

GENERAL NOTES

1. DRAWINGS MUST BE READ IN CONJUNCTION WITH TECHNICAL SPECIFICATIONS.
2. ALL WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE "NATIONAL BUILDING CODE OF CANADA", NATIONAL STANDARDS, CODES OF PRACTICE AND LOCAL BY-LAWS AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION, INCLUDING FEDERAL, PROVINCIAL AND LOCAL HEALTH AND SAFETY LEGISLATION, REGULATIONS AND STANDARDS.
3. IF NOT SPECIFICALLY INDICATED, ALL REFERENCES TO BUILDING CODES, MATERIAL AND PERFORMANCE SPECIFICATIONS, ARE TO LATEST EDITIONS OF THE PUBLICATIONS.
4. IN CASE OF A DISCREPANCY BETWEEN CODES, STANDARDS AND REGULATIONS, THE MORE STRINGENT AND DEMANDING REFERENCE SHALL GOVERN, UNLESS ACCEPTED OTHERWISE BY DEPARTMENTAL REPRESENTATIVE IN WRITING.
5. COORDINATE SYSTEM: UTM ZONE 17, HORIZONTAL DATUM NAD83-CSRS, VERTICAL DATUM CGVD28:1978.
6. UNLESS OTHERWISE NOTED, DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METERS.
7. CHAINAGES ARE EXPRESSED IN METERS (1+234.567).
8. DIMENSIONS ARE NOT TO BE SCALED FROM DRAWINGS
9. EXISTING GROUND CONTOUR LINES AND PROFILES ARE APPROXIMATE AND SHOWN FOR INFORMATION ONLY.
10. EXISTING GROUND BELOW WATER LEVEL IS NOT ACCURATE AND SHOWN FOR INFORMATION ONLY.
11. ASSUMED BEDROCK IS NOT ACCURATE AND SHOWN FOR INFORMATION ONLY.
12. THE ISOCONTOURS AND CROSS-SECTIONS PROFILES OF THE PRESUMED BEDROCK LEVEL DO NOT REPRESENT THE IRREGULARITIES NORMALLY ASSOCIATED WITH TOP OF BEDROCK. THE ACTUAL ISOCONTOURS AND CROSS-SECTIONS PROFILES OF THE BEDROCK ARE MORE IRREGULAR THAN THOSE PRESUMED.
13. VERIFY ALL EXISTING SITE CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCING WORK, INCLUDING DESIGN, SHOP DRAWING PREPARATION AND FABRICATION. IMMEDIATELY NOTIFY THE DEPARTMENTAL REPRESENTATIVE IN WRITING OF ALL DISCREPANCIES AND/OR OMISSIONS, IF ANY.
14. THE DIMENSIONS AND ELEVATIONS OF EXISTING STRUCTURES ARE INDICATIVE AND ORIGINATE FROM THE EXISTING DRAWINGS. VERIFY AND CONFIRM ALL CRITICAL LOCATIONS AND ELEVATIONS ON THE FIELD AT THE START OF WORK, AND BE RESPONSIBLE FOR ALL DIMENSIONS. REPORT ANY DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE BEFORE PROCEEDING WITH ANY WORK.
15. DURING EXCAVATION WORKS, ANY EXISTING UNDERGROUND UTILITIES OR SUBSTRUCTURE SHALL BE RELOCATED OR DISMANTLED OR DEMOLISHED AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
16. WATERSTOPS AND CONSTRUCTION JOINTS ARE INDICATED FOR REFERENCE AND MUST BE COORDINATED ON SITE WITH THE DEPARTMENTAL REPRESENTATIVE.
17. ALL CONSTRUCTION JOINT SHALL BE ROUGHENED TO EXPOSE THE AGGREGATES TO FULL AMPLITUDE OF AT LEAST 5 mm (UNO).
18. ALL EXPOSED VERTICAL, UPPER HORIZONTAL AND UPPER INCLINED INCLUDING, EDGES, IN-WATER CONCRETE EDGES, SHALL HAVE 75 mm (3") RADIUS EDGING, UNLESS NOTED OTHERWISE. ALL OTHER EDGES, SHALL HAVE 25x25 mm CHAMFER FILLET.
19. WHEN THE SURFACES OF THE WALLS ARE VISIBLE, TIE ROD HOLES SHALL BE ALIGNED VERTICALLY AND HORIZONTALLY AND BE FILLED WITH AN APPROVED MORTAR. MORTAR COLOR SHALL MATCH THE POURED CONCRETE COLOR. MOCK-UPS SHALL BE CARRIED OUT FOR THE DEPARTMENTAL REPRESENTATIVE REVIEW.
20. CONCRETE COVER SHALL BE AS DEFINED IN TABLE 2.
21. LAP SPLICES MUST CONFORM TO CAN/CSA A23.3-14 FOR CLASS B TENSION LAP SPLICES. SEE TABLES 1-1, 1-2 AND 1-3.
22. CONCRETE FINISHES FOR THE FORMED AND UN-FORMED SURFACES, AS INDICATED ON THE CONCRETE DRAWINGS, SHALL BE AS PER TECHNICAL SPECIFICATIONS AND TABLE 3. ALL TOP OF PIERS AND WALL FINISHES SHALL MATCH THE TOP OF DECK FINISH AS CLOSE AS POSSIBLE. MOCK-UPS FOR FINISHES SHALL BE CARRIED OUT FOR REVIEW BY THE DEPARTMENTAL REPRESENTATIVE.
23. EXPOSED FACES OF EMBEDDED PARTS FOR STOPLOGS (GAINS AND SILLS) TO BE SHOP PAINTED. PIER NOSING PROTECTIVE PLATES TO BE STAINLESS STEEL.
24. GALVANIZE ALL OTHER EXPOSED METAL PARTS, INCLUDING GRATING GAIN COVERS AND ASSOCIATED HARDWARE, HANDRAILS, PLATES, EMBEDDED PIPES, EYEBOLTS, ALL EXPOSED ANGLES AND THEIR EMBEDDED ANCHORS AND FRAMES. ADHESIVE ANCHORS TO BE STAINLESS STEEL.
25. ALL FOUNDATIONS MUST BE APPROVED BY THE DEPARTMENTAL REPRESENTATIVE BEFORE ANY POURING OF CONCRETE.
26. FOR LOAD BEARING CAPACITY OF DECK, SEE DRAWING 307.03.
27. CLARIFY WITH THE DEPARTMENTAL REPRESENTATIVE ANY QUERIES REGARDING INTERPRETATION OF THE DRAWINGS BEFORE PROCEEDING WITH ANY WORK.
28. THE NORMAL UPSTREAM WATER LEVEL WILL RANGE FROM 241.4 TO 241.5 DURING NAVIGATION SEASON (MID MAY - MID OCTOBER).
29. THE MAXIMUM UPSTREAM WATER LEVELS CORRESPONDING TO 1:20 YEAR AND 1:40 YEAR FLOODS ARE 241.5 AND 241.8, RESPECTIVELY.
30. THE NORMAL DOWNSTREAM WATER LEVELS WILL RANGE FROM 237.8 TO 238.9.
31. THE MAXIMUM DOWNSTREAM WATER LEVEL CORRESPONDING TO 1:20 YEAR AND 1:40 FLOODS ARE 240 AND 240.5, RESPECTIVELY, EXCLUDING COFFERDAM EFFECTS.
32. AT VERTICAL OPENINGS, CHANGES IN LEVEL BETWEEN ADJACENT ELEMENTS, CAST-IN PLACE OR PREFAB, SHALL BE LESS THAN 10 mm. HORIZONTAL OPENINGS SHALL BE LESS THAN 15 mm.

LEGEND

EXISTING CONCRETE

DEMOLITION

CONTROLLED DEMOLITION/HYDRO-DEMOLITION

GROUT

FIRST PHASE CONCRETE

SECOND PHASE CONCRETE

PRECAST CONCRETE

FILLER CONCRETE

RIGID INSULATION

CRUSHED STONE

COMPACTED BACKFILL

RIP RAP

STEEL

GRATING

CHECKERED PLATE

FENCE

EL
XX.XX

ELEVATION IN PLAN VIEW

EL XX.XX

ELEVATION IN PLAN VIEW

EL

ELEVATION

EL

WATER LEVEL

SYMMETRY

SYMMETRY

BENCHMARK

BENCHMARK

FLOW

DIRECTION OF FLOW

REVISION

REVISION

N

NORTH ARROW

MITRE CORNERS OF VERTICAL JOINTS AND WELD SIMILAR AS SHOWN BELOW FOR IN-PLANE JOINTS

VERTICAL ELL

VERTICAL CROSS

VERTICAL TEE

FLAT ELL

FLAT CROSS

FLAT TEE

PVC WATERSTOP JOINTS

NTS

(ALL WELDS SHALL BE PER MANUFACTURER'S RECOMMENDATIONS)

TYPICAL 75 mm RADIUS EDGE

NTS

SLAB/WALL

THK
xxx

SLAB OR WALL THICKNESS

COV
xx

CONCRETE COVER

ID

FINISH OF CONCRETE
F1, F2 OR F3
U1, U2 OR U3

XX

GATE NUMBER

BEDROCK

GROUND

EXISTING GRADE

SLUICE NUMBER

PIER NUMBER

CONSTRUCTION JOINT

EXPANSION JOINT

LAMP POST

FENCE OR WELDED WIRE MESH

GEOTEXTILE

@

- AT (SPACING)

AB

- ANCHOR BOLT

ADD

- ADDITIONAL

ALT

- ALTERNATE

APP

- APPROVED

B OR BOT

- BOTTOM

BB

- BENT BARS

BS

- BOTH SIDES

CL

- CENTRELINE

C/C

- CENTRE TO CENTRE

CHKD PL

- CHECKERED PLATE

CJ

- CONSTRUCTION JOINT

CJ+WS

- CONSTRUCTION JOINT + WATERSTOP

CONC

- CONCRETE

CONC BLK

- CONCRETE BLOCK

CONTD

- CONTINUED

CONT

- CONTINUOUS

CONTRJ

- CONTRACTION JOINT

COV

- COVER

CP

- CONTROL POINT

DEG or °

- DEGREE

DET

- DETAIL

DEP

- DEPTH

DIA OR Ø

- DIAMETER

D.R.

- DEPARTMENTAL REPRESENTATIVE

DWG

- DRAWING

DWLS

- DOWELS

ED

- EACH DIRECTION

EF

- EACH FACE

EL

- ELEVATION

EJ

- EXPANSION JOINT

EP

- EMBEDDED PART

EQ or =

- EQUAL

EQ SP

- EQUAL SPACE

ES

- EACH SIDE

EMB

- EMBEDMENT

EQUIV

- EQUIVALENT

EW

- EACH WAY

EXIST

- EXISTING

f_c

- SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE

FF

- FAR FACE

FGR

- FIXED GUARDRAIL

f_y

- SPECIFIED YIELD STRENGTH OF STEEL REINFORCEMENT

GALV

- GALVANIZED

GR

- GUARDRAIL

H OR HORIZ

- HORIZONTAL

HB

- HORIZONTAL BRACING

HP

- HIGH POINT

HR

- HANDRAIL

HSS

- HOLLOW STRUCTURAL STEEL

ID

- INSIDE DIAMETER

IDF

- INFLOW DESIGN FLOOD

IF

- INSIDE FACE, INNER FACE

INT

- INTERIOR

LG

- LENGTH / LONG

LP

- LOW POINT

LSL

- LOW SUPPLY LEVEL

MAX

- MAXIMUM

MAX WL

- MAXIMUM WATER LEVEL

MECH

- MECHANICAL

MISC

- MISCELLANEOUS

MIN WL

- MINIMUM WATER LEVEL

MIN

- MINIMUM

MOL

- MINIMUM OPERATING LEVEL

NA

- NOT APPLICABLE

NF

- NEAR FACE

NOM

- NOMINAL

NTS

- NOT TO SCALE

NS

- NEAR SIDE

OD

- OUTSIDE DIAMETER

OF

- OUTSIDE FACE

OPP

- OPPOSITE

OPNG

- OPENING

/ OR &

- AND

PL

- PLATE

PP

- PARTIAL PENETRATION

PVC

- POLYVINYLCHLORIDE

R

- RADIUS

REF

- REFERENCE

REINF

- REINFORCEMENT

RG

- REMOVABLE GUARDRAIL

RH

- REMOVABLE HANDRAIL

REQ'D

- REQUIRED

REV

- REVISION

RGR

- REMOVABLE GUARDRAIL

SCH

- SCHEDULE

SH

- SHEET

SIM

- SIMILAR

SPCS

- SPACES

SS

- STAINLESS STEEL

STD

- STANDARD

STIFF

- STIFFENER

STR

- STRUCTURAL

T

- TOP

T&B

- TOP AND BOTTOM

TEMP

- TEMPORARY

THK

- THICK, THICKNESS

T/O

- TOP OF

TOG

- TOP OF GRATING

TOC

- TOP OF CONCRETE/CURB

TOR

- TOP OF RAIL

TOS

- TOP OF STEEL

TP

- TANGENT POINT

TWL

- TAIL WATER LEVEL

TYP

- TYPICAL

UNO

- UNLESS NOTED OTHERWISE

UIS

- UNDERSIDE

VAR

- VARIABLE, VARIES

VB

- VERTICAL BRACING

V OR VERT

- VERTICAL

WL

- WATER LEVEL

WP

- WORKING POINT,

WS

- WATERSTOP

W/C

- WATER CEMENT RATIO

WSH

- HYDROPHILIC WATERSTOP

X/S

- EXTRA STRONG

TABLE 1-1: REINFORCING STEEL f_y=400 MPa f_c'=25 MPa

BAR SIZE	TOP BARS		OTHER BARS	
	DEVELOPMENT LENGTH (mm)	LAP SPlice LENGTH (CLASS B) (mm)	DEVELOPMENT LENGTH (mm)	LAP SPlice LENGTH (CLASS B) (mm)
10M	380	490	300	380
15M	570	740	440	570
20M	750	980	580	750
25M	1170	1530	900	1170
30M	1410	1830	1080	1410
35M	1640	2130	1260	1640

TABLE 1-2: REINFORCING STEEL f_y=400 MPa f_c'=30 MPa

BAR SIZE	TOP BARS		OTHER BARS	
	DEVELOPMENT LENGTH (mm)	LAP SPlice LENGTH (CLASS B) (mm)	DEVELOPMENT LENGTH (mm)	LAP SPlice LENGTH (CLASS B) (mm)
10M	350	450	300	350
15M	520	670	400	520
20M	690	890	530	690
25M	1070	1390	830	1070
30M	1290	1670	990	1290
35M	1500	1950	1160	1500

TABLE 1-3: REINFORCING STEEL f_y=400 MPa f_c'=35 MPa

BAR SIZE	TOP BARS		OTHER BARS	
	DEVELOPMENT LENGTH (mm)	LAP SPlice LENGTH (CLASS B) (mm)	DEVELOPMENT LENGTH (mm)	LAP SPlice LENGTH (CLASS B) (mm)
10M	320	420	300	390
15M	480	630	370	490
20M	640	840	490	640
25M	990	1290	770	1010
30M	1190	1550	920	1200
35M	1390	1810	1070	1400

TABLE 2: CONCRETE COVER

CONCRETE COVER IS MEASURED FROM THE CONCRETE SURFACE TO THE NEAREST SURFACE OF REINFORCEMENT, (INCLUDING TRANSVERSE REINFORCEMENT HOOKED AROUND LONGITUDINAL BARS).	
ELEMENT	COVER
CONCRETE PLACED AGAINST ROCK	75 mm
EXPOSED FACES OF WALLS AND PIERS	75 mm
DECK SLABS	50 mm
FACES COVERED BY BACKFILL, ROCK FILL	75 mm
FACES IN CONTACT WITH WATER	100 mm

TABLE 3: SURFACE FINISHES

FORMED CONCRETE SURFACE TOLERANCES		
SURFACE FINISH	FLATNESS TOLERANCE	JOINT TOLERANCE
F1	30 mm	30 mm
F2	12 mm	8 mm
F3	5 mm	3 mm
F4	5 mm (MEASURED PERPENDICULAR TO FLOW) 3 mm (MEASURED PARALLEL TO FLOW)	5 mm (MEASURED PERPENDICULAR TO FLOW) 3 mm (MEASURED PARALLEL TO FLOW)
UNFORMED CONCRETE SURFACE TOLERANCES		
SURFACE FINISH	FLATNESS TOLERANCE	JOINT TOLERANCE
U1	20 mm	5 mm
U2	5 mm	0 mm
U3	5 mm	0 mm

ABBREVIATIONS

MAX WL - MAXIMUM WATER LEVEL

MECH - MECHANICAL

MISC - MISCELLANEOUS

MIN WL - MINIMUM WATER LEVEL

MIN - MINIMUM

MOL - MINIMUM OPERATING LEVEL

NA - NOT APPLICABLE

NF - NEAR FACE

NOM - NOMINAL

NTS - NOT TO SCALE

NS - NEAR SIDE

OD - OUTSIDE DIAMETER

OF - OUTSIDE FACE

OPP - OPPOSITE

OPNG - OPENING

/ OR & - AND

PL - PLATE

PP - PARTIAL PENETRATION

PVC - POLYVINYLCHLORIDE

R - RADIUS

REF - REFERENCE

REINF - REINFORCEMENT

RG - REMOVABLE GUARDRAIL

RH - REMOVABLE HANDRAIL

REQ'D - REQUIRED

REV - REVISION

RGR - REMOVABLE GUARDRAIL

SCH - SCHEDULE

SH - SHEET

SIM - SIMILAR

SPCS - SPACES

SS - STAINLESS STEEL

STD - STANDARD

STIFF - STIFFENER

STR - STRUCTURAL

T - TOP

T&B - TOP AND BOTTOM

TEMP - TEMPORARY

THK - THICK, THICKNESS

T/O - TOP OF

TOG - TOP OF GRATING

TOC - TOP OF CONCRETE/CURB

TOR - TOP OF RAIL

TOS - TOP OF STEEL

TP - TANGENT POINT

TWL - TAIL WATER LEVEL

TYP - TYPICAL

UNO - UNLESS NOTED OTHERWISE

UIS - UNDERSIDE

VAR - VARIABLE, VARIES

VB - VERTICAL BRACING

V OR VERT - VERTICAL

WL - WATER LEVEL

WP - WORKING POINT,

WS - WATERSTOP

W/C - WATER CEMENT RATIO

WSH - HYDROPHILIC WATERSTOP

X/S - EXTRA STRONG

Public Services and Procurement Canada
Services publics et Approvisionnement Canada

Ontario Region
Heritage Canals and Engineering Works
Région de l'Ontario
Canaux historiques et travaux d'ingénierie

Parks Canada
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Contract No.	Drawing Code	Serial	Rev.
HS00243	210	41DD	0002 0

1	ADDENDUM 1	Y.B	07/31/2020
0	FOR TENDER	R.M	05/13/2020
No.	Description	By Par	Date

Revision / Révision

Do not scale drawings. Verify all dimensions and conditions on site and immediately notify the Departmental Representative of all discrepancies.
Ne pas mesurer à l'échelle sur les dessins. Vérifier toutes les dimensions et les conditions au chantier et aviser immédiatement le représentant ministériel de toute discordance.

A

B

A Detail number
Numéro du détail

B Location dwg. number
Numéro sur dessin

Professional stamps / Sceaux professionnels

Project title / Titre du projet

TRENT-SEVERN WATERWAY
DAM AT LOCK 28
- BURLEIGH FALLS -
RECONSTRUCTION

Drawing title / Titre du dessin

GENERAL NOTES
LEGEND, TABLES
& ABBREVIATIONS

Drawn by / Dessiné par H. BOIVIN		Designed by / Conçu par Y. BERTON P.Eng.	
Verified by / Vérifié par R. MIGUEL P.Eng.		Approved by / Approuvé par S. VITTECOQ P.Eng.	
Drawing Date / Date du dessin 05/13/2020			Drawing Number/ Numéro du Dessin 002
Project Number / Numéro du projet R.076951.705			Sheet Feuille 1 of de 1

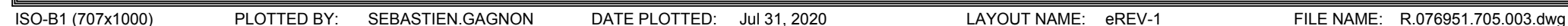
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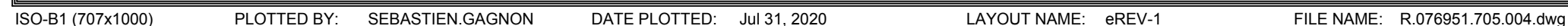
PLOTTED BY: SEBASTIEN GAGNON

DATE PLOTTED: Jul 31, 2020

LAYOUT NAME: eREV-1

FILE NAME: R.076951.705.002.dwg






1. FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS SEE DRAWING 002.
2. NEW DAM UPSTREAM LINE TO BE LOCATED AT 2.7 m FROM EXISTING DAM DOWNSTREAM LINE.
3. MAXIMUM FOOTPRINT OF DEWATERED AREA INCLUDING COFFERDAM AND ANY OTHER DEWATERING STRUCTURES. 28 m FROM DOWNSTREAM EDGE OF NEW DAM APRON.
4. ALL IN WATER WORKS TO BE DONE BEHIND TURBIDITY CURTAINS.
5. PARKING AREA TO REMAIN OPEN TO THE PUBLIC AT ALL TIMES. CLOSURE REQUIRED FOR WORKS (CUTOFF WALL, END OF NORTH GRAVITY DAM, REPAIRS TO DAM) TO BE CONDUCTED OUTSIDE OF NAVIGATION SEASON AND WITH WRITTEN APPROVAL OF THE DPT. REPRESENTATIVE PRIOR TO CLOSURE. EMPLOYEE PARKING NOT ALLOWED.
6. COFFERDAM TO WITH STAND OVERTOPPING. SEE SPECIFICATION SECTION 35 20 22.
7. ACCESS FROM BANK TO BANK TO BE MAINTAINED THROUGH OUT WORK. INSTALL TEMPORARY WALKWAY PRIOR TO PHASE II DAM DECK AND NEW DAM APRON BEFORE EXISTING II - DEMOLITION OF EXISTING DAM.
8. CLEAR SEEPAGE LINER FOUNDATION OF DEBRIS PRIOR TO INSTALLATION.

1	ADDENDUM 1	Y.B	07/31/2020/20
0	FOR TENDER	R.M	05/13/2020/20
No.	Description	By Per	Date

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A Detail number
Numéro du détail

B Location dwg. number
Numéro sur dessin

Professional stamps / Sceaux professionnels

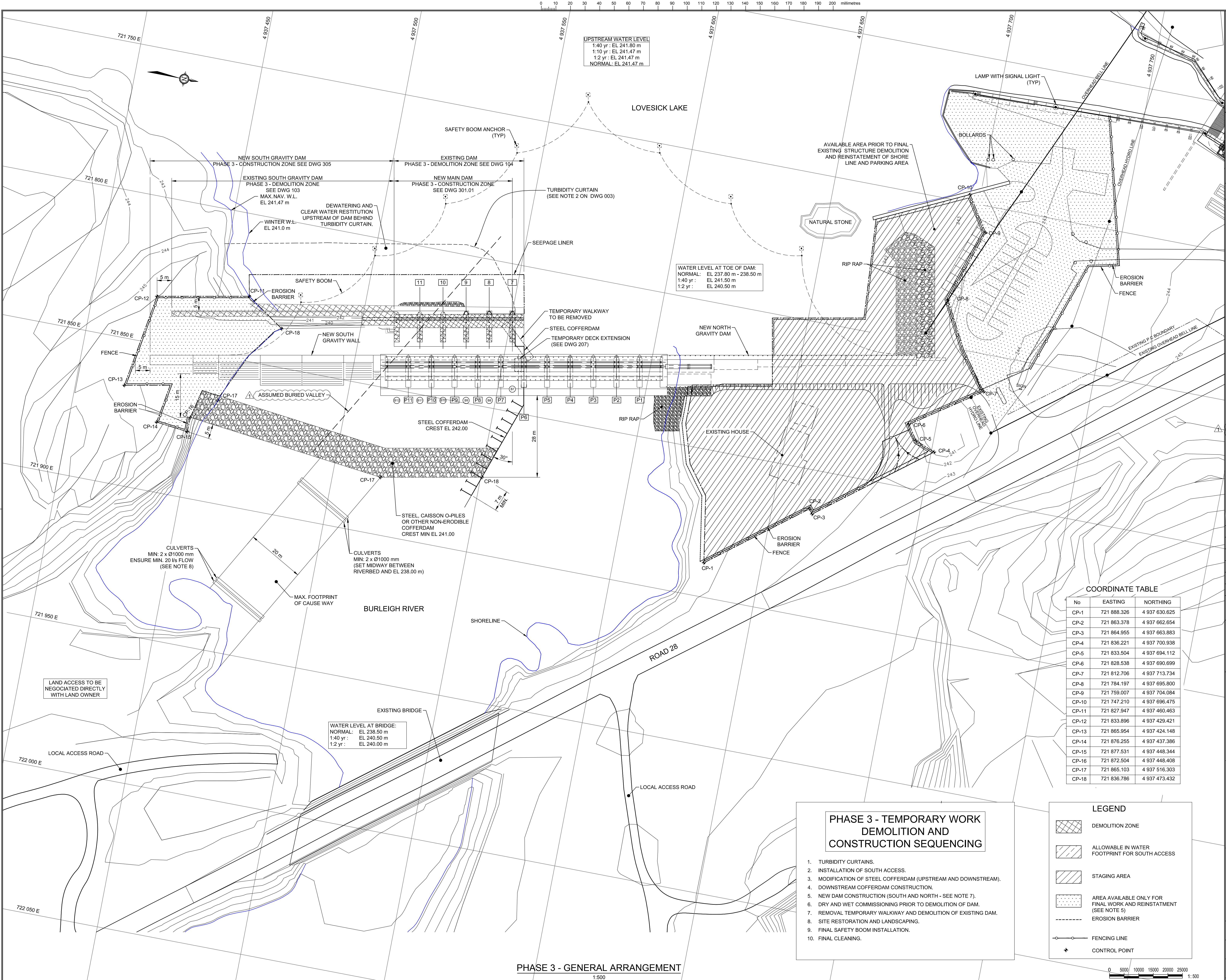
Project title / Titre du projet

TRENT-SEVERN WATERWAY
DAM AT LOCK 28
- BURLEIGH FALLS -
RECONSTRUCTION

Drawing title / Titre du dessin

CONSTRUCTION PHASING
PHASE 2
GENERAL ARRANGEMENT

Drawn by / Dessiné par		Designed by / Conçu par	
H. BOIVIN		Y. BERTON P. Eng.	
Verified by / Vérifié par		Approved by / Approuvé par	
R. MIGUEL P. Eng.		S. VITTECOQ P. Eng.	
Drawing Date / Date du dessin		Drawing Number / Numéro du Dessin	
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Contract No.	Drawing Code	Serial	Rev.
HS00243	210	41DD	0005 0

NOTES

- FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS SEE DRAWING 100.
- NEW DAM UPSTREAM LINE TO BE LOCATED AT 2.7 m FROM EXISTING DAM DOWNSTREAM LINE.
- MAXIMUM FOOTPRINT OF DEWATERED AREA INCLUDING COFFERDAM AND ANY OTHER DEWATERING STRUCTURES: 28 m FROM DOWNSTREAM EDGE OF NEW DAM APRON.
- ALL IN WATER WORKS TO BE DONE BEHIND TURBIDITY CURTAINS.
- PARKING AREA TO REMAIN OPEN TO THE PUBLIC AT ALL TIMES. CLOSURE REQUIRED FOR WORKS (CUTOFF WALL, END OF NORTH GRAVITY DAM, REINSTATEMENT) TO BE CONDUCTED OUTSIDE OF NAVIGATION SEASON AND WITH WRITTEN APPROVAL OF THE DPT. REPRESENTATIVE PRIOR TO CLOSURE. EMPLOYEE PARKING NOT ALLOWED.
- COFFERDAM TO WITH STAND OVERTOPPING. SEE SPECIFICATION SECTION 35 20 22.
- INSTALLATION OF PRECAST DECK OVER SLUICE B7 REQUIRES REMOVAL OF TEMPORARY OPERATING PLATFORM. DURING THIS WORK SLUICE B6 WILL NOT BE OPERABLE. DOWNTIME OF SLUICE B6 MUST BE MINIMIZED AND COORDINATED WITH DEPARTMENTAL REPRESENTATIVE.
- ENSURE A MINIMUM 20 l/s FLOW INTO AREA CUT-OFF BY ACCESS ROAD (PUMPING OR SIPHON FROM UPSTREAM)
- CLEAR SEEPAGE LINER FOUNDATION OF DEBRIS PRIOR TO INSTALLATION.

No.	Description	By	Date
1	ADDENDUM 1	Y.B	07/31/2020
0	FOR TENDER	R.M	05/13/2020

Revision / Révision

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B	B Location dwg. number Numéro sur dessin

Professional stamps / Sceaux professionnels

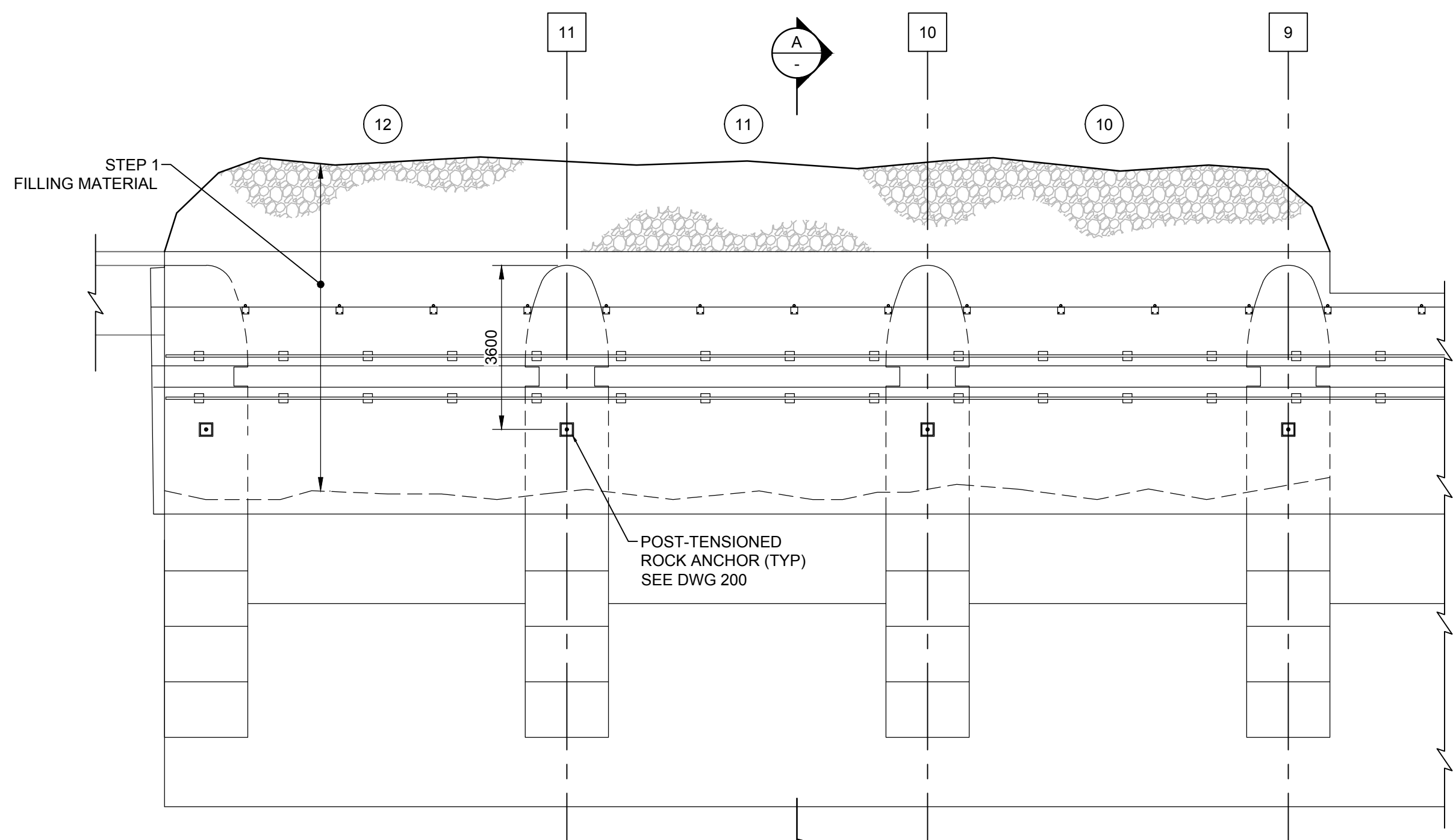
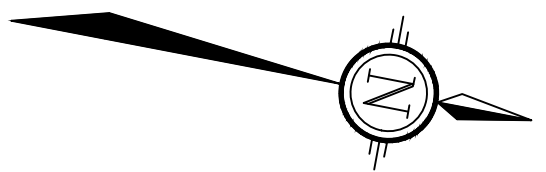
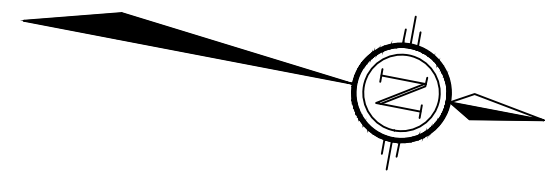
Project title / Titre du projet

TRENT-SEVERN WATERWAY
DAM AT LOCK 28
- BURLEIGH FALLS -
RECONSTRUCTION

CONSTRUCTION PHASING
PHASE 3
GENERAL ARRANGEMENT

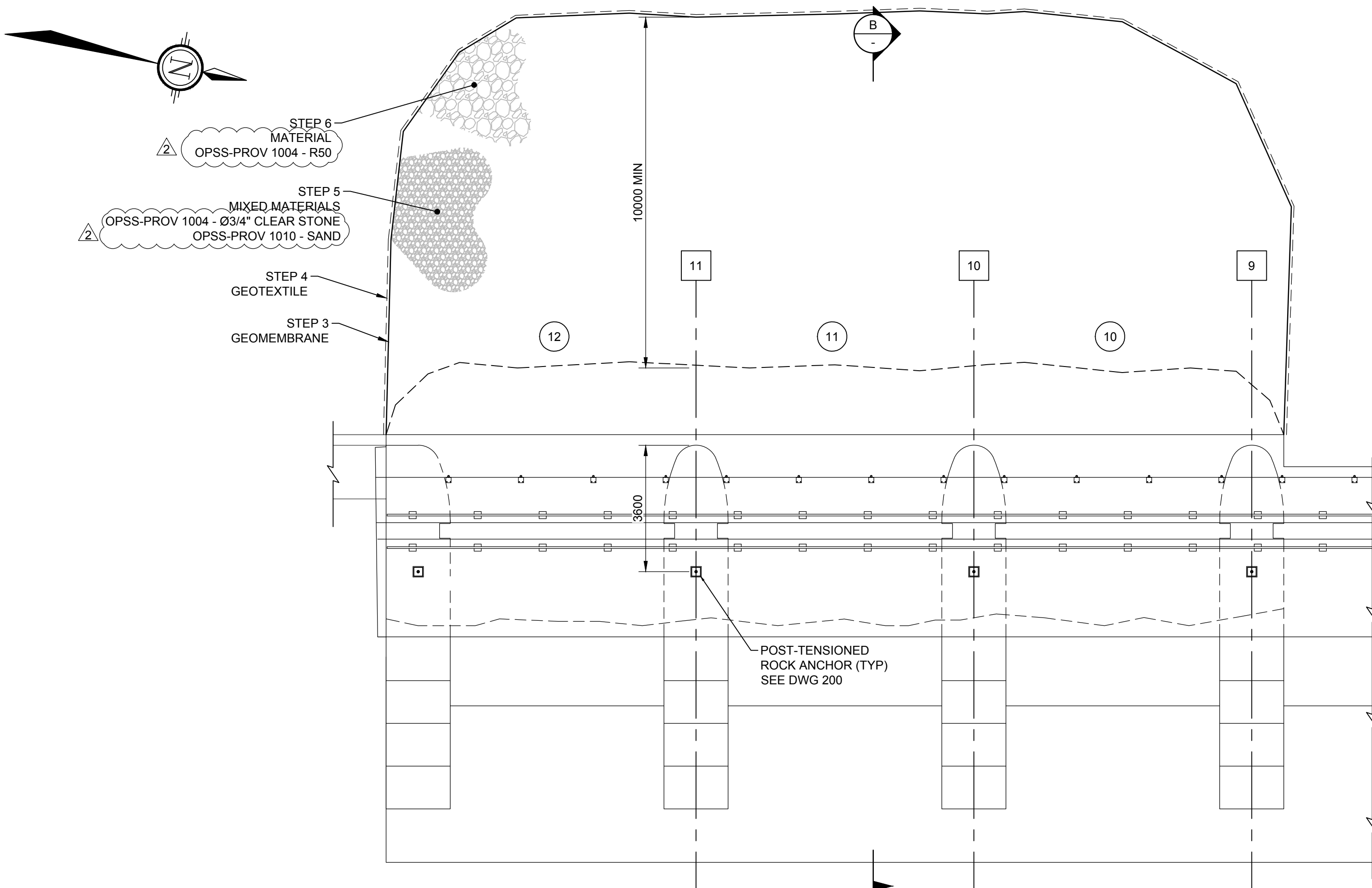
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Verified by / Vérifié par R. MIGUEL P.Eng.	Approved by / Approuvé par S. VITTECOQ P.Eng.
Drawing Date / Date du dessin 05/13/2020	Drawing Number/ Numéro du Dessin 005
Project Number / Numéro du projet R.076951.705	Sheet Feuille 1 of 1

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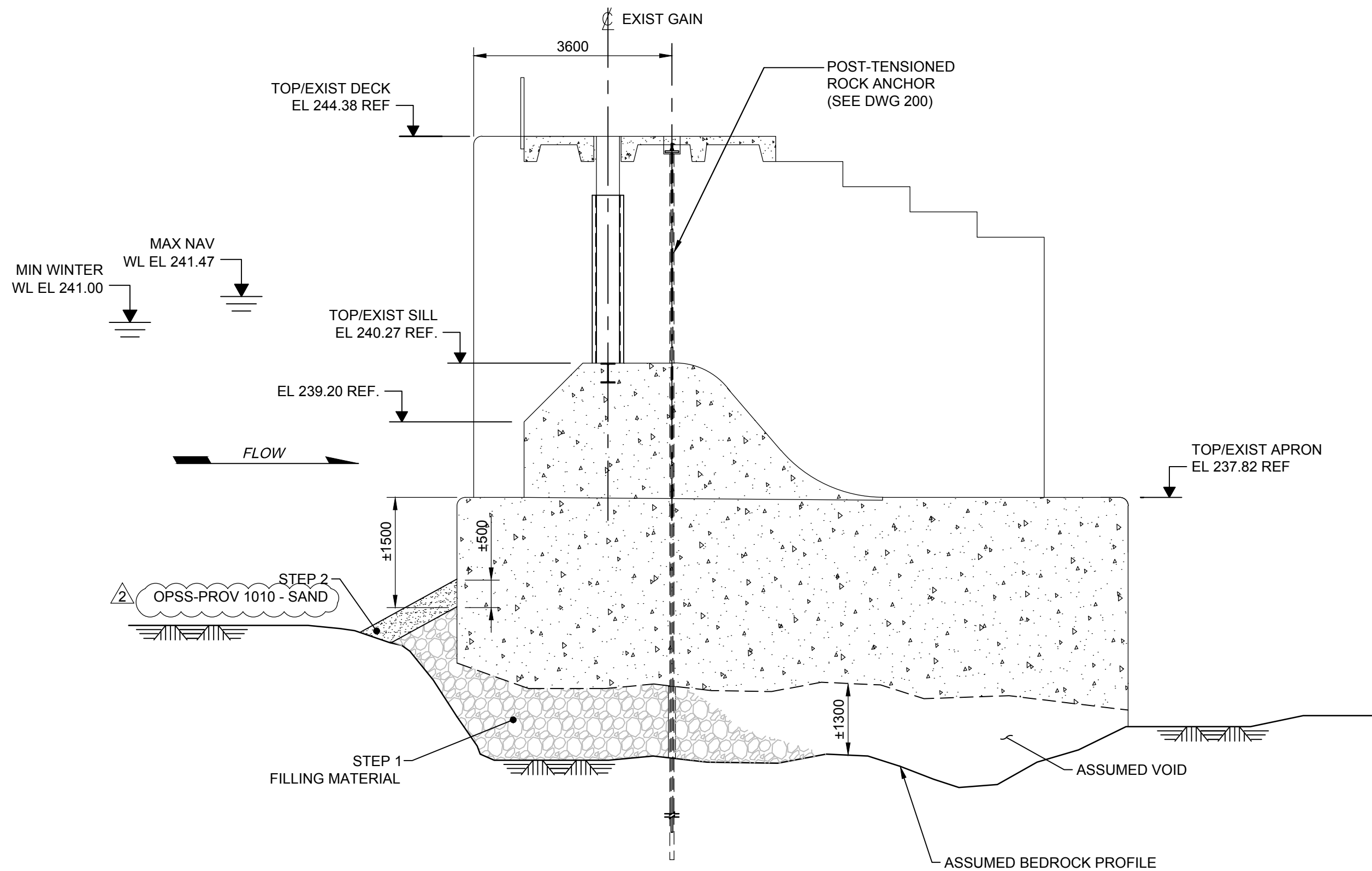
PLAN AT LEVEL 244.38

1:100

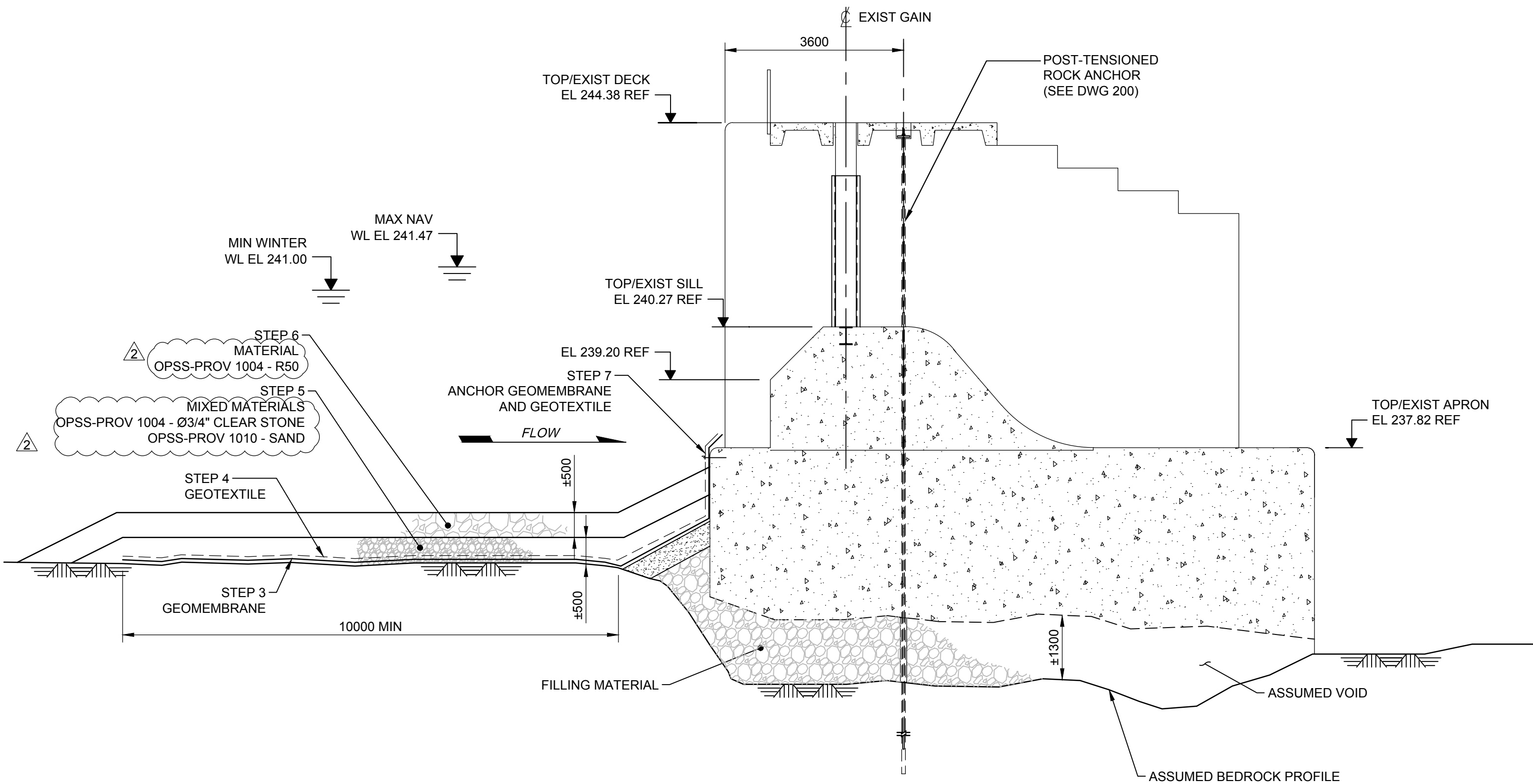


PLAN AT LEVEL 244.38

1:100



SECTION A
1:75



SECTION B
1:75

VOID TREATMENT CONSTRUCTION SEQUENCING

STEP 1

FILL THE VOID UNTIL THE FILLING MATERIAL BEDDING IS STABLE OVER A MINIMUM 24 H PERIOD AND THE FLOW UNDER THE DAM IS SUFFICIENTLY CONTROLLED TO ENSURE THE SAFETY OF DIVERS. FILLING MATERIAL SHALL BE INSTALLED UP TO 1.5 m APPROXIMATELY BENEATH TOP OF APRON IN CONSECUTIVE LAYERS OF THE FOLLOWING MATERIALS IN SEQUENCE:

- OPSS-PROV 1004 - R50
 - OPSS-PROV 1004 - G-3
 - OPSS-PROV 1004 - Ø3/4\" CLEAR STONE
 - OPSS-PROV 1010 - SAND
- AFTER INITIAL SEQUENCE, ADD MATERIAL TYPES AND QUANTITY AS NEEDED TO FILL THE VOID AND MEET THE ABOVE CRITERIA.

STEP 2

DEPOSIT A LAYER OF APPROXIMATELY 500 mm OF THE FOLLOWING MATERIAL ON TOP OF STEP 1 FILLING MATERIAL

- OPSS-PROV 1010 - SAND

STEP 3

DEPOSIT A PVC SMOOTH GEOMEMBRANE LINER WITH A MINIMUM THICKNESS, IN ACCORDANCE TO ASTM D-5198, OF 0.75 mm, ENSURE AS MUCH AS CONTACT AS POSSIBLE BETWEEN GEOMEMBRANE AND UNDERLYING FILL MATERIAL TO AVOID TEARS DURING SUBSEQUENT STEPS.

STEP 4

DEPOSIT A NON WOVEN GEOTEXTILE AS PER TECHNICAL SPECIFICATION SECTION 31 32 19.2 ON TOP OF GEOMEMBRANE LINER.

STEP 5

DEPOSIT ON TOP OF THE GEOTEXTILE AND GEOMEMBRANE LINER A LAYER OF APPROXIMATELY 500 mm OF A MIX OF THE FOLLOWING MATERIAL.

- (APPROX. PROPORTION 50/50)
- OPSS-PROV 1010 - SAND
- OPSS-PROV 1004 Ø3/4\" CLEAR STONE

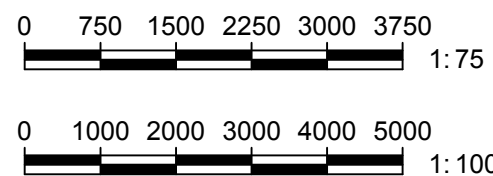
STEP 6

DEPOSIT A LAYER OF APPROXIMATELY 500 mm OF THE FOLLOWING MATERIAL

- OPSS-PROV 1004-R50

STEP 7

ANCHOR THE GEOTEXTILE AND GEOMEMBRANE TO THE UPSTREAM FACE OF THE APRON (SEE NOTE 5)



Contract No.	Drawing Code	Serial	Rev.
HS00243	210	41DD	0201

NOTES

- FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS SEE DRAWING 002.
- NO DIVERS ALLOWED UNTIL STEP 6 HAS BEEN COMPLETED.
- CONSIDERATION SHOULD BE GIVEN TO USING DIVING CAGES TO ENSURE DIVER SAFETY.
- CONTRACTOR MUST CONSULT VIDEO SURVEYS, GEOTECHNICAL REPORTS AND INVESTIGATION REPORTS PERTAINING TO THE VOIDS BEFORE UNDERTAKING THE WORKS. DIMENSIONS AND LOCALIZATION SHOWN IN REPORTS AND DRAWINGS ARE APPROXIMATE. CONTRACTOR MUST ADAPT WORK METHODS BASED ON THEIR UNDERSTANDING OF THE VOIDS AND ON CONDITIONS ENCOUNTERED ON SITE AS THE WORK IS CARRIED OUT.
- AT ALL TIMES DURING THE WORK, THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR THE SAFETY OF THE DIVERS.

No.	Description	By	Date
2	ADDENDUM 2	C.GP	07/31/2020
1	ADDENDUM 1	C.GP	06/25/2020
0	FOR TENDER	C.GP	05/13/2020

Revision / Révision

Do not scale drawings. Verify all dimensions and conditions on site and immediately notify the Departmental Representative of all discrepancies.
Ne pas mesurer à l'échelle sur les dessins. Vérifier toutes les dimensions et les conditions au chantier et aviser immédiatement le représentant ministériel de toute discordance.

A	A Detail number Numéro du détail
B	B Location dwg. number Numéro sur dessin

Professional stamps / Sceaux professionnels

Project title / Titre du projet

TRENT-SEVERN WATERWAY DAM AT LOCK 28 - BURLEIGH FALLS - RECONSTRUCTION

Drawing title / Titre du dessin

TEMPORARY WORKS PHASE 1 VOID TREATMENT PLAN AND SECTIONS

Drawn by / Dessiné par H. BOIVIN	Designed by / Conçu par C. GAZARIAN PAGÉ P.Eng.
Verified by / Vérifié par Y. BERTON P.Eng.	Approved by / Approuvé par S. VITTECOQ P.Eng.
Drawing Date / Date du dessin 05/13/2020	Drawing Number / Numéro du Dessin 201
Project Number / Numéro du projet R.076951.705	Sheet Feuille 1 of 1

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 millimetres

Contract No.	Drawing Code	Serial	Rev.
HS00243	210	41DD	0202 0

NOTES

- FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS SEE DRAWING 002.
- TOP OF TEMPORARY WOOD SILL BEAM TO BE FLUSH WITH EXISTING APRON.
- CONTRACTOR TO DESIGN AND INSTALL TEMPORARY GAIN HEATERS ON SLUICES 8 TO 12 FOR USE DURING PHASE 2 OF WORKS.
 - ELEMENTS ON BOTH SIDES OF STOP LOG GAINS FOR A TOTAL OF 20 ELEMENTS.
 - 1.5 kW MINIMUM PER ELEMENT.
 - SYSTEM MUST HAVE THE CAPACITY TO SWITCH ON AND OFF EACH SLUICE INDIVIDUALLY.
 - SWITCHES/PANELS TO BE LOCATED ON THE DECK OR AT NORTH ENTRANCE OF THE DECK. PANEL NOT TO INTERFERE WITH LOG OPERATIONS AND STORAGE.
 - POWER CABLES TO BE INSTALLED UNDER THE DECK AT DOWNSTREAM OR UPSTREAM SIDE. CABLES SHALL BE INSTALLED IN PVC CONDUIT OR USE JACKETED & ARMoured (e.g. TECK/ACWU) CABLES.
 - SYSTEM TO INCLUDE GROUND FAULT DETECTION.
 - SYSTEM MUST NOT INTERFERE WITH OPERATION LOGS.
 - CONTRACTOR TO ASSUME POWER COST.
 - INSTALL TO CODE FOR TEMPORARY INSTALLATIONS.
 - OBTAIN ESA APPROVAL PRIOR TO ENERGIZING.
 - PROVIDE PCA WITH SHORT TRAINING ON OPERATION AND SHORT OPERATING MANUAL WITH PICTURES OF ACTUAL CONTROL PANEL (OPERATION OF HEATER UPON REQUEST OF PCA REMAINS CONTRACTOR RESPONSIBILITY).
 - SYSTEM SHOWN ON DRAWING IS FOR INFORMATION PURPOSE ONLY FOR CONTRACTOR TO DESIGN A TEMPORARY HEATING SYSTEM.
 - FOLLOWING SILL BEAM INSTALLATION, FILL HOLE WITH SILICONE BASED MATERIAL.

No.	Description	By	Date
1	ADDENDUM 1	C.G.P.	07/31/2020
0	FOR TENDER	C.G.P.	05/13/2020

Revision / Révision

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A	A Detail number Numéro du détail
B	B Location dwg. number Numéro sur dessin

Professional stamps / Sceaux professionnels

Project title / Titre du projet

TRENT-SEVERN WATERWAY DAM AT LOCK 28 - BURLEIGH FALLS - RECONSTRUCTION

Drawing title / Titre du dessin

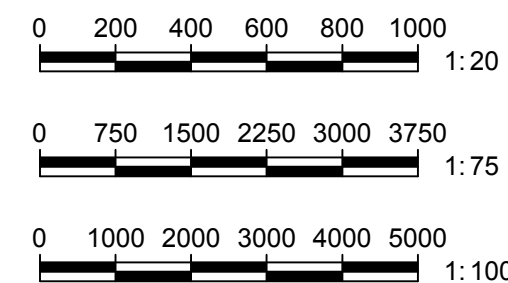
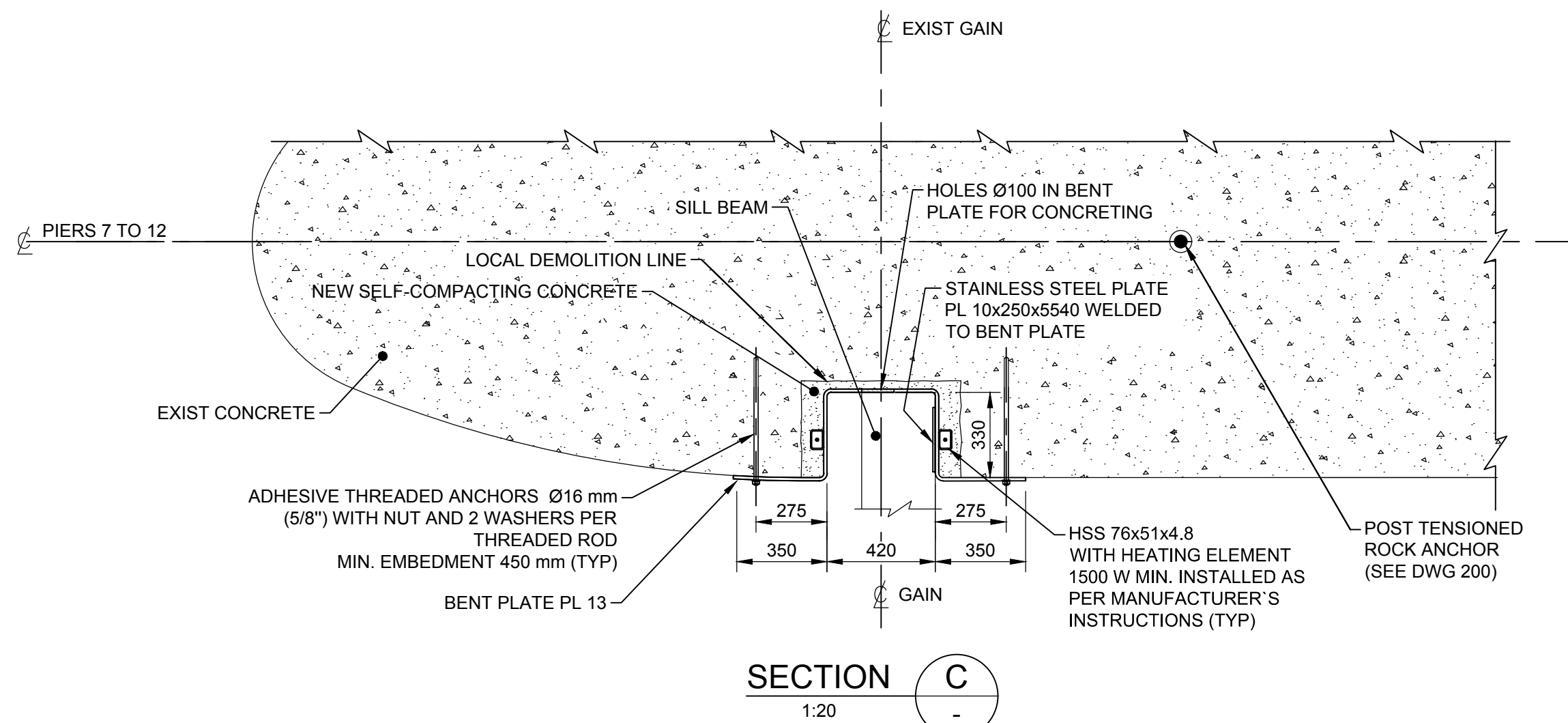
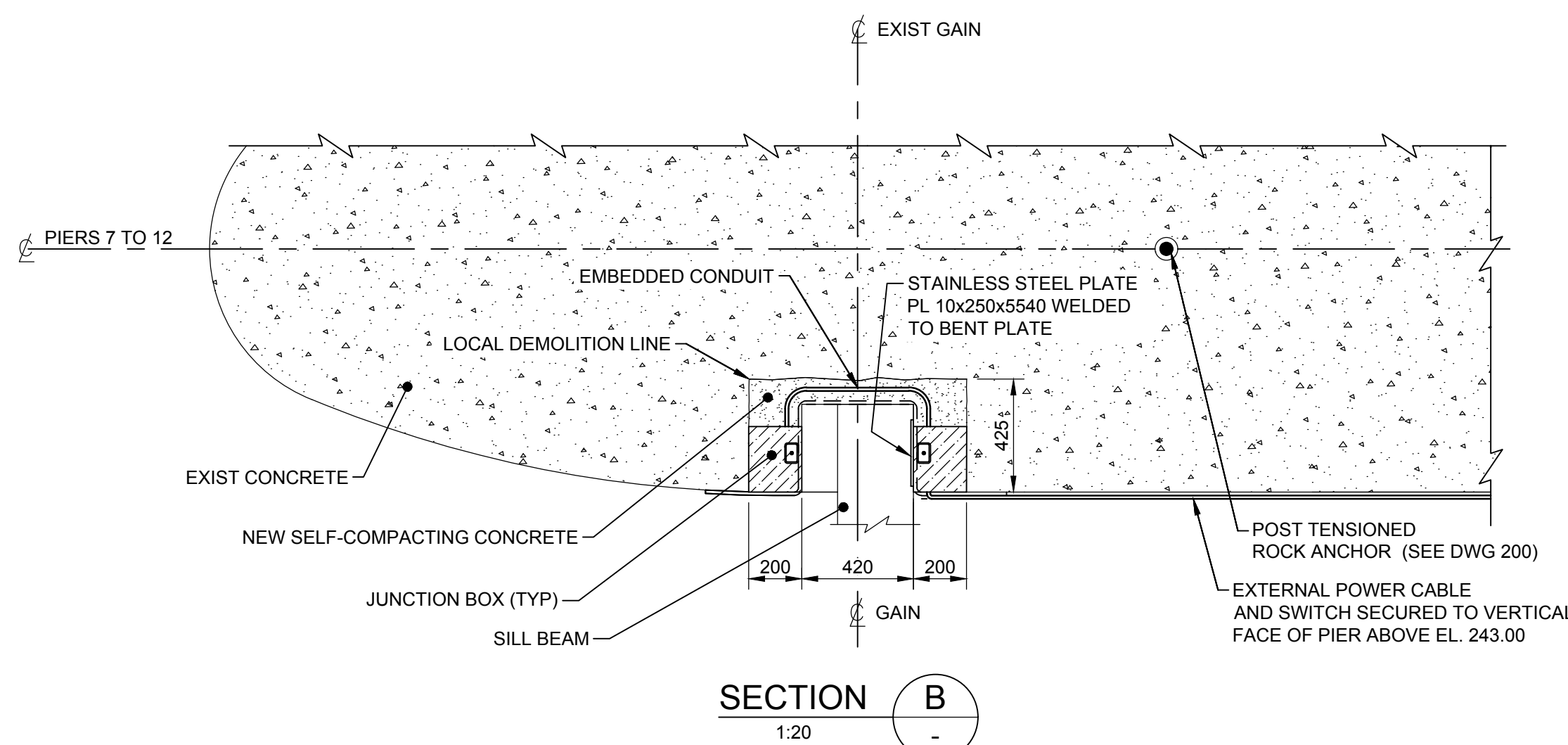
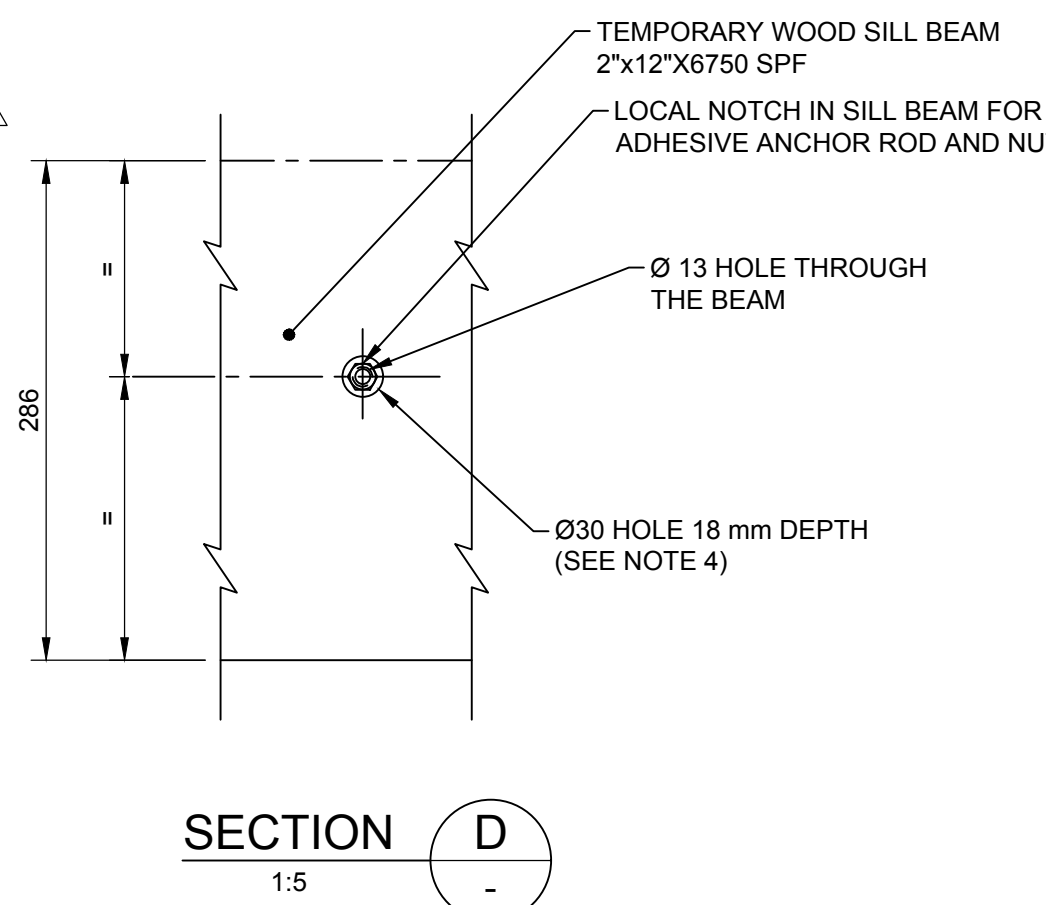
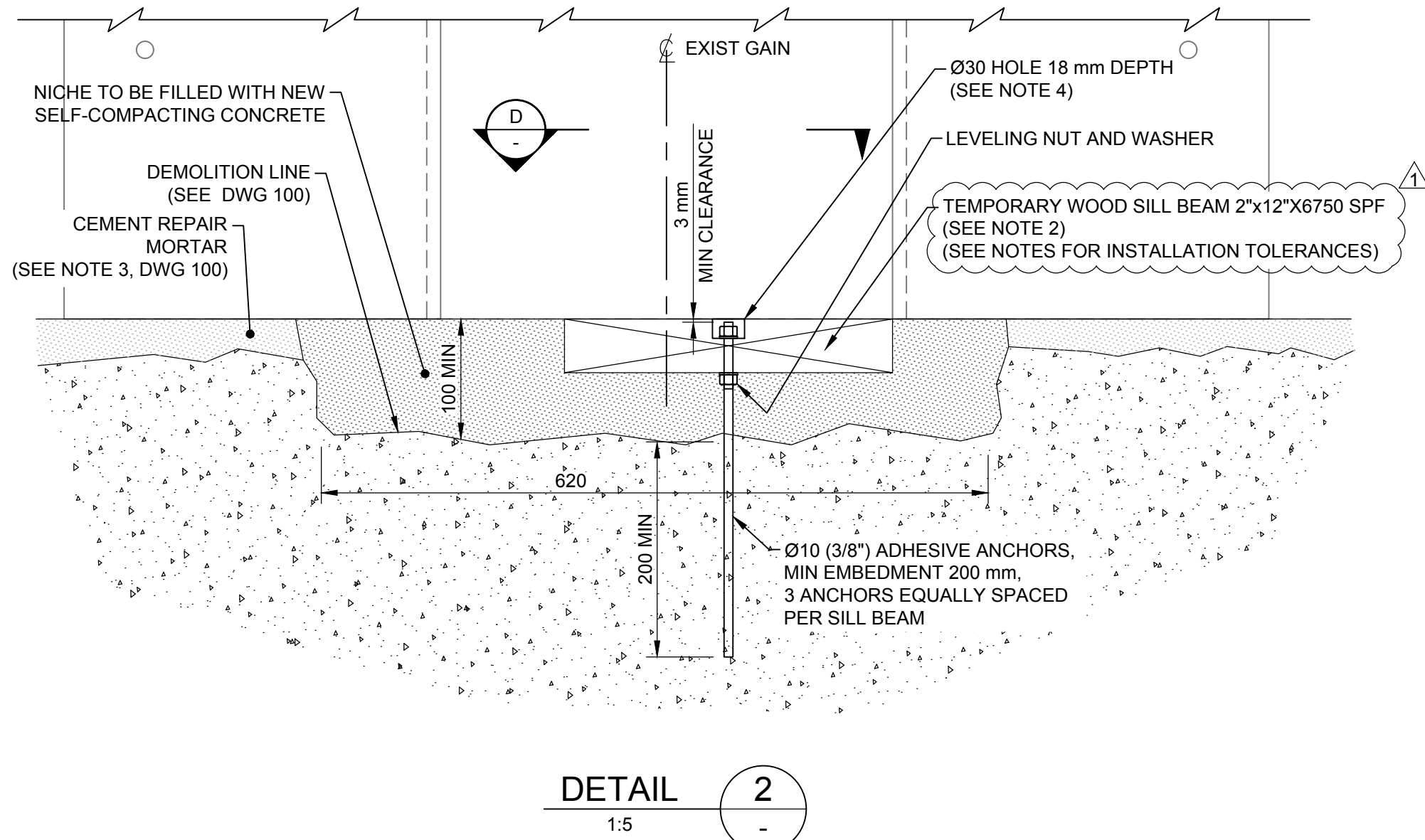
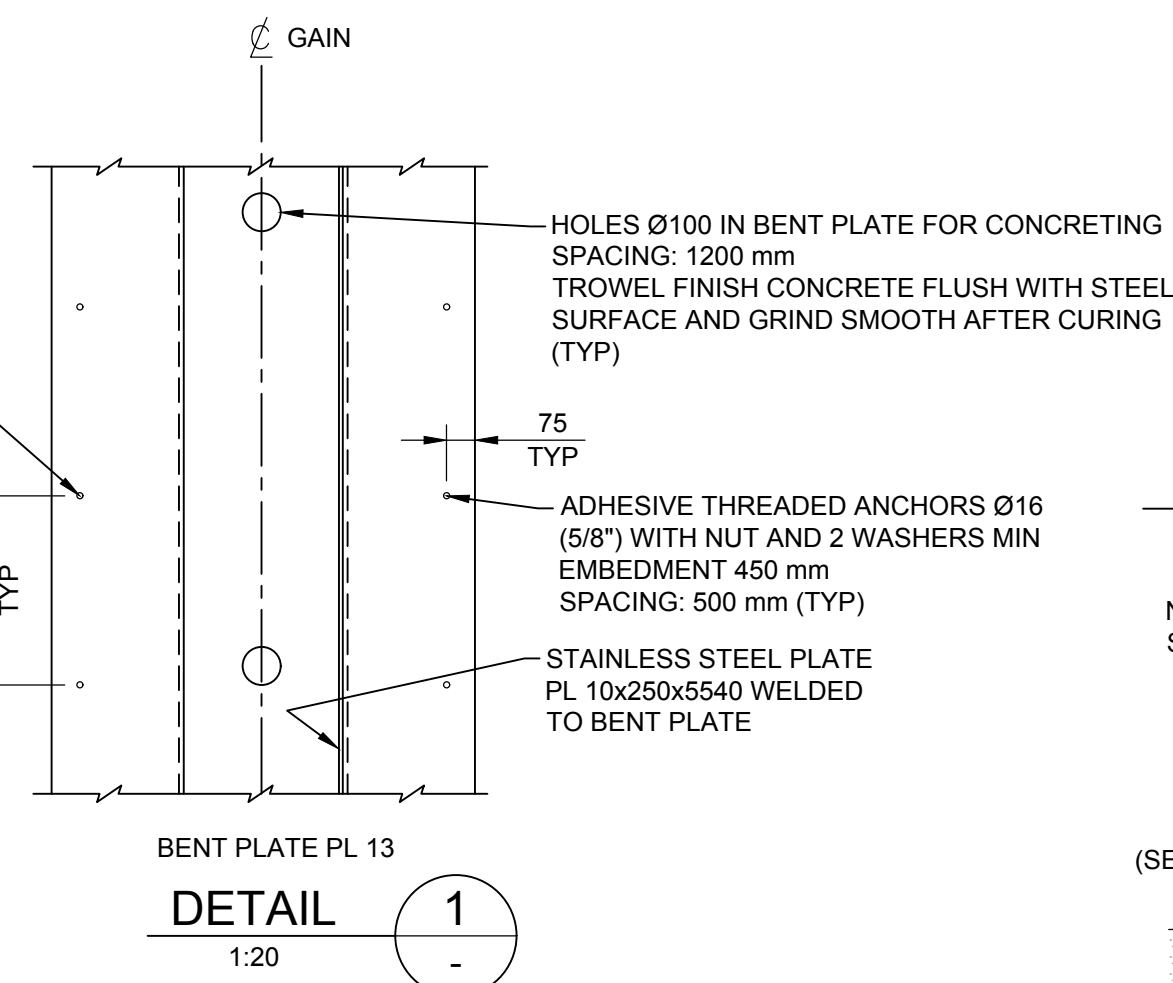
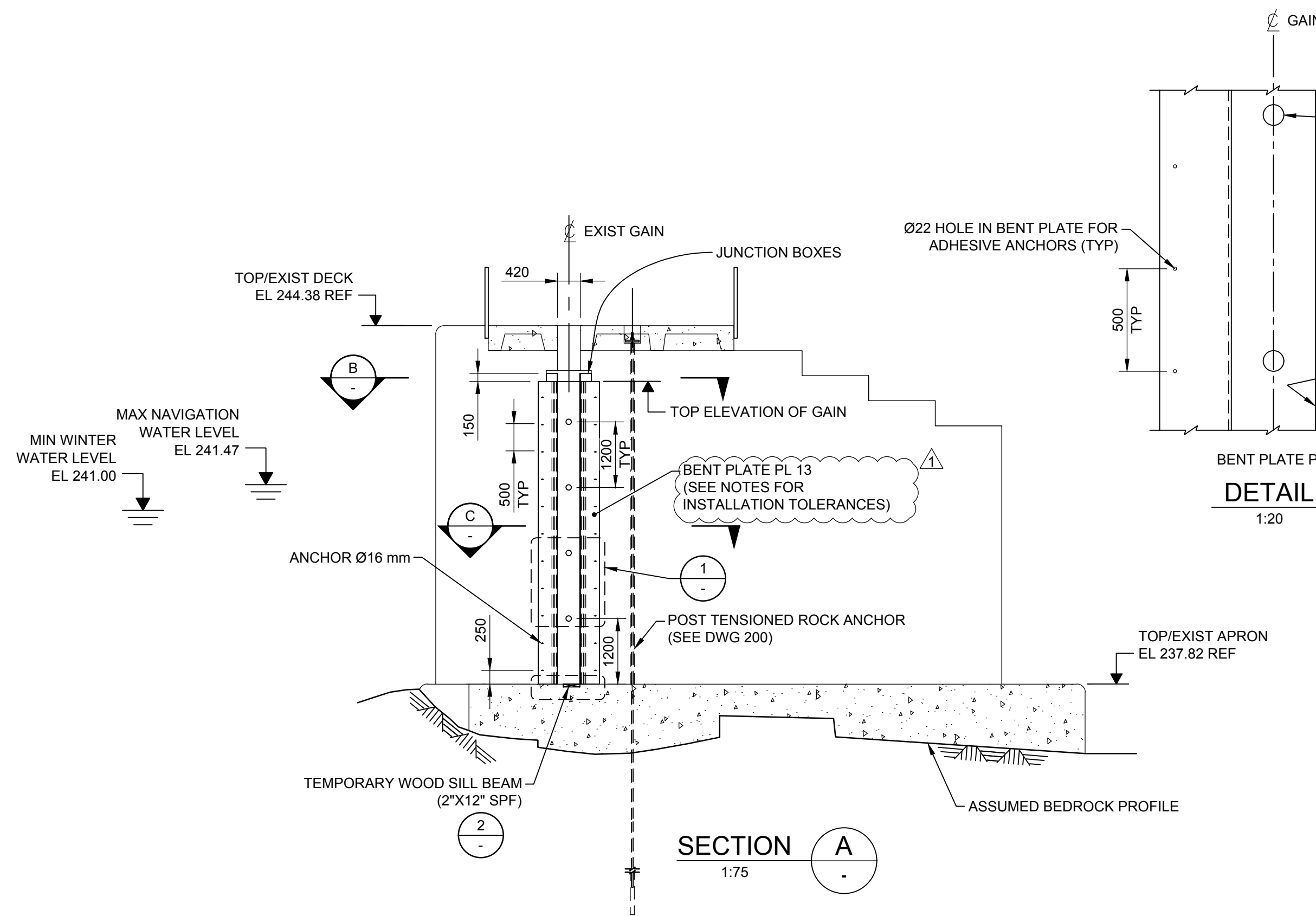
TEMPORARY WORKS PHASE 1 STOPLOG GAIN AND SILLS PLAN, SECTIONS AND DETAIL

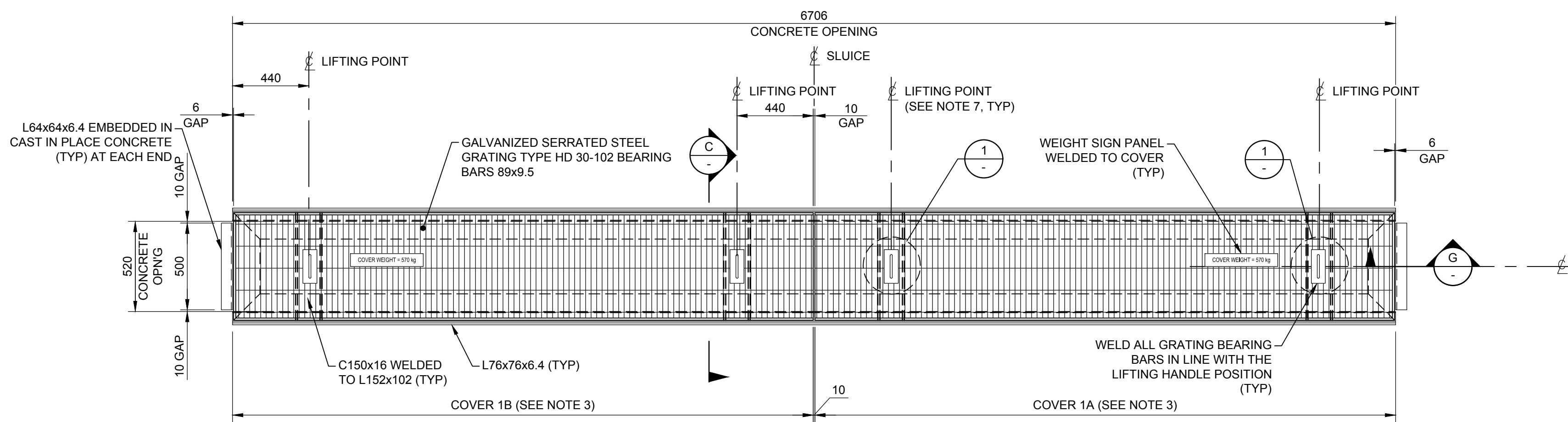
Drawn by / Dessiné par H. BOIVIN	Designed by / Conçu par F. GOMES MESTRINER EIT
Verified by / Vérifié par C. GAZARIAN PAGE P.Eng.	Approved by / Approuvé par S. VITTECOQ P.Eng.
Drawing Date / Date du dessin 05/13/2020	Drawing Number / Numéro du Dessin 202
Project Number / Numéro du projet R.076951.705	Sheet Feuille 1 of 1

- STOP LOG GAINS EMBEDDED PARTS INSTALLATION TOLERANCES:
- CENTRELINE POSITION OF TOP GUIDE TO BE WITHIN ± 3 mm OF SPECIFIED POSITION ON DRAWINGS.
 - MAXIMUM DEVIATION FROM TRUE VERTICALITY FOR THE OVERALL HEIGHT : 5 mm IN EACH DIRECTION PERPENDICULAR TO FLOW. 3 mm IN DIRECTION PARALLEL TO FLOW, FOR EACH FACE, ANYWHERE ALONG THE HEIGHT.
 - SILL BEAM:
 - LEVEL : MAXIMUM VERTICAL DEVIATION OF ± 3 mm OVER FULL LENGTH.
 - STRAIGHTNESS : ± 1 mm ON 1800 mm STRAIGHT EDGE.
 - DISTANCE BETWEEN LATERAL FACES OF GUIDES ACROSS ONE PASSAGE : NOMINAL DISTANCE ± 10 mm, ANYWHERE ALONG THE HEIGHT.
 - BRACING DURING CONCRETE POUR BY CONTRACTOR.

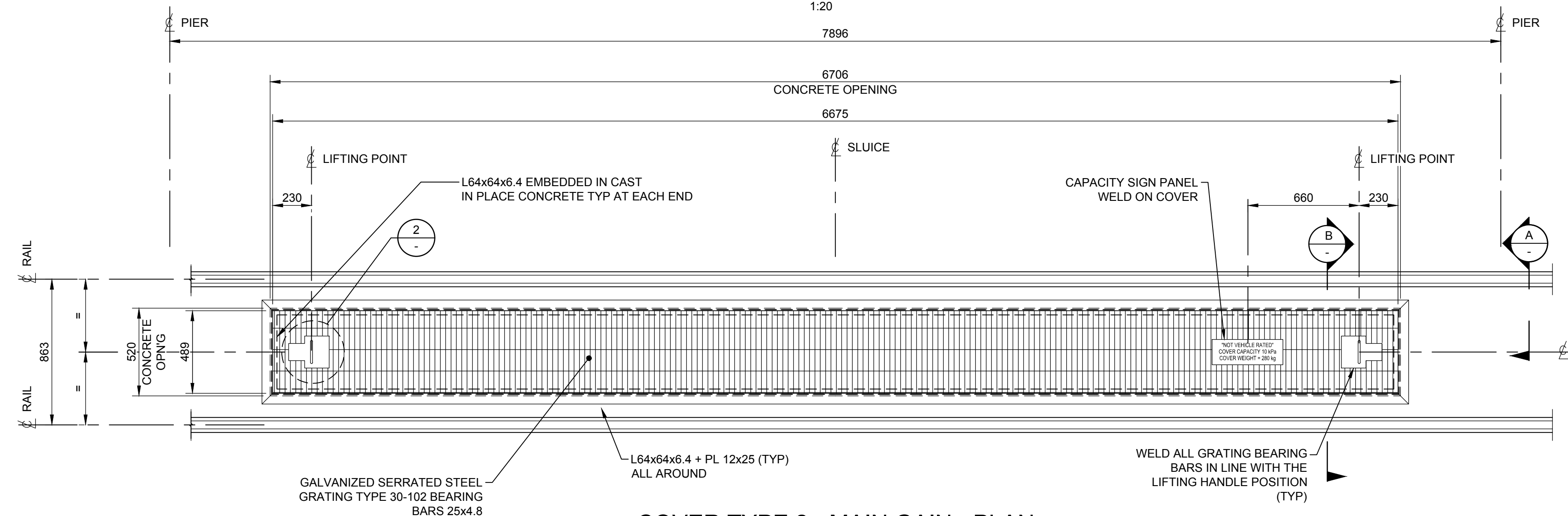
PLAN AT LEVEL 238.00

1:100

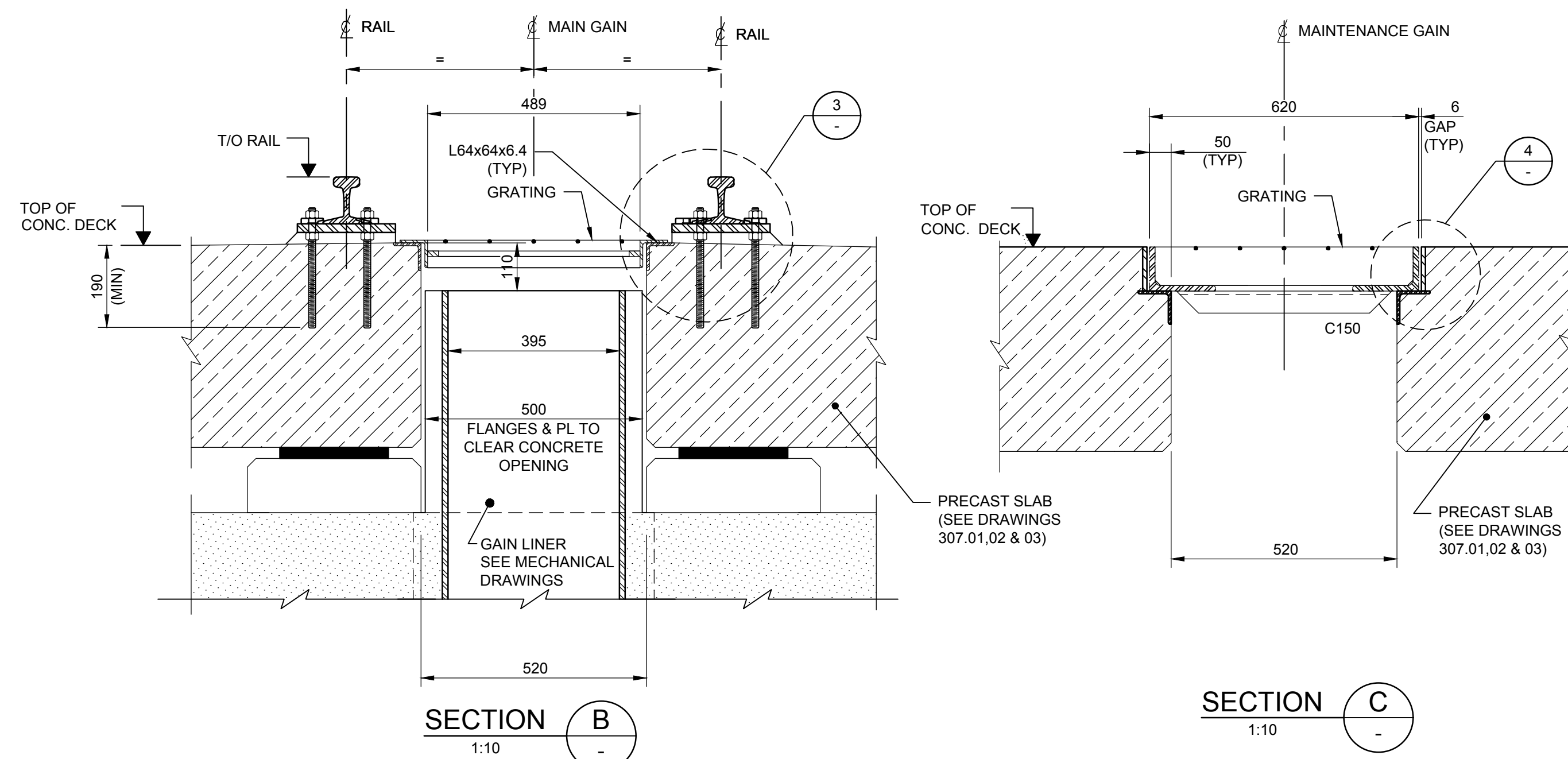




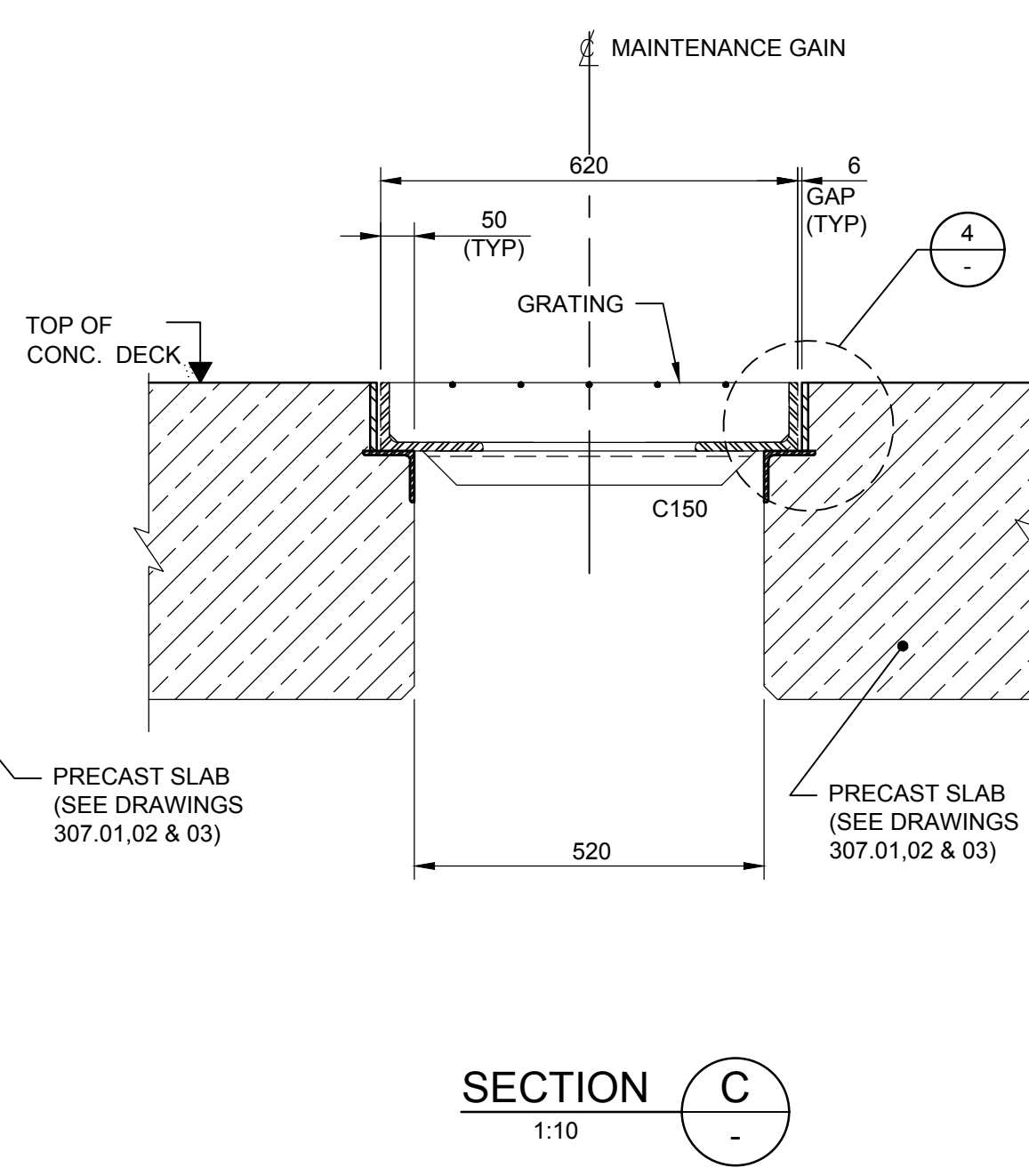
COVER TYPE 1 - MAINTENANCE GAIN - PLAN
(FOR ALL SLUICES QUANTITY 12 REQUIRED)
1:20



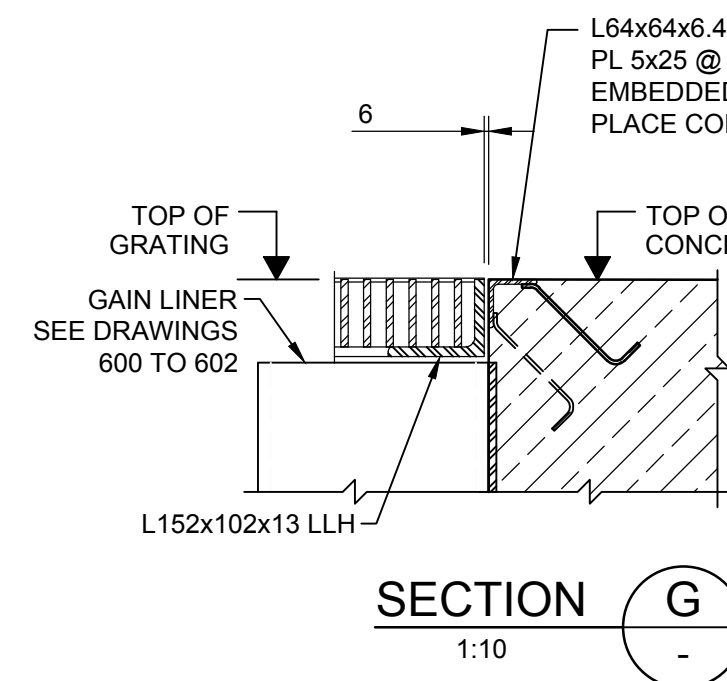
COVER TYPE 2 - MAIN GAIN - PLAN
(FOR ALL SLUICES QUANTITY 12 REQUIRED)
1:20



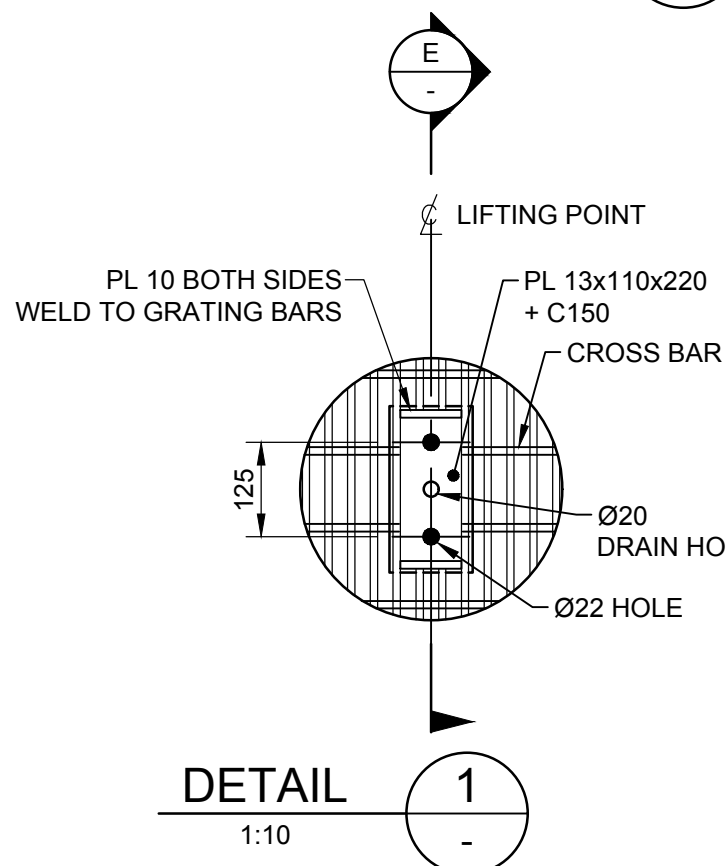
SECTION B
1:10



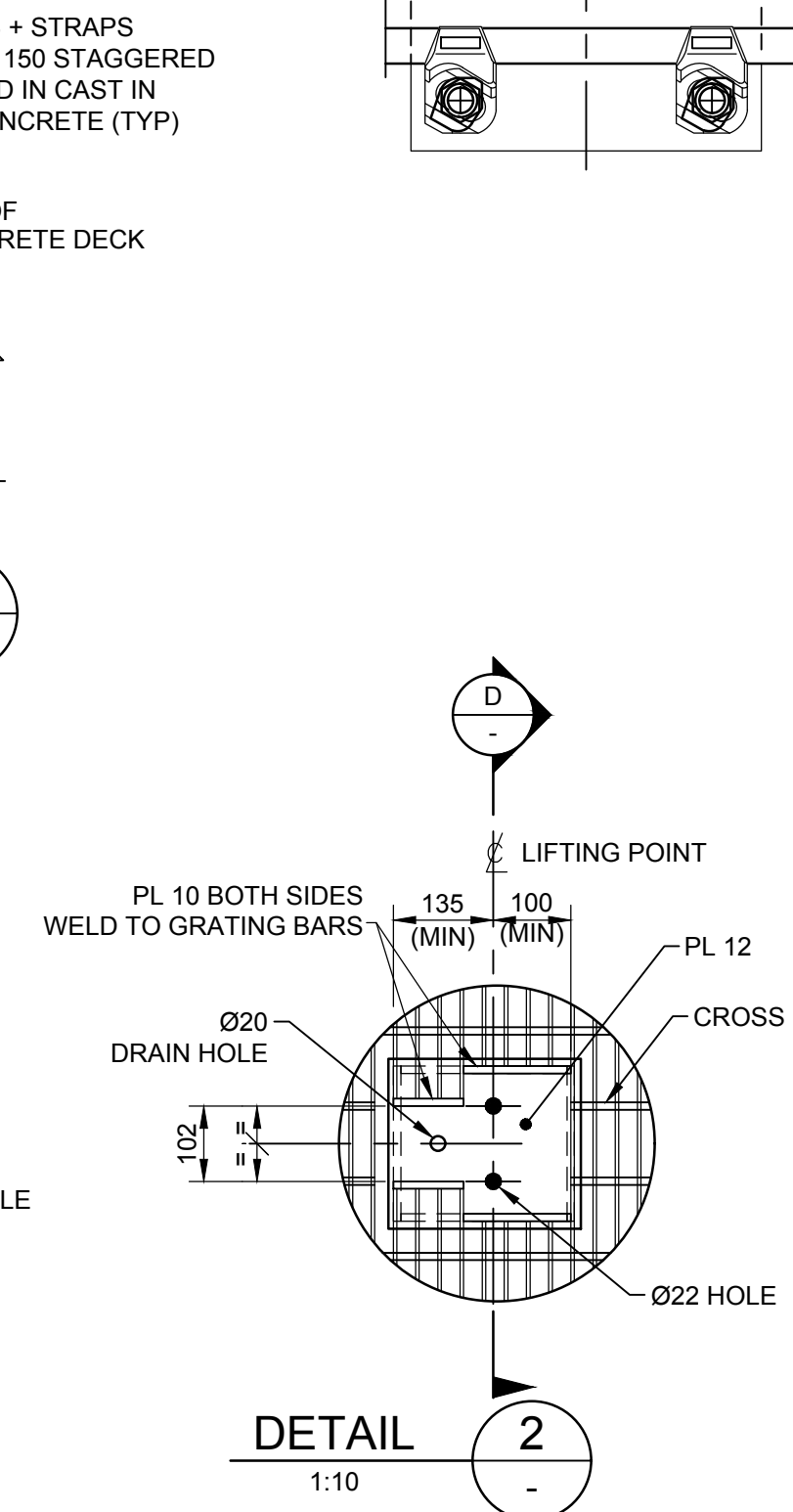
SECTION C
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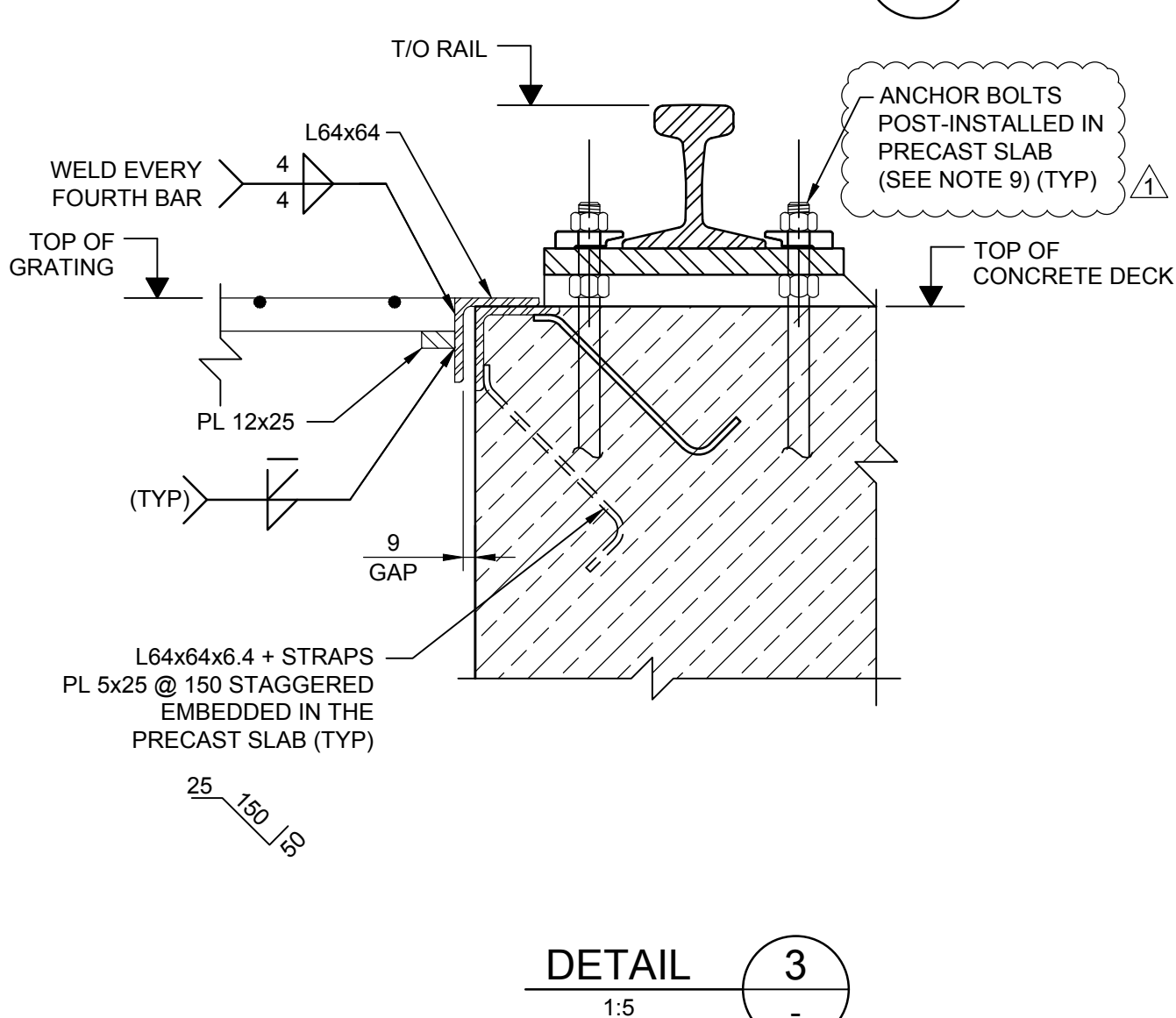
SECTION G
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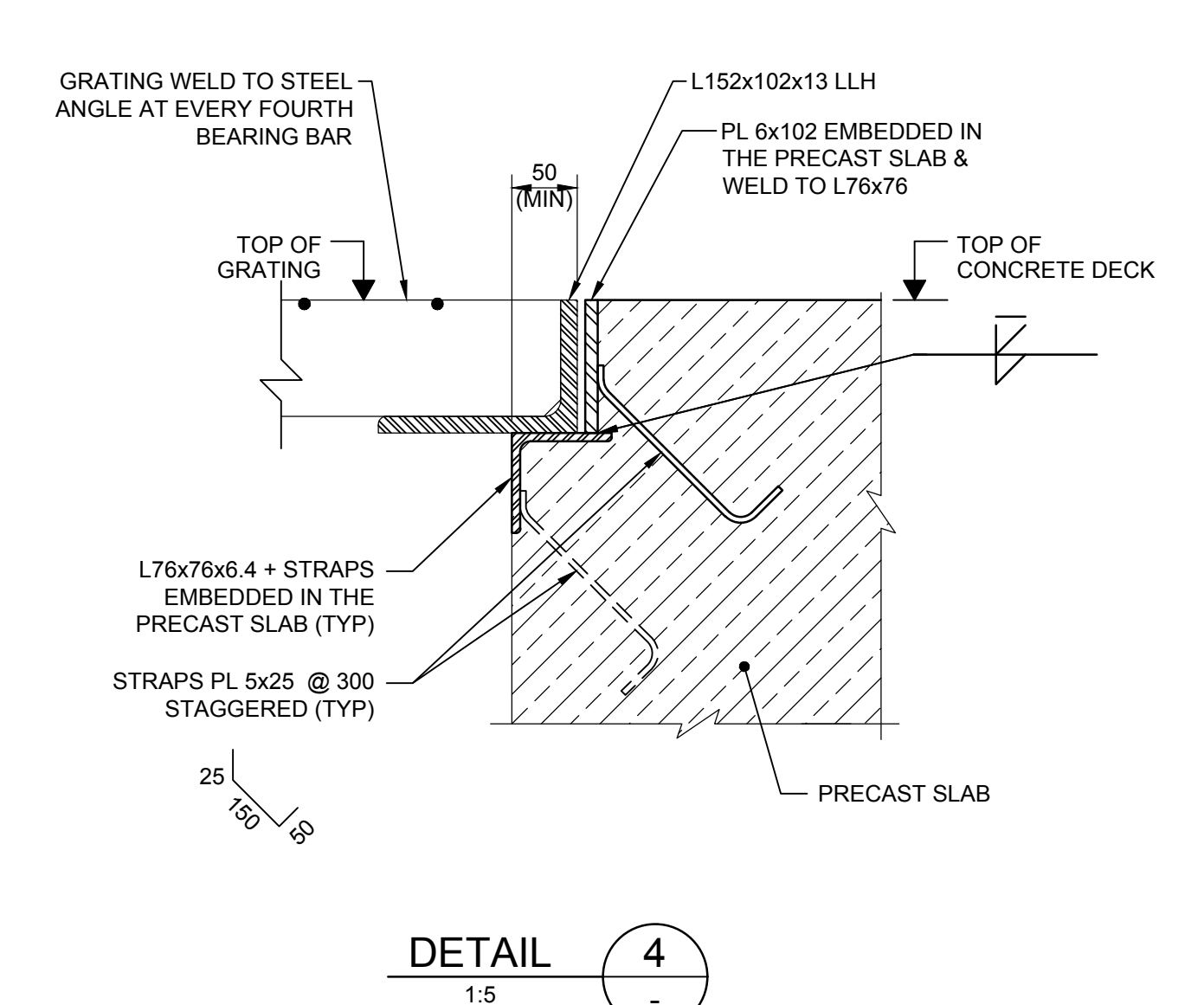
DETAIL 1
1:10



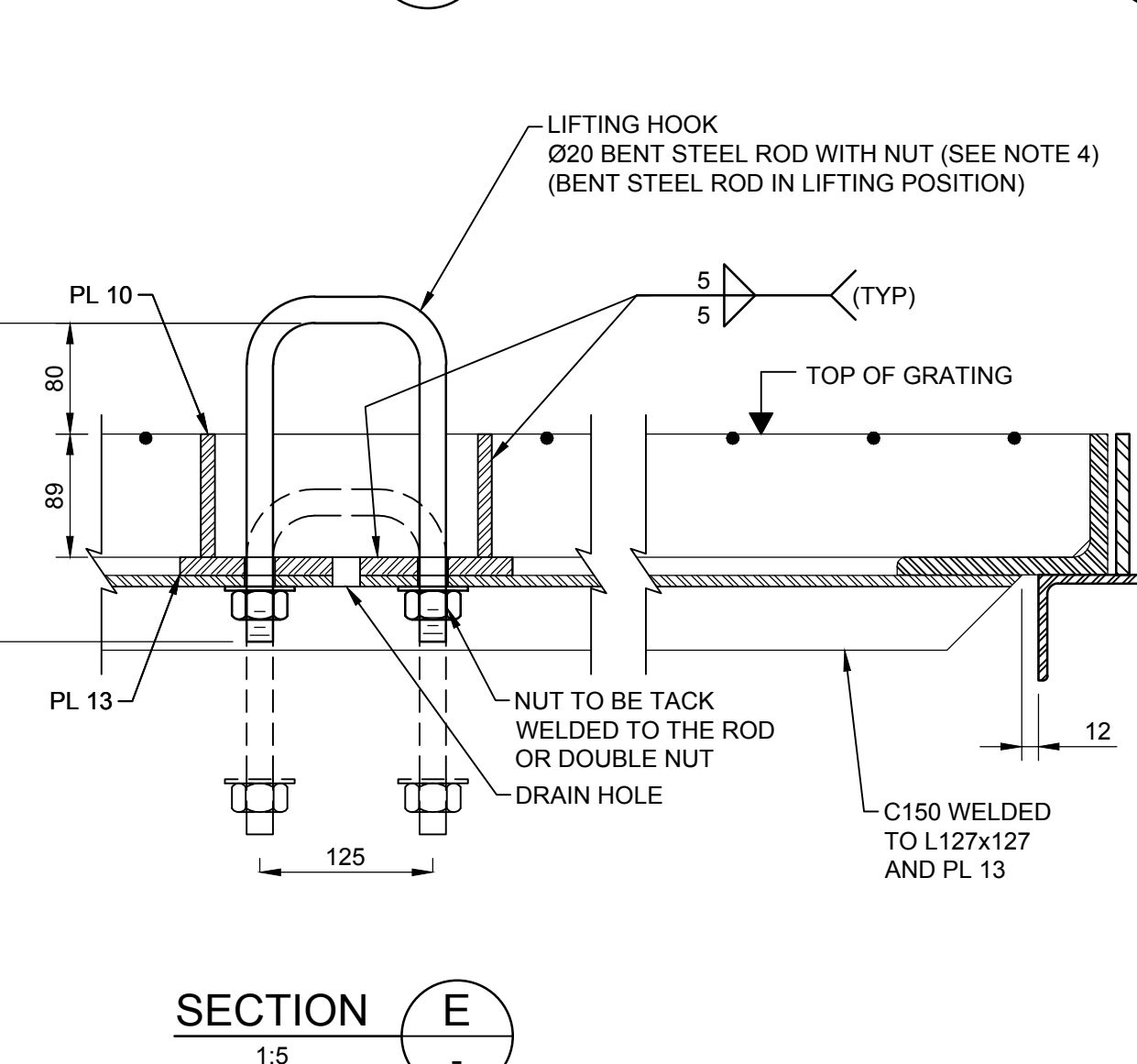
DETAIL 2
1:10



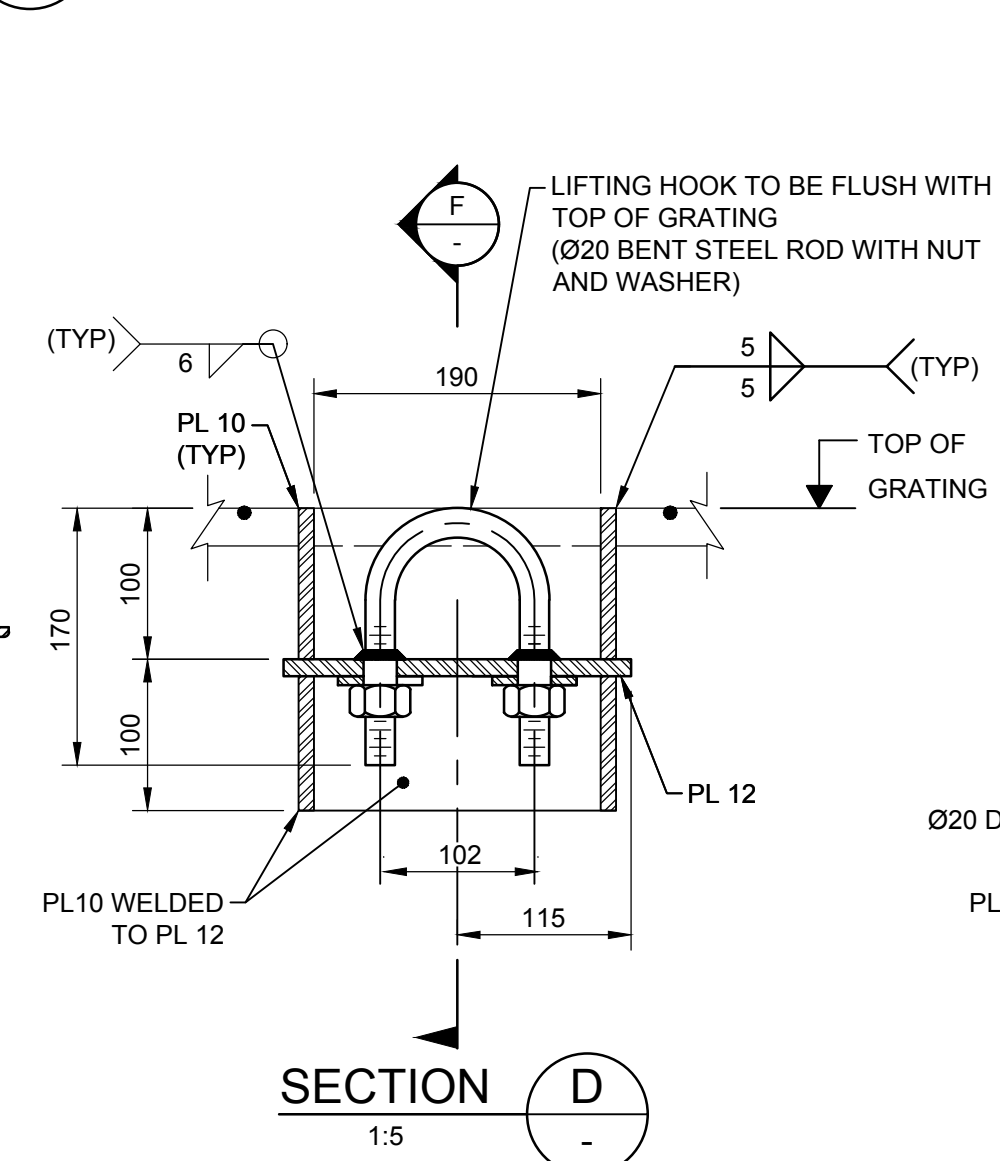
DETAIL 3
1:5



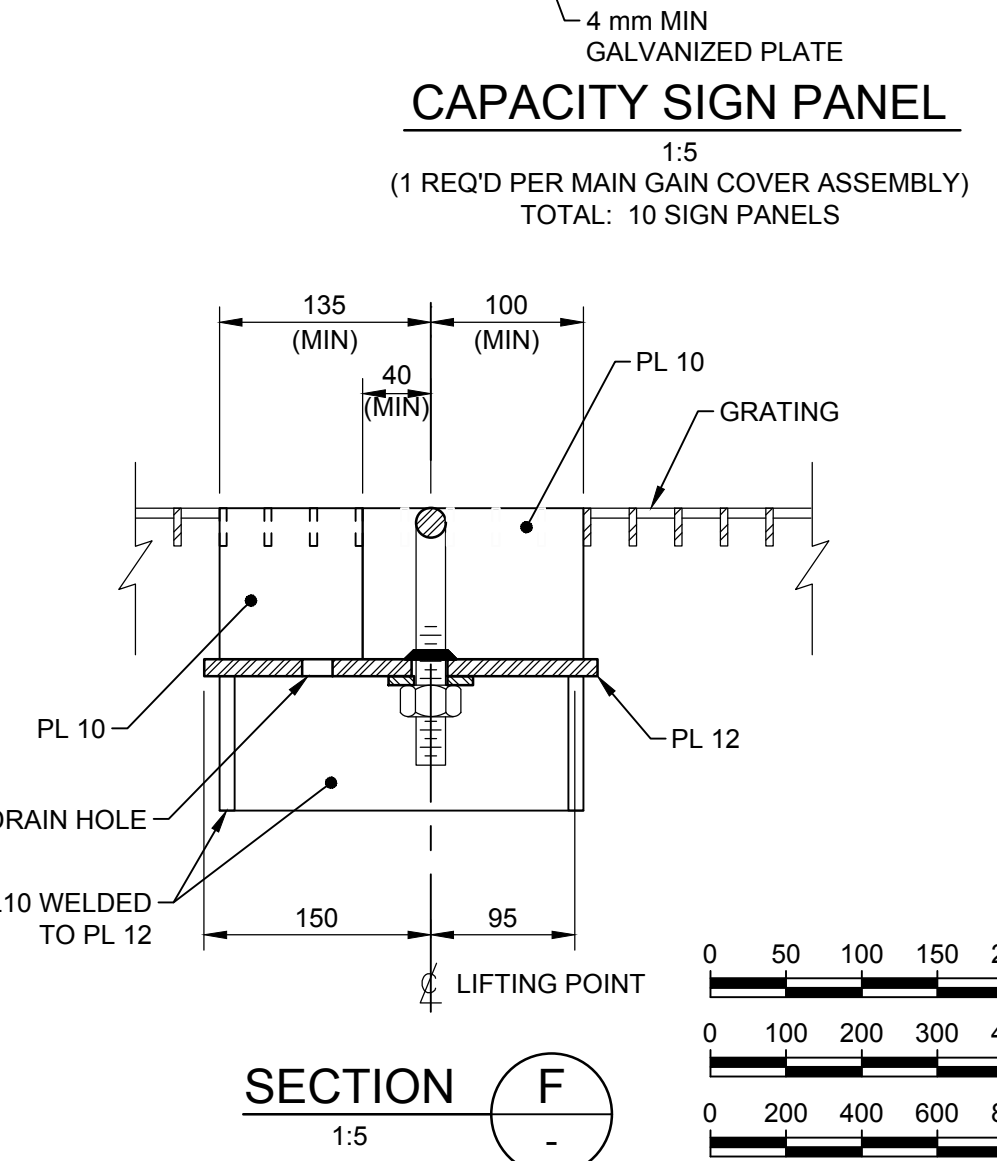
DETAIL 4
1:5



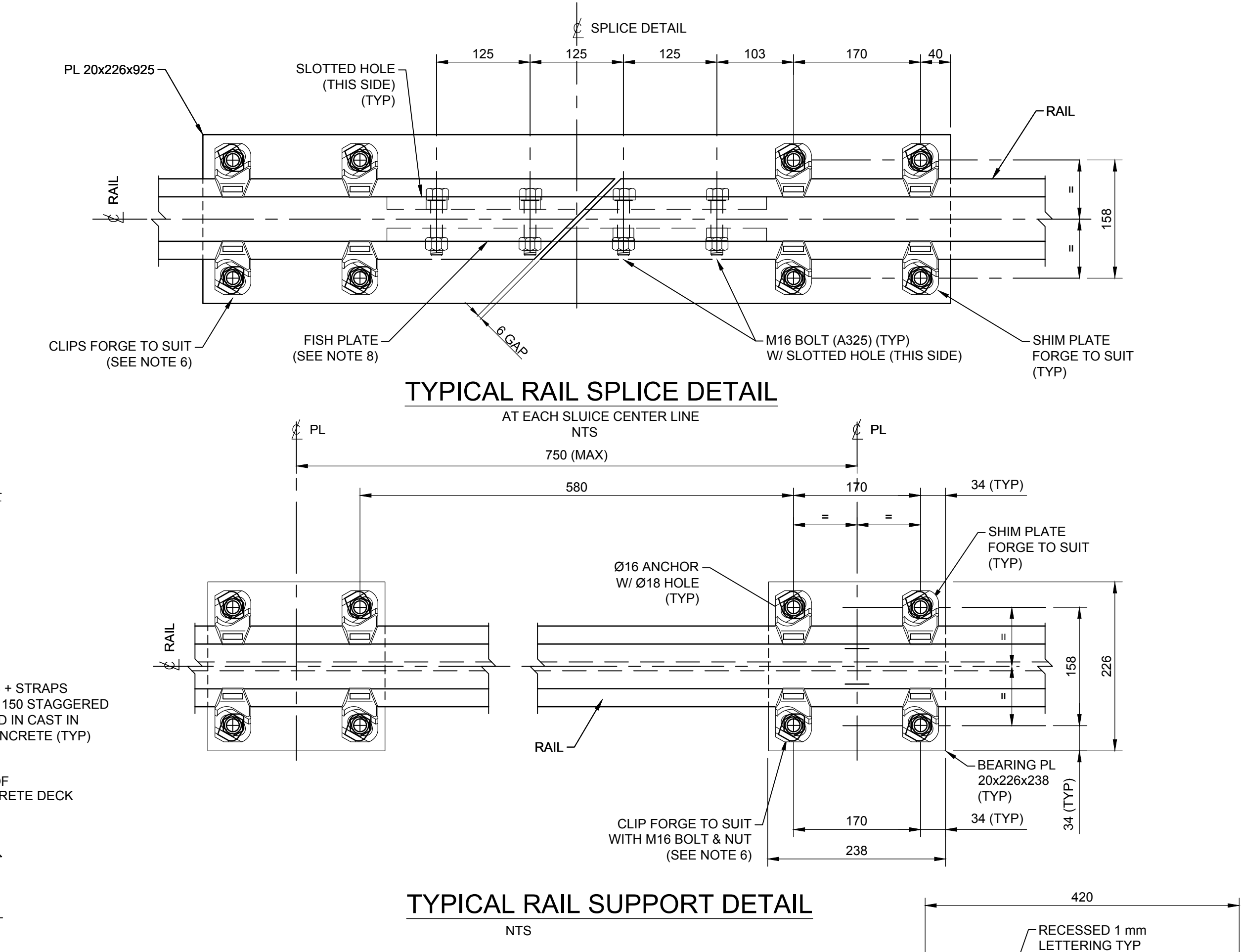
SECTION E
1:5



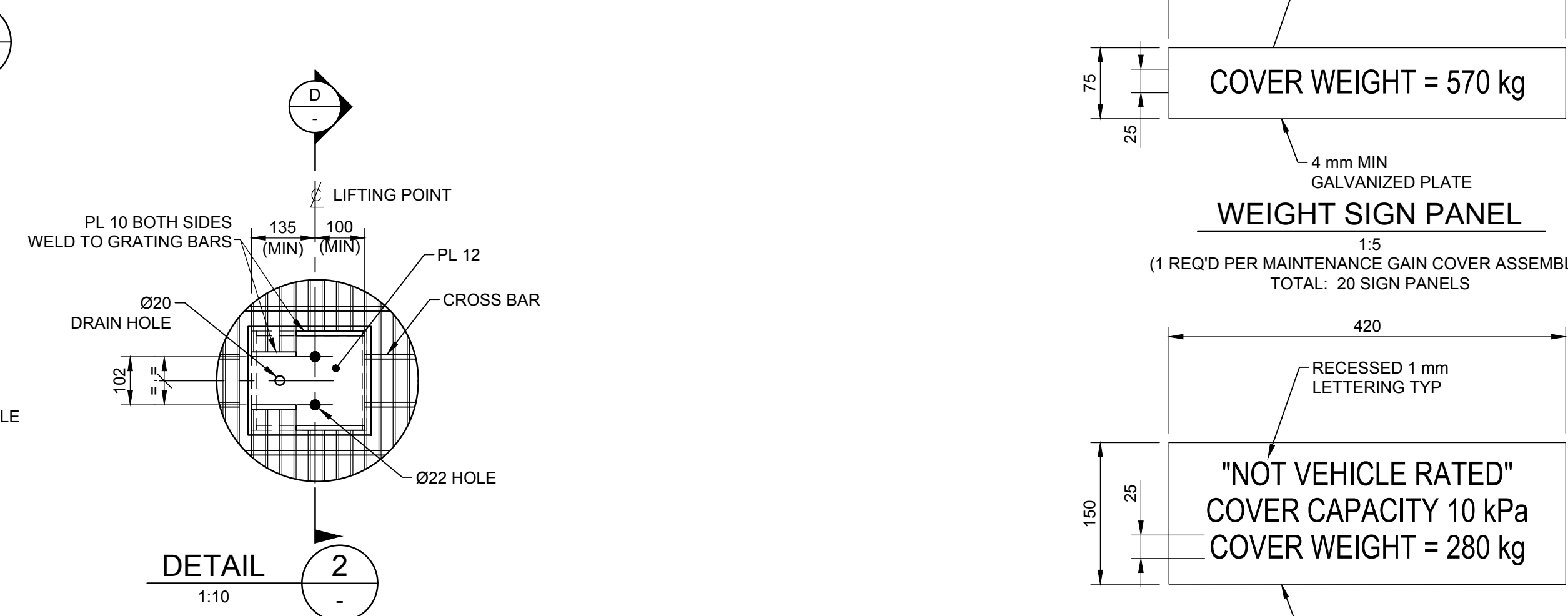
SECTION D
1:5



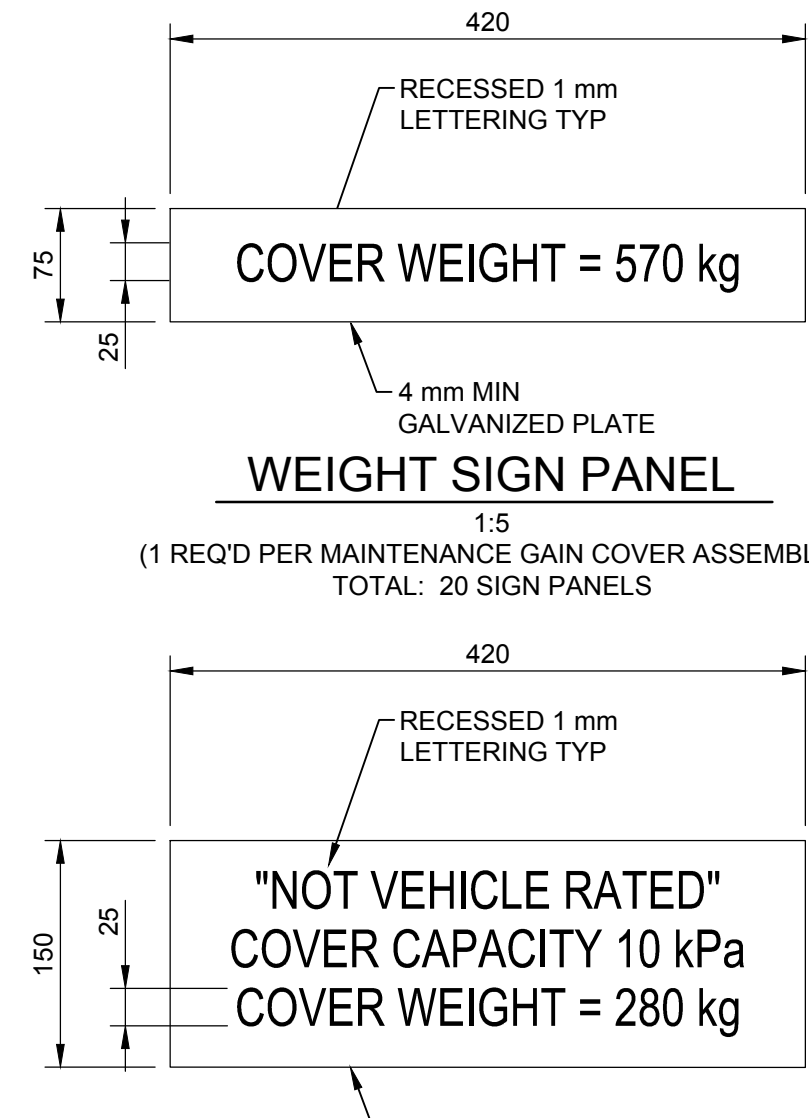
SECTION F
1:5



TYPICAL RAIL SPLICE DETAIL
AT EACH SLUICE CENTER LINE
NTS

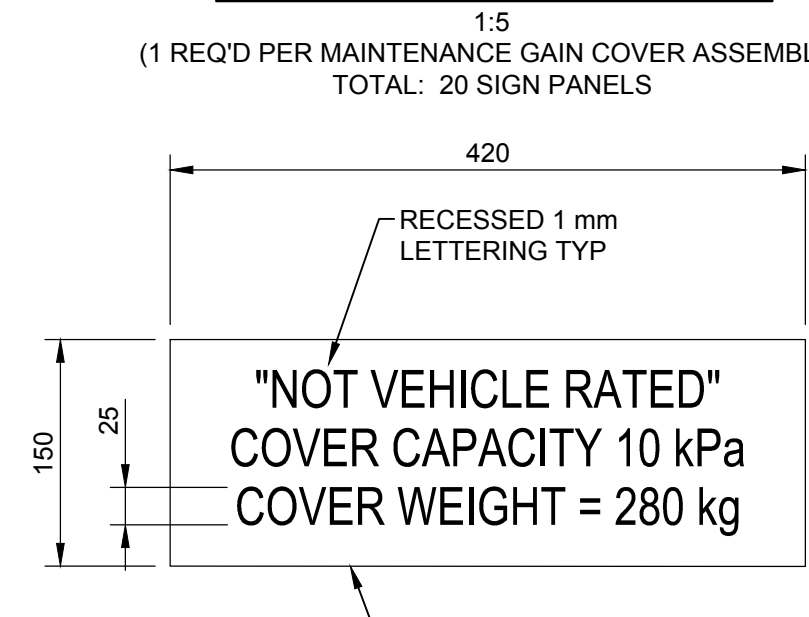


TYPICAL RAIL SUPPORT DETAIL
NTS



COVER WEIGHT = 570 kg

WEIGHT SIGN PANEL
1:5
(1 REQ'D PER MAINTENANCE GAIN COVER ASSEMBLY)
TOTAL: 20 SIGN PANELS



CAPACITY SIGN PANEL
1:5
(1 REQ'D PER MAIN GAIN COVER ASSEMBLY)
TOTAL: 10 SIGN PANELS

LOG LIFTER RAIL TOLERANCES			
ITEM	FIGURE	OVER ALL TOLERANCE	MAXIMUM RATE OF CHANGE
CRANE SPAN (L)		$L \leq 15.24 \text{ m}$ $A = 5 \text{ mm}$	6 mm / 6.10 m
STRAIGHTNESS (B)		$B = 10 \text{ mm}$	6 mm / 6.10 m
ELEVATION (C)		$C = 10 \text{ mm}$	6 mm / 6.10 m
RAIL TO RAIL ELEVATION (D)		$L \leq 15.24 \text{ m}$ $D = \pm 5 \text{ mm}$	6 mm / 6.10 m

Contract No.	Drawing Code	Serial	Rev.
HS00243	210	41DD	0503

- NOTES
- FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS SEE DRAWING 002.
 - FOR STRUCTURAL STEEL SEE SPECIFICATION SECTION 05 50 00.
 - WEIGHT OF EACH MAINTENANCE GAIN COVER PANEL: 570 kg.
 - BENT STEEL ROD SHALL CONFORM TO CSA G40.21 GRADE 400W.
 - ALL GRATING AND STEEL SHALL BE HOT DIP GALVANIZED WITH THE EXCEPTION OF RAILS AFTER ASSEMBLY AND FABRICATION.
 - SUPPLY OF RAIL CLIPS & THEIR ACCESSORIES BY THE CONTRACTOR. ASSEMBLY SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS. THE LOWER PART OF THE RAIL CLIP SHALL BE WELDED AS PER REQUIREMENTS OF THE MANUFACTURER.
 - LIFTING SLINGS USED AT LIFTING POINT SHALL BE BETWEEN 45° AND 90° FROM HORIZONTAL.
 - FISH PLATE REPRESENTED FOR INDICATIVE PURPOSES. INSTALL AS PER MANUFACTURER RECOMMENDATION.
 - ALL ANCHORS TO BE POST-INSTALLED AFTER FINAL PLACEMENT OF DECK SLABS.

DESIGN LOADS

- COVERS ARE DESIGNED FOR THE FOLLOWING LOADS (UNFACTORED):
- MAIN GAIN COVERS:
UNIFORMLY DISTRIBUTED LIVE LOAD OF 10 kPa.
 - MAINTENANCE COVERS:
FULL HIGHWAY LOAD AS PER CSA-S6 (CL-625 TRUCKS)

1	ADDENDUM 1	Y.B	07/31/2020
0	FOR TENDER	Y.B	05/13/2020
No.	Description	By	Date

Revision / Révision

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A	A Detail number Numéro du détail
B	B Location dwg. number Numéro sur dessin

Professional stamps / Sceaux professionnels

Project title / Titre du projet

RECESSED 1 mm
LETTERING TYP

4 mm MIN
GALVANIZED PLATE

"NOT VEHICLE RATED"
COVER CAPACITY 10 kPa
COVER WEIGHT = 280 kg

Project title / Titre du projet

Project title / Titre du projet

Project title / Titre du projet

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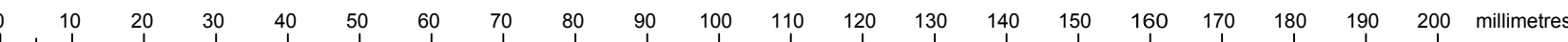
Project title / Titre du projet

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Project title / Titre du projet




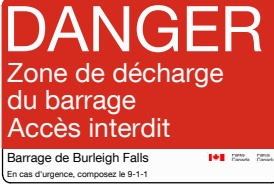



Drawn by / Dessiné par	Designed by / Conçu par	P.Eng.
H. BOIVIN	M. SAIDOU	
Verified by / Vérifié par	Approved by / Approuvé par	
Y. BERTON	S. VITTECOQ	P.Eng.
Drawing Date / Date du dessin	Drawing Number / Numéro du Dessin	
05/13/2020	503	
Project Number / Numéro du projet	Sheet	of
R.076951.705	1	1

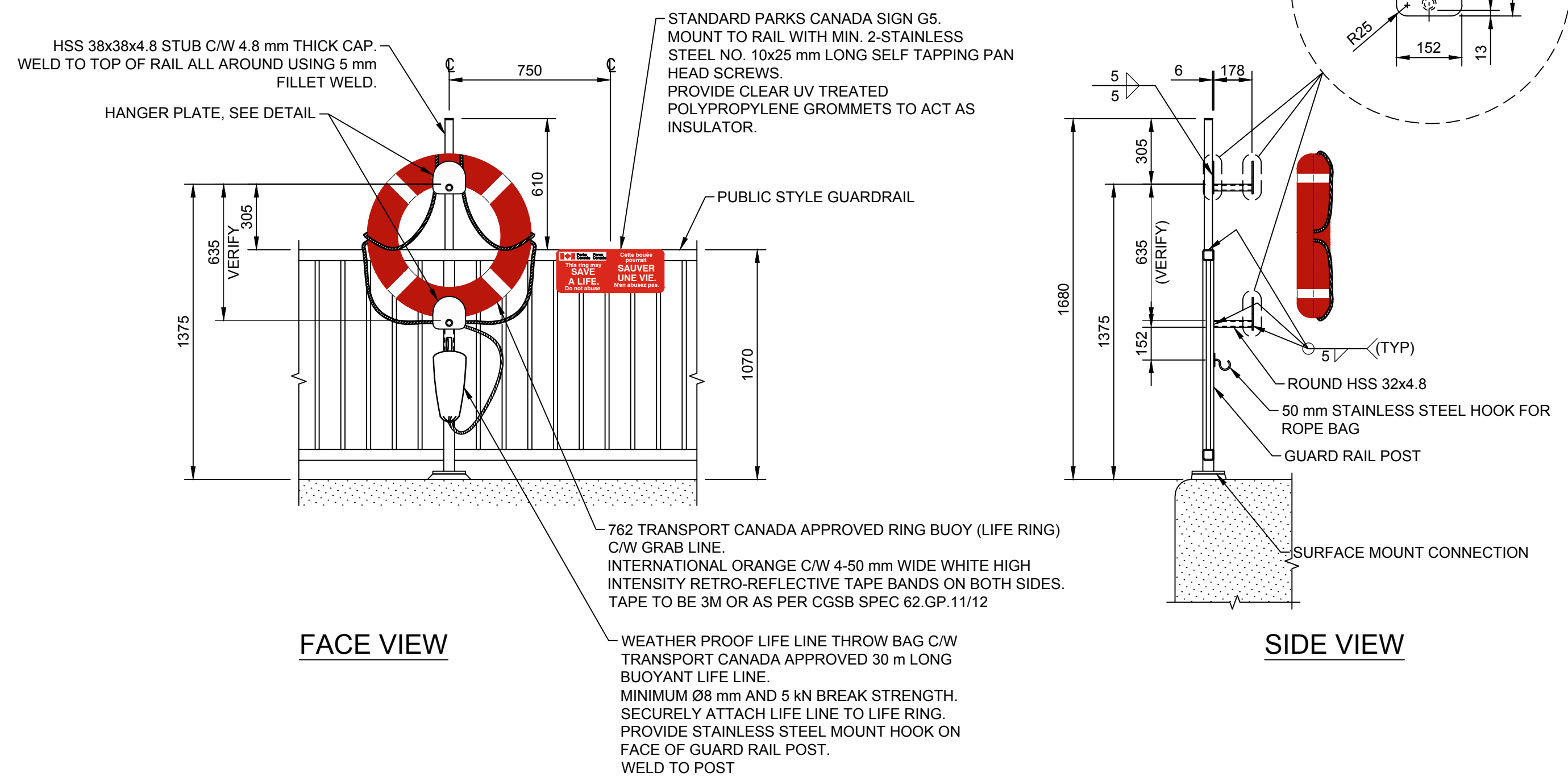


Contract No.	Drawing Code		Serial	Rev.
HS00243	210	41DD	0506	0

NOTES

1. FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS SEE DRAWING 002.
2. SAFETY SIGNAGE LOCATED OFF OF DAM TO BE INSTALLED ON GALVANISED STEEL SUPPORTS ANCHORED TO BEDROCK. SEE SPECIFICATION SECTION 05 50 00.
3. SIGN DESIGN IN ACCORDANCE WITH PCA SAFETY SIGN STANDARD FOR LETTERING AND COLORS.
4. ISOLATING WASHER TO BE PROVIDED BETWEEN ALUMINIUM AND GALVANIZED STEEL.

SIGN SCHEDULE (SIGNS PROVIDED BY PARKS CANADA, CONTRACTOR TO INSTALL)							
SIGN IMAGE	SIGN DESIGNATION	SIZE (mm)	MATERIAL	QUANTITY	LOCATION	MESSAGE	
	A1 E SEE PARKS CANADA SIGN STANDARD DRAWING G1 FOR COLORS, FONT, MATERIALS AND MANUFACTURING SPECIFICATIONS. TEXT ACCORDING TO THIS TABLE.	1220 x 1830	ALUMINUM COMPOSITE	2	AT END OF SAFETY BOOM, UPSTREAM OF DAM, BOTH ENDS REFER TO DRAWING 500	DANGER Dam Ahead Keep Out Burleigh Falls Dam In An Emergency, Call 9-1-1	
	A1 F SEE PARKS CANADA SIGN STANDARD DRAWING G1 FOR COLORS, FONT, MATERIALS AND MANUFACTURING SPECIFICATIONS. TEXT ACCORDING TO THIS TABLE.	1220 x 1830	ALUMINUM COMPOSITE	2	AT END OF SAFETY BOOM, UPSTREAM OF DAM, BOTH ENDS REFER TO DRAWING 500	DANGER Barrage devant Accès interdit Barrage de Burleigh Falls En cas d'urgence, composez le 9-1-1	
	A8 E SEE PARKS CANADA SIGN STANDARD DRAWING G1 FOR COLORS, FONT, MATERIALS AND MANUFACTURING SPECIFICATIONS. TEXT ACCORDING TO THIS TABLE.	1220 x 1830	ALUMINUM COMPOSITE	1	DOWNSTREAM OF DECK AT PIER 11 REFER TO DRAWING 500	DANGER Dam Outflow Keep Out Burleigh Falls Dam In An Emergency, Call 9-1-1	
	A8 F SEE PARKS CANADA SIGN STANDARD DRAWING G1 FOR COLORS, FONT, MATERIALS AND MANUFACTURING SPECIFICATIONS. TEXT ACCORDING TO THIS TABLE.	1220 x 1830	ALUMINUM COMPOSITE	1	DOWNSTREAM OF DECK AT PIER 10 REFER TO DRAWING 500	DANGER Zone de décharge du barrage Accès interdit Barrage de Burleigh Falls En cas d'urgence, composez le 9-1-1	
	G4 SEE PARKS CANADA SIGN STANDARD DRAWING G4 FOR COLORS, FONT, MATERIALS AND MANUFACTURING SPECIFICATIONS. TEXT ACCORDING TO THIS TABLE.	660 x 610	ALUMINUM COMPOSITE	2	AT BOTH ENDS OF DECK REFER TO DRAWING 500	Burleigh Falls Dam HWY 28, Trent Lakes, On	
	G5 SEE PARKS CANADA SIGN STANDARD DRAWING G5 FOR COLORS, FONT, MATERIALS AND MANUFACTURING SPECIFICATIONS. TEXT ACCORDING TO THIS TABLE.	200 x 500	ALUMINUM COMPOSITE	4	ON UPSTREAM GUARDRAIL 2 ON NORTH AND SOUTH DAM 2 ON PIER 4 AND 8 REFER TO DRAWING 500		This ring may SAVE A LIFE. Do not abuse Cette bouée pourrait SAUVER UNE VIE. N'en abusez pas.

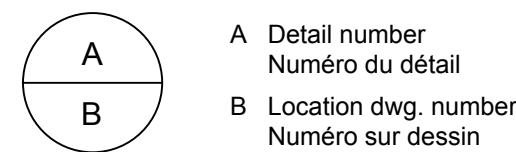


STANDARD 762 LIFE RING, SIGN AND LINE THROW BAG MOUNTING TYPICAL DETAILS

1:20

1	ADDENDUM 1	Y.B	07/31/2020
0	FOR TENDER	Y.B	05/13/2020
No.	Description	By Per	Date

Revision / Révision
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Professional stamps / Sceaux professionnels

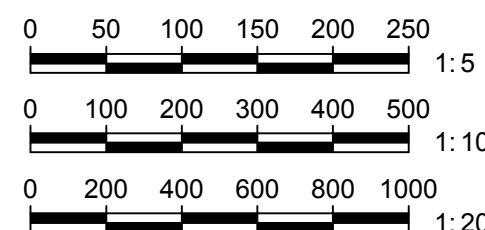
Project title / Titre du projet

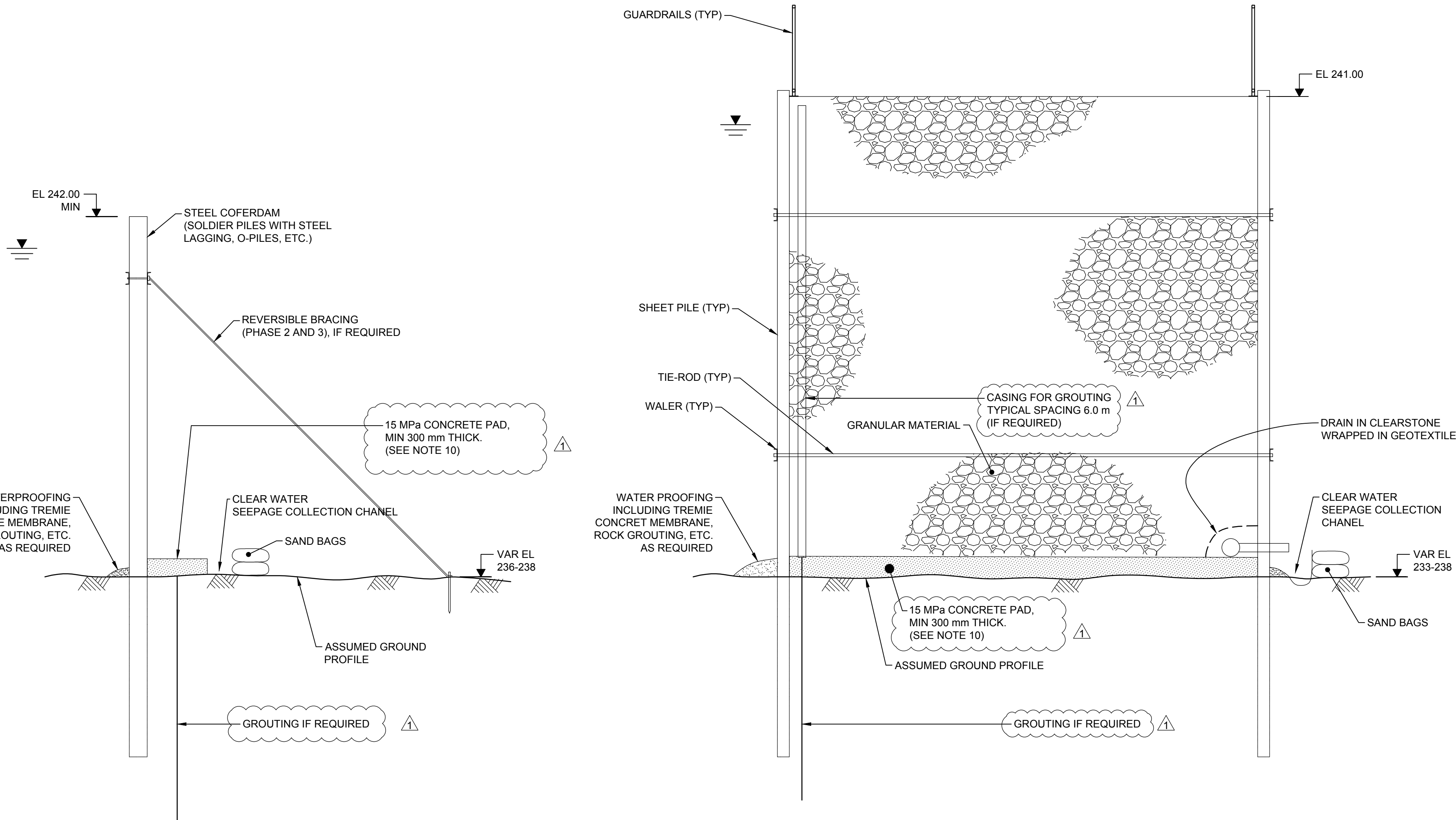
TRENT-SEVERN WATERWAY
DAM AT LOCK 28
- BURLEIGH FALLS -
RECONSTRUCTION

Drawing title / Titre du dessin

MISCELLANEOUS METALS
PARTS
PUBLIC SAFETY
MAESURES

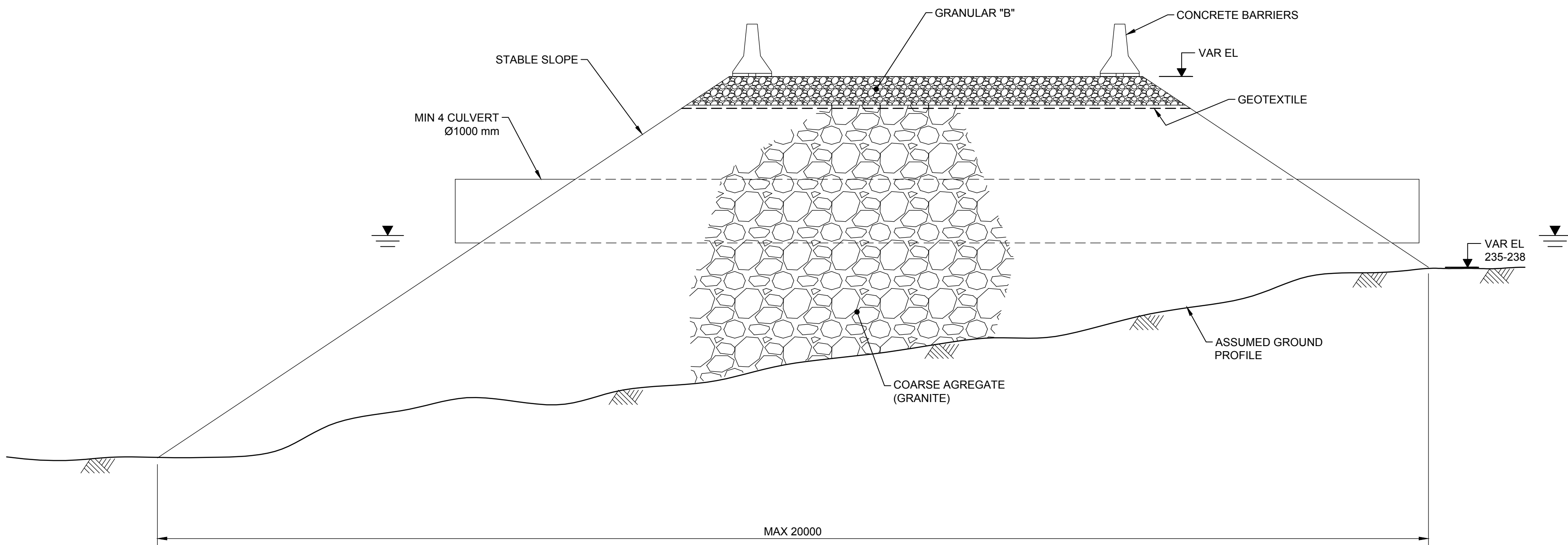
Drawn by / Dessiné par		Designed by / Conçu par	
H. BOIVIN		M. SAIDOU P. Eng.	
Verified by / Vérifié par		Approved by / Approuvé par	
Y. BERTON P. Eng.		S. VITTECOQ P. Eng.	
Drawing Date / Date du dessin		Drawing Number / Numéro du Dessin	
05/13/2020		506	
Project Number / Numéro du projet		Sheet	
R.076951.705		Feuille	
		1 of 1	
		1 of 1	



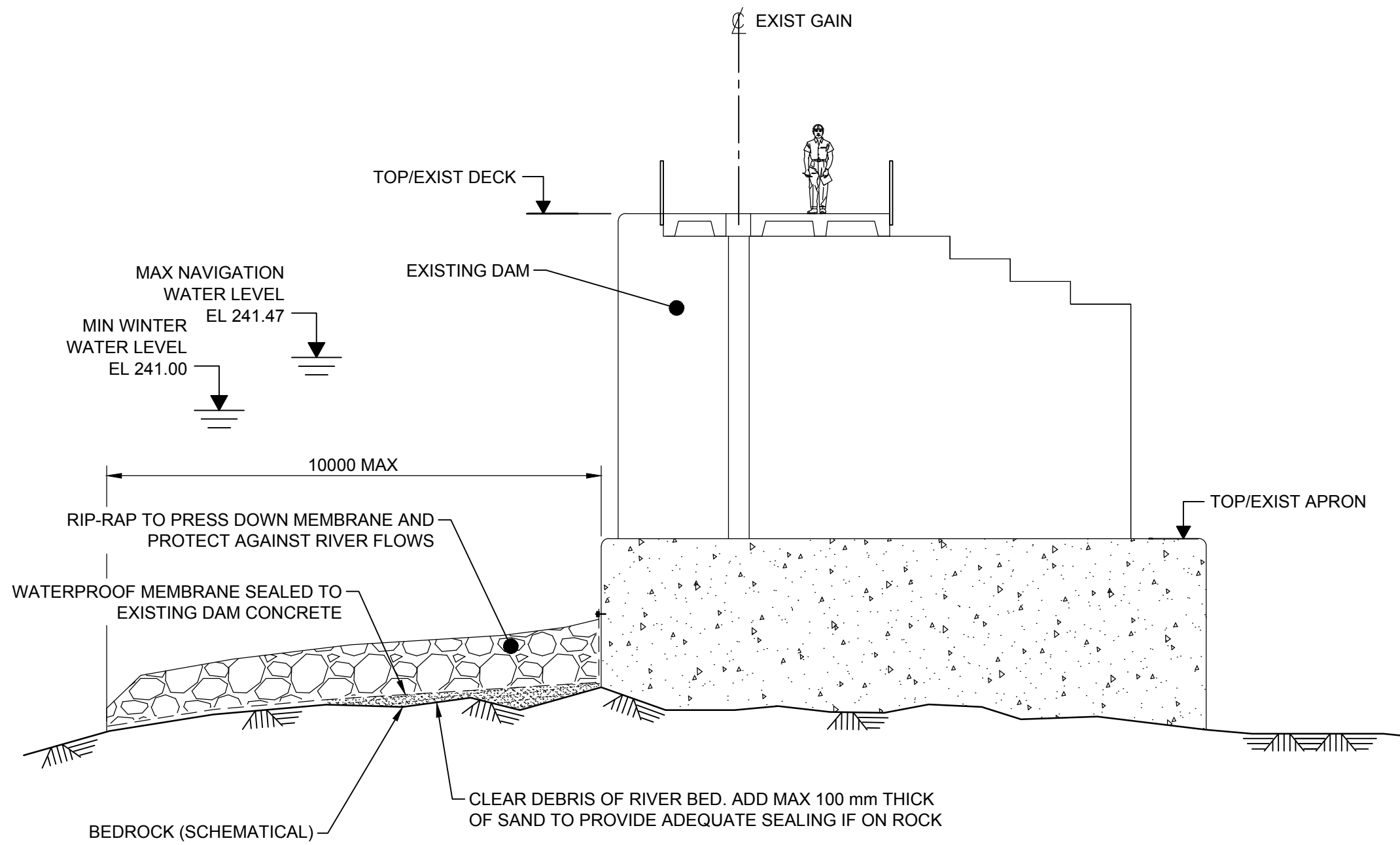


STEEL COFFERDAM
(PARALLEL TO FLOW)
(CONCEPTUAL)
1:50

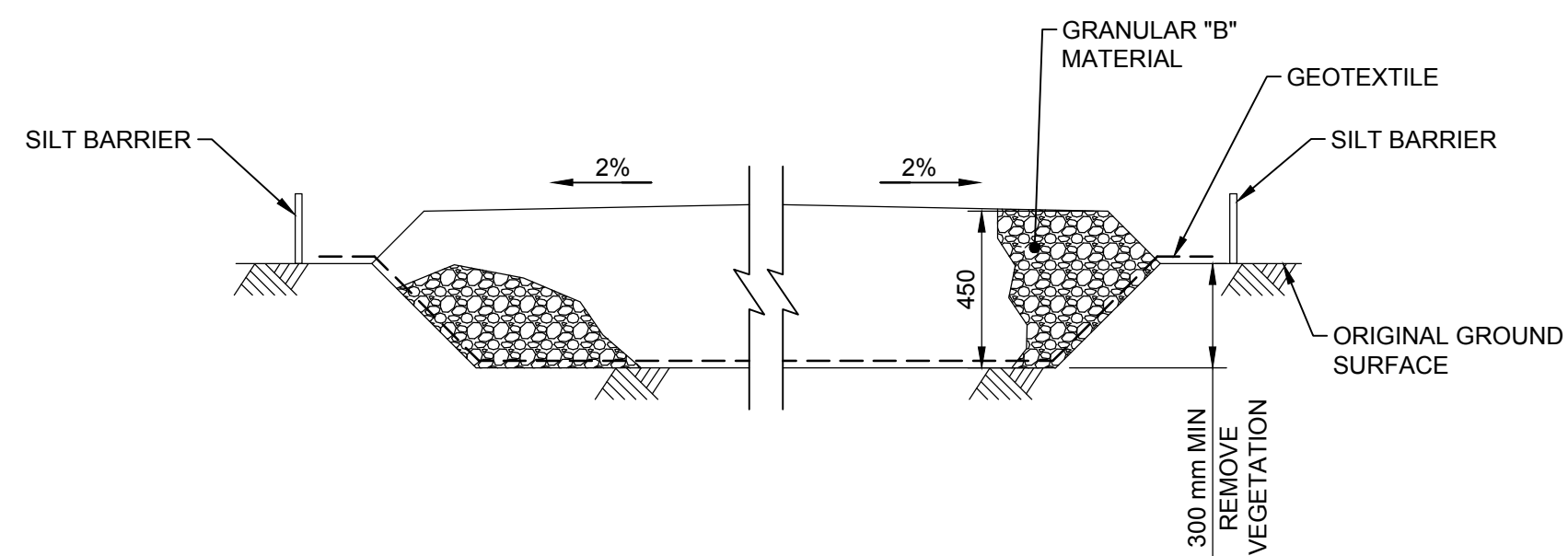
CAISSON COFFERDAM
(PERPENDICULAR TO FLOW)
(CONCEPTUAL)
1:50



CONCEPTUAL IN-WATER
TEMPORARY ACCES ROAD
1:50



UPSTREAM SEALING MEMBRANE
(CONCEPTUAL)
1:100



TEMPORARY STAGING / LAYDOWN AREA
AND ACCES ROADS CROSS SECTION
1:20

Contract No.	Drawing Code	Serial	Rev.
HS00243	210	41DD	0207 0

NOTES

- RECHARGE TEMPORARY LAYDOWN/STAGING AREAS AND TEMPORARY ACCESSES AS NEEDED TO AVOID RUTS AND POOLING.
- CLEAR VEGETATION, GRUB AND EXCAVATE A MINIMUM OF 300 mm OF SOIL PRIOR TO INSTALLING LAYDOWN/STAGING AREAS OR TEMPORARY ACCESSES.
- IF BACKFILLING IS REQUIRED FOR STAGING/LAYDOWN AREAS OR TEMPORARY ACCESSES, CLEAR VEGETATION, GRUB AND EXCAVATE A MINIMUM OF 300 mm OF SOIL PRIOR TO BACKFILLING WITH MATERIAL EXEMPT OF ORGANIC MATERIAL AND CONTAMINANTS. TEMPORARY BACKFILLING CAN BE CONDUCTED WITH RE-USED MATERIAL FORM SITE IF ADEQUATE.
- ENSURE EFFICIENT DRAINAGE AND EROSION CONTROL.
- FINAL DESIGN OF TEMPORARY WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AS DESCRIBED IN THE SPECIFICATIONS. TEMPORARY WORKS DRAWING PROVIDED FOR CONCEPTUAL PURPOSES ONLY.
- MATERIALS PLACED IN-WATER SHOULD BE EXEMPT OF FINES AND ORGANIC MATERIALS AND CONTAMINANTS.
- MATERIAL FROM ALL TEMPORARY WORK SHALL BE REMOVED AND DISPOSED OFF-SITE.
- ENSURE COMPLETE RESTORATION TO A STATE AT LEAST EQUAL TO THE EXISTING STATE OF ALL DISTURBED AREAS.
- GROUTING MAY BE REQUIRED TO ENSURE ADEQUATE SEALING OF COFFERDAM. EXPECT BOULDERS, FRACTURED ROCK, LOW OR NONEXISTENT SEDIMENT DEPTH.
- CLEAR ROCK FOUNDATION PRIOR TO INSTALLING CONCRETE PAD AND SEALING MEASURES.

No.	Description	By	Date
1	ADDENDUM 1	Y.B	07/31/2020
0	FOR TENDER	Y.B	05/13/2020

Revision / Révision
Do not scale drawings. Verify all dimensions and conditions on site and immediately notify the Departmental Representative of all discrepancies.
Ne pas mesurer à l'échelle sur les dessins. Vérifier toutes les dimensions et les conditions au chantier et aviser immédiatement le représentant ministériel de toute discordance.

A	A Detail number Numéro du détail
B	B Location dwg. number Numéro sur dessin

Professional stamps / Sceaux professionnels

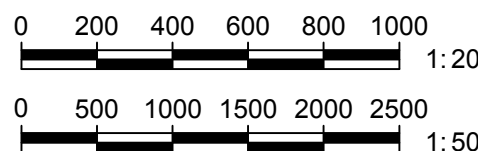
Project title / Titre du projet

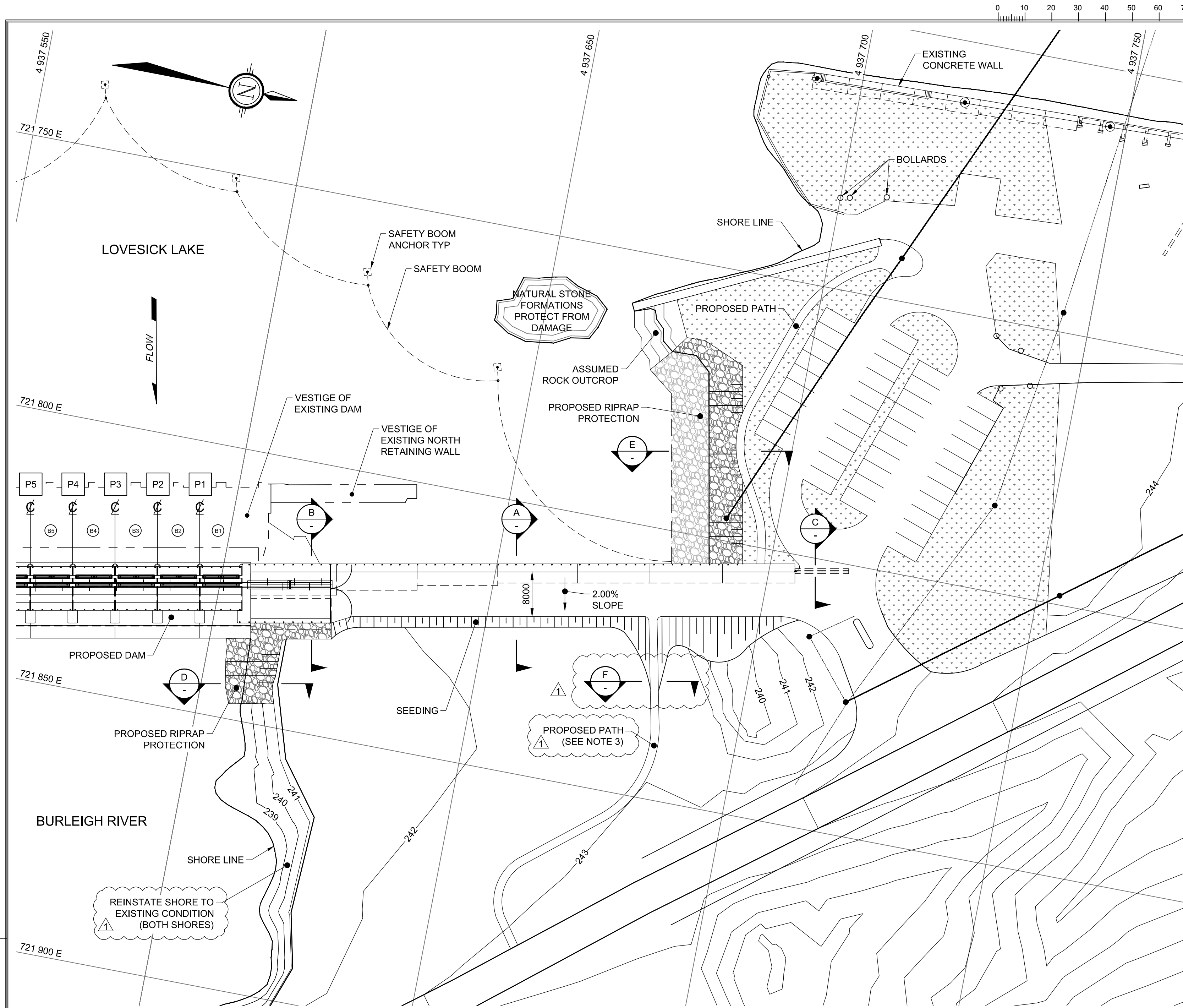
TRENT-SEVERN WATERWAY
DAM AT LOCK 28
- BURLEIGH FALLS -
RECONSTRUCTION

Drawing title / Titre du dessin

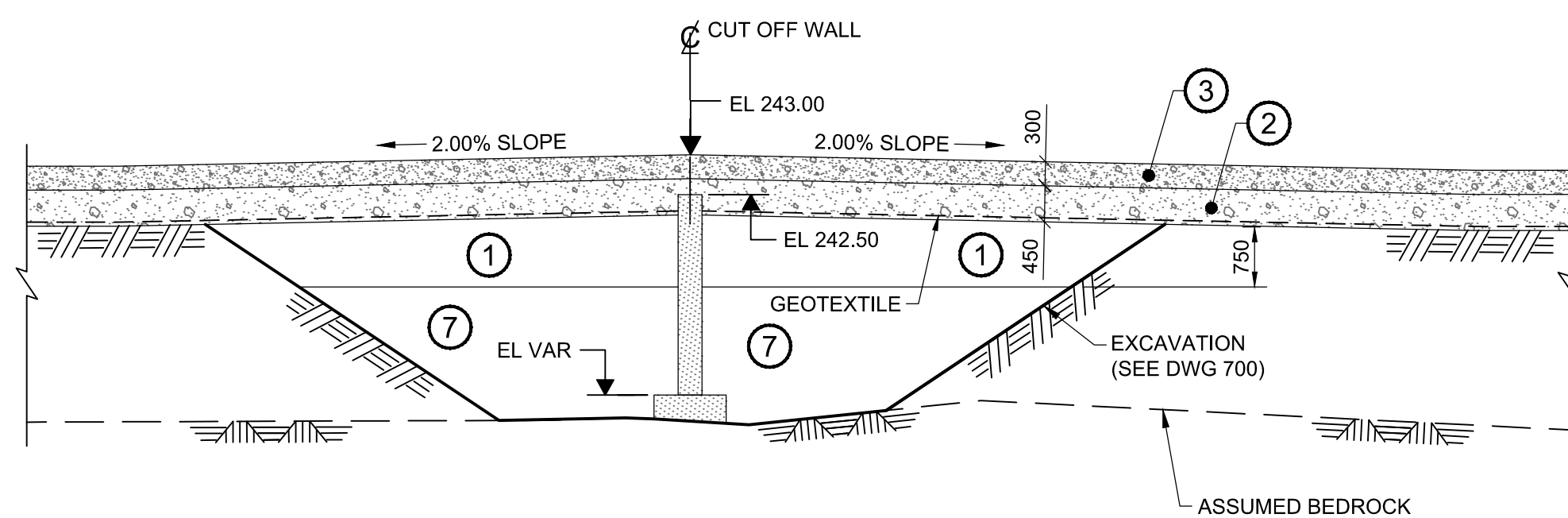
CIVIL
TEMPORARY ACCESSES
AND LAYDOWN AREAS
SECTIONS

Drawn by / Dessiné par I. ZIECIK	Designed by / Conçu par Y. BERTON P.Eng.
Verified by / Vérifié par R. MIGUEL P.Eng.	Approved by / Approuvé par S. VITTECOQ P.Eng.
Drawing Date / Date du dessin 05/13/2020	Drawing Number/ Numéro du Dessin 702
Project Number / Numéro du projet R.076951.705	Sheet Feuille 1 of 1

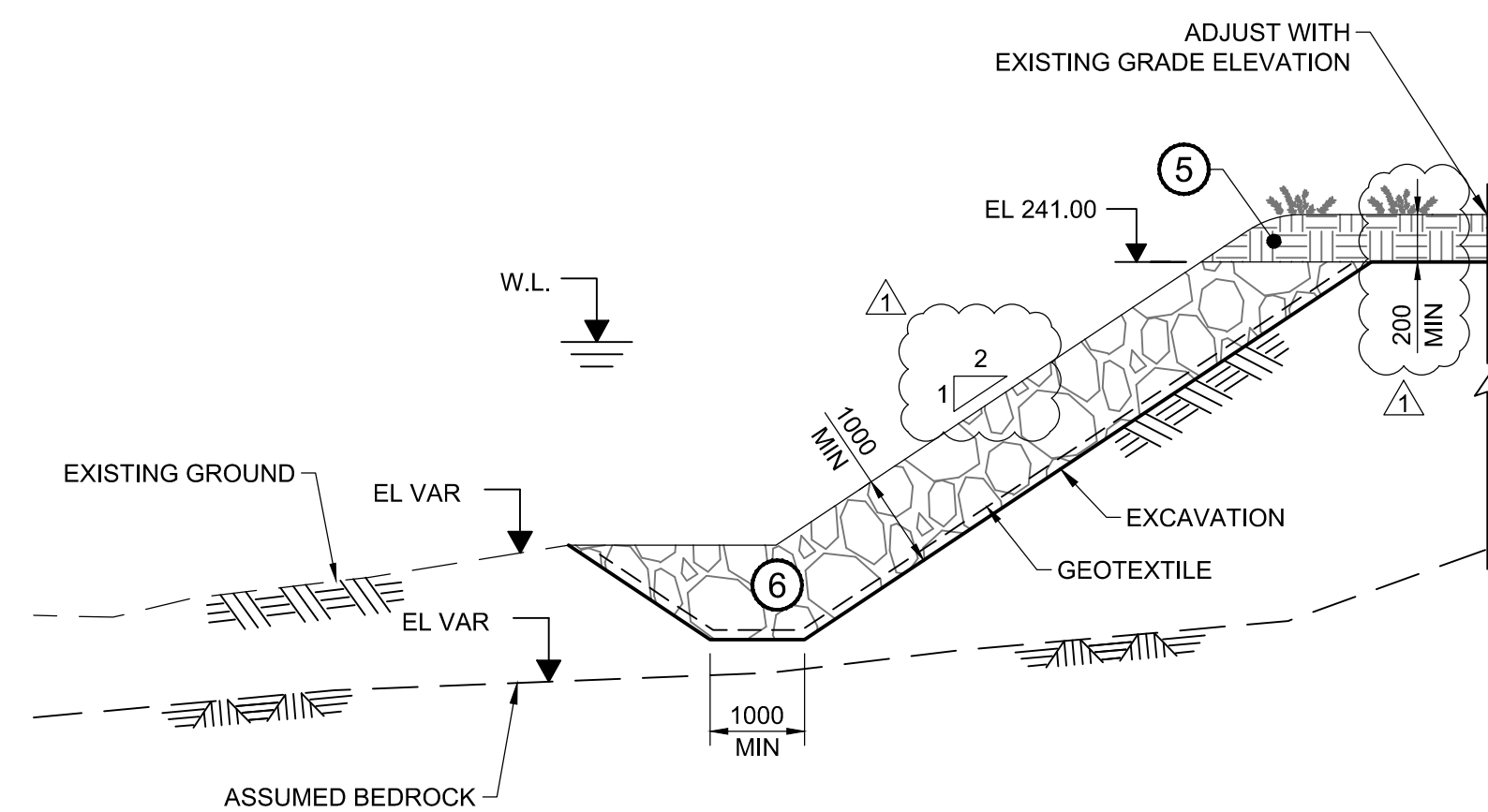




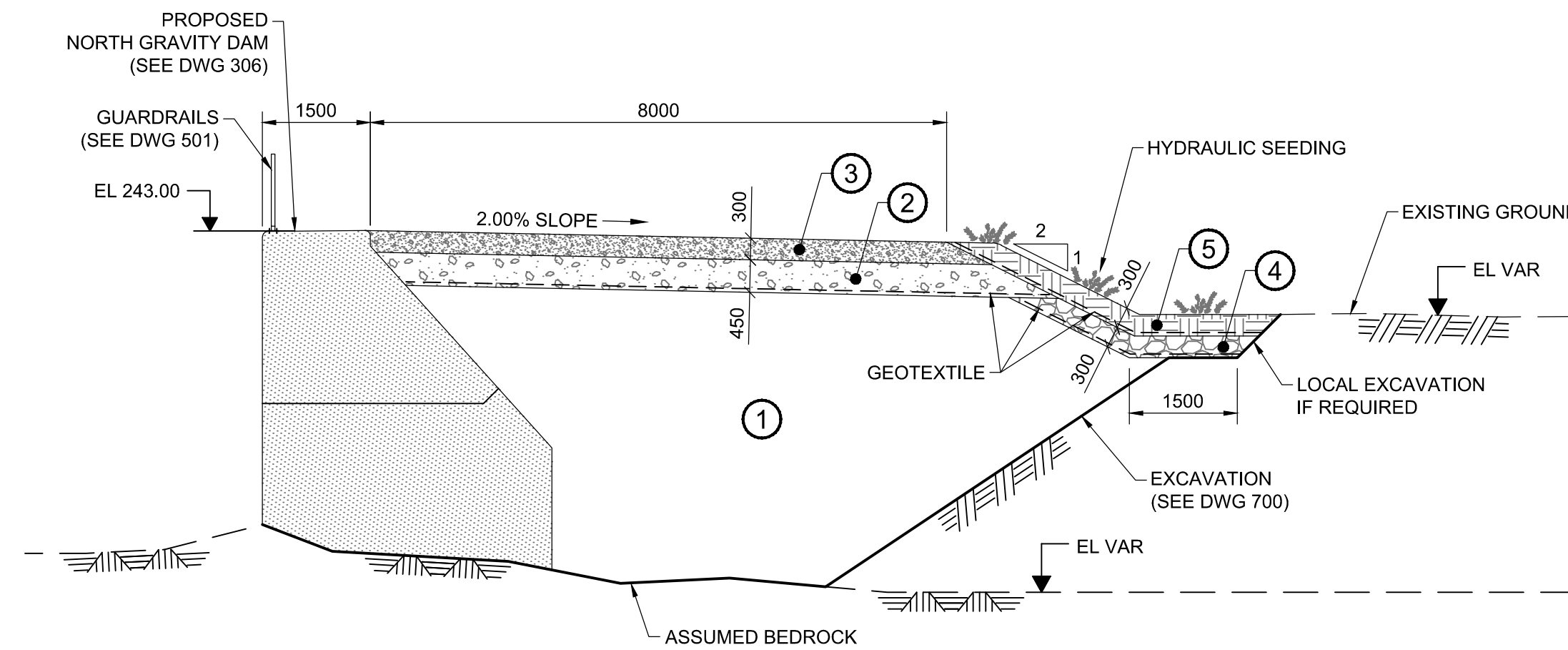
BACKFILLING PLAN VIEW
1:500



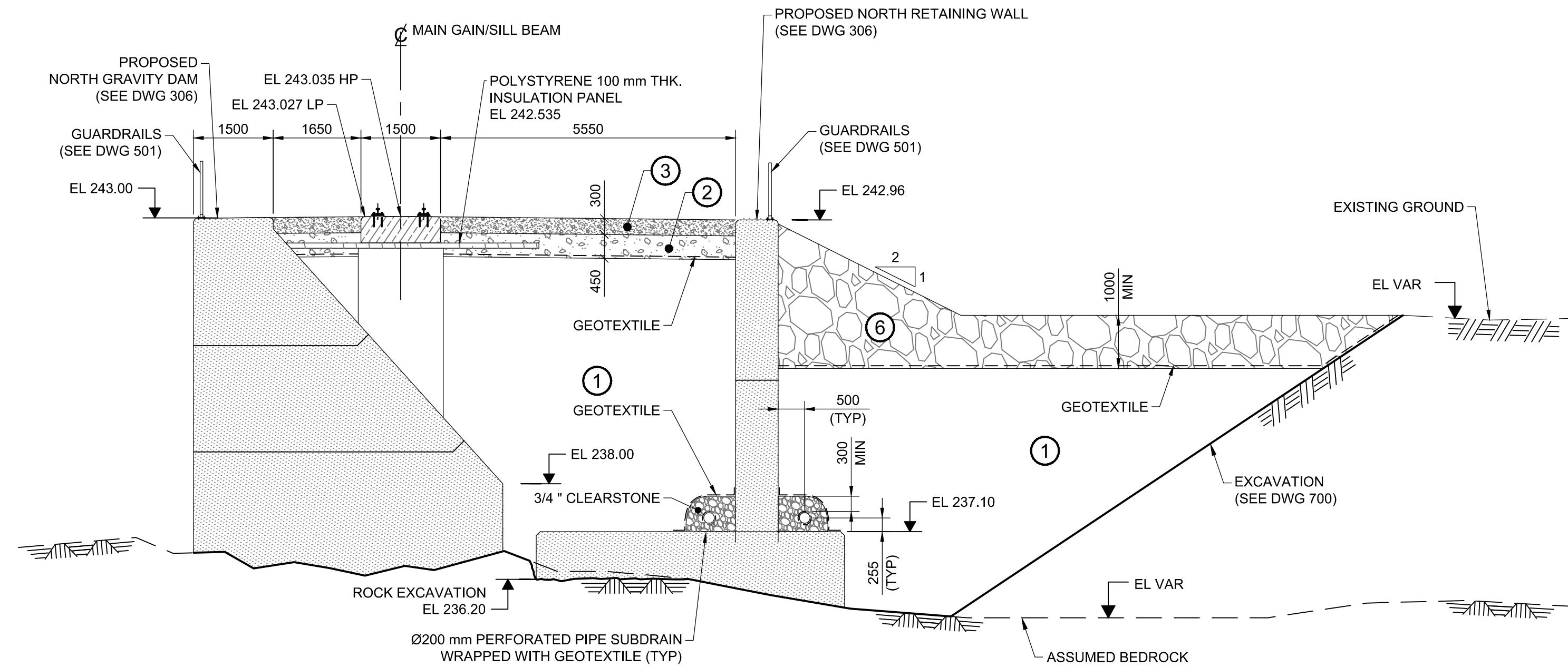
SECTION C
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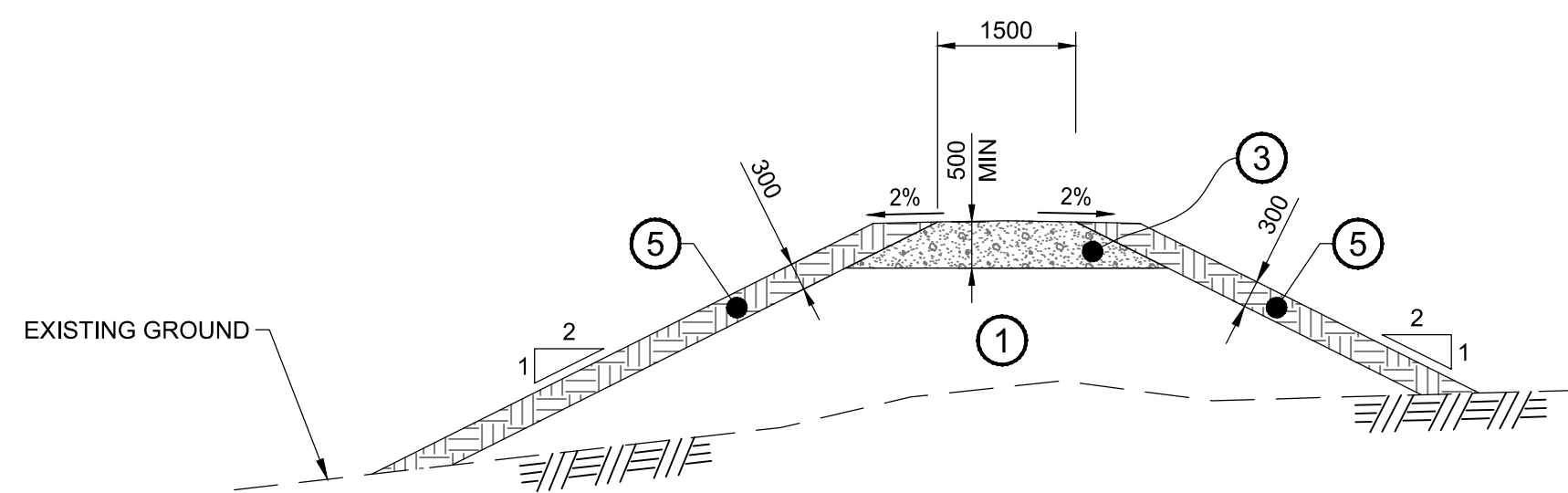
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NTS



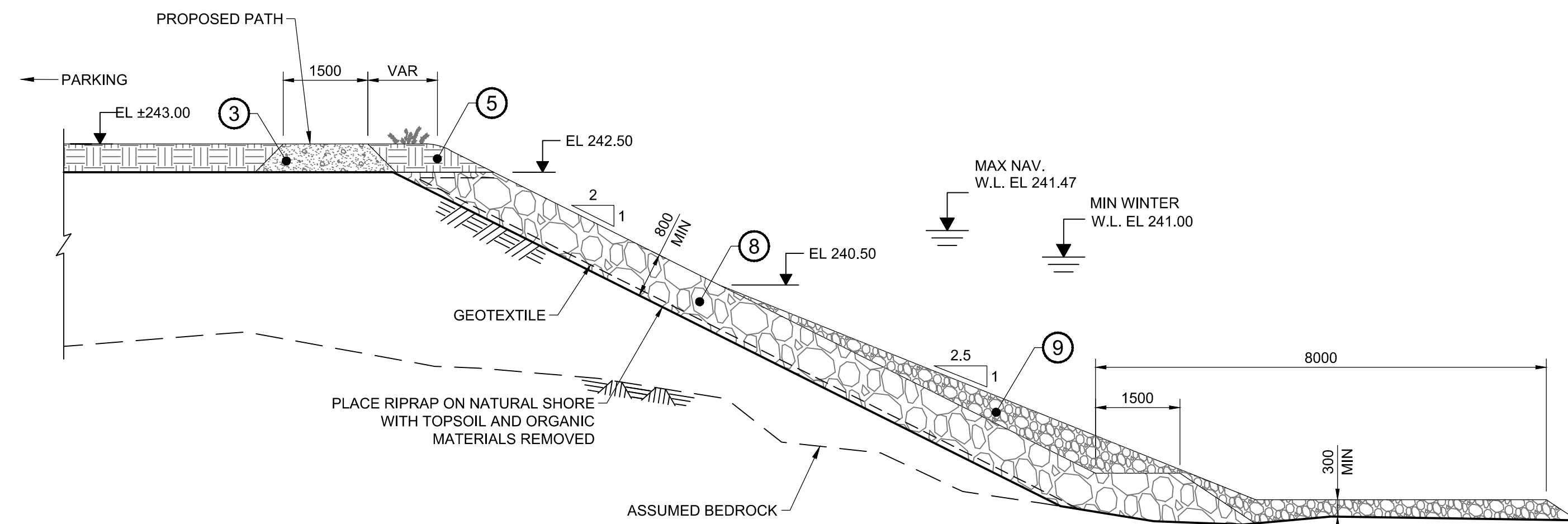
SECTION A
1:75



SECTION B
1:75



SECTION F
1:75



SECTION E
1:75

- MATERIALS**
- 1 UNGRADED, NON FROST SUCEPTIBLE BACKFILL Ø300 mm MAX., EXCLUDING ORGANIC MATERIAL, COMPACTED 92% OF SMPMD IN 300 mm LAYERS
 - 2 GRANULAR B TYPE 2 (OPSS-PROV 1010), COMPACTED 95% OF SMPMD
 - 3 GRANULAR A (OPSS-PROV 1010), COMPACTED 95% OF SMPMD
 - 4 RIPRAP, Ø50-200 mm, PLACED
 - 5 TOPSOIL, COMPACTED
 - 6 RIPRAP Ø300-500 mm (ANGULAR GRANIT STONES), PLACED
 - 7 IMPERVIOUS MATERIAL, COMPACTED
 - 8 RIPRAP Ø100-300 mm (GRANIT STONES WITH NO SHARP EDGES), PLACED
 - 9 GRANITE, COBLESTONES AND GRAVEL 25-200 mm, $D_{50} = 75 \text{ mm}$

Contract No.	Drawing Code	Serial	Rev.
HS00243	210	41DD	0704 0

- NOTES
- FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS SEE DRAWING 002.
 - BACKFILL BOTH SIDES OF CUTOFF WALL SIMULTANEOUSLY, MAINTAINING A MAXIMUM HEIGHT DIFFERENTIAL OF 300 mm.
 - MAX PATH SLOPE IS 1:12. GRADE PATH JUNCTION WITH DAM CREST AND ACCESS ROAD TO AVOID PREFERENTIAL WATER PATH AND FORMATION OF RUTS. GRADE PATH EMBANKMENT TO ALLOW SIDE DRAINAGE.

No.	Description	By	Date
1	ADDENDUM 1	J.F.	07/31/2020
0	FOR TENDER	J.F.	05/13/2020

Revision / Révision	
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A	A Detail number Numéro du détail
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Project title / Titre du projet

TRENT-SEVERN WATERWAY
DAM AT LOCK 28
- BURLEIGH FALLS -
RECONSTRUCTION

Drawing title / Titre du dessin

CIVIL
BACKFILLING
PLAN AND SECTIONS

Drawn by / Dessiné par A. GUÉRIN-H.	Designed by / Conçu par Y. BERTON P.Eng.
Verified by / Vérifié par J. FRANCOEUR P.Eng.	Approved by / Approuvé par S. VITTECOQ P.Eng.
Drawing Date / Date du dessin 05/13/2020	Drawing Number / Numéro du Dessin 704
Project Number / Numéro du projet R.076951.705	Sheet Feuille 1 of 1