NOTES

SURVEY PARTY CHIEF EDDIE BEARNS
SURVEY VESSEL ALUMINUM BOAT
SURVEY DATE(S) MAY 08, 2012

SOUNDER TYPE SINGLE TRANSDUCER
SOUNDER SETTING MIN/INST **VEL OF SOUND** 1520 m/s
DEPTH GATE USED N/A **FREQ 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 MAY 2012

MODE OF PLOTTING LEAST OF MINIMUM DEPTHS
MATRIX CELL WIDTH x LENGTH
RESOLUTION OF MATRIX CELLS

CONTROL POINTS:

PL NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
7622624	610701.980	5200069.904		PROVINCIAL BRASS PLAQUE SET IN BEDROCK
7622626	611306.491	5199063.689		PROVINCIAL BRASS PLAQUE SET IN BEDROCK
PWC 1–95	610736.348	5199724.935		BOLT SET IN BEDROCK
PWC 2–95	611084.121	5199823.440	+4.662 m	I.P. DRIVEN IN GRAVEL
PWC 3–95	611148.020	5199738.264	+2.163 m	BOLT SET IN BEDROCK
PWC 4–95	611221.777	5200150.994		SPIKE IN PAVEMENT
BM 92F288	611002.710	5200192.300	+5.012 m	BRASS PLAQUE IN CONCRETE BRIDGE
PWC 9805	611085.137	5199742.545	+3.180 m	ANCHOR BOLT IN A CONCRETE BLOCK

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO GEODETIC BM 92F288 ELEV. +5.012 m (BRASS PLAQUE SET IN BRIDGE) USING 1.270 m AS THE DIFFERENCE BETWEEN GEODETIC DATUM & CHART DATUM ON MAY 10–11,1995 BY PWC SURVEY CREW.

NOTE: USED 1.27m AS THE DIFERENCE BETWEEN GEODETIC & CHART DATUMS.

SOUNDINGS TAKEN USING NAVISOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE DIFFERENTIAL GPS POSITIONING SYSTEM BETWEEN MAY 08,2012 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 USIND A DIGIBAR–PRO VELOCIMETER.

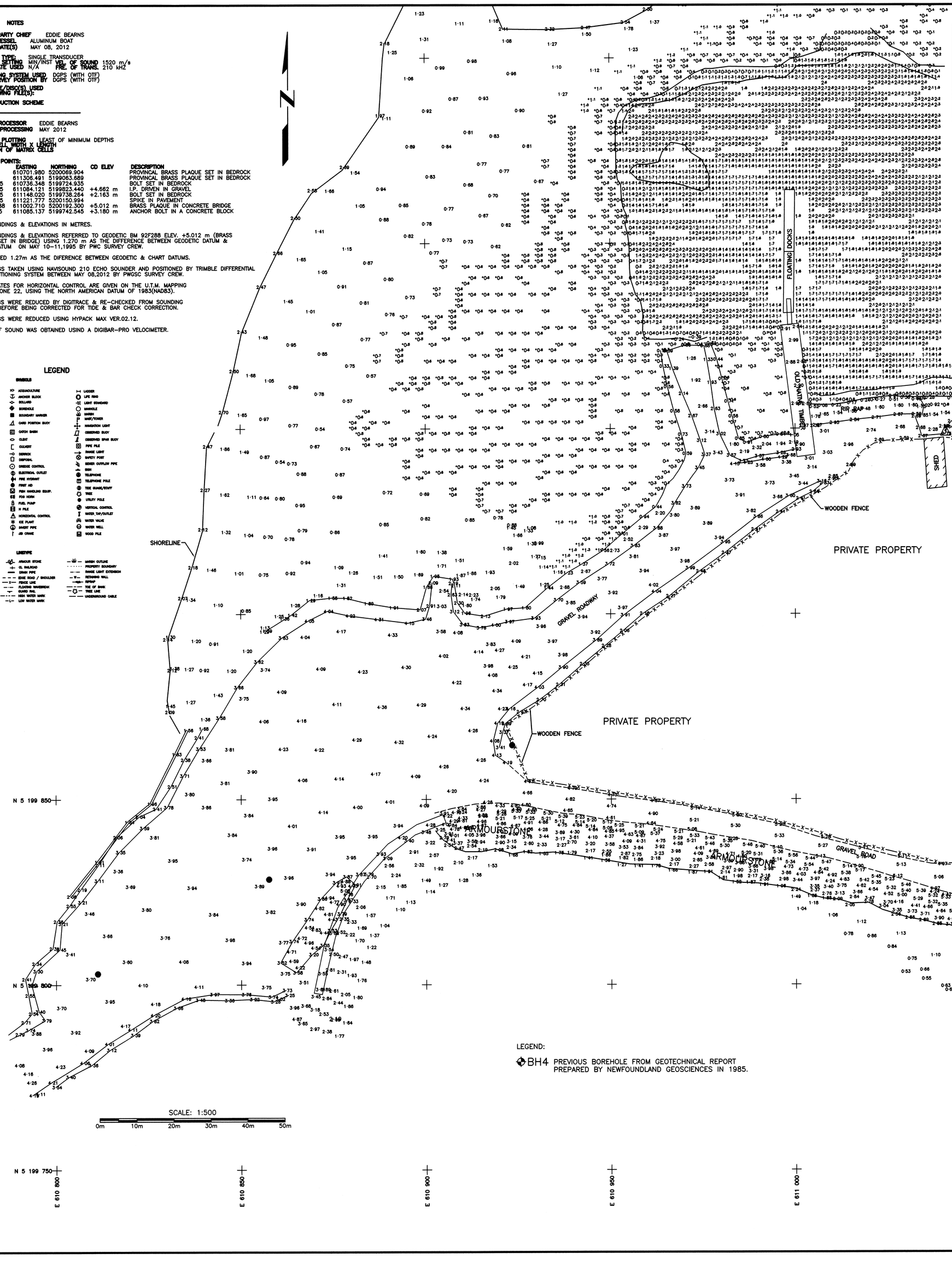
LEGEND

SYMBOLS

AQUACULTURE	LADDER
ANCHOR BLOCK	LIFE RING
BOLLARD	LIGHT STANDARD
BOREHOLE	MARKER
BOUNDARY MARKER	MISC. STONES
CARD POSITION BUOY	MOORING POWER
CAIRN	MUNICIPAL LIGHT
CLEAT	OBSERVING SPAR BUOY
CULVERT	PIPE PILE
DERRICK	RANGE LIGHT
DIRECTION	SAFETY POST
DREDGE CONTROL	SEWER OUTFALL PIPE
ELECTRICAL OUTLET	SIGN
FIRE HYDRANT	TELEPHONE
FIRST AID	TELEPHONE POLE
FIRE HANDLING EQUIP.	TIDE GAUGE/STAFF
FOG HORN	TREE
FUEL PUMP	UTILITY POLE
FLAG	VERTICAL CONTROL
HORIZONTAL CONTROL	WATER TAP/OUTLET
OIL BOOM	WATER VALVE
SMART PIPE	WATER WELL
JIB CRANE	WOOD PILE

LINESTYPE

ARMOUR STONE	MINOR OUTLINE
CL RAILROAD	PROPERTY BOUNDARY
DRAIN	RANGE LIGHT EXTENSION
EDGE ROAD / SHOULDER	RETAINING WALL
FENCE LINE	RIPRAP
FLOATING BREAKWATER	TOE OF BANK
GUARD RAIL	TREE LINE
HIGH WATER MARK	UNDERGROUND CABLE
LOW WATER MARK	



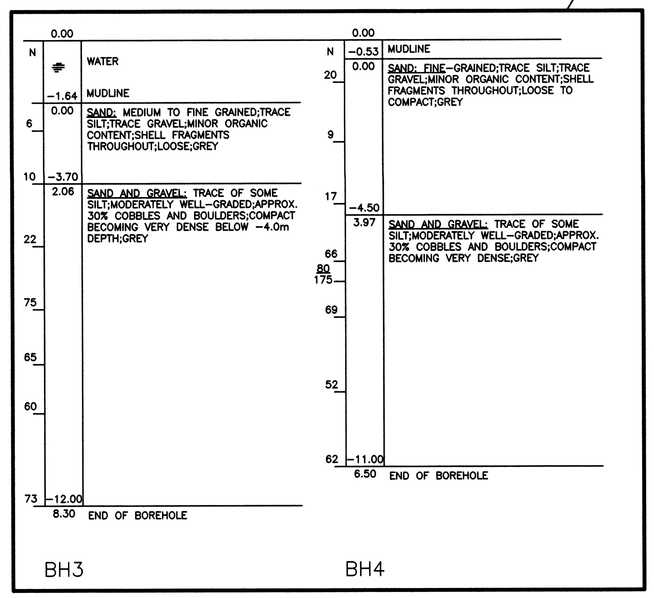
LEGEND:

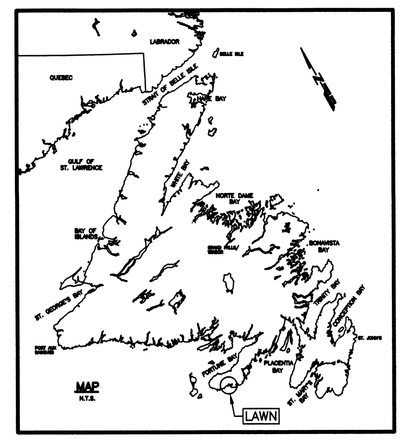
BH4 PREVIOUS BOREHOLE FROM GEOTECHNICAL REPORT PREPARED BY NEWFOUNDLAND GEOSCIENCES IN 1985.

SCALE: 1:500
0m 10m 20m 30m 40m 50m

PREVIOUS BOREHOLE DATA

SCALE: N.T.S.





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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
AFN ENGINEERING INC.
To practice Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by APEGNL P07288
which is valid for the year 2016

STAMP
REGISTERED PROFESSIONAL ENGINEER
NEIL C. HUNT
SIGNATURE
DATE 07/04/16
NEWFOUNDLAND & LABRADOR

C	ISSUED FOR TENDER	07/04/16
B	ISSUED FOR 99% REVIEW	05/07/16
A	ISSUED FOR REVIEW	12/28/15
revisions		date

project / projet
WHARF RECONSTRUCTION
LAWN, NL

drawing / dessin
SOUNDING AND TOPOGRAPHIC SURVEY

designed N.H. / concu
date JULY 4, 2016
drawn P.H. / dessine
date JULY 4, 2016
approved / approuve
Tender / Soumission
DFO Project Manager
project number / no. du projet **718889**
drawing no. / no. du dessin **C1**

Plot Scale: PLOT_SCALE