NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.
2. ALL ELEVATIONS ARE IN METERS.
3. DO NOT SCALE FROM DRAWINGS, USE DIMENSIONS SHOWN.
4. THE CONTRACTOR IS REQUIRED TO CONSTRUCT THE MINIMUM "ON-SITE" DISPOSAL AREA WITH SUITABLE DREDGE MATERIAL AS INDICATED.
5. THE CONTRACTOR SHALL NOT DISPOSE OF SUITABLE DREDGE MATERIAL BEYOND THE LIMITS AT THE MAXIMUM "ON-SITE" DISPOSAL AREA INDICATED.
6. FINISHED GRADES OF POSITIVE DRAINAGE IS SHOWN FOR THE MINIMAL DISPOSAL AREA ONLY. FOR LARGER DISPOSAL AREAS, THE CONTRACTOR SHALL PLACE SUITABLE DREDGE MATERIAL TO ACCEPTABLE GRADES, SUCH THAT POSITIVE DRAINAGE IS ACHIEVED TOWARDS THE HARBOUR, AND IS DIRECTED AWAY FROM EXISTING BUILDINGS. PERIMETER AND COLLECTOR DITCHES MAY BE REQUIRED TO ACHIEVE THIS. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE DEPARTMENTAL REPRESENTATIVE. IF THE DISPOSAL AREA IS LARGER THAN THE MINIMUM AREA SHOWN, THE CONTRACTOR SHALL SUBMIT A DRAINAGE PLAN TO THE DEPARTMENTAL REPRESENTATIVE FOR REVIEW AND SUBSEQUENT APPROVAL, PRIOR TO COMMENCEMENT OF THIS WORK.
7. BACKFILL AGAINST CONDUIT IN DOUBLE HORIZONTAL FENDER WITH TYPE I AND TYPE 2 BACKFILL MATERIAL, TO APPROVAL OF DEPARTMENTAL REPRESENTATIVE.
8. MAINTAIN A BUFFER OF AT LEAST TWO (2) METERS AWAY FROM EXISTING WHARF FACE AND MAXIMUM TOE OF DREDGE DISPOSAL AREA DURING DREDGING OPERATIONS.

WHARF CONTROL

6° UNIVERSAL TRANSVERSE MERCATOR, ZONE 22

	EASTING (X)	NORTHING (Y)	DESCRIPTION
M1	605904.565	5706612.483	NEW MARGINAL EXTENSION
M2	605926.889	5706583.479	NEW MARGINAL EXTENSION
F1	605826.875	5706588.002	NEW FINGER PIER EXTENSION
F2	605821.972	5706582.168	NEW FINGER PIER EXTENSION
F3	605854.638	5706554.715	NEW FINGER PIER EXTENSION
F4	605859.541	5706560.548	NEW FINGER PIER EXTENSION

FOR MAIN SURVEY CONTROL, USE COORDINATE TABLE AS OUTLINED IN SURVEY NOTES, ON THIS DRAWING.

DREDGE CONTROL

6° UNIVERSAL TRANSVERSE MERCATOR, ZONE 22

	EASTING (X)	NORTHING (Y)	DESCRIPTION
D1	605909.1	5706624.7	TOE OF DREDGING
D2	605881.9	5706621.6	TOE OF DREDGING
D3	605858.4	5706617.4	"
D4	605836.1	5706618.3	"
D5	605806.4	5706613.9	"
D6	605797.1	5706602.1	"
D7	605825.0	5706597.7	"
D8	605864.3	5706591.3	"
D9	605895.3	5706588.3	"
D10	605924.7	5706580.1	"
D11	605927.1	5706522.6	"
D12	605938.0	5706508.3	"
D13	605914.5	5706490.4	"
D14	605903.6	5706504.7	"

UPLANDS CONTROL

6° UNIVERSAL TRANSVERSE MERCATOR, ZONE 22

	EASTING (X)	NORTHING (Y)	DESCRIPTION
U1	605935.78	5706636.47	LIMITS OF UPLANDS PAVING
U2	605942.54	5706627.61	"
U3	605991.83	5706546.61	LIMITS OF DREDGING DISPOSAL
U4	606021.34	5706511.61	LIMITS OF DREDGING DISPOSAL
U5	605993.12	5706490.08	""
U6	605938.01	5706536.22	""
U5	605976.45	5706489.34	""

GENERAL LEGEND

- ⊙1 — WHARF CONTROL POINT
- BH1 — APPROXIMATE BOREHOLE LOCATION
- DENOTES WATER LOT BOUNDARIES
- 0.00 — FINISH GRADE ELEVATIONS
- DENOTES NEW WORK
- DREDGING LIMITS

UPLANDS PAVING
- 40mm SURFACE COURSE
- 40mm BASE COURSE

CONCRETE DECK REPAIR
- DENOTES REPAIR IN EXISTING DECK AFTER TRENCHING FOR ELECTRICAL CONDUIT

DREDGING DISPOSAL
- MIN — EXTENTS OF DISPOSAL AREA FOR DREDGING MATERIAL MINIMUM AREA COVERAGE
- MAX — EXTENTS OF DISPOSAL AREA FOR DREDGING MATERIAL MAXIMUM AREA COVERAGE

SURVEY 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
- 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

SURVEY NOTES

SURVEY PARTY CHIEF EDDIE BEARNS
SURVEY VESSEL ALUMINUM BOAT
SURVEY DATE(S) JUNE 05,2009 & OCTOBER 04,2009

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 OCTOBER 2009

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
170026	605728.190	5706893.005		PROVINCIAL BRASS PLAQUE SET IN BEDROCK
170027	606000.060	5707150.814		PROVINCIAL BRASS PLAQUE SET IN BEDROCK
PWC 3-96	605908.065	5706645.815	+3.855 m	NAIL RAM-SET IN BEDROCK
PWC 1-2002	605934.147	5706576.481	+2.170 m	NAIL RAM-SET IN CONC. DECK

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO PWC 1-2002 ELEV. +2.17 m (NAIL RAMSET IN CONCRETE DECK) ESTABLISHED BY WATER LEVEL TRANSFER FROM CHS BM 3-1958 ELEV.+2.030 m LOCATED AT QUIRPON BY PWGSC SURVEY CREW.

SOUNDINGS TAKEN USING NAVISOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE DIFFERENTAL GPS POSITIONING SYSTEM ON JUNE 05,2009 & OCTOBER 04,2009 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 USING A DIGIBAR-PRO VELOCIMETER.

ALL FIELD NOTES ARE IN ST.LUNAIRE BOOK #254.

NEW SITE PLAN

SCALE : 1:300

0m 5m 10m 15m 20m 25m 30m

0 10 20mm 40 60 80 100 120 140 160 180 200mm

PWGSC B1 (2004)

E-DRM/GDD-E: 513844

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

STAMP: REGISTERED PROFESSIONAL ENGINEER — PEGNL Newfoundland and Labrador — LEE M. BENNETT — SIGNATURE — 15/03/23 — NEWFOUNDLAND & LABRADOR

PROVINCE OF NEWFOUNDLAND AND LABRADOR
PEGNL Newfoundland and Labrador — PERMIT HOLDER
This Permit Allows
Meridian Engineering Inc.
To practice Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by PEG N0453
which is valid for the year 2015.

E	RE-ISSUED FOR TENDER	15/03/23
D	ISSUED FOR TENDER	10/06/10
C	ISSUED FOR TENDER	10/05/21
B	ISSUED FOR 99% REVIEW	10/03/30
A	ISSUED FOR 50% REVIEW	10/01/12
revisions		date

project / projet

WHARF CONSTRUCTION ST. LUNAIRE, NL

drawing / dessin

NEW SITE PLAN

designed L. BENNETT — conçu
date JANUARY 2010
drawn C. HOBBS — dessiné
date JANUARY 2010
approved — approuvé
date
Tender — Soumission
PWGSC Project Manager — Administrateur de projets TPSGC
project number — no. du projet
R.076000.001
drawing no. — no. du dessin
C3 OF 13