

File Name: P:\Water Resources\PROJECTS\CW2184_Highfield Dam\400 - Work In Progress\440 Water\445 CAD\1 Deliverables\1 Drawings\CW2184_DWG_01-G-1001.dwg Saved By: Vargutz, Dale Plot Date: 14/07/11 2:04 PM ANS D 864mm x 559mm

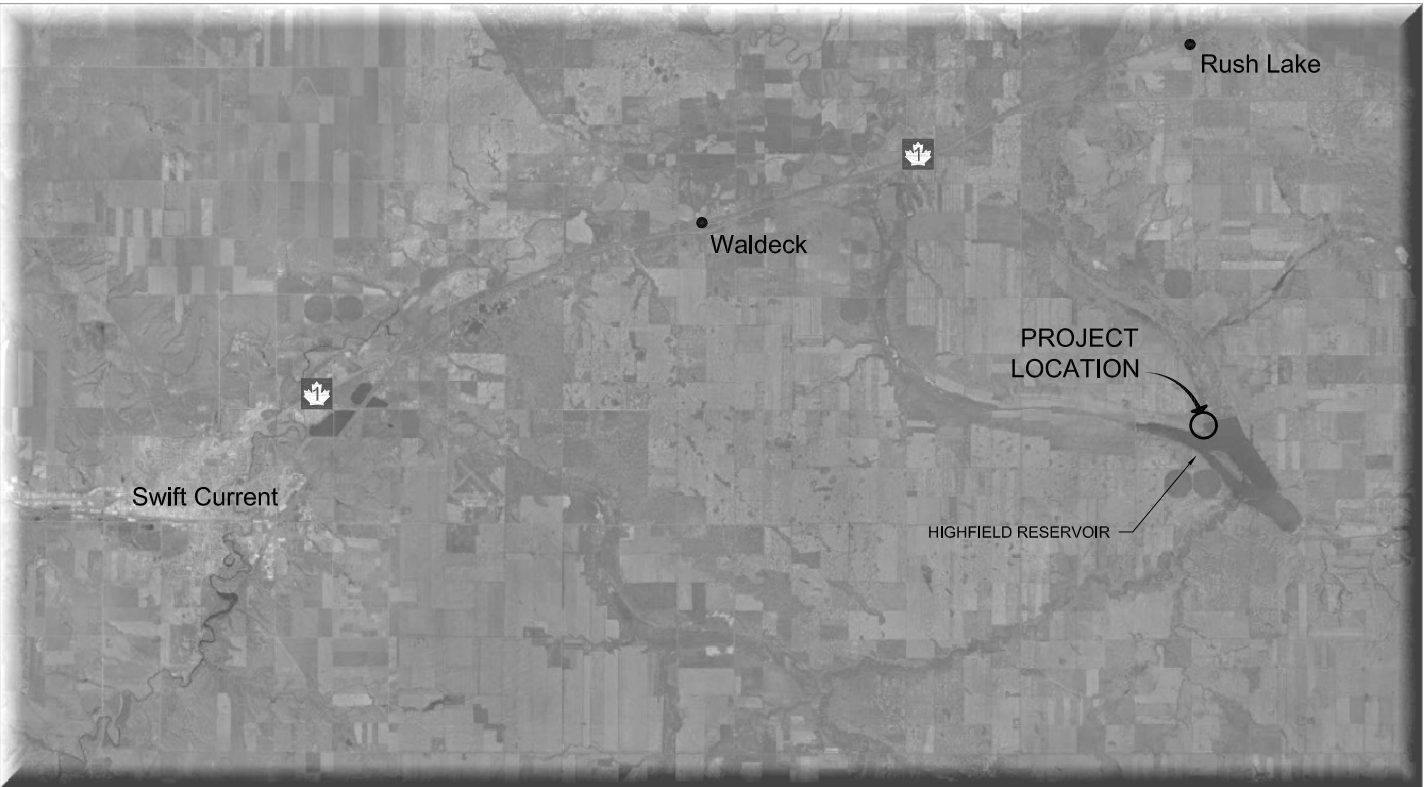
Agriculture and Agri-Food Canada

Highfield Dam

Rehabilitation of West Low Level Outlet

List of Project Drawings

AMEC Drawing Number	AAFC Drawing Number	Sheet Title
G-1001	208923	Sheet
G-1002	208924	Site Plan
S-1001	208925	West Low Level Outlet Structure - Plan and Section
S-3001	208926	West Low Level Outlet Structure - Elevation, Sections and Detail
S-3002	208927	West Low Level Outlet Structure - Section and Detail
S-3003	208928	West Low Level Outlet Structure - Operating Deck
S-3004	208929	West Low Level Outlet Structure - Operating Deck - Reinforcing
CW3001	208930	Herbert Main Canal - Typical Canal Sections - Sta 0+005 and Sta 0+025
CW3002	208931	Herbert Main Canal - Typical Canal Sections - Sta 0+035 and Sta 0+050



Issued For Tender

ISSUE DATE: 2014-07-14

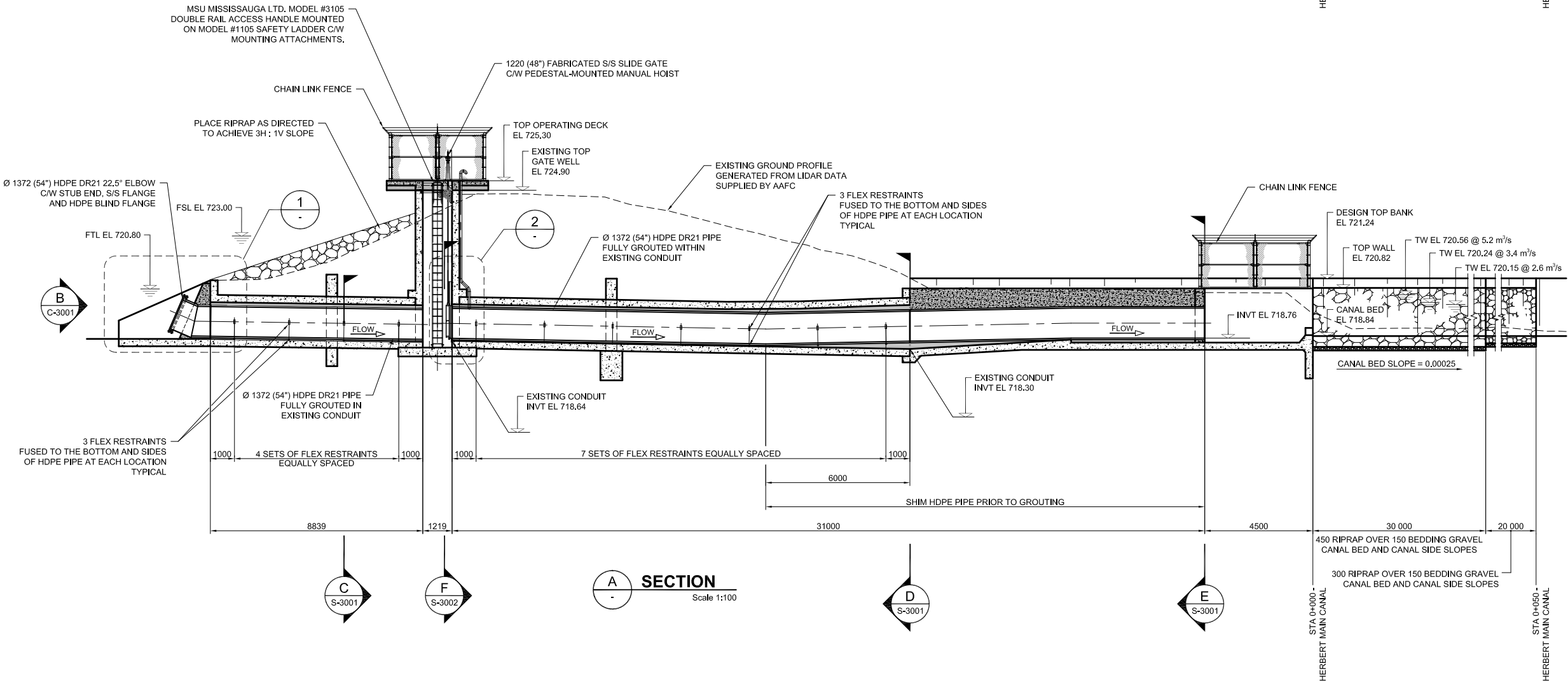
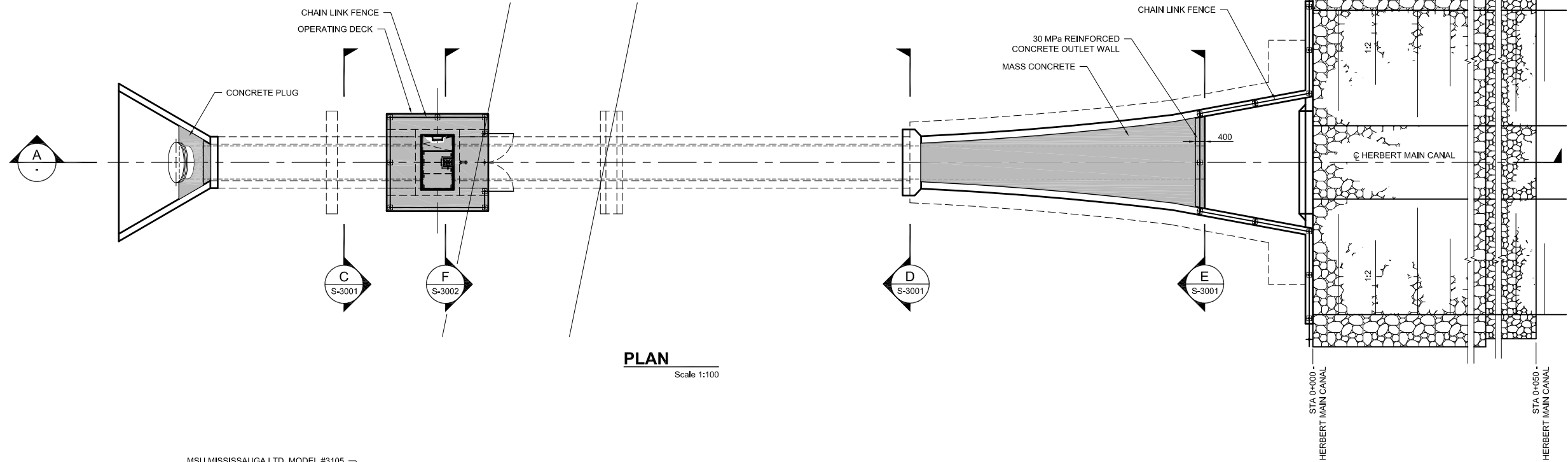


PROJECT LOCATION PLAN
NTS

Set No.: _____

AAFC Drawing Number	Project Number	AMEC Drawing Number	Issue/Revision
208923	CW2184	G-1001	A

File Name: P:\Water Resources\PROJECTS\CW2184_Highfield Dam\400 - Work In Progress\440 Water\445 CAD\1 Deliverables\Drawings\CW2184_DWG_01-S-1001.dwg
Saved By: Varguz, Date: 14/07/14 11:22 AM
This drawing has been prepared for the use of AMEC's client and may not be used, reproduced or relied upon by third parties, except as agreed by AMEC and its client, as required by law or for use by governmental reviewing agencies. AMEC accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AMEC's express written consent.



NOTES

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS OTHERWISE INDICATED.
2. ALL ELEVATIONS ARE SHOWN IN METRES UNLESS OTHERWISE INDICATED.

Scale



This document may have been reduced. Do not scale this document. All measurements must be obtained from stated dimensions.

Professional Authentication



REV	YY	MM	DD	ISSUE/REVISION DESCRIPTION	DBV	SBH	SBH	HDM
A	14	07	14	ISSUED FOR TENDER				



Client
AGRICULTURE AND AGRI-FOOD CANADA
AAFC DRAWING NUMBER - 208925

Project Name
**HIGHFIELD DAM
REHABILITATION OF WEST LOW LEVEL OUTLET**

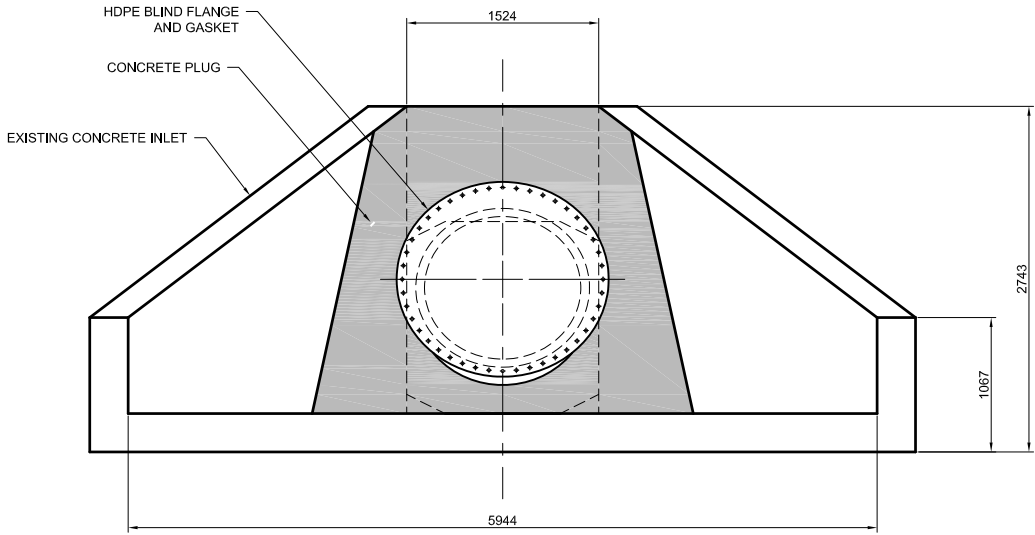
Project Number
CW2184

Sheet Title
**WEST LOW LEVEL OUTLET STRUCTURE
PLAN AND SECTION**

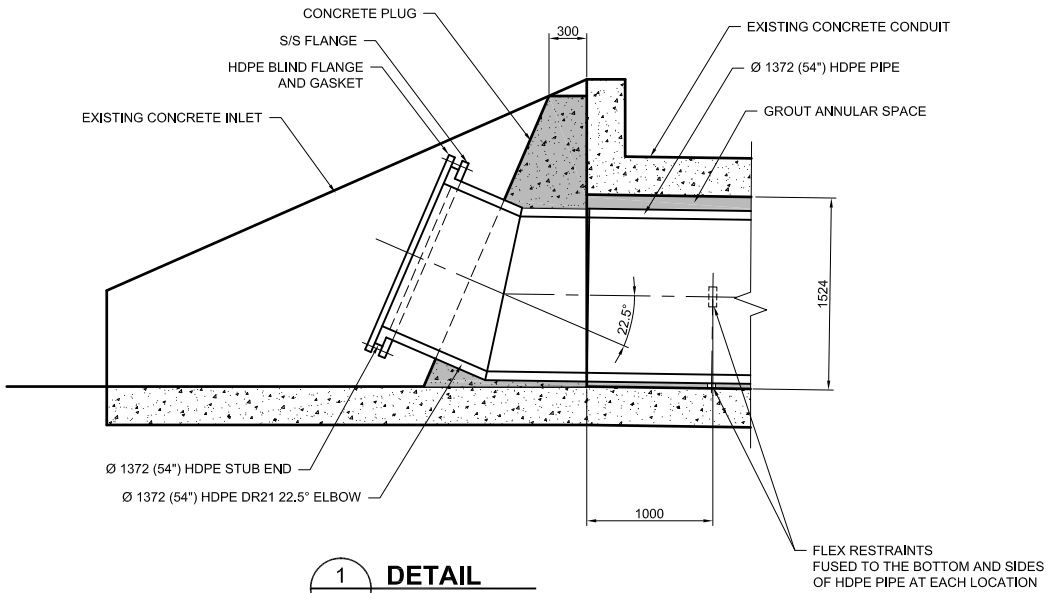
Drawing Number
S-1001

Issue/Revision
A

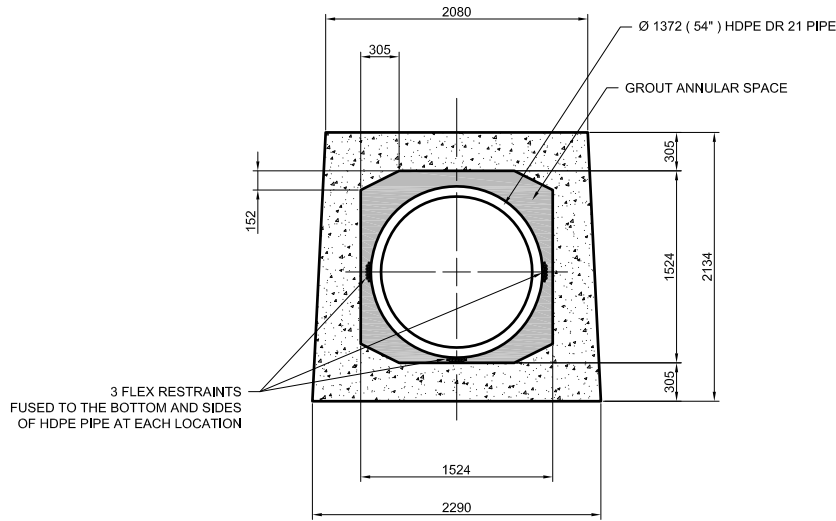
File Name: P:\Water Resources\PROJECTS\CW2184_Highfield Dam\400 - Work In Progress\440 Water\445 CAD\1 Deliverables\1 Drawings\CW2184_DWG_01-S-3001.dwg Saved By: Varguz, Date: 140715 11:20 AM
This drawing has been prepared for the use of AMEC's client and may not be used, reproduced or relied upon by third parties, except as agreed by AMEC and its client, as required by law or for use by governmental reviewing agencies. AMEC accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AMEC's express written consent.



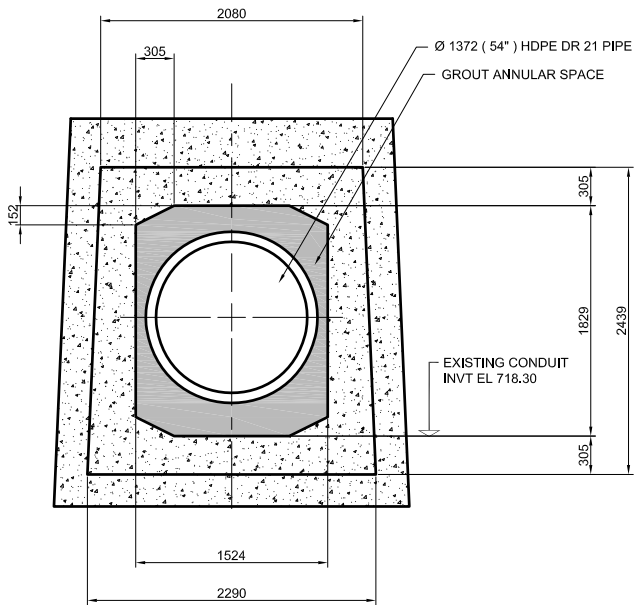
B ELEVATION
S-1001 Scale 1:30



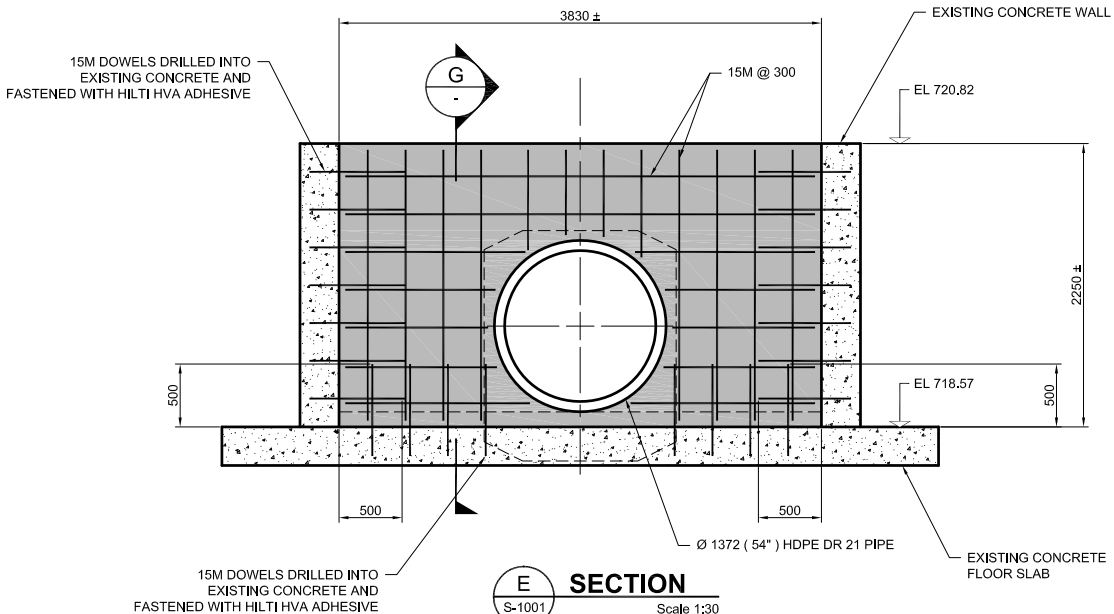
1 DETAIL
S-1001 Scale 1:30



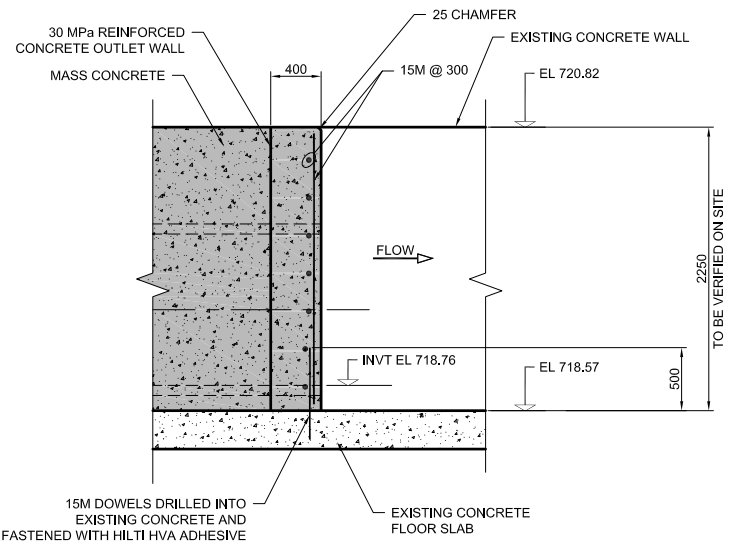
C SECTION
S-1001 Scale 1:30



D SECTION
S-1001 Scale 1:30



E SECTION
S-1001 Scale 1:30

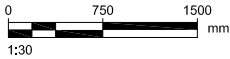


G SECTION
S-1001 Scale 1:30

NOTES

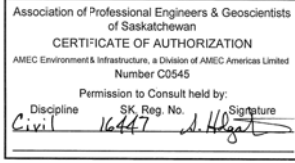
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS OTHERWISE INDICATED.
2. ALL ELEVATIONS ARE SHOWN IN METRES UNLESS OTHERWISE INDICATED.
3. CONCRETE
 - 3.1. STRUCTURAL: $f_c' = 30$ MPa
 - 3.2. MASS CONCRETE: $f_c' = 15$ MPa
4. REINFORCING: $f_y = 400$ MPa

Scale



This document may have been reduced. Do not scale this document. All measurements must be obtained from stated dimensions.

Professional Authentication



REV	YY	MM	DD	ISSUE/REVISION DESCRIPTION	DBV	SBH	SBH	HDM



Client
AGRICULTURE AND AGRI-FOOD CANADA
AAFC DRAWING NUMBER - 208926

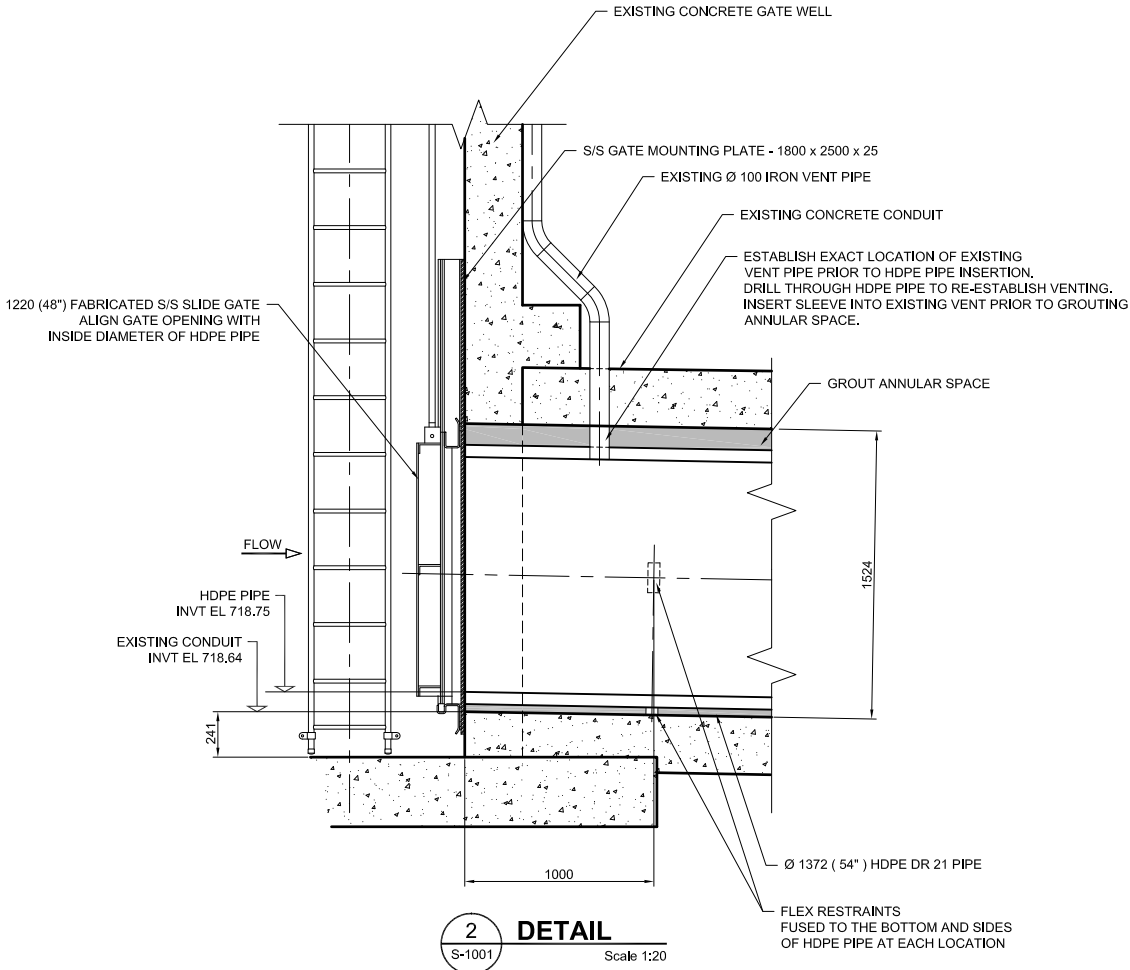
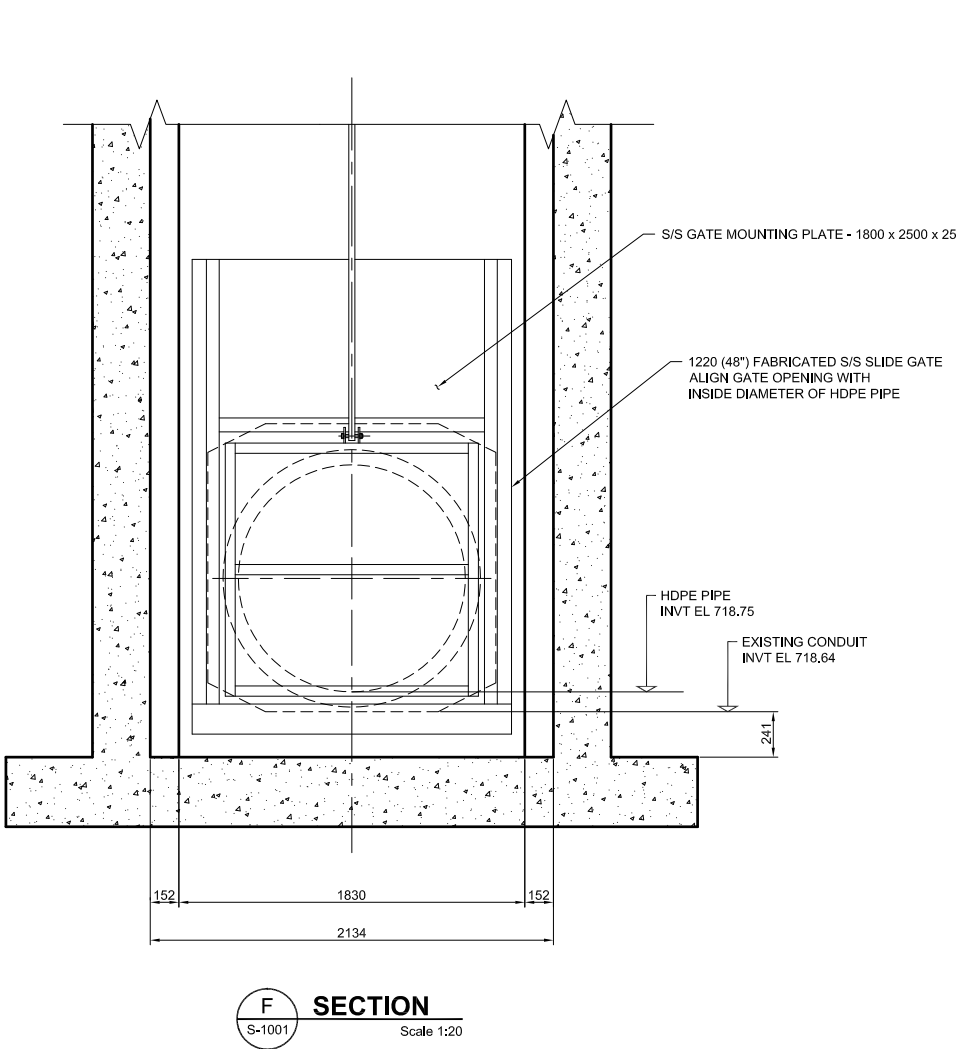
Project Name
**HIGHFIELD DAM
REHABILITATION OF WEST LOW LEVEL OUTLET**

Project Number
CW2184

Sheet Title
**WEST LOW LEVEL OUTLET STRUCTURE
ELEVATION, SECTIONS AND DETAIL**

Drawing Number
S-3001
Issue/Revision
A

File Name: P:\Water Resources\PROJECTS\CW2184_Highfield Dam\400 - Work In Progress\440 Water\445 CAD\1 Deliverables\1 Drawings\CW2184_DWG_01-S-3002.dwg Saved By: Varguz, Dale Plot Date: 14/07/14 11:42 AM
This drawing has been prepared for the use of AMEC's client and may not be used, reproduced or relied upon by third parties, except as agreed by AMEC and its client, as required by law or for use by governmental reviewing agencies. AMEC accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AMEC's express written consent.



NOTES

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS OTHERWISE INDICATED.
2. ALL ELEVATIONS ARE SHOWN IN METRES UNLESS OTHERWISE INDICATED.

Scale



This document may have been reduced. Do not scale this document. All measurements must be obtained from stated dimensions.

Professional Authentication

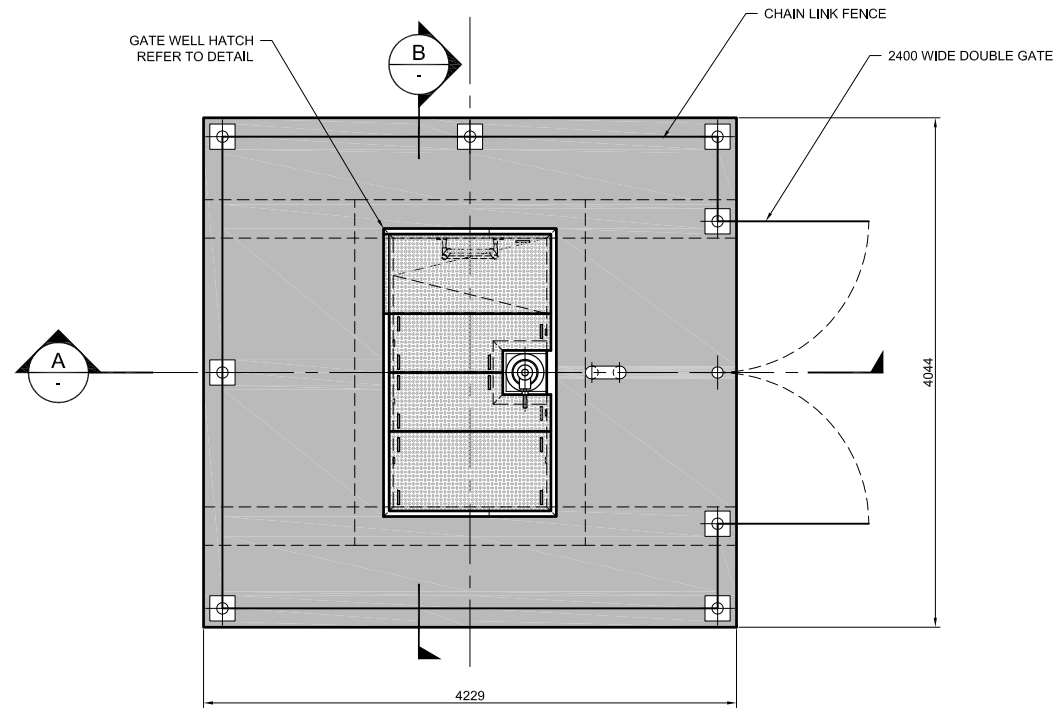


REV	YY	MM	DD	ISSUE/REVISION DESCRIPTION	DBV	SBH	SBH	HDM
A	14	07	14	ISSUED FOR TENDER				



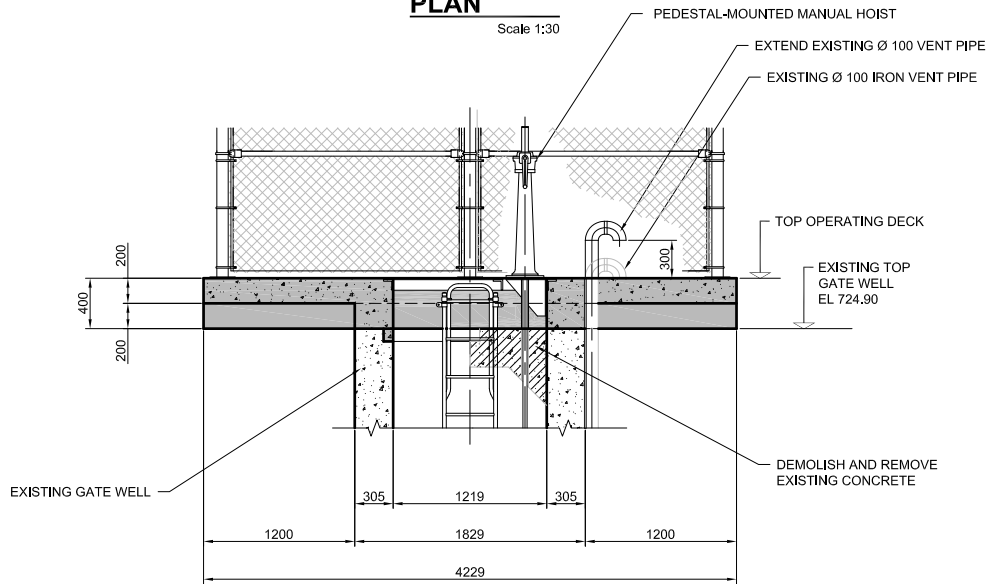
Client AGRICULTURE AND AGRI-FOOD CANADA AAFC DRAWING NUMBER - 208927			
Project Name HIGHFIELD DAM REHABILITATION OF WEST LOW LEVEL OUTLET		Project Number CW2184	
Sheet Title WEST LOW LEVEL OUTLET STRUCTURE SECTION AND DETAIL		Drawing Number S-3002	
		Issue/Revision A	

File Name: P:\Water Resources\PROJECTS\CW2184_Highfield Dam\400 - Work In Progress\440 Water\445 CAD\1 Deliverables\1 Drawings\CW2184_DWG_01-S-3003.dwg
Saved By: Varguz, Date: 14/07/14 3:52 PM
This drawing has been prepared for the use of AMEC's client and may not be used, reproduced or relied upon by third parties, except as agreed by AMEC and its client, as required by law or for use by governmental reviewing agencies. AMEC accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AMEC's express written consent.



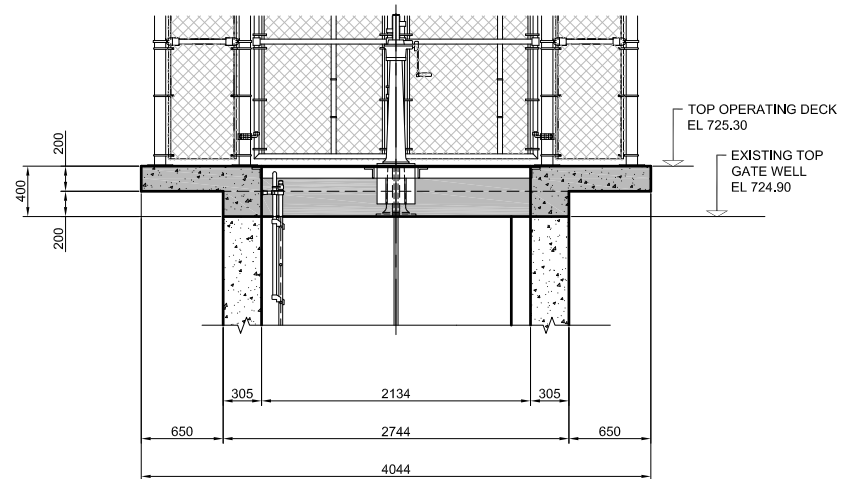
PLAN

Scale 1:30



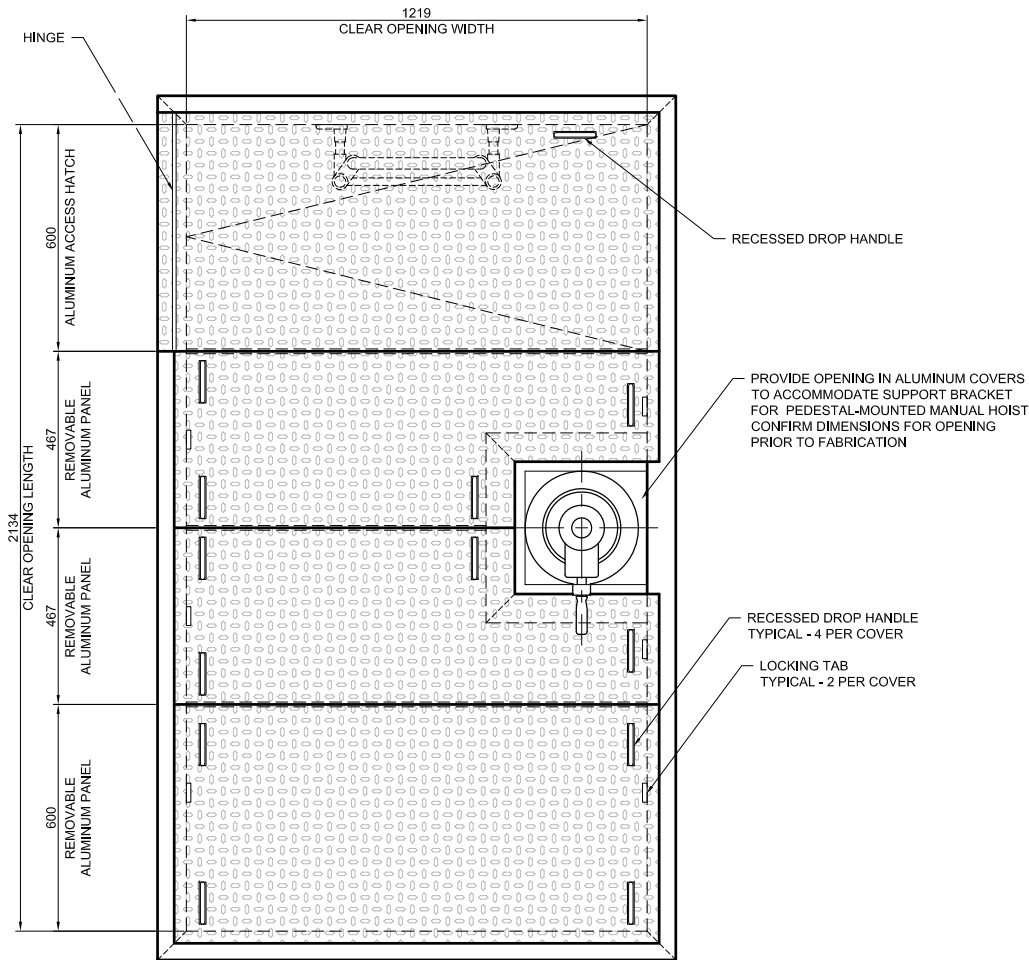
SECTION A-A

Scale 1:30



SECTION B-B

Scale 1:30



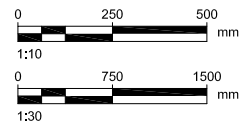
GATE WELL HATCH DETAIL

Scale 1:10

NOTES

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS OTHERWISE INDICATED.
2. ALL ELEVATIONS ARE SHOWN IN METRES UNLESS OTHERWISE INDICATED.
3. ACCESS HATCH AND REMOVABLE PANELS TO BE DESIGNED FOR 9.6 kPa UNIFORM LIVE LOAD WITH MAXIMUM DEFLECTION OF 4 mm.
4. PROVIDE 25 mm CHAMFER ON ALL EDGES AND CORNERS OF THE OPERATING DECK.

Scale



This document may have been reduced. Do not scale this document. All measurements must be obtained from stated dimensions.

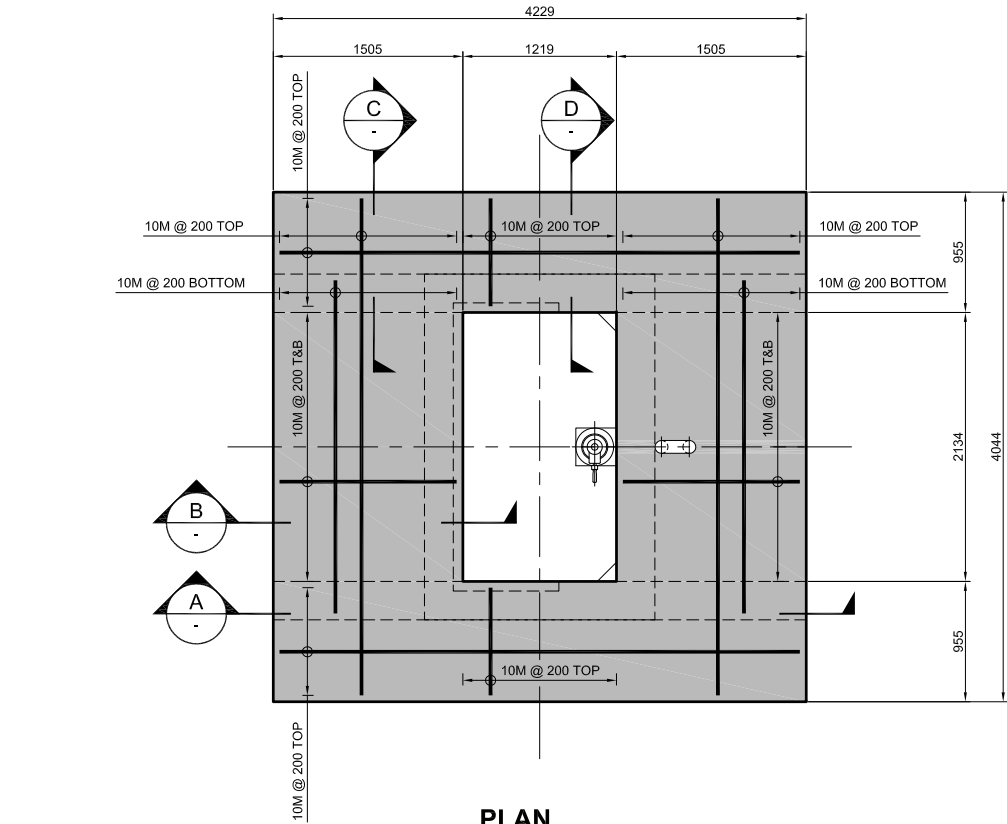
Professional Authentication



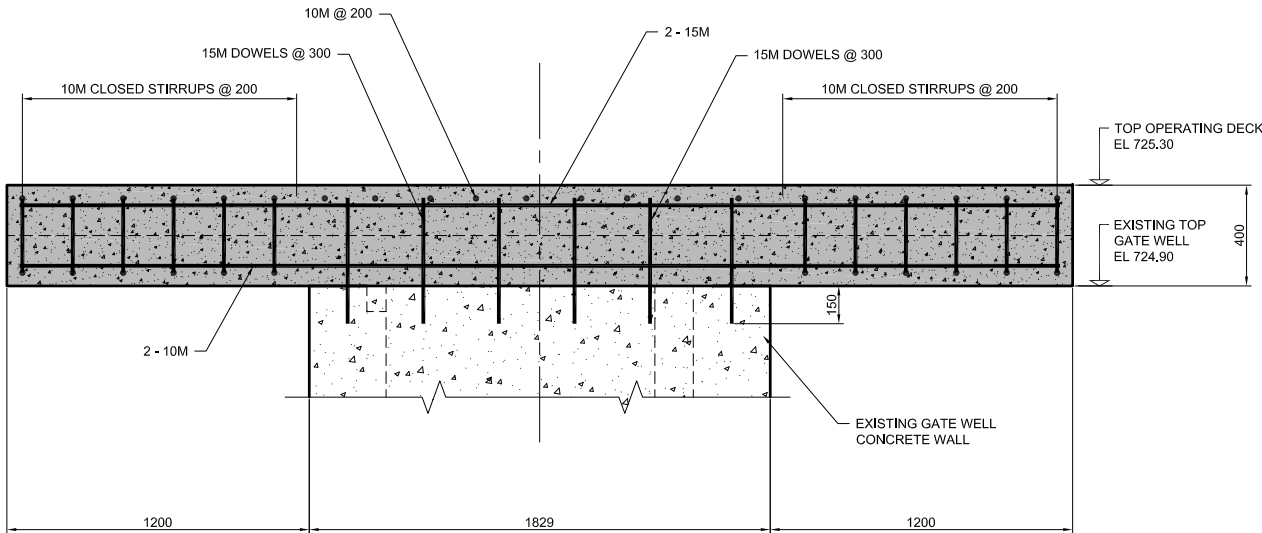
REV	YY	MM	DD	ISSUE/REVISION DESCRIPTION	DBV	SBH	SBH	HDM
A	14	07	14	ISSUED FOR TENDER				



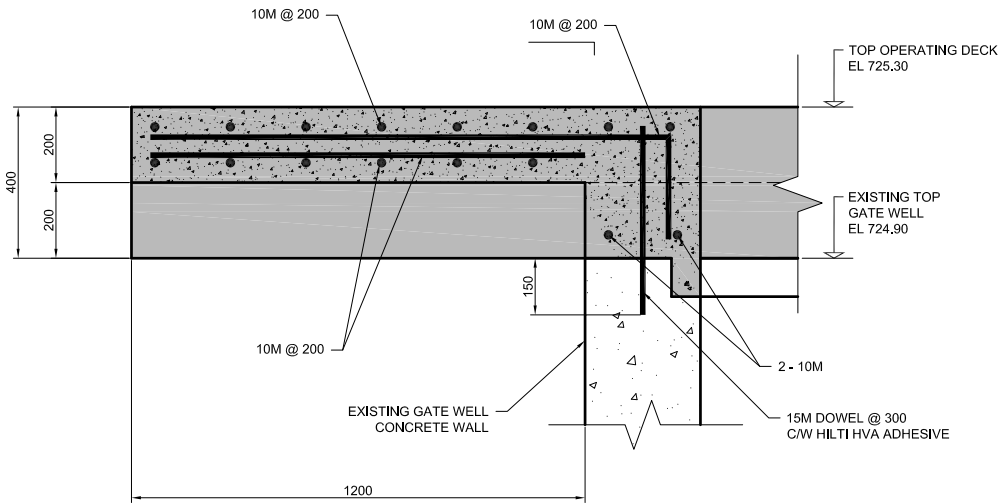
Client				AGRICULTURE AND AGRI-FOOD CANADA AAFC DRAWING NUMBER - 208928			
Project Name		HIGHFIELD DAM REHABILITATION OF WEST LOW LEVEL OUTLET		Project Number		CW2184	
Sheet Title		WEST LOW LEVEL OUTLET STRUCTURE OPERATING DECK		Drawing Number		S-3003	
				Issue/Revision		A	



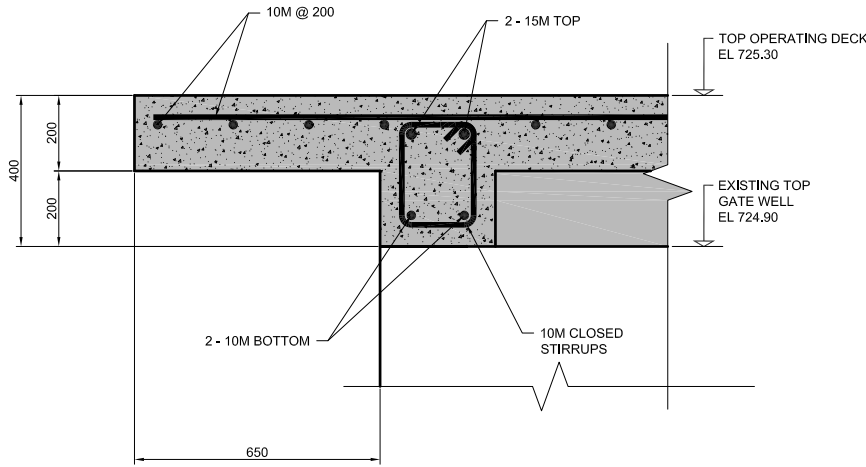
PLAN
Scale 1:30



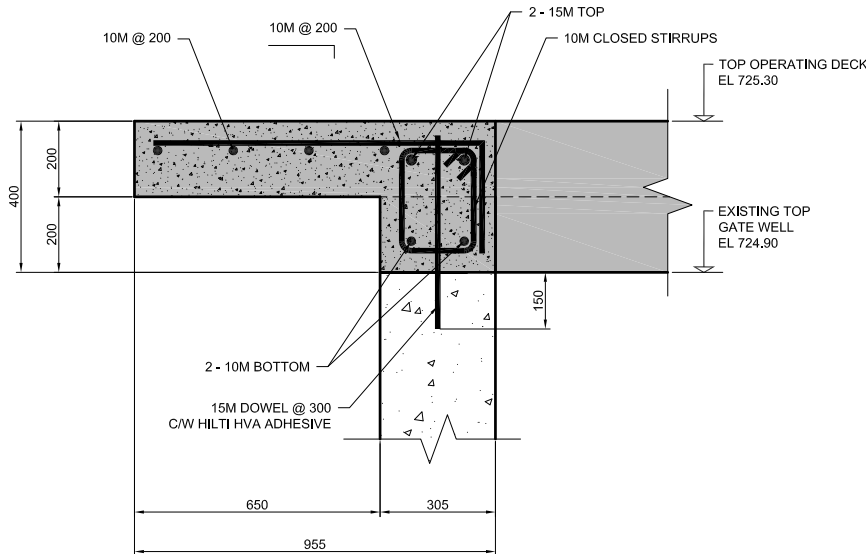
A SECTION
Scale 1:15



B SECTION
Scale 1:10



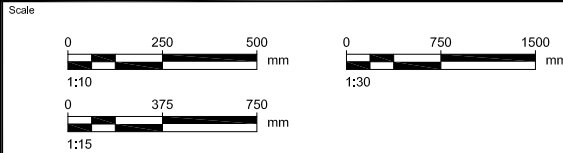
C SECTION
Scale 1:10



D SECTION
Scale 1:10

NOTES

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS OTHERWISE INDICATED.
2. ALL ELEVATIONS ARE SHOWN IN METRES UNLESS OTHERWISE INDICATED
3. STRUCTURAL CONCRETE
 - 3.1. COMPRESSIVE STRENGTH; $f_c' = 30$ MPa
 - 3.2. REINFORCING STEEL; $f_y = 400$ MPa
4. PROVIDE 25 mm CHAMFER ON ALL EDGES AND CORNERS OF THE OPERATING DECK.



This document may have been reduced. Do not scale this document. All measurements must be obtained from stated dimensions.

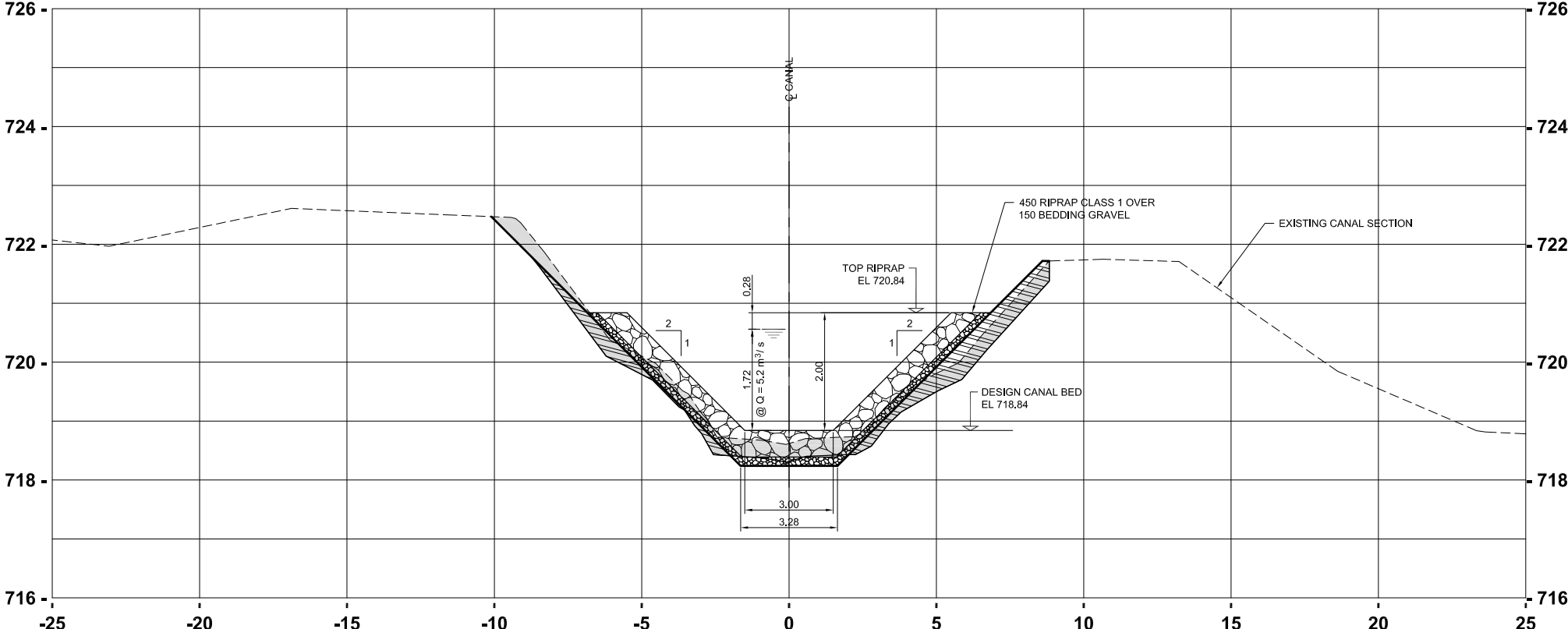
Professional Authentication



REV	YY	MM	DD	ISSUE/REVISION DESCRIPTION	DBV	SBH	SBH	HDM

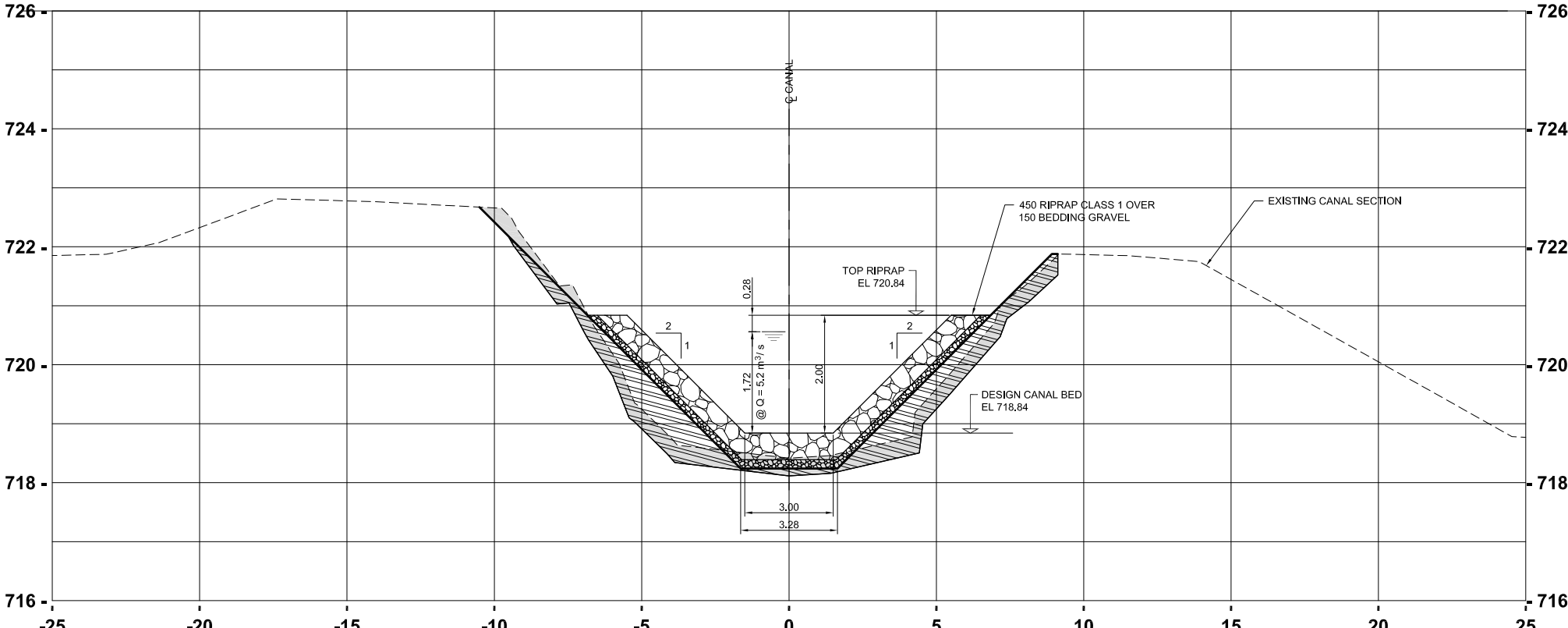


Client				AGRICULTURE AND AGRI-FOOD CANADA AAFC DRAWING NUMBER - 208929			
Project Name		HIGHFIELD DAM REHABILITATION OF WEST LOW LEVEL OUTLET		Project Number		CW2184	
Sheet Title		WEST LOW LEVEL OUTLET STRUCTURE OPERATING DECK REINFORCING		Drawing Number		S-3004	
				Issue/Revision		A	



CANAL SECTION - STA 0+005

Scale H = 1:200 V = 1:100



CANAL SECTION - STA 0+025

LEGEND



PITRUN GRAVEL

NOTES

1. ALL CANAL CROSS SECTIONS ARE DRAWN LOOKING DOWNSTREAM.
2. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE INDICATED.
3. ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE INDICATED.

ica



This document may have been reduced. Do not scale this document. All measurements must be obtained from stated dimensions.

Professional Authentication



A	14	07	14	ISSUED FOR TENDER											DBV	SBH	SBH	HDM	
REV	YY	MM	DD	ISSUE/REVISION DESCRIPTION											DRN	CHK	DES	REV	



Cite

AGRICULTURE AND AGRI-FOOD CANADA
AAFC DRAWING NUMBER - 208930

Project Name

HIGHFIELD DAM REHABILITATION OF WEST LOW LEVEL OUTLET

Sheet Title

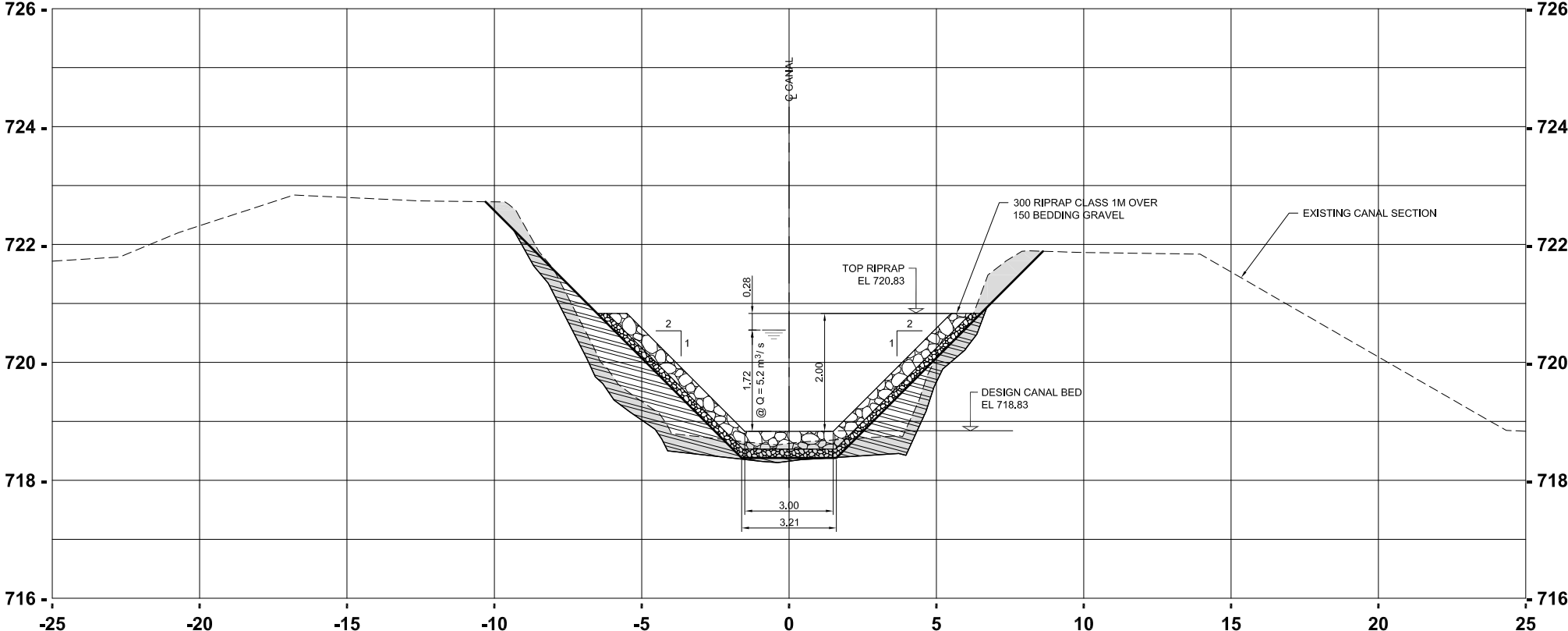
HERBERT MAIN CANAL REHABILITATION
TYPICAL CANAL SECTIONS
STA 0+005 AND STA 0+025

Project M

Drawing

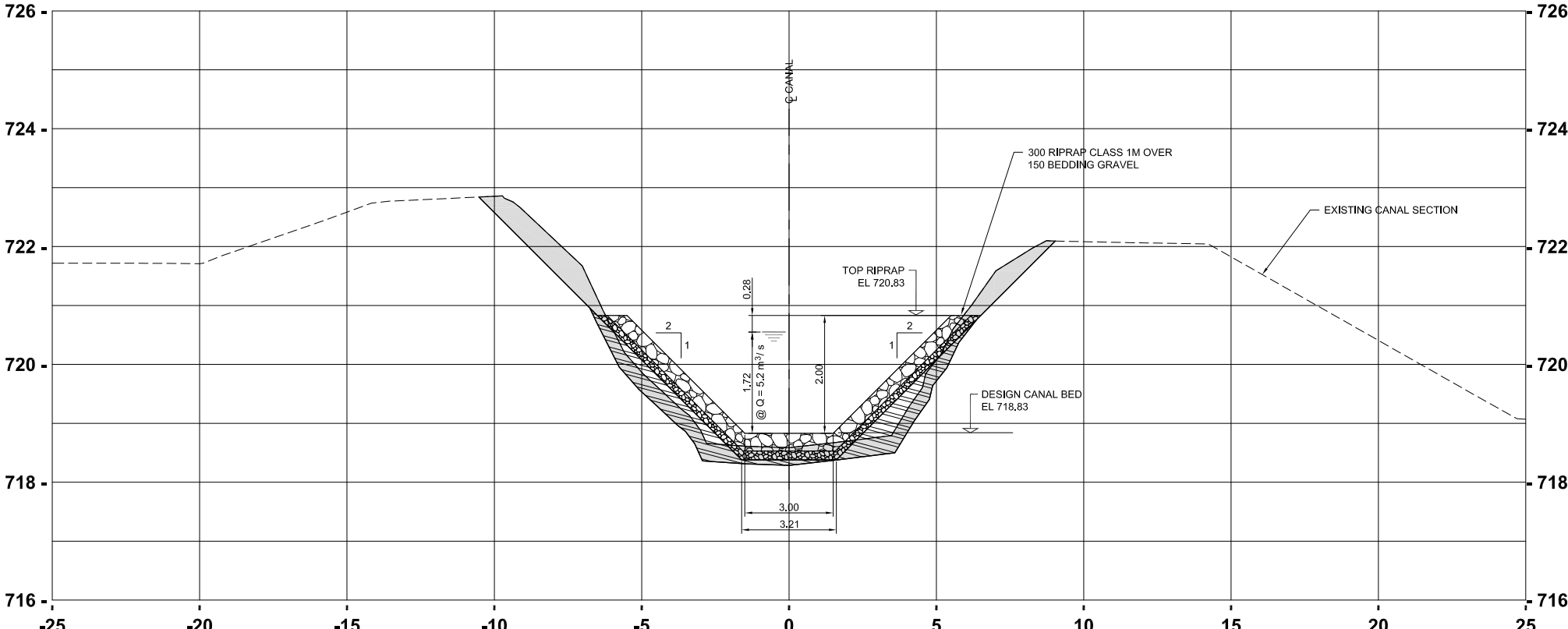
Issue/Re

A



CANAL SECTION - STA 0+035

Scale H = 1:200 V = 1:100



CANAL SECTION - STA 0+050

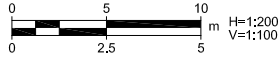
LEGEND



NOTES

1. ALL CANAL CROSS SECTIONS ARE DRAWN LOOKING DOWNSTREAM.
2. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE INDICATED.
3. ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE INDICATED.

Scal



This document may have been reduced. Do not scale this document. All measurements must be obtained from stated dimensions.

Professional Authentication



A	14	07	14	ISSUED FOR TENDER							DBV	SBH	SBH	HDM
REV	YY	MM	DD	ISSUE/REVISION DESCRIPTION							DRN	CHK	DES	REV



Ciler

AGRICULTURE AND AGRI-FOOD CANADA
AAFC DRAWING NUMBER - 208931

Project Name

Project Name HIGHFIELD DAM
REHABILITATION OF WEST LOW LEVEL OUTLET

Sheet Title

HERBERT MAIN CANAL REHABILITATION
TYPICAL CANAL SECTIONS
STA 0+035 AND STA 0+050

Project Number

Drawing Number

Issue/Revision

A