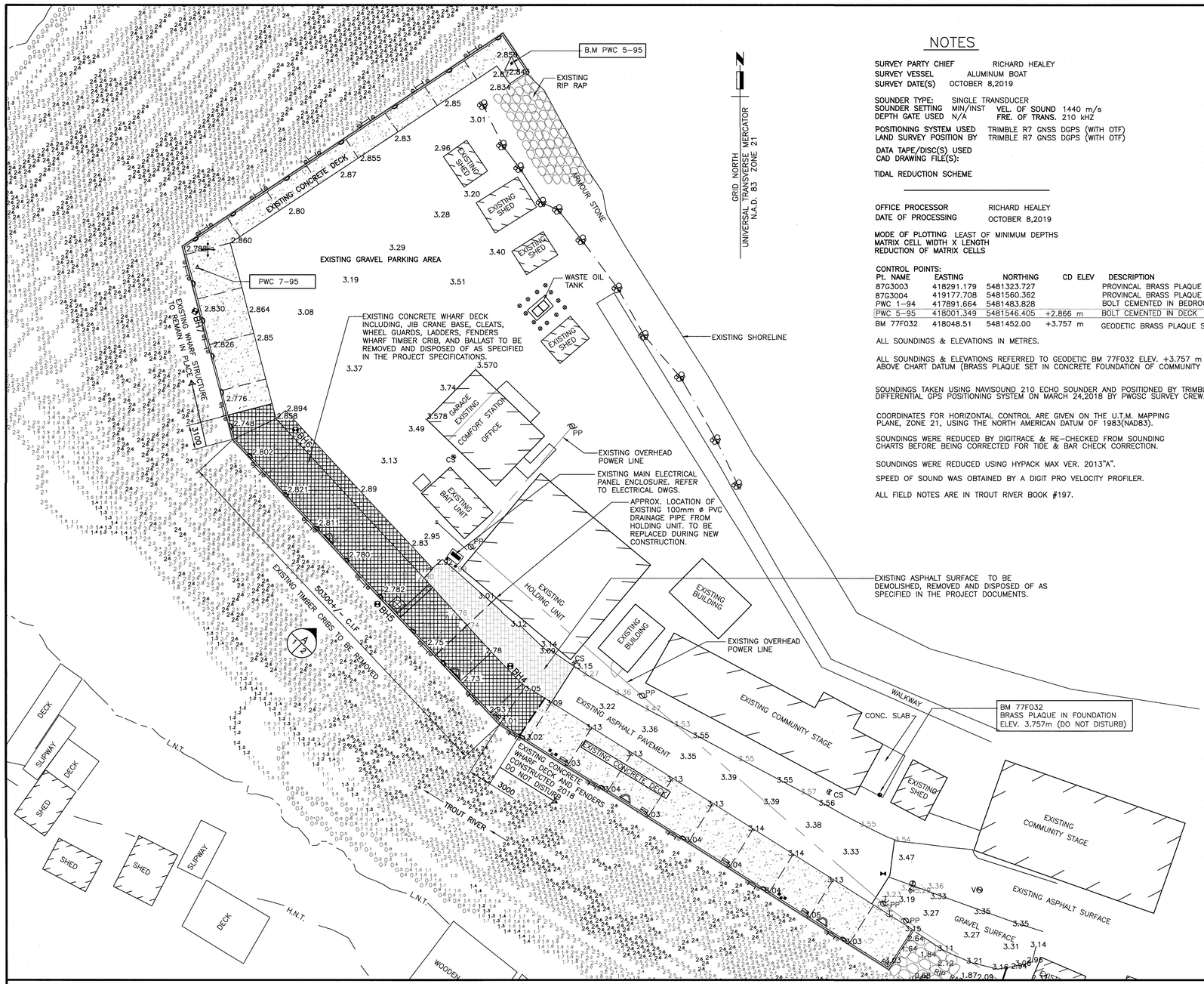


## NOTES

SURVEY PARTY CHIEF RICHARD HEALEY
SURVEY VESSEL ALUMINUM BOAT
SURVEY DATE(S) OCTOBER 8,2019

SOUNDER TYPE: SINGLE TRANSDUCER
SOUNDER SETTING MIN/INST VEL. OF SOUND 1440 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 RICHARD HEALEY
DATE OF PROCESSING OCTOBER 8,2019

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 |
|---|---|---|---|---|
| 87G3003 | 418291.179 | 5481323.727 | | PROVINCAL BRASS PLAQUE SET IN CONCRETE |
| 87G3004 | 419177.708 | 5481560.362 | | PROVINCAL BRASS PLAQUE SET IN CONCRETE |
| PWC 1-94 | 417891.664 | 5481483.828 | | BOLT CEMENTED IN BEDROCK |
| PWC 5-95 | 418001.349 | 5481546.405 | +2.866 m | BOLT CEMENTED IN DECK |
| BM 77F032 | 418048.51 | 5481452.00 | +3.757 m | GEODETIC BRASS PLAQUE SET IN CONCRETE |

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO GEODETIC BM 77F032 ELEV. +3.757 m ABOVE CHART DATUM (BRASS PLAQUE SET IN CONCRETE FOUNDATION OF COMMUNITY STAGE).

SOUNDINGS TAKEN USING NAVISOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE R7 GNSS DIFFERENTIAL GPS POSITIONING SYSTEM ON MARCH 24,2018 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 BY A DIGIT PRO VELOCITY PROFILER.

ALL FIELD NOTES ARE IN TROUT RIVER BOOK #197.

## LEGEND

- 3.258 EXISTING GRADE ELEVATION
- INDICATES LOCATION OF EXISTING TYPE 'A' MOORING CLEATS.
- INDICATES LOCATION OF EXISTING TYPE 'B1' MOORING CLEATS.
- INDICATES LOCATION OF EXISTING LADDERS AND MOORING RINGC
- INDICATES EXISTING ELECTRICAL PEDESTAL
- INDICATES EXISTING JIB CRANE CONCRETE BASE
- INDICATES AREA OF EXISTING MARGINAL WHARF REINFORCED CONCRETE DECK
- INDICATES AREA OF EXISTING MARGINAL WHARF WHERE REINFORCED CONCRETE DECK IS TO BE REMOVED.
- INDICATES AREA WHERE EXISTING ASPHALT SURFACE IS TO BE REMOVE.D
- INDICATES AREA OF EXISTING RIP-RAP
- PP EXISTING HYDRO POLE
- EXISTING NAVIGATION LIGHT
- V INDICATES LOCATION WATER VALVE
- CS INDICATES LOCATION SERVICE CURB STOP
- EXISTING FIRE HYDRANT
- HORIZONTAL CONTROL
- VERTICAL CONTROL
- — W — RETAINING WALL
- RIPRAP
- BH#1 INDICATES BORE HOLE LOCATIONS

## EXISTING SITE PLAN

SCALE : 1:250

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

BORE HOLES ARE REFERENCED FROM DRAWING 1 OF 4, PN:# 322202 , DATED AUG. 1984. (AS BUILT)

### BOLE HOLE #4

| Elev. | Description |
|---|---|
| 2.77 | TOP OF DECK |
| 2.57 | DECKING |
| 0.00 | |
| 0.90 | SILTY SAND, SOME GRAVEL |
| 2.00 | |
| 4.00 | |
| 6.00 | SAND, GRAVEL, SMALL BOULDERS |
| 8.00 | |
| 10.00 | |
| 10.70 | |
| 12.20 | BEDROCK (SHALE) |

### BOLE HOLE #5

| Elev. | Description |
|---|---|
| 0.00 | |
| 0.99 | START OF BORE HOLE |
| 2.44 | SILTY SAND |
| 4.00 | |
| 6.00 | SAND, GRAVEL, SMALL BOULDERS |
| 8.00 | |
| 10.00 | |
| 11.44 | BEDROCK (SHALE) |
| 13.00 | |

### BOLE HOLE #6

| Elev. | Description |
|---|---|
| 2.66 | TOP OF DECK |
| 2.40 | DECKING |
| 1.80 | (LEFT BLANK)(ROCK FILL) |
| 0.00 | SILTY SAND |
| 2.00 | |
| 4.00 | SAND, GRAVEL, SMALL BOULDERS |
| 6.00 | |
| 7.40 | BEDROCK (SHALE) |
| 8.90 | |

### BOLE HOLE #7

| Elev. | Description |
|---|---|
| 0.00 | LNT |
| 0.08 | START OF BORE HOLE |
| 1.90 | SILTY SAND |
| 7.80 | SAND, GRAVEL, SMALL BOULDERS |
| 9.90 | |
| 11.44 | BEDROCK (SHALE) |

Plot Scale: 1:1

PWGSC B1

Fisheries and Oceans Canada / Pêches et Océans Canada

SMALL CRAFT HARBOURS

PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
This Permit Allows
ANDERSON ENGINEERING CONSULTANTS LTD.
To practice Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by APEGN, R0092
which is valid for the year 2020

REGISTERED PROFESSIONAL ENGINEER
W. J. ANDERSON
SIGNATURE
DATE
PROVINCE OF NEWFOUNDLAND

| revisions | | date |
|---|---|---|
| 0 | ISSUED FOR TENDER | 17/03/20 |

project / projet
WHARF RECONSTRUCTION TROUT RIVER, NL.

drawing / dessin
EXISTING SITE PLAN, SOUNDINGS AND BORE HOLE DATA

designed W.J.ANDERSON concu
date MARCH 2020
drawn R.S.H dessine
date MARCH 2020
approved approuve
date
Tender Soumission
DFO Project Manager
project number / no. du projet 723199
drawing no. / no. du dessin 1 of 9

EDRM Document No. Not in System