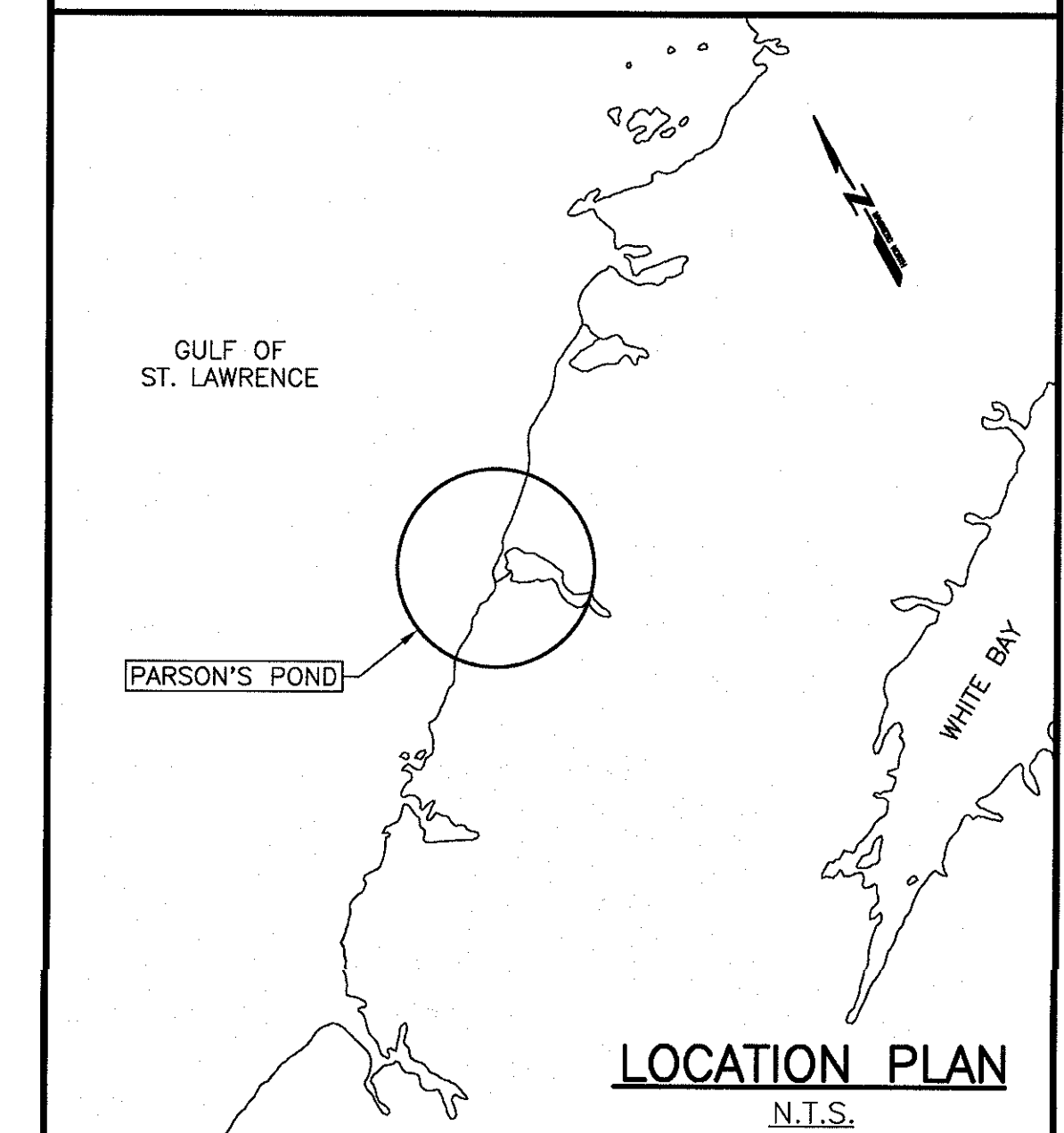
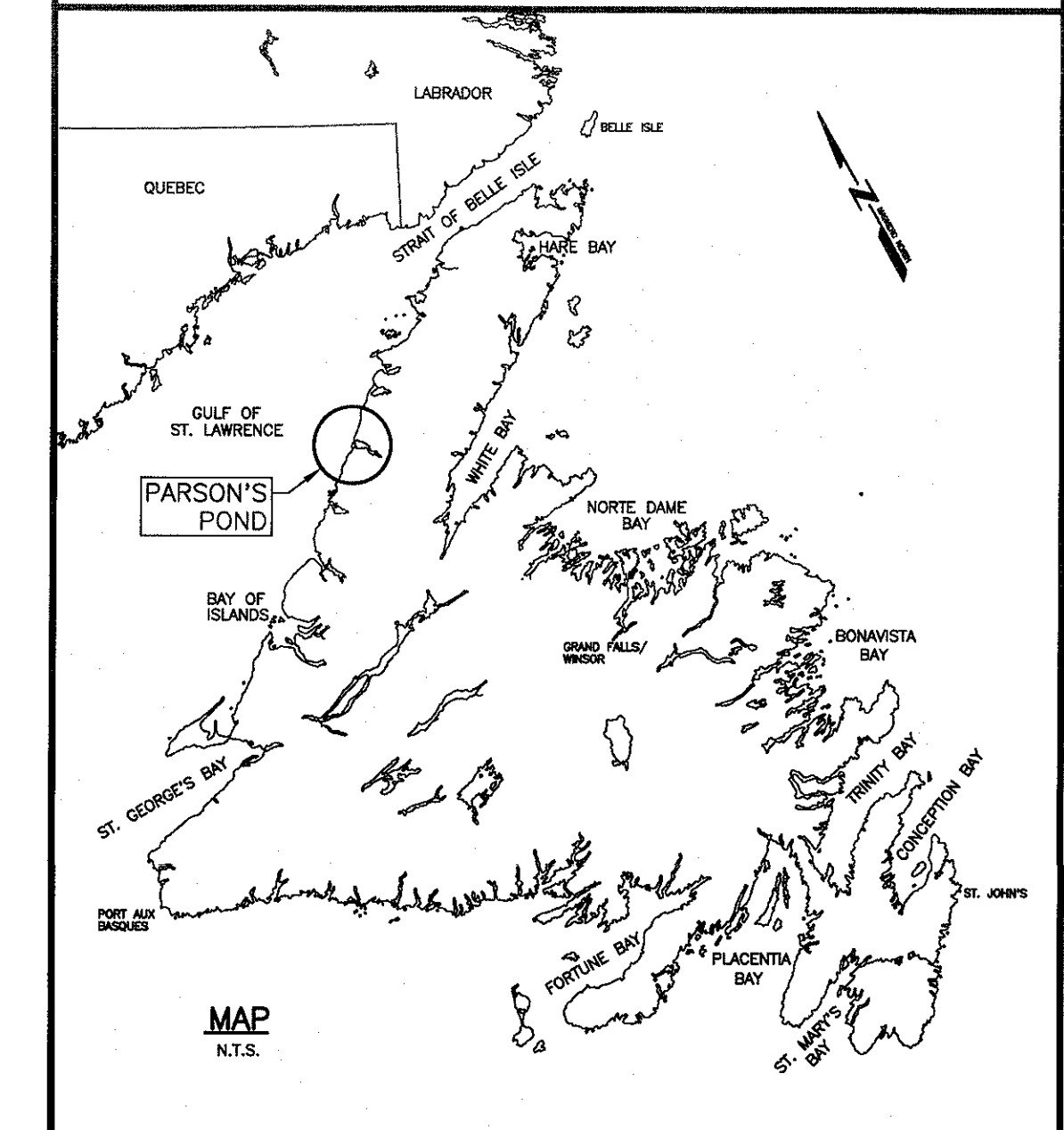
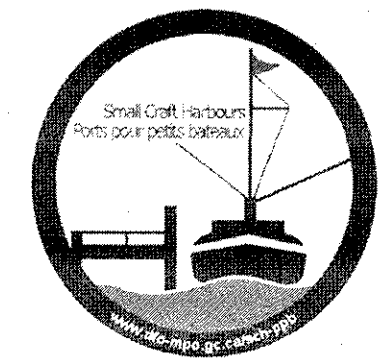


FISHERIES AND OCEANS
CANADA

SHORELINE PROTECTION
PARSON'S POND
NEWFOUNDLAND AND LABRADOR

PROJECT No. 722613
ISSUED FOR TENDER

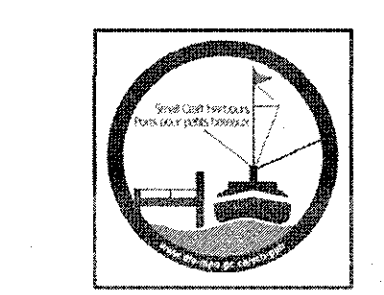
SMALL CRAFT HARBOURS



LIST OF DRAWINGS:

C1 OF 3	SOUNDING AND TOPOGRAPHIC SURVEY
C2 OF 3	NEW SITE PLAN
C3 OF 3	SECTIONS

SMALL CRAFT HARBOURS



NOTES:
 1. ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.
 2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

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PERMIT HOLDER
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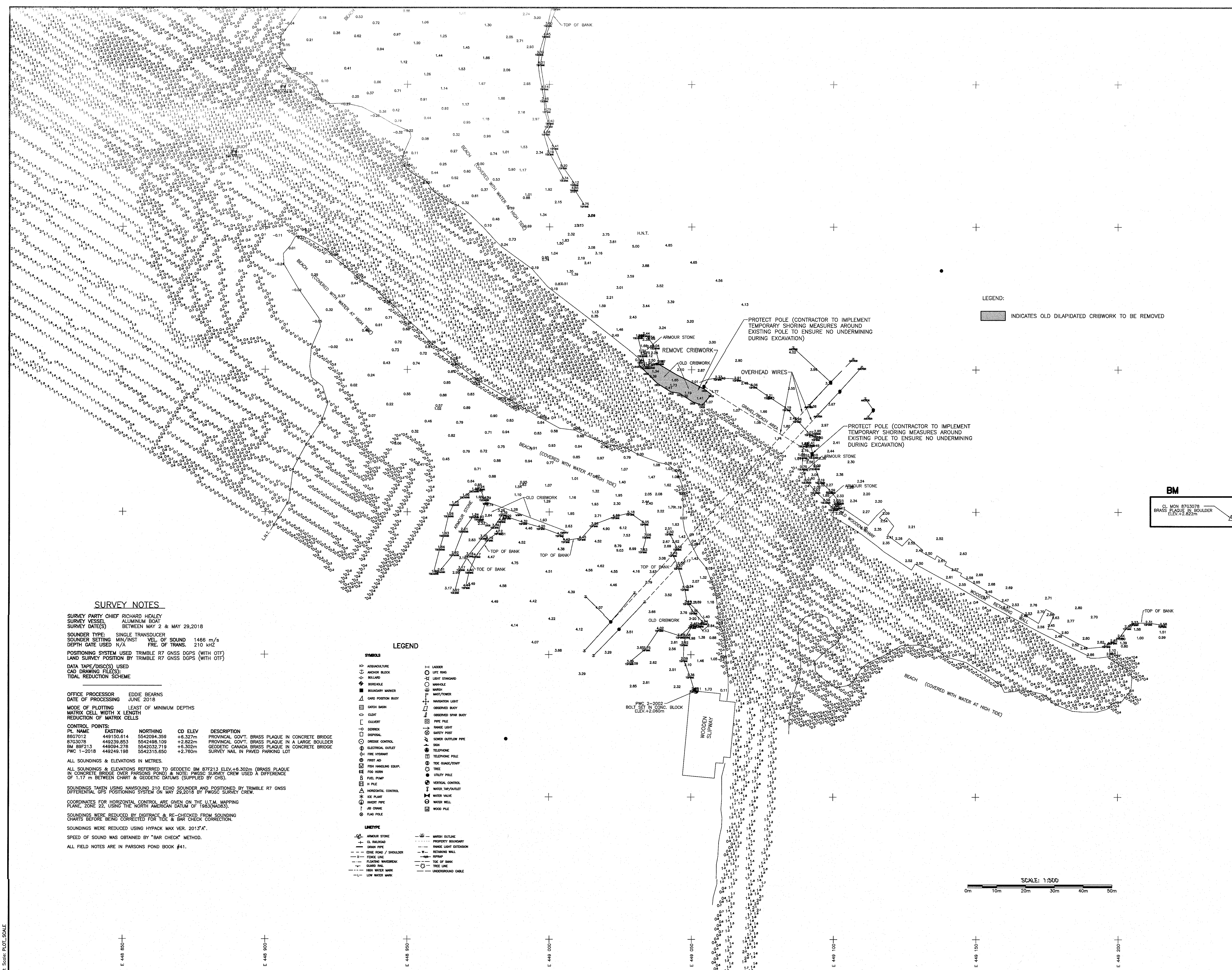
REGISTERED PROFESSIONAL ENGINEER
 NEIL C. HEUT
 SIGNATURE 7/24/18
 NEWFOUNDLAND & LABRADOR

B	ISSUED FOR TENDER	7/24/18
A	ISSUED FOR REVIEW	7/17/18
revisions	date	date
project	project	project

SHORELINE PROTECTION
 PARSON'S POND, NL

SOUNDING AND TOPOGRAPHIC SURVEY

designed	N.H.	concu
date	JULY 24, 2018	
drawn	P.H.	dessine
date	JULY 24, 2018	
approved		approve
Tender	<i>Paul Parson</i>	Submission
DFO Project Manager		
project number	722613	no. du projet
drawing no.	C1	no. du dessin



LEGEND:
 [Symbol] INDICATES OLD DILAPIDATED CRIBWORK TO BE REMOVED

SURVEY NOTES

SURVEY PARTY CHIEF RICHARD HEALEY
 SURVEY VESSEL ALUMINUM BOAT
 SURVEY DATE(S) BETWEEN MAY 2 & MAY 29, 2018
 SOUNDER TYPE: SINGLE TRANSDUCER
 SOUNDER SETTING MIN/INST VEL OF SOUND 1468 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

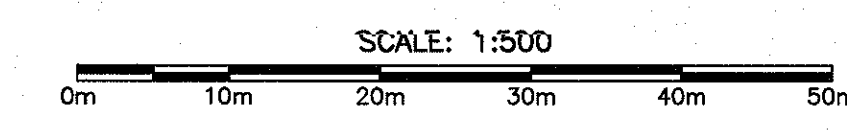
CONTROL POINTS	PL. NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
	867012	449150.614	5542094.359	+6.327m	PROVINCIAL GOVT. BRASS PLAQUE IN CONCRETE BRIDGE
	8763078	448239.853	5542498.109	+2.822m	PROVINCIAL GOVT. BRASS PLAQUE IN A LARGE BOULDER
	BM 897213	448094.278	5542032.719	+6.302m	GEODETTIC CANADA BRASS PLAQUE IN CONCRETE BRIDGE
	FWC 1-2018	448249.198	5542315.650	+2.760m	SURVEY NAIL IN PAVED PARKING LOT

ALL SOUNDINGS & ELEVATIONS IN METRES.
 ALL SOUNDINGS & ELEVATIONS REFERRED TO GEODETTIC BM 876213 ELEV.+6.302m (BRASS PLAQUE IN CONCRETE BRIDGE OVER PARSONS POND) & NOTE: PWSSC SURVEY CREW USED A DIFFERENCE OF 1.17 m BETWEEN CHART & GEODETTIC DATUMS (SUPPLIED BY CHS).
 SOUNDINGS TAKEN USING NAVSOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE R7 GNSS DIFFERENTIAL GPS POSITIONING SYSTEM ON MAY 29, 2018 BY PWSSC SURVEY CREW.
 COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE UTM 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. 2013A.
 SPEED OF SOUND WAS OBTAINED BY "BAR CHECK" METHOD.
 ALL FIELD NOTES ARE IN PARSONS POND BOOK #41.

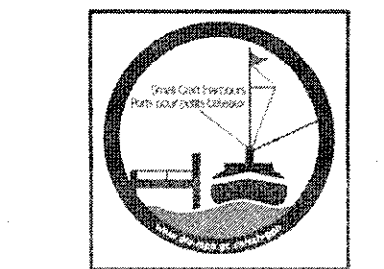
LEGEND

- | | |
|--|---|
| <ul style="list-style-type: none"> ○ AQUACULTURE △ ANCHOR BLOCK □ BULKHEAD ◆ BULKHEAD ◇ BULKHEAD ■ BOUNDARY MARKER ▲ CARD POSITION BUOY □ CATCH BASIN □ CLEAT ○ CULVERT ○ DEROSK ○ DISPOSAL ○ DREDGE CONTROL ○ ELECTRICAL OUTLET ○ FIRE HYDRANT ○ FIRST AID ○ FISH HANDLING EQUIP. ○ FOG HORN ○ FUEL PUMP ○ H PILE ○ HORIZONTAL CONTROL ○ ICE PLANT ○ MERT PIPE ○ MERT PUMP ○ FLAG PILE | <ul style="list-style-type: none"> ○ LADDER ○ LIFE RING ○ LIGHT EDWARDS ○ MARSH ○ MARSH/TOWER ○ OBSERVED BUOY ○ OBSERVED SPAN BUOY ○ PIPE PILE ○ RANGE LIGHT ○ SAFETY POST ○ SEWER OUTFLOW PIPE ○ SIGN ○ TELEPHONE POLE ○ TELEPHONE POLE ○ TIDE GAUGE/STAFF ○ TIDE ○ UTILITY POLE ○ VERTICAL CONTROL ○ WATER WALK ○ WATER WELL ○ WOOD PILE |
|--|---|

- LINE TYPE**
- ARMOUR STONE
 - CL. BULKHEAD
 - CONN. PIPE
 - EDGE ROAD / SHOULDER
 - FENCE LINE
 - FLOODING BREAKER
 - GUARD RAIL
 - HIGH WATER MARK
 - LOW WATER MARK
 - MARSH OUTLINE
 - PROPERTY BOUNDARY
 - RANGE LIGHT EXTENSION
 - RETAINING WALL
 - RIPRAP
 - TIDE OF BANK
 - TREE LINE
 - UNDERGROUND CABLE



SMALL CRAFT HARBOURS



NOTES:
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 2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

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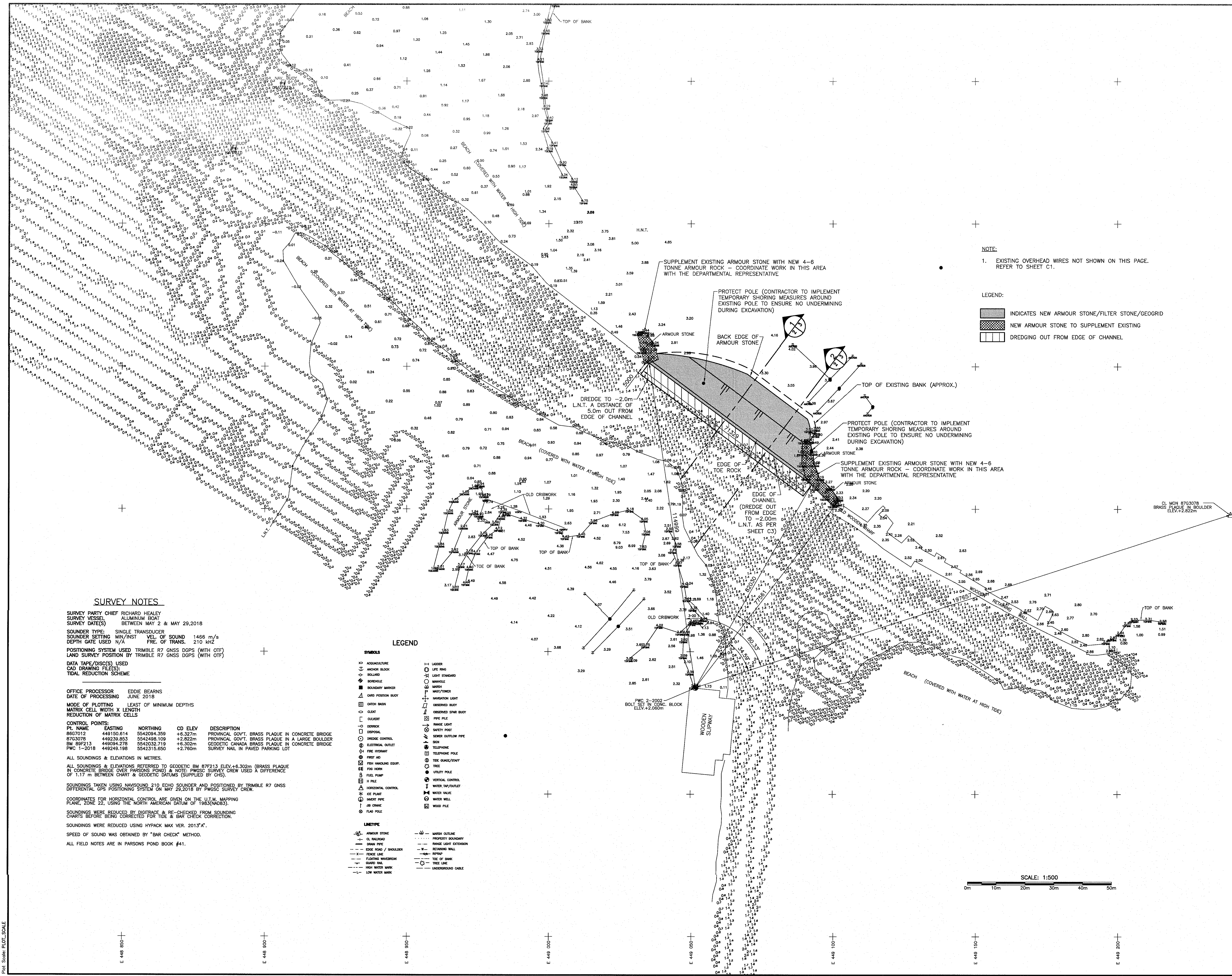
STAMP
 PROFESSIONAL ENGINEER
 NEIL C. HUNT
 EXPIRES 7/24/18
 DATE

B	ISSUED FOR TENDER	7/24/18
A	ISSUED FOR REVIEW	7/17/18
revisions		date
project		project

SHORELINE PROTECTION
 PARSON'S POND, NL

NEW SITE PLAN

designed	N.H.	concur
date	JULY 24, 2018	
drawn	P.H.	designe
date	JULY 24, 2018	
approved		approve
Tender	Paul Curran	Submission
DFO Project Manager		
project number	722613	no. du projet
drawing no.	C2	no. du dessin



NOTE:
 1. EXISTING OVERHEAD WIRES NOT SHOWN ON THIS PAGE. REFER TO SHEET C1.

LEGEND:
 [Pattern] INDICATES NEW ARMOUR STONE/FILTER STONE/GEGRID
 [Pattern] NEW ARMOUR STONE TO SUPPLEMENT EXISTING
 [Pattern] DREDGING OUT FROM EDGE OF CHANNEL

SURVEY NOTES

SURVEY PARTY CHIEF RICHARD HEALEY
 SURVEY VESSEL ALUMINUM BOAT
 SURVEY DATE(S) BETWEEN MAY 2 & MAY 29, 2018
 SOUNDER TYPE SINGLE TRANSDUCER
 SOUNDER SETTING MIN/INST VEL. OF SOUND 1466 m/s
 DEPTH GATE USED N/A FREQ. OF TRANS. 210 KHZ
 POSITIONING SYSTEM USED TRIMBLE R7 GNSS DGPS (WITH OIT)
 LAND SURVEY POSITION BY TRIMBLE R7 GNSS DGPS (WITH OIT)
 DATA TAPE/DISC(S) USED
 CAD DRAWING FILE(S)
 TIDAL REDUCTION SCHEME

OFFICE PROCESSOR EDDIE BEARNS
 DATE OF PROCESSING JUNE 2018
 MODE OF PLOTTING EAST OF MINIMUM DEPTHS
 MATRIX CELL WIDTH X LENGTH
 REDUCTION OF MATRIX CELLS

CONTROL POINTS:

PL. NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
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8763078	448239.853	5542488.109	+2.822m	PROVINCIAL GOV'T. BRASS PLAQUE IN A LARGE BOULDER
BM 897215	448094.278	5542032.719	+6.302m	GEODETIC CANADA BRASS PLAQUE IN CONCRETE BRIDGE
FWC 1-2018	448243.198	5542315.620	+2.750m	SURVEY MARK IN PAVED PARKING LOT

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COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING PLANE, ZONE 22, USING THE NORTH AMERICAN DATUM OF 1983 (NAD83).

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SOUNDINGS WERE REDUCED USING HYPACK MAX VER. 2013A.
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ALL FIELD NOTES ARE IN PARSONS POND BOOK #41.

LEGEND

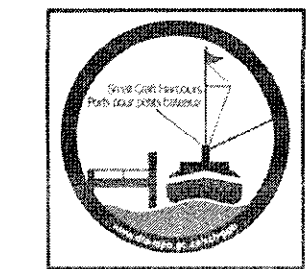
- SYMBOLS
- ANCHOR BLOCK
 - ROLLAWAY
 - BOULDER
 - BOYSKOLE
 - MARKER
 - MAST/TOWER
 - CARD POSITION BODY
 - DATA BATHY
 - CLUMP
 - CLUST
 - CLUSTRT
 - CONTRCK
 - DISPOSAL
 - DREDGE CONTROL
 - ELECTRICAL OUTLET
 - FIRE HYDRANT
 - FRESH AIR
 - FISH HANDLING EQUIP.
 - FISH WARE
 - FUEL PUMP
 - H PILE
 - HORIZONTAL CONTROL
 - ICE PLANT
 - ICE SHED
 - WATER WELL
 - WOOD PILE

- LINE TYPE
- ARMOUR STONE
 - CL RAILROAD
 - SEWER PIPE
 - EDGE ROAD / SHOULDER
 - FENCE LINE
 - FLOORING INTERSECT
 - GUARD RAIL
 - HIGH WATER MARK
 - LOW WATER MARK

- LAZAR
- LIFE RING
- LIGHT STANDARD
- MANHOLE
- NAVIGATION LIGHT
- OBSERVED SPARE BODY
- PIPE PILE
- RANGE LIGHT
- SAFETY POST
- SEWER OUTFLOW PIPE
- SOB
- TELEPHONE
- TELEPHONE POLE
- TIDE GAUGE/STAFF
- TRIE
- UTILITY POLE
- VERTICAL CONTROL
- WATER TAP/OUTLET
- WATER VALVE
- WATER WELL
- WOOD PILE

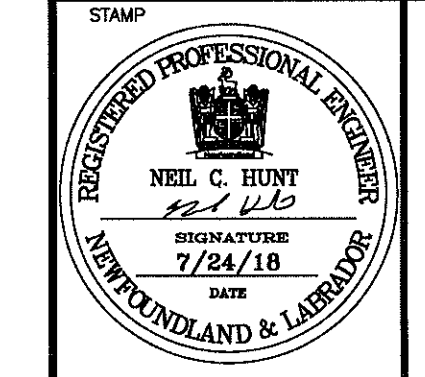
- WASH OUTLINE
- PROPERTY BOUNDARY
- RANGE LIGHT OBSTRUCTION
- REMAINING WALL
- RIPRAP
- TIE OF BANK
- TREE LINE
- UNDERGROUND CABLE

SMALL CRAFT HARBOURS



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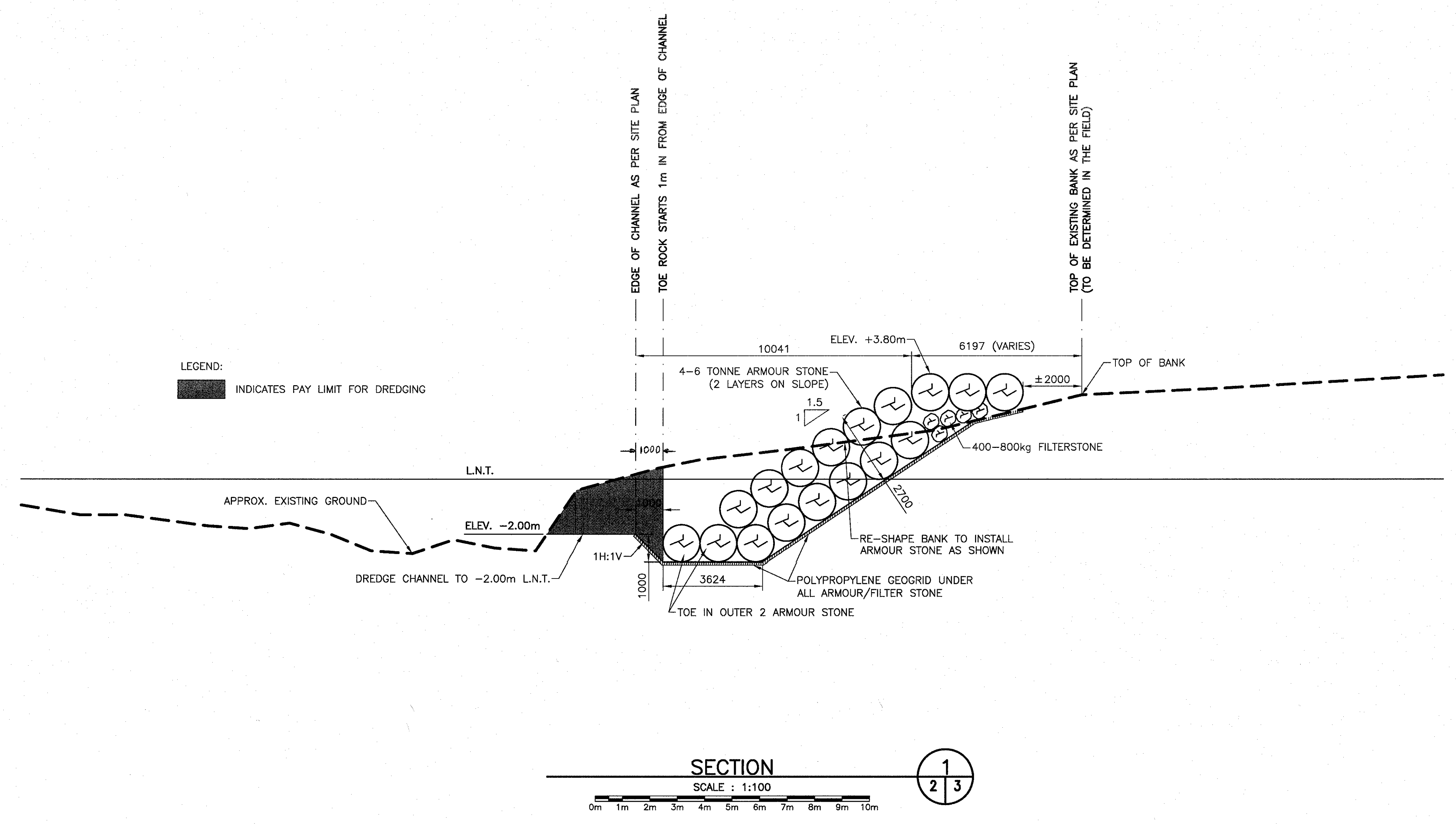
B	ISSUED FOR TENDER	7/24/18
A	ISSUED FOR REVIEW	7/17/18
revisions		date
project		project

SHORELINE PROTECTION
 PARSON'S POND, NL

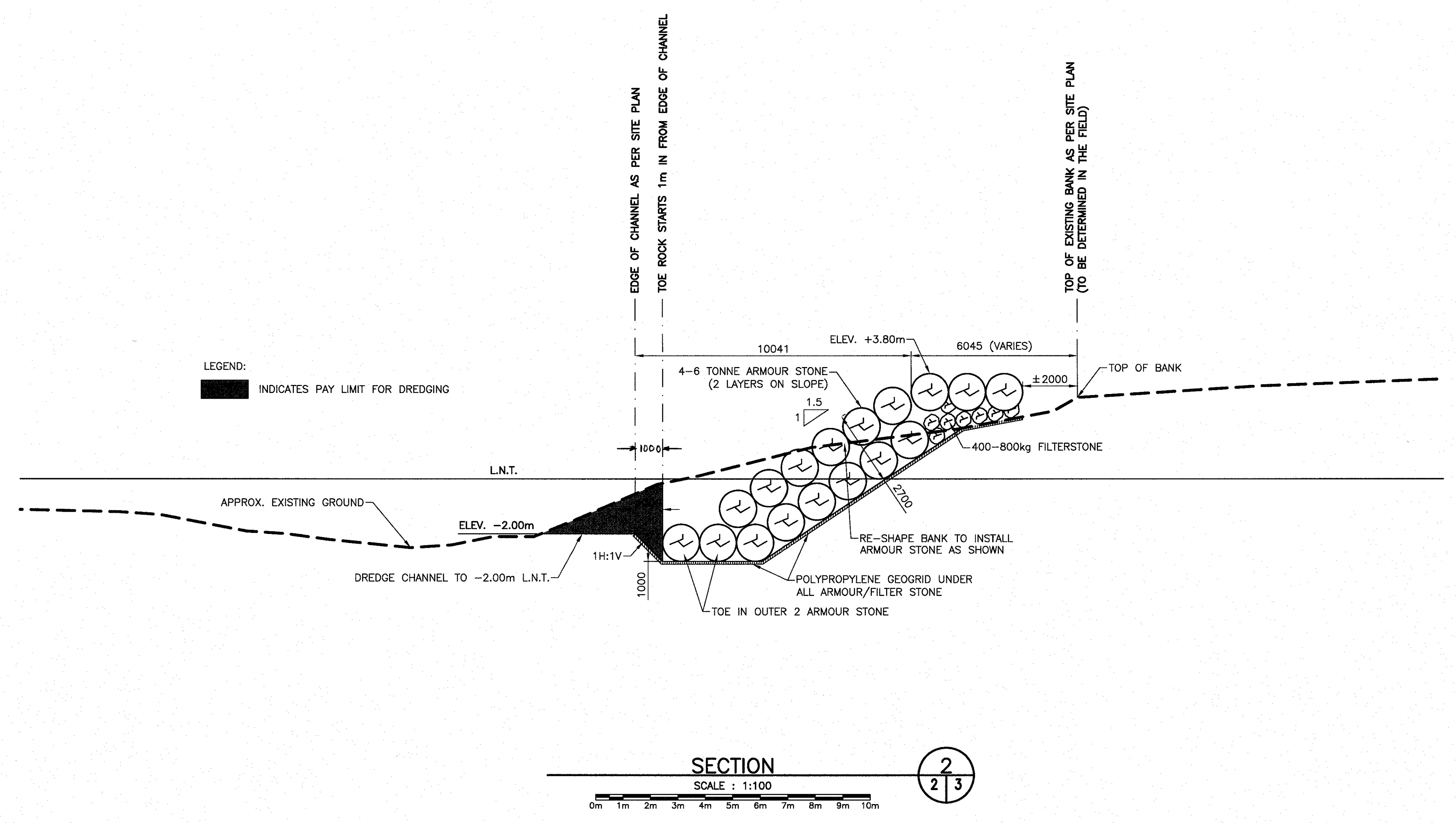
drawing dessin

SECTIONS

designed	N.H.	conçu
date	JULY 24, 2018	
drawn	P.H.	dessiné
date	JULY 24, 2018	
approved		approuvé
Tender	Paul Parson	Submission
DFO Project Manager		
project number	722613	no. du projet
drawing no.	C3	no. du dessin



SECTION 1
 SCALE : 1:100



SECTION 2
 SCALE : 1:100