SURVEY NOTES

SURVEY PARTY CHIEF RICHARD HEALEY
SURVEY VESSEL ALUMINUM BOAT
SURVEY DATE(S) BETWEEN AUGUST 23, 2011 & JUNE 22, 2016

SOUNDER TYPE: SINGLE TRANSDUCER
SOUNDER SETTING MIN/INST VEL. OF SOUND 1500 m/s
DEPTH GATE USED N/A FREQ. OF TRANS. 200 kHz

POSITIONING SYSTEM USED TRIMBLE 5700 GPS
LAND SURVEY POSITION BY TRIMBLE 5700 GPS

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

TIDAL REDUCTION SCHEME

OFFICE PROCESSOR EDDIE BEARNS
DATE OF PROCESSING JULY 2016

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
7109123	559189.363	5848591.677		PROVINCAL BRASS PLAQUE SET IN BEDROCK
7109127	560385.638	5848735.771		PROVINCAL BRASS PLAQUE SET IN BEDROCK
PWC 1–2010	559273.175	5847451.540	+2.476 m	PWC BOLT SET IN CRIB FLOATING DOCKS
PWC 2–92	559620.031	5847507.571	+3.167 m	PWC BOLT SET IN CONCRETE DECK
CHS BM2–81	559572.730	5847435.127	+3.29 m	CHS BRASS PLAQUE SET IN BEDROCK
BM 00F9102	559630.256	5847474.689	+3.18 m	CHS BRASS PLAQUE SET IN CONCRETE DECK

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO CHS BM 2–1981 ELEV. +3.290 m (BRASS PLAQUE SET IN BEDROCK) OR CHS BM 00F9102 ELEV.+3.18 m (BRASS PLAQUE IN DECK).

SOUNDINGS TAKEN USING NAVISOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE DIFFERENTIAL GPS POSITIONING SYSTEM ON JULY 06,2005 AND SEPT.30,2009.

COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING ZONE, 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.

SPEED OF SOUND WAS OBTAINED USING A DIGIBAR–PRO VELOCIMETER.
SOUNDINGS WERE REDUCED USING HYPACK MAX VER.4.3.

ALL FIELD NOTES ARE IN BOOK MARKED CHARLOTTETOWN, LAB. #155.

LAYOUT POINT	NORTHING/EASTING	NOTES
LP1	N 5847483.575 / E 559724.083	FINGER PIER
LP2	N 5847485.246/ E 559732.044	FINGER PIER
LP3	N 5847531.822 / E 559731.409	FINGER PIER
LP4	N 5847530.678 / E 559738.942	FINGER PIER
LP5	N 5847502.639 / E 559707.904	HARBOUR DREDGING
LP6	N 5847539.929 / E 559705.157	HARBOUR DREDGING
LP7	N 5847561.184 / E 559713.393	HARBOUR DREDGING
LP8	N 5847547.183 / E 559743.451	HARBOUR DREDGING
LP9	N 5847517.970 / E 559757.564	HARBOUR DREDGING
LP10	N 5847492.348 / E 559777.921	HARBOUR DREDGING
LP11	N 5847477.690 / E 559755.620	HARBOUR DREDGING
LP12	N 5847524.655 / E 559781.505	OUTFALL LINE

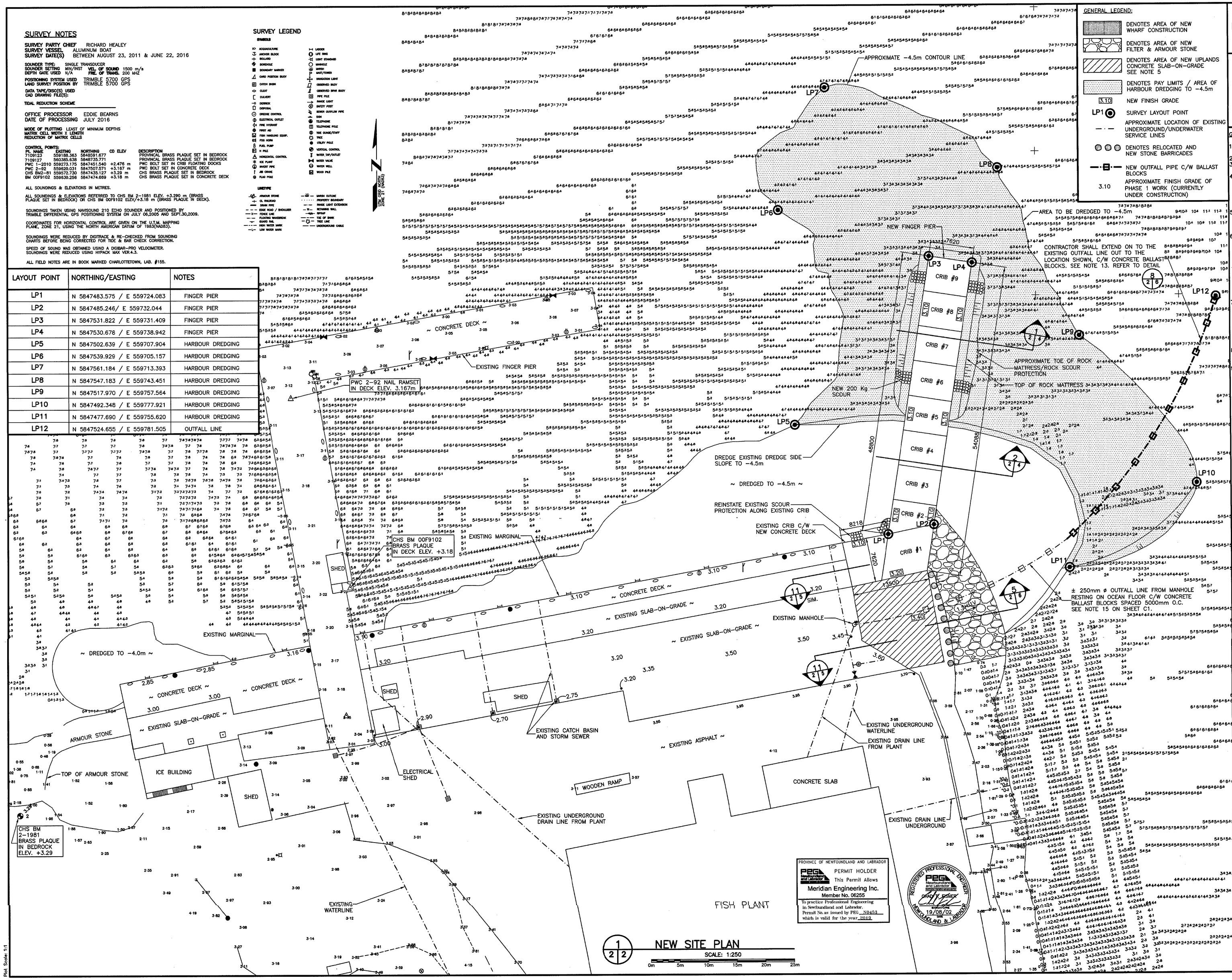
SURVEY LEGEND

SYMBOLS

AQUACULTURE; ANCHOR BLOCK; BOLLARD; BOREHOLE; BOUNDARY MARKER; CAIRD POSITION BUOY; CATCH BASIN; CLEAT; CULVERT; DERRICK; DREDGE CONTROL; DRUM; ELECTRICAL OUTLET; FIRE HYDRANT; FIRST AID; FISH HANDLING EQUIP.; FISH WEIR; FUEL PUMP; H. FILE; HORIZONTAL CONTROL; OIL PLANT; PADDY PIPE; PIR 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 GAUGE/STAFF; TREE; UTILITY POLE; VERTICAL CONTROL; WATER SEA OUTLET; WATER VALVE; WATER WELL; WOOD PILE

LINETYPE

ARMOUR STONE; C/L RAILROAD; CRANE RAIL; EDGE ROAD / SHOULDER; FENCE LINE; FLOATING BREAKWATER; GUARD RAIL; HIGH WATER MARK; LOW WATER MARK; MARSH OUTLINE; PROPERTY BOUNDARY; RANGE LIGHT EXTENSION; RETAINING WALL; RIPRAP; TOE OF SLOPE; TREE LINE; UNDERGROUND CABLE



Fisheries and Oceans Canada / Pêches et Océans Canada

SMALL CRAFT HARBOURS

GENERAL NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS SPECIFIED OTHERWISE.
2. ALL ELEVATIONS IN METRES.
3. DO NOT SCALE FROM DRAWINGS, USE DIMENSIONS AS SHOWN.
4. THIS IS AN ACTIVE SITE AND THEREFORE CONTRACTOR SHALL COORDINATE WORK AS NECESSARY AS NOT TO DISRUPT ONGOING ACTIVITIES BOTH ON THE EXISTING STRUCTURES AND IN THE UPLANDS AREA.
5. THE AREA INDICATED DENOTES PAY LIMITS FOR CONCRETE SLAB–ON–GRADE AND UNDERLYING GRANULAR BASE AND SUB–BASE MATERIALS.
6. NEW UPLANDS AREA WITH CONCRETE SLAB–ON–GRADE TO BE GRADED TO PROVIDE POSITIVE DRAINAGE TOWARDS THE SHORELINE AND WHARF FACE. GRADES SHOWN IN THE UPLANDS AREA ARE TO BE CONSIDERED APPROXIMATE AND SOME FIELD ADJUSTMENTS TO THE GRADES MAYBE REQUIRED BASED ON EXISTING FEATURES TO ENSURE A SMOOTH TRANSITION AND AVOID CREATING LOW SPOTS.
7. SET GRADES AND LAYOUT WORK IN DETAIL FROM CONTROL POINTS, EXISTING FEATURES AND GRADES ESTABLISHED. ASSUME FULL RESPONSIBILITY FOR AND EXECUTE LAYOUT OF WORK TO LOCATIONS, LINES, ELEVATIONS INDICATED OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
8. SCHEDULING FOR DREDGING WORK TO BE COORDINATED WITH DEPARTMENTAL REPRESENTATIVE.
9. CONTRACTOR SHALL EXCAVATE AND DREDGE IN SUCH A MANNER AS TO ENSURE STABILITY OF SIDE SLOPES. ALL DREDGING MEASURED UNDER SECTION 35 20 23 – DREDGING, SHALL BE MEASURED FOR PAYMENT PURPOSES BASED ON DREDGE SLOPES 1.5H : 1.0V, EXCEPT IN ROCK, WHICH SHALL BE 1.0H : 4.0V, UNLESS SPECIFICALLY INDICATED OTHERWISE, BASED ON THE OUTER DREDGE BOUNDARIES INDICATED.
10. DO NOT UNDERMINE EXISTING UPLANDS SLOPES DURING EXCAVATION AND DREDGING WORK.
11. SLAB–ON –GRADE CONTROL JOINTS OMITTED FOR CLARITY AND SHALL BE INSTALLED AT A MINIMUM 6.1m X 6.1m GRID. COORDINATE EXACT LOCATION IN FIELD WITH DEPARTMENTAL REPRESENTATIVE.
12. INSTALLATION OF TEMPORARY DREDGE ROADS WILL NOT BE PERMITTED. REFER TO SPECIFICATION SECTION 31 36 19 – ROCK MATTRESS AND SECTION 35 20 23 – DREDGING.
13. NEW OUTFALL LINE SHALL BE INSTALLED WITHOUT ANY HIGH POINTS. PREPARE OCEAN FLOOR AS NECESSARY. REFER TO SECTION 33 31 13 – OCEAN OUTFALL PIPING FOR CONNECTION AND INSTALLATION PROCEDURES. SCHEDULE CONNECTION TO EXISTING LINE WITH DEPARTMENTAL REPRESENTATIVE AND FISH PLANT.

D	ISSUED FOR TENDER	19/08/02
C	ISSUED FOR 99% REVIEW	19/07/24
B	ISSUED FOR 66% REVIEW	19/06/21
A	ISSUED FOR 33% REVIEW	18/12/17
revisions		date

project / projet

FINGER PIER PHASE 2

CHARLOTTETOWN LABRADOR

drawing / dessin

NEW SITE PLAN

designed C.F. / concu
date DECEMBER 2018
drawn R.B.S. / dessine
date DECEMBER 2018
approved / approuve
date
Tender / Soumission
DFO Project Manager / Administrateur de projets MPO
project number / no. du projet
721683–011
drawing no. / no. du dessin
C2 OF 7