



**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

PWGSC/TPSGC Acquisitions
Sherwood Business Centre
161 St. Peters Road/
161, rue St. Peters
2nd Floor, Suite 204/
2ième étage, pièce 204
Charlottetown
Prince Edward Island
C1A 5P7
Bid Fax: (902) 566-7514

**SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

All enquiries are to be submitted in writing to the Contracting Authority, Darlene Reay, either by facsimile or by e-mail at:
darlene.reay@pwgsc.gc.ca.

**Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Public Works and Government Services Canada
Sherwood Business Centre
161 St. Peters Road/
2nd Floor, Suite 204
Charlottetown
Prince Ed
C1A 5P7

Title - Sujet Wood Islands Ferry Terminal Infrast Wood Islands Ferry Terminal Infrastructure Rehabilitation – Phase 3 Wood Islands	
Solicitation No. - N° de l'invitation ED001-211613/A	Amendment No. - N° modif. 008
Client Reference No. - N° de référence du client ED001-211613	Date 2020-12-30
GETS Reference No. - N° de référence de SEAG PW-SPWC-008-4534	
File No. - N° de dossier PWC-0-43027 (008)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Atlantic Standard Time AST on - le 2021-01-07 Heure Normale de l'Atlantique HNA	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Reay, D (PWC)	Buyer Id - Id de l'acheteur pwc008
Telephone No. - N° de téléphone (902) 314-7957 ()	FAX No. - N° de FAX (902) 566-7514
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

The following changes in the tender documents are effective immediately. This addendum will form part of the contract documents.

INVITATION TO TENDER

Delete:

APPENDIX 1 - COMBINED PRICE FORM

And Replace With:

APPENDIX 1 - COMBINED PRICE FORM ----REVISED DECEMBER 30, 2020

This Addendum is raised to provide the following answers to questions provided by bidders.

Q1

Bid Item #2 East Berth Fender Removals

Please provide dimensions and weight of the existing fenders which require removal.

A1

Fender dimensions can be scaled from drawings, all dimensions are approximate. Fender weight is not known.

Q2

Bid Item #9 Outer East Dolphin Removals

Please provide dimensions and weight of existing gangway to be removed.

A2

Gangway dimensions can be scaled from drawings, all dimensions are approximate. Gangway weight is not known.

Q3

Outer East Dolphin - Guard Rail: Please provide extent of reinstatement versus replacement.

A3

There are two existing guardrails on the Outer East Dolphin and both need to be removed and reinstated with new anchors.

Q4

East Berth - East Wall: Please provide welding details for channel to plate welds.

A4

Detail 3 on drawing 5 shows the required weld details for the connection. The channel is not required to be welded to the plate.

Q5

East Berth - East Wall Detail C/4/5 Concrete Repair at Fenders #3,4, and 6: Please confirm the horizontal spacing of the embedment dowels. Is the note intended to indicate 600mm spacing each way? (Vertical spacing shown)

A5

The horizontal spacing will be 600mm. The vertical spacing will be equally spaces as shown.

Q6

Underwater Concreting specifications are not referenced in the bid items. Please identify/confirm.

A6

Bid items requiring concrete are identified. When placing concrete underwater, follow Underwater Concreting specifications referenced in Section 03 37 26.

Q7

Water Box: Please provide water pipe diameter and material.

A7

The water pipe is 50mm diameter.

Q8

Center Dolphin: a ladder stand is not identified as part of the repair scope. Please advise.

A8

Include ladder standoffs in the Center Dolphin repair scope.

Q9

Please confirm a welded cap plate is required on the life ring hook at the equipment stand.

A9

Yes. A welded cap plate is required on the life ring hook.

Q10

Please confirm the bid sheet ladder stand off quantity is correct (one listed on the bid form).

A10

Revised the bid sheet quantity from 1 to 3.

See attached APPENDIX 1 - COMBINED PRICE FORM ----REVISED DECEMBER 30, 2020.

Q11

Please identify times/schedules when we are not permitted to work at each repair location.

A11

The Contractor is not permitted to interfere with ferry services or ferry crossings and must schedule the work accordingly.

Q12

At this time we are seeking clarifications/information on the existing soil conditions at the project site. Are you able to provide borehole logs, or any other information regarding the existing soil conditions at the site?

A12

See attached Borehole Logs

APPENDIX 1 - COMBINED PRICE FORM ----- REVISED DECEMBER 30, 2020

- 1) The prices per unit will govern in establishing the Total Extended Amount. Any arithmetical errors in this Appendix will be corrected by Canada.
- 2) Canada may reject the bid if any of the prices submitted do not reasonably reflect the cost of performing the part of the work to which that price applies.

LUMP SUM

The Lump Sum Amount designates Work to which a Lump Sum Arrangement applies.

- (a) Work included in the Lump Sum Amount represents all work not included in the unit price table.

LUMP SUM AMOUNT (LSA) Excluding applicable tax(es)	Not applicable
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UNIT PRICE TABLE

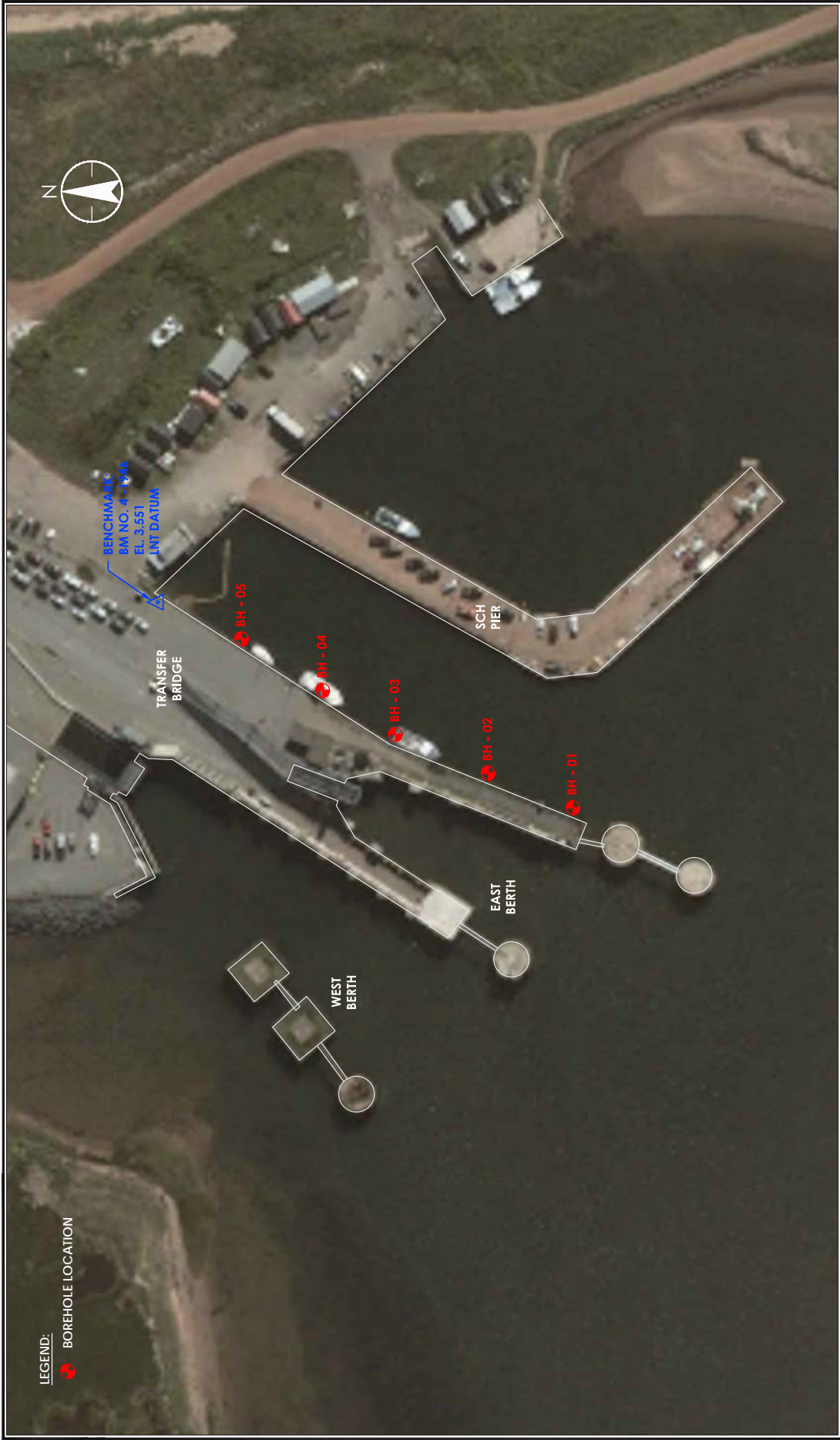
The Unit Price Table designates Work to which a Unit Price Arrangement applies.

- (a) Work included in each item is as described in the referenced specification section.
- (b) The Price per Unit shall not include any amounts for Work that is not included in that unit price Item.

Item	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity (EQ)	Price per Unit applicable tax(es) extra (PU)	Extended amount (EQ x PU) applicable tax(es) extra
-----	-----	-----	-----	-----	-----	-----
1	01 29 00	Mobilization/ Demobilization	LS	1		
2	02 41 00	East Berth Fender Removals	LS	1		
3	32 98 00.	East Berth Fender Reinstatement	LS	1		
4	03 30 00 31 05 17 31 23 10 32 11 23 32 12 16 35 59 29	Remove & Replace 35 tonne Bollard and Foundation (East)	LS	1		
5	02 41 00	Center Dolphin Fender Removals	LS	1		
6	32 98 00	Center Dolphin Fender Reinstatement	LS	1		
7	02 41 00	Inner East Dolphin Fender Removals	LS	1		
8	32 98 00	Inner East Dolphin Fender Reinstatement	LS	1		
9	02 41 00	Outer East Dolphin Removals	LS	1		
10	32 98 00	Outer East Dolphin Fender Reinstatement	LS	1		
11	32 98 00	Reinstatement of Navigation light and Aluminum Gangway	LS	1		
12	05 50 00	New Guard Rail - Outer East Dolphin	LS	1		
13	35 59 29	Install new 35.0 tonne mooring Bollard (supplied by owner)	LS	1		

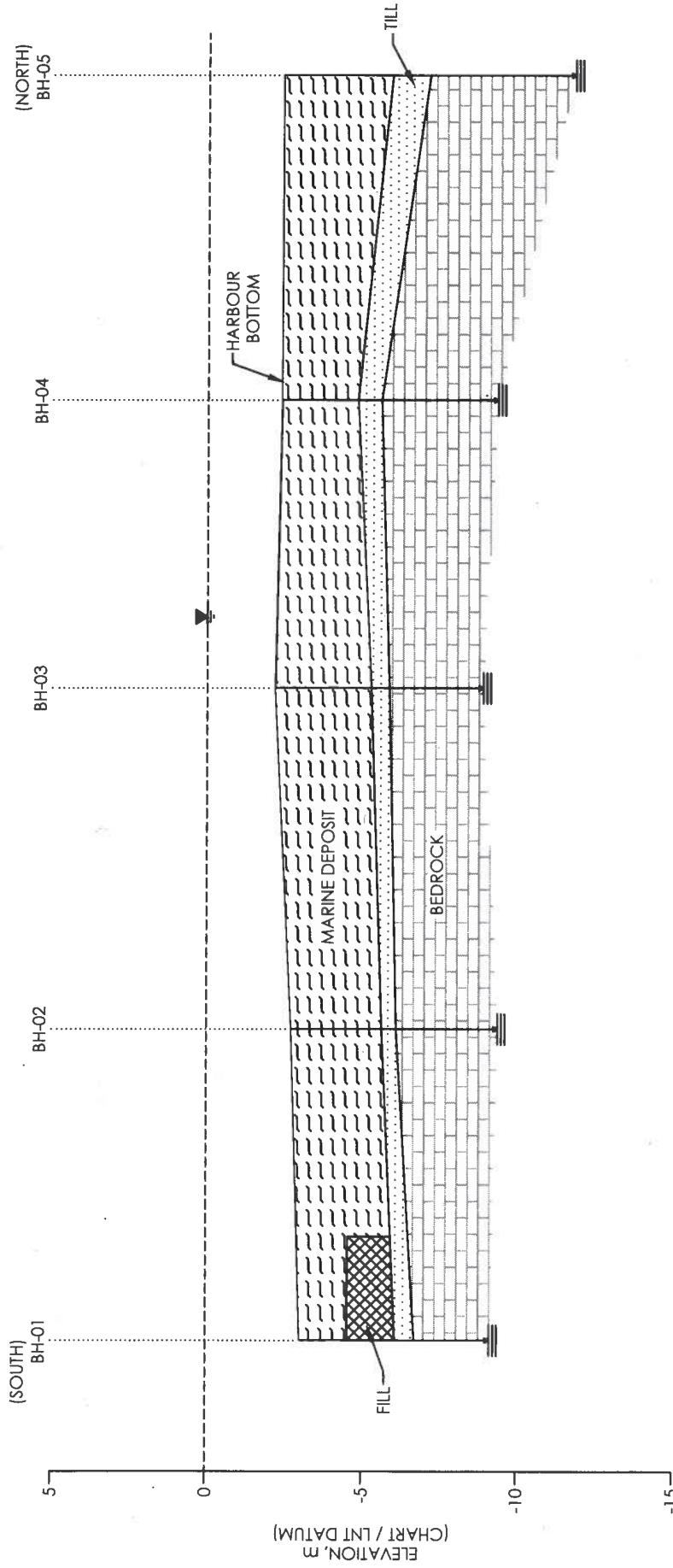
Item	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity (EQ)	Price per Unit applicable taxe(s) extra (PU)	Extended amount (EQ x PU) applicable taxe(s) extra
----	-----	-----	-----	-----	-----	-----
14	33 05 13	Removal and Replacement of existing water box	LS	1		
15	03 30 00	West Berth - Concrete Cope wall Repair	m2	20		
16	03 30 00 05 50 00	East Berth Steel Sheet Pile Repair	m3	155		
17	05 50 00	New Fender Brackets - East Berth	ea	8		
18	03 30 00	End Buttress Concrete Repairs	m3	2		
19	05 50 00	New Ladder & holdfasts East Berth	Ea	1		
20	05 50 00	New Fender Brackets - Center Dolphin	Ea	14		
21	05 50 00	New Fender Brackets - Inner East Dolphin	Ea	8		
22	03 30 00	Concrete Cope wall Repairs - Inner East Dolphin	m2	7		
23	31 05 17 32 11 23	Granular fill - Outer East Dolphin	tonne	180		
24	03 30 00	Outer East Dolphin -Concrete Deck and Wheel guard (500 mm thk, 250 x 250-wheel guard)	m2	77		
25	05 50 00	New Fender Brackets - Outer East Dolphin	Ea	13		
26	05 50 00	Reinstate ladder Outer East Dolphin	Ea	1		
27	05 50 00	New Ladder Stand-offs	Ea	3		
28	05 50 00	New Navigation light/ equipment stand	Ea	1		
TOTAL EXTENDED AMOUNT (TEA) Excluding applicable taxe(s)						

TOTAL BID AMOUNT (LSA +TEA) Excluding applicable taxe(s)	
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Reference: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC CONSULTING LTD. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.	BOREHOLE LOCATION PLAN		Job No.: 121618154	Dwg. No.: 1
	WHARF RECONSTRUCTION, WOOD ISLAND FERRY TERMINAL QUEENS COUNTY, PEI		Scale: 1:1000	
			Date: 11-DEC-2014	
			Dwn. By: MO	
			App'd By: GZ	
Client:		PUBLIC WORKS AND GOVERNMENT SERVICES CANADA		
				





SCALE 1:500 (HORIZONTAL)
1:200 (VERTICAL)

NOTES:

- THE BOREHOLES WERE DRILLED AT THE SITE DURING THE PERIOD OF DECEMBER 2 TO 5, 2014 WITH AN AUGER DRILL RIG MOUNTED ON A FLOATING BARGE PLATFORM.
- HARBOUR BOTTOM ELEVATIONS ARE REFERENCE TO LOW NORMAL TIDE (LNT) DATUM BASED ON THE BENCHMARK PROVIDED
- THE HORIZONTAL EXTENT OF THE FILL ENCOUNTERED AT BH-01 IS NOT KNOWN
- SANDSTONE BEDROCK WAS PROVEN BY ROTARY CORE DRILLING AT EACH BOREHOLE.

≡≡≡ DENOTES END OF BOREHOLE

THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC CONSULTING LTD. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

BOREHOLE STRATIGRAPHY
WHARF RECONSTRUCTION, WOOD ISLANDS FERRY TERMINAL
QUEENS COUNTY, PE

Job No.: 121618154
Scale: AS SHOWN
Date: 10-DEC-2014
Dwn. By: MO
App'd By: GZ



Client: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Client:

**Stantec****BOREHOLE RECORD****BH-01**CLIENT **PUBLIC WORKS AND GOVERNMENT SERVICES CANADA**PROJECT No. **3655**LOCATION **Proposed Wharf Reconstruction, Wood Islands, Queens County, PEI**BH SIZE **100 mm**DATES: BORING **2014/12/05 2014/12/05** WATER LEVEL **Tidal**DATUM **LNT**

DEPTH(m)	ELEVATION(m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				OTHER TESTS	UNDRAINED SHEAR STRENGTH - kPa											
					TYPE	NUMBER	RECOVERY	N-VALUE OR-RQD %		20	40	60	80	WATER CONTENT & ATTERBERG LIMITS							
										DYNAMIC PENETRATION TEST, BLOWS/0.3m ★ STANDARD PENETRATION TEST, BLOWS/0.3m ●											
										10	20	30	40	50	60	70	80	90	W_p W W_L		
0	-3.03						mm														
1		Very soft black to dark grey silty clay, some sand, trace organics: MARINE DEPOSIT			SS	1	300	1	S/A												
					SS	2	450	0													
	-4.55				SS	3	150	1													
2		Loose reddish brown silty sand, some gravel, trace wood, occasional sandstone boulders (up to 600 mm): FILL			NQ	4	700	-													
3	-6.07																				
		Very stiff to hard reddish brown sandy silty clay, trace gravel: TILL			NQ	5	550	-													
4	-6.84																				
5		Very weak to medium strong, reddish brown, fine to medium grained sandstone: BEDROCK; upper 600 mm (+/-) very stiff to hard mudstone; extremely close to moderately close joint spacing			NQ	6	95%	RQD 30													
6	-9.13																				
		End of Borehole																			
7																					
8																					
9																					
10																					

App'd Dec 23 2014 10:51:27



BOREHOLE RECORD

BH-02

 CLIENT **PUBLIC WORKS AND GOVERNMENT SERVICES CANADA**

 PROJECT No. **3655**

 LOCATION **Proposed Wharf Reconstruction, Wood Islands, Queens County, PEI**

 BH SIZE **100 mm**

 DATES: BORING **2014/12/05 2014/12/05** WATER LEVEL **Tidal**

 DATUM **LNT**

DEPTH(m)	ELEVATION(m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				OTHER TESTS	UNDRAINED SHEAR STRENGTH - kPa									
					TYPE	NUMBER	RECOVERY	N-VALUE OR-RQD %		20	40	60	80	100	120	140	160	180	200
0	-2.73	Very soft black to dark grey silty clay, some sand, trace organics: MARINE DEPOSIT						mm											
1																			
2					SS	1	500	0											
3					SS	2	450	0											
3	-5.63	Very stiff to hard reddish brown sandy silty clay, trace gravel: TILL			SS	3	500	15											
4	-6.23				SS	4	250	17	S/A										
4		Very weak to weak, reddish brown, fine to medium grained sandstone: BEDROCK; upper 900 mm very stiff to hard mudstone; extremely close to moderately close joint spacing			NQ	5	87%	RQD 37											
5																			
6					NQ	6	96%	RQD 80											
7	-9.38	End of Borehole																	
8																			
9																			
10																			

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BOREHOLE RECORD

BH-03

 CLIENT **PUBLIC WORKS AND GOVERNMENT SERVICES CANADA**

 PROJECT No. **3655**

 LOCATION **Proposed Wharf Reconstruction, Wood Islands, Queens County, PEI**

 BH SIZE **100 mm**

 DATES: BORING **2014/12/05 2014/12/05** WATER LEVEL **Tidal**

 DATUM **LNT**

DEPTH(m)	ELEVATION(m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				OTHER TESTS	UNDRAINED SHEAR STRENGTH - kPa									
					TYPE	NUMBER	RECOVERY	N-VALUE OR-RQD %		20	40	60	80	100	120	140	160	180	200
0	-2.20	Very soft black to dark grey silty clay, some sand, trace organics: MARINE DEPOSIT			SS	1	0	0											
1					SS	2	0	0											
2					SS	3	250	0											
3	-5.25				SS	4	225	0											
4	-5.86	Very stiff to hard reddish brown sandy silty clay, trace gravel: TILL			SS	5	600	11											
5					SS	6	300	48	Sieve										
6		Very weak to weak, reddish brown, fine to medium grained sandstone: BEDROCK; occasional weakly cemented layers and layers of very stiff to hard mudstone; extremely close to close joint spacing			NQ	7	97%	RQD 0											
7	-8.91				NQ	8	100%	RQD 50											
8		End of Borehole																	
9																			
10																			

App'd

Dec 23 2014 10:51:29

**Stantec****BOREHOLE RECORD****BH-04**CLIENT **PUBLIC WORKS AND GOVERNMENT SERVICES CANADA**PROJECT No. **3655**LOCATION **Proposed Wharf Reconstruction, Wood Islands, Queens County, PEI**BH SIZE **100 mm**DATES: BORING **2014/12/05 2014/12/05** WATER LEVEL **Tidal**DATUM **LNT**

DEPTH(m)	ELEVATION(m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				OTHER TESTS	UNDRAINED SHEAR STRENGTH - kPa												
					TYPE	NUMBER	RECOVERY	N-VALUE OR-RQD %		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								
					mm									10 20 30 40 50 60 70 80 90								
0	-2.39	Loose to very loose greyish brown to dark grey sand, trace to some silt, trace gravel, organics, shell fragments: MARINE DEPOSIT			SS	1	500	7	Sieve	●	○											
1					SS	2	450	1		●												
2	-4.19				SS	3	525	0	S/A	●		○										
	-4.83	Very soft black to dark grey silty clay, some sand, trace organics: MARINE DEPOSIT			SS	4	450	0		●												
3	-5.59	Very stiff to hard reddish brown sandy silty clay, trace gravel: TILL			SS	5	300	21			●	●										
4		Very weak to weak, reddish brown, fine to medium grained sandstone: BEDROCK; upper 750 mm very stiff to hard mudstone; extremely close to close joint spacing; occasional very stiff to hard mudstone layers			NQ	6	875	-														
5					NQ	7	100%	RQD 40														
6					NQ	8	100%	RQD 40														
7	-9.38	End of Borehole																				
8																						
9																						
10																						

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BOREHOLE RECORD

BH-05

 CLIENT **PUBLIC WORKS AND GOVERNMENT SERVICES CANADA**

 PROJECT No. **3655**

 LOCATION **Proposed Wharf Reconstruction, Wood Islands, Queens County, PEI**

 BH SIZE **100 mm**

 DATES: BORING **2014/12/02 2014/12/05** WATER LEVEL **Tidal**

 DATUM **LNT**

DEPTH(m)	ELEVATION(m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				OTHER TESTS	UNDRAINED SHEAR STRENGTH - kPa									
					TYPE	NUMBER	RECOVERY	N-VALUE OR-RQD %		20	40	60	80	WATER CONTENT & ATTERBERG LIMITS					
							mm												
0	-2.42	Very soft black to dark grey silty clay, some sand, trace organics: MARINE DEPOSIT																	
1																			
2					SS	1	500	1											
3					SS	2	500	1											
4	-5.92	Very stiff to hard reddish brown sandy silty clay, trace gravel: TILL			SS	3	450	0											
5					SS	4	375	25	Sieve										
6	-7.14	Very weak to weak, reddish brown, fine to medium grained sandstone: BEDROCK; occasional layers of very stiff to hard mudstone; extremely close to close joint spacing			SS	5	200	25											
7					NQ	6	500	-											
8					NQ	7	100%	RQD 30											
9					NQ	8	100%	RQD 35											
10	-11.87	End of Borehole																	
App'd _____ Dec 23 2014 10:51:32																			