



| BREAKWATER COORDINATES |               |                 |          |
|------------------------|---------------|-----------------|----------|
| MARK                   | EASTING       |                 | NORTHING |
| A                      | E 391 193.399 | N 4 902 466.466 |          |
| B                      | E 391 199.020 | N 4 902 449.366 |          |
| C                      | E 391 145.695 | N 4 902 389.731 |          |
| D                      | E 391 130.786 | N 4 902 403.062 |          |

#### SURVEY NOTES

SURVEY PARTY CHIEF DARRYL GREEN  
SURVEY VESSEL SCOTIA SURVEYOR  
SURVEY DATE(S) DECEMBER 13 AND 15, 2010  
SOUNDER TYPE: MCS NAVITRONICS SWEEP SYSTEM  
SOUNDER SETTING: INST. VEL. OF SOUND 1474 m/s  
DEPTH GATE USED: N/A FRE. OF TRANS. 200 KHZ  
POSITIONING SYSTEM USED: TRIMBLE RTK 5700  
LAND SURVEY POSITION BY: TRIMBLE RTK 5700  
HYDRAK FILE(S): DSH349A.ZIP  
CAD DRAWING FILE(S): DSH349A.DWG  
TIDAL REDUCTION SCHEME: PWGSC PT. DUBLIN IS REFERENCED TO CHS BM 3-1969, RIVERPORT, ELEV. 3.860m ABOVE CHART DATUM.

OFFICE PROCESSOR COREY RICHARD  
DATE OF PROCESSING JANUARY 4, 2011

MODE OF PLOTTING: AVERAGE DEPTHS  
MATRIX CELL WIDTH X LENGTH: 1.2m x 3.0m

| CONTROL POINTS: |            |             |         |                            |
|-----------------|------------|-------------|---------|----------------------------|
| PL. NAME        | EASTING    | NORTHING    | CD ELEV | DESCRIPTION                |
| DUBLIN          | 391187.572 | 4902463.001 | 3.54m   | PWC CONTROL (NAIL IN DECK) |
| WHARF           | 391138.780 | 4902434.130 | 3.46m   | PWC CONTROL (NAIL IN DECK) |
| ARMOUR          | 391155.070 | 4902589.820 | 4.08m   | PWC CONTROL (DRILL HOLE)   |
| SLIP            | 391134.700 | 4902540.700 | 3.55m   | PWC CONTROL (DRILL HOLE)   |
| BM              | 391166.490 | 4902488.500 | 3.78m   | PWC BM (TOP OF WOOD CURB)  |
| LRIS 16236      | 391197.350 | 4902616.580 | 3.12m   | LRIS CONTROL               |

#### DRAWING REVIEWED BY:

SIGNATURE DATE

NOTE: DASHED LINE WORK WAS OBTAINED FROM HISTORICAL PWGSC REALTY SURVEY PLAN.

#### NOTES:

- WORK UNDER THIS CONTRACT INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:  
-CONSTRUCTION OF A NEW RUBBLEMOUND BREAKWATER INCLUDING THE SUPPLY AND INSTALLATION OF CORESTONE, FILTERSTONE, AND ARMOURSTONE.
- NO CONSTRUCTION EQUIPMENT PERMITTED ON EXISTING WHARF STRUCTURE.
- 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 WITH PREDICTIONS AND OTHER TIDAL INFORMATION RELATING TO WORK.
- THE CONTRACTOR SHALL BE HELD TO HAVE VISITED THE SITE AND TO HAVE BECOME FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO COMMENCING WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THE ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE PLAN BEFORE STARING WORK.
- GRID NORTH REFERS TO UNIVERSAL TRANSVERSE MERCATOR PROJECTION COORDINATES, NORTH AMERICAN DATUM 1983, ZONE 20.
- ALL DIMENSIONS SHOWN ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES. DO NOT SCALE FROM DRAWINGS, FIGURED DIMENSIONS ARE TO BE FOLLOWED.
- ALL SLOPES TO BE EXPRESSED AS RATIO OF RISE OVER RUN.

#### SITE PLAN

SCALE: 1:500



#### SECTION

SCALE: 1:100



|           |                   |           |
|-----------|-------------------|-----------|
| 0         | ISSUED FOR TENDER | NOV. 2015 |
| revisions |                   | date      |

project project

#### BREAKWATER EXTENSION

DUBLIN SHORE  
LUNenburg CO., N.S.

drawing dessin

#### PLAN AND SECTION

|                       |                                 |
|-----------------------|---------------------------------|
| designed T. WALSH     | conçu                           |
| date MAY 2015         |                                 |
| drawn R.L. SMELTZER   | dessiné                         |
| date MAY 2015         |                                 |
| approved [Signature]  | approuvé                        |
| date 2015-11-17       |                                 |
| Tender [Signature]    | Soumission                      |
| PWGSC Project Manager | Administrateur de projets TPSCC |
| project number        | no. du projet                   |
| R.076656.001          |                                 |
| drawing no.           | no. du dessin                   |
| Sht.1 of 1            |                                 |