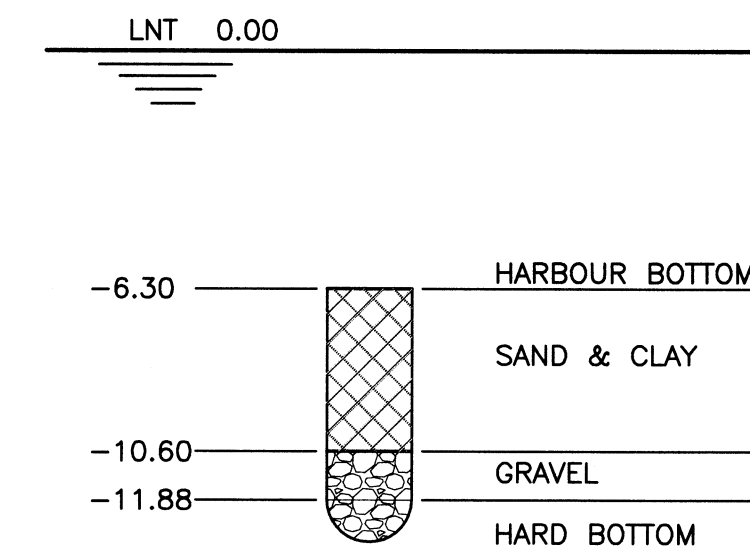


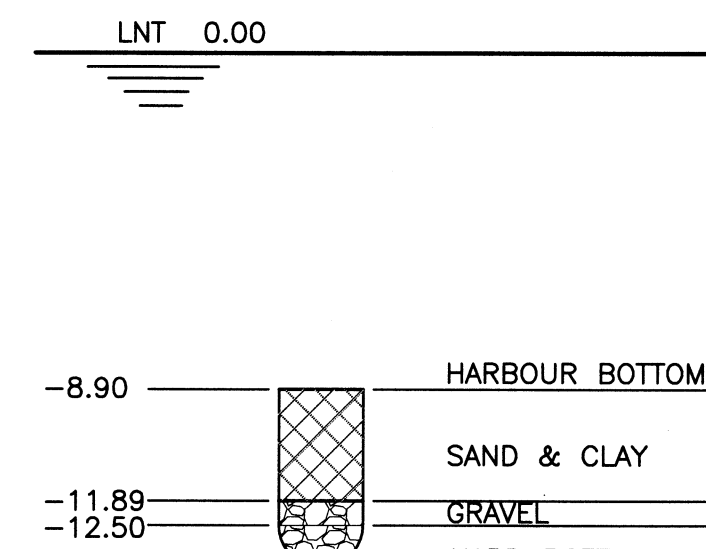
### BORE HOLE DATA

PUBLIC WORKS CANADA 1961

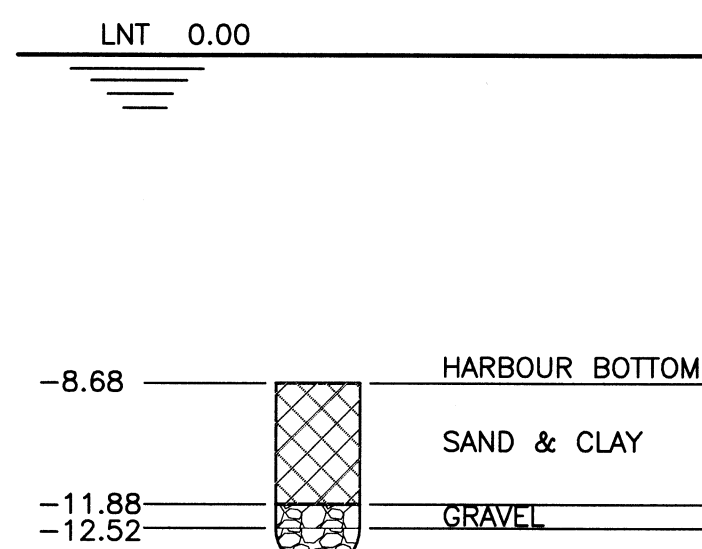
#### BORE HOLE #1



#### BORE HOLE #2



#### BORE HOLE #3



### SURVEY NOTES

SURVEY PARTY CHIEF RICHARD HEALEY  
SURVEY VESSEL ALUMINUM BOAT  
SURVEY DATE(S) JUNE 9, 2018  
SOUNDER TYPE SINGLE TRANSDUCER  
SOUNDER SETTING MIN/INST VEL. OF SOUND 1444 m/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

OFFICE PROCESSOR EDDIE BEARNS  
DATE OF PROCESSING JUNE 2018

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
	7906016	539481.042	5731508.881		PROVINCIAL BRASS PLAQUE SET IN BEDROCK
	PWC 1-2018	539297.366	5731425.514	+2.351m	FOUND IRON PIN SET IN CONCRETE DECK
	PWC 2-2018	539330.133	5731437.487	+3.350m	SPIKE IN PAVEMENT
	F.I.P. #2	539303.963	5731427.813	+2.330 m	NAIL SET IN CONCRETE DECK
	F.I.P. #3	539315.834	5731388.540	+2.420 m	NAIL SET IN CONCRETE DECK
	F.I.P. #4	539331.167	5731383.135	+2.480 m	NAIL SET IN CONCRETE DECK
	BM 1-1968	539334.534	5731435.307	+4.308 m	CHS BRASS PLAQUE SET IN BEDROCK

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO CHS BM 1-1968 ELEV. +4.308 m (BRASS PLAQUE SET IN BEDROCK)

SOUNDINGS TAKEN USING NAVISOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE R7 GNSS DIFFERENTIAL GPS POSITIONING SYSTEM ON JUNE 09, 2018 BY PWSC 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 USING A DIGIBAR-PRO VELOCIMETER.

ALL FIELD NOTES ARE IN FERRYLAND BOOK #314.

### GENERAL NOTES:

- ALL DIMENSIONS IN MILLIMETRES.
- ALL SOUNDINGS & ELEVATIONS IN METRES.

### LEGEND

- EXISTING GRADE ELEVATION
- INDICATES LOCATION OF EXISTING TYPE "A" CLEAT & BLOCK
- INDICATES LOCATION OF EXISTING TYPE "B1" MOORING CLEATS.
- INDICATES LOCATION OF EXISTING LADDERS
- INDICATES LOCATION OF EXISTING MOORING RINGS
- INDICATES EXISTING JIB CRANE CONCRETE BASE
- INDICATES AREA OF EXISTING CRIB WHARF TO BE DEMOLISHED
- INDICATES AREA OF EXISTING CONCRETE WHARF DECK TO BE REMOVED.
- INDICATES AREA OF EXISTING RIP-RAP
- EXISTING POWER POLE
- HORIZONTAL CONTROL
- RETAINING WALL

### EXISTING SITE PLAN

SCALE: 1:200

Fisheries and Oceans Canada  
Pêches et Océans Canada

**SMALL CRAFT HARBOURS**

PROVINCE OF NEWFOUNDLAND  
PERMIT HOLDER  
ANDERSON ENGINEERING CONSULTANTS LTD.  
To practice Professional Engineering  
in Newfoundland and Labrador  
Permit No. as issued by APECO, 20092,  
which is valid for the year 2018.

REGISTERED PROFESSIONAL ENGINEER  
W. J. ANDERSON  
2018

ISSUED FOR TENDER	25/09/18
revisions	date
project	project
<b>WHARF RECONSTRUCTION RED BAY, NL.</b>	
drawing	dessin
<b>EXISTING SITE PLAN, SOUNDINGS AND BORE HOLE DATA</b>	
designed W.J.ANDERSON	concor
date SEPT. 2018	
drawn R.S.H	dessine
date SEPT. 2018	
approved	approve
Tender Paul Curran	Soumission
DFO Project Manager	
project number	no. du projet
<b>722864</b>	
drawing no.	no. du dessin
<b>1 of 9</b>	