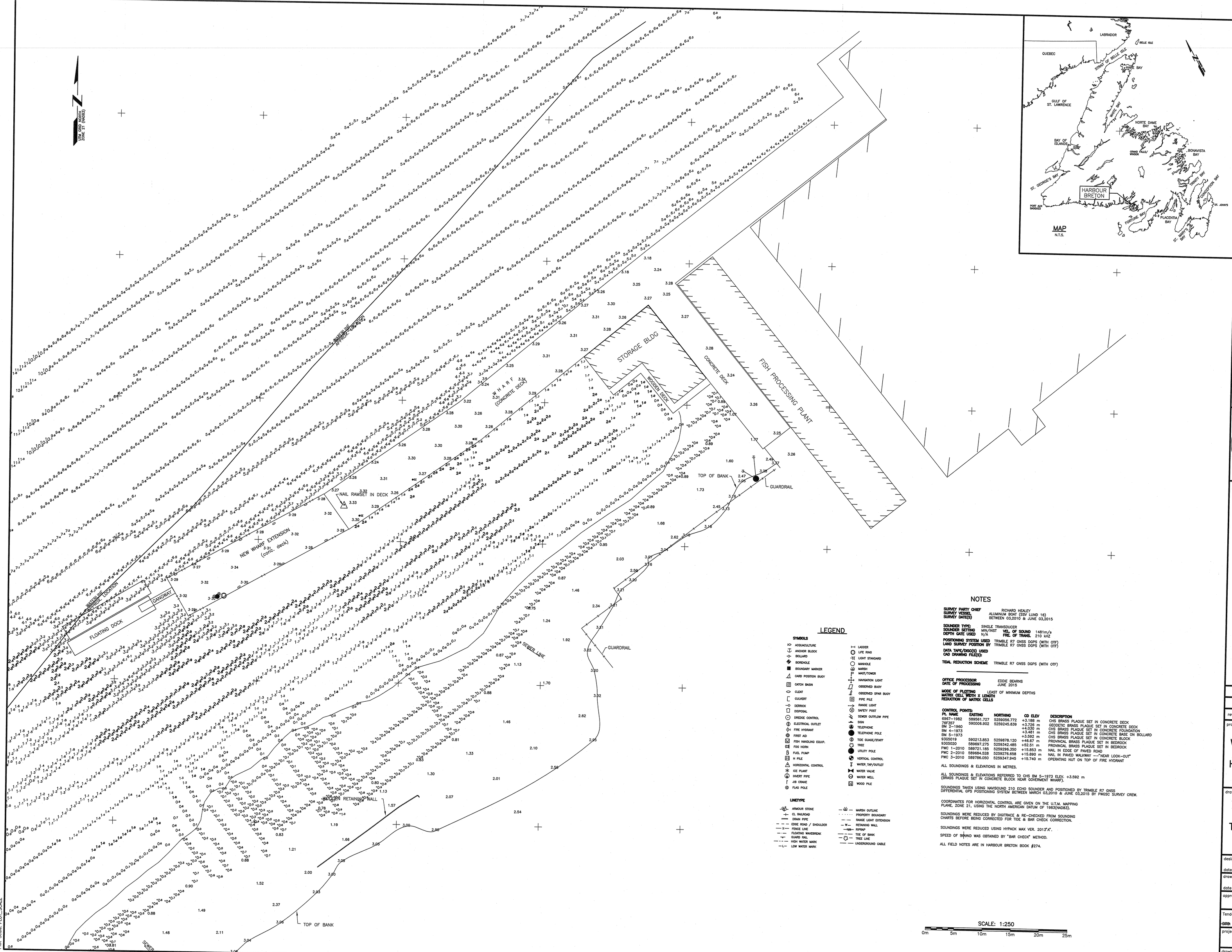

MAP
N.T.S.

LEGEND

SYMBOLS

- ACQUACULTURE
- 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
- 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
- RIPRAP
- TOE OF BANK
- TREE LINE
- UNDERGROUND CABLE

NOTES

SURVEY PARTY CHIEF: RICHARD HEALEY
SURVEY VESSEL: ALUMINUM BOAT (SSV LUND 16)
SURVEY DATE(S): BETWEEN 03,2010 & JUNE 03,2015

SOUNDER TYPE: SINGLE TRANSDUCER
SOUNDER SETTING: MIN/INST — VEL. OF SOUND 1481m/s
DEPTH GATE USED: N/A — FREQ. 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: TRIMBLE R7 GNSS DGPS (WITH OTF)

OFFICE PROCESSOR: EDDIE BEARNS
DATE OF PROCESSING: JUNE 2015

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
6967-1982	589561.727	5259056.772	+3.188 m	CHS BRASS PLAQUE SET IN CONCRETE DECK
76F357	590006.902	5259245.839	+3.726 m	GEODETIC BRASS PLAQUE SET IN CONCRETE DECK
BM 2–1960			+4.030 m	CHS BRASS PLAQUE SET IN CONCRETE FOUNDATION
BM 4–1973			+3.481 m	CHS BRASS PLAQUE SET IN CONCRETE BASE ON BOLLARD
BM 5–1973			+3.592 m	CHS BRASS PLAQUE SET IN CONCRETE BLOCK
93C5019	590213.853	5259878.120	+46.67 m	PROVINCIAL BRASS PLAQUE SET IN BEDROCK
93C5020	589697.275	5259342.485	+52.51 m	PROVINCIAL BRASS PLAQUE SET IN BEDROCK
PWC 1–2010	589721.185	5259298.350	+15.853 m	NAIL IN EDGE OF PAVED ROAD
PWC 2–2010	589684.528	5259276.658	+15.890 m	NAIL IN PAVED WALKWAY —"NEAR LOOK–OUT"
PWC 3–2010	589786.050	5259347.945	+15.740 m	OPERATING NUT ON TOP OF FIRE HYDRANT

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO CHS BM 5–1973 ELEV. +3.592 m (BRASS PLAQUE SET IN CONCRETE BLOCK NEAR GOVERMENT WHARF).

SOUNDINGS TAKEN USING NAVSOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE R7 GNSS DIFFERENTIAL GPS POSITIONING SYSTEM BETWEEN MARCH 03,2010 & JUNE 03,2015 BY PWGSC SURVEY CREW.

COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING PLANE, ZONE 21, 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. 2013"A".

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

ALL FIELD NOTES ARE IN HARBOUR BRETON BOOK #274.

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

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
22/04/16
DATE
NEWFOUNDLAND & LABRADOR

B	ISSUED FOR TENDER	1/2/16
A	ISSUED FOR REVIEW	7/1/16
revisions		date

project / projet

WHARF CONSTRUCTION

HARBOUR BRETON, NL

drawing / dessin

SOUNDING AND TOPOGRAPHIC SURVEY

designed N.H. / concu
date FEBRUARY 1, 2016
drawn N.H. / dessine
date FEBRUARY 1, 2016
approved / approuve
Tender / Soumission
Project Manager
project number / no. du projet
R.081991.001
drawing no. / no. du dessin
C1

EDRM Document No. 540022

Plot Scale: PLOT_SCALE