SURVEY NOTES

SURVEY PARTY CHIEF EDDIE BEARNS
SURVEY VESSEL ALUMINUM BOAT
SURVEY DATE(S) JULY 23,2015

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 OTF)
LAND SURVEY POSITION BY DGPS (WITH OTF)

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

TIDAL REDUCTION SCHEME

OFFICE PROCESSOR EDDIE BEARNS
DATE OF PROCESSING JULY 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
96G6130	349718.175	5264192.833		CL MON. BRASS PLAQUE IN CONCETE DECK
PWC 9501	349719.155	5264192.465	+2.839m	BOLT CEMENTED IN CONCRETE DECK
PWC 9502	349486.596	5264151.492	+2.501m	BOLT CEMENTED IN CONCRETE SLIPWAY

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO PWC 9501 ELEV.+2.839 m OR PWC 9502 ELEV.+2.501 m & WAS ESTABLISHED BY WATER LEVEL TRANSFER FROM CHS BM 1–1974 LOCATED AT LONG POND,MANUELS ON JUNE 25,1986.

SOUNDINGS TAKEN USING A NAVISOUND 210 ECHO SOUNDER AND POSITIONED USING TRIMBLE R7 GNSS DGPS SURVEY EQUIPMENT ON JULY 23,2015 BY PWC 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.2013"A".

ALL FIELD NOTES ARE IN FOXTRAP BOOK #109.

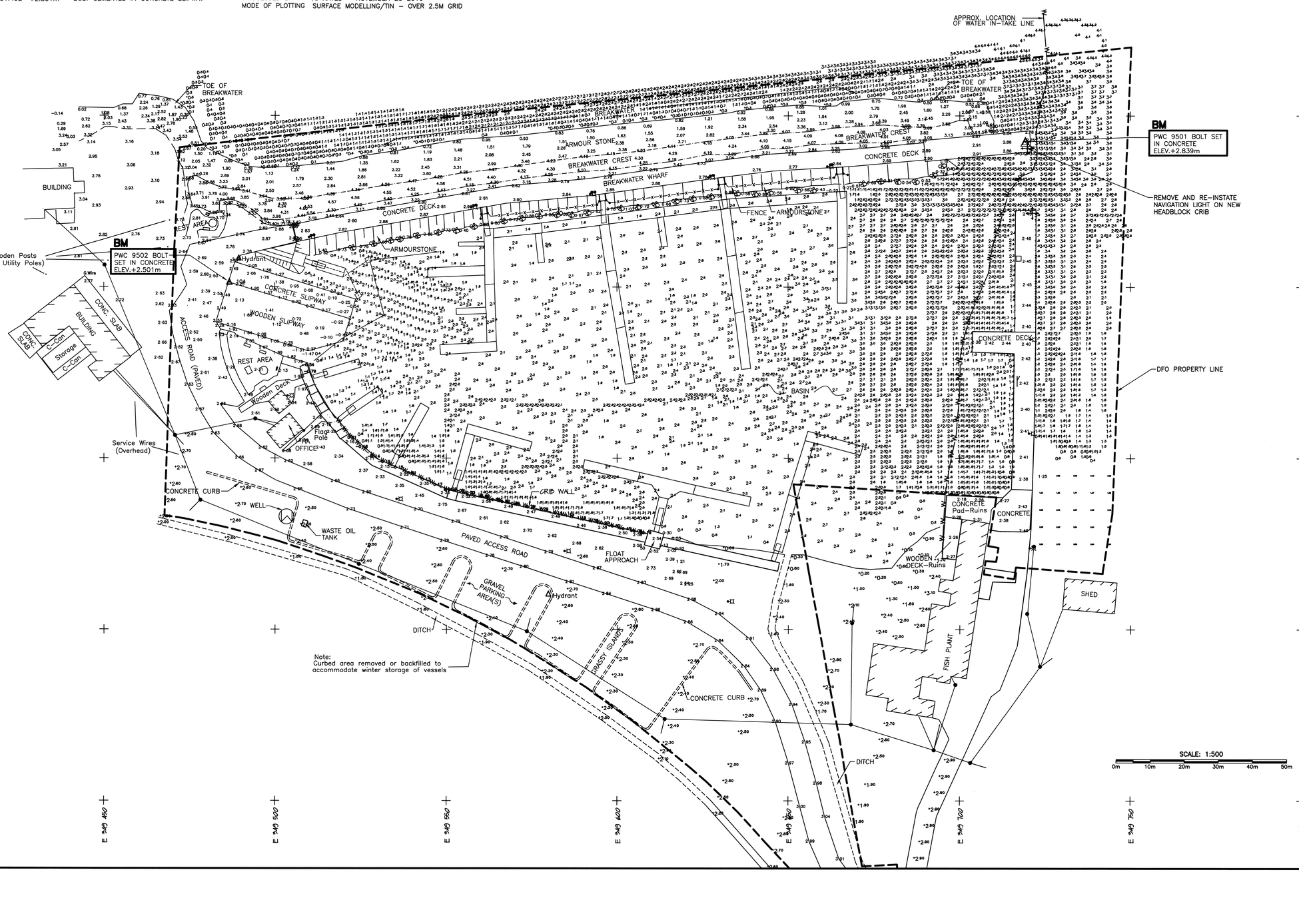
Additional Survey Notes for Nov. 23 –16,

HYDROGRAPHIC SURVEY PARTY: A. HAYES, A.OWENS
HYDROGRAPHIC SURVEY VESSEL: 16 FT. ALUMINUM BOAT
DATE OF DATA COLLECTION: NOVEMBER 17, 2016

SONAR SYSTEM: SONARMITE SINGLE BEAM TRANSDUCER
FRE. OF TRANS. 200 kHZ
BEAM ANGLE: 7 Deg
SOUNDER SETTING: FIRST RETURN
VEL. OF SOUND: 1500 m/s

SOUNDING PATTERN: MAINLINE 5.0 M. – CHECKLINE 2.5 M.
SOUNDING POSITION BY: TOPCON HYPER V RTK–GPS
TOPOGRAHY POSITION BY: TOPCON HYPER V RTK–GPS

PROCESSED BY: A. HAYES – NOVEMBER 23 2016
MODE OF PLOTTING SURFACE MODELLING/TIN – OVER 2.5M GRID



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
APN ENGINEERING INC.
To practice Professional Engineering in Newfoundland and Labrador. Permit No.as issued by APEGNL PO2982 which is valid for the year 2018

STAMP
REGISTERED PROFESSIONAL ENGINEER
NEIL C. HUNT
SIGNATURE 7/9/18
DATE
NEWFOUNDLAND & LABRADOR

D	ISSUED FOR TENDER	7/9/18
C	ISSUED FOR 99% REVIEW	3/15/17
B	ISSUED FOR 66% REVIEW	2/18/17
A	ISSUED FOR 33% REVIEW	1/30/17
revisions		date

project / projet
MARGINAL WHARF RECONSTRUCTION
FOXTRAP, NL

drawing / dessin
SOUNDING AND TOPOGRAPHIC SURVEY

designed N.H. / concu
date JULY 9, 2018
drawn P.H. / dessine
date JULY 9, 2018
approved / approuve
Tender / Soumission
DFO Project Manager
project number / no. du projet
721924
drawing no. / no. du dessin
C1