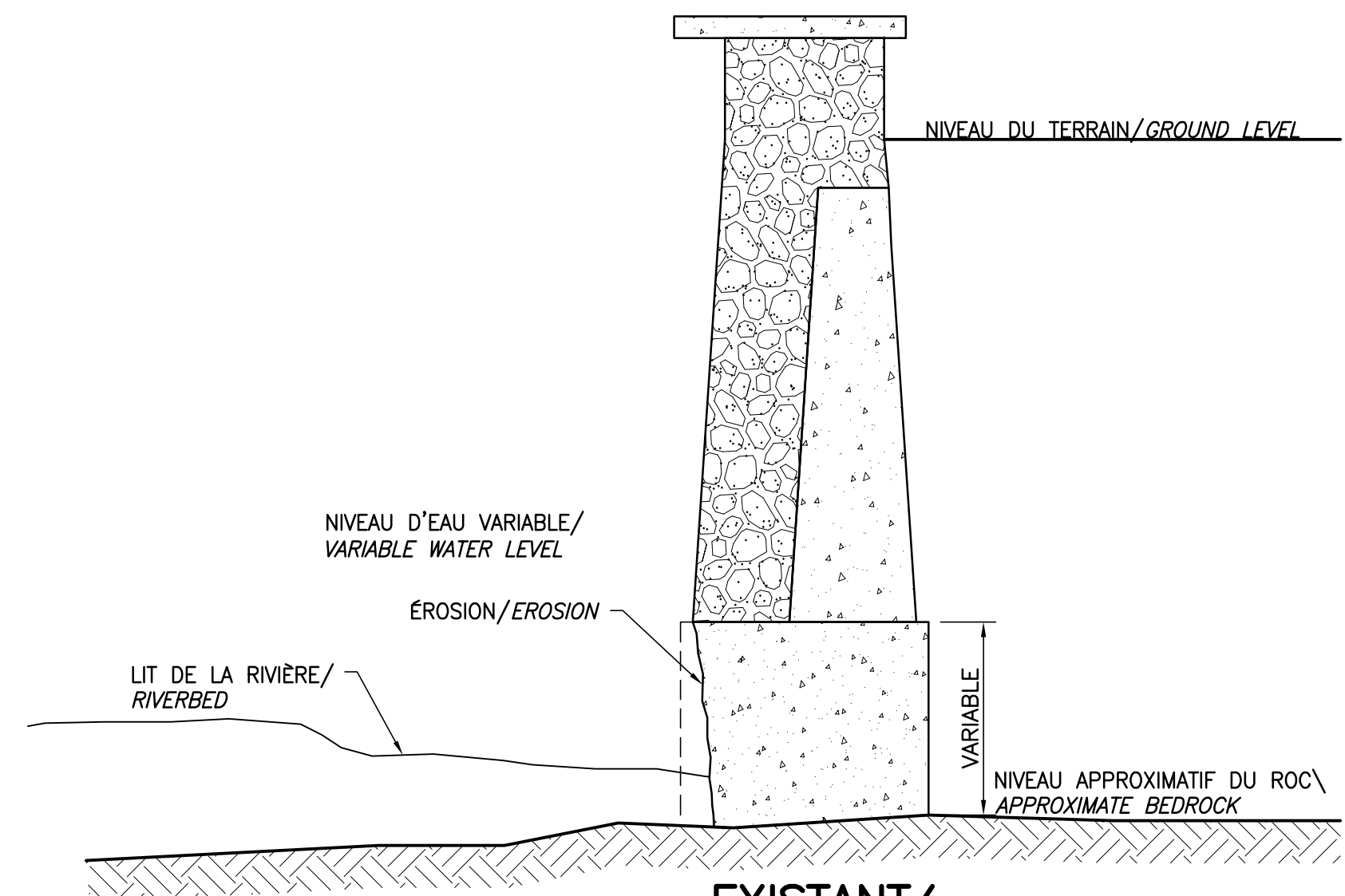
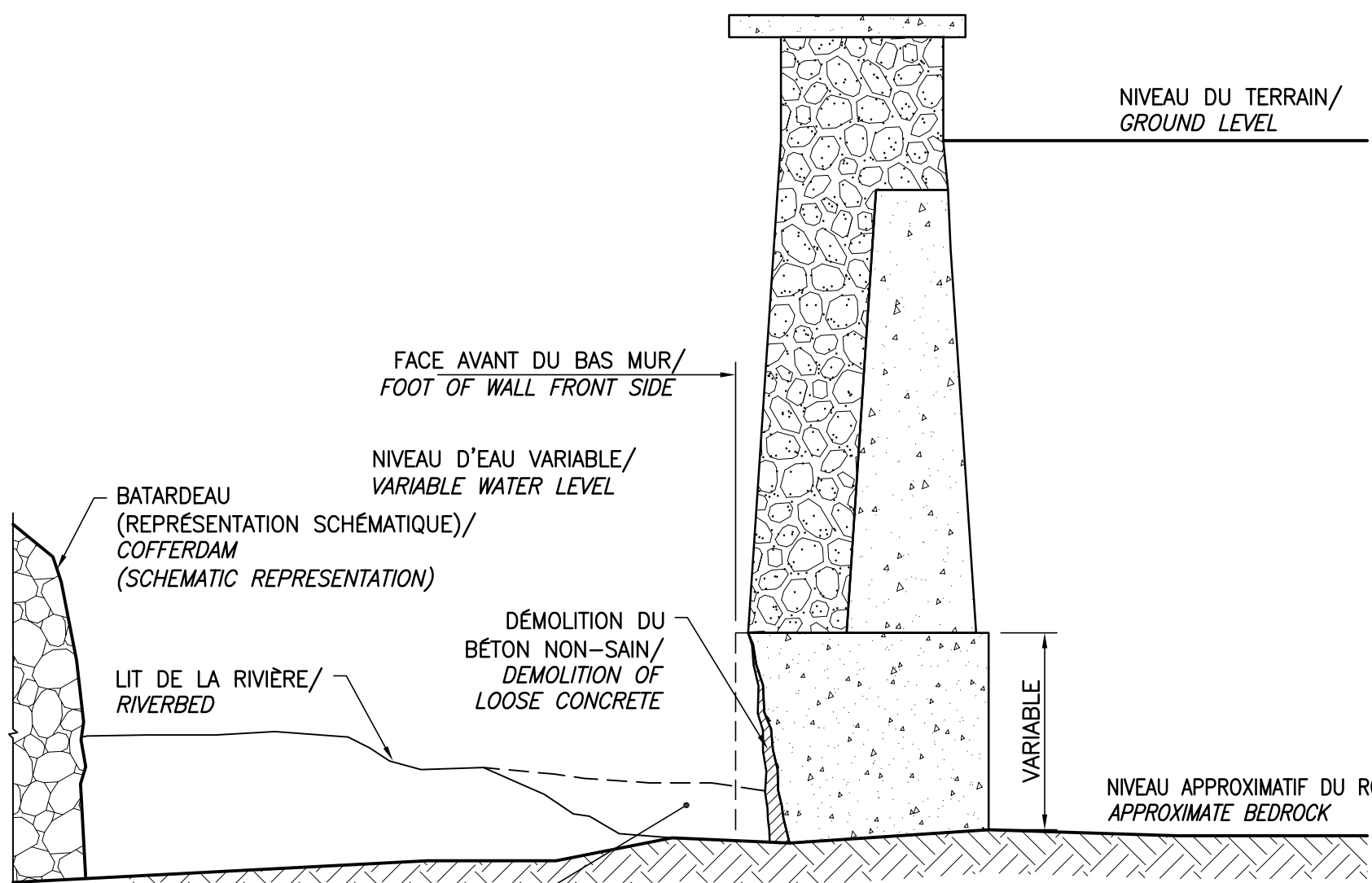


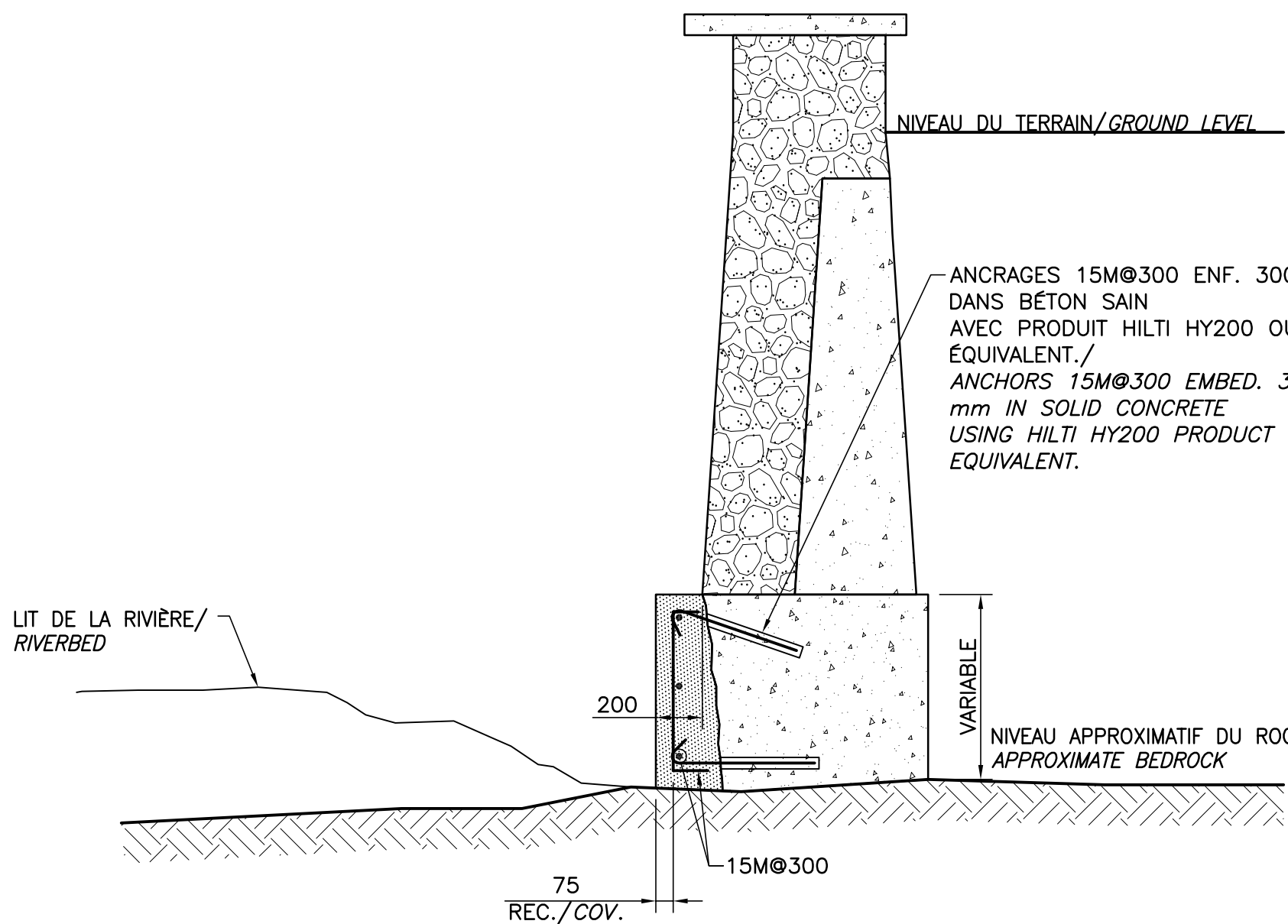
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**EXISTANT/
EXISTING**
ÉCH. 1:25

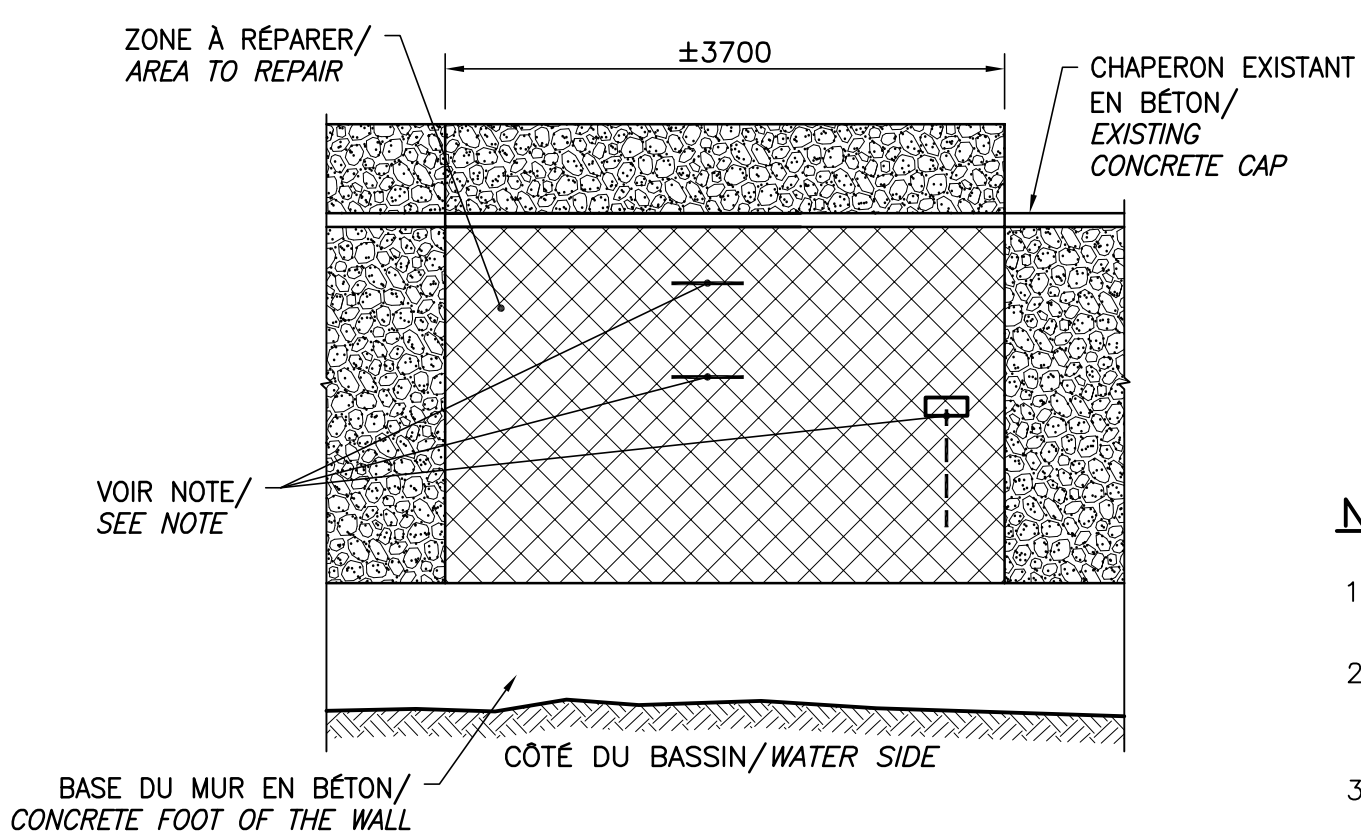


**PENDANT LES TRAVAUX/
DURING WORKS**
ÉCH. 1:25



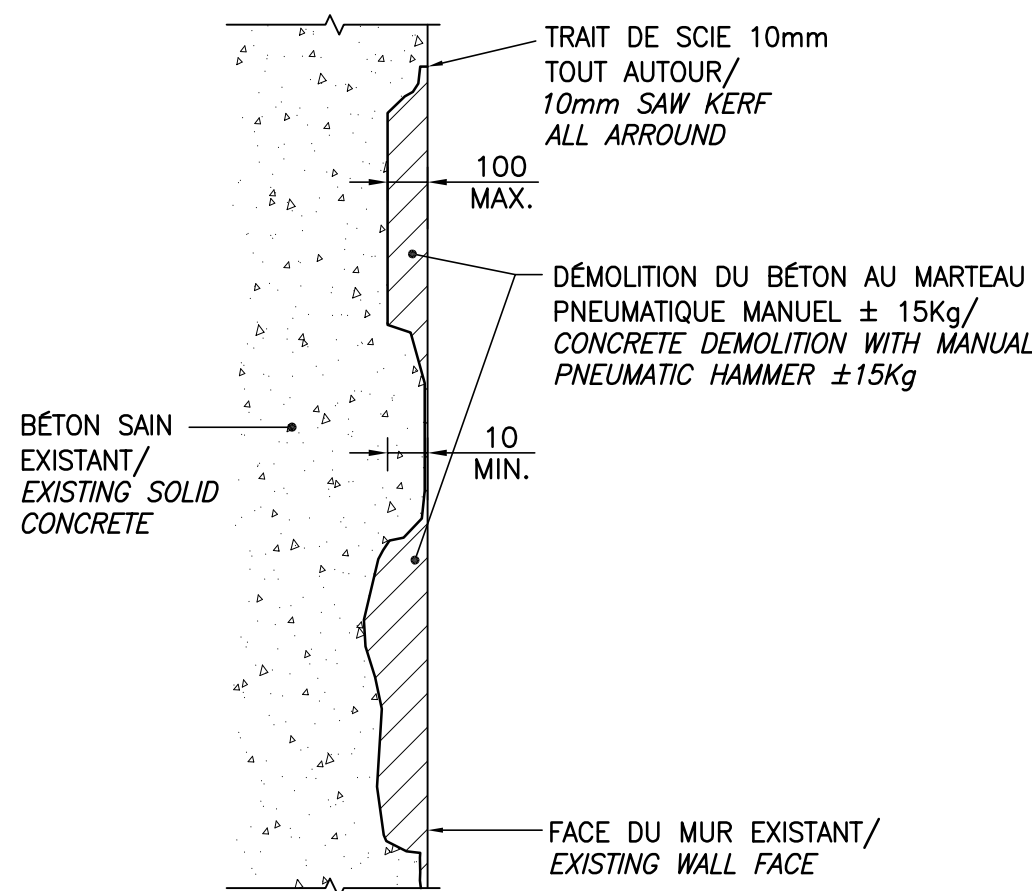
CORRECTION
ÉCH. 1:25

**RÉPARATION À LA BASE DU MUR/
REPAIR AT FOOT OF THE WALL**



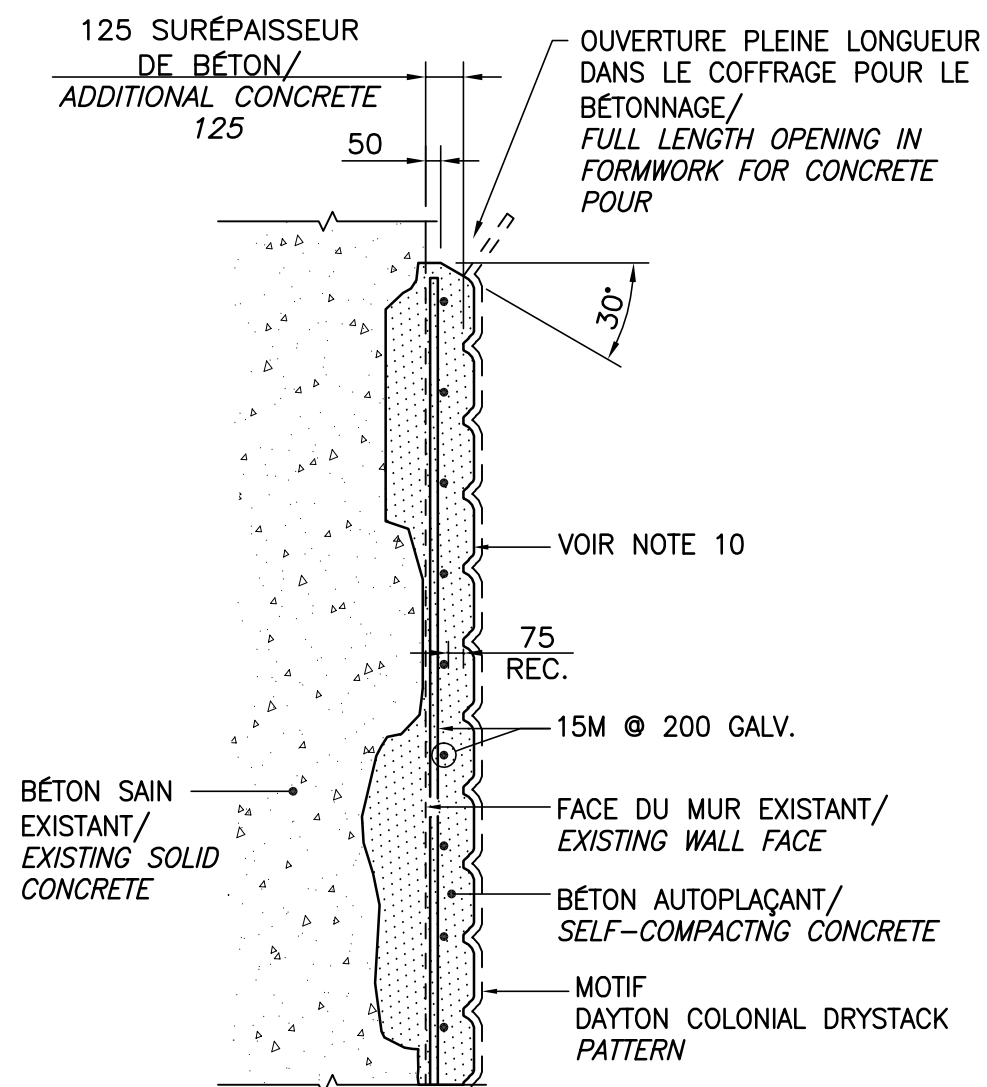
NOTE
CERTAINS ÉLÉMENTS D'ACIER PRÉSENTS DANS
LE MUR PEUVENT DEVOIR ÊTRE COUPÉS/
SOME STEEL PIECES PRESENT ON THE WALL
MAY HAVE TO CUT.

**RÉPARATION DE BÉTON/CONCRETE REPAIR
ÉLÉVATION/ELEVATION**
ÉCH. 1:25



COUPE/SECTION

**DÉTAIL DE DÉMOLITION/
DEMOLITION DETAIL**
ÉCH. 1:25



RECONSTRUCTION AVEC COFFRAGES ET SURÉPAISSEUR/
REPAIRS WITH FORMWORK AND ADDITIONAL THICKNESS

**DÉTAIL DE RÉPARATION/
REPAIR DETAIL**
ÉCH. 1:25

**RÉPARATION AVEC SURÉPAISSEUR DU MUR/
REPAIR OF THE WALL WITH ADDITIONAL THICKNESS**

LÉGENDE/LEGEND


- MAÇONNERIE/
MASONRY
- BÉTON EXISTANT/
EXISTING CONCRETE
- NOUVEAU BÉTON/
NEW CONCRETE
- ZONE À RÉPARER/
AREA TO REPAIR

NOTES

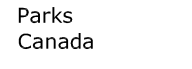
- DIMENSIONS ARE IN MILLIMETERS.
- THE DIMENSIONS OF THE STRUCTURE MUST BE VALIDATED ON SITE.
- THE SURFACES TO BE REPAIRED SHALL BE MARKED OUT BY THE DEPARTMENTAL REPRESENTATIVE.
- THE WORK TO CORRECT EROSION MUST BE DONE UNDER DRY CONDITIONS AND NEEDS A COFFERDAM. THE COFFERDAM SHALL RESPECT THE ENVIRONMENTAL REQUIREMENTS AS PER THE SPECIFICATIONS.
- NO MATERIAL OR EQUIPMENT SHALL BE STORED WITHIN A DISTANCE EQUAL TO THE WALL'S HEIGHT DURING THE WORK.
- CONCRETE SURFACES TO BE REPAIRED SHALL BE DELINEATED BY A 10 MM SAW KERF.
- LOOSE CONCRETE SHALL BE DEMOLISHED USING A PRESSURIZED WATER JET (15 MPA PRESSURE, 20 L/MIN FLOW, CONCENTRATED ROUND SPRAY NOZZLE, NOZZLE AT A DISTANCE OF 150 MM TO 200 MM FROM SURFACE). UNLESS NOTED OTHERWISE ROUGHENING OF SOUND CONCRETE TO A DEPTH OF 10 MM.
- IN THE EVENT THAT THE DEMOLITION OF THE CONCRETE AT THE BASE OF THE WALL EXCEEDS 200 MM WITH RESPECT TO THE FRONT FACE OF THE WALL, STOP ALL WORK AND NOTIFY THE DEPARTMENTAL REPRESENTATIVE.
- IN THE EVENT THAT THE DEMOLITION OF THE LOOSE CONCRETE FOR REPAIRS USING ADDITIONAL CONCRETE EXCEEDS 100 MM, STOP ALL WORK AND NOTIFY THE DEPARTMENTAL REPRESENTATIVE.
- THE EXISTING CONCRETE SURFACES AGAINST WHICH NEW CONCRETE IS PLACED MUST HAVE A MINIMUM CSP7 CONCRETE SURFACE PROFILE AS PER THE INTERNATIONAL CONCRETE REPAIR INSTITUTE (ICRI) "TECHNICAL GUIDELINE NO. 0310.2R". EVALUATION OF PROFILE SHALL BE DONE BASED ON CSP CHIPS AVAILABLE FROM THE ICRI.
- VERTICAL FORMWORK TIES MUST HAVE A MAXIMUM SERVICE LOAD CAPACITY OF 20 KN. TIES MUST HAVE A MINIMUM DIAMETER OF 12 MM (OTHER THAN DWYDAG TYPE TIES, WHICH MUST HAVE A MINIMUM DIAMETER OF 15 MM). "SNAP-TIE" TYPE TIES ARE PROHIBITED. FORMWORK TIES MUST BE SPACED 600 MM MAXIMUM C/C IN BOTH DIRECTIONS, WITH AN ANCHOR DEPTH OF AT LEAST 200 MM IN SOLID CONCRETE. HOLES LEFT BY FORMWORK TIES MUST BE FILLED WITH A CEMENTITIOUS MORTAR AS PER MTQ STANDARD 3801.

FORMWORK TIES FOR REPAIRS USING ADDITIONAL CONCRETE SHALL BE GALVANIZED.

- NO REBARS MUST BE CUT DURING DRILLING FOR THE INSERTION OF ANCHORS FOR FOOT OF WALL REPAIR.
- REINFORCING BARS SHALL BE GRADE 400W G30.18-M. REINFORCING BARS FOR REPAIRS USING ADDITIONAL CONCRETE SHALL BE GALVANIZED.
- REBARS MUST BE INTERRUPTED AT ABOUT EVERY 5 M. A COLD JOINT WITH CONCRETE PLACED AGAINST CONCRETE IS REQUIRED
- CONCRETE 28-DAY COMPRESSIVE STRENGTH SHALL BE 35 MPA, C-1 EXPOSURE CLASS, AGGREGATE SIZE 20 MM MEETING CSA A23.1 / A23.2 STANDARD, WITH BN-2739F PIGMENTS (2 BAGS) STONE CASTLE FROM INTERSTAR. UNLESS NOTED OTHERWISE.
- CONCRETE FOR REPAIRS USING ADDITIONAL CONCRETE SHALL BE SELF-COMPACTING TYPE XIV-R OR XIV-S, WITH BN-2739F PIGMENTS (2 BAGS) STONE CASTLE FROM INTERSTAR. UNLESS NOTED OTHERWISE.
- THE CONCRETE FOR CORRECTIONS MUST BE IN CONTACT WITH SOUND ROCK. CLEANING OF THE ROCK IS REQUIRED LOCALLY.
- PROVIDE CHAMFERS AT ALL VISIBLE CONCRETE EDGES.





Parcs
Canada




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Canada

Unité de gestion de la
Mauricie et de l'Ouest du
Québec

La Mauricie and
Western Quebec
field unit



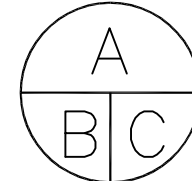
expert-conseil
consultant

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révisions revisions		date



A no. du détail
detail no.
B no. de la feuille—où détail
exigé
sheet no. — where detail
required
C no. de la feuille—où détaillé
sheet no. — where detailed

Projet

Project

**PARCS CANADA
PARKS CANADA**

**RÉHABILITATION DU MUR DE
SOUTÈNEMENT SUD-OUEST
RESTORATION OF SOUTH-WEST
RETAINING WALL**

Dessin

Drawing

**STRUCTURE
STRUCTURE**

**CORRECTION DE L'ÉROSION À LA BASE DU MUR
ET RÉPARATIONS DE BÉTON AVEC SURÉPAISSEUR
COUPES ET DÉTAILS**

**CORRECTION OF EROSION AT FOOT OF WALL
AND CONCRETE REPAIRS WITH ADDITIONAL THICKNESS
SECTIONS AND DETAILS**

Conçu par
N. GIGUÈRE

Designed by
N. GIGUÈRE

15/07/2015
Date

Dessiné par
P. PERRAULT

Drawn by
P. PERRAULT

15/07/2015
Date

Approuvé par
C. MOISAN

Approved by
C. MOISAN

15/07/2015
Date

Soumission

Gestionnaire de projet PC
Annie Gehin
PC Project Manager

Tender

No de projet
2369

Project number

No de projet
2369

Project number

PC

PC Client

Client

Norm du fichier
R_628545_001-S06

File name

No de classement

No de plan ou dessin
S06

File name

No feuille

Sheet no
06/11