



Public Works  
Government Services  
Canada

Travaux publics  
Services gouvernementaux  
Canada

Ontario Region

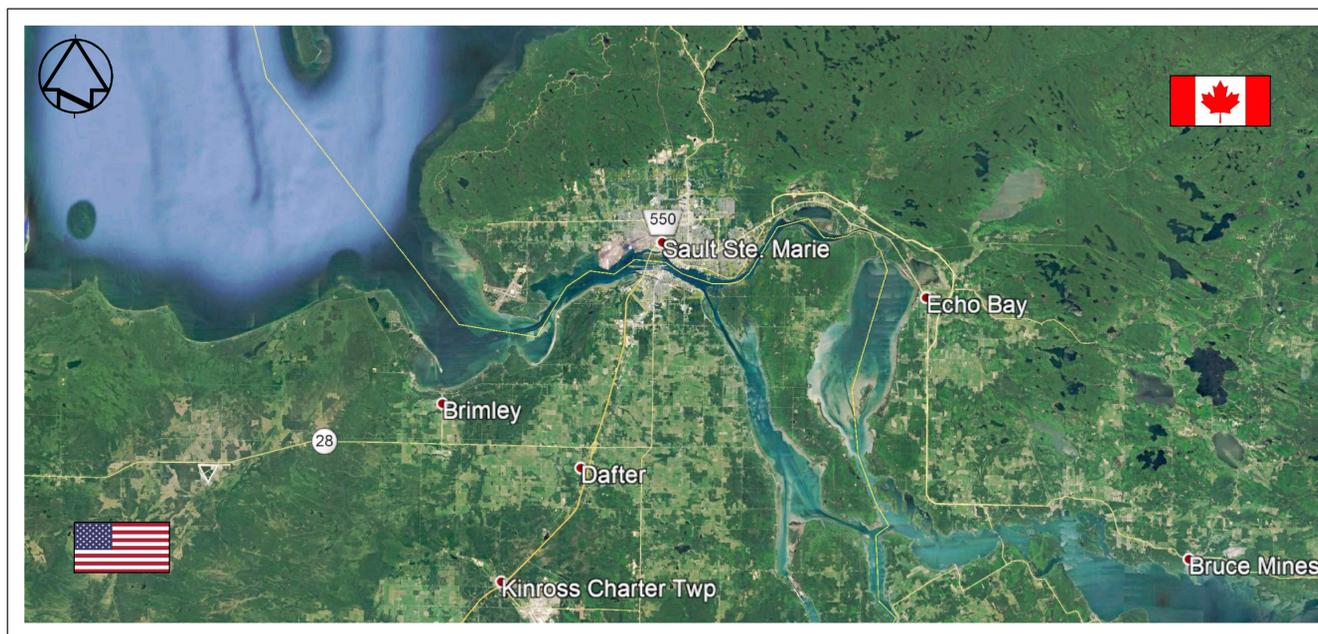
Région de l'Ontario

# SAULT STE. MARIE, ONTARIO.

## PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

# NAVIGATIONAL DREDGING 2020

PWGSC Proj. No. : R.101931.001



Canada

Public Works and  
Government Services Canada  
Travaux publics et  
Services gouvernementaux Canada



London, Ontario  
519.673.0510  
PN No. : 60600319

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revision	description	date
0	ISSUED FOR TENDER	2020/06/18

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### LIST OF DRAWINGS

- C-00 COVER SHEET
- C-01 SITE PLAN
- C-02 DREDGING LAYOUT PLAN
- C-03 DREDGING PLAN - 1
- C-04 DREDGING PLAN - 2
- C-05 DREDGING PLAN - 3
- C-06 DREDGING PLAN - 4
- C-07 DREDGING PLAN - 5
- C-08 DREDGING PLAN - 6
- C-09 DREDGING PLAN - 7
- C-10 DREDGING PLAN - 8
- C-11 DREDGING PLAN - 9
- C-12 DREDGING PLAN - 10
- C-13 DREDGING PLAN - 11
- C-14 DREDGING PLAN - 12
- C-15 DREDGING PLAN - 13

A B C	A Detail No. No. du détail
	B drawing no. - where detail required dessin no. - où détail exigé
	C drawing no. - where detailed dessin no. - où détaillé

project title  
titre du projet  
**ST. MARY'S RIVER  
NAVIGATIONAL DREDGING 2020  
SAULT STE MARIE, ONTARIO**

drawing title  
titre du dessin  
**COVER SHEET**

drawn by  
dessiné par **T.G./A.C.**

designed by  
conc par **J.P.**

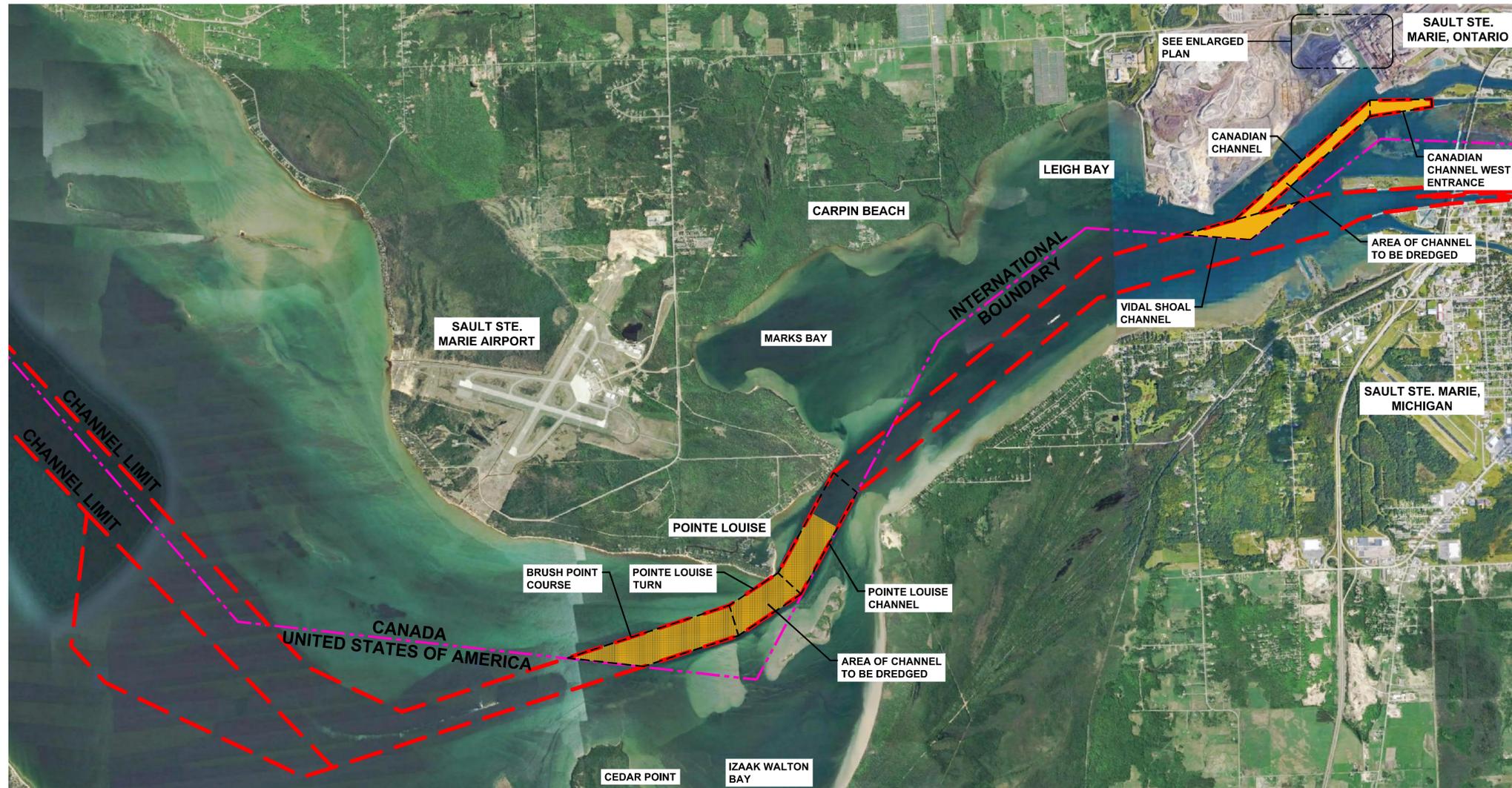
approved by  
approuvé par **R.J.**

bid offer project manager  
offre administrateur de projets

project date  
date du projet **2020-06-18**

project no.  
no. du projet **R.101931.001**

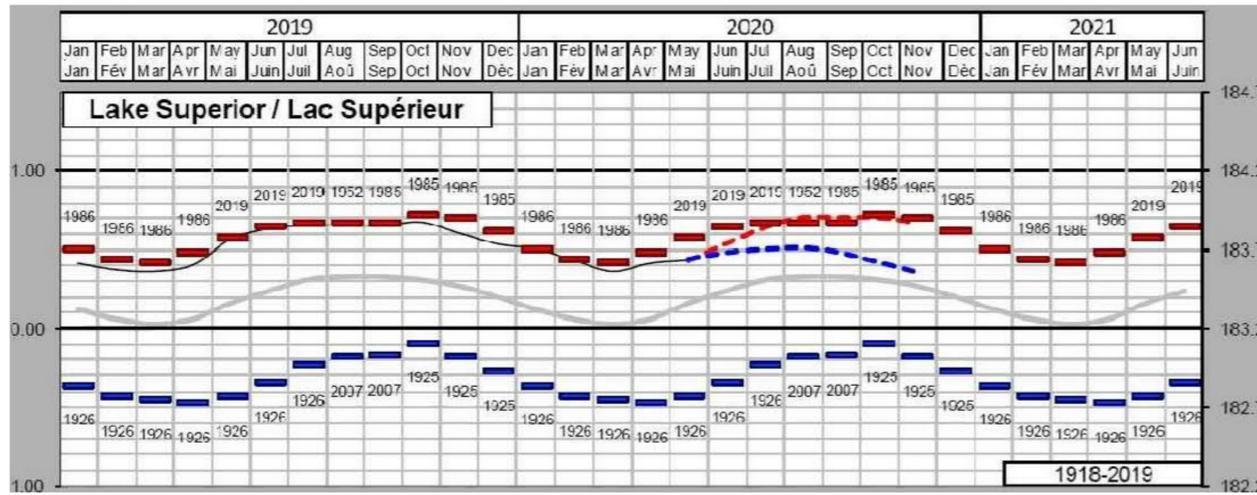
drawing no.  
dessiné no. **C-00**



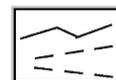
AERIAL PLAN



WATER LEVEL CHART : (WATER LEVELS TAKEN FROM www.waterlevels.gc.ca)



ALL-TIME AVERAGE  
HISTORIC EXTREMES -  
MAXIMUM / MINIMUM



RECORDED MONTHLY MEAN LEVEL  
PROBABLE RANGE OF FUTURE  
LEVELS



CONTRACTOR TO PLACE DREDGEATE AT ALGOMA STEEL SLIP LOCATION

ENLARGED PLAN

Public Works and Government Services Canada  
Travaux publics et Services gouvernementaux Canada

**AECOM**

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519.673.0510  
PN No. : 60600319

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NOTE :

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REFERENCE BENCHMARKS :

BM NAME	ELEVATION	DESCRIPTION
10920-GROS CAP	183.200 m	CHS GAUGE
9076070-SW PIER	183.435 m	NOAA GAUGE

LEGEND :

	INTERNATIONAL BOUNDARY
	CHANNEL LIMIT

revision	description	date
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B	drawing no. - where detail required dessin no. - où détail exigé
C	drawing no. - where detailed dessin no. - où détaillé

project title  
titre du projet  
**ST. MARY'S RIVER  
NAVIGATIONAL DREDGING 2020  
SAULT STE MARIE, ONTARIO**

drawing title  
titre du dessin  
**AERIAL PLAN AND  
WATER LEVEL CHART**

drawn by  
dessiné par  
**T.G./A.C.**

designed by  
conc par  
**J.P.**

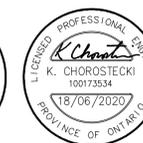
approved by  
approuvé par  
**R.J.**

bid offer  
offre de soumission  
-

project date  
date du projet  
**2020-06-18**

project no.  
no. du projet  
**R.101931.001**

drawing no.  
dessin no.  
**C-01**





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LEGEND :

- INTERNATIONAL BOUNDARY
- CHANNEL LIMIT
- CHANNEL CENTRELINE
- NAVIGATION LIGHT
- BUOY
- DREDGING AREA

revision	description	date
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dessin no. - où détail exigé
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dessin no. - où détaillé

project title  
titre du projet  
**ST. MARY'S RIVER  
NAVIGATIONAL DREDGING 2020  
SAULT STE MARIE, ONTARIO**

drawing title  
titre du dessin  
**DREDGING LAYOUT PLAN**

drawn by  
dessiné par **T.G./A.C.**

designed by  
conç par **J.P.**

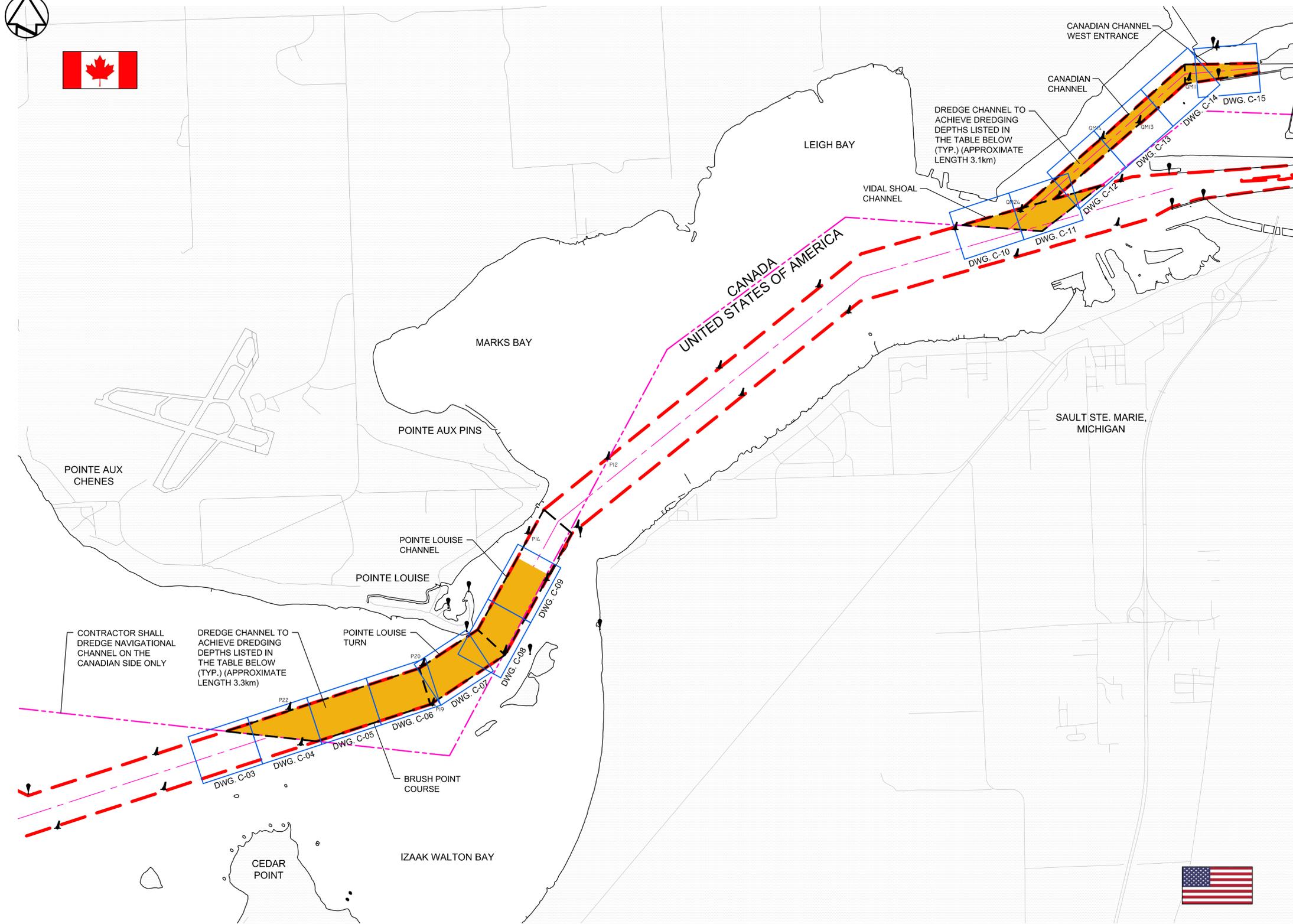
approved by  
approuvé par **R.J.**

bid offer  
offre **-** project manager  
administrateur de projets

project date  
date du projet **2020-06-18**

project no.  
no. du projet **R.101931.001**

drawing no.  
dessin no. **C-02**



CONTRACTOR SHALL DREDGE NAVIGATIONAL CHANNEL ON THE CANADIAN SIDE ONLY

DREDGE CHANNEL TO ACHIEVE DREDGING DEPTHS LISTED IN THE TABLE BELOW (TYP.) (APPROXIMATE LENGTH 3.3km)

DREDGE CHANNEL TO ACHIEVE DREDGING DEPTHS LISTED IN THE TABLE BELOW (TYP.) (APPROXIMATE LENGTH 3.1km)

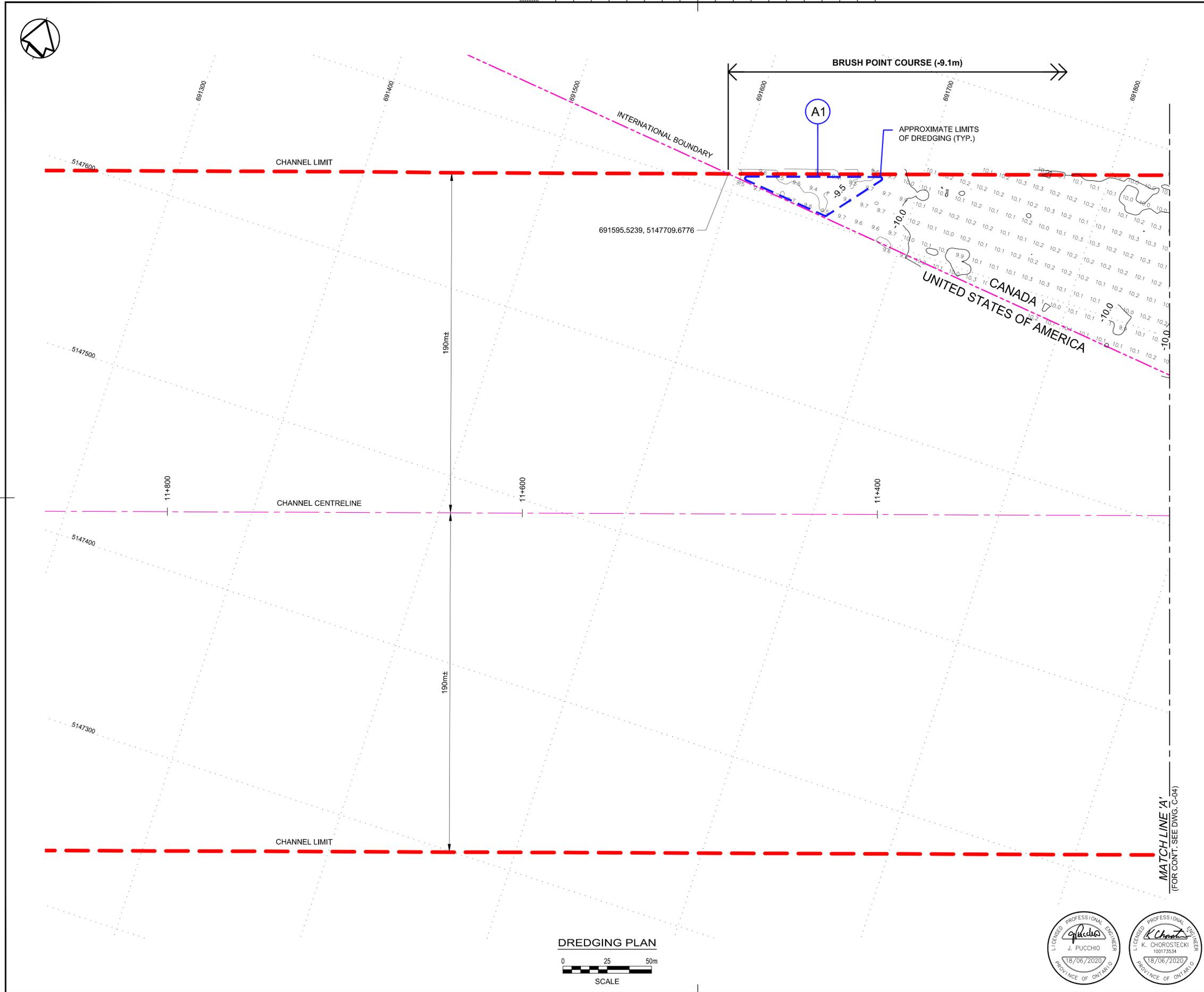
DREDGING OVERALL PLAN



DREDGING TABLE :		NAVIGATIONAL CHANNEL DEPTH (m)
SCENARIO A	BRUSH POINT COURSE POINTE LOUISE TURN	-9.1 -8.5
SCENARIO B (INCLUDES SCENARIO A)	POINTE LOUISE CHANNEL	-8.5
SCENARIO C (INCLUDES SCENARIO A AND B)	VIDAL SHOAL CHANNEL CANADIAN CHANNEL CANADIAN CHANNEL WEST ENTRANCE	-8.5 -7.3 -7.0

NOTE : DREDGING DEPTH = NAVIGATIONAL CHANNEL DEPTH + OVER-DREDGE (OF -0.3m)





**AECOM**

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**LEGEND :**

-  INTERNATIONAL BOUNDARY
-  CHANNEL LIMIT
-  CHANNEL CENTRELINE
-  NAVIGATION LIGHT
-  BUOY
-  APPROXIMATE LIMITS OF DREDGING

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project title  
titre du projet  
**ST. MARY'S RIVER  
NAVIGATIONAL DREDGING 2020  
SAULT STE MARIE, ONTARIO**

drawing title  
titre du dessin  
**DREDGING PLAN - 1**

drawn by  
dessiné par **T.G./A.C.**

designed by  
conc par **J.P.**

approved by  
approuvé par **R.J.**

bid offer  
offre **-** project manager  
administrateur de projets

project date  
date du projet **2020-06-18**

project no.  
no. du projet **R.101931.001**

drawing no.  
dessiné no. **C-03**

**DREDGING PLAN**  
0 25 50m  
SCALE





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**LEGEND :**

	INTERNATIONAL BOUNDARY
	CHANNEL LIMIT
	CHANNEL CENTRELINE
	NAVIGATION LIGHT
	BUOY
	APPROXIMATE LIMITS OF DREDGING

0	ISSUED FOR TENDER	2020/06/18
revision	description	date

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	C drawing no. - where detail required
	dessin no. - où détail exigé
	C drawing no. - where detailed
	dessin no. - où détaillé

project title  
titre du projet  
**ST. MARY'S RIVER  
NAVIGATIONAL DREDGING 2020  
SAULT STE MARIE, ONTARIO**

drawing title  
titre du dessin  
**DREDGING PLAN - 2**

drawn by  
dessiné par  
**T.G./A.C.**

designed by  
conç par  
**J.P.**

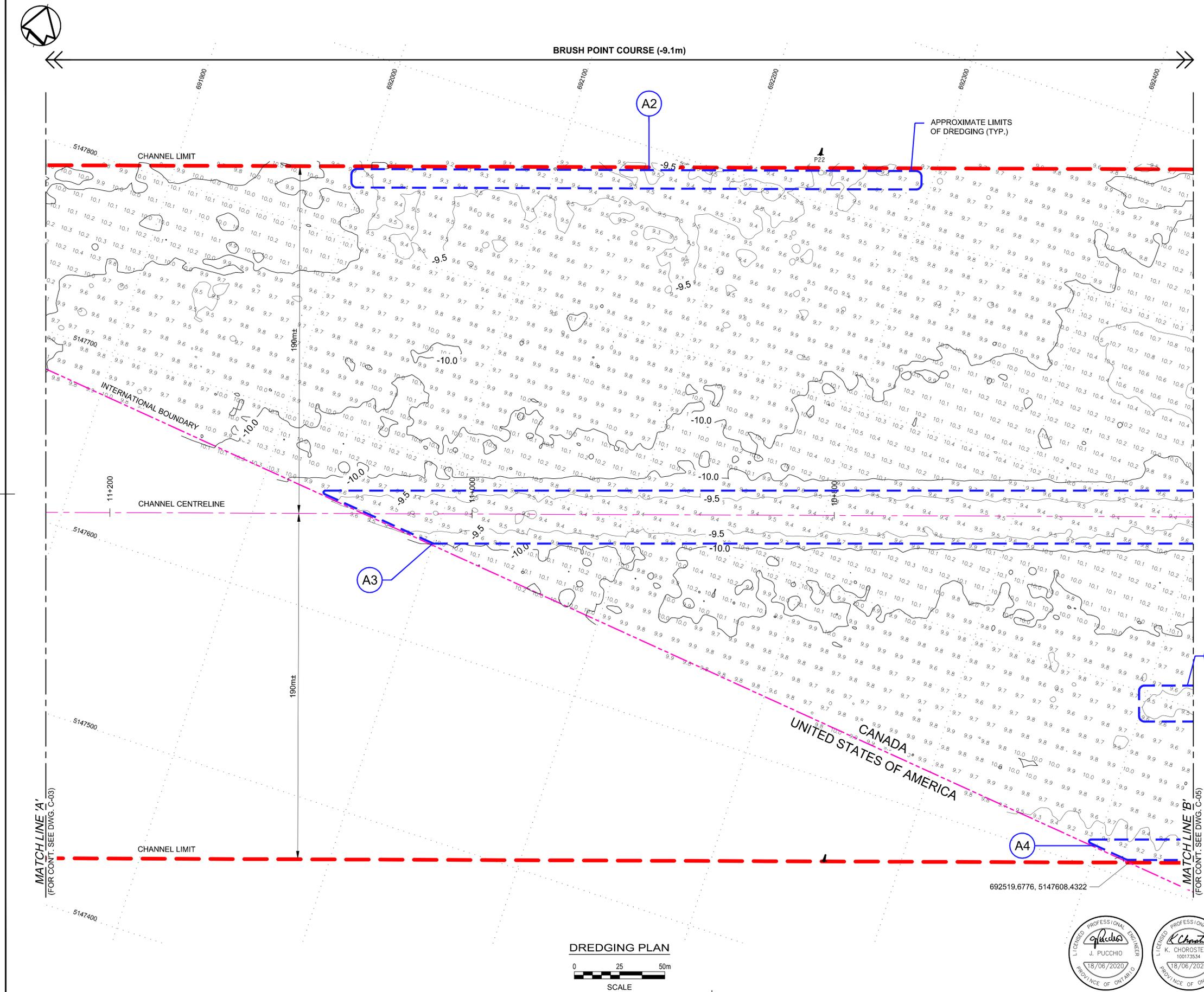
approved by  
approuvé par  
**R.J.**

bid offer  
offre de projet  
project manager  
administrateur de projets

project date  
date du projet  
**2020-06-18**

project no.  
no. du projet  
**R.101931.001**

drawing no.  
dessiné no.  
**C-04**



**DREDGING PLAN**  
0 25 50m  
SCALE





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**LEGEND :**

- INTERNATIONAL BOUNDARY
- CHANNEL LIMIT
- CHANNEL CENTRELINE
- NAVIGATION LIGHT
- BUOY
- APPROXIMATE LIMITS OF DREDGING

revision	description	date
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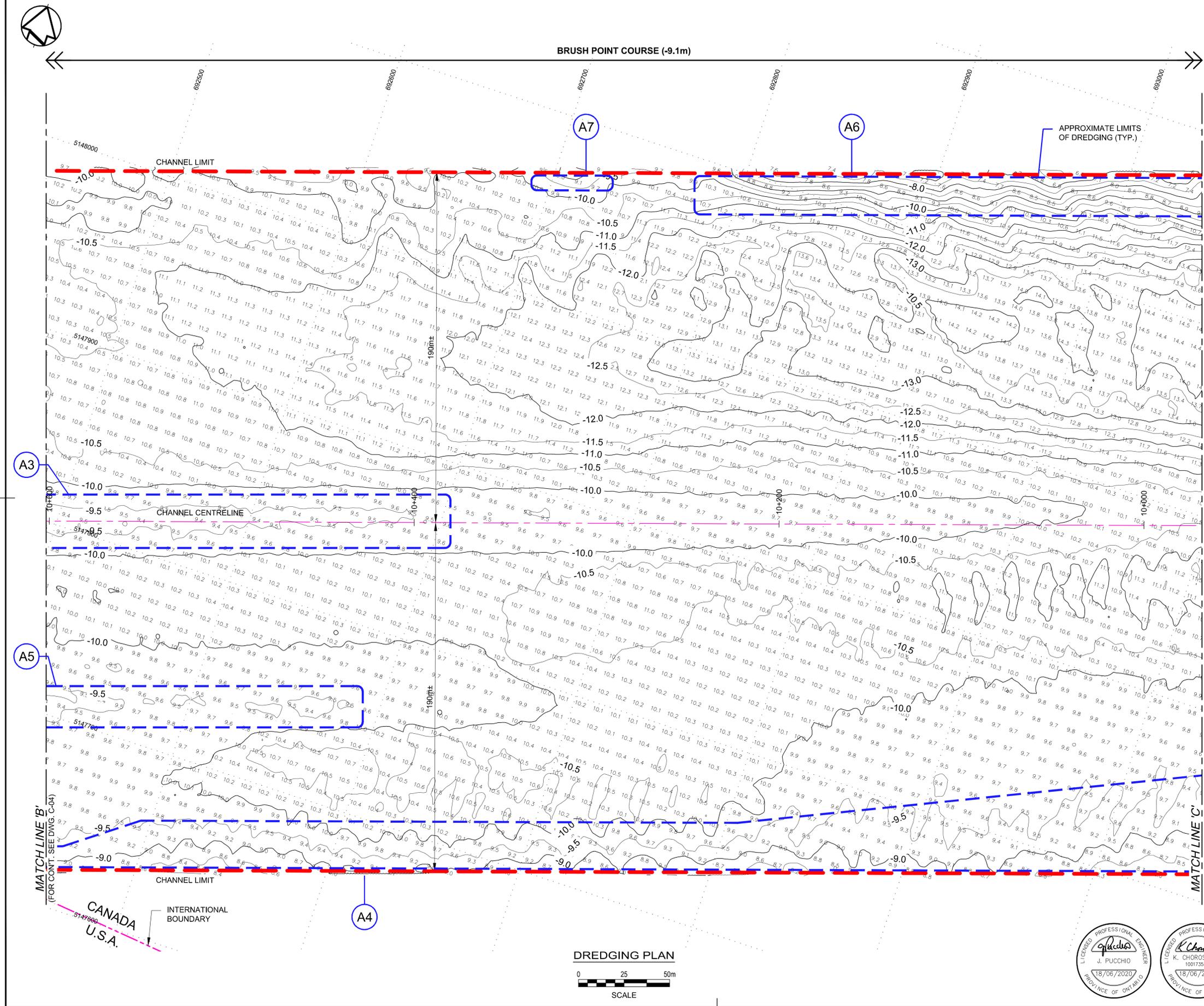
A	Detail No. No. du détail
B	drawing no. - where detail required dessin no. - où détail exigé
C	drawing no. - where detailed dessin no. - où détaillé

project title  
titre du projet  
**ST. MARY'S RIVER  
NAVIGATIONAL DREDGING 2020  
SAULT STE MARIE, ONTARIO**

drawing title  
titre du dessin  
**DREDGING PLAN - 3**

drawn by dessiné par	T.G./A.C.
designed by conc par	J.P.
approved by approuvé par	R.J.
bid offer	project manager administrateur de projets

project date date du projet	2020-06-18
project no. no. du projet	R.101931.001
drawing no. dessiné no.	C-05



**DREDGING PLAN**  
0 25 50m  
SCALE





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**LEGEND :**

	INTERNATIONAL BOUNDARY
	CHANNEL LIMIT
	CHANNEL CENTRELINE
	NAVIGATION LIGHT
	BUOY
	APPROXIMATE LIMITS OF DREDGING

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	C drawing no. - where detailed dessin no. - où détaillé

project title  
titre du projet  
**ST. MARY'S RIVER  
NAVIGATIONAL DREDGING 2020  
SAULT STE MARIE, ONTARIO**

drawing title  
titre du dessin  
**DREDGING PLAN - 4**

drawn by  
dessiné par  
**T.G./A.C.**

designed by  
conc par  
**J.P.**

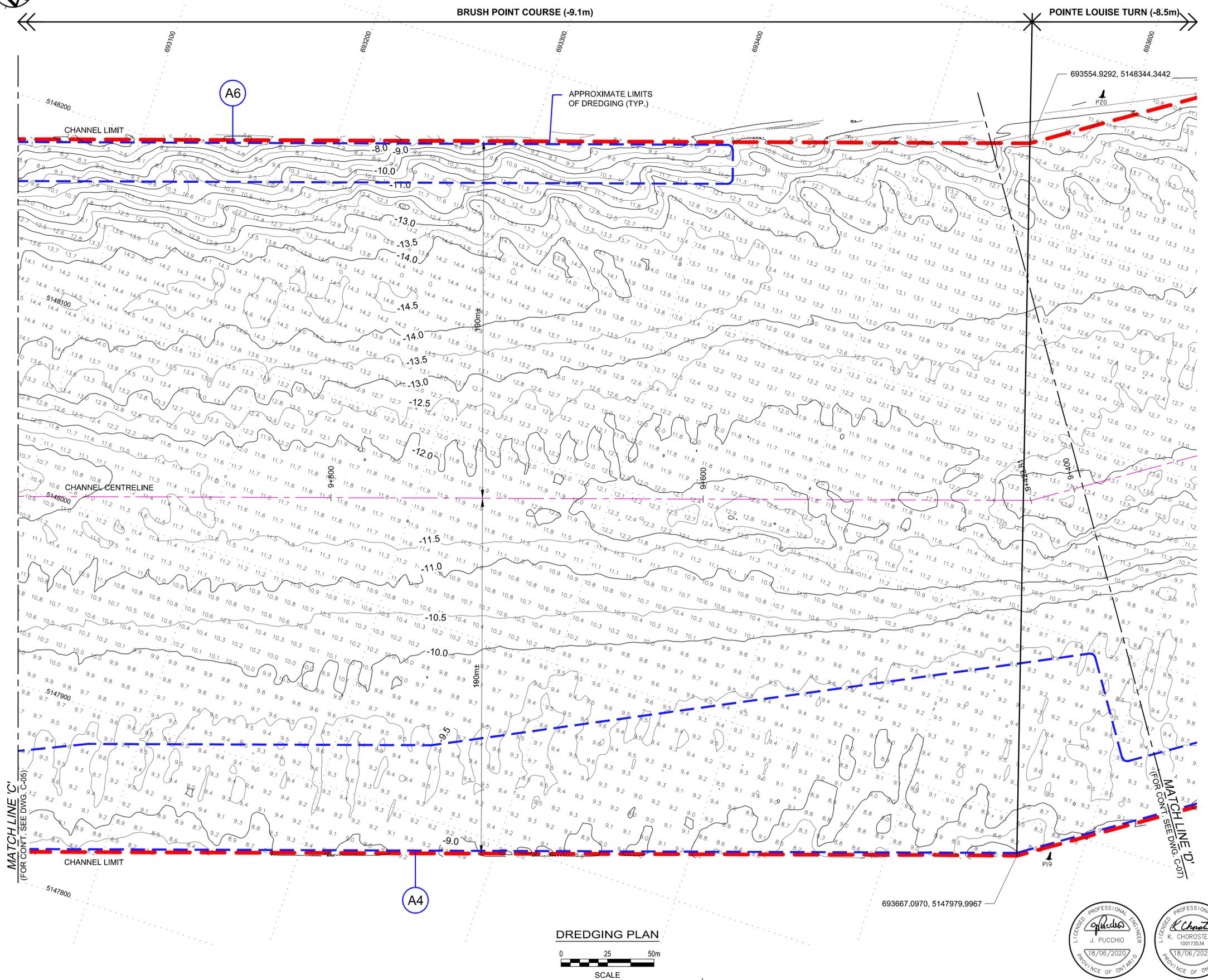
approved by  
approuvé par  
**R.J.**

bid offer  
offre de projet  
-

project date  
date du projet  
**2020-06-18**

project no.  
no. du projet  
**R.101931.001**

drawing no.  
dessiné no.  
**C-06**



**DREDGING PLAN**  
0 25 50m  
SCALE

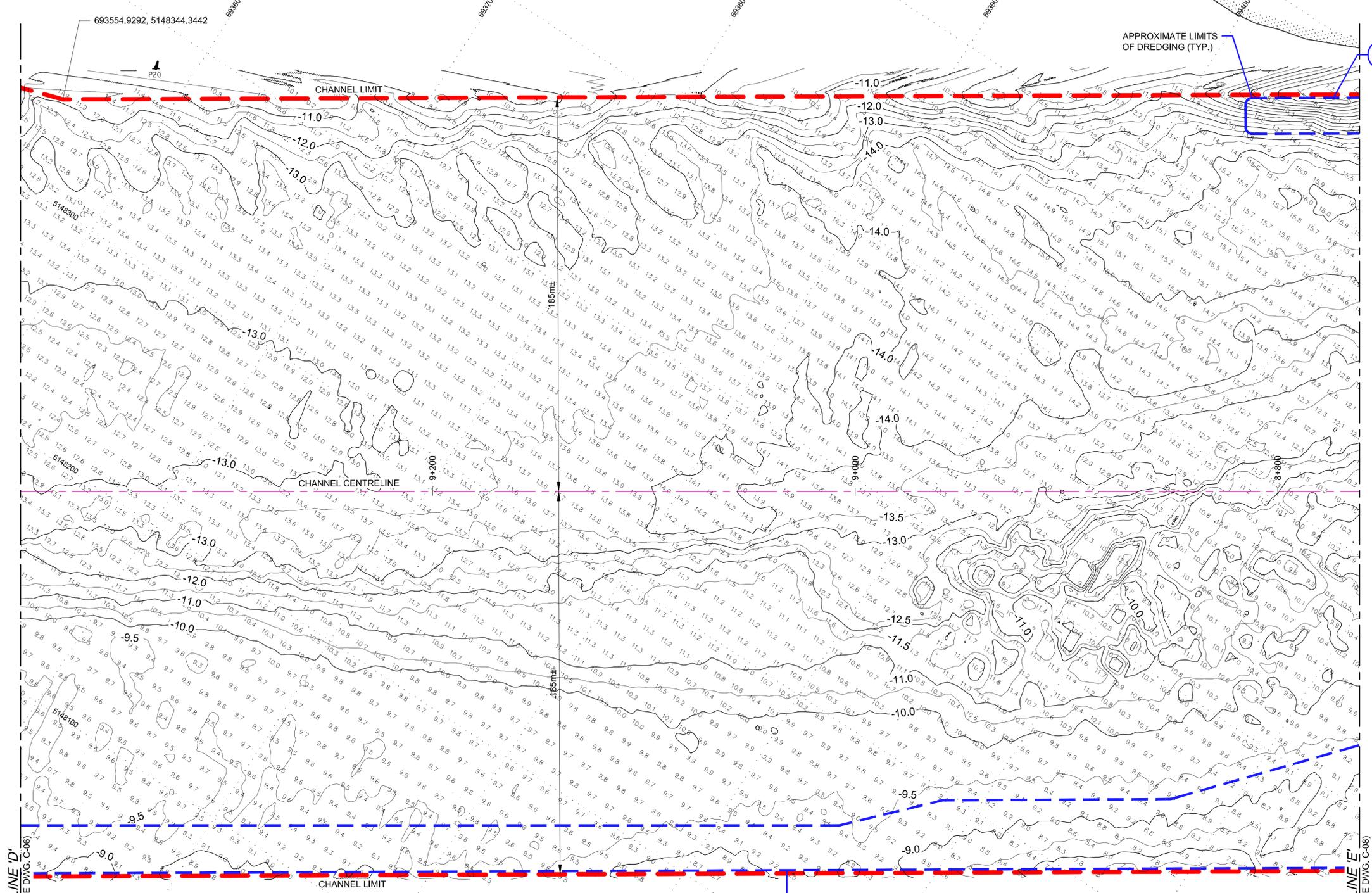




POINTE LOUISE TURN (-8.5m)

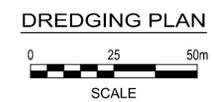
APPROXIMATE LIMITS OF DREDGING (TYP.)

A8



MATCHLINE 'D'  
(FOR CONT. SEE DWG. C-06)

MATCHLINE 'E'  
(FOR CONT. SEE DWG. C-08)



DREDGING PLAN



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**LEGEND :**

- INTERNATIONAL BOUNDARY
- CHANNEL LIMIT
- CHANNEL CENTRELINE
- NAVIGATION LIGHT
- BUOY
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project title / titre du projet  
**ST. MARY'S RIVER  
NAVIGATIONAL DREDGING 2020  
SAULT STE MARIE, ONTARIO**

drawing title / titre du dessin  
**DREDGING PLAN - 5**

drawn by / dessiné par  
**T.G./A.C.**

designed by / conc par  
**J.P.**

approved by / approuvé par  
**R.J.**

bid offer / project manager / administrateur de projets

project date / date du projet  
**2020-06-18**

project no. / no. du projet  
**R.101931.001**

drawing no. / dessiné no.  
**C-07**





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  - NAVIGATION LIGHT
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  - APPROXIMATE LIMITS OF DREDGING

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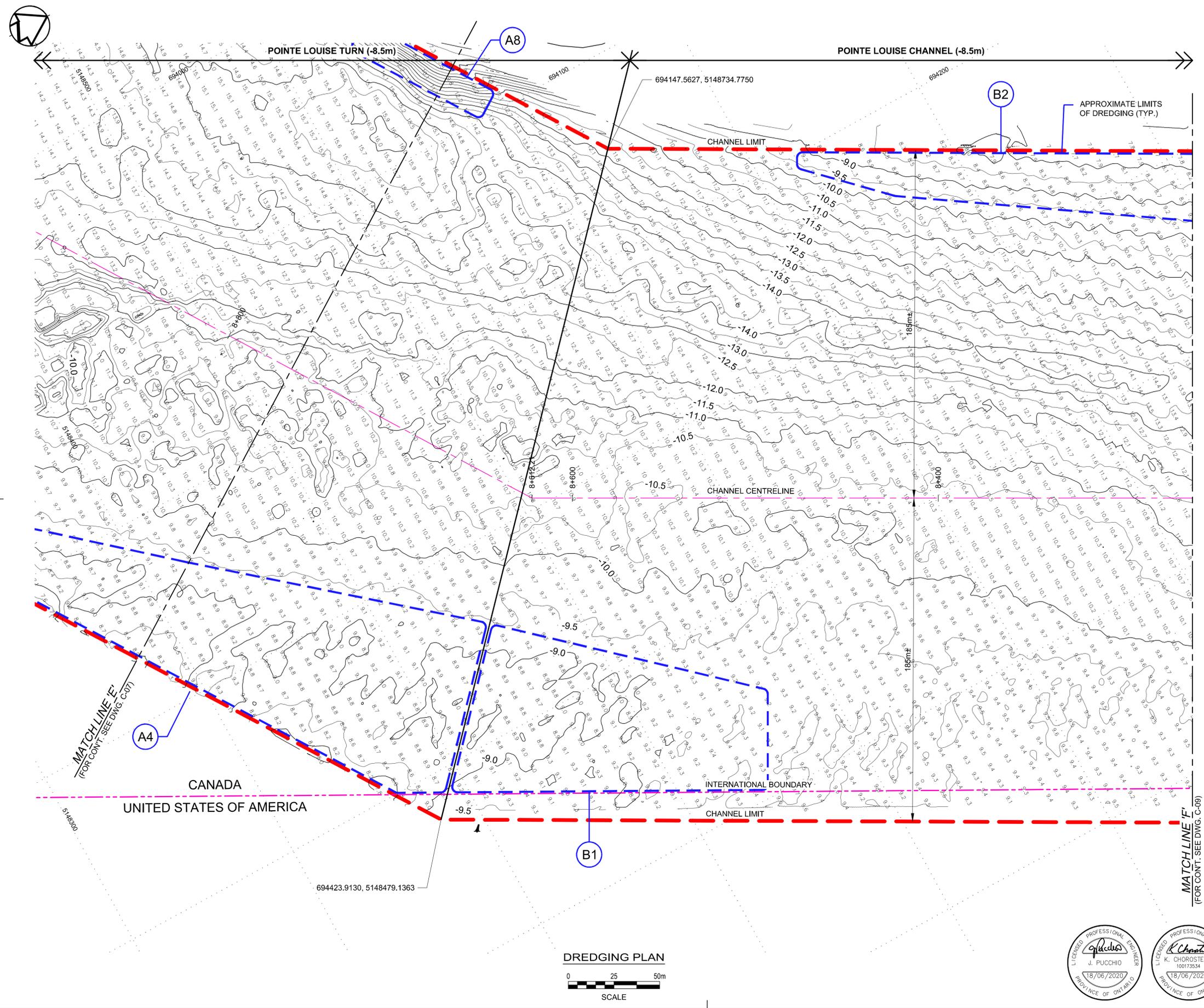
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titre du projet  
**ST. MARY'S RIVER  
NAVIGATIONAL DREDGING 2020  
SAULT STE MARIE, ONTARIO**

drawing title  
titre du dessin  
**DREDGING PLAN - 6**

drawn by dessiné par	T.G./A.C.
designed by conçue par	J.P.
approved by approuvé par	R.J.
bid offer offre	-
project manager administrateur de projets	-

project date date du projet	2020-06-18
project no. no. du projet	R.101931.001
drawing no. dessiné no.	C-08

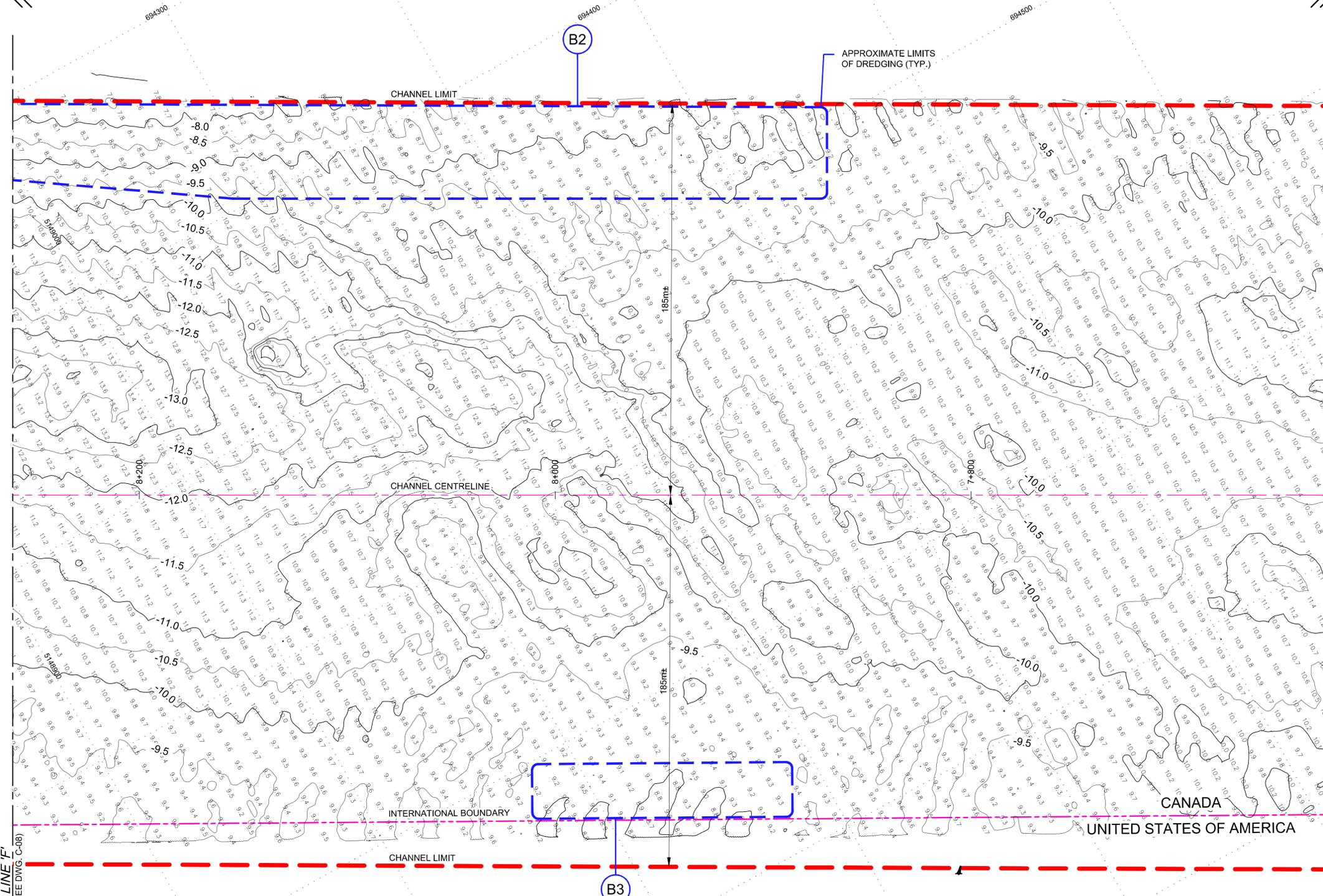


**DREDGING PLAN**  
0 25 50m  
SCALE





POINTE LOUISE CHANNEL (-8.5m)



MATCHLINE 'F'  
(FOR CONT. SEE DWG. C-08)

DREDGING PLAN



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PN No. : 60600319

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**LEGEND :**

- INTERNATIONAL BOUNDARY
- CHANNEL LIMIT
- CHANNEL CENTRELINE
- NAVIGATION LIGHT
- BUOY
- APPROXIMATE LIMITS OF DREDGING

revision	description	date
0	ISSUED FOR TENDER	2020/06/18

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Verify all dimensions and conditions on site and immediately notify the Departmental Representative of all discrepancies.

- A Detail No.  
No. du détail
- B drawing no. - where detail required  
dessin no. - où détail exigé
- C drawing no. - where detailed  
dessin no. - où détaillé

project title  
titre du projet  
**ST. MARY'S RIVER  
NAVIGATIONAL DREDGING 2020  
SAULT STE MARIE, ONTARIO**

drawing title  
titre du dessin  
**DREDGING PLAN - 7**

drawn by  
dessiné par **T.G./A.C.**

designed by  
conc par **J.P.**

approved by  
approuvé par **R.J.**

bid offer  
offre

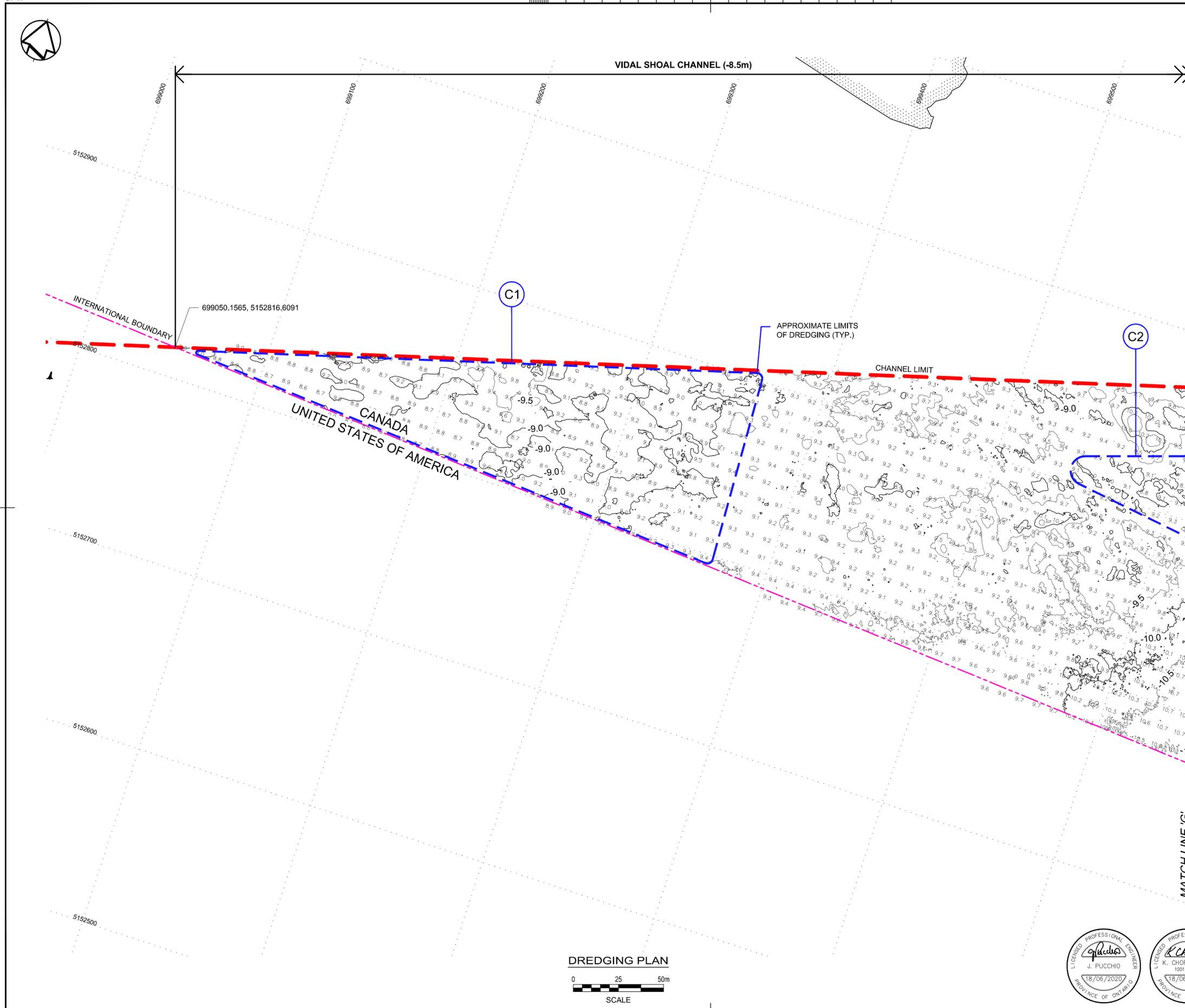
project manager  
administrateur de projets

project date  
date du projet **2020-06-18**

project no.  
no. du projet **R.101931.001**

drawing no.  
dessiné no. **C-09**





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**LEGEND :**

	INTERNATIONAL BOUNDARY
	CHANNEL LIMIT
	CHANNEL CENTRELINE
	NAVIGATION LIGHT
	BUOY
	APPROXIMATE LIMITS OF DREDGING

revision	description	date
0	ISSUED FOR TENDER	2020/06/18

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	A Detail No. No. du détail
	B drawing no. - where detail required dessin no. - où détail exigé
	C drawing no. - where detailed dessin no. - où détaillé

project title  
titre du projet  
**ST. MARY'S RIVER  
NAVIGATIONAL DREDGING 2020  
SAULT STE MARIE, ONTARIO**

drawing title  
titre du dessin  
**DREDGING PLAN - 8**

drawn by  
dessiné par **T.G./A.C.**

designed by  
conc par **J.P.**

approved by  
approuvé par **R.J.**

bid offer  
offre - project manager  
administrateur de projets

project date  
date du projet **2020-06-18**

project no.  
no. du projet **R.101931.001**

drawing no.  
dessiné no. **C-10**

**DREDGING PLAN**  
0 25 50m  
SCALE



MATCHLINE 'G'  
(FOR CONT. SEE DWG. C-11)



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- LEGEND :**
- INTERNATIONAL BOUNDARY
  - CHANNEL LIMIT
  - CHANNEL CENTRELINE
  - NAVIGATION LIGHT
  - BUOY
  - APPROXIMATE LIMITS OF DREDGING

revision	description	date
0	ISSUED FOR TENDER	2020/06/18

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- A Detail No. No. du détail
- B drawing no. - where detail required dessin no. - où détail exigé
- C drawing no. - where detailed dessin no. - où détaillé

project title  
titre du projet  
**ST. MARY'S RIVER  
NAVIGATIONAL DREDGING 2020  
SAULT STE MARIE, ONTARIO**

drawing title  
titre du dessin  
**DREDGING PLAN - 9**

drawn by  
dessiné par  
**T.G./A.C.**

designed by  
conçue par  
**J.P.**

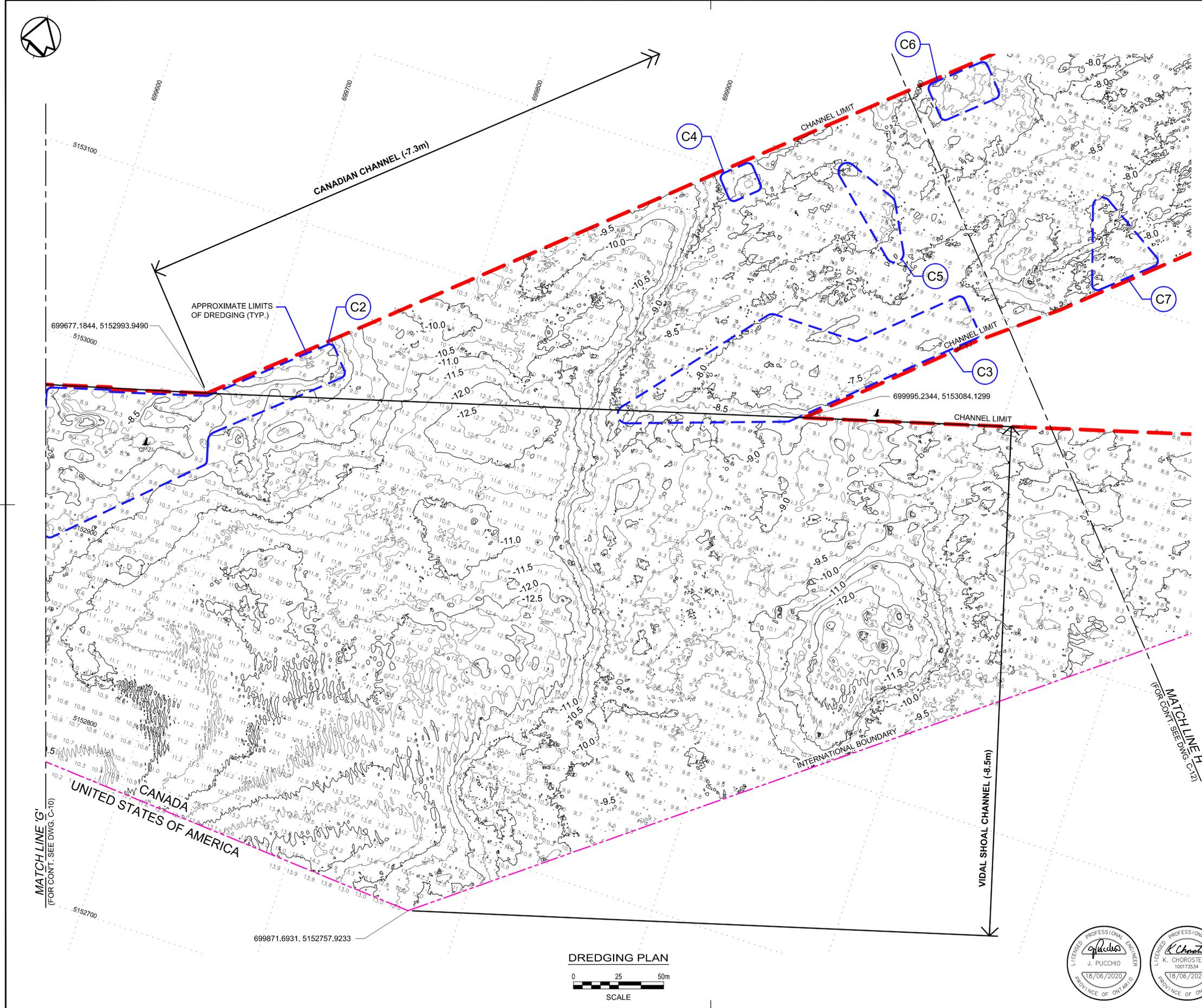
approved by  
approuvé par  
**R.J.**

bid offer  
offre de soumission  
project manager  
administrateur de projets

project date  
date du projet  
**2020-06-18**

project no.  
no. du projet  
**R.101931.001**

drawing no.  
dessin no.  
**C-11**

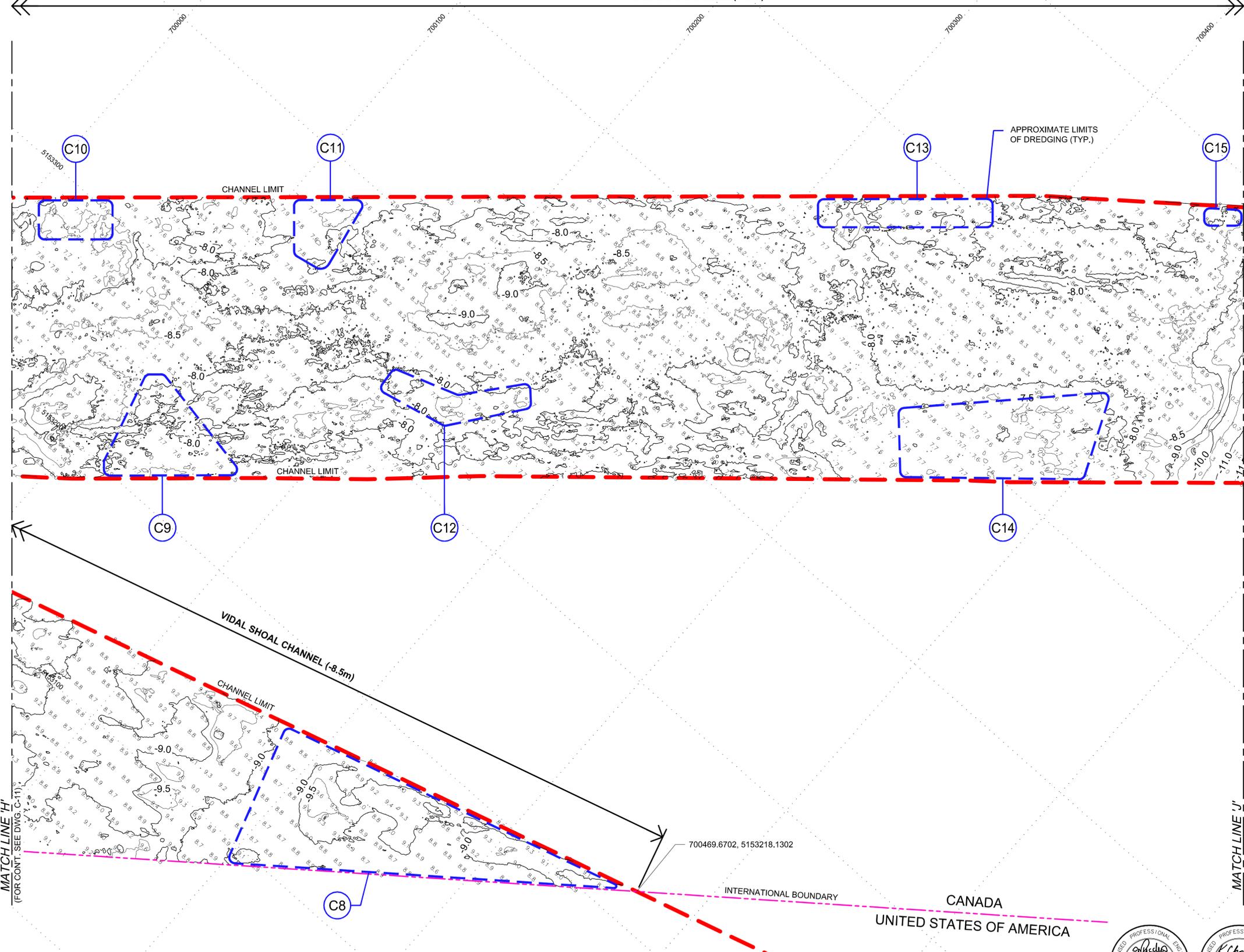


**DREDGING PLAN**  
0 25 50m  
SCALE





CANADIAN CHANNEL (-7.3m)



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**LEGEND :**

- INTERNATIONAL BOUNDARY
- CHANNEL LIMIT
- CHANNEL CENTRELINE
- NAVIGATION LIGHT
- BUOY
- APPROXIMATE LIMITS OF DREDGING

revision	description	date
0	ISSUED FOR TENDER	2020/06/18

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	A	Detail No.
	B	No. du détail
	C	drawing no. - where detail required / dessin no. - où détail exigé
		drawing no. - where detailed / dessin no. - où détaillé

project title / titre du projet  
**ST. MARY'S RIVER  
NAVIGATIONAL DREDGING 2020  
SAULT STE MARIE, ONTARIO**

drawing title / titre du dessin  
**DREDGING PLAN - 10**

drawn by / dessiné par  
**T.G./A.C.**

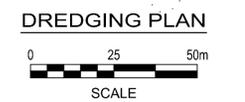
designed by / conçu par  
**J.P.**

approved by / approuvé par  
**R.J.**

project date / date du projet  
**2020-06-18**

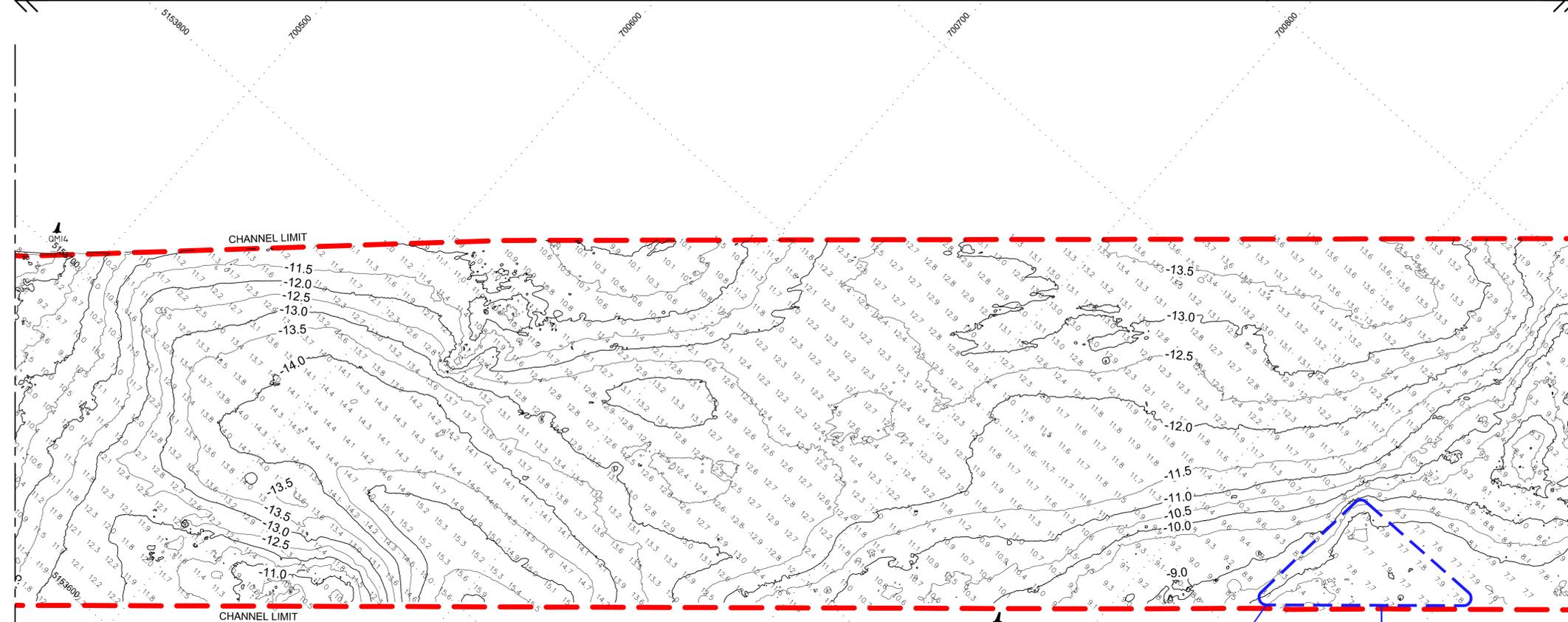
project no. / no. du projet  
**R.101931.001**

drawing no. / dessiné no.  
**C-12**





CANADIAN CHANNEL (-7.3m)



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- LEGEND :**
- INTERNATIONAL BOUNDARY
  - CHANNEL LIMIT
  - CHANNEL CENTRELINE
  - NAVIGATION LIGHT
  - BUOY
  - APPROXIMATE LIMITS OF DREDGING

revision	description	date
0	ISSUED FOR TENDER	2020/06/18

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- B drawing no. - where detail required dessin no. - où détail exigé
- C drawing no. - where detailed dessin no. - où détaillé

project title  
titre du projet  
**ST. MARY'S RIVER  
NAVIGATIONAL DREDGING 2020  
SAULT STE MARIE, ONTARIO**

drawing title  
titre du dessin  
**DREDGING PLAN - 11**

drawn by dessiné par	T.G./A.C.
designed by conçue par	J.P.
approved by approuvé par	R.J.
bid offer offre	-
project manager administrateur de projets	-

project date date du projet	2020-06-18
project no. no. du projet	R.101931.001
drawing no. dessiné no.	C-13

MATCHLINE 'J'  
(FOR CONT. SEE DWG. C-12)

INTERNATIONAL BOUNDARY  
CANADA  
U.S.A.

DREDGING PLAN





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- LEGEND :**
- INTERNATIONAL BOUNDARY
  - CHANNEL LIMIT
  - CHANNEL CENTRELINE
  - NAVIGATION LIGHT
  - BUOY
  - APPROXIMATE LIMITS OF DREDGING

revision	description	date
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- B drawing no. - where detail required / dessin no. - où détail exigé
- C drawing no. - where detailed / dessin no. - où détaillé

project title / titre du projet  
**ST. MARY'S RIVER  
NAVIGATIONAL DREDGING 2020  
SAULT STE MARIE, ONTARIO**

drawing title / titre du dessin  
**DREDGING PLAN - 12**

drawn by / dessiné par  
**T.G./A.C.**

designed by / conçu par  
**J.P.**

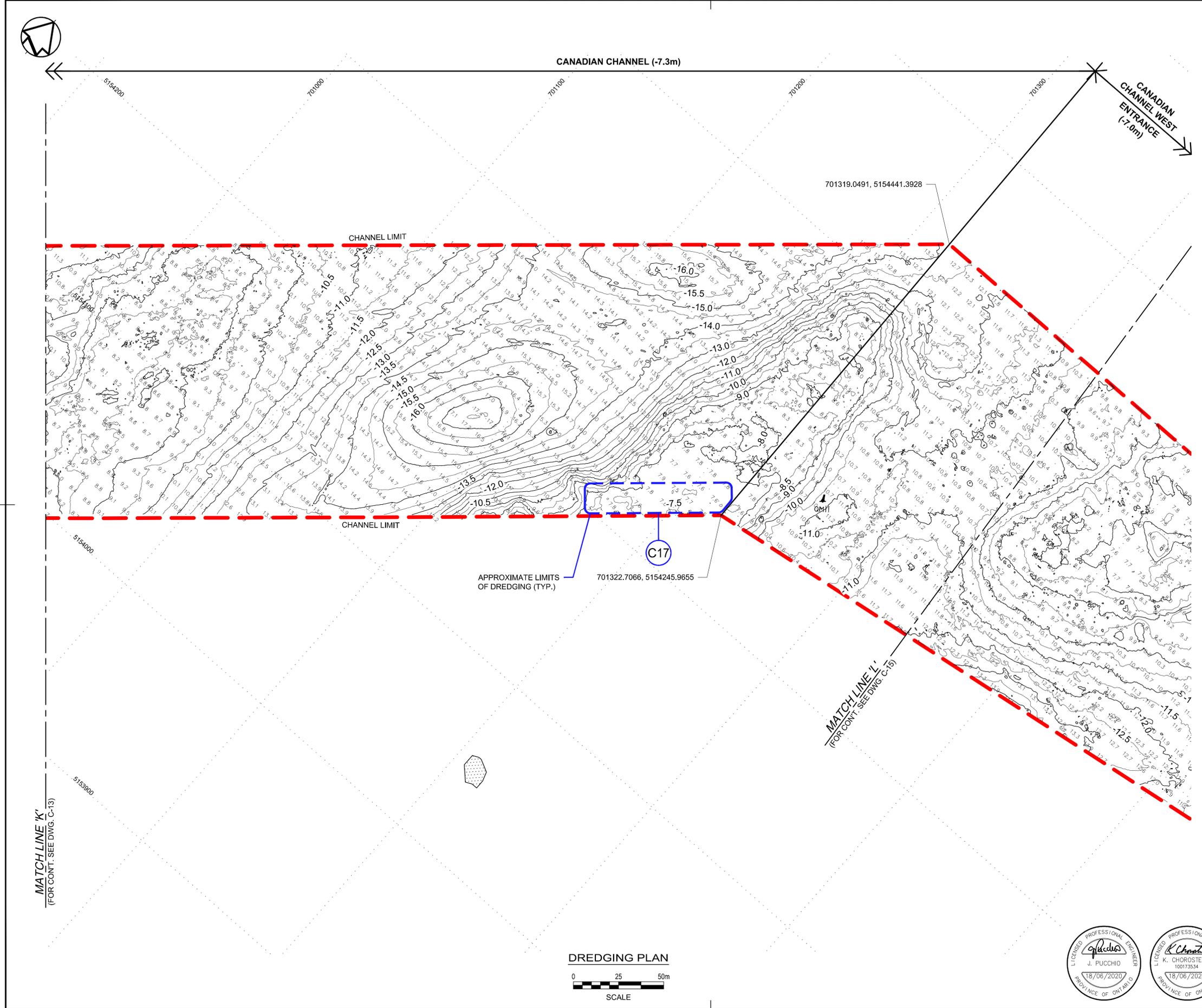
approved by / approuvé par  
**R.J.**

bid offer / offre  
project manager / administrateur de projets

project date / date du projet  
**2020-06-18**

project no. / no. du projet  
**R.101931.001**

drawing no. / dessiné no.  
**C-14**



**DREDGING PLAN**  
0 25 50m  
SCALE





# AECOM

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- LEGEND :**
- INTERNATIONAL BOUNDARY
  - CHANNEL LIMIT
  - CHANNEL CENTRELINE
  - NAVIGATION LIGHT
  - BUOY
  - APPROXIMATE LIMITS OF DREDGING

revision	description	date
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- C drawing no. - where detailed / dessin no. - où détaillé

project title / titre du projet  
**ST. MARY'S RIVER  
NAVIGATIONAL DREDGING 2020  
SAULT STE MARIE, ONTARIO**

drawing title / titre du dessin  
**DREDGING PLAN - 13**

drawn by / dessiné par  
**T.G./A.C.**

designed by / conçu par  
**J.P.**

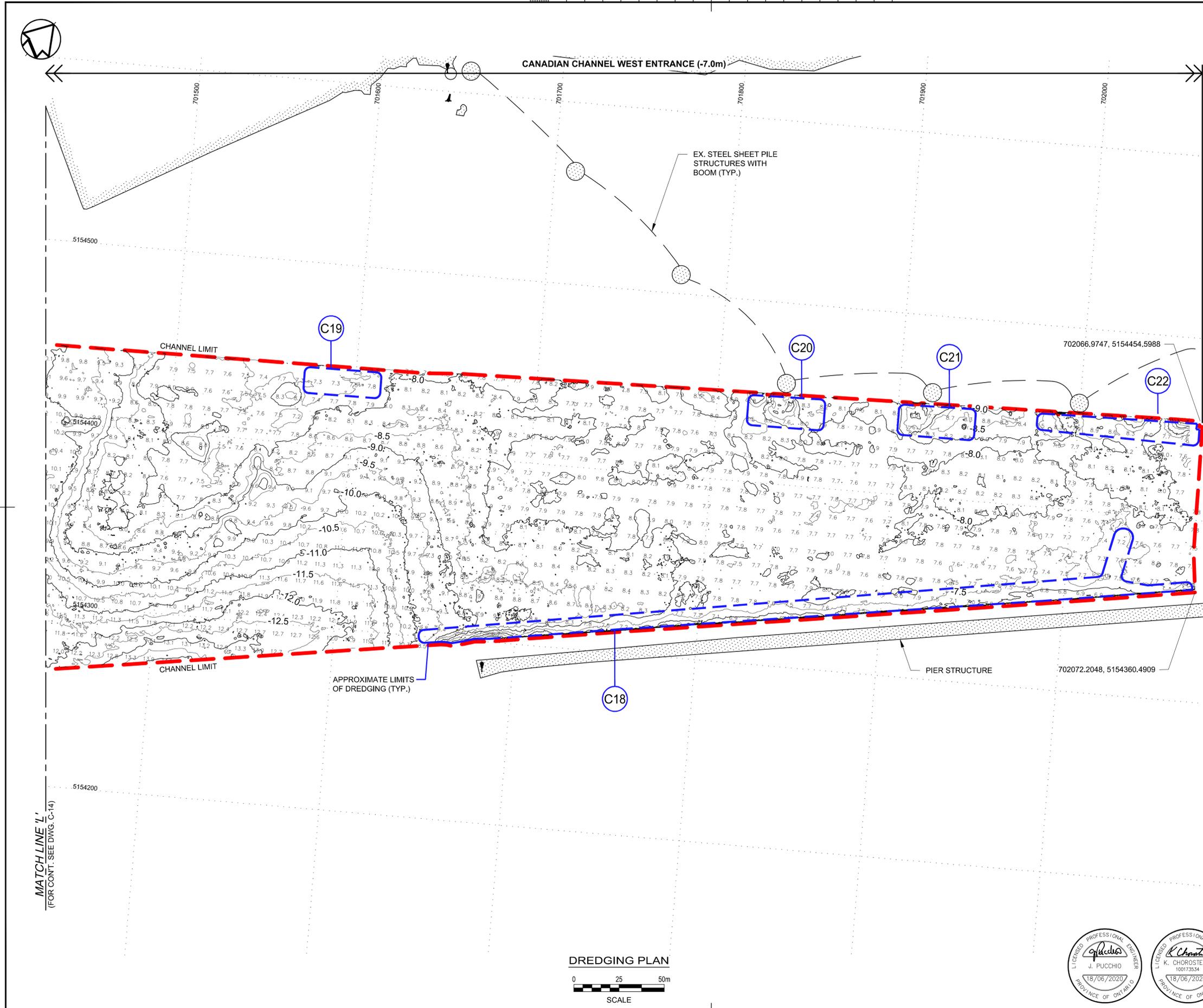
approved by / approuvé par  
**R.J.**

bid offer / offre de soumission  
-

project date / date du projet  
**2020-06-18**

project no. / no. du projet  
**R.101931.001**

drawing no. / dessin no.  
**C-15**



**DREDGING PLAN**  
0 25 50m  
SCALE

