

STRUCTURES PLANS

DRAWING NUMBER

C745-WP3_04-XX-XX-XXX-DR-MMD-SE-1000
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0100
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0110
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0120
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0130
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0140
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0150
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0160
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0170
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0180
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0190
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0200
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0210
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0220
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0230
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0240
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0250
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0260
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0270
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0280
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0290
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 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0310
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0320
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0330
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0340
 C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0350

DRAWING TITLE

STRUCTURES PLANS. TITLE SHEET AND KEY PLAN
 EXISTING OVERBRIDGE OBY1A. CH611 GLOUNTHAUNE, PLAN, SECTION & DETAILS
 EXISTING OVERBRIDGE OBY1. CH1663 KILLACLOYNE BRIDGE, PLAN, SECTION & DETAILS
 EXISTING OVERBRIDGE OBY2. CH1972 MALY'S BRIDGE KILLACLOYNE, PLAN, SECTION & DETAILS
 EXISTING OVERBRIDGE OBY3A. CH2890 IDA OVERBRIDGE, PLAN, SECTION & DETAILS
 EXISTING OVERBRIDGE OBY4. CH3239 HERITAGE BRIDGE, WISE'S BRIDGE, PLAN, SECTION & DETAILS
 EXISTING OVERBRIDGE OBY5D. CH4200 FOOTBRIDGE CARRIGTWOHILL STATION, PLAN, SECTION & DETAILS
 EXISTING OVERBRIDGE OBY6. CH4274 - BARRY'S BRIDGE, PLAN, SECTION & DETAILS
 EXISTING OVERBRIDGE OBY7. CH6031 BALLYADAM BRIDGE, PLAN, SECTION & DETAILS
 EXISTING OVERBRIDGE OBY8 (To be Demolished). CH6487 BALLYADAM HOUSE BRIDGE, PLAN, SECTION & DETAILS
 EXISTING OVERBRIDGE OBY8A. CH7134 BALLYADAM, PLAN, SECTION & DETAILS
 EXISTING OVERBRIDGE OBY8B. CH8304 WATERROCK, PLAN, SECTION & DETAILS
 EXISTING OVERBRIDGE OBY9B. CH9523 NORTHERN RELIEF ROAD, PLAN, SECTION & DETAILS
 EXISTING OVERBRIDGE OBY13. CH10222 FOOTBRIDGE MIDLETON STATION, PLAN, SECTION & DETAILS
 EXISTING OVERBRIDGE OBY11. CH9854 OWENACURRA RIVER BRIDGE, PLAN, SECTION & DETAILS
 IDA OPEN CULVERT AND CULVERT OBY2A. CH1997 TO CH2200, PLAN, SECTION & DETAILS
 STRUCTURES TYPICAL DETAILS, SHEET PILE AND GABION WALL
 EXISTING CULVERT OBY1B. CH1346, PLAN, SECTION & ELEVATION
 EXISTING CULVERT OBY1C. CH1700, PLAN, SECTION & ELEVATION
 EXISTING CULVERT OBY5. CH3600, PLAN, SECTIONS AND ELEVATIONS
 EXISTING CULVERT OBY5A. CH3750, PLAN, SECTIONS AND ELEVATIONS
 EXISTING CULVERT OBY5B. CH3965, PLAN, SECTIONS AND ELEVATIONS
 EXISTING CULVERT OBY5C. CH4024, PLAN, SECTIONS AND ELEVATIONS
 EXISTING CULVERT OBY6A. CH4418, PLAN, SECTIONS AND ELEVATIONS
 EXISTING CULVERT OBY6B. CH5317, PLAN, SECTIONS AND ELEVATIONS
 EXISTING CULVERT OBY6C. CH5460, PLAN, SECTIONS AND ELEVATIONS
 EXISTING CULVERT OBY12. CH10000, PLAN, SECTIONS AND ELEVATIONS





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Government of Ireland

Tionscadal Éireann
Project Ireland
2040



NTA
Údarás Náisiúnta Iompair
National Transport Authority

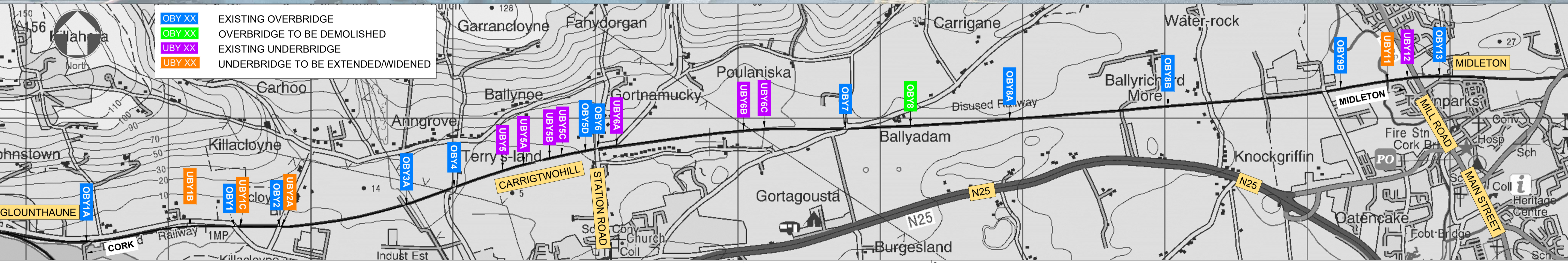


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Aontas Eorpach
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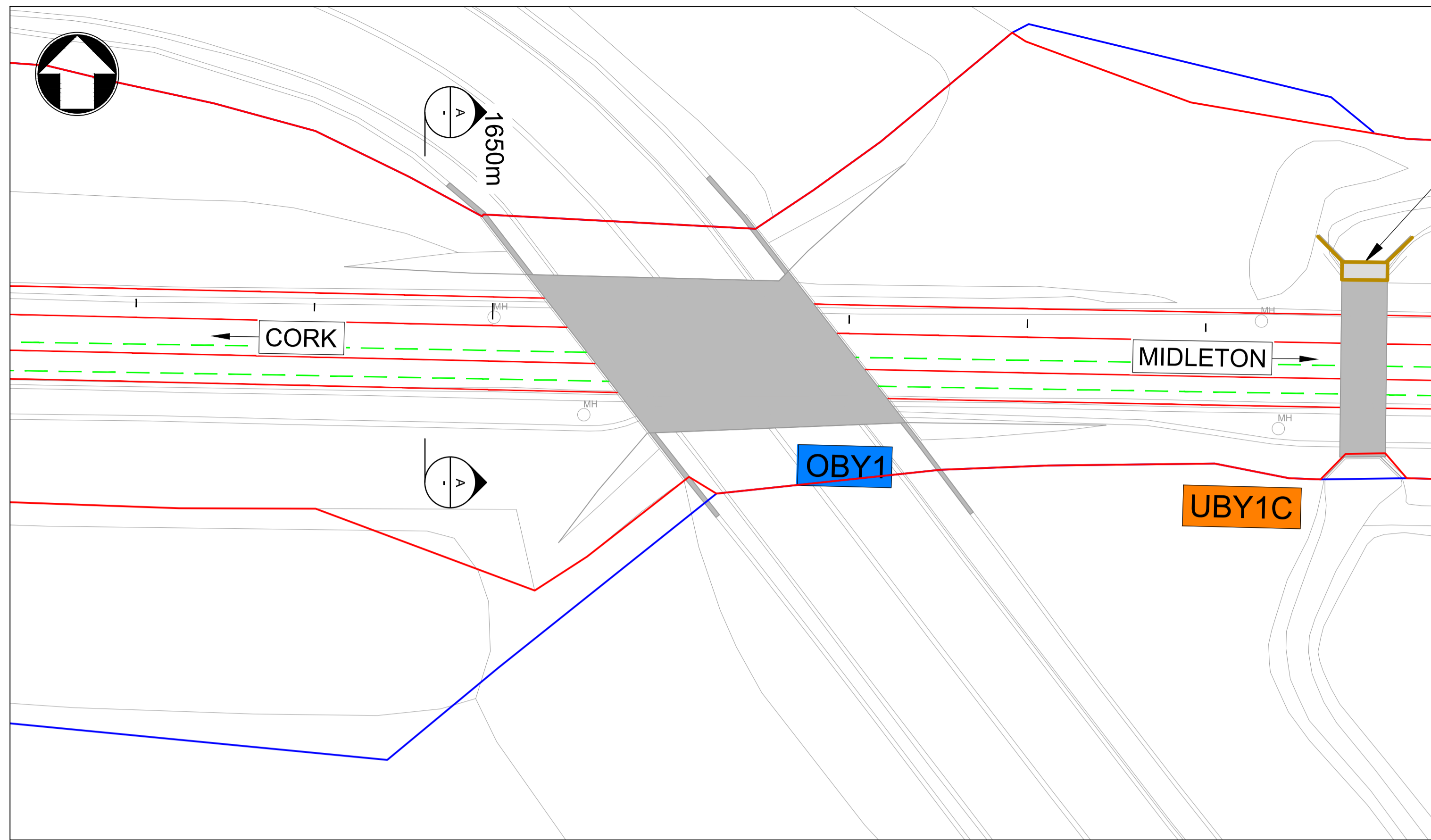
Iarnród Éireann
Irish Rail



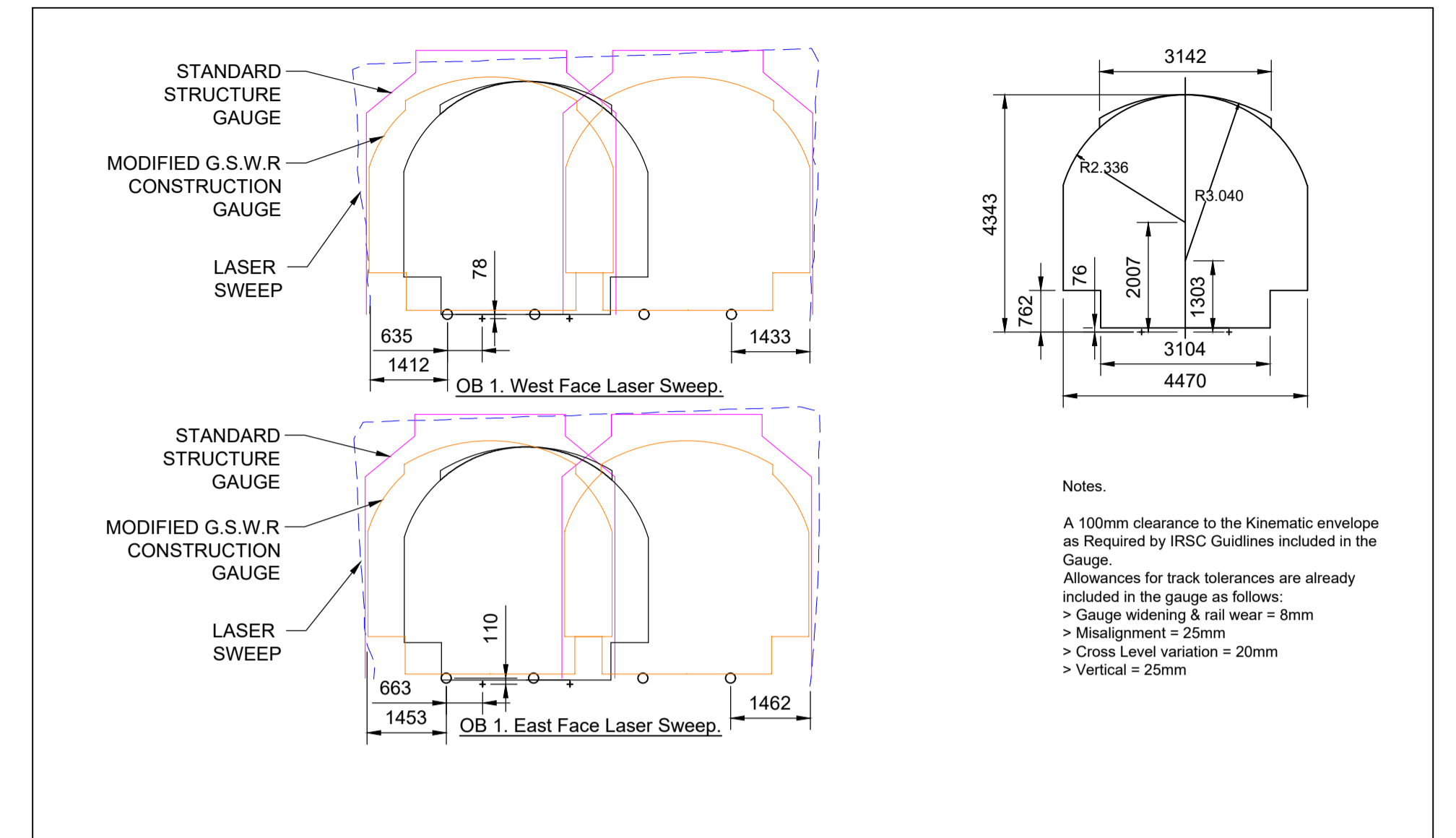


GLOUNTHAUNE - MIDLETON TWIN TRACK PROJECT

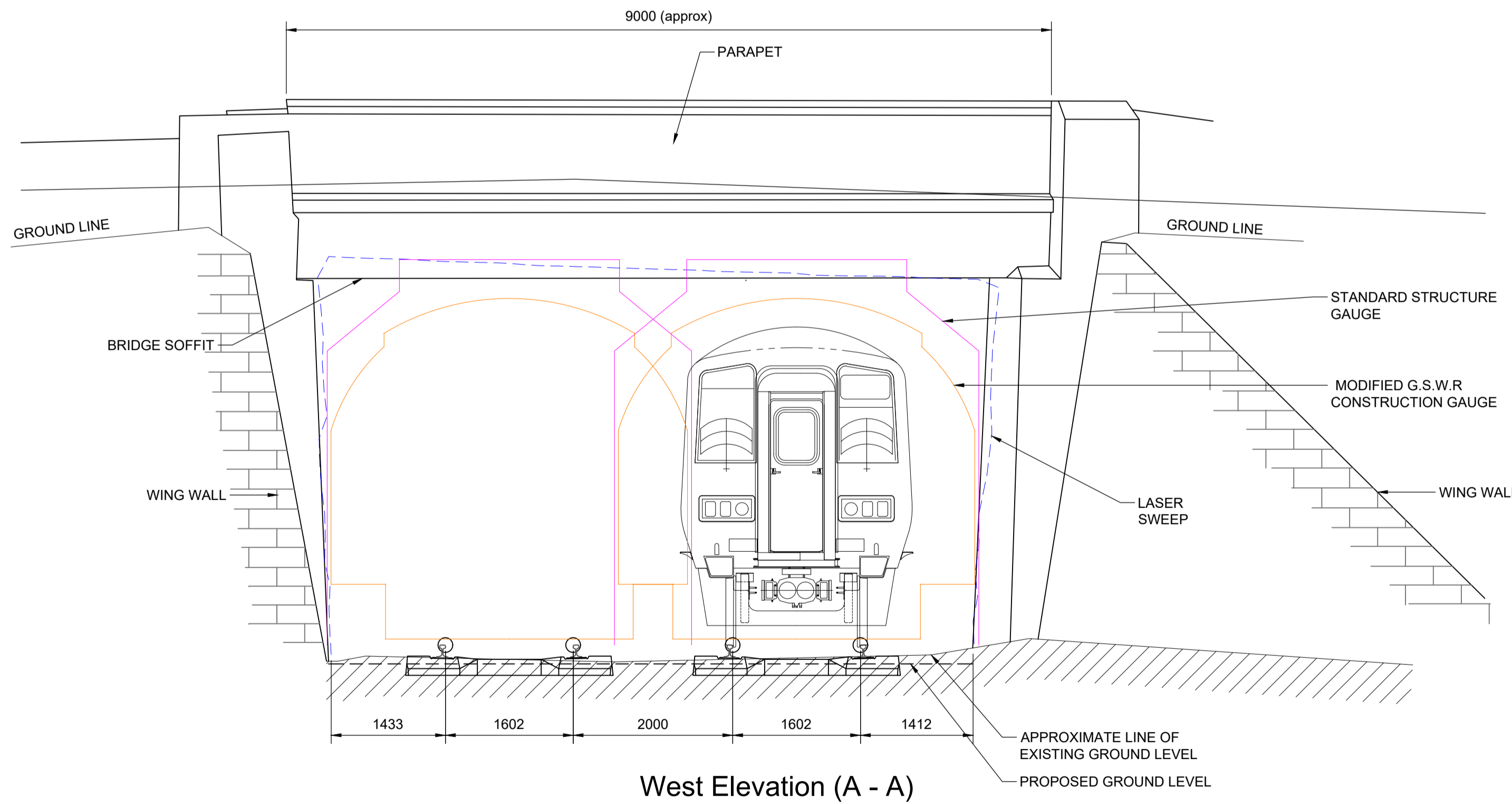
<p>Client Iarnród Éireann-Irish Rail Connolly Station Amiens Street Dublin 1 D01 V8V6</p>		<p>Project Title CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK</p>																															
<p>© Ordnance Survey Ireland/Government of Ireland. Ordnance Survey Ireland Licence Number: 2022/OSI_NMA_180 National Transport Authority.</p>		<p>Drawing Title STRUCTURES PLANS TITLE SHEET AND KEY PLAN</p>																															
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<p>MOTT MACDONALD 5 Eastgate Avenue Eastgate Little Island Cork Ireland T +353 (0) 21 4809800 F +353 (0) 21 4809801 W www.mottmac.com</p>		<p>Sheet 1 of 1</p>																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>P01</td> <td>22/09/22</td> <td>RS</td> <td>NS</td> <td>JM</td> <td>PHASE 3: PRELIMINARY DESIGN</td> </tr> <tr> <th>Rev</th> <th>Date</th> <th>Drawn</th> <th>Eng Check</th> <th>Appr</th> <th>Description</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		P01	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN	Rev	Date	Drawn	Eng Check	Appr	Description							<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Coordination</td> <td>Approved</td> <td>Scale @A1: NTS</td> <td>Acceptance</td> <td>Purpose</td> <td>Rev</td> </tr> <tr> <td>N.SAMACHETTY</td> <td>J.MCINERNEY</td> <td>Scale @A3: NTS</td> <td>S</td> <td>P3</td> <td>P01</td> </tr> </table>		Coordination	Approved	Scale @A1: NTS	Acceptance	Purpose	Rev	N.SAMACHETTY	J.MCINERNEY	Scale @A3: NTS	S	P3	P01
P01	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN																												
Rev	Date	Drawn	Eng Check	Appr	Description																												
Coordination	Approved	Scale @A1: NTS	Acceptance	Purpose	Rev																												
N.SAMACHETTY	J.MCINERNEY	Scale @A3: NTS	S	P3	P01																												
DO NOT SCALE USE FIGURED DIMENSIONS ONLY																																	



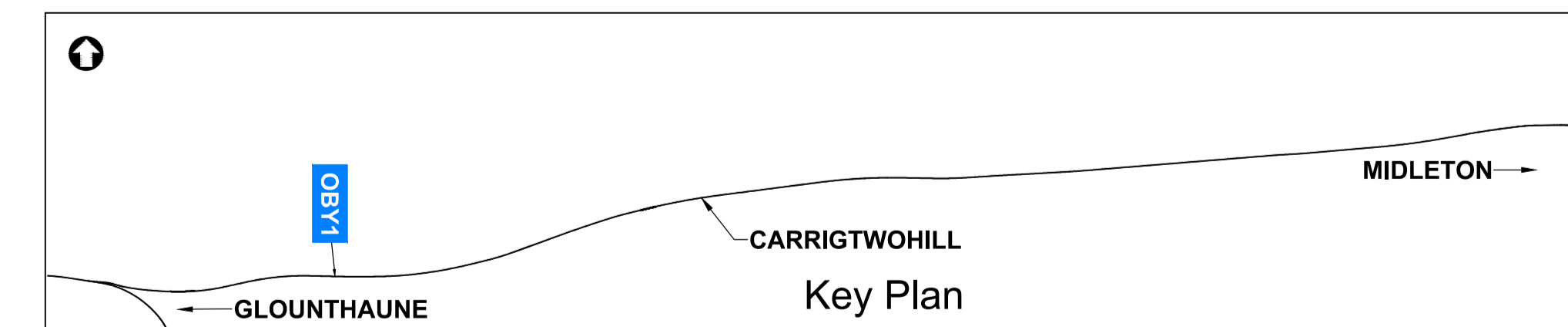
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1:200 @ A1, 1:400 @ A3



As Built Bridge Survey
1:100 @ A1, 1:200 @ A3



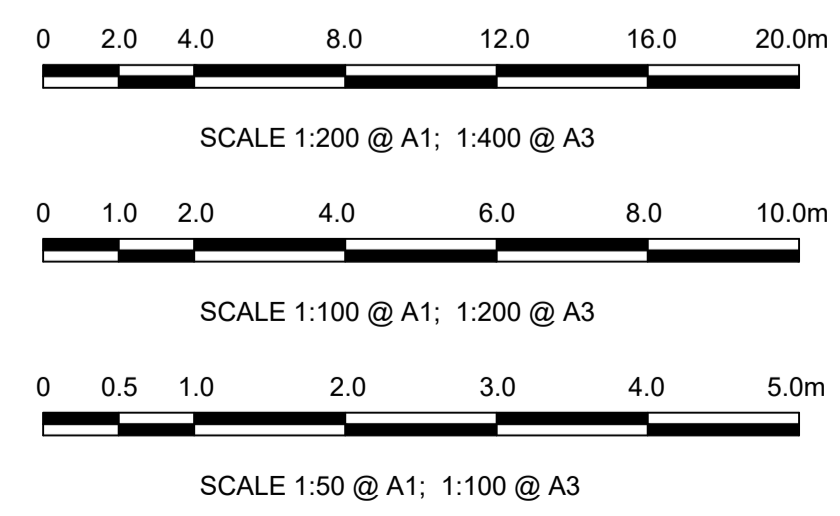
West Elevation (A - A)
1:50 @ A1, 1:100 @ A3



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LEGEND

	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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Iarnród Éireann Irish Rail and **CIE** logos.

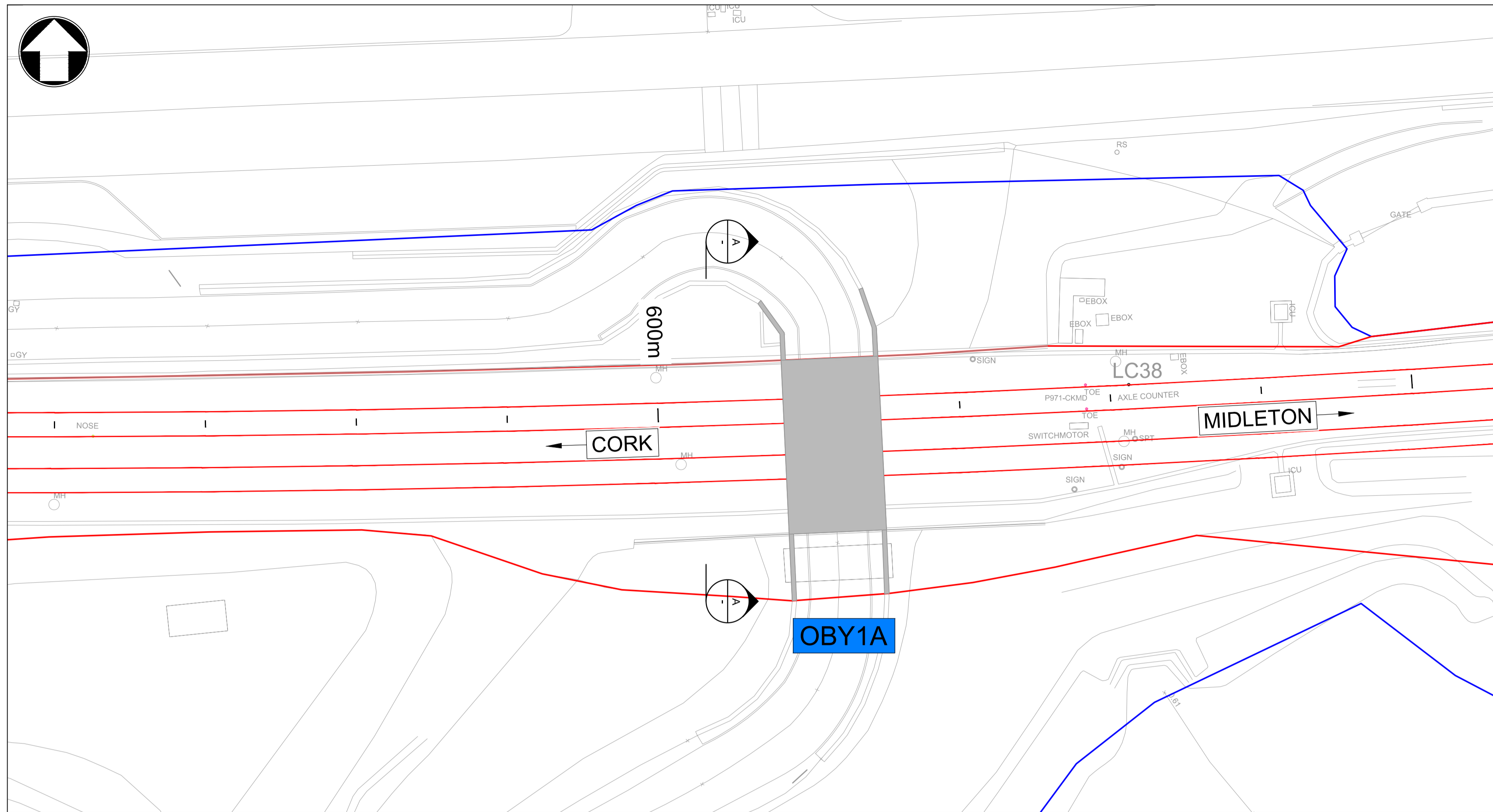
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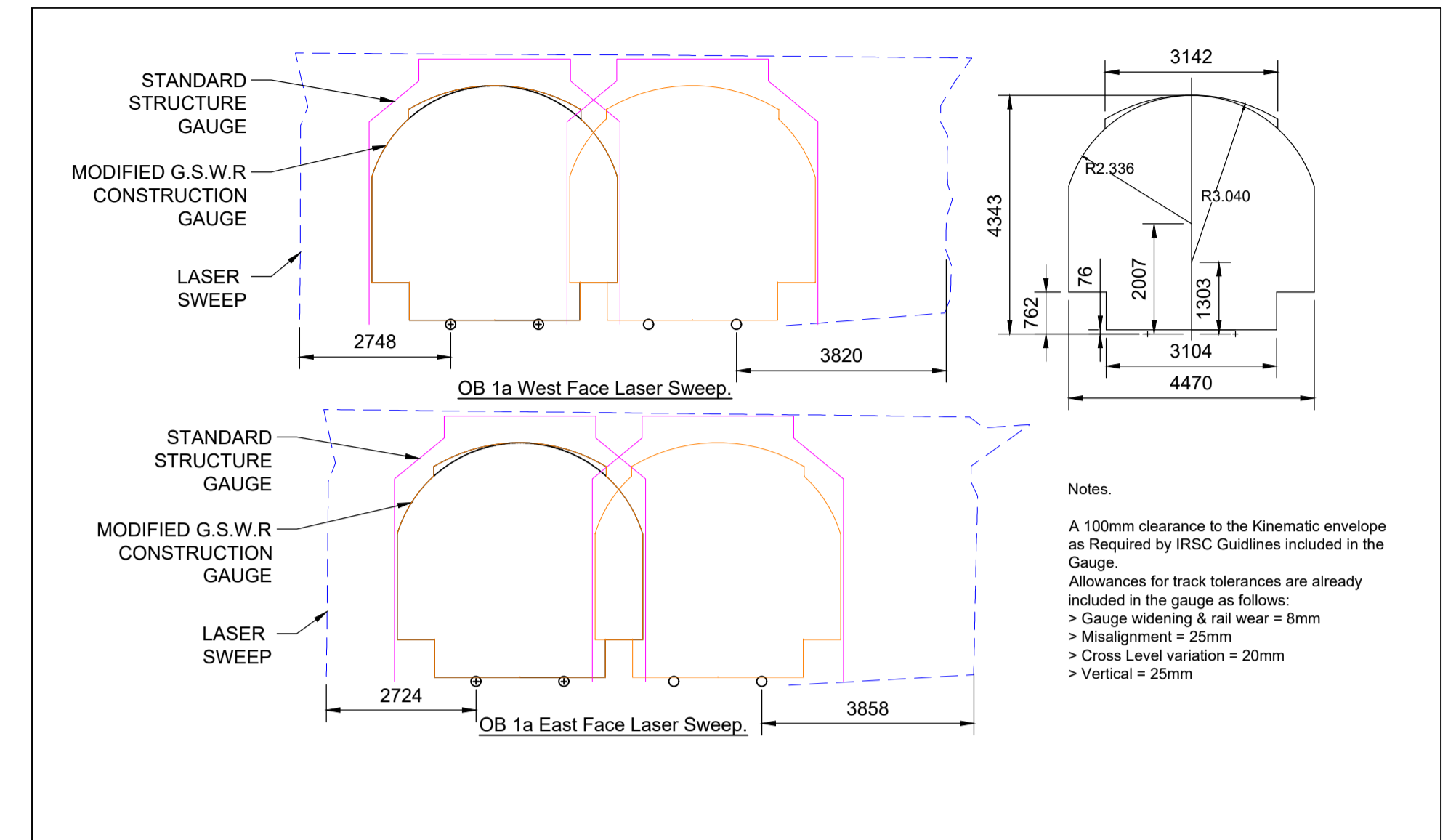
Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RS	DA	JM	Preliminary Design for Public Consultation
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN

Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD	Dwg check	R. SEXTON	Eng check	N. SAMACHETTY
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Project Title		CORK AREA COMMUTER RAIL	
Drawing Title		GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing File Name		C745-WP3 03-XX-XX-XXX-DR-MMD-SE-0110	
Coordination	Approved	Scale @A1: AS SHOWN	Acceptance
N.SAMACHETTY	J.MCINERNEY	Scale @A3: AS SHOWN	S
Sheet	2	Purpose	P1
of	26	Rev	P02



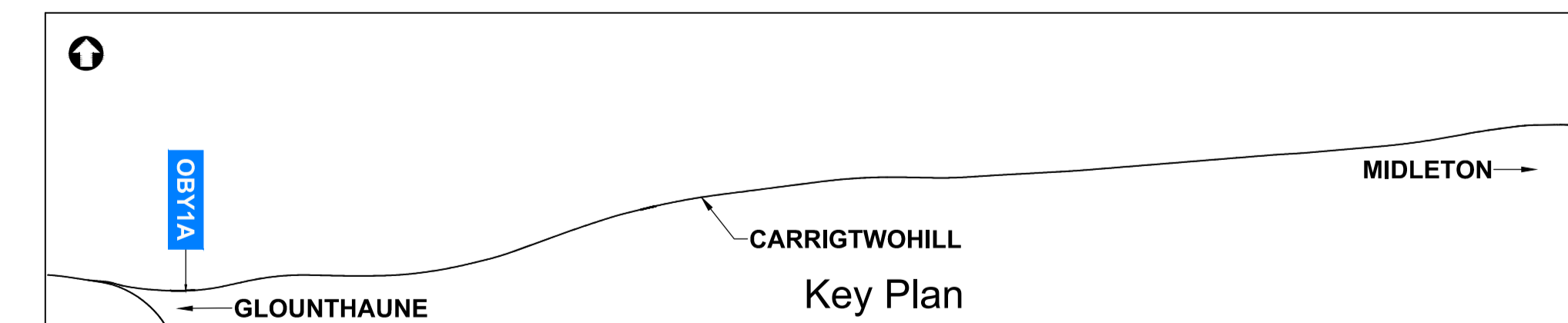
Plan
1:200 @ A1, 1:400 @ A3



As Built Bridge Survey
1:100 @ A1, 1:200 @ A3



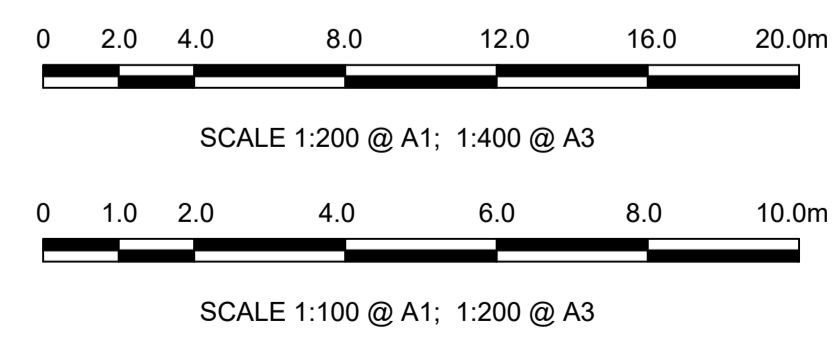
West Elevation (A-A)
1:100 @ A1, 1:200 @ A3



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LEGEND

	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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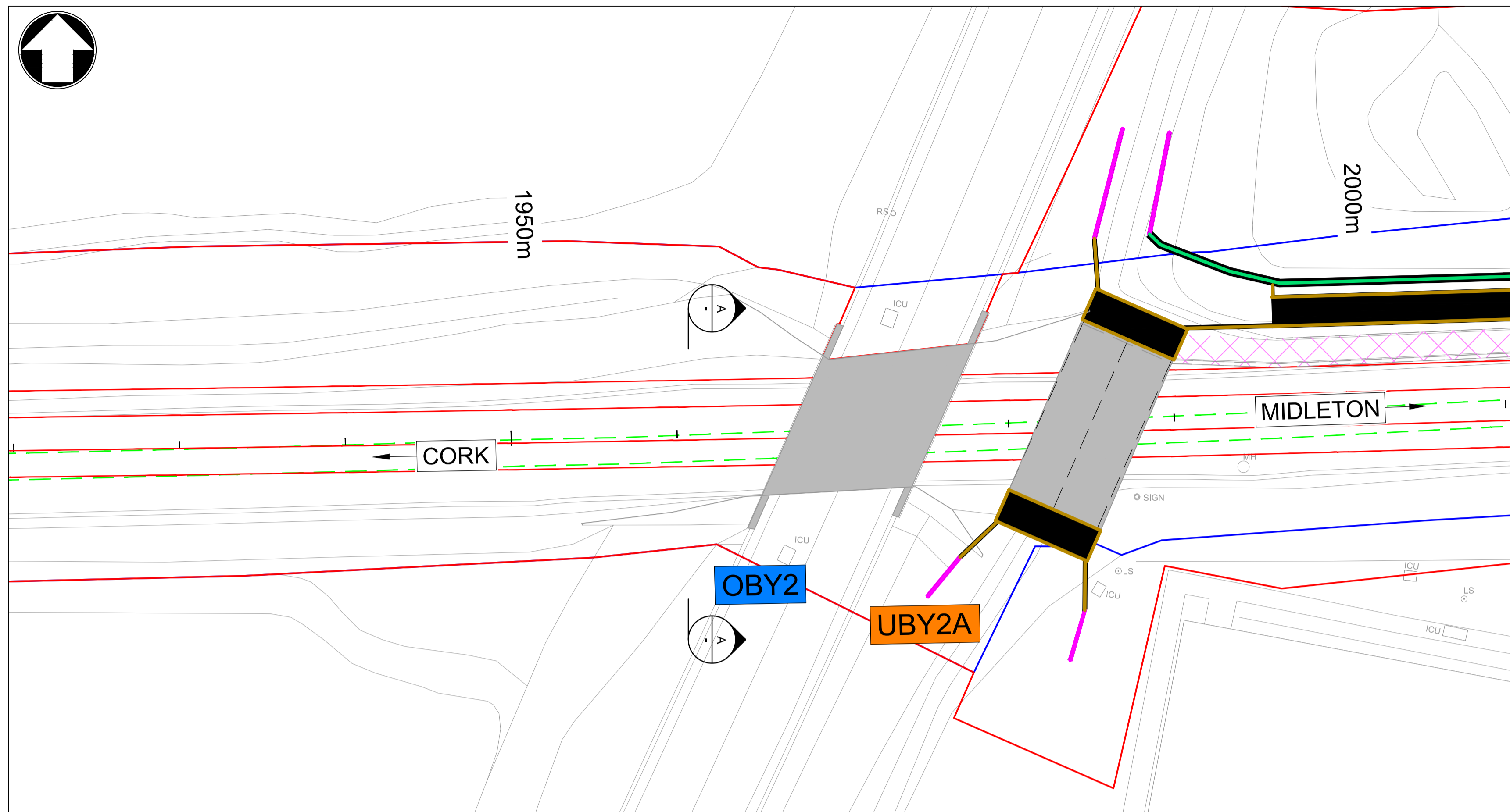
Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RS	DA	JM	Preliminary Design for Public Consultation
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN

Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD	Dwg check	R. SEXTON	Eng check	N. SAMACHETTY
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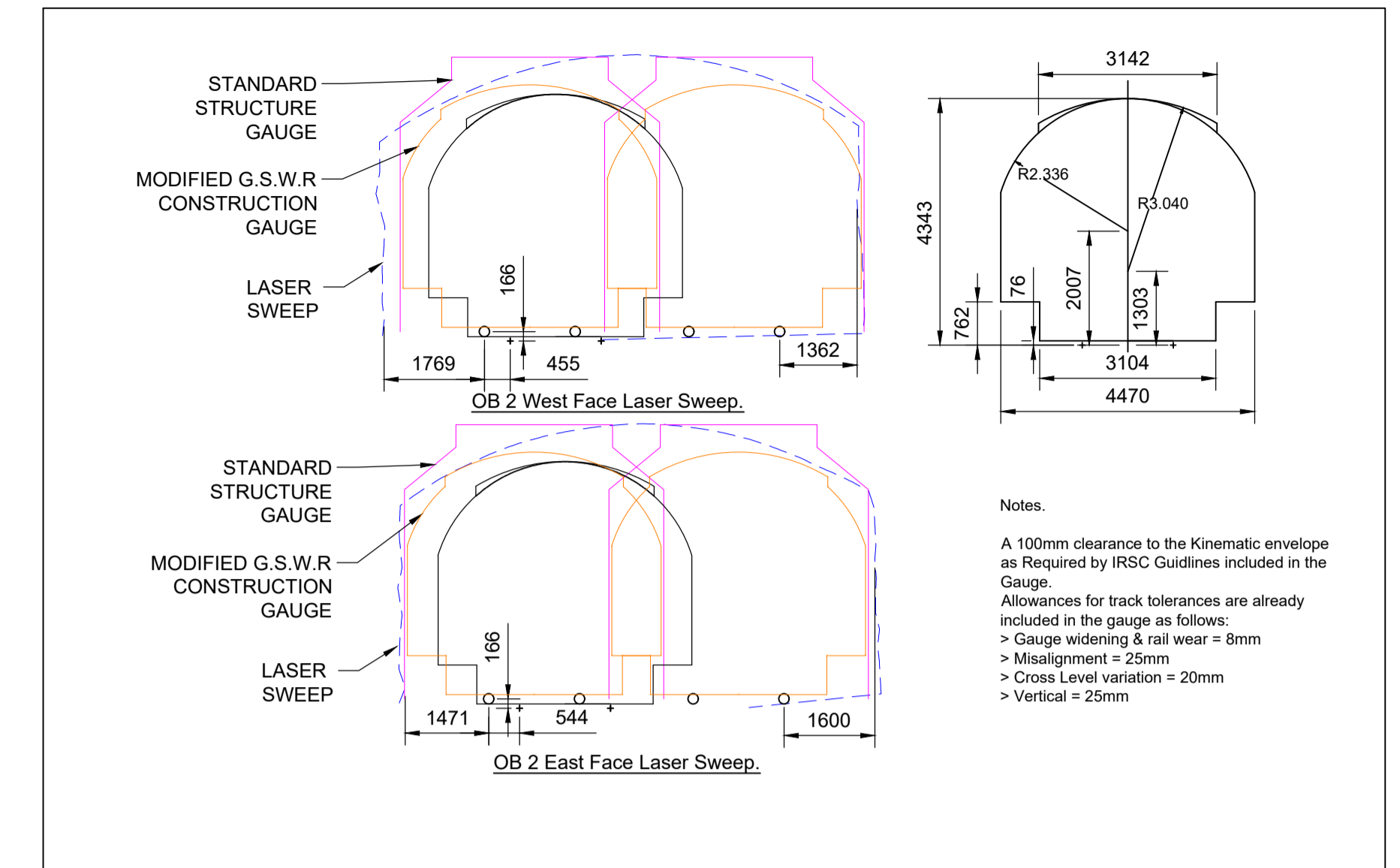
Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: EXISTING OVERBRIDGE OBY1A
CH611 GLOUNTHAUNE
PLAN, SECTION & DETAILS

Drawing File Name	C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0100	Sheet	1 of 26
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1: AS SHOWN	Scale @A3: AS SHOWN	Acceptance	S
Purpose	P1	Rev	P02

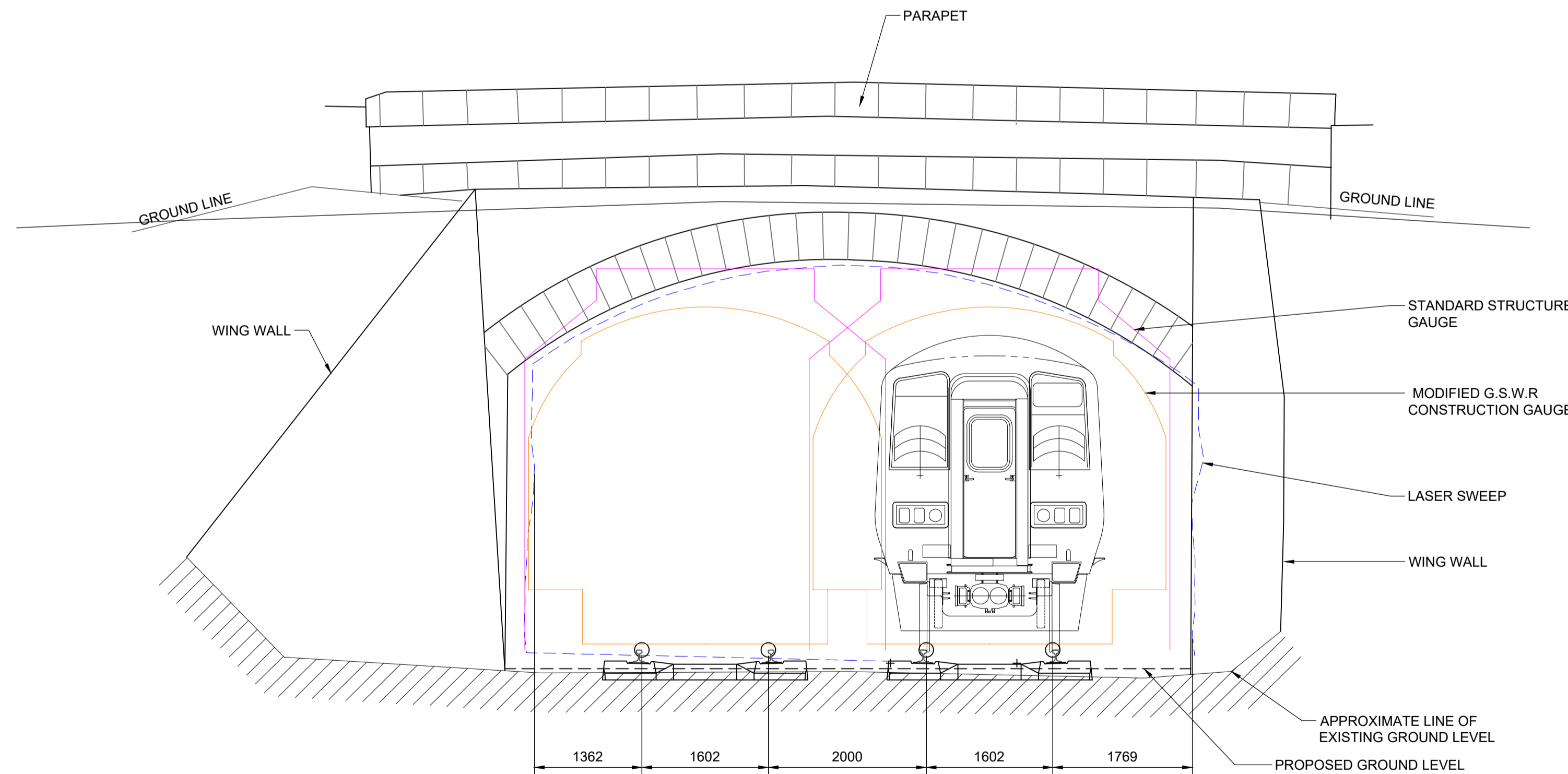


Plan
1:200 @ A1, 1:400 @ A3

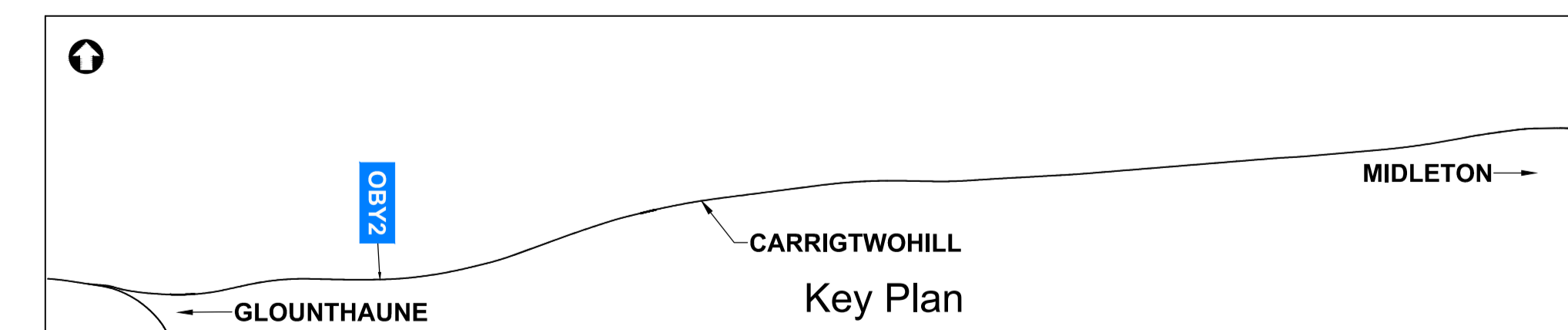


Notes:
A 100mm clearance to the Kinematic envelope as Required by IRSC Guidelines included in the Gauge.
Allowances for track tolerances are already included in the gauge as follows:
> Gauge widening & rail wear = 8mm
> Misalignment = 25mm
> Cross Level variation = 20mm
> Vertical = 25mm

As Built Bridge Survey
1:100 @ A1, 1:200 @ A3



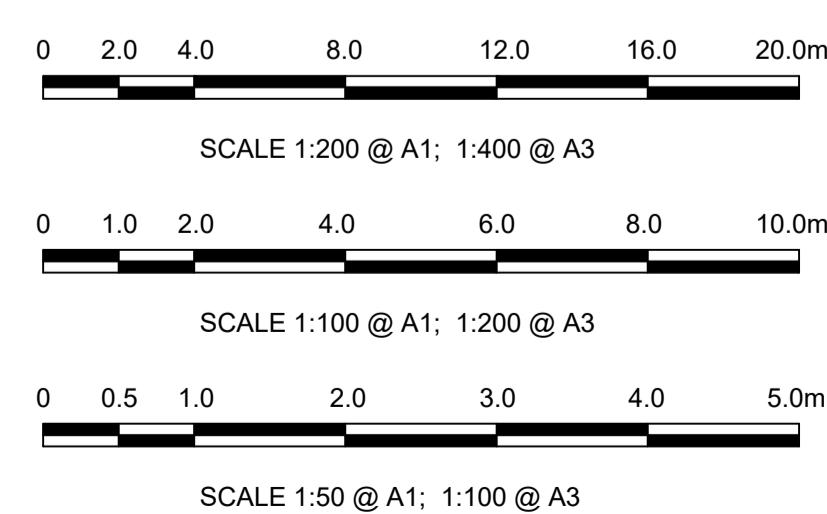
West Elevation (A - A)
1:50 @ A1, 1:100 @ A3



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LEGEND

	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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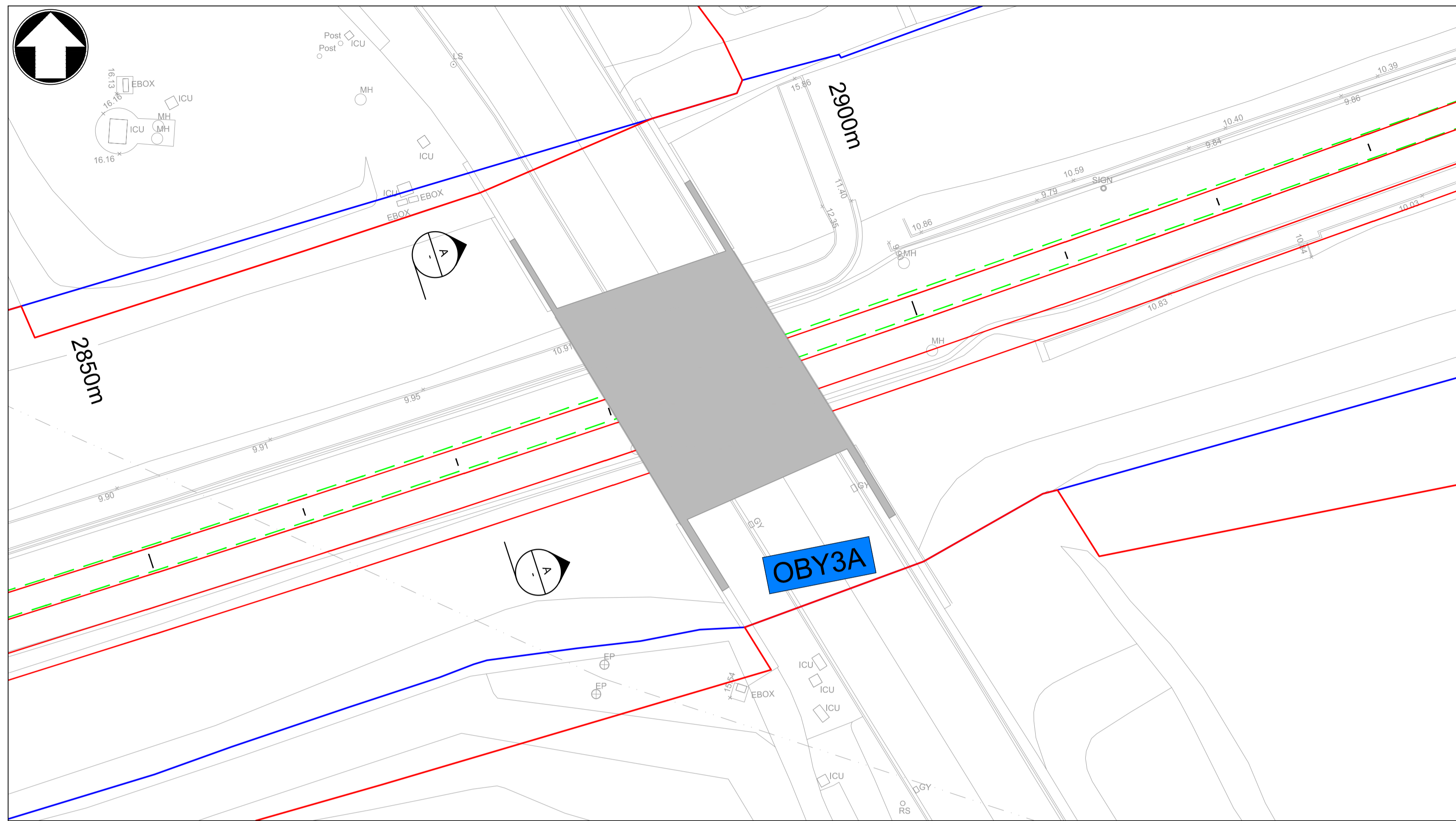
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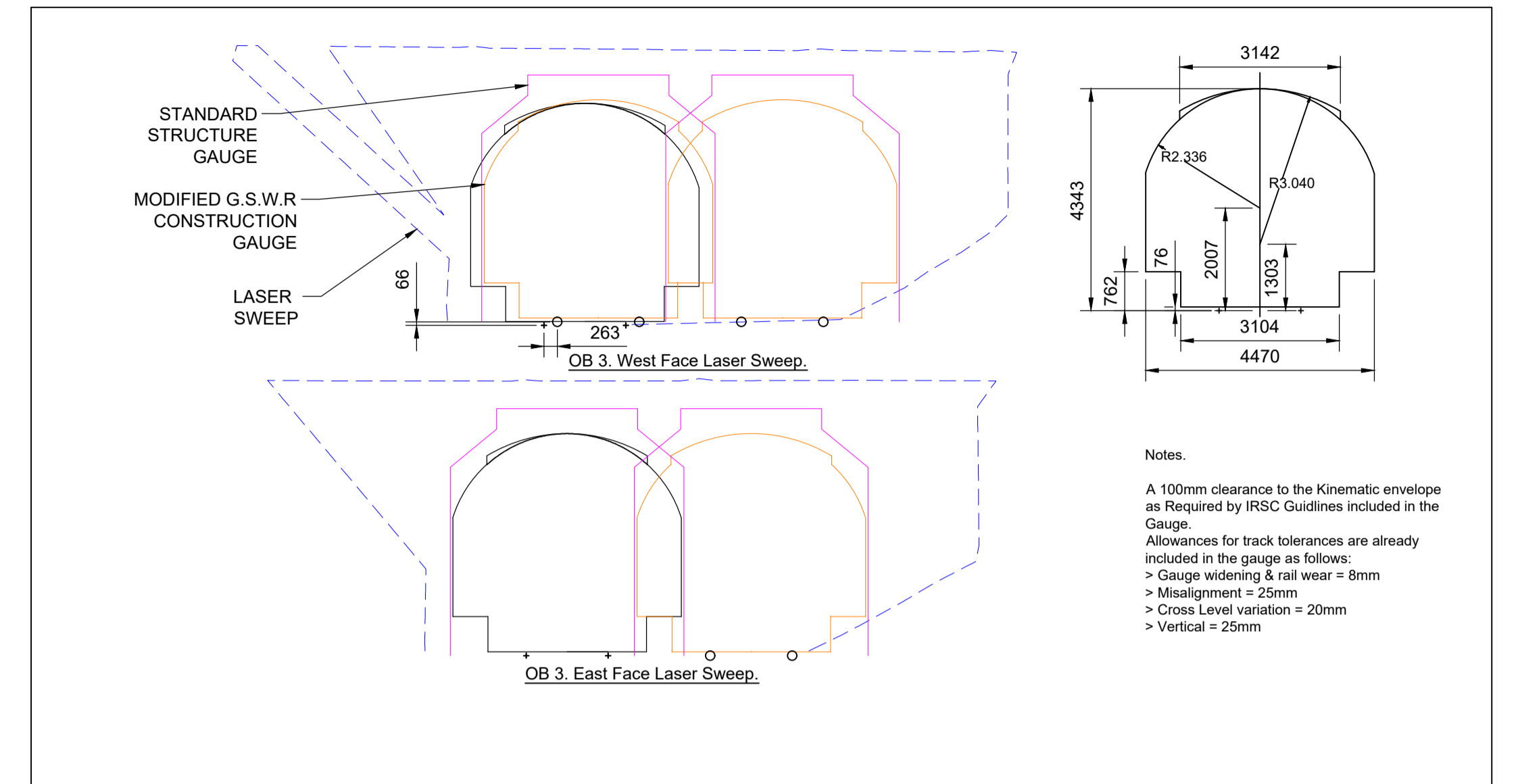
Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RS	DA	JM	Preliminary Design for Public Consultation
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN

Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD	Dwg check	R. SEXTON	Eng check	N. SAMACHETTY
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Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title		EXISTING OVERBRIDGE OBY2 CH1972 MALY'S BRIDGE KILLACLOYNE PLAN, SECTION & DETAILS	
Drawing File Name	C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0120	Sheet	3 of 26
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1: AS SHOWN	Scale @A3: AS SHOWN	Acceptance	S
Purpose	P1	Rev	P02

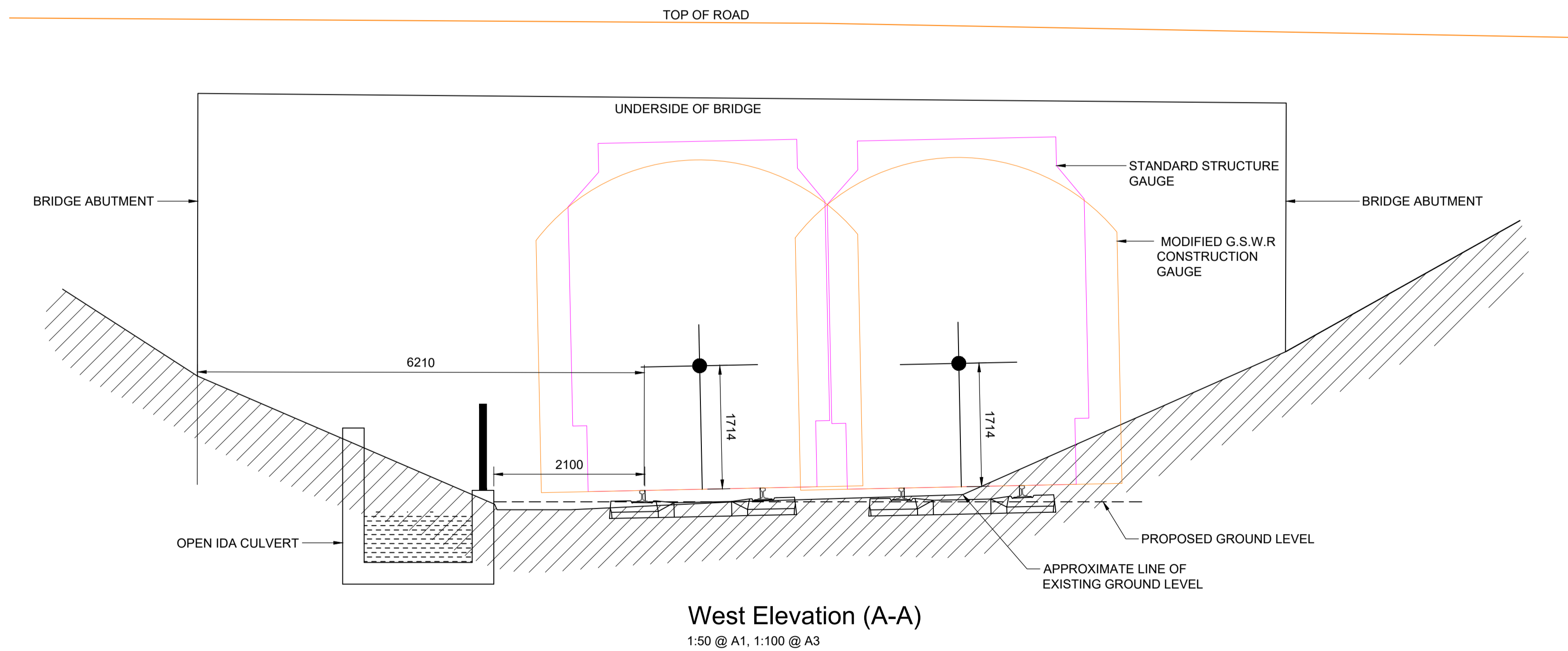


Plan
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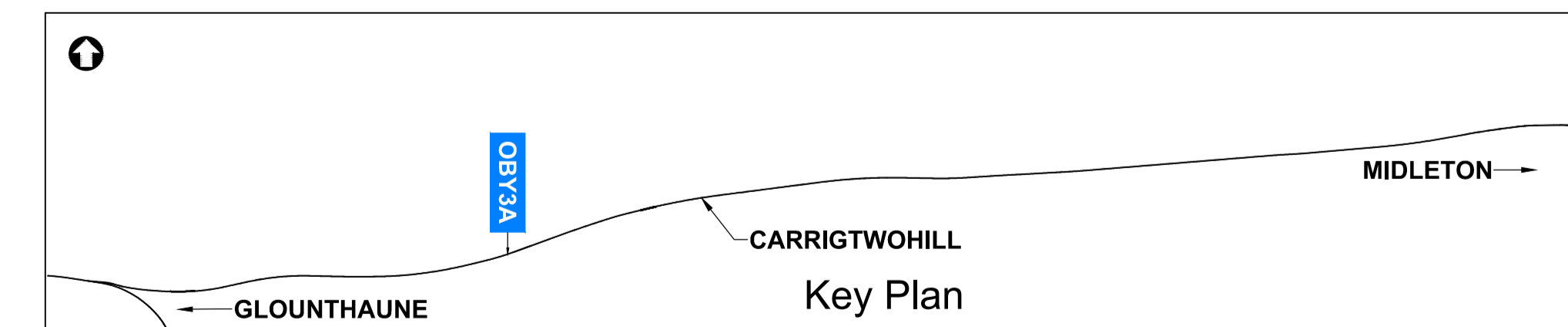


As Built Bridge Survey
1:100 @ A1, 1:200 @ A3

Notes:
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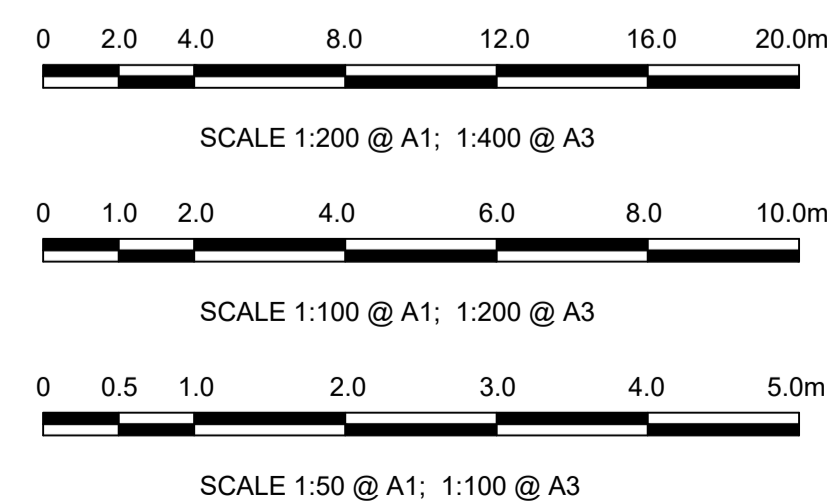
West Elevation (A-A)
1:50 @ A1, 1:100 @ A3



Key Plan

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LEGEND	
	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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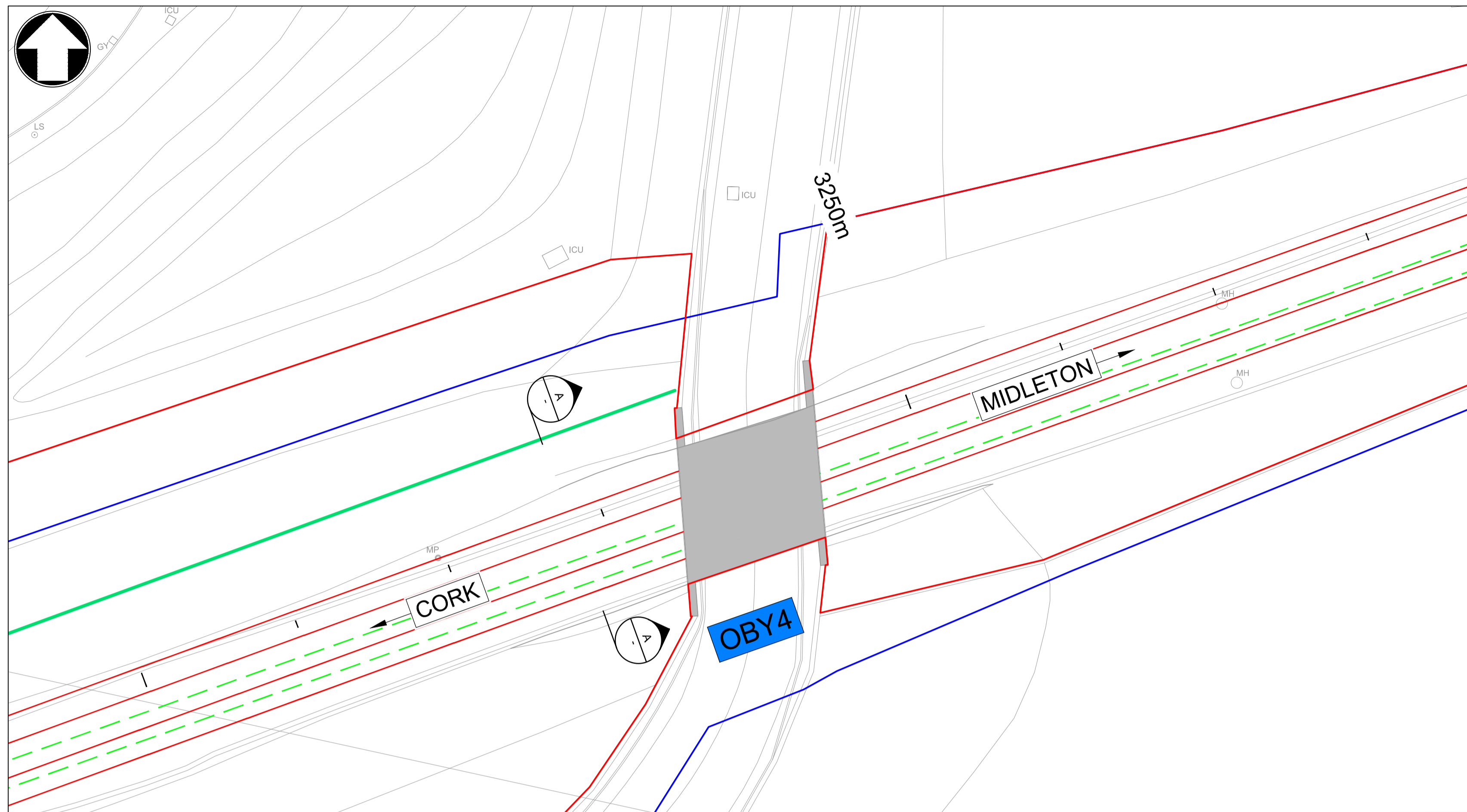
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Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RS	DA	JM	Preliminary Design for Public Consultation
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN

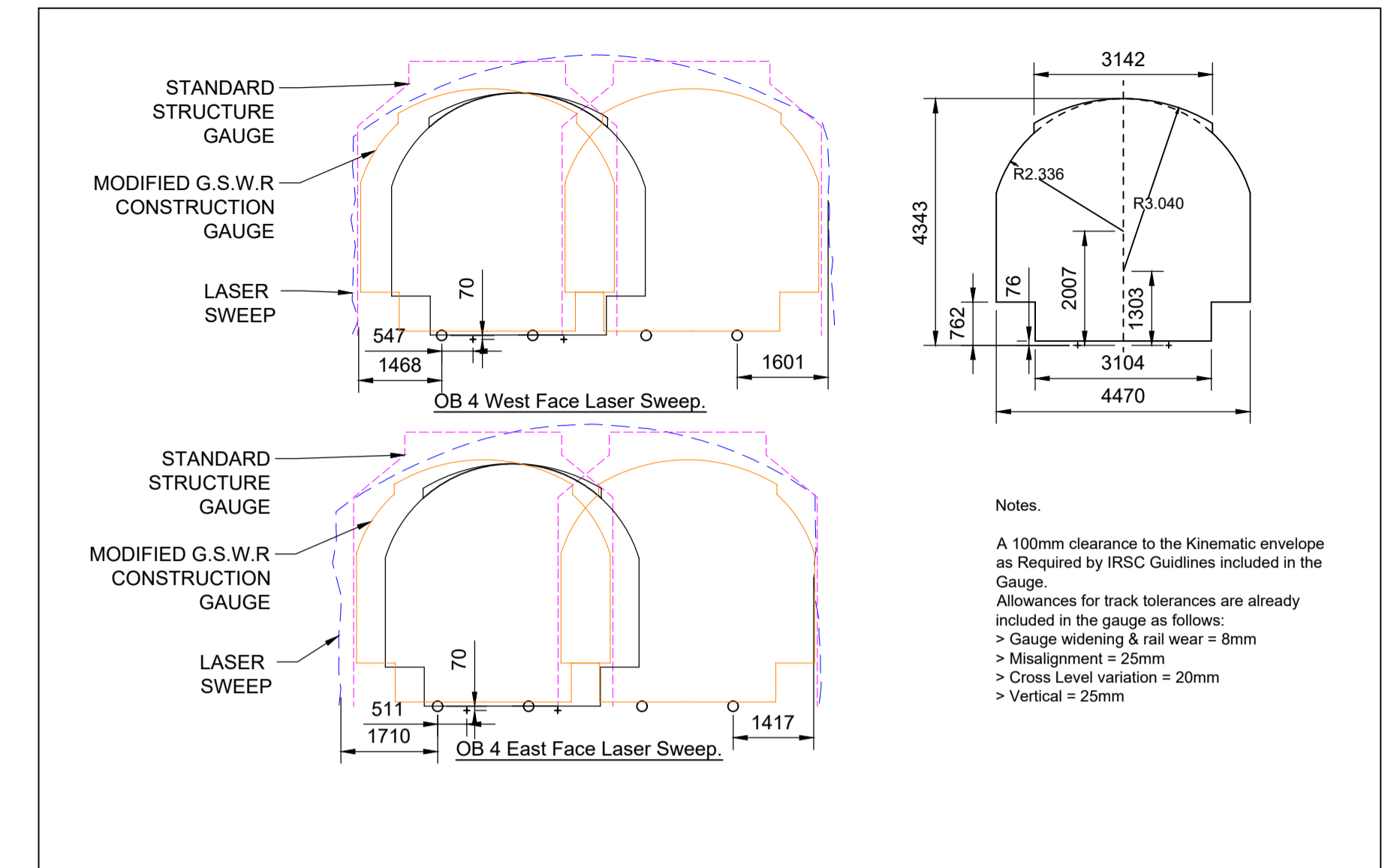
Date	Designed	Drawn	Dwg check	Eng check
22/09/22	R. SEXTON	R. SEWARD	R. SEXTON	N. SAMACHETTY

Project Title CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title EXISTING OVERBRIDGE OBY3A CH2890 IDA OVERBRIDGE PLAN, SECTION & DETAILS	
Drawing File Name C745-WP3 03-XX-XX-XXX-DR-MMD-SE-0130	Sheet 4 of 26
Coordination N.SAMACHETTY	Approved J.MCINERNEY
Scale @A1: AS SHOWN	Acceptance S
Scale @A3: AS SHOWN	Purpose P1
	Rev P02

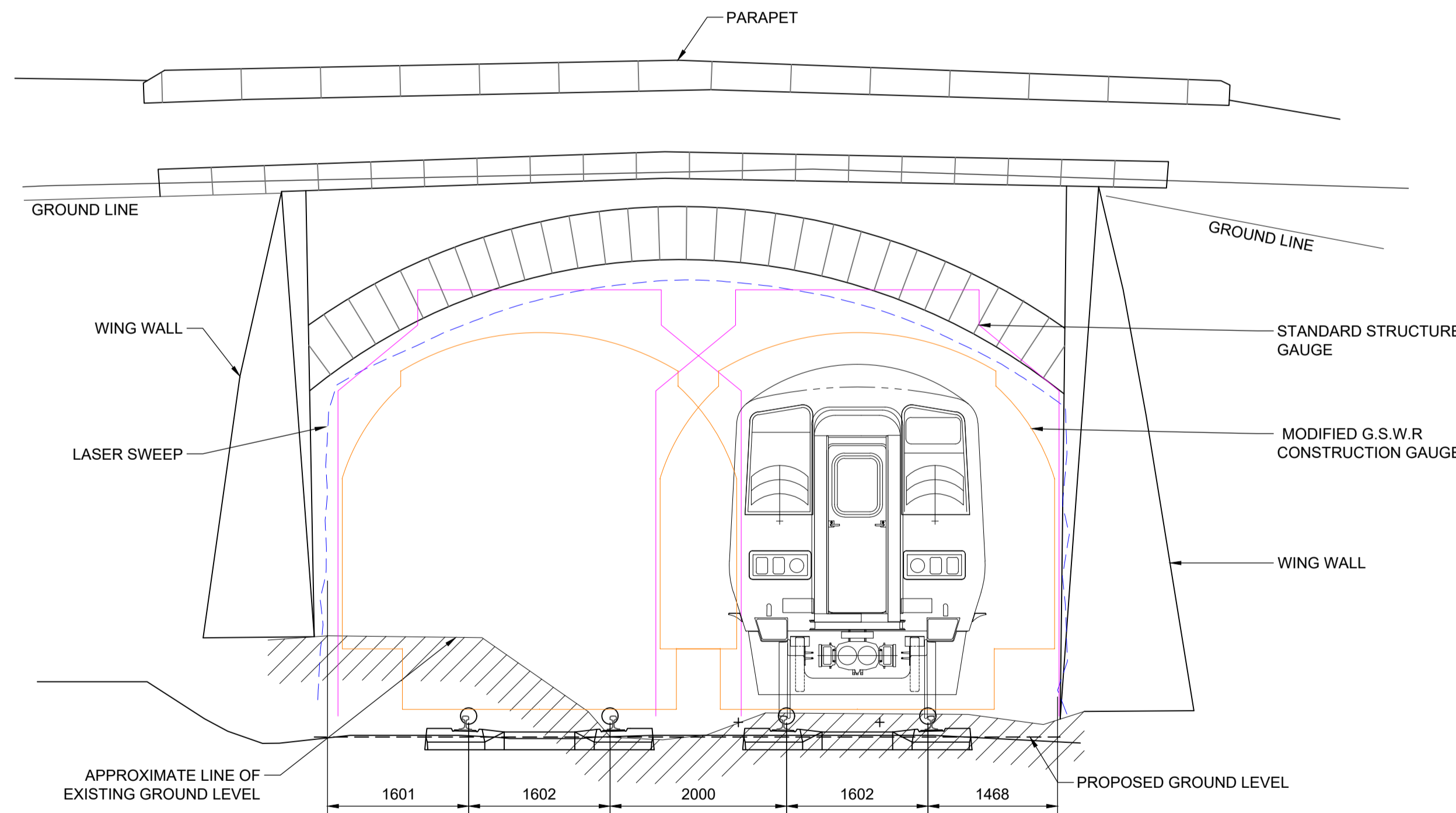
DO NOT SCALE USE FIGURED DIMENSIONS ONLY



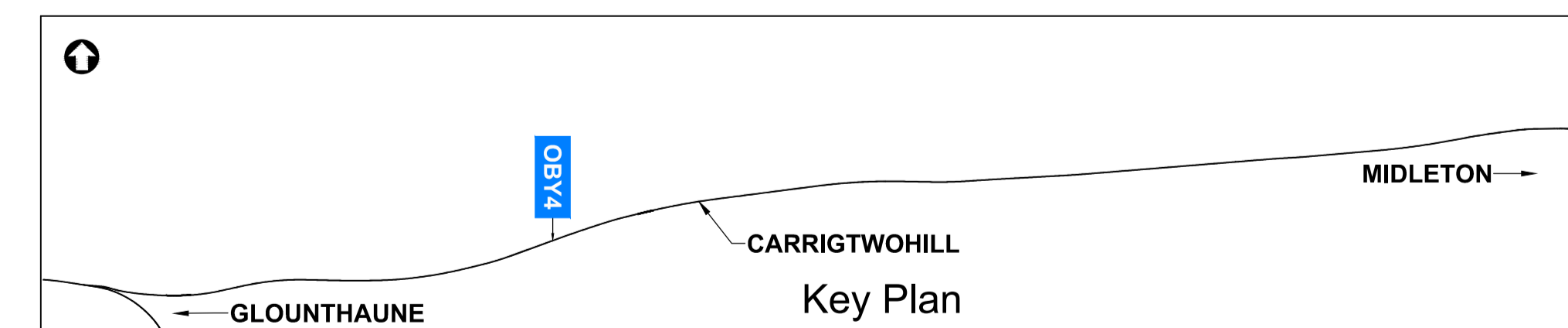
Plan
1:200 @ A1, 1:400 @ A3



As Built Bridge Survey
1:100 @ A1, 1:200 @ A3



West Elevation (A - A)
1:50 @ A1, 1:100 @ A3

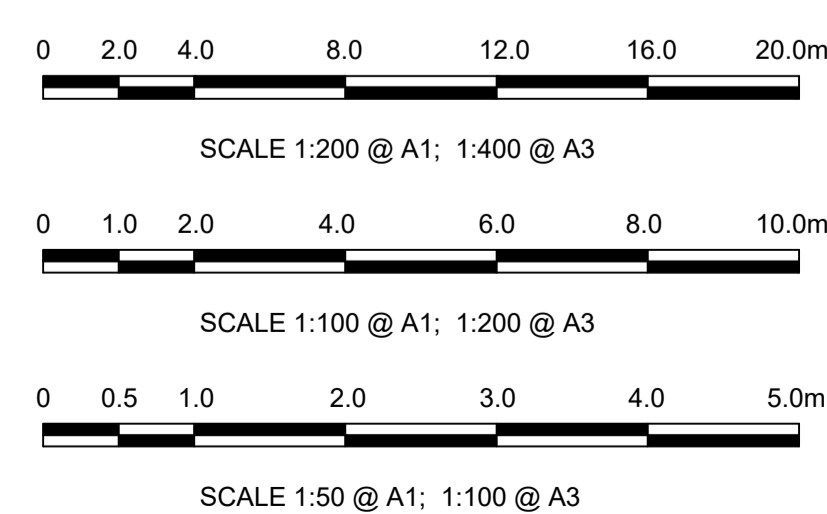


Key Plan

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LEGEND

	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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Irish Rail

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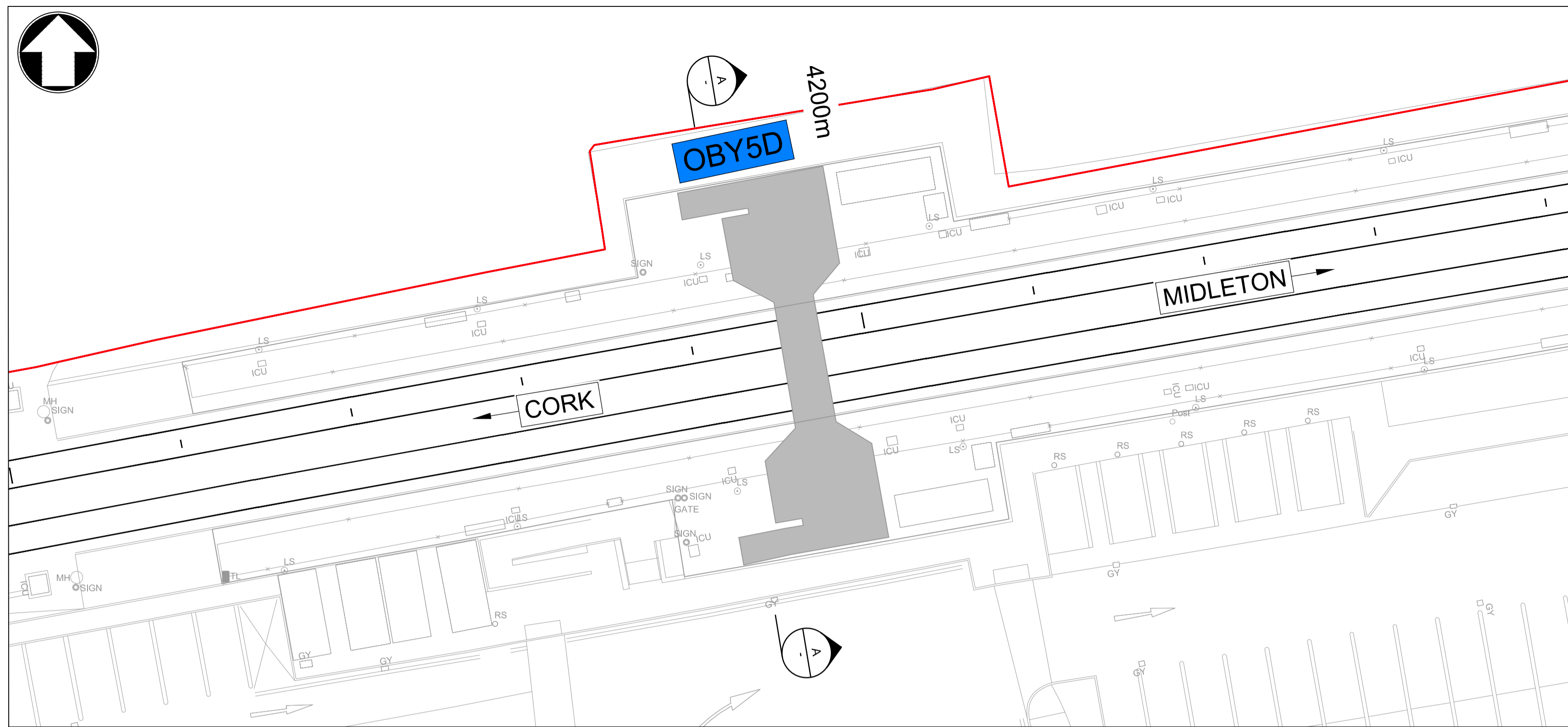
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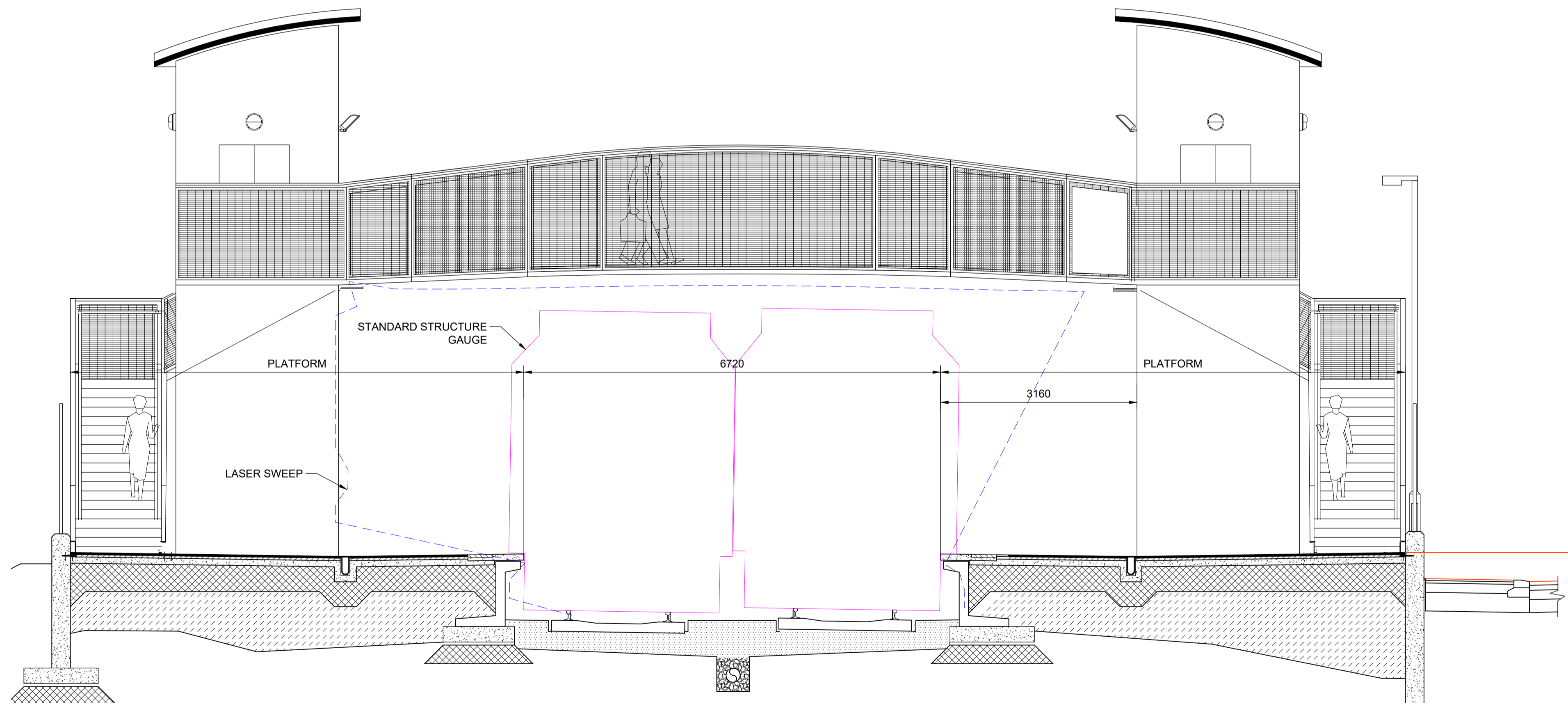
Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RS	DA	JM	Preliminary Design for Public Consultation
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN

Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD	Dwg check	R. SEXTON	Eng check	N. SAMACHETTY
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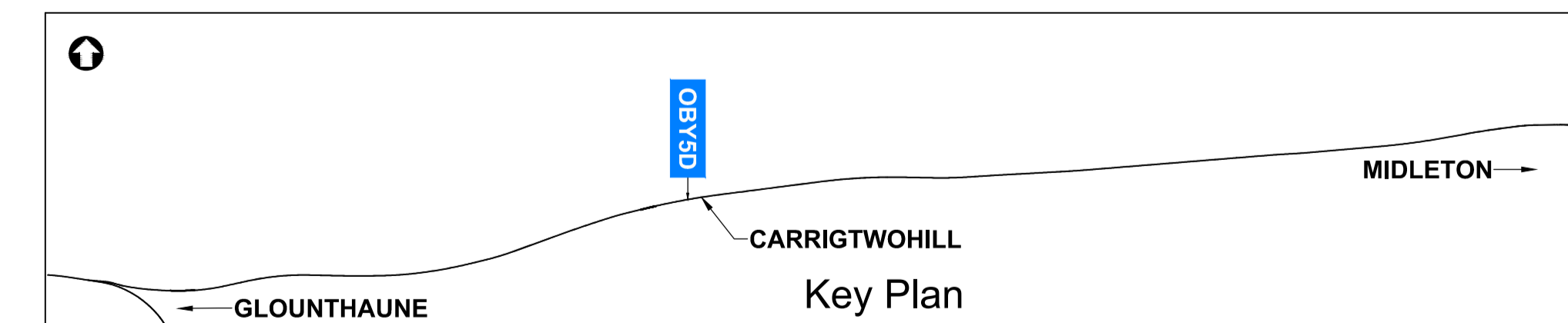
Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title		EXISTING OVERBRIDGE OB4 CH3239 HERITAGE BRIDGE, WISE'S BRIDGE PLAN, SECTION & DETAILS	
Drawing File Name	C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0140	Sheet	5 of 26
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1:	AS SHOWN	Acceptance	S
Scale @A3:	AS SHOWN	Purpose	P1
		Rev	P02



Plan
1:200 @ A1, 1:400 @ A3



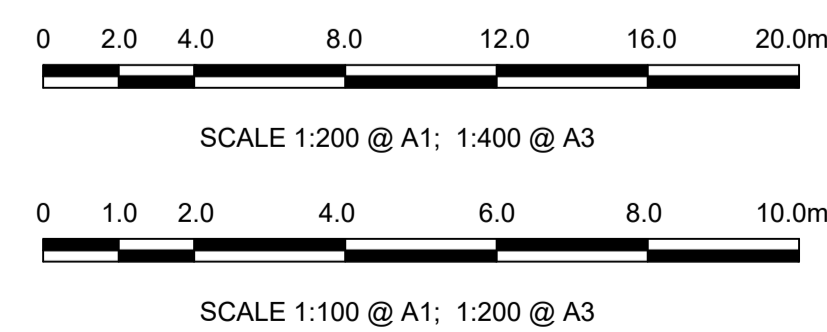
West Elevation (A-A)
1:100 @ A1, 1:200 @ A3



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LEGEND

	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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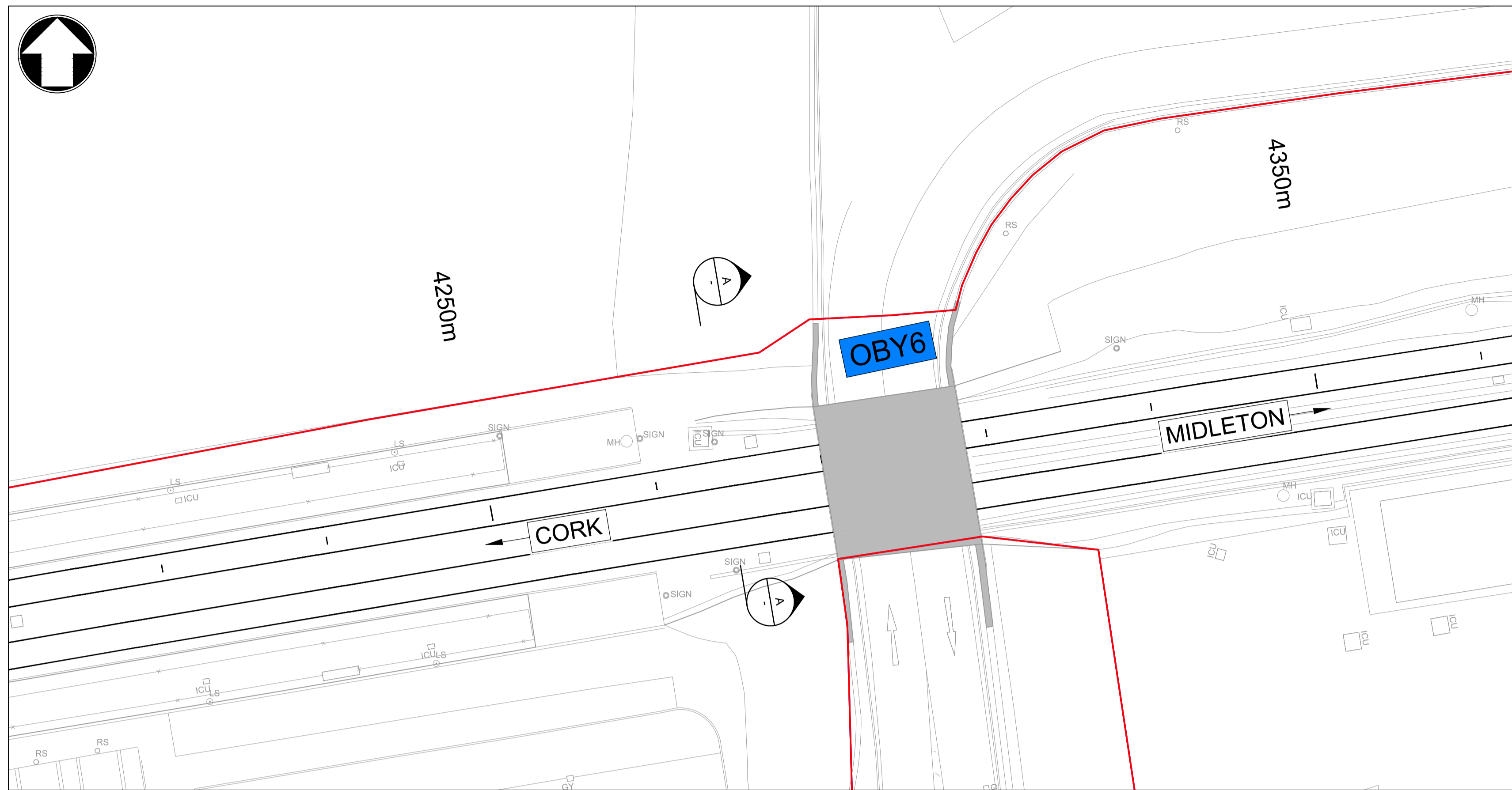
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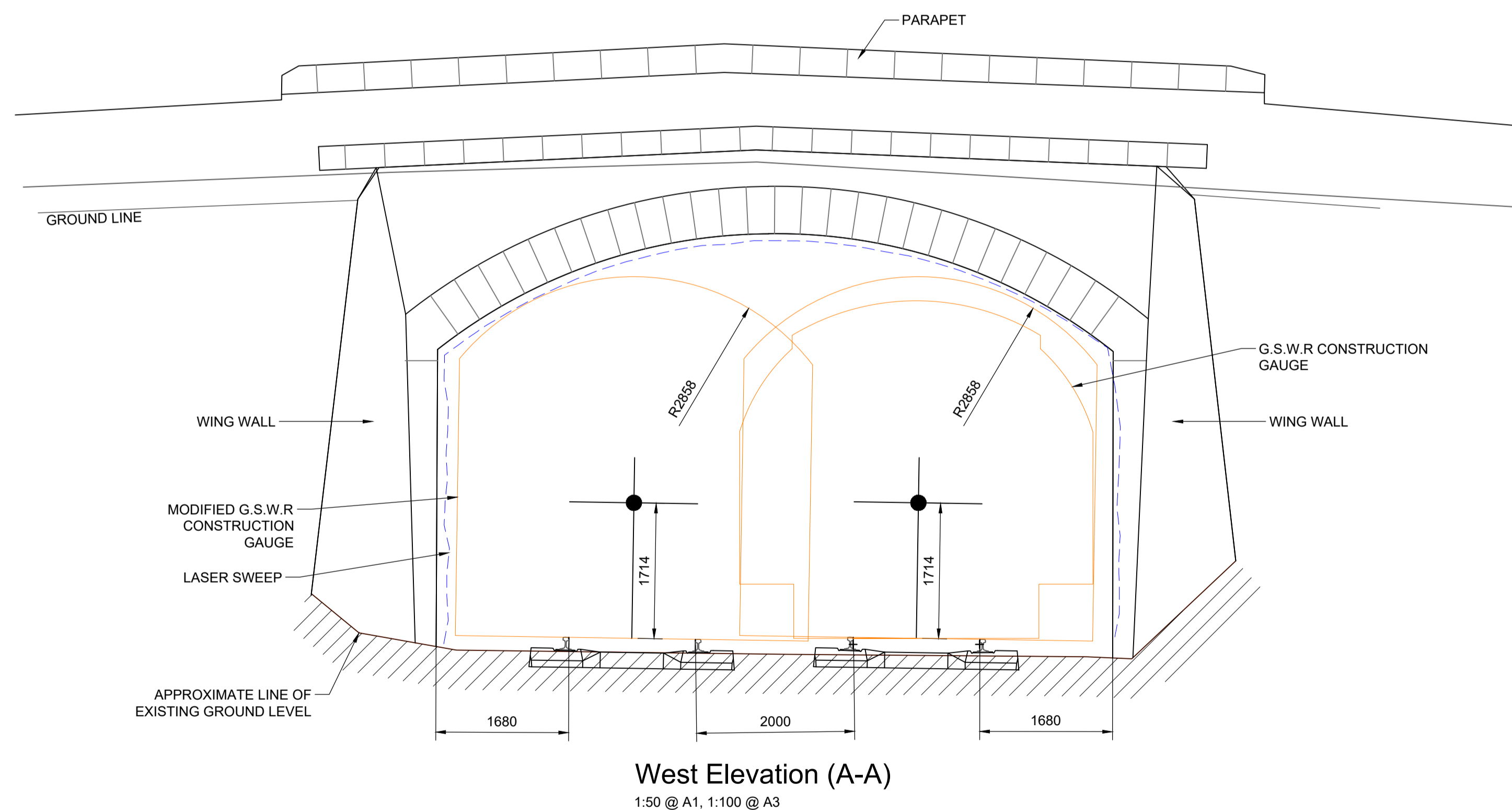
Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RS	DA	JM	Preliminary Design for Public Consultation
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN

Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD	Dwg check	R. SEXTON	Eng check	N. SAMACHETTY
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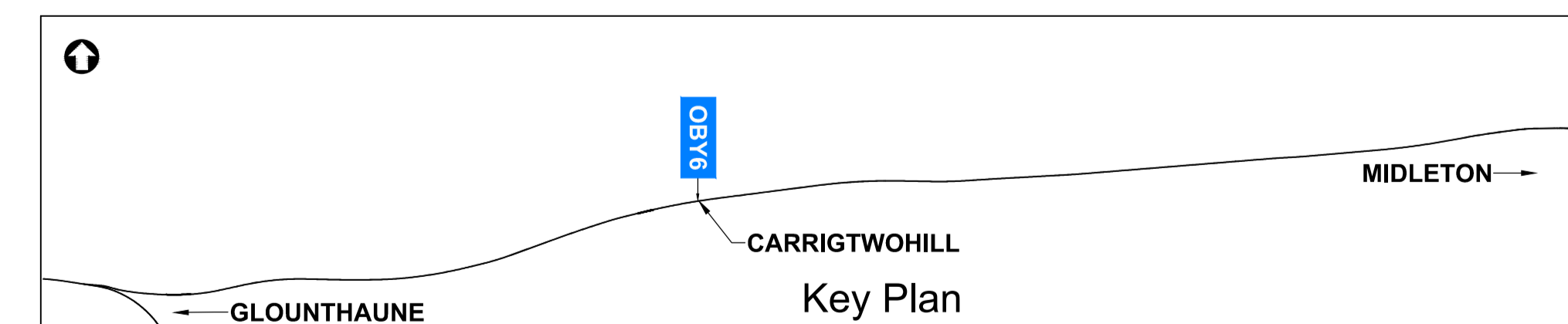
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Drawing Title		EXISTING OVERBRIDGE OBY5D CH4200 FOOTBRIDGE CARRIGTWOHILL STATION PLAN, SECTION & DETAILS	
Drawing File Name	C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0150	Sheet	6 of 26
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1:	AS SHOWN	Acceptance	S
Scale @A3:	AS SHOWN	Purpose	P1
		Rev	P02



Plan
1:200 @ A1, 1:400 @ A3



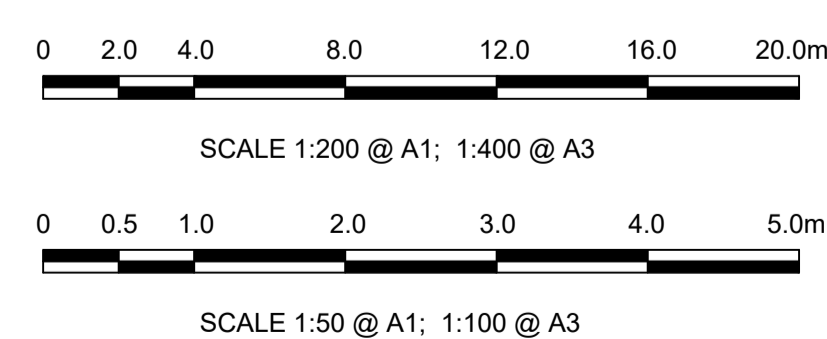
West Elevation (A-A)
1:50 @ A1, 1:100 @ A3



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	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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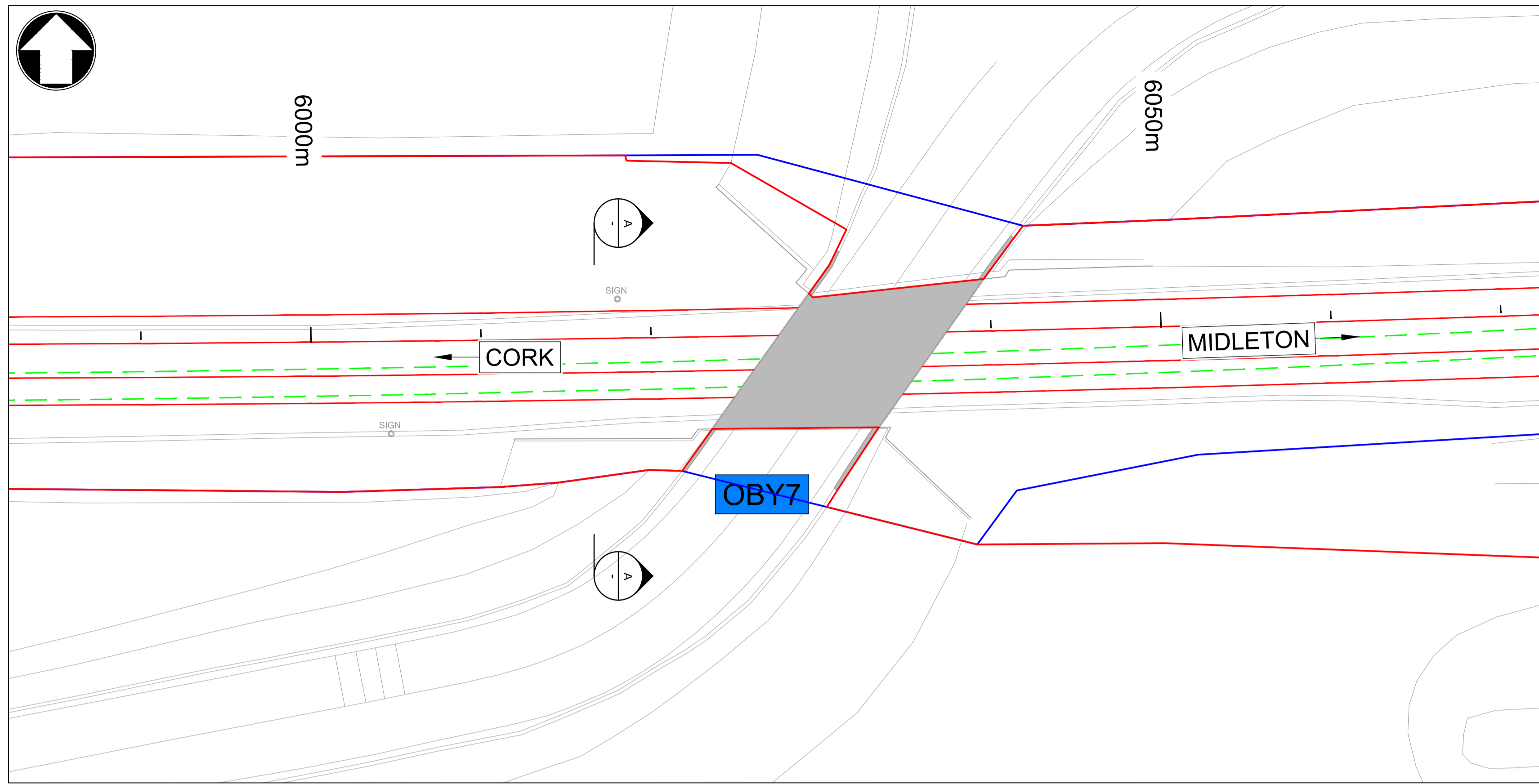


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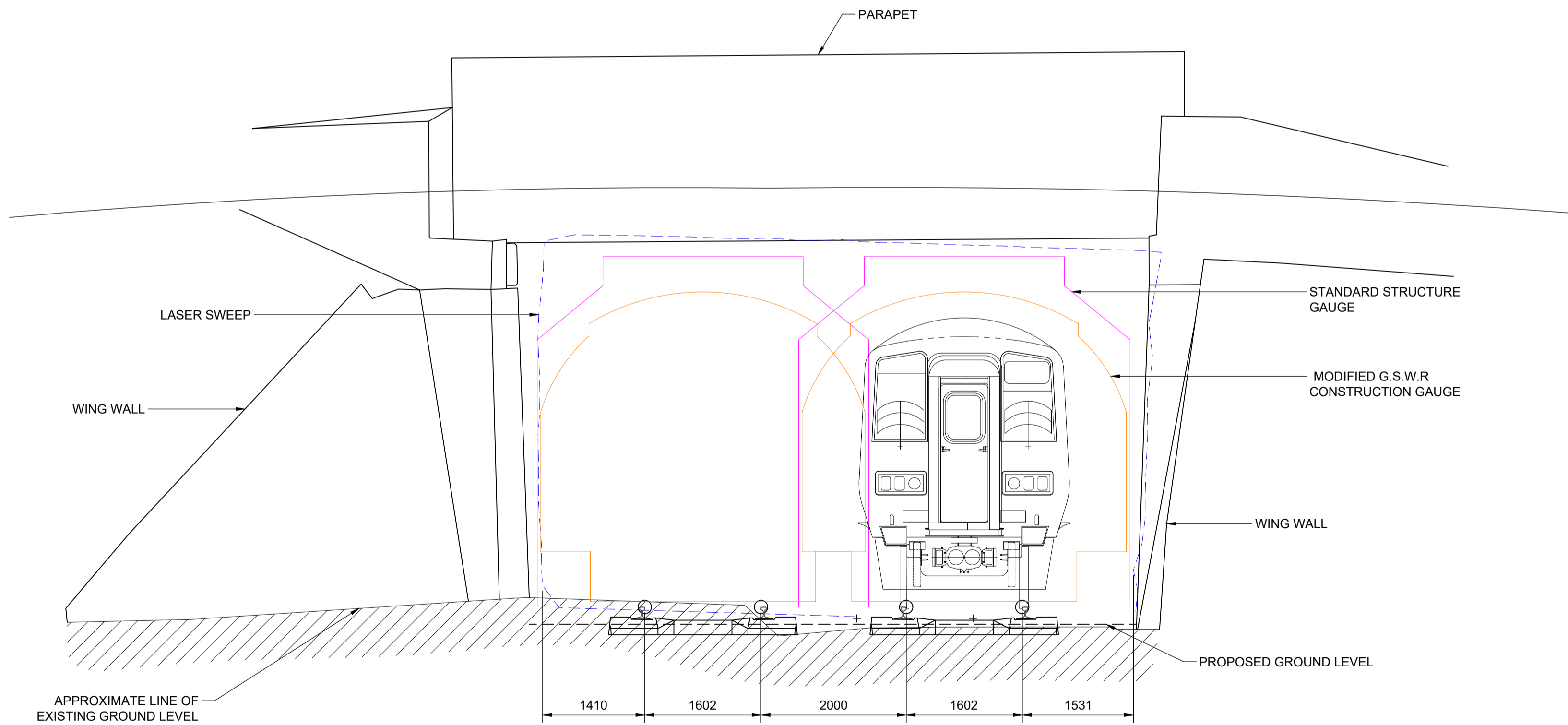
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Rev	Date	Drawn	Eng Check	Appr	Description
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P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN

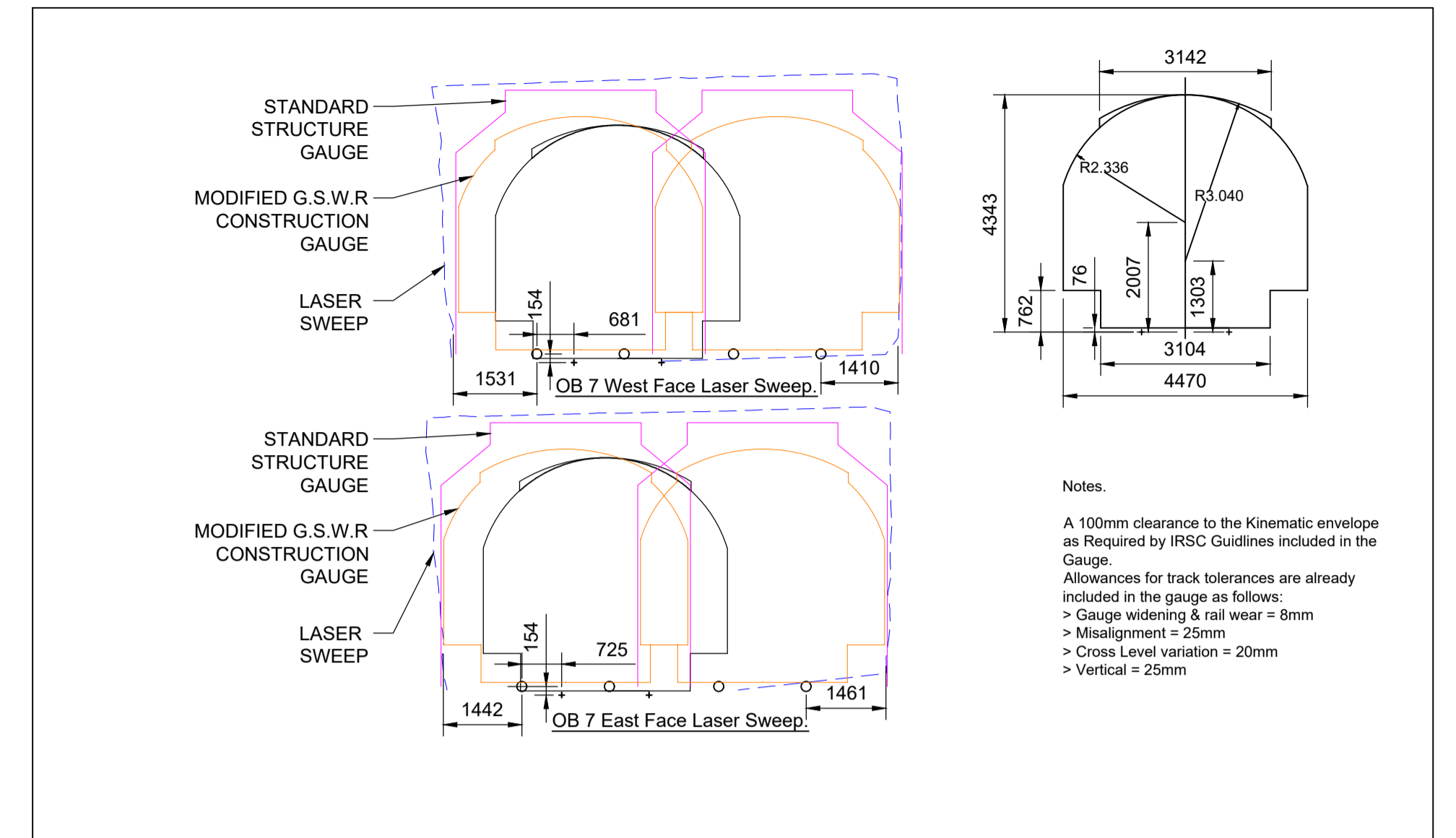
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Drawing Title EXISTING OVERBRIDGE OBY6 CH4274 - BARRY'S BRIDGE PLAN, SECTION & DETAILS	
Drawing File Name C745-WP3 03-XX-XX-XXX-DR-MMD-SE-0160	Sheet 07 of 26
Coordination N.SAMACHETTY	Approved J.MCINERNEY
Scale @A1: AS SHOWN	Acceptance S
Scale @A3: AS SHOWN	Purpose P1
	Rev P02



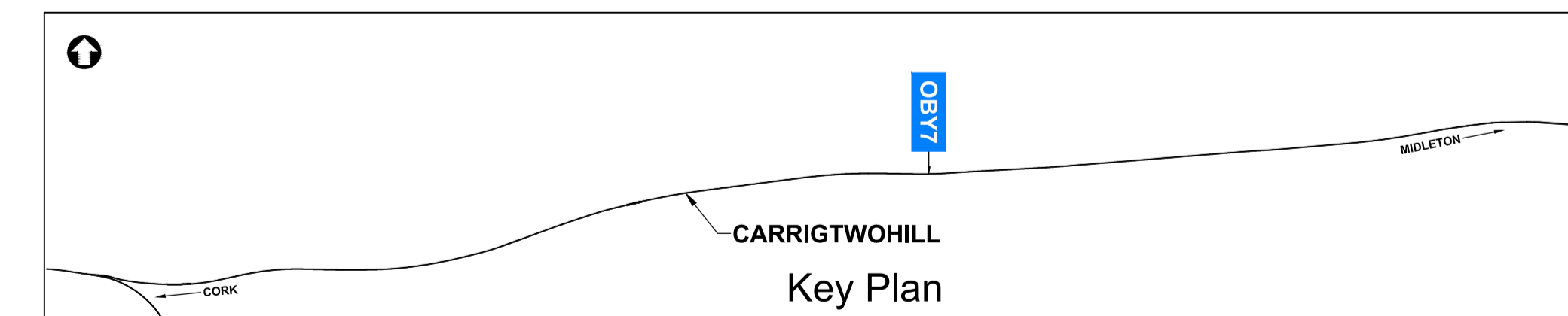
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West Elevation (A - A)
1:50 @ A1, 1:100 @ A3



As Built Bridge Survey
1:100 @ A1, 1:200 @ A3

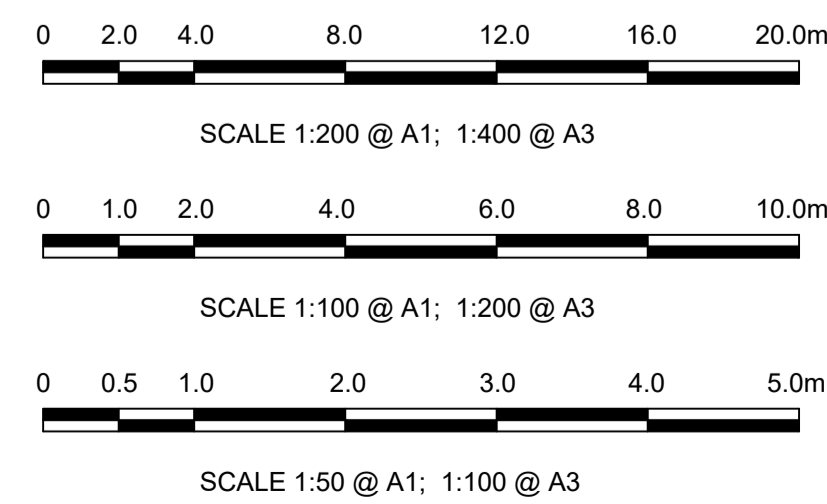


Key Plan

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LEGEND

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	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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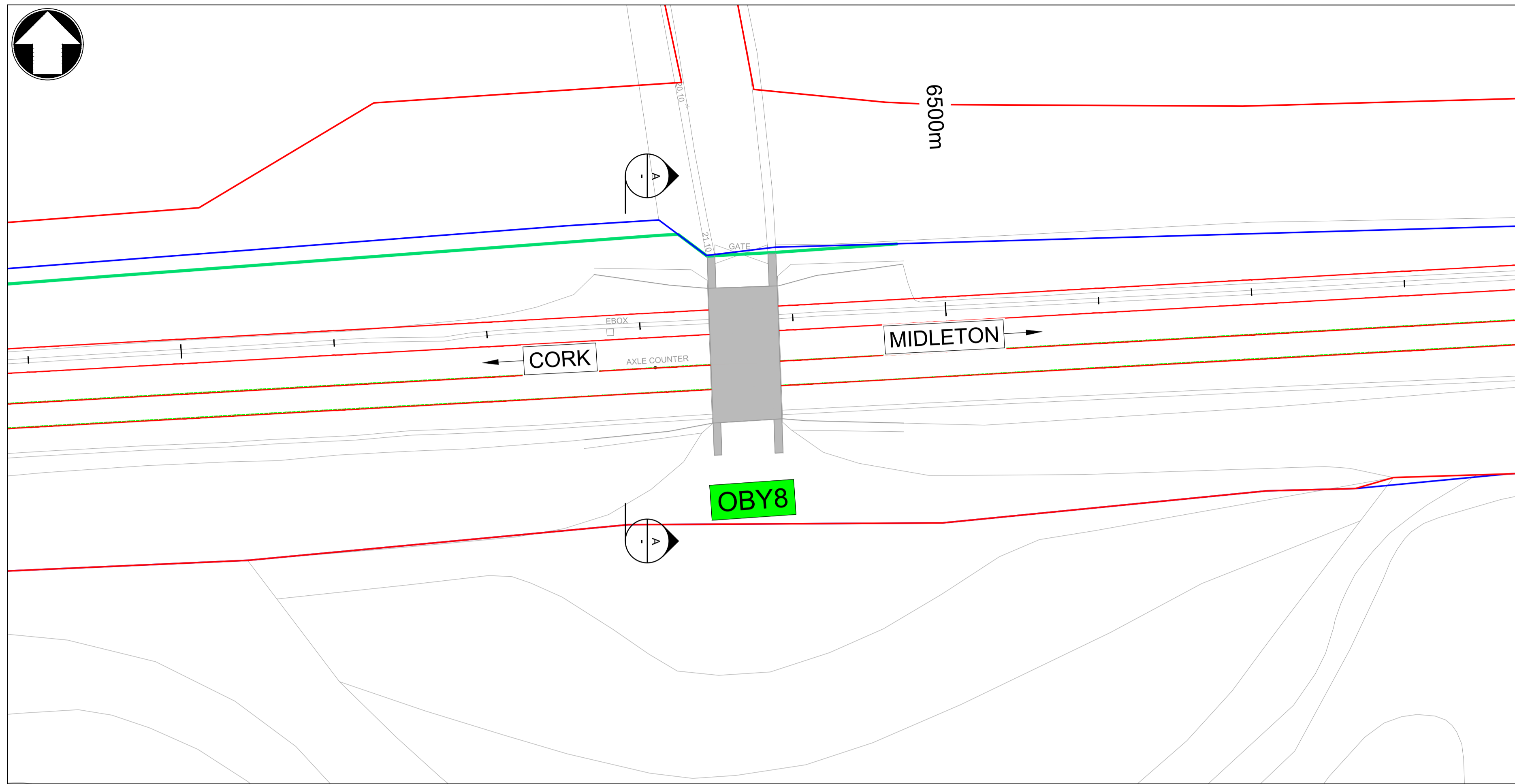
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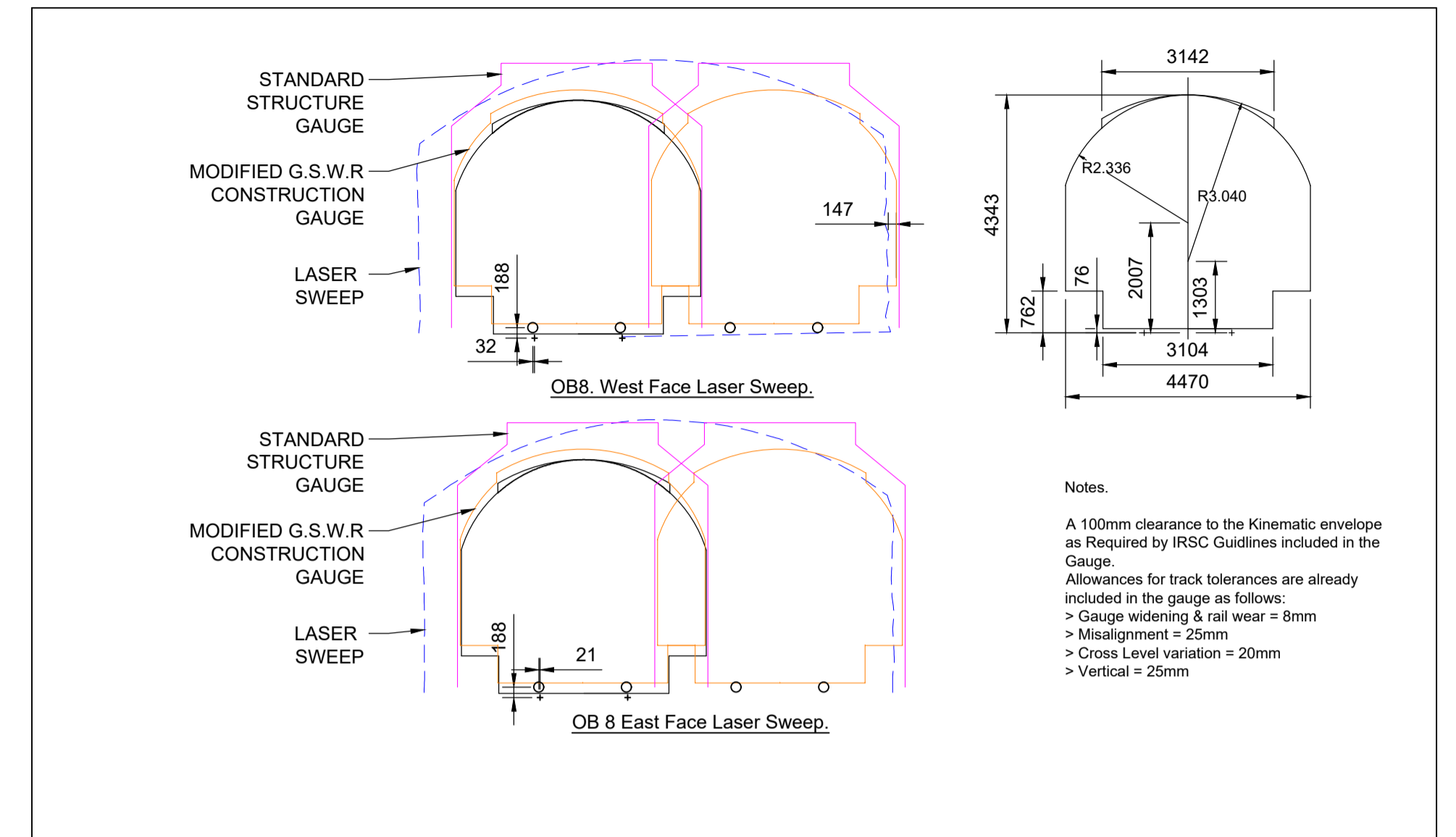
Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RS	DA	JM	Preliminary Design for Public Consultation
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	R. SEXTON	R. SEWARD	R. SEXTON	N. SAMACHETTY

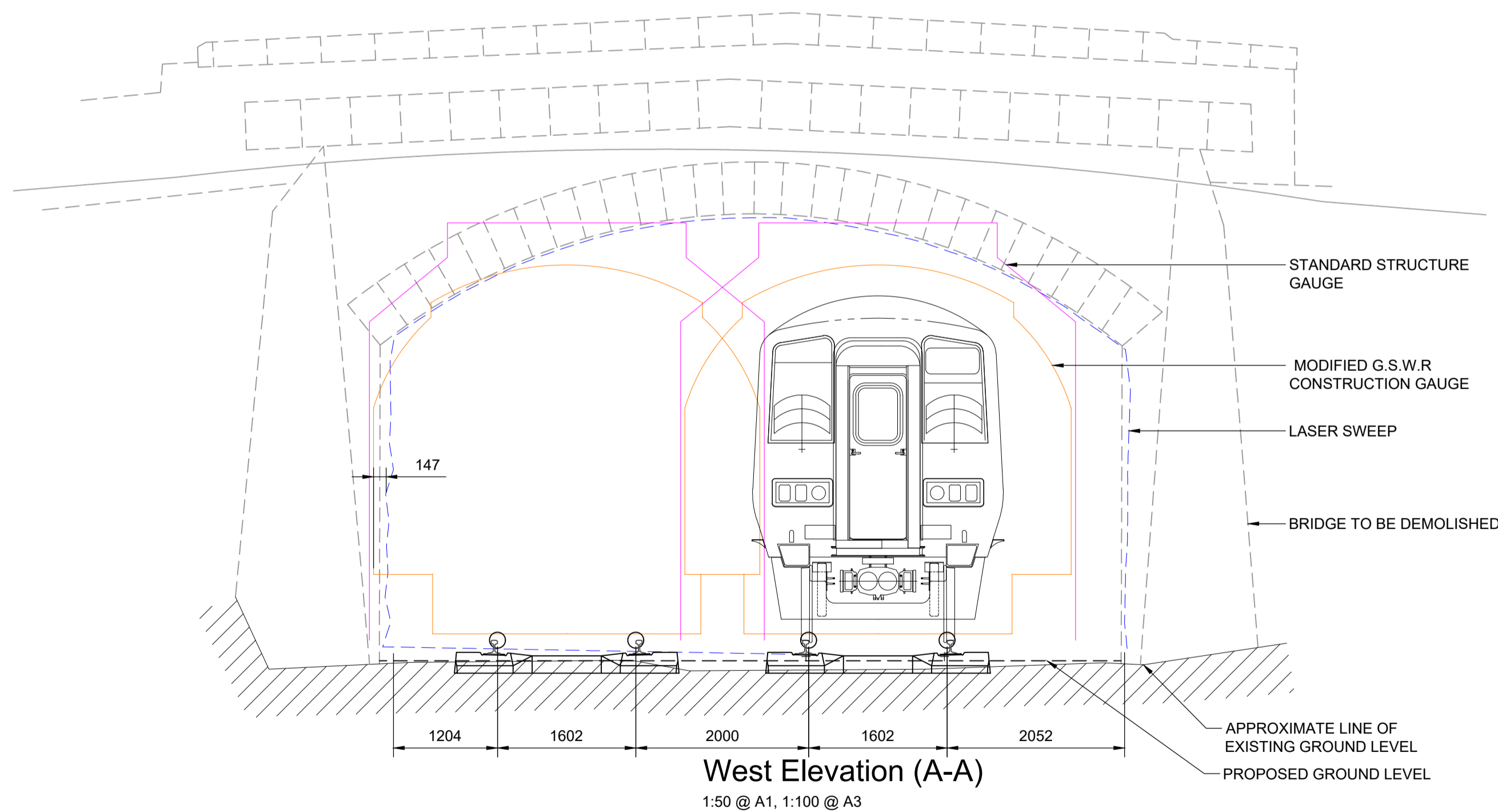
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Drawing Title EXISTING OVERBRIDGE OB7 CH6031 BALLYADAM BRIDGE PLAN, SECTION & DETAILS	
Drawing File Name C745-WP3 03-XX-XX-XXX-DR-MMD-SE-0170	Sheet 08 of 26
Coordination N.SAMACHETTY	Approved J.MCINERNEY
Scale @A1: AS SHOWN	Acceptance S
Scale @A3: AS SHOWN	Purpose P1
Rev P02	



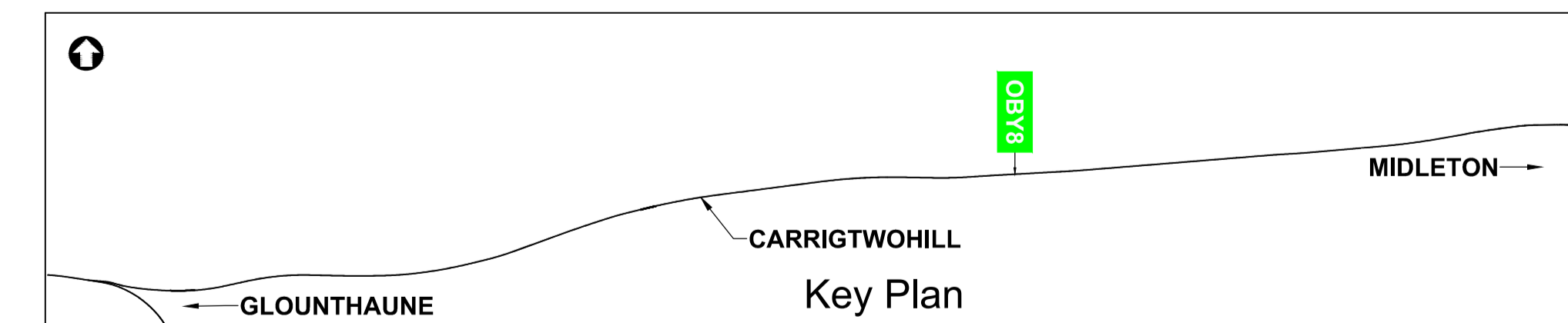
Plan
1:200 @ A1, 1:400 @ A3



As Built Bridge Survey
1:100 @ A1, 1:200 @ A3



West Elevation (A-A)
1:50 @ A1, 1:100 @ A3

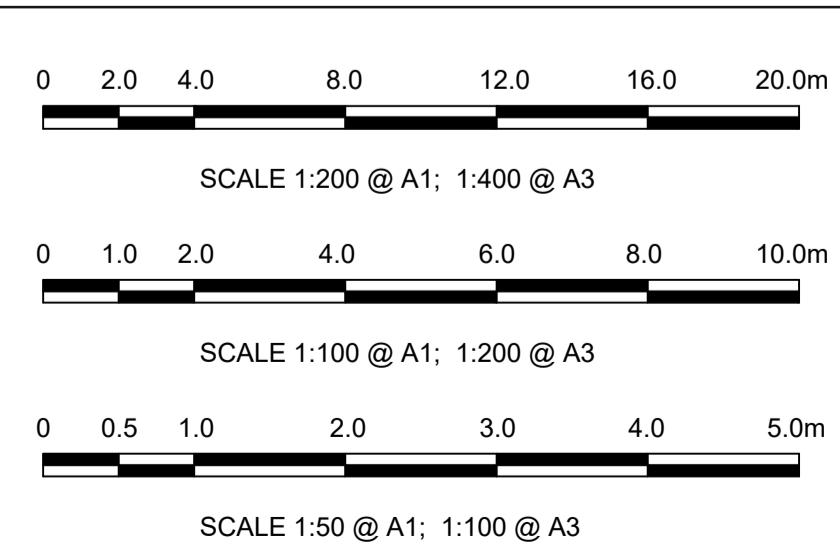


Key Plan

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LEGEND

	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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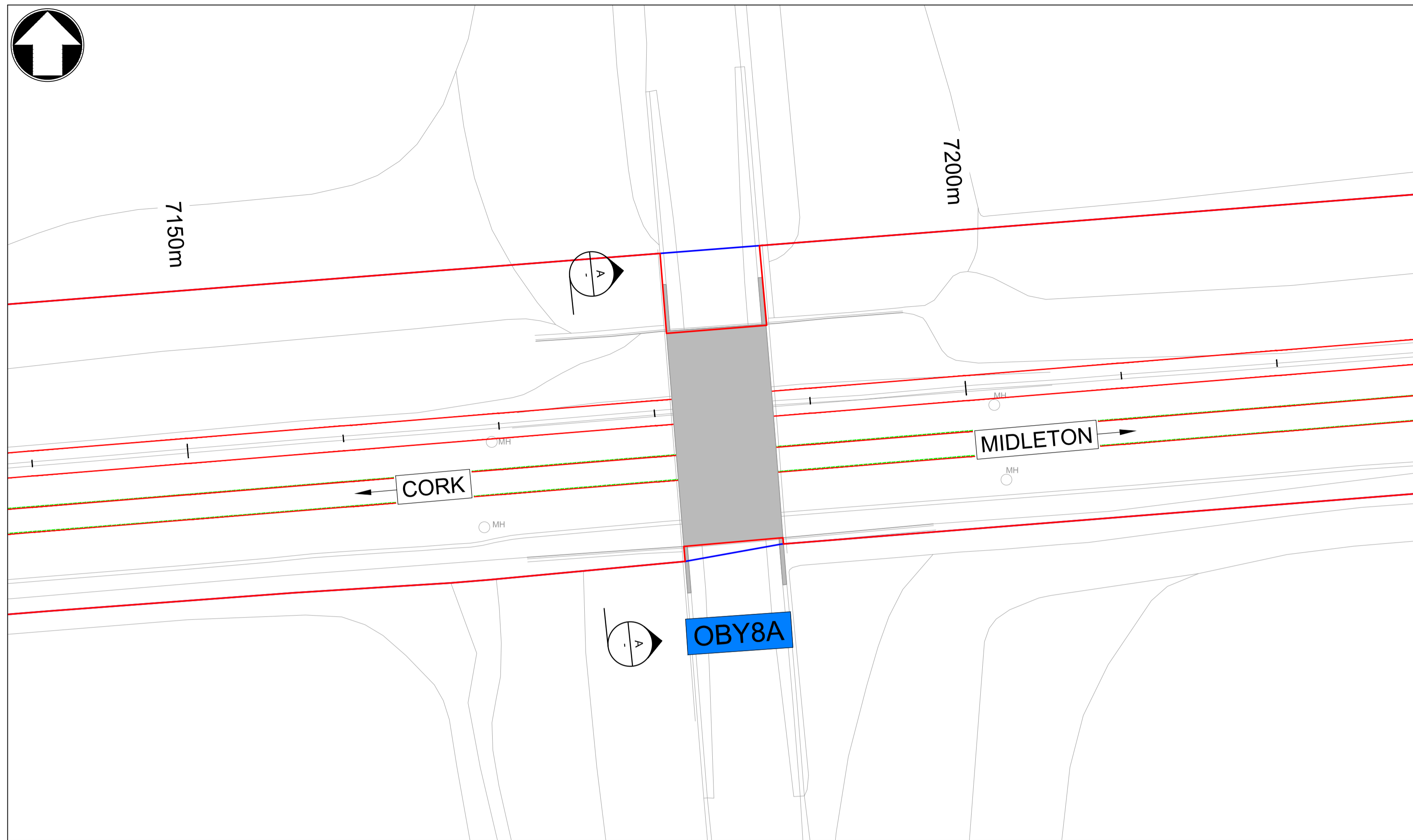
Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RS	DA	JM	Preliminary Design for Public Consultation
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN

Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD	Dwg check	R. SEXTON	Eng check	N. SAMACHETTY
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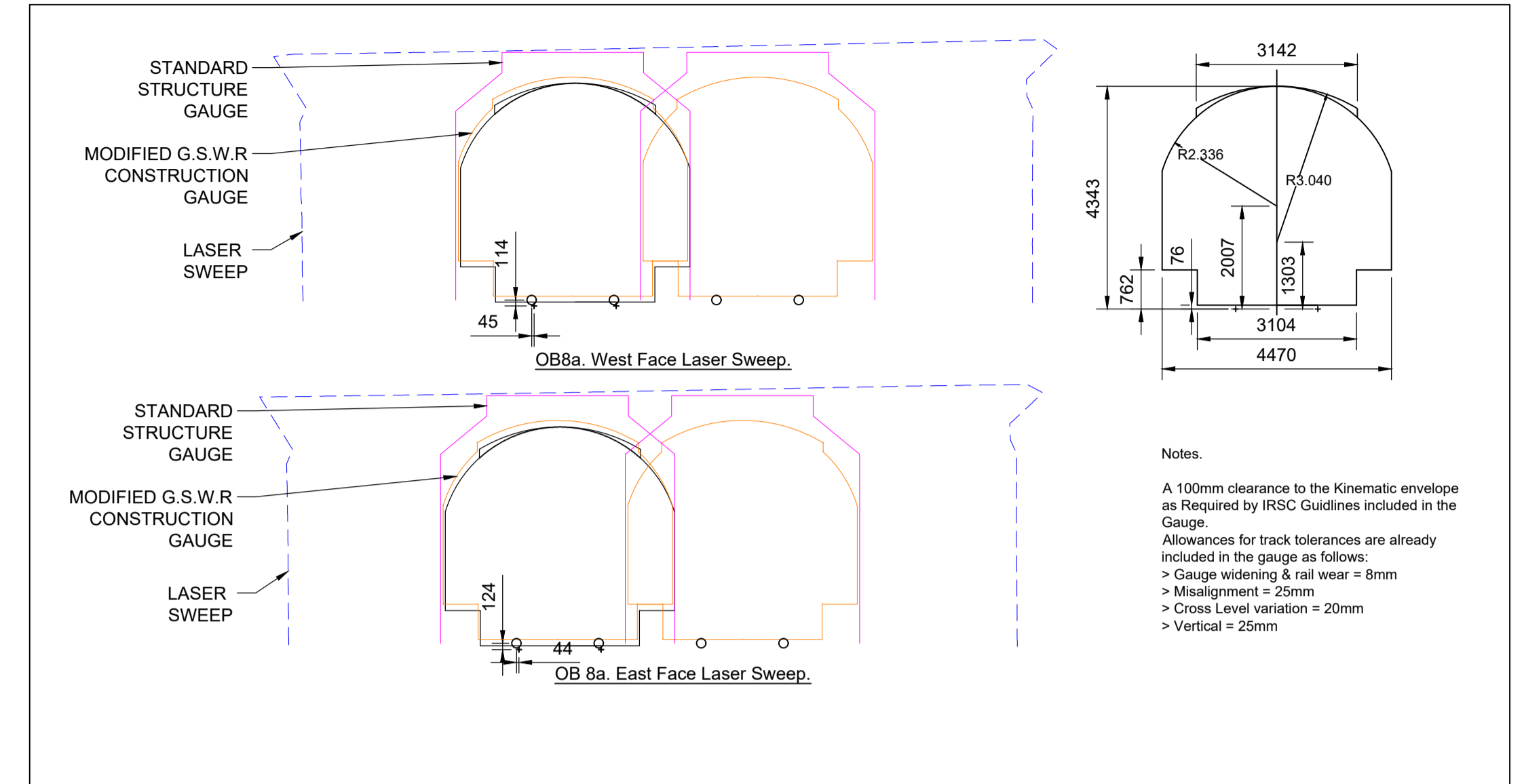
Project Title
CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title
EXISTING OVERBRIDGE OB8
PROPOSED TO BE DEMOLISHED
CH6487 BALLYADAM HOUSE BRIDGE
PLAN, SECTION & DETAILS

Drawing File Name	C745-WP3 03-XX-XX-XXX-DR-MMD-SE-0180	Sheet	09
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1:	AS SHOWN	Acceptance	S
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Rev	P02		

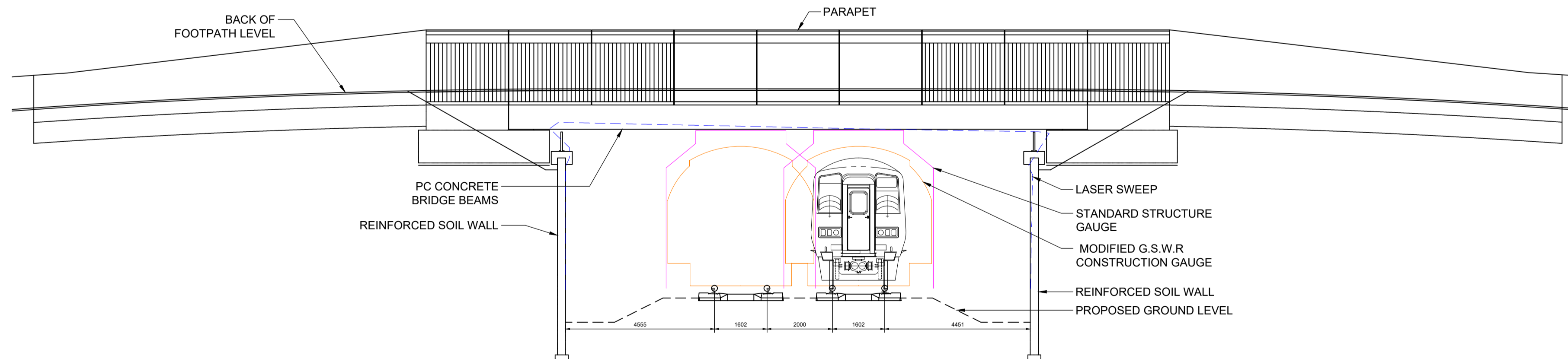


Plan
1:200 @ A1, 1:400 @ A3

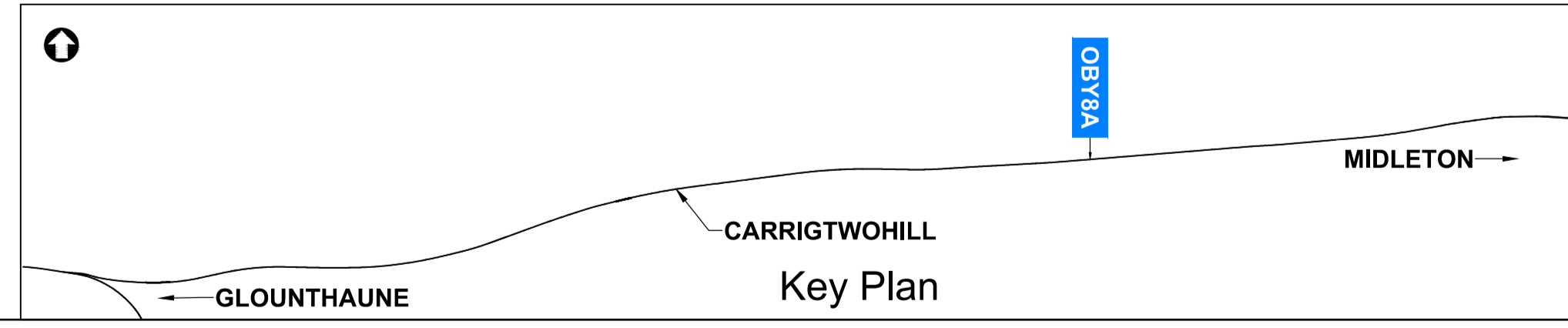


Notes:
A 100mm clearance to the Kinematic envelope as Required by IRSC Guidelines included in the Gauge.
Allowances for track tolerances are already included in the gauge as follows:
> Gauge widening & rail wear = 8mm
> Misalignment = 25mm
> Cross Level variation = 20mm
> Vertical = 25mm

As Built Bridge Survey
1:100 @ A1, 1:200 @ A3



West Elevation (A-A)
1:100 @ A1, 1:200 @ A3

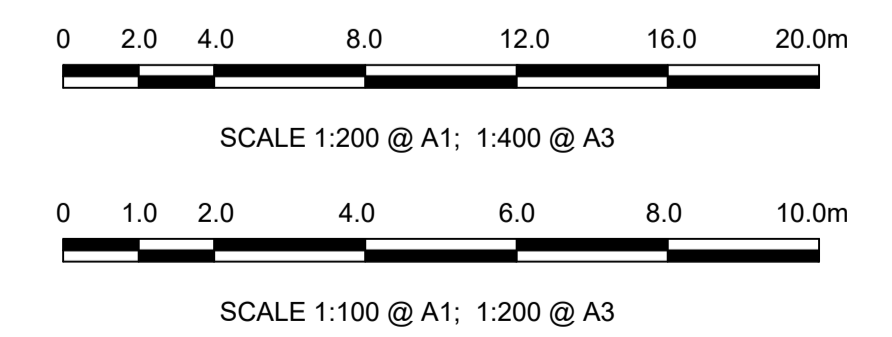


Key Plan

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LEGEND

	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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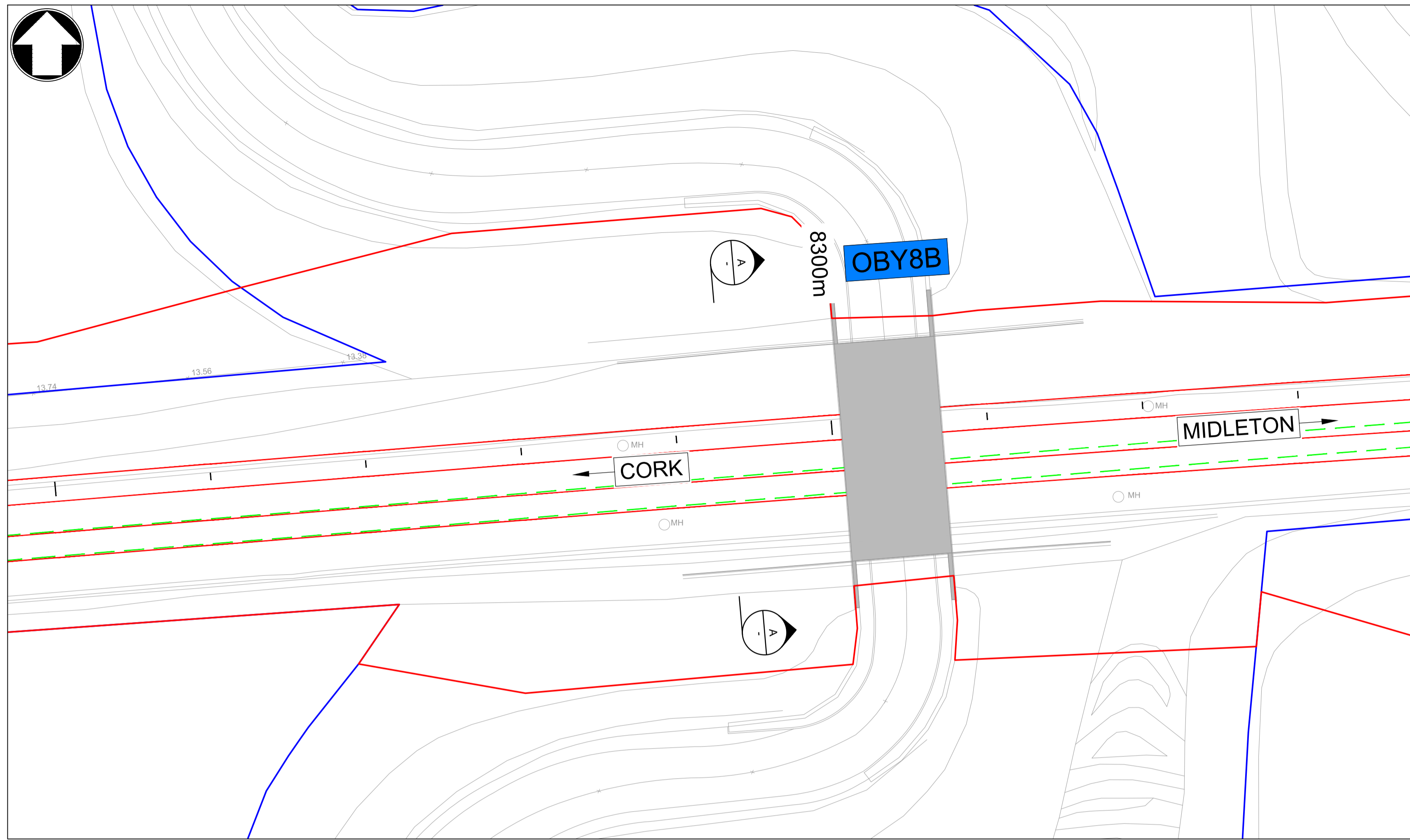
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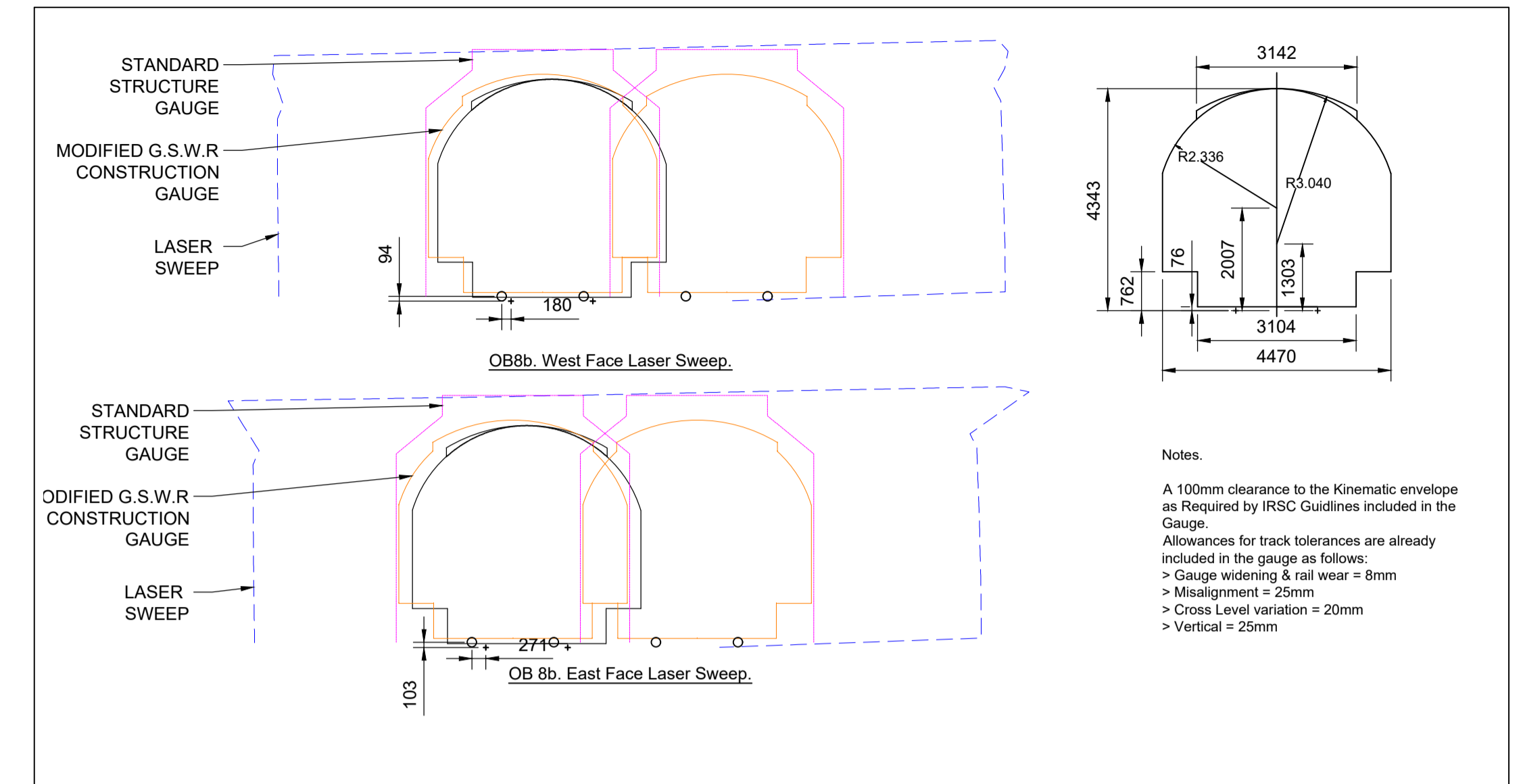
Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RS	DA	JM	Preliminary Design for Public Consultation
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN

Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD	Dwg check	R. SEXTON	Eng check	N. SAMACHETTY
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Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDDLETON TWIN TRACK	
Drawing Title		EXISTING OVERBRIDGE OBY8A CH7134 BALLYADAM PLAN, SECTION & DETAILS	
Drawing File Name	C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0190	Sheet	10 of 26
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1: AS SHOWN	Scale @A3: AS SHOWN	Acceptance	S
Purpose	P1	Rev	P02

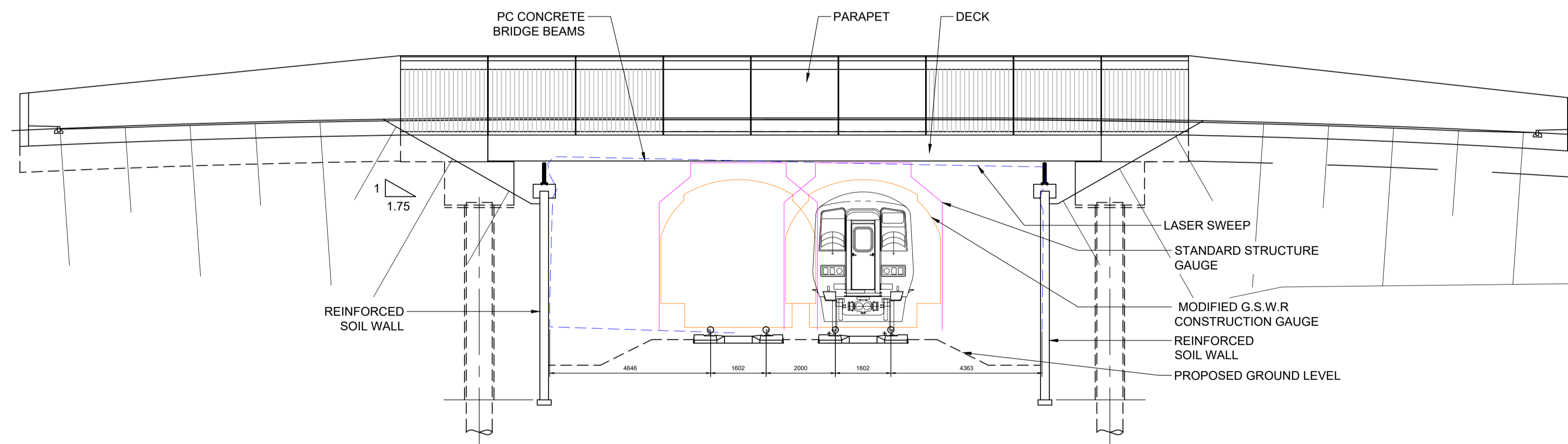


Plan
1:200 @ A1, 1:400 @ A3

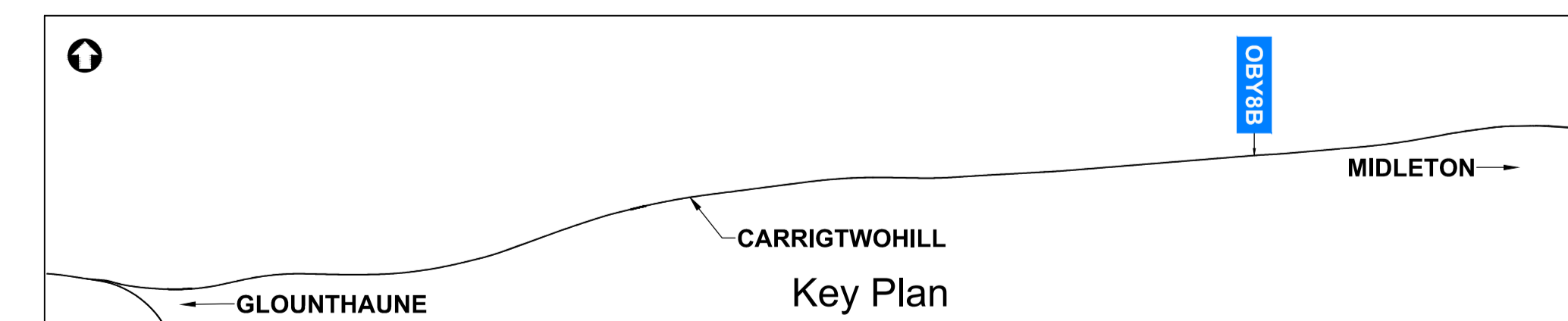


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> Vertical = 25mm

As Built Bridge Survey
1:100 @ A1, 1:200 @ A3

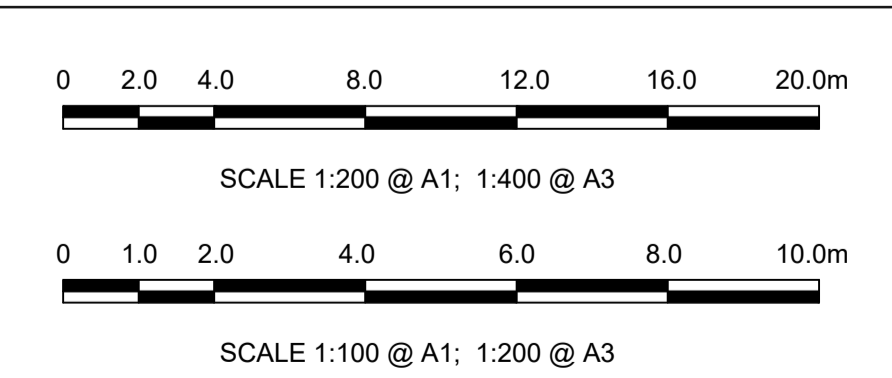


West Elevation (A-A)
1:100 @ A1, 1:200 @ A3



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4. SURVEY GRID AND ALL COORDINATES ARE IN IRISH TRANSVERSE MERCATOR.

LEGEND	
	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RS	DA	JM	Preliminary Design for Public Consultation
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN

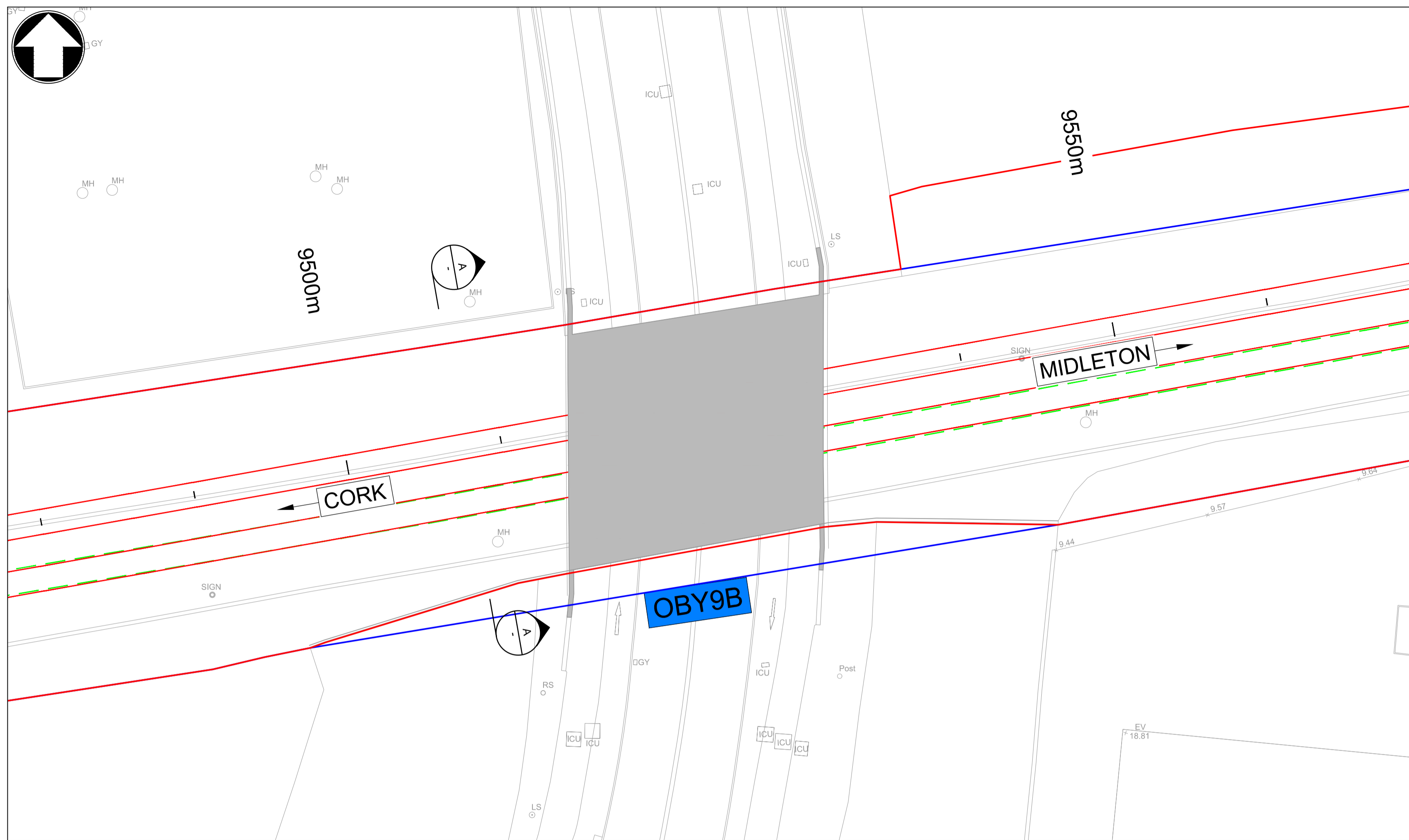
Date	Designed	Drawn	Dwg check	Eng check
22/09/22	R. SEXTON	R. SEWARD	R. SEXTON	N. SAMACHETTY

Project Title
CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

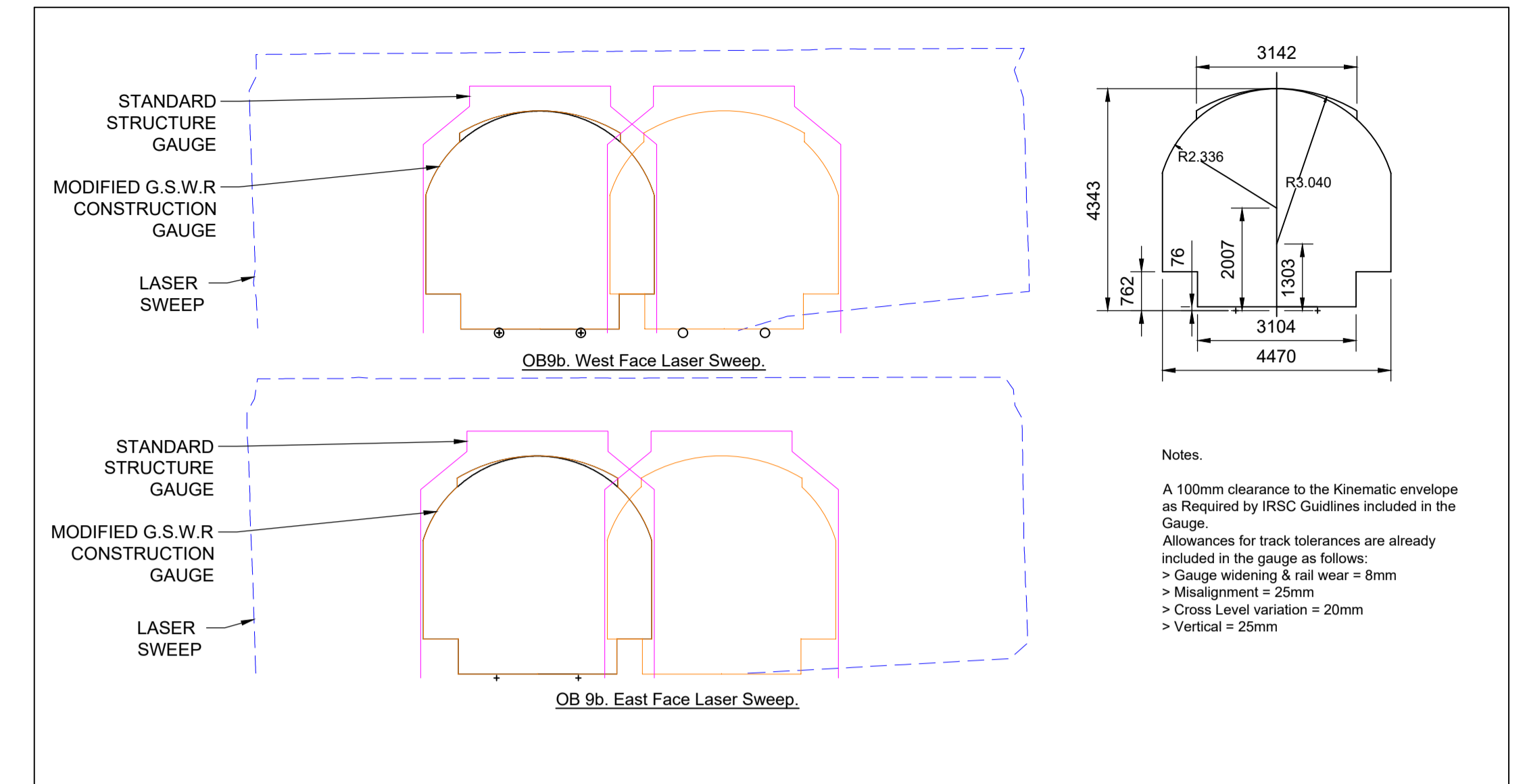
Drawing Title
EXISTING OVERBRIDGE OBY8B
CH8304 WATERROCK
PLAN, SECTION & DETAILS

Drawing File Name	Sheet
C745-WP3 03-XX-XX-XXX-DR-MMD-SE-0200	11 of 26

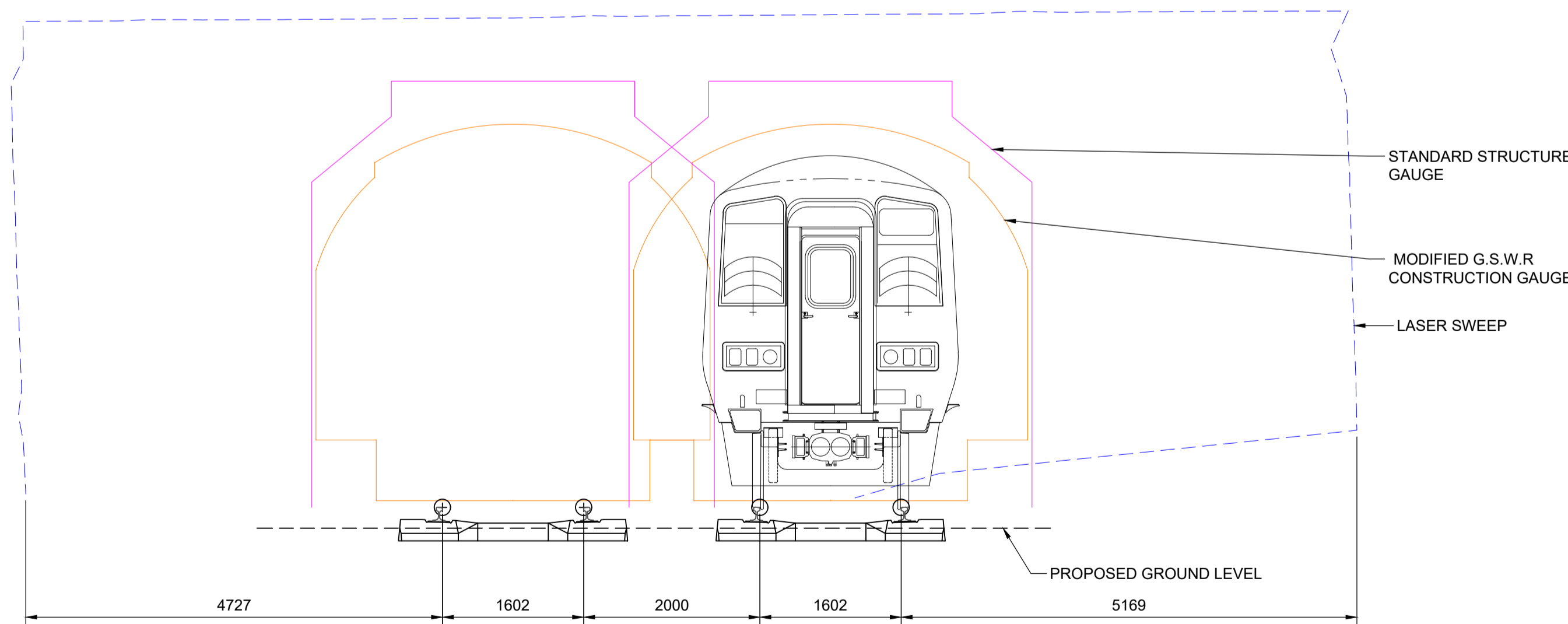
Coordination	Approved	Scale @A1: AS SHOWN	Acceptance	Purpose	Rev
N.SAMACHETTY	J.MCINERNEY	S	S	P1	P02



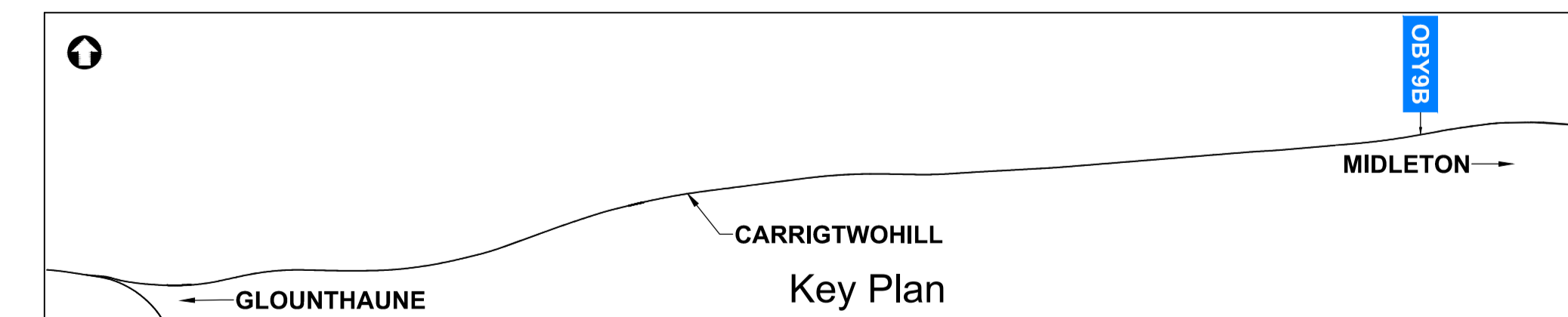
Plan
1:200 @ A1, 1:400 @ A3



As Built Bridge Survey
1:100 @ A1, 1:200 @ A3



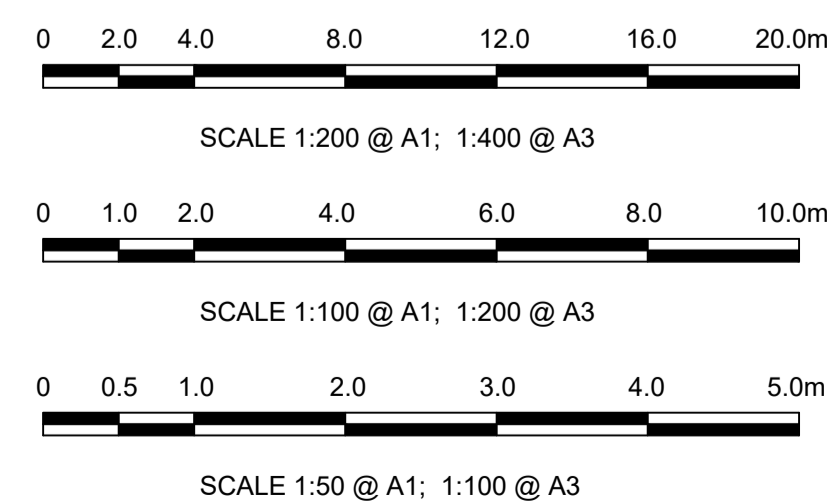
West Elevation (A-A)
1:50 @ A1, 1:100 @ A3



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LEGEND

	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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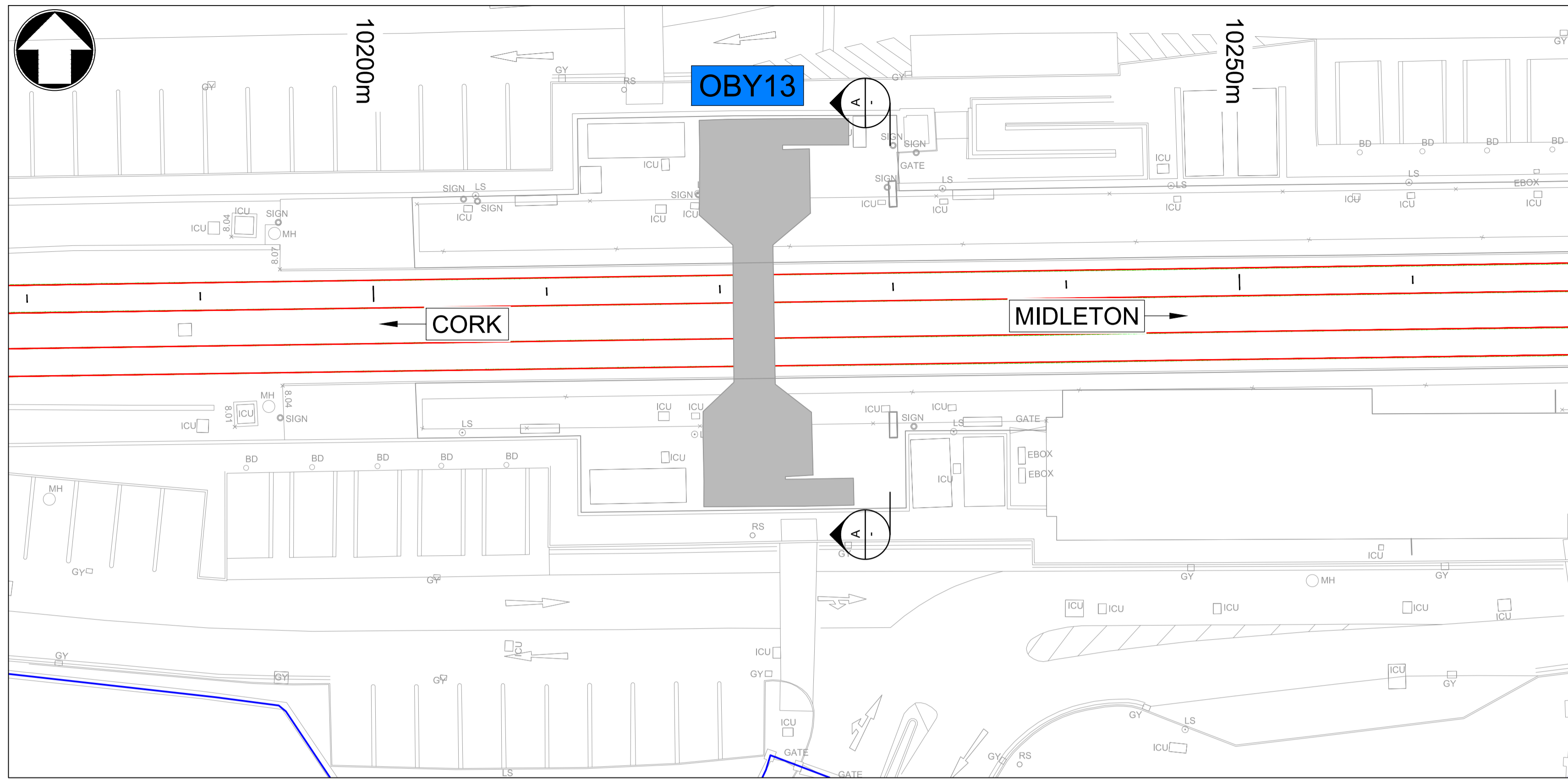
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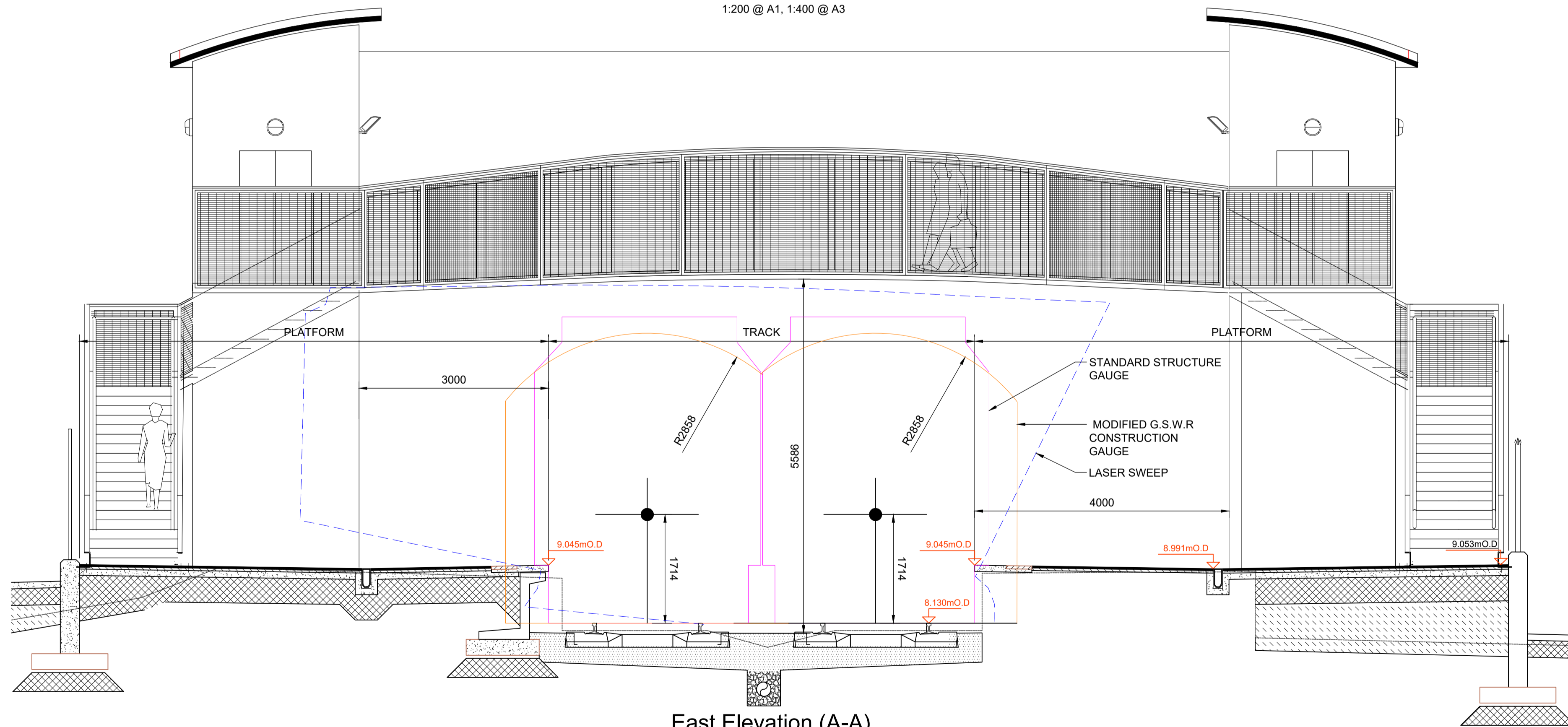
Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RS	DA	JM	Preliminary Design for Public Consultation
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN

Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD	Dwg check	R. SEXTON	Eng check	N. SAMACHETTY
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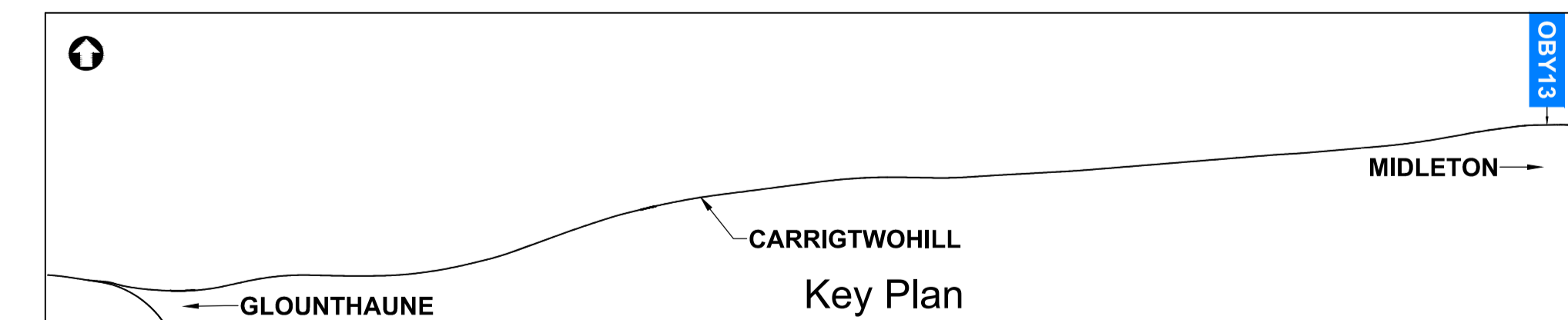
Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDDLETON TWIN TRACK	
Drawing Title		EXISTING OVERBRIDGE OBY9B CH9523 NORTHERN RELIEF ROAD PLAN, SECTION & DETAILS	
Drawing File Name	C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0210	Sheet	12 of 26
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1: AS SHOWN	Scale @A3: AS SHOWN	Acceptance	S
Purpose	P1	Rev	P02



Plan
1:200 @ A1, 1:400 @ A3



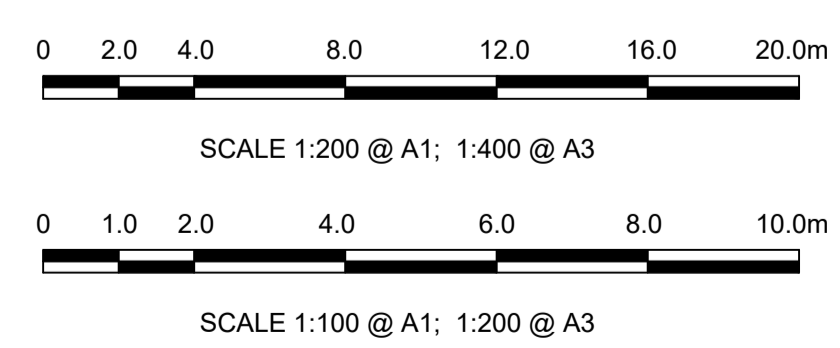
East Elevation (A-A)
1:100 @ A1, 1:200 @ A3



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LEGEND

	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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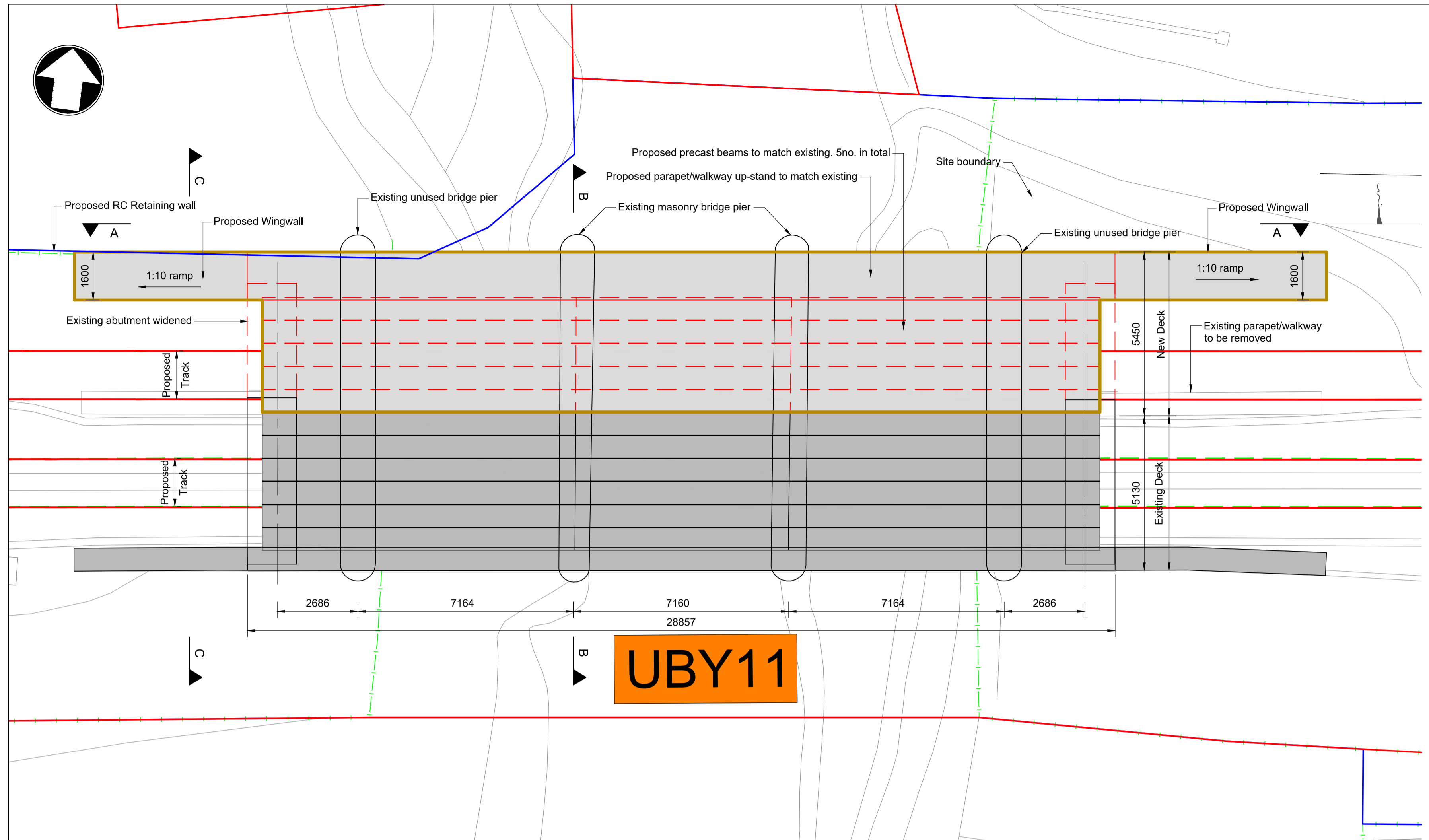
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P01	10/06/22	RS	DA	JM	Preliminary Design for Public Consultation
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN

Project Title CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title EXISTING OVERBRIDGE OBY13 CH10222 FOOTBRIDGE MIDLETON STATION PLAN, SECTION & DETAILS	
Drawing File Name C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0220	Sheet 13 of 26
Coordination N.SAMACHETTY	Approved J.MCINERNEY
Scale @A1: AS SHOWN	Acceptance S
Scale @A3: AS SHOWN	Purpose P1
Date 22/09/22	Rev P02

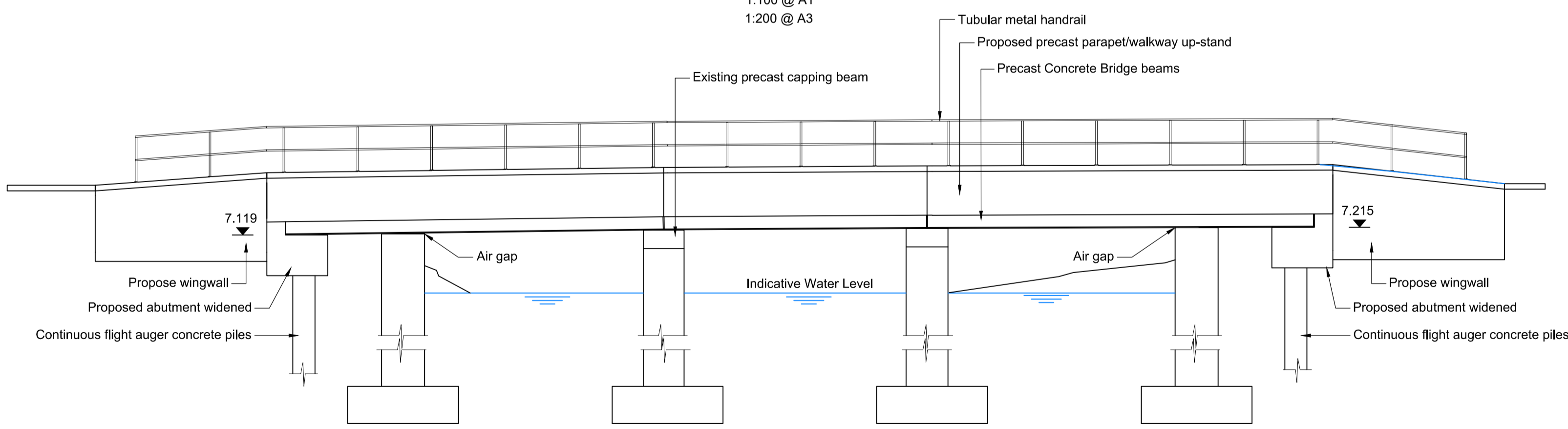
DO NOT SCALE USE FIGURED DIMENSIONS ONLY



UBY11

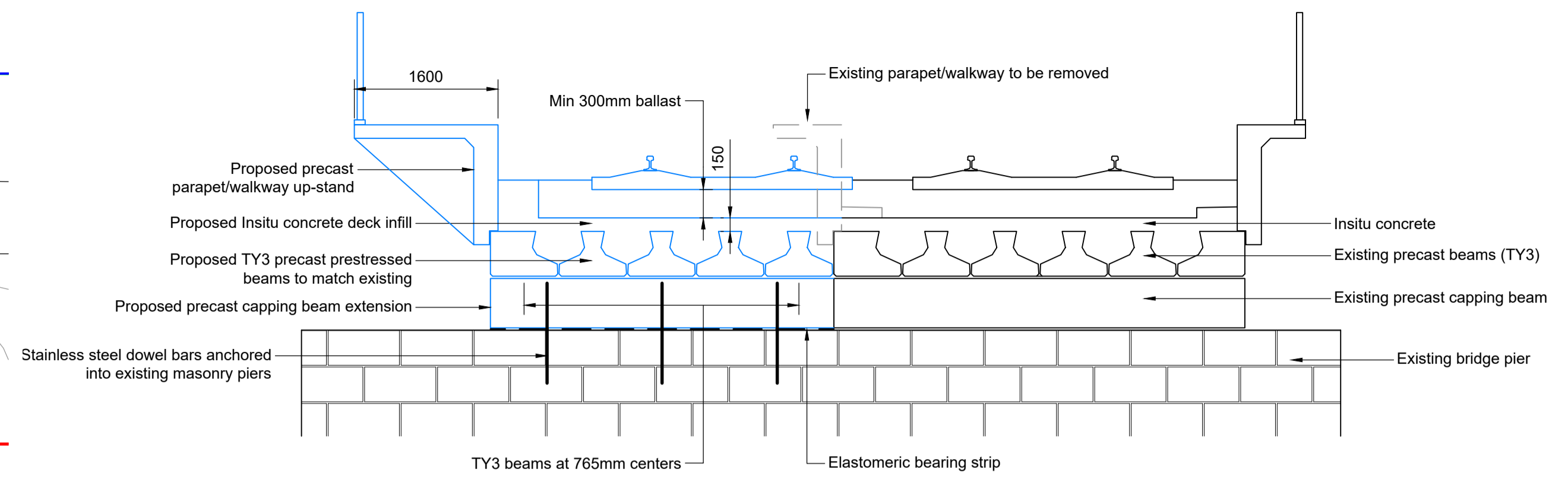
Plan

1:100 @ A1
1:200 @ A3



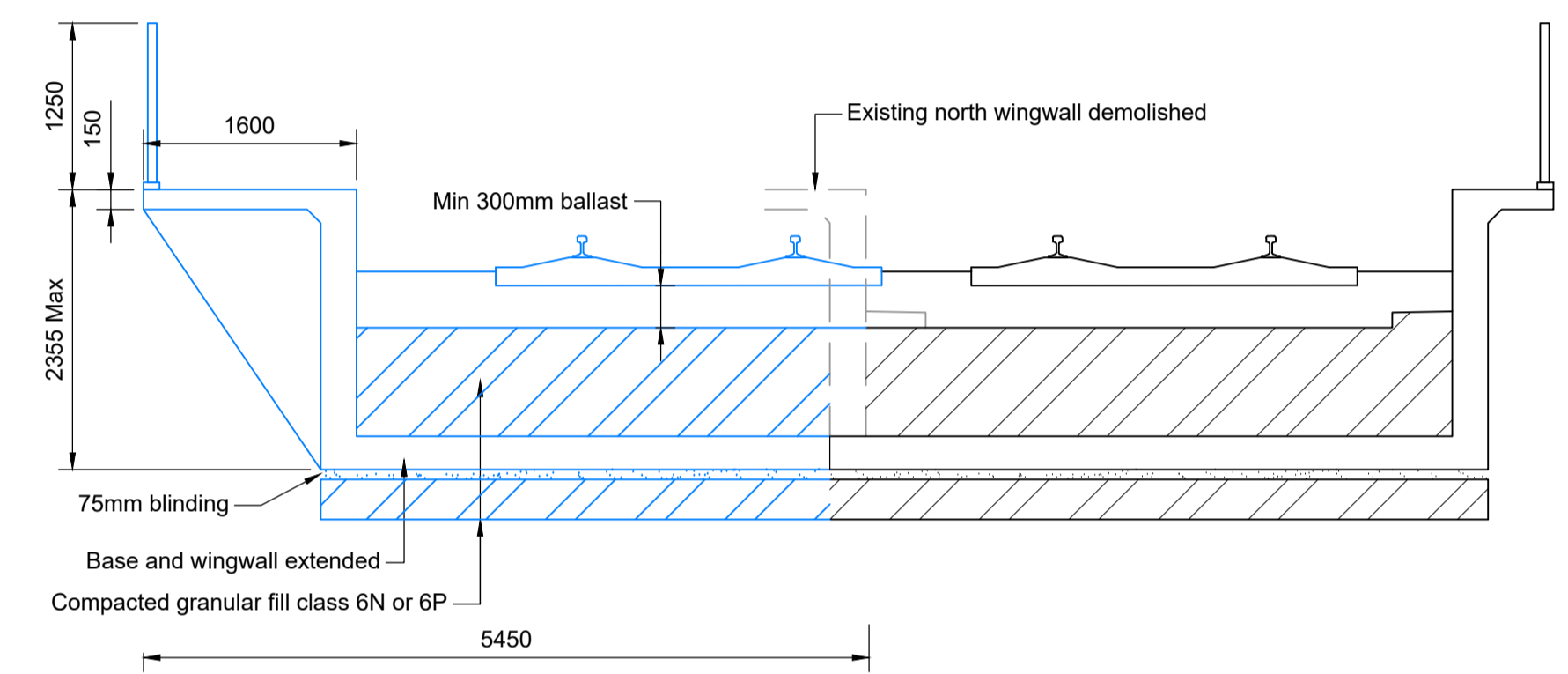
Section A

1:100 @ A1
1:200 @ A3



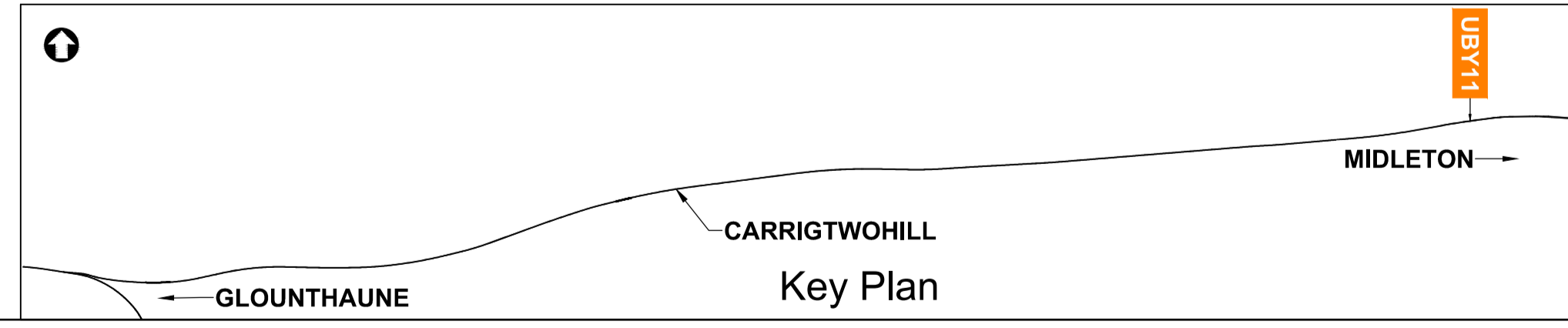
Section B

1:50 @ A1
1:100 @ A3



Section C

1:50 @ A1
1:100 @ A3

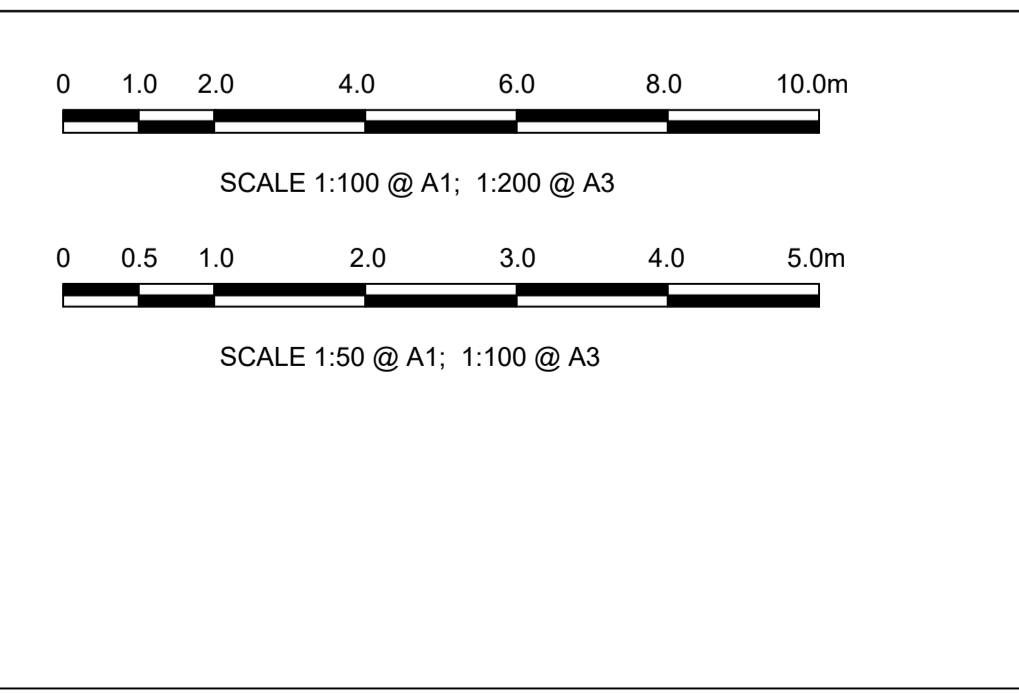


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LEGEND

	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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P01	10/06/22	RO	RS	JM	Preliminary Design for Public Consultation
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN

Date	22/09/22	Designed	C. CLARKE	Drawn	R. SEWARD	Dwg check	R. SEXTON	Eng check	N. SAMACHETTY
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Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDDLETON TWIN TRACK	
Drawing Title		EXISTING UNDERBRIDGE UBY11 CH9854 OWENACURRA RIVER BRIDGE PLAN, SECTION & DETAILS	
Drawing File Name	C745-WP3 03-XX-XX-XXX-DR-MMD-SE-0230	Sheet	14 of 26
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1:	1:500	Acceptance	S
Scale @A3:	AS SHOWN	Purpose	P1
Rev	P02		

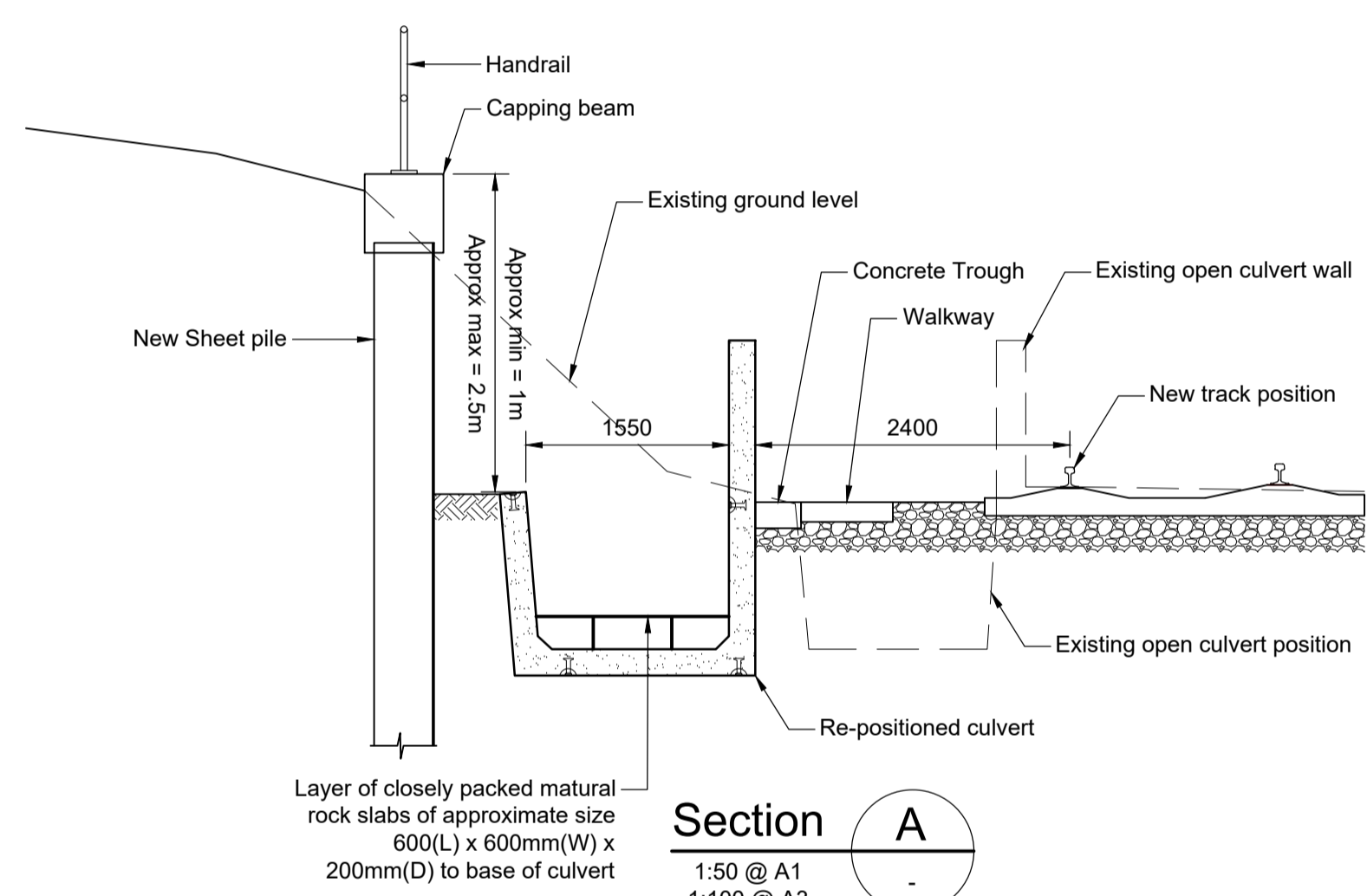


Plan
1:500 @ A1, 1:1000 @ A3

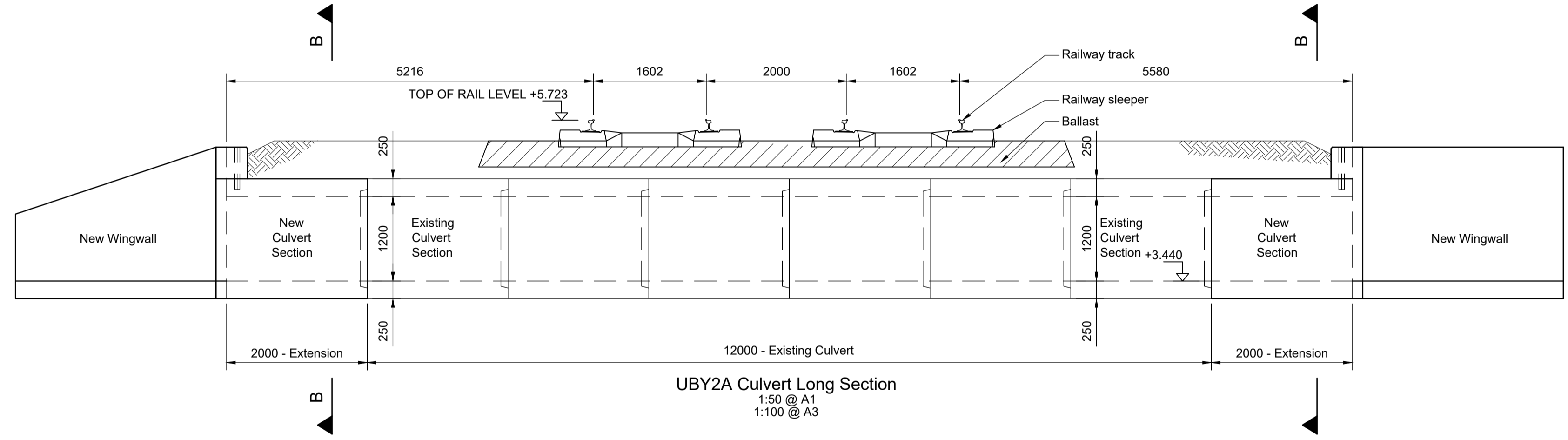
IDA CULVERT RE-POSITIONING INDICATIVE CONSTRUCTION SEQUENCING:

CONSTRUCTION SEQUENCING IS DEPENDANT ON RAIL POSSESSION TIME FRAME (I.E. NIGHT TIME POSSESSION V'S WEEKEND POSSESSION V'S WEEK POSSESSION). FOR THE PURPOSES OF THIS CONSTRUCTION SEQUENCING, WORST CASE OF NIGHT TIME POSSESSION IS ASSUMED.

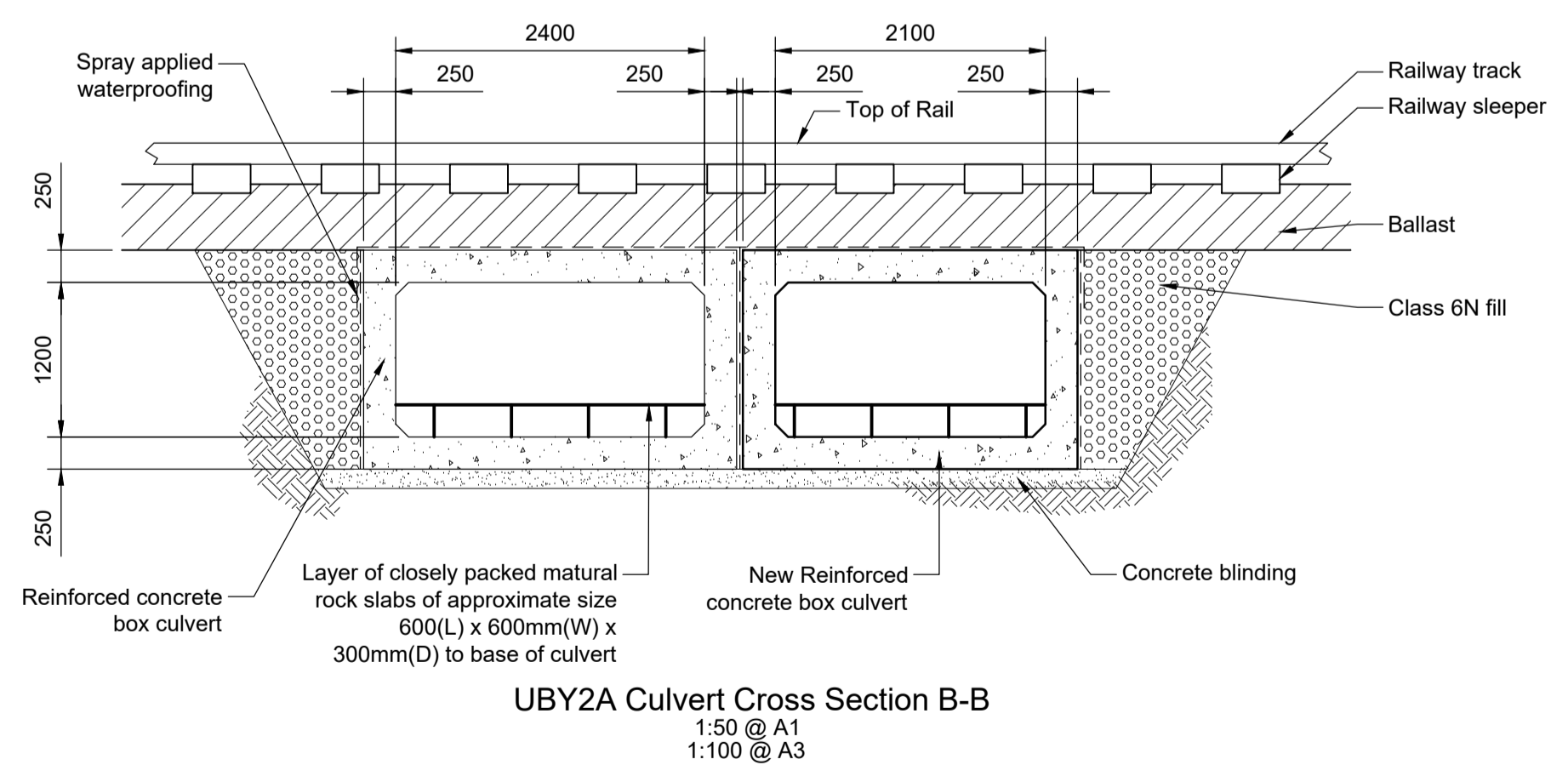
1. INSTALL SHEET PILE WALL, APPROXIMATELY 210M IN LENGTH. SHEET PILE WALL INSTALLATION WILL BE UNDERTAKEN DURING A NUMBER OF RAIL POSSESSIONS.
2. RE-POSITIONING OF IDA OPEN CULVERT WILL BE UNDERTAKEN IN 20M SECTIONS BETWEEN RAIL POSSESSIONS. APPROXIMATELY 10 POSSESSIONS IN TOTAL.
3. RESTRICT WATER FLOW THROUGH THE FIRST 20M SECTION OF CULVERT BY DIVERTING WATER AROUND THE 20M LONG WORK AREA USING A BYPASS PUMP SYSTEM.
4. EXCAVATE SPOIL AND CULVERT BED DEBRIS.
5. REMOVE GROUT FROM LIFTING EYES OF CULVERT UNITS. HOIST AND RE-POSITION EXISTING CULVERT UNITS.
6. BACKFILL THE NEWLY POSITIONED CULVERT. INSTALL RIVERBED STONE IN ACCORDANCE WITH IFI REQUIREMENTS.
7. INSTALL PUMP AT THE END OF THE NEW 20M CULVERT SECTION TO DIVERT WATER BETWEEN THE RE-POSITIONED CULVERT AND THE ORIGINAL POSITIONED CULVERT WALL.
8. REMOVE ORIGINAL BYPASS PUMP TO ALLOW WATER CONVEY THROUGH THE NEWLY POSITIONED CULVERT.
9. REPEAT PROCESS FOR EACH 20M SECTION.



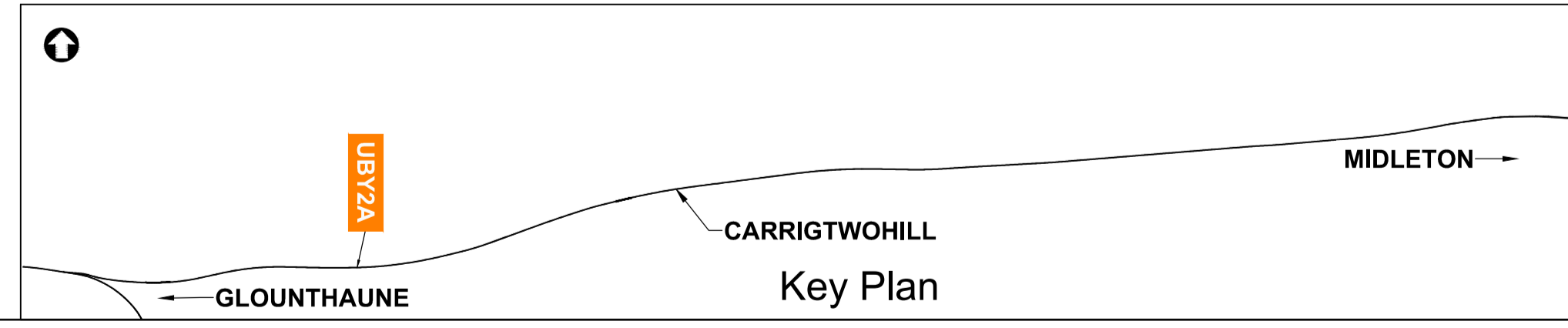
Open Culvert Unit Joint Detail
1:5 @ A1
1:10 @ A3



UB2A Culvert Long Section
1:50 @ A1
1:100 @ A3



UB2A Culvert Cross Section B-B
1:50 @ A1
1:100 @ A3



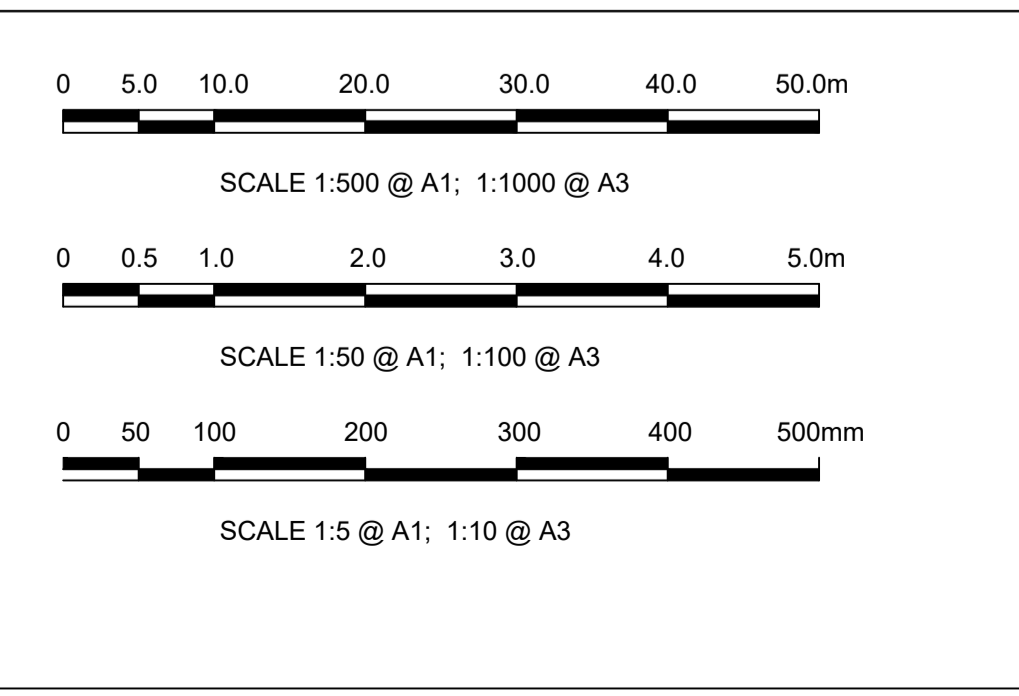
Key Plan

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	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
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Iarnród Éireann Irish Rail

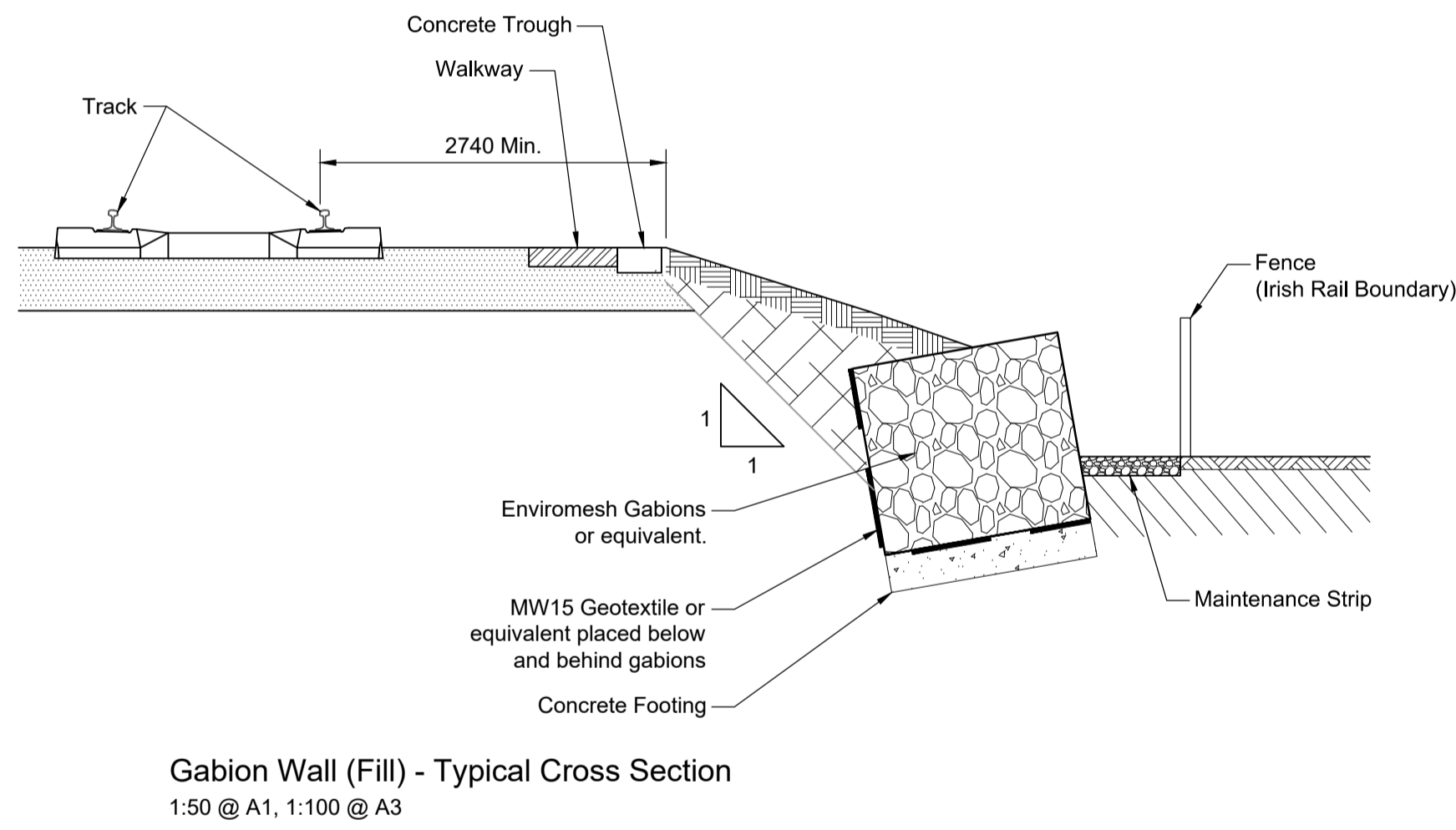
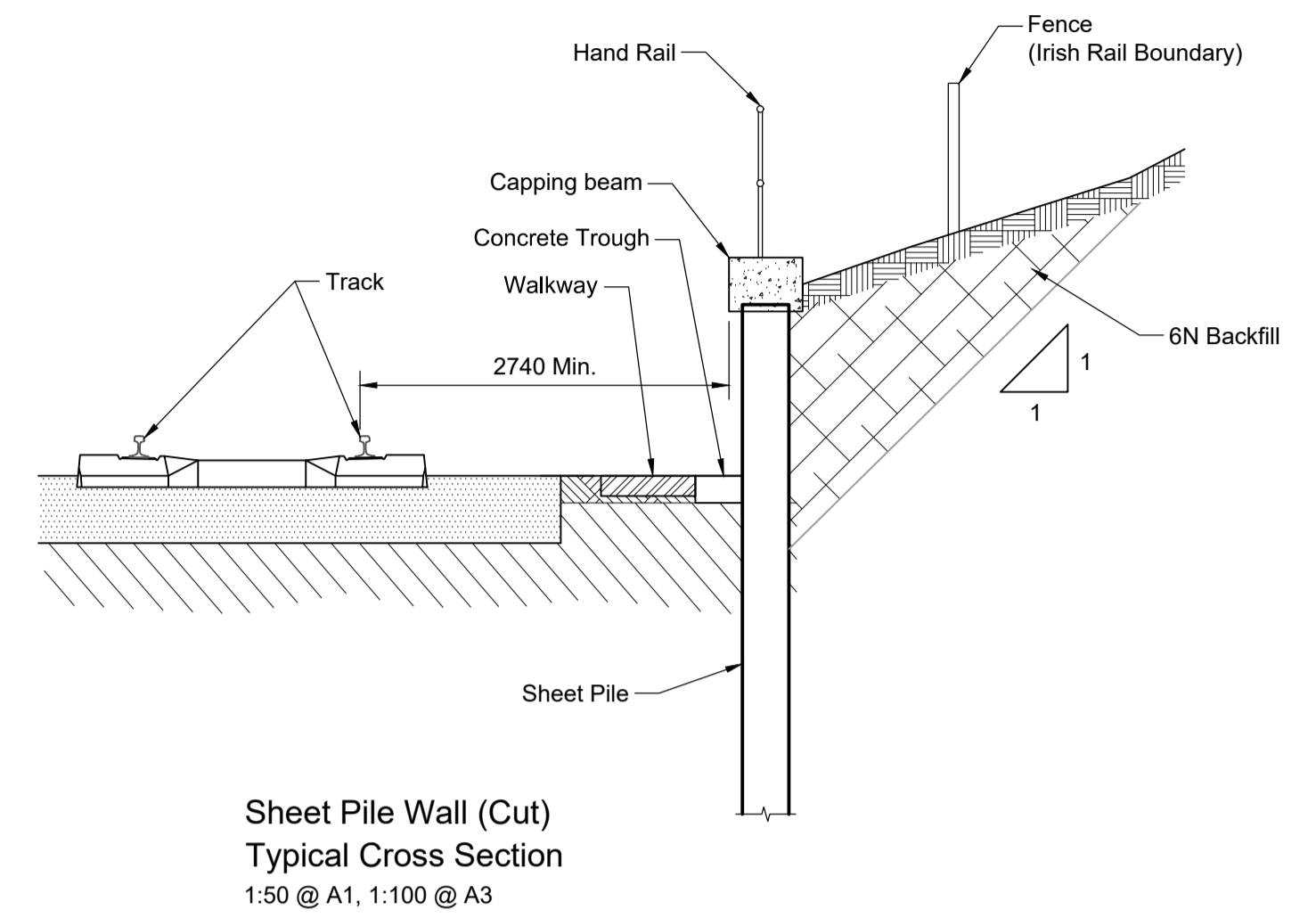
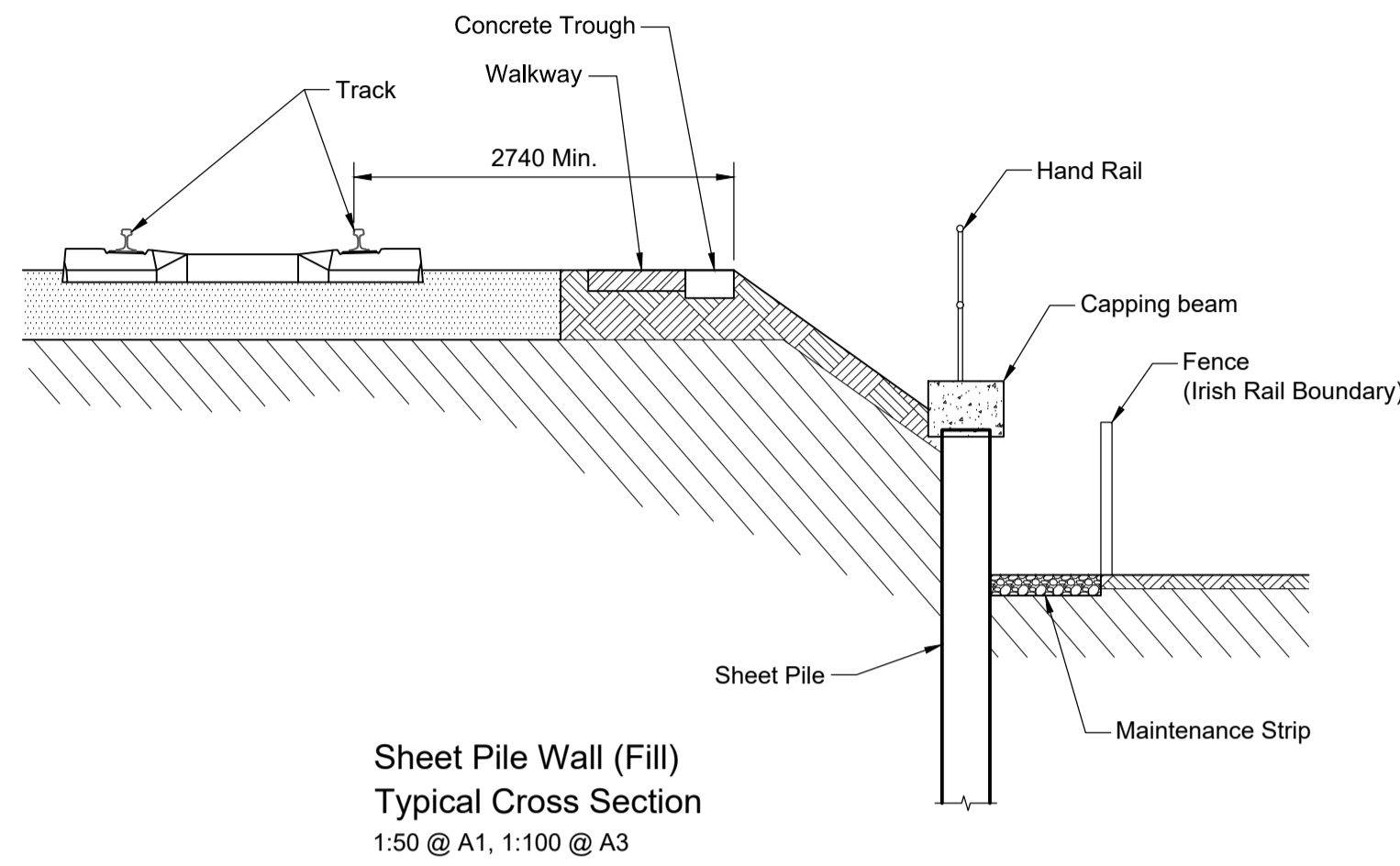
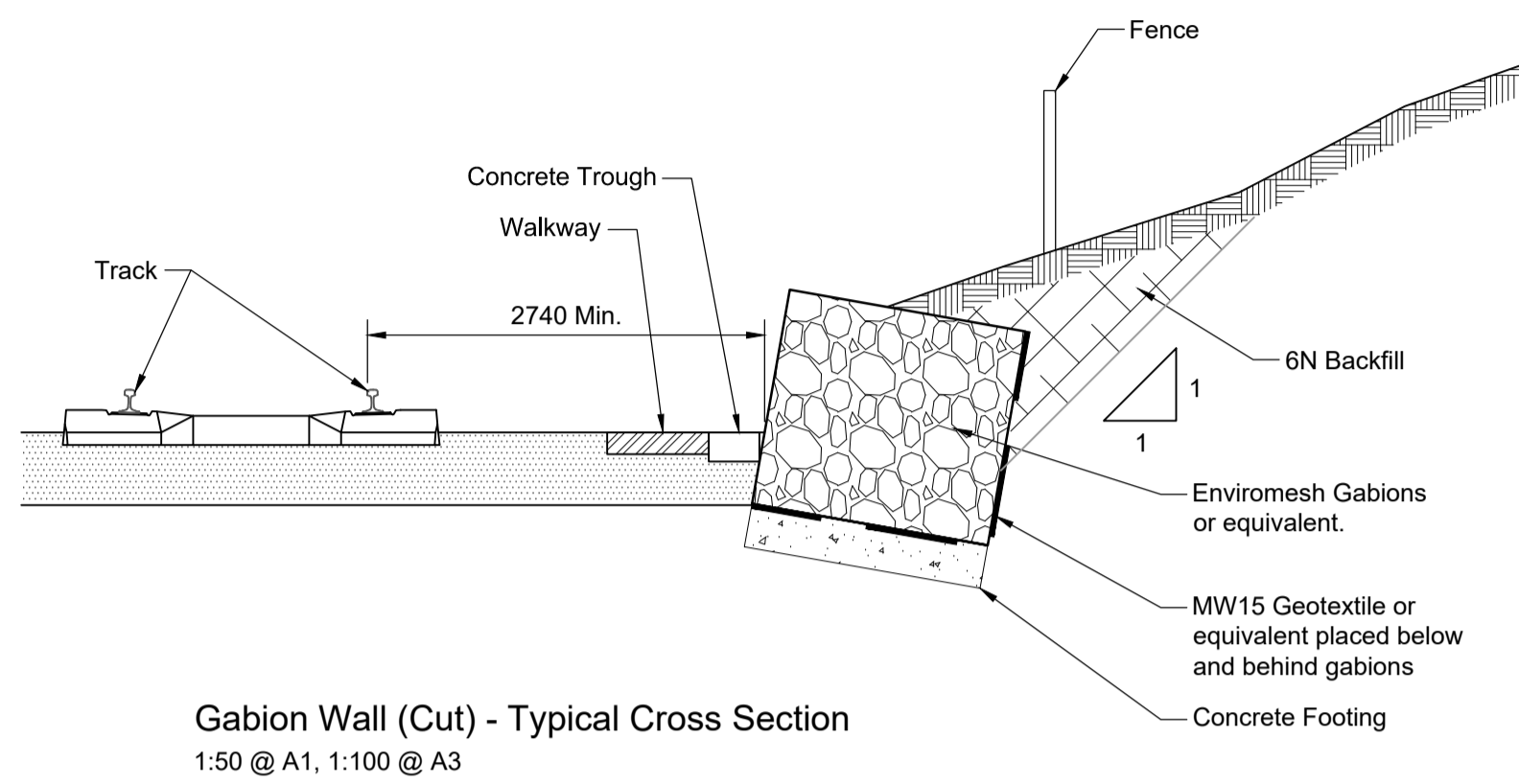
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P01	27/06/22	RS	CC	JM	Preliminary Design for Public Consultation
P02	27/06/22	RS	CC	JM	Preliminary Design for Public Consultation
P03	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN

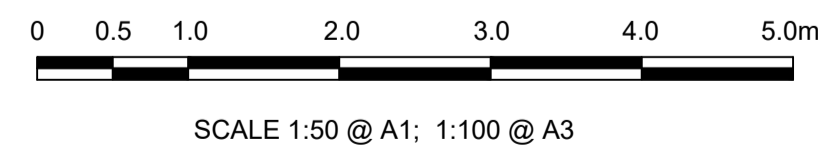
Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD	Dwg check	R. SEXTON	Eng check	N. SAMACHETTY
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Project Title		CORK AREA COMMUTER RAIL	
Drawing Title		GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing File Name		C745-WP3 03-XX-XX-XXX-DR-MMD-SE-0240	
Coordination	Approved	Scale @A1: AS SHOWN	Acceptance
N.SAMACHETTY	J.MCINERNEY	Scale @A3: AS SHOWN	S
Sheet	15	Purpose	P1
of	26	Rev	P03



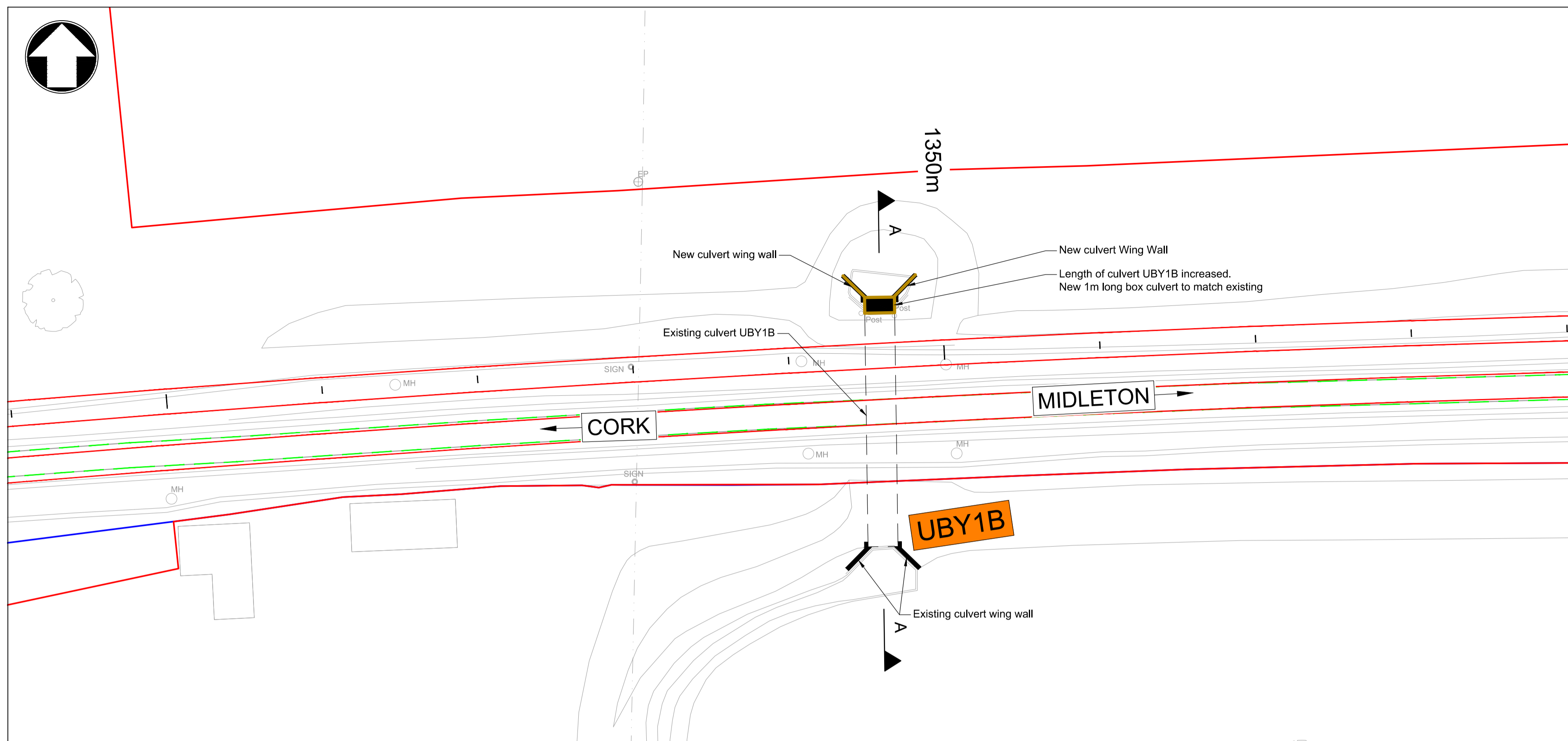
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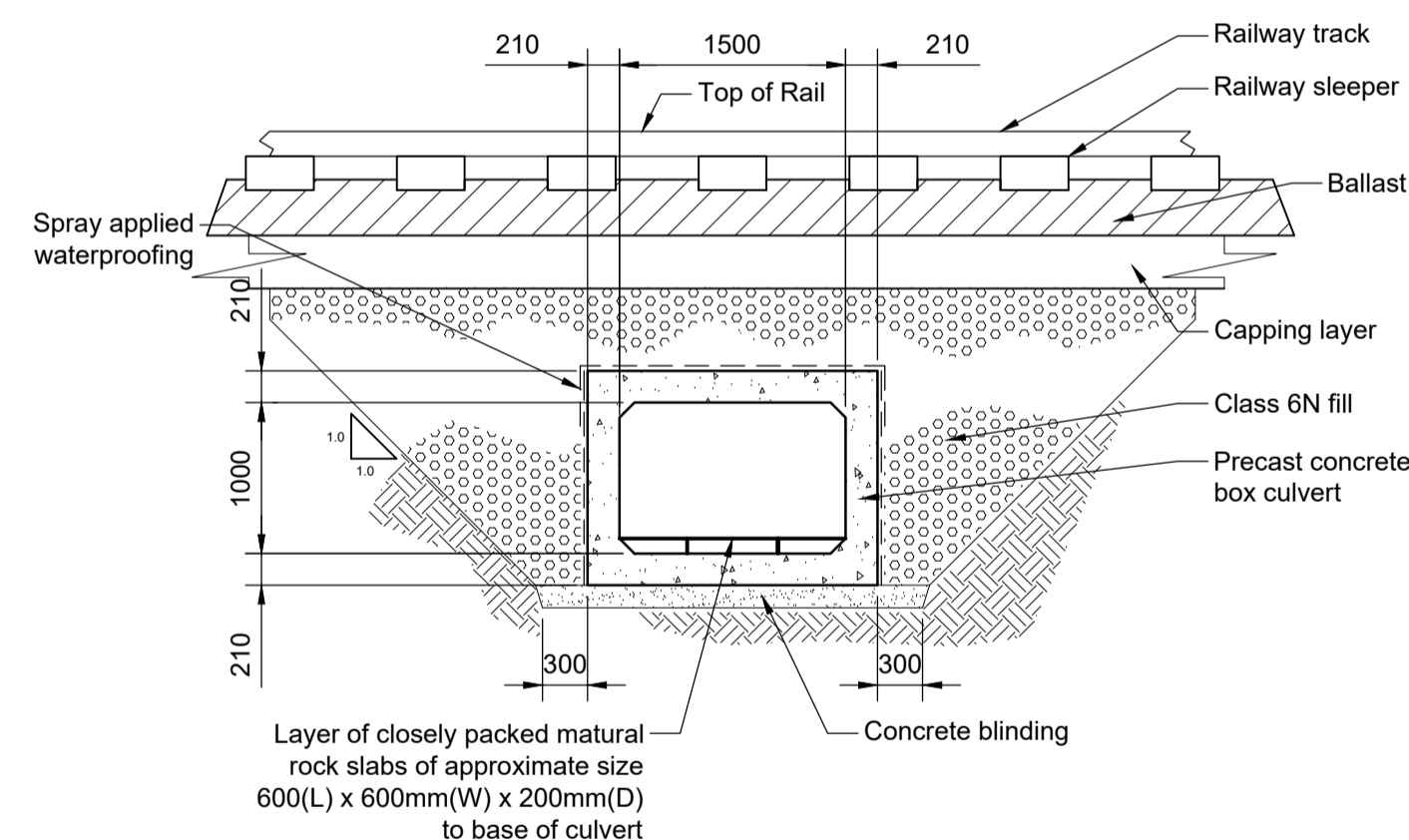


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 		Drawing Title STRUCTURES TYPICAL DETAILS SHEET PILE AND GABION WALL		Drawing File Name C745-WP3 03-XX-XX-XXX-DR-MMD-SE-0250																									
5 Eastgate Avenue Eastgate Little Island Cork Ireland T +353 (0) 21 4809800 F +353 (0) 21 4809801 W www.mottmac.com		<table border="1"> <tr> <td>P01</td> <td>10/06/22</td> <td>RS</td> <td>RS</td> <td>JM</td> <td>Preliminary Design for Public Consultation</td> </tr> <tr> <td>P02</td> <td>22/09/22</td> <td>RS</td> <td>NS</td> <td>JM</td> <td>PHASE 3: PRELIMINARY DESIGN</td> </tr> <tr> <th>Rev</th> <th>Date</th> <th>Drawn</th> <th>Eng Check</th> <th>Appr</th> <th>Description</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		P01	10/06/22	RS	RS	JM	Preliminary Design for Public Consultation	P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN	Rev	Date	Drawn	Eng Check	Appr	Description							Sheet 16 of 26	
P01	10/06/22	RS	RS	JM	Preliminary Design for Public Consultation																								
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN																								
Rev	Date	Drawn	Eng Check	Appr	Description																								
		Date 22/09/22		Coordination N.SAMACHETTY																									
Designed R. SEXTON		Drawn R. SEWARD		Eng check N.SAMACHETTY																									
Dwg check R. SEXTON		Eng check N.SAMACHETTY		Acceptance J.MCINERNEY																									
Scale @A1: AS SHOWN Scale @A3: AS SHOWN		Purpose P1		Rev P02																									

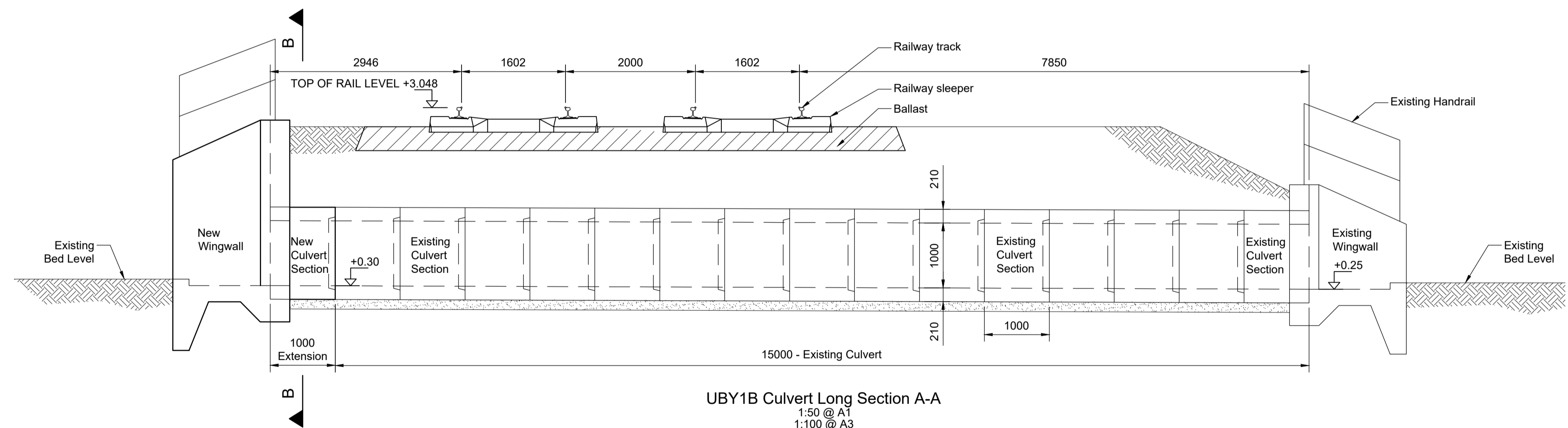
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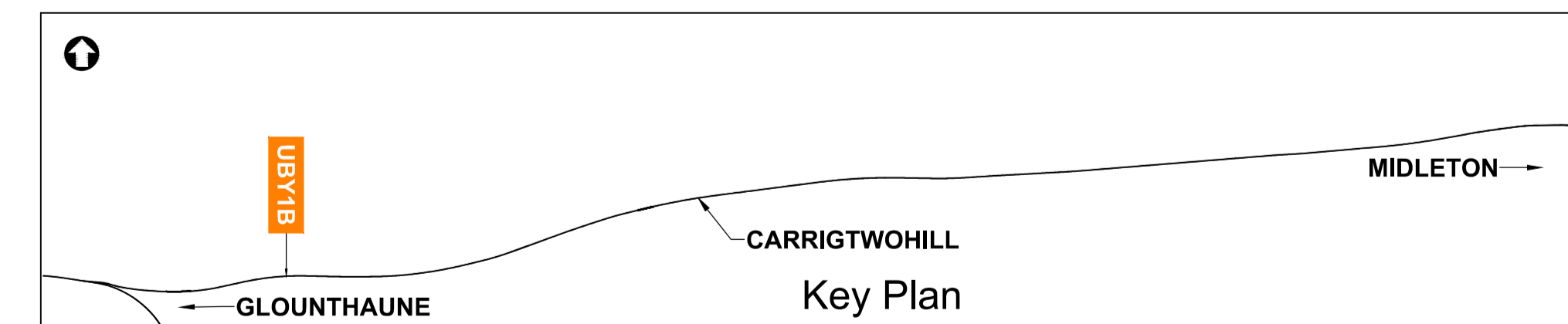
Plan
1:200 @ A1, 1:400 @ A3



UB1B Culvert Cross Section B-B
1:50 @ A1
1:100 @ A3



UB1B Culvert Long Section A-A
1:50 @ A1
1:100 @ A3

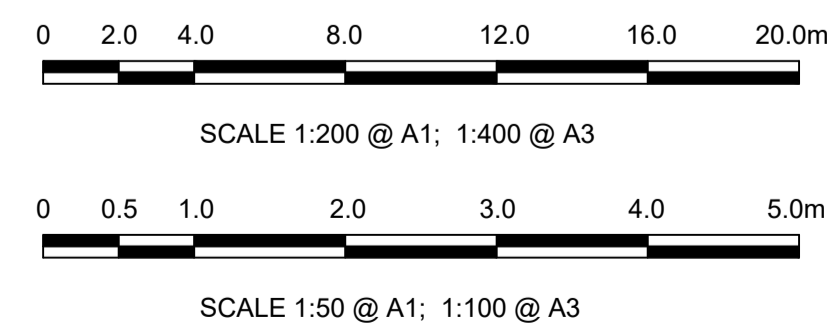


Key Plan

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LEGEND

	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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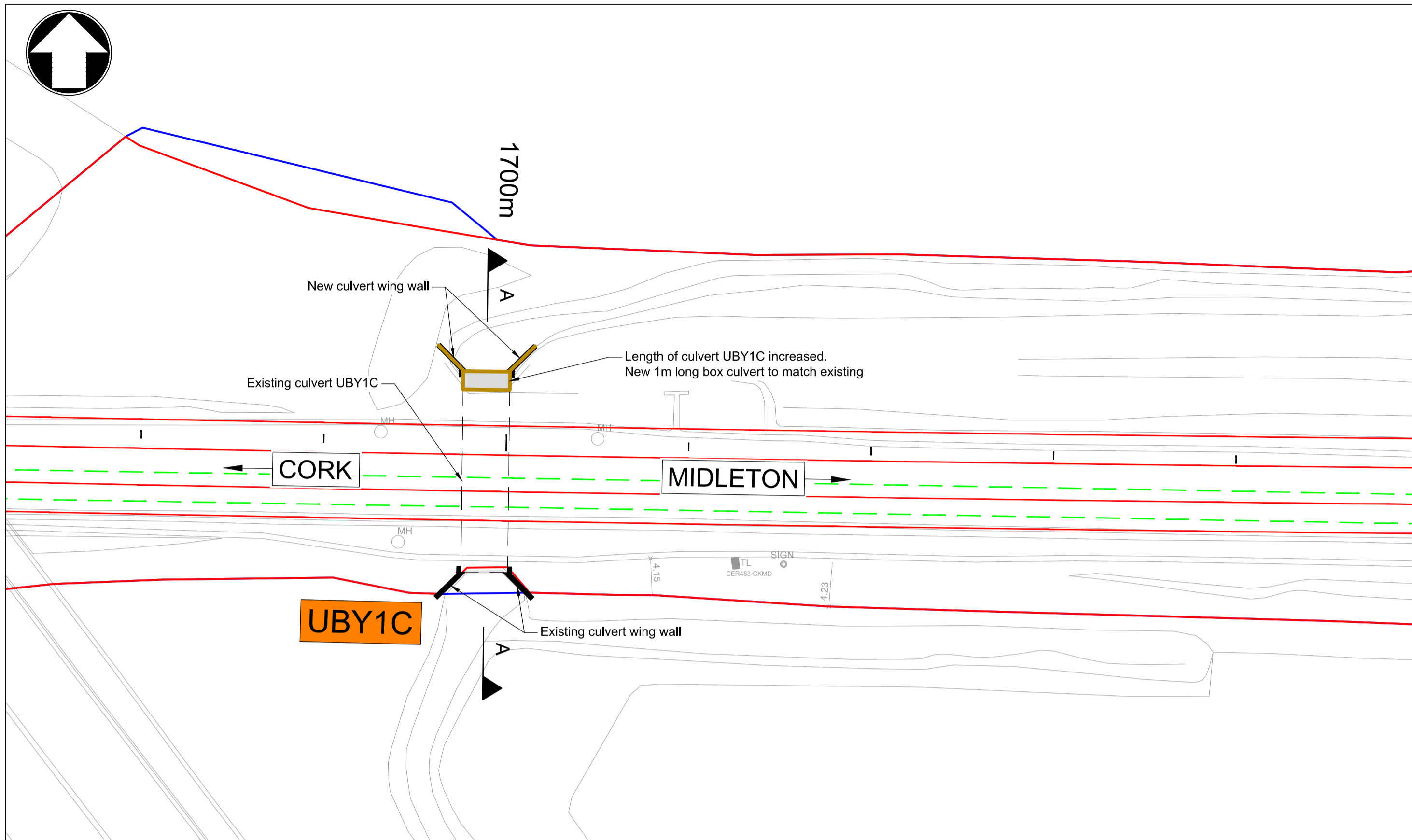
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Rev	Date	Drawn	Eng Check	Appr	Description
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P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN

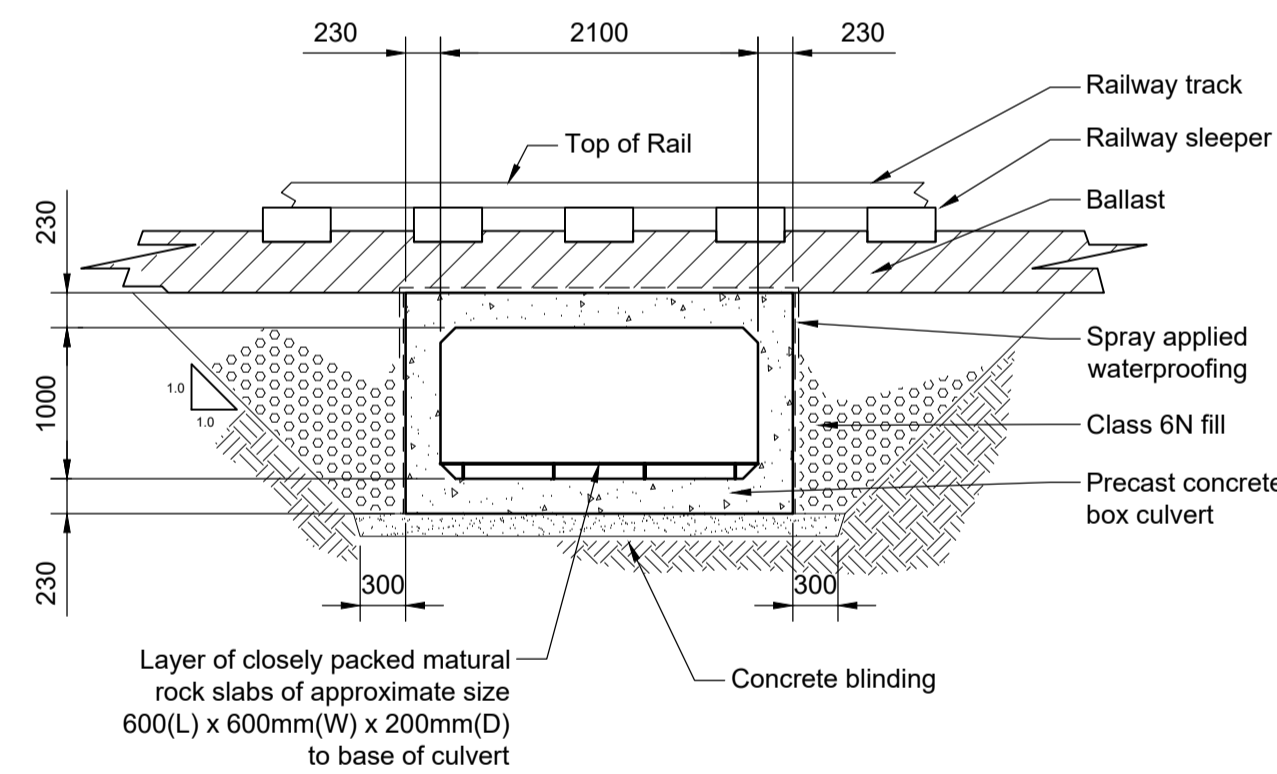
Date	Designed	Drawn	Dwg check	Eng check
22/09/22	R. SEXTON	R. SEWARD	R. SEXTON	N. SAMACHETTY

Project Title CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDDLETON TWIN TRACK	
Drawing Title EXISTING CULVERT UB1B CH1346 PLAN, SECTION & ELEVATION	
Drawing File Name C745-WP3 03-XX-XX-XXX-DR-MMD-SE-0260	Sheet 17 of 26
Coordination N.SAMACHETTY	Approved J.MCINERNEY
Scale @A1: AS SHOWN	Acceptance S
Scale @A3: AS SHOWN	Purpose P1
	Rev P02

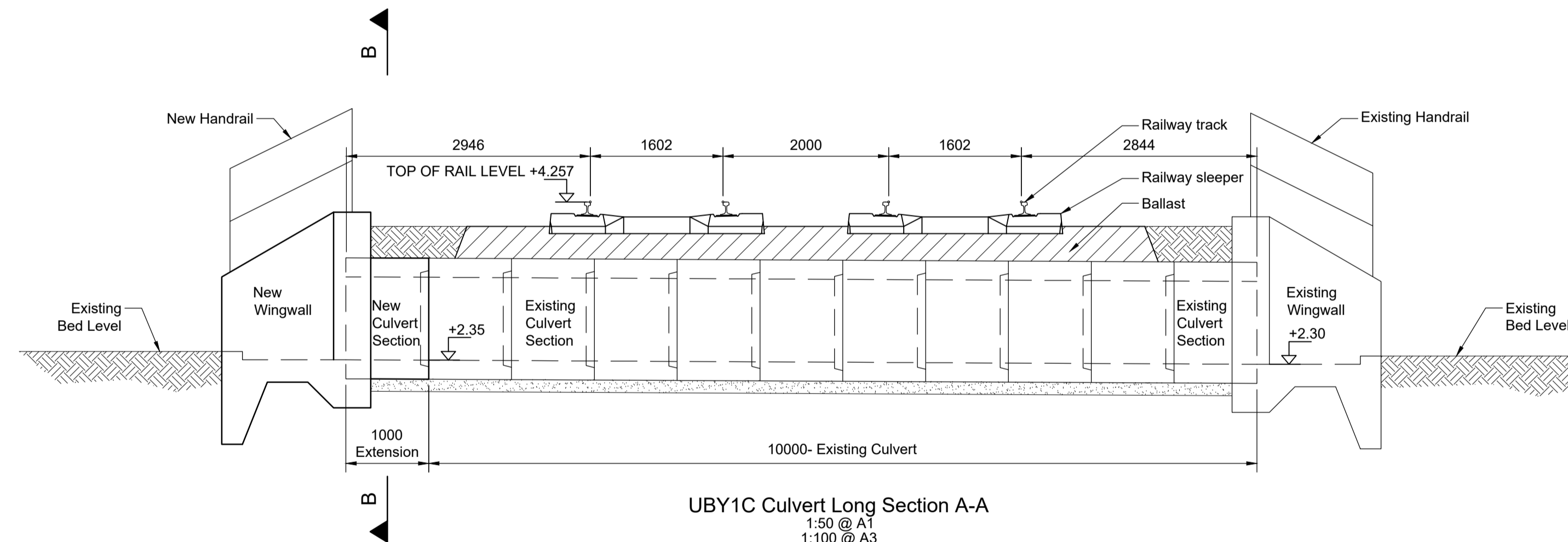
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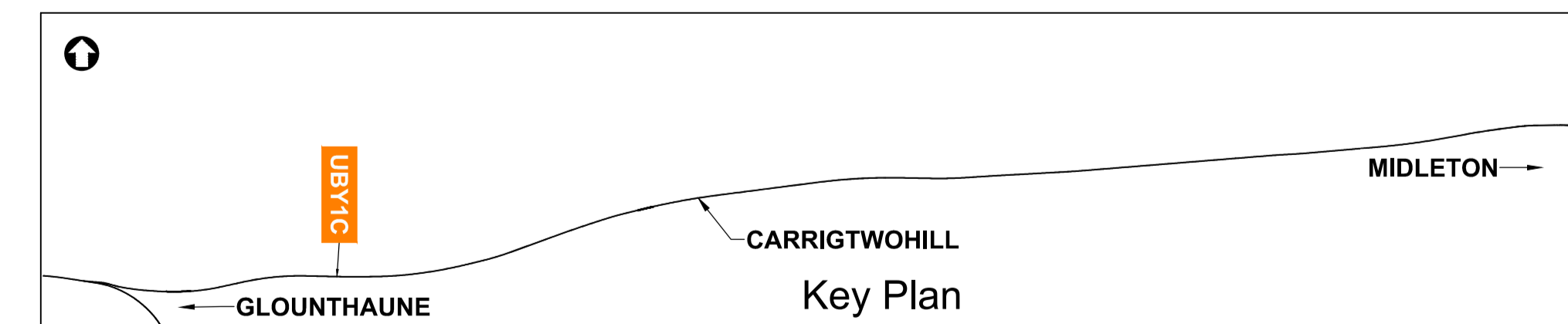
Plan
1:200 @ A1, 1:400 @ A3



UB1C Culvert Cross Section B-B
1:50 @ A1
1:100 @ A3



UB1C Culvert Long Section A-A
1:50 @ A1
1:100 @ A3

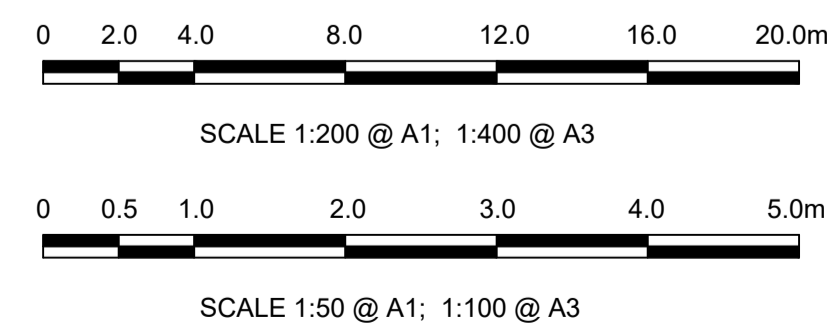


Key Plan

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LEGEND

	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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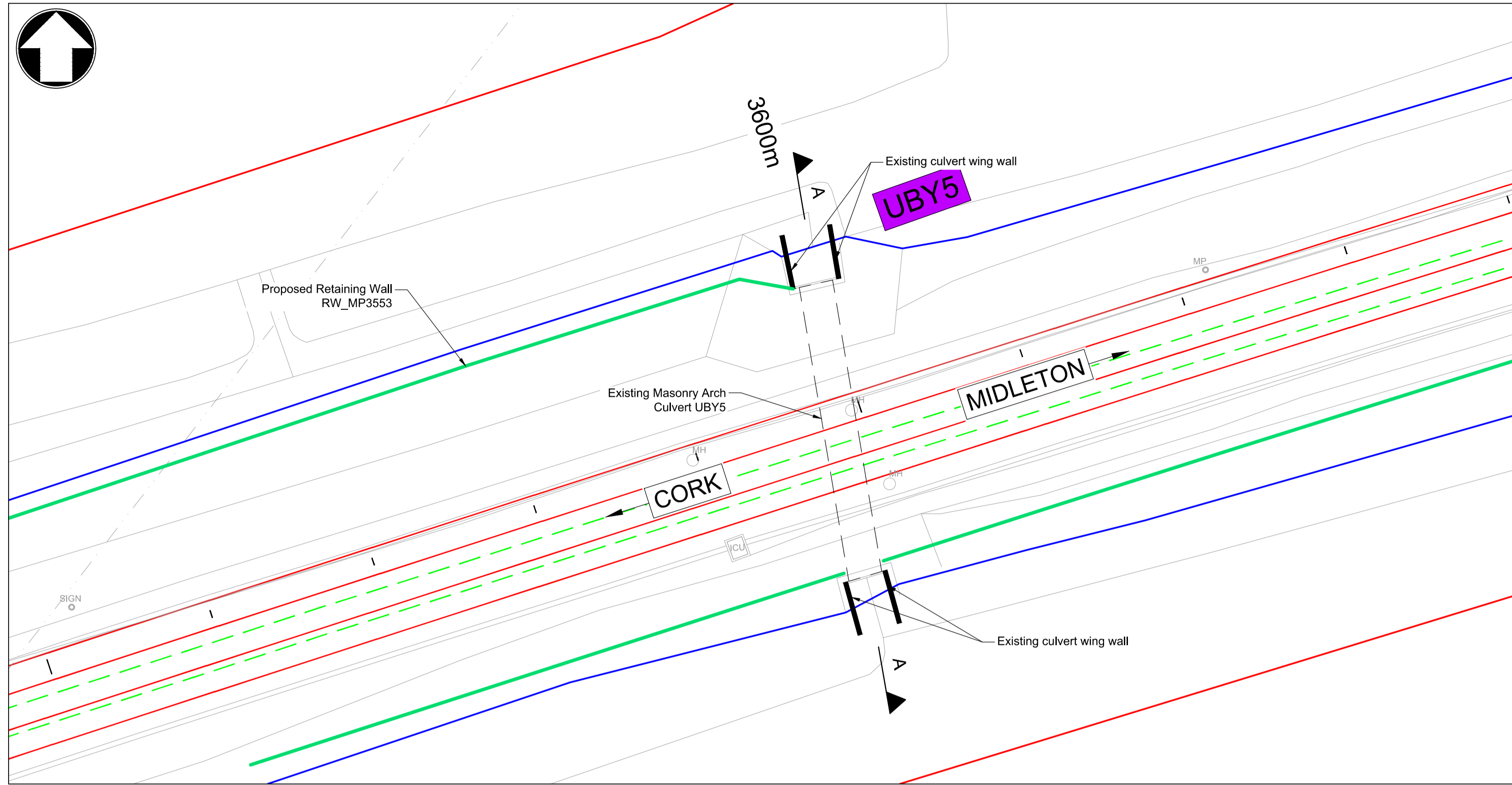
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Rev	Date	Drawn	Eng Check	Appr	Description
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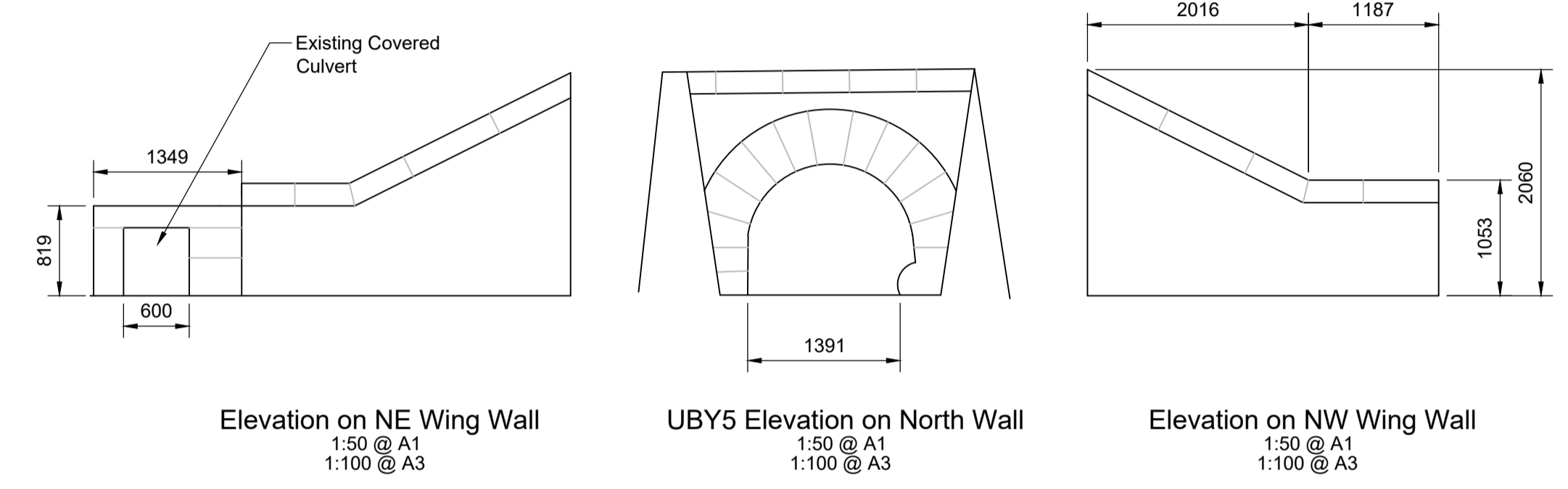
Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD	Dwg check	R. SEXTON	Eng check	N. SAMACHETTY
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Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title		EXISTING CULVERT UB1C CH1700 PLAN, SECTION & ELEVATION	
Drawing File Name	C745-WP3 03-XX-XX-XXX-DR-MMD-SE-0270	Sheet	18 of 26
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1:	AS SHOWN	Acceptance	S
Scale @A3:	AS SHOWN	Purpose	P1
		Rev	P02

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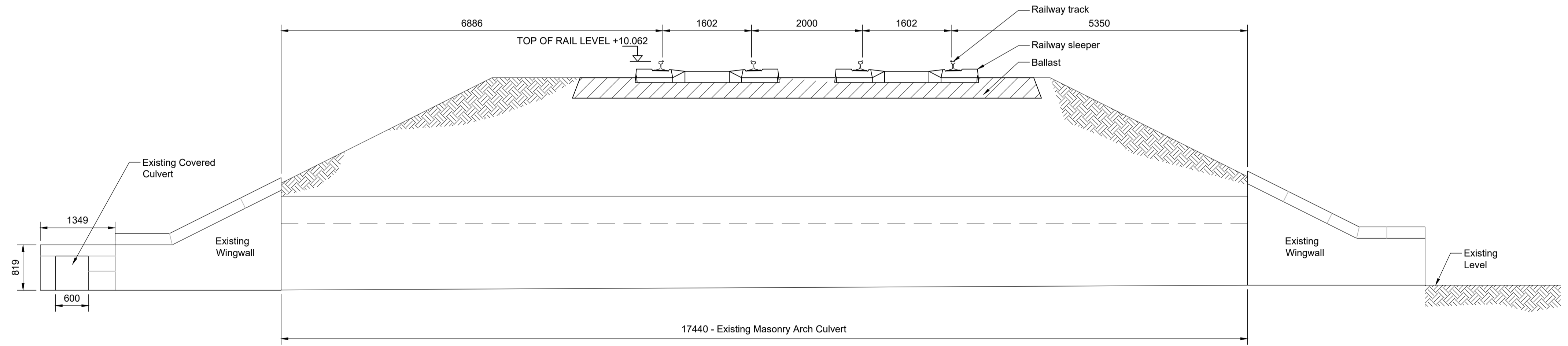
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1:400 @ A3



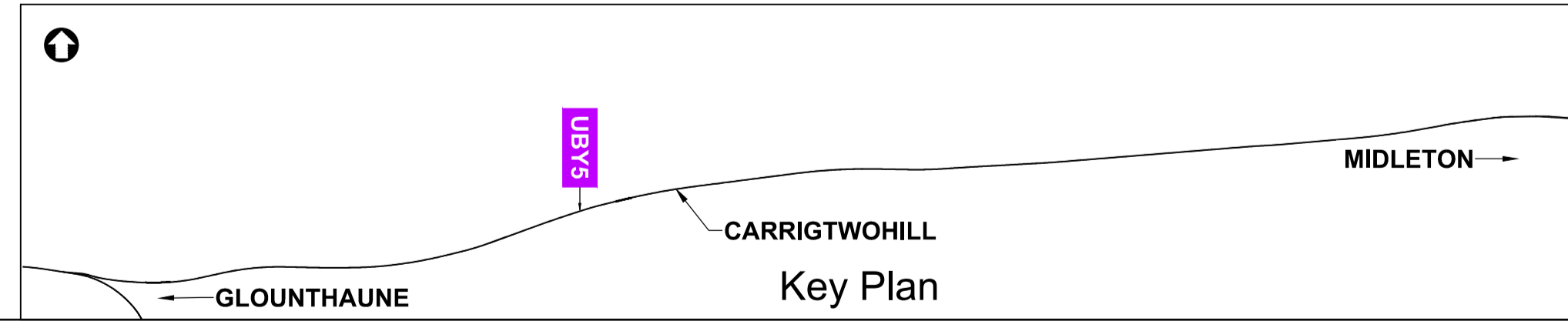
Elevation on NE Wing Wall
1:50 @ A1
1:100 @ A3

UB5 Elevation on North Wall
1:50 @ A1
1:100 @ A3

Elevation on NW Wing Wall
1:50 @ A1
1:100 @ A3



UB5 Culvert Long Section A-A
1:50 @ A1
1:100 @ A3



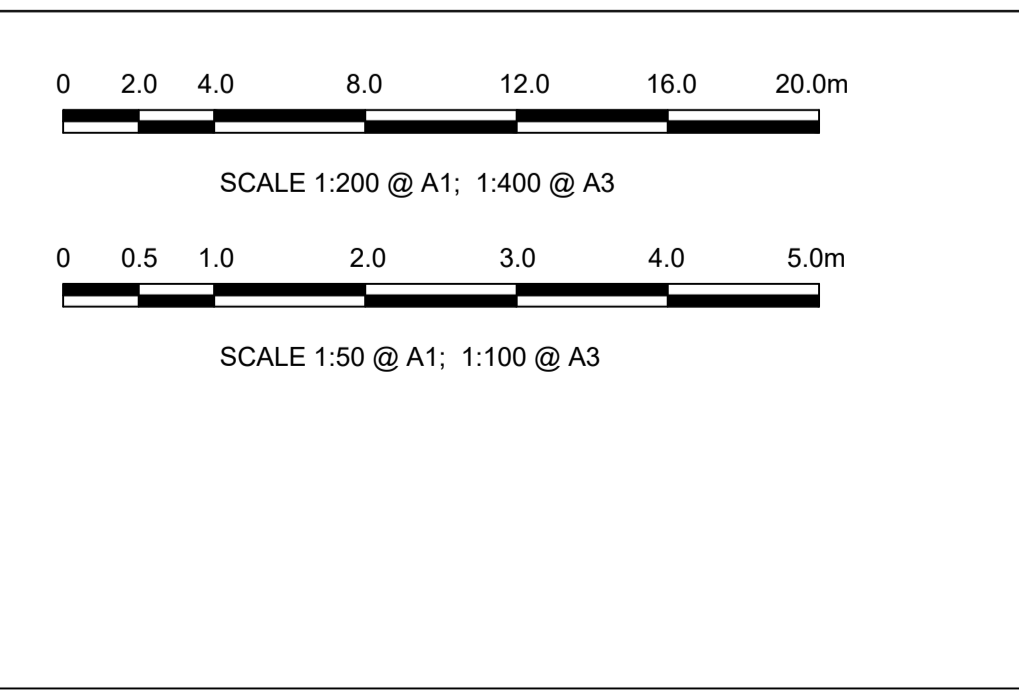
Key Plan

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LEGEND

	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
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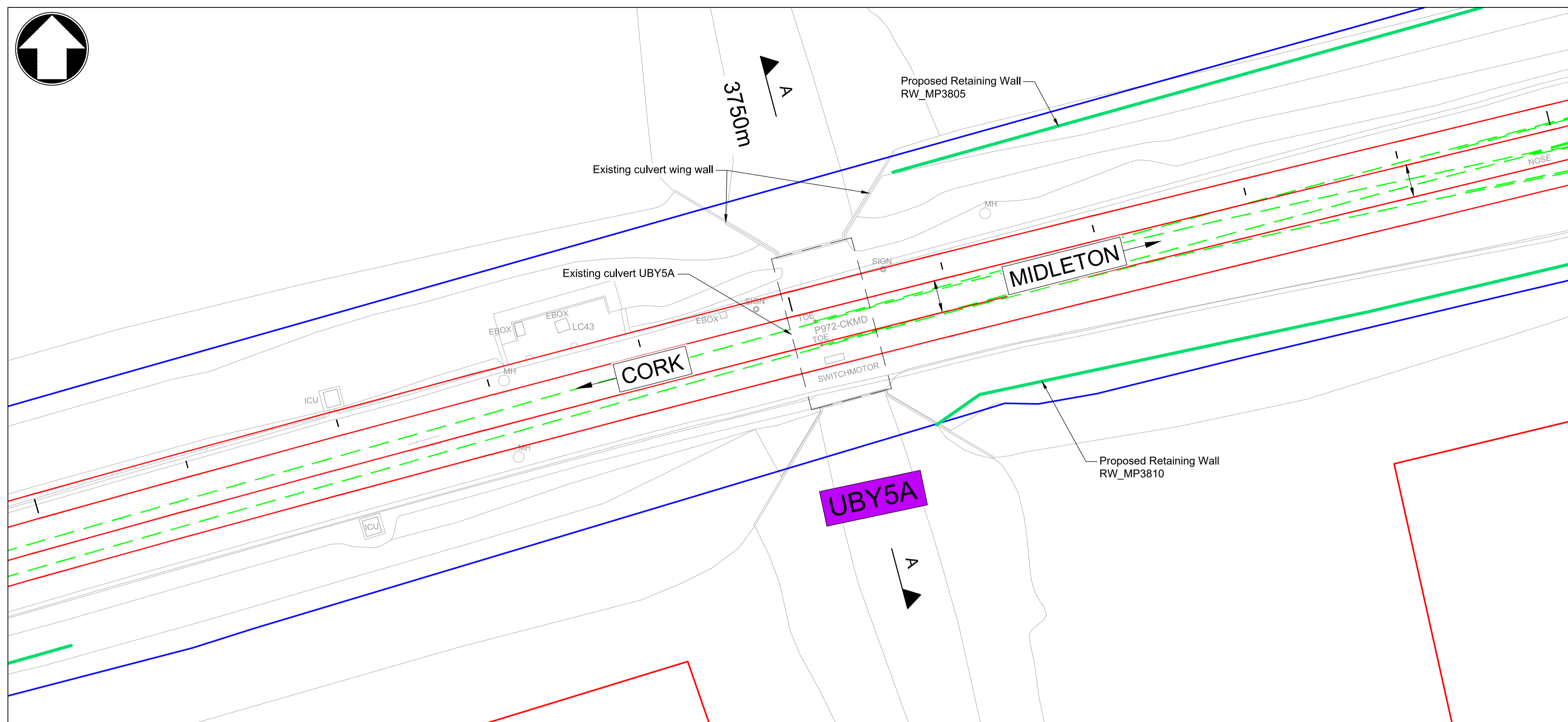
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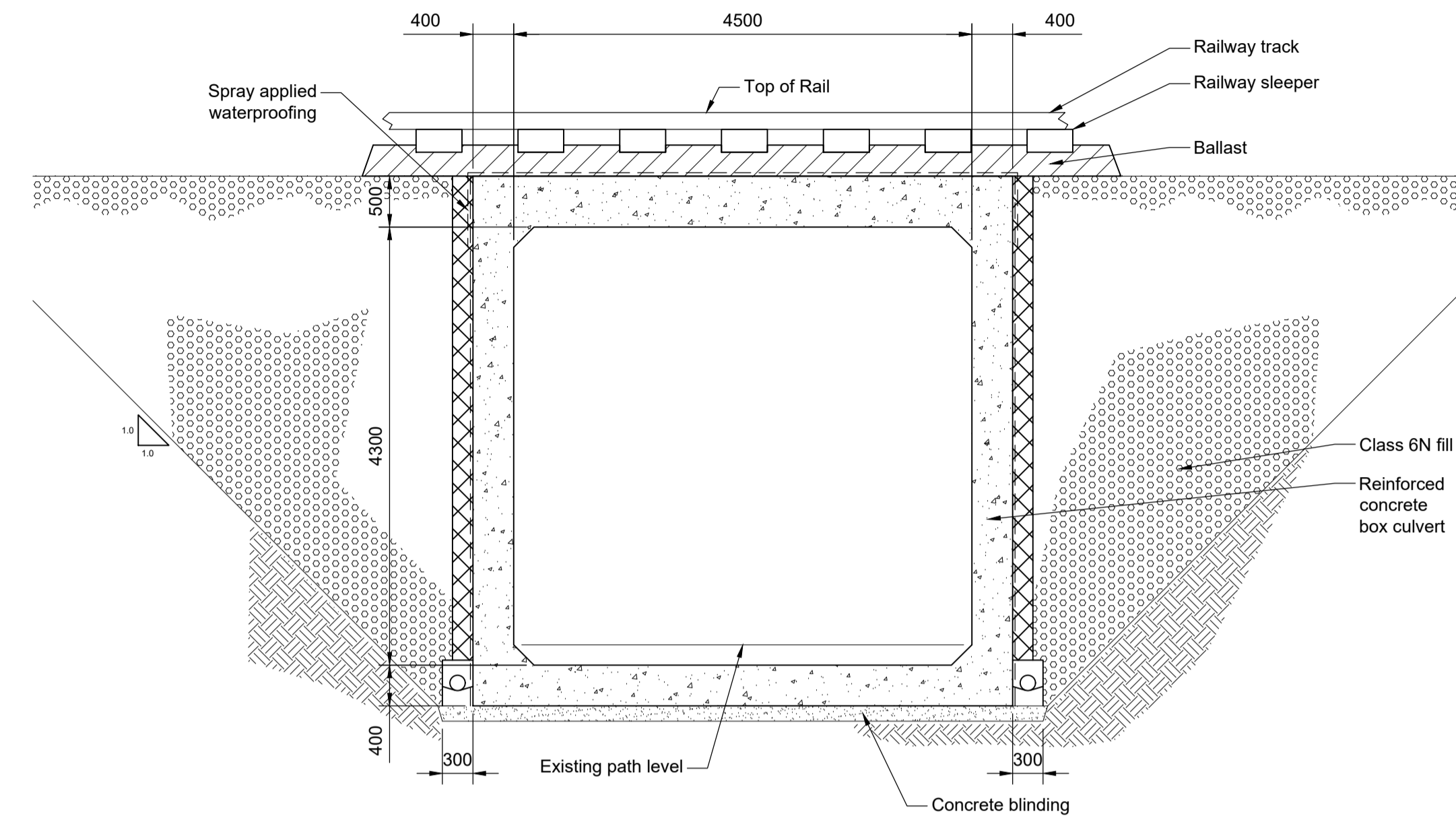
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P01	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN
Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD
		Dwg check	R. SEXTON	Eng check	N. SAMACHETTY

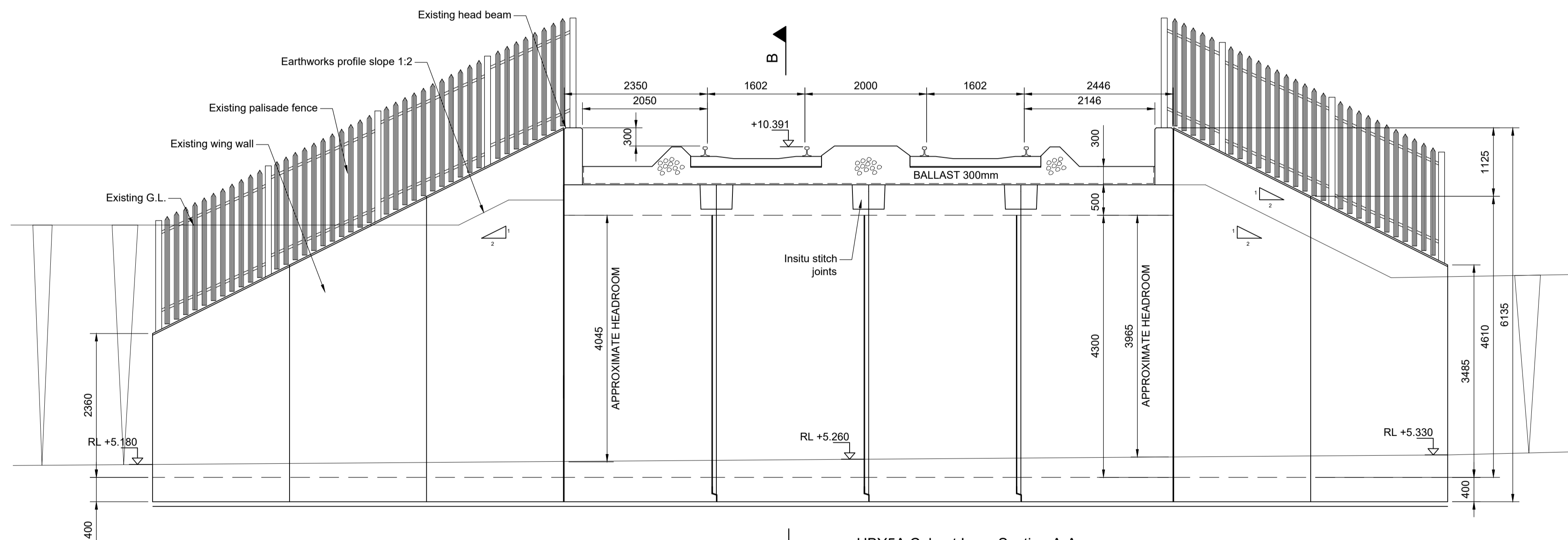
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Drawing Title EXISTING CULVERT UB5 CH3600 PLAN, SECTIONS AND ELEVATIONS	
Drawing File Name C745-WP3 03-XX-XX-XXX-DR-MMD-SE-0280	Sheet 19 of 26
Coordination N.SAMACHETTY	Approved J.MCINERNEY
Scale @A1: AS SHOWN	Acceptance S
Scale @A3: AS SHOWN	Purpose P1
	Rev P01



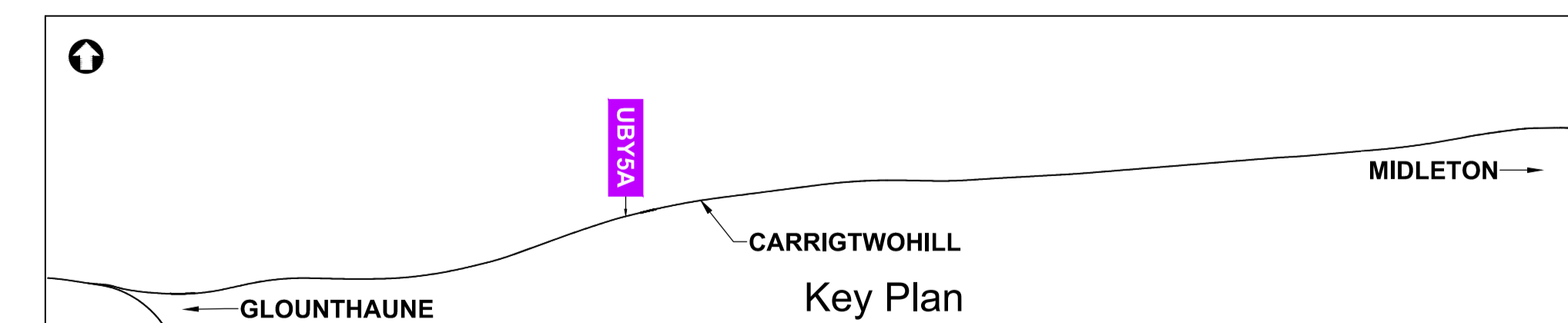
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1:200 @ A1
1:400 @ A3



UB5A Culvert Cross Section B-B
1:50 @ A1
1:100 @ A3



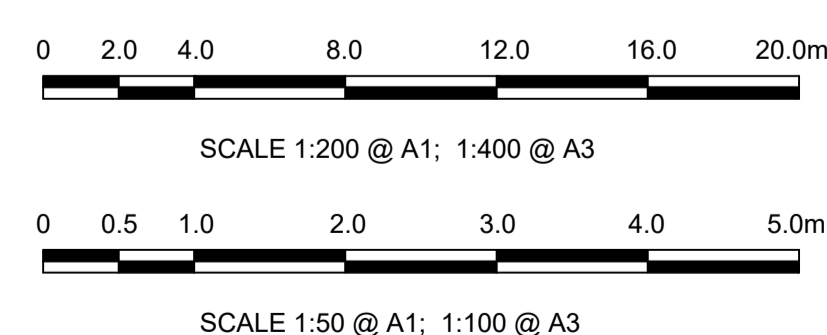
UB5A Culvert Long Section A-A
1:50 @ A1
1:100 @ A3



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LEGEND

	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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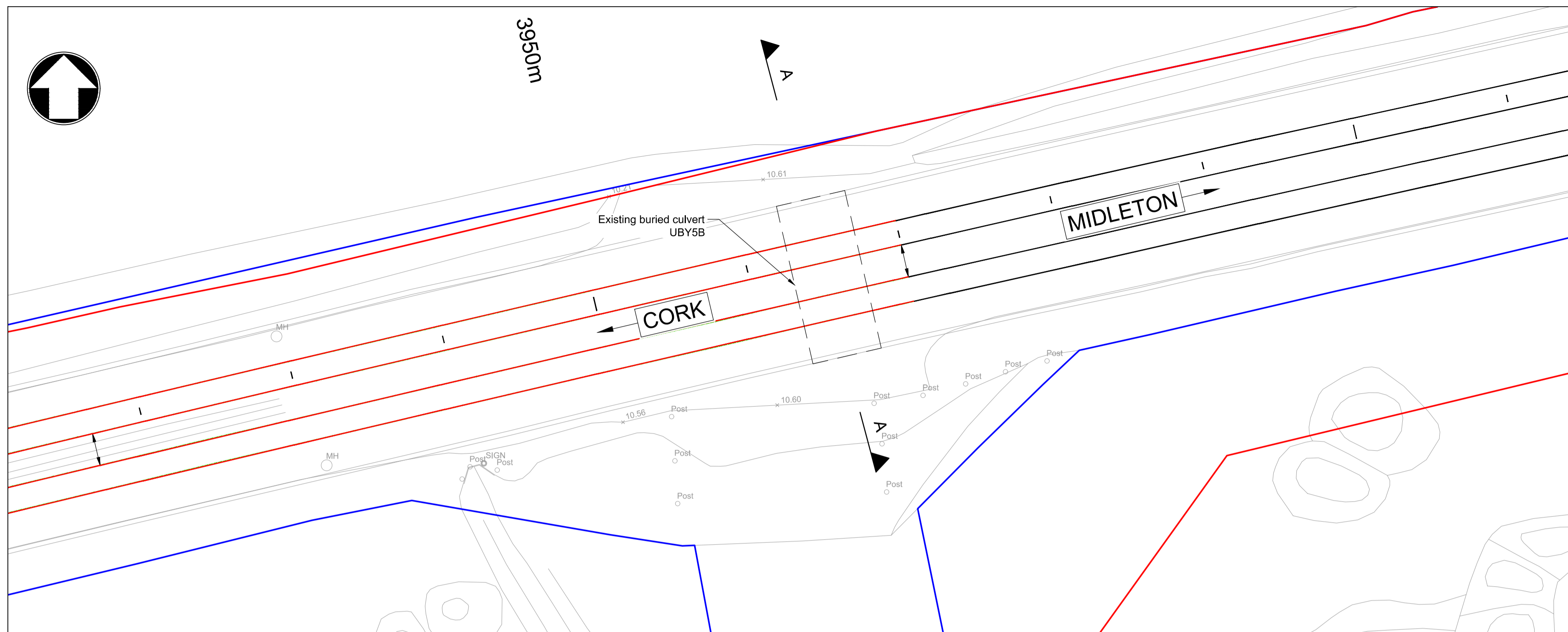
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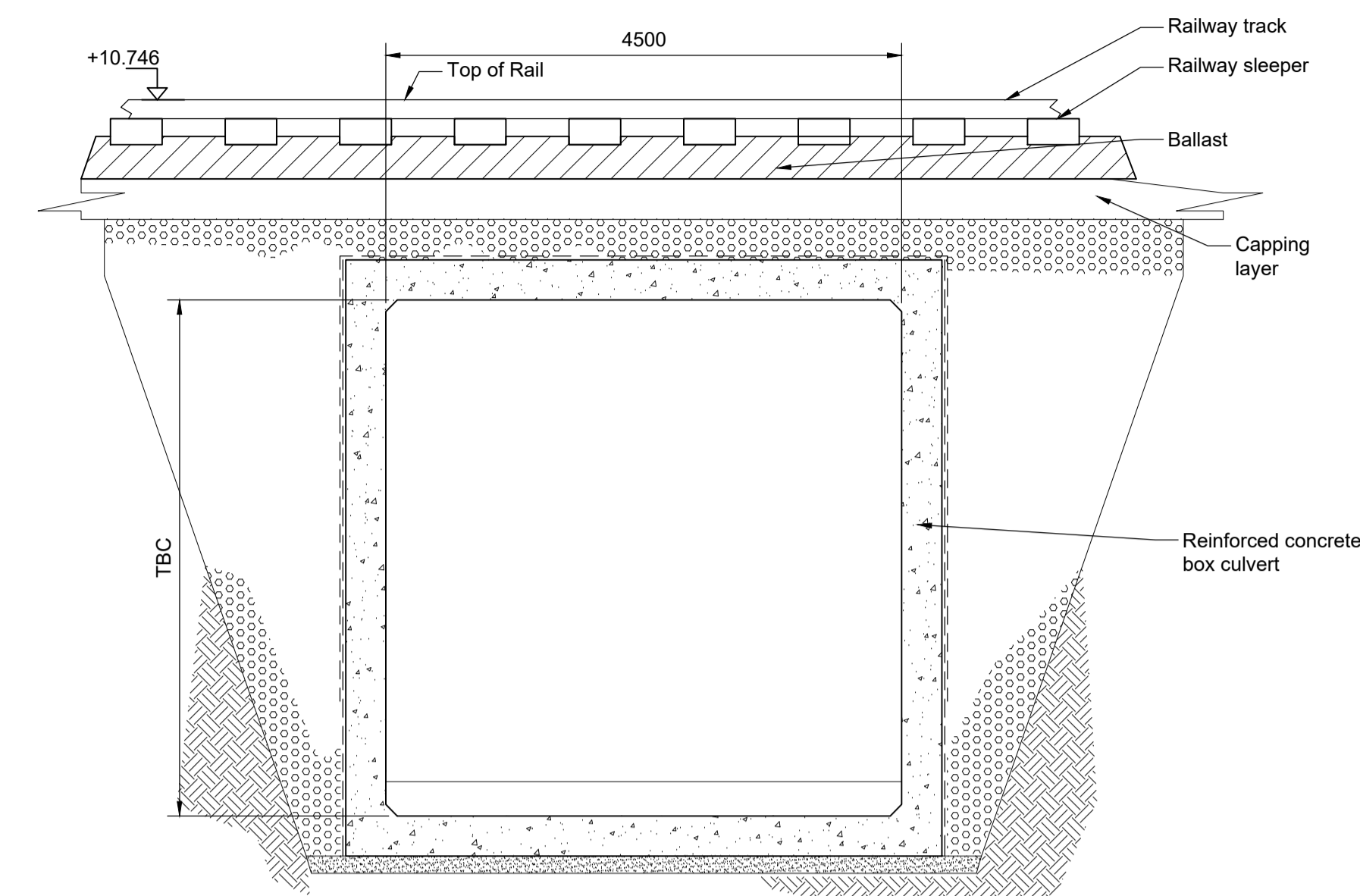
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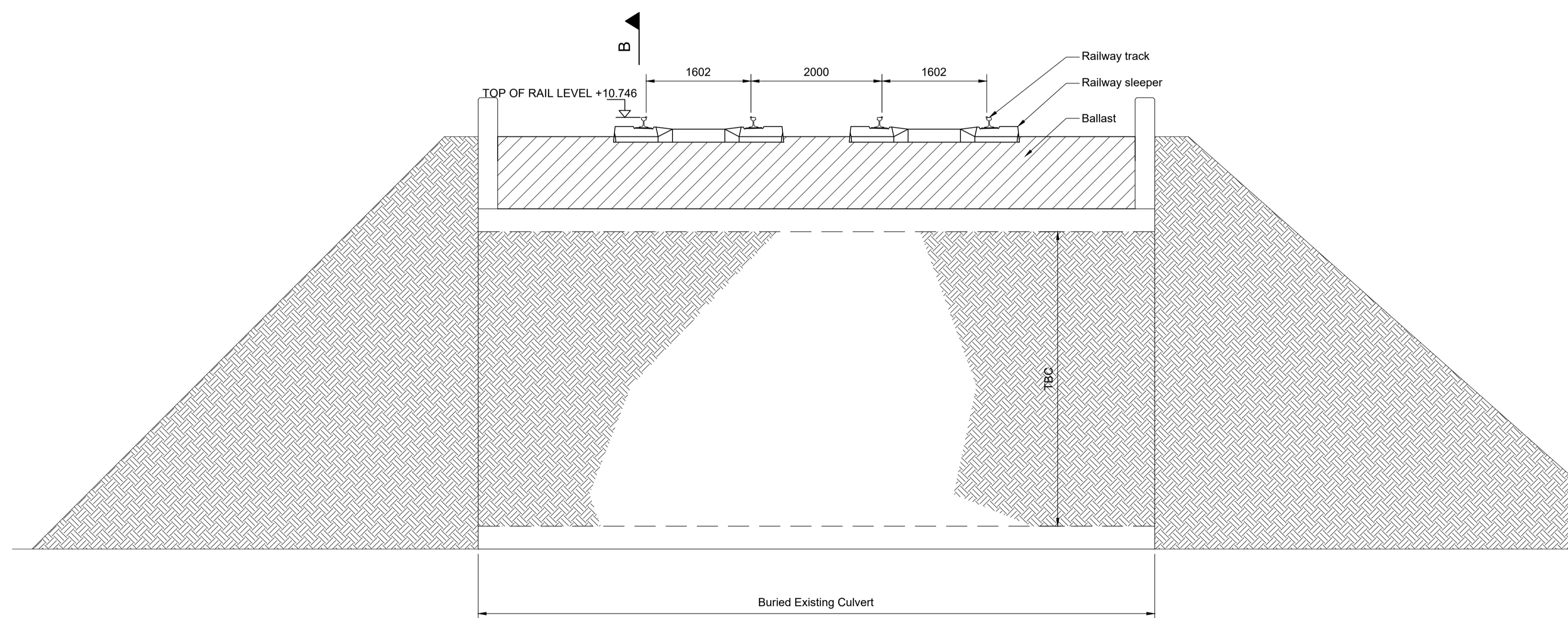
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Drawing Title EXISTING CULVERT UB5A CH3750 PLAN, SECTION & ELEVATION	
Drawing File Name C745-WP3 03-XX-XX-XXX-DR-MMD-SE-0290	Sheet 20 of 26
Coordination N.SAMACHETTY	Approved J.MCINERNEY
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	Rev P01



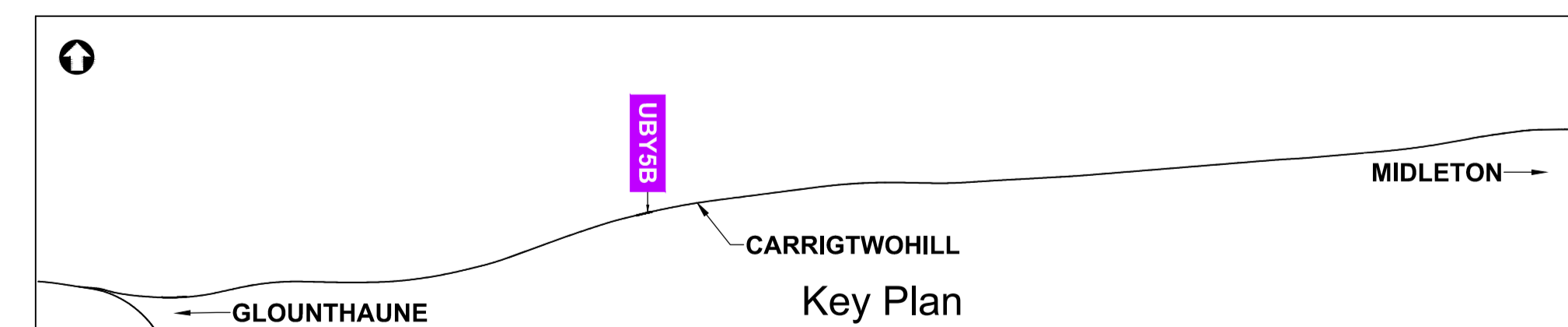
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1:400 @ A3



UBY5B Culvert Cross Section B-B
1:50 @ A1
1:100 @ A3



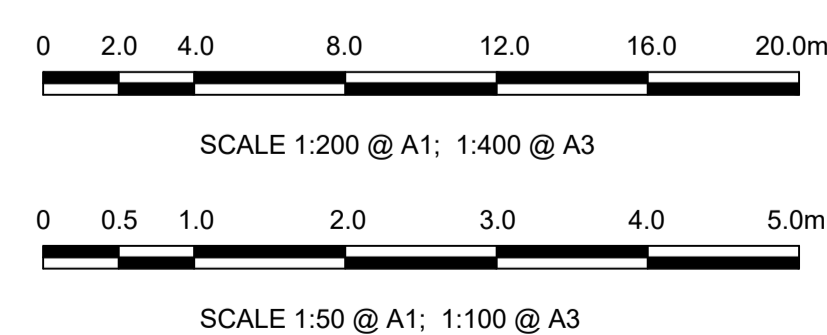
UBY5B Culvert Long Section A-A
1:50 @ A1
1:100 @ A3



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	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
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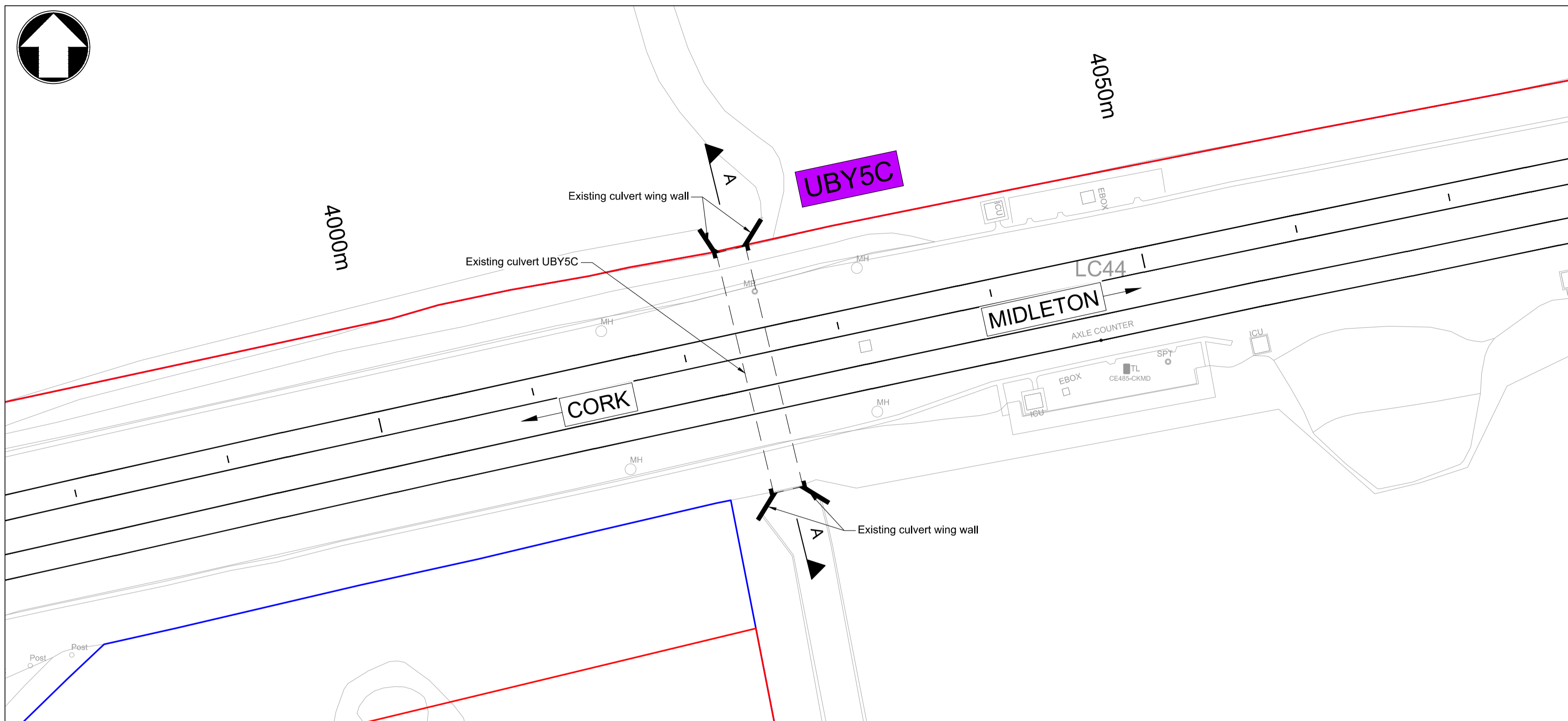


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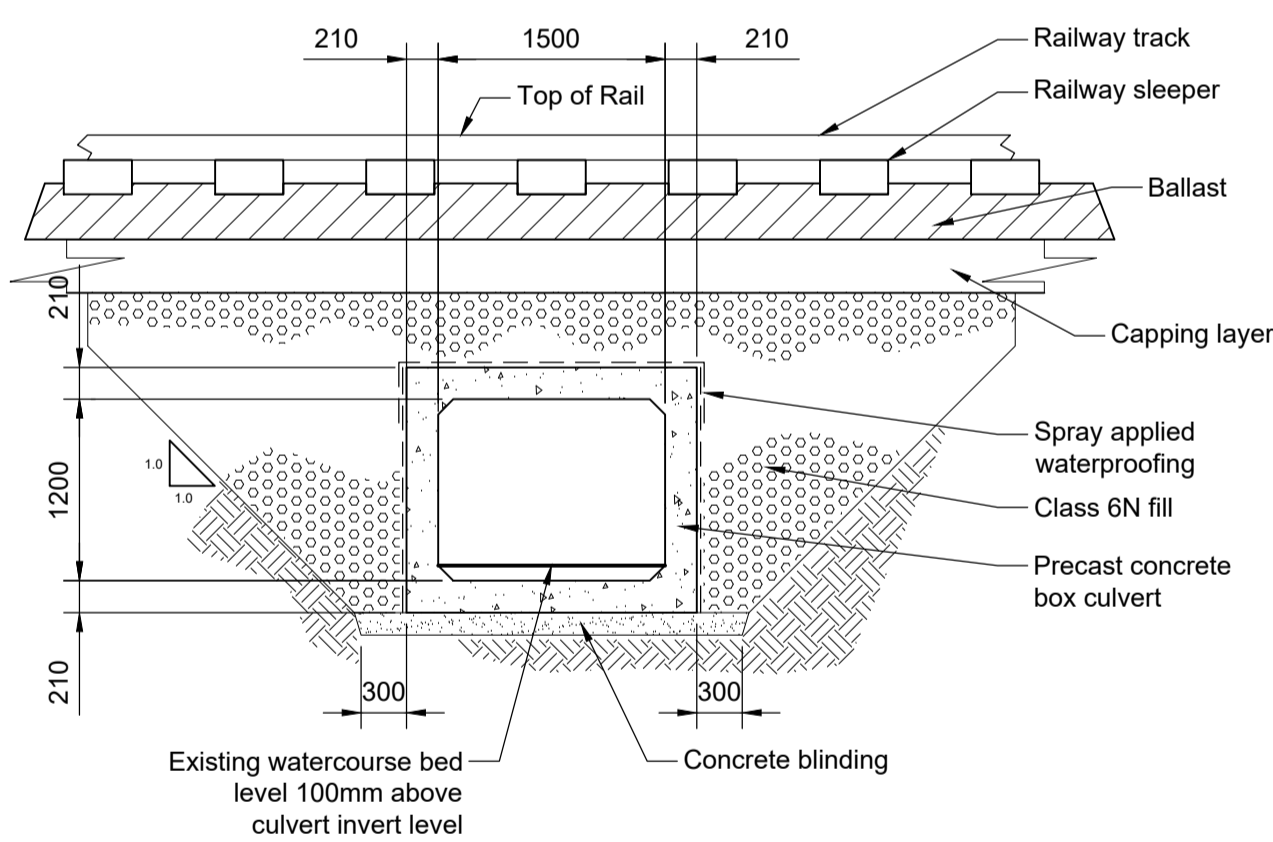
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Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD
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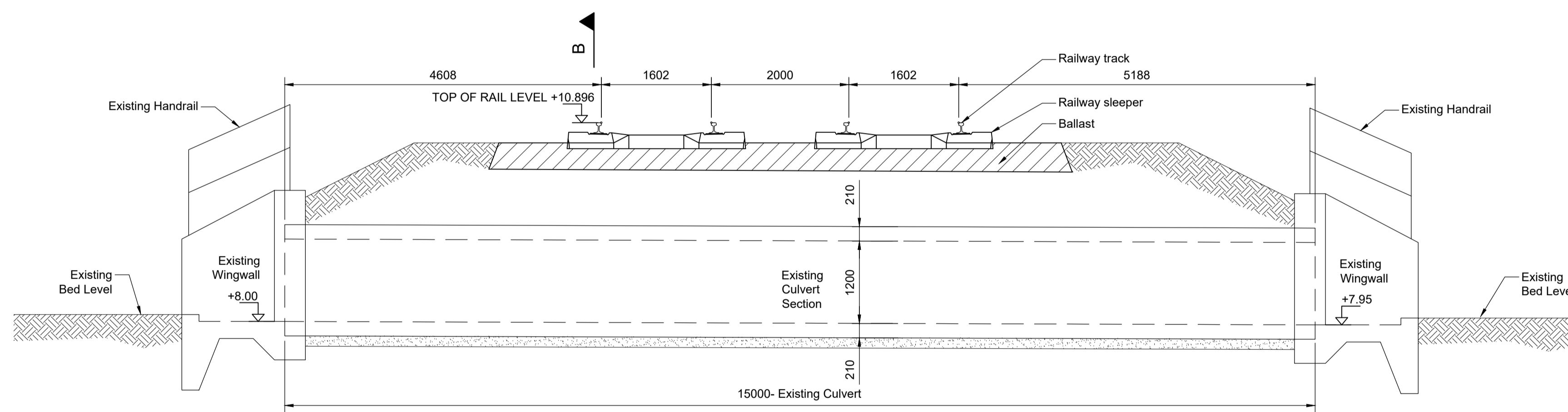
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Drawing Title EXISTING CULVERT UBY5B CH3965 PLAN, SECTION & ELEVATION	
Drawing File Name C745-WP3 03-XX-XX-XXX-DR-MMD-SE-0300	Sheet 21 of 26
Coordination N.SAMACHETTY	Approved J.MCINERNEY
Scale @A1: AS SHOWN	Acceptance S
Scale @A3: AS SHOWN	Purpose P1
	Rev P01



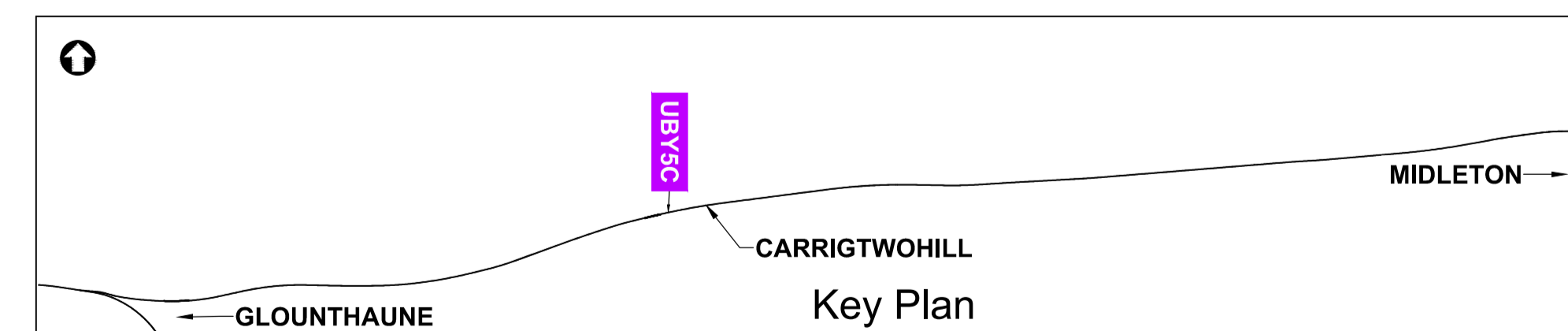
Plan
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1:400 @ A3



UB5C Culvert Cross Section B-B
1:50 @ A1
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UB5C Culvert Long Section A-A
1:50 @ A1
1:100 @ A3



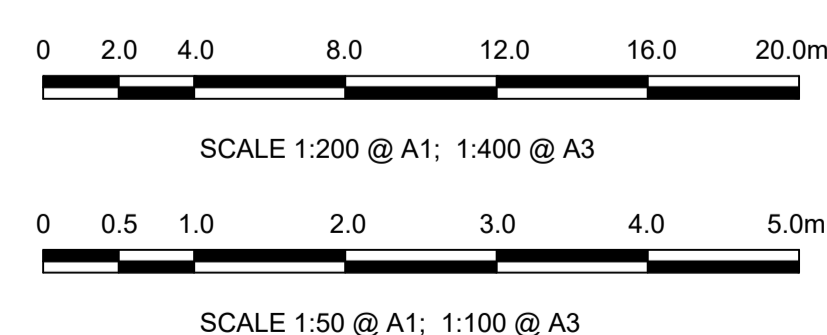
Key Plan

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	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
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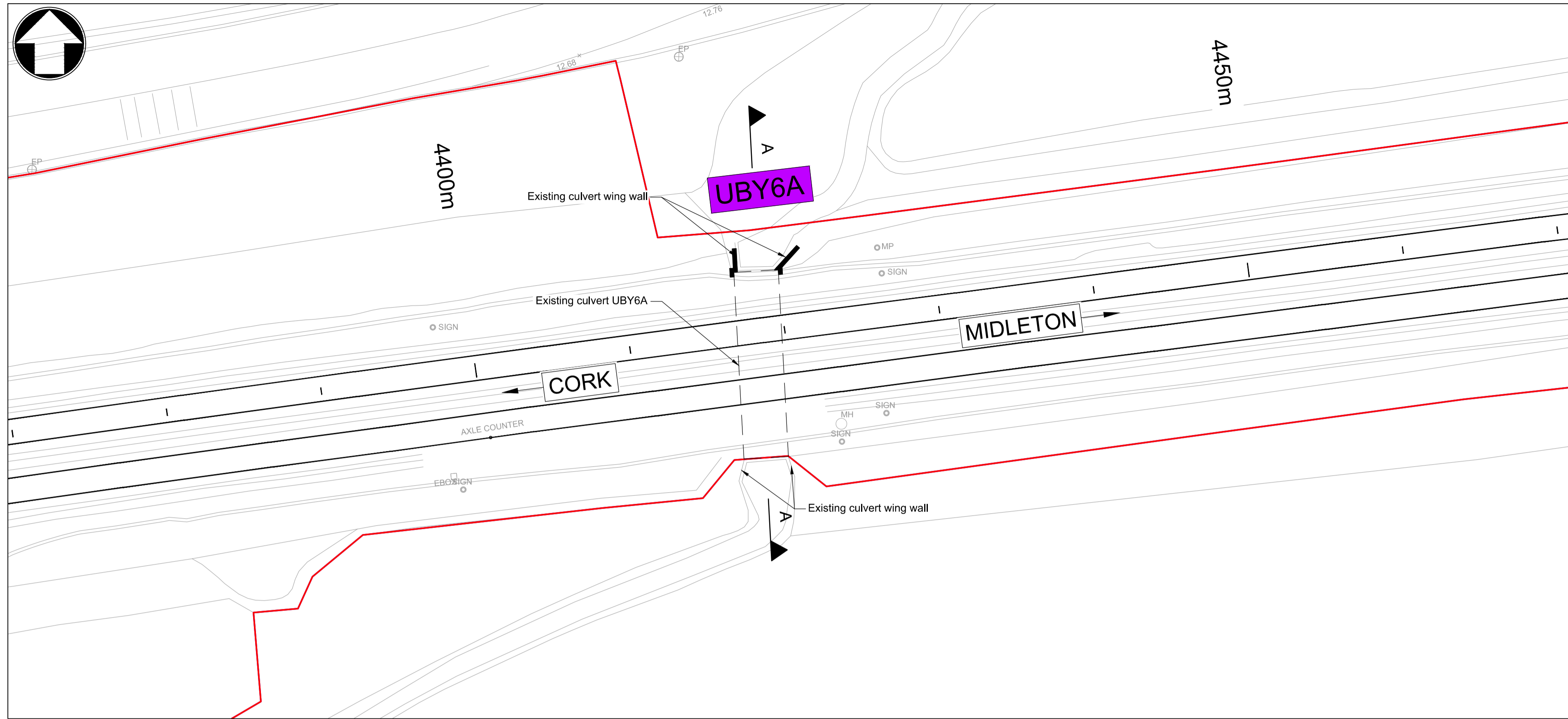
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Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD
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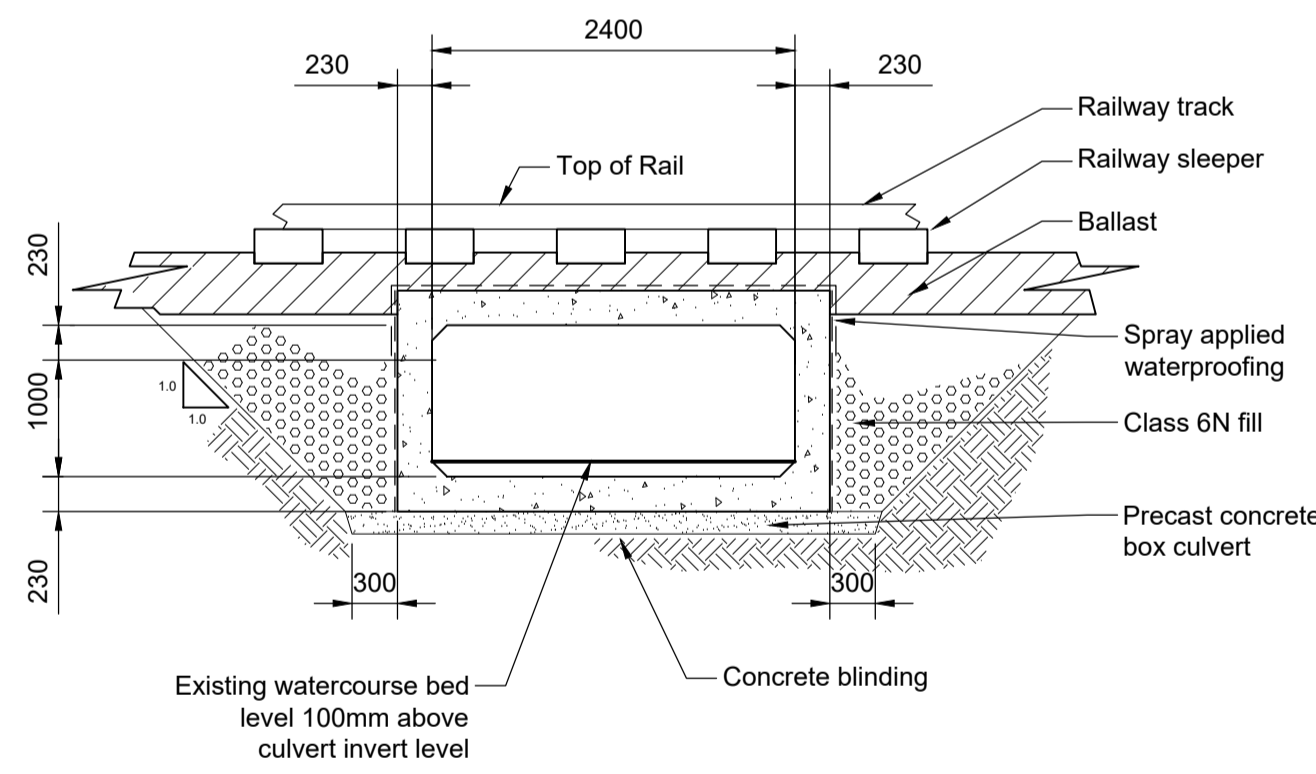
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GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title **EXISTING CULVERT UB5C**
CH4024
PLAN, SECTION & ELEVATION

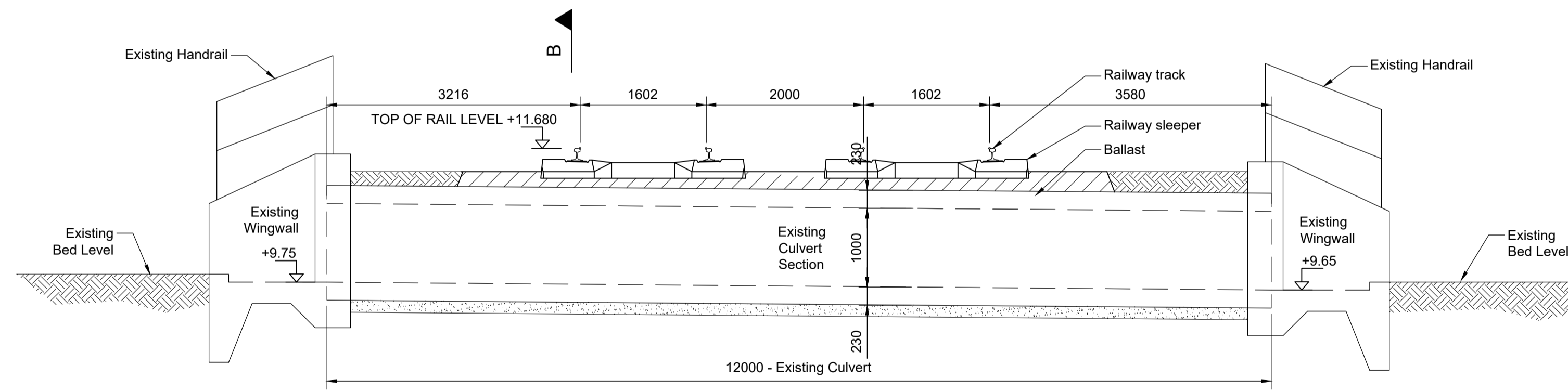
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Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
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Scale @A3:	AS SHOWN	Purpose	P1
		Rev	P01



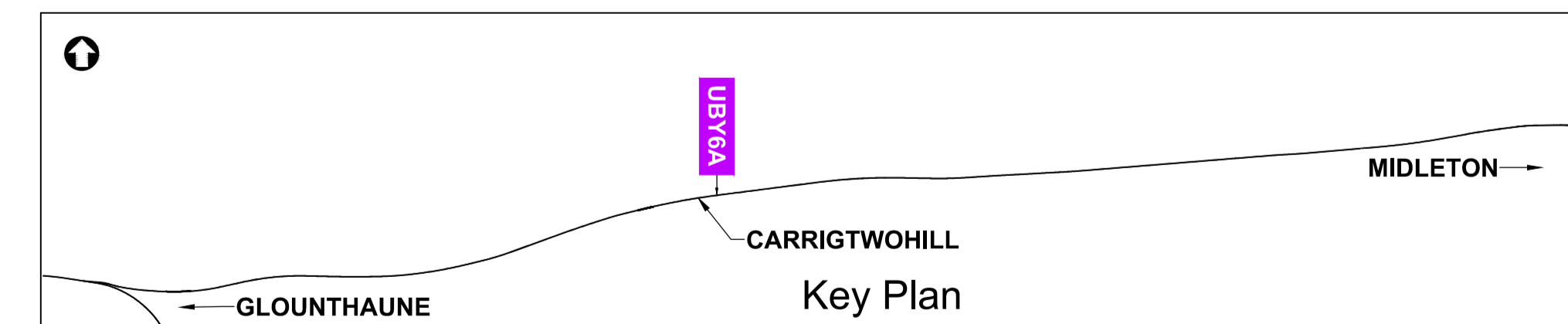
Plan
1:200 @ A1
1:400 @ A3



UB6A Culvert Cross Section B-B
1:50 @ A1
1:100 @ A3



UB6A Culvert Long Section A-A
1:50 @ A1
1:100 @ A3



Key Plan

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LEGEND

	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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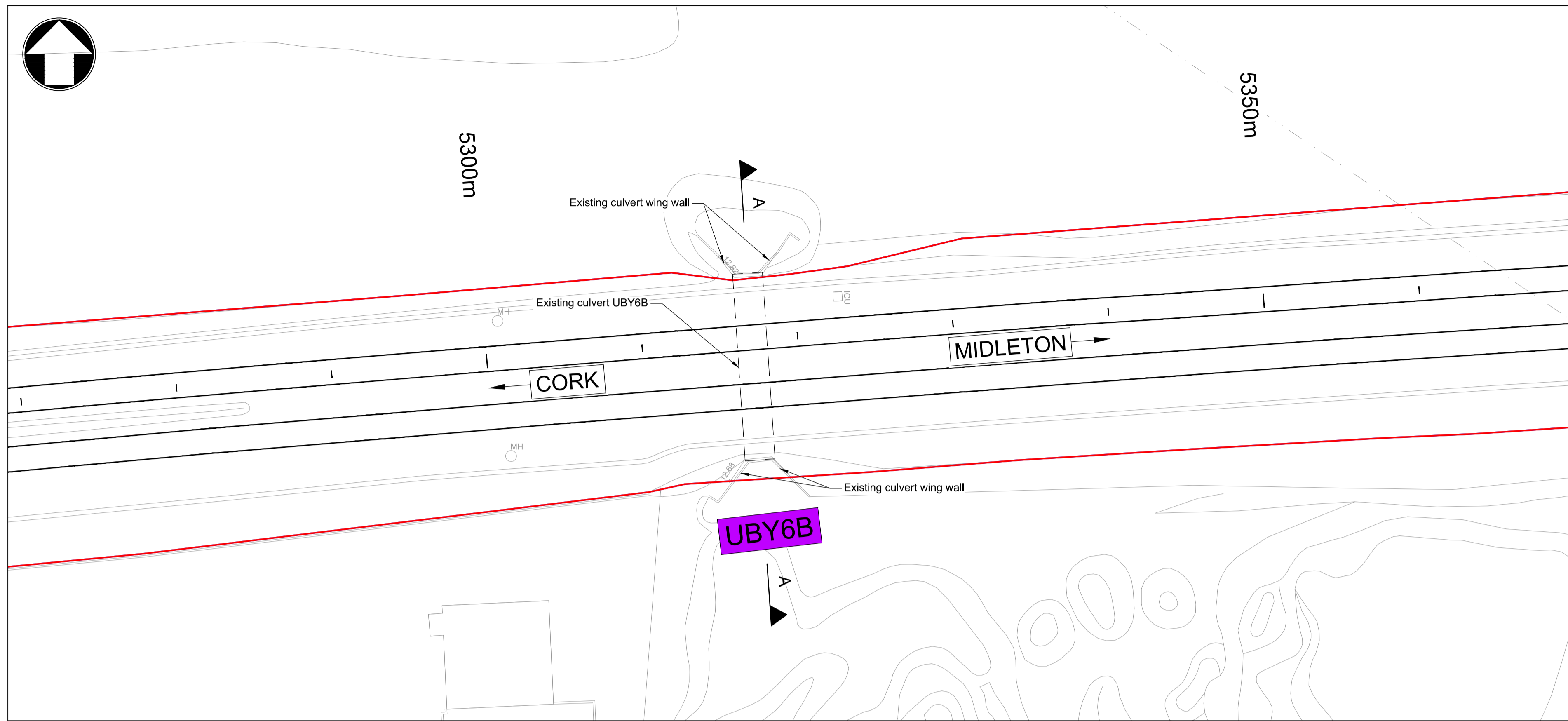
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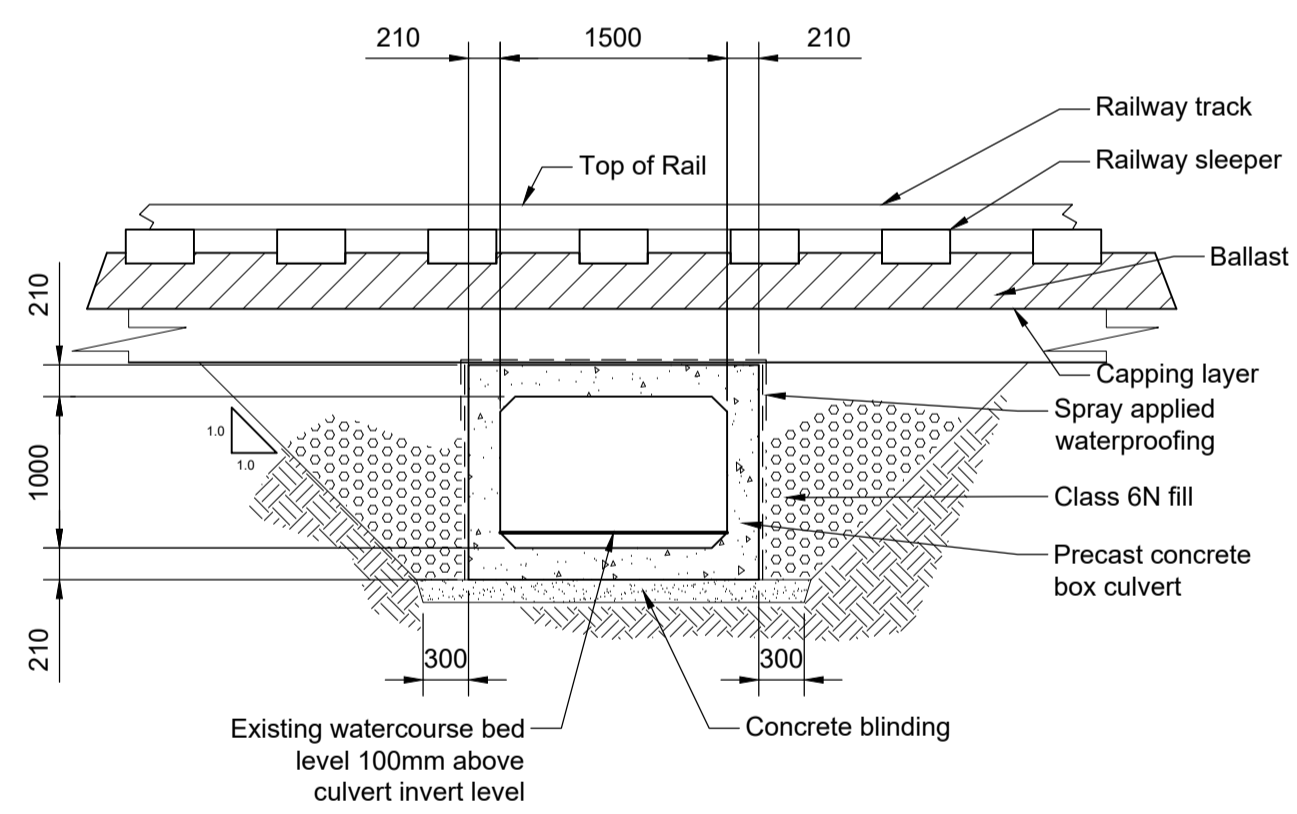
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Rev	Date	Drawn	Eng Check	Appr	Description
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		R. SEXTON	R. SEXTON	N. SAMACHETTY	

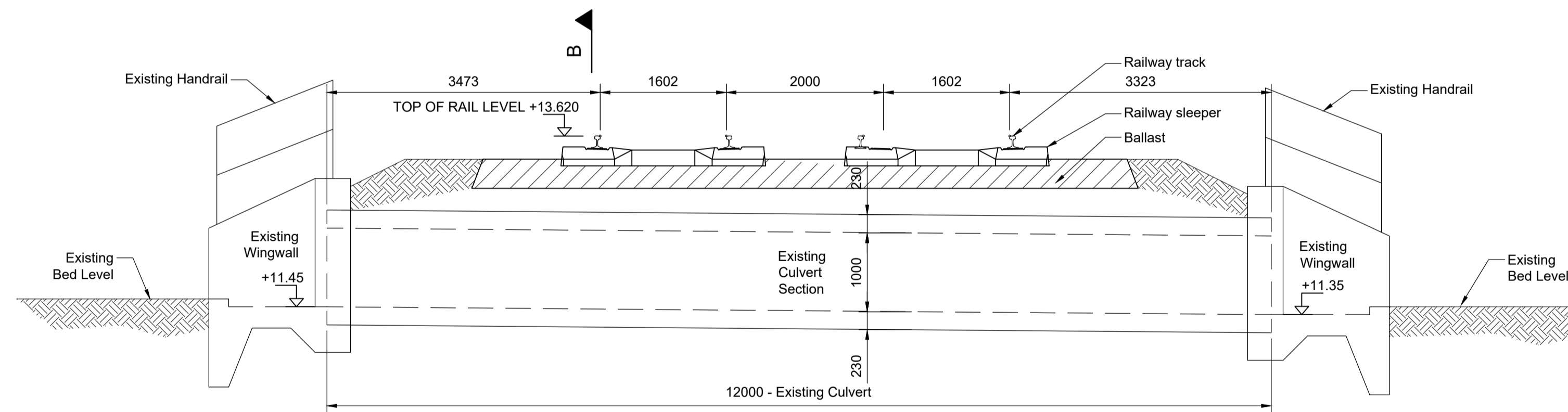
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Drawing Title EXISTING CULVERT UB6A CH4418 PLAN, SECTION & ELEVATION	
Drawing File Name C745-WP3 03-XX-XX-XXX-DR-MMD-SE-0320	Sheet 23 of 26
Coordination N.SAMACHETTY	Approved J.MCINERNEY
Scale @A1: AS SHOWN Scale @A3: AS SHOWN	Acceptance S
Purpose P1	Rev P01



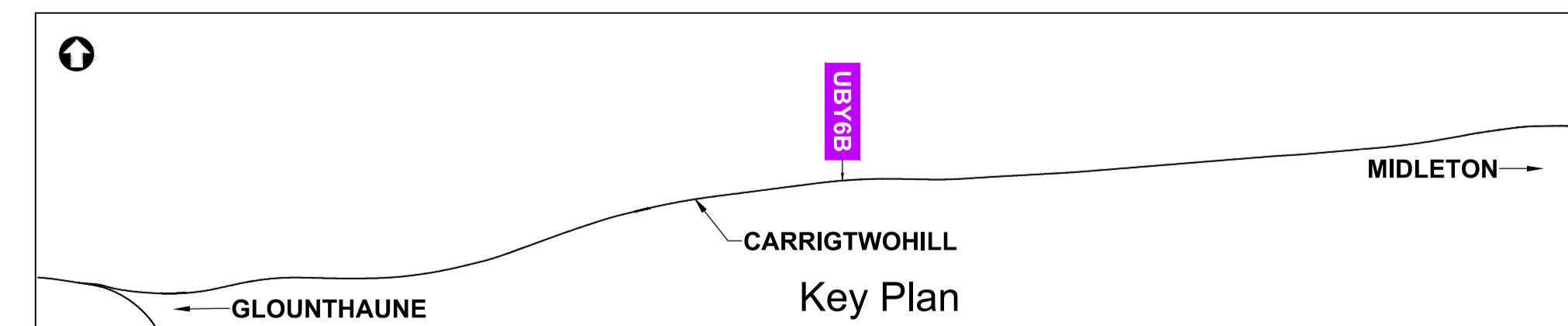
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1:400 @ A3



UB6B Culvert Cross Section B-B
1:50 @ A1
1:100 @ A3



UB6B Culvert Long Section A-A
1:50 @ A1
1:100 @ A3



Key Plan

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LEGEND

	PROPOSED GABION WALL
	PROPOSED SHEET PILE WALL
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
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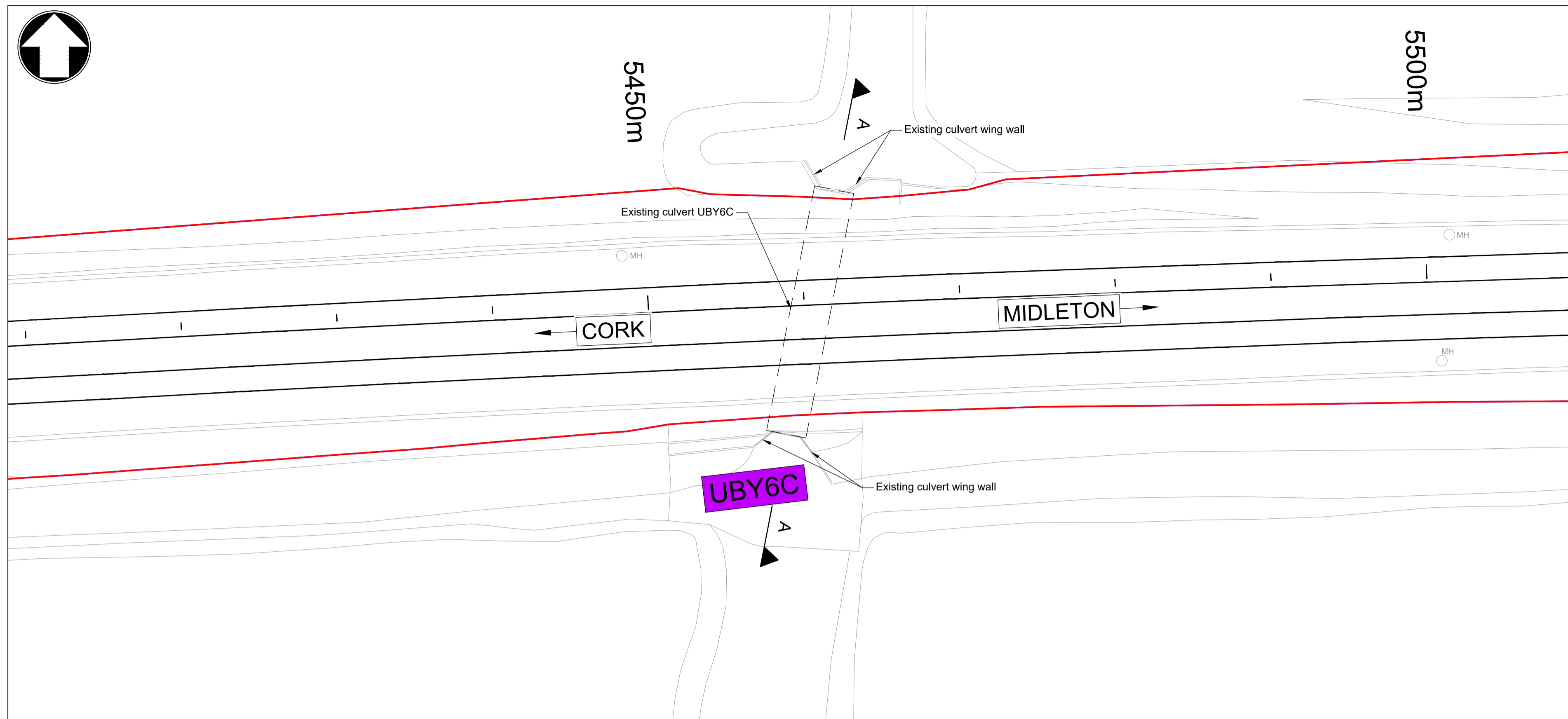


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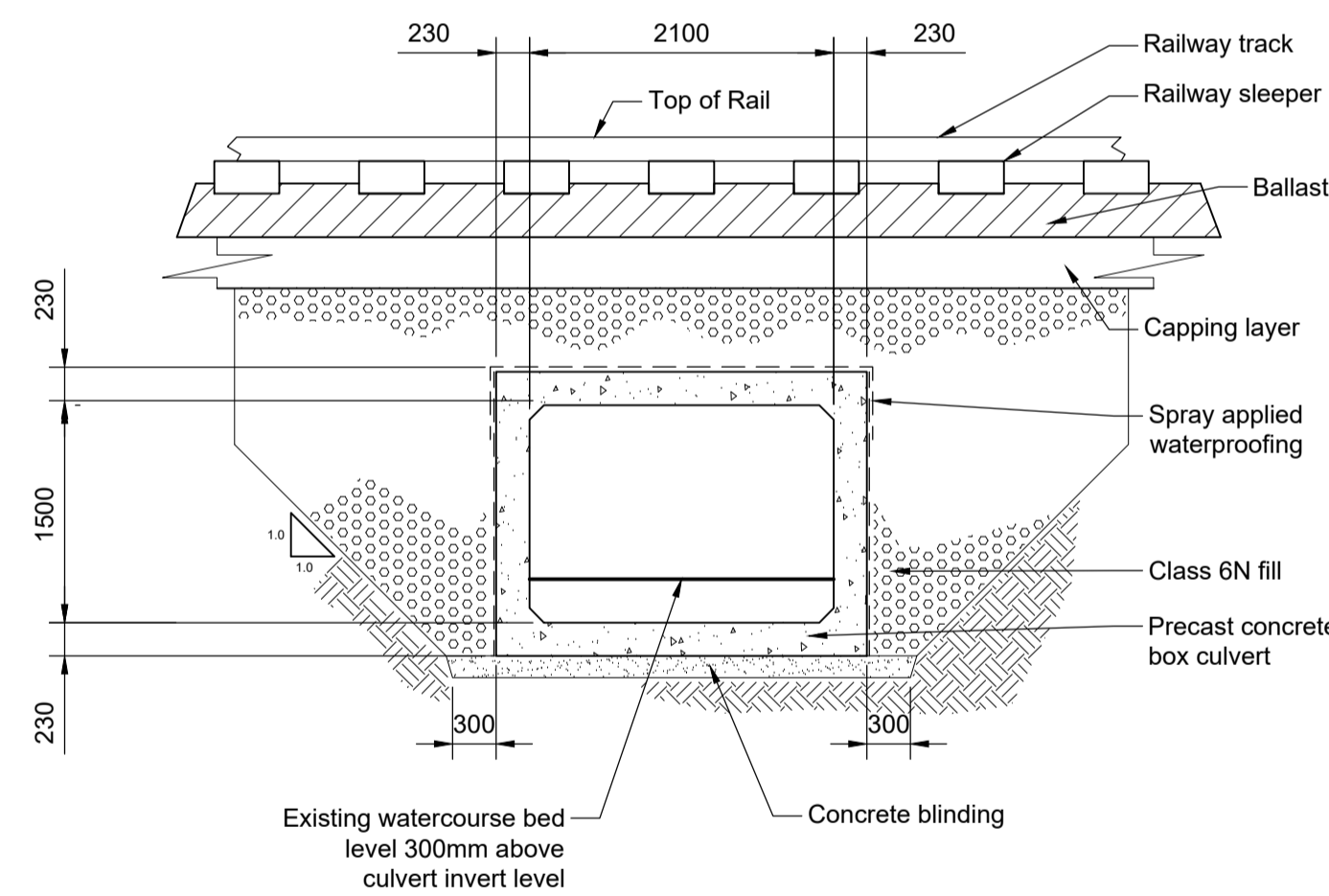
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P01	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN
Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD
Dwg check	R. SEXTON	Eng check	N. SAMACHETTY	Acceptance	S

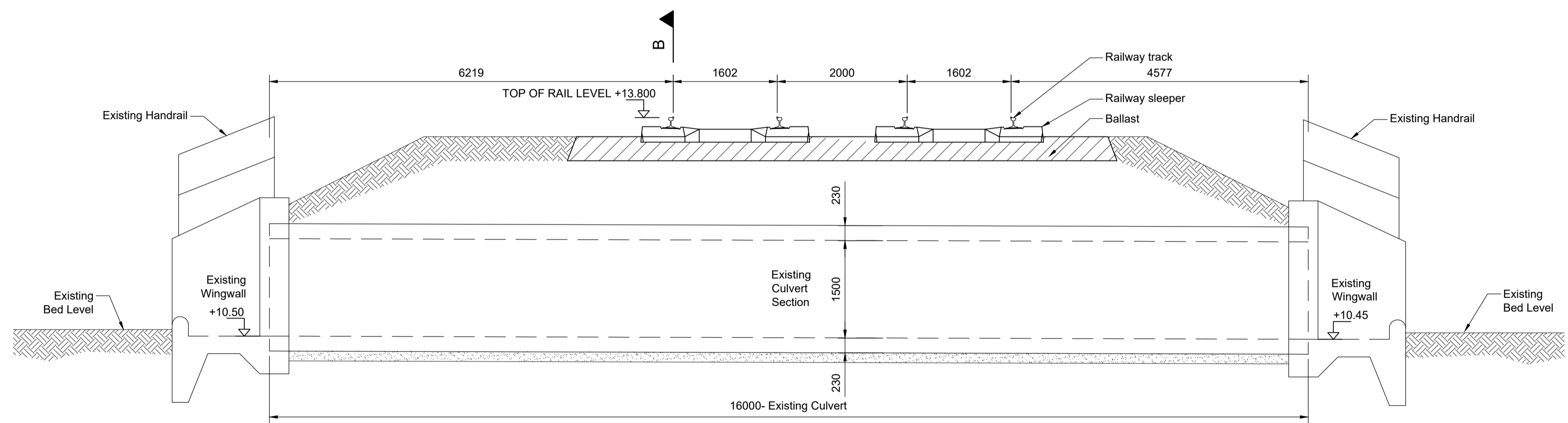
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Drawing Title EXISTING CULVERT UB6B CH5317 PLAN, SECTION & ELEVATION	
Drawing File Name C745-WP3_03-XX-XX-XXX-DR-MMD-SE-0330	Sheet 24 of 26
Coordination N.SAMACHETTY	Approved J.MCINERNEY
Scale @A1: AS SHOWN	Scale @A3: AS SHOWN
Purpose P1	Rev P01



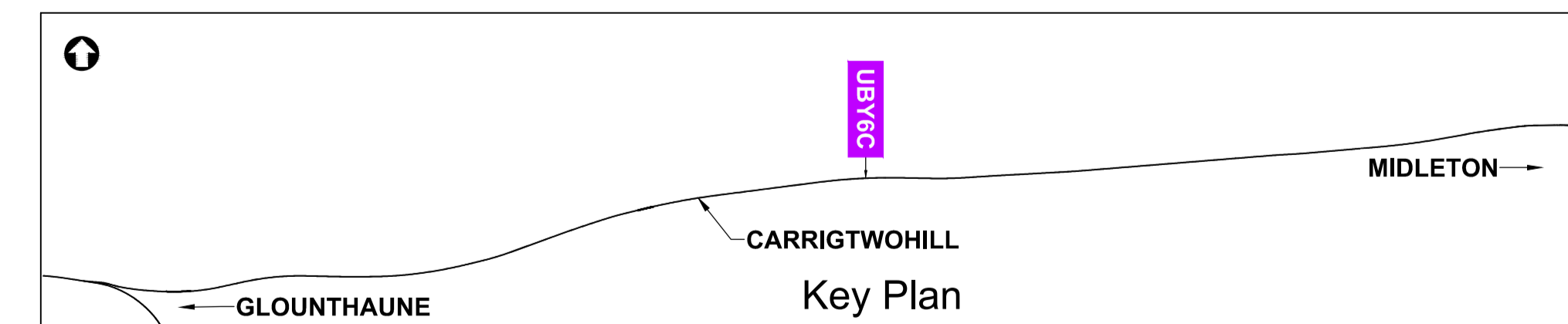
Plan
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1:400 @ A3



UB6C Culvert Cross Section B-B
1:50 @ A1
1:100 @ A3



UB6C Culvert Long Section A-A
1:50 @ A1
1:100 @ A3



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	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
	NEW TRACK
	EXISTING SLUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
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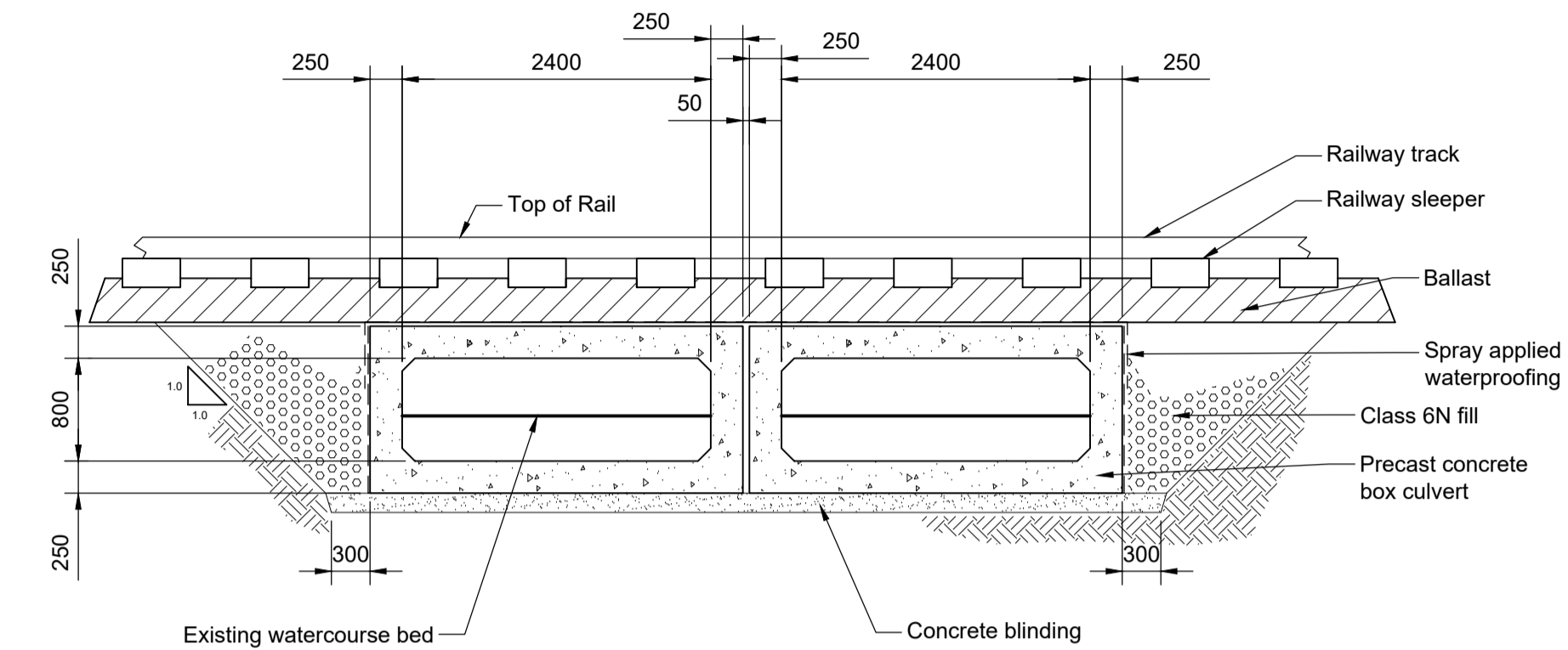
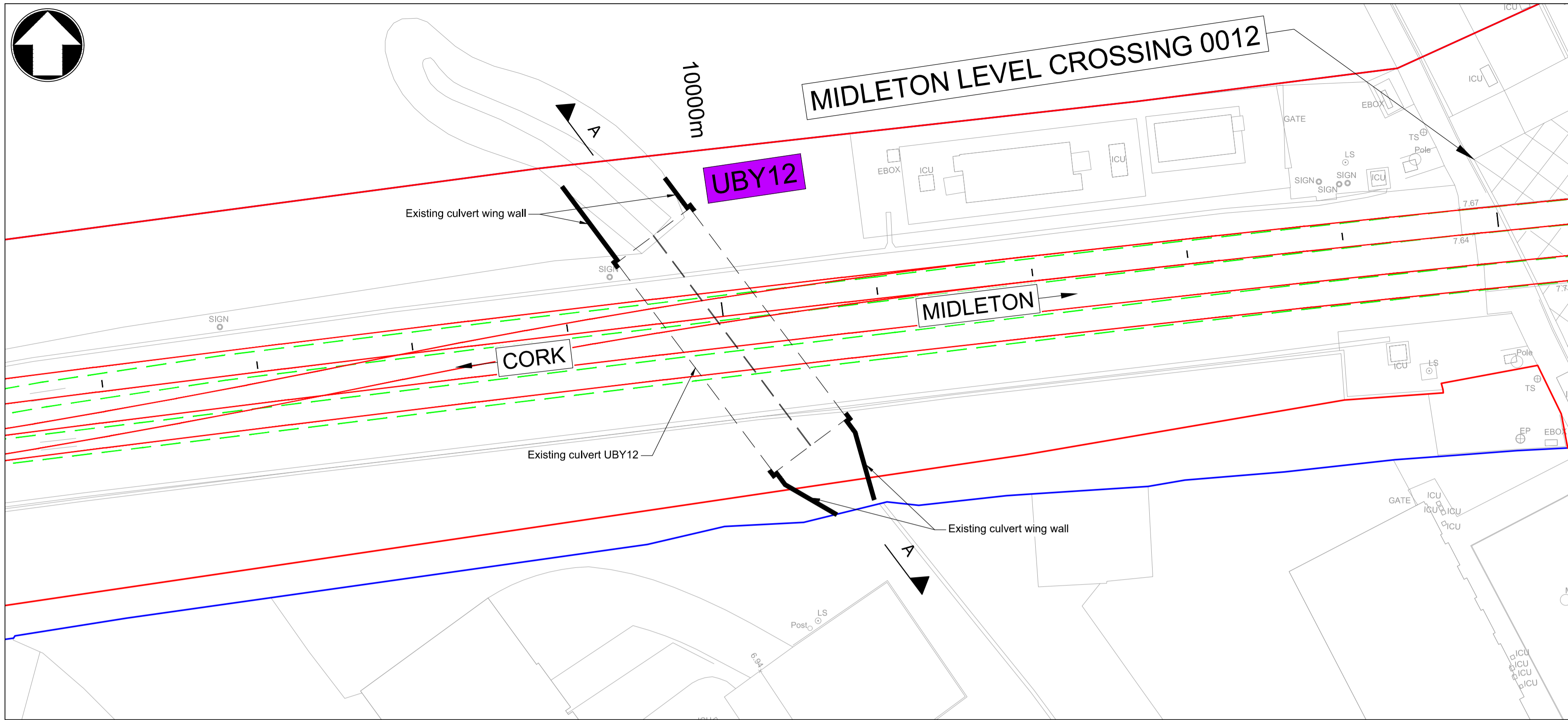


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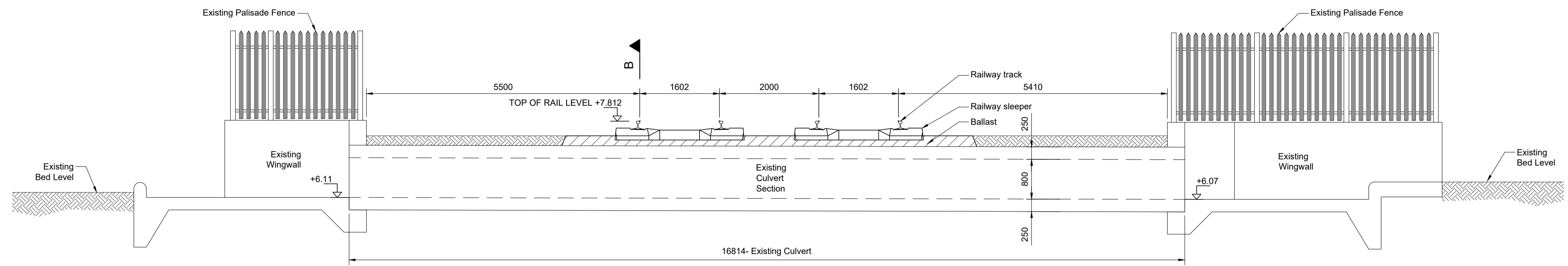
Rev	Date	Drawn	Eng Check	Appr	Description
P01	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN
Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD
		Dwg check	R. SEXTON	Eng check	N. SAMACHETTY

Project Title		CORK AREA COMMUTER RAIL	
Drawing Title		GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing File Name		C745-WP3 03-XX-XX-XXX-DR-MMD-SE-0340	
Coordination	Approved	Scale @A1: AS SHOWN	Acceptance
N.SAMACHETTY	J.MCINERNEY	Scale @A3: AS SHOWN	S
Sheet	25	Purpose	P1
of	26	Rev	P01

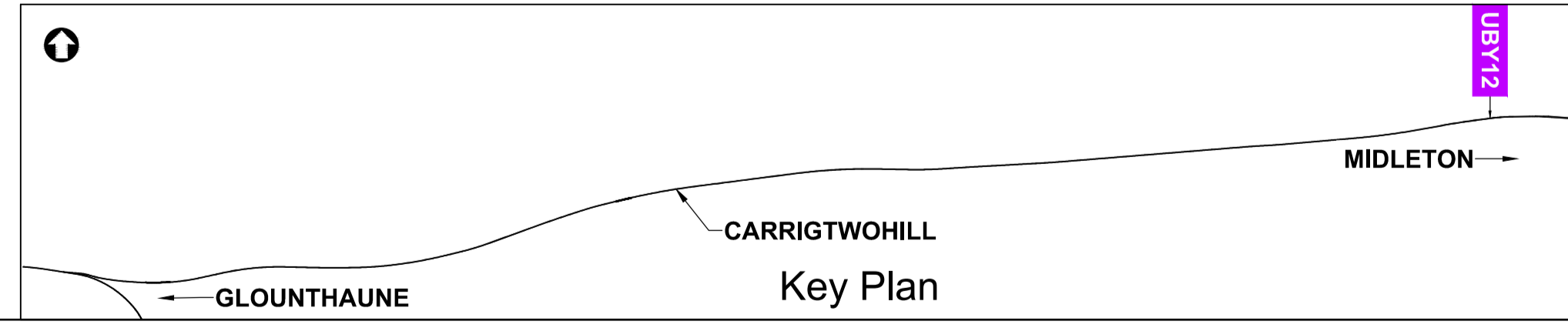


UBY12 Culvert Cross Section B-B
 1:50 @ A1
 1:100 @ A3

Plan
 1:200 @ A1
 1:400 @ A3



UBY12 Culvert Long Section A-A
 1:50 @ A1
 1:100 @ A3

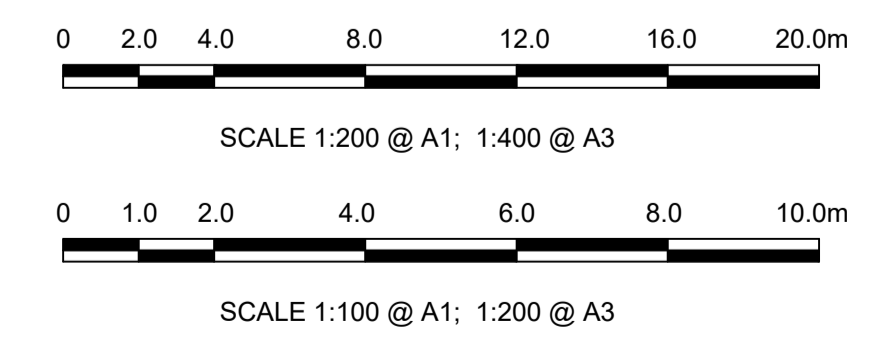


Key Plan

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Project Title CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK		Sheet 26 of 26
Drawing Title EXISTING CULVERT UBY12 CH10000 PLAN, SECTION & ELEVATION		
Drawing File Name C745-WP3 03-XX-XX-XXX-DR-MMD-SE-0350	Approval N.SAMACHETTY	Purpose P1
Coordination N.SAMACHETTY	Approved J.MCINERNEY	Rev P01
Date 22/09/22	Designed R. SEXTON	Eng check N.SAMACHETTY
Drawn R. SEWARD	Dwg check R. SEXTON	Acceptance S