

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): BAT231M.XIP  
 CAD DRAWING FILE(S): BAT231M.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

CONTROL POINTS:

PT. NAME	EASTING	NORTHING	CD ELEV (m)	DESCRIPTION
27116	395107.026	4914185.037	N/A	LRIS MONUMENT
PL. RAIL	395899.651	4914327.237	3.67	PWSC CONTROL
PL. WHARF	395317.217	4914509.671	3.27	PWSC CONTROL
PL. Lighthouse	396700.969	4912710.281	3.24	PWSC CONTROL
PT. Hill	396788.079	4912867.023	10.62	PWSC CONTROL

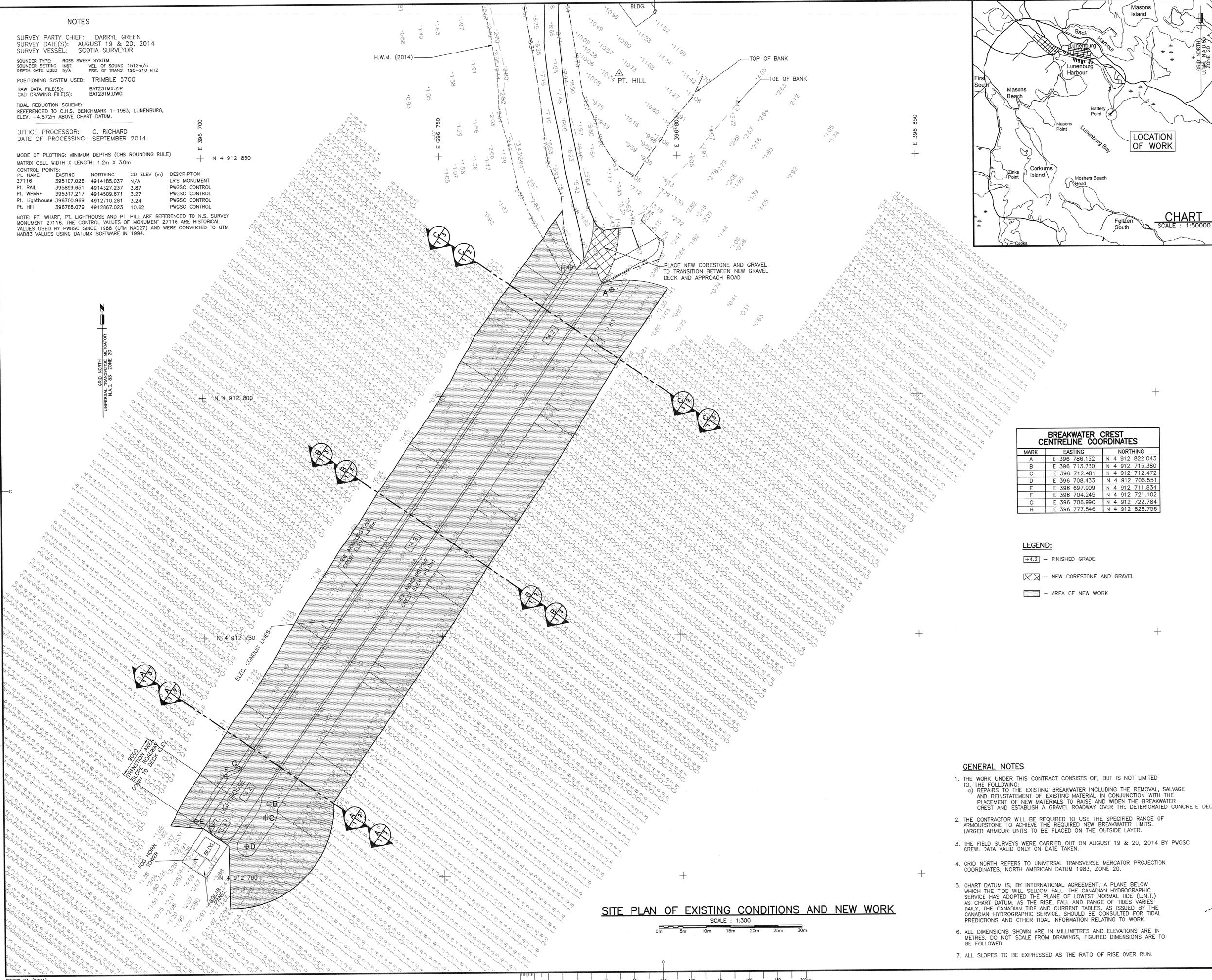
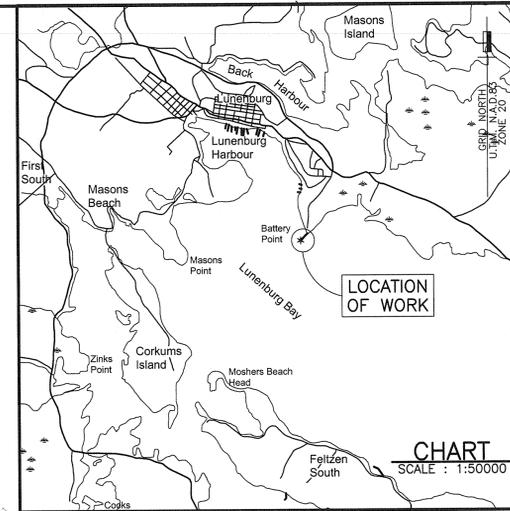
NOTE: PT. WHARF, PT. LIGHTHOUSE AND PT. HILL ARE REFERENCED TO N.S. SURVEY MONUMENT 27116. THE CONTROL VALUES OF MONUMENT 27116 ARE HISTORICAL VALUES USED BY PWSC SINCE 1988 (UTM NAD27) AND WERE CONVERTED TO UTM NAD83 VALUES USING DATUMX SOFTWARE IN 1994.

GRID NORTH UTM ZONE 20  
 UNIVERSAL N.A.D. 83 ZONE 20

E 396 700  
 N 4 912 850

E 396 750

E 396 850



**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  
 [Symbol] - NEW CORESTONE AND GRAVEL  
 [Symbol] - AREA OF NEW WORK

- GENERAL NOTES**
- THE WORK UNDER THIS CONTRACT CONSISTS OF, BUT IS NOT LIMITED TO, THE FOLLOWING:  
 a) 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 PWSC 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



0	ISSUED FOR TENDER	SEPT. 2015
revisions		date
project	CONCEPTUAL REPAIRS OPTIONS BATTERY POINT BREAKWATER	
	LUNENBURG LUNENBURG COUNTY, NOVA SCOTIA	
drawing	SITE PLAN OF EXISTING CONDITIONS AND NEW WORK	
designed	T. SOLEY / T. WALSH	
date	SEPT. 2015	
drawn	R.L. SMELTZER	
date	SEPT. 2015	
approved	[Signature]	
date	2015-09-29	
checked	[Signature]	
date	2015-09-29	
project number	R.074340.001	
drawing no.	Sht. 1 OF 3	