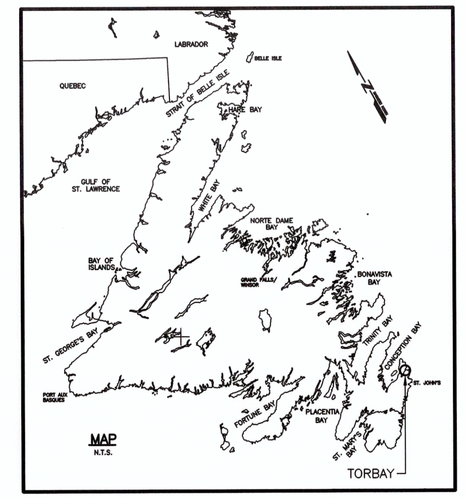

LEGEND

SYMBOLS

AQUACULTURE, ANCHOR BLOCK, BOLLARD, BOREHOLE, BOUNDARY MARKER, CARD POSITION BUOY, CATCH BASIN, CLEAT, CULVERT, DERRICK, 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, MAHOGANY, MARSH, MAST/TOWER, NAVIGATION LIGHT, OBSERVED BUOY, OBSERVED SPAR BUOY, PIPE PILE, RANGE LIGHT, SAFETY POST, SEWER OUTFLOW PIPE, SIGN, TELEPHONE, TELEPHONE POLE, TIDE GAUGE/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, REPAIR, TOE OF BANK, TREE LINE, UNDERGROUND CABLE

NOTES

SURVEY PARTY CHIEF RICHARD HEALEY
SURVEY VESSEL ALUMINUM BOAT
SURVEY DATE(S) MARCH 29,2012

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 DGPS (WITH CTF)
LAND SURVEY POSITION BY DGPS (WITH CTF)

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

TIDAL REDUCTION SCHEME

OFFICE PROCESSOR EDDIE BEARNS
DATE OF PROCESSING APRIL 2012

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

CONTROL POINTS:

PL NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
029068	369724.578	5280566.813		PROVINCAL BRASS PLAQUE SET IN BEDROCK
029091	370350.048	5279496.694		PROVINCAL BRASS PLAQUE SET IN BEDROCK
PWC 2-91	370381.440	5280527.425		BOLT SET IN CONCRETE DECK
PWC 4-2010	370384.565	5280525.080		BOLT SET IN CONCRETE DECK
PWC 1-2011	370360.276	5280566.900	+2.792m	BOLT SET IN CONCRETE DECK

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO PWC 1-2011 ELEV. +2.792m (BOLT SET IN CONCRETE DECK) AND DATUM WAS ESTABLISHED BY OTHERS IN 1991.

SOUNDINGS TAKEN USING NAVISOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE DIFFERENTIAL GPS POSITIONING SYSTEM ON MARCH 29,2012 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.02.12.

SPEED OF SOUND WAS OBTAINED FROM "BAR-CHECK" METHOD.

ALL FIELD NOTES ARE IN TORBAY BOOK #98.

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

Plot Scale: PLOT_SCALE

Fisheries and Oceans Canada / Pêches et Océans Canada

SMALL CRAFT HARBOURS

NOTES:
1. ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
This Permit Allows
AFN ENGINEERING INC.
To practice Professional Engineering in Newfoundland and Labrador. Permit No.as issued by APEGNL F0292 which is valid for the year 2016.

STAMP: REGISTERED PROFESSIONAL ENGINEER NEIL C. HUNT SIGNATURE 27/01/16 DATE NEWFOUNDLAND & LABRADOR

revisions		date
C	ISSUED FOR TENDER	27/01/16
B	ISSUED FOR 99% REVIEW	23/11/15
A	ISSUED FOR CONCEPT	25/10/15

project / projet
SHORELINE PROTECTION
TORBAY, NL

drawing / dessin
NEW SITE PLAN

designed N.H. / concu
date JANUARY 27, 2016
drawn P.H. / dessine
date JANUARY 27, 2016
approved / approuve
Tender / Soumission
DFO Project Manager
project number / no. du projet 716872
drawing no. / no. du dessin C2