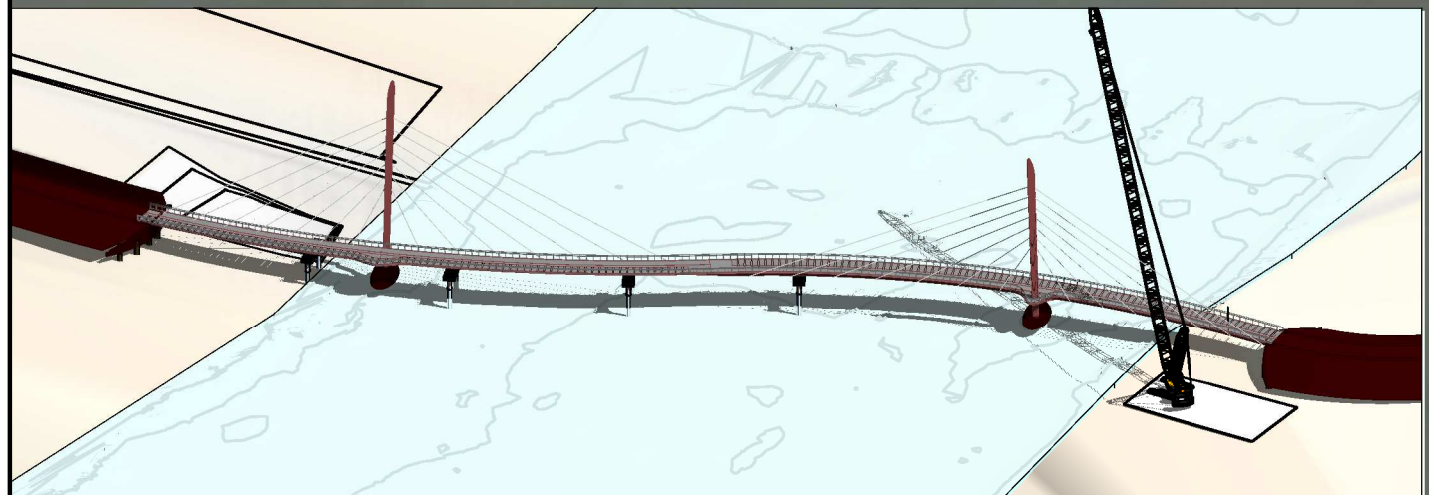


NOTE: MCBTP1, MCBTP2, ETC... DENOTE TEMPORARY PORTAL FRAMES FOR THE INSTALLATION OF BRIDGE DECKS. REFER TO DWG S400 FOR DETAILS.



1 McCALLUM PARK BRIDGE TEMPORARY WORKS LAYOUT PLAN

S200 SCALE: 1:1000

NOT FOR CONSTRUCTION PRINT IN COLOUR

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

ISSUE	DATE	DESCRIPTION	BY
C	09-11-21	VARIOUS AMENDMENTS	DMM
B	20-10-21	VARIOUS AMENDMENTS	DMM
A	07-10-21	ISSUED FOR APPROVAL	DMM
AMENDMENTS			

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 Tel. +617 3393 9447
 email: admin@fsace.com.au
 website: www.fsace.com.au

CLIENT:
SEYMOUR WHYTE
CIVMEC

PROJECT:
 PERTH CAUSEWAY PEDESTRIAN AND CYCLIST BRIDGE TEMPORARY WORKS DESIGN
 POINT FRASER TO MCCALLUM PARK
 PROJECT REFERENCE No.: FS3196A

APPROVED BY:
 RPEQ: _____
 CPEng NPER
 DATE: _____

SHEET CONTENTS:
 McCALLUM PARK BRIDGE BR 9505 TEMPORARY WORKS LAYOUT PLAN

DRAWN: DMM	DATE: 07-10-21	Q.A. CHECK: WSBL	DATE: 09-11-21	SCALE: 1:1000
DESIGNED: ARV	DWG No.: FS3196A - S200	ISSUE TYPE: APPROVAL		

SHEET SIZE: A3
 ISSUE: C

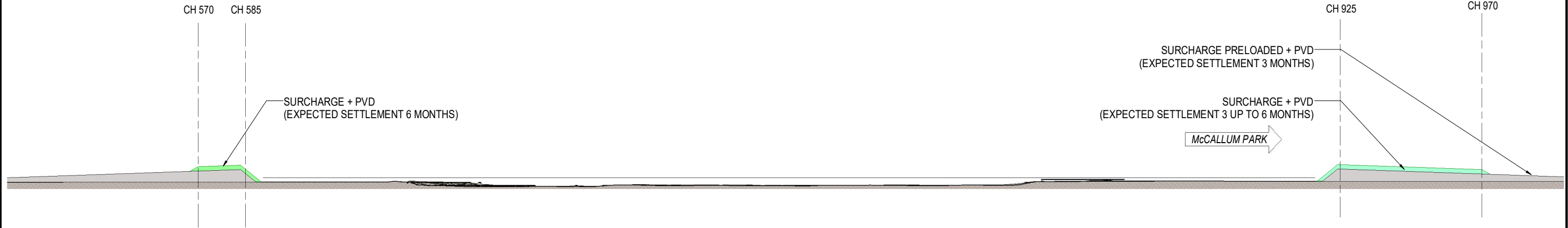
STAGE 1:

McCALLUM PARK BRIDGE

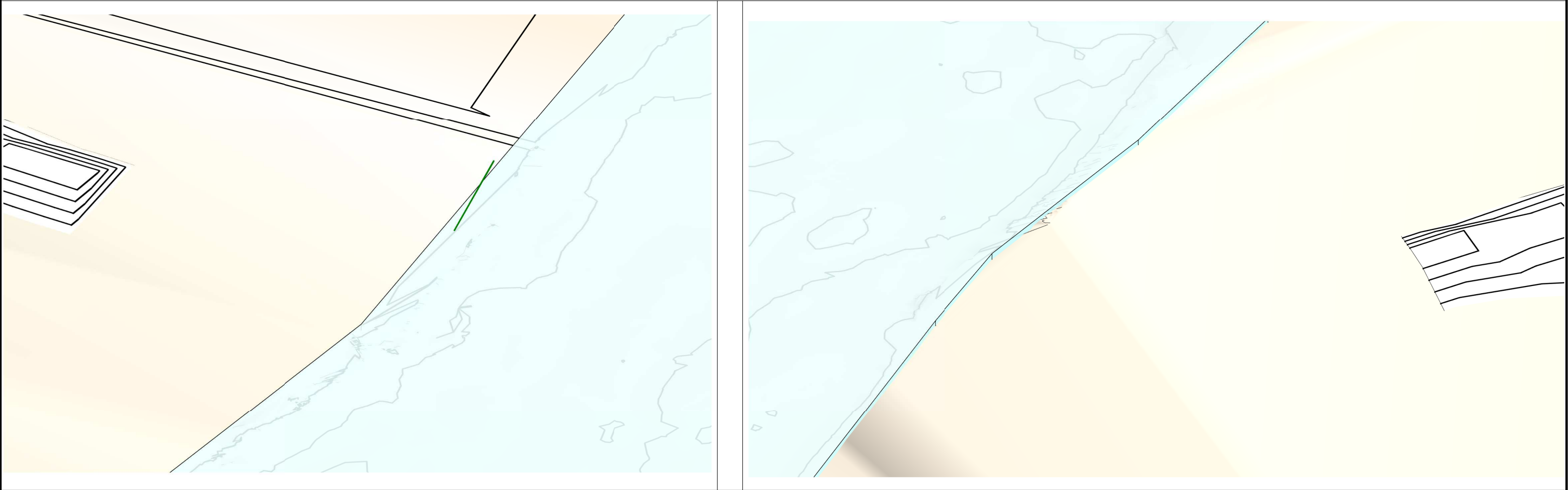
- a. SERVICES PROTECTION / RELOCATION WORKS
- b. EMBANKMENTS FILL AND SURCHARGE + PVD

POINT FRASER BRIDGE

REFER SHEET S301



1 STAGE 1 SECTION
S201 SCALE: 1 : 1250



2 STAGE 1 3D VIEW
S201 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

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ISSUE	DATE	DESCRIPTION	BY
C	09-11-21	VARIOUS AMENDMENTS	DMM
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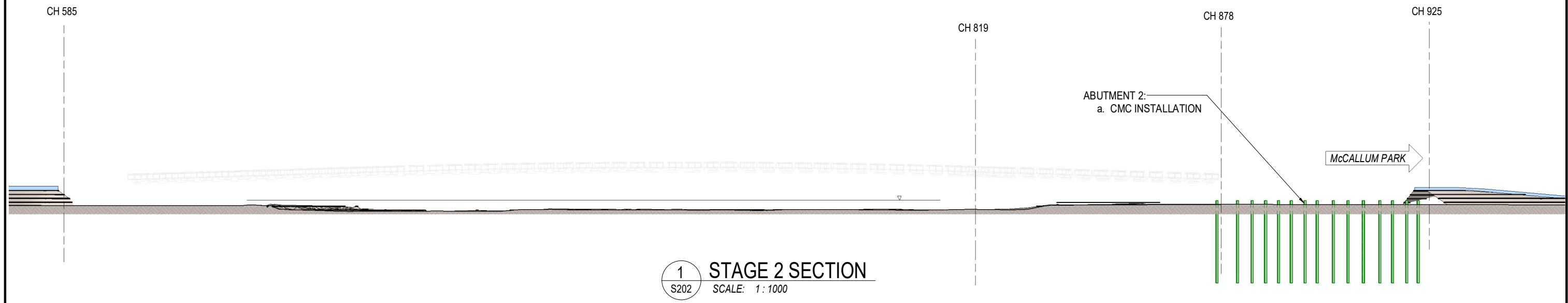
PROJECT:
PERTH CAUSEWAY PEDESTRIAN AND
CYCLIST BRIDGE TEMPORARY
WORKS DESIGN
POINT FRASER TO MCCALLUM PARK
PROJECT REFERENCE No.: FS3196A

APPROVED BY:
RPEQ: _____
CPEng NPER
DATE: _____

SHEET CONTENTS:
McCALLUM PARK BRIDGE BR 9505
INSTALLATION SEQUENCE
STAGE 1
DRAWN: DMM DATE: _____ Q.A. CHECK: WSBL DATE: 09-11-21 SCALE: As indicated
DESIGNED: ARV DWG No.: FS3196A - S201 ISSUE TYPE: APPROVAL

SHEET SIZE:
A3
ISSUE:
C

STAGE 2:	
McCALLUM PARK BRIDGE	POINT FRASER BRIDGE
a. ABUTMENT 2 - CMC	NO ACTIVITY



NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

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C	09-11-21	VARIOUS AMENDMENTS	DMM
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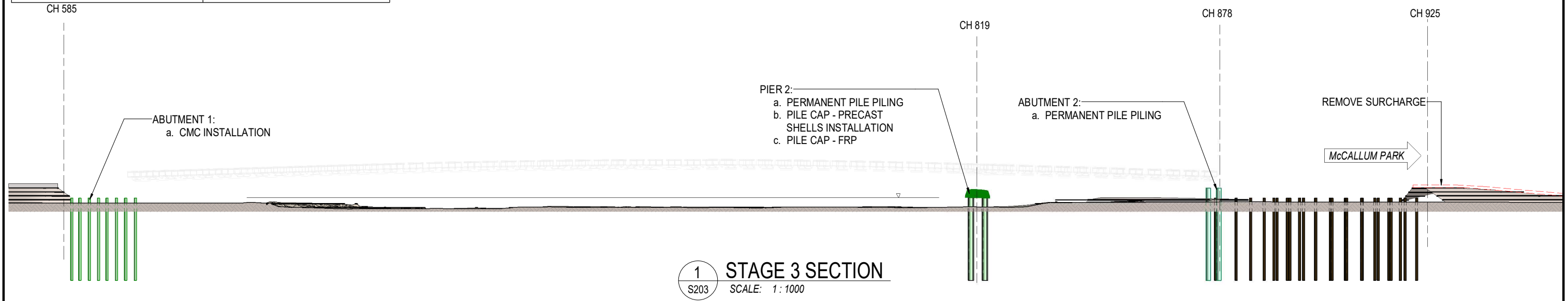
PROJECT:
 PERTH CAUSEWAY PEDESTRIAN AND
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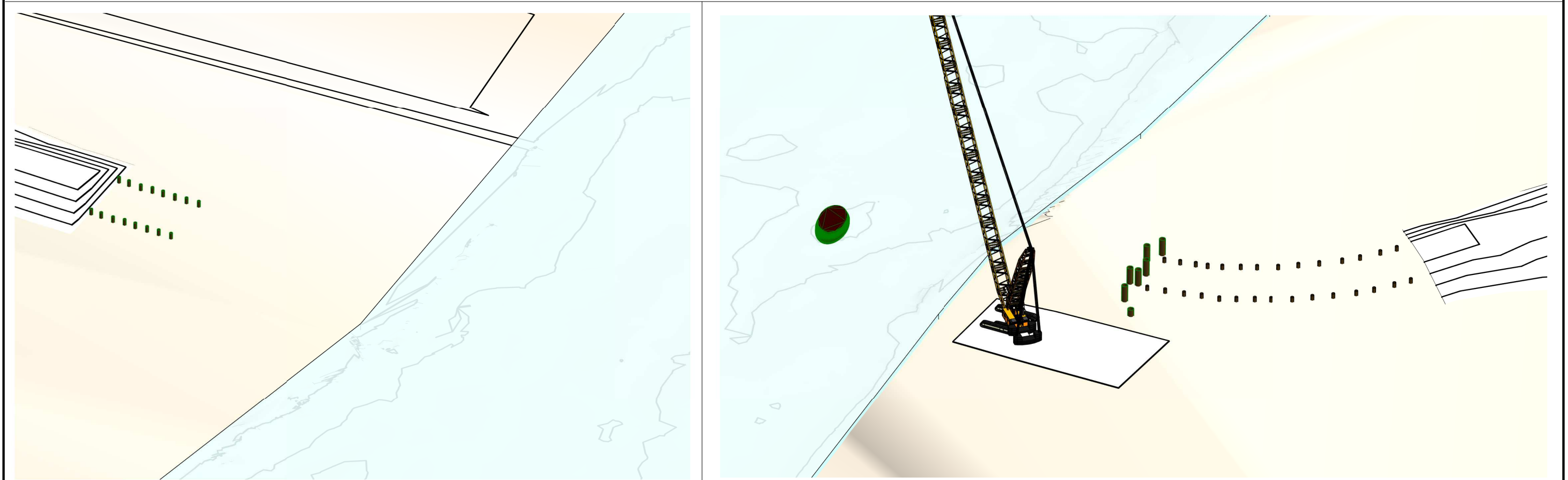
SHEET CONTENTS:
 McCALLUM PARK BRIDGE BR 9505
 INSTALLATION SEQUENCE
 STAGE 2

DRAWN: DMM	DATE: 07-10-21	Q.A. CHECK: WSBL	DATE: 09-11-21	SCALE: As indicated	ISSUE: A3
DESIGNED: ARV	DWG No.: FS3196A - S202	ISSUE TYPE: APPROVAL	C		

STAGE 3:	
McCALLUM PARK BRIDGE	POINT FRASER BRIDGE
a. PIER 2 PILING AND FRP b. ABUTMENT 1 - CMC	NO ACTIVITY



1 **STAGE 3 SECTION**
S203 SCALE: 1 : 1000



2 **STAGE 3 3D VIEW**
S203 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

ISSUE	DATE	DESCRIPTION	BY
C	09-11-21	VARIOUS AMENDMENTS	DMM
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PROJECT:
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WORKS DESIGN
POINT FRASER TO McCALLUM PARK

PROJECT REFERENCE No.: FS3196A

APPROVED BY:

RPEQ: _____
CPEng NPER
DATE: _____

SHEET CONTENTS:
McCALLUM PARK BRIDGE BR 9505
INSTALLATION SEQUENCE
STAGE 3

DRAWN: DMM	DATE:	Q.A. CHECK: WSBL	DATE: 09-11-21	SCALE: As indicated
DESIGNED: ARV	DWG No.: FS3196A - S203	ISSUE TYPE: APPROVAL		

SHEET SIZE: A3
ISSUE: C

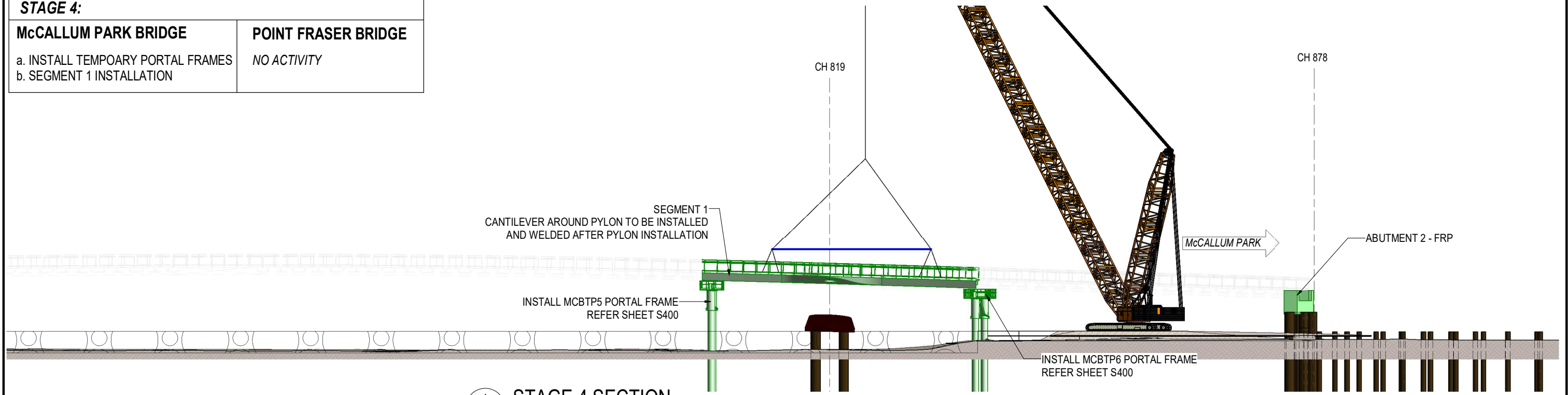
STAGE 4:

McCALLUM PARK BRIDGE

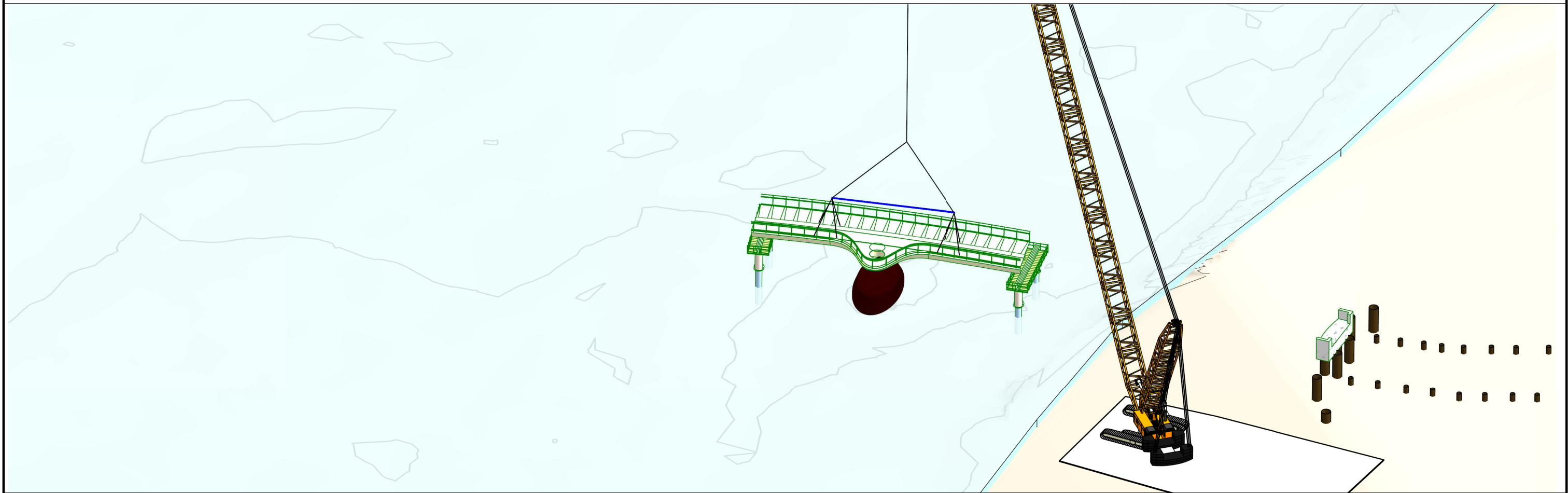
- a. INSTALL TEMPOARY PORTAL FRAMES
- b. SEGMENT 1 INSTALLATION

POINT FRASER BRIDGE

NO ACTIVITY



1 STAGE 4 SECTION
S204 SCALE: 1 : 500



2 STAGE 4 3D VIEW
S204 SCALE:

NOT FOR CONSTRUCTION PRINT IN COLOUR

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

ISSUE	DATE	DESCRIPTION	BY
C	09-11-21	VARIOUS AMENDMENTS	DMM
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A	12-10-21	ISSUED FOR APPROVAL	DMM
AMENDMENTS			



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PROJECT:
PERTH CAUSEWAY PEDESTRIAN AND
CYCLIST BRIDGE TEMPORARY
WORKS DESIGN
POINT FRASER TO MCCALLUM PARK

PROJECT REFERENCE No.: FS3196A

APPROVED BY:

RPEQ: _____
CPEng NPER _____
DATE: _____

SHEET CONTENTS:					
McCALLUM PARK BRIDGE BR 9505 INSTALLATION SEQUENCE STAGE 4					
DRAWN: DMM	DATE: 07-10-21	Q.A. CHECK: WSBL	DATE: 09-11-21	SCALE: As indicated	ISSUE: C
DESIGNED: ARV	DWG No.: FS3196A - S204	ISSUE TYPE: APPROVAL			

SHEET SIZE:
A3

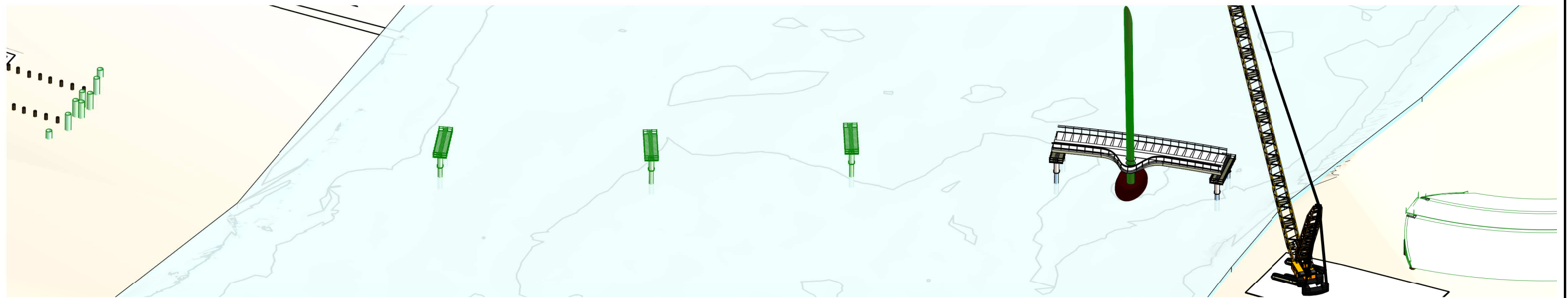
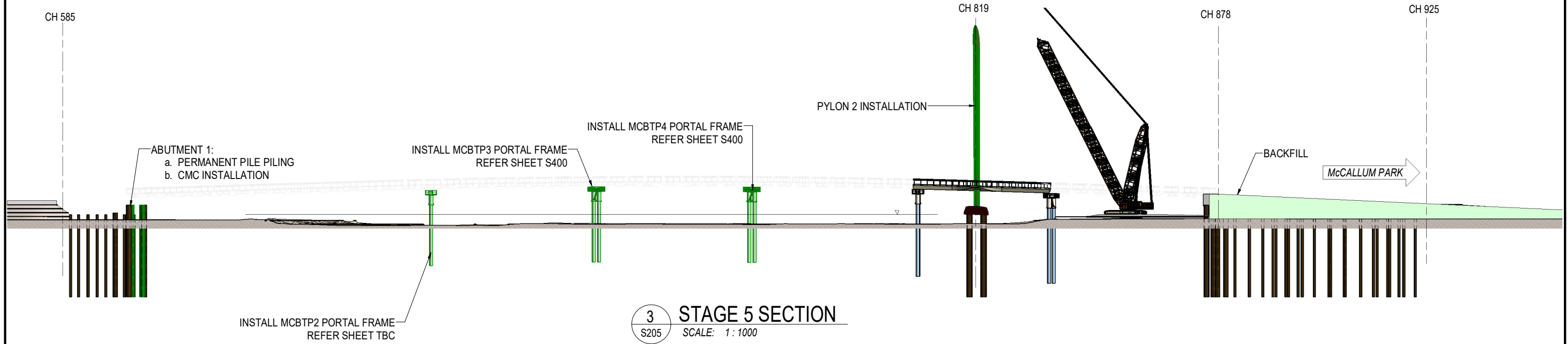
STAGE 5:

McCALLUM PARK BRIDGE

- a. PYLON 2 INSTALLATION
- b. TEMPORARY PIERS IN RIVER
- c. ABUTMENT 1 PILING

POINT FRASER BRIDGE

NO ACTIVITY



NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

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<p>FSA CONSULTING ENGINEERS P/L commercial residential marine Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173</p>				<p>CLIENT:</p>		<p>PROJECT:</p> <p>PERTH CAUSEWAY PEDESTRIAN AND CYCLIST BRIDGE TEMPORARY WORKS DESIGN POINT FRASER TO MCCALLUM PARK</p> <p>PROJECT REFERENCE No.: FS3196A</p>		<p>APPROVED BY:</p> <p>RPEQ: _____ CPEng NPER _____ DATE: _____</p>		<p>SHEET CONTENTS:</p> <p>MCCALLUM PARK BRIDGE BR 9505 INSTALLATION SEQUENCE STAGE 5</p>			<p>SHEET SIZE: A3</p>																													
<table border="1"> <thead> <tr> <th>ISSUE</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>C</td> <td>09-11-21</td> <td>VARIOUS AMENDMENTS</td> <td>DMM</td> </tr> <tr> <td>B</td> <td>20-10-21</td> <td>VARIOUS AMENDMENTS</td> <td>DMM</td> </tr> <tr> <td>A</td> <td>08-10-21</td> <td>ISSUED FOR APPROVAL</td> <td>DMM</td> </tr> <tr> <td colspan="4">AMENDMENTS</td> </tr> </tbody> </table>	ISSUE	DATE	DESCRIPTION	BY	C	09-11-21	VARIOUS AMENDMENTS	DMM	B	20-10-21	VARIOUS AMENDMENTS	DMM	A	08-10-21	ISSUED FOR APPROVAL	DMM	AMENDMENTS				<table border="1"> <thead> <tr> <th>DESIGNED:</th> <th>DATE:</th> <th>Q.A. CHECK:</th> <th>DATE:</th> <th>SCALE:</th> </tr> </thead> <tbody> <tr> <td>DMM</td> <td>08-10-21</td> <td>WSBL</td> <td>09-11-21</td> <td>As indicated</td> </tr> <tr> <td>ARV</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	DESIGNED:	DATE:	Q.A. CHECK:	DATE:	SCALE:	DMM	08-10-21	WSBL	09-11-21	As indicated	ARV					<table border="1"> <thead> <tr> <th>ISSUE:</th> </tr> </thead> <tbody> <tr> <td>C</td> </tr> </tbody> </table>	ISSUE:	C	<table border="1"> <thead> <tr> <th>ISSUE TYPE:</th> </tr> </thead> <tbody> <tr> <td>APPROVAL</td> </tr> </tbody> </table>	ISSUE TYPE:	APPROVAL
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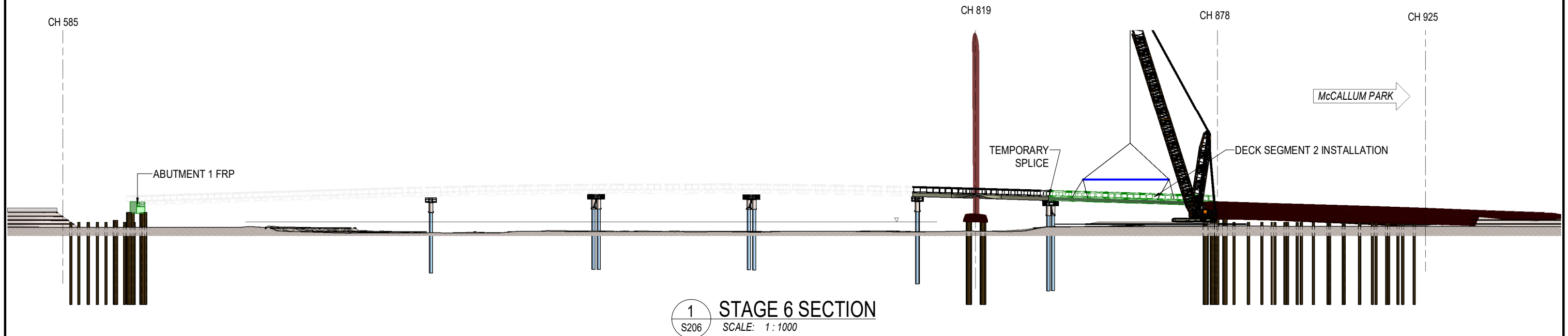
STAGE 6:

McCALLUM PARK BRIDGE

- a. DECK SEGMENT 2 INSTALLATION
- b. ABUTMENT 1 FRP

POINT FRASER BRIDGE

OPPORTUNITY PILING -
ABUTMENT 2 (PRIOR TO CMC)
REFER SHEET S302



NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

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DESIGNED: ARV	DWG No.: FS3196A - S206	ISSUE TYPE: APPROVAL																																											

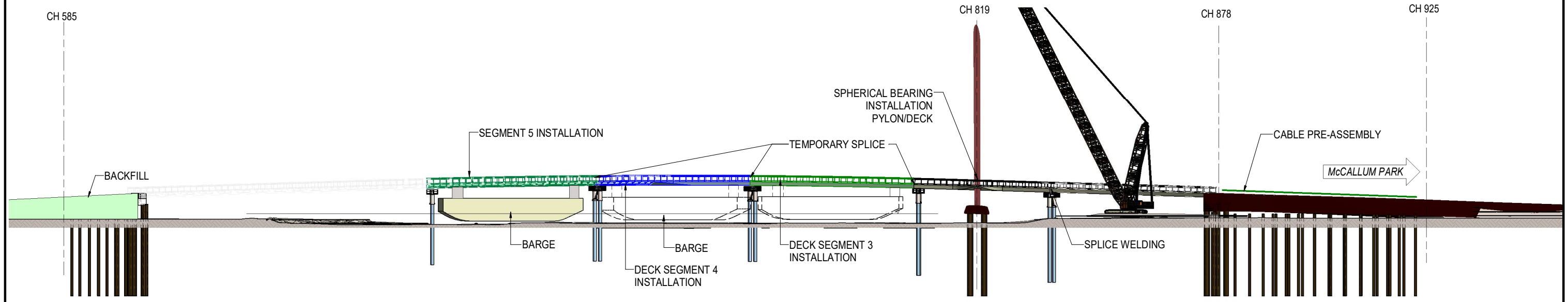
STAGE 7:

McCALLUM PARK BRIDGE

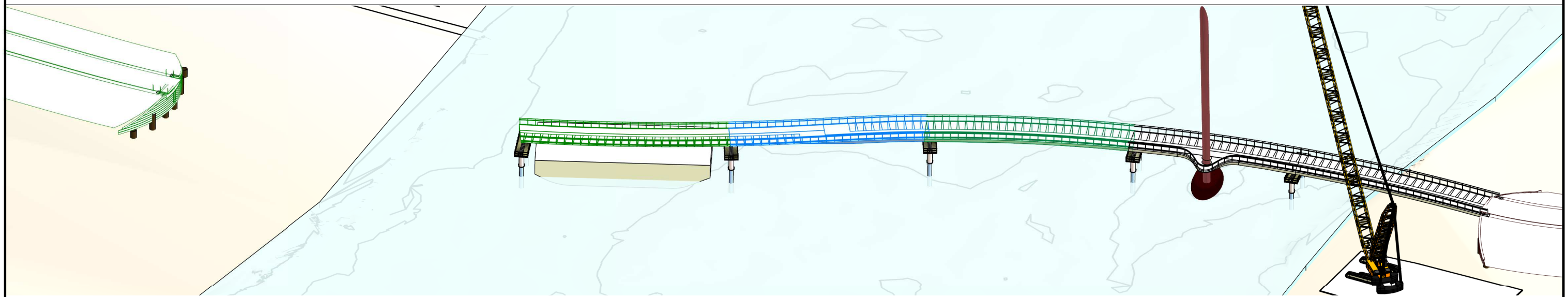
- a. DECK SEGMENT 3 INSTALLATION WITH BARGE
- b. DECK SEGMENT 4 INSTALLATION WITH BARGE
- c. DECK SEGMENT 5 INSTALLATION WITH BARGE
- d. BACKFILL ABUTMENT 1
- e. PERMANENT SPLICE WELDING SEGMENTS 1/2

POINT FRASER BRIDGE

NO ACTIVITY



1 STAGE 7 SECTION
S207 SCALE: 1:1000



2 STAGE 7 3D VIEW
S207 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

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D	10-11-21	VARIOUS AMENDMENTS	DMM
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PROJECT:
PERTH CAUSEWAY PEDESTRIAN AND
CYCLIST BRIDGE TEMPORARY
WORKS DESIGN
POINT FRASER TO McCALLUM PARK

PROJECT REFERENCE No.: FS3196A

APPROVED BY:

RPEQ: _____
CPEng NPER
DATE: _____

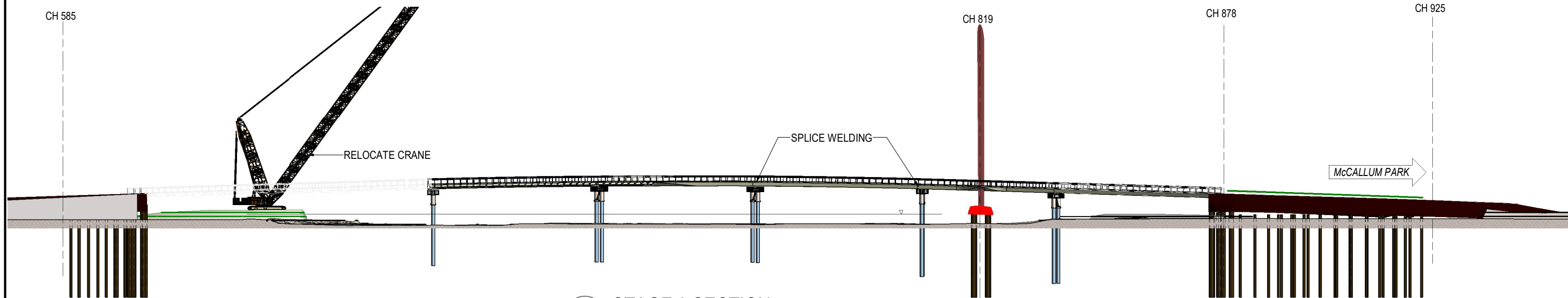
SHEET CONTENTS:
McCALLUM PARK BRIDGE BR 9505
INSTALLATION SEQUENCE
STAGE 7

DRAWN: DMM	DATE: 08-10-21	Q.A. CHECK: WBSL	DATE: 10-11-21	SCALE: As indicated
DESIGNED: ARV	DWG No.: FS3196A - S207	ISSUE TYPE: APPROVAL		

SHEET SIZE:
A3

ISSUE:
D

STAGE 8:	
McCALLUM PARK BRIDGE	POINT FRASER BRIDGE
a. REMOVE AND RELOCATE CRANE FOR PYLON 1 WORKS	NO ACTIVITY
b. PERMANENT SPLICE WELDING SEGMENTS 1/3/4/5	



1 STAGE 8 SECTION
S208 SCALE: 1:1000



2 STAGE 8 3D VIEW
S208 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

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D	10-11-21	VARIOUS AMENDMENTS	DMM
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PROJECT:
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WORKS DESIGN
POINT FRASER TO MCCALLUM PARK

PROJECT REFERENCE No.: FS3196A

APPROVED BY:

RPEQ: _____
CPEng NPER
DATE: _____

SHEET CONTENTS:
McCALLUM PARK BRIDGE BR 9505
INSTALLATION SEQUENCE
STAGE 8

DRAWN: DMM	DATE: 08-10-21	Q.A. CHECK: WSBL	DATE: 10-11-21	SCALE: As indicated	ISSUE: D
DESIGNED: ARV	DWG No.: FS3196A - S208	ISSUE TYPE: APPROVAL			

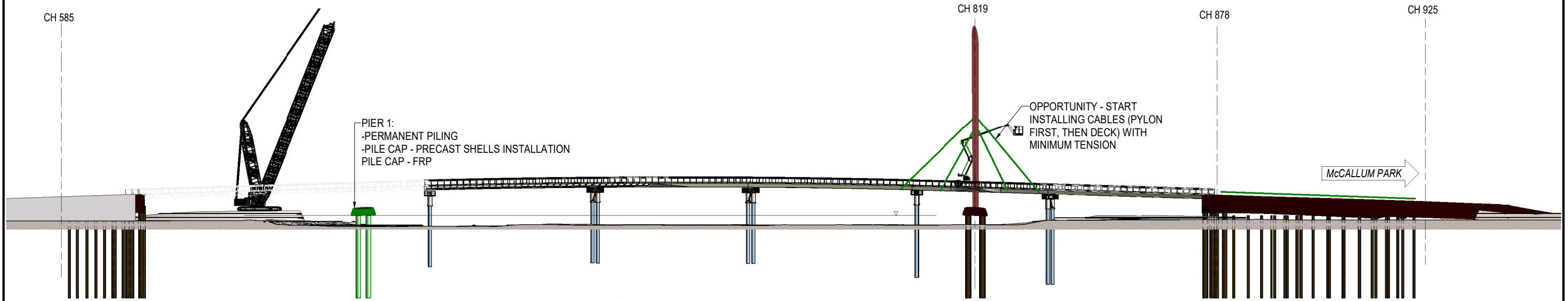
STAGE 9:

McCALLUM PARK BRIDGE

- a. PIER 1 PILING AND FRP
- b. START CABLES INSTALLATION PYLON 2 (MINIMAL TENSION)

POINT FRASER BRIDGE

NO ACTIVITY



1 STAGE 9 SECTION
S209 SCALE: 1:1000



2 STAGE 9 3D VIEW
S209 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

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POINT FRASER TO MCCALLUM PARK

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APPROVED BY:

RPEQ: _____
CPEng NPER
DATE: _____

SHEET CONTENTS:
McCALLUM PARK BRIDGE BR 9505
INSTALLATION SEQUENCE
STAGE 9

DRAWN: DMM	DATE: 08-10-21	Q.A. CHECK: WSBL	DATE: 09-11-21	SCALE: As indicated
DESIGNED: ARV	DWG No.: FS3196A - S209	ISSUE TYPE: APPROVAL		

SHEET SIZE:
A3

ISSUE:
C

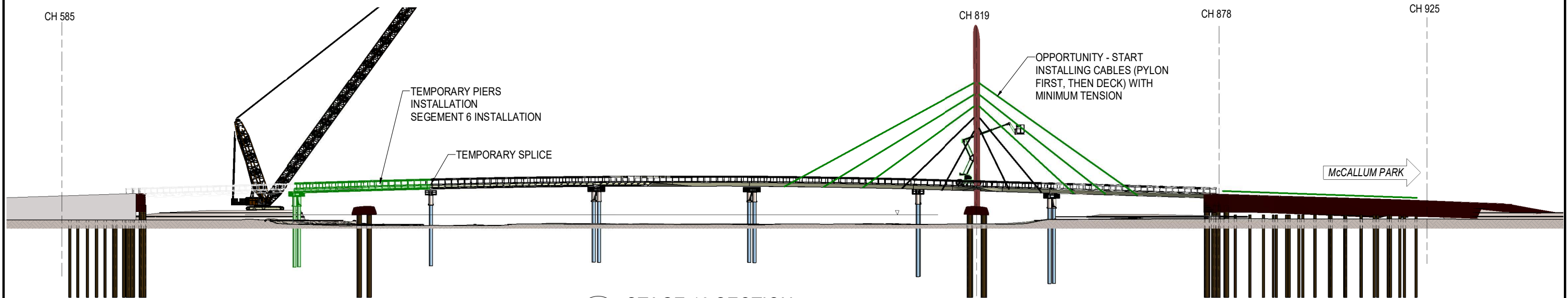
STAGE 10:

McCALLUM PARK BRIDGE

- a. SEGMENT 6 INSTALLATION
- b. PYLON 2 - CABLES INSTALLATION; SYMMETRICAL STARTING FROM POINT FRASER

POINT FRASER BRIDGE

REFER SHEET S303



1 STAGE 10 SECTION
S210 SCALE: 1:1000



2 STAGE 10 3D VIEW
S210 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

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WORKS DESIGN
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RPEQ: _____
CPEng NPER
DATE: _____

SHEET CONTENTS:
McCALLUM PARK BRIDGE BR 9505
INSTALLATION SEQUENCE
STAGE 10

SCALE: As indicated

ISSUE TYPE: APPROVAL

SHEET SIZE:
A3

ISSUE:
C

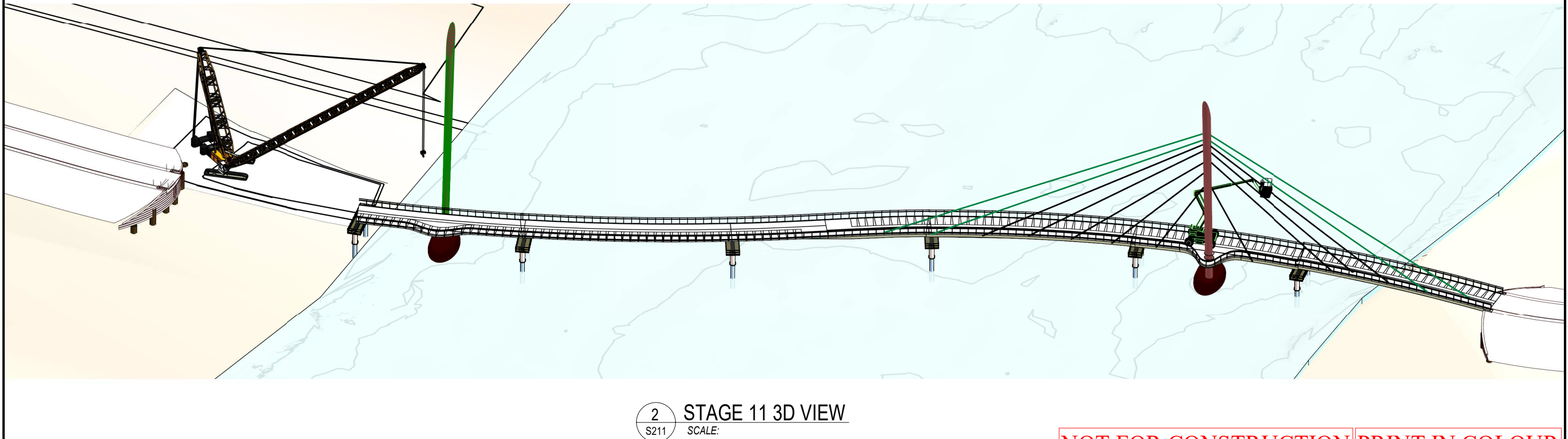
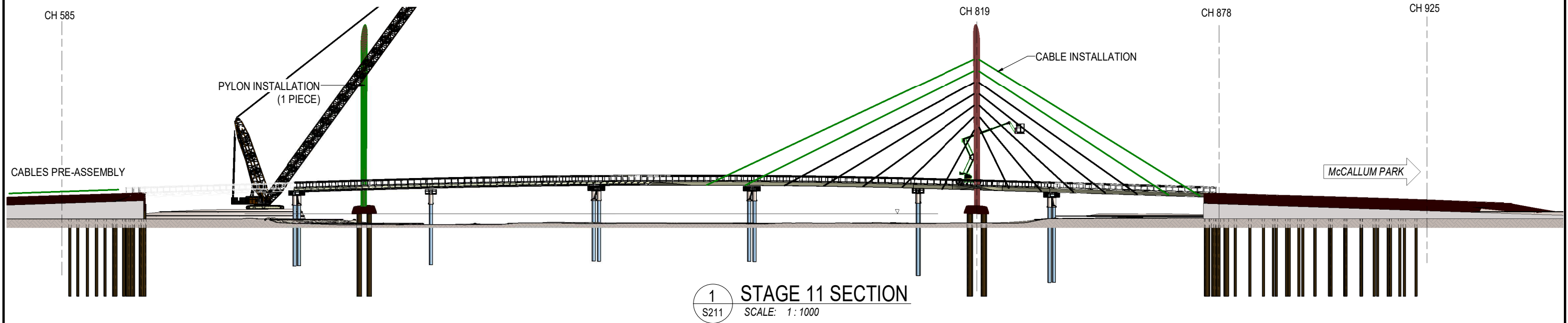
STAGE 11:

McCALLUM PARK BRIDGE

- a. PYLON 1 INSTALLATION
- b. PYLON 2 - CABLES INSTALLATION

POINT FRASER BRIDGE

REFER SHEET S304



NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

ISSUE	DATE	DESCRIPTION	BY
C	09-11-21	VARIOUS AMENDMENTS	DMM
B	20-10-21	VARIOUS AMENDMENTS	DMM
A	11-10-21	ISSUED FOR APPROVAL	DMM
AMENDMENTS			



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email: admin@fsace.com.au
website: www.fsace.com.au



PROJECT:
PERTH CAUSEWAY PEDESTRIAN AND
CYCLIST BRIDGE TEMPORARY
WORKS DESIGN
POINT FRASER TO McCALLUM PARK

PROJECT REFERENCE No.: FS3196A

APPROVED BY:

RPEQ: _____
CPEng NPER _____
DATE: _____

SHEET CONTENTS:
McCALLUM PARK BRIDGE BR 9505
INSTALLATION SEQUENCE
STAGE 11

DRAWN: DMM	DATE: 11-10-21	Q.A. CHECK: WSLB	DATE: 09-11-21	SCALE: As indicated
DESIGNED: ARV	DWG No.: FS3196A - S211	ISSUE TYPE: APPROVAL		

SHEET SIZE:
A3

ISSUE:
C

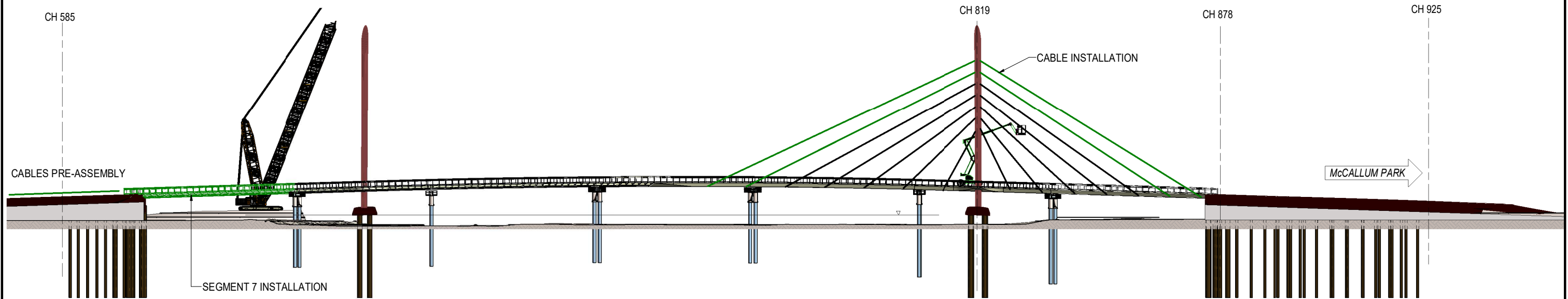
STAGE 12:

McCALLUM PARK BRIDGE

- a. SEGMENT 7 INSTALLATION
- b. PYLON 2 CABLES INSTALLATION

POINT FRASER BRIDGE

REFER SHEET S305



1 STAGE 12 SECTION
S212 SCALE: 1 : 1000



2 STAGE 12 3D VIEW
S212 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

<table border="1"> <tr> <td>C</td> <td>09-11-21</td> <td>VARIOUS AMENDMENTS</td> <td>DMM</td> </tr> <tr> <td>B</td> <td>20-10-21</td> <td>VARIOUS AMENDMENTS</td> <td>DMM</td> </tr> <tr> <td>A</td> <td>12-10-21</td> <td>ISSUED FOR APPROVAL</td> <td>DMM</td> </tr> <tr> <td>ISSUE</td> <td>DATE</td> <td>DESCRIPTION</td> <td>BY</td> </tr> </table>				C	09-11-21	VARIOUS AMENDMENTS	DMM	B	20-10-21	VARIOUS AMENDMENTS	DMM	A	12-10-21	ISSUED FOR APPROVAL	DMM	ISSUE	DATE	DESCRIPTION	BY	<p>FSA CONSULTING ENGINEERS P/L commercial residential marine ABN 68802194425 Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173</p>	<p>CLIENT:</p>	<p>PROJECT:</p> <p>PERTH CAUSEWAY PEDESTRIAN AND CYCLIST BRIDGE TEMPORARY WORKS DESIGN POINT FRASER TO McCALLUM PARK</p> <p>PROJECT REFERENCE No.: FS3196A</p>	<p>APPROVED BY:</p> <p>RPEQ: _____ CPEng NPER _____ DATE: _____</p>	<p>SHEET CONTENTS:</p> <p>McCALLUM PARK BRIDGE BR 9505 INSTALLATION SEQUENCE STAGE 12</p>			<p>SHEET SIZE:</p> <p>A3</p> <p>ISSUE:</p> <p>C</p>
C	09-11-21	VARIOUS AMENDMENTS	DMM																								
B	20-10-21	VARIOUS AMENDMENTS	DMM																								
A	12-10-21	ISSUED FOR APPROVAL	DMM																								
ISSUE	DATE	DESCRIPTION	BY																								
<p>AMENDMENTS</p>				<p>DESIGNED: DMM ARV</p>	<p>DATE: 12-10-21</p>	<p>Q.A. CHECK: WBSL</p>	<p>DATE: 09-11-21</p>	<p>SCALE: As indicated</p>	<p>ISSUE TYPE: APPROVAL</p>																		

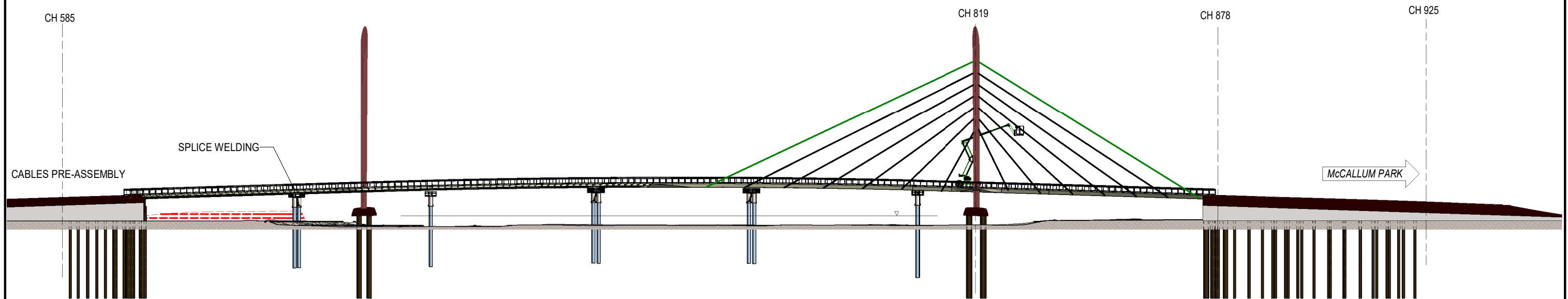
STAGE 13:

McCALLUM PARK BRIDGE

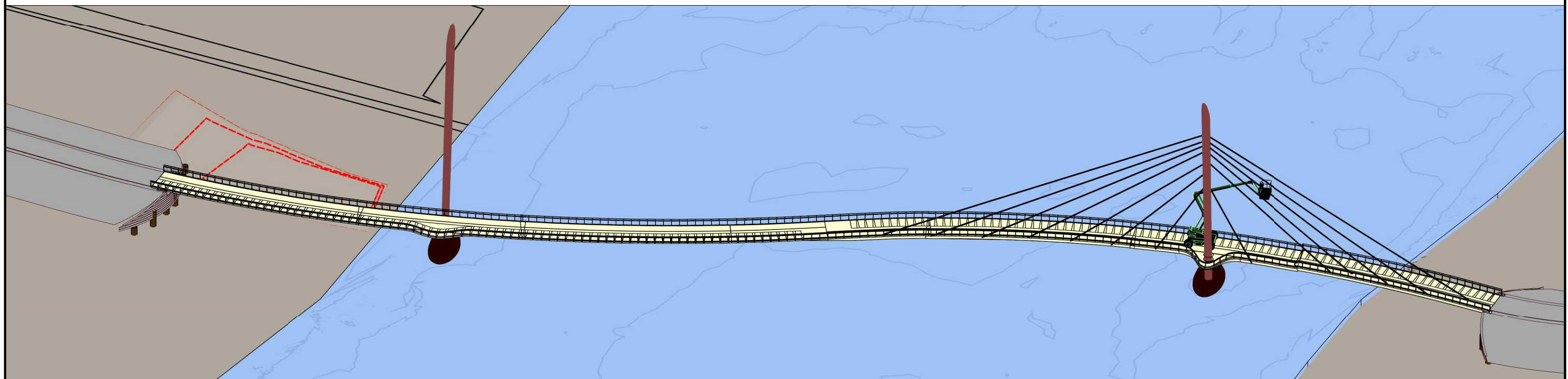
- a. PERMANENT SPLICE WELDING SEGMENTS
- b. RELOCATE CRANE TO HEIRISSON ISLAND NORTH (POINT FRASER ABUTMENT 2)
- c. PYLON 2 CABLES INSTALLATION

POINT FRASER BRIDGE

REFER SHEET S308



1 STAGE 13 SECTION
S213 SCALE: 1:1000



2 STAGE 13 3D VIEW
S213 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

ISSUE	DATE	DESCRIPTION	BY
C	09-11-21	VARIOUS AMENDMENTS	DMM
B	20-10-21	VARIOUS AMENDMENTS	DMM
A	11-10-21	ISSUED FOR APPROVAL	DMM
AMENDMENTS			



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CLIENT:

PROJECT:
PERTH CAUSEWAY PEDESTRIAN AND
CYCLIST BRIDGE TEMPORARY
WORKS DESIGN
POINT FRASER TO MCCALLUM PARK
PROJECT REFERENCE No.: FS3196A

APPROVED BY:
RPEQ: _____
CPEng NPER
DATE: _____

SHEET CONTENTS:				SHEET SIZE:
McCALLUM PARK BRIDGE BR 9505 INSTALLATION SEQUENCE STAGE 13				A3
DESIGNED:	DATE:	Q.A. CHECK:	DATE:	SCALE:
DMM	11-10-21	WSBL	09-11-21	As indicated
ISSUE:	DWG No.:	ISSUE TYPE:		
ARV	FS3196A - S213	APPROVAL	C	

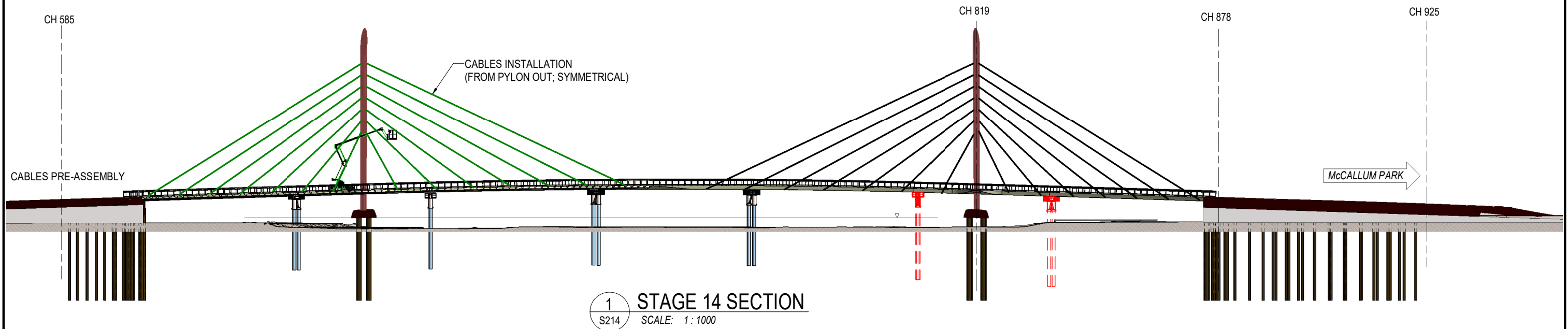
STAGE 14:

McCALLUM PARK BRIDGE

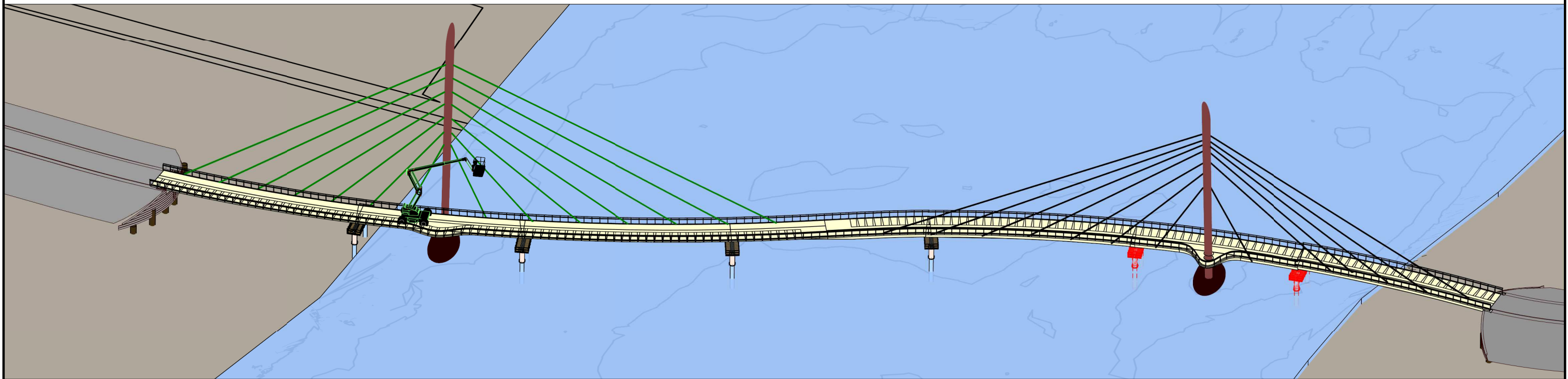
- a. PYLON 1 - CABLES INSTALLATION
- b. TEMPORARY PIERS REMOVAL

POINT FRASER BRIDGE

REFER SHEET S307



1 STAGE 14 SECTION
S214 SCALE: 1:1000



2 STAGE 14 3D VIEW
S214 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION | PRINT IN COLOUR

ISSUE	DATE	DESCRIPTION	BY
C	09-11-21	VARIOUS AMENDMENTS	DMM
B	20-10-21	VARIOUS AMENDMENTS	DMM
A	11-10-21	ISSUED FOR APPROVAL	DMM
AMENDMENTS			



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PERTH CAUSEWAY PEDESTRIAN AND
CYCLIST BRIDGE TEMPORARY
WORKS DESIGN
POINT FRASER TO MCCALLUM PARK
PROJECT REFERENCE No.: FS3196A

APPROVED BY:
RPEQ: _____
CPEng NPER
DATE: _____

SHEET CONTENTS:						SHEET SIZE:
McCALLUM PARK BRIDGE BR 9505 INSTALLATION SEQUENCE STAGE 14						A3
DESIGNED:	DATE:	Q.A. CHECK:	DATE:	SCALE:	ISSUE:	
DMM	11-10-21	WSBL	09-11-21	As indicated	C	
DRWN:	DWG No.:	ISSUE TYPE:				
ARV	FS3196A - S214	APPROVAL				

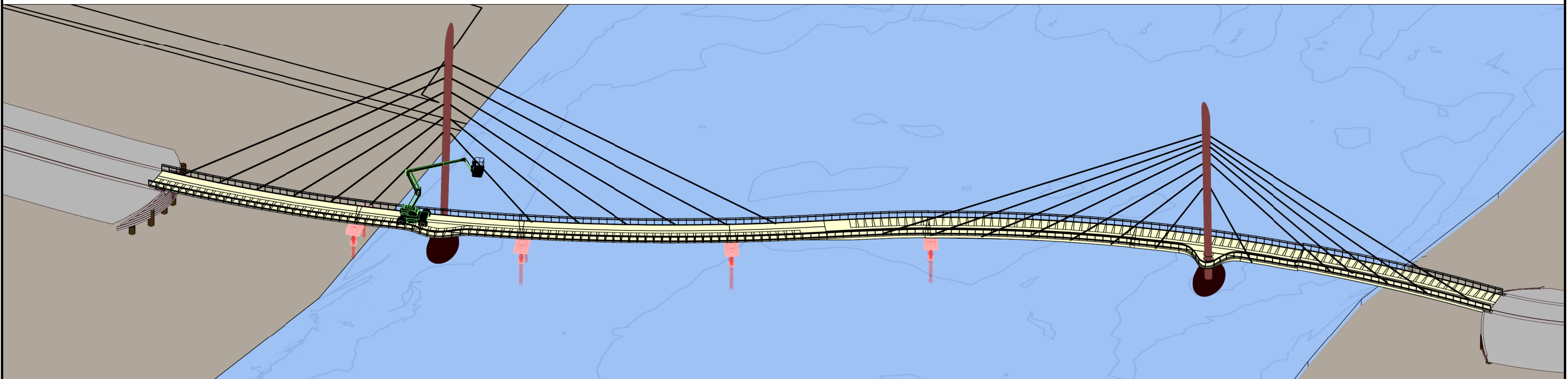
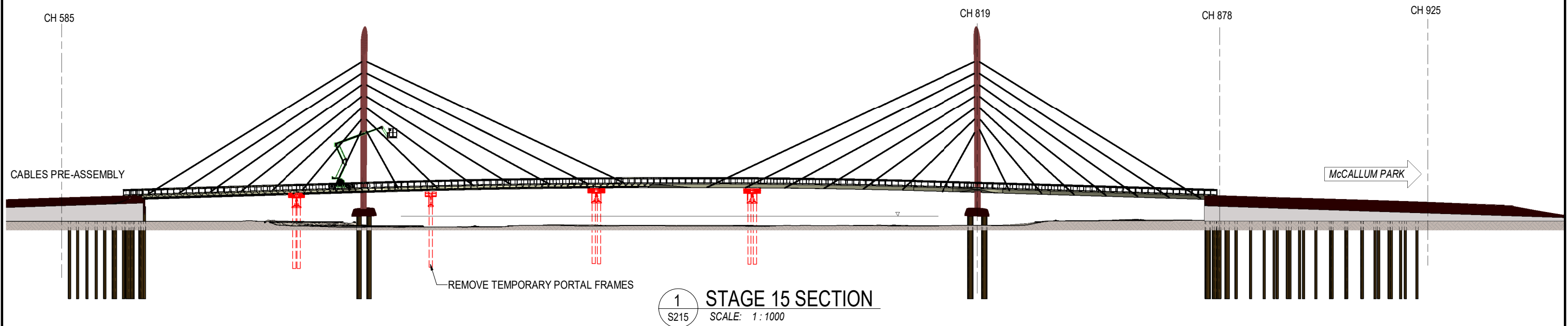
STAGE 15:

McCALLUM PARK BRIDGE

- a. REMOVE TEMPORARY PORTAL FRAMES
- b. SURVEY AND CABLE ADJUSTMENT

POINT FRASER BRIDGE

REFER SHEET S308



NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

ISSUE	DATE	DESCRIPTION	BY
B	09-11-21	VARIOUS AMENDMENTS	DMM
A	20-10-21	ISSUED FOR APPARAOVAL	RSH
AMENDMENTS			

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CLIENT:

SEYMOUR WHYTE WSP

CIVMEC

PROJECT:
 PERTH CAUSEWAY PEDESTRIAN AND
 CYCLIST BRIDGE TEMPORARY
 WORKS DESIGN
 POINT FRASER TO MCCALLUM PARK

PROJECT REFERENCE No.: FS3196A

APPROVED BY:

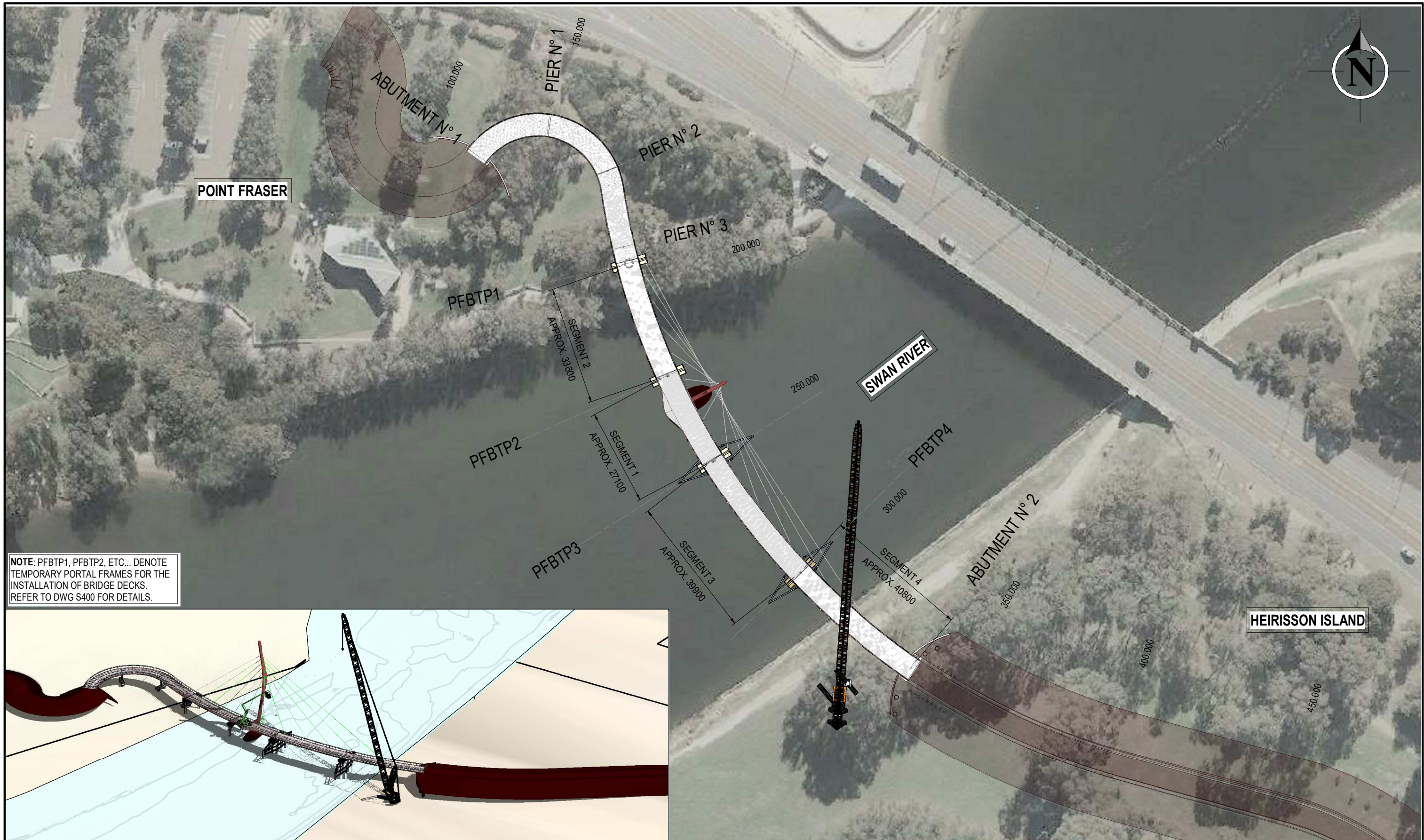
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 CPEng NPER
 DATE: _____

SHEET CONTENTS:
 McCALLUM PARK BRIDGE BR 9505
 INSTALLATION SEQUENCE
 STAGE 15

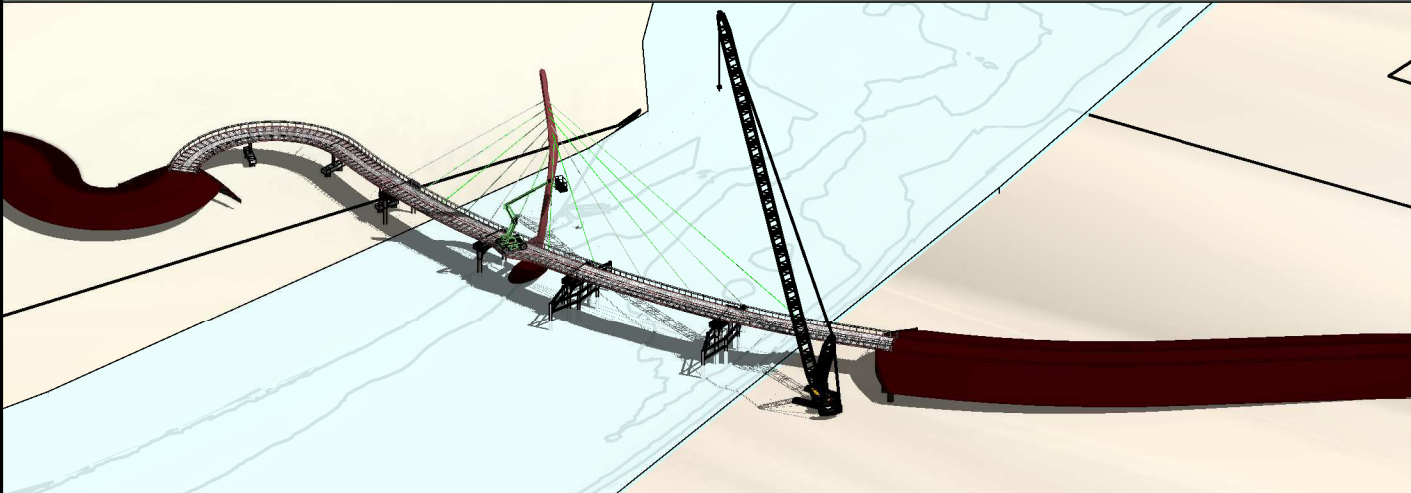
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DESIGNED: ARV	DWG No.: FS3196A - S215	ISSUE TYPE: APPROVAL		

SHEET SIZE:
A3

ISSUE:
B



NOTE: PFBTP1, PFBTP2, ETC... DENOTE TEMPORARY PORTAL FRAMES FOR THE INSTALLATION OF BRIDGE DECKS. REFER TO DWG S400 FOR DETAILS.



1 POINT FRASER BRIDGE TEMPORARY WORKS LAYOUT PLAN
 S300 SCALE: 1 : 1000

NOT FOR CONSTRUCTION | PRINT IN COLOUR

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

ISSUE	DATE	DESCRIPTION	BY
B	09-11-21	VARIOUS AMENDMENTS	DMM
A	20-10-21	ISSUED FOR APPARAOVAL	RSH
		AMENDMENTS	



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CLIENT:

PROJECT:
 PERTH CAUSEWAY PEDESTRIAN AND CYCLIST BRIDGE TEMPORARY WORKS DESIGN
 POINT FRASER TO MCCALLUM PARK
 PROJECT REFERENCE No.: FS3196A

APPROVED BY:
 RPEQ:
 CPEng NPER
 DATE:

SHEET CONTENTS:
 POINT FRASER BRIDGE BR 9506 TEMPORARY WORKS LAYOUT PLAN
 DRAWN: RSH DATE: 20-10-21 Q.A. CHECK: WSB DATE: 09-11-21 SCALE: 1 : 1000
 DESIGNED: AS DWG No.: FS3196A - S300 ISSUE TYPE: APPROVAL

SHEET SIZE: A3
 ISSUE: B

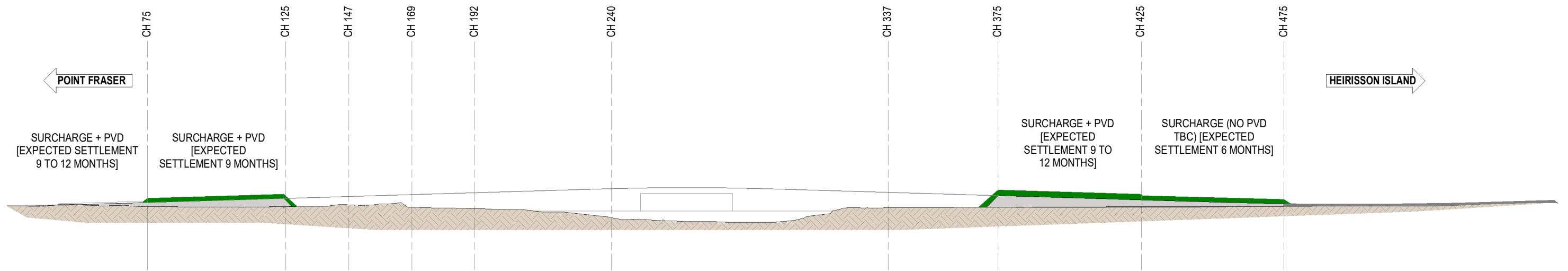
STAGE 1:

POINT FRASER BRIDGE

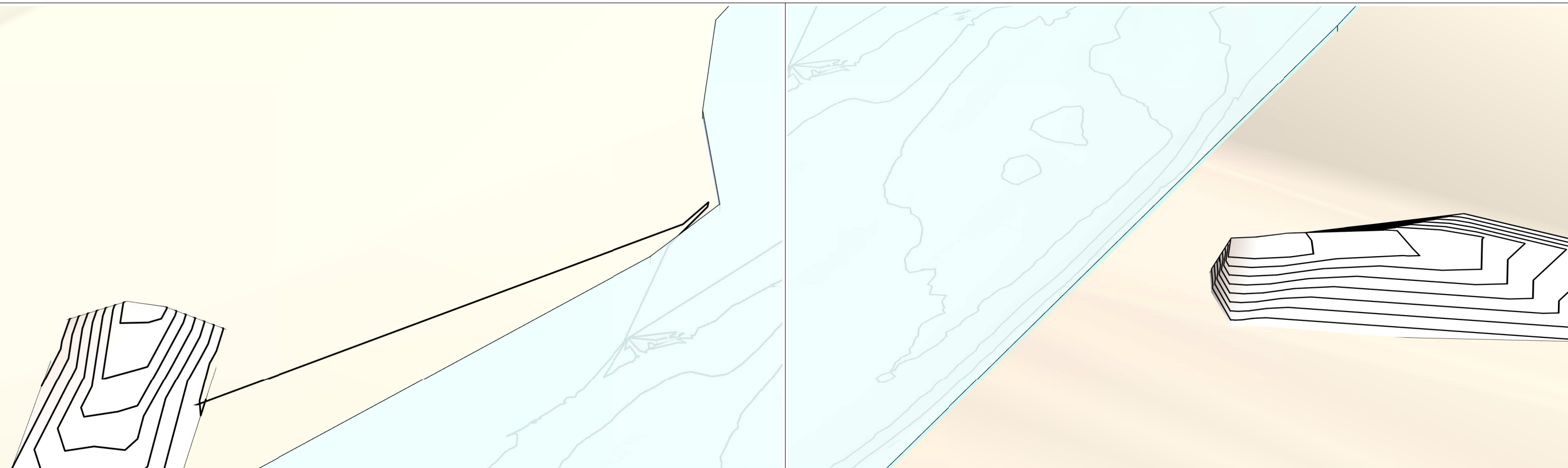
- a. SERVICES PROTECTION / RELOCATION WORKS
- b. EMBANKMENTS FILL AND SURCHARGE + PVD

McCALLUM PARK BRIDGE

REFER SHEET S201



1 POINT FRASER BRIDGE STAGE 1 SECTION
S301 SCALE: NOT TO SCALE



2 PFB - STAGE 1 3D VIEW
S301 SCALE:

NOT FOR CONSTRUCTION PRINT IN COLOUR

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

ISSUE	DATE	DESCRIPTION	BY
B	09-11-21	VARIOUS AMENDMENTS	DMM
A	20-10-21	ISSUED FOR APPAROVAL	RSH
AMENDMENTS			

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CLIENT:

SEYMOUR WHYTE WSP

CIVMEC

PROJECT:
PERTH CAUSEWAY PEDESTRIAN AND
CYCLIST BRIDGE TEMPORARY
WORKS DESIGN
POINT FRASER TO MCCALLUM PARK

PROJECT REFERENCE No.: FS3196A

APPROVED BY:

RPEQ: _____
CPEng NPER
DATE: _____

SHEET CONTENTS:
POINT FRASER BRIDGE BR 9506
INSTALLATION SEQUENCE
STAGE 1

DRAWN: RSH	DATE: 20-10-21	Q.A. CHECK: WSB	DATE: 09-11-21	SCALE: As indicated	ISSUE: A3
DESIGNED: ARV	DWG No.: FS3196A - S301	ISSUE TYPE: APPROVAL	ISSUE: B		

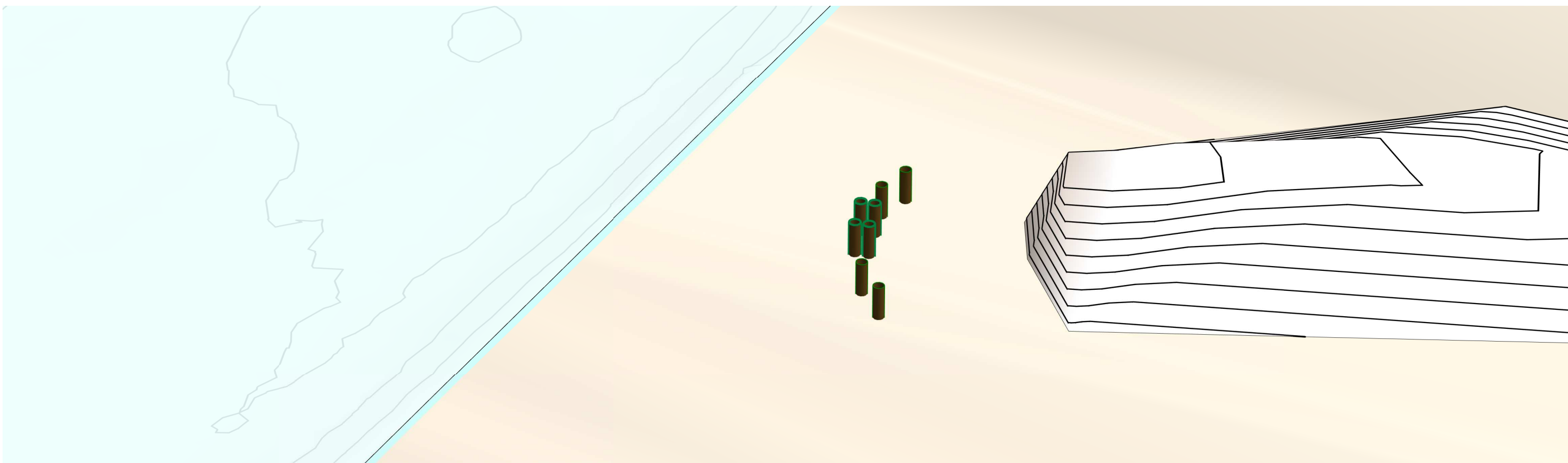
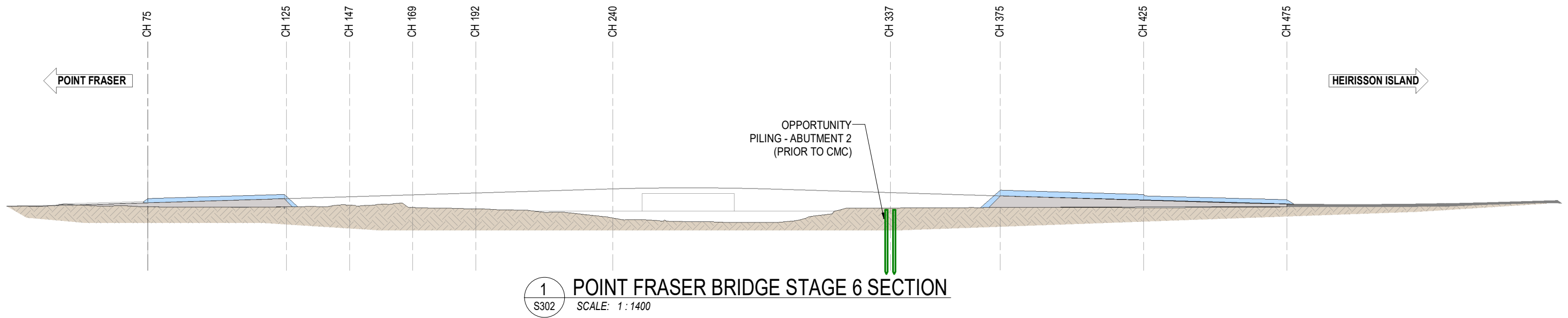
STAGE 6:

POINT FRASER BRIDGE

a. OPPORTUNITY PILING - ABUTMENT
(PRIOR TO CMC)

MCCALLUM PARK BRIDGE

REFER SHEET S206



2 PFB - STAGE 6 3D VIEW
SCALE:

NOT FOR CONSTRUCTION PRINT IN COLOUR

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

ISSUE	DATE	DESCRIPTION	BY
B	09-11-21	VARIOUS AMENDMENTS	DMM
A	20-10-21	ISSUED FOR APPAROVAL	RSH
AMENDMENTS			

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PROJECT:
PERTH CAUSEWAY PEDESTRIAN AND
CYCLIST BRIDGE TEMPORARY
WORKS DESIGN
POINT FRASER TO MCCALLUM PARK

PROJECT REFERENCE No.: FS3196A

APPROVED BY:

RPEQ: _____
CPEng NPER
DATE: _____

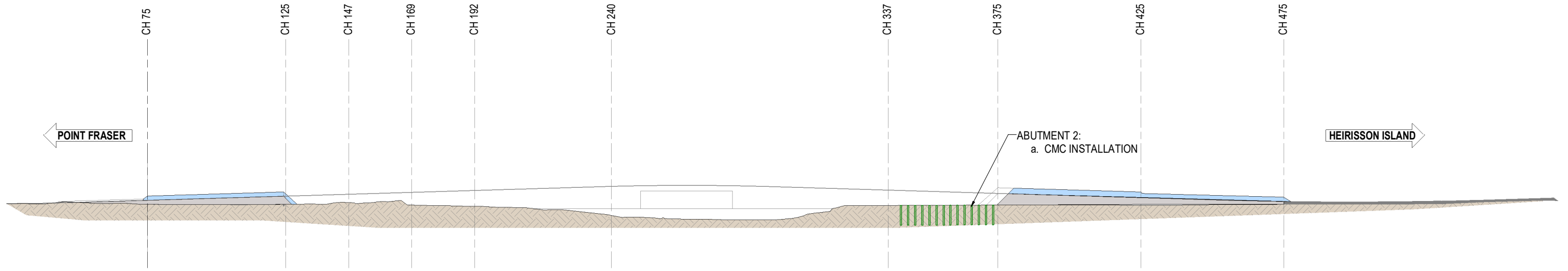
SHEET CONTENTS:
POINT FRASER BRIDGE BR 9506
INSTALLATION SEQUENCE
STAGE 6

DRAWN: RSH	DATE: 20-10-21	Q.A. CHECK: WSBL	DATE: 09-11-21	SCALE: As indicated
DESIGNED: ARV	DWG No.: FS3196A - S302	ISSUE TYPE: APPROVAL		

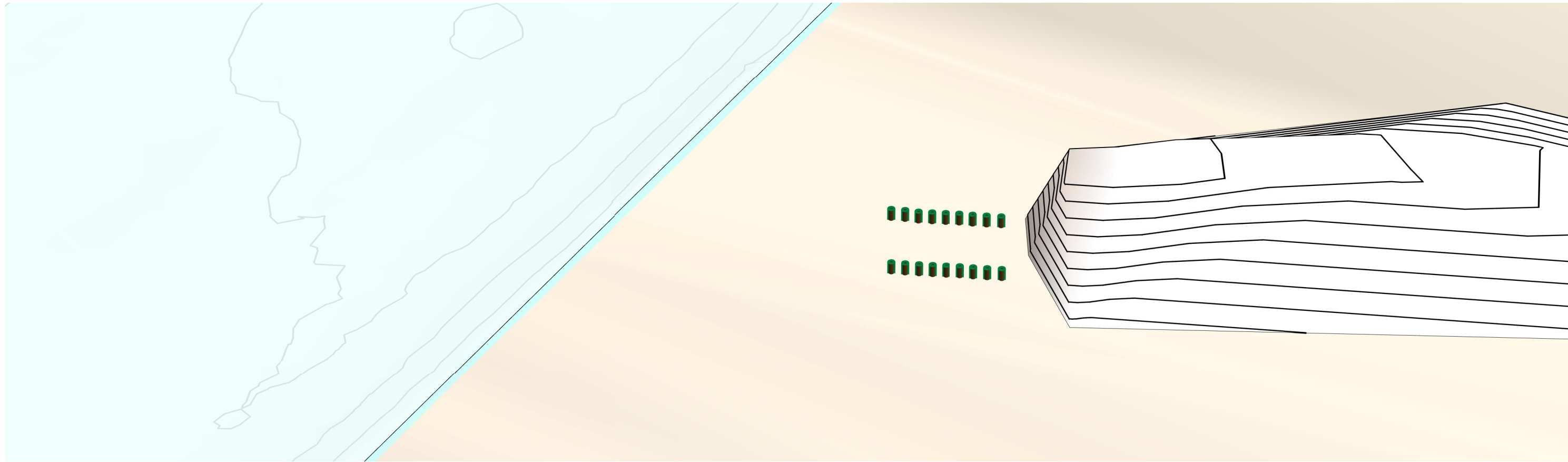
SHEET SIZE: A3
ISSUE: B

STAGE 10:

POINT FRASER BRIDGE a. CMC WORKS ABUT 2	McCALLUM PARK BRIDGE REFER SHEET S210
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1 POINT FRASER BRIDGE STAGE 10 SECTION
SCALE: NOT TO SCALE



2 PFB - STAGE 10 3D VIEW
SCALE:

NOT FOR CONSTRUCTION PRINT IN COLOUR

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

ISSUE	DATE	DESCRIPTION	BY
B	09-11-21	VARIOUS AMENDMENTS	DMM
A	20-10-21	ISSUED FOR APPARAOVAL	RSH
AMENDMENTS			

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PERTH CAUSEWAY PEDESTRIAN AND
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WORKS DESIGN
POINT FRASER TO MCCALLUM PARK

PROJECT REFERENCE No.: FS3196A

APPROVED BY:

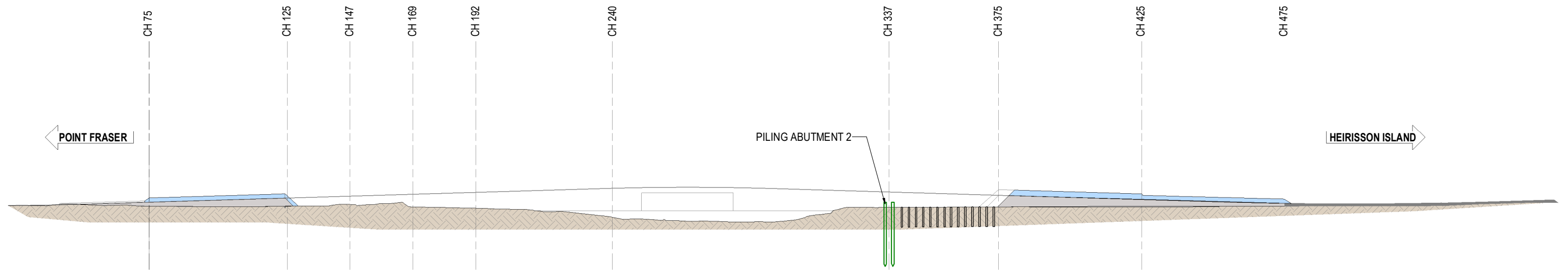
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CPEng NPER
DATE: _____

SHEET CONTENTS:					
POINT FRASER BRIDGE BR 9506 INSTALLATION SEQUENCE STAGE 10					
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DESIGNED: ARV	DWG No.: FS3196A - S303	ISSUE TYPE: APPROVAL			

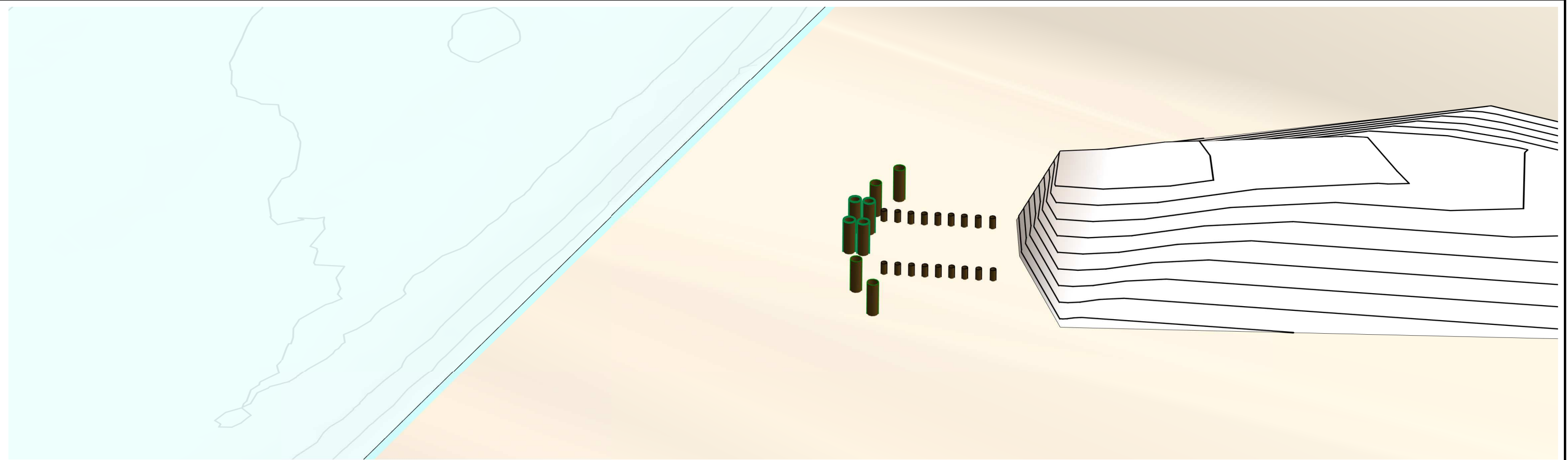
SHEET SIZE:
A3

STAGE 11:

POINT FRASER BRIDGE a. PILING ABUT 2 (IF NOT DONE BEFORE)	McCALLUM PARK BRIDGE REFER SHEET S211
---	---



1 POINT FRASER BRIDGE STAGE 11 SECTION
SCALE: 1:1400



2 PFB - STAGE 11 3D VIEW
SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

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B	09-11-21	VARIOUS AMENDMENTS	DMM
A	20-10-21	ISSUED FOR APPAROVAL	RSH
AMENDMENTS			

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PROJECT:
PERTH CAUSEWAY PEDESTRIAN AND
CYCLIST BRIDGE TEMPORARY
WORKS DESIGN
POINT FRASER TO MCCALLUM PARK

PROJECT REFERENCE No.: FS3196A

APPROVED BY:

RPEQ: _____
CPEng NPER
DATE: _____

SHEET CONTENTS:
POINT FRASER BRIDGE BR 9506
INSTALLATION SEQUENCE
STAGE 11

DESIGNED: RSH	DATE: 20-10-21	Q.A. CHECK: WSBL	DATE: 09-11-21	SCALE: As indicated
ISSUE: ARV	DWG No.: FS3196A - S304	ISSUE TYPE: APPROVAL		

SHEET SIZE:
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ISSUE:
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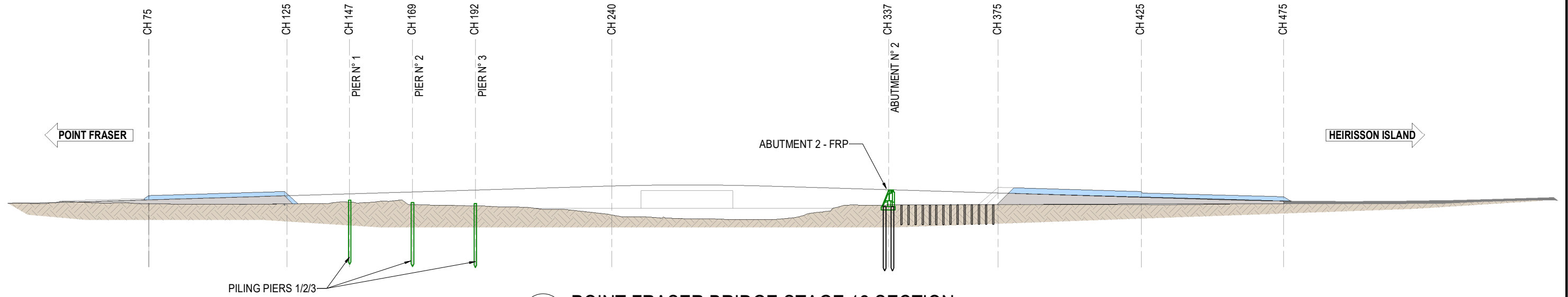
STAGE 12:

POINT FRASER BRIDGE

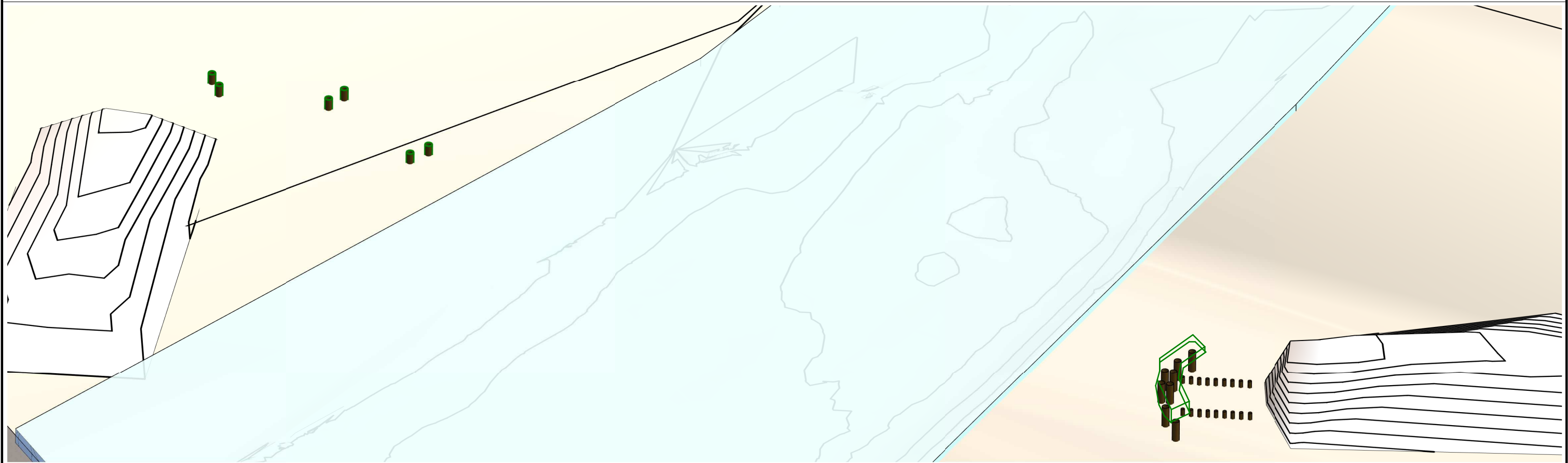
- a. FRP ABUT 2
- b. PILING PIERS 1/2/3

McCALLUM PARK BRIDGE

REFER SHEET S212



1 POINT FRASER BRIDGE STAGE 12 SECTION
 S305 SCALE: 1:1400



2 PFB - STAGE 12 3D VIEW
 S305 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

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B	09-11-21	VARIOUS AMENDMENTS	DMM
A	20-10-21	ISSUED FOR APPAROVAL	RSH
AMENDMENTS			

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PROJECT:
 PERTH CAUSEWAY PEDESTRIAN AND
 CYCLIST BRIDGE TEMPORARY
 WORKS DESIGN
 POINT FRASER TO MCCALLUM PARK

PROJECT REFERENCE No.: FS3196A

APPROVED BY:

RPEQ: _____
 CPEng NPER
 DATE: _____

SHEET CONTENTS:
 POINT FRASER BRIDGE BR 9506
 INSTALLATION SEQUENCE
 STAGE 12

DESIGNED: RSH	DATE: 20-10-21	Q.A. CHECK: WSBL	DATE: 09-11-21	SCALE: As indicated
DRAWN: ARV	DWG No.: FS3196A - S305	ISSUE TYPE: APPROVAL		ISSUE: B

SHEET SIZE:
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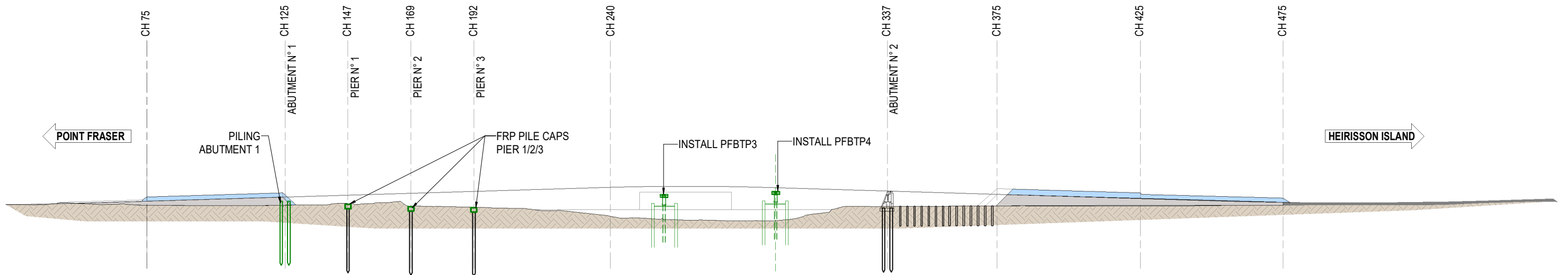
STAGE 13:

POINT FRASER BRIDGE

- a. PILING ABUT 1
- b. FRP PILE CAP PIERS 1,2&3
- c. RELOCATE CRANE FROM HEIRISSON ISLAND NORTH (POINT FRASER ABUTMENT 2)
- d. INSTALL TEMPORARY PORTAL FRAMES + FENDER PILES.

McCALLUM PARK BRIDGE

REFER SHEET S213



1 POINT FRASER BRIDGE STAGE 13 SECTION
 S306 SCALE: 1 : 1400



2 PFB - STAGE 13 3D VIEW
 S306 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

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A	20-10-21	ISSUED FOR APPARAOVAL	RSH
AMENDMENTS			

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SEYMOUR WHYTE WSP

CIVMEC

PROJECT:
 PERTH CAUSEWAY PEDESTRIAN AND
 CYCLIST BRIDGE TEMPORARY
 WORKS DESIGN
 POINT FRASER TO MCCALLUM PARK

PROJECT REFERENCE No.: FS3196A

APPROVED BY:

RPEQ: _____
 CPEng NPER
 DATE: _____

SHEET CONTENTS:
 POINT FRASER BRIDGE BR 9506
 INSTALLATION SEQUENCE
 STAGE 13

DESIGNED: RSH DATE: 20-10-21
 ARV DATE: 09-11-21

Q.A. CHECK: WSBL DATE: 09-11-21
 SCALE: As indicated

ISSUE TYPE: APPROVAL

SHEET SIZE: A3
 ISSUE: B

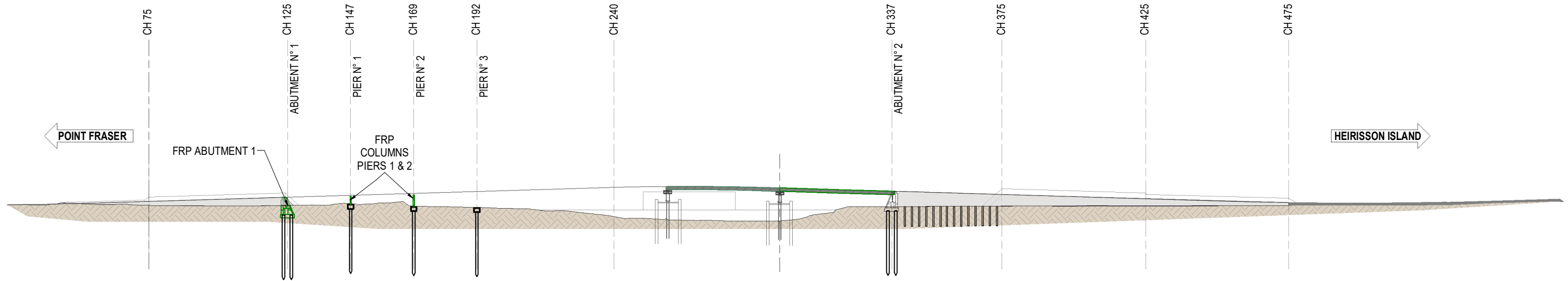
STAGE 14:

POINT FRASER BRIDGE

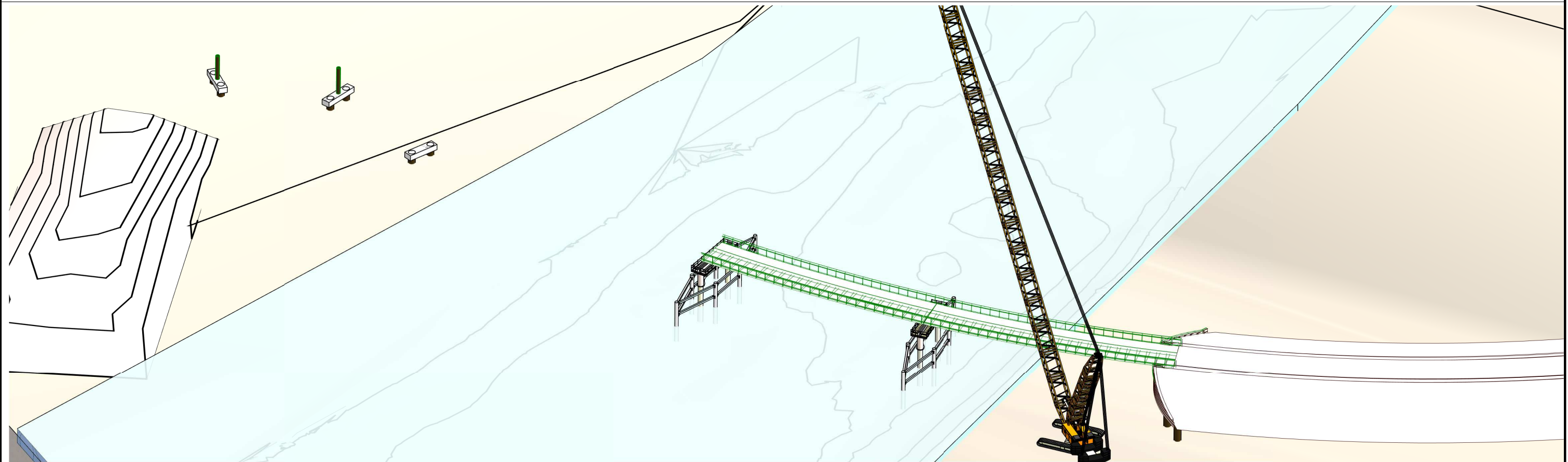
- a. INSTALL DECK SEGMENTS 3 AND 4. TEMPORARY SPLICE
- b. FRP ABUTMENT 1 AND PIER 1,2 COLUMN

MCCALLUM PARK BRIDGE

REFER SHEET S214



1 POINT FRASER BRIDGE STAGE 14 SECTION
 S307 SCALE: 1:1400



2 PFB - STAGE 14 3D VIEW
 S307 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

ISSUE	DATE	DESCRIPTION	BY
B	09-11-21	VARIOUS AMENDMENTS	DMM
A	20-10-21	ISSUED FOR APPARAOVAL	RSH
AMENDMENTS			

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 website: www.fsace.com.au

CLIENT:

SEYMOUR WHYTE WSP

CIVMEC

PROJECT:
 PERTH CAUSEWAY PEDESTRIAN AND
 CYCLIST BRIDGE TEMPORARY
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 POINT FRASER TO MCCALLUM PARK

PROJECT REFERENCE No.: FS3196A

APPROVED BY:

RPEQ: _____
 CPEng NPER
 DATE: _____

SHEET CONTENTS:
 POINT FRASER BRIDGE BR 9506
 INSTALLATION SEQUENCE
 STAGE 14

DRAWN: RSH	DATE: 20-10-21	Q.A. CHECK: WSBL	DATE: 09-11-21	SCALE: As indicated
DESIGNED: ARV	DWG No.: FS3196A - S307	ISSUE TYPE: APPROVAL		ISSUE: B

SHEET SIZE:
A3

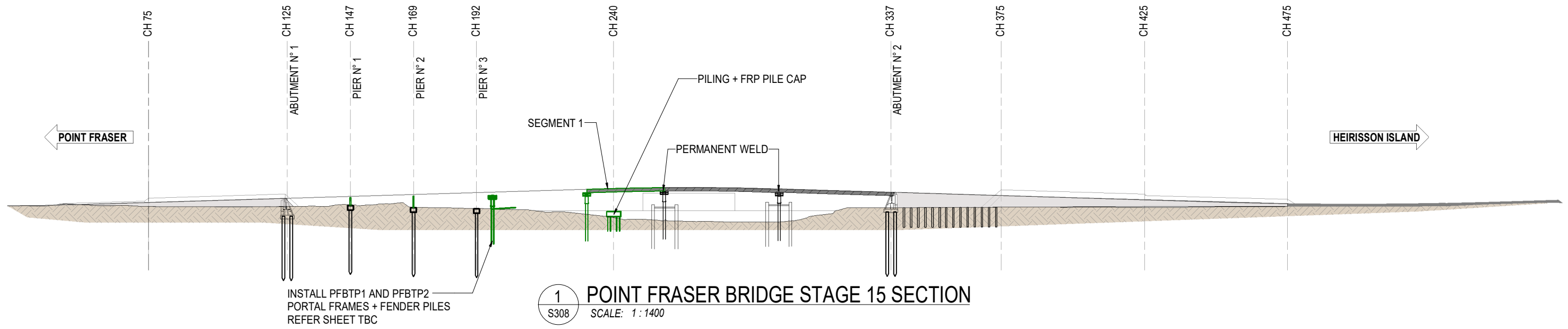
STAGE 15:

POINT FRASER BRIDGE

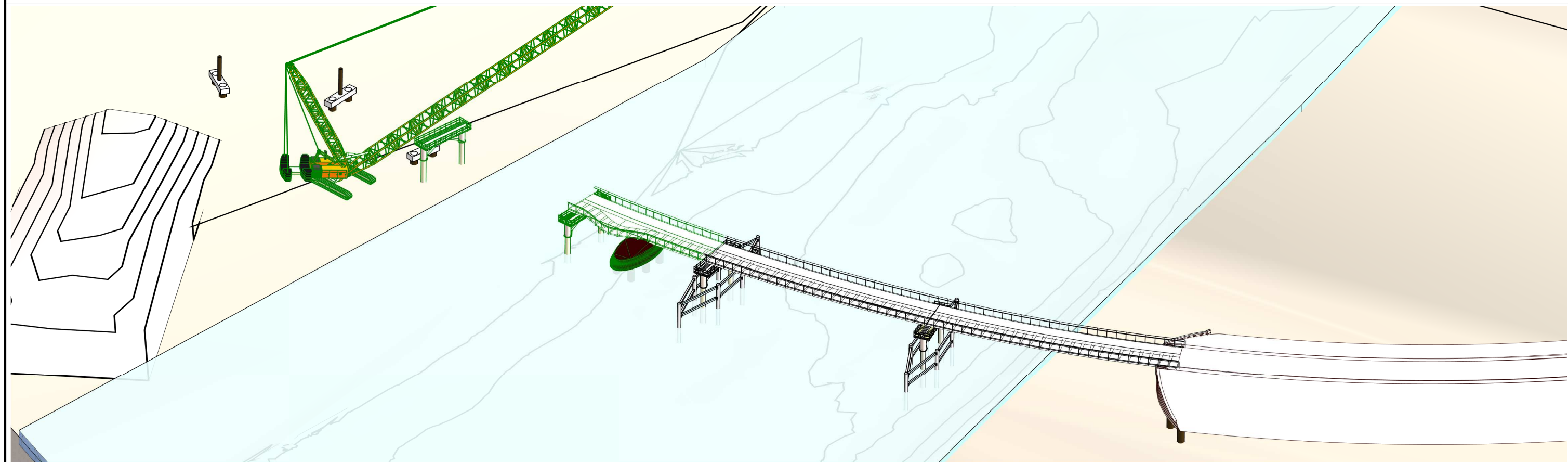
- a. PILING + FRP PILE CAP
- b. INSTALL TEMPORARY PORTAL FRAME .
- c. INSTALL SEGMENT 1
- d. PERMANENT SPLICE SEGMENTS 1 / 3 / 4

McCALLUM PARK BRIDGE

REFER SHEET S215



1 POINT FRASER BRIDGE STAGE 15 SECTION
SCALE: 1 : 1400



2 PFB - STAGE 15 3D VIEW
SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

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ISSUE	DATE	DESCRIPTION	BY
C	10-11-21	VARIOUS AMENDMENTS	DMM
B	09-11-21	VARIOUS AMENDMENTS	DMM
A	20-10-21	ISSUED FOR APPAROVAL	RSH
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WORKS DESIGN
POINT FRASER TO MCCALLUM PARK

PROJECT REFERENCE No.: FS3196A

APPROVED BY:

RPEQ: _____
CPEng NPER
DATE: _____

SHEET CONTENTS:
POINT FRASER BRIDGE BR 9506
INSTALLATION SEQUENCE
STAGE 15

DRAWN: RSH	DATE: 20-10-21	Q.A. CHECK: WSBL	DATE: 10-11-21	SCALE: As indicated
DESIGNED: ARV	DWG No.: FS3196A - S308	ISSUE TYPE: APPROVAL		

SHEET SIZE:
A3

ISSUE:
C

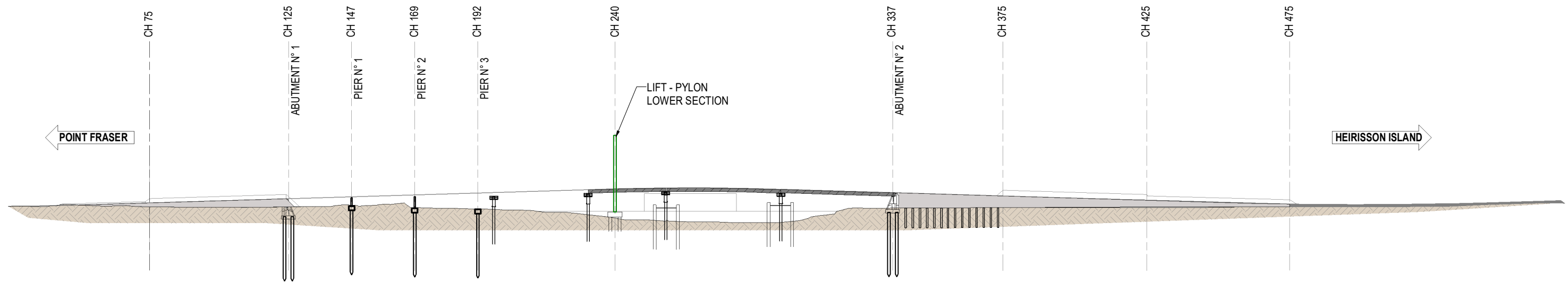
STAGE 16:

POINT FRASER BRIDGE

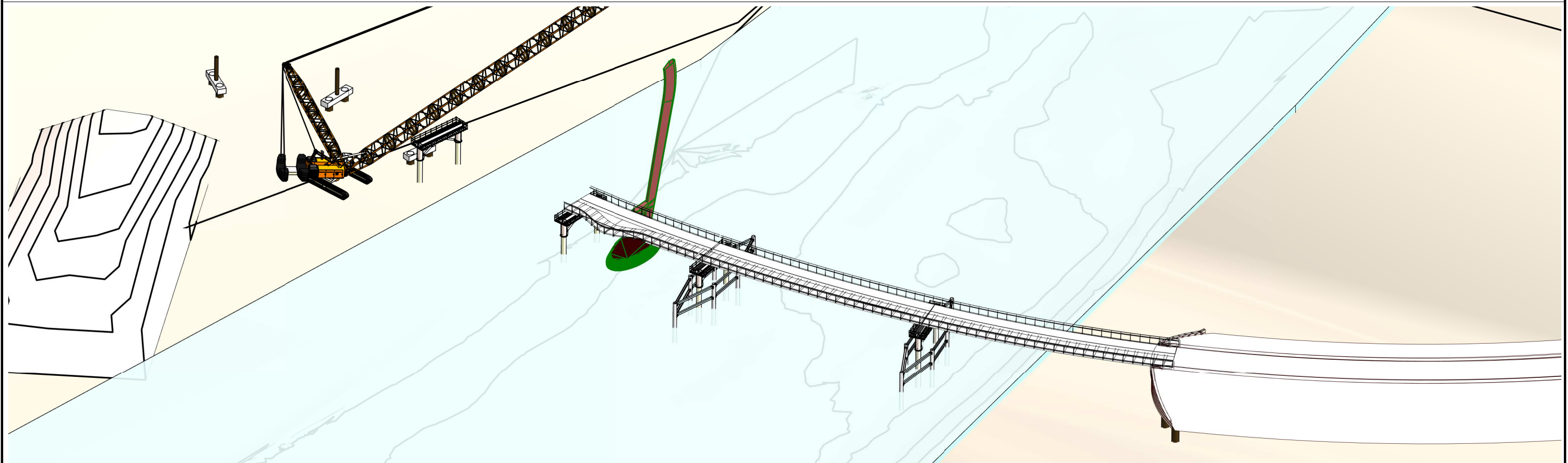
a. INSTALL PYLON - BOTTOM

MCCALLUM PARK BRIDGE

NO ACTIVITY



1 POINT FRASER BRIDGE STAGE 16 SECTION
S309 SCALE: 1:1400



2 PFB - STAGE 16 3D VIEW
S309 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

ISSUE	DATE	DESCRIPTION	BY
B	09-11-21	VARIOUS AMENDMENTS	DMM
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PROJECT REFERENCE No.: FS3196A

APPROVED BY:

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CPEng NPER
DATE: _____

SHEET CONTENTS:
POINT FRASER BRIDGE BR 9506
INSTALLATION SEQUENCE
STAGE 16

DESIGNED: RSH	DATE: 20-10-21	Q.A. CHECK: WSBL	DATE: 09-11-21	SCALE: As indicated
DRAWN: ARV	DWG No.: FS3196A - S309	ISSUE TYPE: APPROVAL		

SHEET SIZE:
A3

ISSUE:
B

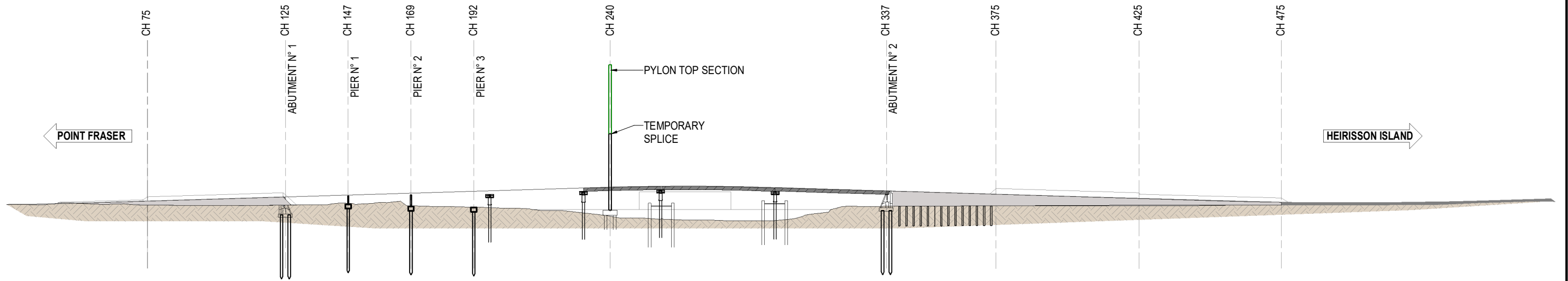
STAGE 17:

POINT FRASER BRIDGE

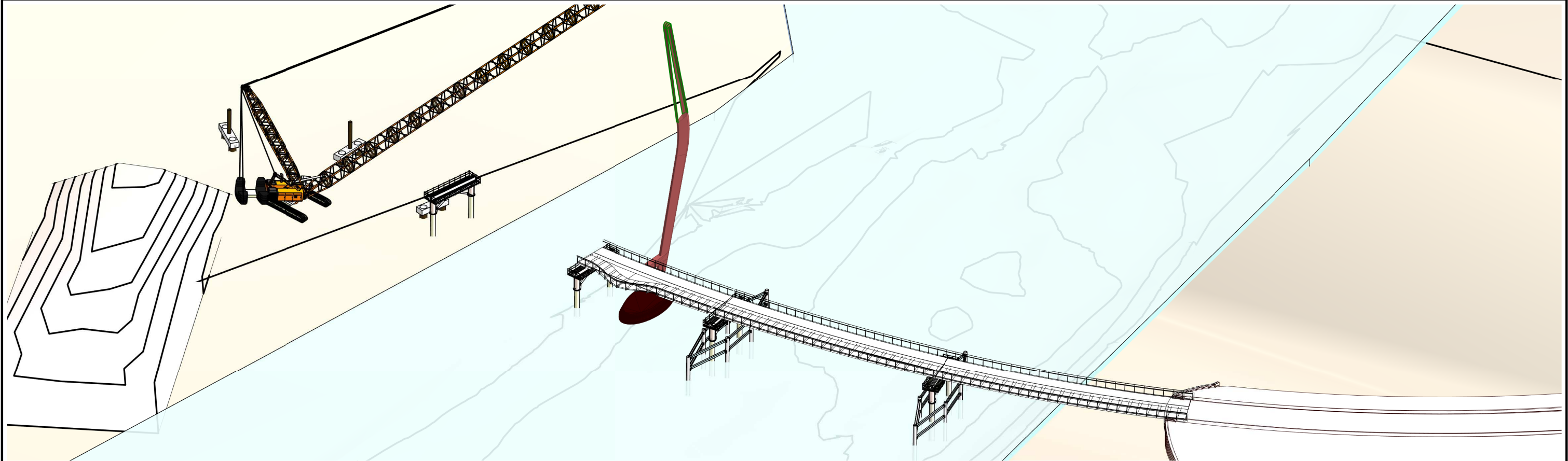
a. INSTALL PYLON - TOP AND TEMPORARY SPLICE

MCCALLUM PARK BRIDGE

NO ACTIVITY



1 POINT FRASER BRIDGE STAGE 17 SECTION
S310 SCALE: 1:1400



2 PFB - STAGE 17 3D VIEW
S310 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

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ISSUE	DATE	DESCRIPTION	BY
B	09-11-21	VARIOUS AMENDMENTS	DMM
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POINT FRASER TO MCCALLUM PARK

PROJECT REFERENCE No.: FS3196A

APPROVED BY:

RPEQ: _____
CPEng NPER
DATE: _____

SHEET CONTENTS:
POINT FRASER BRIDGE BR 9506
INSTALLATION SEQUENCE
STAGE 17

DRAWN: RSH	DATE: 20-10-21	Q.A. CHECK: WSBL	DATE: 09-11-21	SCALE: As indicated
DESIGNED: ARV	DWG No.: FS3196A - S310	ISSUE TYPE: APPROVAL		

SHEET SIZE:
A3

ISSUE:
B

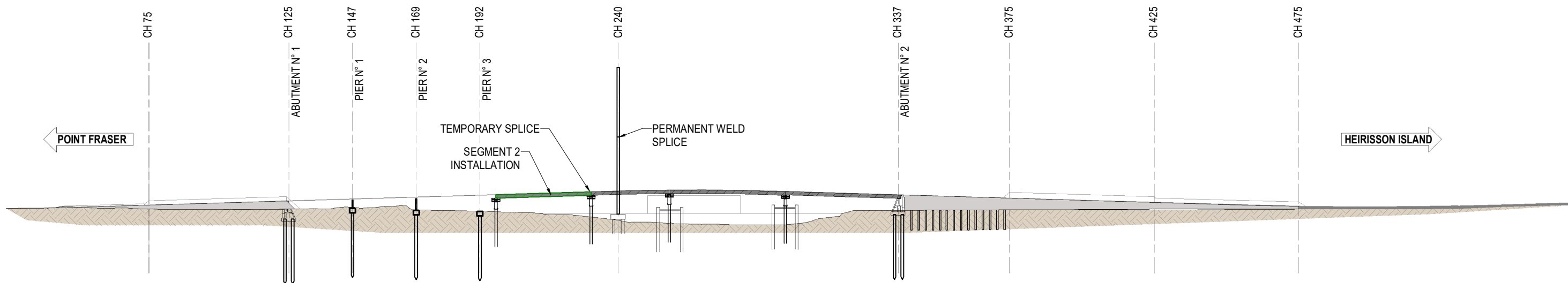
STAGE 18:

POINT FRASER BRIDGE

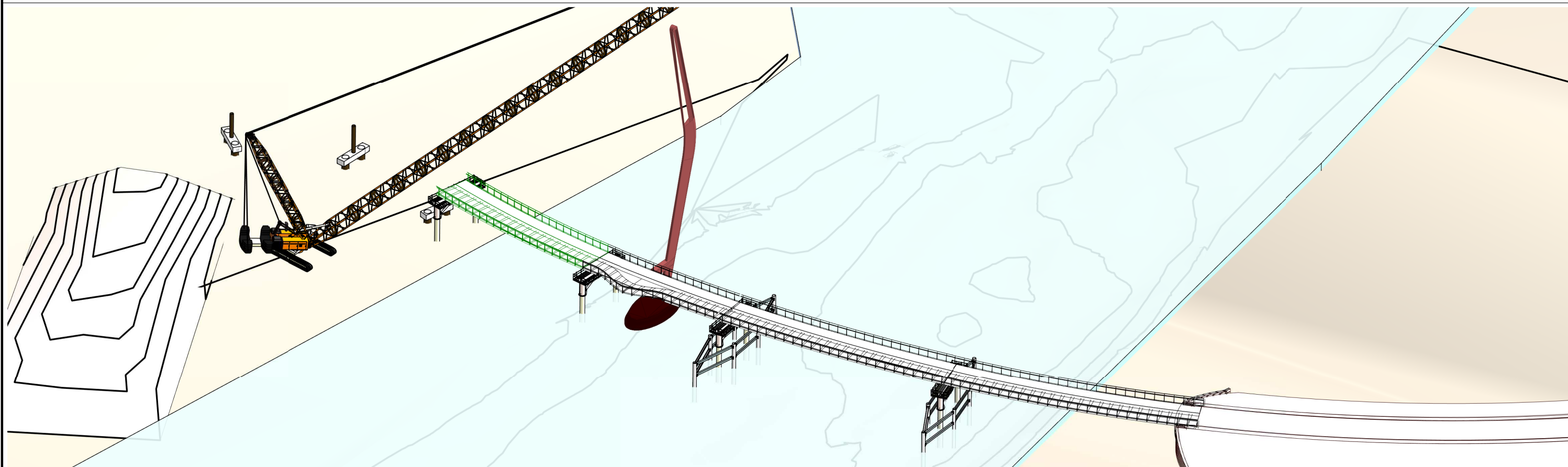
- a. PERMANENT SPLICE WELDING PYLON
- b. INSTALL DECK SEGMENT 2

MCCALLUM PARK BRIDGE

NO ACTIVITY



1 POINT FRASER BRIDGE STAGE 18 SECTION
S311 SCALE: 1 : 1400



2 PFB - STAGE 18 3D VIEW
S311 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

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PROJECT REFERENCE No.: FS3196A

APPROVED BY:
RPEQ:
CPEng NPER
DATE:

SHEET CONTENTS:
POINT FRASER BRIDGE BR 9506
INSTALLATION SEQUENCE
STAGE 18
DRAWN: RSH DATE: 20-10-21 Q.A. CHECK: WSBL DATE: 09-11-21 SCALE: As indicated
DESIGNED: ARV DWG No.: FS3196A - S311 ISSUE TYPE: APPROVAL

SHEET SIZE:
A3
ISSUE:
B

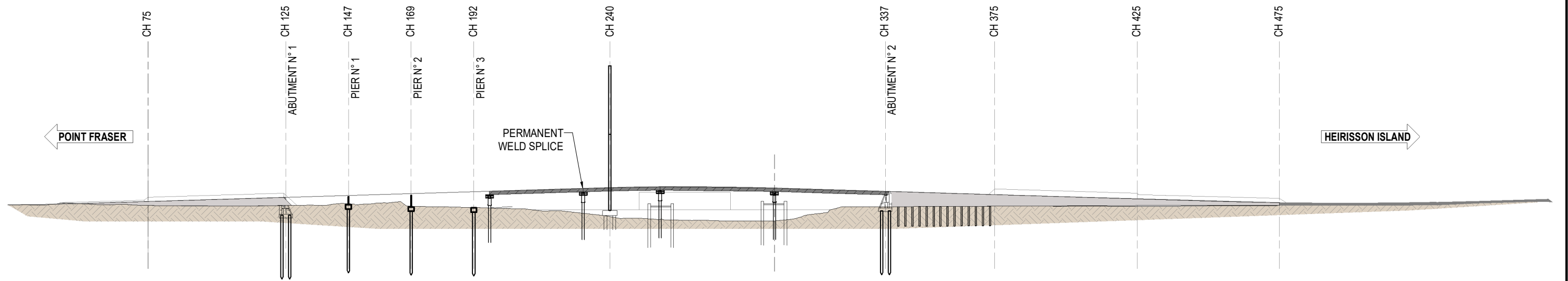
STAGE 19:

POINT FRASER BRIDGE

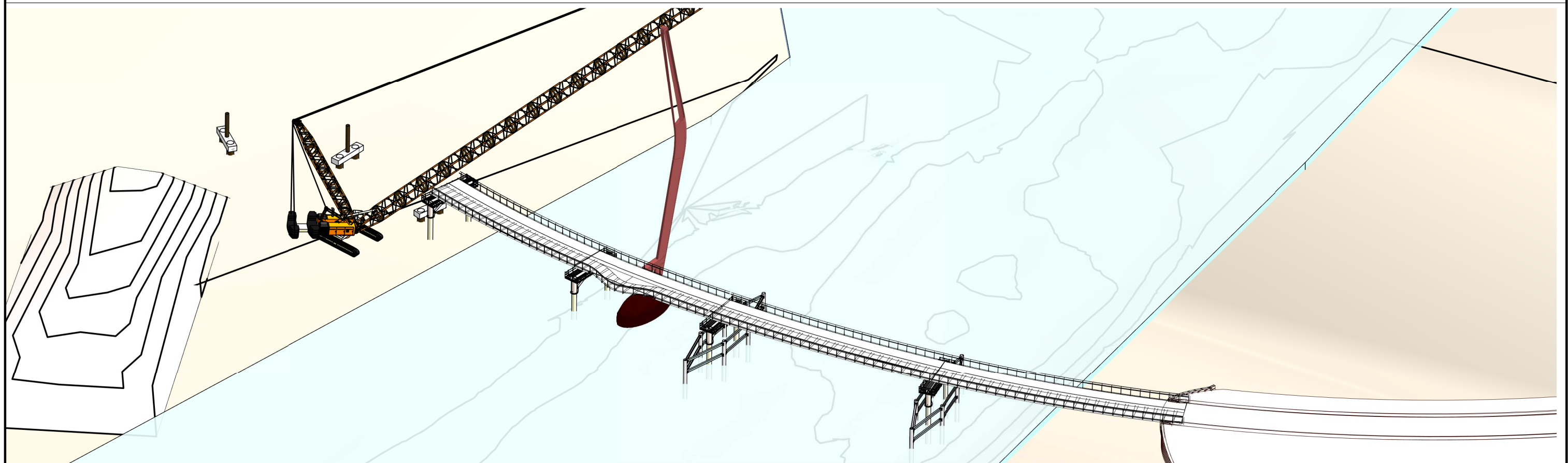
a. PERMANENT SPLICE WELDS SEGMENTS 1/2

MCCALLUM PARK BRIDGE

NO ACTIVITY



1 POINT FRASER BRIDGE STAGE 19 SECTION
 S312 SCALE: 1 : 1400



2 PFB - STAGE 19 3D VIEW
 S312 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

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B	09-11-21	VARIOUS AMENDMENTS	DMM
A	20-10-21	ISSUED FOR APPARAOVAL	RSH
AMENDMENTS			

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 POINT FRASER TO MCCALLUM PARK

PROJECT REFERENCE No.: FS3196A

APPROVED BY:

RPEQ: _____
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 DATE: _____

SHEET CONTENTS:
 POINT FRASER BRIDGE BR 9506
 INSTALLATION SEQUENCE
 STAGE 19

DRAWN: RSH	DATE: 20-10-21	Q.A. CHECK: WSBL	DATE: 09-11-21	SCALE: As indicated
DESIGNED: ARV	DWG No.: FS3196A - S312	ISSUE TYPE: APPROVAL		

SHEET SIZE:
A3

ISSUE:
B

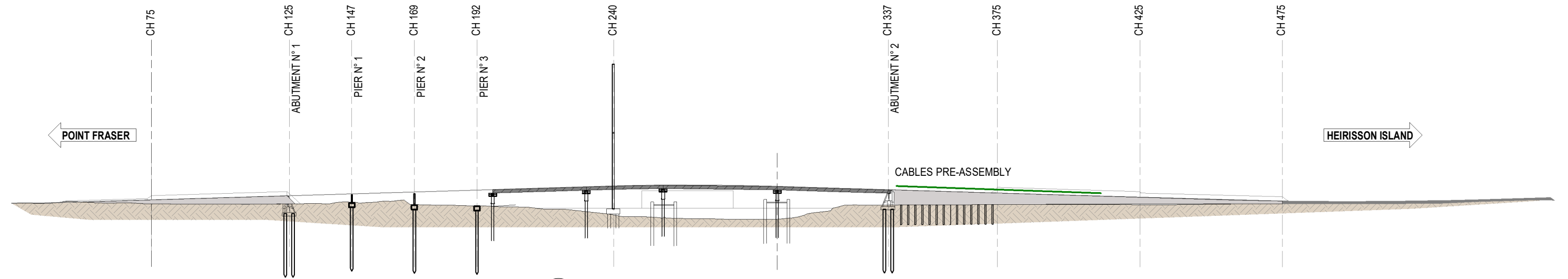
STAGE 20:

POINT FRASER BRIDGE

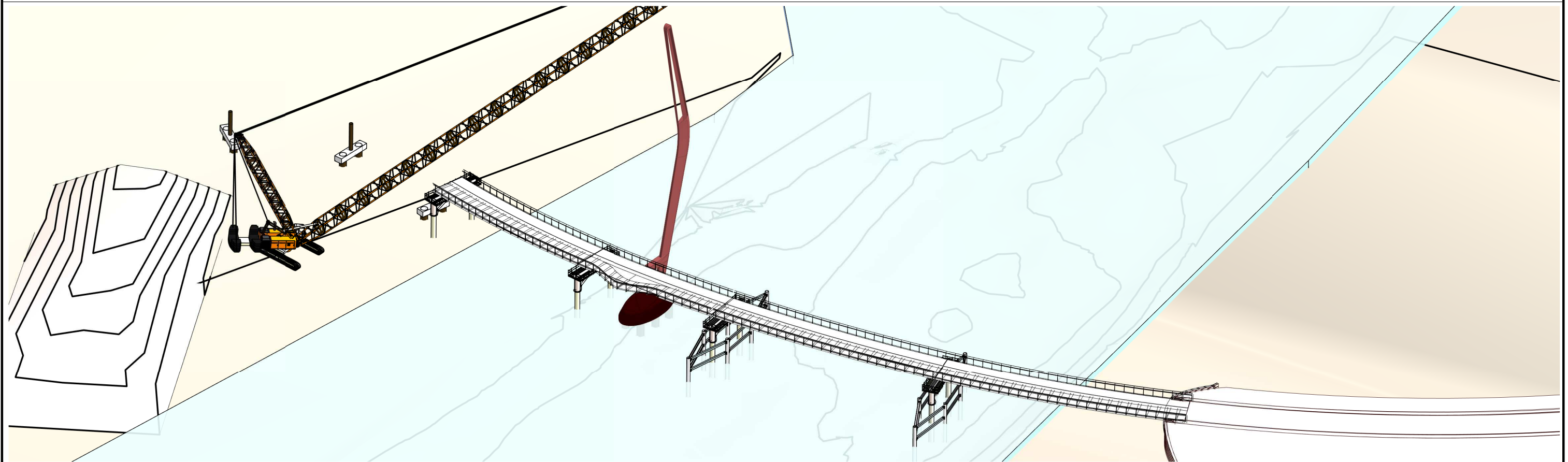
a. CABLES PRE-ASSEMBLY

MCCALLUM PARK BRIDGE

NO ACTIVITY



1 POINT FRASER BRIDGE STAGE 20 SECTION
S313 SCALE: 1 : 1400



2 PFB - STAGE 20 3D VIEW
S313 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

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C	10-11-21	VARIOUS AMENDMENTS	DMM
B	09-11-21	VARIOUS AMENDMENTS	DMM
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WORKS DESIGN
POINT FRASER TO MCCALLUM PARK
PROJECT REFERENCE No.: FS3196A

APPROVED BY:
RPEQ: _____
CPEng NPER
DATE: _____

SHEET CONTENTS:
**POINT FRASER BRIDGE BR 9506
INSTALLATION SEQUENCE
STAGE 20**

DRAWN: RSH	DATE: 20-10-21	Q.A. CHECK: WSBL	DATE: 10-11-21	SCALE: As indicated
DESIGNED: ARV	DWG No.: FS3196A - S313	ISSUE TYPE: APPROVAL		

SHEET SIZE:
A3
ISSUE:
C

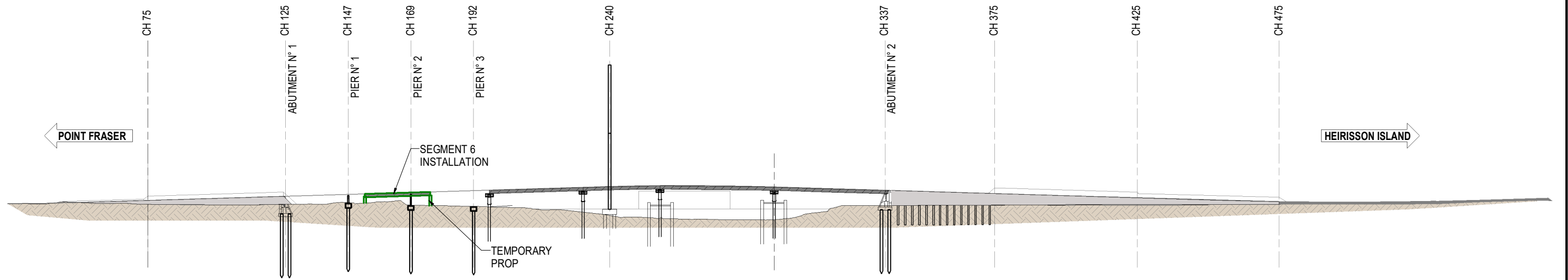
STAGE 21:

POINT FRASER BRIDGE

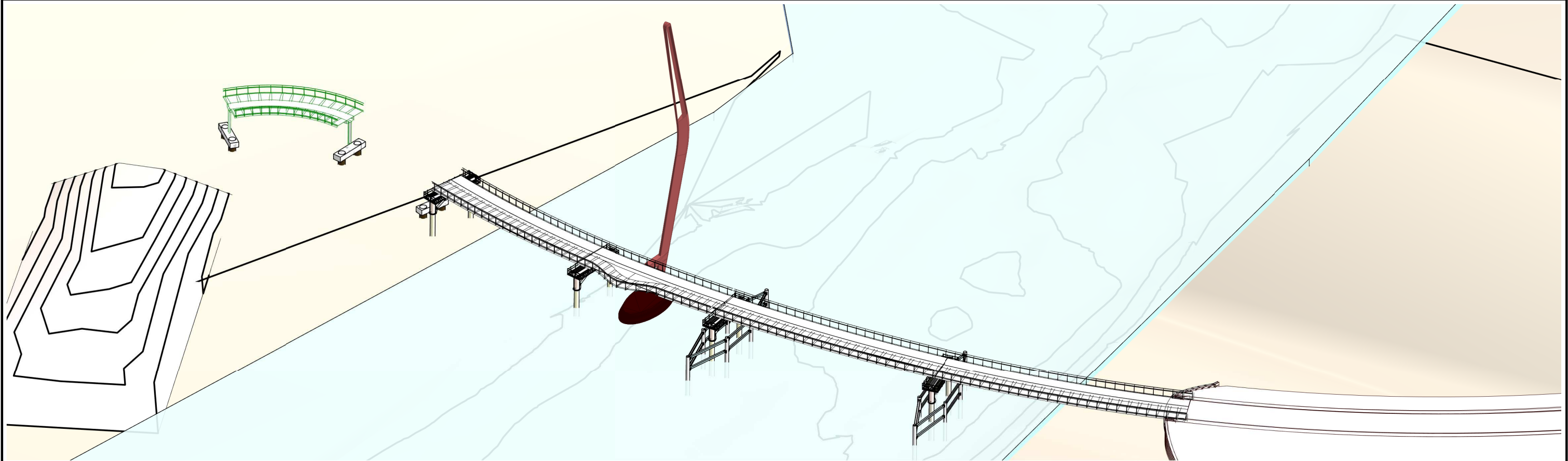
a. INSTALL DECK SEGMENT 6

MCCALLUM PARK BRIDGE

NO ACTIVITY



1 POINT FRASER BRIDGE STAGE 21 SECTION
S314 SCALE: 1 : 1400



2 PFB - STAGE 21 3D VIEW
S314 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

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B	09-11-21	VARIOUS AMENDMENTS	DMM
A	20-10-21	ISSUED FOR APPAROVAL	RSH
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RPEQ: _____
CPEng NPER
DATE: _____

SHEET CONTENTS:
POINT FRASER BRIDGE BR 9506
INSTALLATION SEQUENCE
STAGE 21

DESIGNED: RSH	DATE: 20-10-21	Q.A. CHECK: WSBL	DATE: 09-11-21	SCALE: As indicated
ISSUE: ARV	DWG No.: FS3196A - S314	ISSUE TYPE: APPROVAL		

SHEET SIZE:
A3

ISSUE:
B

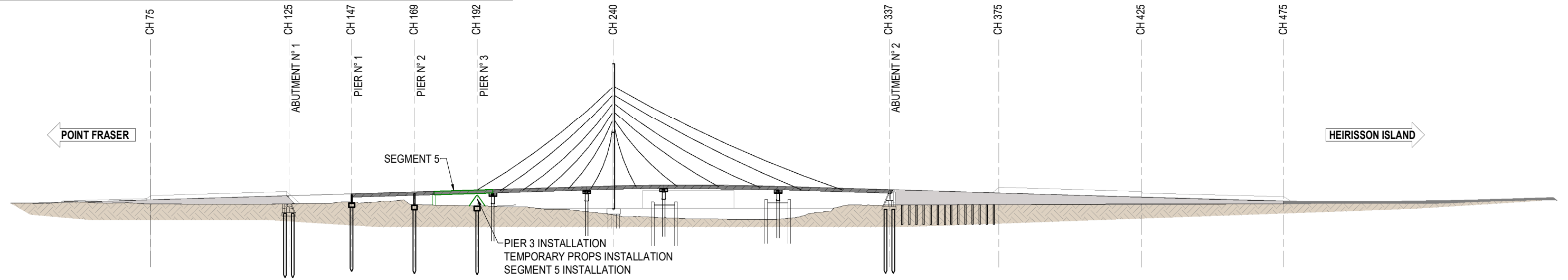
STAGE 22:

POINT FRASER BRIDGE

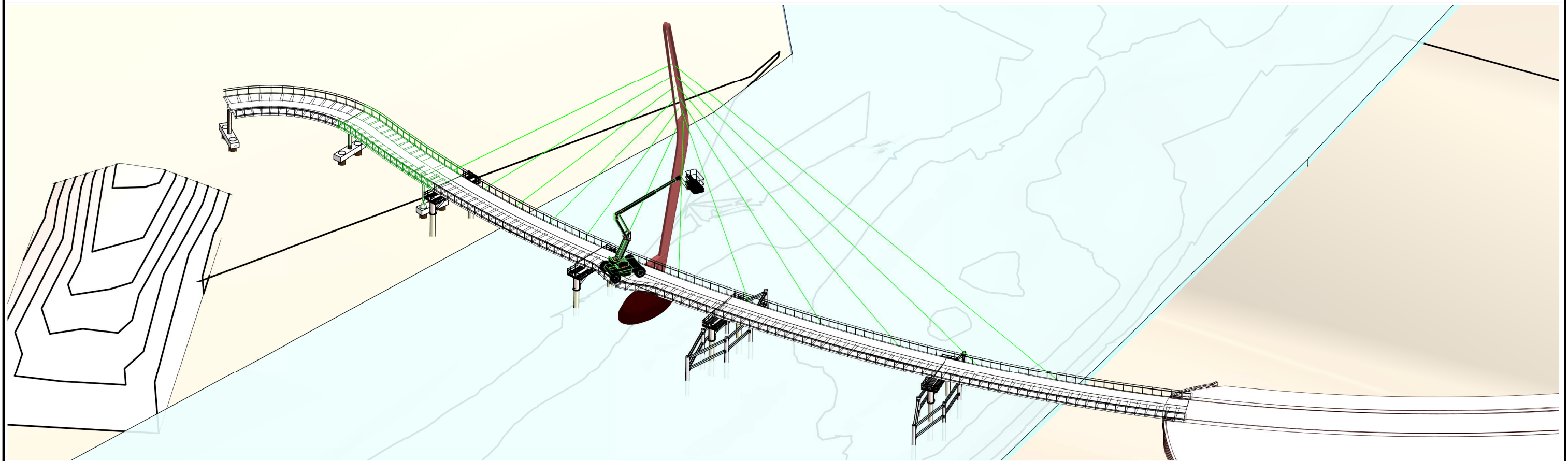
- a. INSTALL PIER 3
- b. INSTALL DECK SEGMENT 5
- c. INSTALL CABLES ON PYLON ONLY (SECURE TO DECK)

MCCALLUM PARK BRIDGE

NO ACTIVITY



1 POINT FRASER BRIDGE STAGE 22 SECTION
S315 SCALE: 1:1400



2 PFB - STAGE 22 3D VIEW
S315 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

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DATE: _____

SHEET CONTENTS:
POINT FRASER BRIDGE BR 9506
INSTALLATION SEQUENCE
STAGE 22

DRAWN: RSH	DATE: 20-10-21	Q.A. CHECK: WSBL	DATE: 09-11-21	SCALE: As indicated
DESIGNED: ARV	DWG No.: FS3196A - S315	ISSUE TYPE: APPROVAL		

SHEET SIZE:
A3

ISSUE:
B

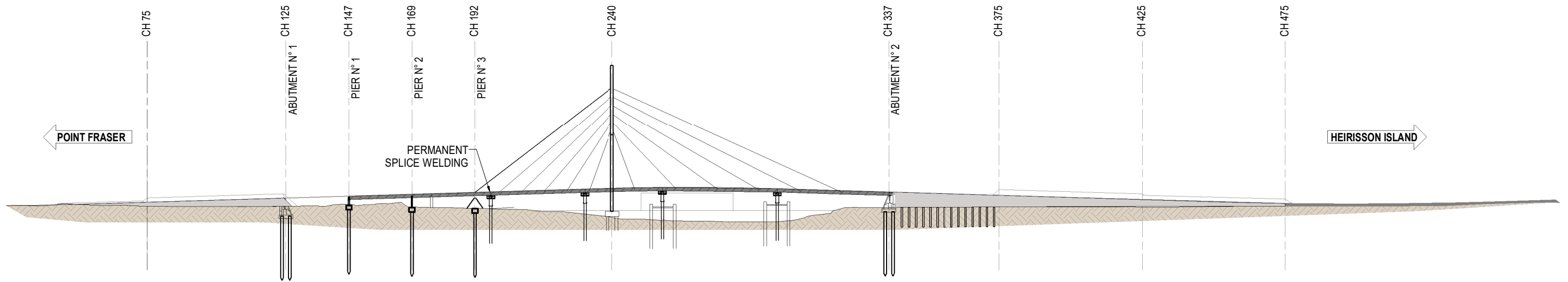
STAGE 23:

POINT FRASER BRIDGE

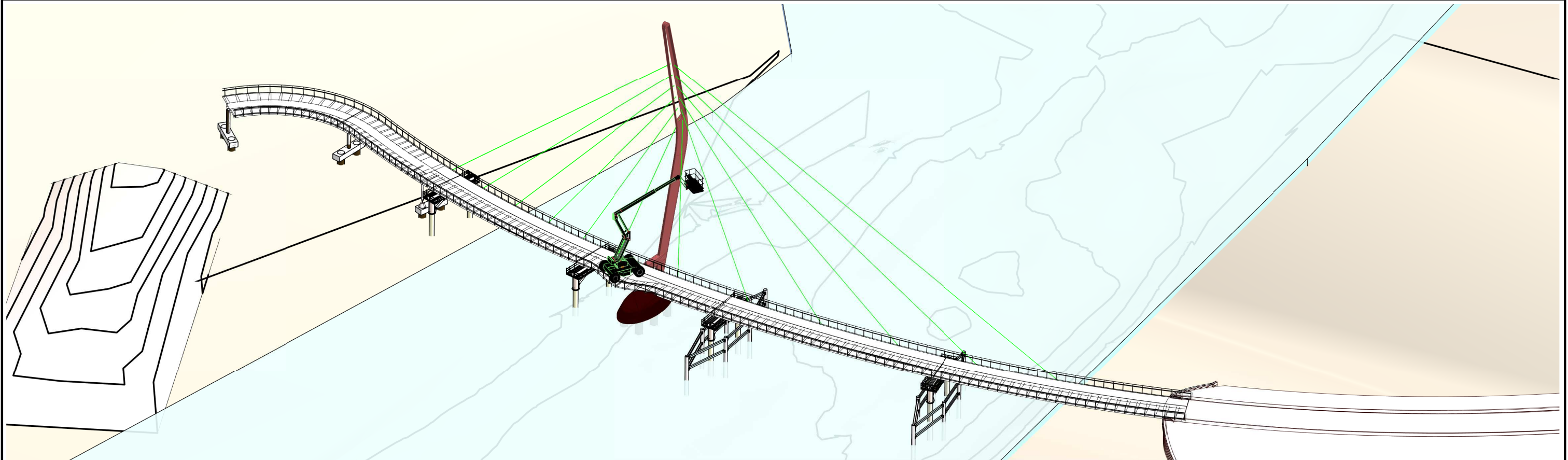
- a. PERMANENT SPLICE
- b. INSTALL / STRESS CABLES SYMMETRICALLY FROM PYLON OUT

MCCALLUM PARK BRIDGE

NO ACTIVITY



1 POINT FRASER BRIDGE STAGE 23 SECTION
S316 SCALE: 1 : 1400



2 PFB - STAGE 23 3D VIEW
S316 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

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APPROVED BY:
RPEQ: _____
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DATE: _____

SHEET CONTENTS:						SHEET SIZE:
POINT FRASER BRIDGE BR 9506 INSTALLATION SEQUENCE STAGE 23						A3
DESIGNED:	DATE:	Q.A. CHECK:	DATE:	SCALE:	ISSUE:	
RSH	20-10-21	WSBL	10-11-21	As indicated	C	
DRAWN: ARV		DWG No.: FS3196A - S316		ISSUE TYPE: APPROVAL		

STAGE 24:

POINT FRASER BRIDGE

- a. REMOVE TEMPORARY PIERS IN RIVER
- b. INSTALL DECK SEGMENT 7
- c. SURVEY + CABLES ADJUSTMENT

MCCALLUM PARK BRIDGE

NO ACTIVITY

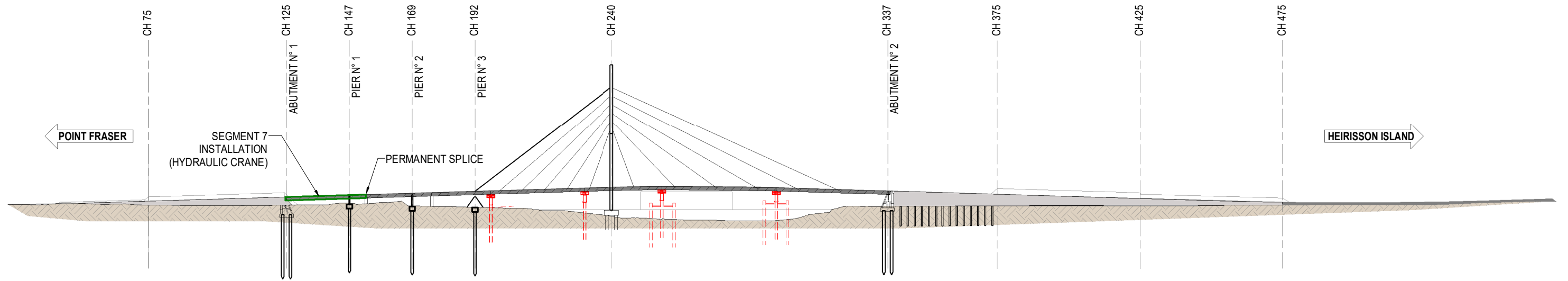
STAGE 25:

POINT FRASER BRIDGE

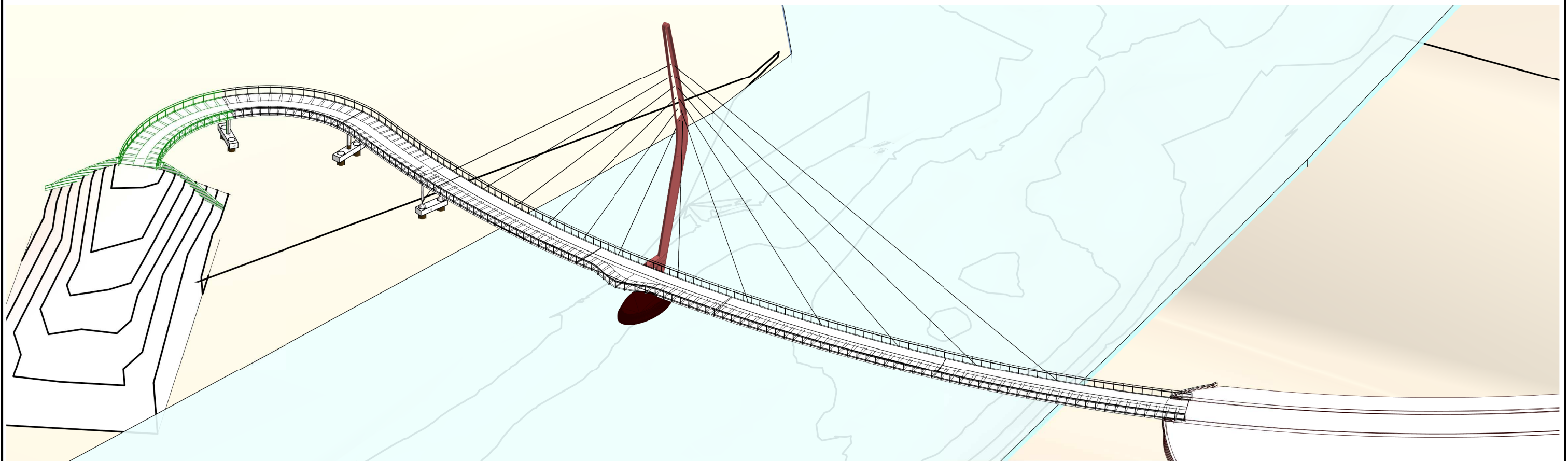
- a. PERMANENT SPLICE SEGMENT 6/7
- b. REMOVE TEMPORARY PIERS

MCCALLUM PARK BRIDGE

NO ACTIVITY



1 POINT FRASER BRIDGE STAGE 24 & 25 SECTION
 S317 SCALE: 1 : 1400



2 PFB - STAGE 24 & 25 3D
 S317 SCALE:

NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

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A	20-10-21	ISSUED FOR APPAROVAL	RSH
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APPROVED BY:

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 DATE: _____

SHEET CONTENTS:
 POINT FRASER BRIDGE BR 9506
 INSTALLATION SEQUENCE
 STAGE 24 & 25

DESIGNED: RSH	DATE: 20-10-21	Q.A. CHECK: WSBL	DATE: 09-11-21	SCALE: As indicated
ISSUE: ARV	DWG No.: FS3196A - S317	ISSUE TYPE: APPROVAL		

SHEET SIZE:
A3

ISSUE:
B