

NOTES

SURVEY PARTY CHIEF: DARRYL GREEN
SURVEY DATE(S): AUGUST 19 & 20, 2014
SURVEY VESSEL: SCOTIA SURVEYOR

SOUNDER TYPE: ROSS SWEEP SYSTEM
SOUNDER SETTING: INST. VEL. OF SOUND 1512m/s
DEPTH GATE USED: N/A. FREQ. OF TRANS. 180-210 KHZ
POSITIONING SYSTEM USED: TRIMBLE 5700
RAW DATA FILE(S): BAT231.MX.ZIP
CAD DRAWING FILE(S): BAT231.M.DWG

TIDAL REDUCTION SCHEME:
REFERENCED TO C.H.S. BENCHMARK 1-1983, LUNENBURG,
ELEV. +4.572m ABOVE CHART DATUM.

OFFICE PROCESSOR: C. RICHARD
DATE OF PROCESSING: SEPTEMBER 2014

MODE OF PLOTTING: MINIMUM DEPTHS (CHS ROUNDING RULE)
MATRIX CELL WIDTH X LENGTH: 1.2m X 3.0m

PL. NAME	EASTING	NORTHING	CD ELEV (m)	DESCRIPTION
27116	395107.026	4914185.037	N/A	LRIS MONUMENT
PL. RAIL	395899.651	4914327.237	3.87	PWGSC CONTROL
PL. WHARF	395317.217	4914509.671	3.27	PWGSC CONTROL
PL. Lighthouse	396700.969	4912710.281	3.24	PWGSC CONTROL
PL. Hill	396788.079	4912867.023	10.62	PWGSC CONTROL

NOTE: PT. WHARF, PT. LIGHTHOUSE AND PT. HILL ARE REFERENCED TO N.S. SURVEY MONUMENT 27116. THE CONTROL VALUES OF MONUMENT 27116 ARE HISTORICAL VALUES USED BY PWGSC SINCE 1988 (UTM NAD27) AND WERE CONVERTED TO UTM NAD83 VALUES USING DATUMX SOFTWARE IN 1994.

GRID NORTH
UNIVERSAL TRANSVERSE MERCATOR
N.A.D. 83 ZONE 20

E 396 700
N 4 912 850

E 396 750
N 4 912 850

E 396 800
N 4 912 850

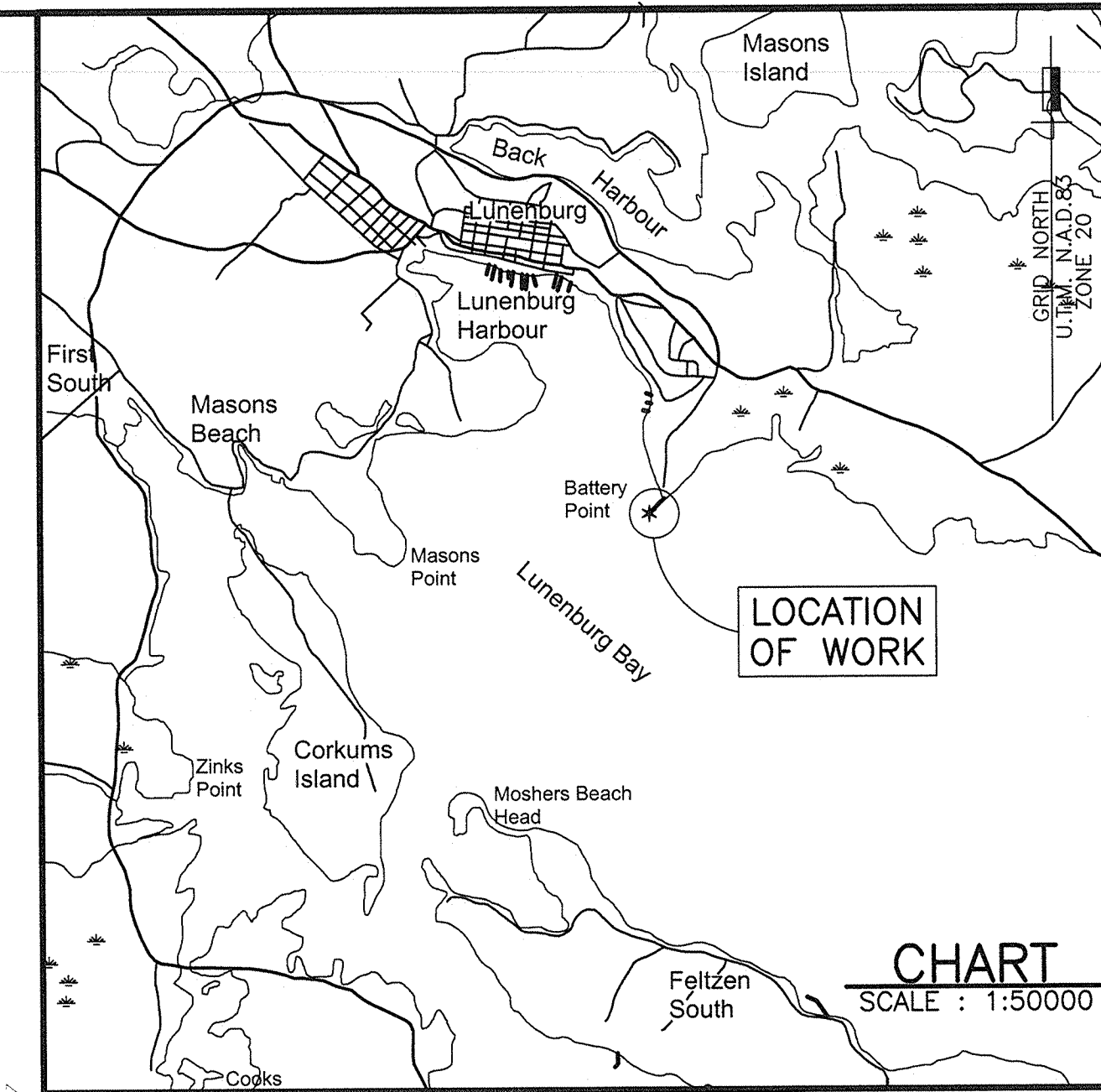


CHART
SCALE : 1:50000

BREAKWATER CREST CENTRELINE COORDINATES		
MARK	EASTING	NORTHING
A	E 396 786.152	N 4 912 822.043
B	E 396 713.230	N 4 912 715.380
C	E 396 712.481	N 4 912 712.472
D	E 396 708.433	N 4 912 706.551
E	E 396 697.909	N 4 912 711.834
F	E 396 704.245	N 4 912 721.102
G	E 396 706.990	N 4 912 722.784
H	E 396 777.546	N 4 912 826.756

LEGEND:

- +4.2 - FINISHED GRADE
- NEW CORESTONE AND GRAVEL
- AREA OF NEW WORK

GENERAL NOTES

- THE WORK UNDER THIS CONTRACT CONSISTS OF, BUT IS NOT LIMITED TO, THE FOLLOWING:
 - REPAIRS TO THE EXISTING BREAKWATER INCLUDING THE REMOVAL, SALVAGE AND REINSTATEMENT OF EXISTING MATERIAL IN CONJUNCTION WITH THE PLACEMENT OF NEW MATERIALS TO RAISE AND WIDEN THE BREAKWATER CREST AND ESTABLISH A GRAVEL ROADWAY OVER THE DETERIORATED CONCRETE DECK.
- THE CONTRACTOR WILL BE REQUIRED TO USE THE SPECIFIED RANGE OF ARMOURSTONE TO ACHIEVE THE REQUIRED NEW BREAKWATER LIMITS. LARGER ARMOUR UNITS TO BE PLACED ON THE OUTSIDE LAYER.
- THE FIELD SURVEYS WERE CARRIED OUT ON AUGUST 19 & 20, 2014 BY PWGSC CREW. DATA VALID ONLY ON DATE TAKEN.
- GRID NORTH REFERS TO UNIVERSAL TRANSVERSE MERCATOR PROJECTION COORDINATES, NORTH AMERICAN DATUM 1983, ZONE 20.
- 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.
- 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 THE RATIO OF RISE OVER RUN.

SITE PLAN OF EXISTING CONDITIONS AND NEW WORK

SCALE : 1:300
0m 5m 10m 15m 20m 25m 30m

0	ISSUED FOR TENDER	SEPT. 2015
revisions		date
project	project	
CONCEPTUAL REPAIRS OPTIONS BATTERY POINT BREAKWATER		
LUNENBURG LUNENBURG COUNTY, NOVA SCOTIA		
drawing	dessin	
SITE PLAN OF EXISTING CONDITIONS AND NEW WORK		
designed	T. SOLEY/ T. WALSH	conçu
date	SEPT. 2015	
drawn	R.L. SMELTZER	dessiné
date	SEPT. 2015	
approved		approuvé
date	2015-11-24	
TPSC Project Manager	Administrateur de projets TPSC	
project number	R.074340.001	no. du projet
drawing no.	Sht. 1 OF 3	no. du dessin