

STRUCTURES PLANS

DRAWING NUMBER

- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-1000
- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-0100
- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-0110
- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-0120
- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-0130
- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-0140
- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-0150
- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-0160
- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-0170
- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-0180
- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-0190
- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-0200
- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-0210
- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-0220
- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-0230
- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-0240
- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-0250
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- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-0330
- C745-WP4_04-XX-XX-XXX-DR-MMD-SE-0340
- C745-WP4_04-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 UBY2A. CH1997 TO CH2200, PLAN, SECTION & DETAILS
- STRUCTURES TYPICAL DETAILS, SHEET PILE AND GABION WALL
- EXISTING CULVERT UBY1B. CH1346, PLAN, SECTION & ELEVATION
- EXISTING CULVERT UBY1C. CH1700, PLAN, SECTION & ELEVATION
- EXISTING CULVERT UBY5. CH3600, PLAN, SECTIONS AND ELEVATIONS
- EXISTING CULVERT UBY5A. CH3750, PLAN, SECTIONS AND ELEVATIONS
- EXISTING CULVERT UBY5B. CH3965, PLAN, SECTIONS AND ELEVATIONS
- EXISTING CULVERT UBY5C. CH4024, PLAN, SECTIONS AND ELEVATIONS
- EXISTING CULVERT UBY6A. CH4418, PLAN, SECTIONS AND ELEVATIONS
- EXISTING CULVERT UBY6B. CH5317, PLAN, SECTIONS AND ELEVATIONS
- EXISTING CULVERT UBY6C. CH5460, PLAN, SECTIONS AND ELEVATIONS
- EXISTING CULVERT UBY12. CH10000, PLAN, SECTIONS AND ELEVATIONS



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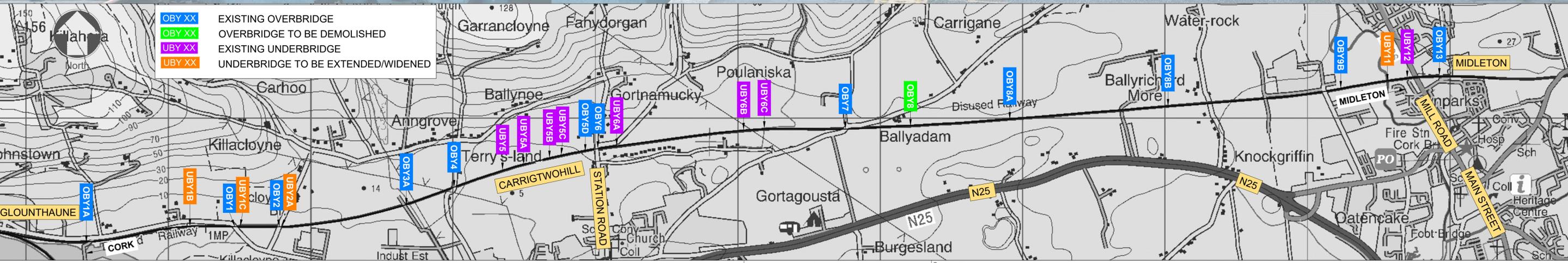
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Project Ireland
2040

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National Transport Authority

Maoinithe ag an
Aontas Eorpach
Funded by the
European Union
NextGenerationEU

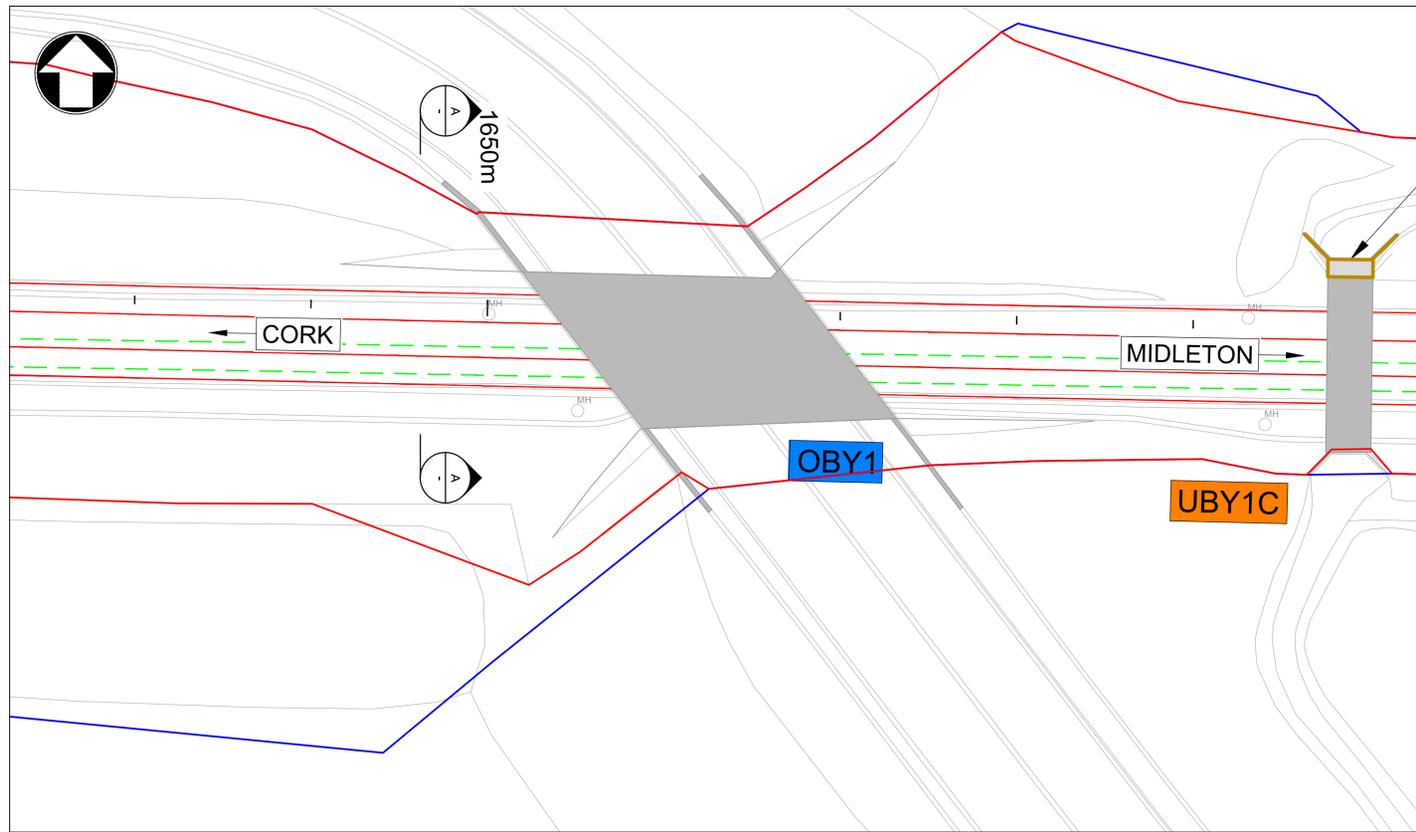
Iarnród Éireann
Irish Rail

CIE

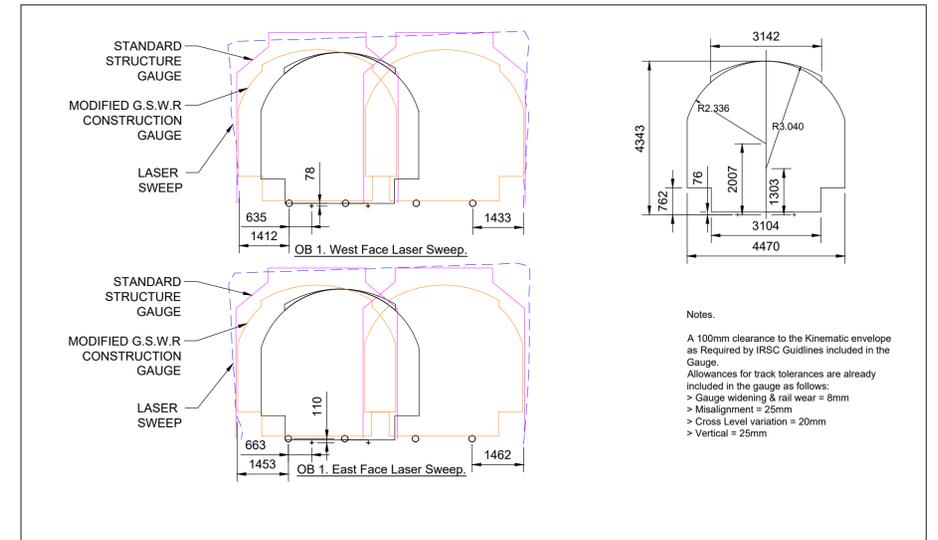


GLOUNTHAUNE - MIDLETON TWIN TRACK PROJECT

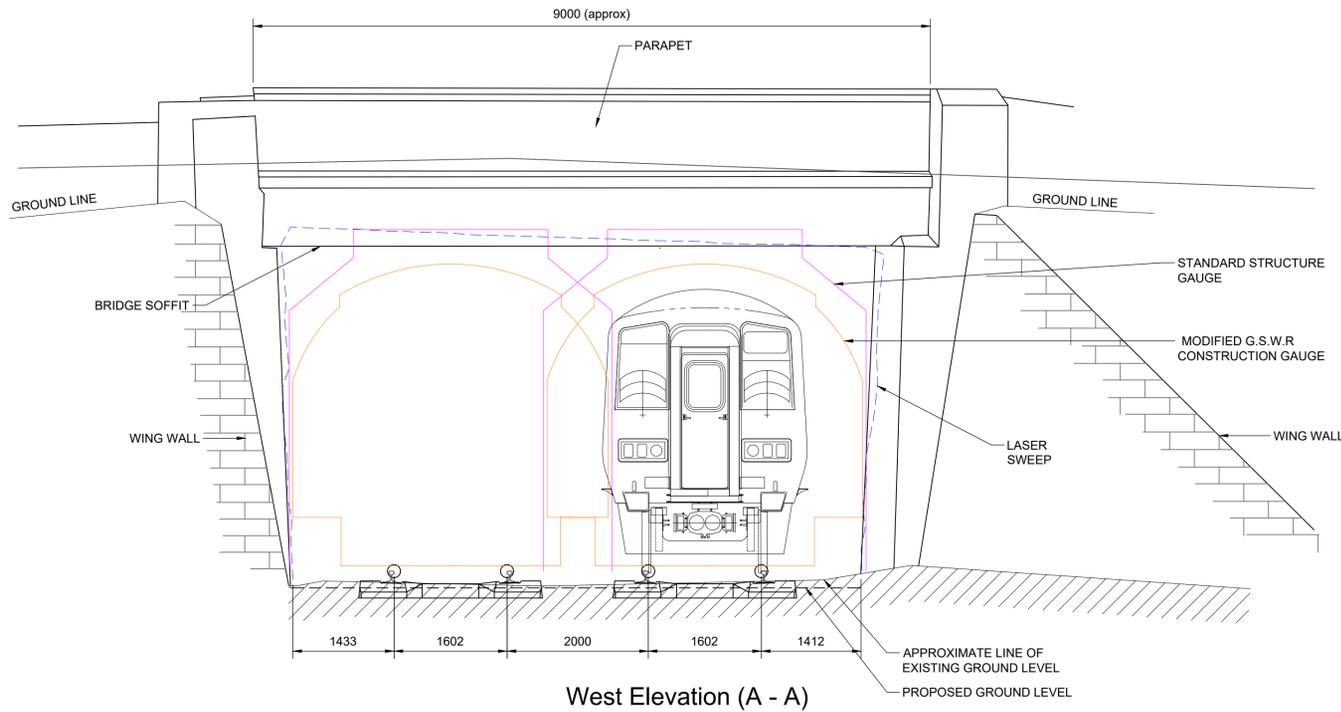
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Drawing Title: STRUCTURES PLANS TITLE SHEET AND KEY PLAN		Drawing File Name: C745-WP3_04-XX-XX-XXX-DR-MMD-SE-1000 Sheet 1 of 1	
Drawing Date: 23/09/22 Designed: I.Mangourov Drawn: R.SEWARD Dwg check: R.SEXTON Eng check: N.SAMACHETTY		Scale @A1: NTS Scale @A3: NTS Acceptance: S Purpose: P3 Rev: P01	



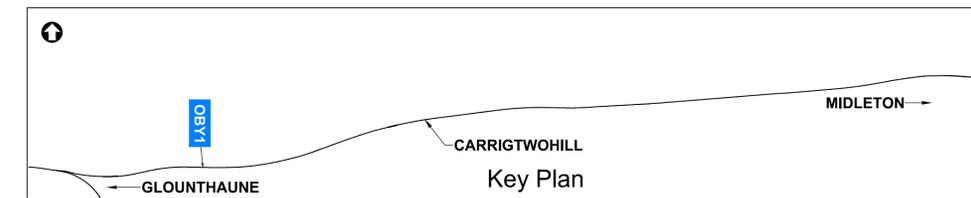
Plan
1:200 @ A1, 1:400 @ A3



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



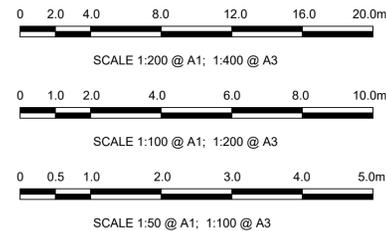
West Elevation (A - A)
1:50 @ A1, 1:100 @ A3



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

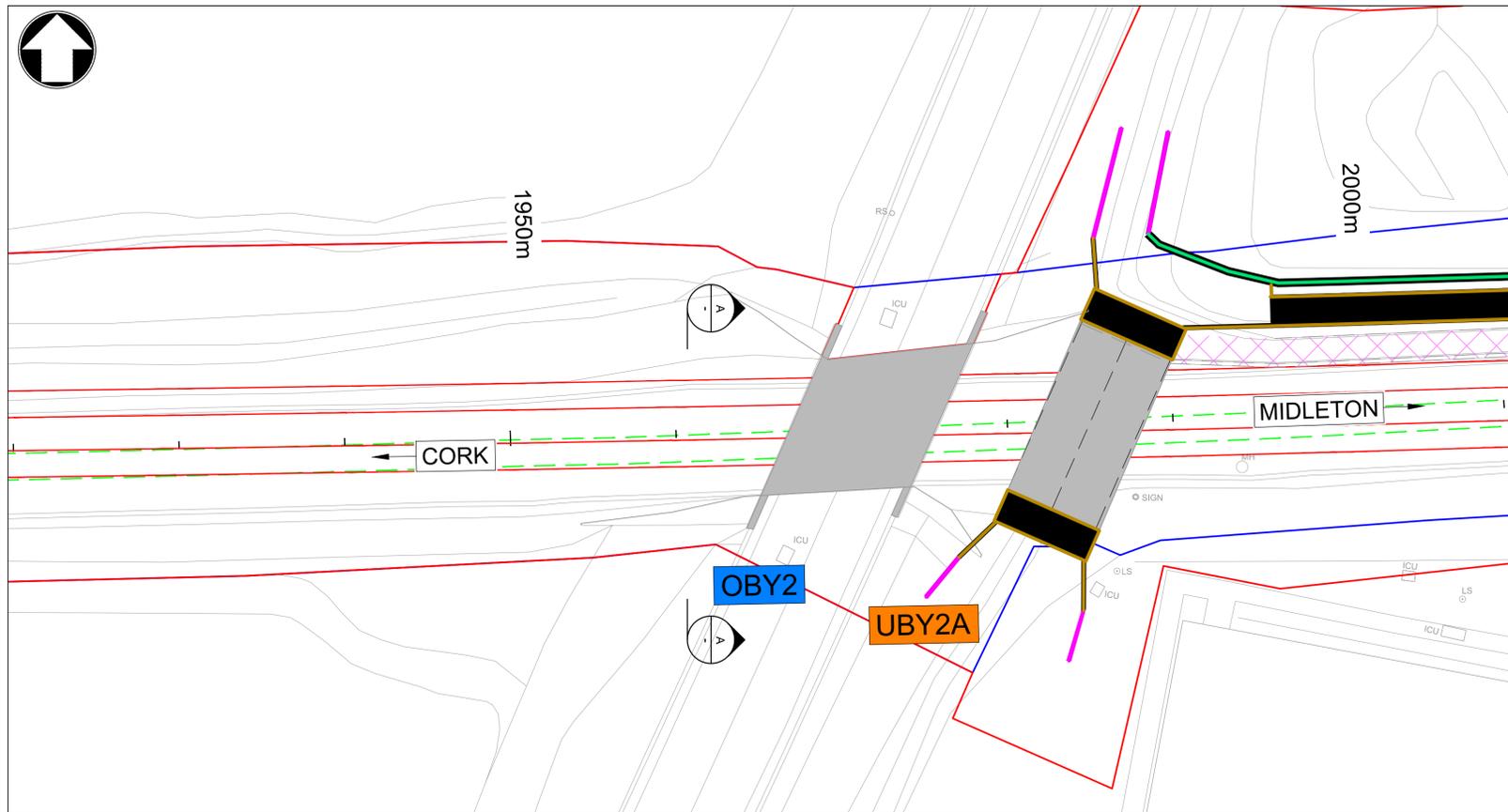
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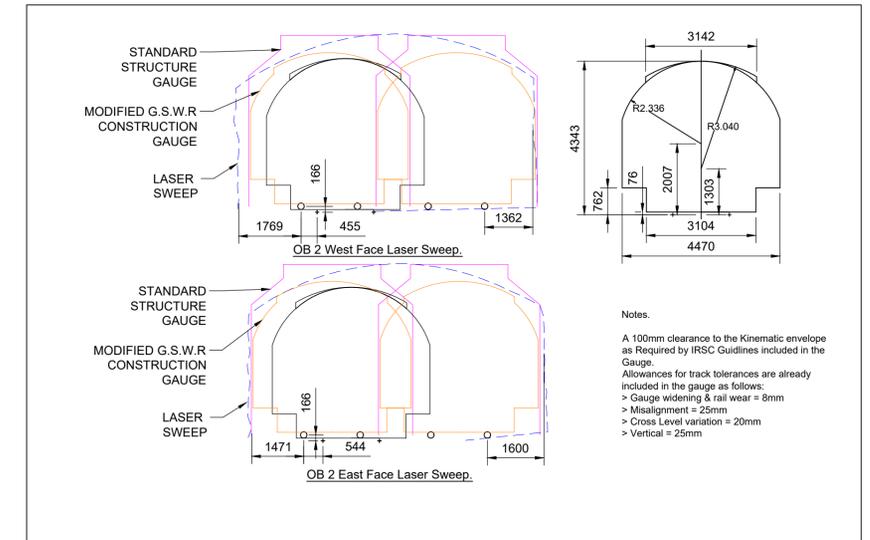
Rev	Date	Drawn	Eng Check	Appr	Description
P01	23/09/22	RS	NS	JM	PLANNING ISSUE

Date	23/09/22	Designed	R.SEXTON	Drawn	R.SEWARD	Dwg check	R.SEXTON	Eng check	N.SAMACHETTY
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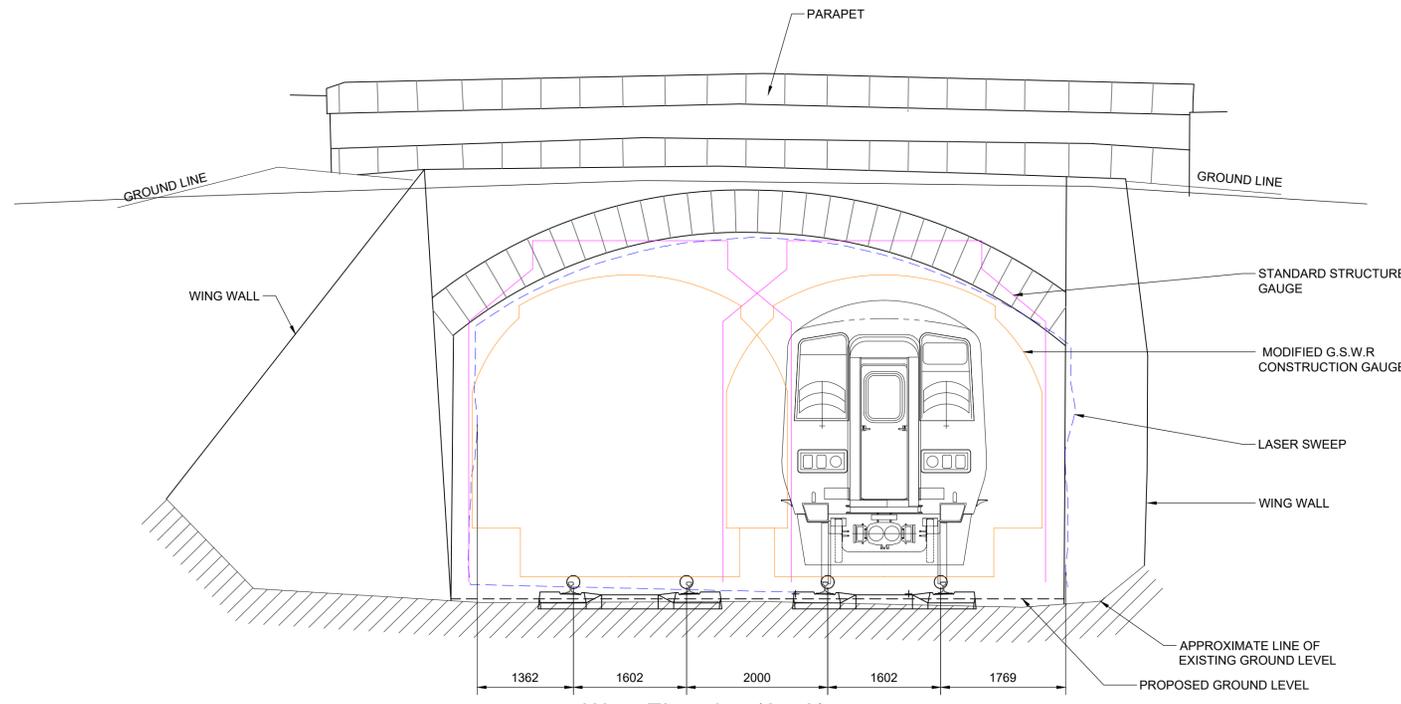
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Drawing Title	EXISTING OVERBRIDGE OBY1 CH1663 KILLACLOYNE BRIDGE PLAN, SECTION & DETAILS		
Drawing File Name	C745-WP3 04-XX-XX-XXX-DR-MMD-SE-0110	Sheet	2 of 26
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1: AS SHOWN	Scale @A3: AS SHOWN	Acceptance	S
Purpose	P3	Rev	P01



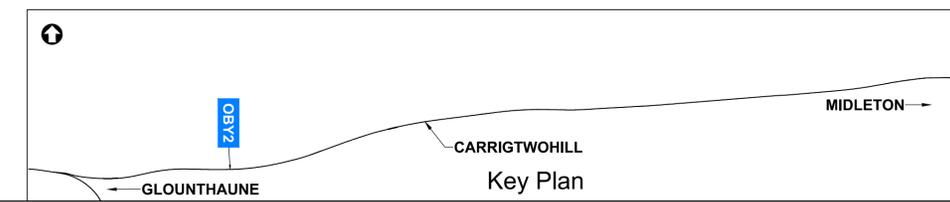
Plan
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As Built Bridge Survey
1:100 @ A1, 1:200 @ A3



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

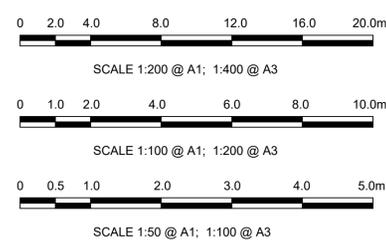


Key Plan

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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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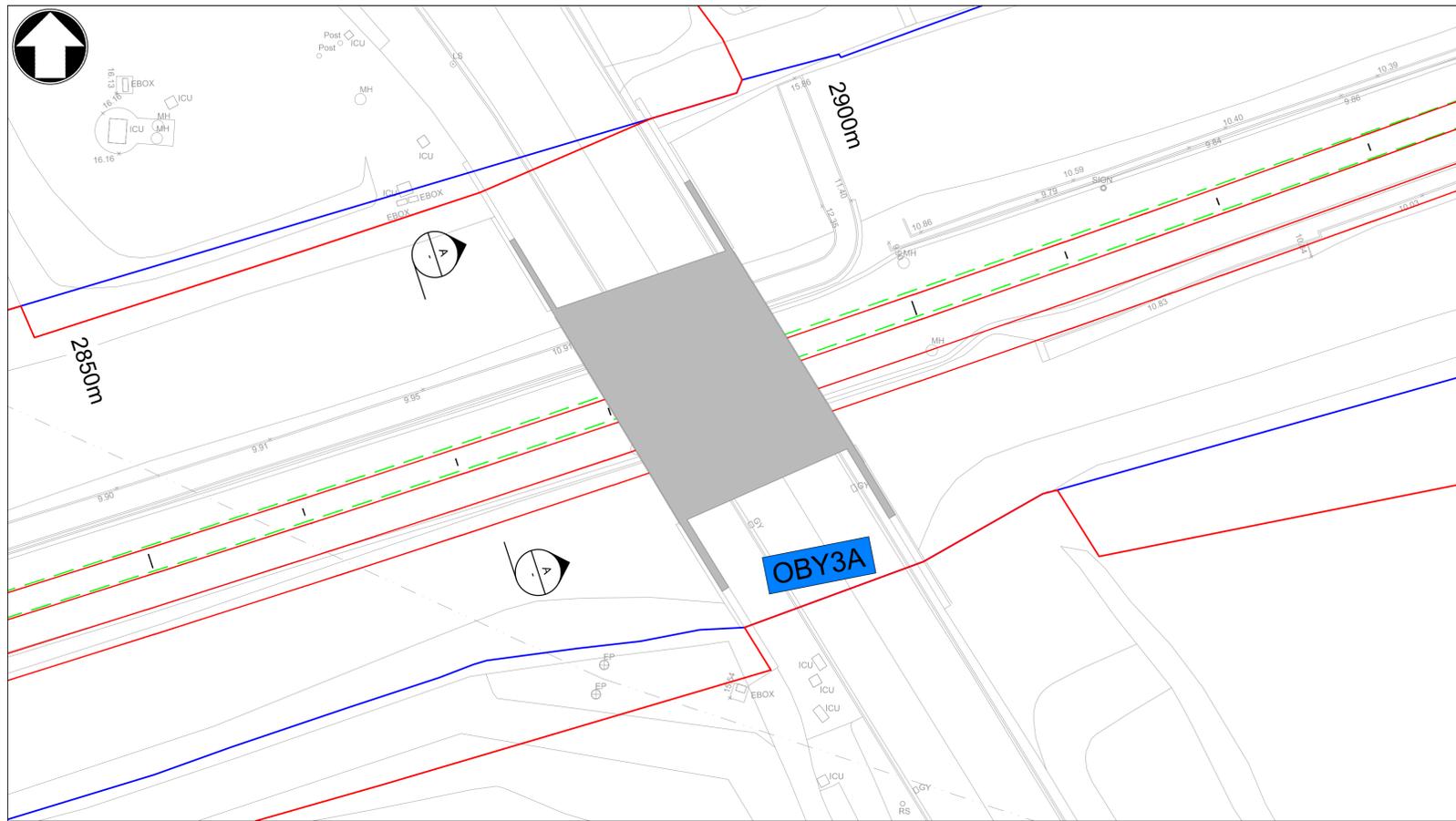
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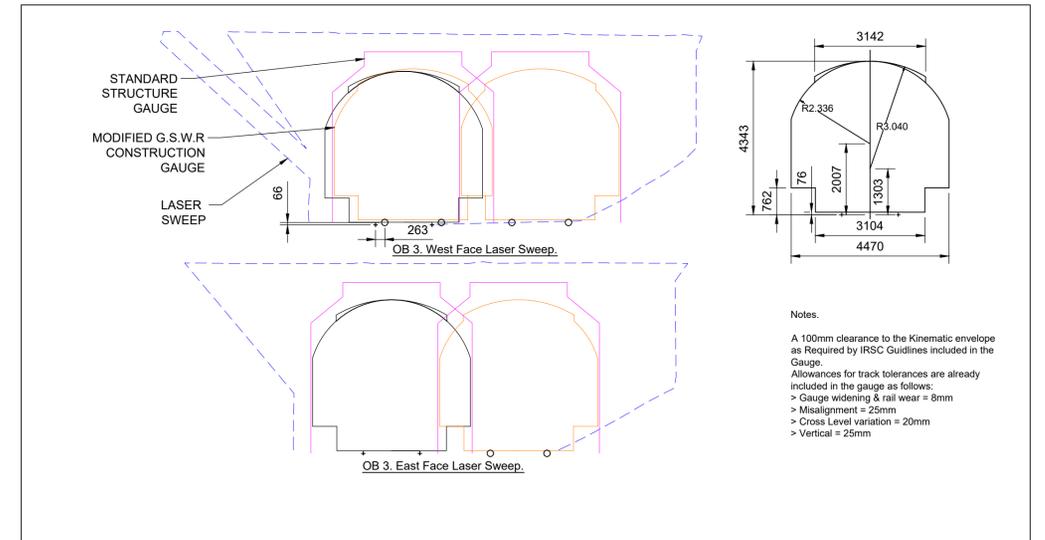
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P01	23/09/22	RS	NS	JM	PLANNING ISSUE

Date	23/09/22	Designed	R.SEXTON	Drawn	R.SEWARD	Dwg check	R.SEXTON	Eng check	N.SAMACHETTY
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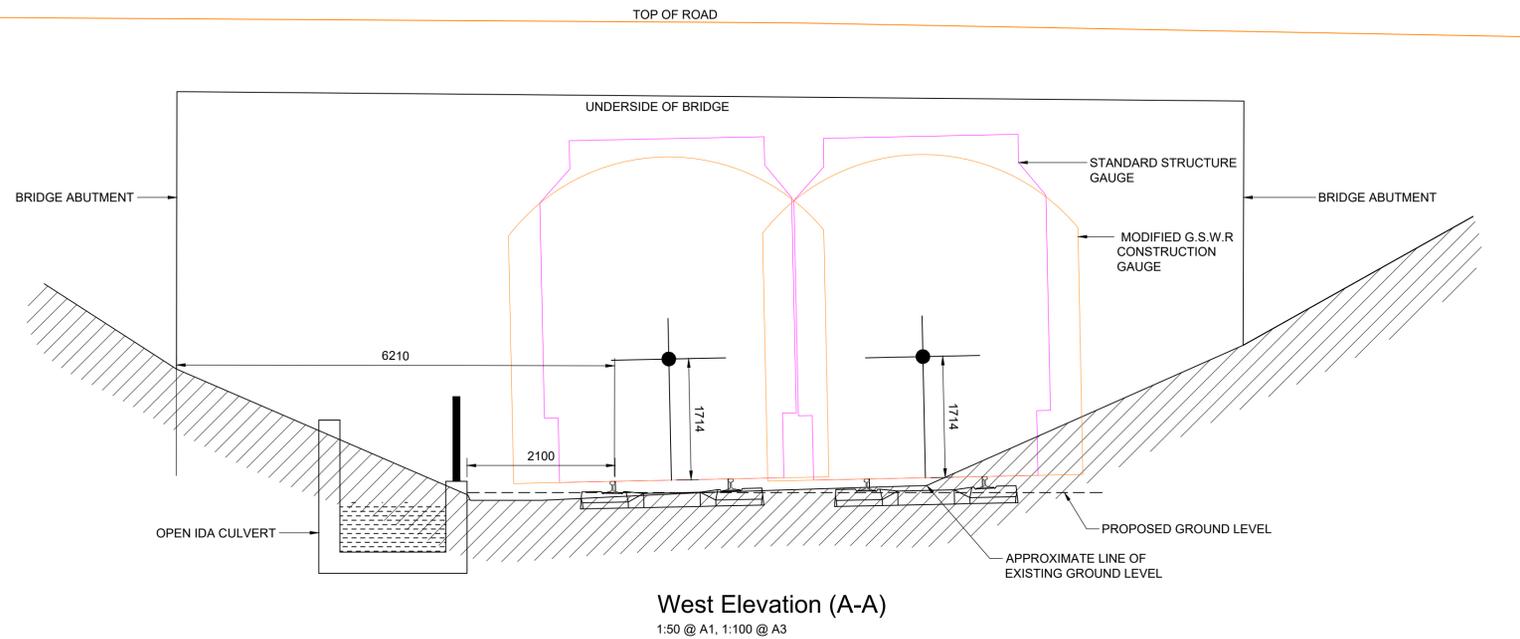
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Drawing Title	EXISTING OVERBRIDGE OBY2 CH1972 MALY'S BRIDGE KILLACLOYNE PLAN, SECTION & DETAILS		
Drawing File Name	C745-WP3 04-XX-XX-XXX-DR-MMD-SE-0120	Sheet	3 of 26
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1: AS SHOWN	Scale @A3: AS SHOWN	Acceptance	S
Purpose	P3	Rev	P01



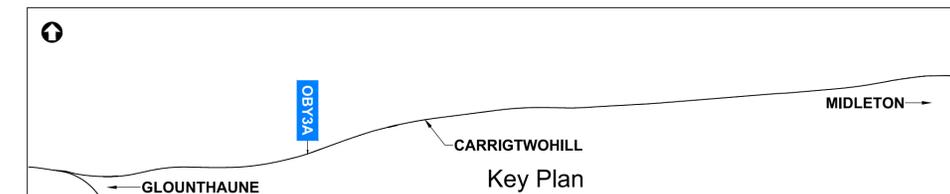
Plan
1:200 @ A1, 1:400 @ A3



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



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

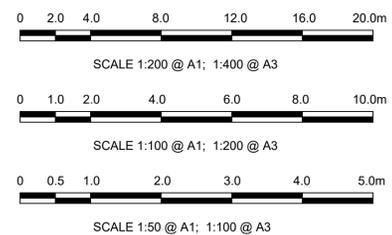


Key Plan

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	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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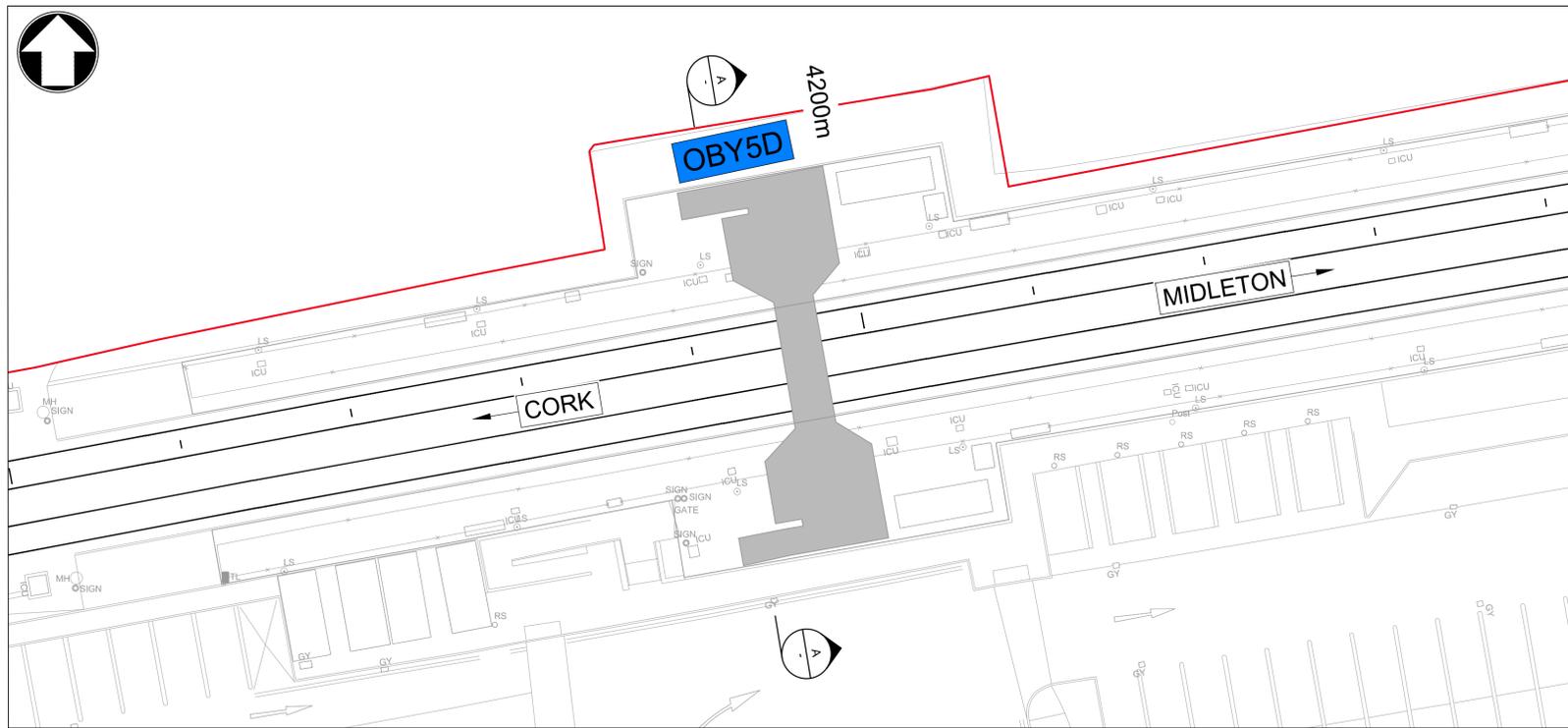


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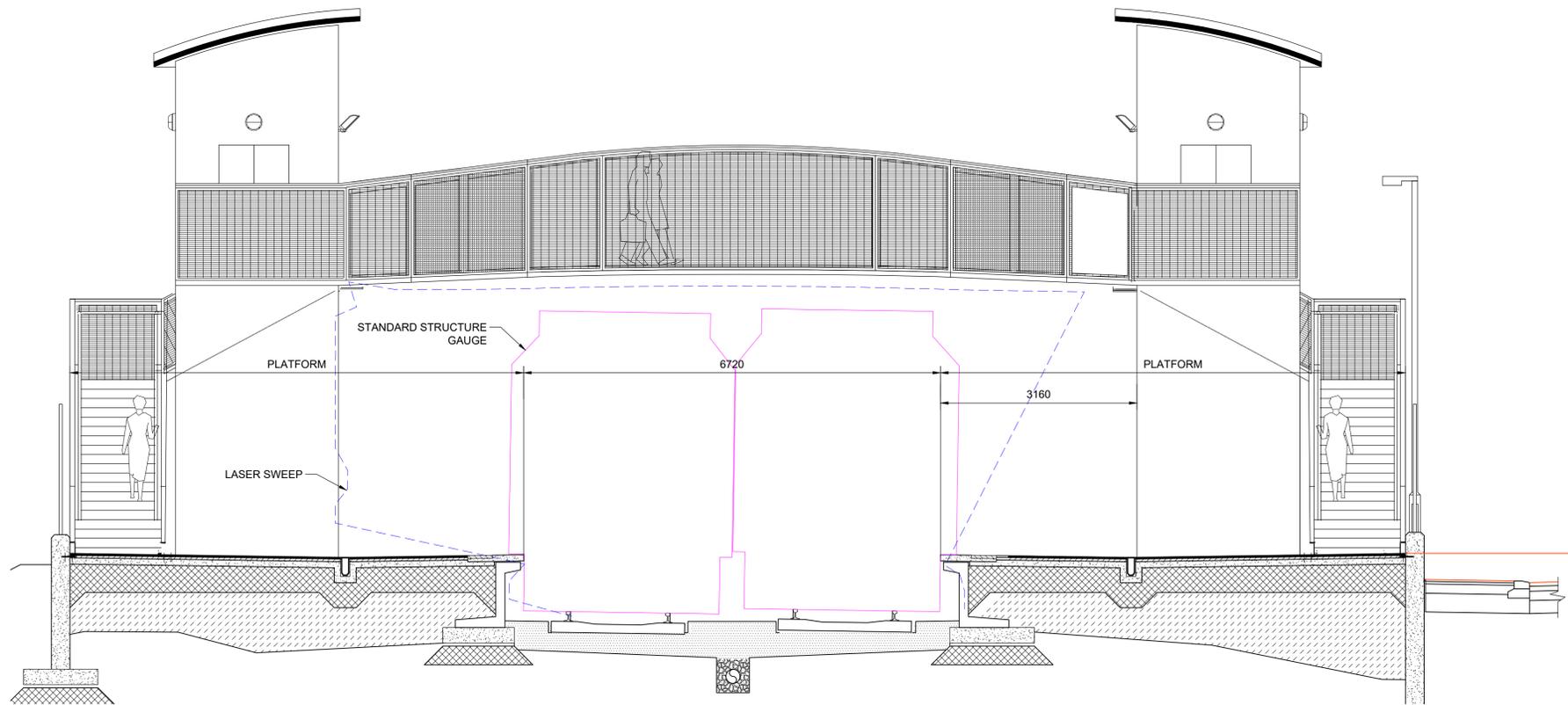
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Date	23/09/22	Designed	R.SEXTON	Drawn	R.SEWARD
		Dwg check	R.SEXTON	Eng check	N.SAMACHETTY

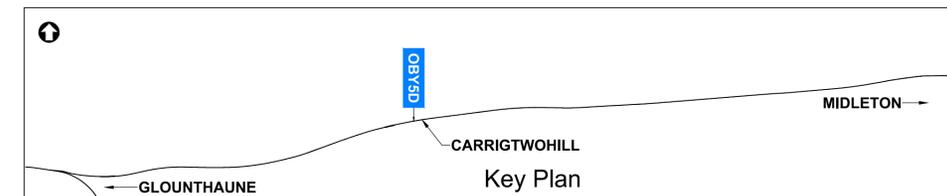
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Drawing Title EXISTING OVERBRIDGE OBY3A CH2890 IDA OVERBRIDGE PLAN, SECTION & DETAILS	
Drawing File Name C745-WP3 04-XX-XX-XXX-DR-MMD-SE-0130	Sheet 4 of 26
Coordination N.SAMACHETTY	Approved J.MCINERNEY
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Scale @A3: AS SHOWN	Purpose P3
	Rev P01



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



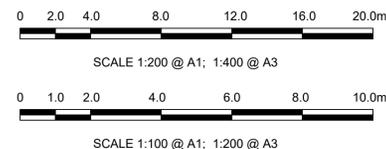
West Elevation (A-A)
1:100 @ A1, 1:200 @ A3



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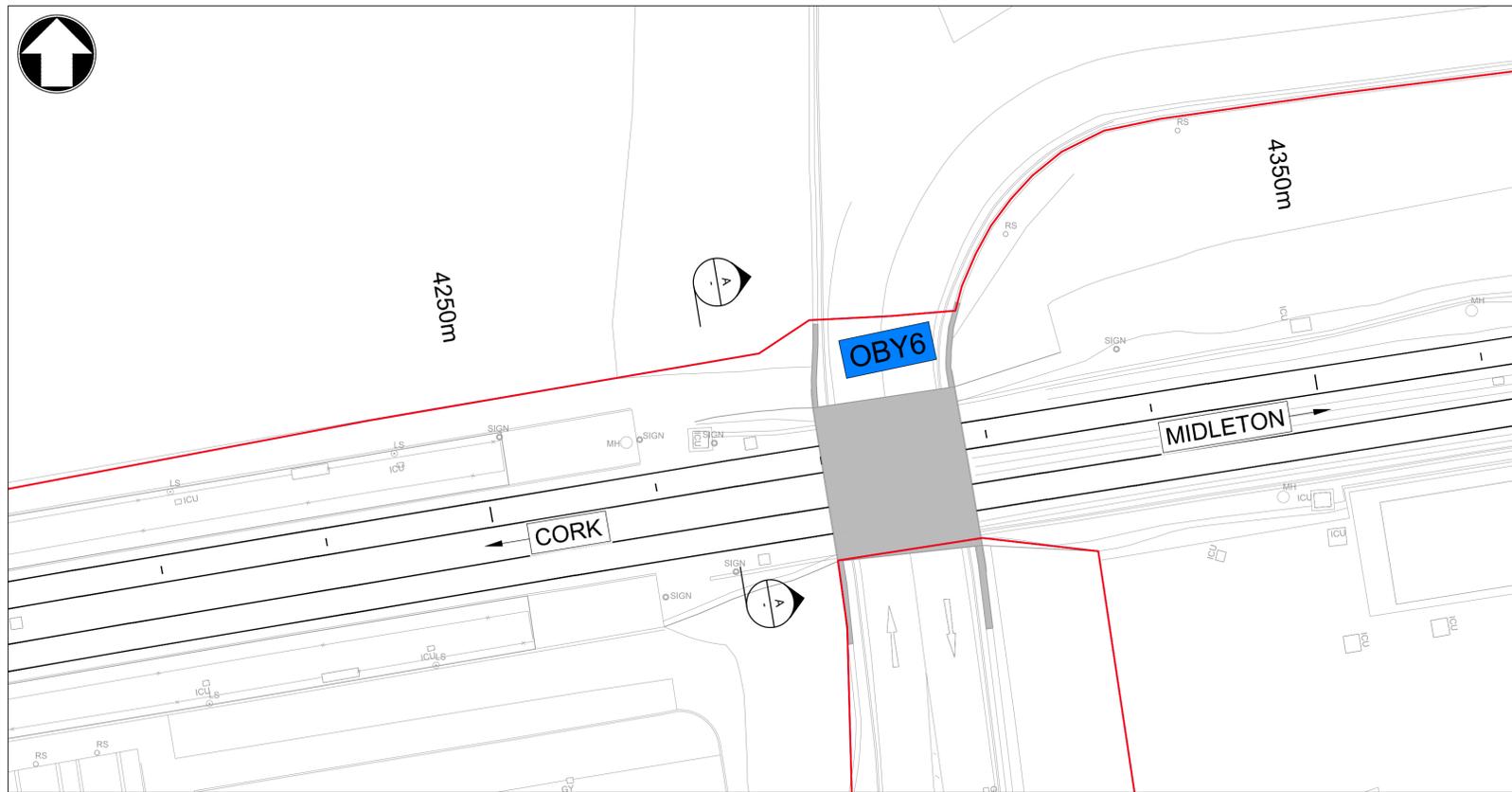


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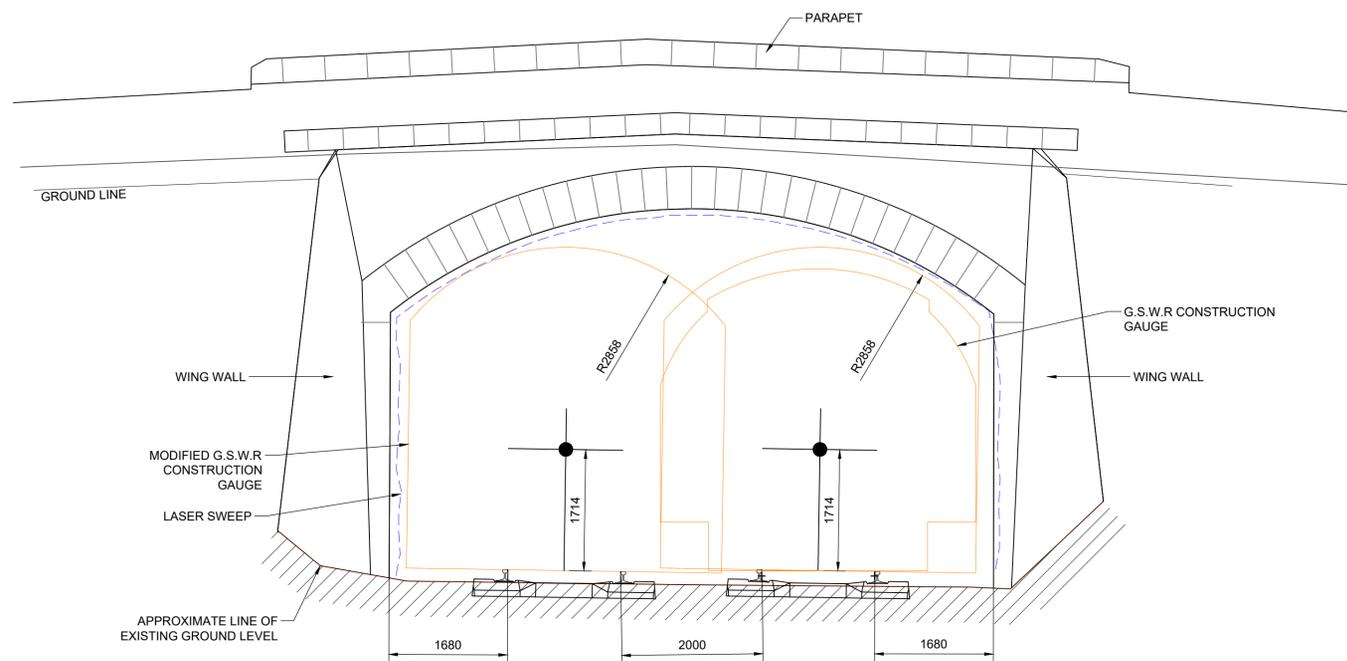
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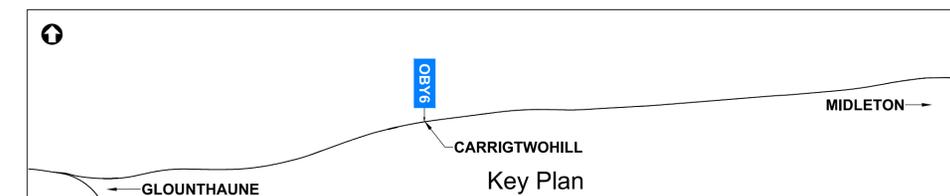
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Drawing File Name C745-WP3 04-XX-XX-XXX-DR-MMD-SE-0150	Sheet 6 of 26
Coordination N.SAMACHETTY	Approved J.MCINERNEY
Scale @A1: AS SHOWN	Acceptance S
Scale @A3: AS SHOWN	Purpose P3
	Rev P01



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



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

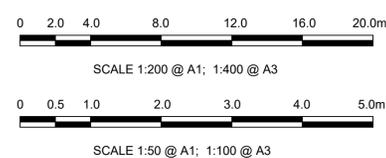


Key Plan

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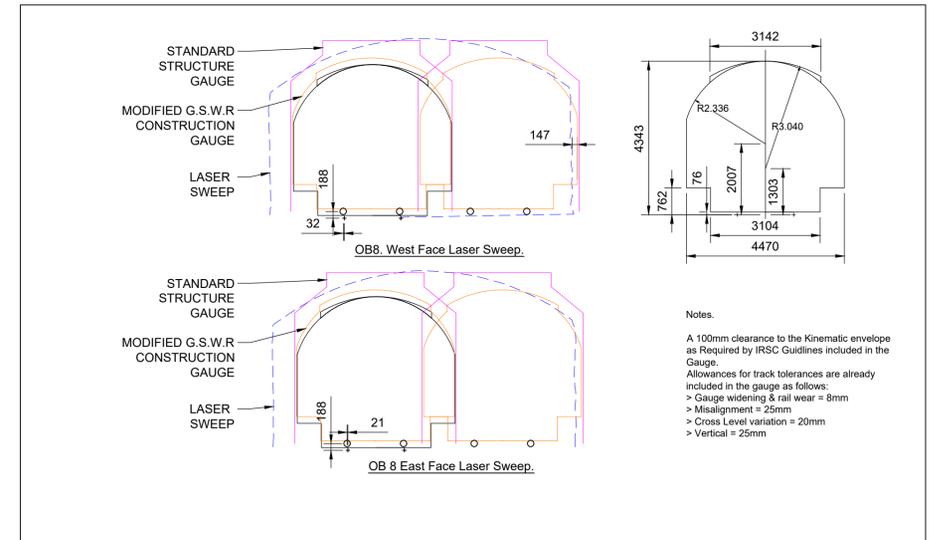
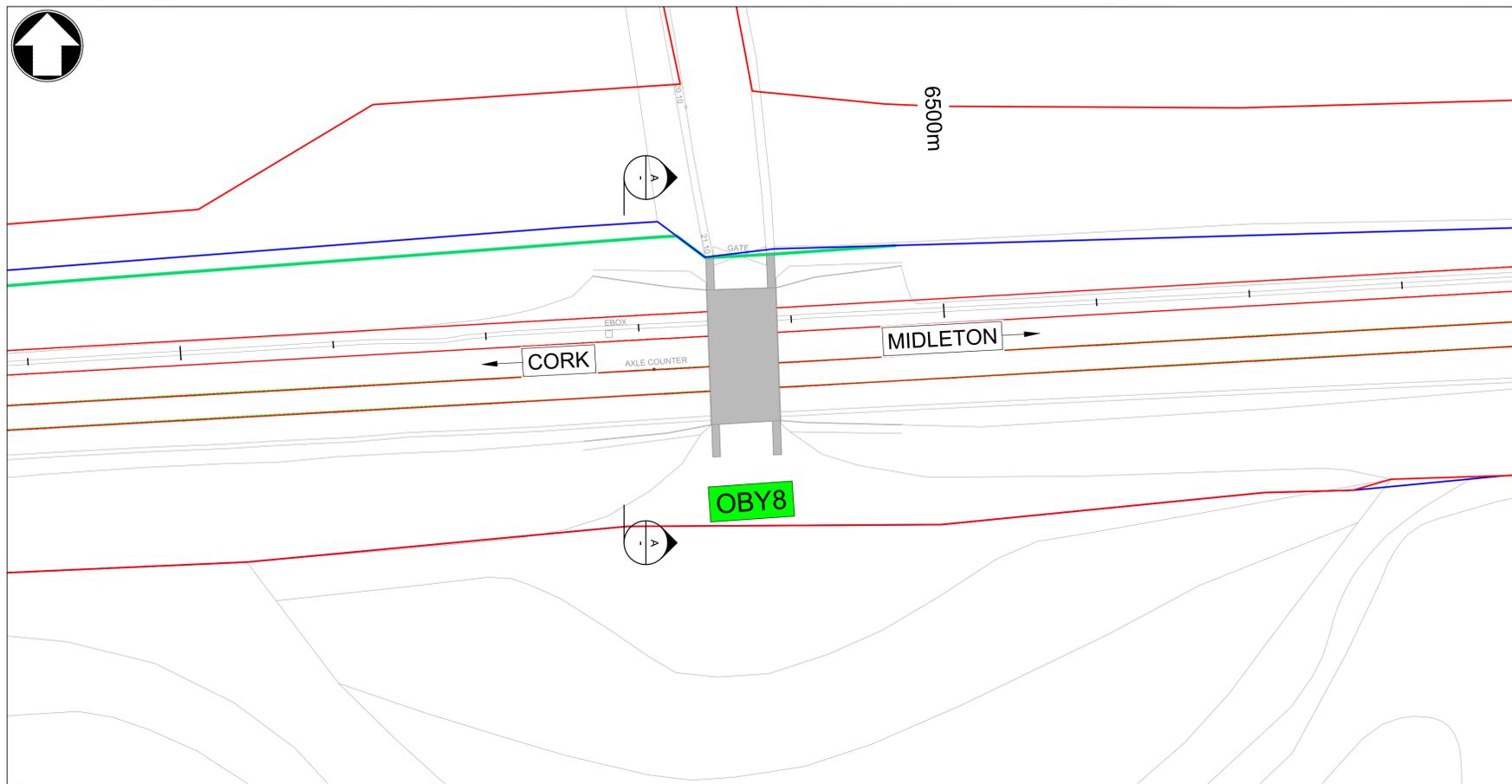


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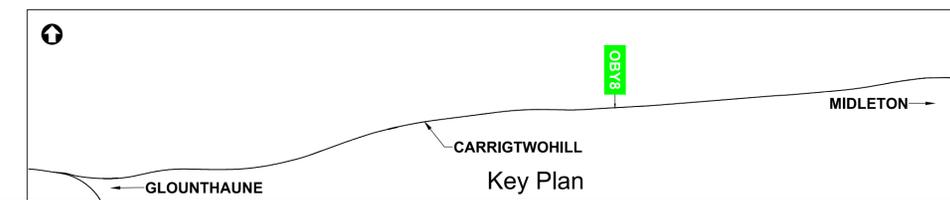
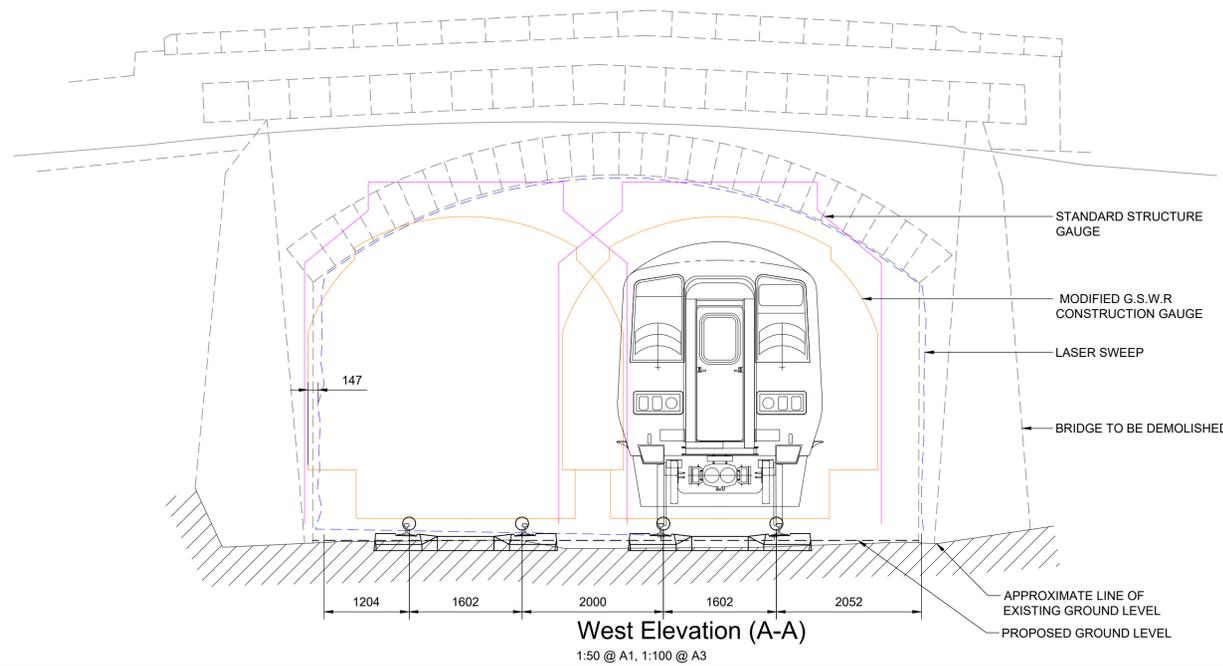
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P01	23/09/22	RS	NS	JM	PLANNING ISSUE
Date	23/09/22	Designed	R.SEXTON	Drawn	R.SEWARD
		Dwg check	R.SEXTON	Eng check	N.SAMACHETTY

Project Title		CORK AREA COMMUTER RAIL	
		GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title		EXISTING OVERBRIDGE OBY6 CH4274 - BARRY'S BRIDGE PLAN, SECTION & DETAILS	
Drawing File Name	C745-WP3 04-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	P3
		Rev	P01



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

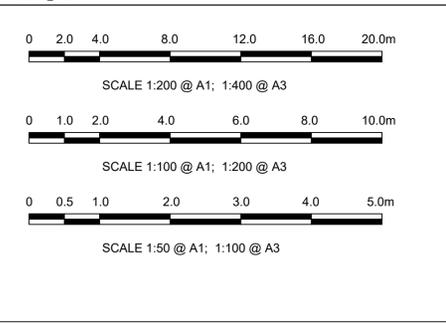


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LEGEND

	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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Irish Rail

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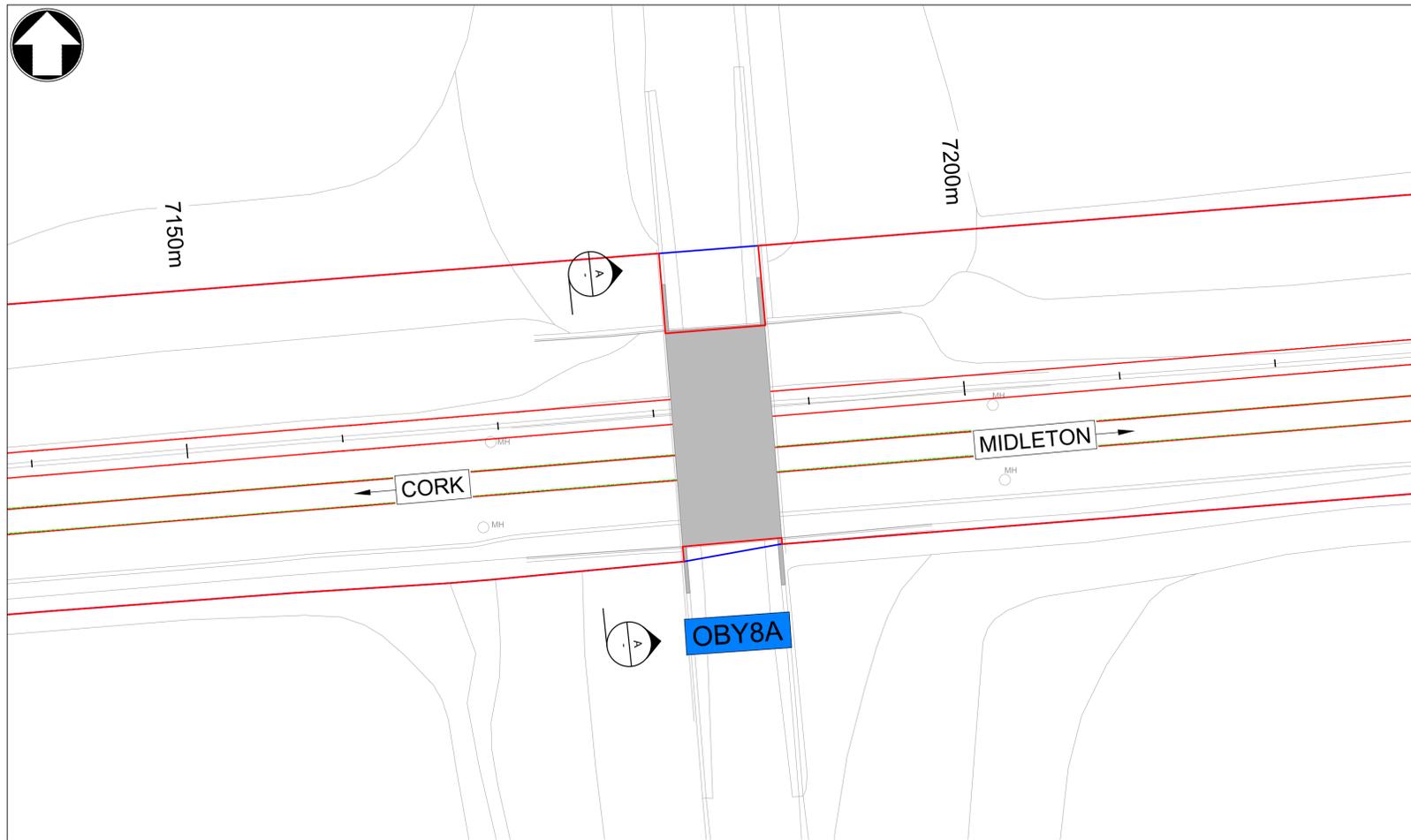
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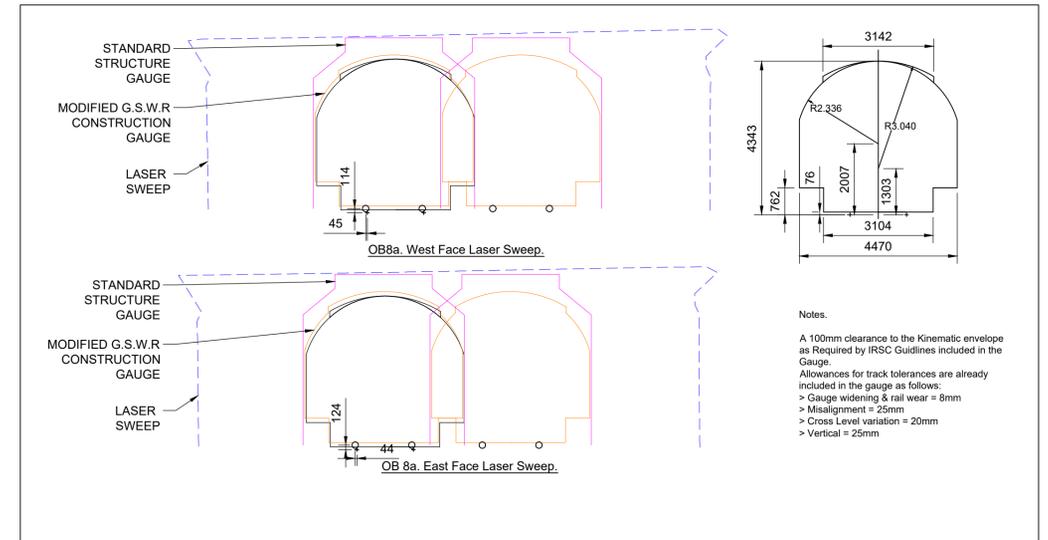
Rev	Date	Drawn	Eng Check	Appr	Description
P01	23/09/22	RS	NS	JM	PLANNING ISSUE

Date	23/09/22	Designed	R.SEXTON	Drawn	R.SEWARD	Dwg check	R.SEXTON	Eng check	N.SAMACHETTY
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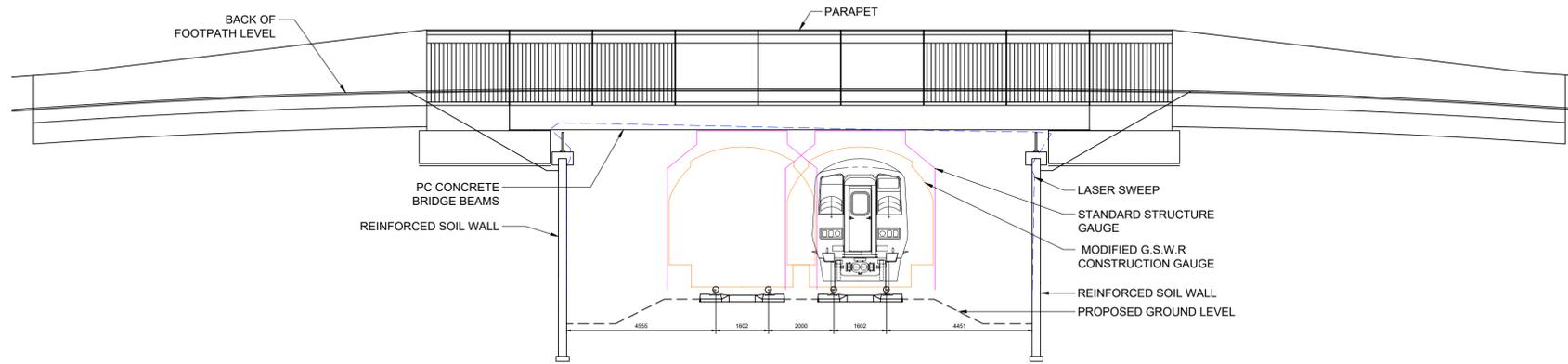
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Drawing Title EXISTING OVERBRIDGE OBY8 PROPOSED TO BE DEMOLISHED CH6487 BALLYADAM HOUSE BRIDGE PLAN, SECTION & DETAILS	
Drawing File Name C745-WP3 04-XX-XX-XXX-DR-MMD-SE-0180	Sheet 09 of 26
Coordination N.SAMACHETTY	Approved J.MCINERNEY
Scale @A1: AS SHOWN	Acceptance S
Scale @A3: AS SHOWN	Purpose P3
Rev P01	



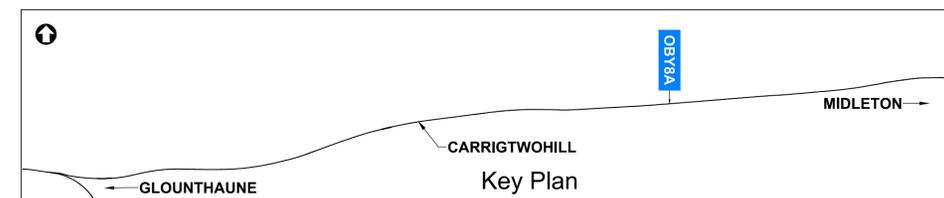
Plan
1:200 @ A1, 1:400 @ A3



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



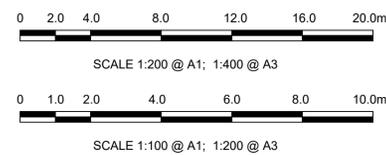
West Elevation (A-A)
1:100 @ A1, 1:200 @ A3



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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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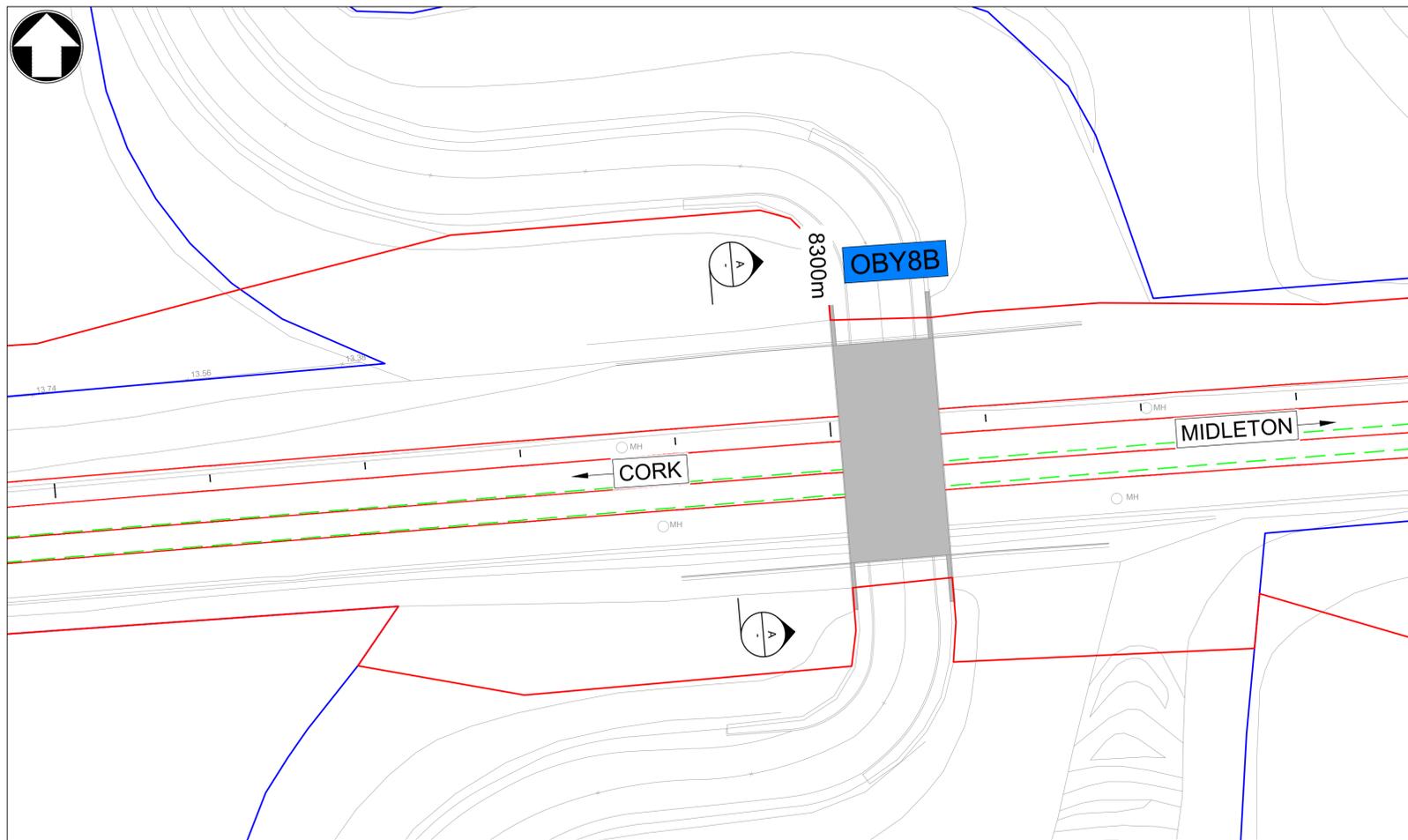


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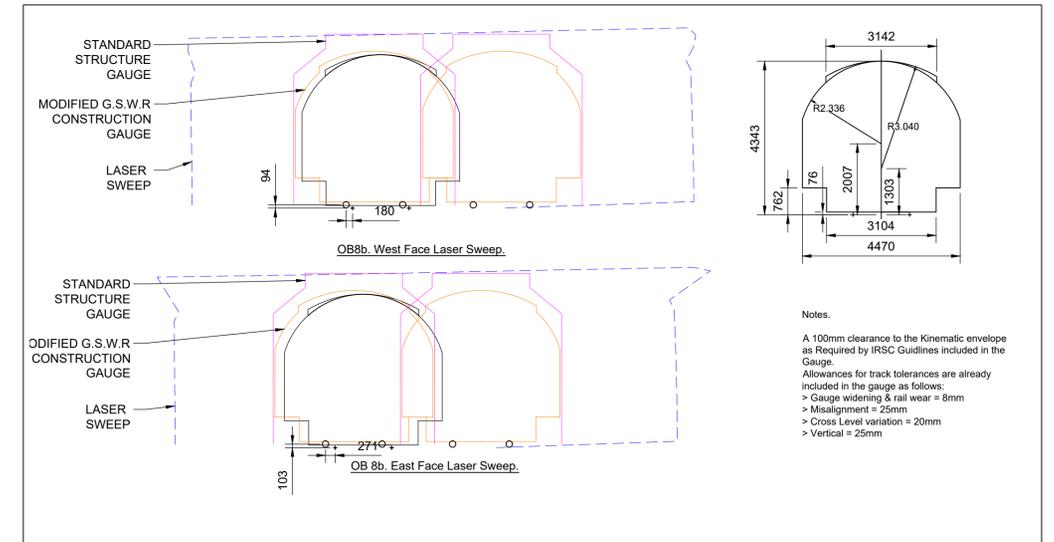
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		Dwg check	R.SEXTON	Eng check	N.SAMACHETTY

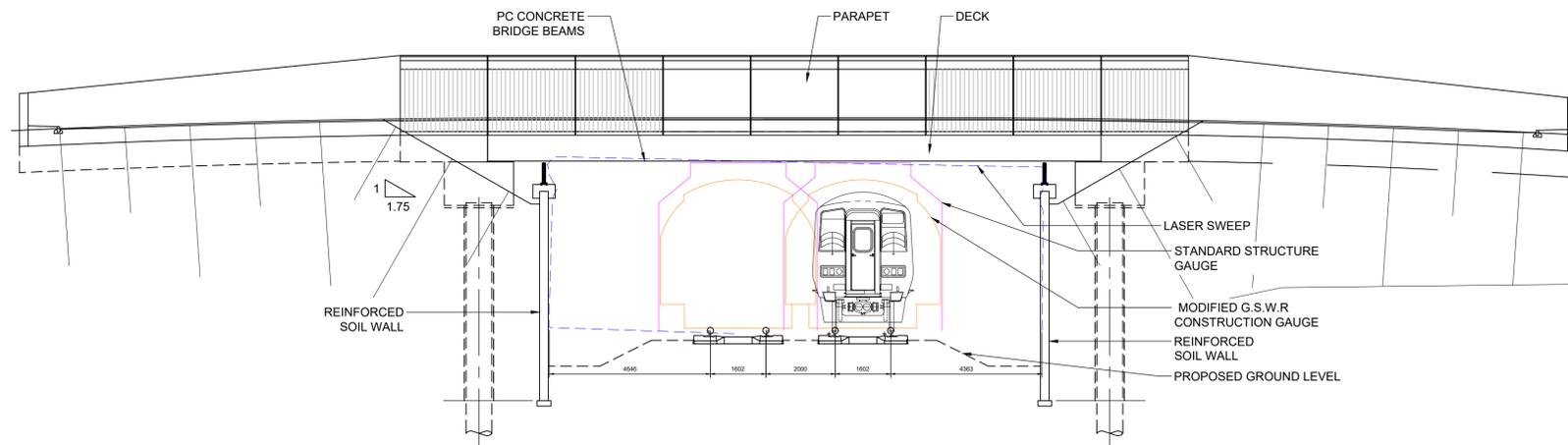
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Drawing Title EXISTING OVERBRIDGE OBY8A CH7134 BALLYADAM PLAN, SECTION & DETAILS	
Drawing File Name C745-WP3 04-XX-XX-XXX-DR-MMD-SE-0190	Sheet 10 of 26
Coordination N.SAMACHETTY	Approved J.MCINERNEY
Scale @A1: AS SHOWN	Acceptance S
Scale @A3: AS SHOWN	Purpose P3
Rev P01	



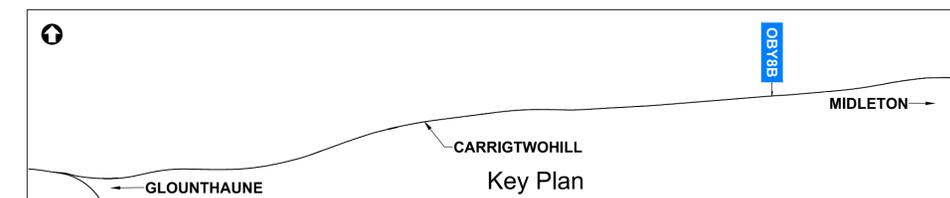
Plan
1:200 @ A1, 1:400 @ A3



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



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

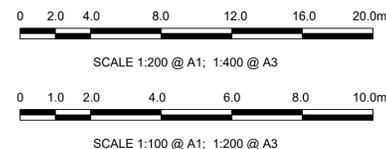


Key Plan

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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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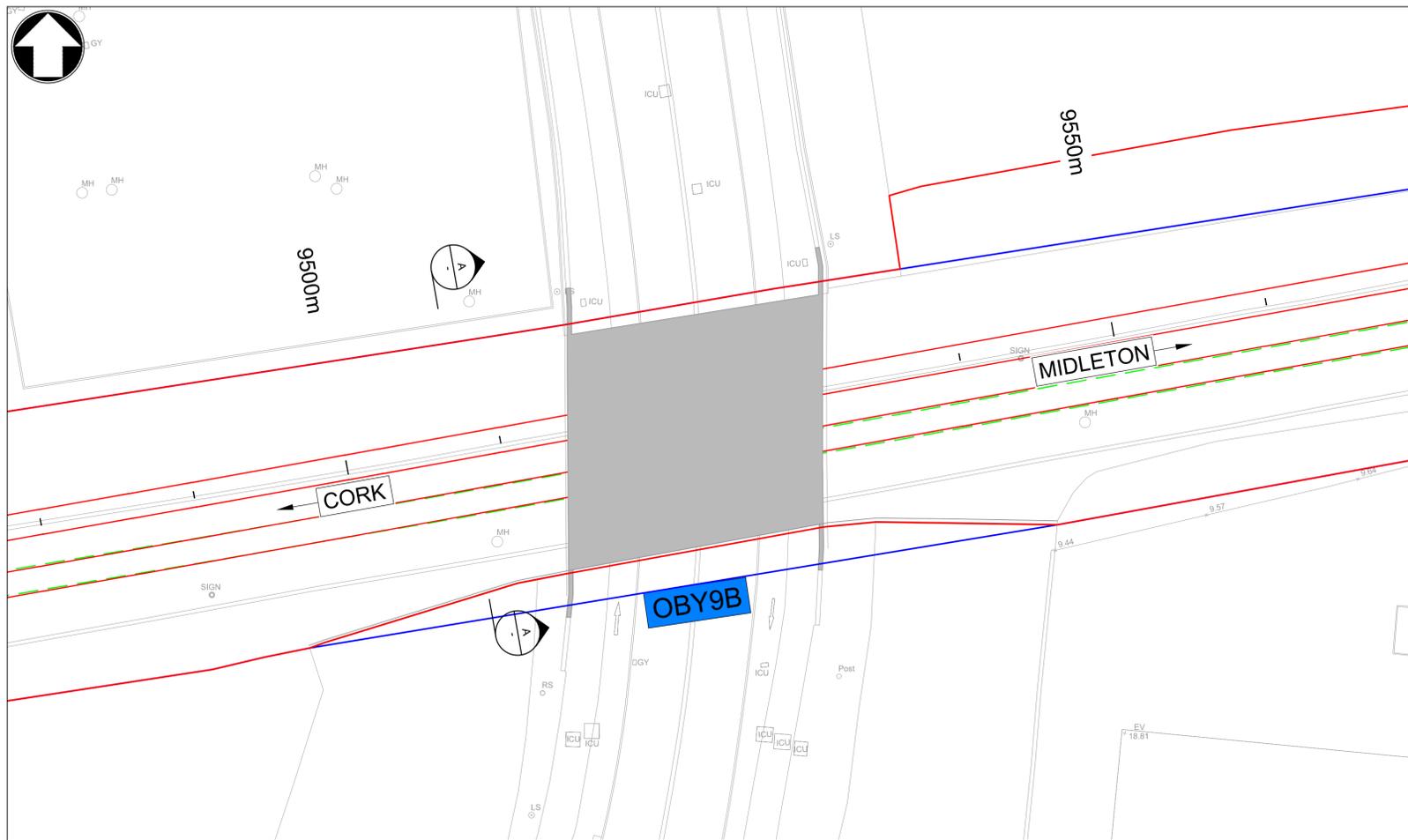


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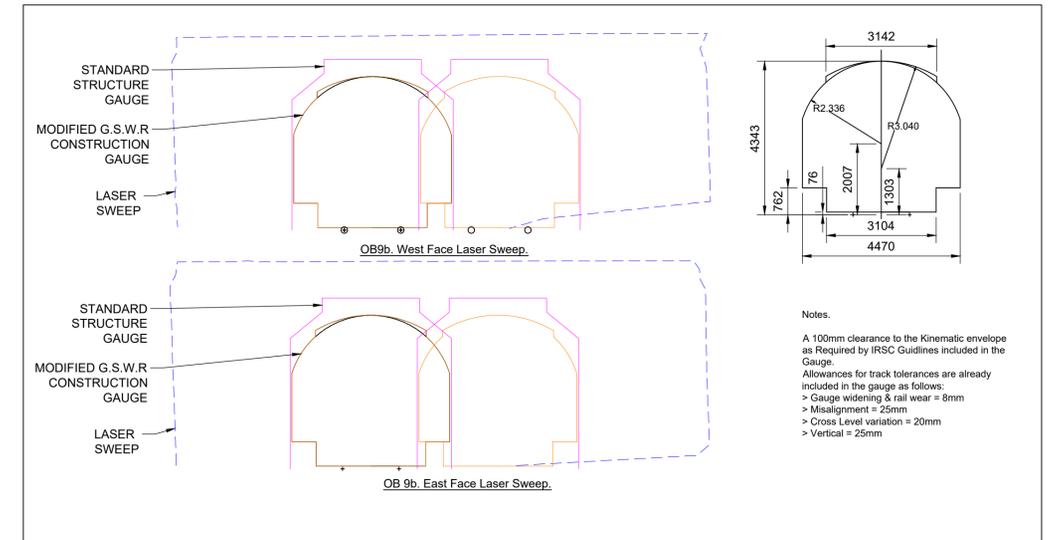
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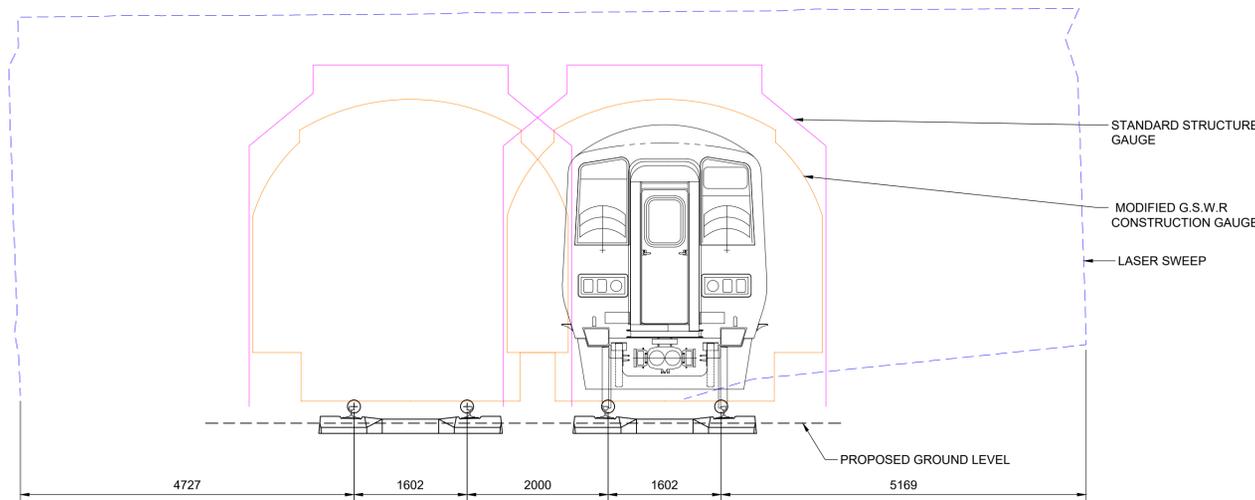
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Drawing Title EXISTING OVERBRIDGE OBY8B CH8304 WATERROCK PLAN, SECTION & DETAILS	
Drawing File Name C745-WP3 04-XX-XX-XXX-DR-MMD-SE-0200	Sheet 11 of 26
Coordination N.SAMACHETTY	Approved J.MCINERNEY
Scale @A1: AS SHOWN	Acceptance S
Scale @A3: AS SHOWN	Purpose P3
	Rev P01



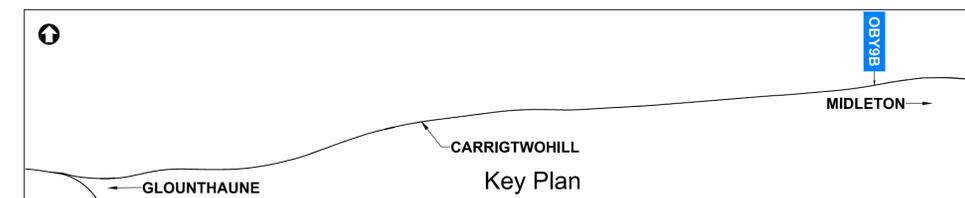
Plan
1:200 @ A1, 1:400 @ A3



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



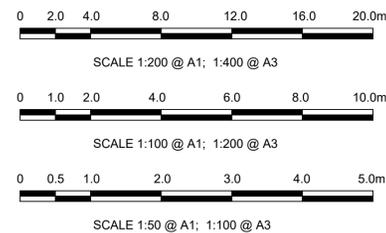
West Elevation (A-A)
1:50 @ A1, 1:100 @ A3



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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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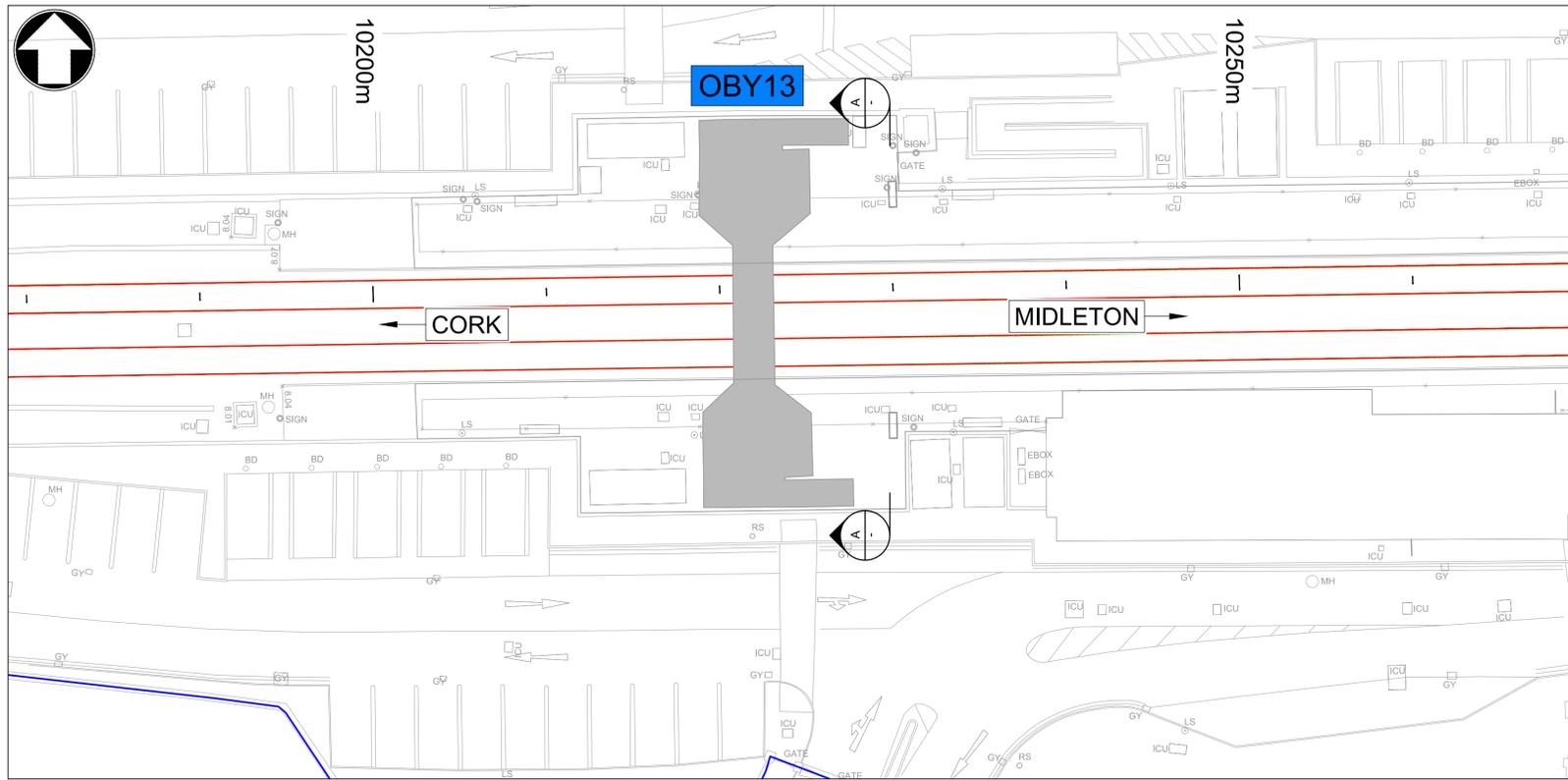
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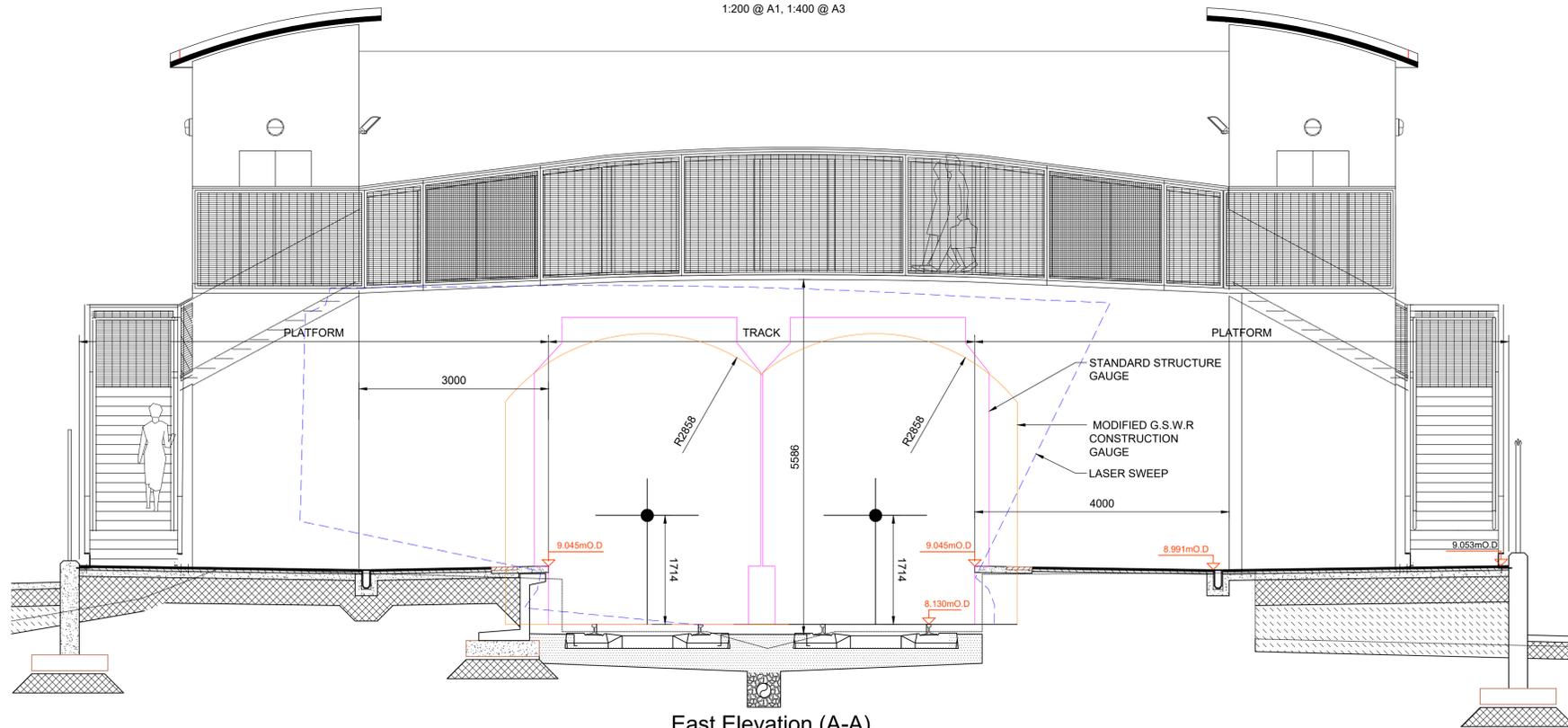
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P01	23/09/22	RS	NS	JM	PLANNING ISSUE

Date	23/09/22	Designed	R.SEXTON	Drawn	R.SEWARD	Dwg check	R.SEXTON	Eng check	N.SAMACHETTY
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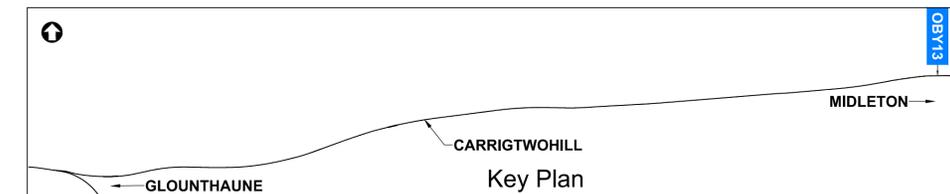
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Drawing Title	EXISTING OVERBRIDGE OBY9B CH9523 NORTHERN RELIEF ROAD PLAN, SECTION & DETAILS		
Drawing File Name	C745-WP3 04-XX-XX-XXX-DR-MMD-SE-0210	Sheet	12 of 26
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1: AS SHOWN	Scale @A3: AS SHOWN	Acceptance	S
Purpose	P3	Rev	P01



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



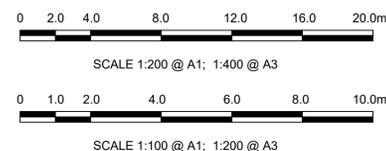
East Elevation (A-A)
1:100 @ A1, 1:200 @ A3



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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
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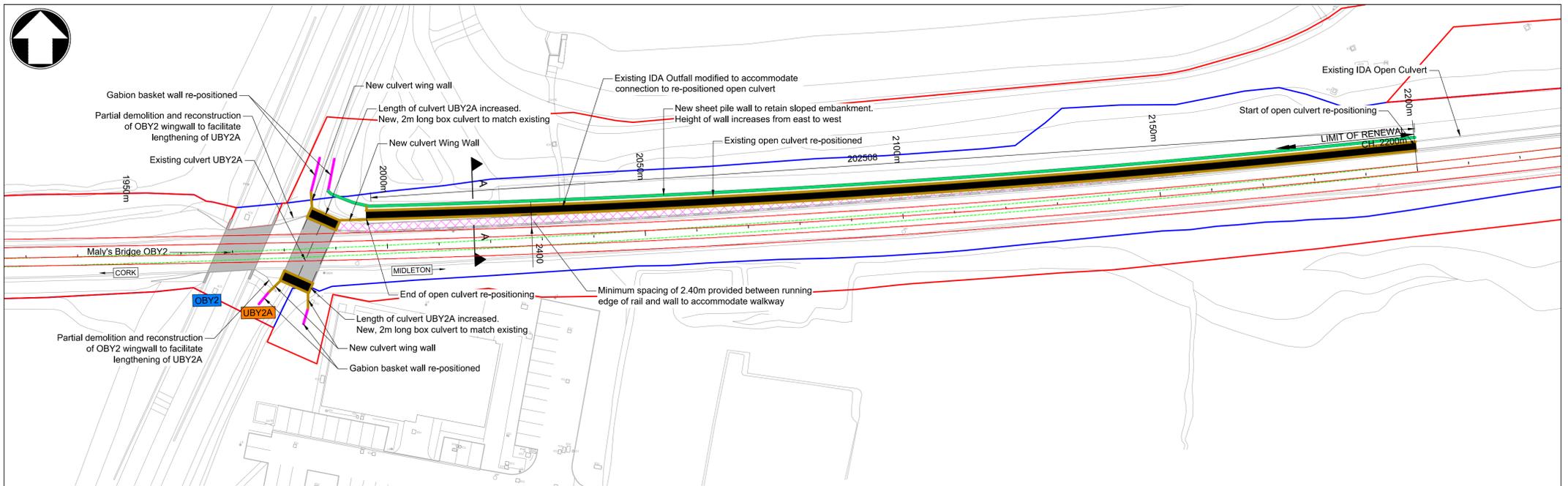


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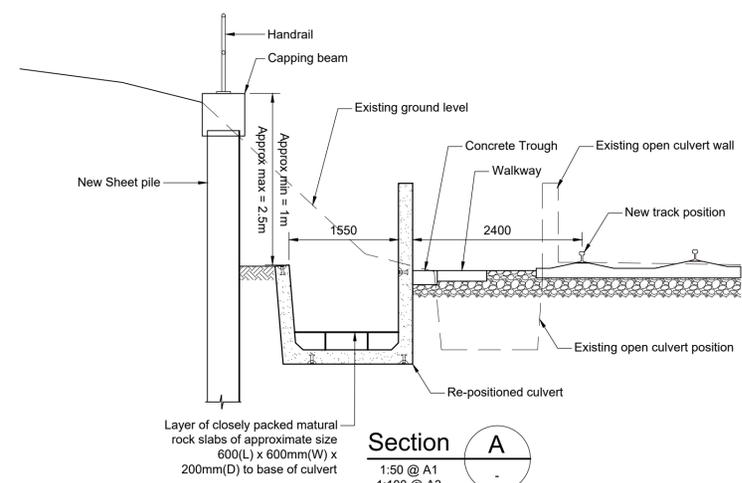
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Project Title CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title EXISTING OVERBRIDGE OBY13 CH10222 FOOTBRIDGE MIDLETON STATION PLAN, SECTION & DETAILS	
Drawing File Name C745-WP3 04-XX-XX-XXX-DR-MMD-SE-0220	Sheet 13 of 26
Coordination N.SAMACHETTY	Approved J.MCINERNEY
Scale @A1: AS SHOWN	Acceptance S
Scale @A3: AS SHOWN	Purpose P3
Rev P01	

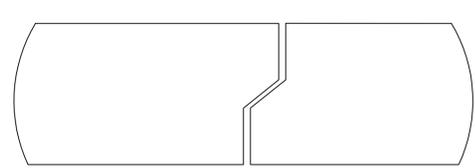


Plan
1:500 @ A1, 1:1000 @ A3

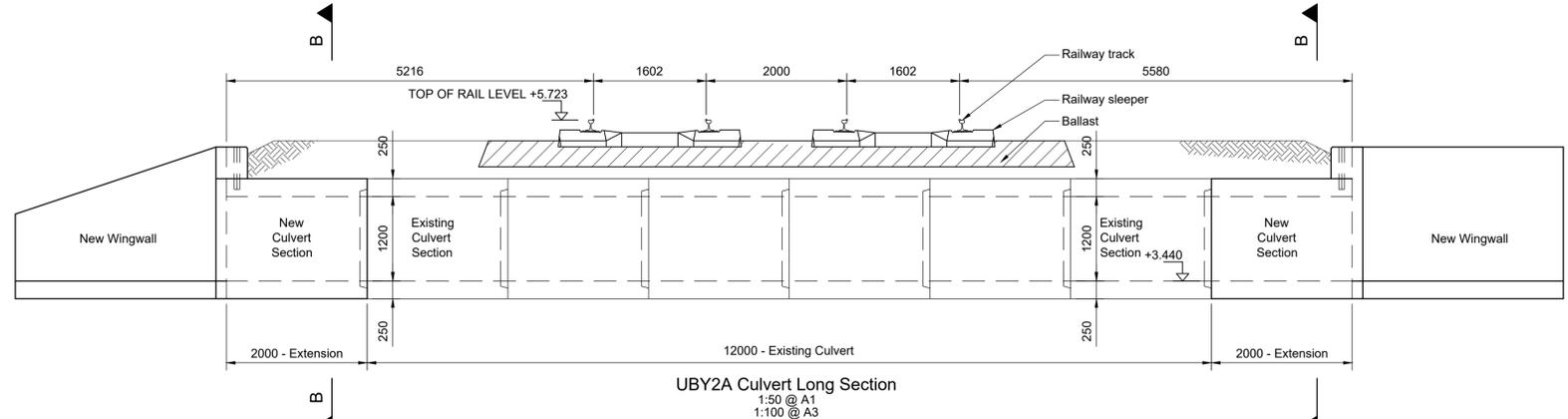
- IDA CULVERT RE-POSITIONING INDICATIVE CONSTRUCTION SEQUENCING:**
- CONSTRUCTION SEQUENCING IS DEPENDANT ON RAIL POSSESSION TIME FRAME (I.E. NIGHT TIME POSSESSION V'S WEEKEND POSSESSION V'S WEEK POSSESSION). FOR THE PURPOSES OF THIS CONSTRUCTION SEQUENCING, WORST CASE OF NIGHT TIME POSSESSION IS ASSUMED.
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.



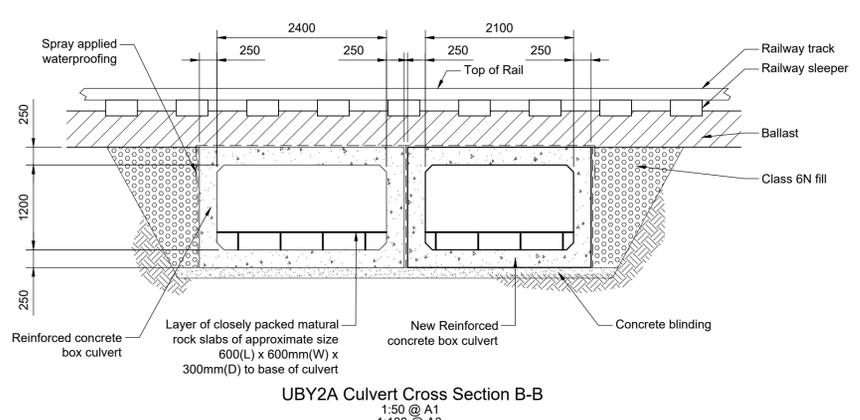
Section A
1:50 @ A1
1:100 @ A3



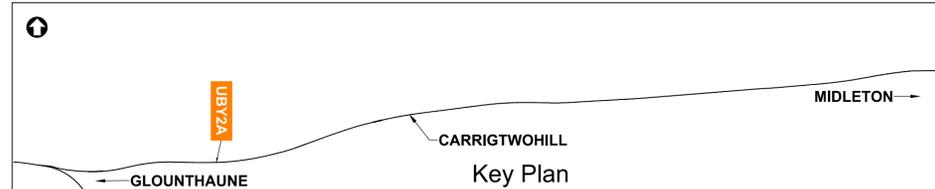
Open Culvert Unit Joint Detail
1:5 @ A1
1:10 @ A3



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



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

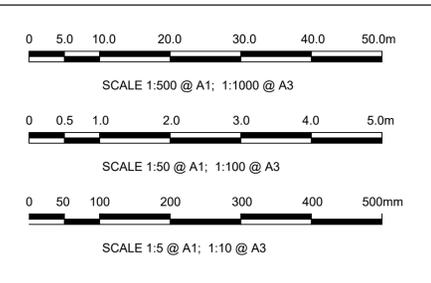


Key Plan

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	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
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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
	CIE LAND OWNERSHIP



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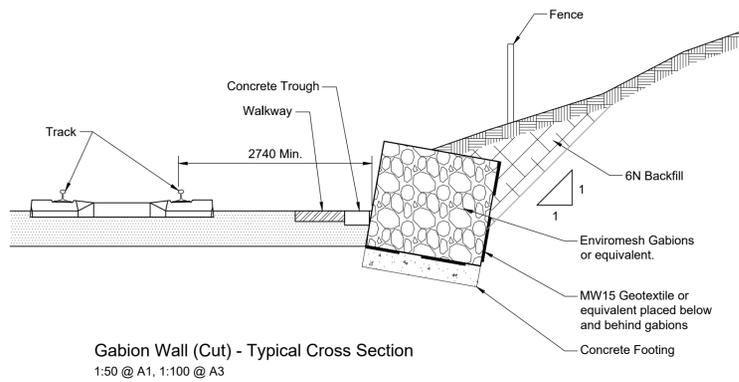
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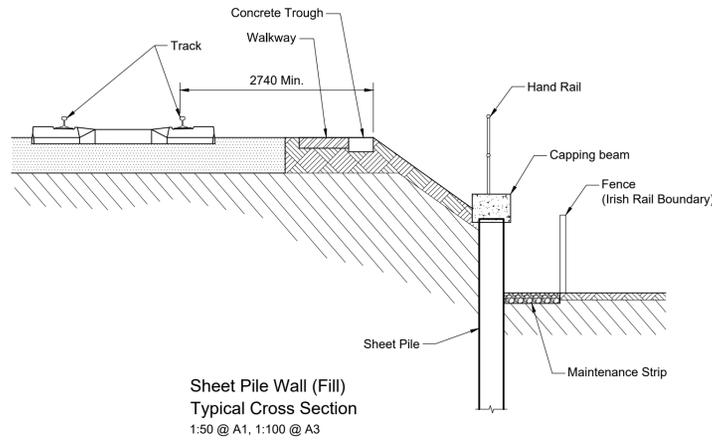
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P01	23/09/22	RS	NS	JM	PLANNING ISSUE
Rev	Date	Drawn	Eng Check	Appr	Description
	23/09/22	R.SEXTON		R.SEWARD	
Date	23/09/22	Designed	R.SEXTON	Drawn	R.SEWARD
		Dwg check	R.SEXTON	Eng check	N.SAMACHETTY

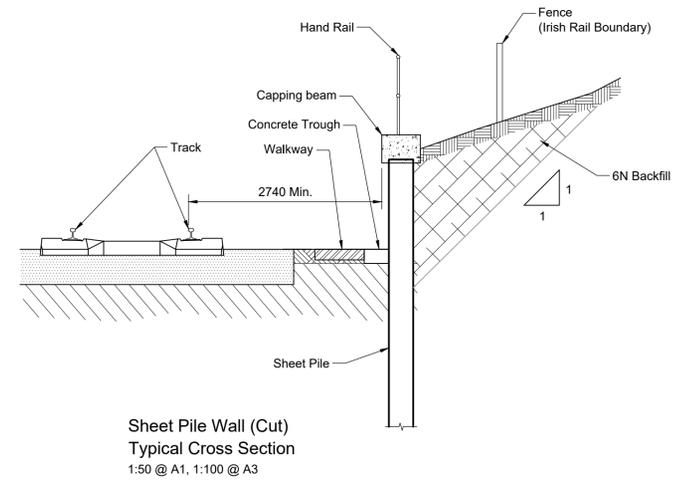
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		GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title		IDA OPEN CULVERT AND CULVERT UB2A CH1997 TO CH2200 PLAN, SECTION & DETAILS	
Drawing File Name	C745-WP3 04-XX-XX-XXX-DR-MMD-SE-0240	Sheet	15 of 26
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
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Scale @A3:	AS SHOWN	Purpose	P3
		Rev	P01



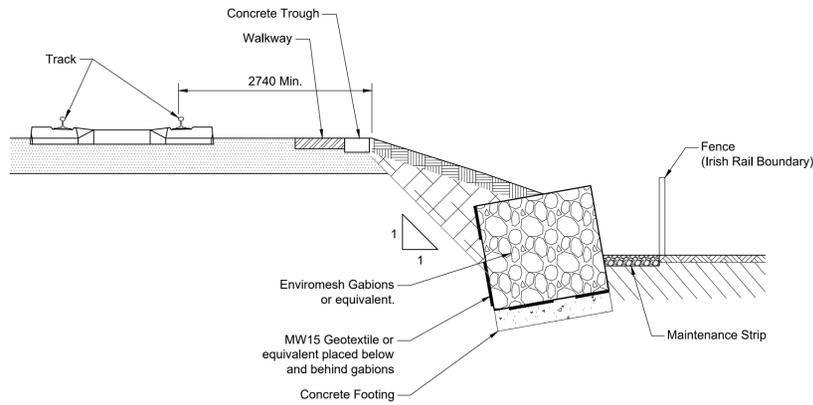
Gabion Wall (Cut) - Typical Cross Section
1:50 @ A1, 1:100 @ A3



Sheet Pile Wall (Fill)
Typical Cross Section
1:50 @ A1, 1:100 @ A3



Sheet Pile Wall (Cut)
Typical Cross Section
1:50 @ A1, 1:100 @ A3



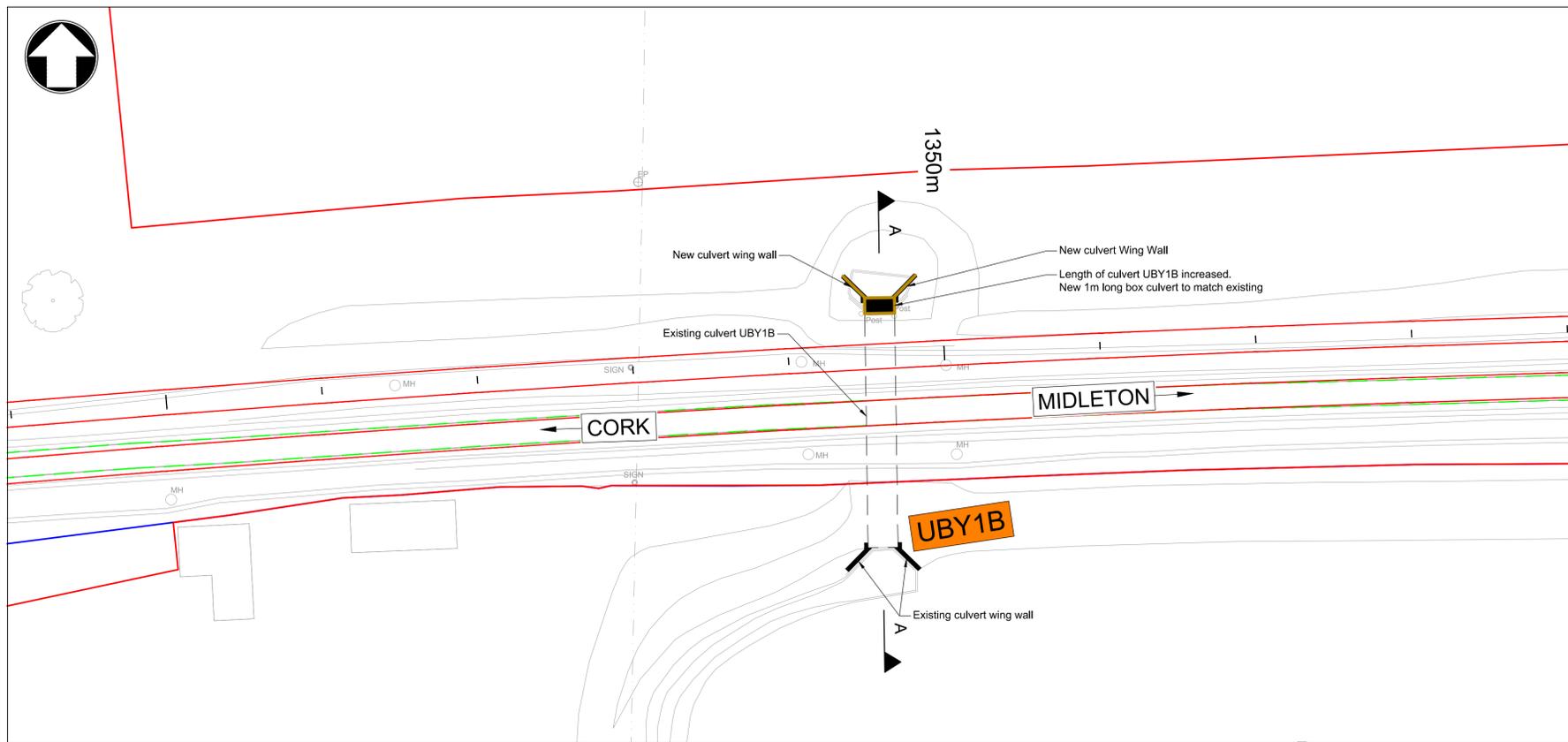
Gabion Wall (Fill) - Typical Cross Section
1:50 @ A1, 1:100 @ A3

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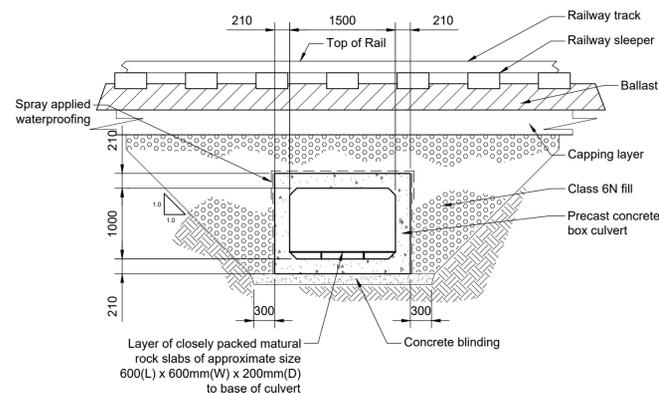
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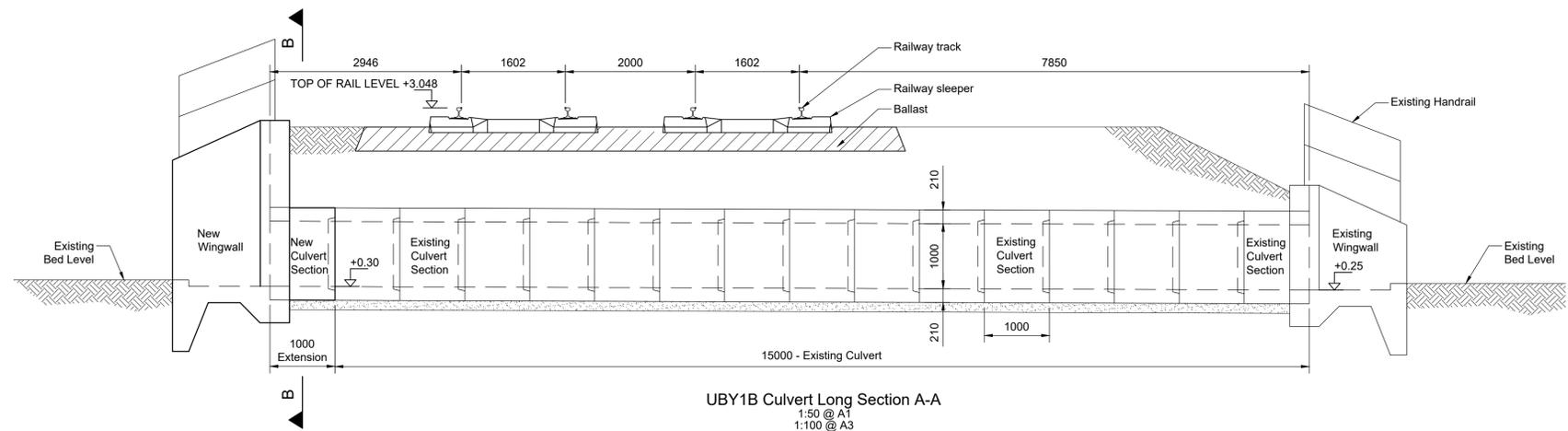
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 		Drawing Title STRUCTURES TYPICAL DETAILS SHEET PILE AND GABION WALL		Drawing File Name C745-WP3 04-XX-XX-XXX-DR-MMD-SE-0250																							
 5 Eastgate Avenue Eastgate Little Island Cork Ireland T +353 (0) 21 4809800 F +353 (0) 21 4809801 W www.mottmac.com		<table border="1"> <thead> <tr> <th>Date</th> <th>Designed</th> <th>Drawn</th> <th>Dwg check</th> <th>Eng check</th> </tr> </thead> <tbody> <tr> <td>23/09/22</td> <td>R.SEXTON</td> <td>R.SEWARD</td> <td>R.SEXTON</td> <td>N.SAMACHETTY</td> </tr> </tbody> </table>		Date	Designed	Drawn	Dwg check	Eng check	23/09/22	R.SEXTON	R.SEWARD	R.SEXTON	N.SAMACHETTY	<table border="1"> <thead> <tr> <th>Rev</th> <th>Date</th> <th>Drawn</th> <th>Eng Check</th> <th>Appr</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>P01</td> <td>23/09/22</td> <td>RS</td> <td>NS</td> <td>JM</td> <td>PLANNING ISSUE</td> </tr> </tbody> </table>		Rev	Date	Drawn	Eng Check	Appr	Description	P01	23/09/22	RS	NS	JM	PLANNING ISSUE
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Rev	Date	Drawn	Eng Check	Appr	Description																						
P01	23/09/22	RS	NS	JM	PLANNING ISSUE																						
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Purpose P3		Rev P01																									



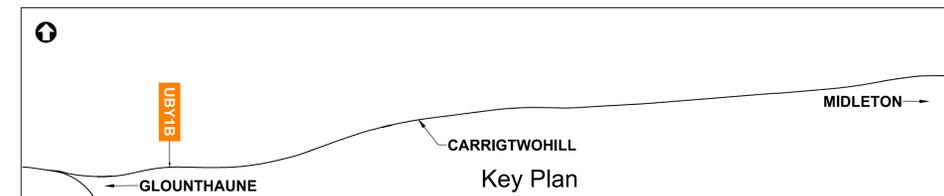
Plan
1:200 @ A1, 1:400 @ A3



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



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

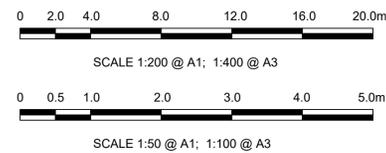


Key Plan

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	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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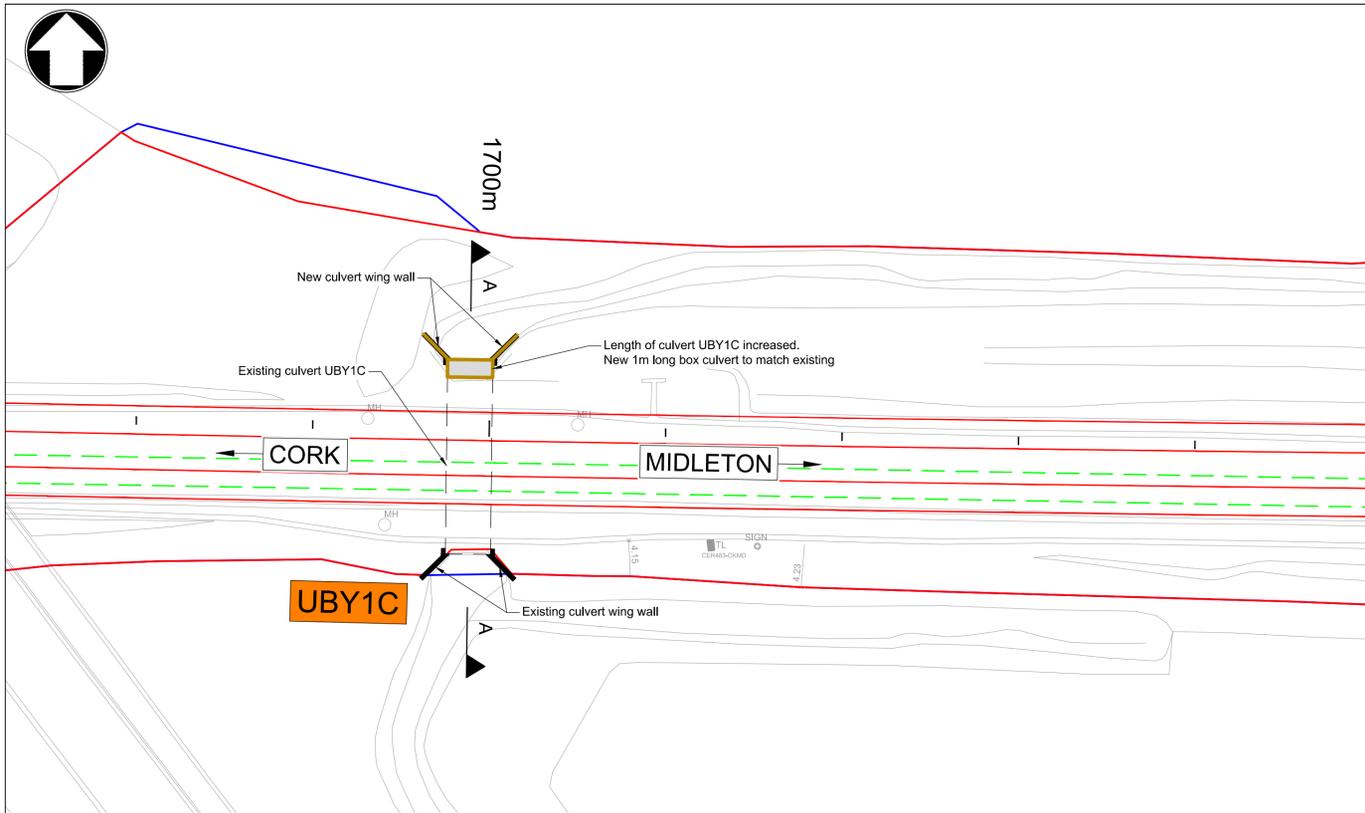


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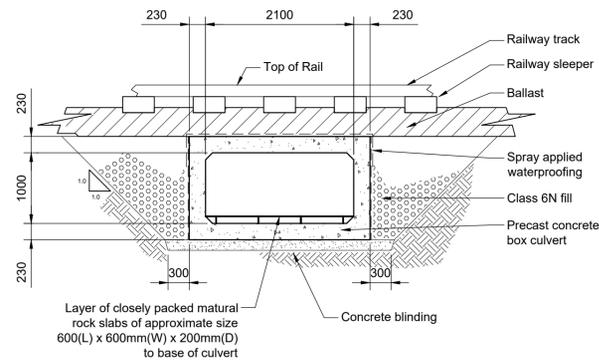
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P01	23/09/22	RS	NS	JM	PLANNING ISSUE				

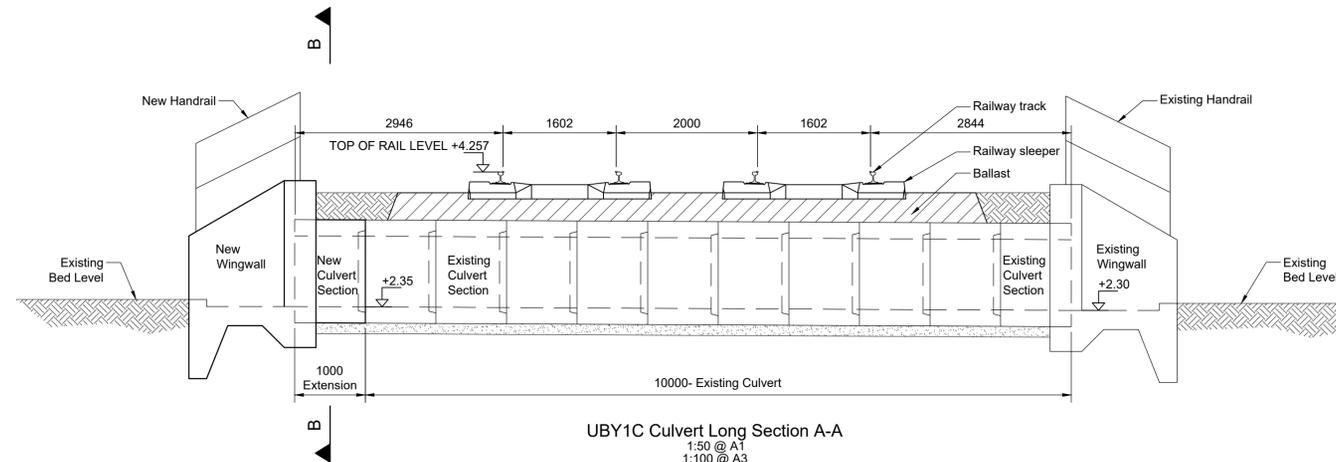
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Drawing Title		EXISTING CULVERT UB1B CH1346 PLAN, SECTION & ELEVATION	
Drawing File Name	C745-WP3_04-XX-XX-XXX-DR-MMD-SE-0260	Sheet	17 of 26
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1:	AS SHOWN	Acceptance	S
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		Rev	P01



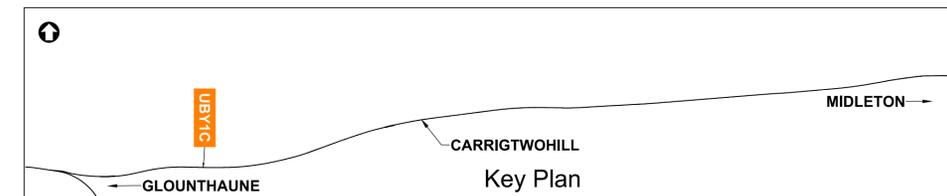
Plan
1:200 @ A1, 1:400 @ A3



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



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

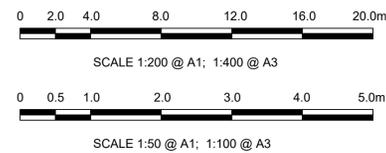


Key Plan

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	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
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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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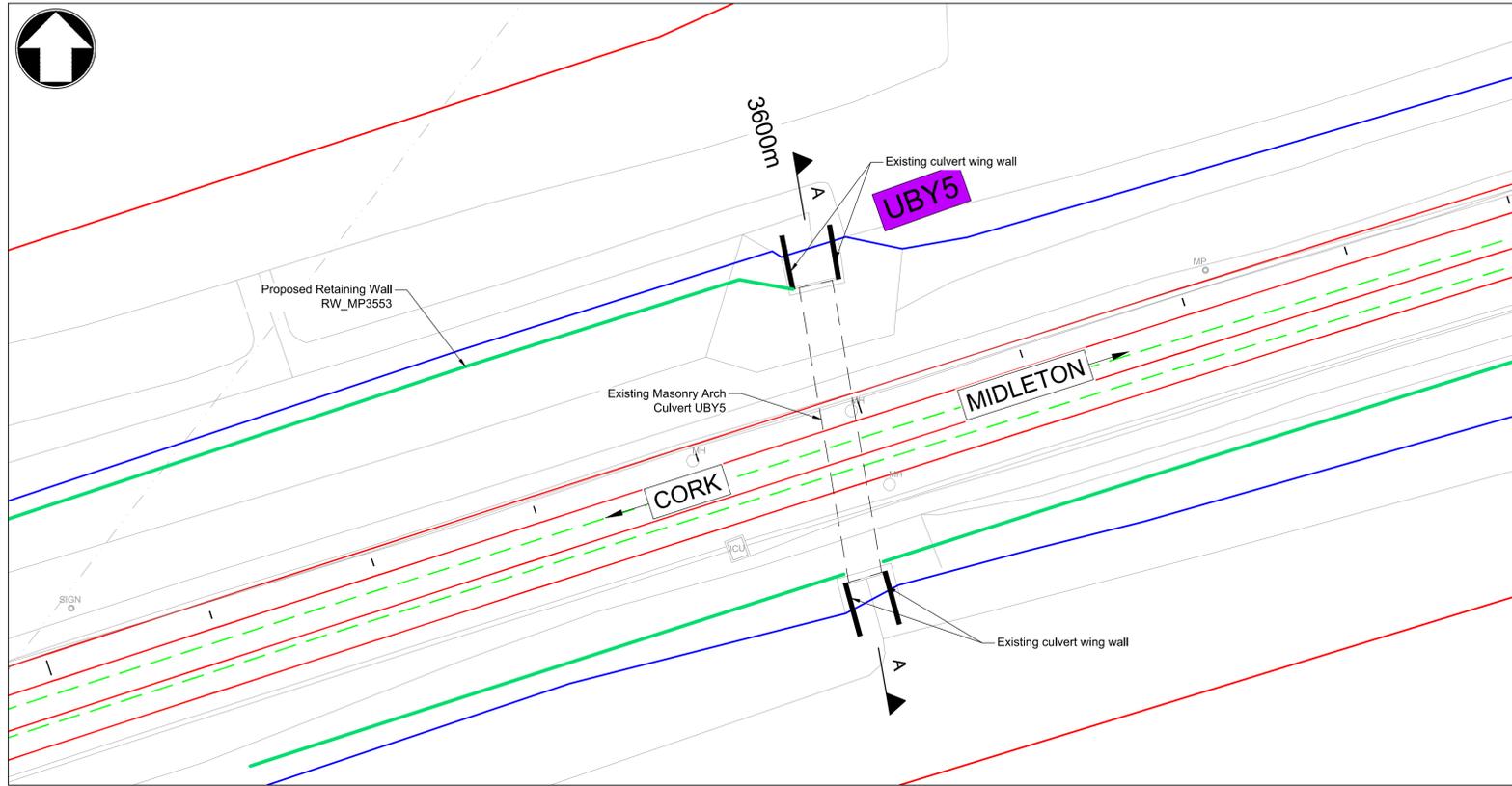
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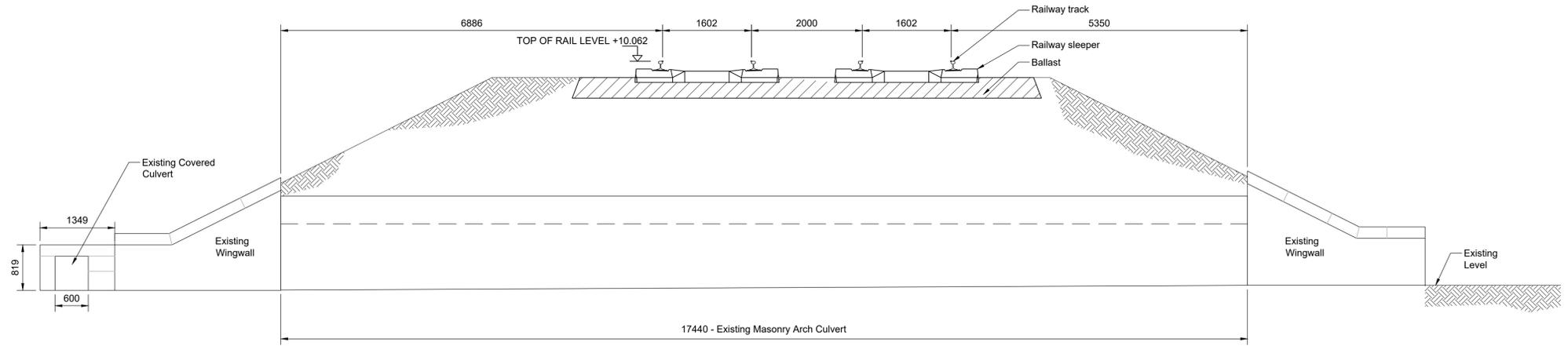
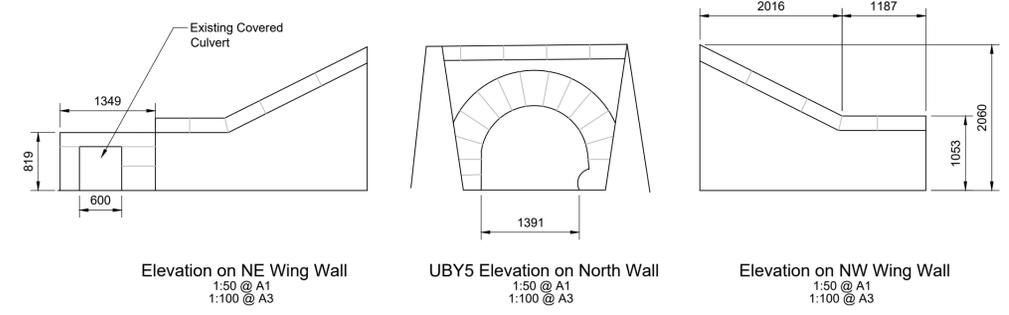
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GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title EXISTING CULVERT UB1C
CH1700
PLAN, SECTION & ELEVATION

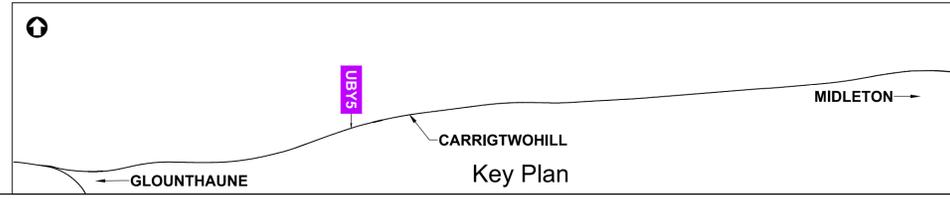
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Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1: AS SHOWN	Scale @A3: AS SHOWN	Acceptance	S
Purpose	P3	Rev	P01



Plan
1:200 @ A1
1:400 @ A3



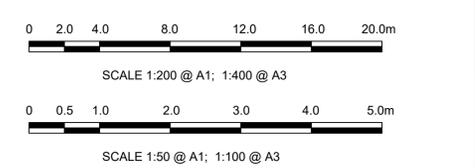
UB5 Culvert Long Section A-A
1:50 @ A1
1:100 @ A3



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	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
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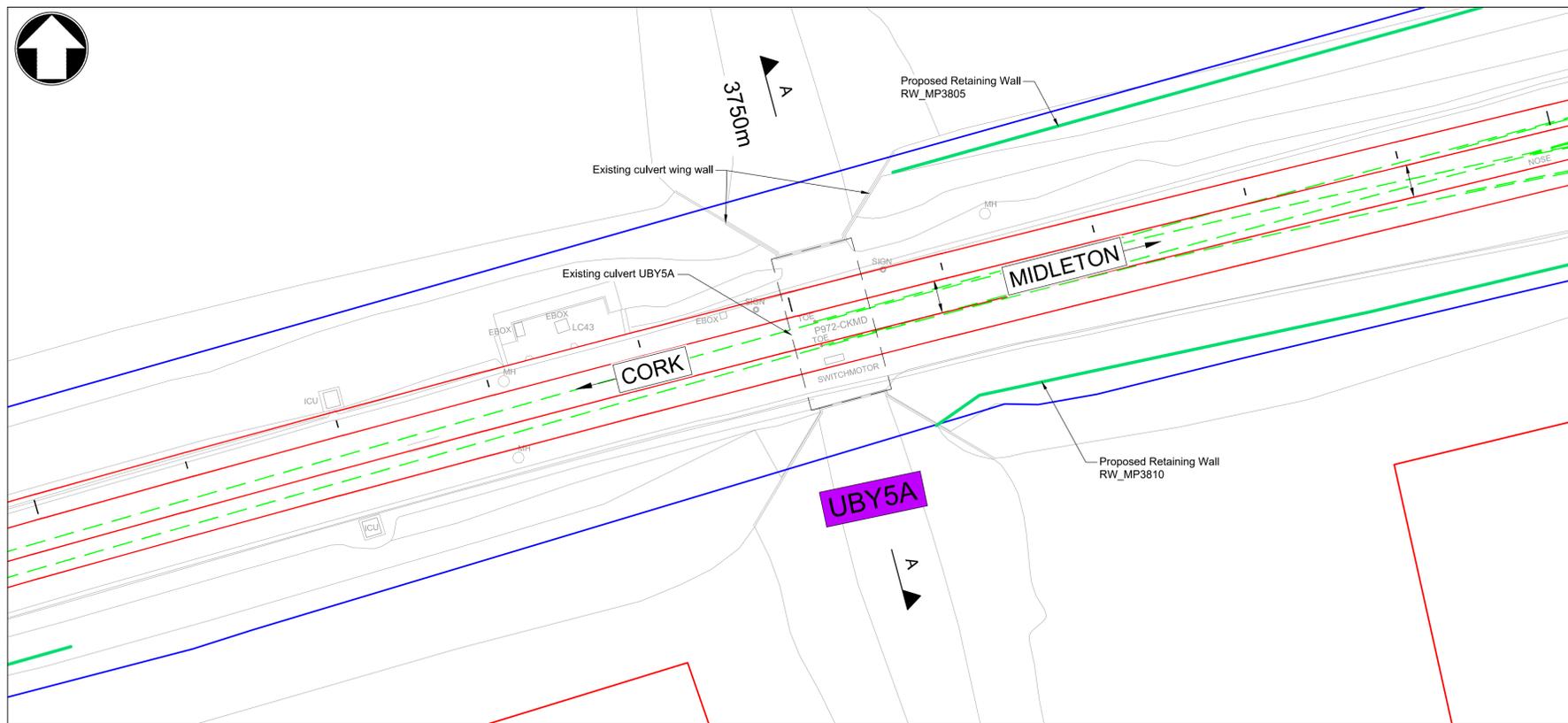
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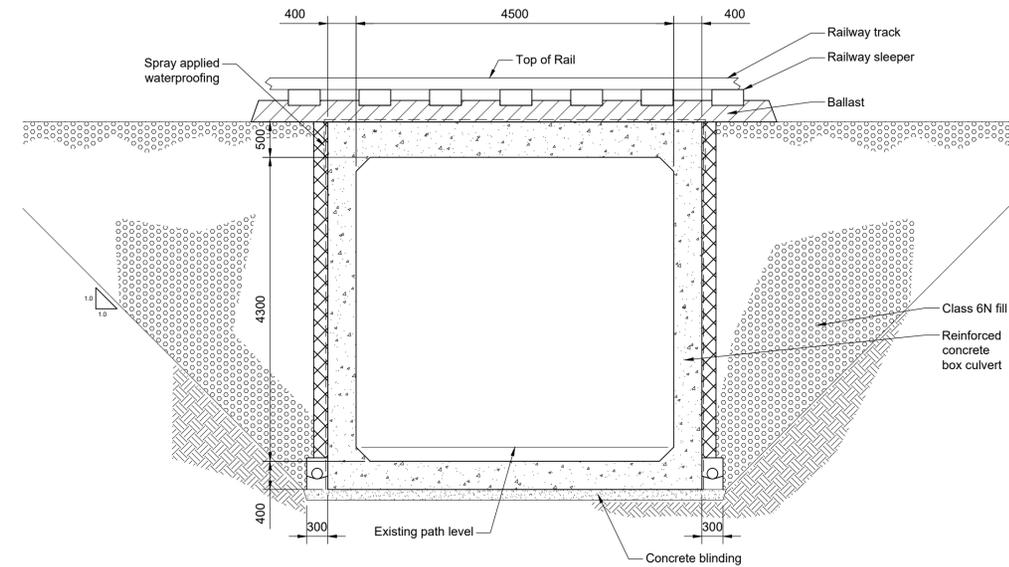
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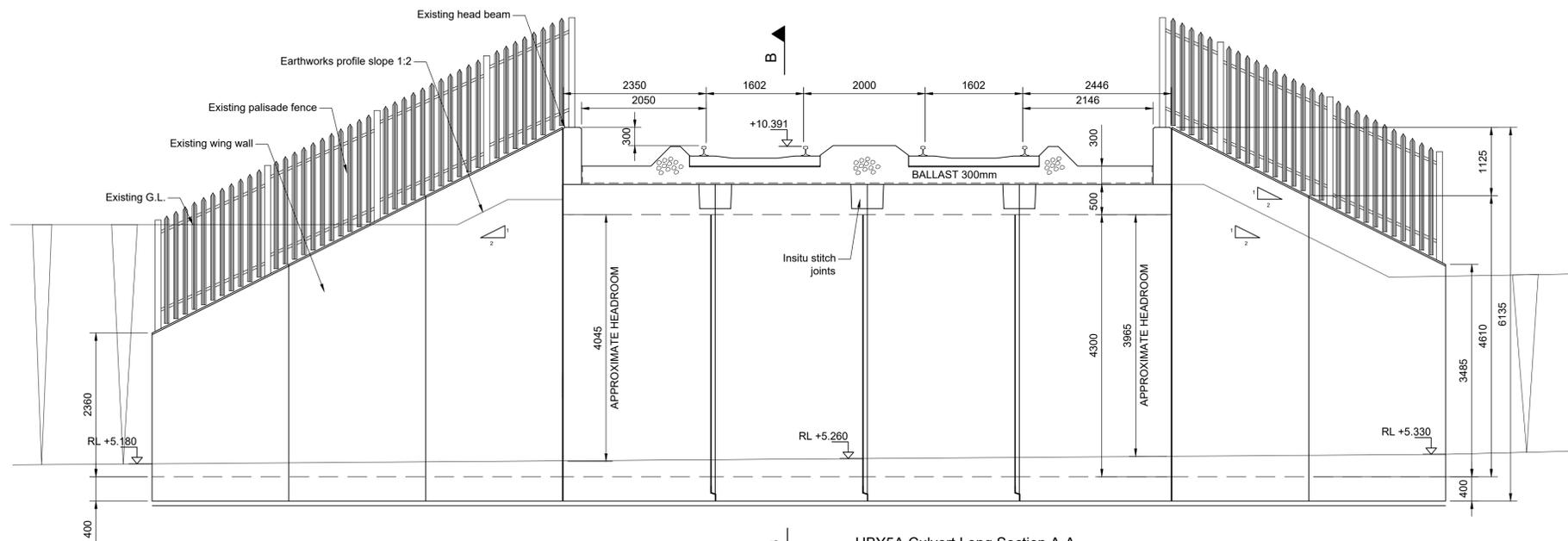
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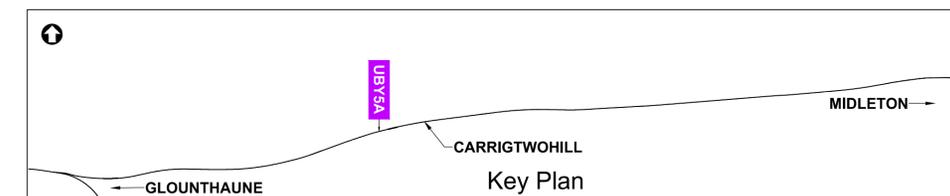
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UB5A Culvert Cross Section B-B
1:50 @ A1
1:100 @ A3



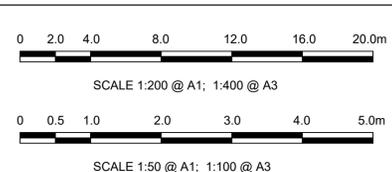
UB5A Culvert Long Section A-A
1:50 @ A1
1:100 @ A3



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	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
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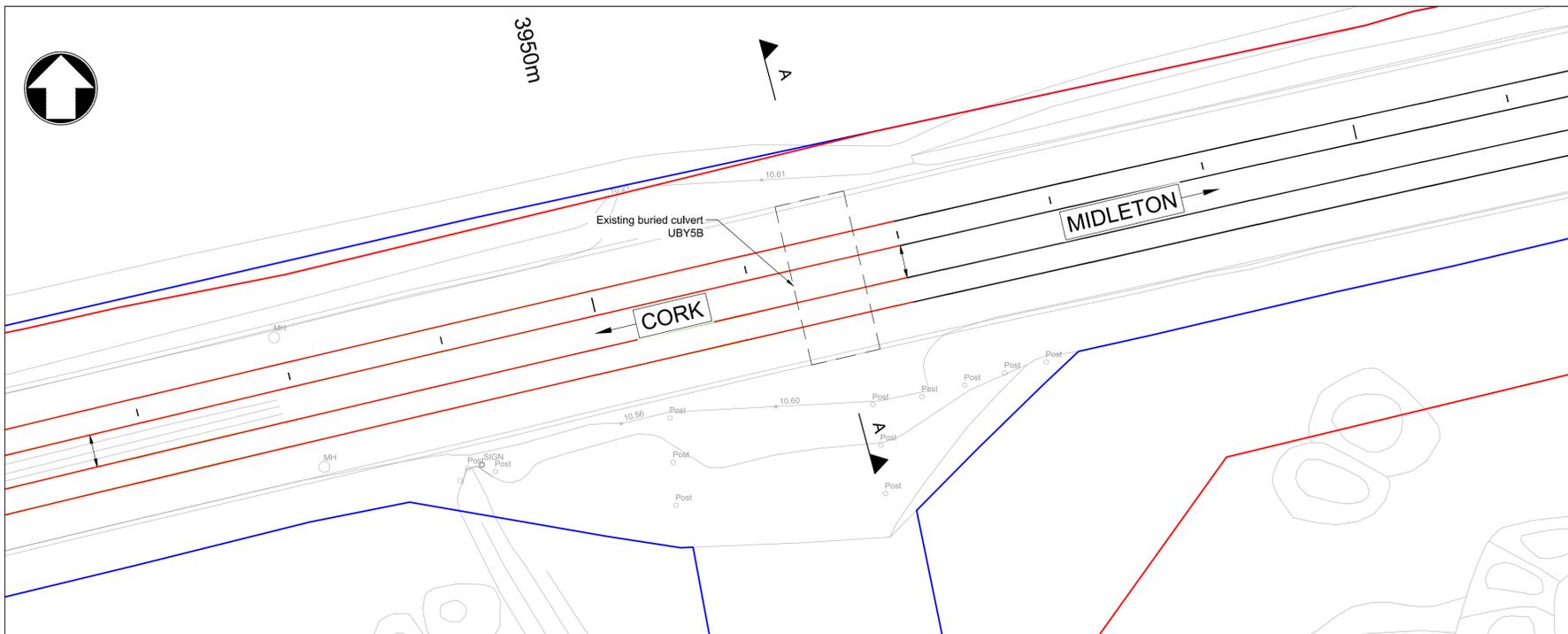
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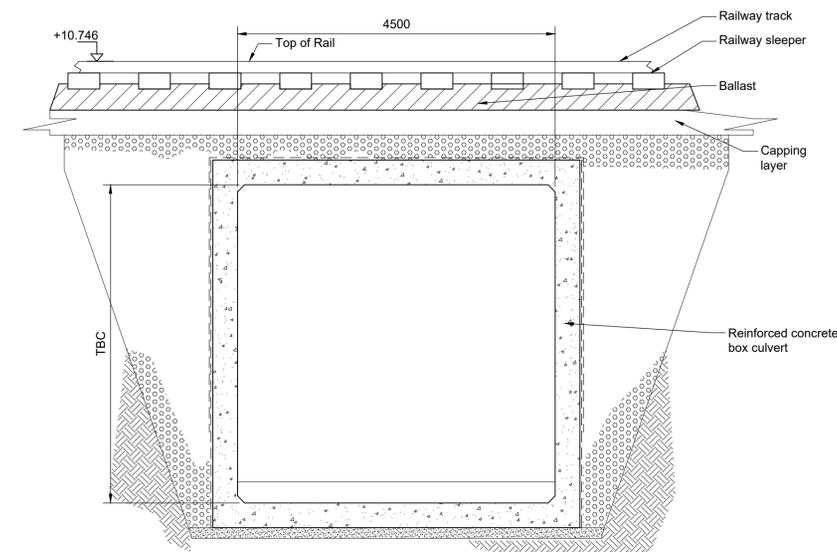
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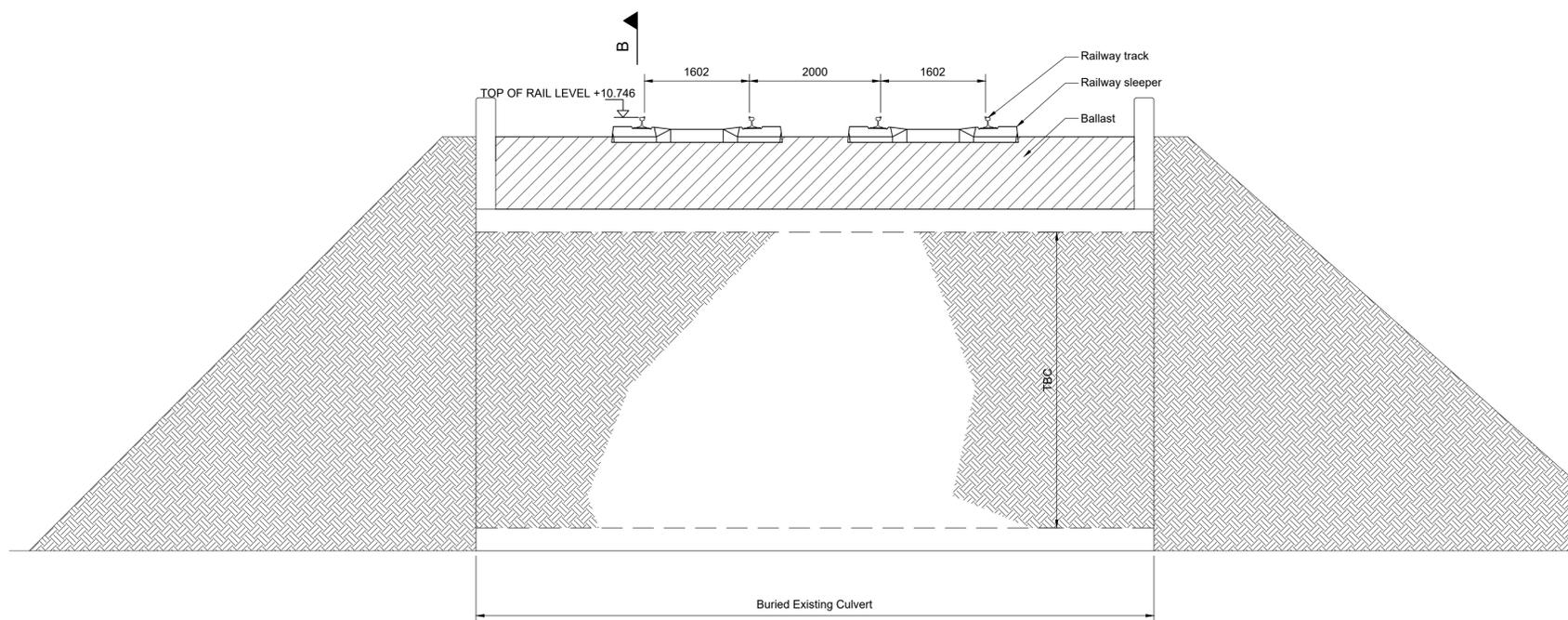
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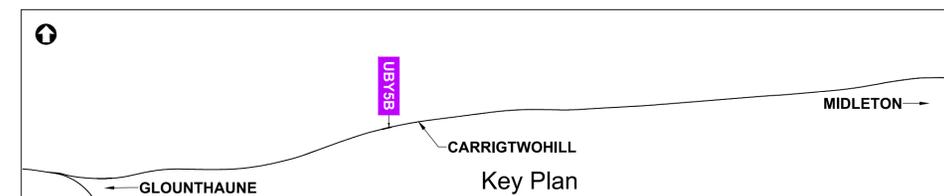
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UB5B Culvert Cross Section B-B
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1:100 @ A3



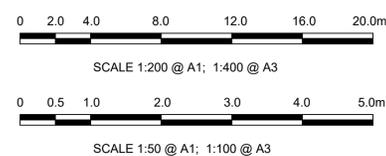
UB5B Culvert Long Section A-A
1:50 @ A1
1:100 @ A3



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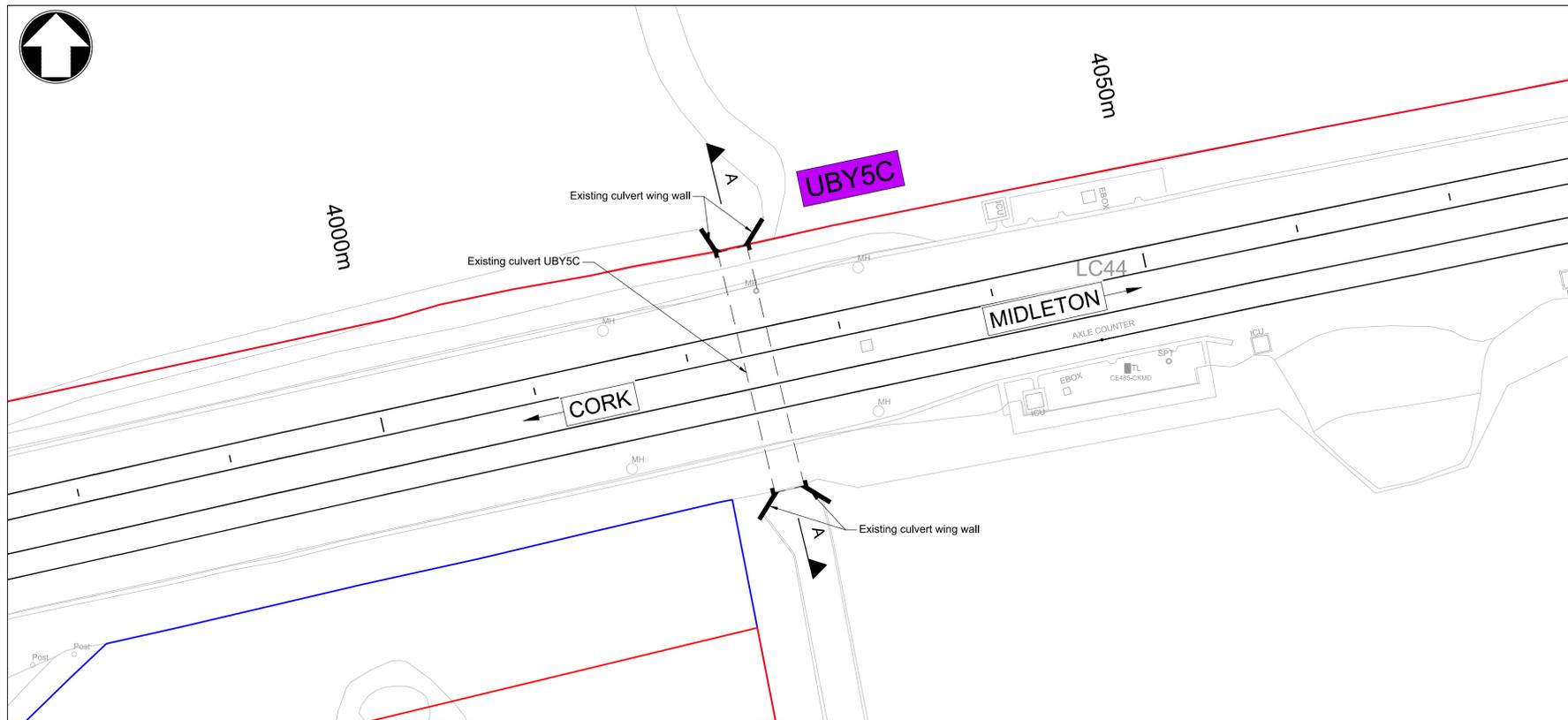


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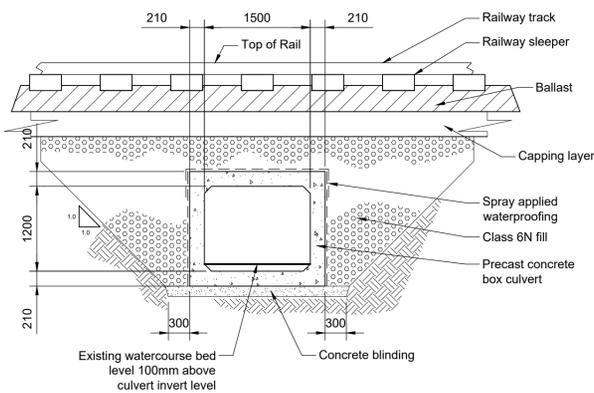
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Date	23/09/22	Designed	R.SEXTON	Drawn	R.SEWARD
		Dwg check	R.SEXTON	Eng check	N.SAMACHETTY

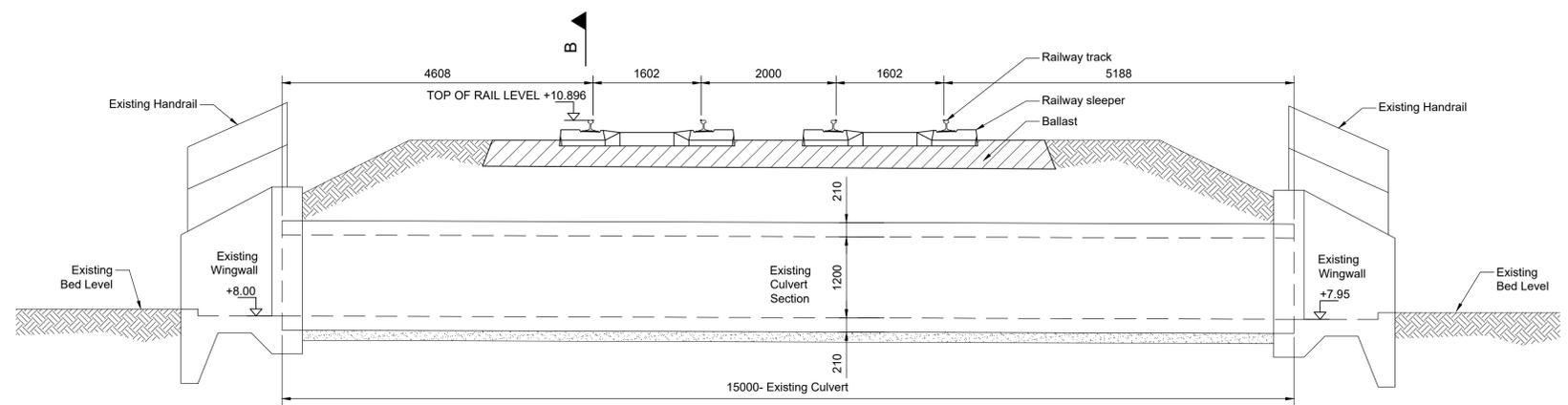
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Drawing Title EXISTING CULVERT UB5B CH3965 PLAN, SECTION & ELEVATION	
Drawing File Name C745-WP3 04-XX-XX-XXX-DR-MMD-SE-0300	Sheet 21 of 26
Coordination N.SAMACHETTY	Approved J.MCINERNEY
Scale @A1: AS SHOWN	Acceptance S
Scale @A3: AS SHOWN	Purpose P3
	Rev P01



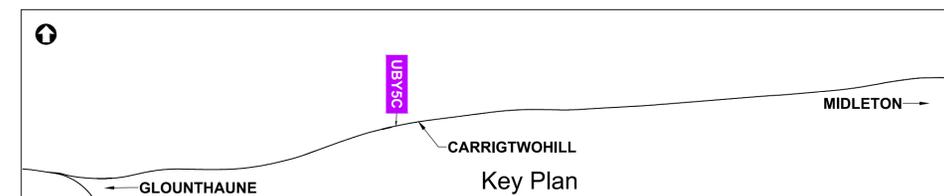
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1:400 @ A3



UB5C Culvert Cross Section B-B
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1:100 @ A3



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

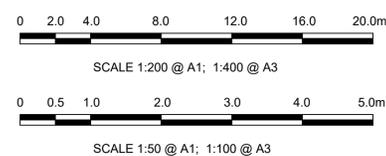


Key Plan

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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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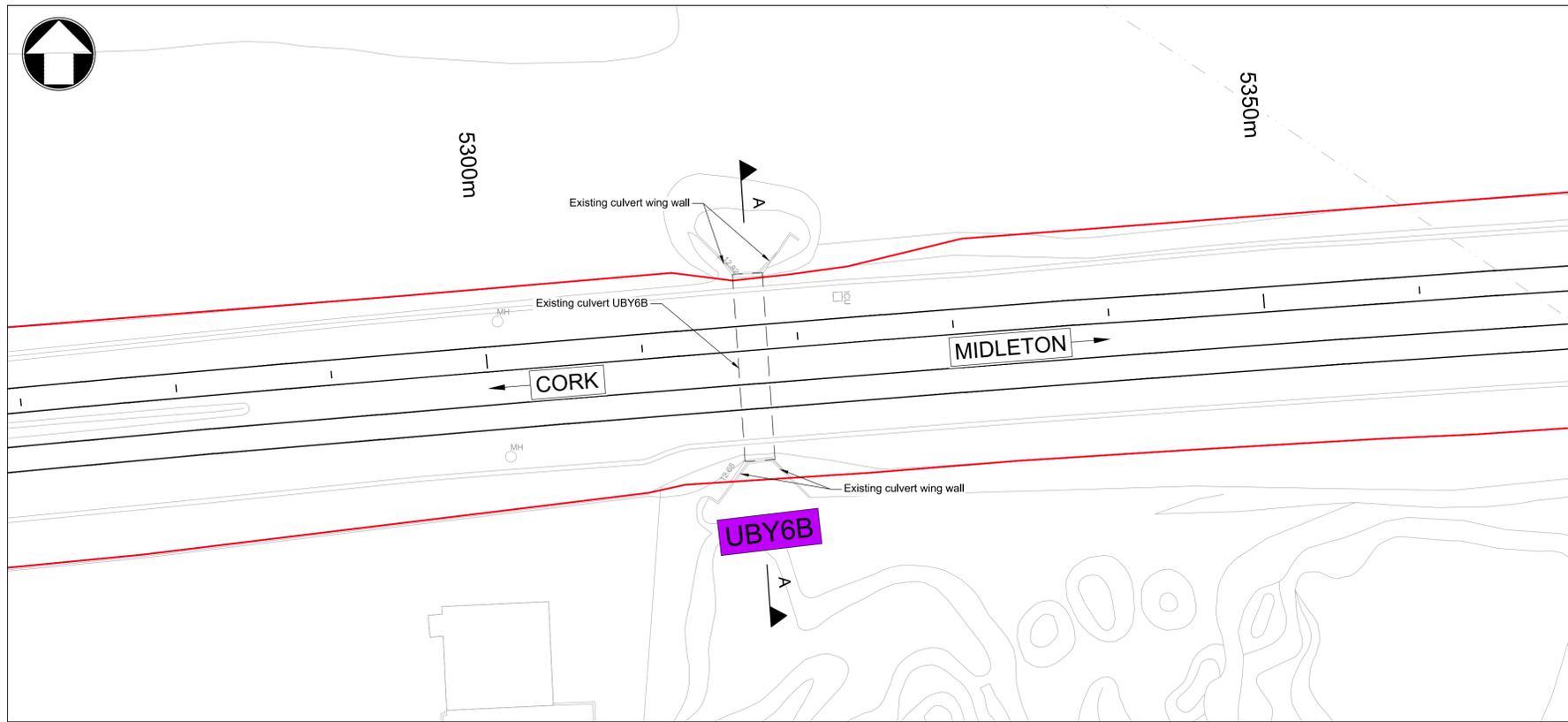


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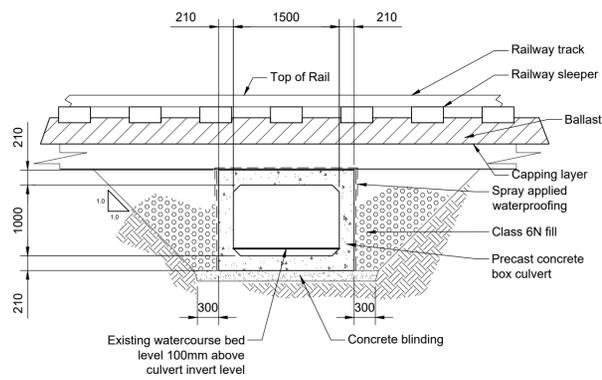
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Date	Designed	Drawn	Eng Check	Appr	Description
23/09/22	R.SEXTON	R.SEWARD	R.SEXTON	N.SAMACHETTY	PLANNING ISSUE

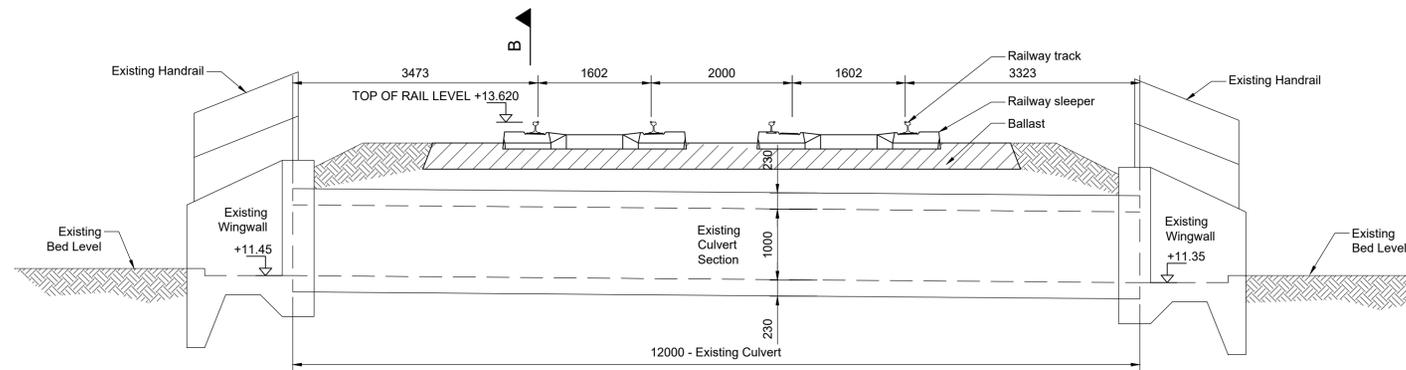
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Drawing Title EXISTING CULVERT UB5C CH4024 PLAN, SECTION & ELEVATION	
Drawing File Name C745-WP3_04-XX-XX-XXX-DR-MMD-SE-0310	Sheet 22 of 26
Coordination N.SAMACHETTY	Approved J.MCINERNEY
Scale @A1: AS SHOWN	Scale @A3: AS SHOWN
Acceptance S	Purpose P3
Rev P01	



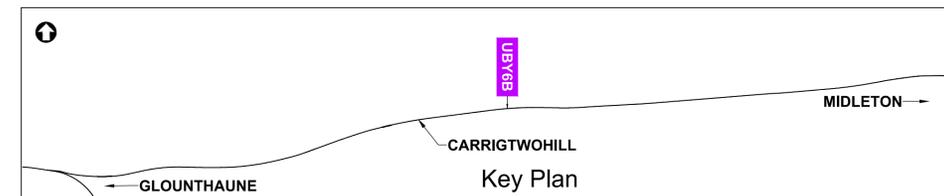
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UB6B Culvert Cross Section B-B
1:50 @ A1
1:100 @ A3



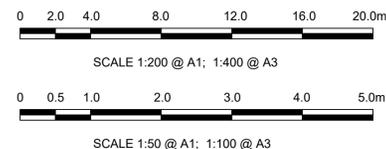
UB6B Culvert Long Section A-A
1:50 @ A1
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LEGEND

	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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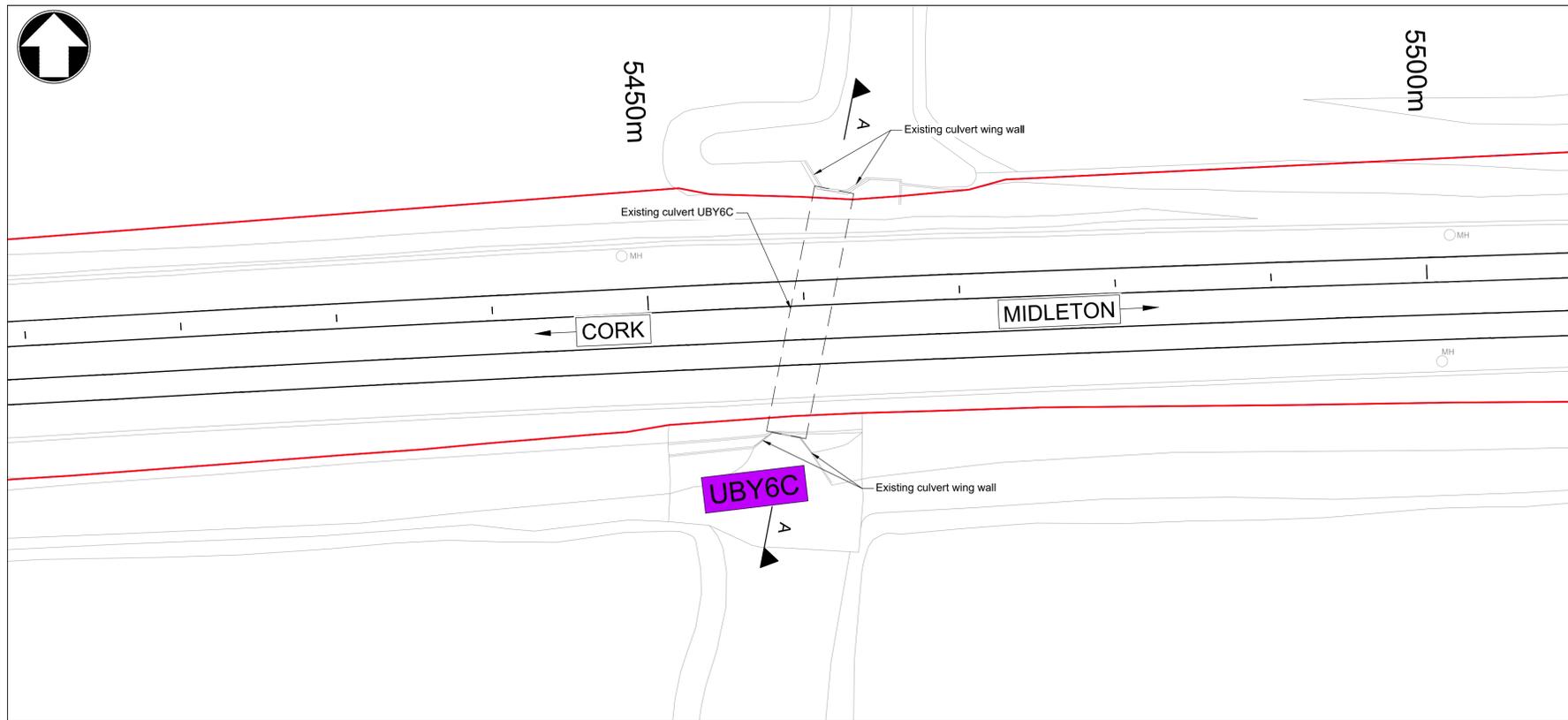
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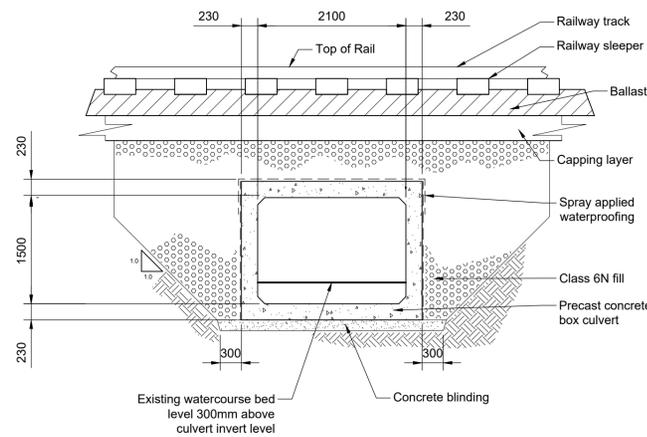
Rev	Date	Drawn	Eng Check	Appr	Description
P01	23/09/22	RS	NS	JM	PLANNING ISSUE

Date	23/09/22	Designed	R.SEXTON	Drawn	R.SEWARD	Dwg check	R.SEXTON	Eng check	N.SAMACHETTY
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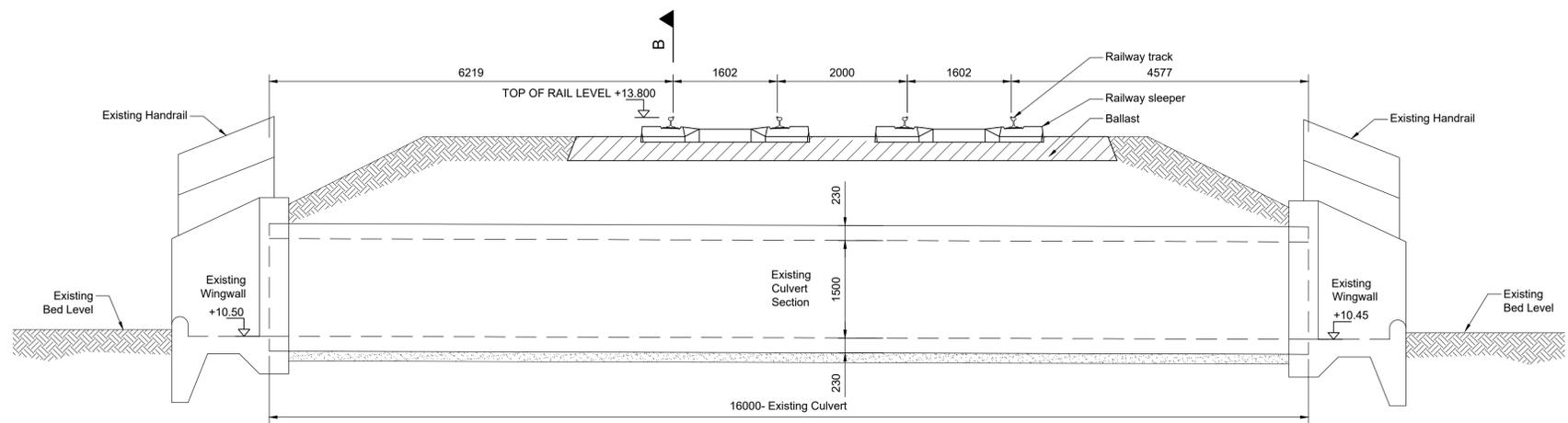
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Drawing Title		EXISTING CULVERT UB6B CH5317 PLAN, SECTION & ELEVATION	
Drawing File Name	C745-WP3_04-XX-XX-XXX-DR-MMD-SE-0330	Sheet	24 of 26
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1:	AS SHOWN	Acceptance	S
Scale @A3:	AS SHOWN	Purpose	P3
		Rev	P01



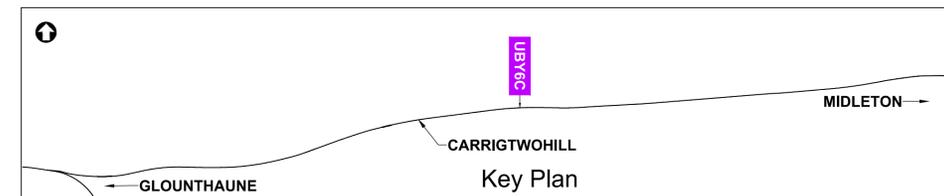
Plan
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UB6C Culvert Cross Section B-B
1:50 @ A1
1:100 @ A3



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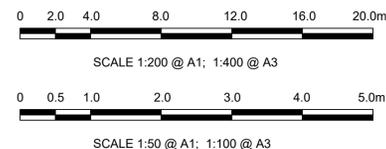


Key Plan

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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
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Rev	Date	Drawn	Eng Check	Appr	Description
P01	23/09/22	RS	NS	JM	PLANNING ISSUE

Date	23/09/22	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 UB6C CH5460 PLAN, SECTION & ELEVATION	
Drawing File Name	C745-WP3_04-XX-XX-XXX-DR-MMD-SE-0340	Sheet	25 of 26
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1: AS SHOWN	Scale @A3: AS SHOWN	Acceptance	S
Purpose	P3	Rev	P01

