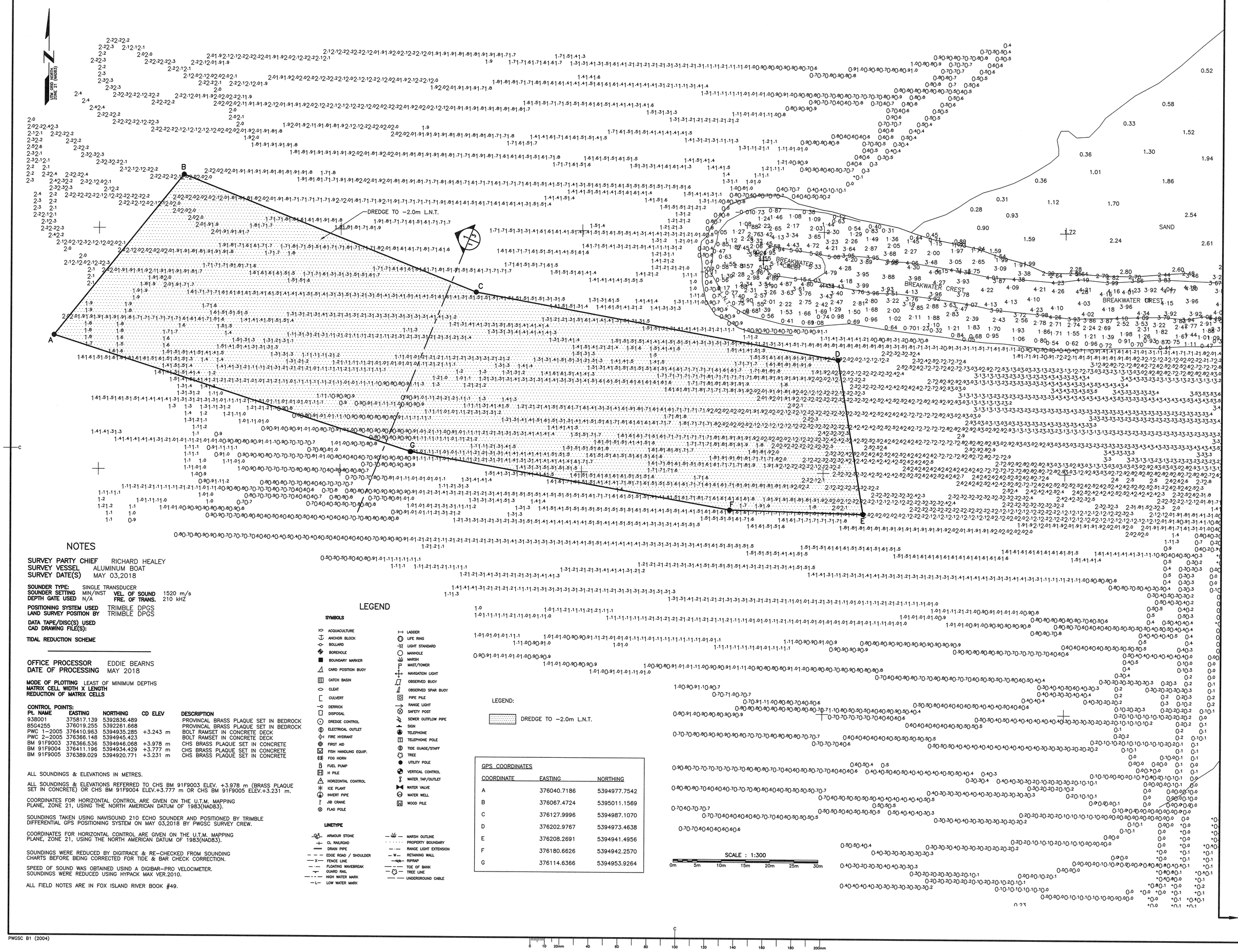
MATCH LINE



NOTES

SURVEY PARTY CHIEF RICHARD HEALEY
SURVEY VESSEL ALUMINUM BOAT
SURVEY DATE(S) MAY 03,2018

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 TRIMBLE DPGS
LAND SURVEY POSITION BY TRIMBLE DPGS

DATA TAPE/DISC(S) USED
CAD DRAWING FILE(S):

TIDAL REDUCTION SCHEME

OFFICE PROCESSOR EDDIE BEARNS
DATE OF PROCESSING MAY 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
938001	375817.139	5392836.489		PROVINCAL BRASS PLAQUE SET IN BEDROCK
8504255	376019.255	5392261.668		PROVINCAL BRASS PLAQUE SET IN BEDROCK
PWC 1−2005	376410.963	5394935.285	+3.243 m	BOLT RAMSET IN CONCRETE DECK
PWC 2−2005	376366.148	5394945.423		BOLT RAMSET IN CONCRETE DECK
BM 91F9003	376366.536	5394946.068	+3.978 m	CHS BRASS PLAQUE SET IN CONCRETE
BM 91F9004	376411.196	5394934.429	+3.777 m	CHS BRASS PLAQUE SET IN CONCRETE
BM 91F9005	376389.029	5394920.771	+3.231 m	CHS BRASS PLAQUE SET IN CONCRETE

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO CHS BM 91F9003 ELEV. +3.978 m (BRASS PLAQUE SET IN CONCRETE) OR CHS BM 91F9004 ELEV.+3.777 m OR CHS BM 91F9005 ELEV.+3.231 m.

COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING PLANE, ZONE 21, USING THE NORTH AMERICAN DATUM OF 1983(NAD83).

SOUNDINGS TAKEN USING NAVISOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE DIFFERENTIAL GPS POSITIONING SYSTEM ON MAY 03,2018 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.

SPEED OF SOUND WAS OBTAINED USIND A DIGIBAR−PRO VELOCIMETER.
SOUNDINGS WERE REDUCED USING HYPACK MAX VER.2010.

ALL FIELD NOTES ARE IN FOX ISLAND RIVER BOOK #49.

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
- FLAG POLE
- 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

LEGEND:

DREDGE TO −2.0m L.N.T.

GPS COORDINATES

COORDINATE	EASTING	NORTHING
A	376040.7186	5394977.7542
B	376067.4724	5395011.1569
C	376127.9996	5394987.1070
D	376202.9767	5394973.4638
E	376208.2691	5394941.4956
F	376180.6626	5394942.2570
G	376114.6366	5394953.9264

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)

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

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 F0292 which is valid for the year 2018.

STAMP
REGISTERED PROFESSIONAL ENGINEER
NEIL C. HUNT
SIGNATURE
DATE 7/13/18
NEWFOUNDLAND & LABRADOR

A	ISSUED FOR TENDER	7/13/18
revisions		date

project / projet

CHANNEL RE−DREDGING
FOX ISLAND RIVER, NL

drawing / dessin

SITE PLAN
SHEET 1

designed N.H. / conçu
date JULY 13, 2018
drawn P.H. / dessiné
date JULY 13, 2018
approved / approuvé
date
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC 20 May 18

project number / no. du projet
R.100117.001

drawing no. / no. du dessin
C1

E−DRM/GDD−E: 552786