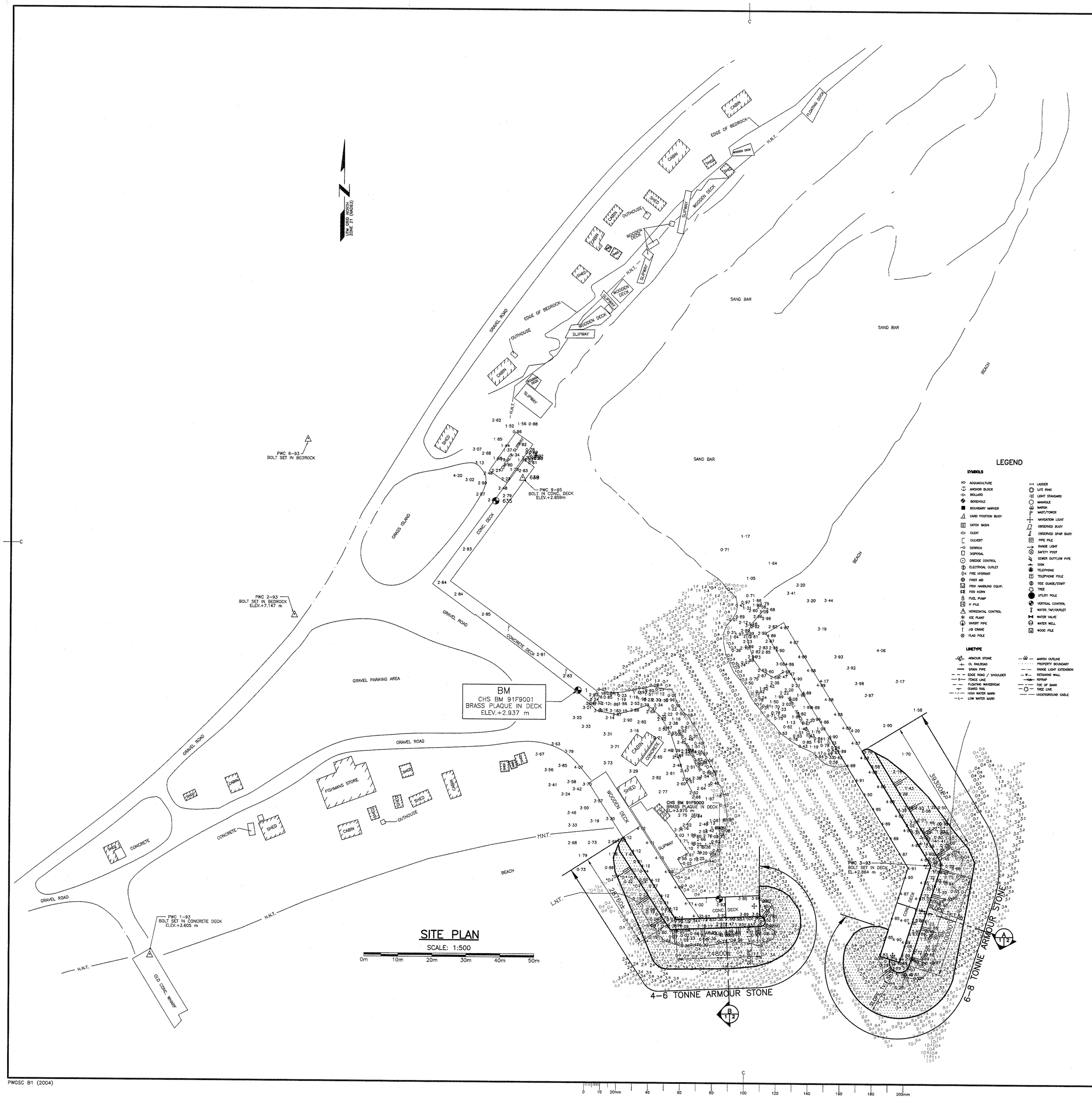

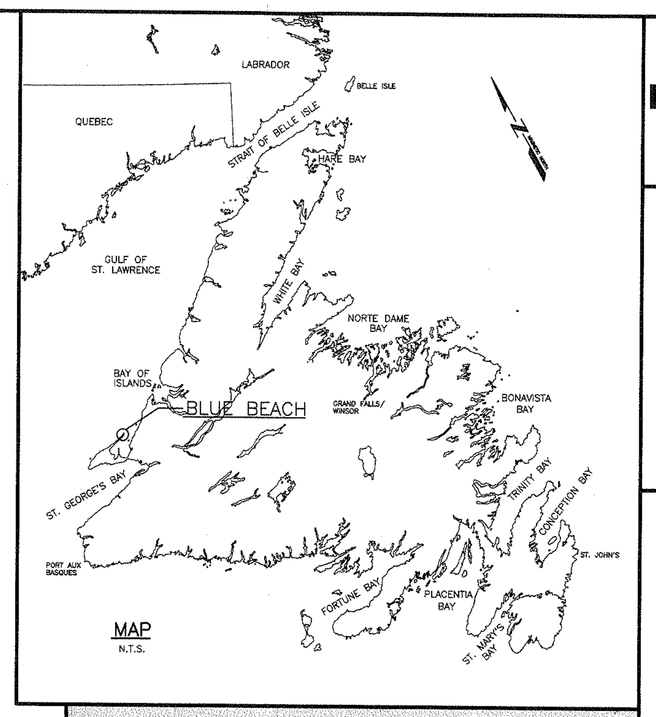

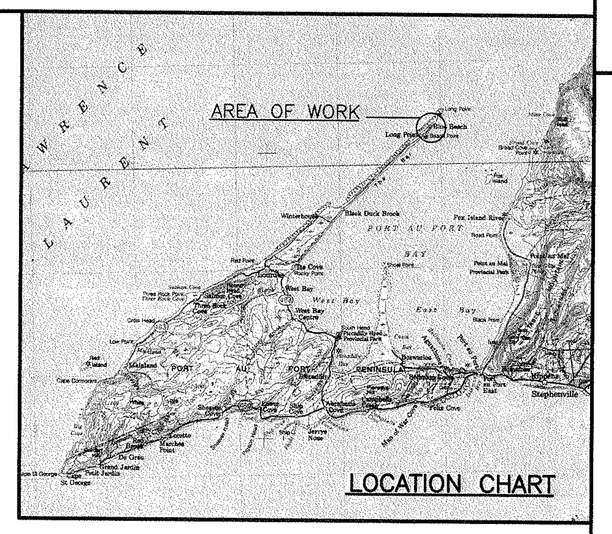

LEGEND

SYMBOLS

ACQUACULTURE
ANCHOR BLOCK
BOLLARD
BOREHOLE
BOUNDARY MARKER
CARD POSITION BUOY
CATCH BASIN
CLEAT
CULVERT
DOWROCK
DISPOSAL
DREDGE CONTROL
ELECTRICAL OUTLET
FIRE HYDRANT
FIRST AID
FISH HANDLING EQUIP.
FOG HORN
FUEL PUMP
H PILE
HORIZONTAL CONTROL
ICE PLANT
INVERT PIPE
JIB CRANE
FLAG POLE
LADDER
LIFE RING
LIGHT STANDARD
MANHOLE
MARSH
MAST/TOWER
NAVIGATION LIGHT
OBSERVED BUOY
OBSERVED SPAR BUOY
PIPE PILE
RANGE LIGHT
SAFETY POST
SEWER OUTFLOW PIPE
SIGN
TELEPHONE
TELEPHONE POLE
TIDE GUAGE/STAFF
TREE
UTILITY POLE
VERTICAL CONTROL
WATER TAP/OUTLET
WATER VALVE
WATER WELL
WOOD PILE

LINETYPE

ARMOUR STONE
CL RAILROAD
DRAIN PIPE
EDGE ROAD / SHOULDER
FENCE LINE
FLOATING WAVEBREAK
GUARD RAIL
HIGH WATER MARK
LOW WATER MARK
MARSH OUTLINE
PROPERTY BOUNDARY
RANGE LIGHT EXTENSION
RETAINING WALL
REPRAP
TOE OF BANK
SIDE LINE
UNDERGROUND CABLE

LEGEND:

INDICATES AREA OF NEW WORK.

GENERAL NOTES:

1. ALL DIMENSIONS IN MILLIMETRES.
2. ALL SOUNDINGS & ELEVATIONS IN METRES.

SURVEY NOTES

SURVEY PARTY CHIEF RICHARD HEALEY
SURVEY VESSEL ALUMINUM BOAT
SURVEY DATE(S) MAY 01,2013

SOUNDER TYPE: SINGLE TRANSDUCER
SOUNDER SETTING MIN/INST VEL. OF SOUND 1520 m/s
DEPTH GATE USED N/A FRE. OF TRANS. 210 kHZ

POSITIONING SYSTEM USED TRIMBLE R7 GNSS DGPS (WITH OTF)
LAND SURVEY POSITION BY TRIMBLE R7 GNSS DGPS (WITH OTF)

DATA TAPE/DISC(S) USED
CAD DRAWING FILE(S):

TIDAL REDUCTION SCHEME

OFFICE PROCESSOR RICHARD HEALEY
DATE OF PROCESSING MAY 2013

MODE OF PLOTTING LEAST OF MINIMUM DEPTHS
MATRIX CELL WIDTH X LENGTH
REDUCTION OF MATRIX CELLS

CONTROL POINTS:

Pt. NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
PWC 1-93			+3.605m	BOLT SET IN CONCRETE DECK
PWC 2-93			+7.147m	BOLT SET IN BEDROCK
PWC 3-93			+5.546m	BOLT SET IN CONCRETE DECK
PWC 4-93				BOLT SET IN BEDROCK
PWC 5-93				BOLT SET IN BEDROCK
PWC 9-95			+2.859m	BOLT SET IN CONCRETE DECK
BM 91F9000			+3.975m	CHS BENCH MARK SET IN CONCRETE DECK
BM 91F9001			+2.937m	CHS BENCH MARK SET IN CONCRETE DECK

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO CHS BM 91F9000 ELEV. +3.975 m (BRASS PLAQUE SET IN CONCRETE DECK).

SOUNDINGS TAKEN USING NAVISOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE R7 GNSS DIFFERENTIAL GPS POSITIONING SYSTEM ON MAY 01,2013 BY PWGSC SURVEY CREW.

COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING PLANE, ZONE 22, USING THE NORTH AMERICAN DATUM OF 1983(NAD83).

SOUNDINGS WERE REDUCED BY DIGITRACE & RE-CHECKED FROM SOUNDING CHARTS BEFORE BEING CORRECTED FOR TIDE & BAR CHECK CORRECTION.

SOUNDINGS WERE REDUCED USING HYPACK MAX VER. 2010.

SPEED OF SOUND WAS OBTAINED BY "BAR CHECK" METHOD.

ALL FIELD NOTES ARE IN FLATROCK BOOK #99 "B".

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

revisions | date

project / projet
BREAKWATER REPAIRS

BLUE BEACH
NL

drawing / dessin
SITE PLAN, MAP, LOCATION CHART

designed P. DAVISON / conçu
date FEB. 2014
drawn E.B. / dessiné
date FEB. 2014
approved / approuvé
date 6 May 2014
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC
project number / no. du projet
R.069811.001
drawing no. / no. du dessin
1 OF 3

PWGSC B1 (2004)

E-DRM/GDD-E: