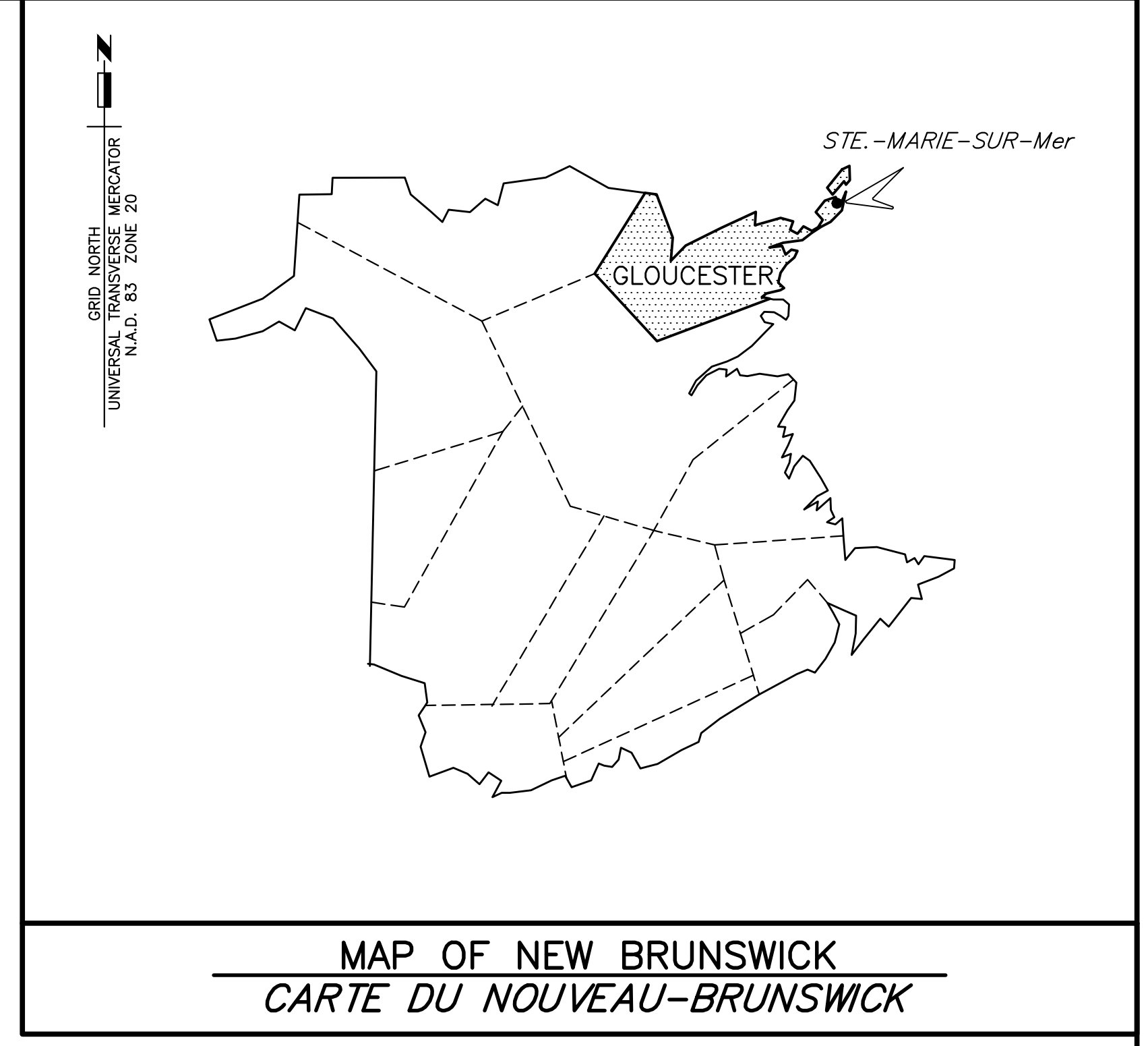


**Fisheries and Oceans
Canada**

**Small Craft Harbours
Maritimes / Gulf Region**

**Pêches et Océans
Canada**

**Ports pour Petits Bateaux
Région des Maritimes / Golfe**



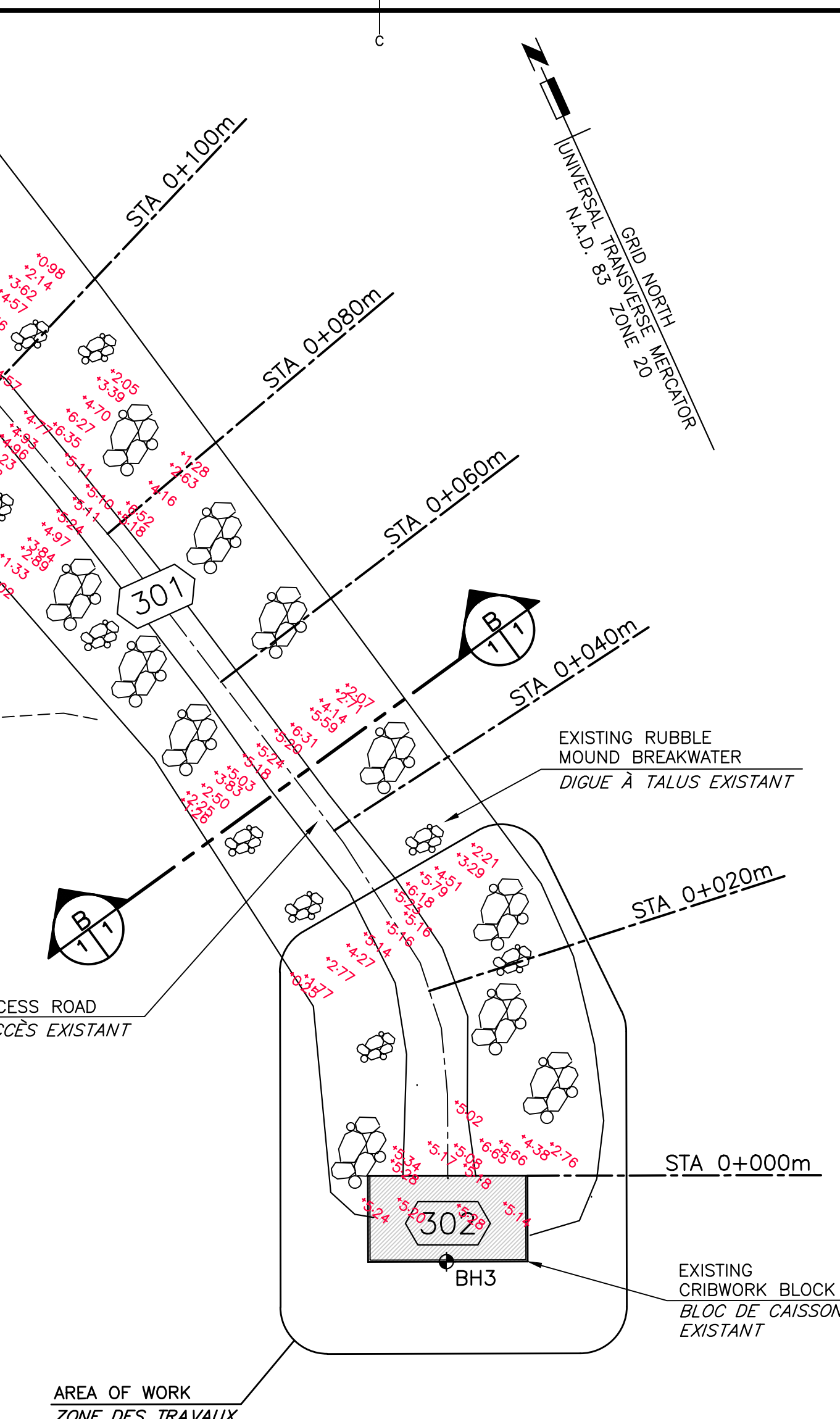
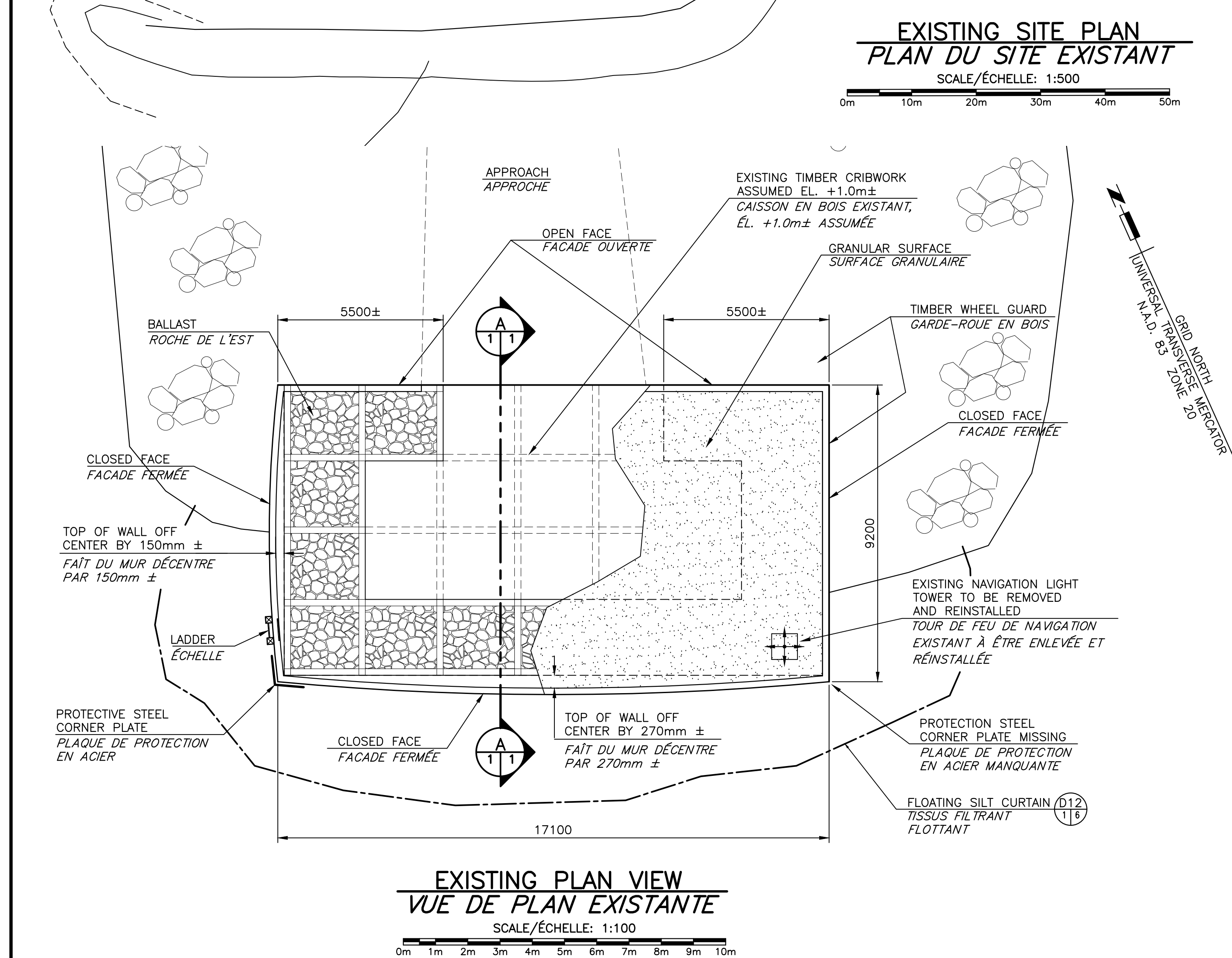
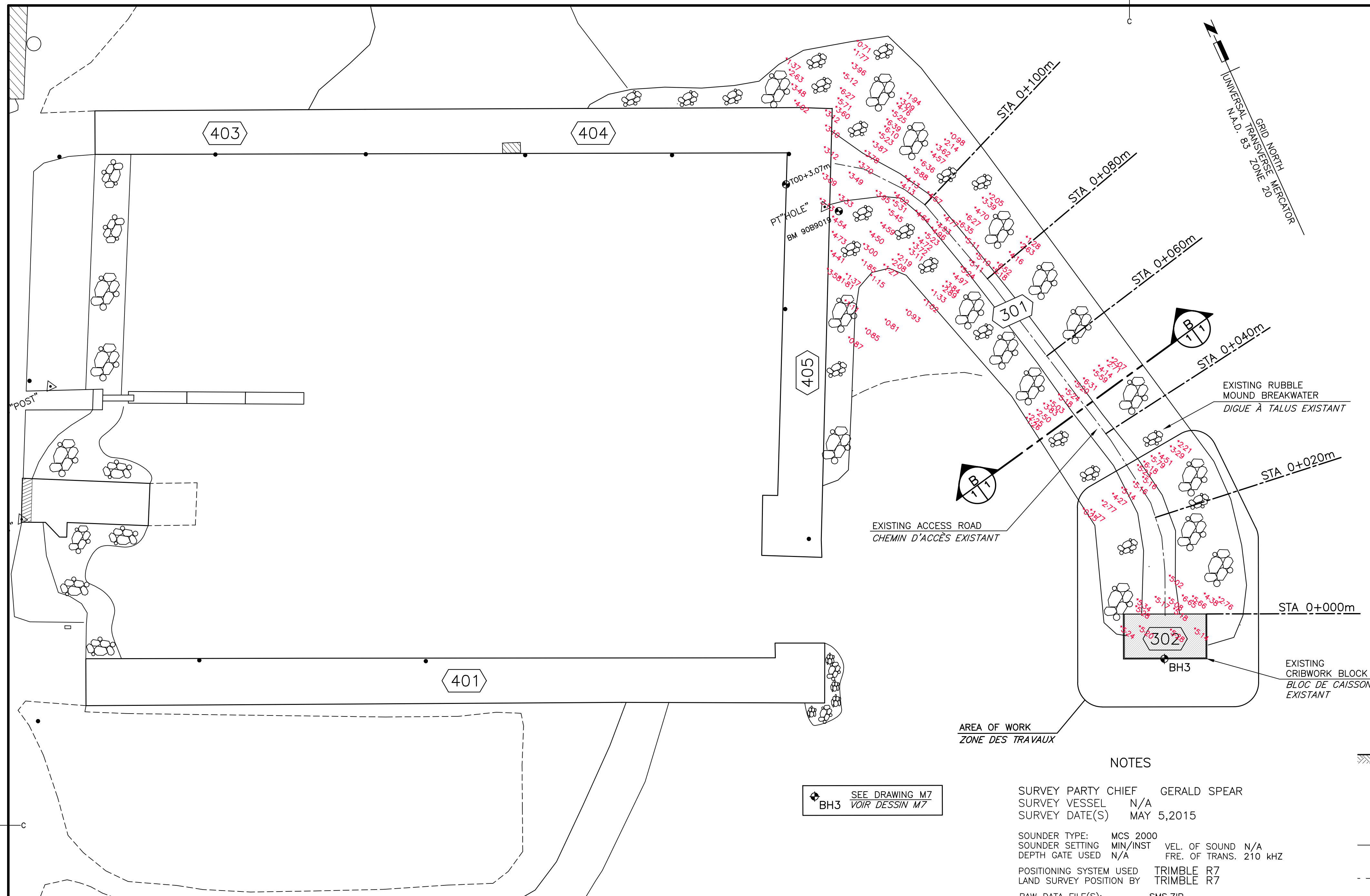
**WHARVES RECONSTRUCTION
RECONSTRUCTION DES QUAIS
STRUCTURES 301 & 302
SANITE-MARIE-SUR-MER
N.B./N.-B.**

PROJECT NO. F4718-150028

DRAWING LIST/LISTE DE DESSINS

- M1 EXISTING SITE PLAN AND SECTIONS
PLAN DE SITE EXISTANT ET COUPES
- M2 PLAN OF NEW WORK AND ELEVATIONS
PLAN DES NOUVEAUX TRAVAUX ET ÉLEVATIONS
- M3 PLAN OF PILE LAYOUT, SECTIONS AND DETAILS
PLAN DES PIEUX, COUPES ET DÉTAILS
- M4 SECTIONS AND DETAILS
COUPES ET DÉTAILS
- M5 REINFORCING SECTIONS AND DETAILS
COUPES ET DÉTAILS D'ARMATURE
- M6 SECTIONS AND DETAILS
COUPES ET DÉTAILS
- M7 BOREHOLE RECORDS
RECORD DE FORAGE





NOTES

SURVEY PARTY CHIEF GERALD SPEAR
 SURVEY VESSEL N/A
 SURVEY DATE(S) MAY 5, 2015

SOUNDER TYPE: MCS 2000
 SOUNDER SETTING MIN/INST N/A
 DEPTH GATE USED N/A
 VELOCITY OF SOUND N/A
 FRE. OF TRANS. 210 KHZ

POSITIONING SYSTEM USED TRIMBLE R7
 LAND SURVEY POSITION BY TRIMBLE R7

RAW DATA FILE(S): SMS.ZIP
 CAD DRAWING FILE(S): SAINTMARIESURMER2015.DWG

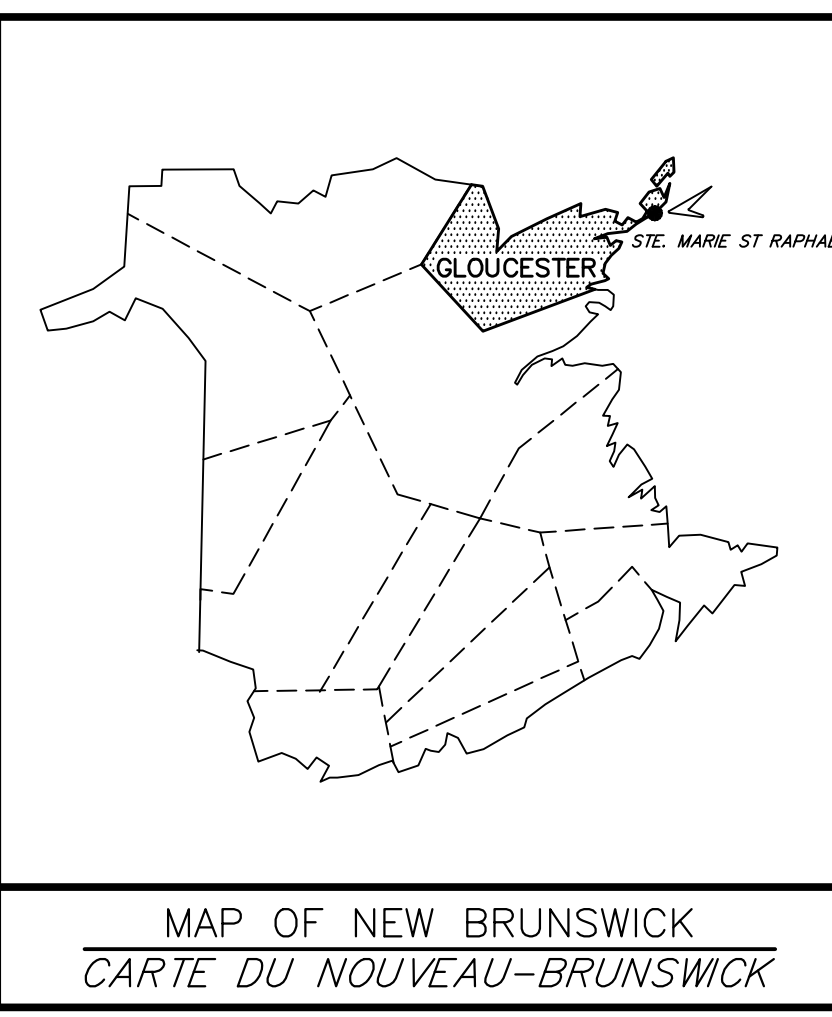
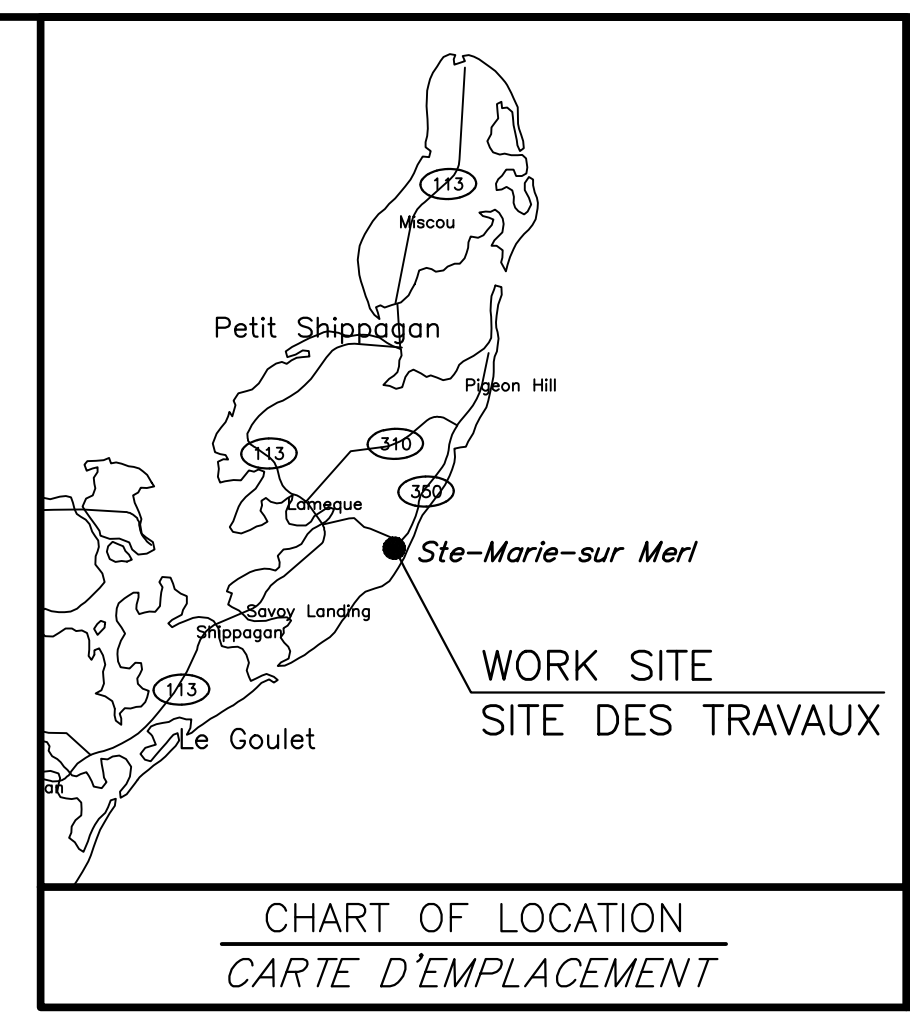
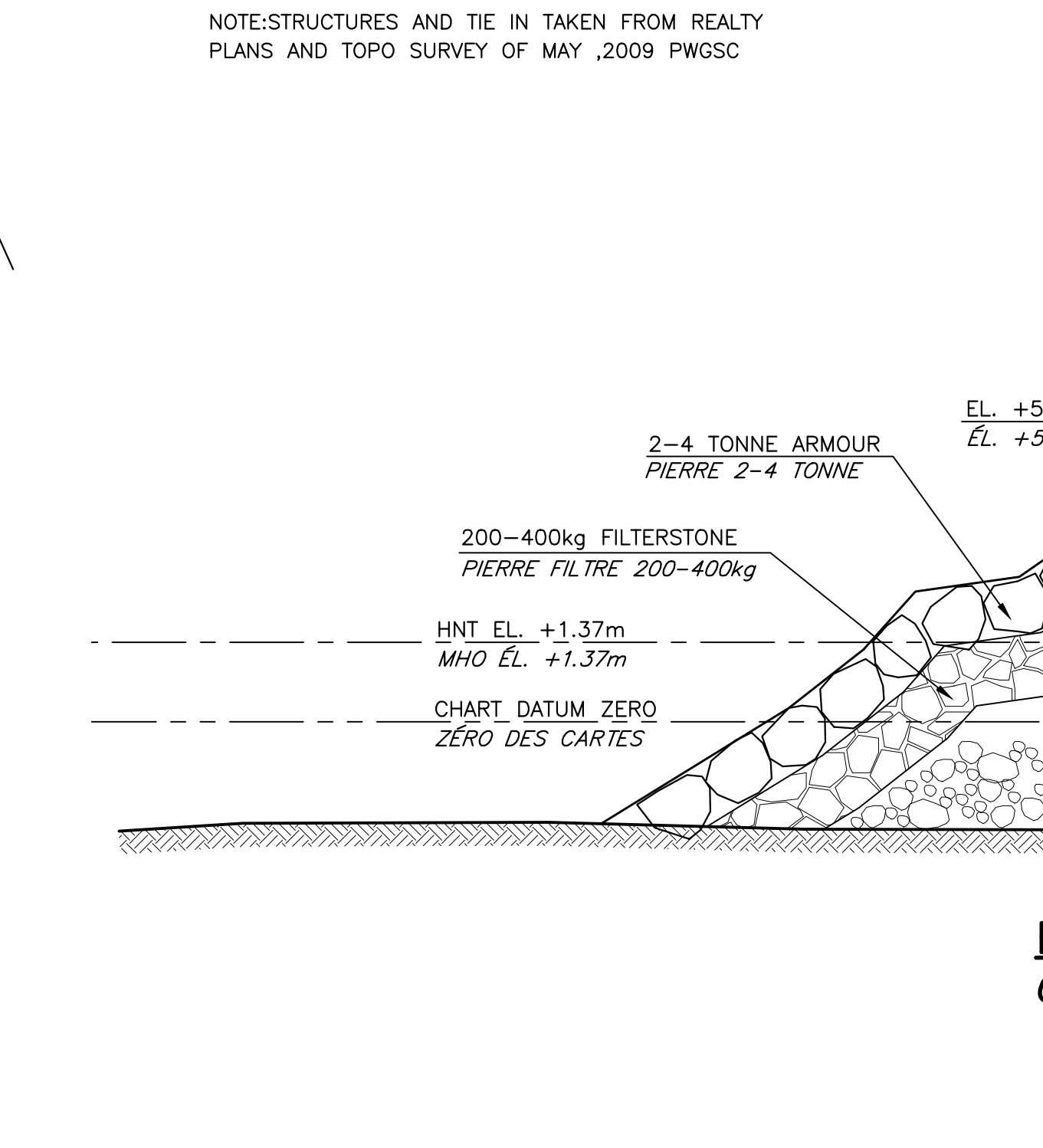
TIDAL REDUCTION SCHEME BM TOP OF CONCRETE DECK ELEV. +3.07
 REFERENCED TO CHS BM 9089019, ELEV. +4.350m ABOVE CD

OFFICE PROCESSOR GERALD SPEAR
 DATE OF PROCESSING MAY 14, 2015

MODE OF PLOTTING LEAST OF MINIMUM DEPTHS
 MATRIX CELL WIDTH X LENGTH 1.2m x 3.0m

| CONTROL POINTS: | PL NAME | EASTING | NORTHING | CD ELEV | DESCRIPTION |
|-----------------|------------|-------------|----------|---------|--------------|
| 4777 | 382592.069 | 5293236.481 | N/A | N/A | LRIS CONTROL |
| 9089019 | N/A | N/A | N/A | +4.350 | CHS MONUMENT |
| PT HOLE | 382833.848 | 5293125.981 | N/A | +3.14 | PWC CONTROL |
| 9089018 | N/A | N/A | N/A | +4.709 | CHS MONUMENT |
| PTHALLOUT | 382657.327 | 5293135.457 | N/A | +2.94 | PWC CONTROL |
| PT POST | 382673.957 | 5293157.880 | N/A | +3.71 | PWC CONTROL |

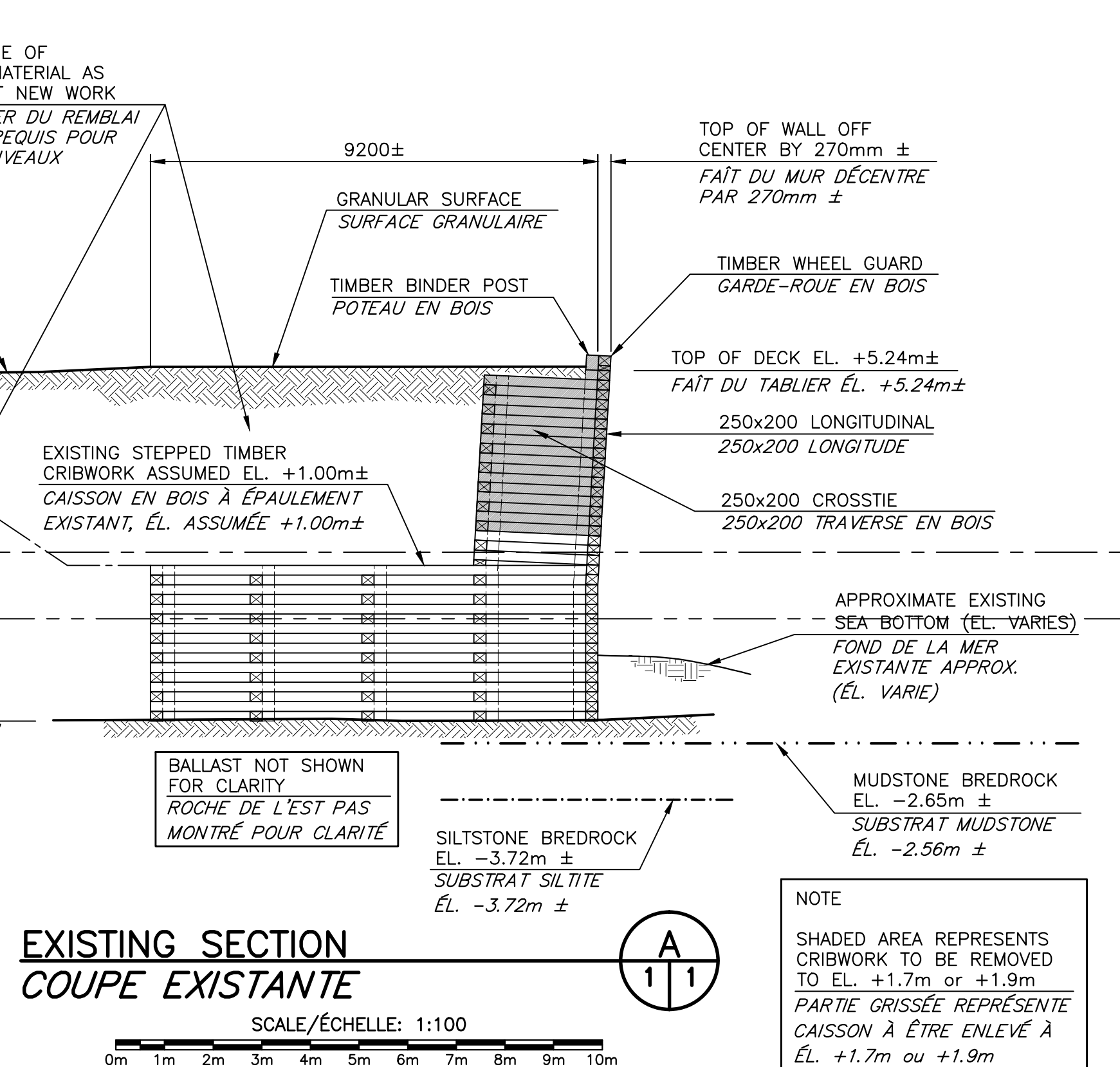
NOTE: STRUCTURES AND TIE IN TAKEN FROM REALTY PLANS AND TOPO SURVEY OF MAY, 2009 PWGSC



GENERAL NOTES
NOTES GÉNÉRALES

1 - EXISTING PLAN AND SECTIONS ARE APPROXIMATE ONLY. THE ACTUAL CONSTRUCTION CONFIGURATION AND DETAILS MAY DIFFER THAN SHOWN.
 1 - PLAN ET COUPES EXISTANTS SONT APPROXIMATIFS SEULEMENTS. LES CONDITIONS DE CONSTRUCTIONS RÉELLES ET DÉTAILS PEUVENT ÊTRE DIFFÉRENTS TEL QUE MONTRER.

2 - CRIBSEAT ELEVATION SHOWN IS APPROXIMATE ONLY AND EXACT ELEVATION MAY DIFFER.
 2 - ÉLÉVATION DU BAS DU CAISSON EST APPROXIMATIF SEULEMENT ET ÉLÉVATION EXACT PEU VARIER

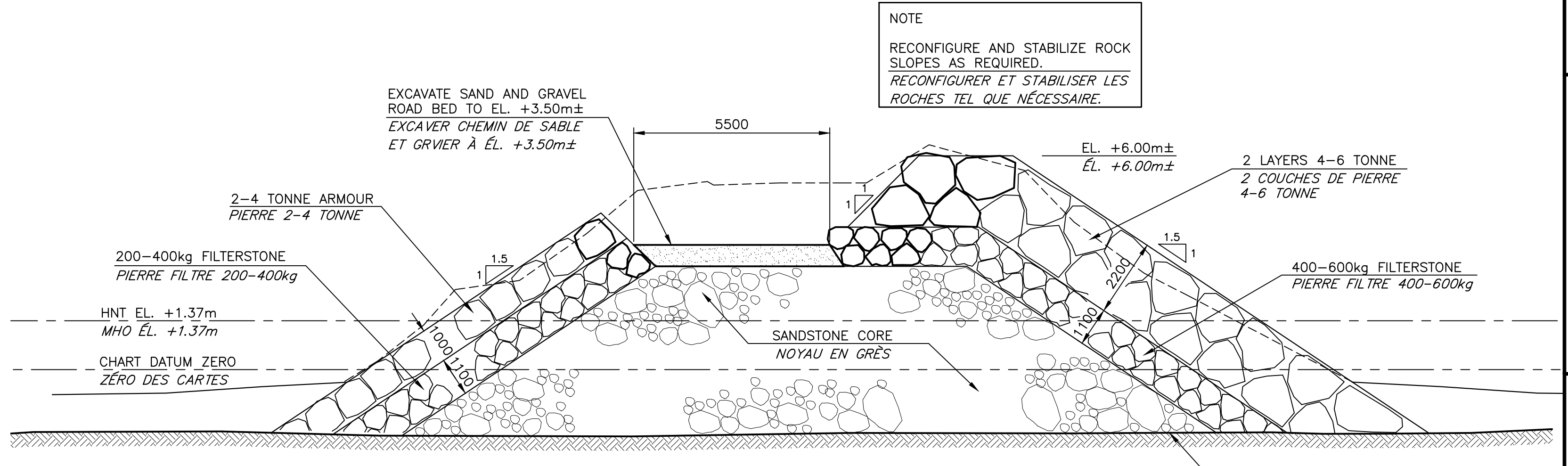
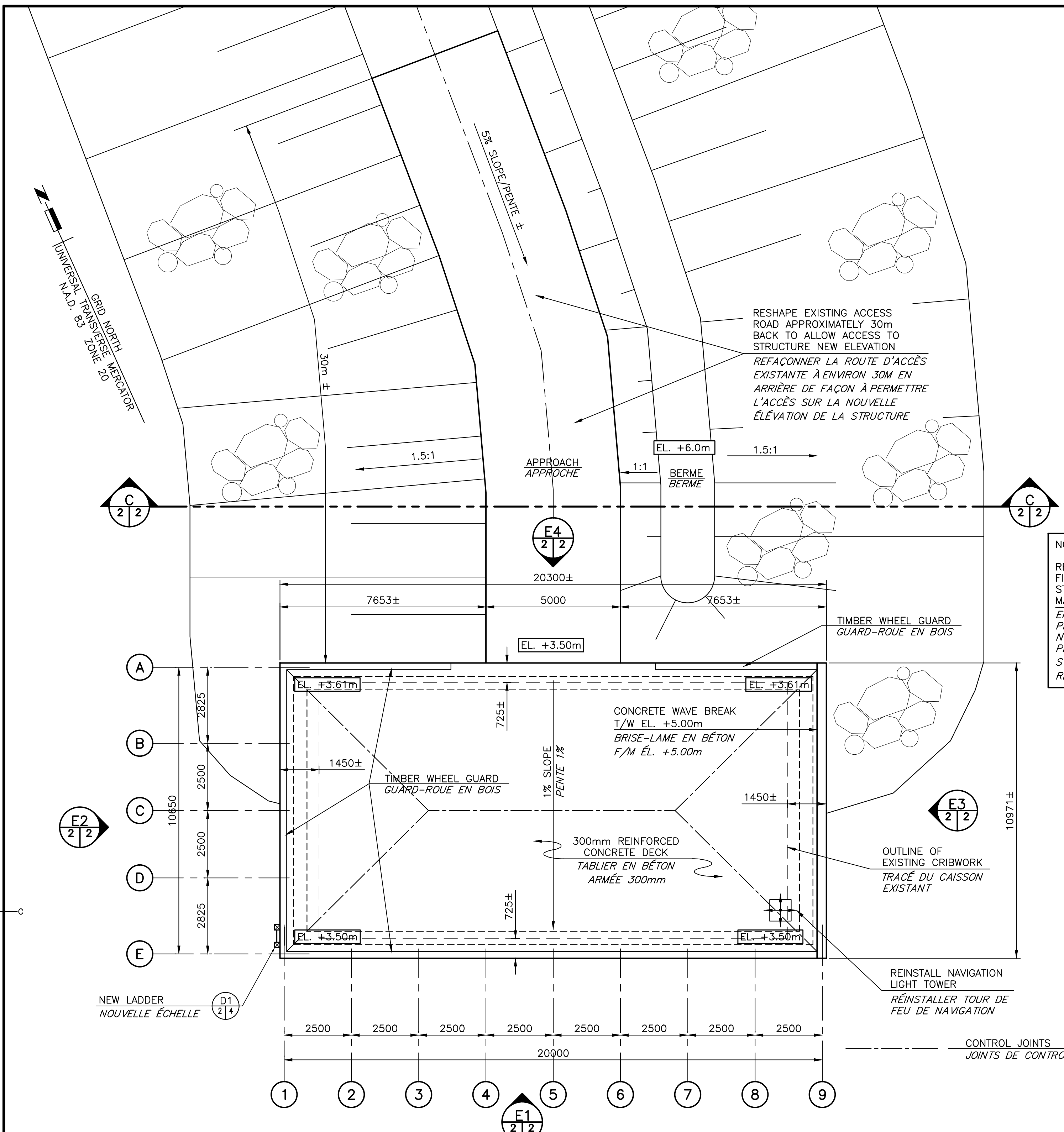


Fisheries and Oceans Canada
 Pêches et Océans Canada
 Small Craft Harbours / Ports pour Petits Bateaux
 Maritimes / Gulf Region / Région des Maritimes / Golfe

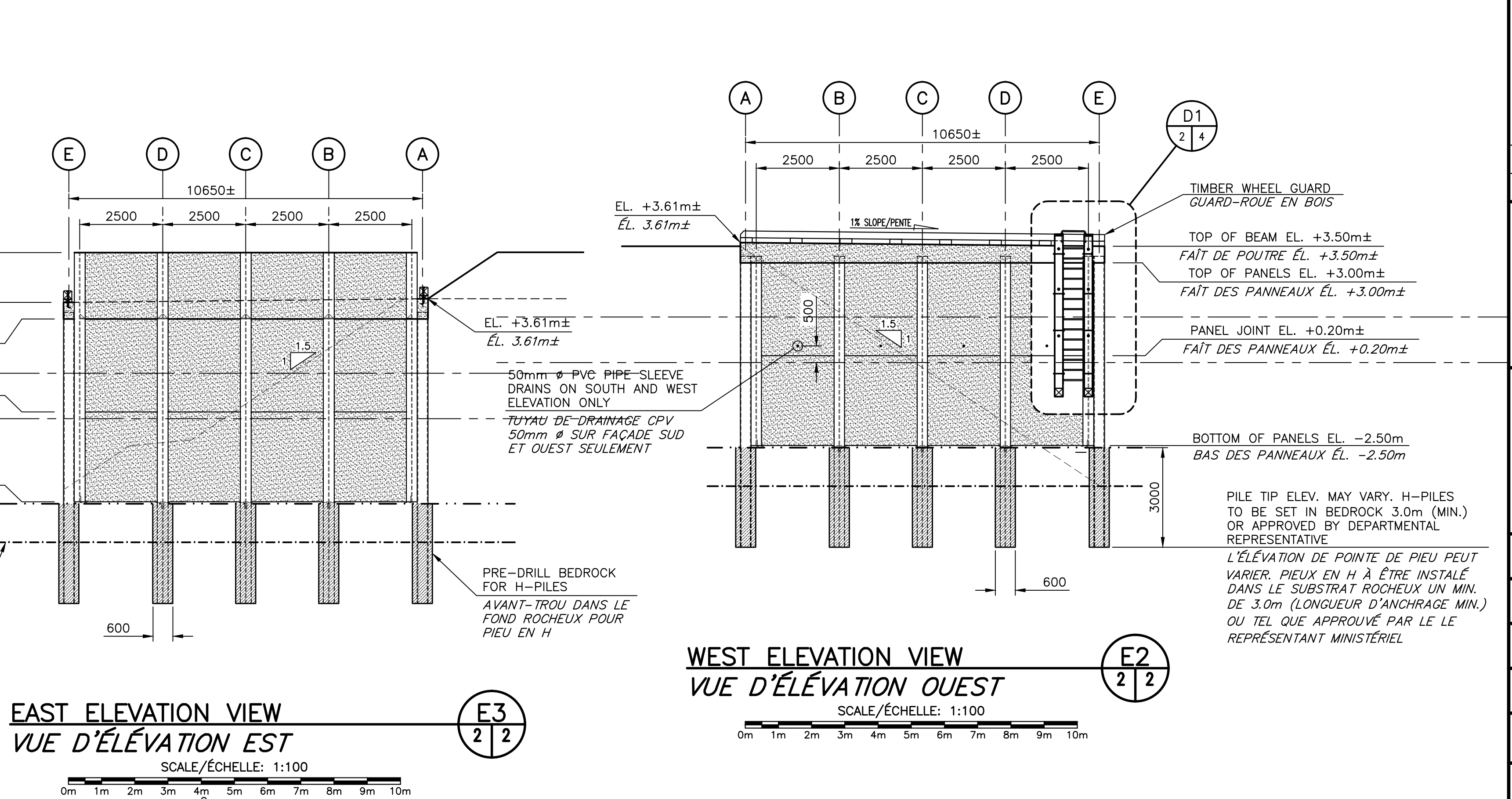
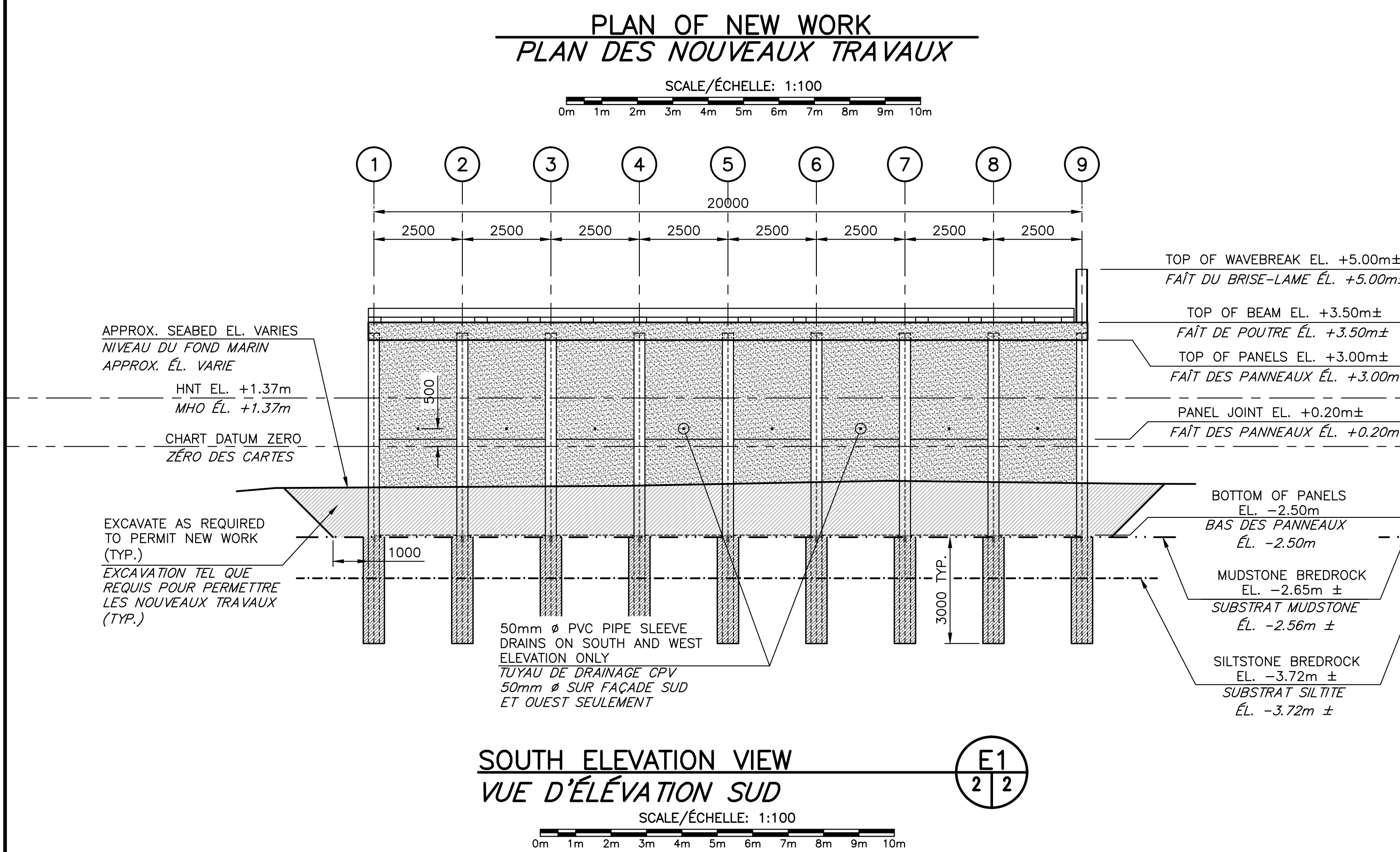
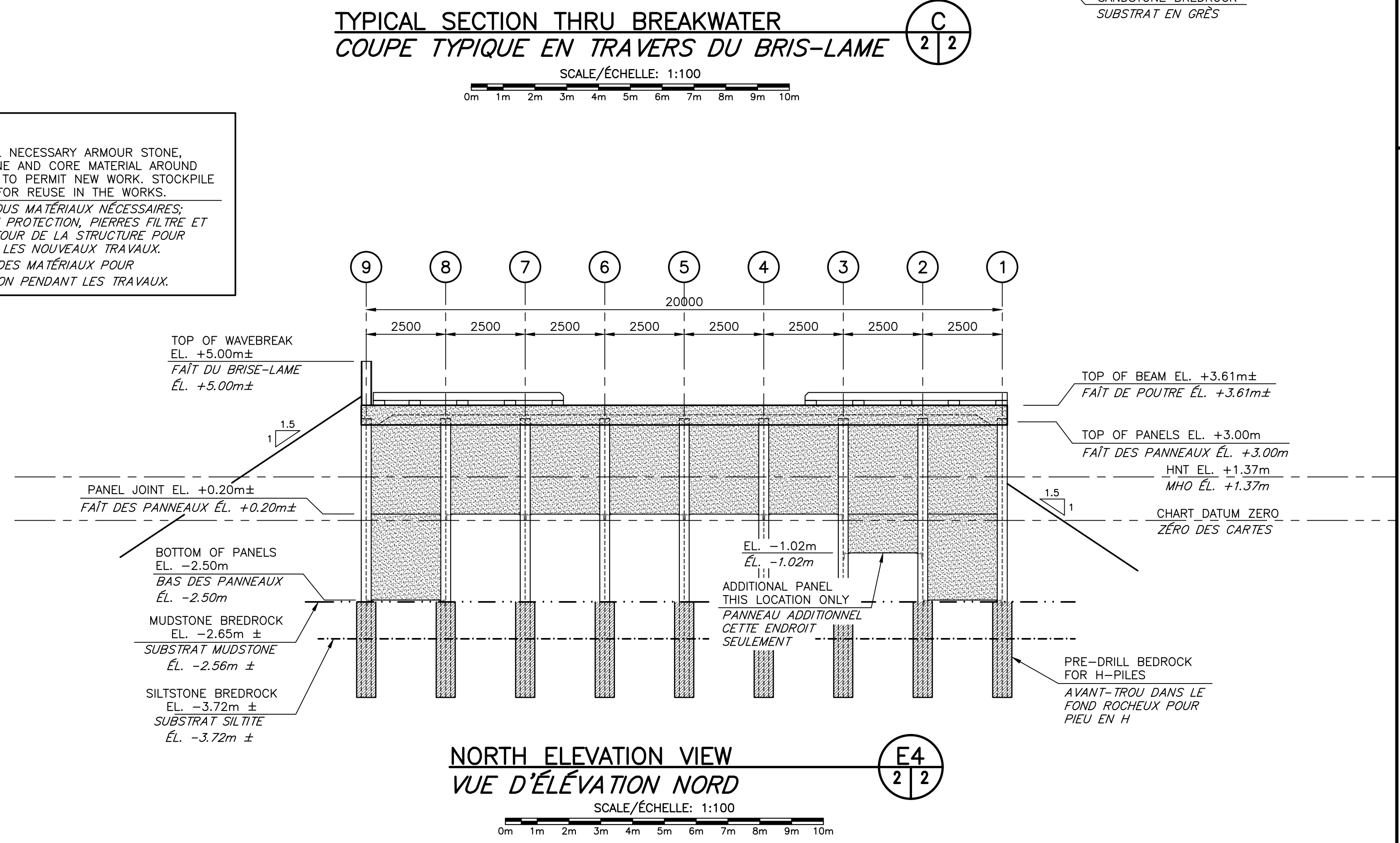
Boucher Eng. & Const. Ltd.
 Dieppe, N.B.
 Tel.: (506)854-4233
 Fax.: (506)855-6544
 e-mail: cyb@bmet.nb.ca

REGISTERED PROFESSIONAL ENGINEER
 #M4875
 Claude Boucher
 2015
 Sept. 24/2015
 Province of New Brunswick
 Ingénieur Immobilisable

| | | |
|--|---------------------------------|------------|
| 1 | ISSUED FOR TENDER/ÉMIS D'OFFRES | 09/18/2015 |
| revisions | | date |
| project | project | |
| WHARVES RECONSTRUCTION | | |
| RECONSTRUCTION DES QAIS | | |
| STRUCTURES 301 & 302 | | |
| SAINT-MARIE-SUR-MER | | |
| COMTÉ DE GLOUCESTER COUNTY | | |
| drawing | design | |
| EXISTING SITE PLAN AND SECTIONS | | |
| PLAN DE SITE ET COUPES EXISTANTES | | |
| designed | designé | |
| date | SEPTEMBER/SEPTEMBRE 2015 | |
| drawn | P.LEBLANC | designé |
| date | SEPTEMBER/SEPTEMBRE 2015 | |
| approved | approuvé | |
| date | | |
| Tender | Submission | |
| Project Manager | Administrateur de projets | 28/09/15 |
| project number | no. du projet | |
| F4718-150028 | | |
| drawing no. | no. du dessin | |
| M1 of/de M7 | | |



NOTE: REMOVE ALL NECESSARY ARMOUR STONE, FILTER STONE AND CORE MATERIAL AROUND STRUCTURE TO PERMIT NEW WORK. STOCKPILE MATERIALS FOR REUSE IN THE WORKS.
ENLEVER TOUS MATÉRIEL NECESSAIRES: PIERRES DE PROTECTION, PIERRES FILTRE ET NOYAU AUTOUR DE LA STRUCTURE POUR PERMETTRE LES NOUVEAUX TRAVAUX. STOCKAGE DES MATÉRIEL POUR RÉUTILISATION PENDANT LES TRAVAUX.



| | | |
|-----------|---------------------------------|------------|
| 1 | ISSUED FOR TENDER/ÉMIS D'OFFRES | 09/18/2015 |
| revisions | | date |

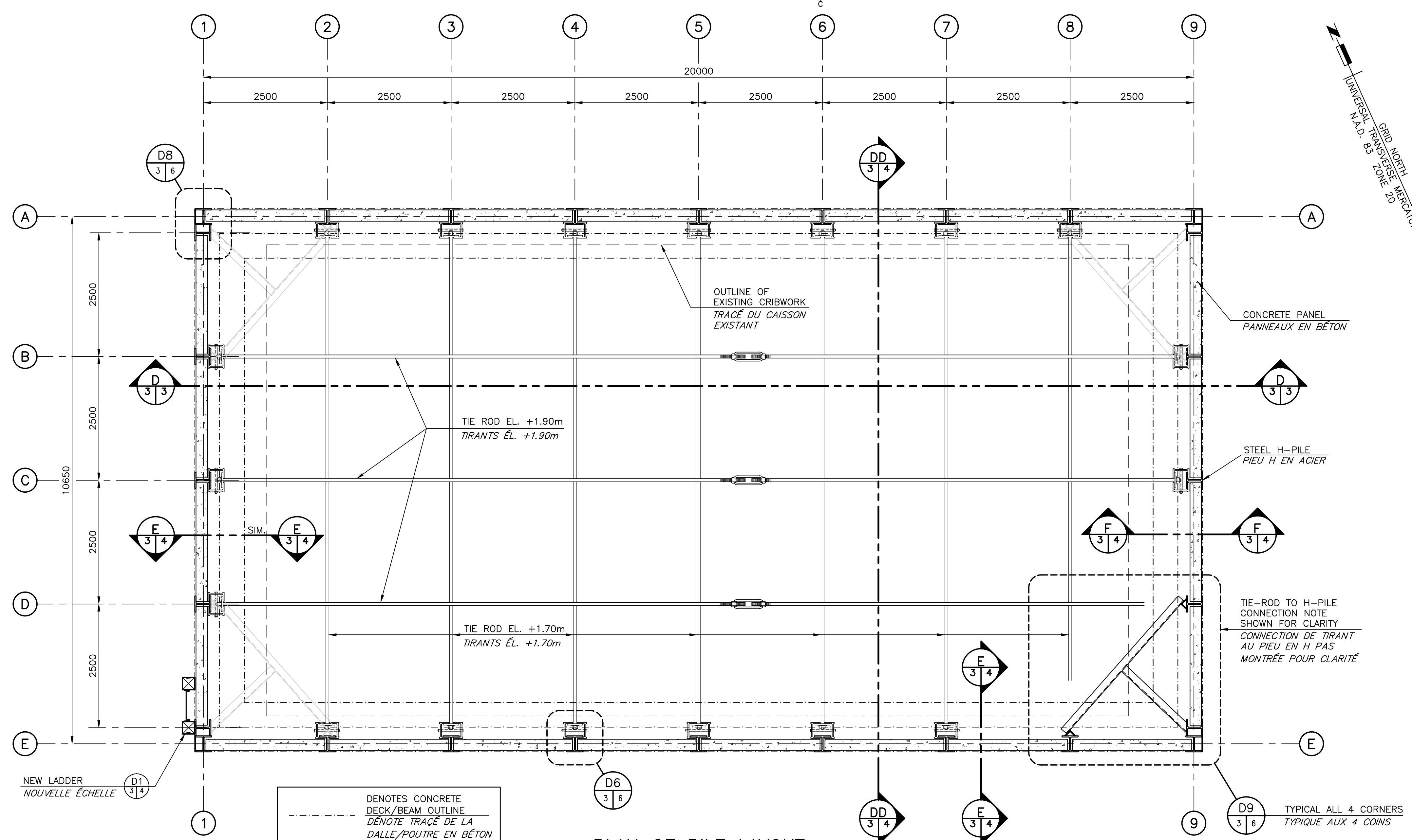
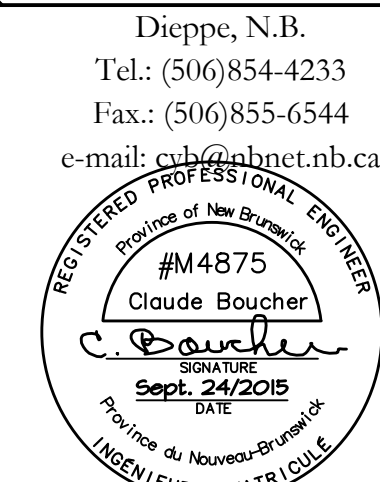
project / projet
**WHARVES RECONSTRUCTION
RECONSTRUCTION DES QUAIS**
STRUCTURES 301 & 302
SAINTE-MARIE-SUR-MER
COMTÉ DE GLOUCESTER COUNTY

drawing / dessin
**PLAN OF NEW WORK
AND ELEVATIONS
PLAN DES NOUVEAUX
TRAVAUX ET ÉLEVATIONS**

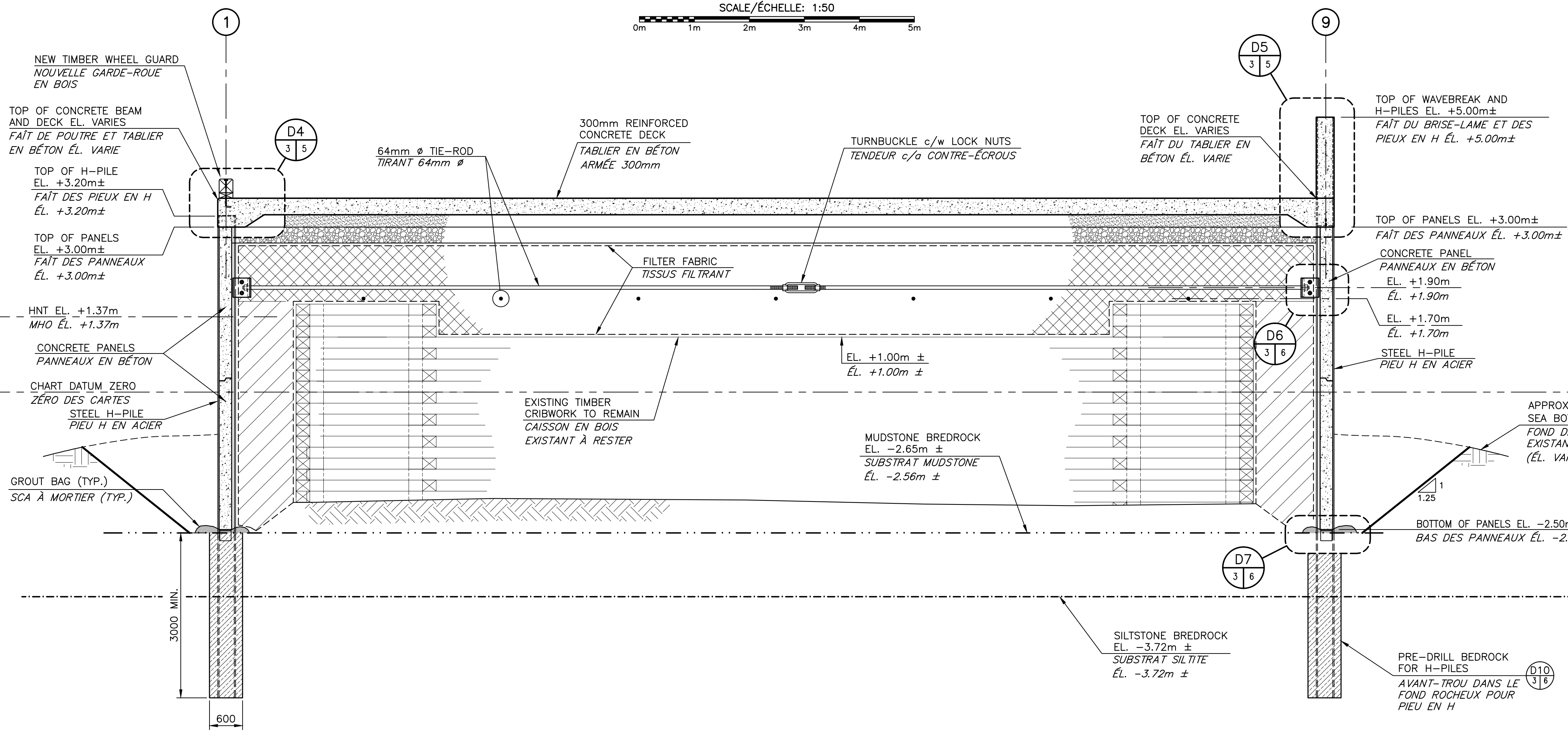
designed BY BOUCHER ENGINEERING CONSTRUCTION / dessiné par BOUCHER ENGINEERING CONSTRUCTION
date / date: SEPTEMBER/SEPTEMBRE 2015
drawn / dessiné: P.LEBLANC
date / date: SEPTEMBER/SEPTEMBRE 2015
approved / approuvé

date / date
Tender / Soumission
Project Manager / Administrateur de projets
project number / no. du projet
F4718-150028

drawing no. / no. du dessin
M2 of/de M7



PLAN OF PILE LAYOUT
PLAN DES PIEUX
SCALE/ÉCHELLE: 1:50



NEW SECTION
COUPE NOUVELLE
SCALE/ÉCHELLE: 1:50

- 200mm COMPACTED GRANULAR BASE
FONDATION GRANULAIRE
200mm COMPACTÉ
- 300mm COMPACTED SUB-BASE MATERIAL
COUCHE 300mm ÉPAIS DE FONDATION COMPACTÉ
- NEW COMPACTED R5 RANDOM RIP-RAP BACKFILL
NOUVEAU REMBLAI EN ROCHES COMPACTÉ R5 PRÉLEVÉ AU HASARD
- NEW R25 RANDOM RIP-RAP BACKFILL
NOUVEAU REMBLAI EN ROCHES R25 PRÉLEVÉ AU HASARD

| | | |
|-----------|---------------------------------|------------|
| 1 | ISSUED FOR TENDER/ÉMIS D'OFFRES | 09/18/2015 |
| revisions | | date |

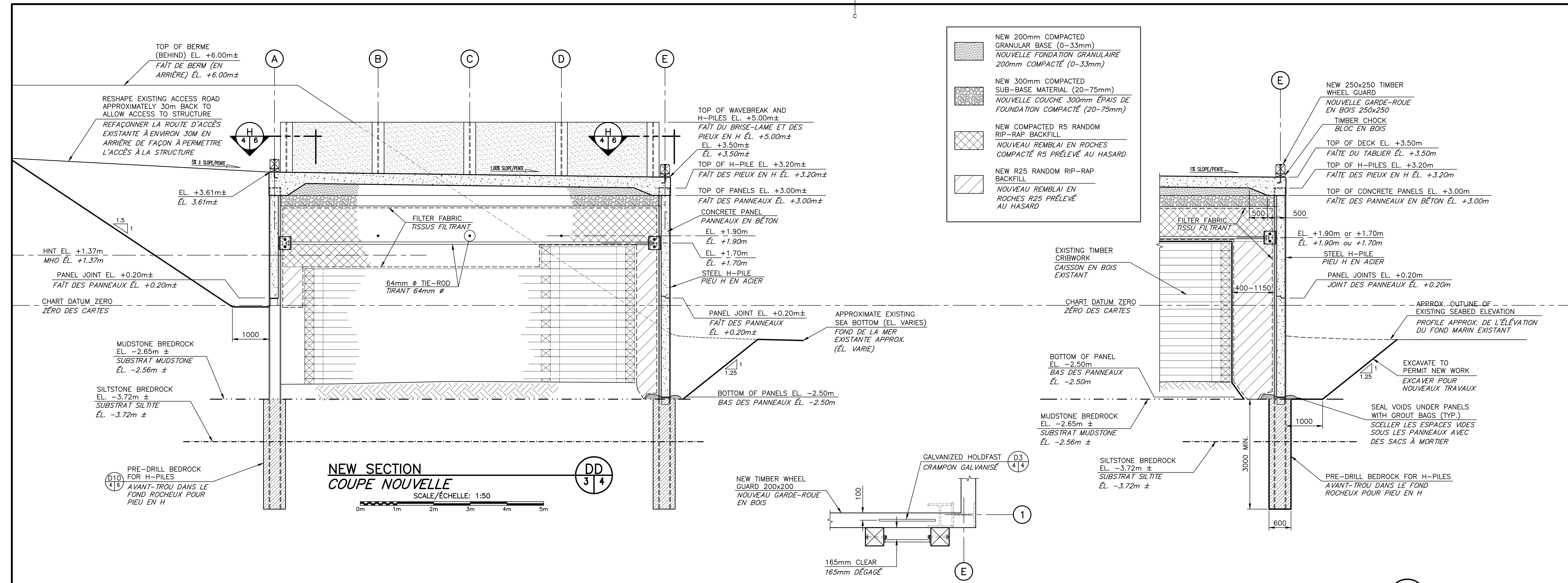
project / projet
WHARVES RECONSTRUCTION
RECONSTRUCTION DES QAIS
STRUCTURES 301 & 302
SAINTE-MARIE-SUR-MER
COMTÉ DE GLOUCESTER COUNTY

drawing / dessin
PLAN OF PILE LAYOUT,
SECTIONS AND DETAILS
PLAN DE DES PIEUX,
COUPES ET DÉTAILS

designed BY BOUCHER ENGINEERING CONSTRUCTION
date / date: SEPTEMBER/SEPTEMBRE 2015
drawn / dessiné: P.LEBLANC
date / date: SEPTEMBER/SEPTEMBRE 2015
approved / approuvé

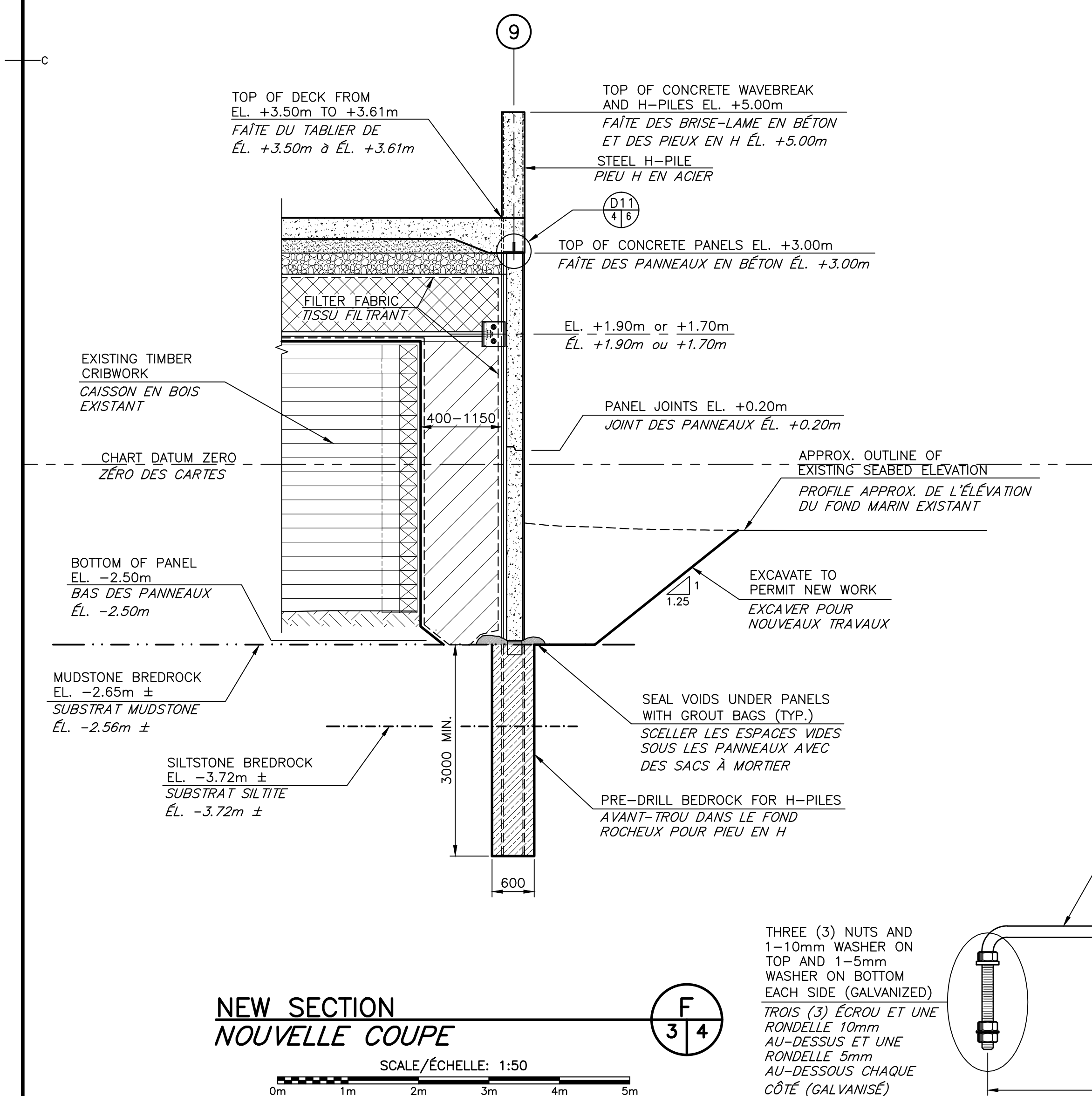
date / date
Tender / Soumission
Project Manager / Administrateur de projets
project number / no. du projet: **F4718-150028**
approved / approuvé

drawing no. / no. du dessin
M3 of/de M7

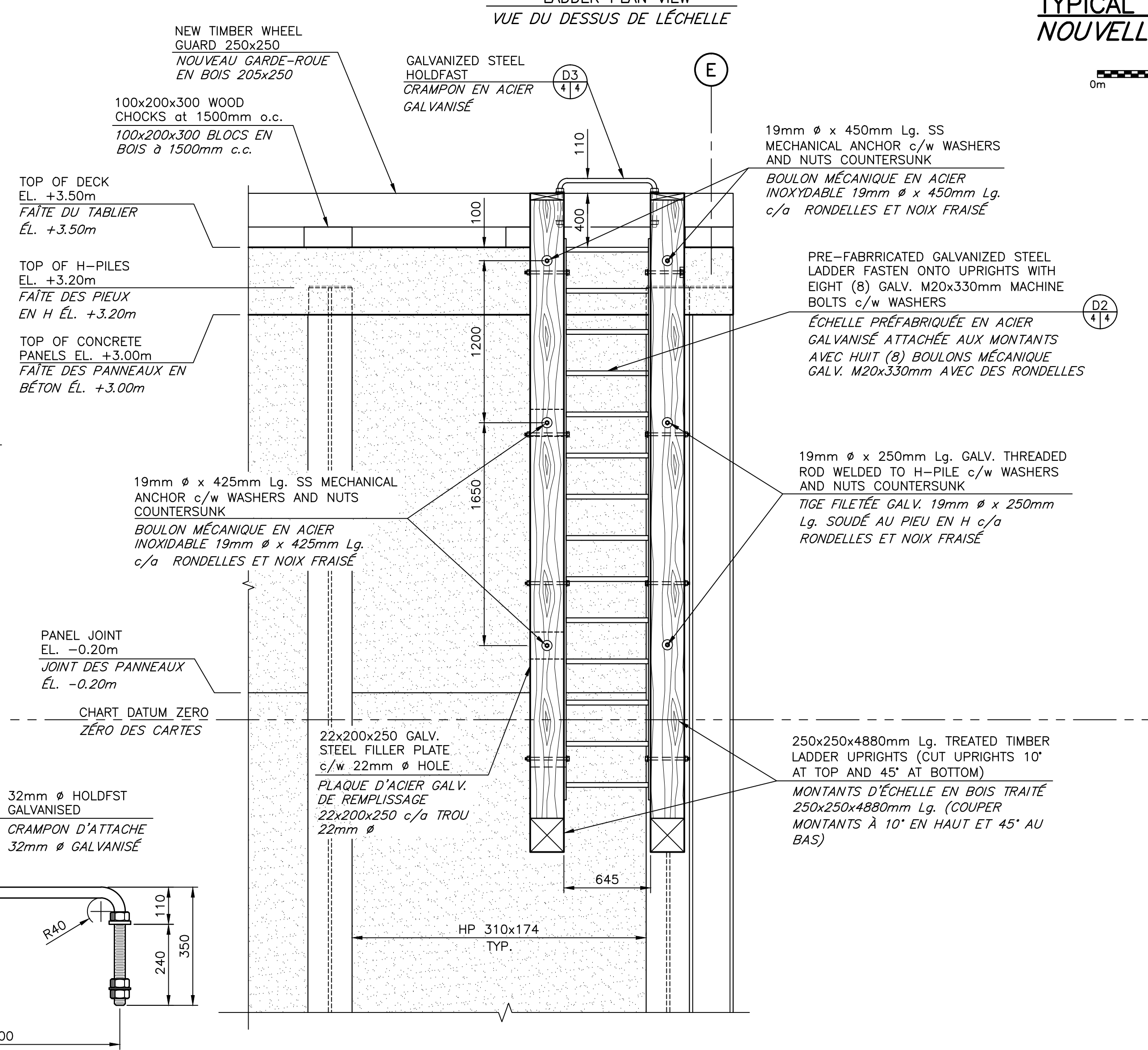


**NEW SECTION
 COUPE NOUVELLE**
 SCALE/ÉCHELLE: 1:50

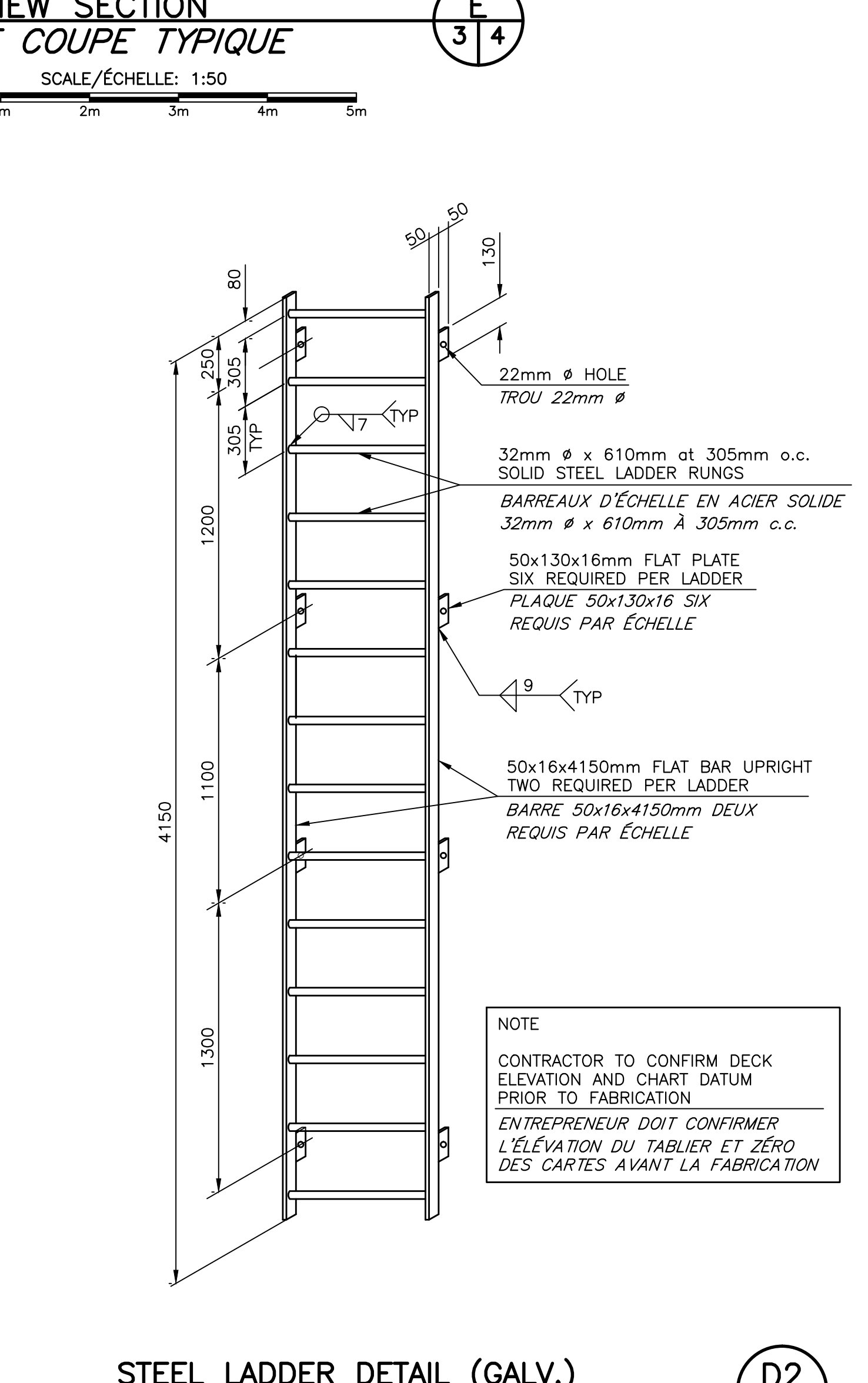
**TYPICAL NEW SECTION
 NOUVELLE COUPE TYPIQUE**
 SCALE/ÉCHELLE: 1:50



**NEW SECTION
 NOUVELLE COUPE**
 SCALE/ÉCHELLE: 1:50



**LADDER DETAIL
 DÉTAIL D'ÉCHELLE**
 SCALE/ÉCHELLE: 1:25

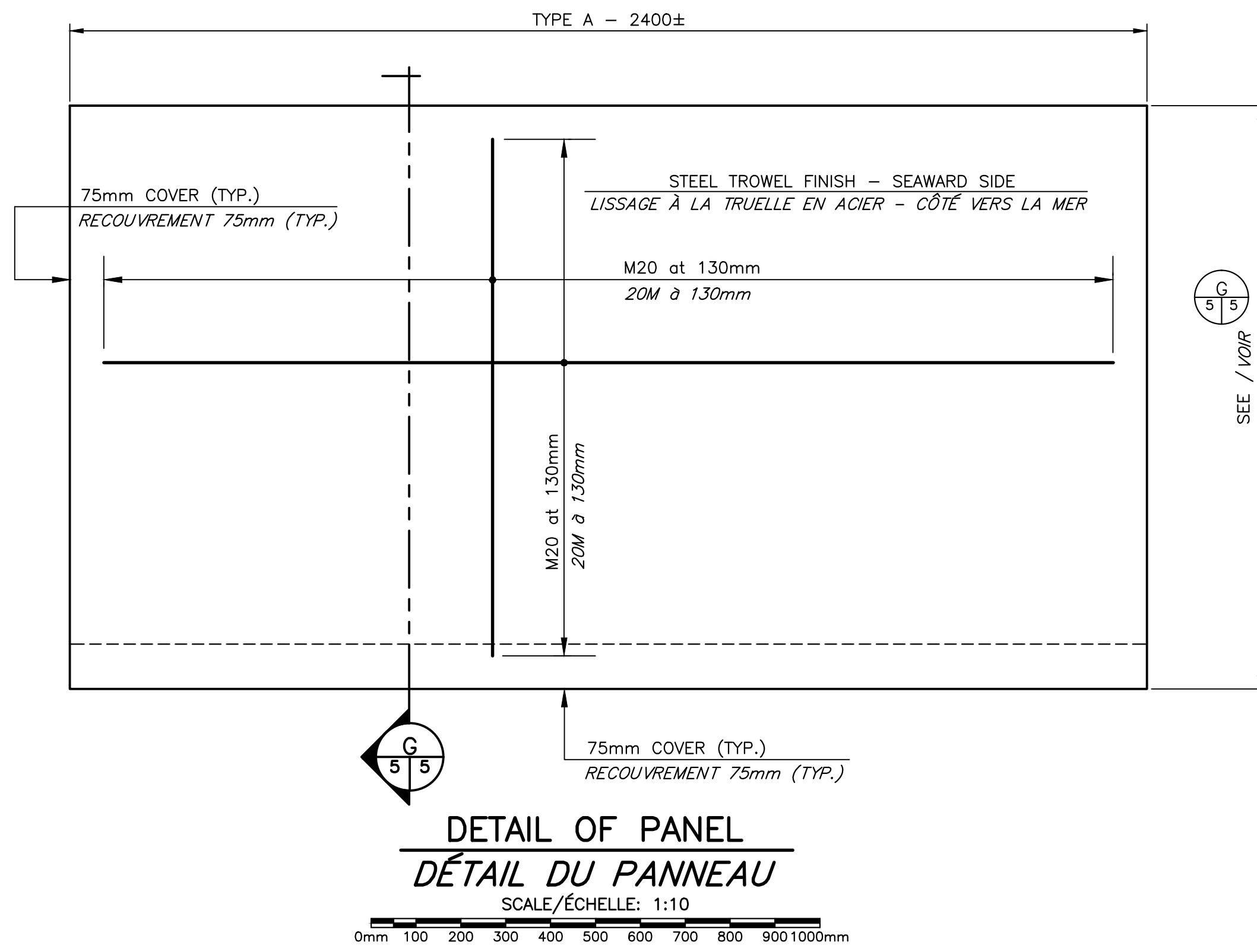
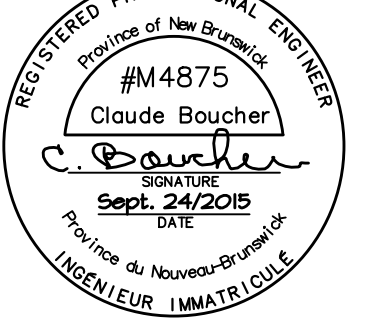


**STEEL LADDER DETAIL (GALV.)
 DÉTAIL D'ÉCHELLE EN ACIER (GALV.)**
 SCALE/ÉCHELLE: 1:20

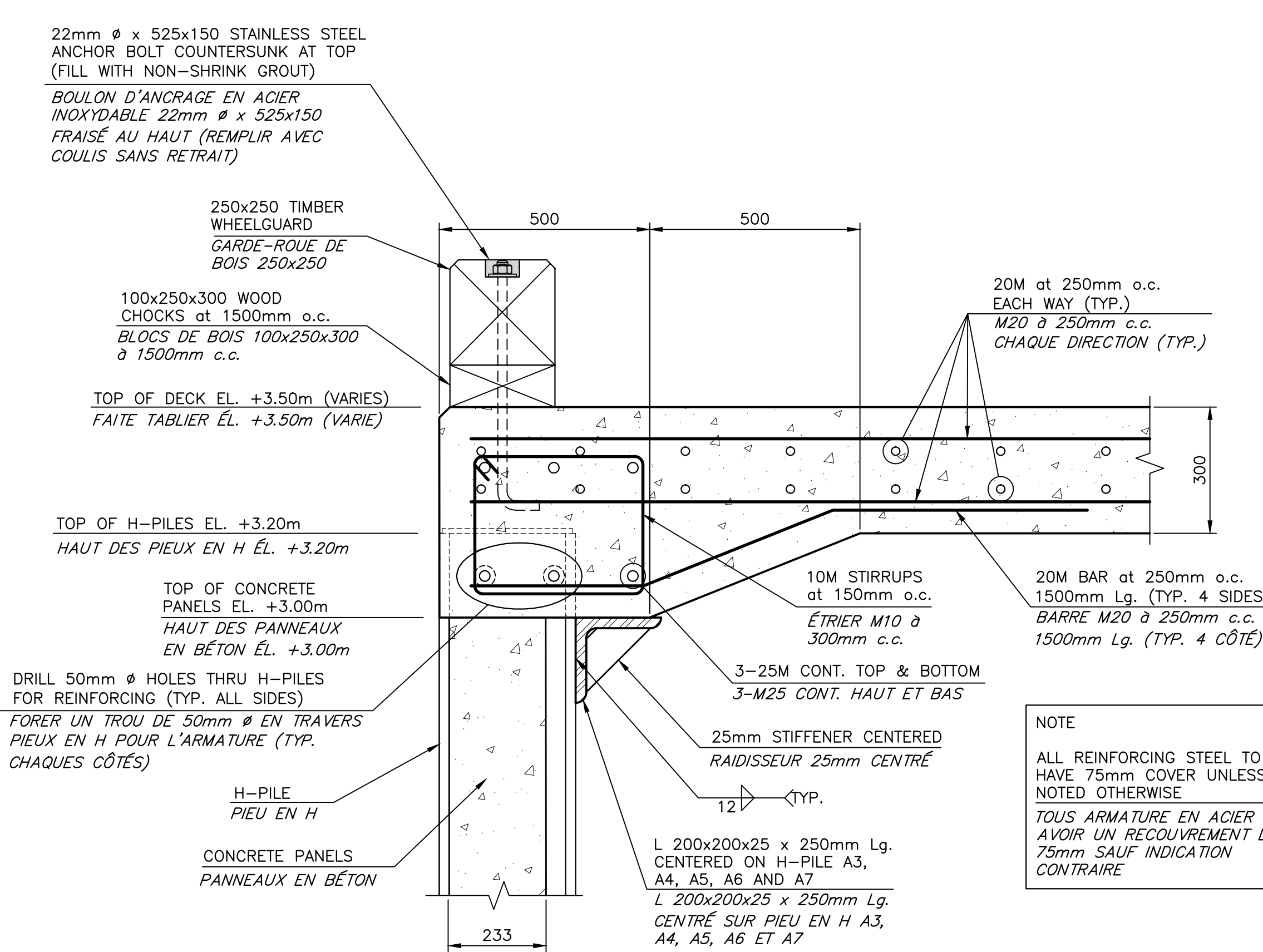


**HOLDFAST DETAIL
 DÉTAIL DE CRAMPON**
 SCALE/ÉCHELLE: 1:10

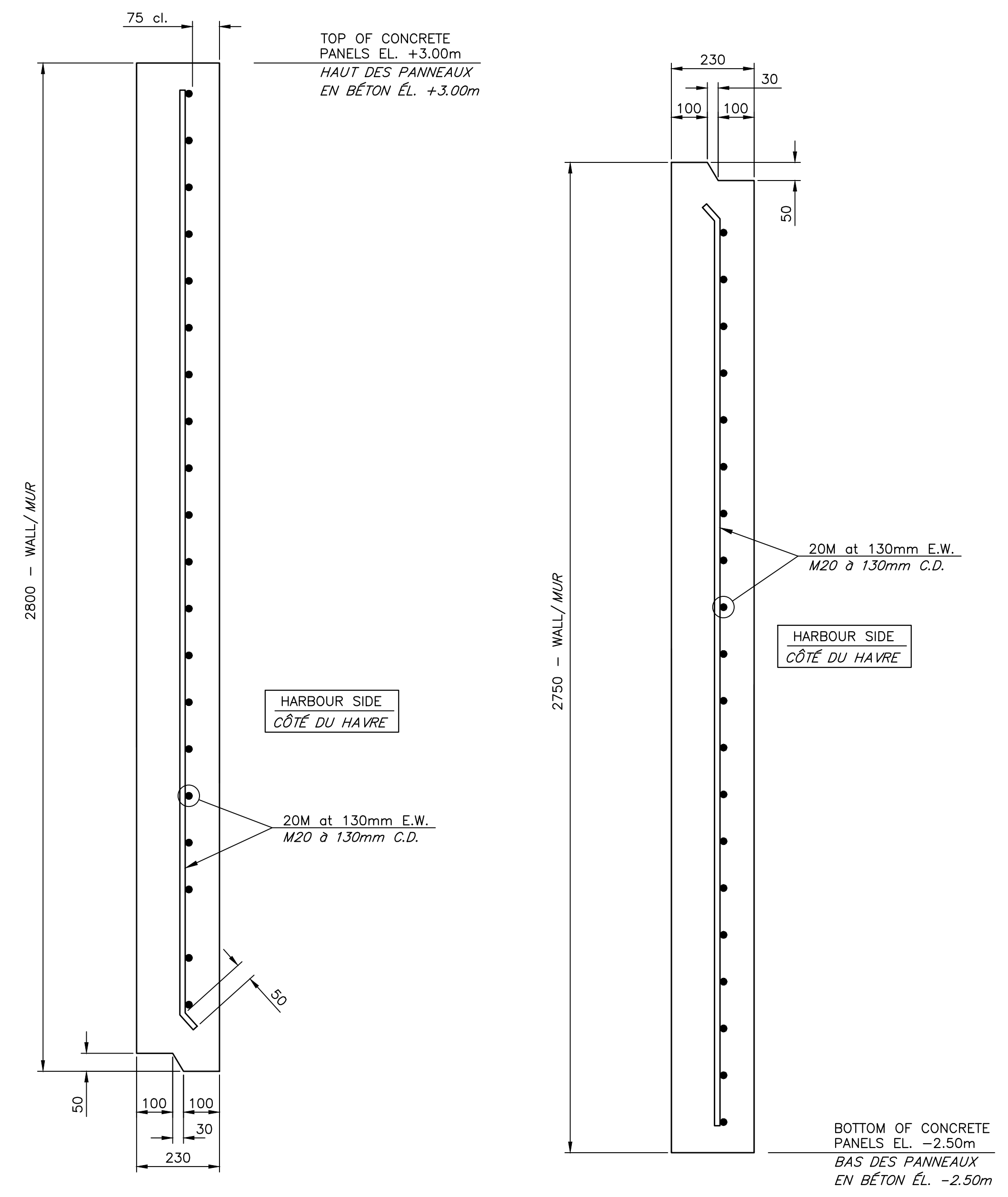
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| 1 | ISSUED FOR TENDER/ÉMIS D'OFFRES | 09/18/2015 |
| revisions | | date |
| <p>project HARVRES RECONSTRUCTION RECONSTRUCTION DES QUAIS STRUCTURES 301 & 302 SAINTE-MARIE-SUR-MER COMTÉ DE GLOUCESTER COUNTY</p> | | |
| drawing | | dessin |
| <p>SECTIONS AND DETAILS COUPES ET DÉTAILS</p> | | |
| designed | CY BOUCHER ENGINEERING CONSTRUCTION | 09/18/2015 |
| date | SEPTEMBER/SEPTEMBRE 2015 | |
| drawn | P. LEBLANC | dessiné |
| date | SEPTEMBER/SEPTEMBRE 2015 | |
| approved | | approuvé |
| date | | |
| Tender | | Submission |
| Project Manager | | Administrateur de projets |
| project number | | no. du projet |
| | F4718-150028 | |
| drawing no. | | no. du dessin |
| | M4 of/de M7 | |



DETAIL OF PANEL
DÉTAIL DU PANNEAU
SCALE/ÉCHELLE: 1:10



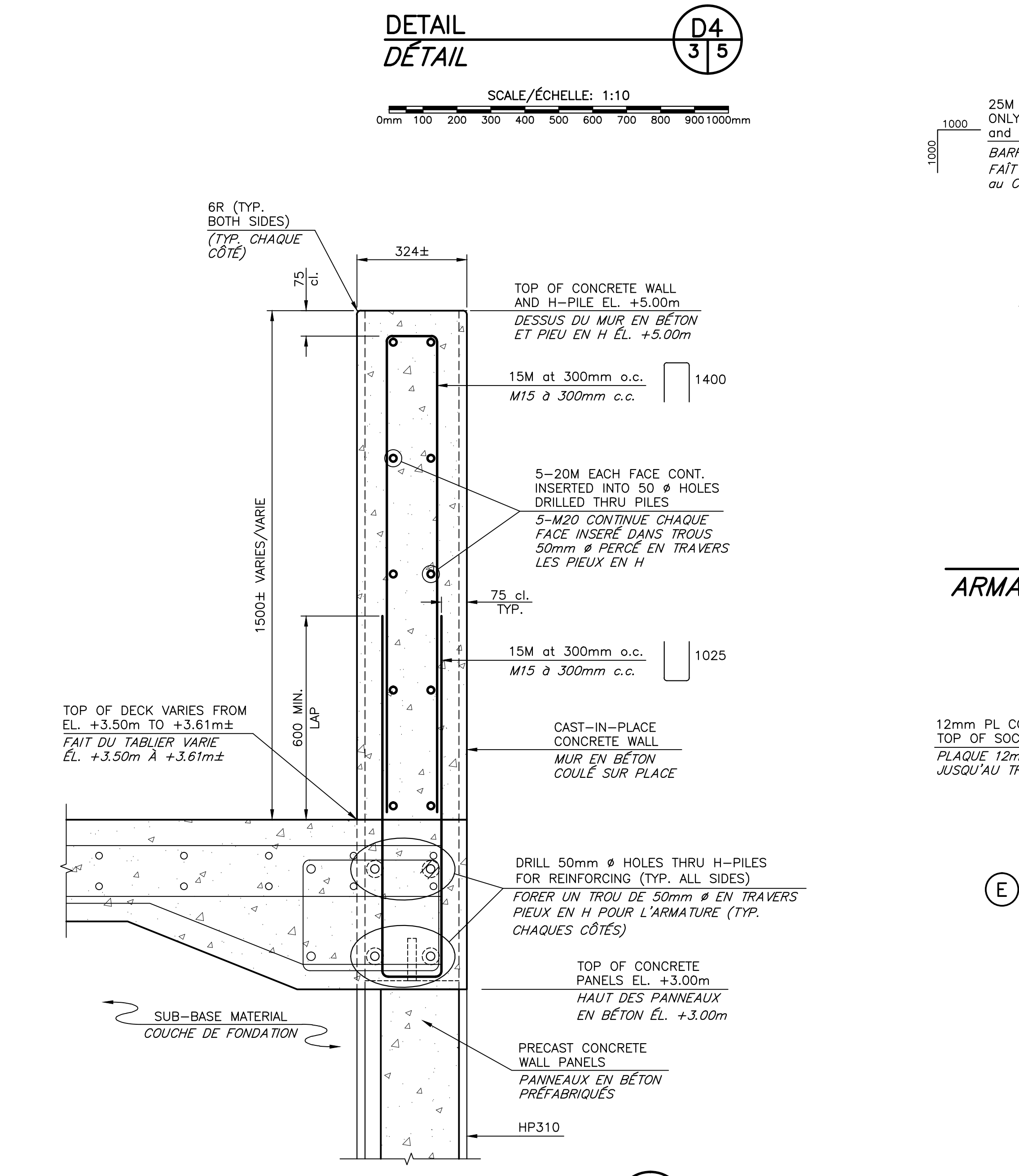
REINFORCED CONCRETE DECK DETAILS
DÉTAIL DU TABLIER EN BÉTON ARMÉ
SCALE/ÉCHELLE: 1:20



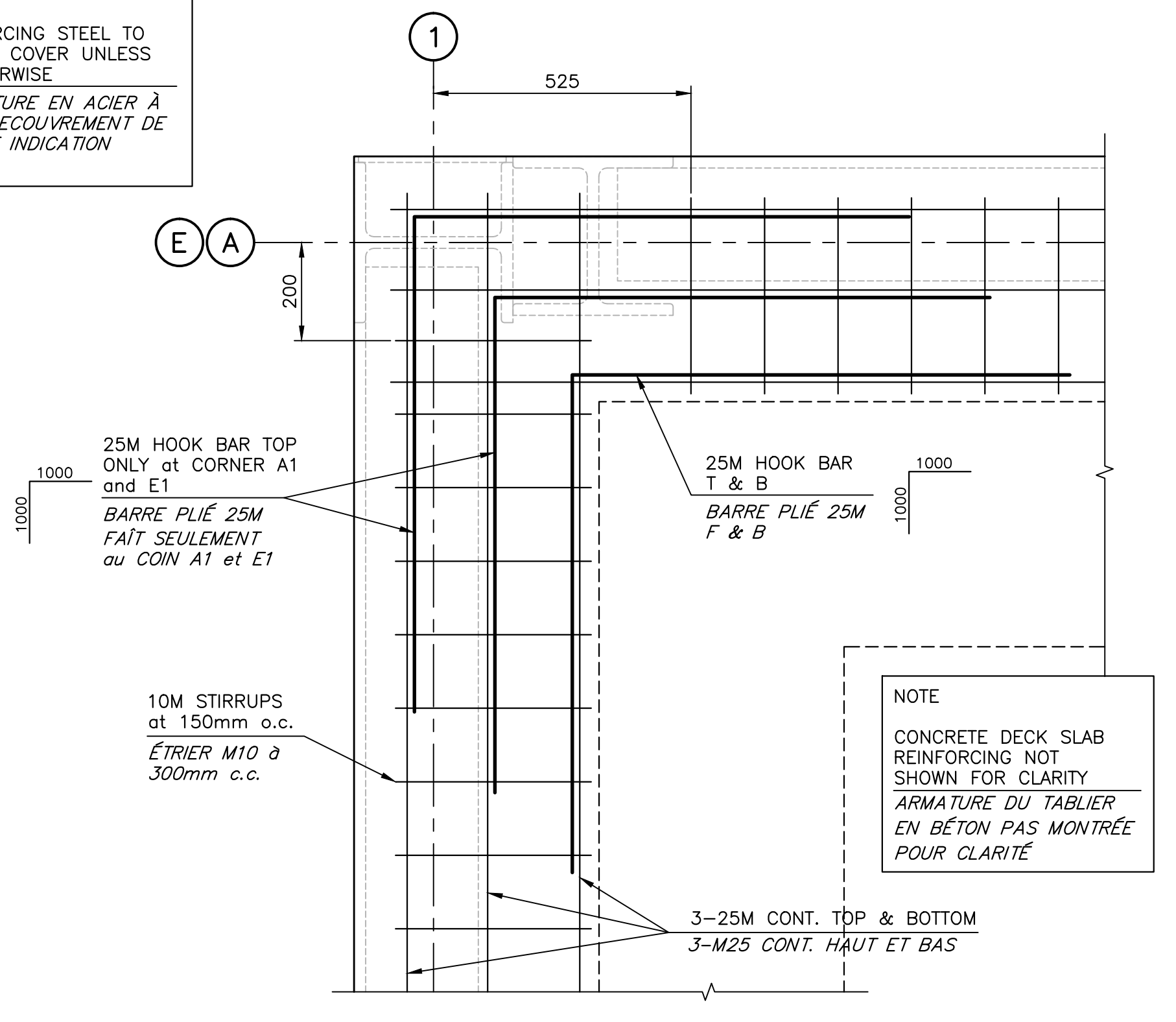
TYPICAL SECTION THROUGH TOP PANEL
COUPE TYPIQUE AU TRAVERS LES PANNEAUX DU HAUT

TYPICAL SECTION THROUGH BOTTOM PANEL
COUPE TYPIQUE AU TRAVERS LES PANNEAUX DU BAS

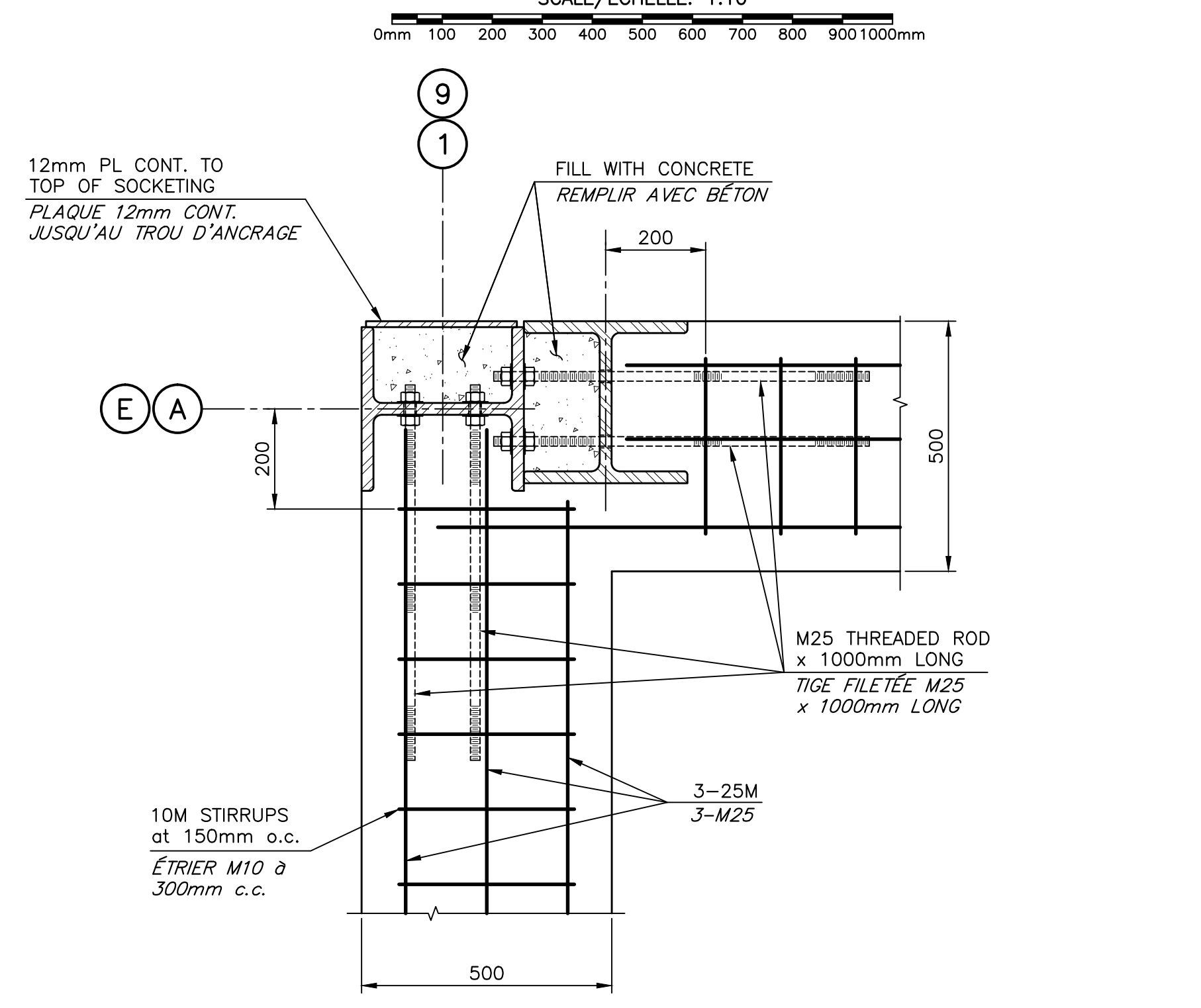
SECTION COUPE
SCALE/ÉCHELLE: 1:10



WAVEBREAK DETAIL
DÉTAIL DU BRISE-LAME
SCALE/ÉCHELLE: 1:10



TOP OF DECK BEAM REINFORCING AT CORNERS
ARMATURE DU FAÎT AU COINS DANS LA POUTRE DU TABLIER
SCALE/ÉCHELLE: 1:10



BOTTOM OF DECK BEAM REINFORCING AT CORNERS
ARMATURE DU BAS AU COINS DANS LA POUTRE DU TABLIER
SCALE/ÉCHELLE: 1:10

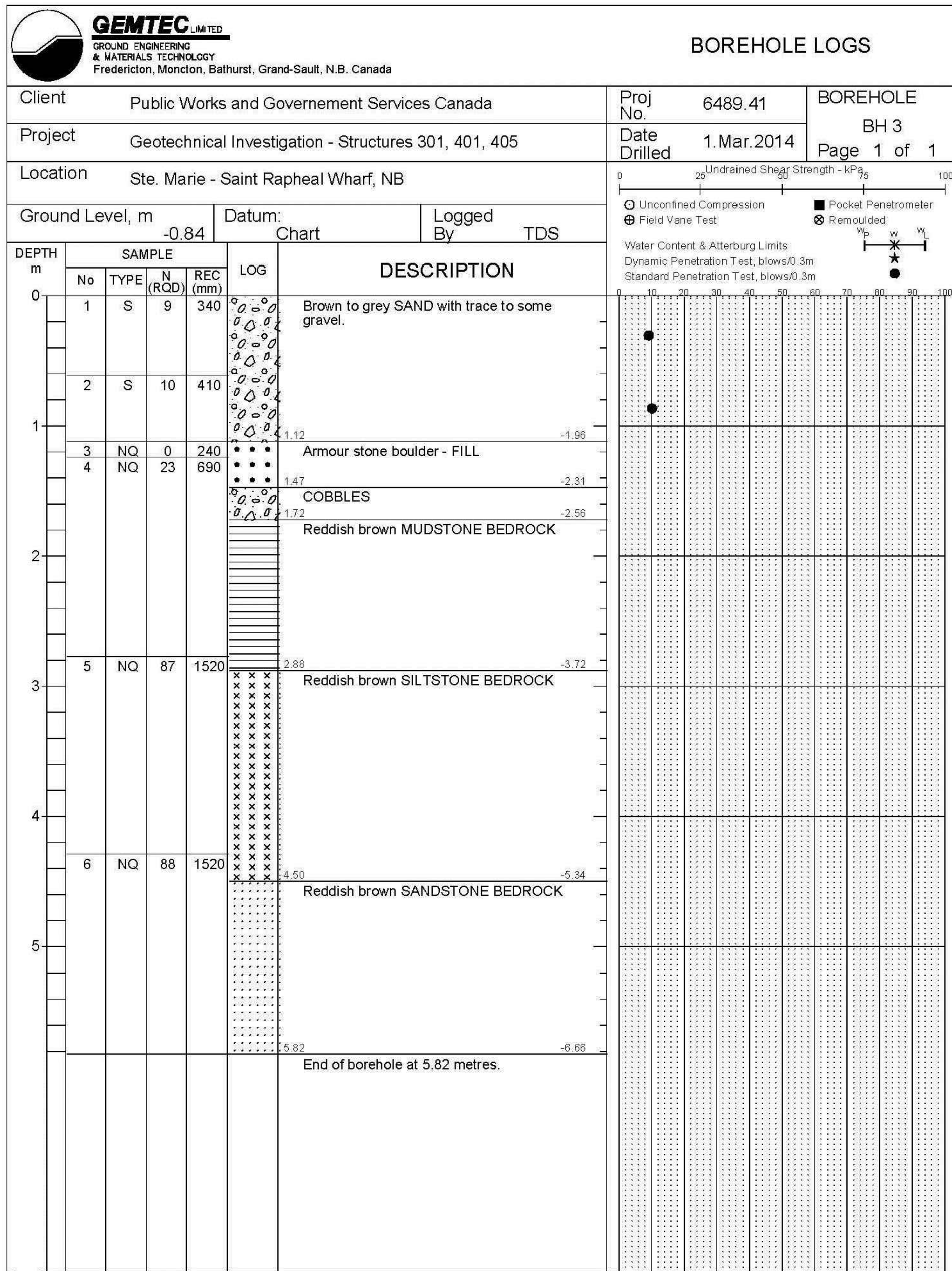
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| 1 | ISSUED FOR TENDER/ÉMIS D'OFFRES | 09/18/2015 |
| revisions | | date |

project / projet
WHARVES RECONSTRUCTION
RECONSTRUCTION DES QUAIS
STRUCTURES 301 & 302
SAINTE-MARIE-SUR-MER
COMTÉ DE GLOUCESTER COUNTY

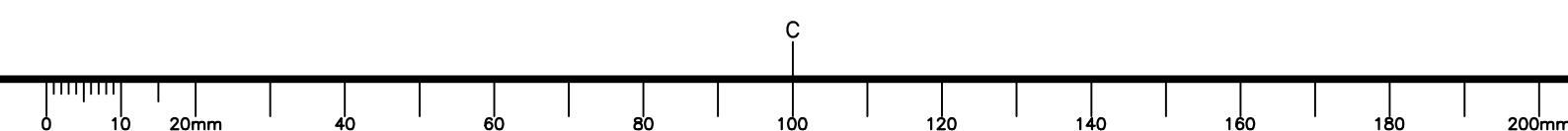
drawing / dessin
REINFORCING SECTIONS AND DETAILS
COUPES ET DÉTAILS D'ARMATURE

designed by / conçu par: CY BOUCHER ENGINEERING CONSTRUCTION
date / date: SEPTEMBER/SEPTEMBRE 2015
drawn / dessiné: P. LEBLANC
date / date: SEPTEMBER/SEPTEMBRE 2015
approved / approuvé:

Tender / soumission: M5 of/de M7
Project Manager / Administrateur de projets: P. LEBLANC
project number / no. du projet: F4718-150028
drawing no. / no. du dessin:



GEOLOG 6489.41.GPJ GEMTEC 2004.GDT 3/14/14



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|-----------------|---|--------------------------|
| 1 | ISSUED FOR TENDER/ÉMIS D'OFFRES | 09/18/2015 |
| revisions | | date |
| project | WHARVES RECONSTRUCTION RECONSTRUCTION DES QAIS STRUCTURES 301 & 302 SAINTE-MARIE-SUR-MER COMTÉ DE GLOUCESTER COUNTY | |
| drawing | BOREHOLE RECORDS RECORD DE FORAGE | |
| designed | CY BOUCHER ENGINEERING CONSULTANTS | |
| date | SEPTEMBER/SEPTEMBRE 2015 | |
| drawn | P. LEBLANC | dessiné |
| date | SEPTEMBER/SEPTEMBRE 2015 | |
| approved | | approuvé |
| date | | |
| Tender | | Submission |
| Project Manager | | Administrateur de projet |
| project number | F4718-150028 | |
| drawing no. | M7 of/de M7 | |