Project: Marine Geotechnical Investigation
Location: Port Saunders, NL
Client: Public Works Government Services Canada
Drilling Supervisor: Elizabeth Melindy

Log of Geotech Borehole: BH3

Project No: 554
Date: June 14-15, 2009

Depth Below Datum (m)	Symbol	Geologic Description	Elevation (m)	Sample Type	Sample No.	'N' Value	Recovery (%)	RQD (%)
		0 m LNT	0					
-5.13		Harbour Bottom (-5.13 m)	-5.13					
		SPT: 50 for 0.05 m (Refusal) Fines and rock in tip of split-spoon. SS1: 'N'-Value = 50; Rec = 100%						
-6		SPT: 50 for 0 m (Refusal) Rock in tip of split-spoon. SS2: 'N'-Value = 50; Rec = 0%						
-7.62		SPT: 16 / 50 for 0.13 m (Refusal)						
-7.9		CFEM: Sand and Gravel, some Silt, trace Clay		SS	3	50	64	

Standard Penetration Test 'N' Value per 300 mm: 20 40 60 80

Fraclow Consultants Inc.
154 Major's Path
St. John's, NL A1A 5A1
Phone: (709) 739-7270
Fax: (709) 753-5101

Drilling Method: NW casing/ NQ coring
Driller: Formation Drilling Ltd.
Datum: LNT
Sheet: 1 of 2

Project: Marine Geotechnical Investigation
Location: Port Saunders, NL
Client: Public Works Government Services Canada
Drilling Supervisor: Elizabeth Melindy

Log of Geotech Borehole: BH5

Project No: 554
Date: June 14, 2009

Depth Below Datum (m)	Symbol	Geologic Description	Elevation (m)	Sample Type	Sample No.	'N' Value	Recovery (%)	RQD (%)
		0 m LNT	0					
-4.77		Harbour Bottom (-4.77 m)	-4.77					
-5.4		SPT: 4 / 8 / 9 / 10 CFEM: Silty Sand, trace Clay, trace Gravel		SS	1	17	50	
-6.34		SPT: 50 for 0 m (Refusal) No sample recovery SS2: 'N'-Value = 50; Rec = 0%						
-8.05								

Standard Penetration Test 'N' Value per 300 mm: 20 40 60 80

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154 Major's Path
St. John's, NL A1A 5A1
Phone: (709) 739-7270
Fax: (709) 753-5101

Drilling Method: NW casing/ NQ coring
Driller: Formation Drilling Ltd.
Datum: LNT
Sheet: 1 of 2

Project: Marine Geotechnical Investigation
Location: Port Saunders, NL
Client: Public Works Government Services Canada
Drilling Supervisor: Kevin Gale/ Elizabeth Melindy

Log of Geotech Borehole: BH6

Project No: 554
Date: June 13, 2009

Depth Below Datum (m)	Symbol	Geologic Description	Elevation (m)	Sample Type	Sample No.	'N' Value	Recovery (%)	RQD (%)
		0 m LNT	0					
-2.81		Harbour Bottom (-2.81 m)						
-3.09		Split-spoon sank 0.28 m into soft sediment						
-3.7		SPT: 31 / 28 / 4 / 2 CFEM: Gravelly Sand, some Silt, trace Clay		SS	1	32	38	
-4.48								
-5.09		SPT: 3 / 4 / 5 / 4 CFEM: Silty Sand, some Clay, trace Gravel		SS	2	9	75	
-5.92								
-6.53		SPT: 3 / 16 / 31 / 18 CFEM: Gravelly Sand, some Silt, trace Clay		SS	3	47	50	
-7.43								
-8.04		SPT: 5 / 11 / 25 / 34 CFEM: Gravelly Sand, some Silt, trace Clay		SS	4	35	29	

Standard Penetration Test 'N' Value per 300 mm: 20 40 60 80

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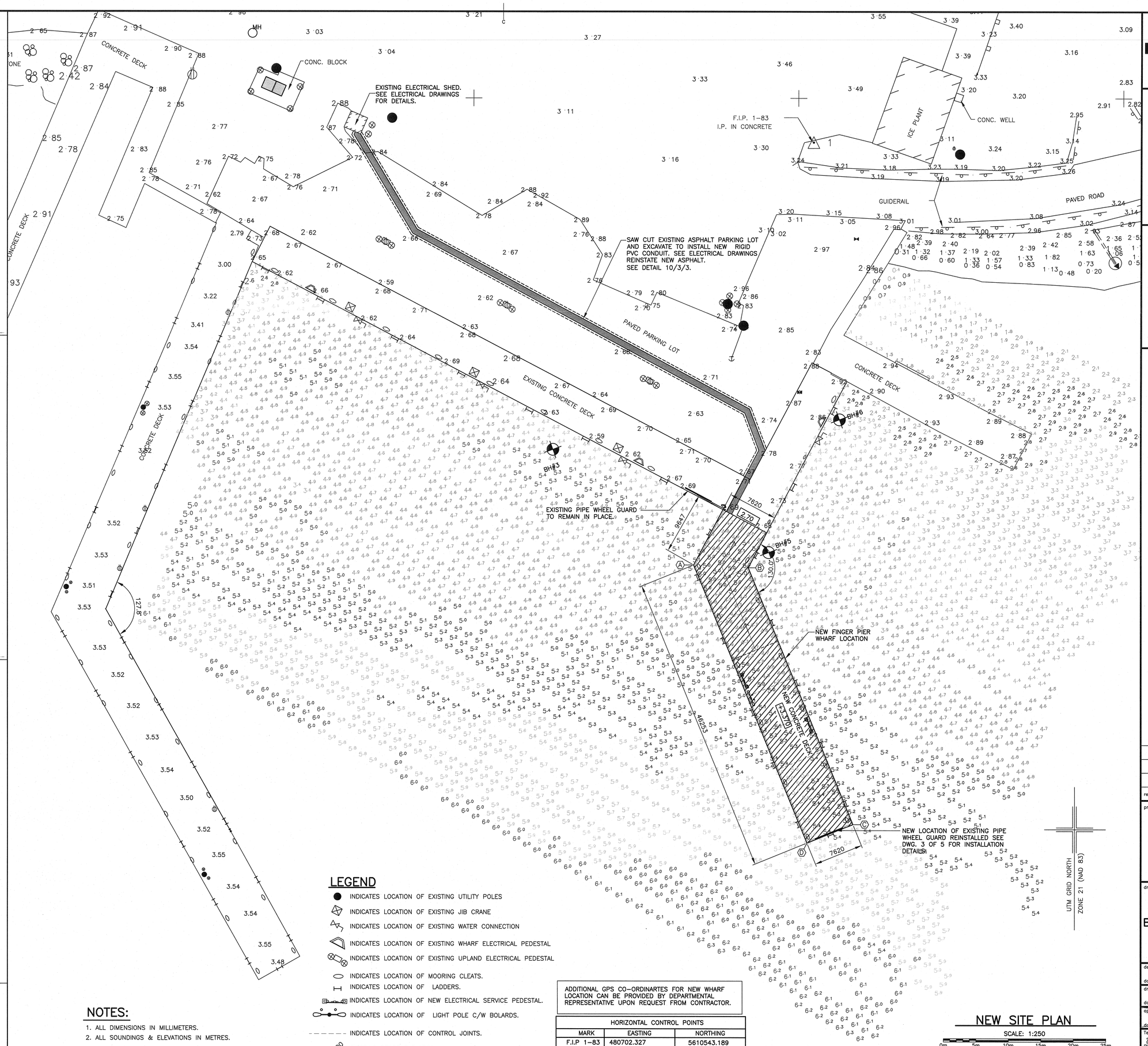
Drilling Method: NW casing/ NQ coring
Driller: Formation Drilling Ltd.
Datum: LNT
Sheet: 1 of 2



LEGEND

- INDICATES LOCATION OF EXISTING UTILITY POLES
- INDICATES LOCATION OF EXISTING JIB CRANE
- INDICATES LOCATION OF EXISTING WATER CONNECTION
- INDICATES LOCATION OF EXISTING WHARF ELECTRICAL PEDESTAL
- INDICATES LOCATION OF EXISTING UPLAND ELECTRICAL PEDESTAL
- INDICATES LOCATION OF MOORING CLEATS.
- INDICATES LOCATION OF LADDERS.
- INDICATES LOCATION OF NEW ELECTRICAL SERVICE PEDESTAL.
- INDICATES LOCATION OF LIGHT POLE C/W BOLARDS.
- INDICATES LOCATION OF CONTROL JOINTS.
- EXISTING GRADE ELEVATION
- 0.00 FINISHED GRADE ELEVATION
- INDICATES AREA OF NEW WHARF.

NOTES:

1. ALL DIMENSIONS IN MILLIMETERS.
2. ALL SOUNDINGS & ELEVATIONS IN METRES.
3. CONTRACTOR TO VERIFY ALL DIMENSION AND ALL EXISTING SITE CONDITIONS IN THE FIELD. ALL ERRORS AND UNSATISFACTORY CONDITIONS IF NOTICED TO BE REPORTED TO THE DEPARTMENTAL REPRESENTATIVE.

ADDITIONAL GPS CO-ORDINARTES FOR NEW WHARF LOCATION CAN BE PROVIDED BY DEPARTMENTAL REPRESENTATIVE UPON REQUEST FROM CONTRACTOR.

HORIZONTAL CONTROL POINTS

MARK	EASTING	NORTHING
F.I.P 1-83	480702.327	5610543.189
(A)	480683.932	5610478.080
(B)	480691.330	5610477.664
(C)	480708.440	5610438.120
(D)	480701.383	5610435.245

NEW SITE PLAN

SCALE: 1:250

0m 5m 10m 15m 20m 25m

PWGSC B1 (2004)

E-DRM/GDD-E: 515980

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

PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
This Permit Allows
ANDERSON ENGINEERING CONSULTANTS LTD.
To practice Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by APEGN. 50092
which is valid for the year 2015

REGISTERED PROFESSIONAL ENGINEER
W. J. ANDERSON
PROVINCE OF NEWFOUNDLAND

revisions		date
A	ISSUED FOR TENDER	10/06/15

project / projet
WHARF CONSTRUCTION
PORT SAUNDERS, NL

drawing / dessin
NEW SITE PLAN AND BORE HOLE INFORMATION

designed / conçu: W.J.A
date: JUNE 2015
drawn / dessiné: R.S.H
date: JUNE 2015
approved / approuvé
date
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC

project number / no. du projet: R.076186.001

drawing no. / no. du dessin: 2 OF 5