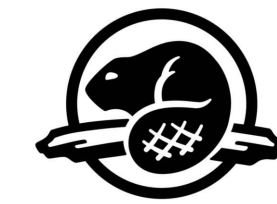




Parks
Canada

Parcs
Canada



Canada

HORSESHOE LAKE DAM PUBLIC SAFETY IMPROVEMENTS CONSTRUCTION DRAWINGS

ISSUED FOR TENDER



INFORMATION ONLY

PROJECT NAME: PHASE 2 OF HORSESHOE LAKE
DAM REHABILITATION
PROJECT NO.: 30025849
SITE: HORSESHOE LAKE DAM LOCATED ON THE
GULL RIVER AT 1932 HORSESHOE LAKE ROAD,
MINDEN HILLS, ONTARIO WITHIN THE
HALIBURTON SECTOR OF THE TRENT SEVERN
WATERWAY

DATE OF ISSUE: SEPTEMBER 23, 2014

ISSUED BY: EXECUTIVE DIRECTOR'S OFFICE,
ONTARIO WATERWAYS (EDO)
PARKS CANADA AGENCY

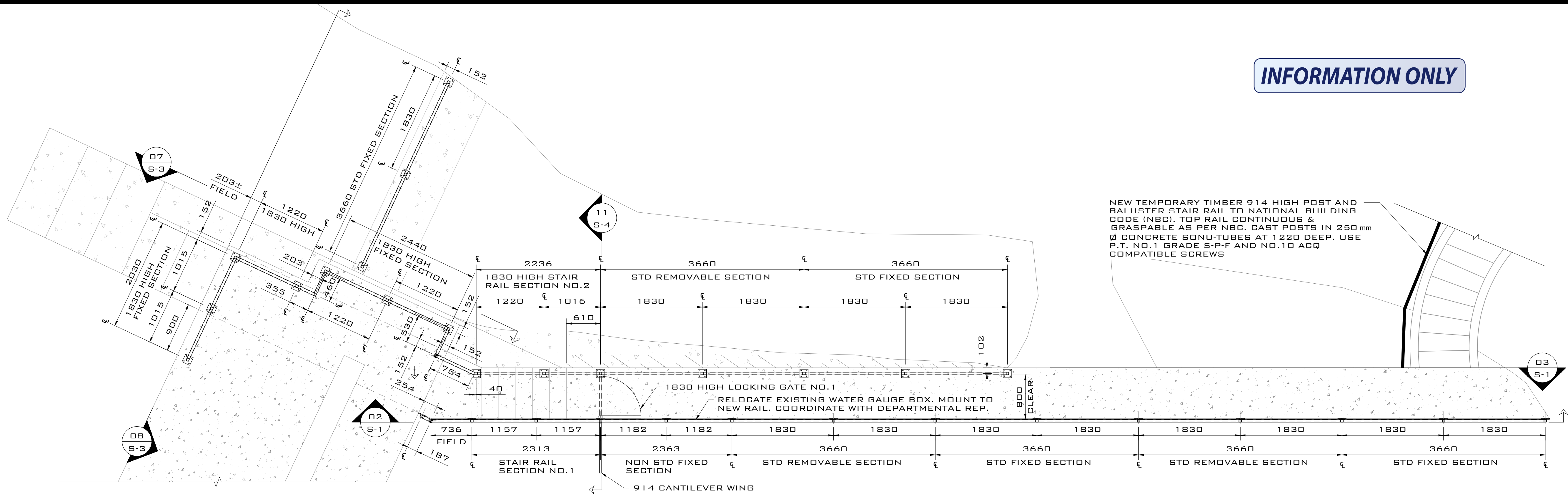
DESIGNED BY: S.GAUTHIER, C.E.T.
DRAWN BY: S.GAUTHIER, C.E.T.
APPROVED BY: M.McLAY, P.ENG.

LIST OF PROJECT DRAWINGS:

C-1: PLAN LAYOUT PUBLIC SAFETY IMPROVEMENTS
S-1: PARTIAL PLAN AND ELEVATIONS NEW GUARD RAILS-DAM WEST END
S-2: PARTIAL PLAN AND ELEVATIONS NEW GUARD RAILS-DAM EAST END
S-3: ELEVATIONS NEW GUARD RAILS AT EAST AND WEST ENDS OF DAM (CONT'D)
S-4: NEW GATE AND LIFE RING MOUNTING DETAILS
S-5: LARGE DAM SIGN TYPE A1 & A8 MOUNTING DETAILS

LIST OF APPLICABLE PARKS CANADA STANDARD DETAIL DRAWINGS:

P-1: STANDARD PUBLIC STYLE GUARD RAIL FABRICATION DETAILS - FIXED RAIL SECTION
P-2: STANDARD PUBLIC STYLE GUARD RAIL FABRICATION DETAILS - REMOVABLE SECTION
P-6: STANDARD PUBLIC STYLE GUARD RAIL TYPICAL SURFACE MOUNT CONNECTION DETAIL
P-7: STANDARD PUBLIC STYLE GUARD RAIL TYPICAL FACE MOUNT CONNECTION DETAIL
P-10 : TYPICAL LOCAL CONCRETE REPAIR DETAIL FOR GUARD RAILS INSTALLATIONS



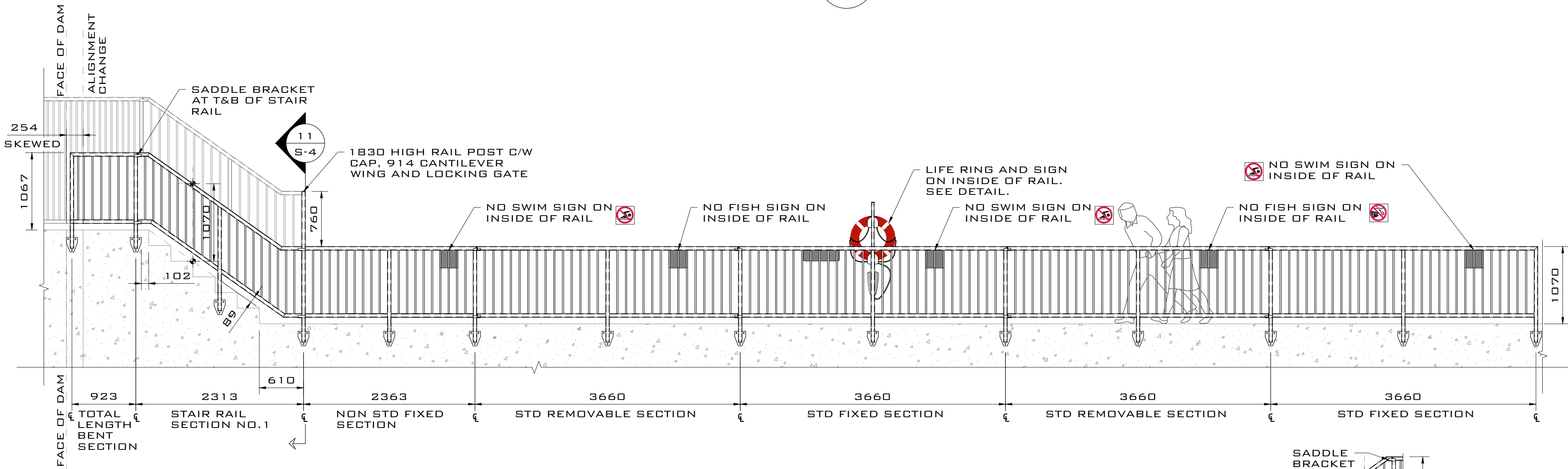
NOTE: EXISTING GUARDRAILS TO REMAIN ON DAM DECK NOT SHOWN

PARTIAL PLAN - NEW GUARD RAILS AT WEST END OF DAM

SCALE: 1:40

01

S-1

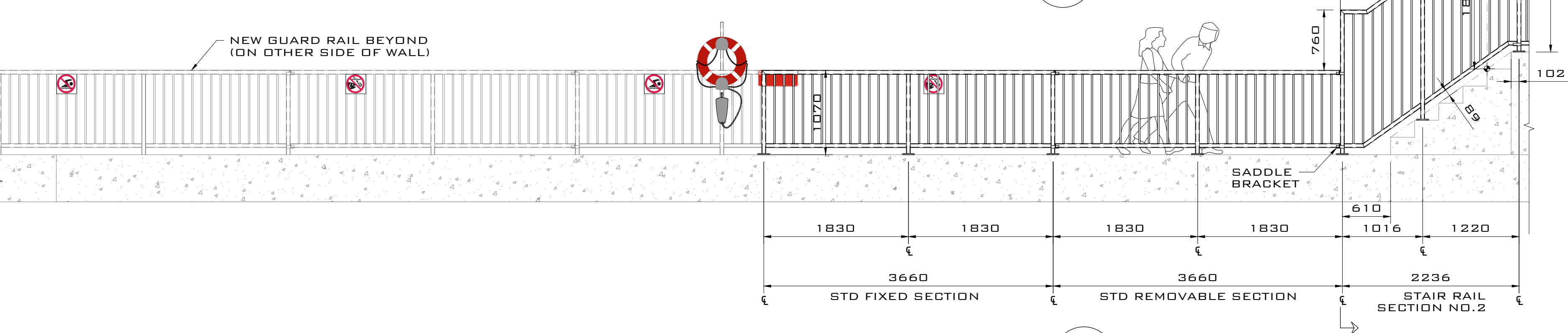


ELEVATION - NEW GUARD RAILS AT EAST FACE OF WEST WING WALL

SCALE: 1:40

02

S-1



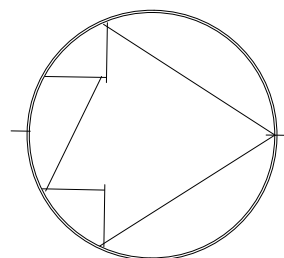
ELEVATION - NEW GUARD RAILS AT WEST FACE OF WEST WING WALL

SCALE: 1:40

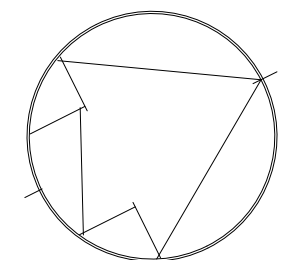
03

S-1

INFORMATION ONLY



PROJECT NORTH



APPROXIMATE TRUE NORTH

S4	GATE AND LIFE RING DETAILS			
S3	ELEVATIONS NEW GUARD RAILS CONTD			
C1	PLAN PUBLIC SAFETY IMPROVEMENTS			
DRAWING NO.	DRAWING NAME			
REFERENCE DRAWINGS				
0	SEP/23/14	FOR TENDER	S.A.G.	M.J.M.
B	SEP/09/14	99% FOR REVIEW	S.A.G.	M.J.M.
NO.	DATE	DESCRIPTION	Drawn by Dessine par	Approved Approuve

A	A Detail number	A Numero de detail
B	B Sheet number	B Sur feuille numero

Linear dimensions in millimeters Dimensions lineaires en millimetres



Canadā

PARKS CANADA
EXECUTIVE DIRECTOR'S OFFICE, WATERWAYS

Type of Record /
Type d'enregistrement

Project title / Titre du projet

HORSESHOE LAKE DAM
REHAB

Drawing title / Titre du dessin

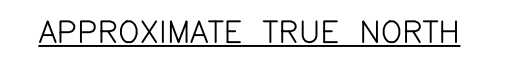
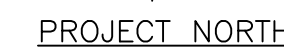
PARTIAL PLAN AND
ELEVATIONS NEW GUARD
RAILS-DAM WEST END

Plot Scale / Echelle		
1:1 (Arch D 24x36 Plot Size)		
Drawn by/ Dessine par S.GAUTHIER	Date SEP.23/14	
Field Recording by / Releve-Termain par S.GAUTHIER	Date JUL.25/14	
Approved by / Approuve par M.McLAY	Date SEP.23/14	
Checked by/ Verifie par M.McLAY	Date SEP.23/14	
Project No./ No. du projet 30025849	Asset No. ??	Sheet No./ Feuille No.
Drawing Re No./No. du Dessin O (FOR TENDER)		S1



*ALL CHANGES ASSOCIATED WITH CURRENT REVISION ARE (CLOUDED) AND ANNOTATED ON DRAWING

INFORMATION ONLY



REVISIONS

Linear dimensions in millimeters	Dimensions lineaires en millimetres
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Type of Record / Type d'enregistrement	
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HORSESHOE LAKE DAM
REHAB

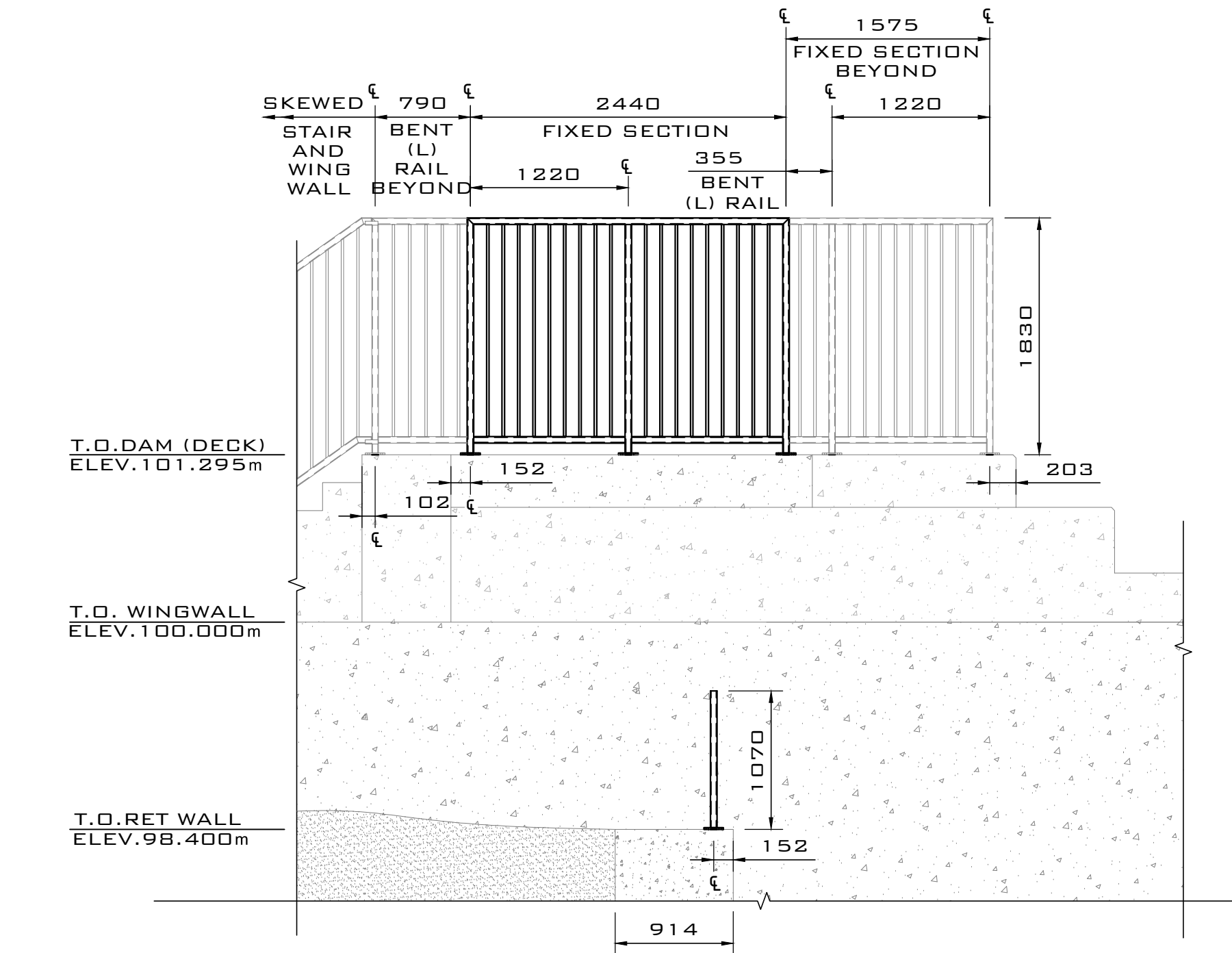
PARTIAL PLAN AND
ELEVATIONS NEW GUARD
RAILS—DAM EAST END

Drawn by/ Dessine par	Date
S.GAUTHIER	SEP.23/14

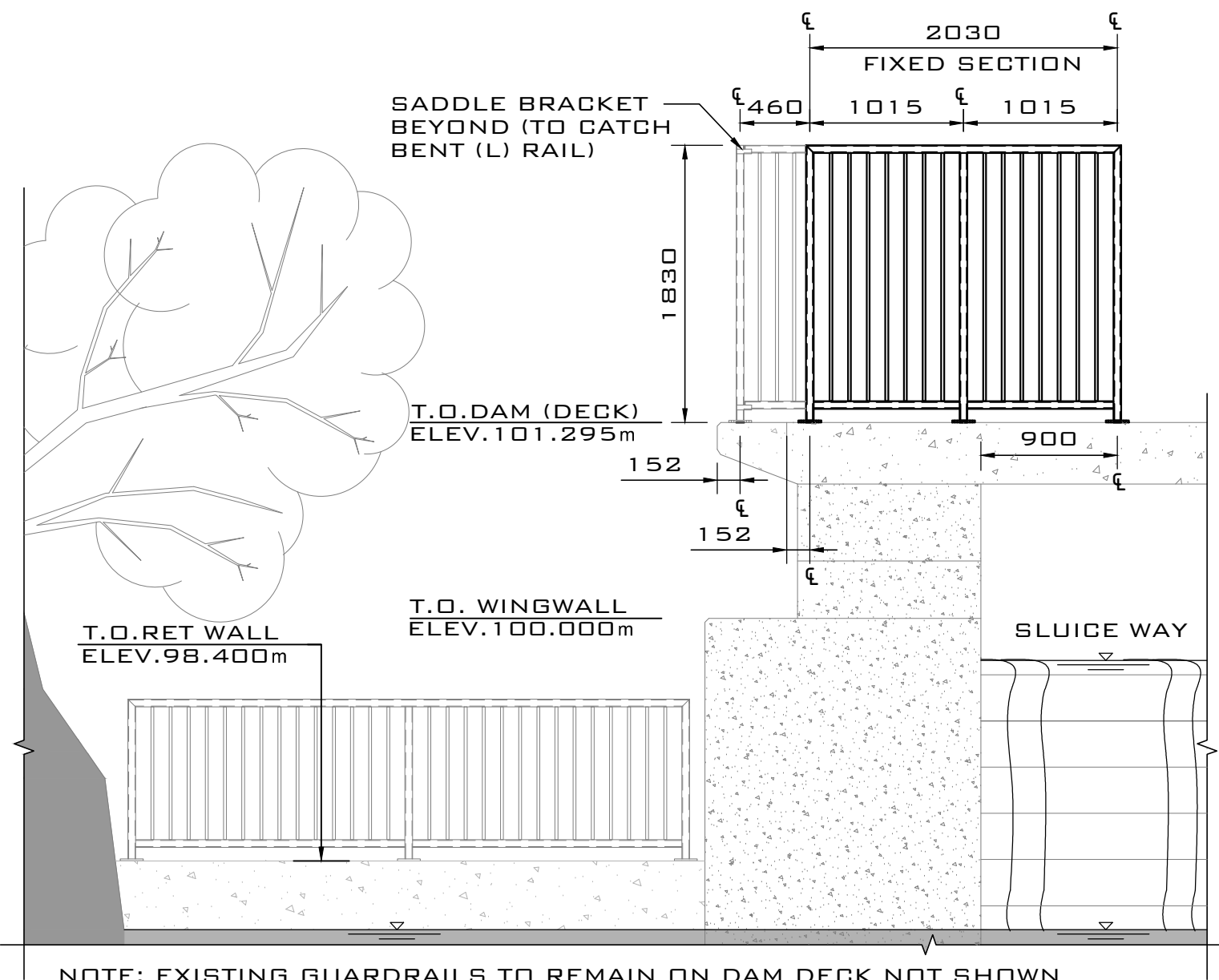
Approved by / Approuvé par S.GAUTHIER	Date NOV.24/14
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Project No./ No. du projet 30025849	Asset No. ??	Sheet No./ Feuille No.
Drawing Re No./No. du Dessin 1(EAST STAIR RAIL ADJUSTED)		S2

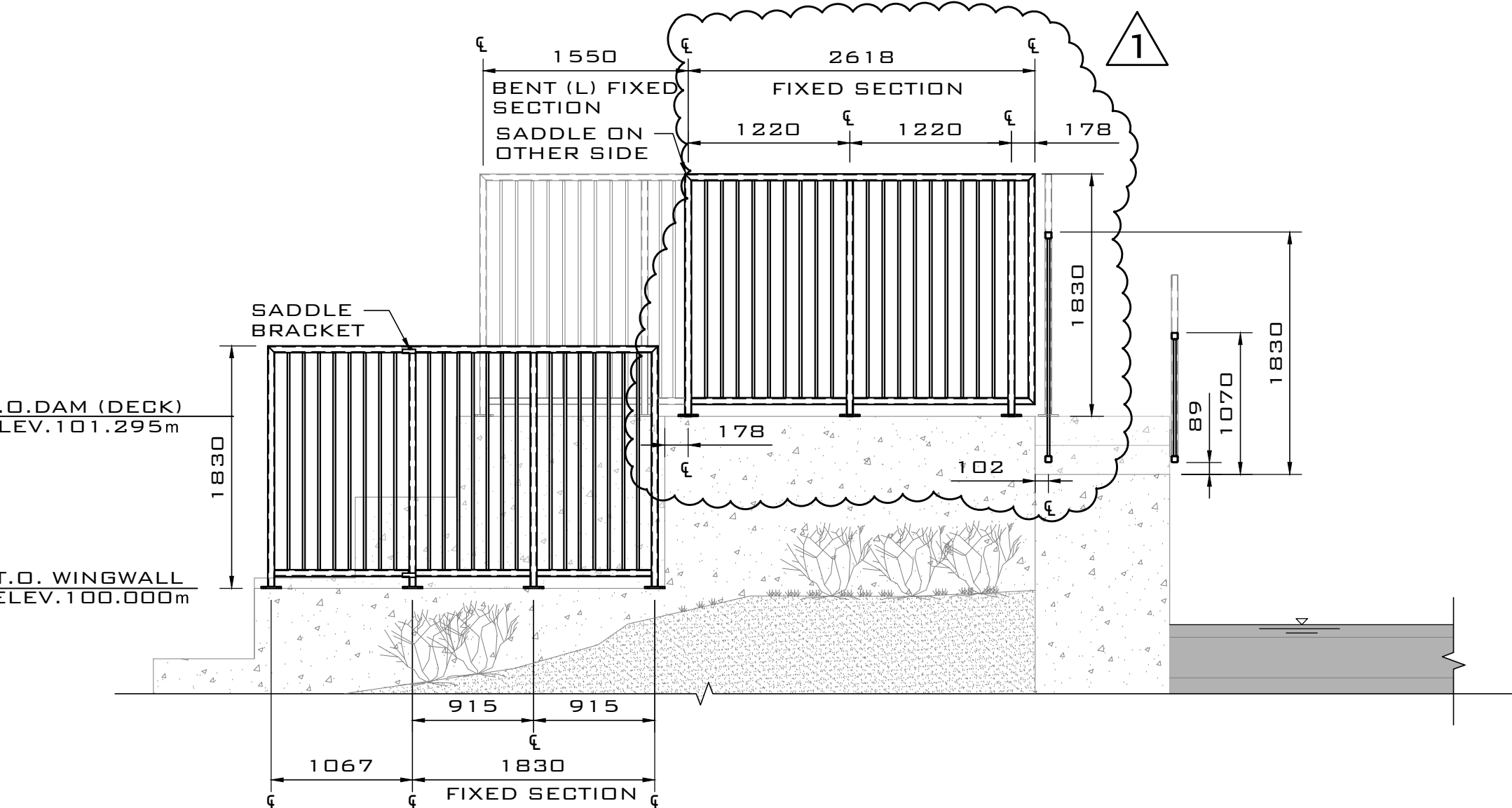
S2



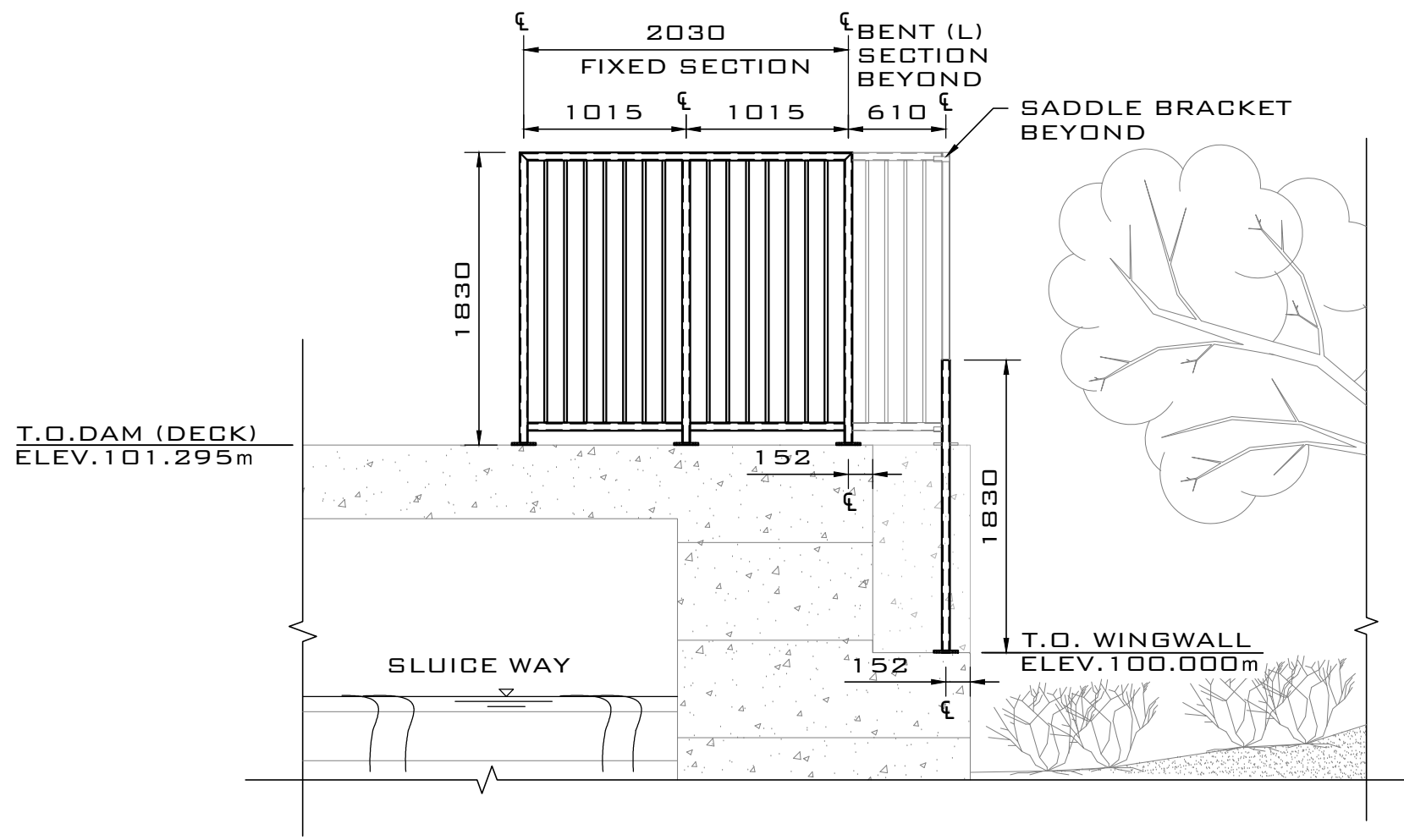
ELEVATION - NEW GUARD RAILS AT DAM WEST END 07
SCALE: 1:40 S-1



ELEVATION - NEW GUARDRAILS
DAM SOUTH FACE/SW CORNER 08
SCALE: 1:40 S-1



SECTION - NEW GUARD RAILS - EAST END OF DAM 09
SCALE: 1:40 S-2



ELEVATION - NEW GUARDRAILS
DAM SOUTH FACE/SE CORNER 10
SCALE: 1:40 S-2

LIST OF REVISIONS*			
NO.	TITLE OF REVISION	REVISION DATE	DESCRIPTION OF CHANGE
B	99% ISSUED FOR INTERNAL REVIEW	SEP.9,2014	99% DEVELOPMENT
D	ISSUED FOR TENDER	SEP.23,2014	TENDER ISSUE
1	EAST STAIR RAIL ADJUSTED	NOV.24,2014	SOUTH RAIL AT EAST WING WALL STAIR IS MOVED NORTH INTO STAIR AND POSTS CHANGED FROM FACE MOUNT TO SURFACE MOUNT. EAST GATE WIDTH ADJUSTED FOR CHANGE. RAIL AT EAST END OF DECK LENGTHENED WITH CANT. FOR CHANGE.

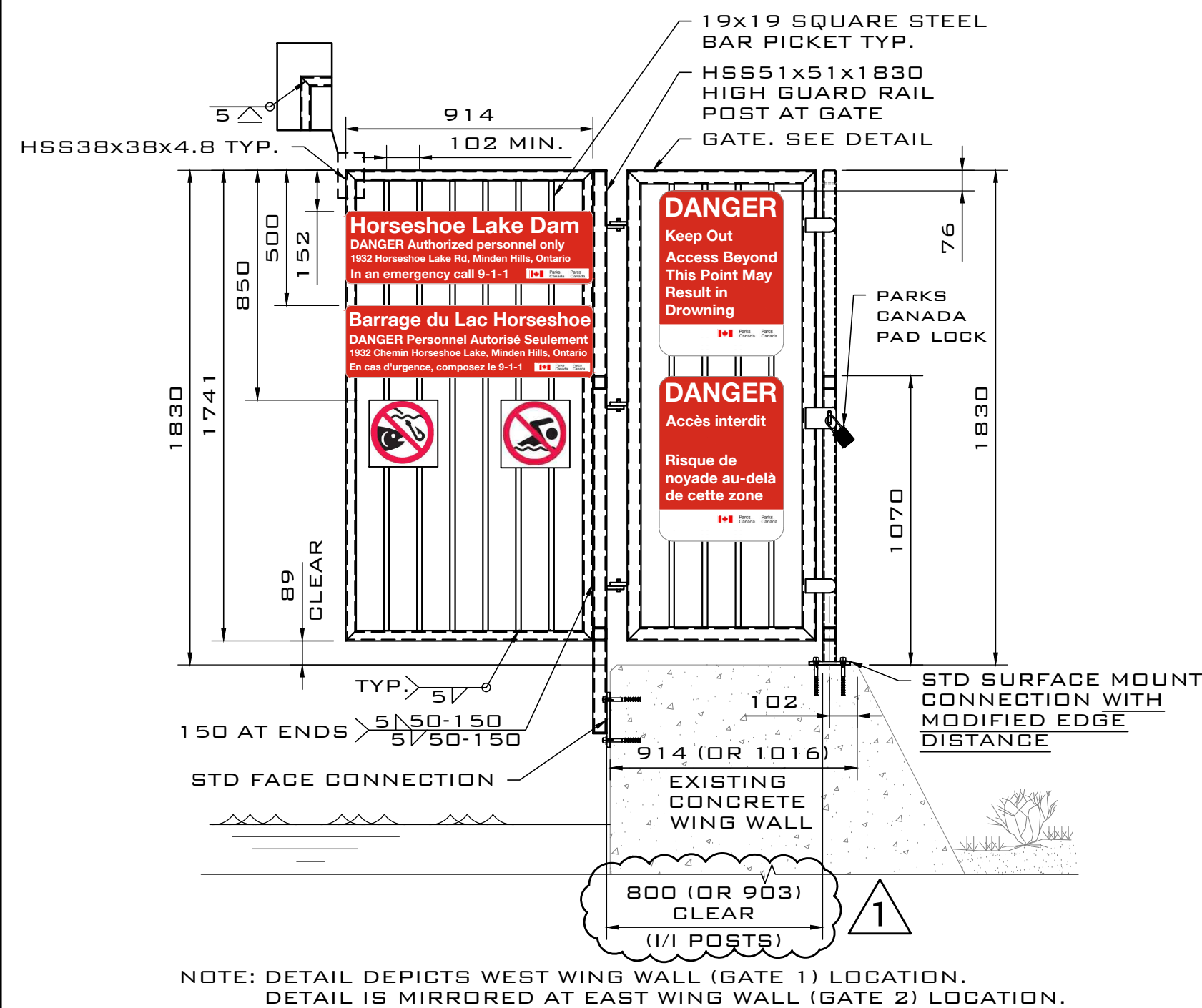
*ALL CHANGES ASSOCIATED WITH CURRENT REVISION ARE CLOUDED AND ANNOTATED ON DRAWING

INFORMATION ONLY

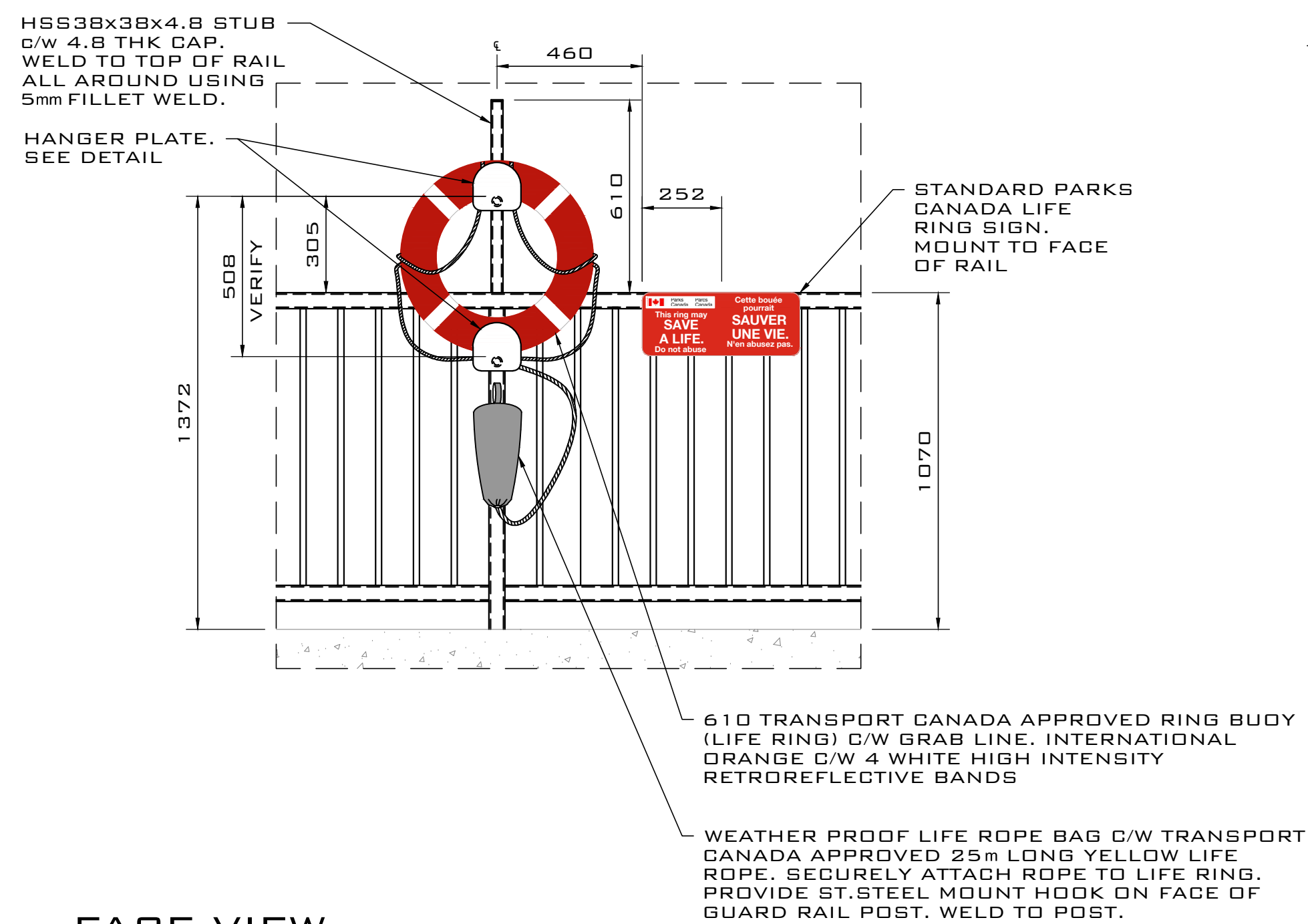
PROJECT NORTH

APPROXIMATE TRUE NORTH

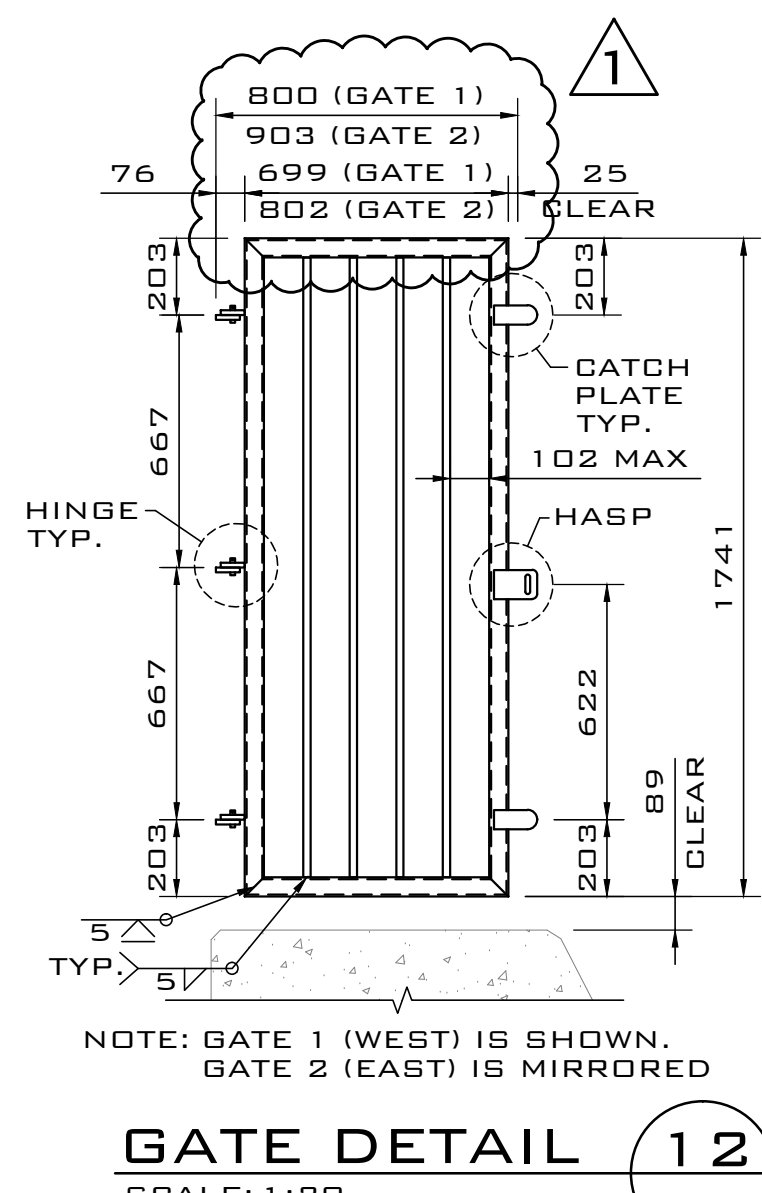
S2	PARTIAL PLAN, ELEVS EAST DAM END
S1	PARTIAL PLAN, ELEVS WEST DAM END
DRAWING NO.	DRAWING NAME
REFERENCE DRAWINGS	
1	NOV.24/14 EAST STAIR RAIL S.A.G. S.A.G.
0	SEP.23/14 FOR TENDER S.A.G. M.J.M.
B	SEP.09/14 99% FOR REVIEW S.A.G. M.J.M.
NO.	DATE DESCRIPTION Drawn by Approved
REVISIONS	
A	A Detail number A Numero de detail
B	B Sheet number B Sur feuille numero
Linear dimensions in millimeters Dimensions lineaires en millimetres	
<div><div> Parcs Canada Parks Canada</div><div></div></div>	
Canad�	
PARKS CANADA EXECUTIVE DIRECTOR'S OFFICE, WATERWAYS	
Type of Record / Type d'enregistrement	
Project title / Titre du projet HORSESHOE LAKE DAM REHAB	
Drawing title / Titre du dessin ELEVATIONS NEW GUARD RAILS AT EAST & WEST ENDS OF DAM (CONT'D)	
Plot Scale / Echelle 1:1 (Arch D 24x36 Plot Size)	
Drawn by/ Dessine par Date S.GAUTHIER NOV.24/14	
Field Recording by / Releve-Temoin par Date S.GAUTHIER JUL.25/14	
Approved by / Approuve par Date S.GAUTHIER NOV.24/14	
Checked by/ Verifie par Date	
Project No./ No. du projet Asset No. Sheet No./ 30025849 ?? Feuille No.	
Drawing Re No./No. du Dessin 1(EAST STAIR RAIL ADJUSTED) S3	



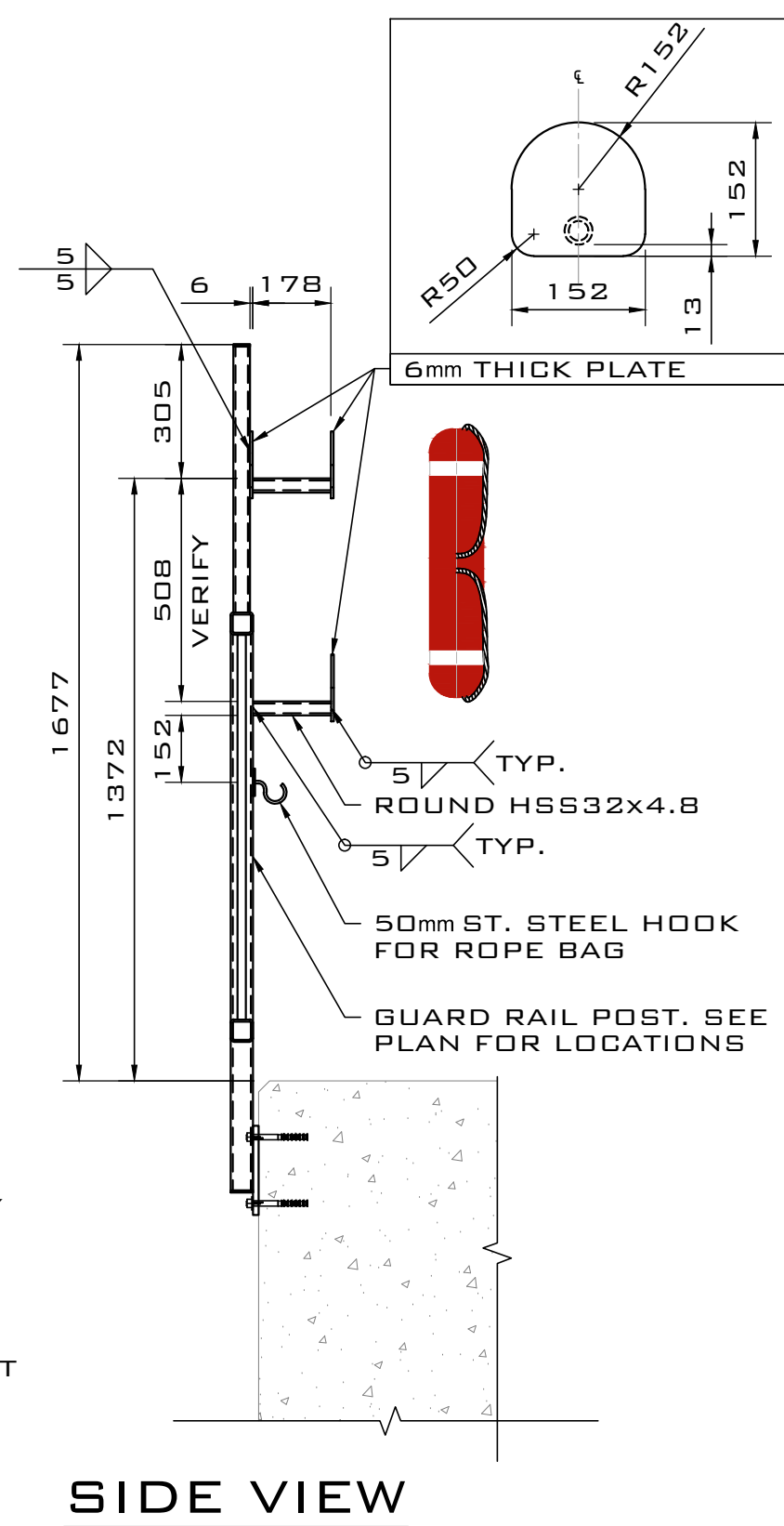
CANTILEVER RAIL WING DETAIL 11
SCALE: 1:20



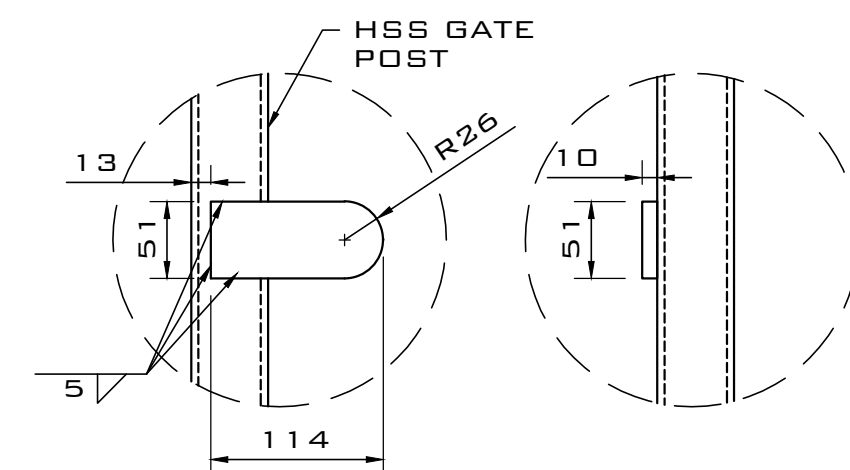
FACE VIEW
DETAIL - LIFE RING MOUNTING 16
SCALE: 1:16



GATE DETAIL 12
SCALE: 1:20

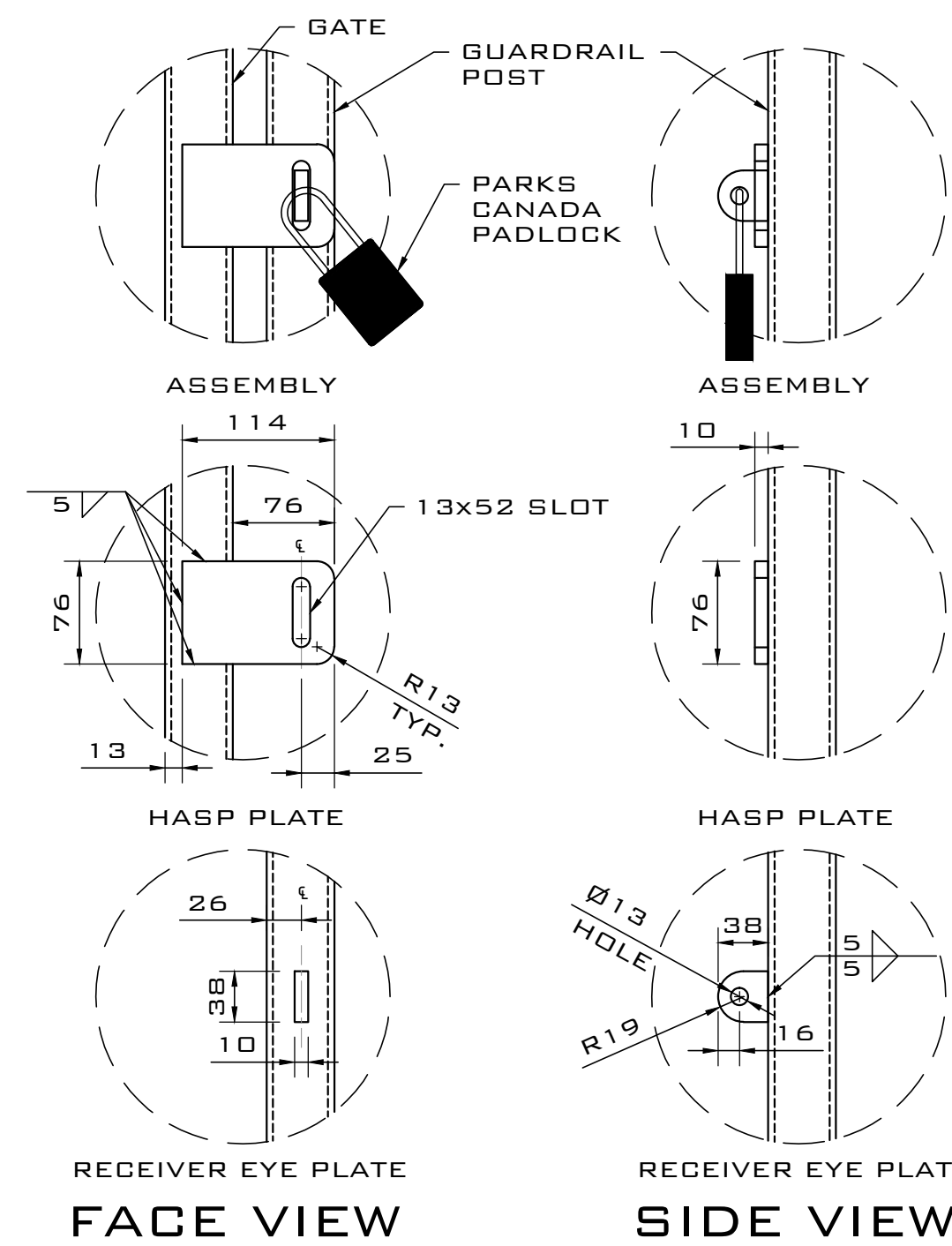


SIDE VIEW



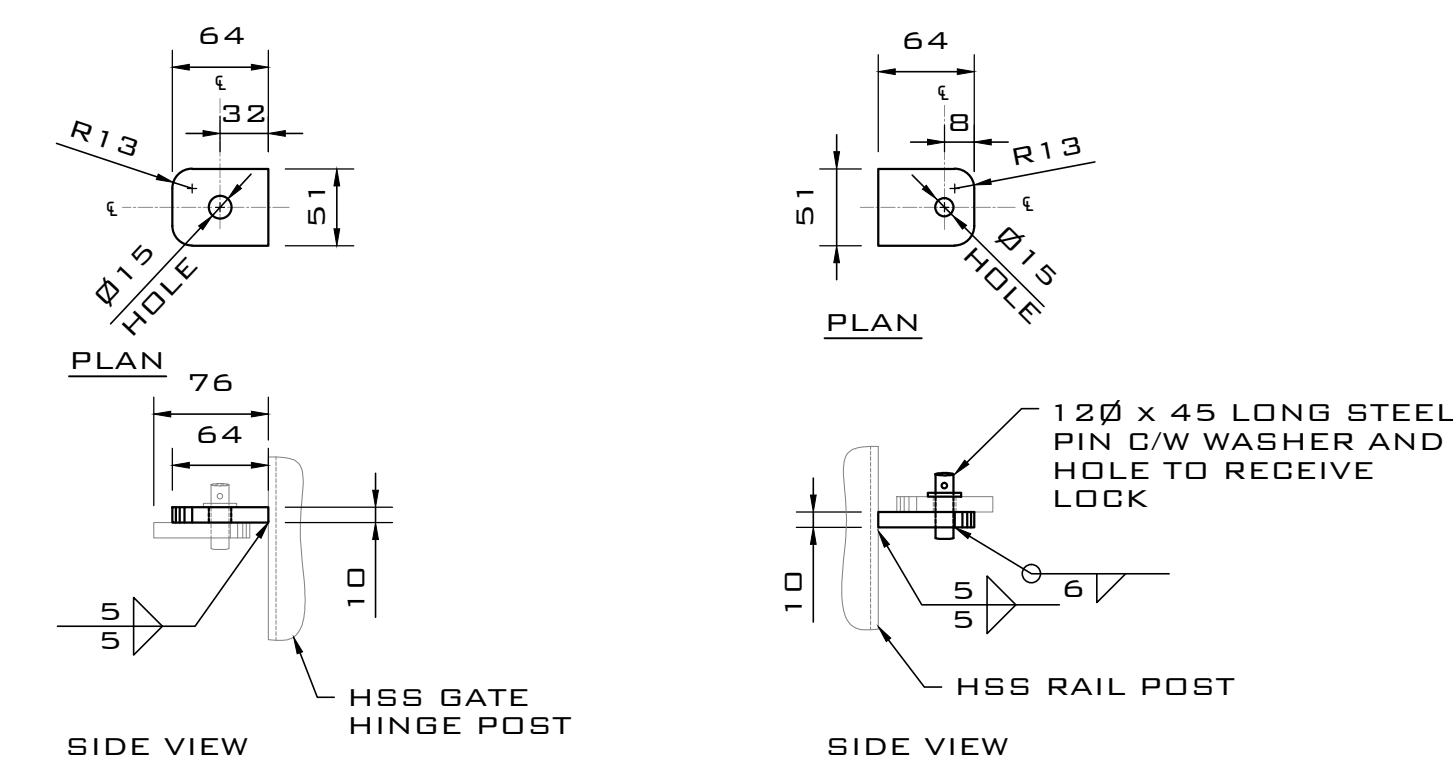
FACE VIEW SIDE VIEW

GATE CATCH PLATE DETAIL 13
SCALE: 1:5



FACE VIEW SIDE VIEW

GATE HASP DETAIL 14
SCALE: 1:5



TOP HINGE PLATE BOTTOM HINGE PLATE

GATE HINGE DETAIL 15
SCALE: 1:5

LIST OF REVISIONS*			
NO.	TITLE OF REVISION	REVISION DATE	DESCRIPTION OF CHANGE
B	99% ISSUED FOR INTERNAL REVIEW	SEP.9,2014	99% DEVELOPMENT
D	ISSUED FOR TENDER	SEP.23,2014	TENDER ISSUE
I	EAST STAIR RAIL ADJUSTED	NOV.24,2014	SOUTH RAIL AT EAST WING WALL STAIR IS MOVED NORTH INTO STAIR AND POSTS CHANGED FROM FACE MOUNT TO SURFACE MOUNT. EAST GATE WIDTH ADJUSTED FOR CHANGE. RAIL AT EAST END OF DECK LENGTHENED WITH CANT. FOR CHANGE.

*ALL CHANGES ASSOCIATED WITH CURRENT REVISION ARE CLOUDED AND ANNOTATED ON DRAWING

INFORMATION ONLY

PROJECT NORTH

APPROXIMATE TRUE NORTH

S2	PARTIAL PLAN, ELEVS DAM EAST END
S1	PARTIAL PLAN, ELEVS DAM WEST END
DRAWING NO.	DRAWING NAME
REFERENCE DRAWINGS	
1	NOV.24/14 EAST STAIR RAIL S.A.G. S.A.G.
0	SEP.23/14 FOR TENDER S.A.G. M.J.M.
B	SEP/09/14 99% FOR REVIEW S.A.G. M.J.M.
NO.	DATE DESCRIPTION Drawn by Approved
	Dessine par Approuvé

REVISIONS

A	A Detail number	A Numero de detail
B	B Sheet number	B Sur feuille numero

Linear dimensions in millimeters Dimensions lineaires en millimetres



Canada

PARKS CANADA
EXECUTIVE DIRECTOR'S OFFICE, WATERWAYS

Type of Record /
Type d'enregistrement

Project title / Titre du projet

**HORSESHOE LAKE DAM
REHAB**

Drawing title / Titre du dessin




**NEW GATE AND LIFE
RING MOUNTING DETAILS**

Plot Scale / Echelle
1:1 (Arch D 24x36 Plot Size)

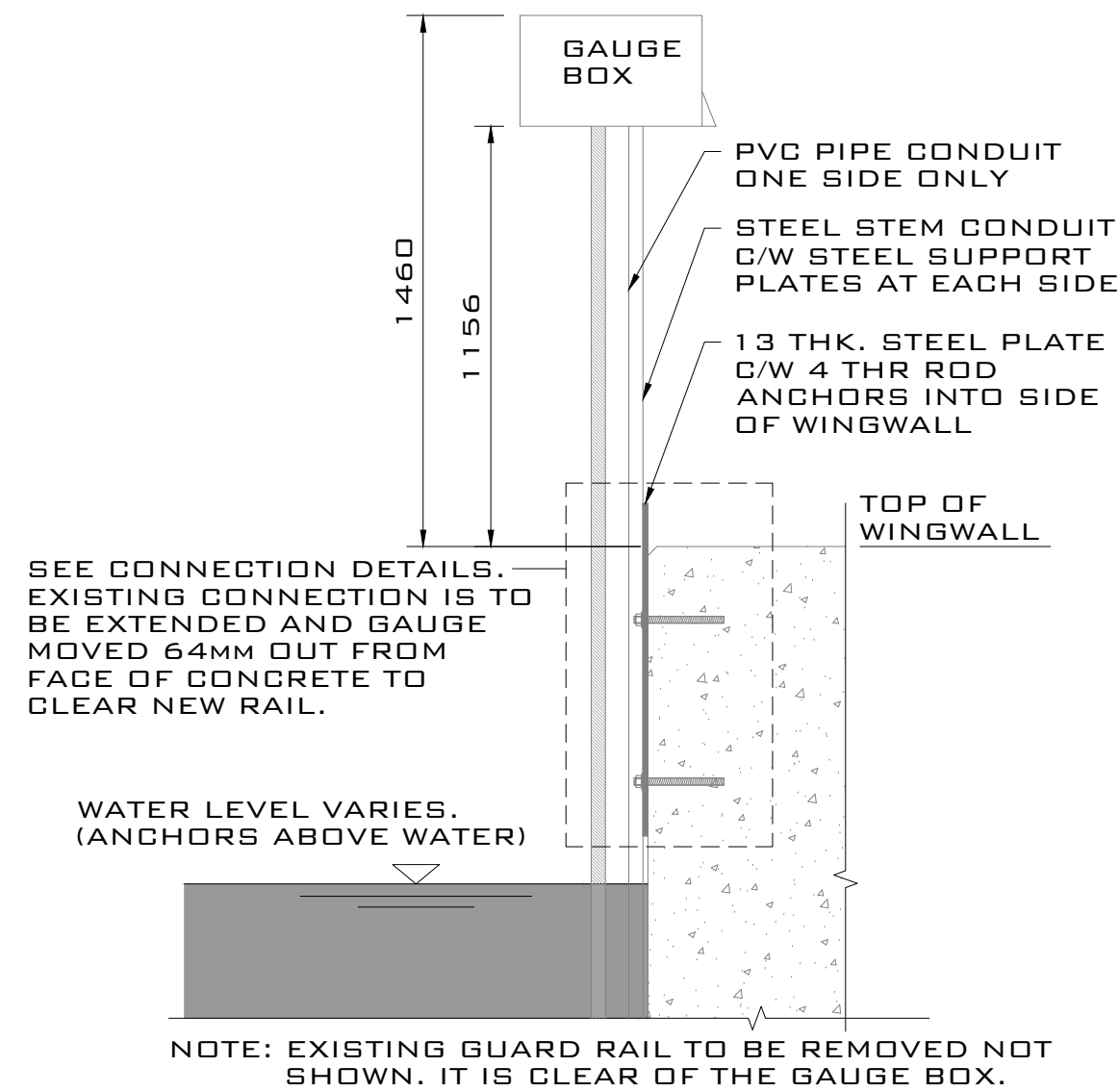
Drawn by/ Dessine par	Date
S.GAUTHIER	NOV.24/14
Field Recording by / Releve-Temoin par	Date
S.GAUTHIER	JUL.25/14
Approved by / Approuve par	Date
S.GAUTHIER	NOV.24/14
Checked by/ Verifie par	Date

Project No./ No. du projet	Asset No.	Sheet No./ Feuille No.
30025849	??	S4
Drawing Re No./No. du Dessin	1(EAST STAIR RAIL ADJUSTED)	

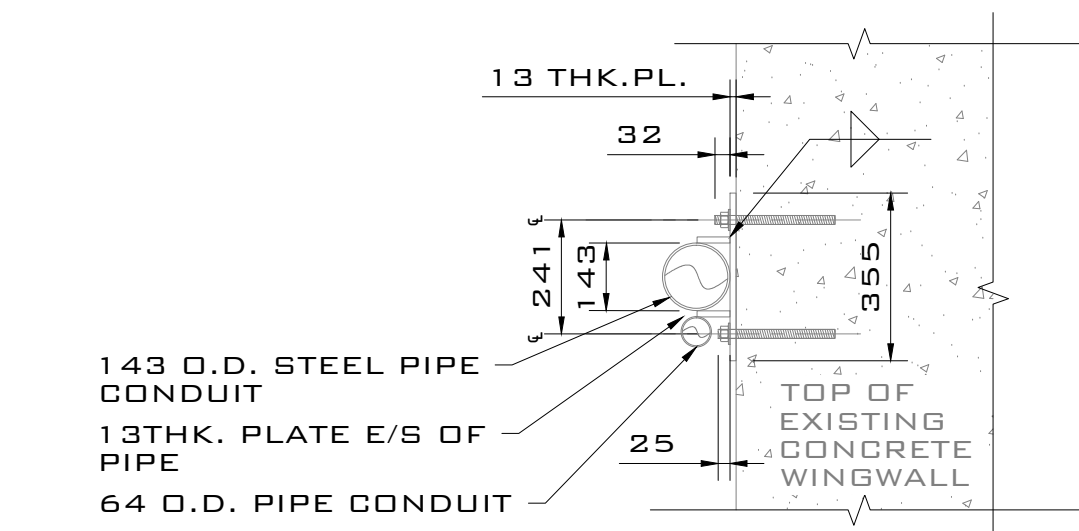


 Parks Canada		 Parks Canada		 Parks Canada	
<h1>Canada</h1>					
PARKS CANADA EXECUTIVE DIRECTOR'S OFFICE, WATERWAYS					
Type of Record / Type d'enregistrement					
Project title / Titre du projet HORSESHOE LAKE DAM REHAB					
Drawing title / Titre du dessin LARGE DAM SIGN TYPE A1 & A8 MOUNTING DETAILS					
Plot Scale / Echelle 1:1 (Arch D 24x36 Plot Size)					
Drawn by/ Dessiné par S.GAUTHIER			Date SEP.5/14		
Field Recording by / Relevé-Terminé par S.GAUTHIER			Date JUL.25/14		
Approved by / Approuvé par M.McCLAY			Date SEP.9/14		
Checked by/ Verifié par M.McCLAY			Date SEP.9/14		
Project No./ No. du projet 30025849		Asset No. ??		Sheet No./ Feuille No. S5	
Drawing Re No./No. du Dessin O (FOR TENDER)					

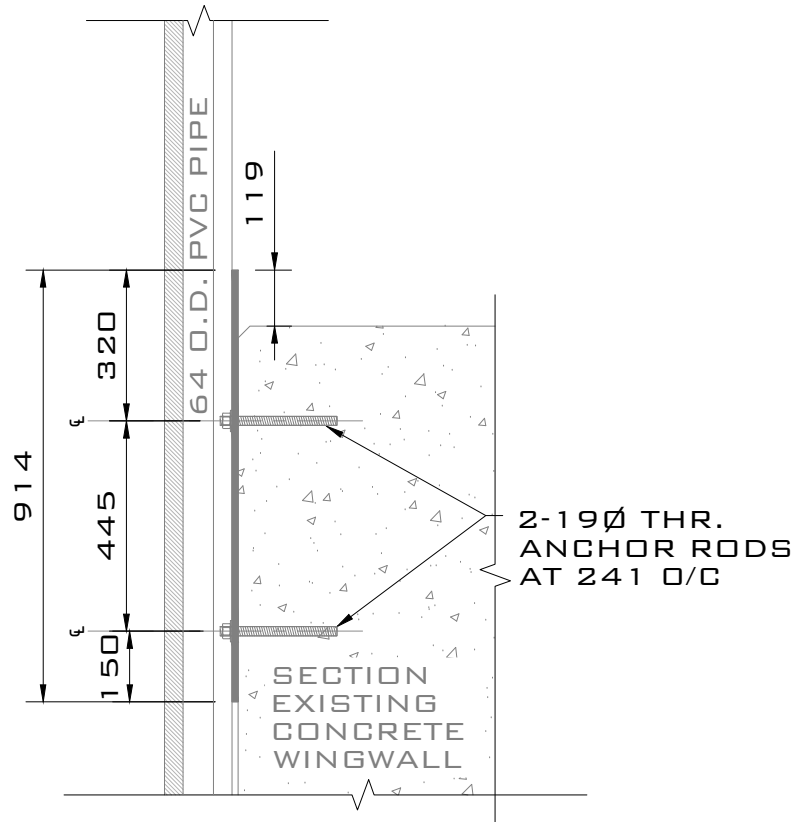
INFORMATION ONLY



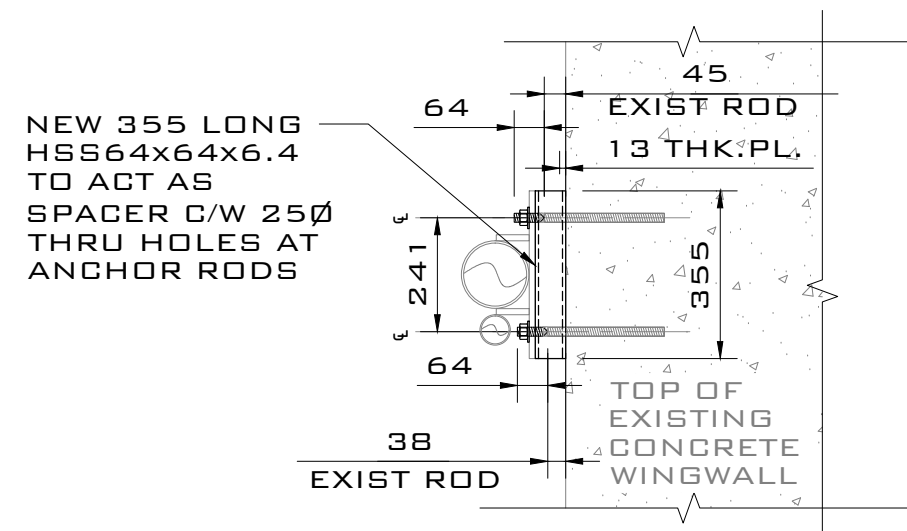
LEFT SIDE VIEW EXISTING GAUGE BOX
SCALE: 1:20



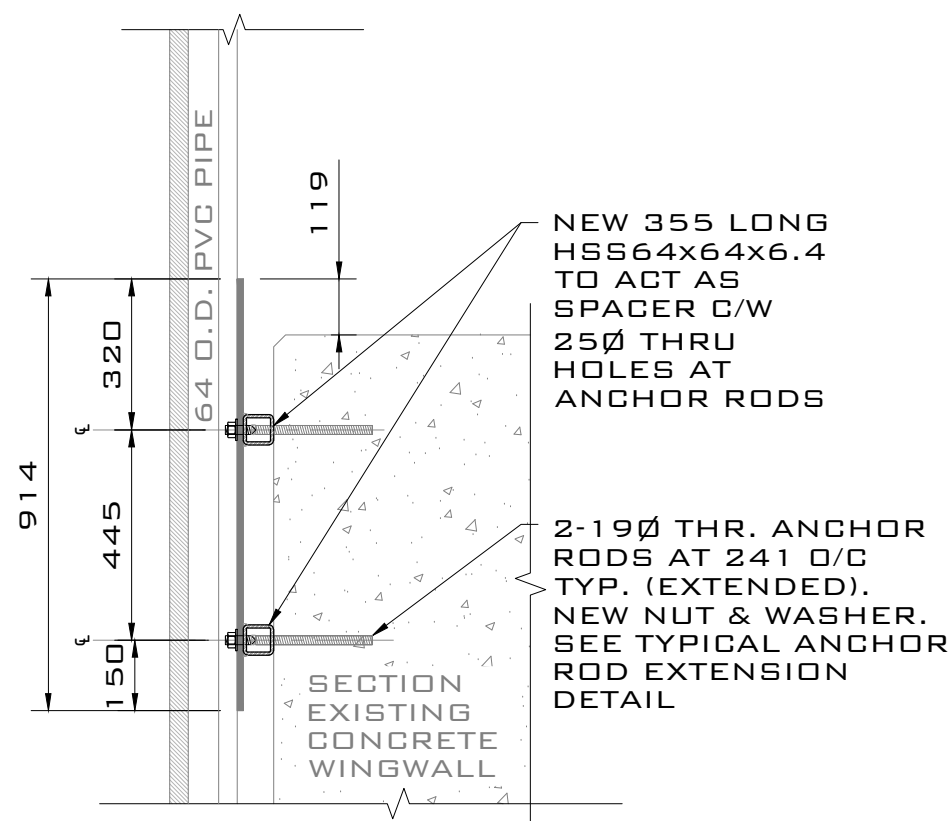
PLAN (TOP) VIEW OF EXISTING CONNECTION
SCALE: 1:16



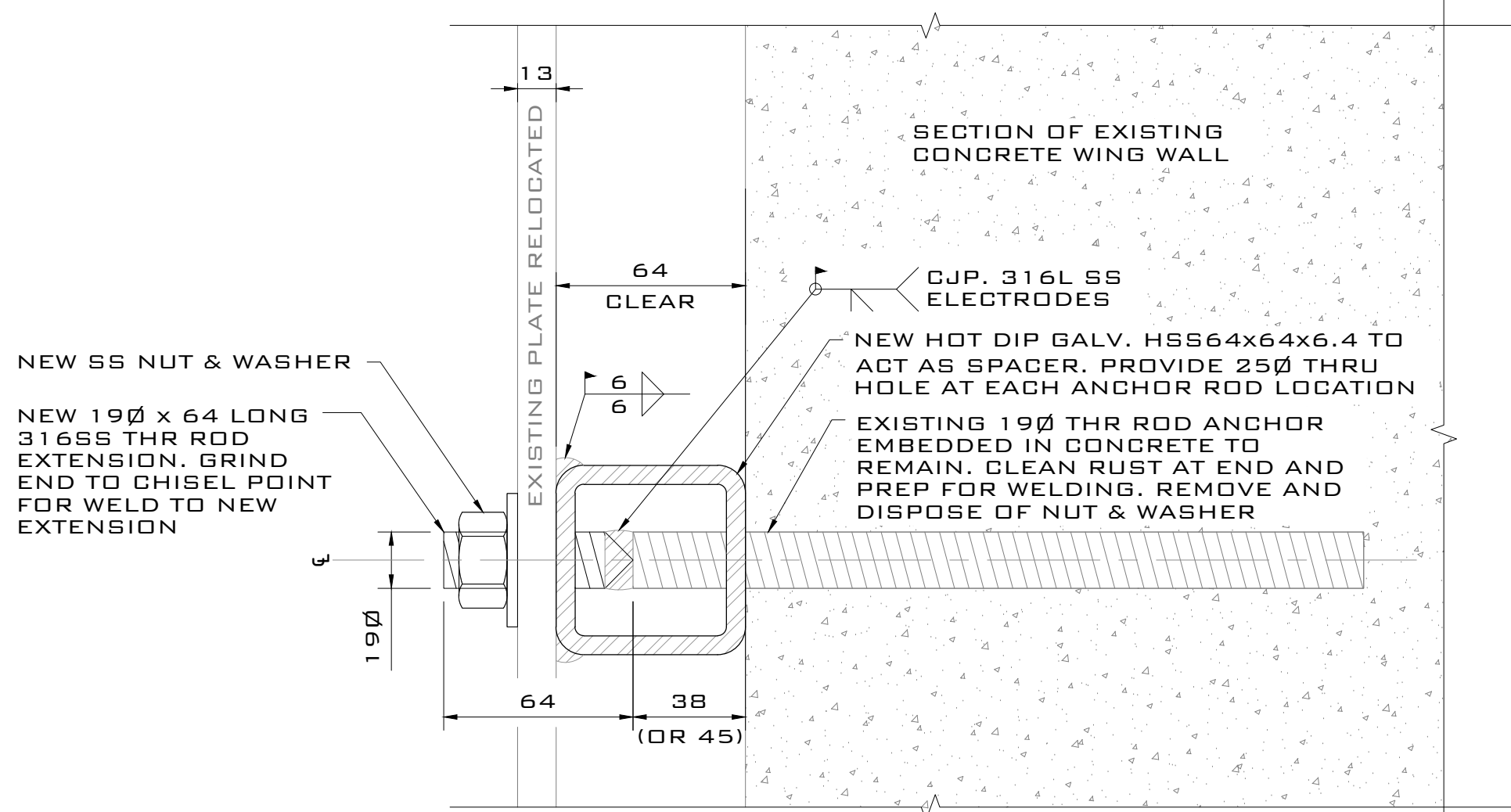
LEFT SIDE VIEW OF EXISTING CONNECTION
SCALE: 1:16



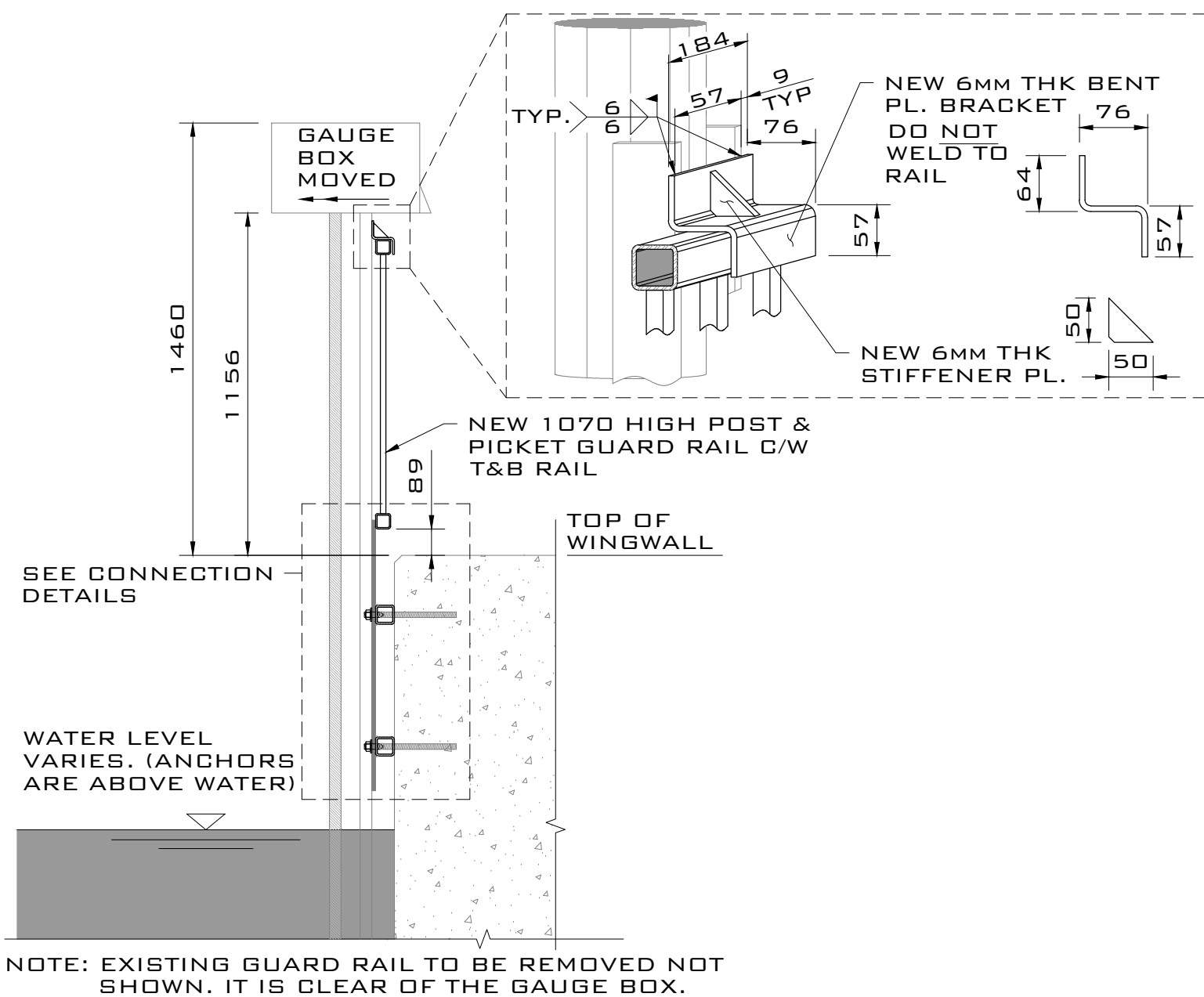
PLAN (TOP) VIEW OF ADJUSTED CONNECTION
SCALE: 1:16



LEFT SIDE VIEW OF ADJUSTED CONNECTION
SCALE: 1:16



TYPICAL ANCHOR ROD EXTENSION
SCALE: 1:2



LEFT SIDE VIEW RELOCATED GAUGE BOX
SCALE: 1:20

PROJECT NORTH

APPROXIMATE TRUE NORTH

C1 PLAN PUBLIC SAFETY IMPROVEMENTS

DRAWING NO. DRAWING NAME

REFERENCE DRAWINGS

0 OCT/10/14 FOR TENDER S.A.G. S.A.G.

NO. DATE DESCRIPTION Drawn by Approved Dessine par Approuve

REVISIONS

A Detail number A Numero de detail
B Sheet number B Sur feuille numero

Linear dimensions in millimeters Dimensions lineaires en millimetres



Parcs Canada Parks Canada



Canada

PARKS CANADA
EXECUTIVE DIRECTOR'S OFFICE, WATERWAYS

Type of Record /
Type d'enregistrement

Project title / Titre du projet

HORSESHOE LAKE DAM
REHAB

Drawing title / Titre du dessin

WEST WING WALL
WATER GAUGE
RELOCATION DETAILS

Plot Scale / Echelle

1:1 (Arch D 24x36 Plot Size)

Drawn by/ Dessine par Date
S.GAUTHIER OCT.10/14

Field Recording by /
Releve-Temoin par Date
G.COOPER OCT.10/14

Approved by / Approuve par Date
S.GAUTHIER OCT.10/14

Checked by/ Verifie par Date

Project No./ No. du projet Asset No. Sheet No./
30025849 ?? Feuille No.

Drawing Re No./No. du Dessin
0 (FOR TENDER)

S6