

**SURVEY NOTES**

**MAY 31, 2012 SURVEY NOTES**

SURVEY PARTY CHIEF DARRYL GREEN  
 SURVEY DATE(S) MAY 31, 2012  
 LAND SURVEY POSITION BY TRIMBLE 5700  
 RAW DATA FILE(S): NWL152.ZIP  
 CAD DRAWING FILE(S): NWL152T.DWG

TIDAL REDUCTION SCHEME  
 REFERENCED TO CHS 1-1983 IN WESTHEAD, ELEV. 4.324m ABOVE CHART DATUM.  
 OFFICE PROCESSOR DAVID MELANSON  
 DATE OF PROCESSING JUNE 18, 2012

**MARCH 30, 2005 SURVEY NOTES**

SURVEY PARTY CHIEF DAVID MELANSON  
 SURVEY DATE(S) MARCH 30, 2005  
 SURVEY VESSEL: ALUMINUM BOAT  
 LAND SURVEY POSITION BY WILD T1600  
 RAW DATA FILE(S): NEWELLTON (HYPACK)  
 CAD DRAWING FILE(S): NWL091A1.DWG

TIDAL REDUCTION SCHEME  
 REFERENCED TO CHS 1-1983 IN WESTHEAD, ELEV. 4.324m ABOVE LNT  
 OFFICE PROCESSOR MICHEL GOGUEN  
 DATE OF PROCESSING APRIL 08, 2005

CONTROL POINTS:

PL. NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
1	287011.47	4818636.27	4.13	PWSC CONTROL
2	286878.32	4818715.08	4.02	PWSC CONTROL
DITCH	286897.384	4818449.803	3.499	PWSC CONTROL
1-1983	N/A	N/A	4.324	CHS MONUMENT
TBM#1	286927.6	4818636.5	4.33	PWSC CONTROL (TOP OF CURB)
PROPERTY	286894.17	4818601.62	4.47	PWSC CONTROL

SPECIAL NOTE: SOUNDING DATA IS FROM 2005 SURVEY AND TOPOGRAPHIC INFORMATION OUTSIDE THE SURVEY REQUEST AREA FROM OLDER SURVEYS PRIOR TO 2005. USE THIS INFORMATION WITH CAUTION.

**LEGEND**

- ⊙ BM BENCHMARK
- ⊕ TP1 TEST PIT LOCATION
- ⊕ BH10 BORE HOLE LOCATION
- △ CONTROL POINT
- PP UTILITY POLE
- ⊙ SM CAPPED SURVEY MARKER
- ⊕ A COORDINATE POINT
- 3.6 SOUNDING (METRES BELOW CHART DATUM)
- \*4.34 ELEVATION (METRES ABOVE CHART DATUM)
- 10.9/2.2 ELEVATION/SOUNDING (T.WALSH SEPT. 2013)
- [Hatched Box] DREDGE AREA  
AREA TO BE DREDGED TO 2.7m BELOW CHART DATUM
- [Hatched Box] CRIBWORK EXCAVATION  
AREA TO BE EXCAVATED TO 3.0m BELOW CHART DATUM

**GENERAL NOTES**

- THE WORK UNDER THIS CONTRACT CONSISTS OF, BUT IS NOT LIMITED TO, THE FOLLOWING:
  - DREDGING OF BASIN AREA AS INDICATED ON PLAN TO 2.7 METRES BELOW CHART DATUM.
  - EXCAVATION FOR CRIBWORK MATRESS TO 3.0 METRES BELOW CHART DATUM, INCLUDING THE SALVAGE OF REMNANTS OF THE EXISTING BREAKWATER MATERIALS, ARMOUR STONE, FILTER STONE AND CORE STONE, FOR REUSE WITHIN THE LIMITS OF THE NEW WORK.
  - CONSTRUCTION OF NEW TIMBER CRIBWORK MARGINAL WHARF COMPLETE WITH REINFORCED CONCRETE DECK.
  - CONSTRUCTION OF NEW SERVICE AREA, INCLUDING PLACEMENT OF APPROVED SALVAGED MATERIALS, NEW GRANULAR BASE, ROCK FILL, CORE STONE AND CURB STONES AS INDICATED ON PLANS.
  - PLACEMENT OF NEW FILTER STONE SLOPE PROTECTION AND SCOUR PROTECTION.
- THE FIELD SURVEY WAS CARRIED OUT ON VARIOUS DATES, BY PWSC CREW. DATA VALID ONLY ON DATES TAKEN. DUE TO THE EXTENDED PERIOD OF TIME OVER WHICH THIS DATA WAS OBTAINED, EXTREME CAUTION MUST BE EXERCISED REGARDING ITS USE.
- ELEVATIONS REFER TO TEMPORARY BENCHMARK AT TOP OF CONCRETE GUARD OF PUBLIC WHARF, WHERE INDICATED ON SITE PLAN, WHICH HAS AN ELEVATION OF 4.33 METRES ABOVE CHART DATUM.
- CHART DATUM IS, BY INTERNATIONAL AGREEMENT, A PLANE BELOW WHICH THE TIDE WILL SELDOM FALL. THE CANADIAN HYDROGRAPHIC SERVICE HAS ADOPTED THE PLANE OF LOWEST NORMAL TIDE (L.N.T.) AS CHART DATUM. AS THE RISE, FALL AND RANGE OF TIDES VARIES DAILY, THE CANADIAN TIDE AND CURRENT TABLES, AS ISSUED BY THE CANADIAN HYDROGRAPHIC SERVICE, SHOULD BE CONSULTED FOR TIDAL PREDICTIONS AND OTHER TIDAL INFORMATION RELATING TO WORK.
- GRID NORTH REFERS TO UNIVERSAL TRANSVERSE MERCATOR PROJECTION COORDINATES, NORTH AMERICAN DATUM 1983, ZONE 20.
- USING A VOLVO 460 EXCAVATOR EQUIPPED WITH A 1.5 YARD BUCKET, A GRADE OF 3.0 METRES BELOW CHART DATUM WAS ACHIEVED AT TEST PIT LOCATIONS TP1, TP2 AND TP3.
- BOREHOLE LOGS FOR BOREHOLES BH9A AND BH10 ARE ATTACHED AS APPENDIX A IN THE CONTRACT SPECIFICATIONS.

**TEST PIT COORDINATES**

MARK	EASTING	NORTHING
TP1	E 286 905.010	N 4 816 699.091
TP2	E 286 903.885	N 4 816 679.341
TP3	E 286 902.760	N 4 816 659.591
TP4	E 286 911.000	N 4 816 698.750
TP5	E 286 908.750	N 4 816 659.250

**BORE HOLE COORDINATES**

MARK	EASTING	NORTHING
BH9A	E 286 904.894	N 4 816 661.919
BH10	E 286 924.227	N 4 816 638.248

**DREDGE COORDINATES**

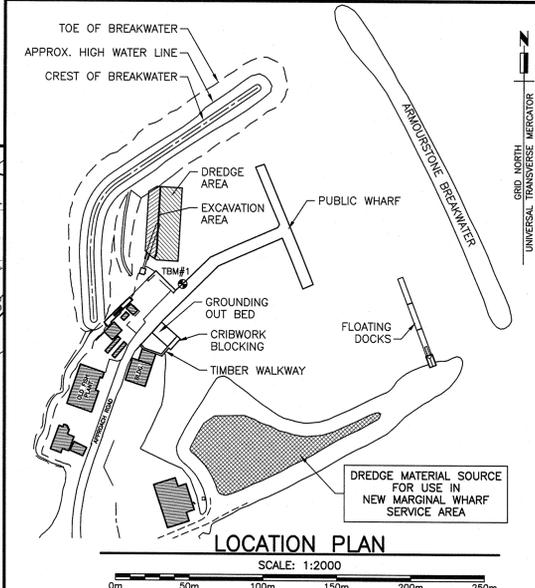
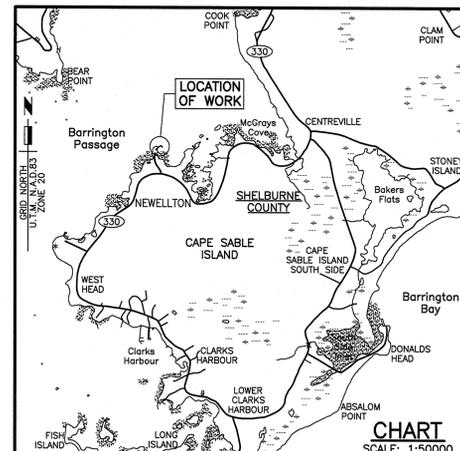
MARK	EASTING	NORTHING
A	E 286 902.230	N 4 816 658.850
B	E 286 904.519	N 4 816 699.035
C	E 286 910.221	N 4 816 702.416
D	E 286 912.217	N 4 816 702.303
E	E 286 927.193	N 4 816 701.450
F	E 286 924.370	N 4 816 651.880
G	E 286 909.993	N 4 816 652.699
H	E 286 908.160	N 4 816 653.845
J	E 286 906.464	N 4 816 654.905

**CONSTRUCTION BASELINE COORDINATES**

MARK	EASTING	NORTHING
A	E 286 900.128	N 4 816 628.763
B	E 286 893.002	N 4 816 635.779
C	E 286 887.767	N 4 816 649.357
D	E 286 890.852	N 4 816 703.520

**SITE PLAN - EXISTING CONDITIONS**

SCALE: 1:250  
 0m 5m 10m 15m 20m 25m



0	ISSUED FOR TENDER	NOV.20 2013
revisions		date
project		project
<b>HARBOUR IMPROVEMENTS NEWELLTON SHELBURNE COUNTY NOVA SCOTIA</b>		
drawing		design
<b>SITE PLAN - EXISTING CONDITIONS AND DREDGE AREA</b>		
designed	T.WALSH	conçu
date	AUGUST 2013	
drawn	S.GRACE	dessiné
date	AUGUST 2013	
approved	<i>[Signature]</i>	approuvé
date		
Tender	<i>[Signature]</i> / 13 JUL 20	no. du projet
PWSC Project Number		
project number	<b>R.064747.001</b>	
drawing no.		no. du dessin
		<b>Sht.1</b>