

NOTES

SURVEY PARTY CHIEF RICHARD HEALEY
SURVEY VESSEL ALUMINUM BOAT
SURVEY DATE(S) SEPTEMBER 28, 2016 - JANUARY 10, 2018

SAUNDER TYPE: SINGLE TRANSDUCER
SAUNDER SETTING MIN/INST VEL. OF SOUND 1460 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 JANUARY 2018

MODE OF PLOTTING LEAST OF MINIMUM DEPTHS
MATRIX CELL WIDTH X LENGTH
REDUCTION OF MATRIX CELLS

CONTROL POINTS:

PL NAME	NORTHING	EASTING	CD ELEV	DESCRIPTION
76C2656	639048.199	521061.3.086		PROVINCIAL BRASS PLAQUE IN BEDROCK
76C2657	638983.139	5210303.943		PROVINCIAL BRASS PLAQUE IN BEDROCK
PWC 1-86	638757.589	5210239.249	+3.567 m	NAIL RAM-SET IN CONCRETE DECK
BM 1-88	638700.679	5210209.191	+4.673 m	I.P. SET IN CONCRETE CYLINDER
PWC 1-2011	639590.413	521085.186	+8.335 m	BOLT CEMENTED IN CONCRETE BOLLARD
PWC 1-2009	638936.020	5210196.589		NAIL RAM-SET IN CONCRETE DECK

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO BM 1-88 ELEV. +4.673 m (I.P. SET IN CONCRETE CYLINDER) ESTABLISHED BY WATER LEVEL TRANSFER FROM CHS BM "VICK" ELEV. + 3.978 m LOCATED AT MARYSTOWN ON MARCH 25-26, 1988 BY PWGSC SURVEY CREW.

SOUNDINGS TAKEN USING NAVSOUND 210 ECHO SAUNDER AND POSITIONED BY TRIMBLE DIFFERENTIAL GPS POSITIONING SYSTEM ON JANUARY 10, 2018 BY PWGSC SURVEY CREW.

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

SOUNDINGS WERE REDUCED USING HYPACK MAX VER.2013"A"

SPEED OF SOUND WAS OBTAINED USING A DIGIBAR-PRO VELOCIMETER.

ALL FIELD NOTES ARE IN SHIP COVE (BURIN) BOOK #78.

LEGEND

SYMBOLS

- | | |
|----------------------|--------------------|
| ACQUACULTURE | LADDER |
| ANCHOR BLOCK | LIFE RING |
| BOLLARD | LIGHT STANDARD |
| BOREHOLE | MANHOLE |
| BOUNDARY MARKER | MARSH |
| CARD POSITION BUOY | MAST/TOWER |
| CATCH BASIN | NAVIGATION LIGHT |
| CLEAT | OBSERVED BUOY |
| CULVERT | OBSERVED SPAR BUOY |
| DERRICK | PIPE PILE |
| DISPOSAL | RANGE LIGHT |
| SEWER OUTFLOW PIPE | SAFETY POST |
| DREDGE CONTROL | SEWER OUTFLOW PIPE |
| ELECTRICAL OUTLET | SIGN |
| FIRE HYDRANT | TELEPHONE |
| FIRST AID | TELEPHONE POLE |
| FISH HANDLING EQUIP. | TIDE GAUGE/STAFF |
| FOG HORN | TREE |
| FUEL PUMP | UTILITY POLE |
| H PILE | VERTICAL CONTROL |
| HORIZONTAL CONTROL | WATER TAP/OUTLET |
| ICE PLANT | WATER VALVE |
| INVERT PIPE | WATER WELL |
| JIB CRANE | WOOD PILE |
| FLAG POLE | |

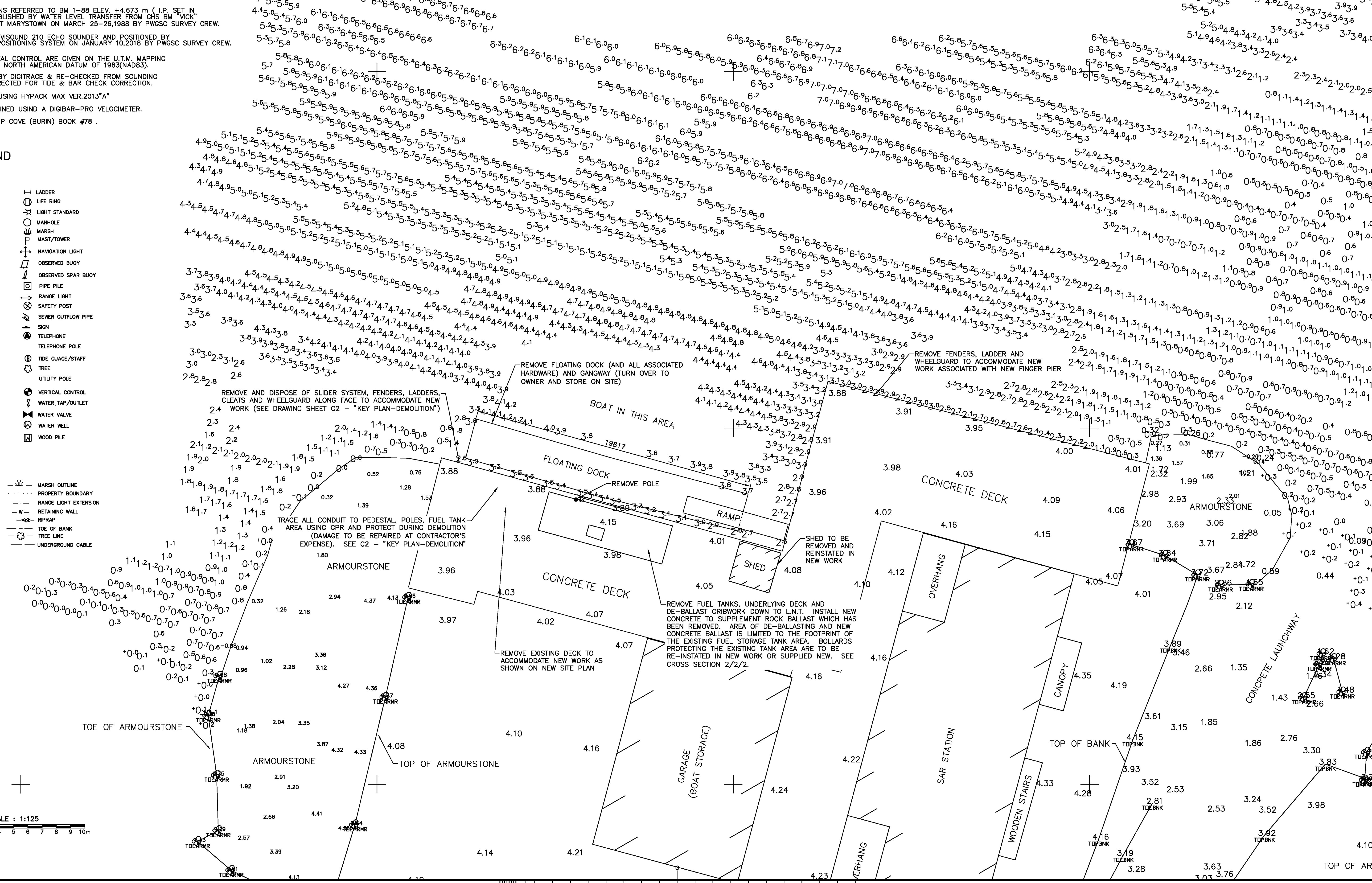
LINE TYPE

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

SCALE : 1:125

0m 1 2 3 4 5 6 7 8 9 10m

WATERS OF LITTLE BURIN HARBOUR



Public Works and Government Services Canada		Travaux Publics et Services gouvernementaux Canada			
PROVINCE OF NEWFOUNDLAND PERMIT HOLDER This Permit Allows APN ENGINEERING INC. To practice Professional Engineering, in Newfoundland and Labrador. <i>see also</i> Permit No. as issued by APENG. 10282, which is valid for the year 2022.					
STAMP REGISTERED PROFESSIONAL ENGINEER NEIL C. HUNT SIGNATURE DATE		STAMP REGISTERED PROFESSIONAL ENGINEER NEIL C. HUNT SIGNATURE DATE			
B		ISSUED FOR TENDER		11/8/21	
A		ISSUED FOR REVIEW		2/5/21	
revisions				date	
project CONSTRUCTION & REFURBISHMENT OF BAY CLASS SAR LIFEBOAT MARINE INFRASTRUCTURES BURIN, NL drawing desain					
drawing desain SOUNDING AND TOPOGRAPHIC SURVEY AND DEMOLITION PLAN					
designed N.H. conqru date NOVEMBER 8, 2021 drawn P.H. dessin date NOVEMBER 8, 2021 approved approved date Tender PWGSC Project Manager Administrateur de projets TPSCG project number no. du projet R.116548.001 drawing no. no. du dessin C1					