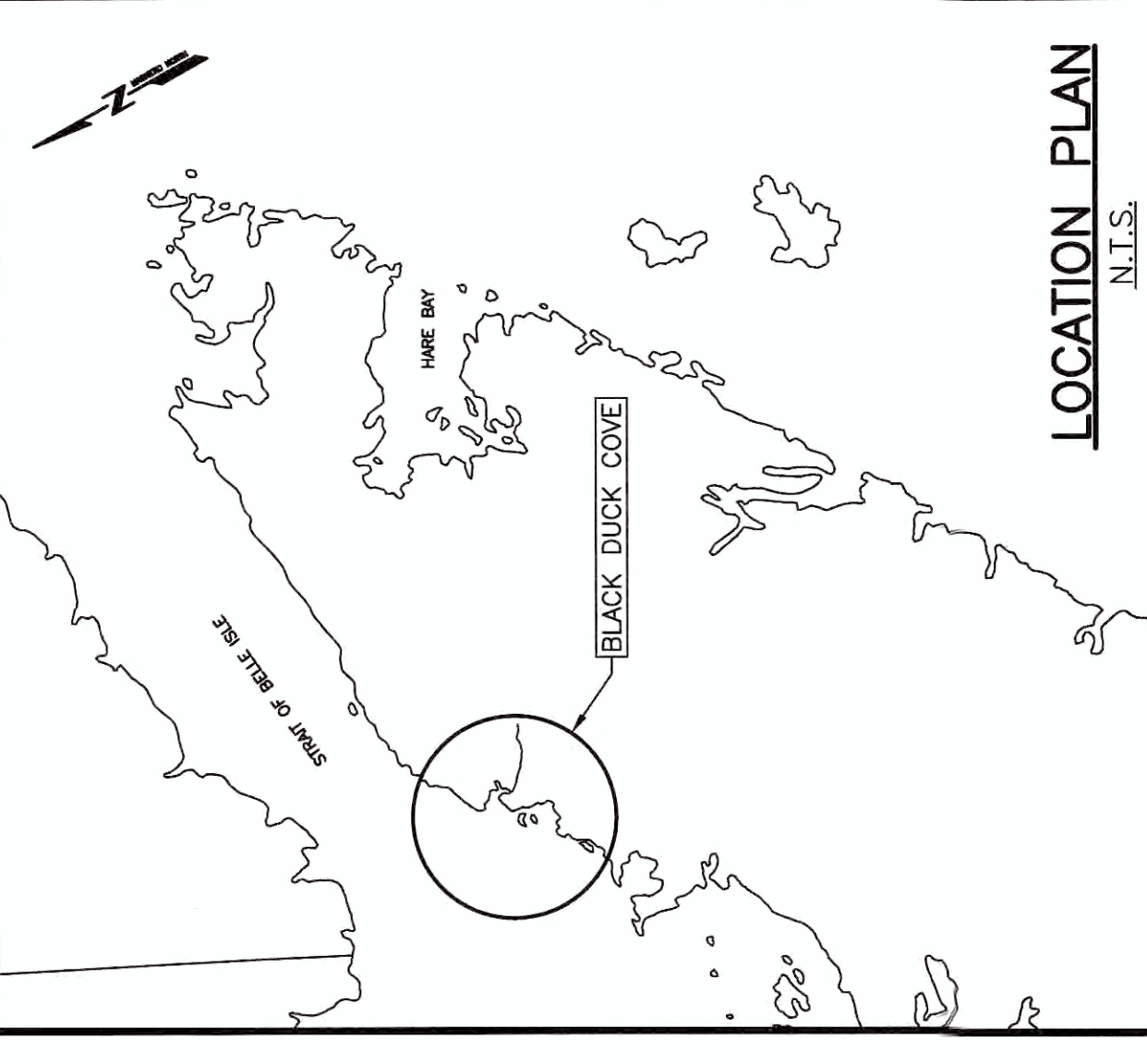
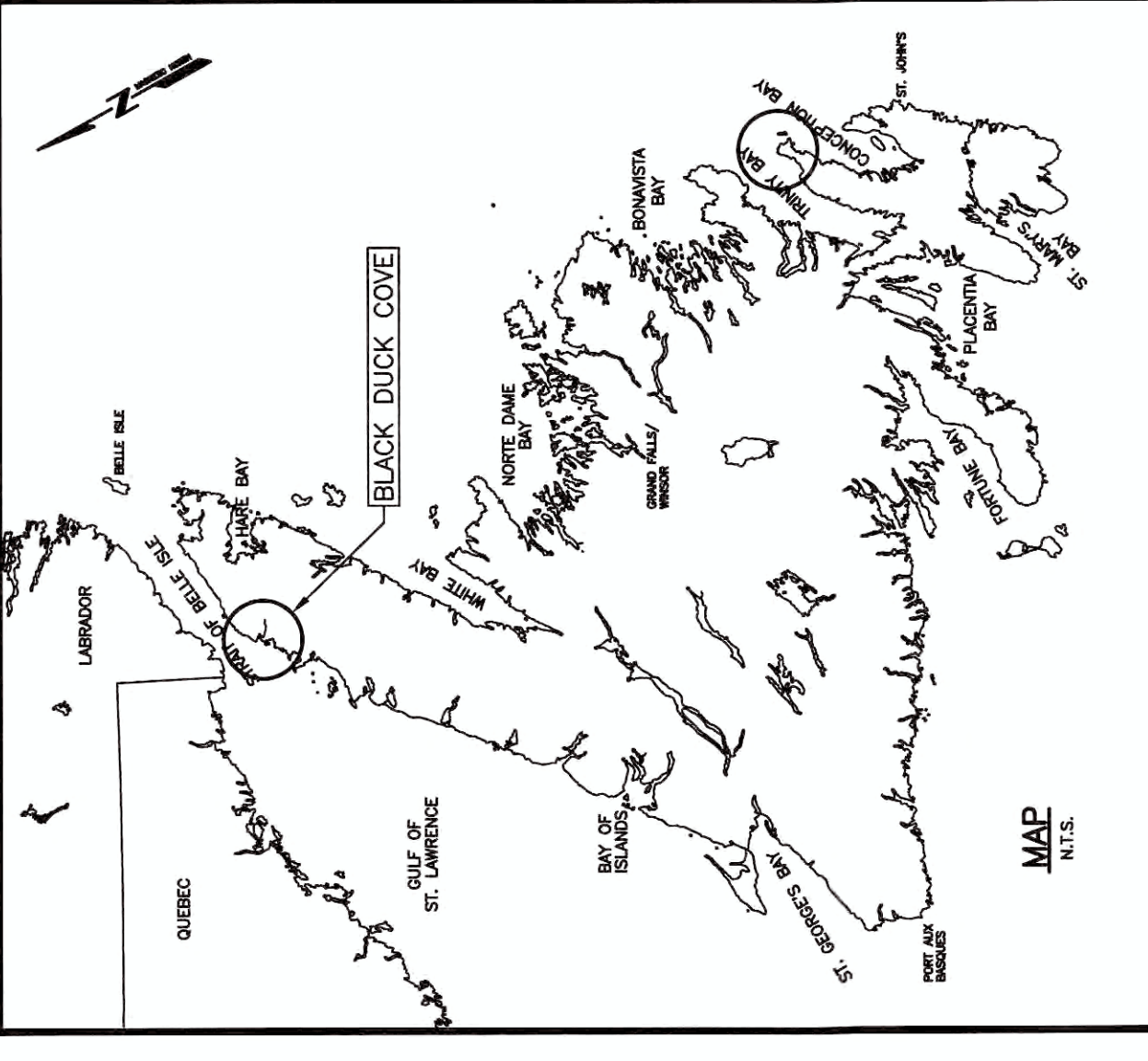
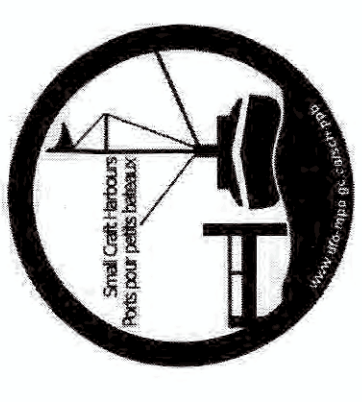


FISHERIES AND OCEANS
CANADA

**LAUNCHWAY CONSTRUCTION
BLACK DUCK COVE
NEWFOUNDLAND AND LABRADOR**

**PROJECT No. 721905
ISSUED FOR TENDER**

SMALL CRAFT HARBOURS



LIST OF DRAWINGS:

- C1 OF 5 SOUNDING AND TOPOGRAPHIC SURVEY
- C2 OF 5 NEW SITE PLAN
- C3 OF 5 NEW LAUNCHWAY LAYOUT
- C4 OF 5 NEW SECTIONS AND DETAILS
- C5 OF 5 UNDERWATER CONCRETE BAG WORK

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
 APN ENGINEERING INC.

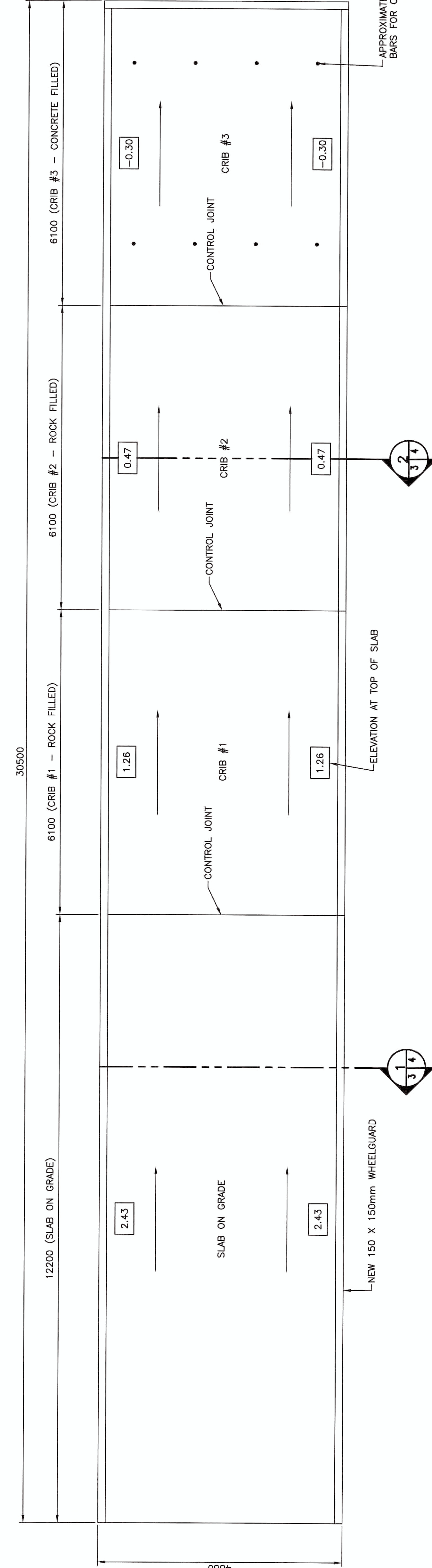
Professional Engineering
 in Newfoundland and Labrador
 Permit No. as issued by APREN 210362
 valid to 31st Dec 2017

PROFESSIONAL ENGINEER
 REG. C. HUNT
 01/01/17

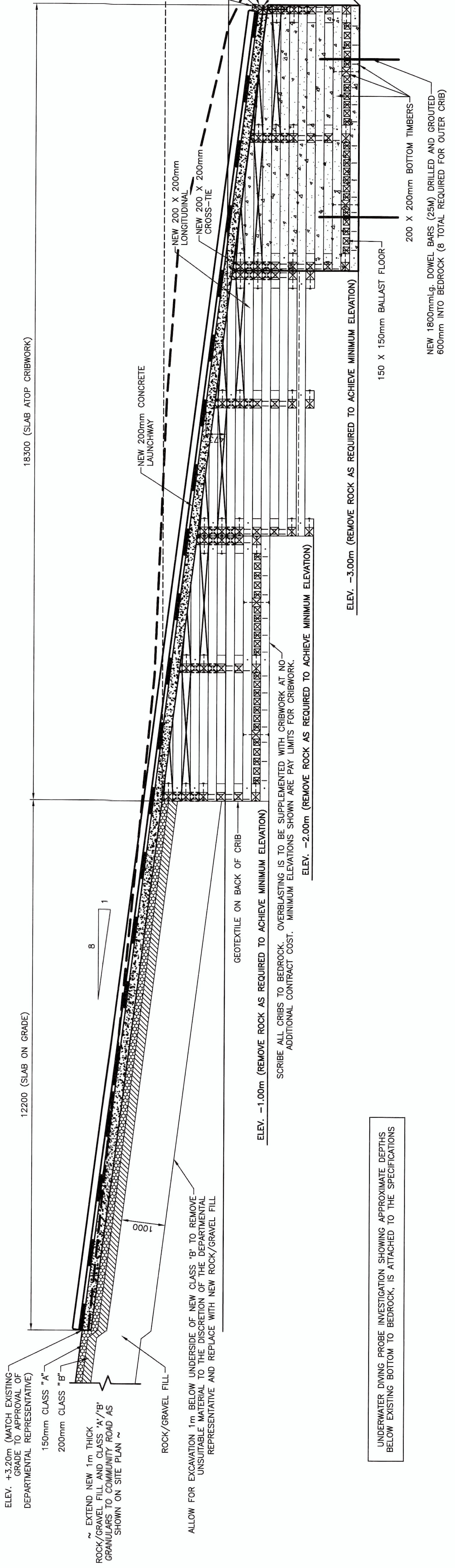
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C	ISSUED FOR BIDS REVIEW	04/22/16
B	RE-ISSUED FOR REVIEW	05/06/16
A	ISSUED FOR REVIEW	04/22/16

LAUNCHWAY CONSTRUCTION
 BLACK DUCK COVE, NL
 NEW LAUNCHWAY LAYOUT

designed N.H.
 date JANUARY 1, 2017
 drawn P.H.
 date JANUARY 1, 2017
 approved
 Tender Paul Curran
 Project Manager
 project number 721905
 drawing no. C3

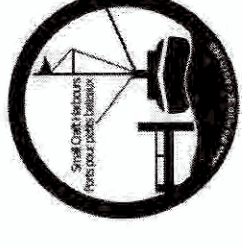


PLAN
 SCALE: 1:50



LONGITUDINAL SECTION
 SCALE: 1:50

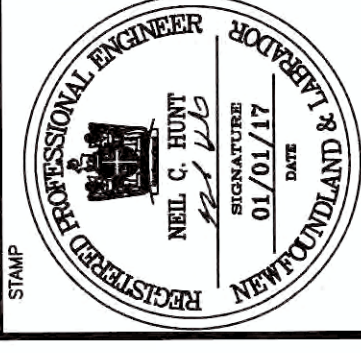
UNDERWATER DIVING PROBE INVESTIGATION SHOWING APPROXIMATE DEPTHS BELOW EXISTING BOTTOM TO BEDROCK, IS ATTACHED TO THE SPECIFICATIONS



NOTES:

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

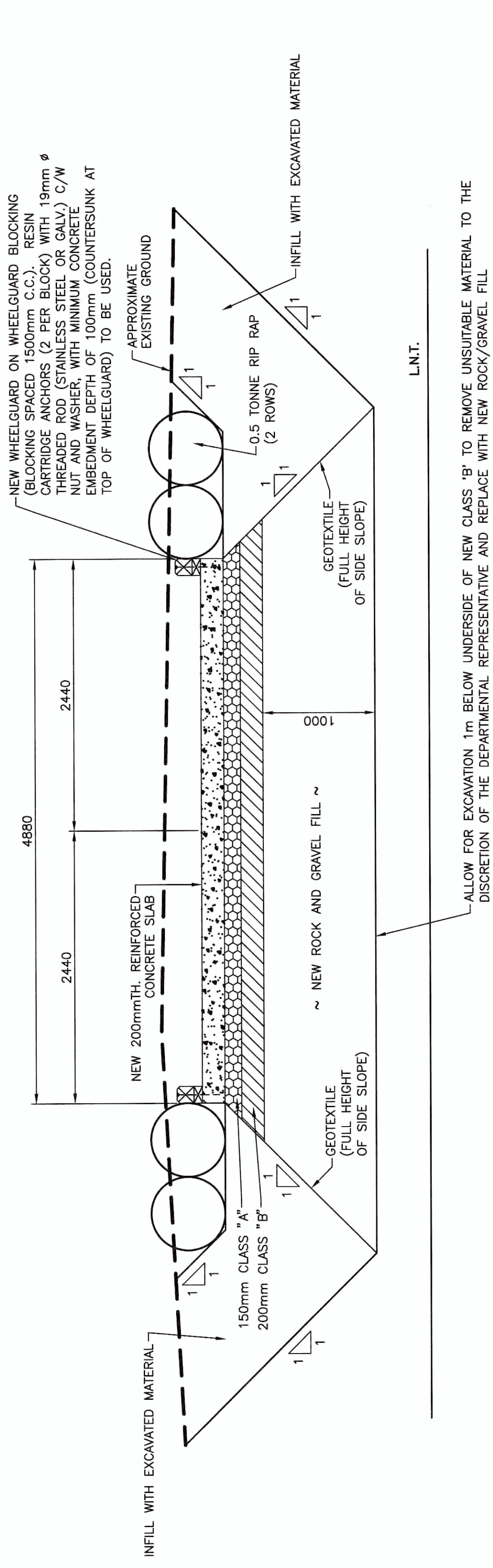
PROVINCE OF NEWFOUNDLAND
 PERMIT HOLDER
 This Permit Allows
 APN ENGINEERING INC.
 To practice Professional Engineering in Newfoundland and Labrador in accordance with the provisions of the Professional Engineers Act, R.S.N.S. 1988, which is valid for the year 2017.



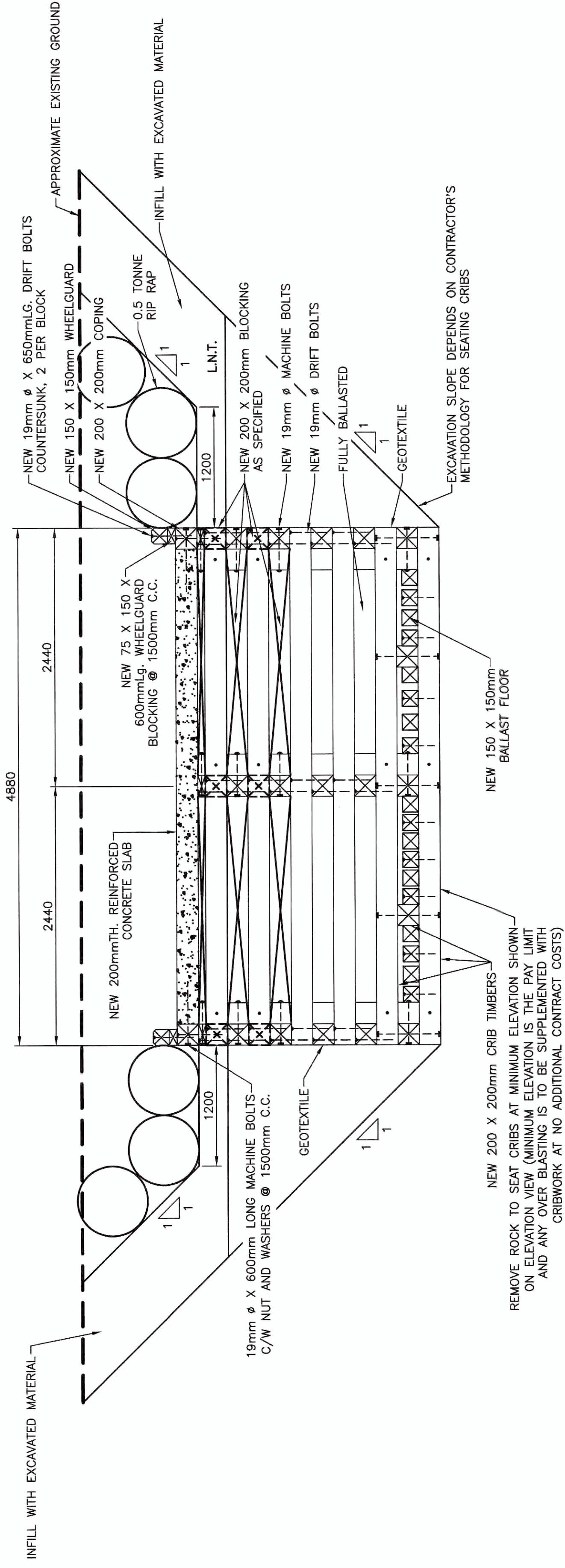
D	ISSUED FOR TENDER	01/24/17
C	ISSUED FOR BIDDING	04/25/18
B	RE-ISSUED FOR REVIEW	05/05/18
A	ISSUED FOR REVIEW	04/22/18

LAUNCHWAY
 CONSTRUCTION
 BLACK DUCK
 COVE, NL

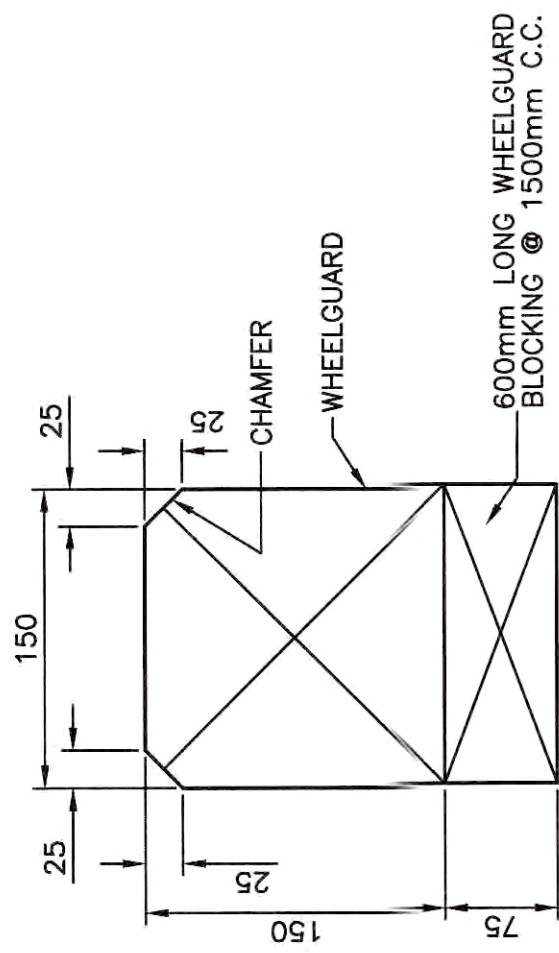
designed N.H.	concur
date JANUARY 1, 2017	
drawn P.H.	checked
date JANUARY 1, 2017	
approved	approved
Project	Submission
LAUNCHWAY CONSTRUCTION	no. of sheets
BLACK DUCK COVE, NL	721905
	no. of design
	C4



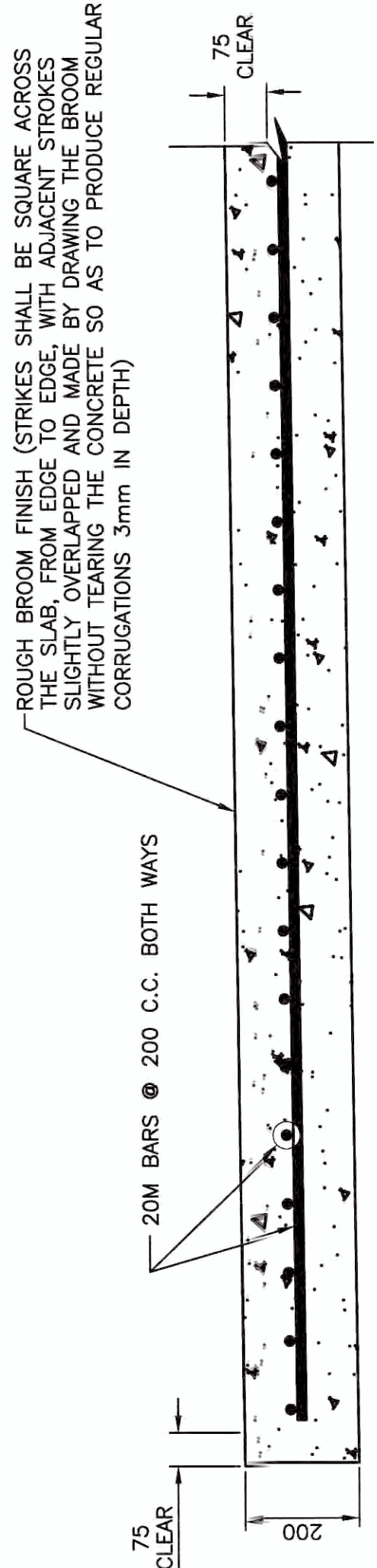
SECTION 1
 SCALE: 1:30



SECTION 2
 SCALE: 1:30



WHEELGUARD SECTION
 SCALE: 1:20



TYP. CONTROL JOINT DETAIL
 SCALE: 1:20

CONCRETE LAUNCHWAY REINFORCEMENT
 SCALE: N.T.S.

TYP. CONTROL JOINT DETAIL
 SCALE: 1:20

WHEELGUARD SECTION
 SCALE: 1:20

