NOTES

SURVEY PARTY CHIEF RICHARD HEALEY
SURVEY VESSEL ALUMINUM BOAT
SURVEY DATE(S) TOPO COMPLETED OCTOBER 17, 2019
SOUNDINGS COMPLETED SEPTEMBER 03, 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 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 EDDIE BEARNS
DATE OF PROCESSING OCTOBER 2019

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
81G2017	334142.477	5284706.218		PROVINCIAL BRASS PLAQUE SET IN CONCRETE
81G2018	334580.591	5285179.811		PROVINCIAL BRASS PLAQUE SET IN CONCRETE
PWC 1–96	333684.142	5284297.525	+2.687 m	NAIL RAMSET IN CONCRETE DECK
PWC 2–96	333669.778	5284414.531	+3.954 m	SPIKE DRIVEN FLUSH IN PAVEMENT
PWC 3–96	333533.849	5284376.187	+3.725 m	SPIKE DRIVEN FLUSH IN PAVEMENT
PWC 4–96	333517.464	5284266.847		NAIL RAMSET IN CONCRETE DECK
CHS 1–1983	333708.280	5284381.550	+3.086 m	CHS BRASS PLAQUE IN CONCRETE FLOOR
CHS 2–1983	333678.900	5284411.170	+5.279 m	CHS BRASS PLAQUE IN CONCRETE WALL
BM 92F347			+2.853 m	GEODETIC BRASS PLAQUE IN CONCRETE BASE

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO CHS 1–1983 ELEV. +3.086 m (BRASS PLAQUE SET IN CONCRETE FOUNDATION OF BUILDING NEAR GOVERNMENT WHARF.

SOUNDINGS TAKEN USING NAVISOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE R7 GNSS DIFFERENTIAL GPS POSITIONING SYSTEM SEPTEMBER 03,2015 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. 2013"A".

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

ALL FIELD NOTES ARE IN HARBOUR GRACE BOOK #260.

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, 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

COORDINATE TABLE
(TOE OF DREDGING LIMITS)

POINT	NORTHING	EASTING
PT.A	5284308.9374	333542.8630
PT.B	5284296.3729	333547.0373
PT.C	5284296.3729	333551.0568
PT.D	5284292.1599	333552.4240
PT.E	5284294.5285	333559.7229
PT.F	5284300.3624	333557.8297
PT.G	5284302.7143	333565.0771
PT.H	5284311.9870	333562.0680
PT.J	5284313.9419	333568.0921
PT.K	5284330.3977	333618.8011
PT.L	5284326.0335	333622.1980
PT.M	5284323.3765	333619.3871
PT.N	5284320.0363	333620.1468
PT.O	5284316.8099	333627.6678
PT.P	5284316.7872	333632.7013
PT.Q	5284311.2636	333634.4638
PT.R	5284312.3087	333638.0374
PT.S	5284310.0720	333638.6915
PT.T	5284311.7952	333644.5840
PT.U	5284339.9920	333636.3377
PT.V	5284316.9834	333567.0816

NOTE: SEE DREDGING LIMITS PLAN BELOW FOR POINT LOCATIONS.

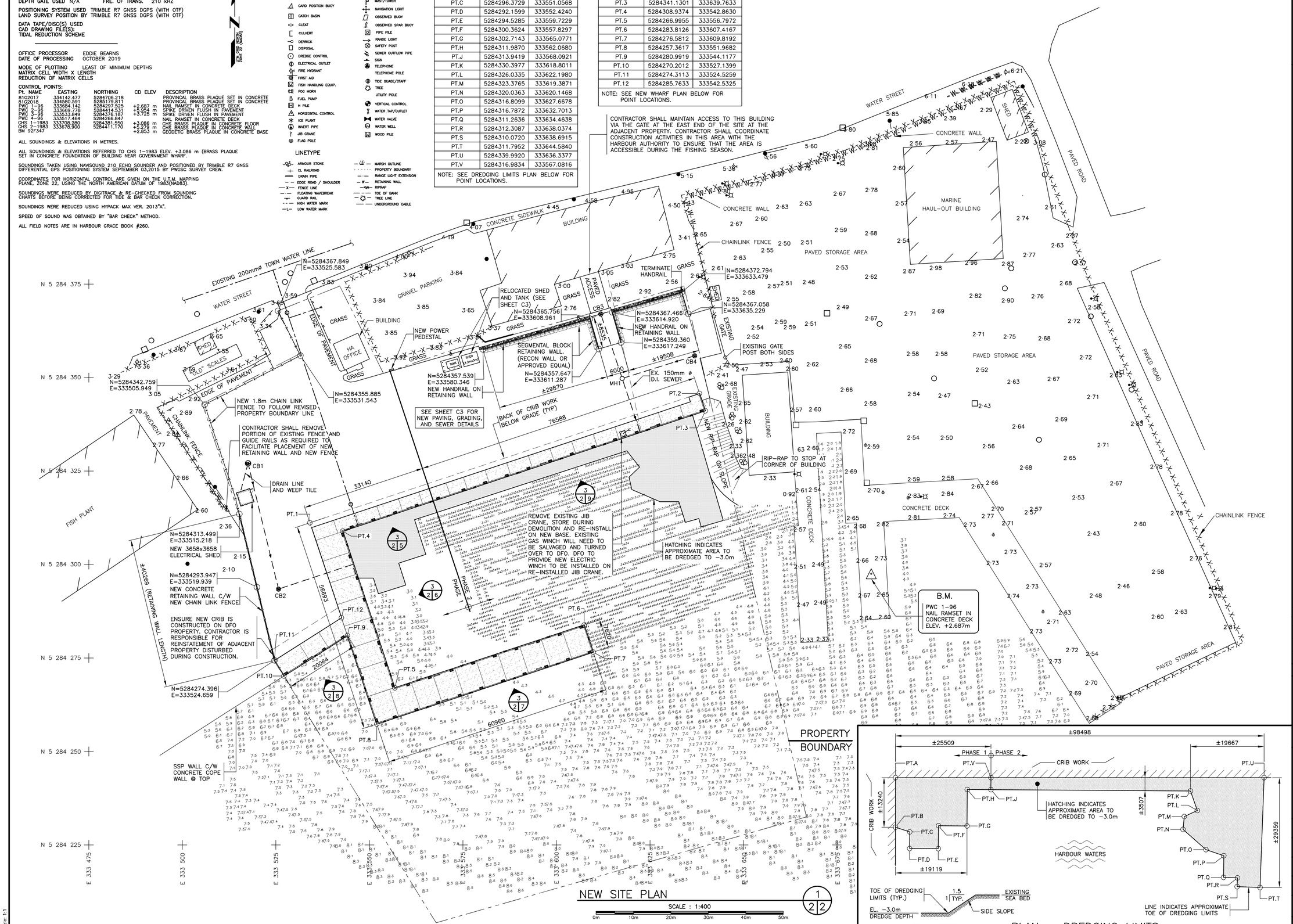
COORDINATE TABLE
(CORNERS OF NEW WHARVES)

POINT No.	NORTHING	EASTING
PT.1	5284311.1630	333534.0941
PT.2	5284345.7582	333638.2258
PT.3	5284341.1301	333639.7633
PT.4	5284308.9374	333542.8630
PT.5	5284266.9955	333556.7972
PT.6	5284283.8126	333607.4167
PT.7	5284276.5812	333609.8192
PT.8	5284257.3617	333551.9682
PT.9	5284280.9919	333544.1177
PT.10	5284270.2012	333527.1399
PT.11	5284274.3113	333524.5259
PT.12	5284285.7633	333542.5325

NOTE: SEE NEW WHARF PLAN BELOW FOR POINT LOCATIONS.

DESIGN NOTES

1. UNIFORMLY DISTRIBUTED LIVE LOAD OF 15 kPa.
2. "A" TYPE CLEATS RATED FOR A UNFACTORED MOORING LINE PULL OF 110 KN.
3. CL–625 DESIGN VEHICLE.
4. FORKLIFT WITH MAXIMUM UNFACTORED AXLE LOAD OF 200 KN.



NEW SITE PLAN

SCALE : 1:400

0m 10m 20m 30m 40m 50m

PLAN – DREDGING LIMITS

SCALE: 1:400

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.
3. DO NOT SCALE FROM DRAWINGS.
4. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE PRIOR TO PROCEEDING WITH ANY PORTION OF THIS WORK.

REGISTERED PROFESSIONAL ENGINEER — PEGL Newfoundland & Labrador — STEPHEN PEARCE — SIGNATURE — 13–12–21 DATE — NEWFOUNDLAND & LABRADOR

PROVINCE OF NEWFOUNDLAND AND LABRADOR
PEGL Newfoundland & Labrador
PERMIT HOLDER
This Permit Allows
DILLON CONSULTING LIMITED
To Practice Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by PEGNL D0161 which is valid for the year 2021

revisions		date
0	ISSUED FOR TENDER	DEC. 13 2021
D	ISSUED FOR PRE–TENDER REVIEW	NOV. 26 2021
C	ISSUED FOR FINAL REVIEW	SEPT.09 2020
B	ISSUED FOR 99% REVIEW	MAR.30 2020
A	ISSUED FOR 66% REVIEW	NOV.19 2019

project / projet

WHARF RECONSTRUCTION

HARBOUR GRACE, NL

drawing / dessin

NEW SITE PLAN AND DREDGING LIMITS, PHASE 1 & PHASE 2

designed S. PEARCE / concu
date FEBRUARY 2020
drawn B. SCAPLEN / dessine
date FEBRUARY 2020
approved / approuve
Tender / Soumission
DFO Project Manager
project number / no. du projet C2–00201
drawing no. / no. du dessin C2 OF 11

Plot Scale: 1:1