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STRUCTURES PLANS

DRAWING TITLE

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Ardaitheoir STRUCTURES PLANS. TITLE SHEET AND KEY PLAN EXISTING OVERBRIDGE OBY1A. CH611 GLOUNTHAUNE, PLAN, SECTION & DETAILS Lift EXISTING OVERBRIDGE OBY1. CH1663 KILLACLOYNE BRIDGE, PLAN, SECTION & DETAILS EXISTING OVERBRIDGE OBY2. CH1972 MALY'S BRIDGE KILLACLOYNE, PLAN, SECTION & DETAILS OF COME. 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 UBY11. 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 615 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 Maoinithe ag an larnród Éireann Irish Rail Aontas Eorpach Funded by the **European Union** NextGenerationEU Carrigane Poulaniska Ballyrich Gortnamucky Disused R. Ballyadam 0 Gortagousta © Ordnance Survey Ireland/Government of Ireland. Ordnance Survey Ireland Licence Number 2022/OSi_NMA_180 National Transport Authority. Client larnród Eireann-Irish Rail **Connolly Station** Amiens Street Dublin 1 D01 V6V6 larnród Éireann CIE ish Rai 5 Eastgate Avenue Eastgate IV NS PHASE 3: PRELIMINARY DESIGN Little Island Cork Description rawn Eng App Ireland Check

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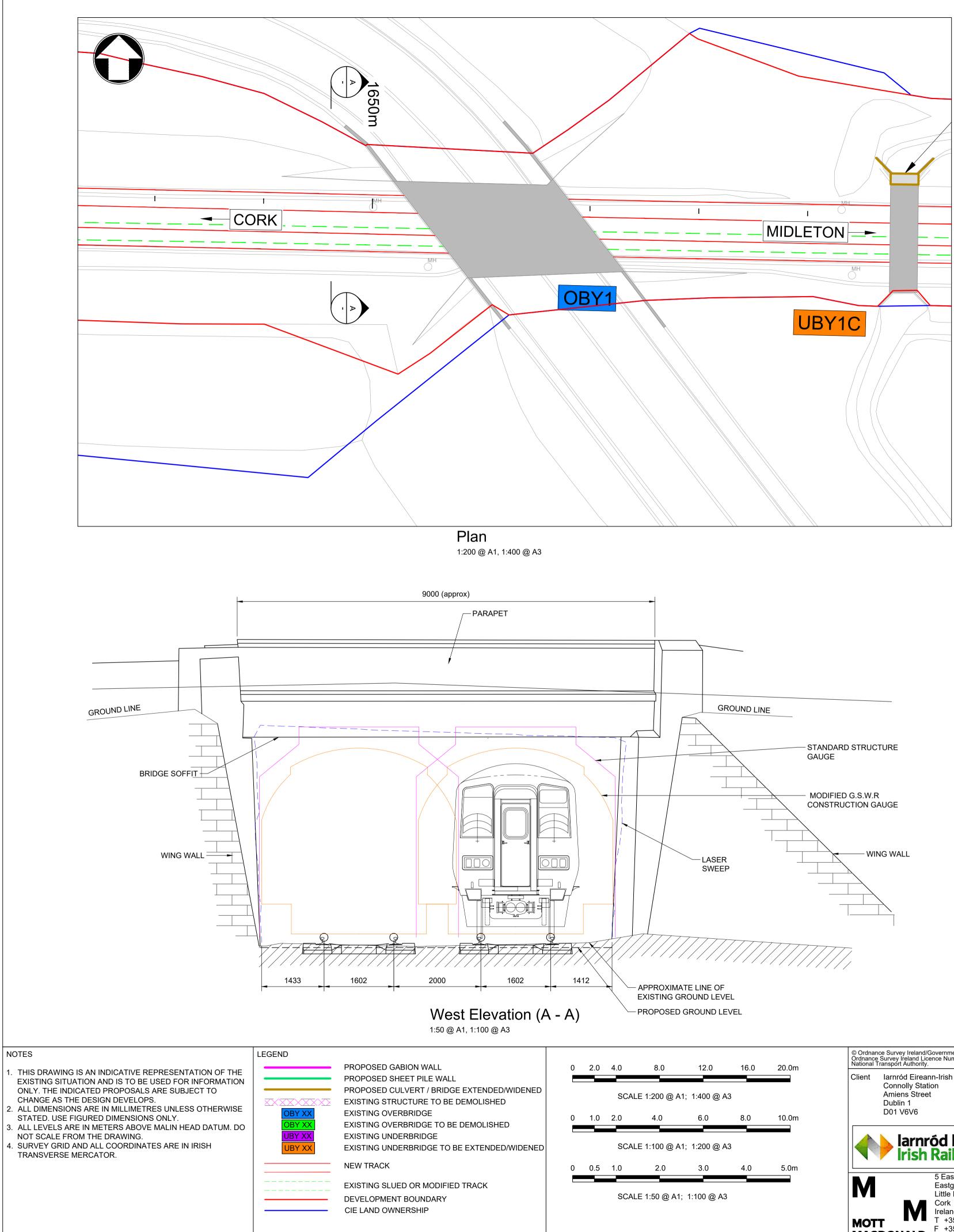
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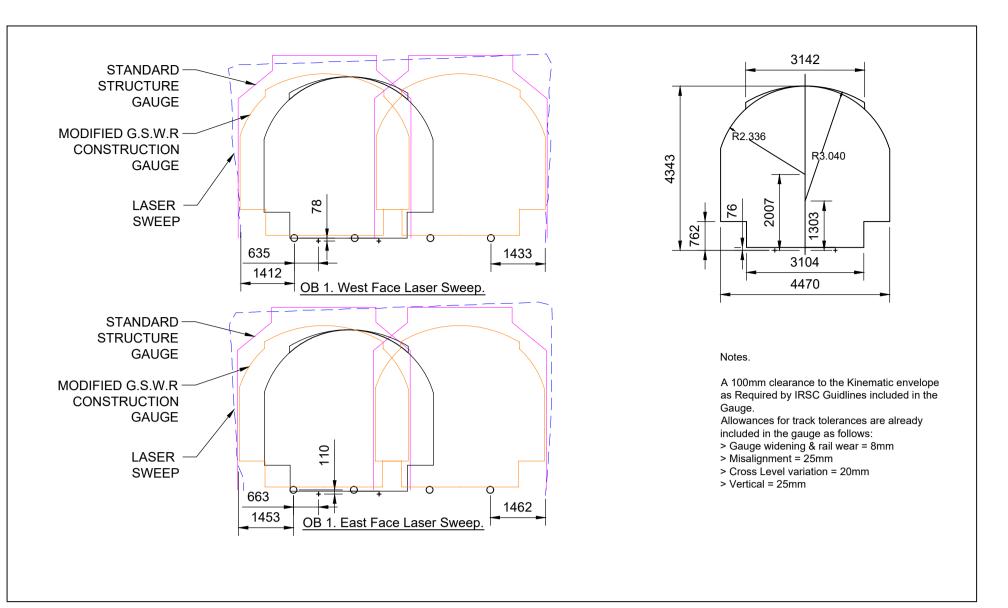
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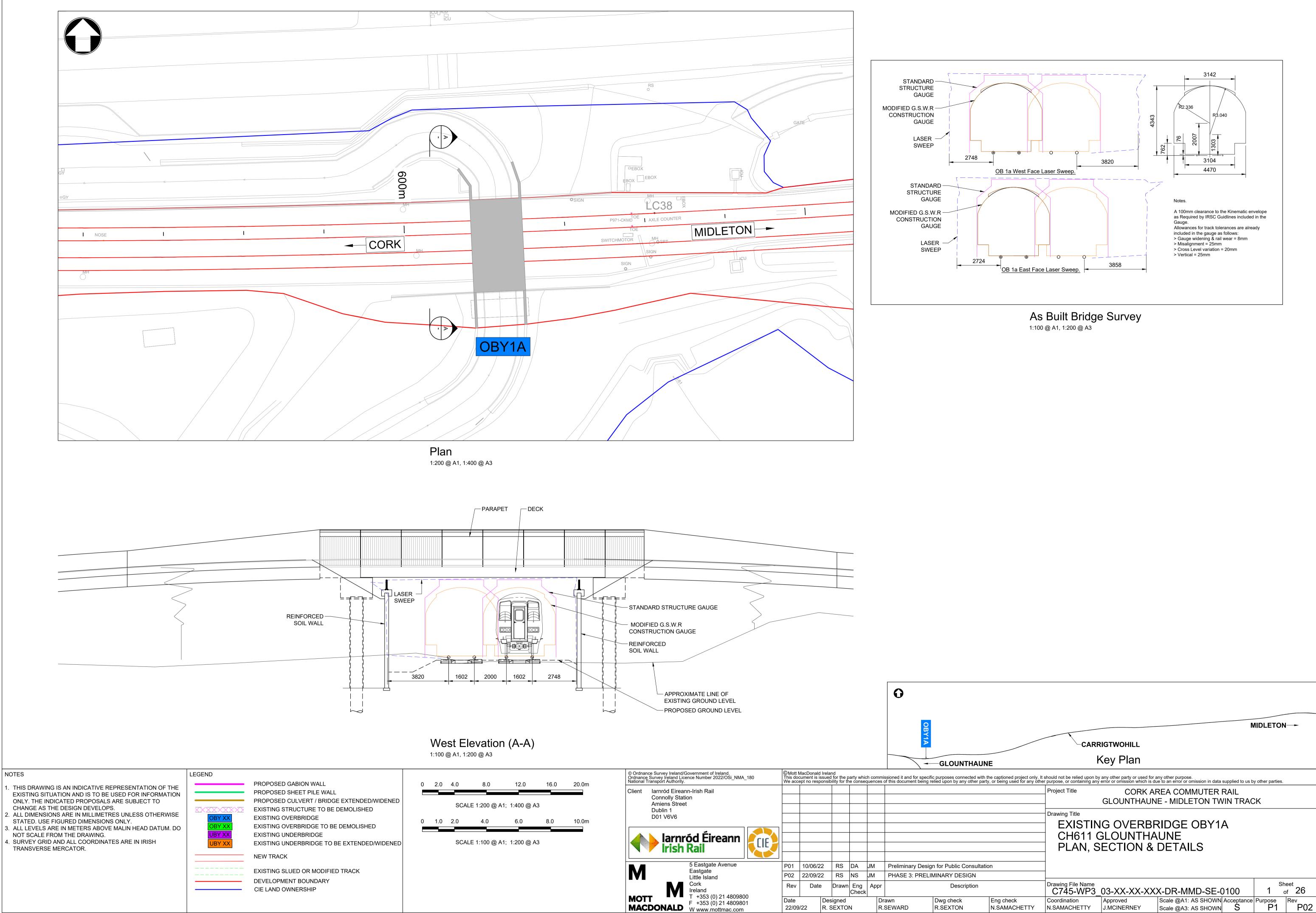




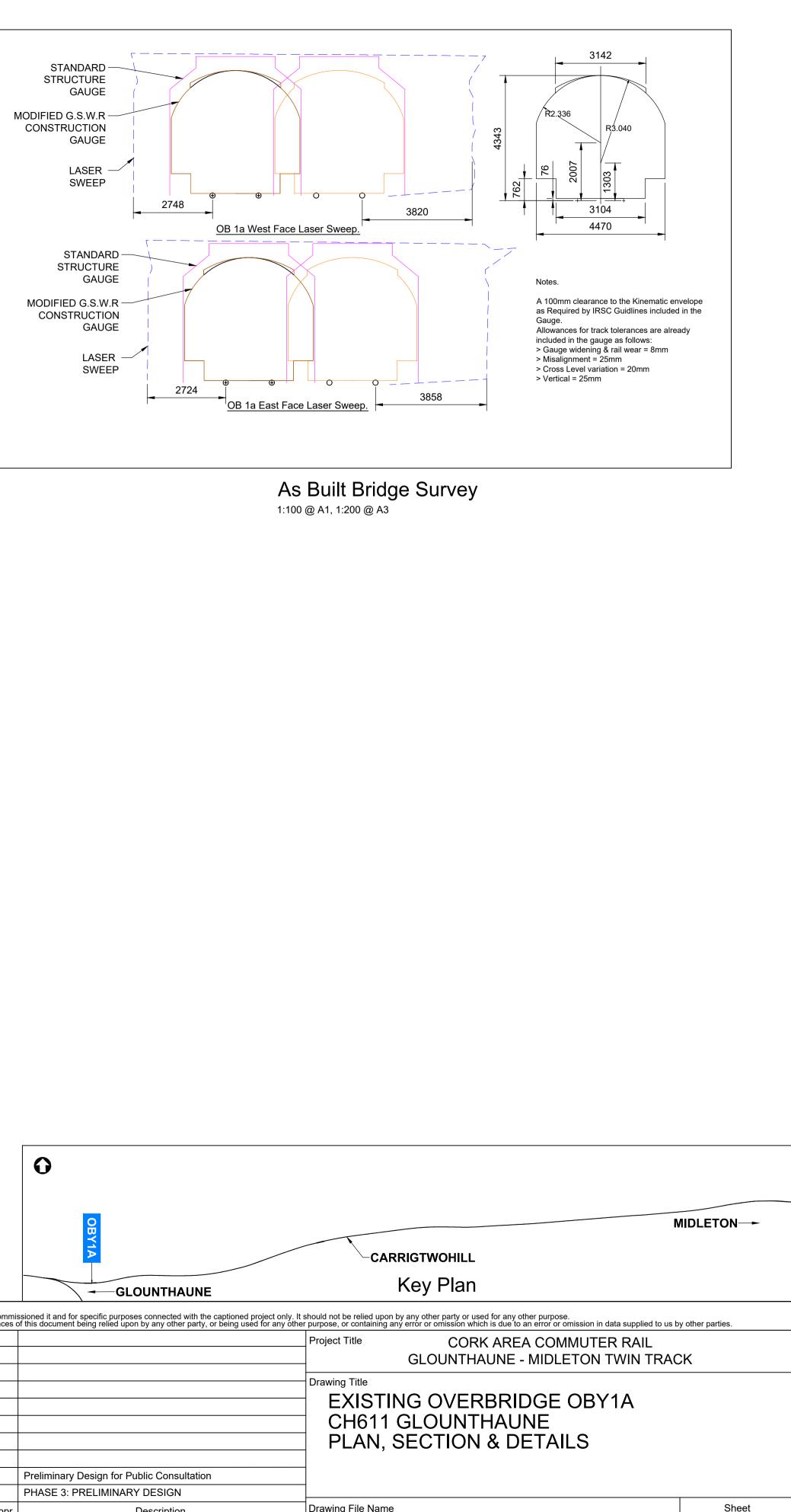
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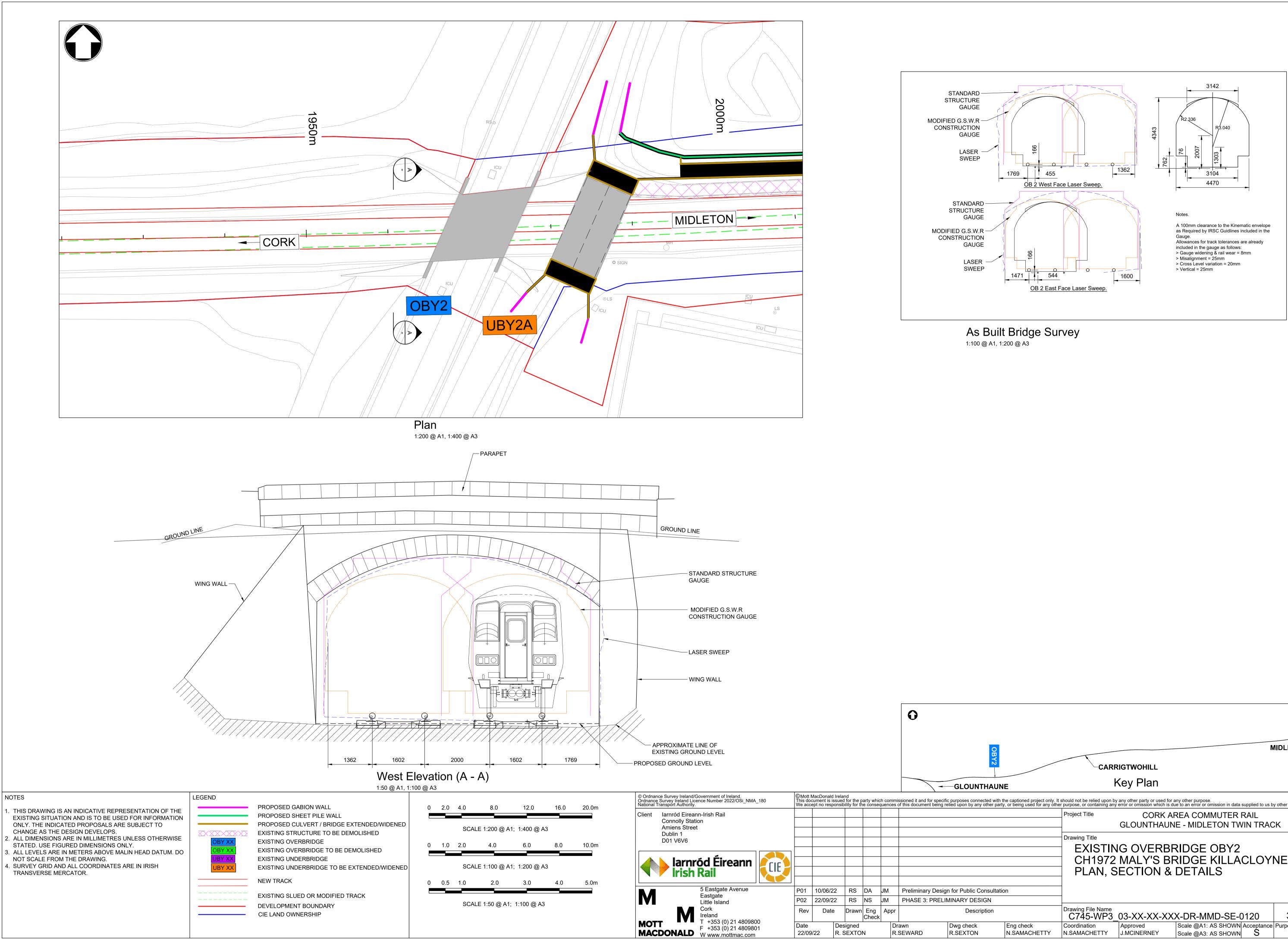
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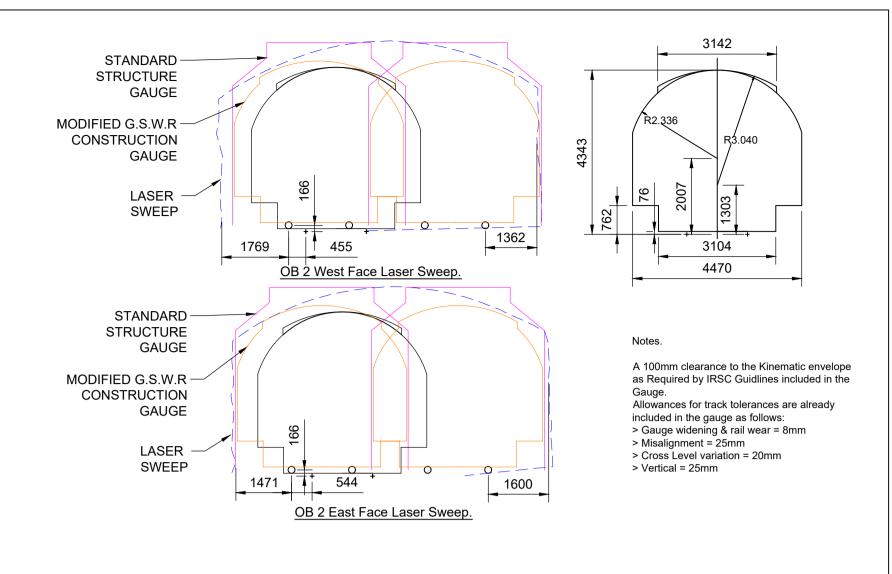
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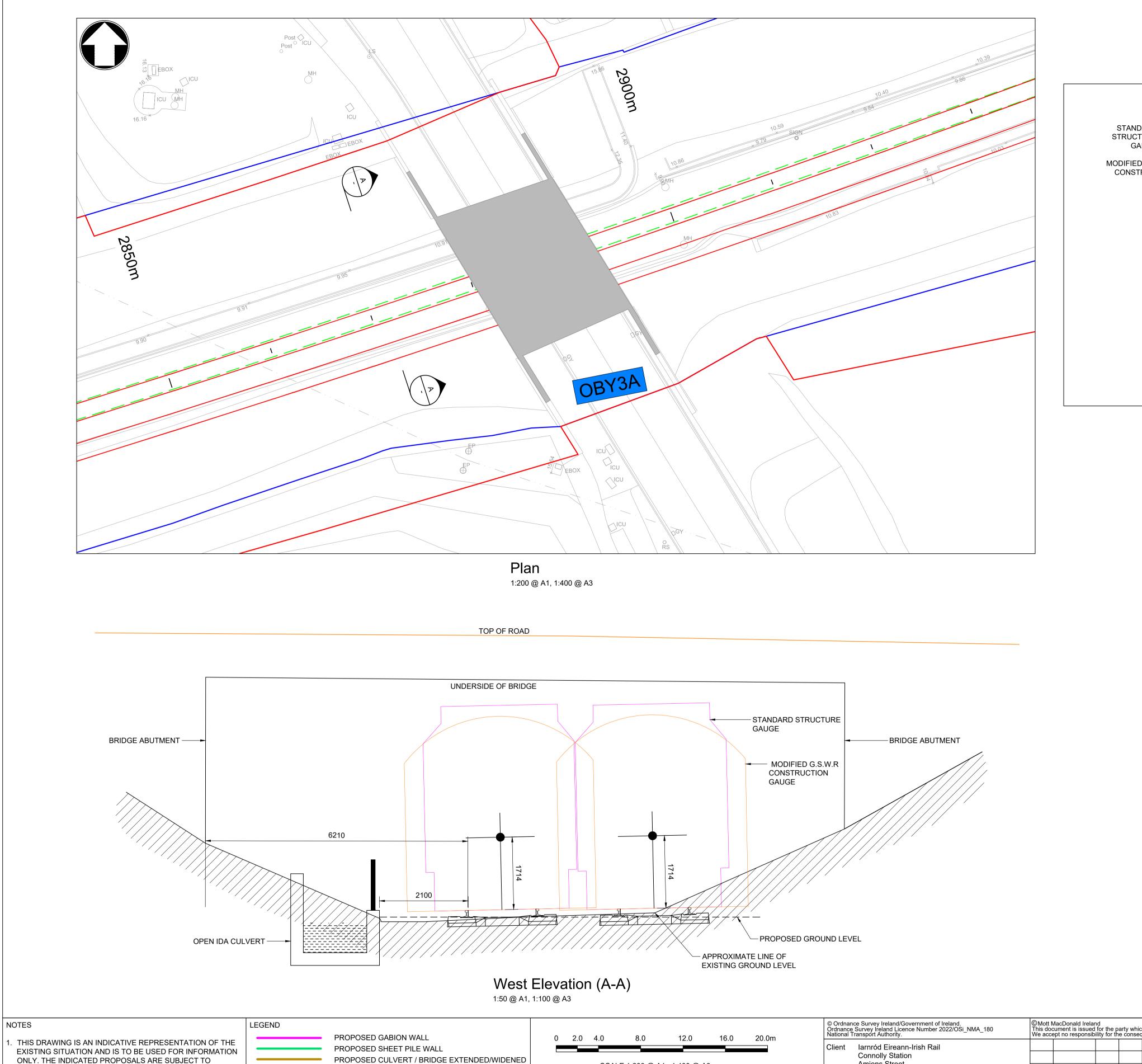
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- . SURVEY GRID AND ALL COORDINATES ARE IN IRISH TRANSVERSE MERCATOR.

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EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED

NEW TRACK

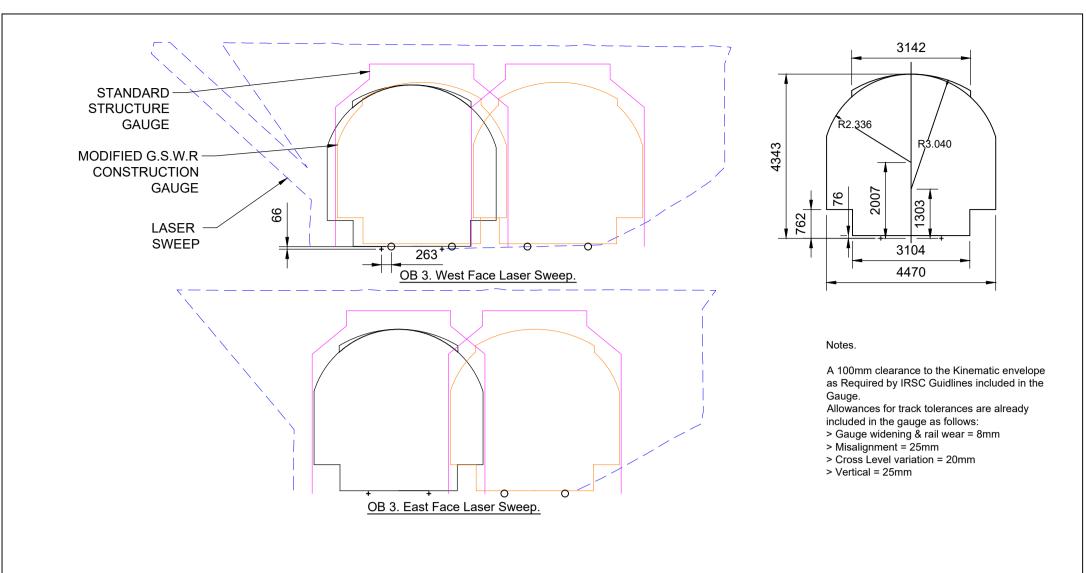
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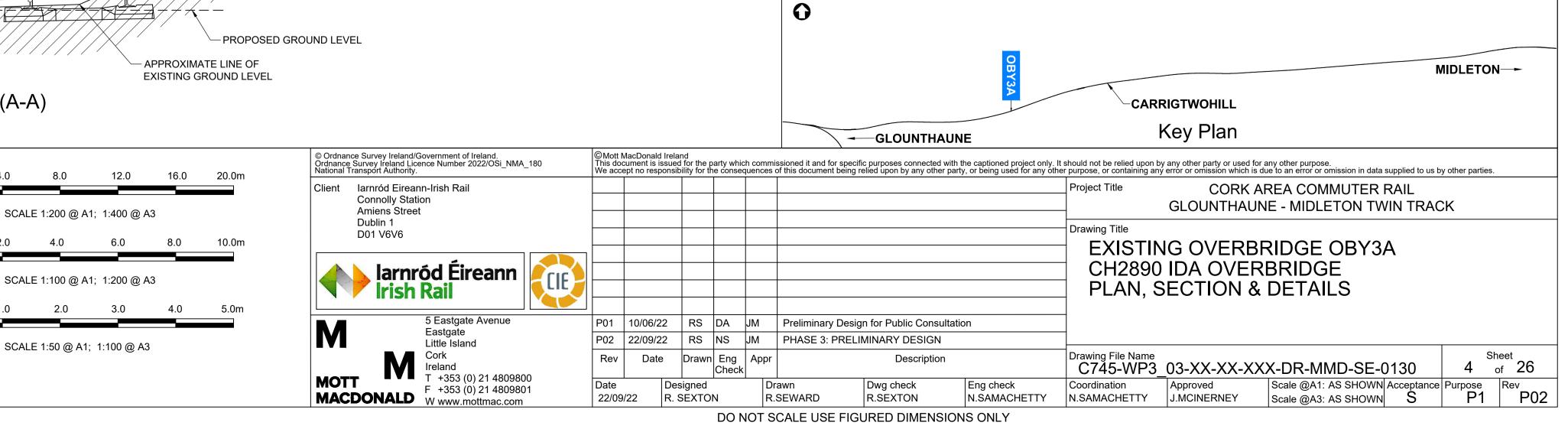
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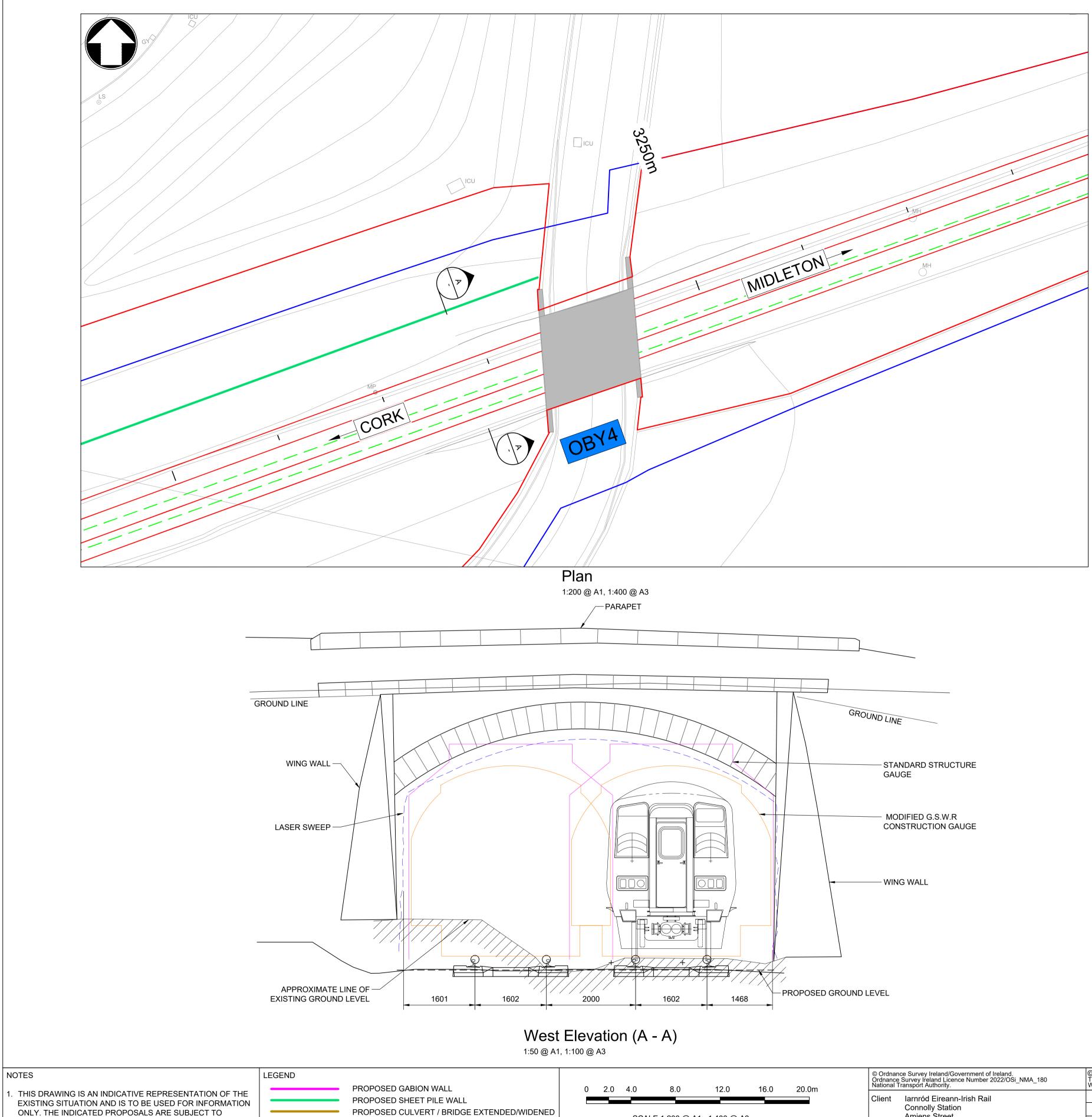
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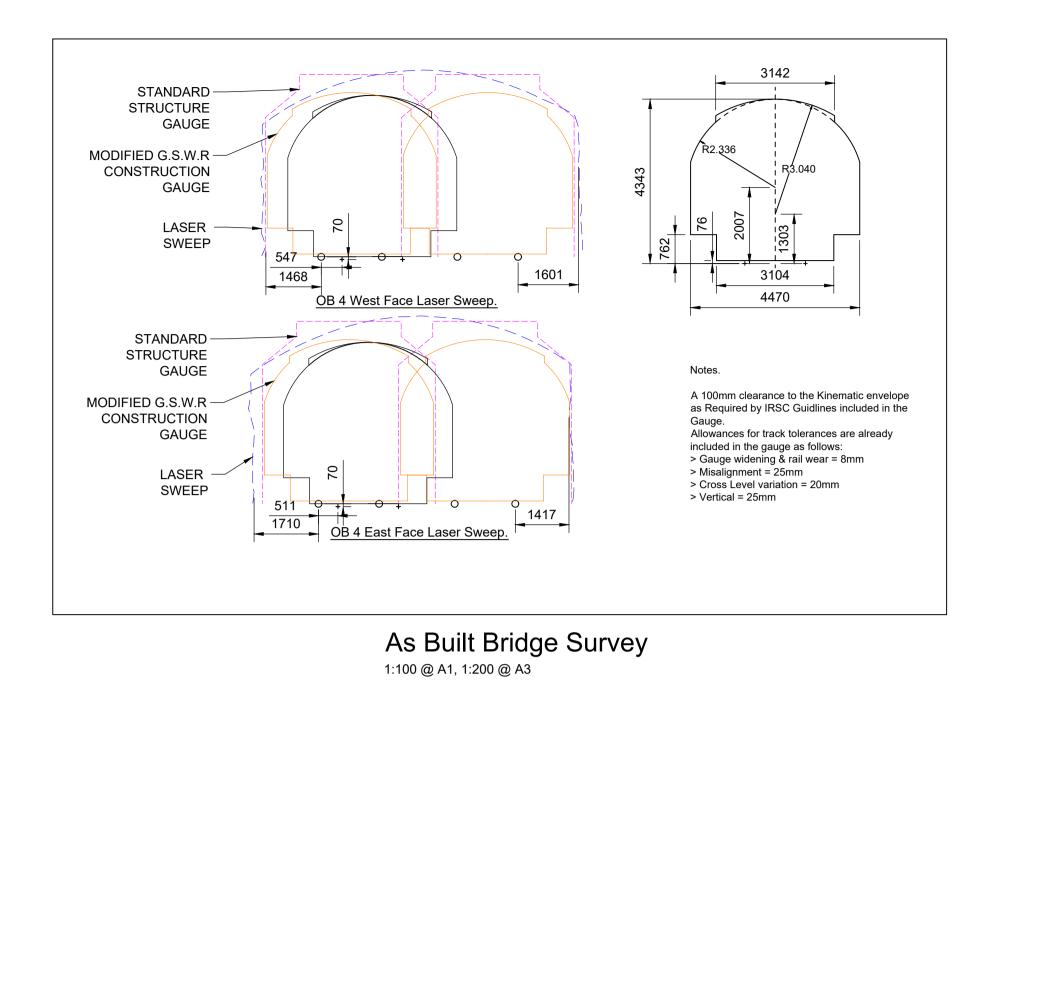
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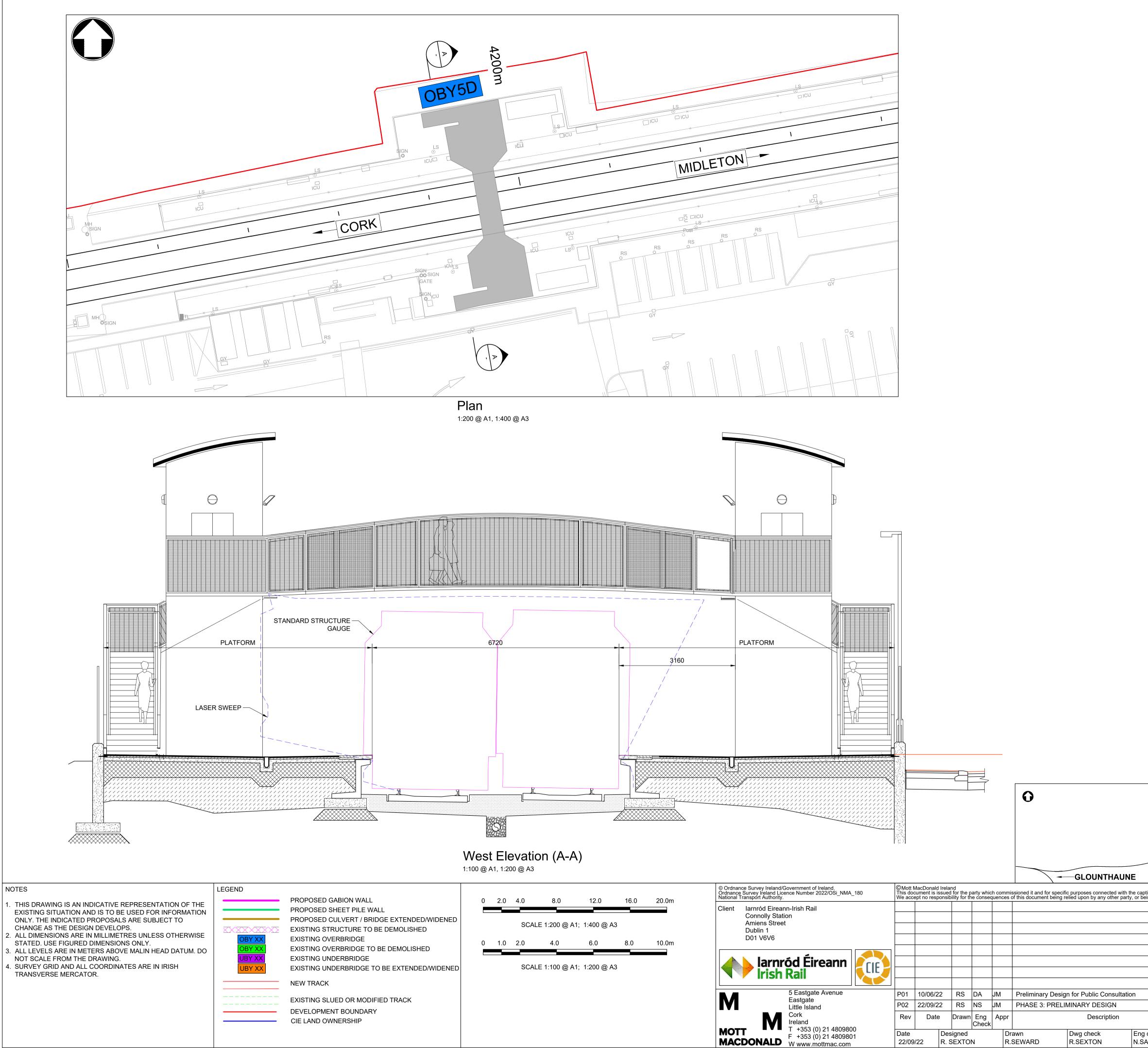
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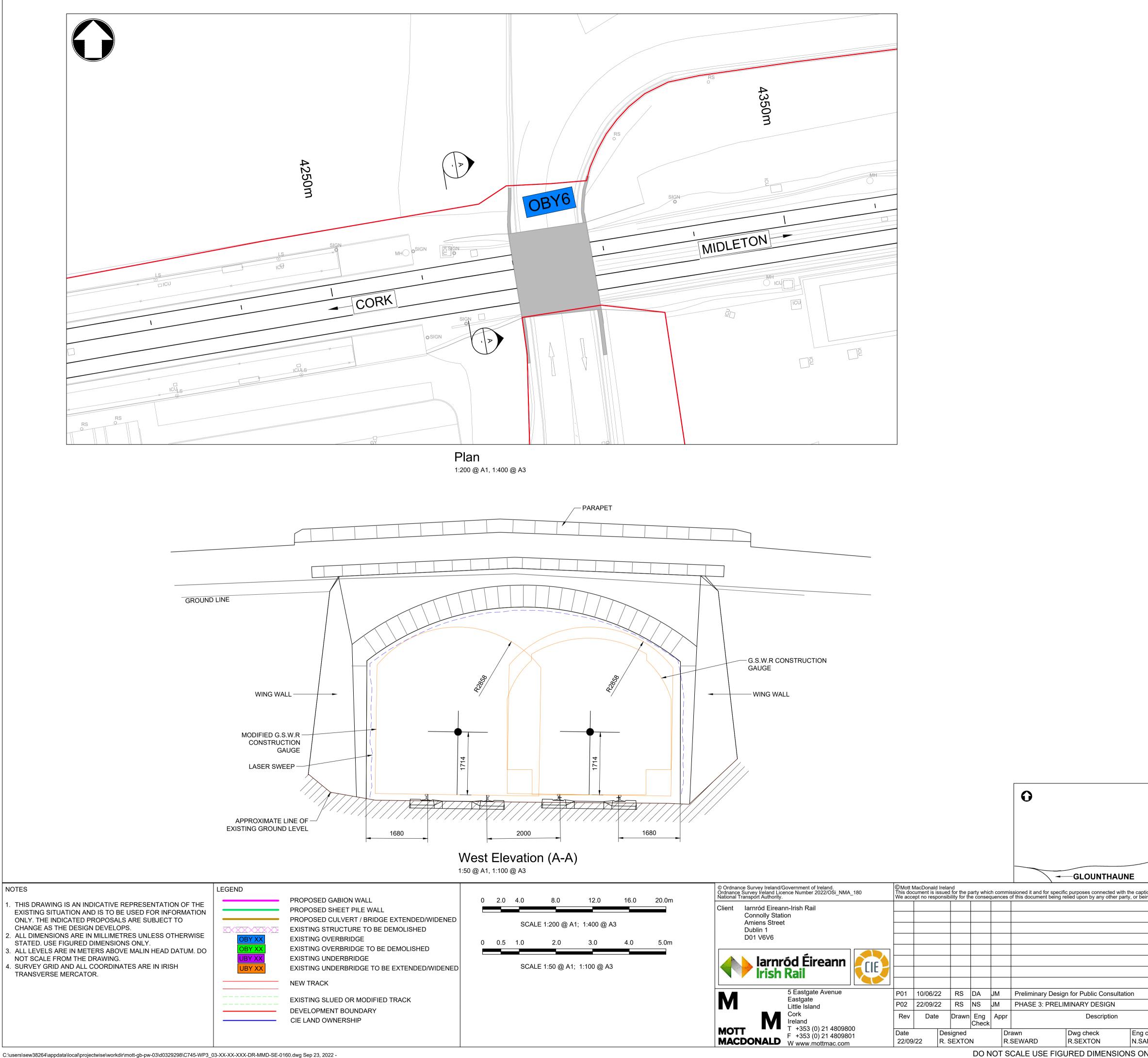
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SCALE 1:200 @ A1: 1:400 @ A3 Client Iarnród Eireann-Irish Rail		Project Title CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK
Dublin 1 2.0 4.0 6.0 8.0 10.0m		Drawing Title EXISTING OVERBRIDGE OBY4
SCALE 1:100 @ A1; 1:200 @ A3		CH3239 HERITAGE BRIDGE, WISE'S BRIDGE PLAN, SECTION & DETAILS
.0 2.0 3.0 4.0 5.0m	P01 10/06/22 RS DA JM Preliminary Design for Public Consultation	
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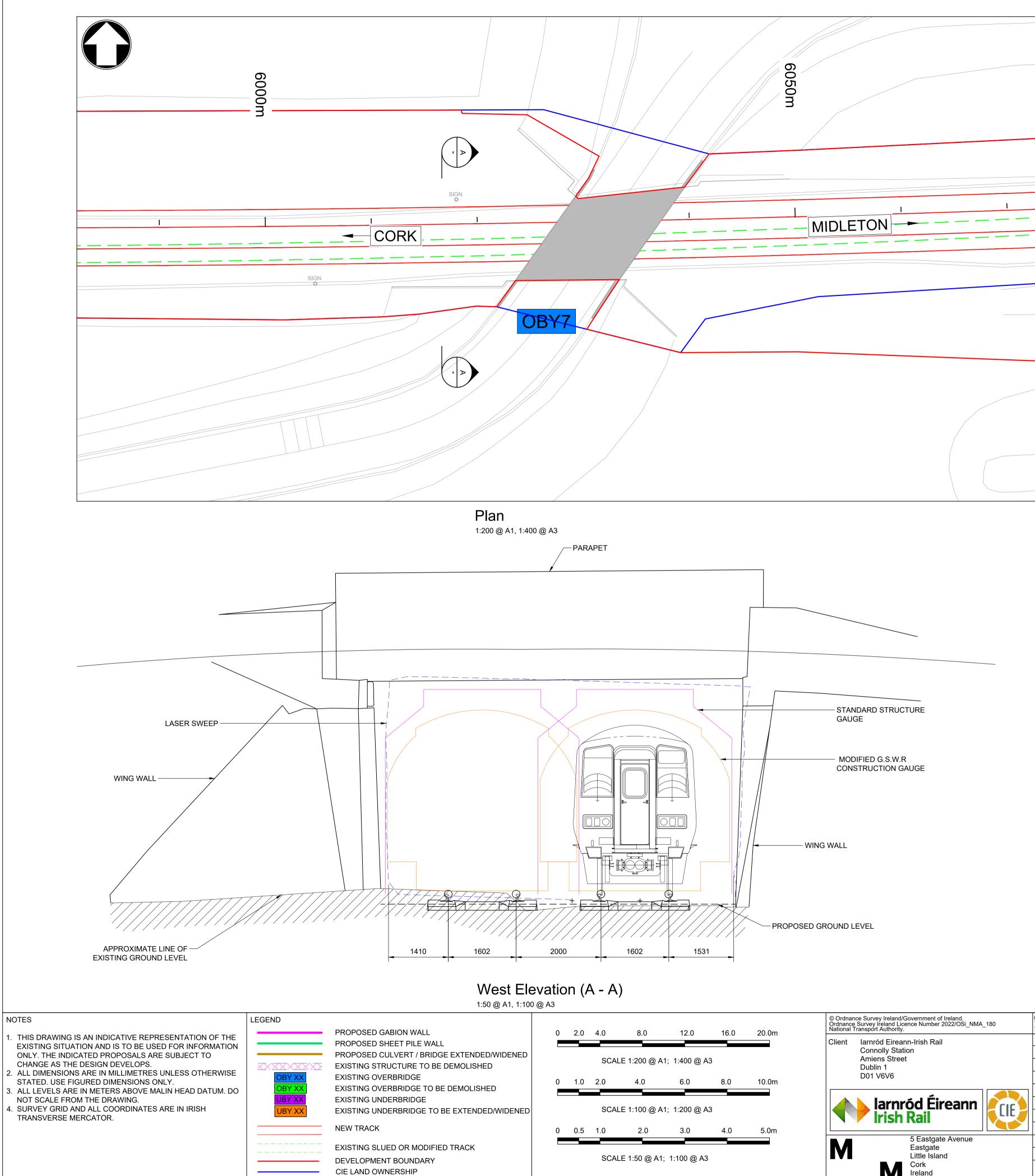
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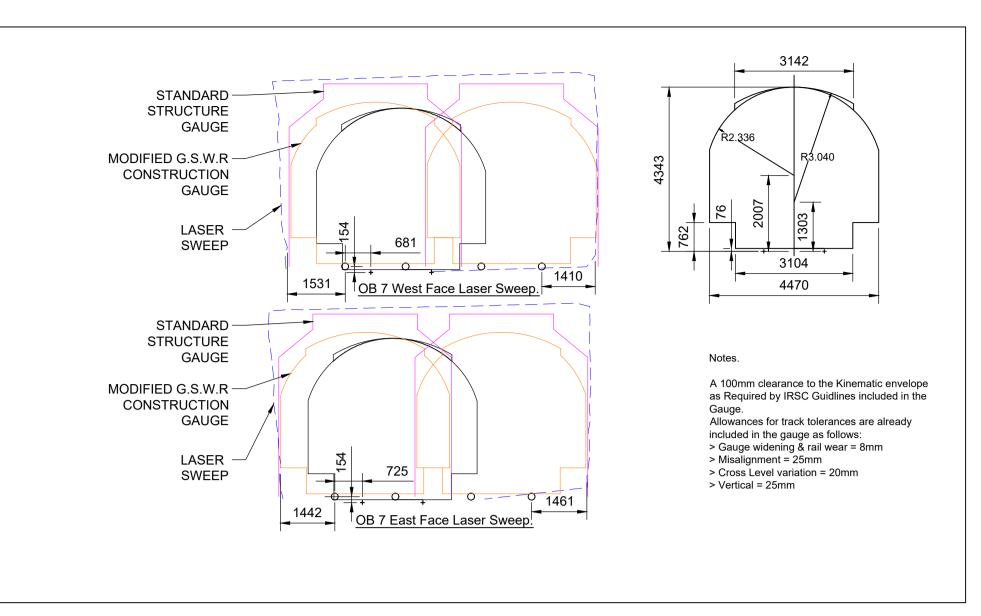
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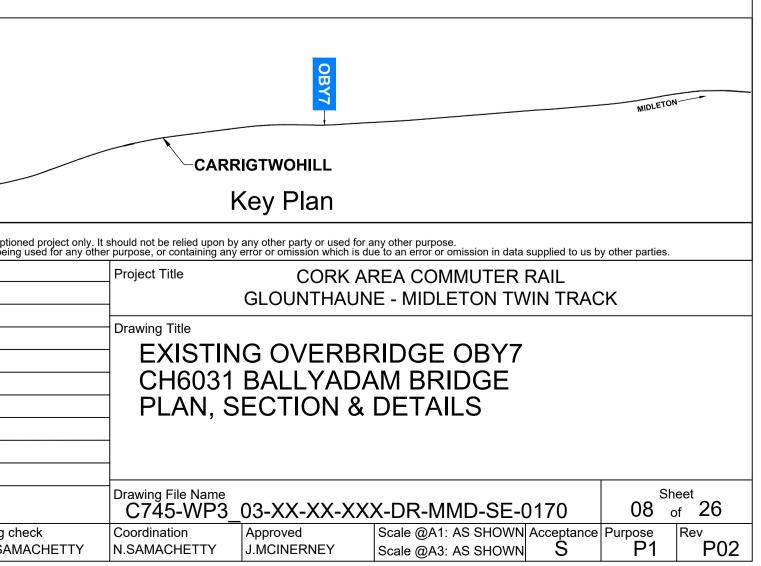


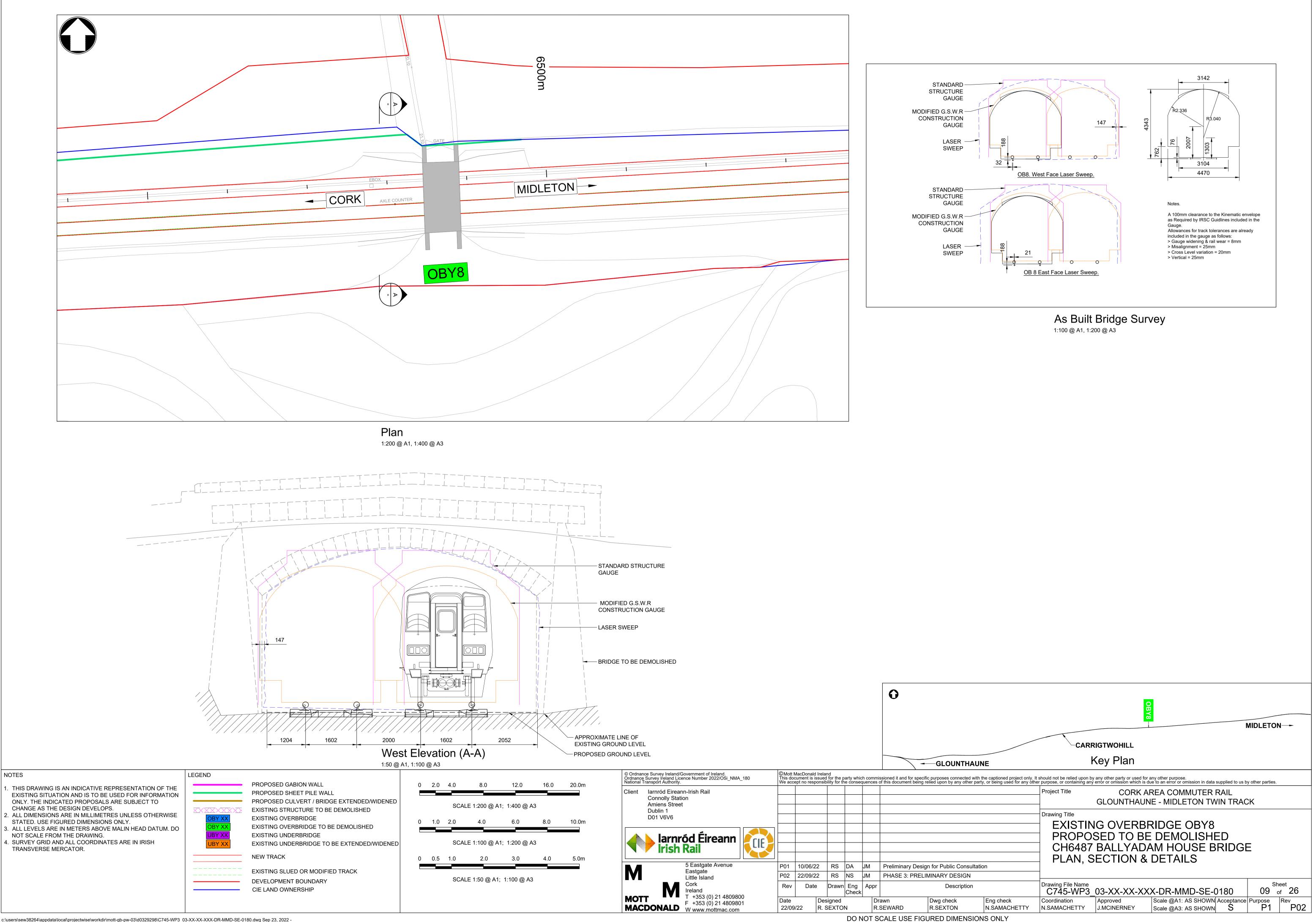


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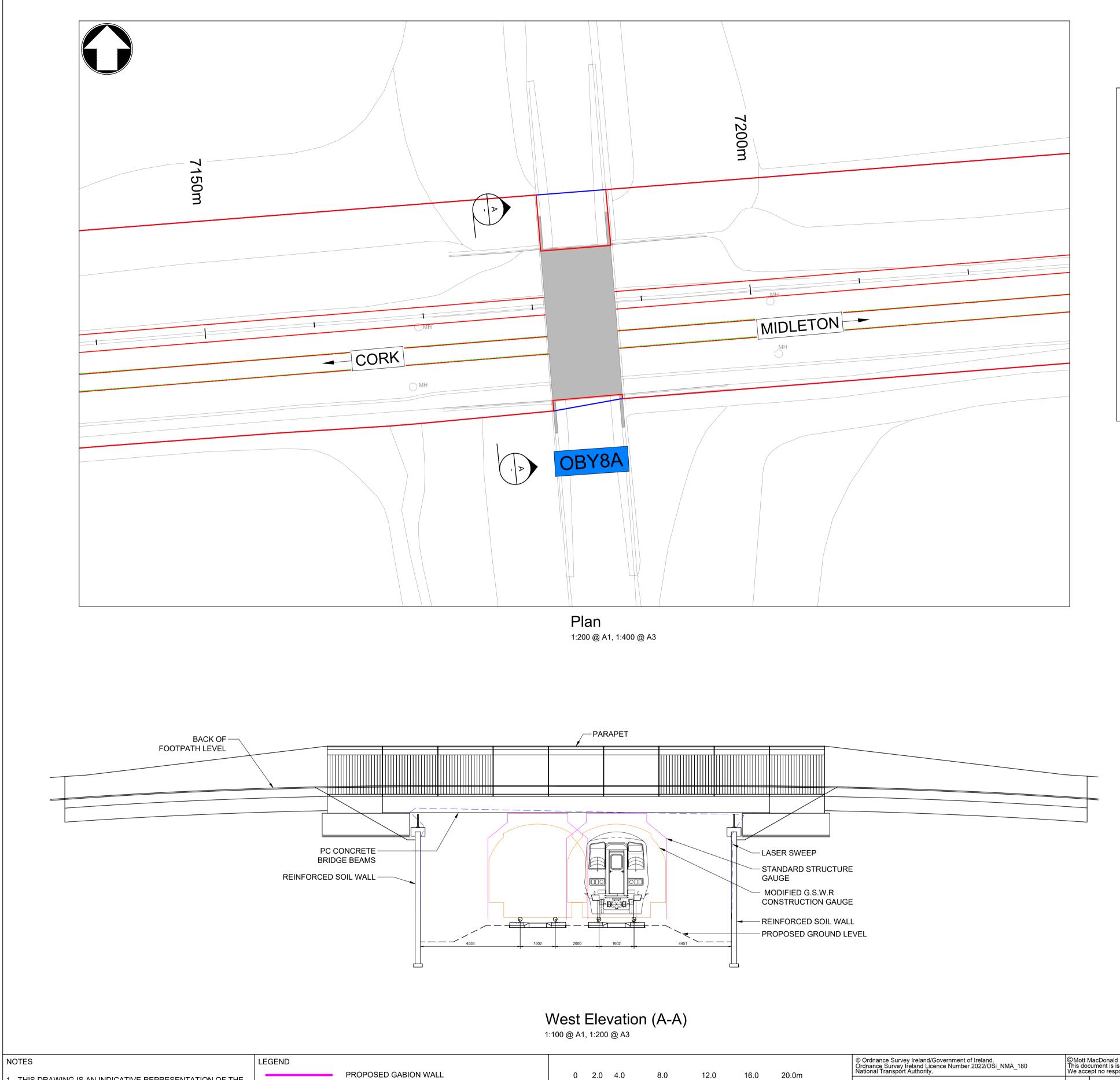
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As Built Bridge Survey 1:100 @ A1, 1:200 @ A3





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EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED NEW TRACK

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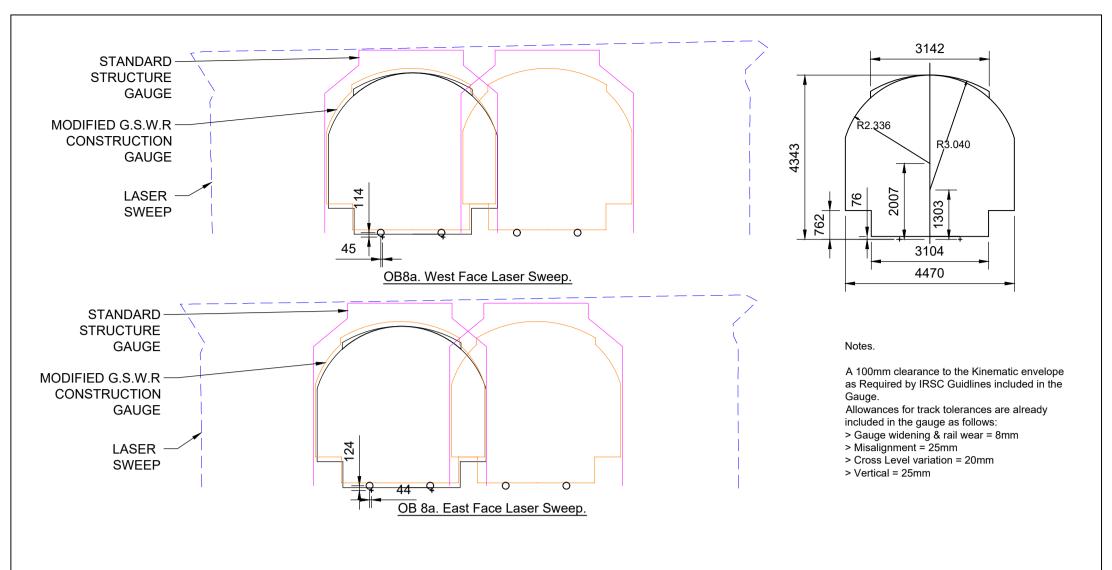
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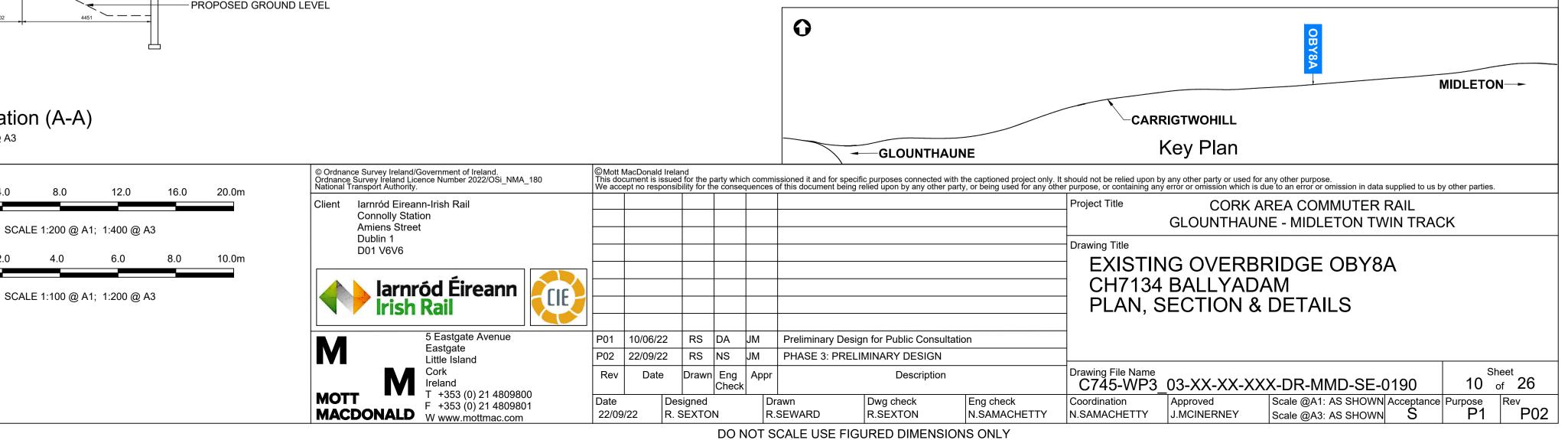
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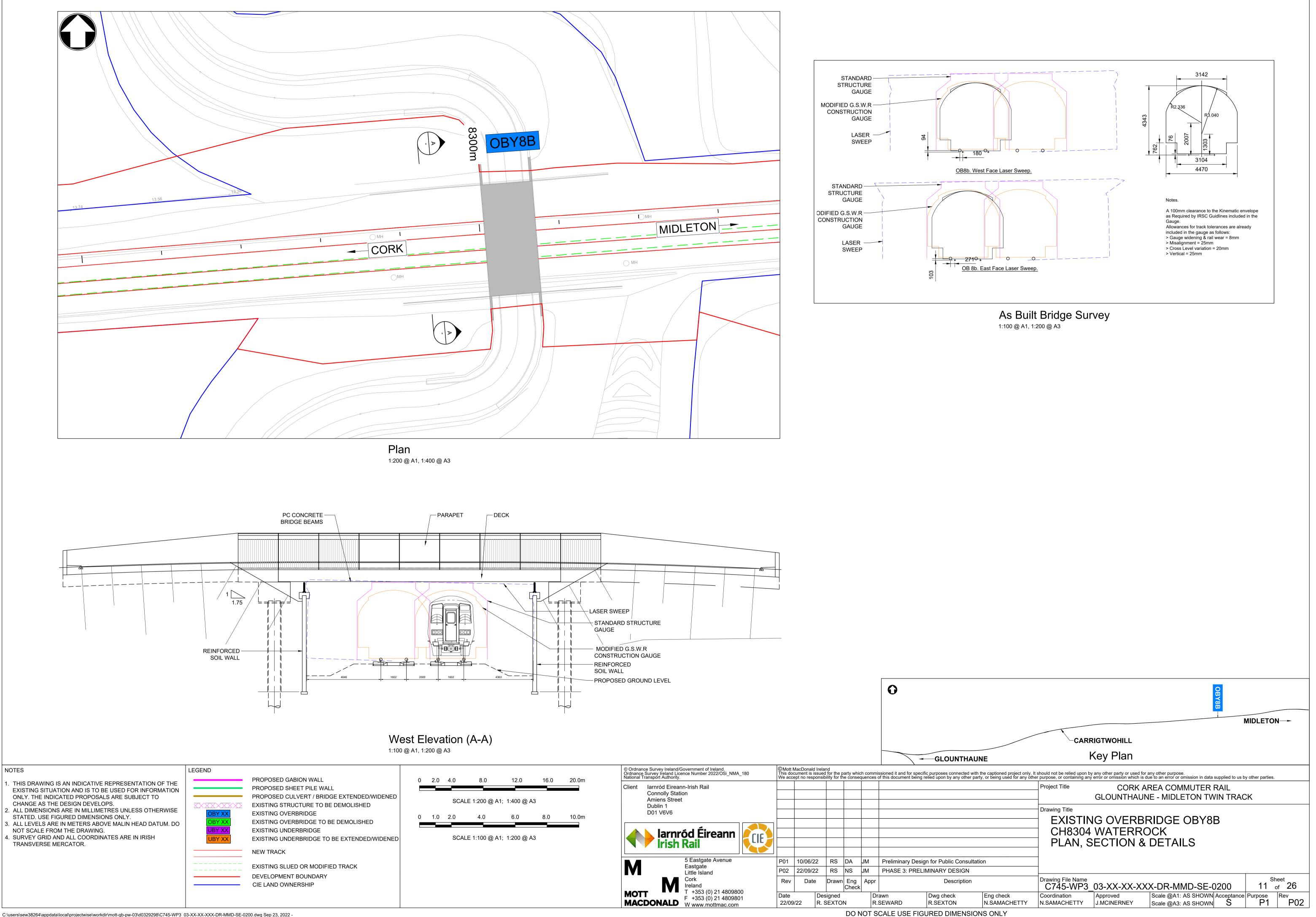


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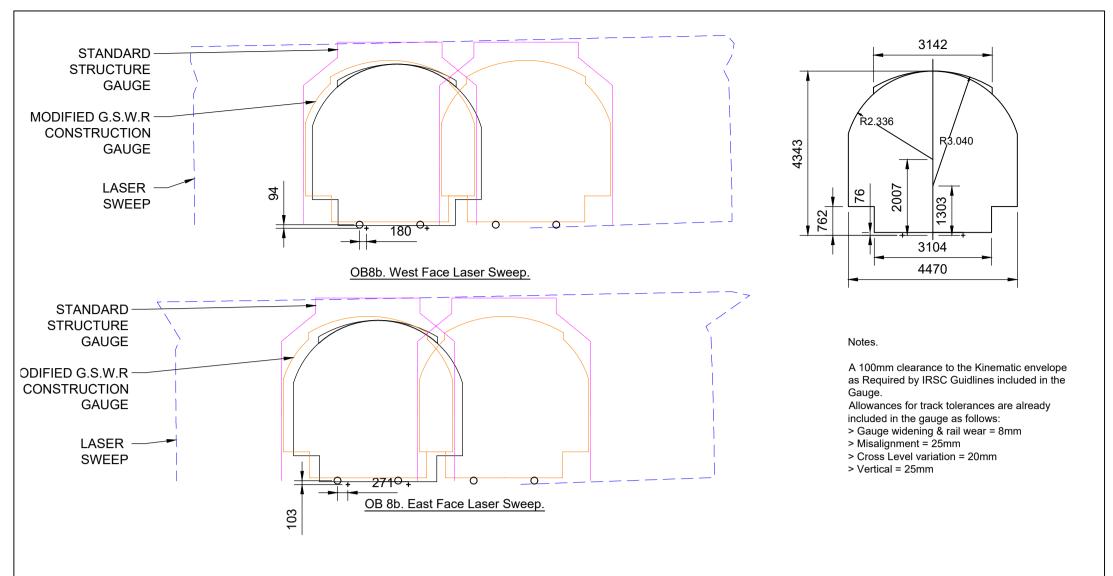


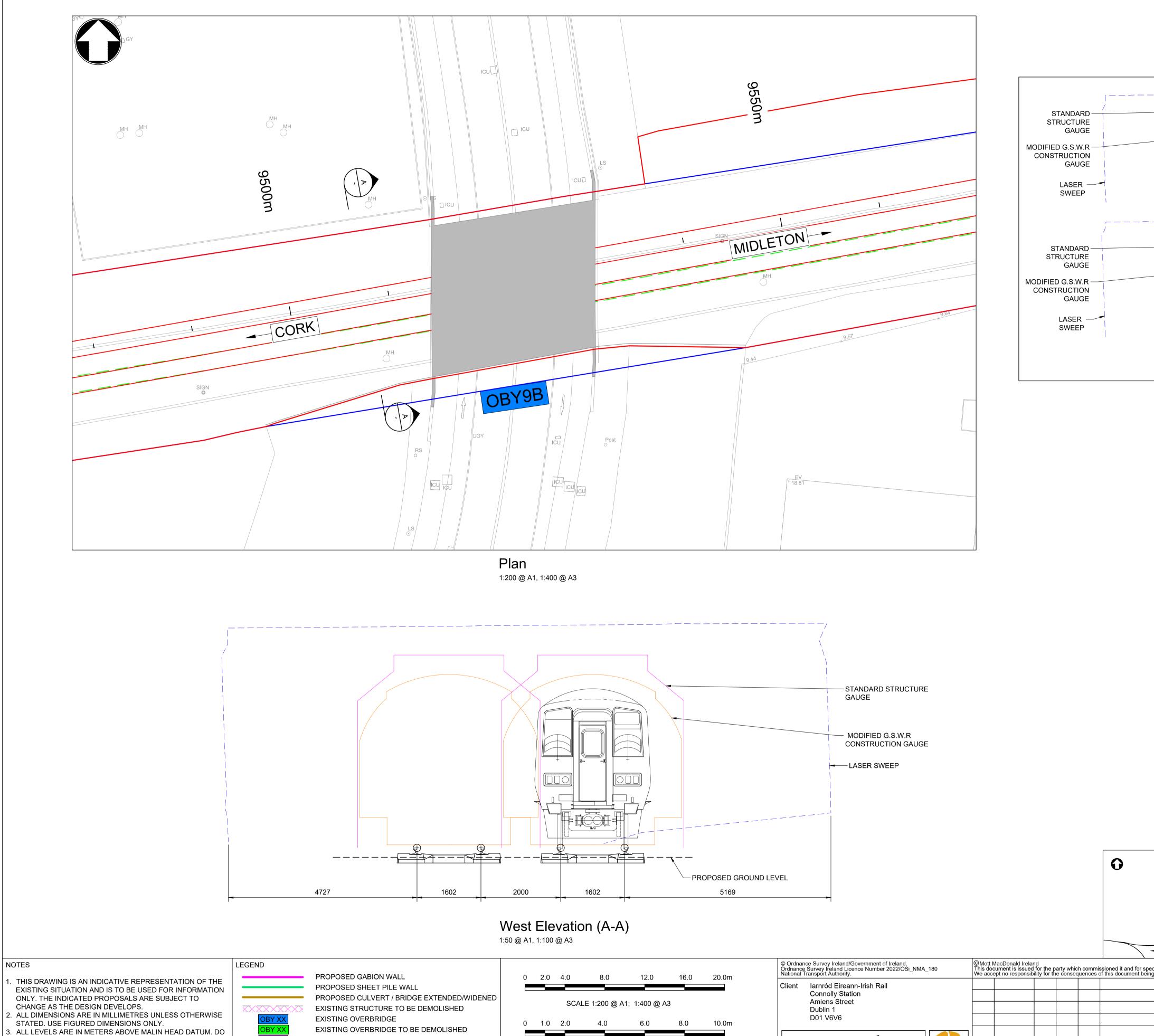




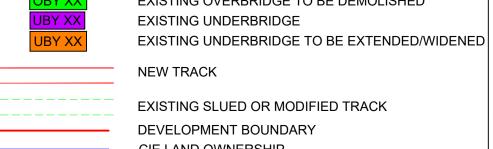
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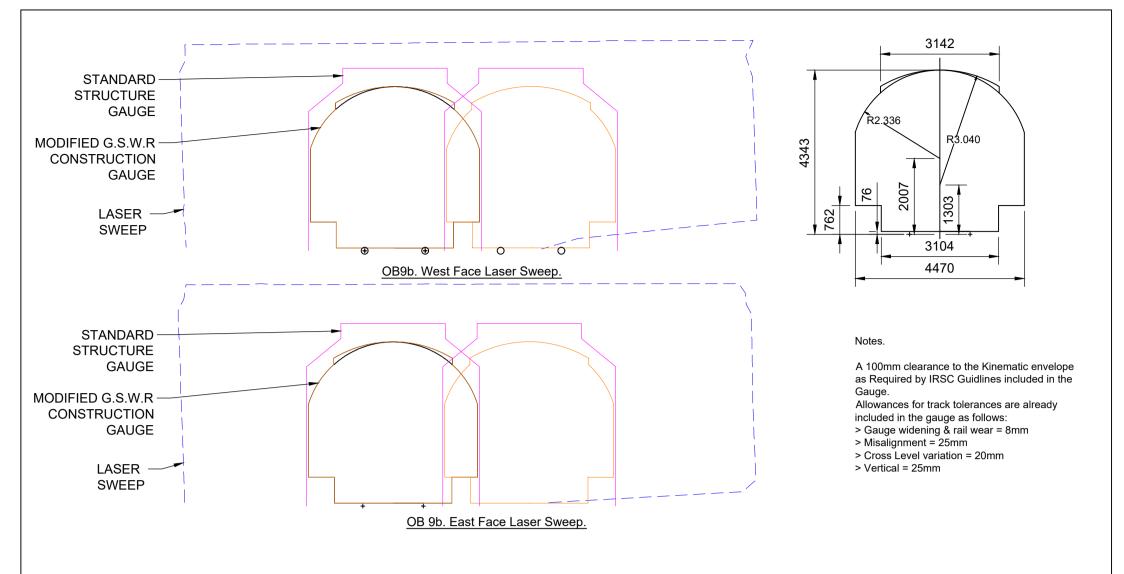


NEW TRACK

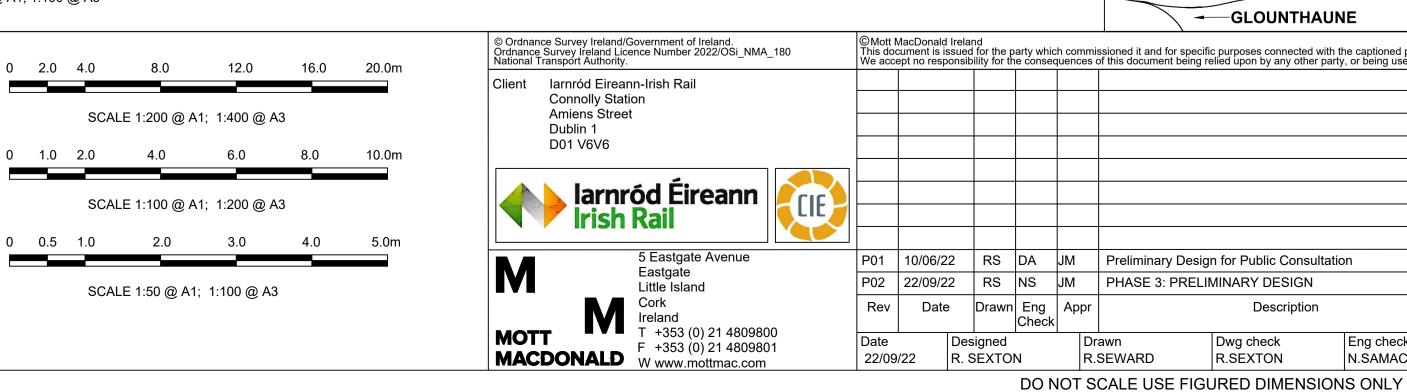
EXISTING SLUED OR MODIFIED TRACK DEVELOPMENT BOUNDARY CIE LAND OWNERSHIP

SCALE 1:50 @ A1; 1:100 @ A3

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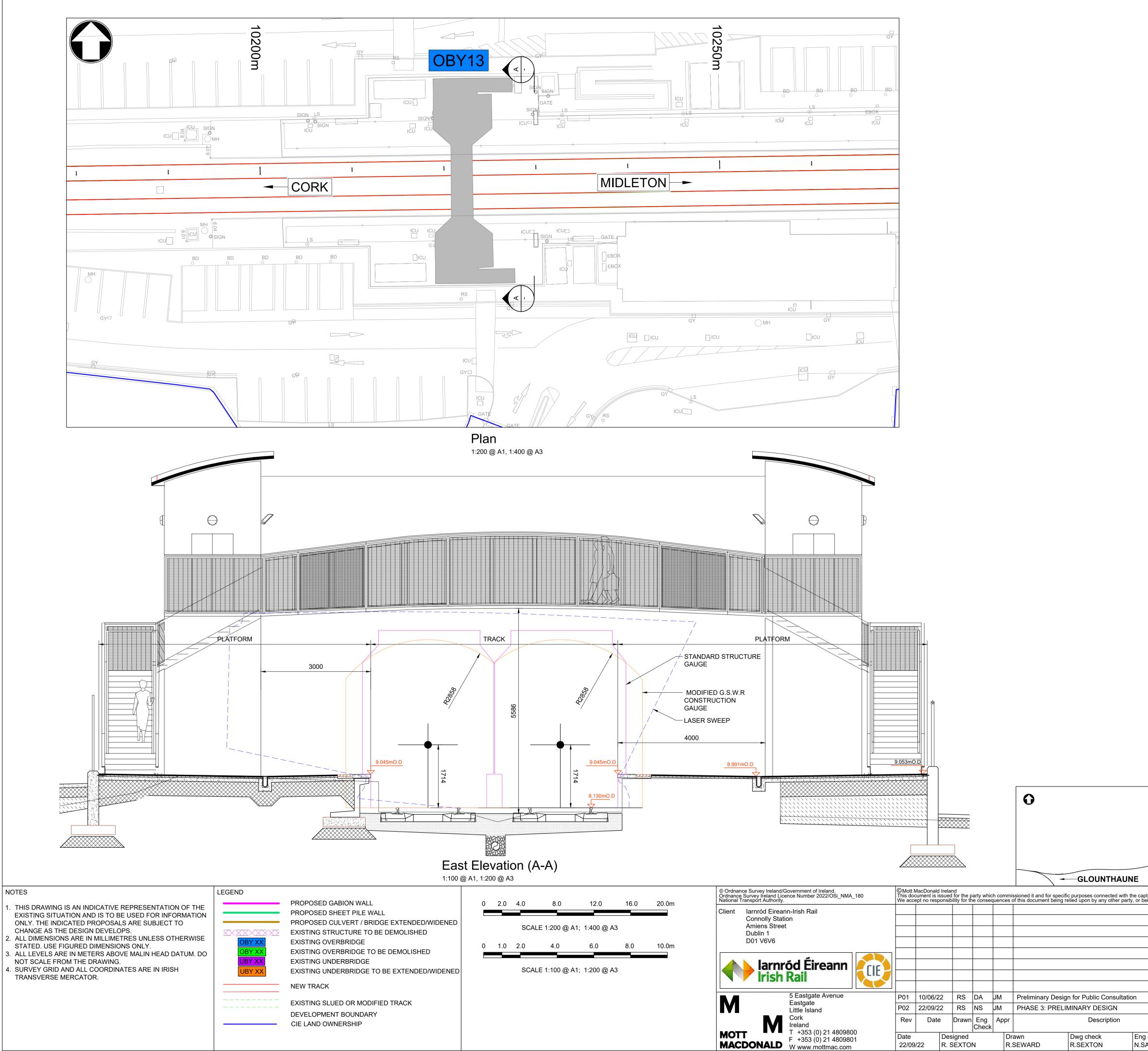


As Built Bridge Survey

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Project Title CORK AREA COMMUTER RAIL
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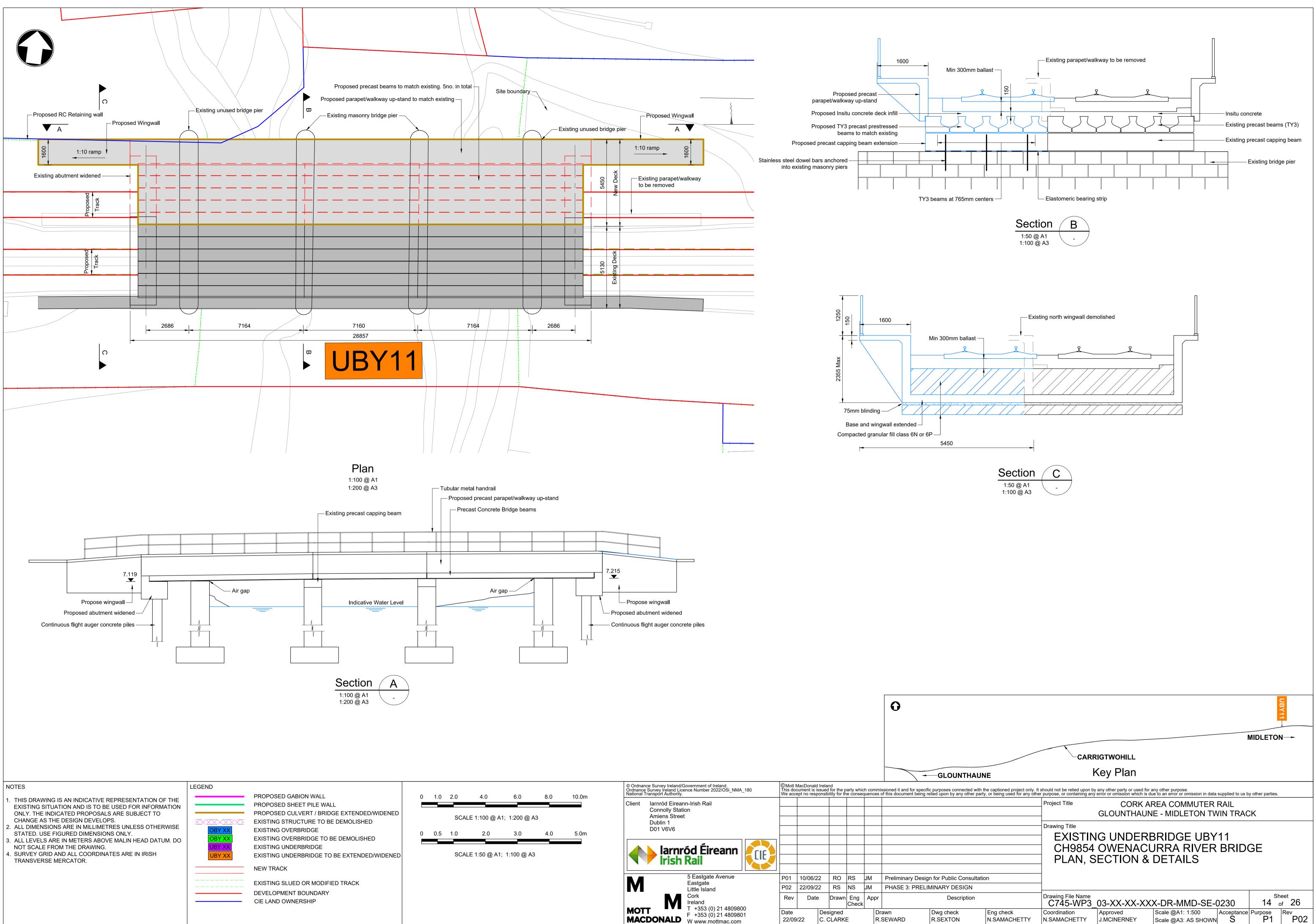


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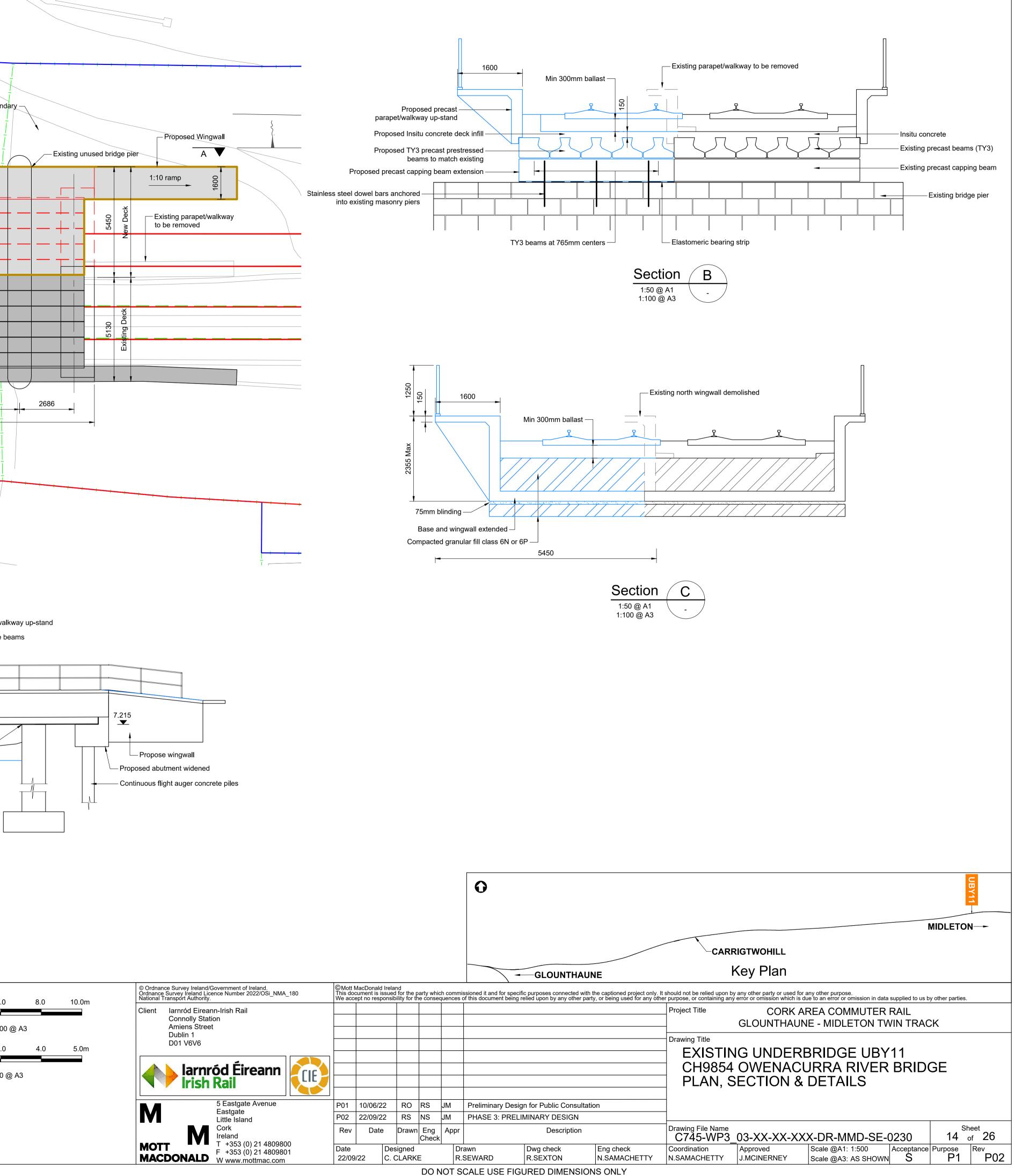
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otioned project only. eing used for any oth	It should not be relied upon her purpose, or containing a	by any other party or used ny error or omission which i	for any other purpose. s due to an error or omission in data	supplied to us b	y other parties.	
	Project Title		AREA COMMUTER JNE - MIDLETON TW		Ж	
	CH1022	22 FOOTB	BRIDGE OBY1 RIDGE MIDLE & DETAILS	-	ΤΑΤΙΟ	DN
	Drawing File Name		XX-DR-MMD-SE-(0220	40	neet of 26
g check AMACHETTY	Coordination N.SAMACHETTY	Approved J.MCINERNEY	Scale @A1: AS SHOWN Scale @A3: AS SHOWN	Ċ.	Purpose P1	P02
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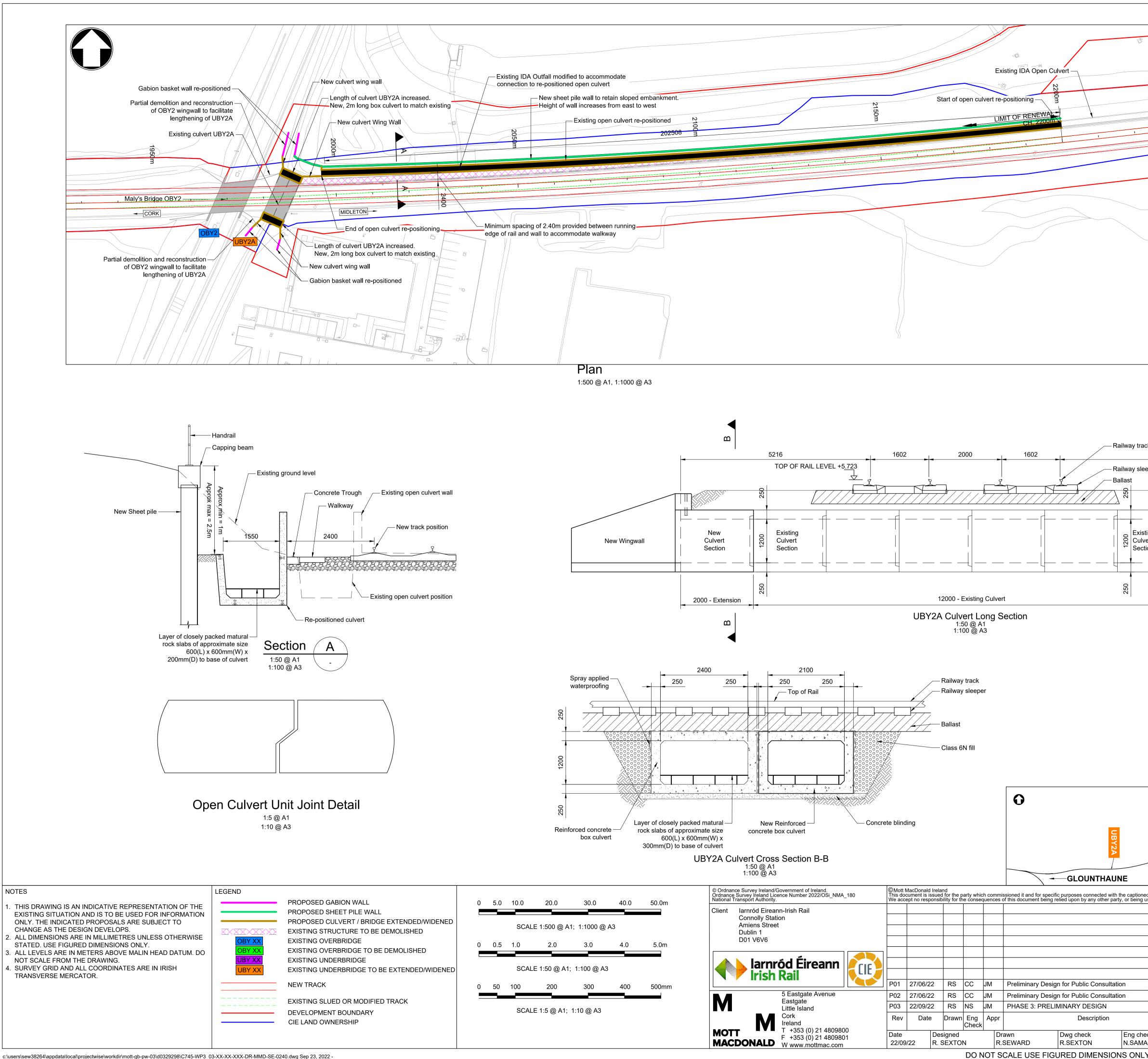




C					
	PROPOSED GABION WALL	0	1.0	2.0	4.0
	PROPOSED SHEET PILE WALL				
	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED			004	E 1.100
	EXISTING STRUCTURE TO BE DEMOLISHED			SCAL	E 1:100
OBY XX	EXISTING OVERBRIDGE	0	0.5	1.0	2.0
OBY XX	EXISTING OVERBRIDGE TO BE DEMOLISHED		0.5	1.0	2.0
UBY XX	EXISTING UNDERBRIDGE				
UBY XX	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED			SCAL	E 1:50 @
	NEW TRACK				
	EXISTING SLUED OR MODIFIED TRACK				
	DEVELOPMENT BOUNDARY				
	CIE LAND OWNERSHIP				

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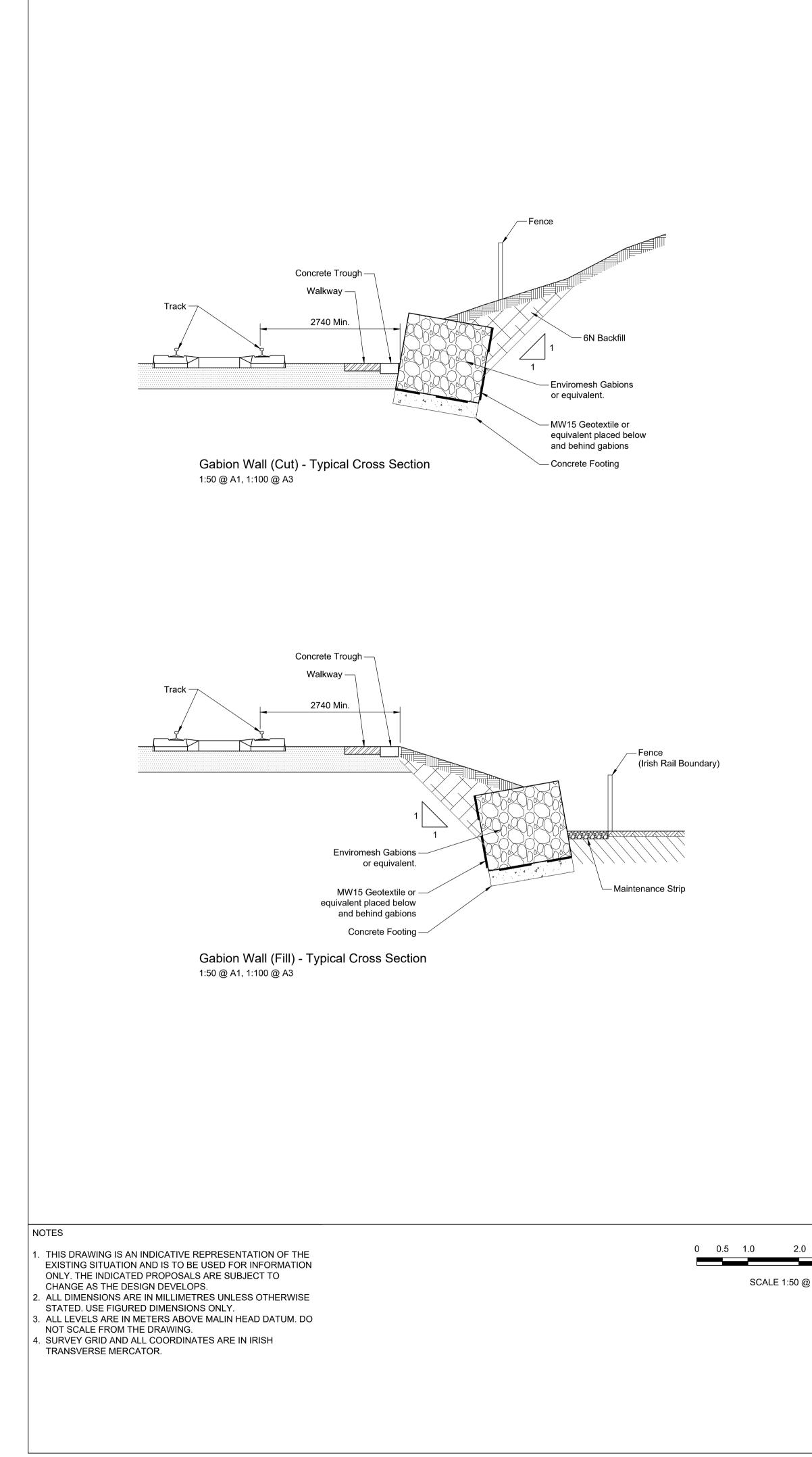




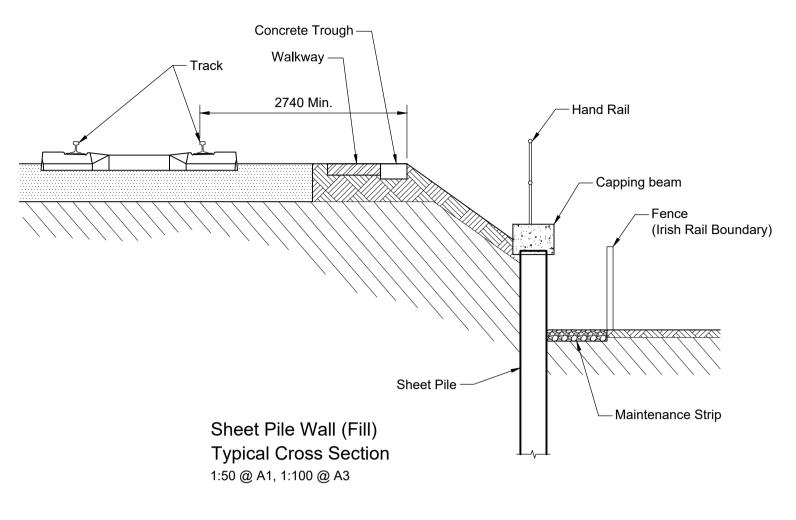
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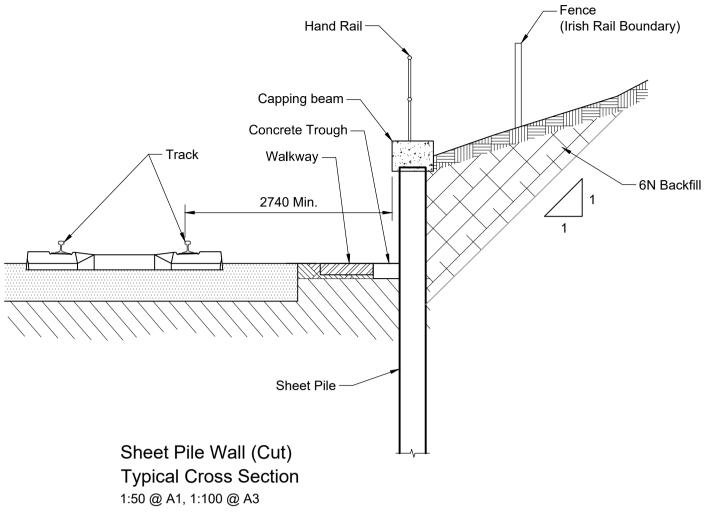
Ø	CONSTRUCTION SEQUENCING IS DEPENDANT ON RAIL POSSESSION TIME FRAME (I.E. NIGHT TIME POSSESSION V'S WEEKEND POSSESSION V'S WEEK POSSESSION). FOR THE PURPOSES OF THIS CONSTRUCTION SEQUENCING, WORST CASE OF NIGHT TIME POSSESSION IS ASSUMED.	
	1. INSTALL SHEET PILE WALL, APPROXIMATELY 210M IN LENGTH. SHEET PILE WALL INSTALLATION WILL BE UNDERTAKEN DURING A NUMBER OF RAIL POSSESSIONS.	
	 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.	
track	 ■ 	
5580 sleeper		
sieepei		
	- +	
culvert ection +3. <u>440</u>	Culvert New Wingwall 0 Section	
	2000 - Extension	
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	CARRIGTWOHILL	
	Key Plan	
ioned project on ing used for any	ly. It should not be relied upon by any other party or used for any other purpose. other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.	
	Project Title CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
	Drawing Title IDA OPEN CULVERT AND CULVERT UBY2A	
	CH1997 TO CH2200 PLAN, SECTION & DETAILS	
	Drawing File Name	
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	N.SAMACHETTY J.MCINERNEY Scale @A3: AS SHOWN S P1 P03	

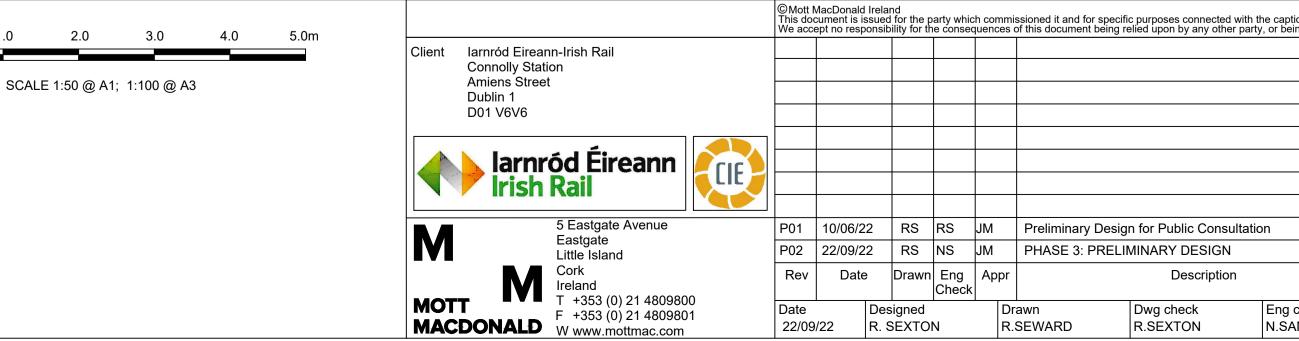
IDA CULVERT RE-POSITIONING INDICATIVE CONSTRUCTION SEQUENCING:



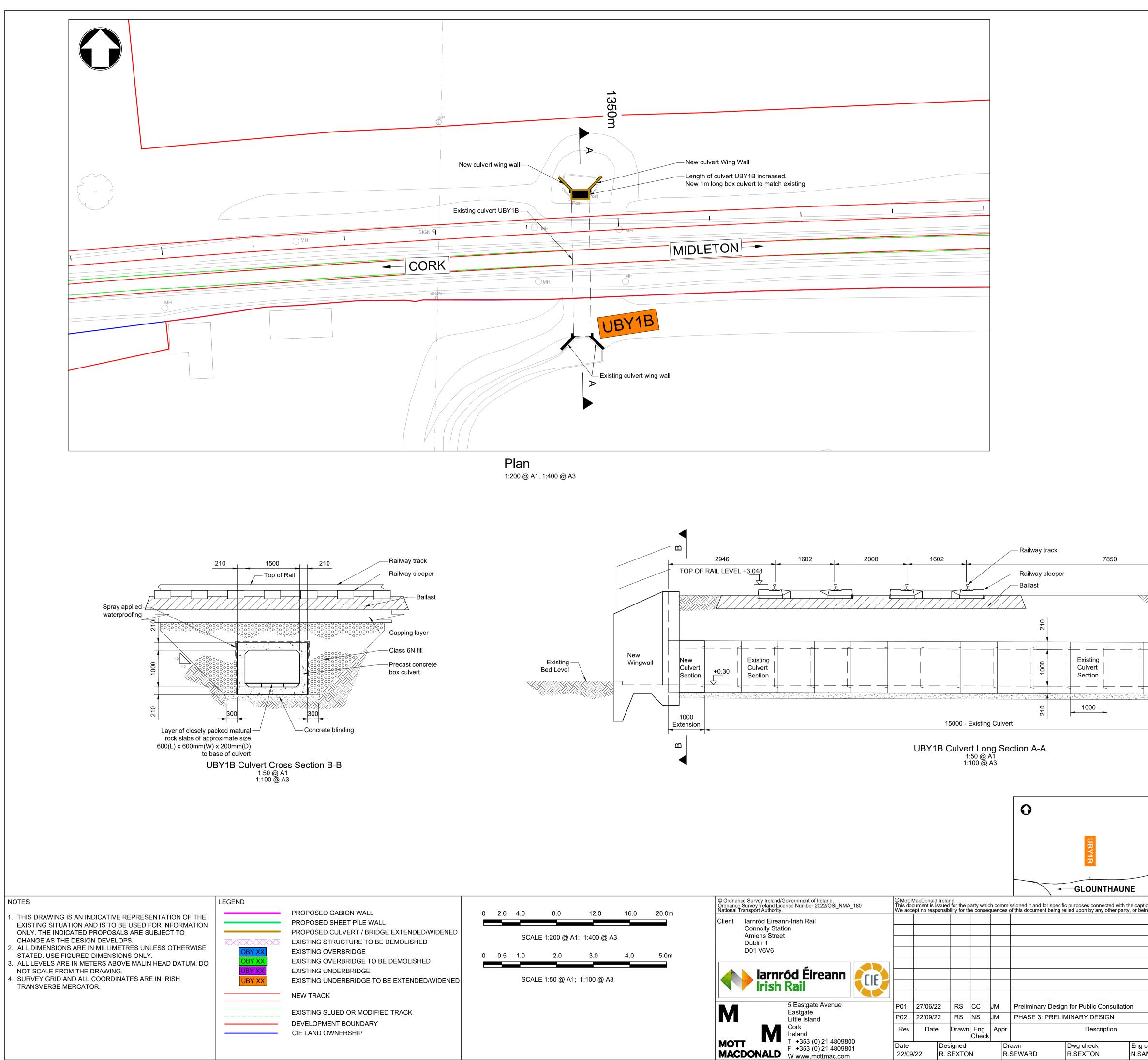
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						Project Title		REA COMMUTER R. E - MIDLETON TWI		ж	
								PICAL DETAIL			
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10	N		awn SEWARD	Dwg check R.SEXTON	Eng check N.SAMACHETTY	Coordination N.SAMACHETTY	Approved J.MCINERNEY	Scale @A1: AS SHOWN A Scale @A3: AS SHOWN	cceptance S	Purpose P1	P02
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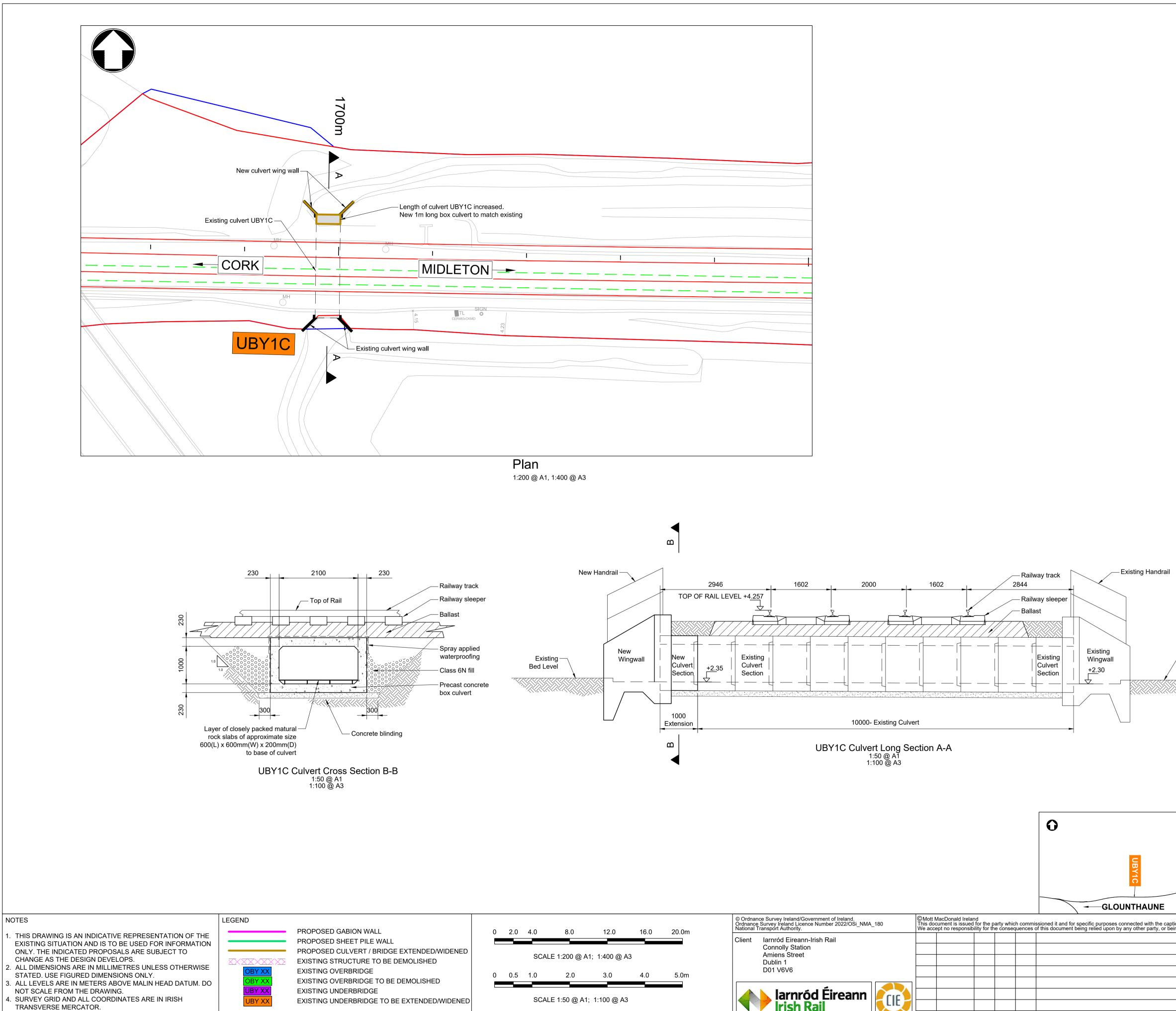
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R. SEXTON R.SEWARD DO NOT SCALE USE FIGURED DIMENSIONS OF

R.SEXTON

22/09/22

		Existing Handrail
	Existing Culvert Section	Existing Wingwall +0.25 Existing Bed Level
		MIDLETON
E		кідтwoнill Key Plan
		by any other party or used for any other purpose. In y error or omission which is due to an error or omission in data supplied to us by other parties.
	Project Title	CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK
	CH1346	NG CULVERT UBY1B
Eng check N.SAMACHETTY IS ONLY	Drawing File Name C745-WP3 Coordination N.SAMACHETTY	O3-XX-XX-XX-DR-MMD-SE-0260Sheet 17 of 26Approved J.MCINERNEYScale @A1: AS SHOWN Scale @A3: AS SHOWNAcceptance Scale @A3: AS SHOWNPurpose P1Rev P02



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NEW TRACK

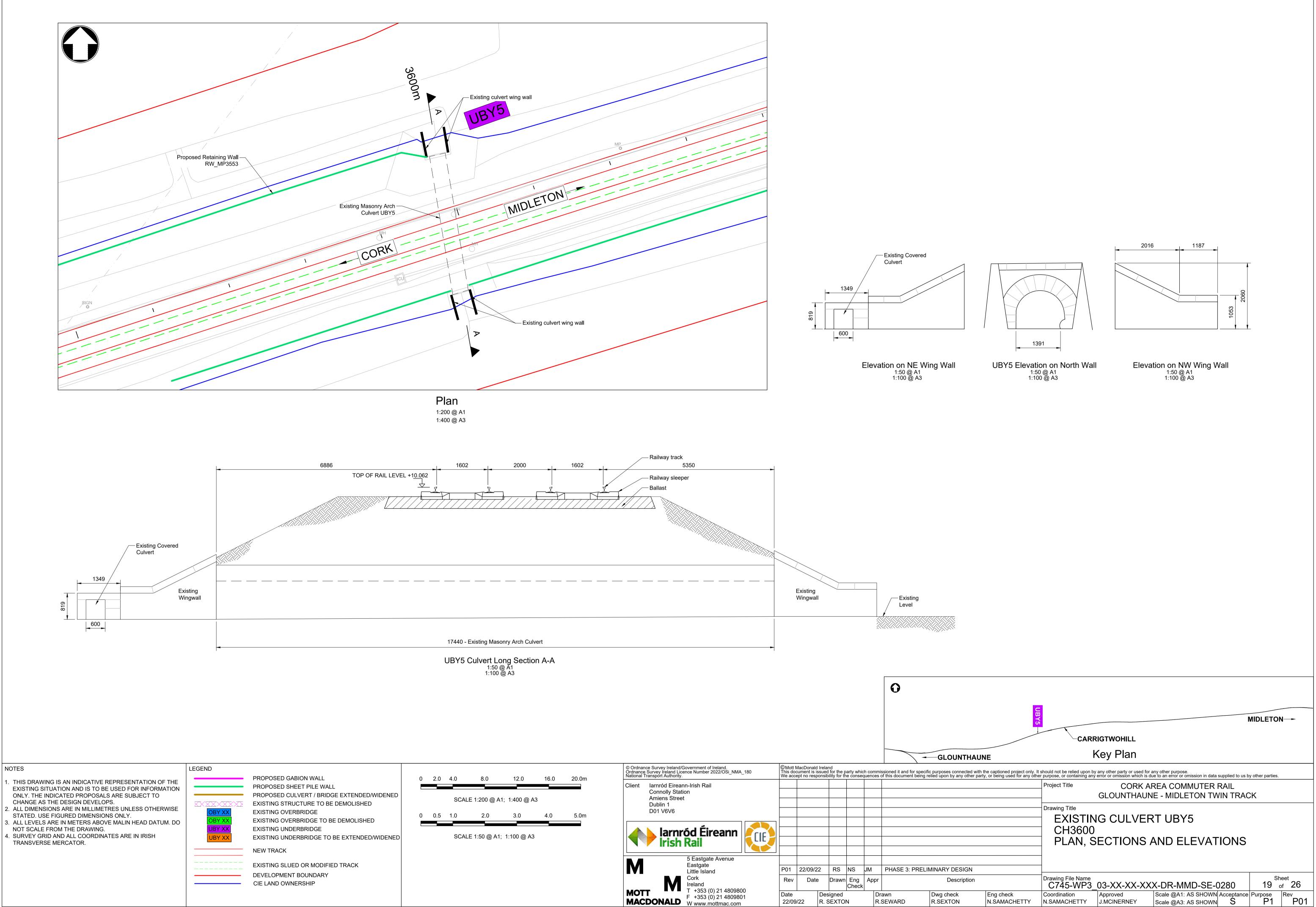
EXISTING SLUED OR MODIFIED TRACK

DEVELOPMENT BOUNDARY CIE LAND OWNERSHIP

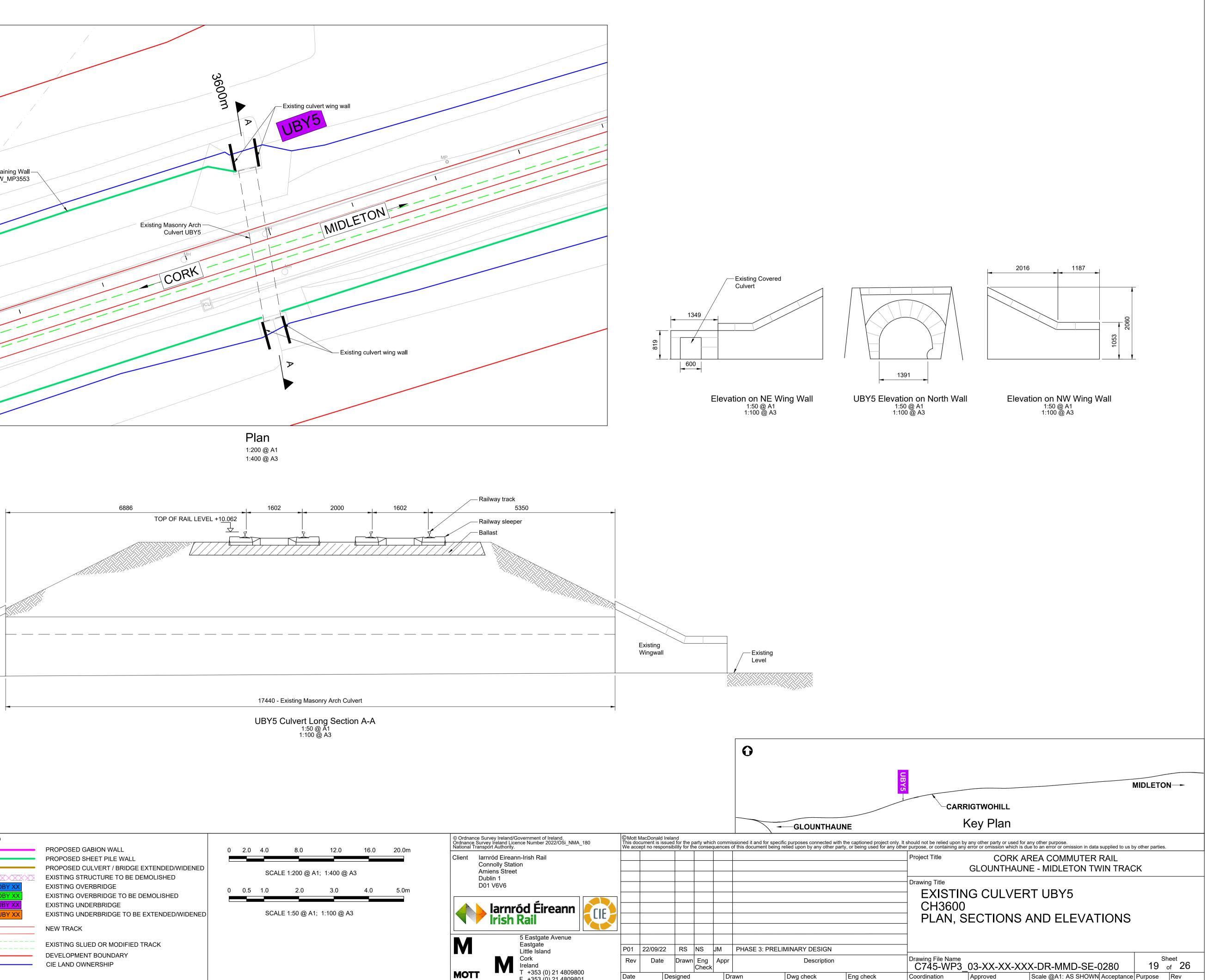
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12.0 16.0 20.0m	© Ordnance Survey Ireland/Government of Ireland. Ordnance Survey Ireland Licence Number 2022/OSi_NMA_180 National Transport Authority.	©Mott MacDonald Ireland This document is issued for the We accept no responsibility for	party which comm the consequences	issioned it and for spe of this document bein	ecific purposes connected with g relied upon by any other part	the captioned project only. I ty, or being used for any oth	t should not be relied upon b er purpose, or containing an	by any other party or used f y error or omission which is	or any other purpose. s due to an error or omission in data supplied to us l	by other parties.
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3.0 4.0 5.0m	Dublin 1 D01 V6V6						Drawing Title		RT UBY1C	
; 1:100 @ A3	larnród Éireann						CH1700 PLAN, S		& ELEVATION	
	5 Eastgate Avenue Eastgate Little Island	P01 27/06/22 RS	СС ЈМ	Preliminary Des	sign for Public Consultati	on				
	Little Island	P02 22/09/22 RS	NS JM	PHASE 3: PRE			Drawing File Name			Sheet
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			DO NOT S	CALE USE FI	GURED DIMENSION	NS ONLY				·

Bed Level

— Existing



- 2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED. USE FIGURED DIMENSIONS ONLY.
- NOT SCALE FROM THE DRAWING.
- . SURVEY GRID AND ALL COORDINATES ARE IN IRISH



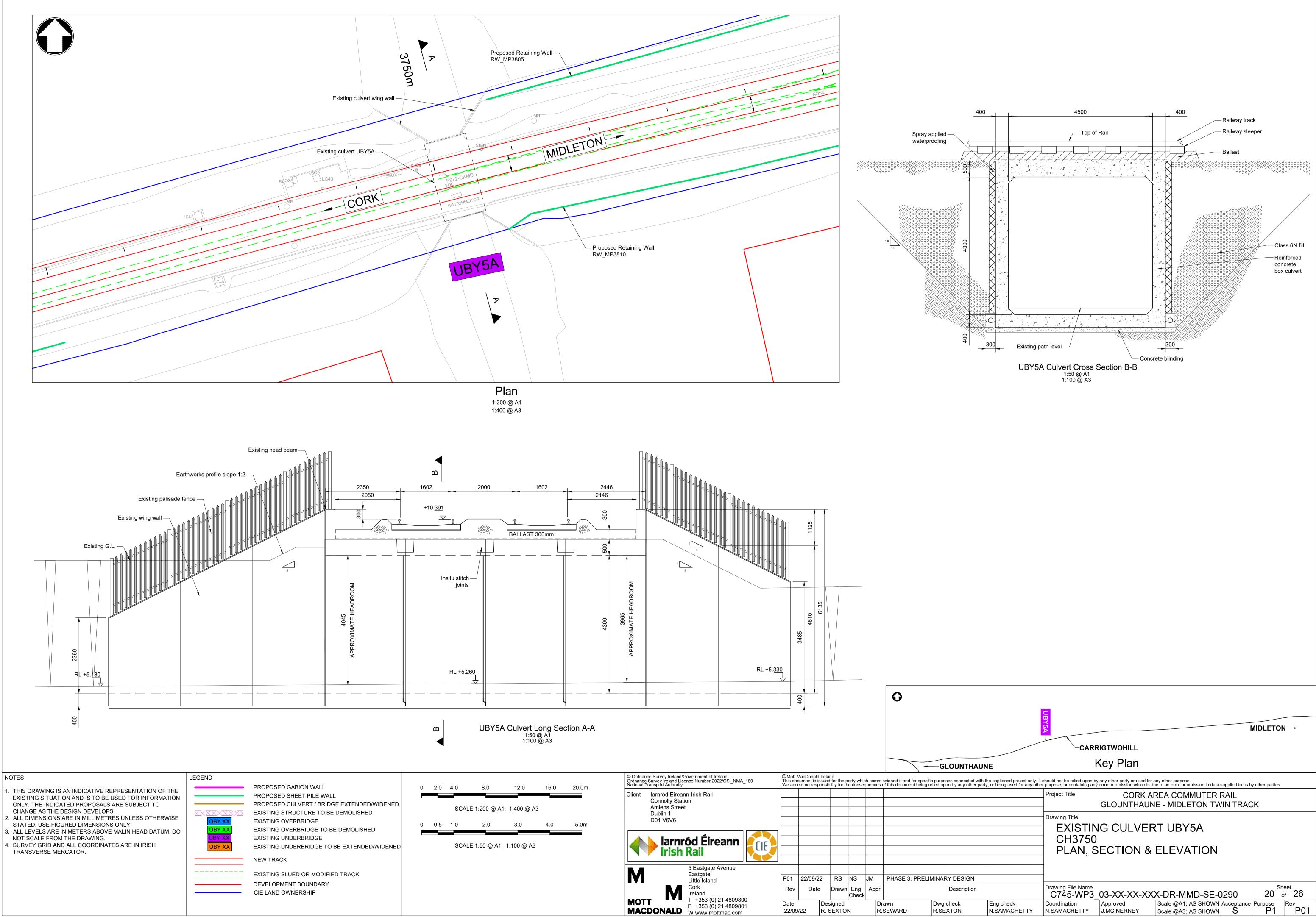
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N.SAMACHETTY

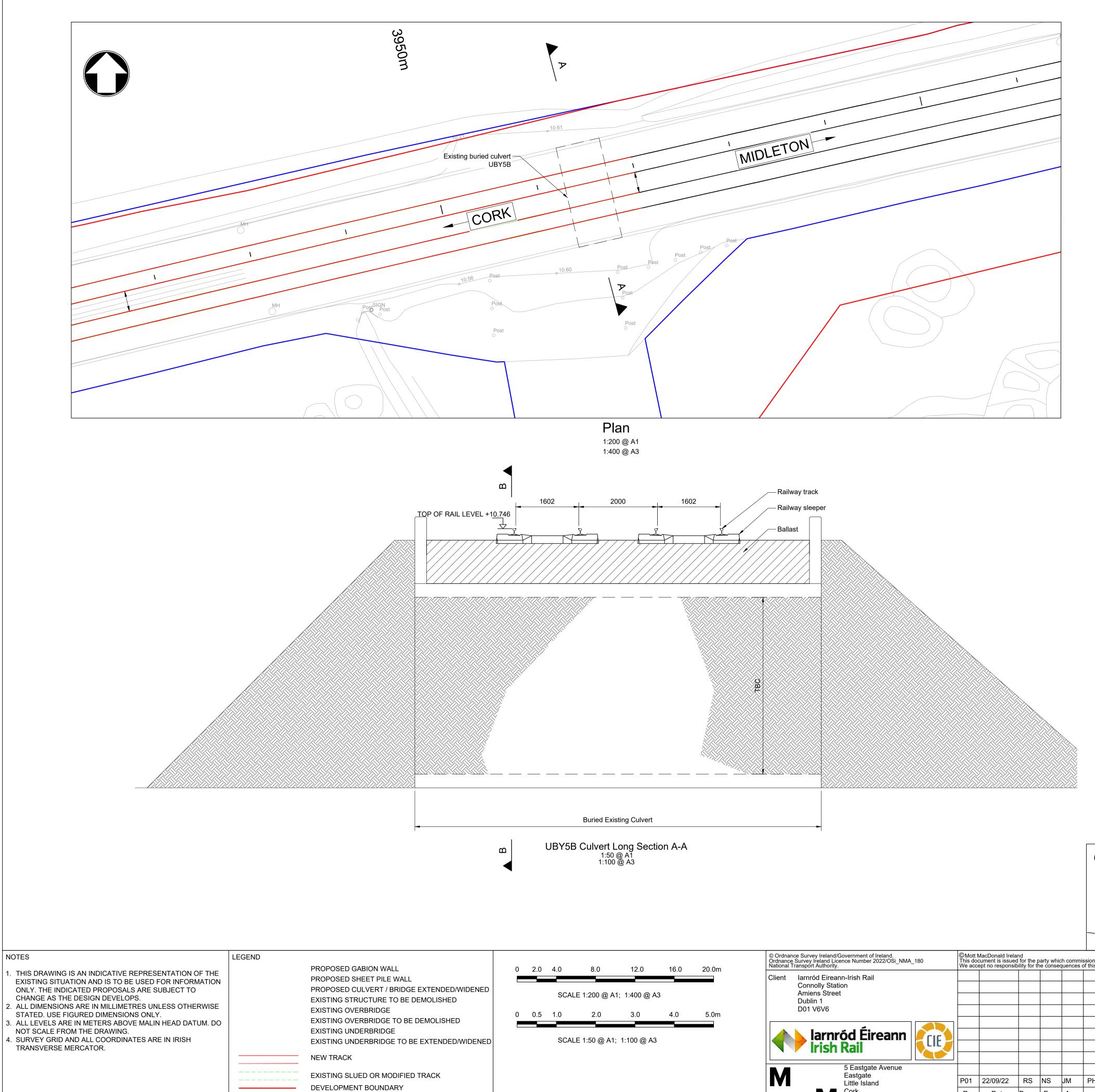
J.MCINERNEY

R. SEXTON R.SEWARD R.SEXTON N.SAMACHETTY DO NOT SCALE USE FIGURED DIMENSIONS ONLY



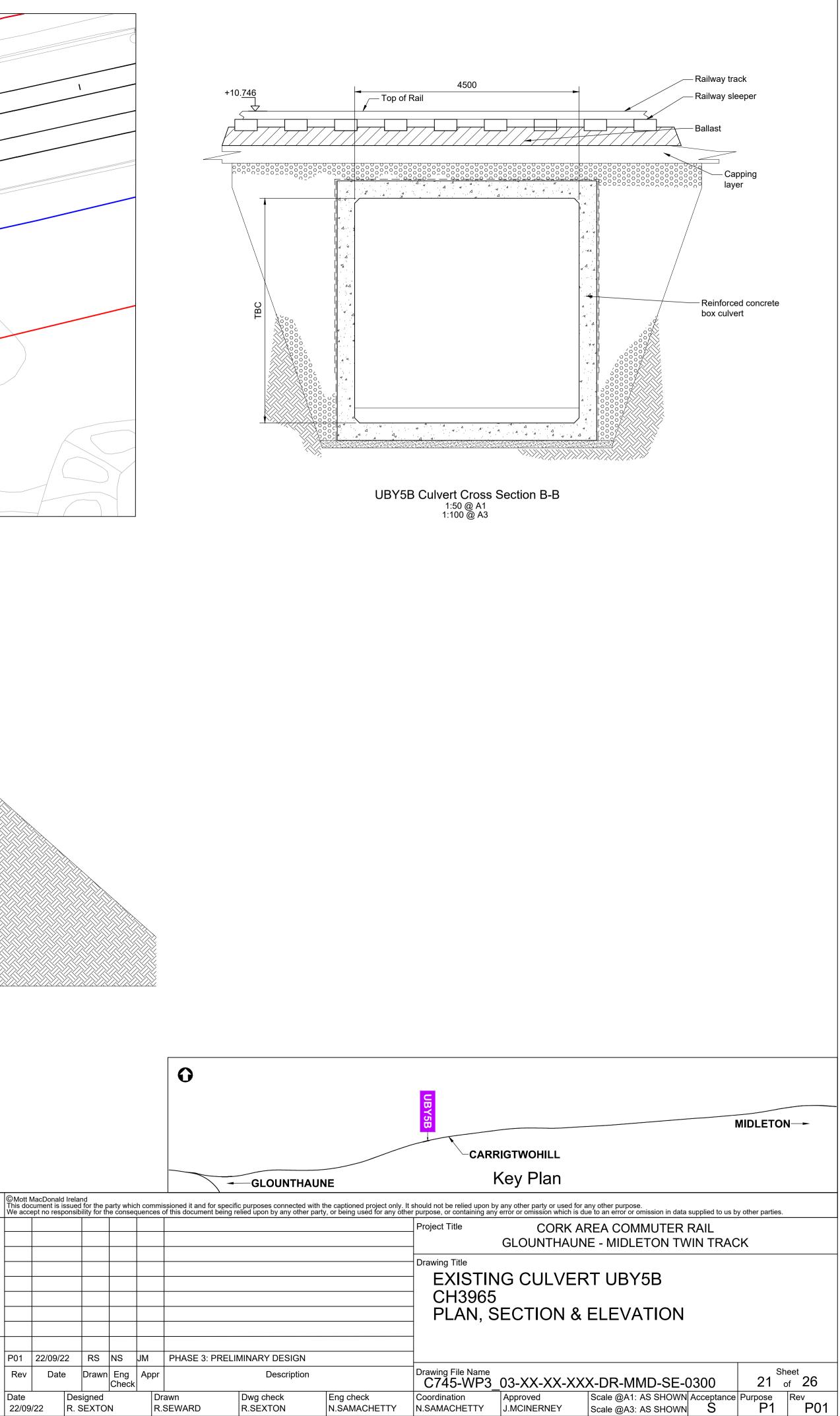
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CIE LAND OWNERSHIP



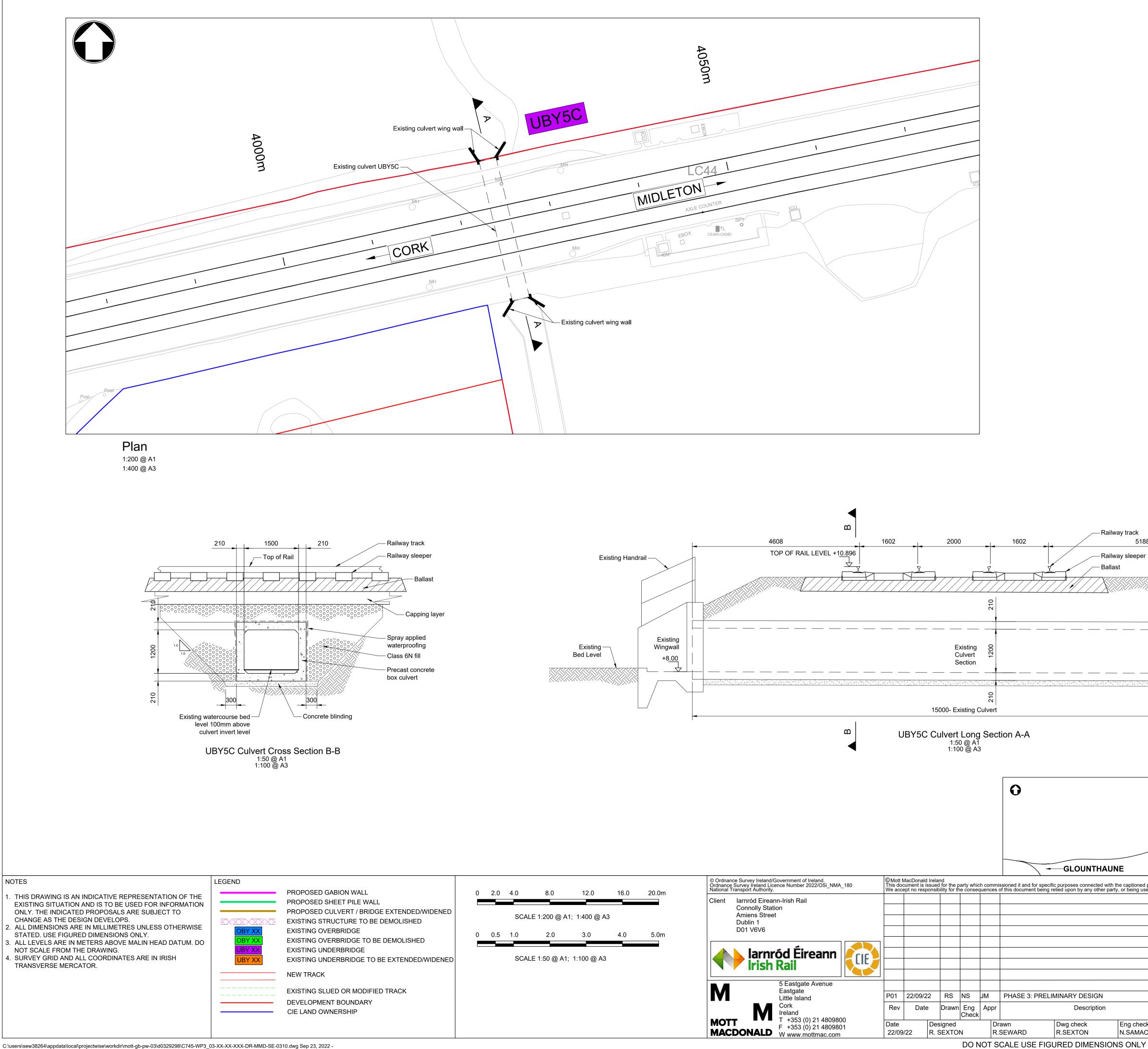
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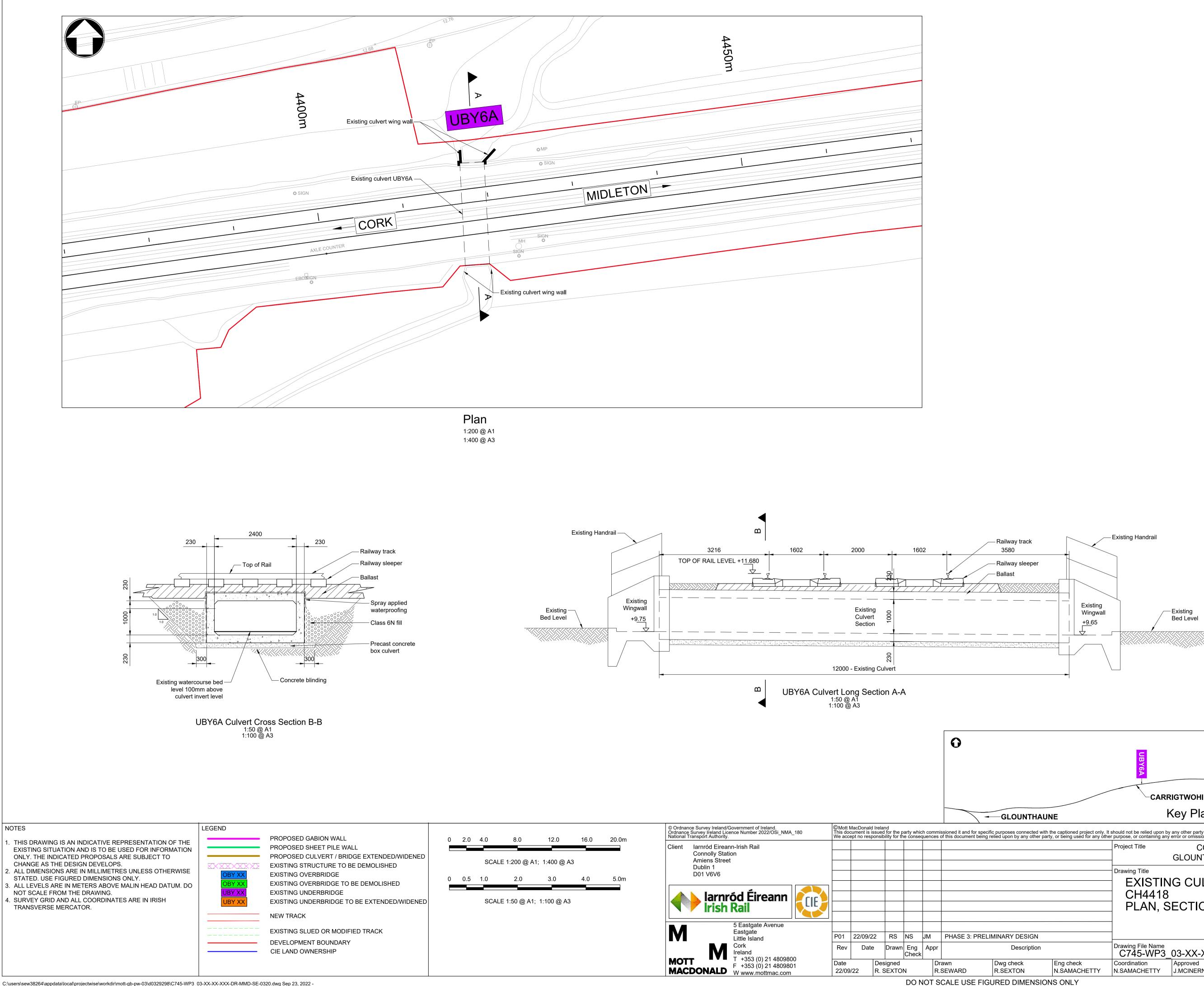
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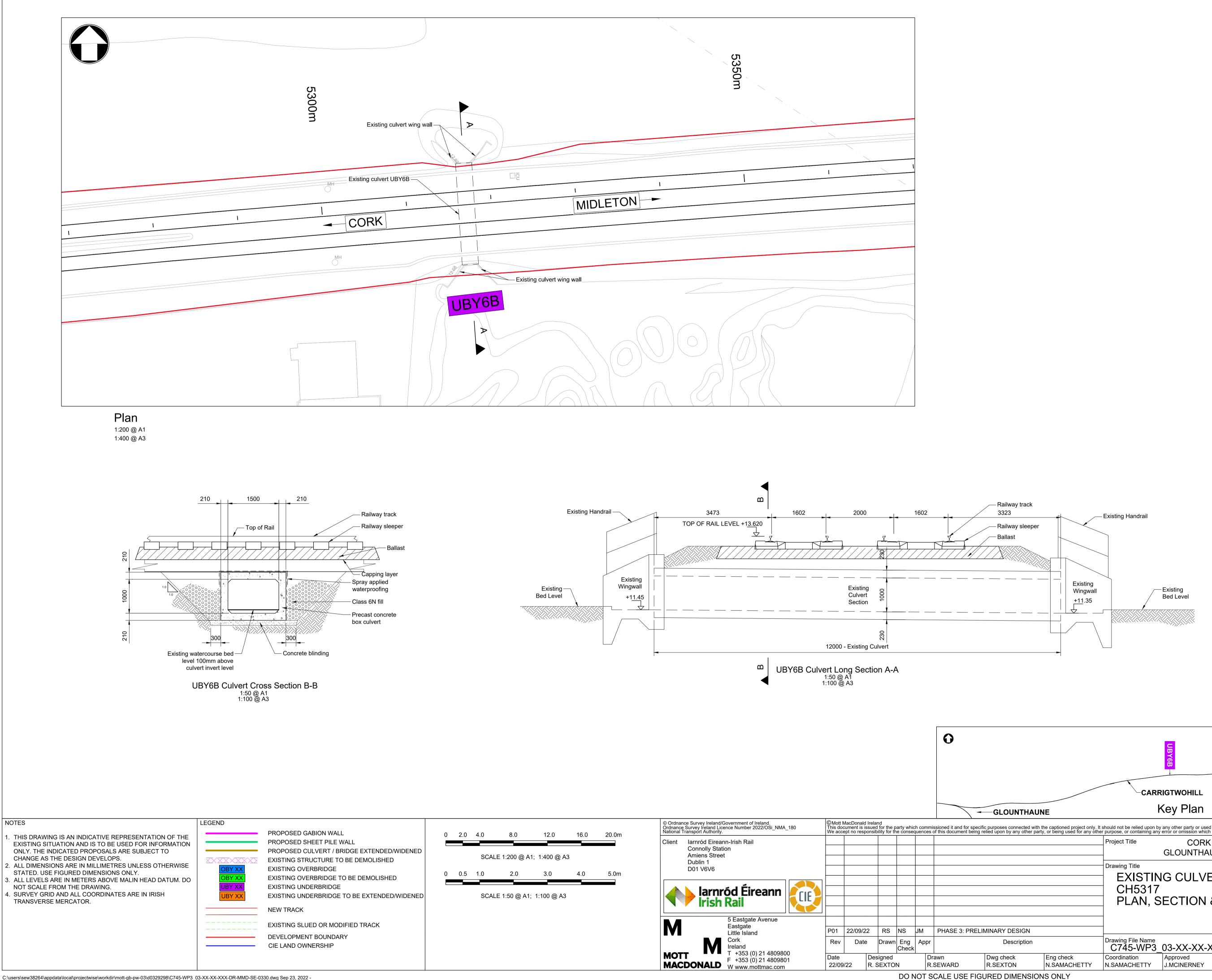


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eeper		Existing	Handrail		
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ntioned project only. It eing used for any othe	should not be relied upon by er purpose, or containing any	any other party or used for error or omission which is d	any other purpose. lue to an error or omission in data supplied to us t	by other parties.	
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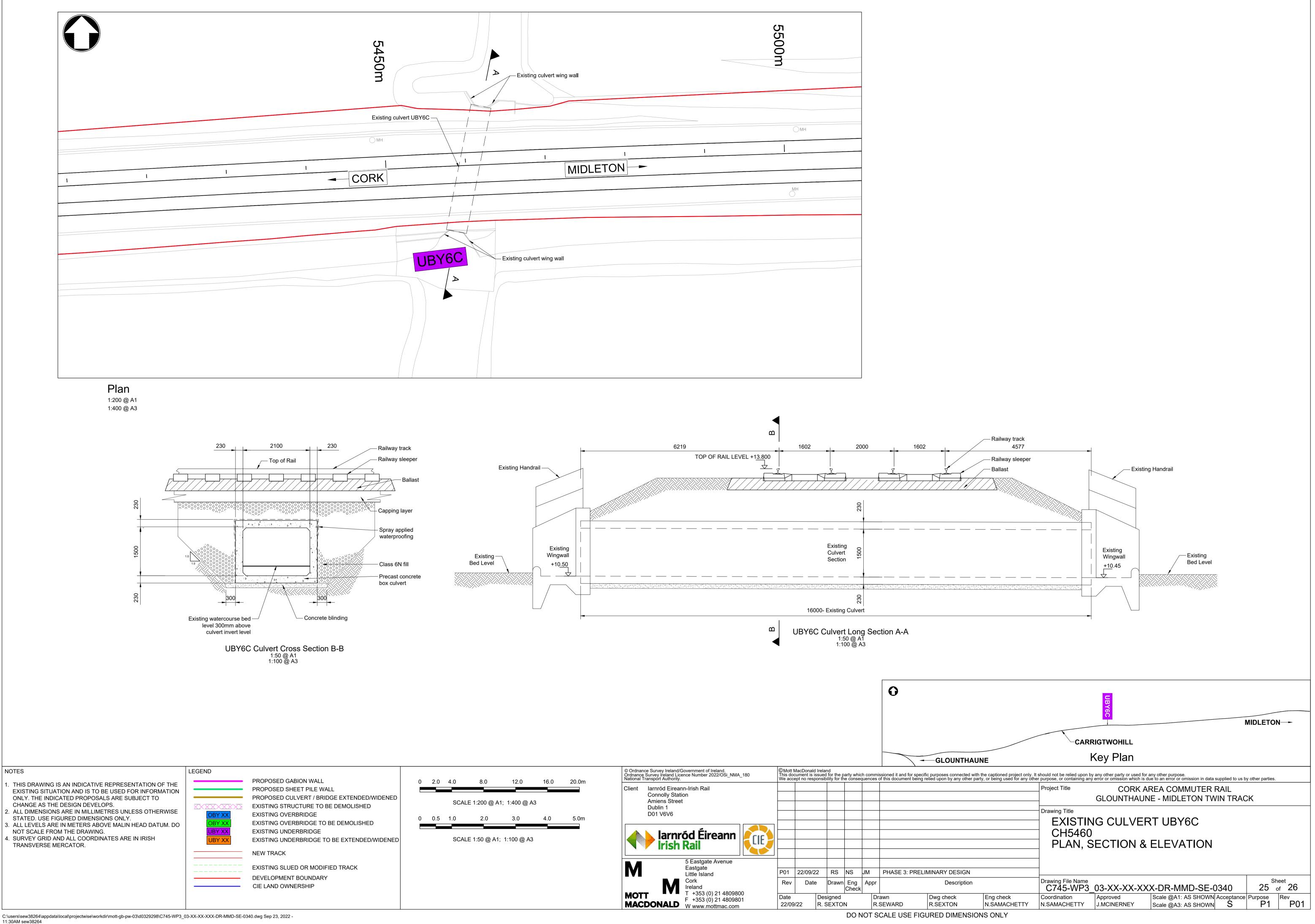
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MACHETTY	N.SAMACHETTY	J.MCINERNEY	Scale @A3: AS SHOWN	S	P1	P01

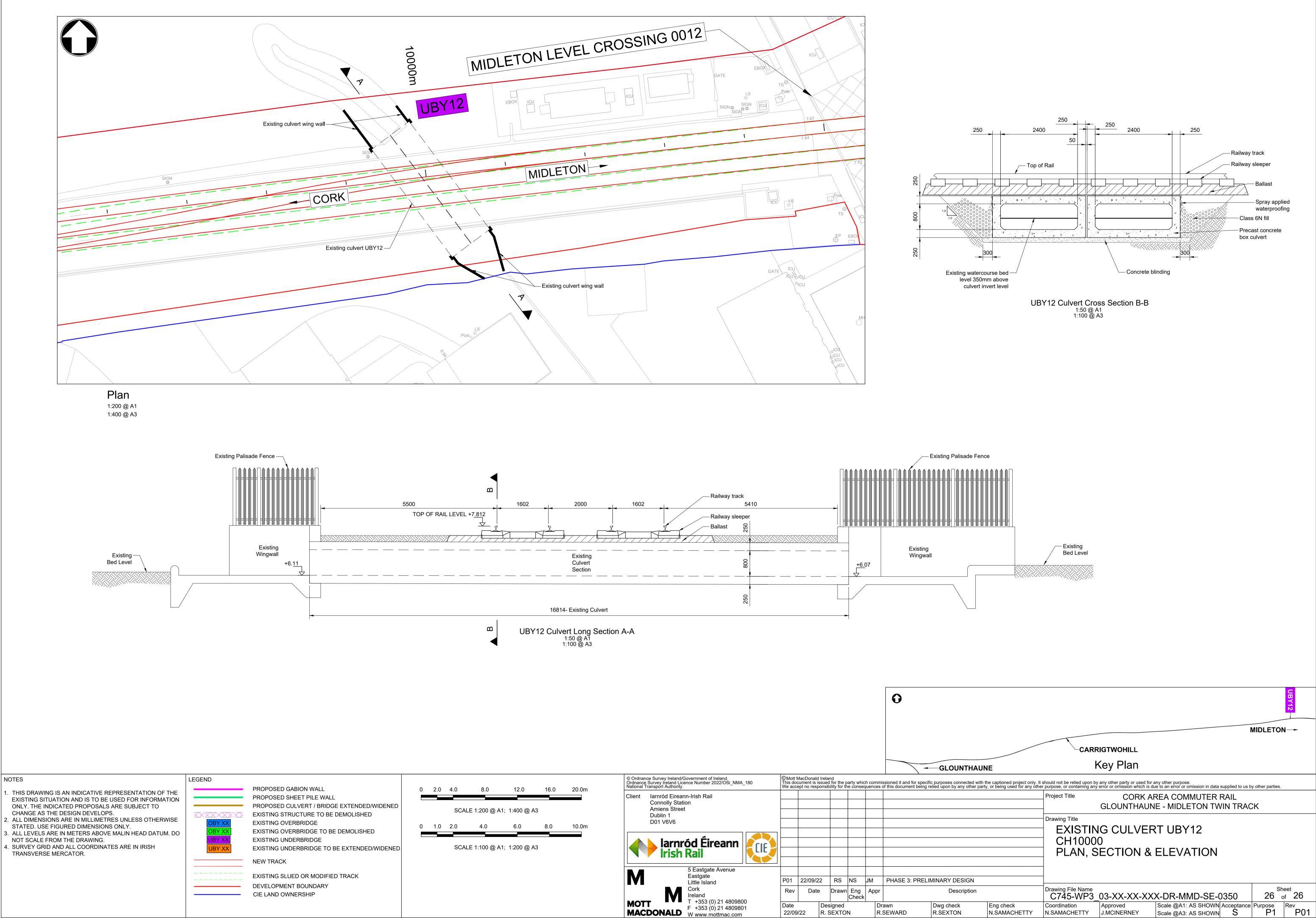


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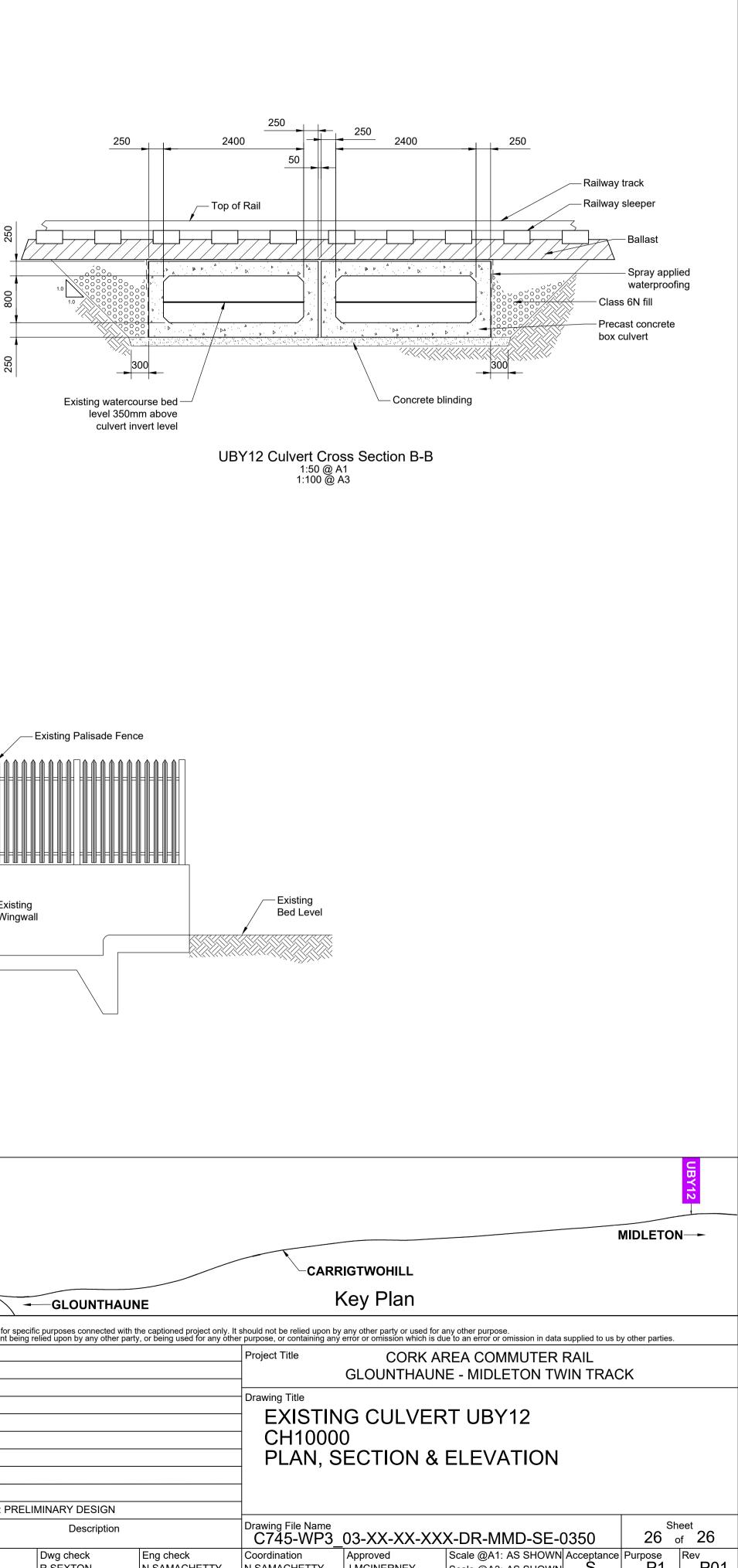
	Existing Handrail				
Existing Wingwall		- Existing			
+11.35		Bed Level			
-					
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ioned project only.	It should not be relied upon l	by any other party or used to error or omission which i	for any other purpose. s due to an error or omission in data supplied t	o us by other parties.	
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check MACHETTY	Coordination N.SAMACHETTY	Approved J.MCINERNEY	Scale @A1: AS SHOWN Accepta Scale @A3: AS SHOWN S	ance Purpose P1	P01



Existing culvert wing wall	5500m
	МН
Existing culvert wing wall	MH



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