



Cork Area Commuter Rail Glounthaune - Midleton Twin Track

Environmental Impact Assessment Report
Appendix 6.3 Preliminary Design Report
Drawings

November 2022



PRELIMINARY DESIGN DRAWINGS



Rialtas na hÉireann
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Tionscadal Éireann
Project Ireland
2040



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Iarnród Éireann
Irish Rail



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GLOUNTHAUNE - MIDLETON TWIN TRACK

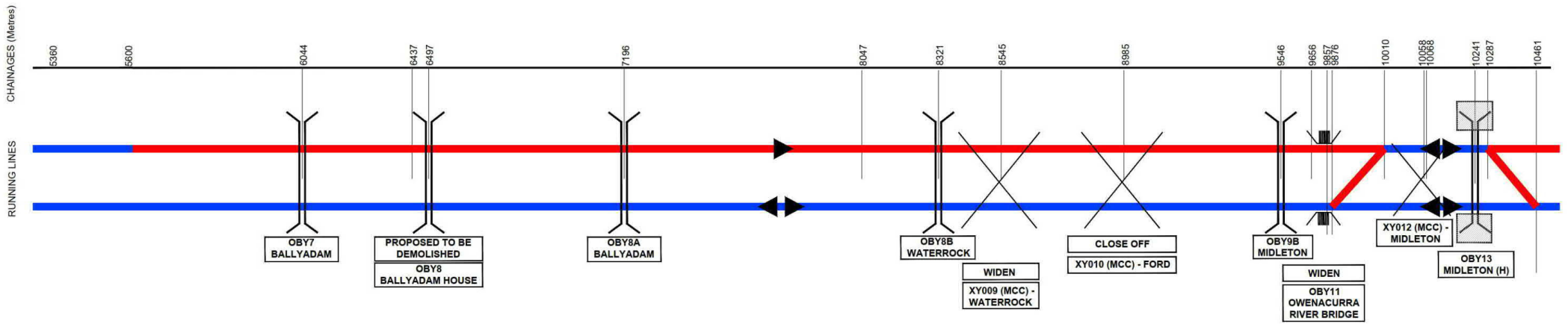
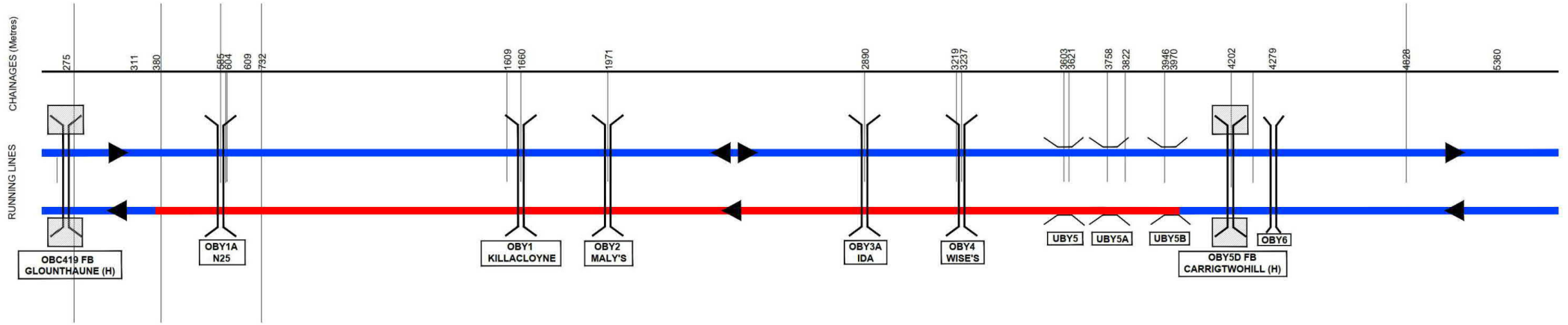
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Rev	Date	Drawn	Eng Check	Appr	Description
P01.1	23/09/22				PHASE 3: PRELIMINARY DESIGN
Date	23/09/22	Designed	R. O'CONNOR	Drawn	Dwg check
					Eng check

Project Title	CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK		
Drawing Title	PRELIMINARY DESIGN DRAWINGS COVER SHEET		
Drawing File Name	C745-WP3	03-XX-XX-XXX-DR-MMD-PW-2000	1 Sheet of 1
Coordination	Approved	Scale at A1: NTS Scale at A3: NTS	Acceptance S Purpose P1 Rev P01.1



LEGEND
 RETAINED TRACK WITH SINGLE DIRECTIONAL TRAVEL
 PROPOSED TRACK

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Client **Iarnród Éireann-Irish Rail**
 Connolly Station
 Amiens Street
 Dublin 1
 D01 V6V6

Project Title **CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDLETON TWIN TRACK**



Drawing Title **PROPOSED TRACK SCHEMATIC**

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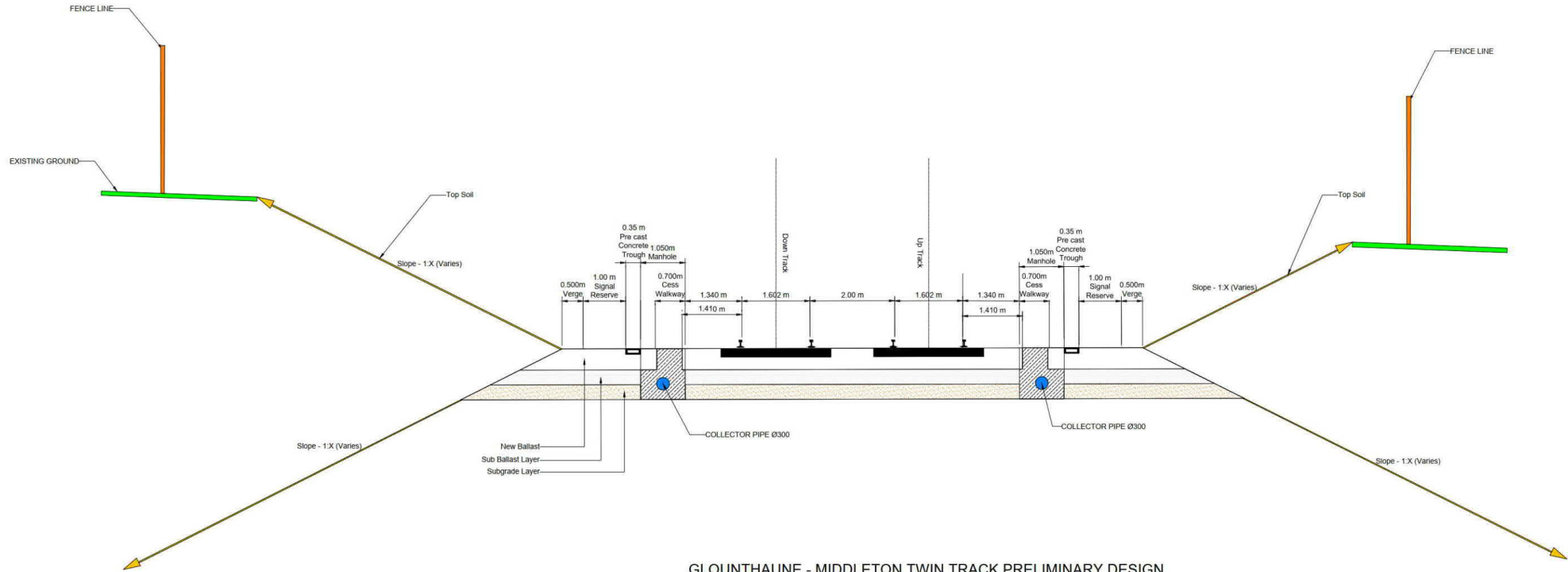
Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RT	BB	JM	Preliminary Design for Public Consultation
P02	22/07/22	IM	NS	—	Preliminary Design for Public Consultation
P03	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Eng Check	Appr	Dwg check	Eng check
22/09/22	R.Tiwar	R.O'CONNOR	G.BERCOT	N.SAMACHETTY		

Drawing File Name **C745-WP3 03-XX-XX-XX-DR-MMD-CE-3001**
 Coordination **N.SAMACHETTY** Approved **J.MCINERNEY** Scale @A1: N/A Scale @A3: 1:2000
 Acceptance **S** Purpose **P1** Rev **P03**

1 Sheet of 1

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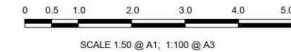


GLOUNTHAUNE - MIDDLETON TWIN TRACK PRELIMINARY DESIGN
TYPICAL CROSS SECTION

1:50 @ A1
1:100 @ A3

NOTES:

- All dimension in metres.
- Drainage design in accordance with I-FWY-1136 'Requirements for Design, Installation and Maintenance of Linedrainage'.
- Permanent way track design in accordance with CCE-TMS-340 v1.0 'Horizontal Curvature Design', CCE-TMS-300 v1.8 'Track Construction Requirements and Tolerances' and CCE-TMS-341 v1.0 'Vertical Curvature Design'.
- Refer to drawing no. C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0050 for 'Standard Manhole Detail'.



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Project Title CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDDLETON TWIN TRACK

Drawing Title
Preliminary Design
Typical Cross Section

P01	13/06/22	RT	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN
Rev	Date	Drawn	Eng	Appr	Description

Drawing File Name C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0050		1	Sheet of 1
Date 22/09/22	Designed R.TWARI	Drawn R.O'CONNOR	Dwg check K.STEPHENS
			Eng check N.SAMACHETTY
			Coordination N.SAMACHETTY
			Approved J.MOINERNEY
			Scale @A1: NTS Scale @A3: 1:50
			Acceptance S
			Purpose P1
			Rev P02

PERMANENT WAY PLANS

DRAWING NUMBER

DRAWING TITLE

C745-WP3_03-XX-XX-XXX-DR-MMD-PW-1000	GENERAL ARRANGEMENT PERMANENT WAY.TITLE SHEET AND KEY PLAN
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0001	GENERAL ARRANGEMENT PERMANENT WAY.Ch380 to Ch660
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0002	GENERAL ARRANGEMENT PERMANENT WAY.Ch660 to Ch1030
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0003	GENERAL ARRANGEMENT PERMANENT WAY.Ch1030 to Ch1400
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0004	GENERAL ARRANGEMENT PERMANENT WAY.Ch1400 to Ch1780
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0005	GENERAL ARRANGEMENT PERMANENT WAY.Ch1780 to Ch2150
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0006	GENERAL ARRANGEMENT PERMANENT WAY.Ch2150 to Ch2520
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0007	GENERAL ARRANGEMENT PERMANENT WAY.Ch2520 to Ch2900
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0008	GENERAL ARRANGEMENT PERMANENT WAY.Ch2900 to Ch3280
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0009	GENERAL ARRANGEMENT PERMANENT WAY.Ch3280 to Ch3660
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0010	GENERAL ARRANGEMENT PERMANENT WAY.Ch3660 to Ch4040
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0011	GENERAL ARRANGEMENT PERMANENT WAY.Ch4040 to Ch4420
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0012	GENERAL ARRANGEMENT PERMANENT WAY.Ch4420 to Ch4800
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0013	GENERAL ARRANGEMENT PERMANENT WAY.Ch4800 to Ch5180
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0014	GENERAL ARRANGEMENT PERMANENT WAY.Ch5180 to Ch5560
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0015	GENERAL ARRANGEMENT PERMANENT WAY.Ch5560 to Ch5940
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0016	GENERAL ARRANGEMENT PERMANENT WAY.Ch5940 to Ch6320
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0017	GENERAL ARRANGEMENT PERMANENT WAY.Ch6320 to Ch6700
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0018	GENERAL ARRANGEMENT PERMANENT WAY.Ch6700 to Ch7080
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0019	GENERAL ARRANGEMENT PERMANENT WAY.Ch7080 to Ch7460
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0020	GENERAL ARRANGEMENT PERMANENT WAY.Ch7460 to Ch7840
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0021	GENERAL ARRANGEMENT PERMANENT WAY.Ch7840 to Ch8220
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0022	GENERAL ARRANGEMENT PERMANENT WAY.Ch8220 to Ch8600
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0023	GENERAL ARRANGEMENT PERMANENT WAY.Ch8600 to Ch8980
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0024	GENERAL ARRANGEMENT PERMANENT WAY.Ch8980 to Ch9360
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0025	GENERAL ARRANGEMENT PERMANENT WAY.Ch9360 to Ch9740
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0026	GENERAL ARRANGEMENT PERMANENT WAY.Ch9740 to Ch10120
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0027	GENERAL ARRANGEMENT PERMANENT WAY.Ch10120 to Ch10500
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0028	GENERAL ARRANGEMENT PERMANENT WAY.Ch10500 to Ch10630





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2040



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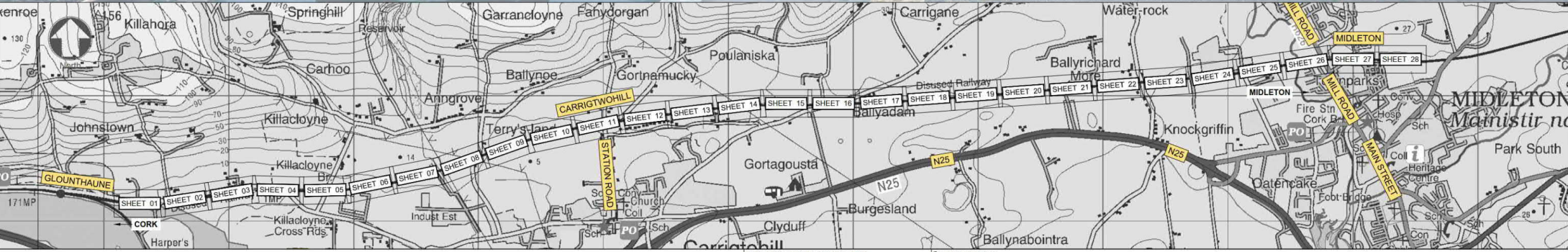
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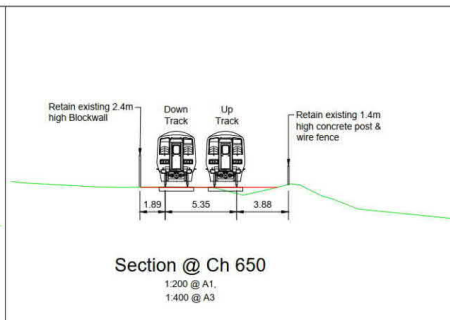
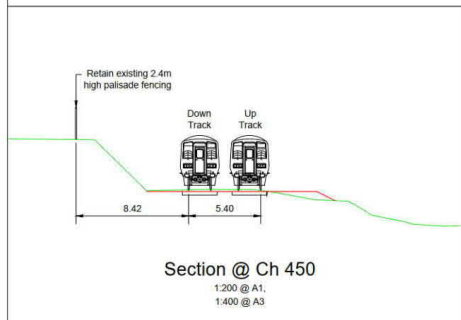
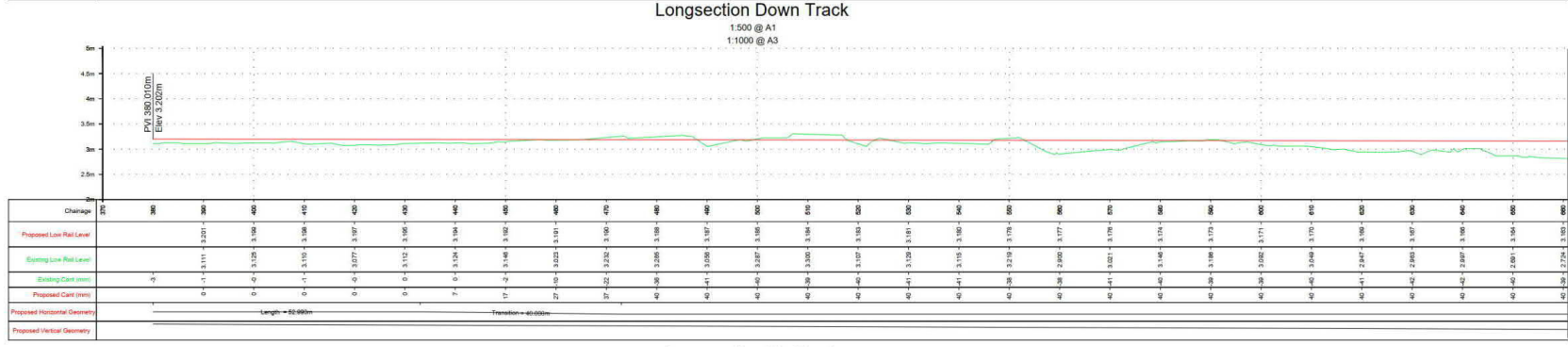
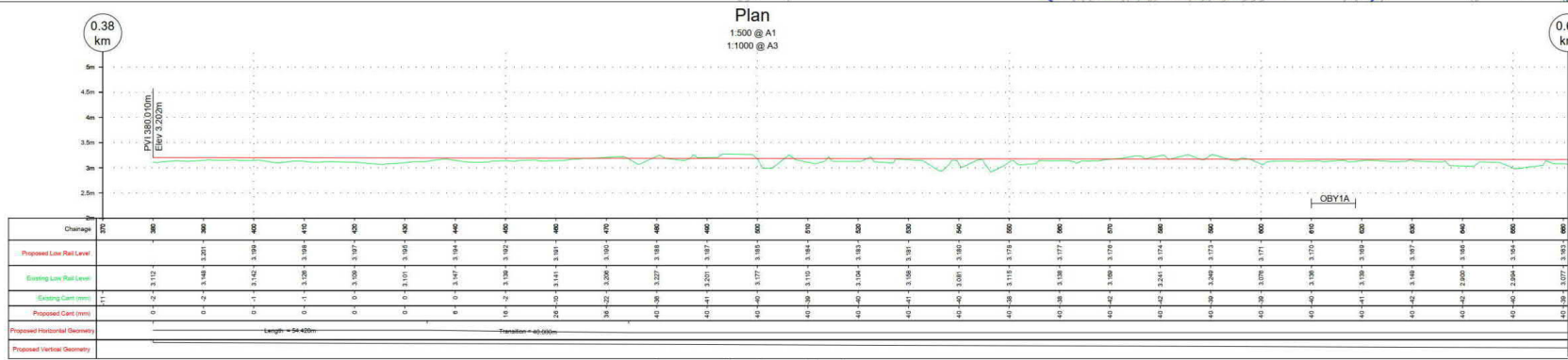
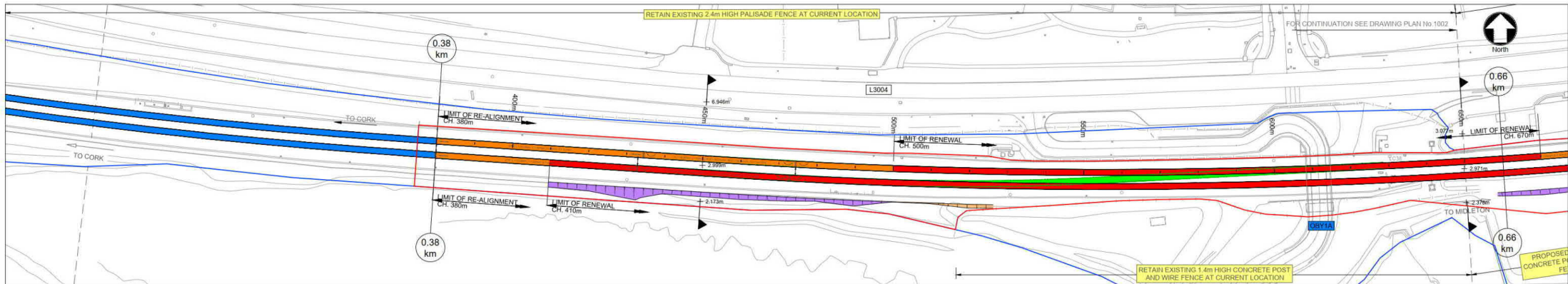


GLOUNTHAUNE - MIDLETON TWIN TRACK

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Client: Iarnród Éireann-Irish Rail Connolly Station Amiens Street Dublin 1 D01 VEVE	Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY TITLE SHEET AND KEY PLAN	Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-PW-1000 Coordination: N.SAMACHETTY Approved: J.MCINERNEY Scale @A1: NTS Scale @A3: NTS Acceptance: S Purpose: P1 Rev: P01
MOTT MACDONALD 5 Eastgate Avenue Eastgate Little Island Cork Ireland T +353 (0) 21 4809800 F +353 (0) 21 4809801 W www.mottmac.com		1 Sheet of 1

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DO NOT SCALE USE FIGURED DIMENSIONS ONLY



LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- PROPOSED EMBANKMENT IN CUT
- PROPOSED EMBANKMENT IN FILL
- 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
- EXISTING RUNNING LINES
- EXISTING TRACK SLUED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- EXISTING TRACKWORK TO BE REMOVED

NOTES

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- LONGITUDINAL VERTICAL ALIGNMENT MARKERS IN KILOMETRES (km)

SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P02	22/07/22	RO	NS	JM	Preliminary Design for Public Consultation
P03	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

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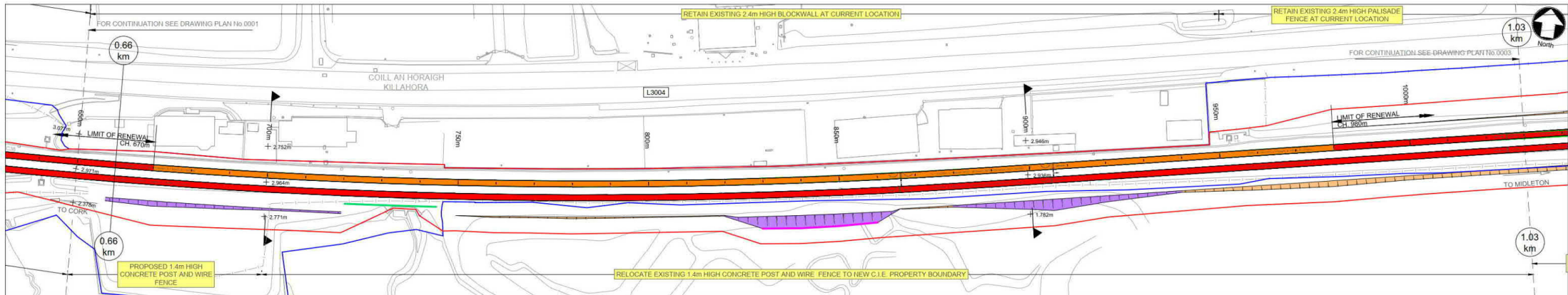
Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDLETON TWIN TRACK

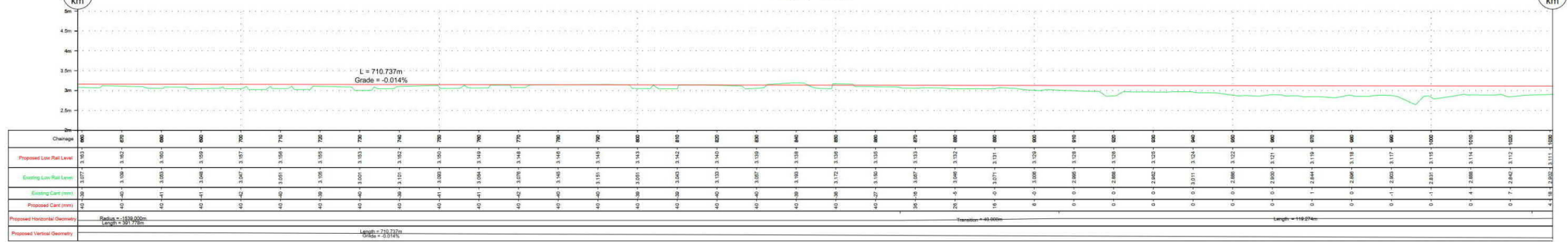
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 CH380 TO CH660

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 Scale @A3: AS SHOWN

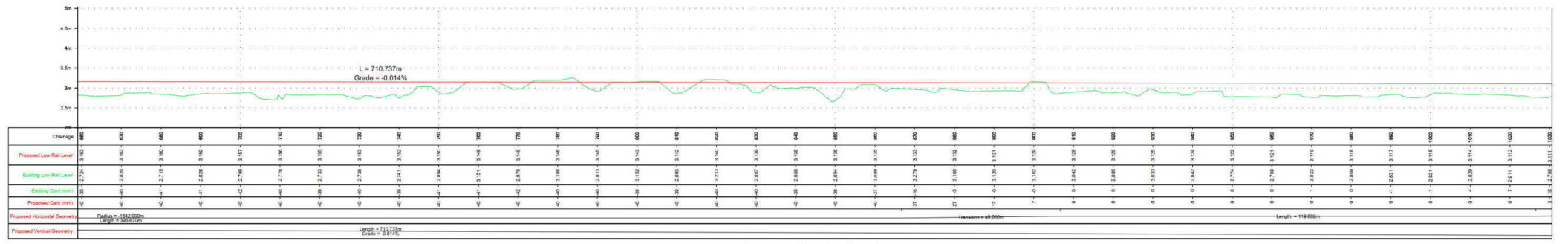
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 Purpose: P1
 Rev: P03



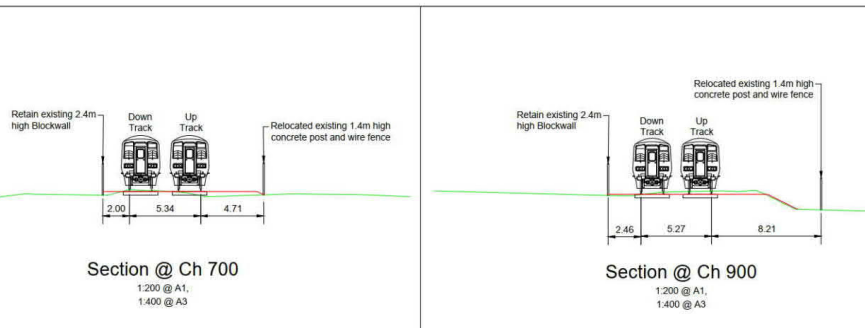
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1:500 @ A1, 1:1000 @ A3



Longsection Down Track
1:500 @ A1, 1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3



LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- PROPOSED EMBANKMENT IN CUT
- PROPOSED EMBANKMENT IN FILL
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- EXISTING STRUCTURE TO BE DEMOLISHED
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- EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
- EXISTING RUNNING LINES
- EXISTING TRACK SLUED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- EXISTING TRACKWORK TO BE REMOVED

NOTES

- DO NOT SCALE USE FIGURED DIMENSIONS ONLY
- PROJECT CHAINAGE IS IN METRES (m)
- LONGITUDINAL VERTICAL ALIGNMENT MARKERS IN KILOMETRES (km)

SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P02	22/07/22	RO	NS	JM	Preliminary Design for Public Consultation
P03	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

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Iarnród Éireann Irish Rail

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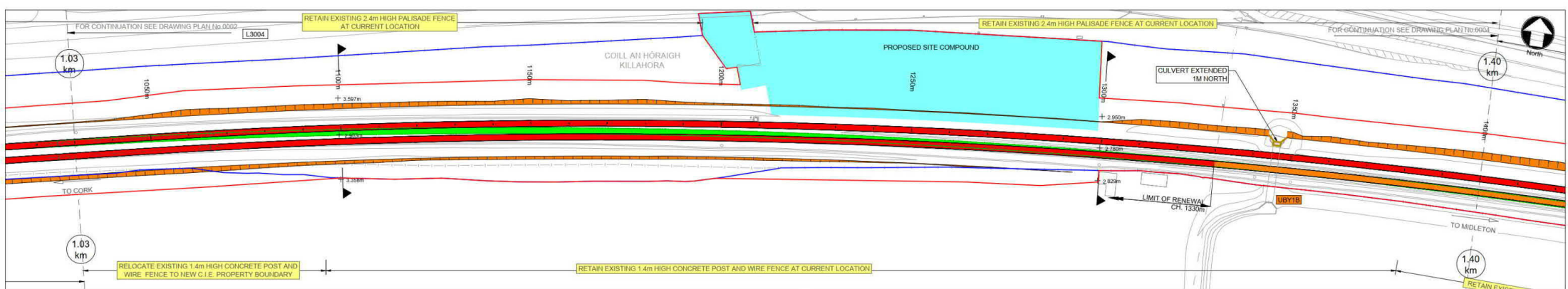
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GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY
CH660 TO CH1030

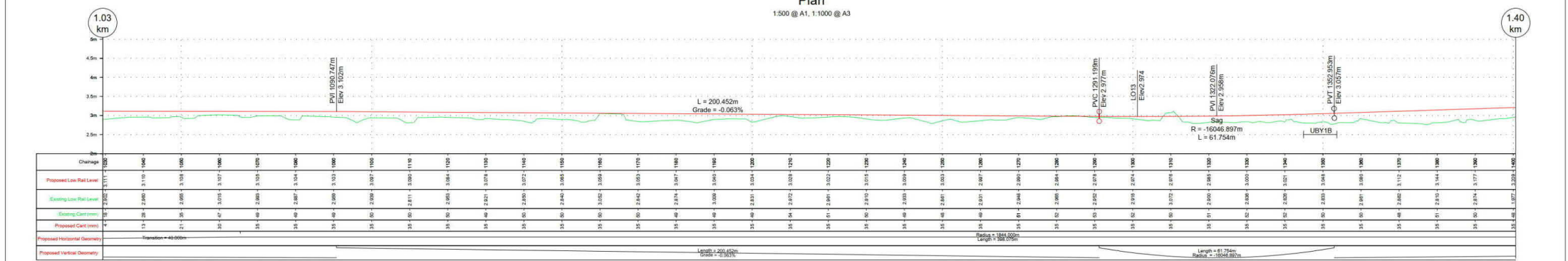
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Purpose: P1
Rev: P03

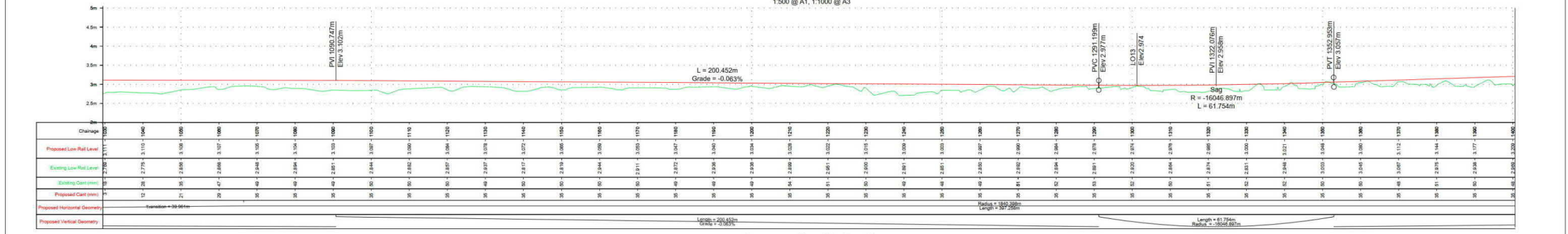
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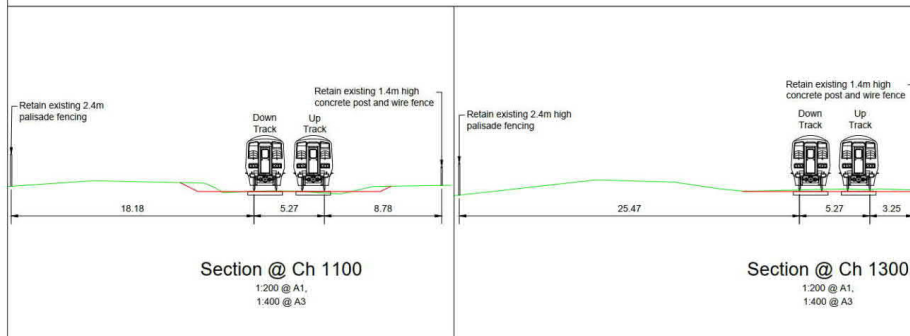
Plan
1:500 @ A1, 1:1000 @ A3



Longsection Down Track
1:500 @ A1, 1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3



Section @ Ch 1100
1:200 @ A1,
1:400 @ A3

Section @ Ch 1300
1:200 @ A1,
1:400 @ A3

LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- PROPOSED EMBANKMENT IN CUT
- PROPOSED EMBANKMENT IN FILL
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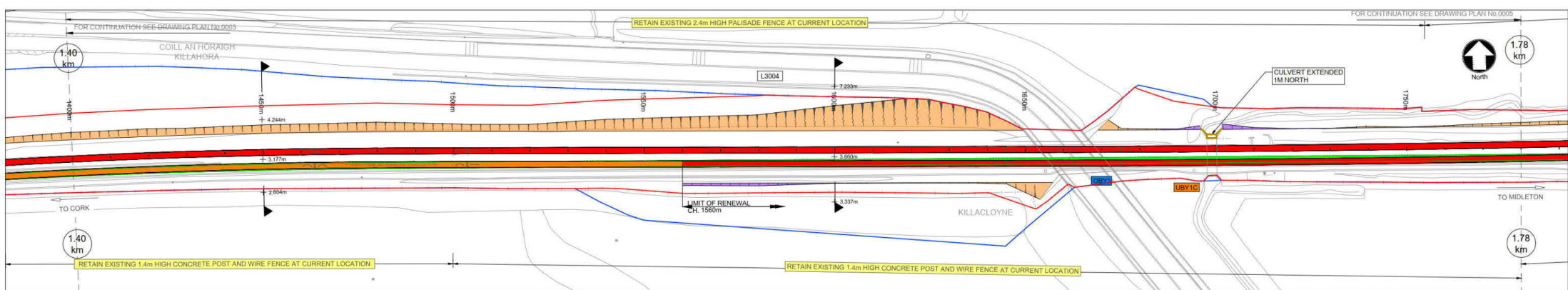
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CH1030 TO CH1400

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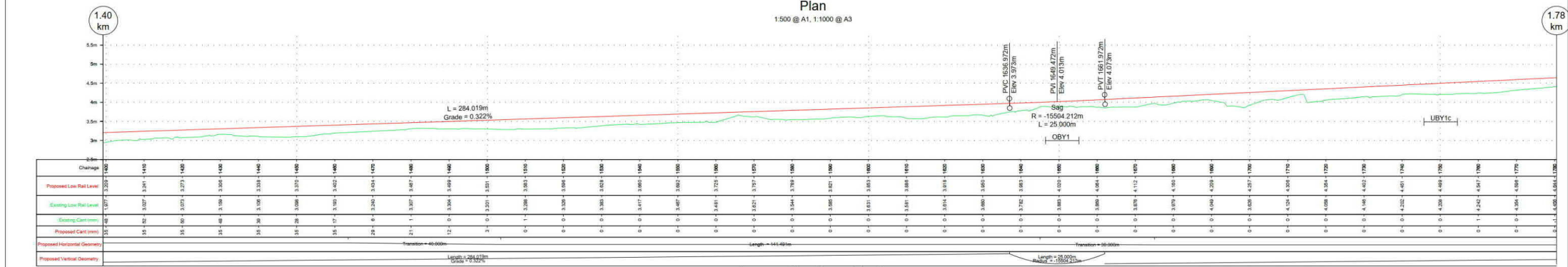
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Scale @ A3: AS SHOWN

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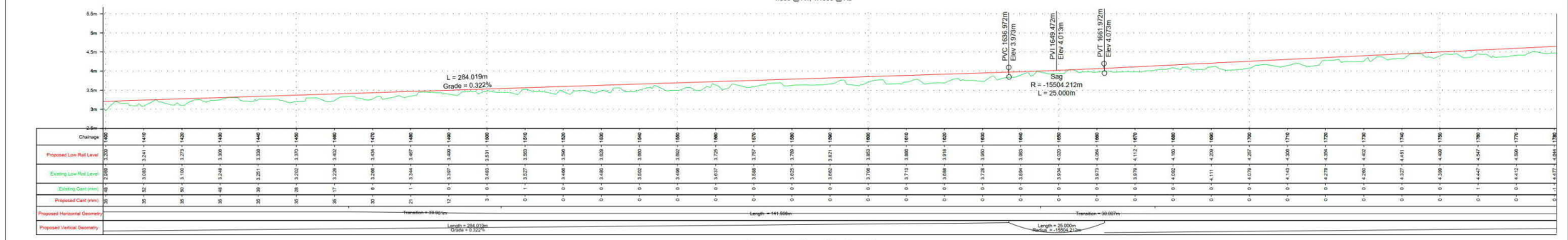
Rev P1



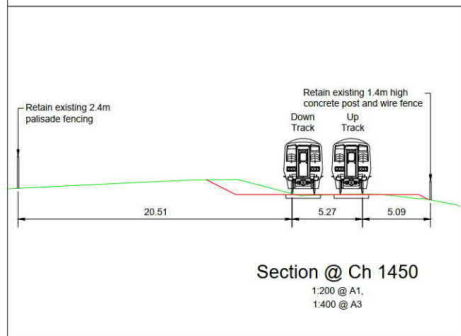
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1:500 @ A1, 1:1000 @ A3



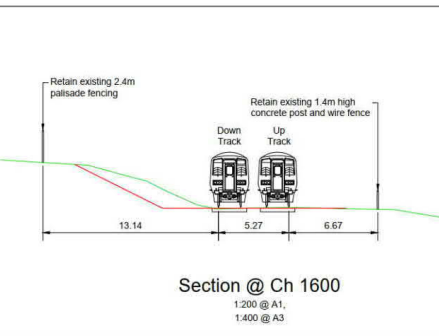
Longsection Down Track
1:500 @ A1, 1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3



Section @ Ch 1450
1:200 @ A1,
1:400 @ A3



Section @ Ch 1600
1:200 @ A1,
1:400 @ A3

LEGEND

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SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P02	22/07/22	RO	NS	JM	Preliminary Design for Public Consultation
P03	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

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W www.mottmac.com

Client: Iarnród Éireann-Irish Rail
Connolly Station
Amiens Street
Dublin 1
DOI VEIV

Iarnród Éireann Irish Rail

CIE

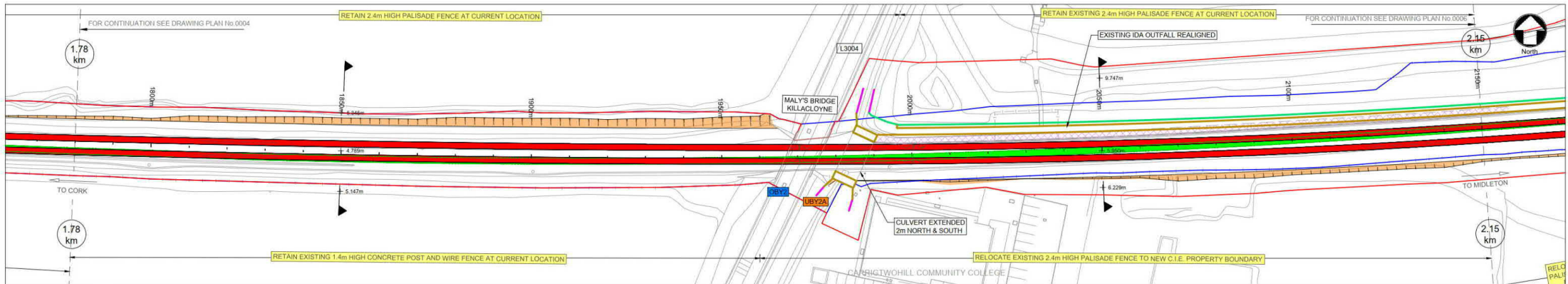
Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY
CH1400 TO CH1780

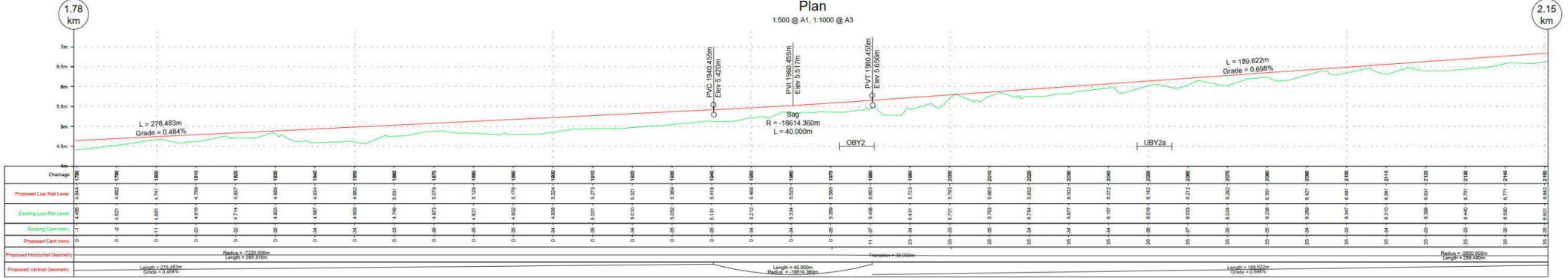
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Coordination: N.SAMACHETTY
Approved: J.MCINERNEY
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Scale @ A3: AS SHOWN

4 of 28
Sheet of
Purpose: P1
Rev: P03

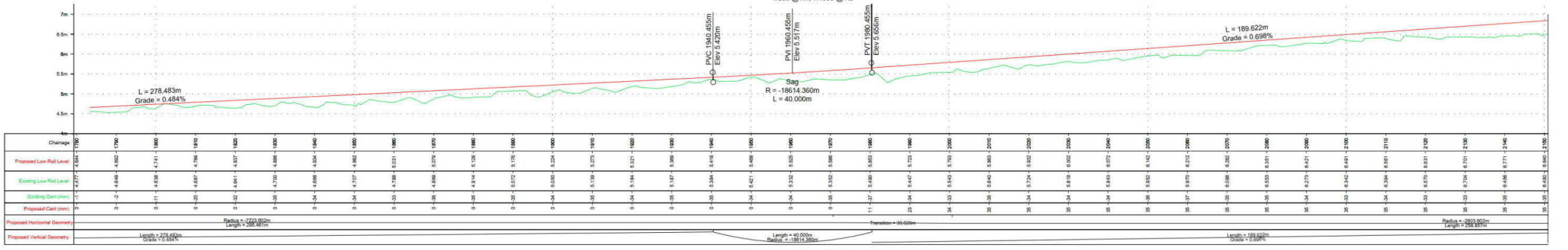
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C:\Users\oc03555\Documents\local\projects\cork\irish-rail\mmd-gb-pw-03\0329\61745-WP3_03-XX-XX-DR-MMD-PW-0004.dwg Sep 23, 2022 - 1:48PM OCO35553



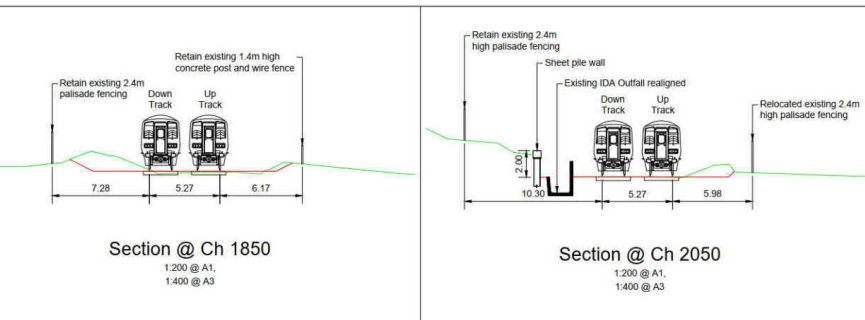
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1:500 @ A1; 1:1000 @ A3



Longsection Down Track
1:500 @ A1; 1:1000 @ A3



Longsection Up Track
1:500 @ A1; 1:1000 @ A3

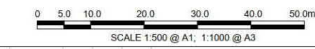


Section @ Ch 1850
1:200 @ A1,
1:400 @ A3

Section @ Ch 2050
1:200 @ A1,
1:400 @ A3

LEGEND	
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP
	EXISTING FENCING
	PROPOSED EMBANKMENT IN CUT
	PROPOSED EMBANKMENT IN FILL
	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
	EXISTING RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	EXISTING TRACKWORK TO BE REMOVED

- NOTES
- DO NOT SCALE USE FIGURED DIMENSIONS ONLY
 - PROJECT CHAINAGE IS IN METRES (m)
 - LONGITUDINAL VERTICAL ALIGNMENT MARKERS IN KILOMETRES (km)



Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P02	22/07/22	RO	NS	JM	Preliminary Design for Public Consultation
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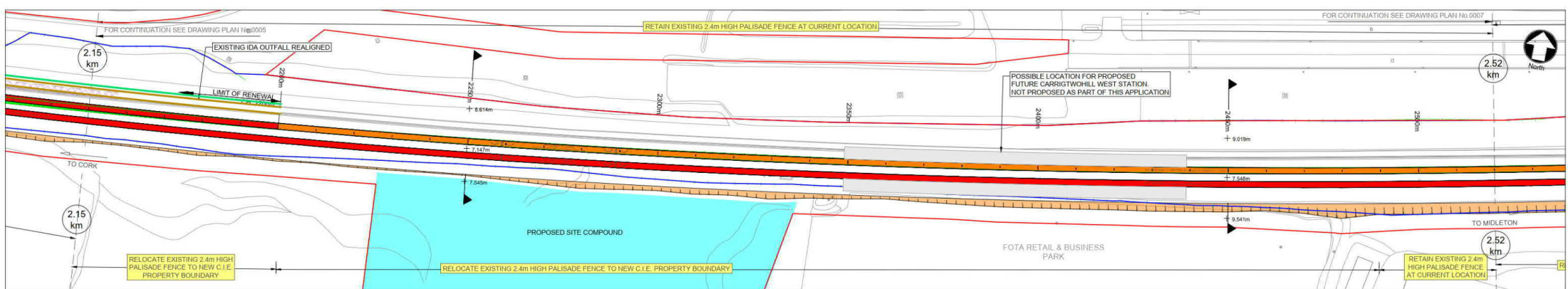
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F +353 (0) 21 4809801
W www.mottmac.com

Iarnród Éireann Irish Rail
Client: Iarnród Éireann-Irish Rail
Control Station
Amiens Street
Dublin 1
D01 VEVG

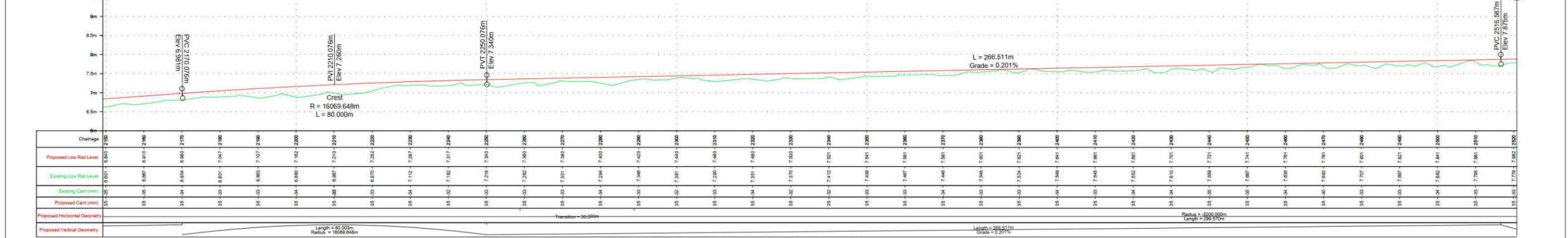
Project Title
**CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title
**GENERAL ARRANGEMENT PERMANENT WAY
CH1780 TO CH2150**

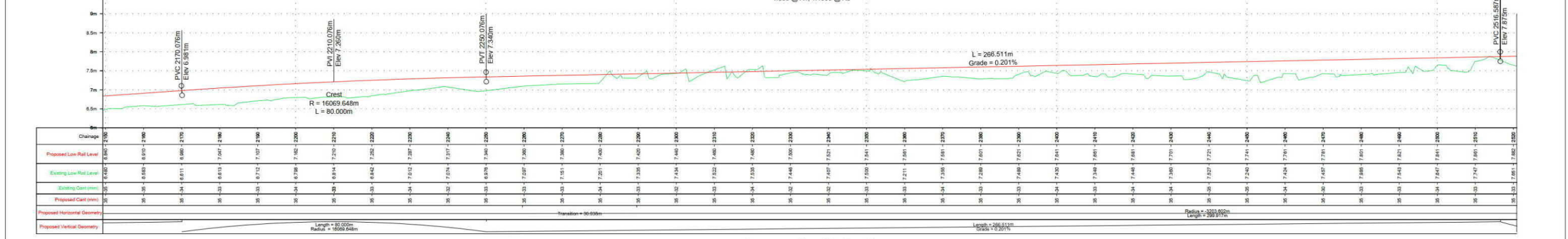
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Coordination N.SAMACHETTY	Approved J.MOINERNEY	Scale @ A1: 1:500 Scale @ A3: AS SHOWN	Acceptance S
Date 22/09/22	Designed D. ALDERSON	Drawn R.O'CONNOR	Eng check G.BERCOT
			Eng check N.SAMACHETTY



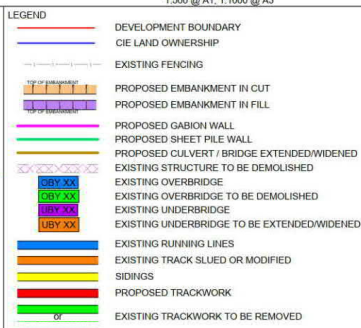
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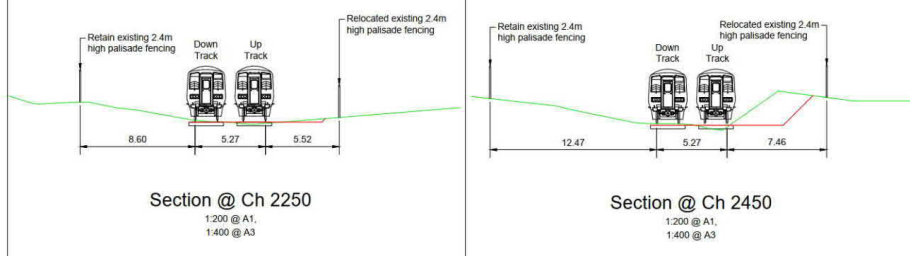
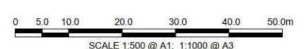
Longsection Down Track
1:500 @ A1, 1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3



- NOTES**
- DO NOT SCALE USE FIGURED DIMENSIONS ONLY
 - PROJECT CHAINAGE IS IN METRES (m)
 - LONGITUDINAL VERTICAL ALIGNMENT MARKERS IN KILOMETRES (km)



Section @ Ch 2250
1:200 @ A1,
1:400 @ A3

Section @ Ch 2450
1:200 @ A1,
1:400 @ A3

Client: **Iarnród Éireann-Irish Rail**
Control Station
Amiens Street
Dublin 1
DOI VEVI

Project Title: **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDDLETON TWIN TRACK**

Drawing Title: **GENERAL ARRANGEMENT PERMANENT WAY
CH2150 TO CH2520**

Drawing File Name: **C745-WP3**

Coordination: **N.SAMACHETTY** | Approved: **J.MCINERNEY** | Scale @ A1: 1:500 | Acceptance: **S**

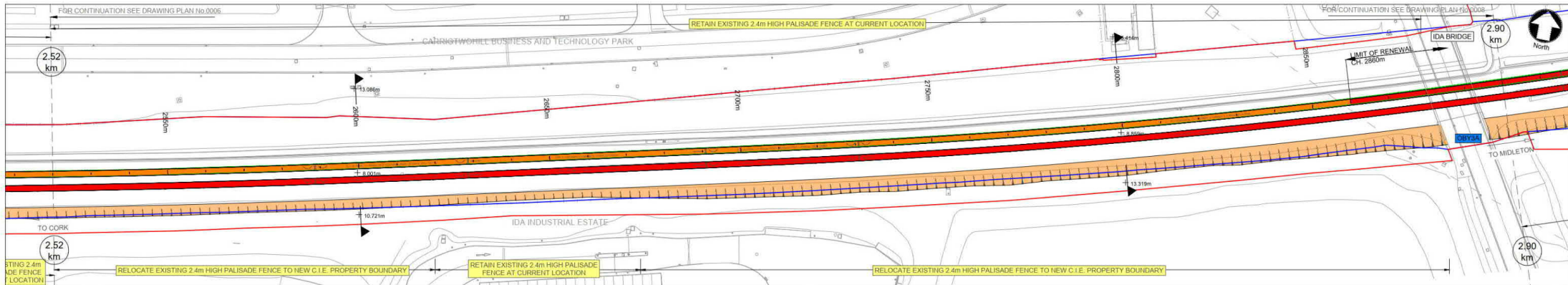
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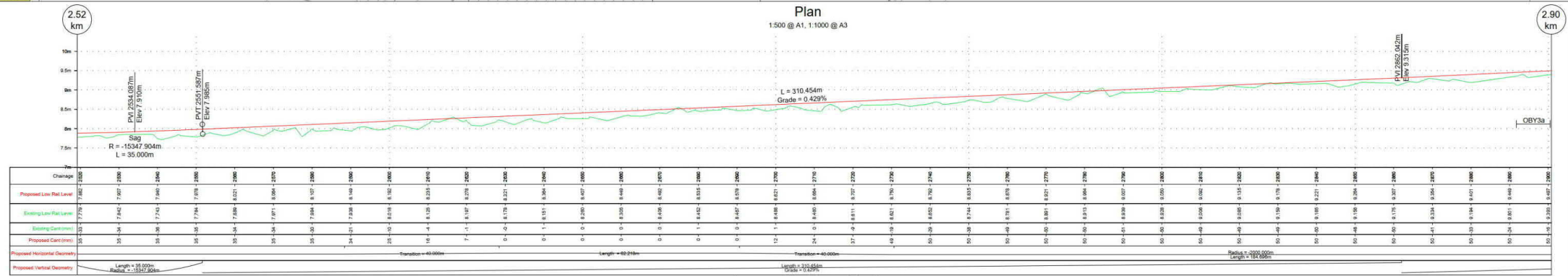
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P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P02	22/07/22	RO	NS	JM	Preliminary Design for Public Consultation
P03	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

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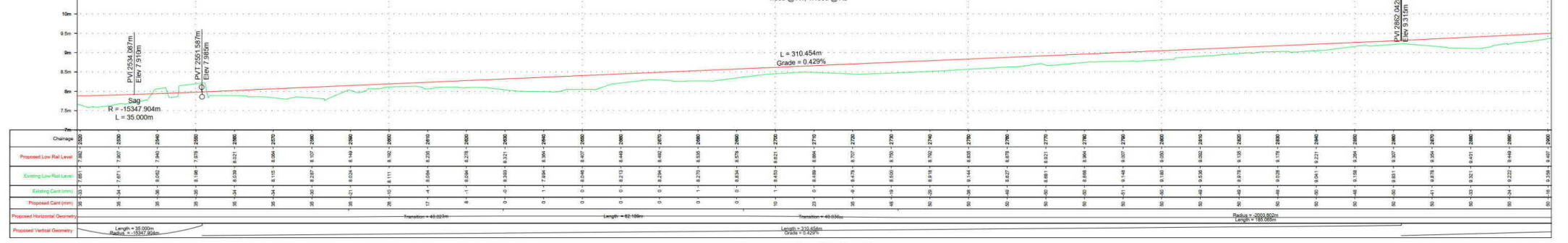
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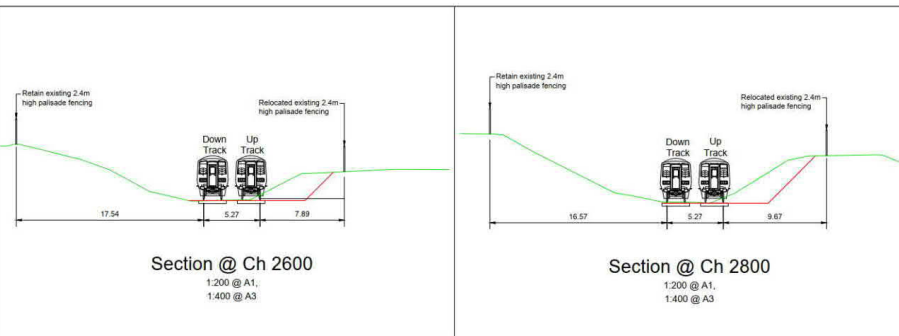
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1:500 @ A1, 1:1000 @ A3



Longsection Down Track
1:500 @ A1, 1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3



LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- PROPOSED EMBANKMENT IN CUT
- PROPOSED EMBANKMENT IN FILL
- PROPOSED GABIION 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
- EXISTING RUNNING LINES
- EXISTING TRACK SLUED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- EXISTING TRACKWORK TO BE REMOVED

NOTES

- DO NOT SCALE USE FIGURED DIMENSIONS ONLY
- PROJECT CHAINAGE IS IN METRES (m)
- LONGITUDINAL VERTICAL ALIGNMENT MARKERS IN KILOMETRES (km)

SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P02	22/07/22	RO	NS	JM	Preliminary Design for Public Consultation
P03	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

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D01 Y6V6

Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY
CH2520 TO CH2900

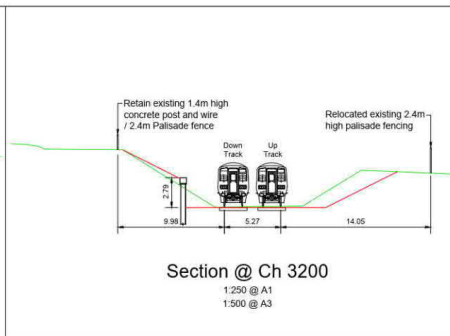
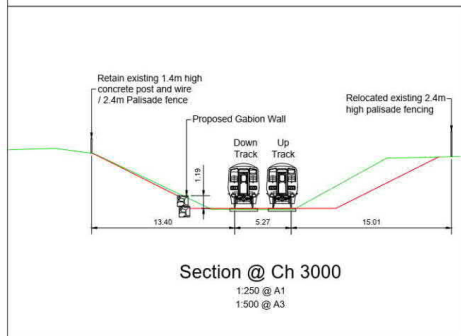
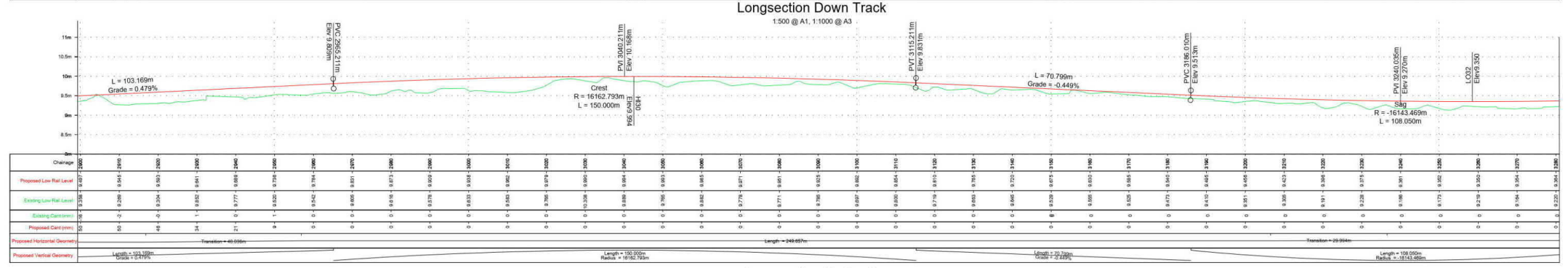
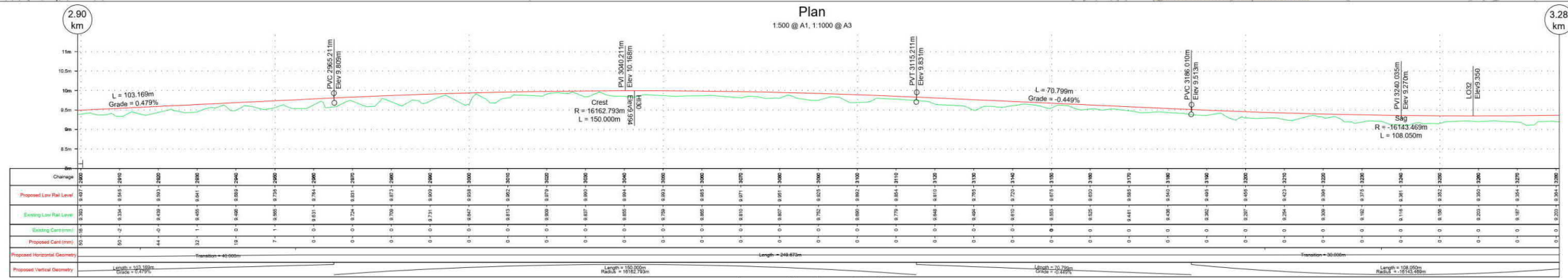
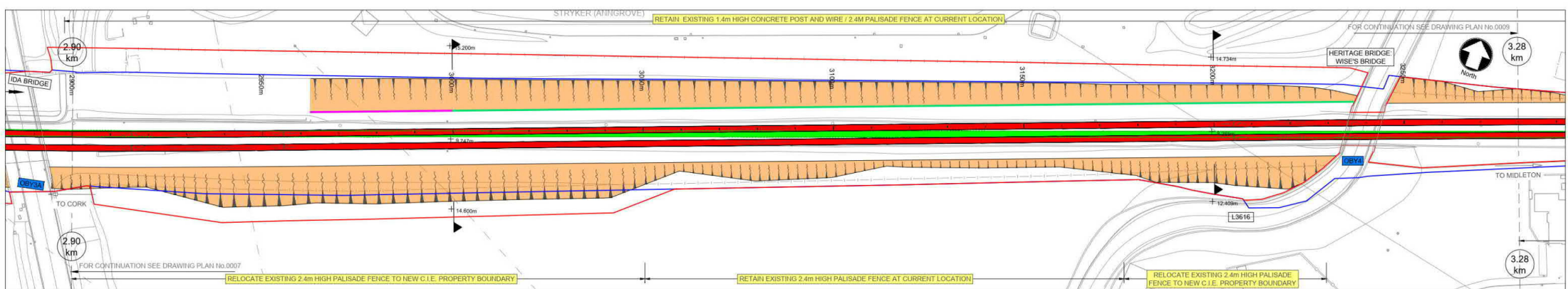
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7 Sheet of 28

Date: 22/09/22
Designed: D. ALDERSON
Drawn: R. O'CONNOR
Dwg check: G. BERCOIT
Eng check: N. SAMACHETTY

Scale @ A1: 1:500
Scale @ A3: AS SHOWN

Approval: S
Purpose: P1
Rev: P03



LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- PROPOSED EMBANKMENT IN CUT
- PROPOSED EMBANKMENT IN FILL
- PROPOSED GABION WALL
- PROPOSED SHEET PILE WALL
- PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
- EXISTING STRUCTURE TO BE DEMOLISHED
- EXISTING OVERBRIDGE
- EXISTING UNDERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
- EXISTING RUNNING LINES
- EXISTING TRACK SLUED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- EXISTING TRACKWORK TO BE REMOVED

NOTES

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- LONGITUDINAL VERTICAL ALIGNMENT MARKERS IN KILOMETRES (km)

SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
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Iarnród Éireann Irish Rail Client: Iarnród Éireann-Irish Rail, Connolly Station, Amiens Street, Dublin 1, D01 VEV6

CIE

Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK

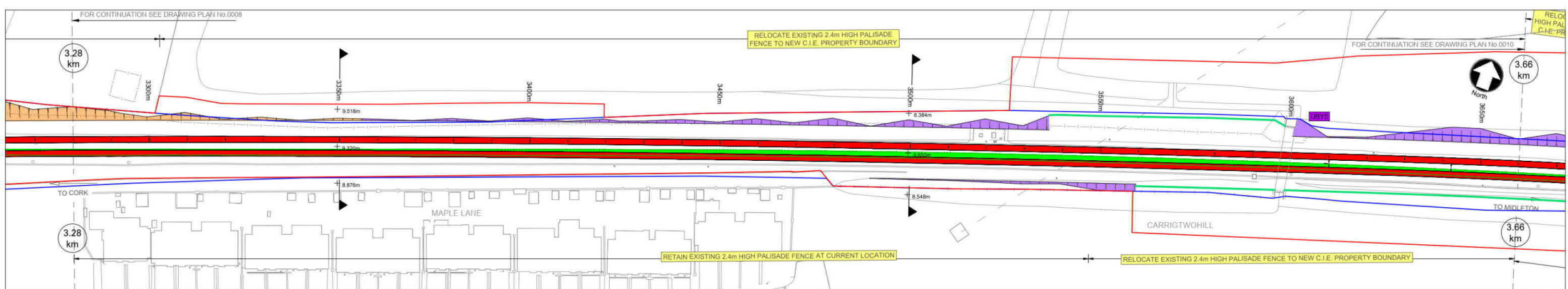
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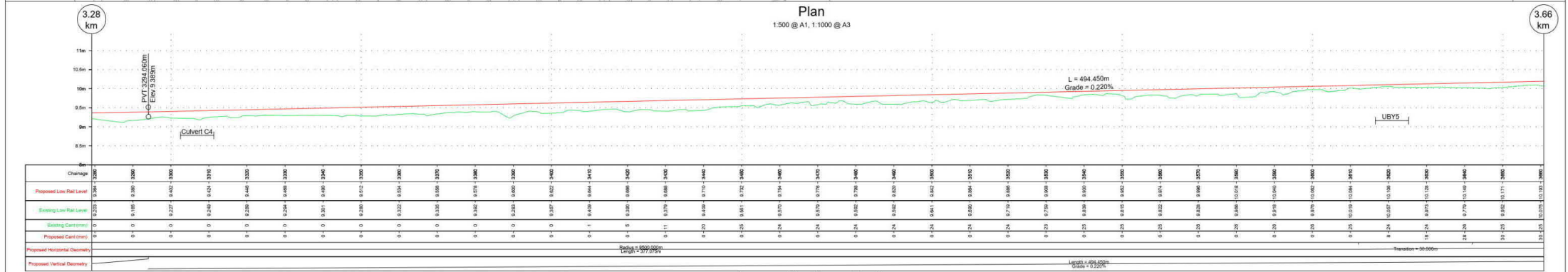
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8 Sheet of 28

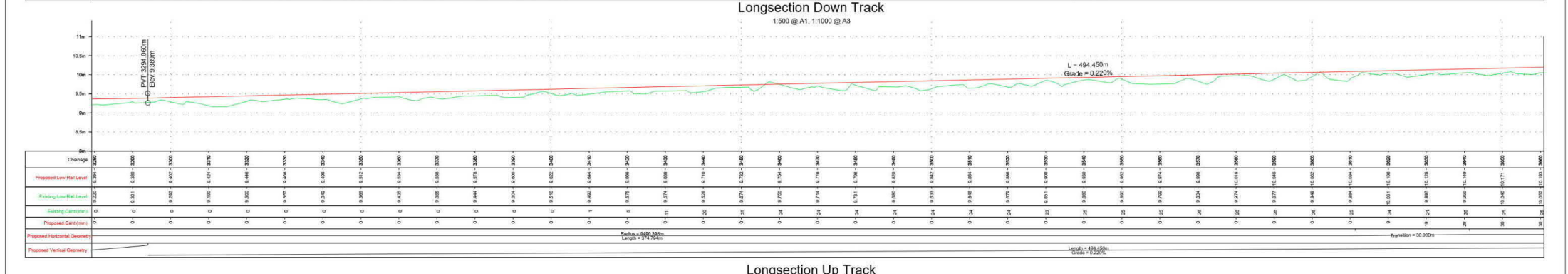
Date: 22/09/22 | Designed: D. ALDERSON | Drawn: R.OCONNOR | Dwg check: G.BERCOT | Eng check: N.SAMACHETTY



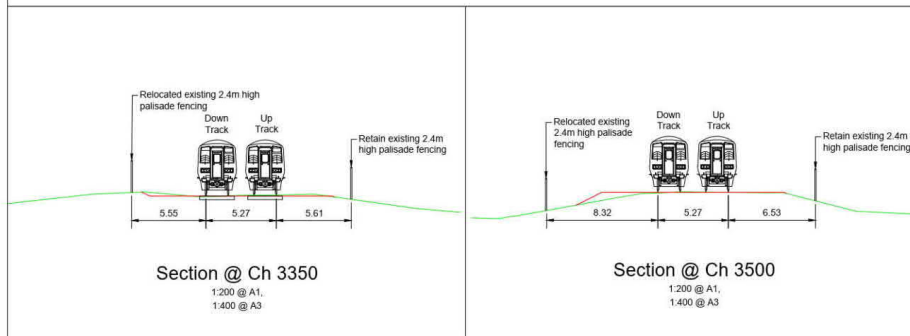
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Longsection Down Track
1:500 @ A1, 1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3



LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- PROPOSED EMBANKMENT IN CUT
- PROPOSED EMBANKMENT IN FILL
- 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
- EXISTING RUNNING LINES
- EXISTING TRACK SLOUED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- EXISTING TRACKWORK TO BE REMOVED

NOTES

- DO NOT SCALE USE FIGURED DIMENSIONS ONLY
- PROJECT CHAINAGE IS IN METRES (m)
- LONGITUDINAL VERTICAL ALIGNMENT MARKERS IN KILOMETRES (km)

SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
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Iarnród Éireann Irish Rail

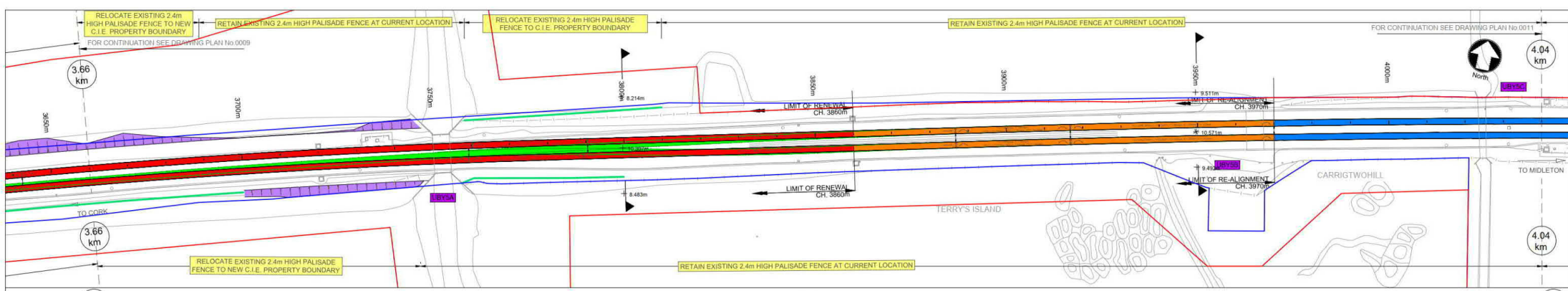
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Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

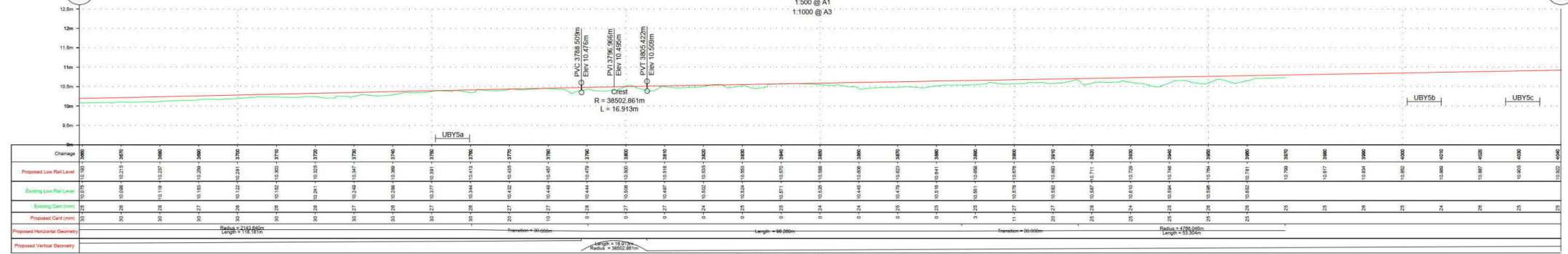
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CH3280 TO CH3600

Drawing File Name: C745-WP3
Coordination: N.SAMACHETTY
Approved: J.MCINERNEY
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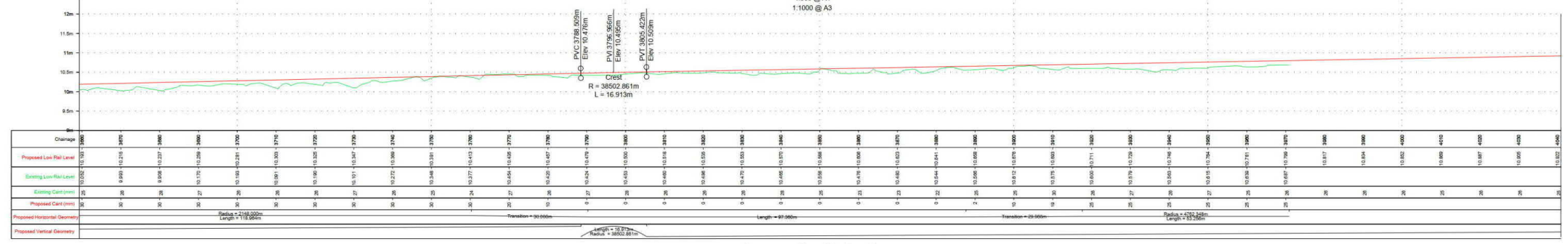
9 Sheet of 28
Purpose: P1
Rev: P03



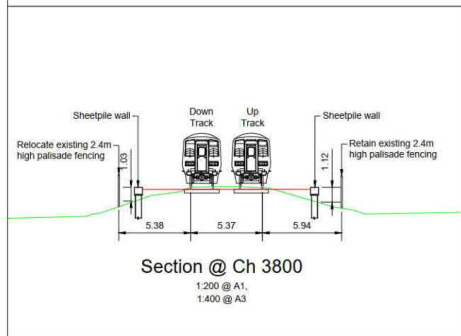
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1:1000 @ A3



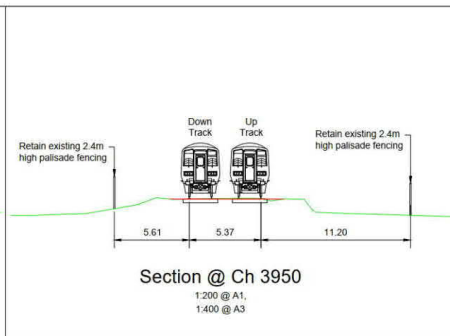
Longsection Down Track
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1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3



Section @ Ch 3800
1:200 @ A1,
1:400 @ A3



Section @ Ch 3950
1:200 @ A1,
1:400 @ A3

LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- PROPOSED EMBANKMENT IN CUT
- PROPOSED EMBANKMENT IN FILL
- PROPOSED GABION WALL
- PROPOSED SHEET PILE WALL
- PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
- EXISTING STRUCTURE TO BE DEMOLISHED
- EXISTING OVERBRIDGE
- EXISTING UNDERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
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SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng	Appr	Description
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Connolly Station
Amiens Street
Dublin 1
D01 VEVG

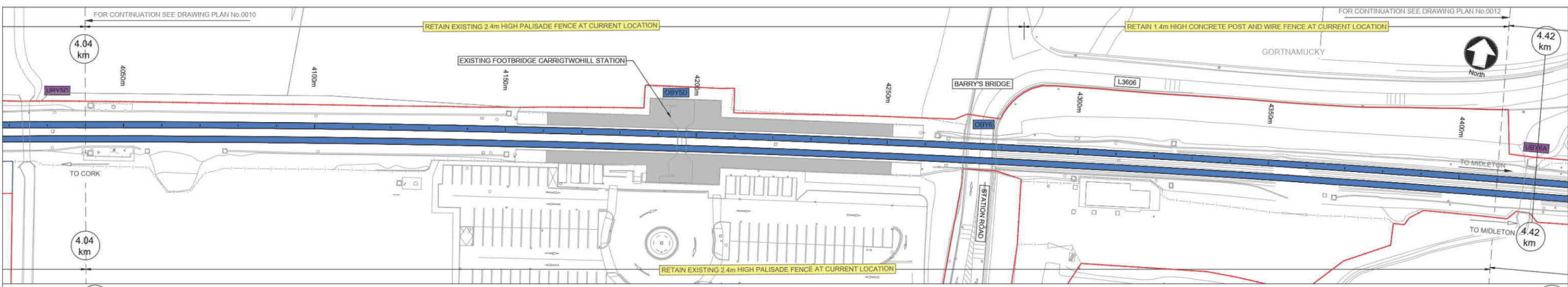
Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY
CH3660 TO CH4040

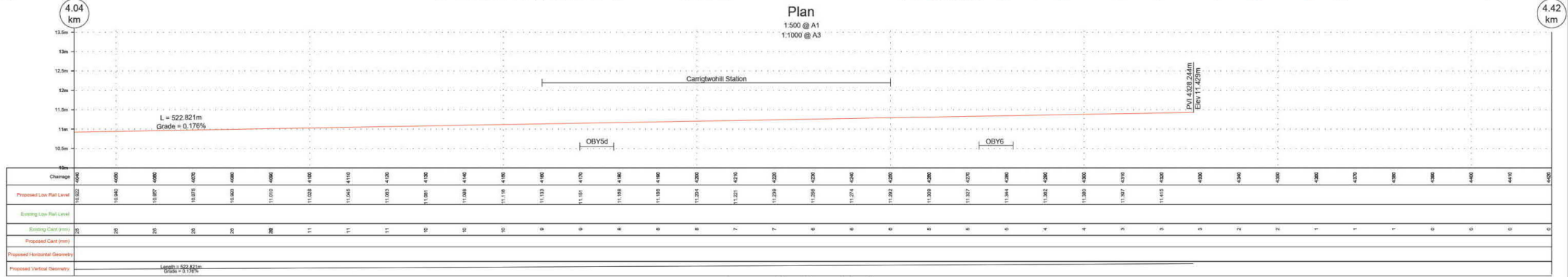
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Coordination: N.SAMACHETTY
Approved: J.MCINERNEY
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10 Sheet of 28
Purpose: P1
Rev: P03



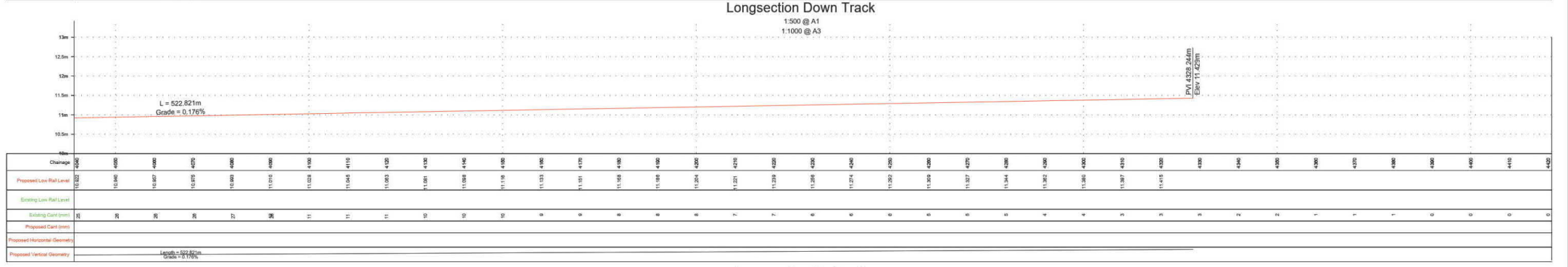
Plan

1:500 @ A1
1:1000 @ A3



Longsection Down Track

1:500 @ A1
1:1000 @ A3



Longsection Up Track

1:500 @ A1; 1:1000 @ A3

LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- TOP OF EMBANKMENT PROPOSED EMBANKMENT IN CUT
- TOP OF EMBANKMENT PROPOSED EMBANKMENT IN FILL
- TOP OF EMBANKMENT PROPOSED GABION WALL
- TOP OF EMBANKMENT PROPOSED SHEET PILE WALL
- TOP OF EMBANKMENT PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
- TOP OF EMBANKMENT EXISTING STRUCTURE TO BE DEMOLISHED
- TOP OF EMBANKMENT EXISTING OVERBRIDGE
- TOP OF EMBANKMENT EXISTING OVERBRIDGE TO BE DEMOLISHED
- TOP OF EMBANKMENT EXISTING UNDERBRIDGE
- TOP OF EMBANKMENT EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
- TOP OF EMBANKMENT EXISTING RUNNING LINES
- TOP OF EMBANKMENT EXISTING TRACK SLUED OR MODIFIED
- TOP OF EMBANKMENT SIDINGS
- TOP OF EMBANKMENT PROPOSED TRACKWORK
- TOP OF EMBANKMENT EXISTING TRACKWORK TO BE REMOVED

NOTES

1. DO NOT SCALE USE FIGURED DIMENSIONS ONLY
2. PROJECT CHAINAGE IS IN METRES (m)
3. LONGITUDINAL VERTICAL ALIGNMENT MARKERS IN KILOMETRES (km)



Rev	Date	Drawn	Eng	Appr	Description
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P02	22/07/22	RO	NS	JM	Preliminary Design for Public Consultation
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Client: Iarnród Éireann-Irish Rail
Connolly Station
Amiens Street
Dublin 1
D01 Y6V6

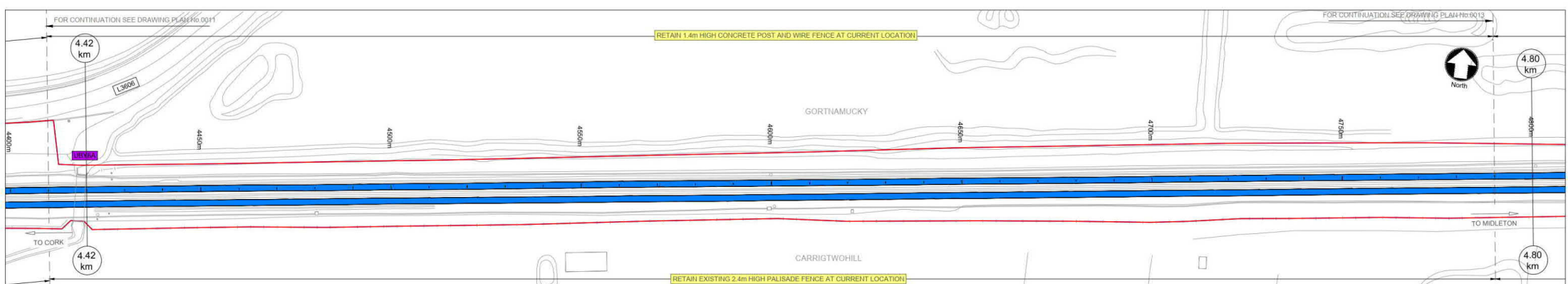
Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY
CH4040 TO CH4420

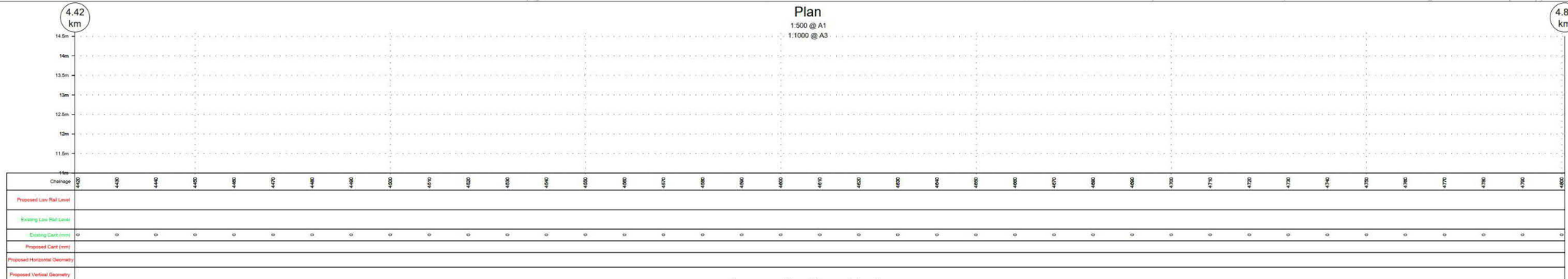
Date	22/09/22	Designed	D. ALDERSON	Drawn	R. O'CONNOR	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY						
Drawing File Name	C745-WP3				Coordination	N. SAMACHETTY	Approved	J. MCINERNEY	Scale @A1: 1:500	Acceptance	S	Purpose	P1	Rev	P03

No change to existing cross-section

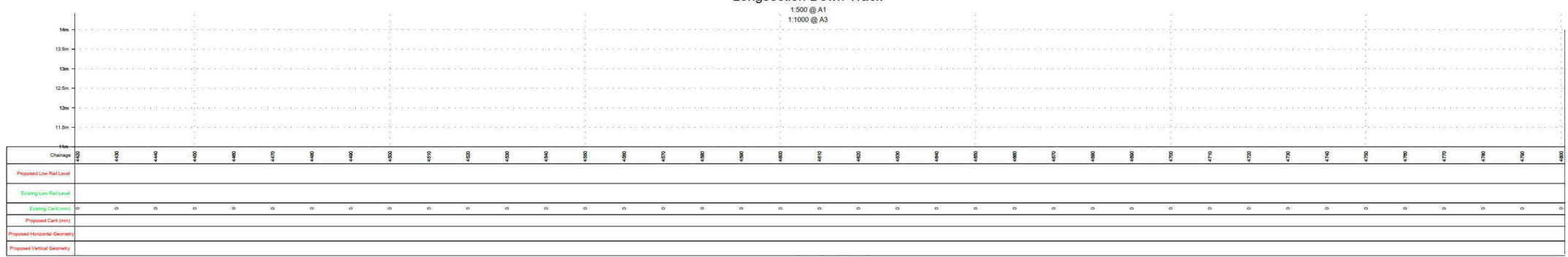
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Plan
1:500 @ A1
1:1000 @ A3



Longsection Down Track
1:500 @ A1
1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3

LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- PROPOSED EMBANKMENT IN CUT
- PROPOSED EMBANKMENT IN FILL
- 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
- EXISTING RUNNING LINES
- EXISTING TRACK SLUED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- EXISTING TRACKWORK TO BE REMOVED

NOTES

- DO NOT SCALE USE FIGURED DIMENSIONS ONLY
- PROJECT CHAINAGE IS IN METRES (m)
- LONGITUDINAL VERTICAL ALIGNMENT MARKERS IN KILOMETRES (km)

Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P02	22/07/22	RO	NS	JM	Preliminary Design for Public Consultation
P03	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	D. ALDERSON	R. O'CONNOR	G. BERCOIT	N. SAMACHETTY

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Iarnród Éireann Irish Rail

CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDDLETON TWIN TRACK

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY
Preferred Option
Ch4420 to Ch4800

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-PW-0012

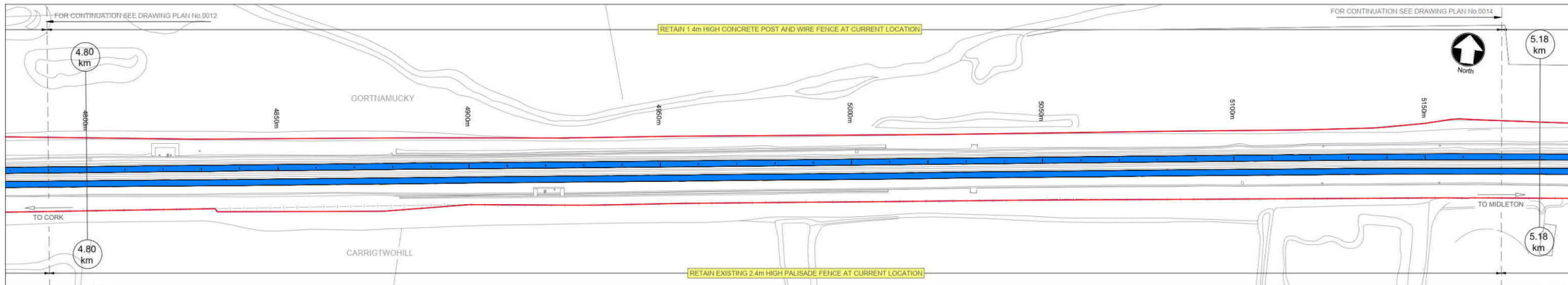
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12 Sheet of 28

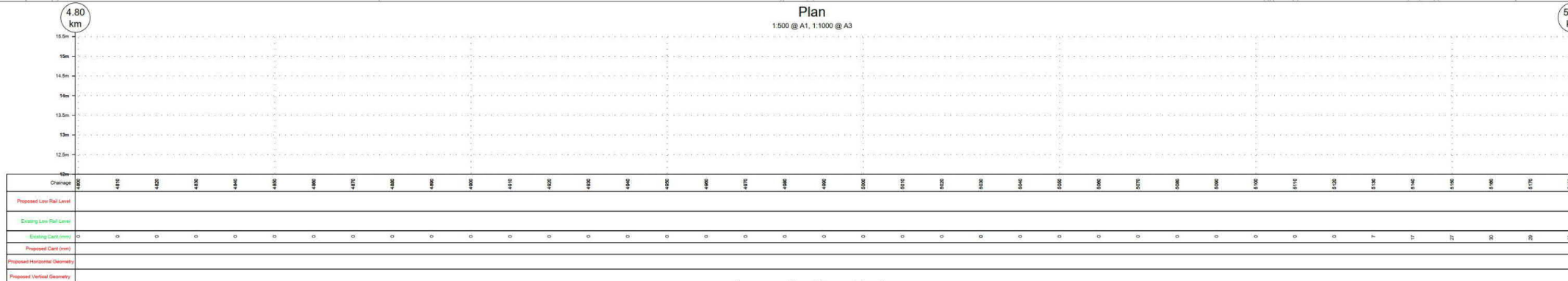
Acceptance Purpose Rev
S P1 P03

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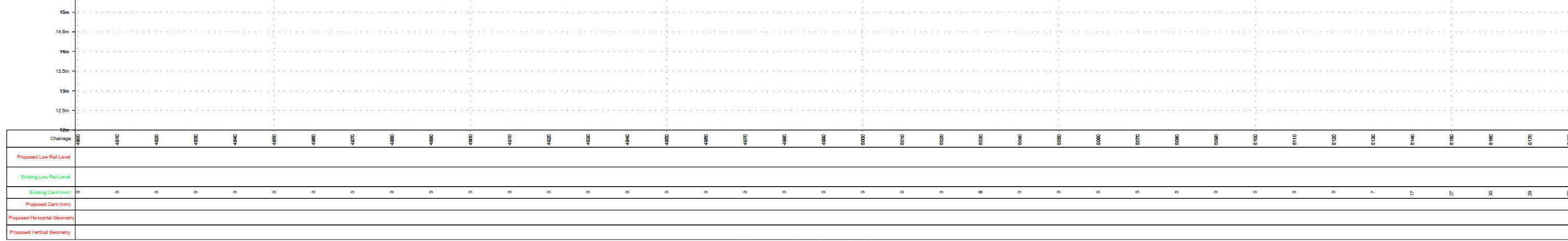
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Plan
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Longsection Down Track
1:500 @ A1, 1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3

No change to existing cross-section

No change to existing cross-section

LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- PROPOSED EMBANKMENT IN CUT
- PROPOSED EMBANKMENT IN FILL
- 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
- EXISTING RUNNING LINES
- EXISTING TRACK SLUED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- OR
- EXISTING TRACKWORK TO BE REMOVED

NOTES

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Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P02	22/07/22	RO	NS	JM	Preliminary Design for Public Consultation
P03	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	D. ALDERSON	R. O'CONNOR	G. BERCOIT	N. SAMACHETTY

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D01 VEVG

Iarnród Éireann Irish Rail

CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

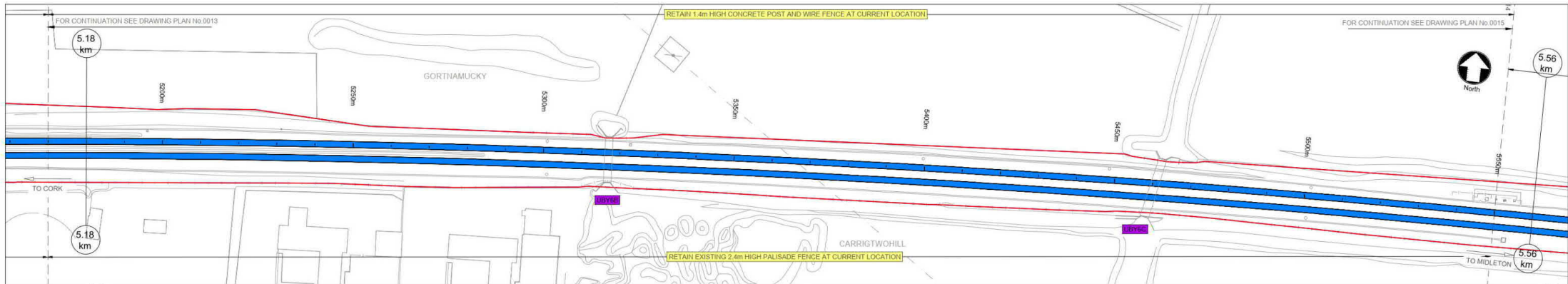
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CH4800 TO CH5180

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-PW-0013

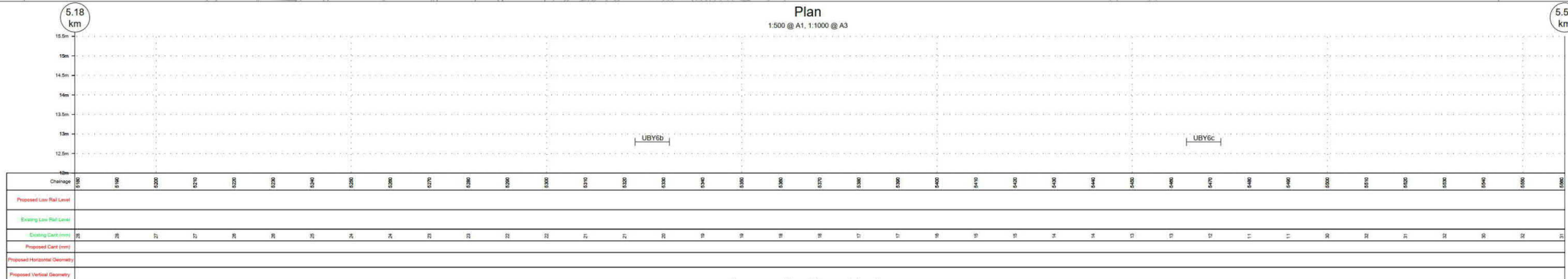
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13 Sheet of 28

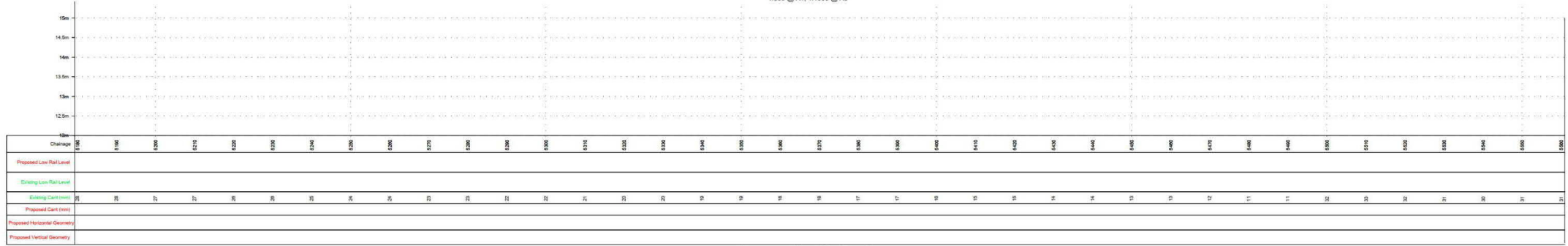
Acceptance Purpose Rev
S P1 P03



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



Longsection Down Track
1:500 @ A1, 1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3

No change to existing cross-section

No change to existing cross-section

LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- PROPOSED EMBANKMENT IN CUT
- PROPOSED EMBANKMENT IN FILL
- 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
- EXISTING RUNNING LINES
- EXISTING TRACK SLUED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- EXISTING TRACKWORK TO BE REMOVED

NOTES

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SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P02	22/07/22	RO	NS	JM	Preliminary Design for Public Consultation
P03	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

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Iarnród Éireann Irish Rail

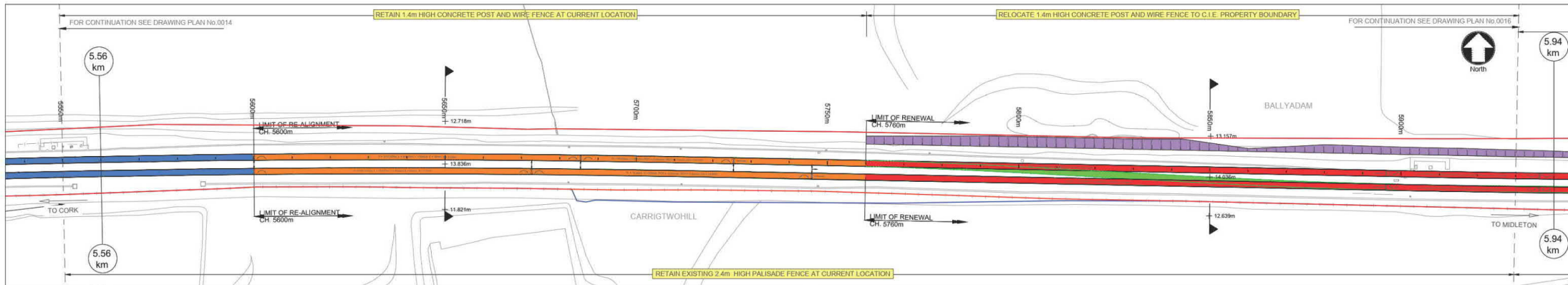
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GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY
CH5180 TO CH5560

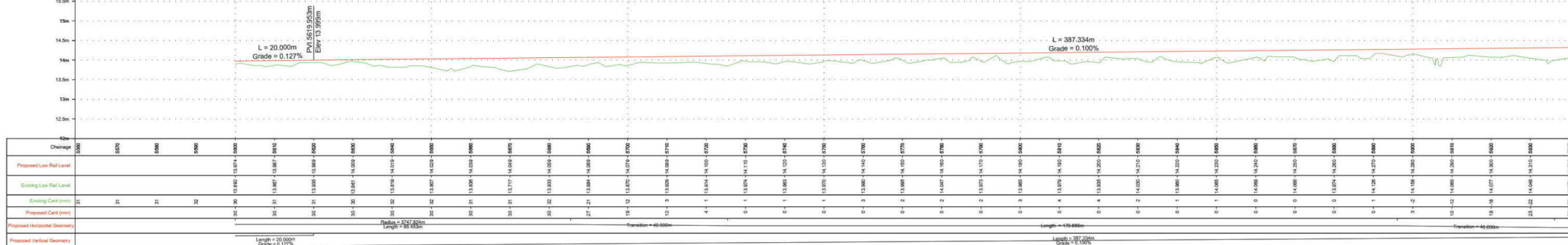
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Coordination: N.SAMACHETTY
Approved: J.MCINERNEY
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Scale @A3: AS SHOWN

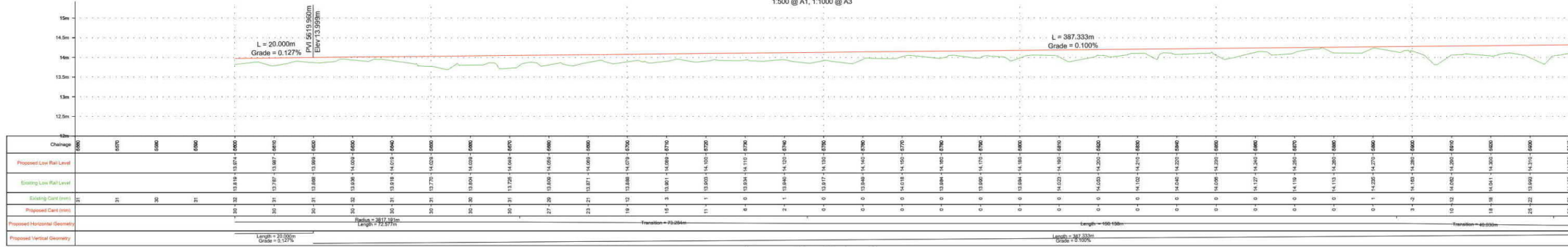
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Purpose: P1
Rev: P03



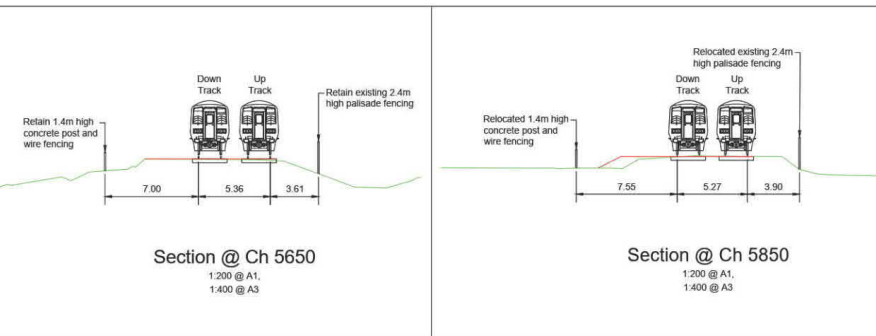
Plan
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Longsection Down Track
1:500 @ A1, 1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3



LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- PROPOSED EMBANKMENT IN CUT
- PROPOSED EMBANKMENT IN FILL
- 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
- EXISTING RUNNING LINES
- EXISTING TRACK SLUED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- EXISTING TRACKWORK TO BE REMOVED

NOTES

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

Rev	Date	Drawn	Eng	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P02	22/07/22	RO	NS	JM	Preliminary Design for Public Consultation
P03	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

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CIE

Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK

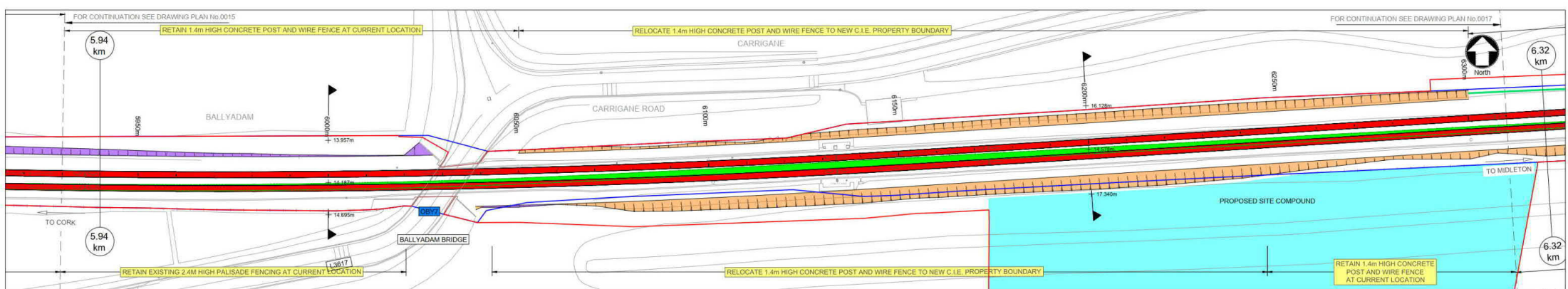
Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY CH5560 TO CH5940

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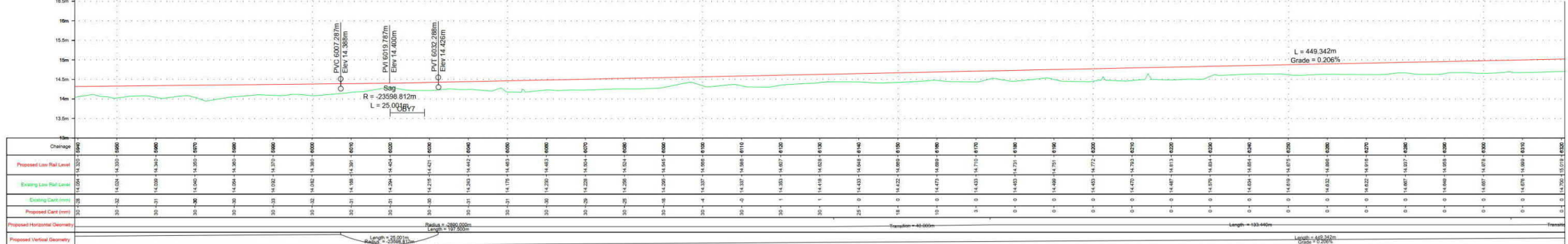
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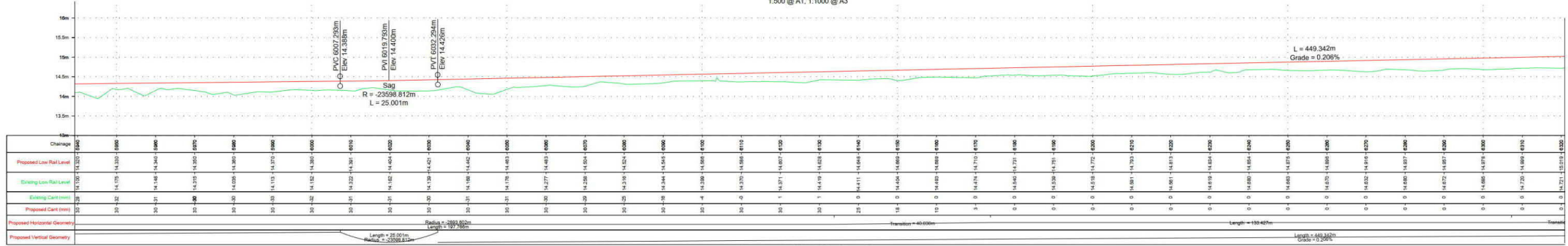
Approved: S
Purpose: P1
Rev: P03



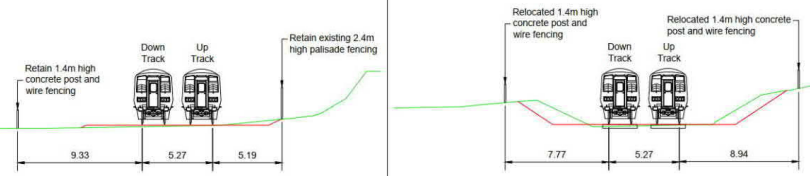
Plan
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Longsection Down Track
1:500 @ A1, 1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3



Section @ Ch 6000
1:200 @ A1,
1:400 @ A3

Section @ Ch 6200
1:200 @ A1,
1:400 @ A3

LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- PROPOSED EMBANKMENT IN CUT
- PROPOSED EMBANKMENT IN FILL
- 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
- EXISTING RUNNING LINES
- EXISTING TRACK SLUED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- EXISTING TRACKWORK TO BE REMOVED

NOTES

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- LONGITUDINAL VERTICAL ALIGNMENT MARKERS IN KILOMETRES (km)

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

Rev	Date	Drawn	Eng	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P02	22/07/22	RO	NS	JM	Preliminary Design for Public Consultation
P03	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

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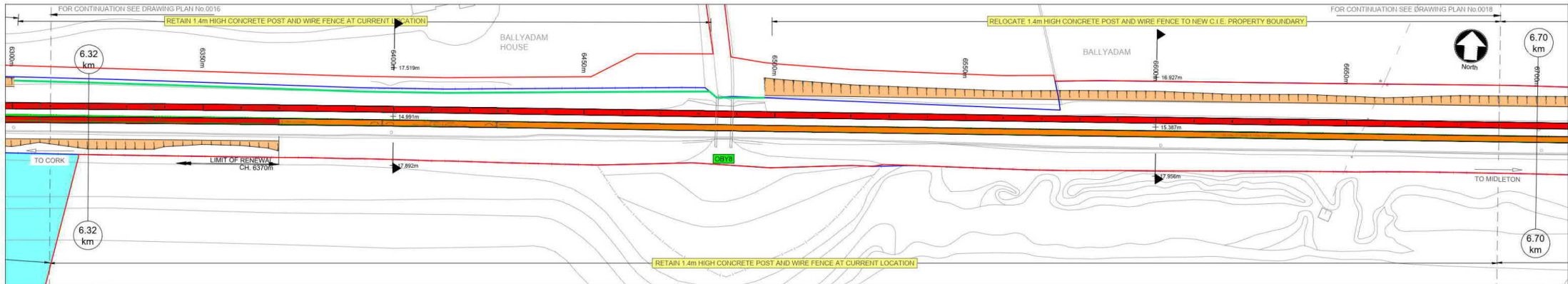
Iarnród Éireann Irish Rail
Client: Iarnród Éireann-Irish Rail
Connolly Station
Amiens Street
Dublin 1
D01 VEVG

Project Title
CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

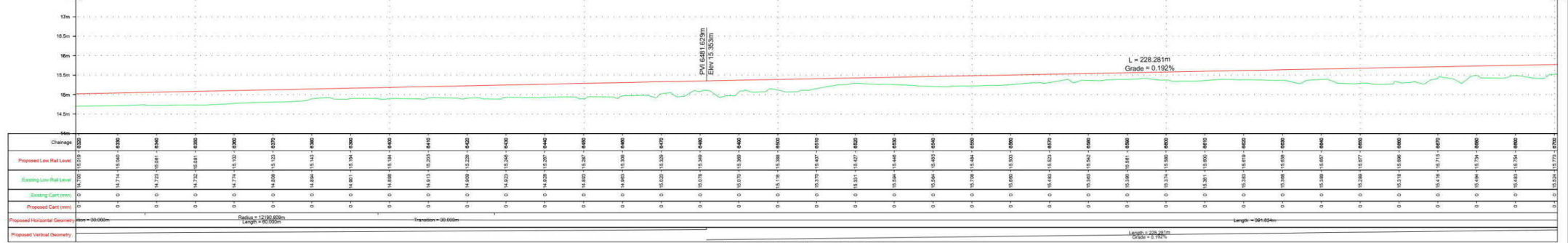
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GENERAL ARRANGEMENT PERMANENT WAY
CH5940 TO CH6320

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-PW-0016
Coordination: N.SAMACHETTY
Approved: J.MCINERNEY
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Scale @A3: AS SHOWN

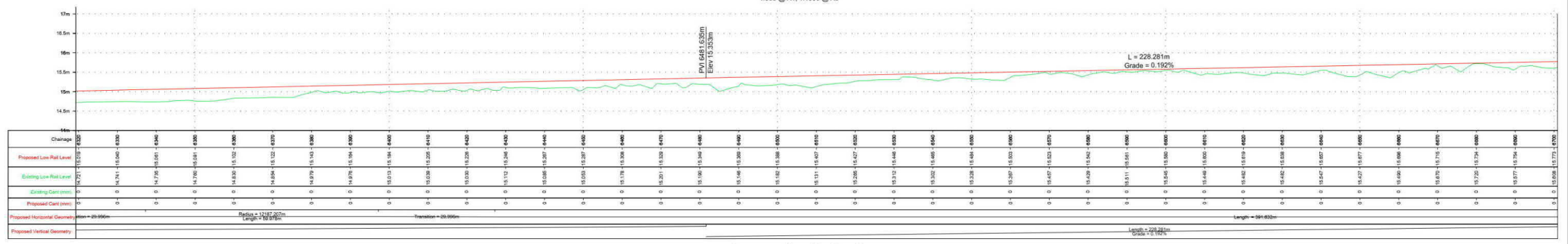
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Purpose: P1
Rev: P03



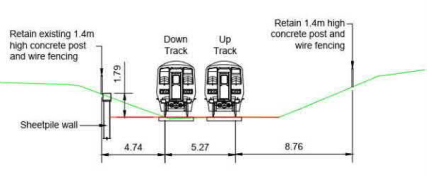
Plan
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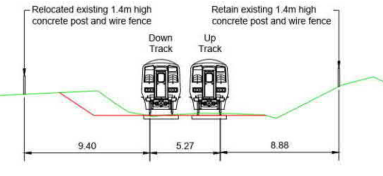
Longsection Down Track
1:500 @ A1, 1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3



Section @ Ch 6400
1:200 @ A1,
1:400 @ A3



Section @ Ch 6600
1:200 @ A1,
1:400 @ A3

LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- PROPOSED EMBANKMENT IN CUT
- PROPOSED EMBANKMENT IN FILL
- PROPOSED GABION WALL
- PROPOSED SHEET PILE WALL
- PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
- EXISTING STRUCTURE TO BE DEMOLISHED
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- EXISTING OVERBRIDGE TO BE DEMOLISHED
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0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
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P03	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

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DOI VIEW

Iarnród Éireann Irish Rail

CIE

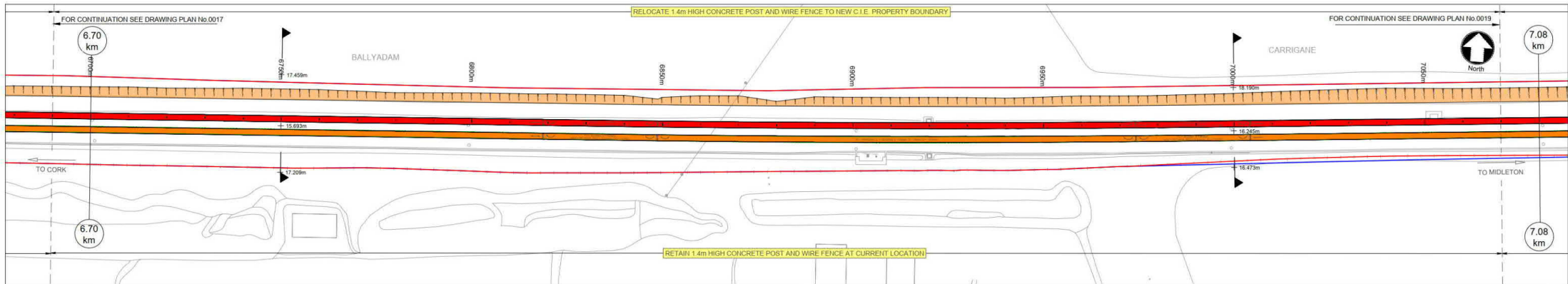
Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY
CH6320 TO CH6700

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-PW-0017

Coordination: N.SAMACHETTY | Approved: J.MCINERNEY | Scale @A1: 1:500 | Purpose: P1 | Sheet of 28 | Rev: P03

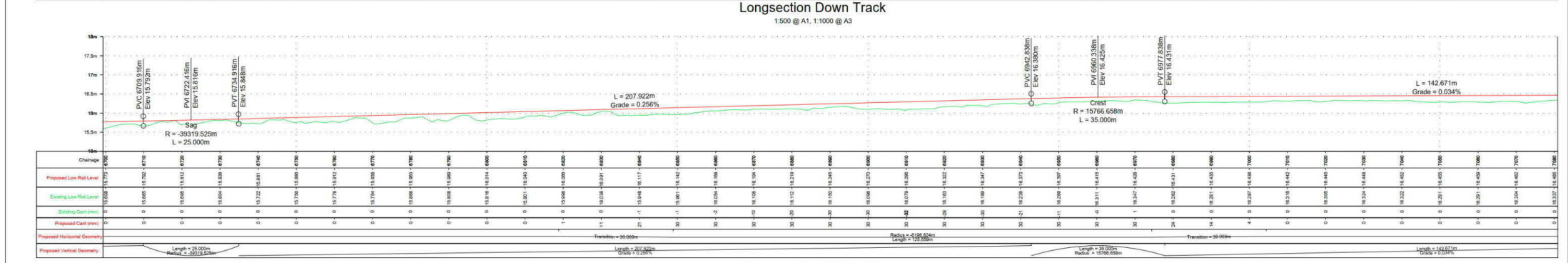
Date: 22/09/22 | Designed: D. ALDERSON | Drawn: R.O'CONNOR | Dwg check: G.BERCOT | Eng check: N.SAMACHETTY



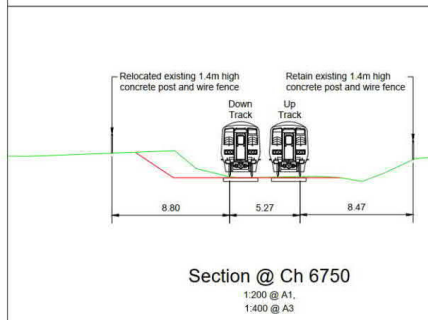
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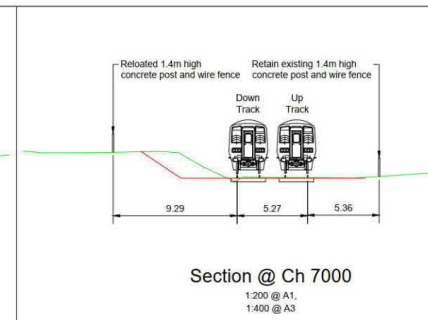
Longsection Down Track
1:500 @ A1, 1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3



Section @ Ch 6750
1:200 @ A1,
1:400 @ A3



Section @ Ch 7000
1:200 @ A1,
1:400 @ A3

LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- PROPOSED EMBANKMENT IN CUT
- PROPOSED EMBANKMENT IN FILL
- 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
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- SIDINGS
- PROPOSED TRACKWORK
- EXISTING TRACKWORK TO BE REMOVED

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SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
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P03	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

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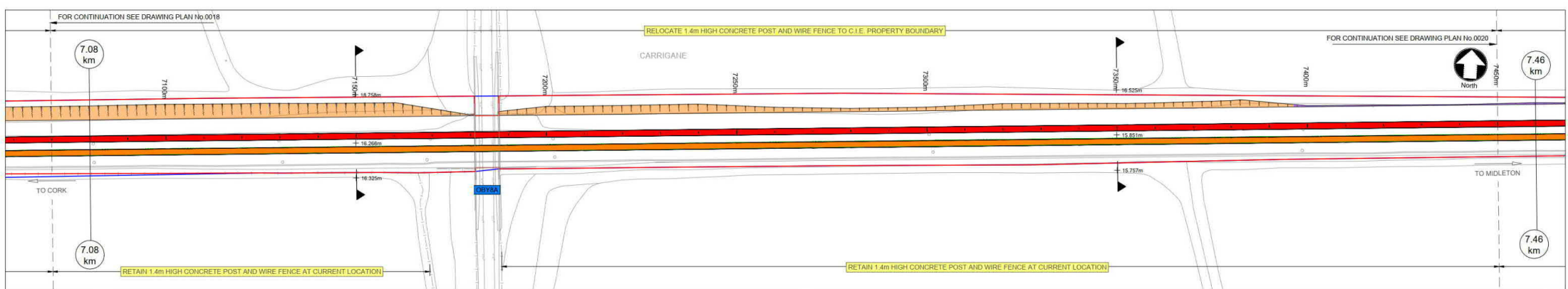
Client: Iarnród Éireann-Irish Rail
Connolly Station
Amiens Street
Dublin 1
DOI VEVG

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

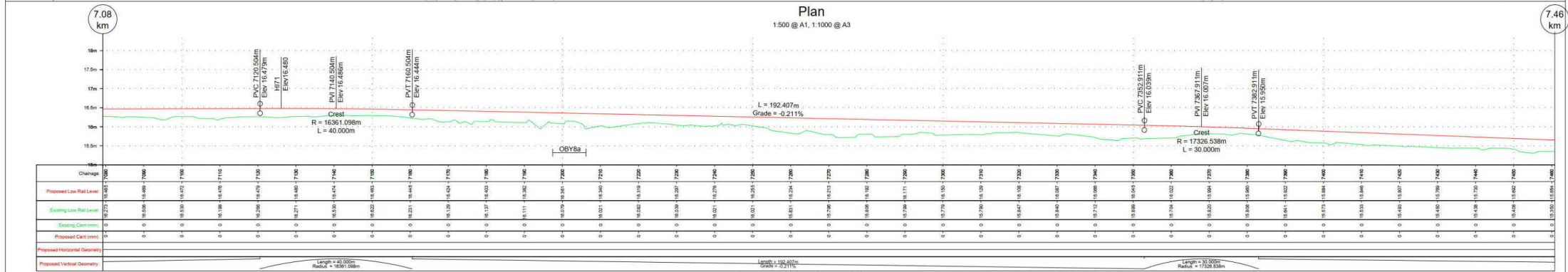
Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY
CH6700 TO CH7080

Drawing File Name: C745-WP3
Coordination: N.SAMACHETTY
Approved: J.MCINERNEY
Scale @A1: 1:500
Scale @A3: AS SHOWN

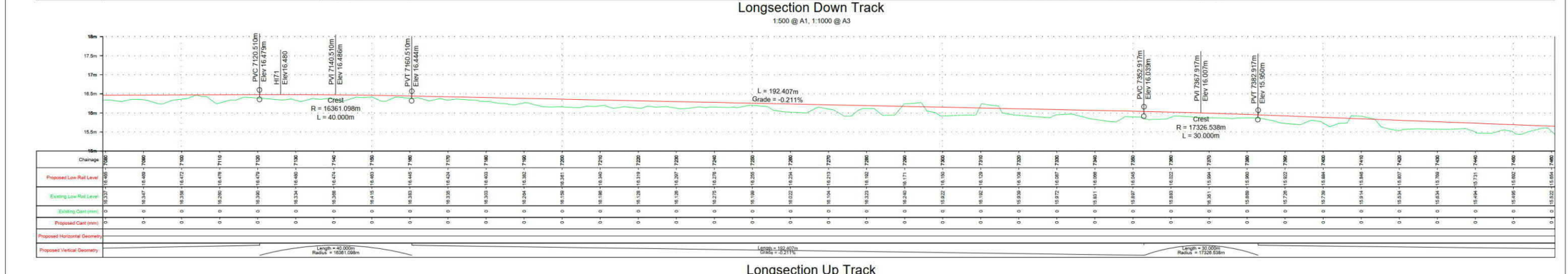
18 Sheet of 28
Purpose: P1
Rev: P03



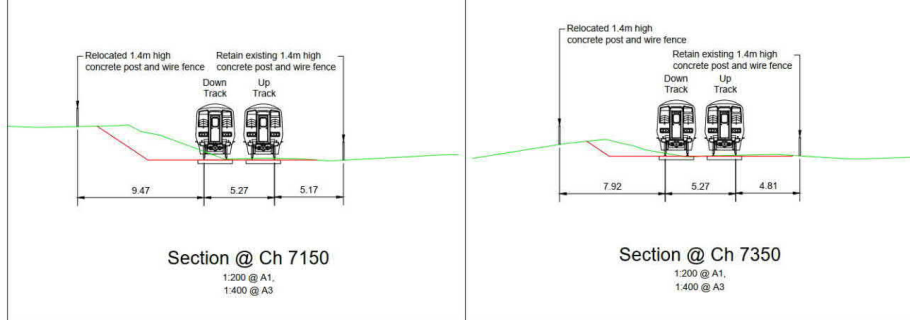
Plan
1:500 @ A1, 1:1000 @ A3



Longsection Down Track
1:500 @ A1, 1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3



LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- PROPOSED EMBANKMENT IN CUT
- PROPOSED EMBANKMENT IN FILL
- PROPOSED GABION WALL
- PROPOSED SHEET PILE WALL
- PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
- EXISTING STRUCTURE TO BE DEMOLISHED
- EXISTING OVERBRIDGE
- EXISTING UNDERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
- EXISTING RUNNING LINES
- EXISTING TRACK SLUED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- EXISTING TRACKWORK TO BE REMOVED

NOTES

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

Rev	Date	Drawn	Eng	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P02	22/07/22	RO	NS	JM	Preliminary Design for Public Consultation
P03	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

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CIE

Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY CH7080 TO CH7460

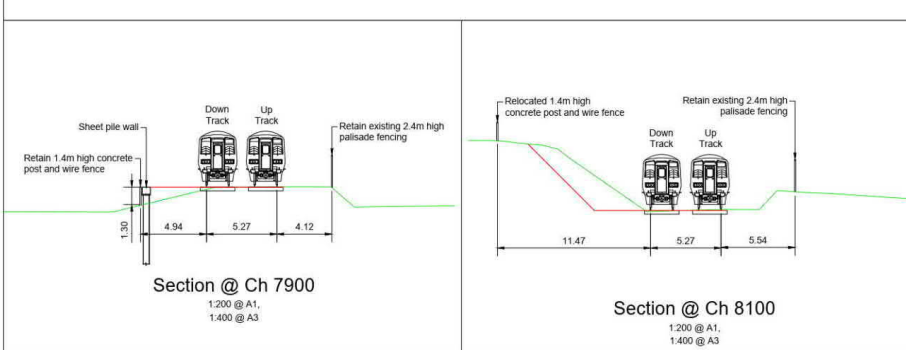
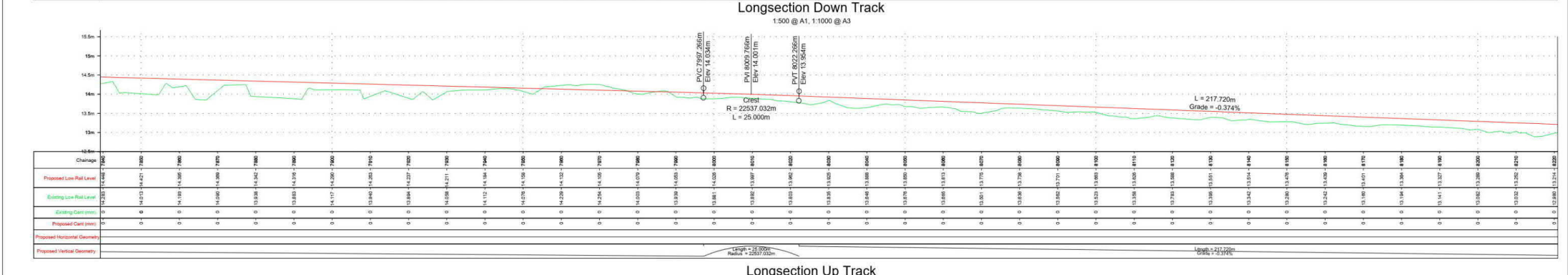
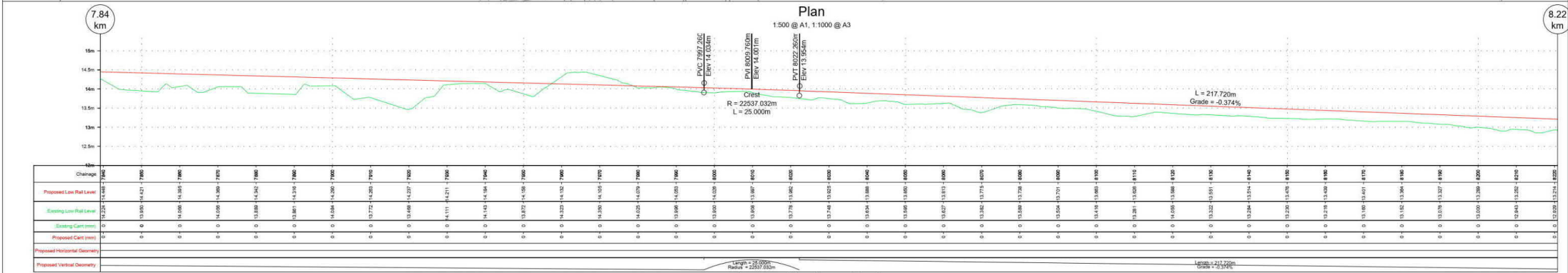
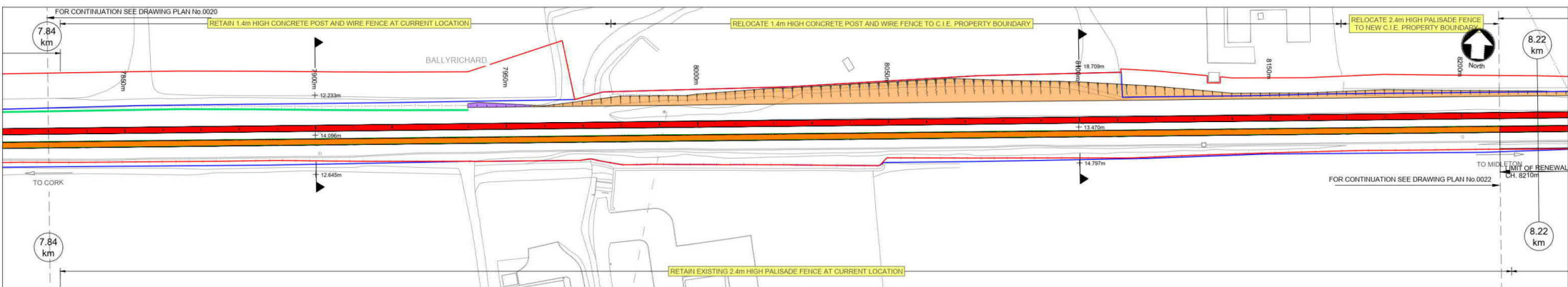
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Scale @ A1: 1:500
Scale @ A3: AS SHOWN

19 Sheet of 28

Rev P1

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LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- PROPOSED EMBANKMENT IN CUT
- PROPOSED EMBANKMENT IN FILL
- 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
- EXISTING RUNNING LINES
- EXISTING TRACK SLUED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- EXISTING TRACKWORK TO BE REMOVED

NOTES

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SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P02	22/07/22	RO	NS	JM	Preliminary Design for Public Consultation
P03	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

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CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

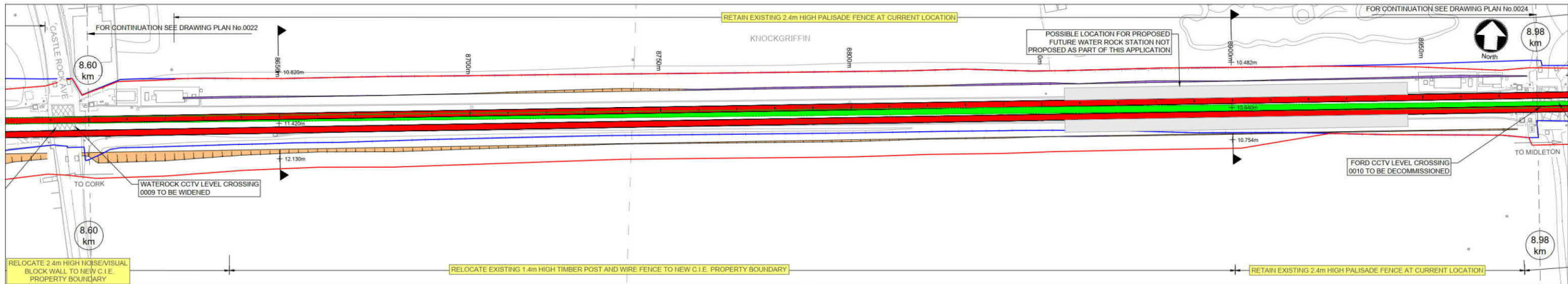
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CH7840 TO CH8220

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-PW-0021

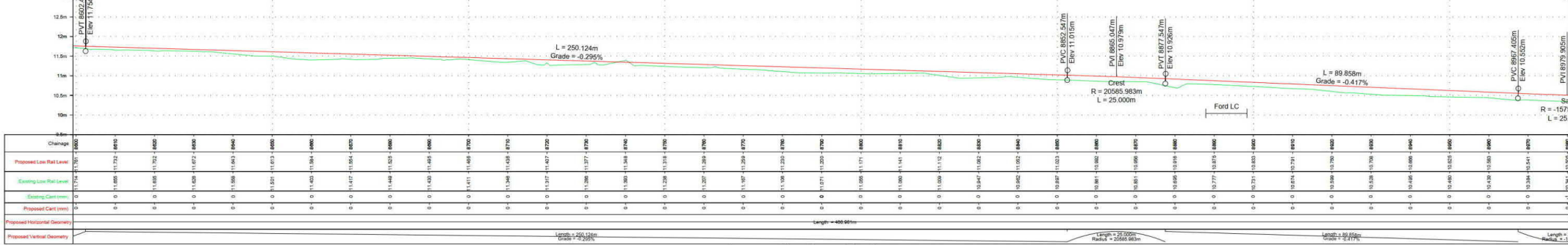
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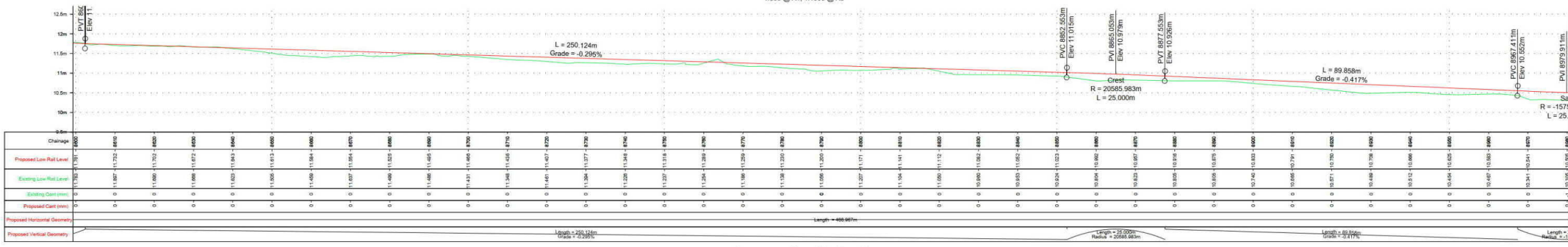
Approval: S
Purpose: P1
Rev: P03



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



Longsection Down Track
1:500 @ A1, 1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3

LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- PROPOSED EMBANKMENT IN CUT
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- EXISTING STRUCTURE TO BE DEMOLISHED
- EXISTING OVERBRIDGE
- EXISTING OVERBRIDGE TO BE DEMOLISHED
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NOTES

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SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P02	22/07/22	RO	NS	JM	Preliminary Design for Public Consultation
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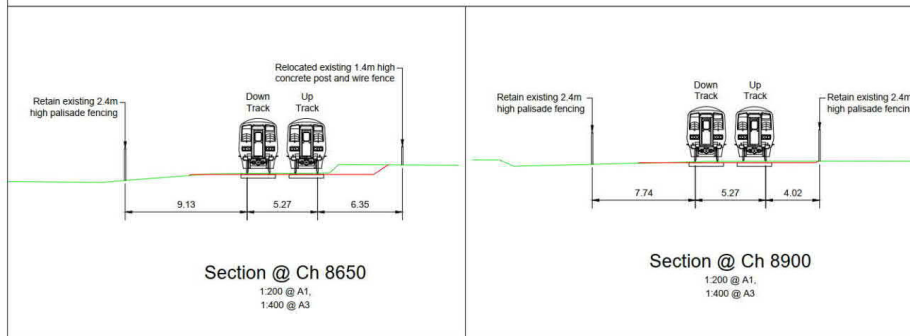
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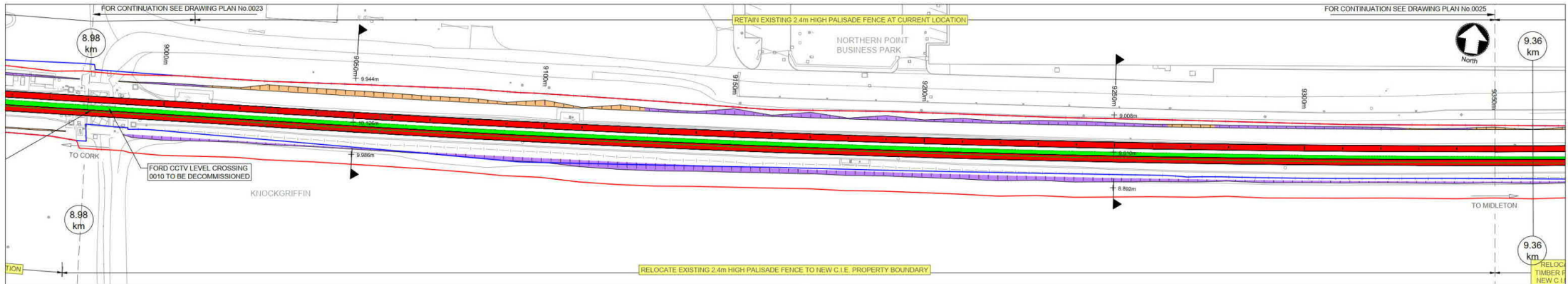
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GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY
CH8600 TO CH8900

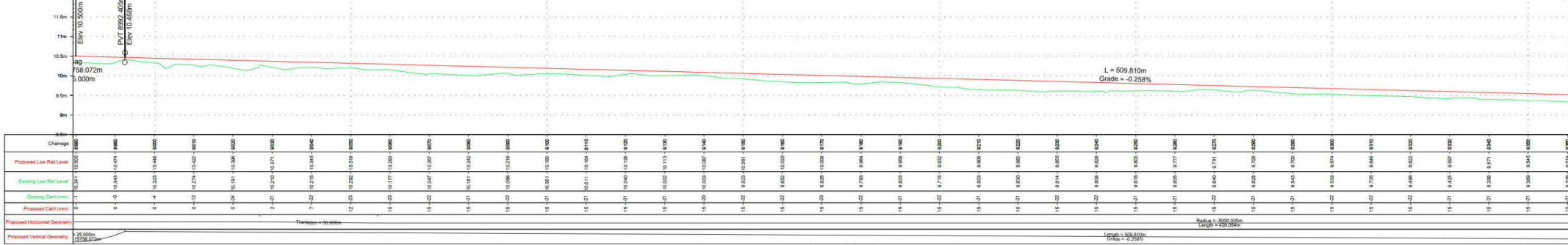
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Coordination: N.SAMACHETTY
Approved: J.MCINERNEY
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23 Sheet of 28
Purpose: P1
Rev: P03

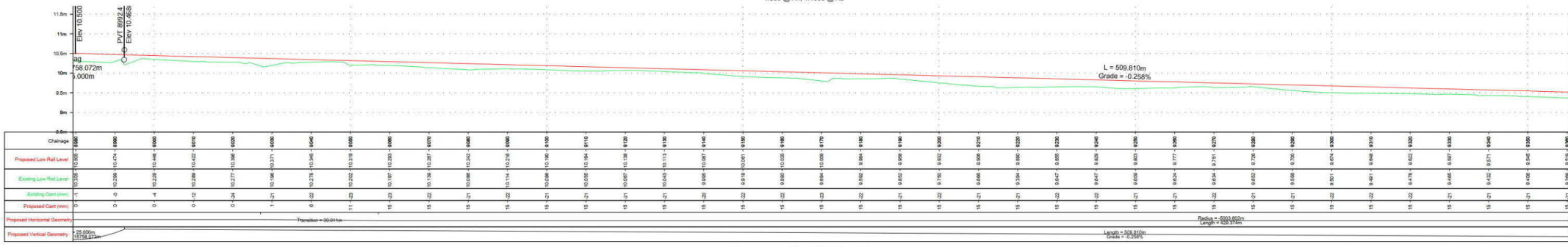




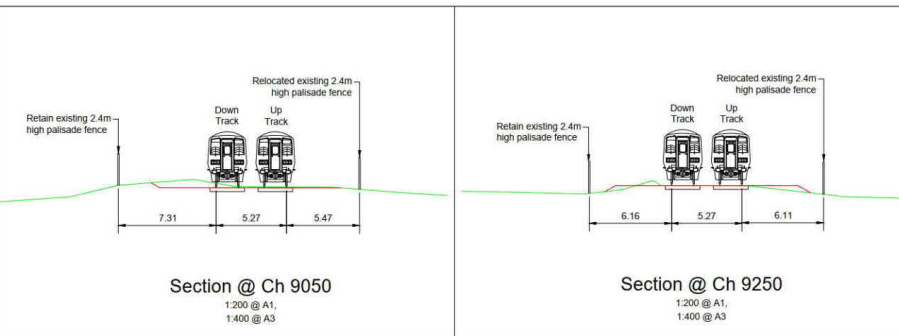
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Longsection Down Track
1:500 @ A1, 1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3



LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
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Rev	Date	Drawn	Eng	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
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P03	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

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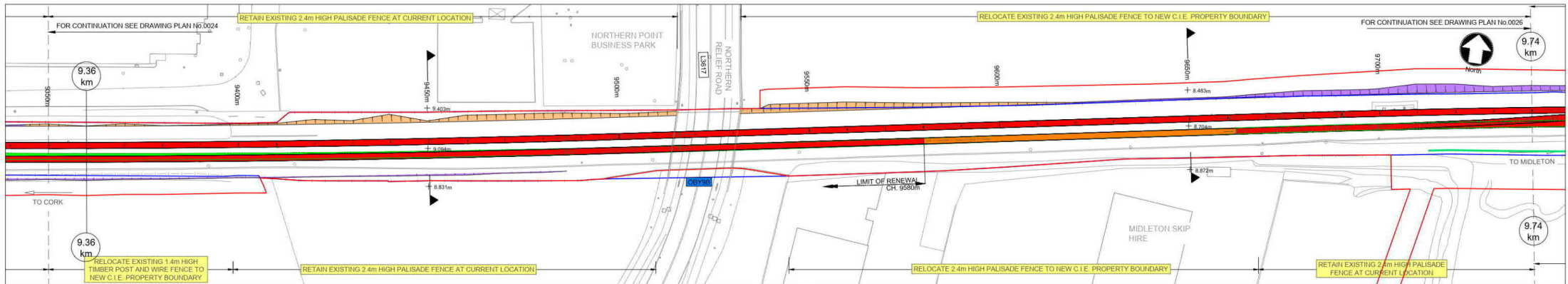
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Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

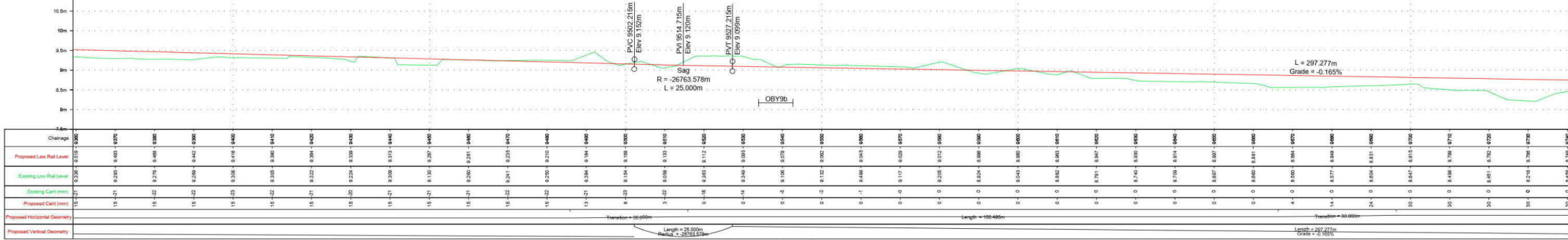
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CH8980 TO CH9360

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Coordination: N.SAMACHETTY
Approval: J.MCINERNEY
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Scale @ A3: AS SHOWN

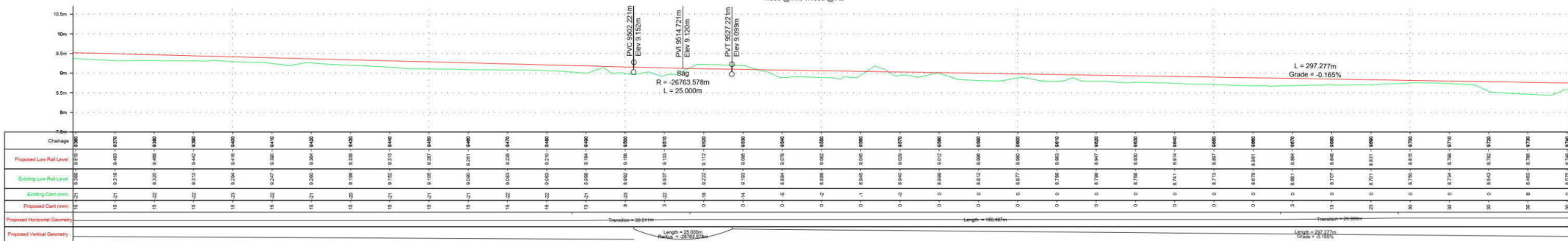
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Purpose: P1
Rev: P03



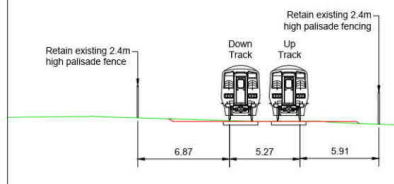
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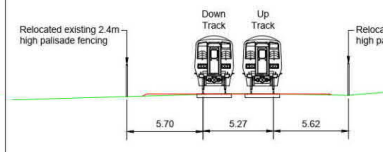
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Longsection Up Track
1:500 @ A1, 1:1000 @ A3



Section @ Ch 9450
1:200 @ A1,
1:400 @ A3



Section @ Ch 9650
1:200 @ A1,
1:400 @ A3

- LEGEND**
- DEVELOPMENT BOUNDARY
 - CIE LAND OWNERSHIP
 - EXISTING FENCING
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SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng	Appr	Description
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Date	Designed	Drawn	Dwg check	Eng check
22/09/22	D. ALDERSON	R. O'CONNOR	G. BERCOT	N. SAMACHETTY

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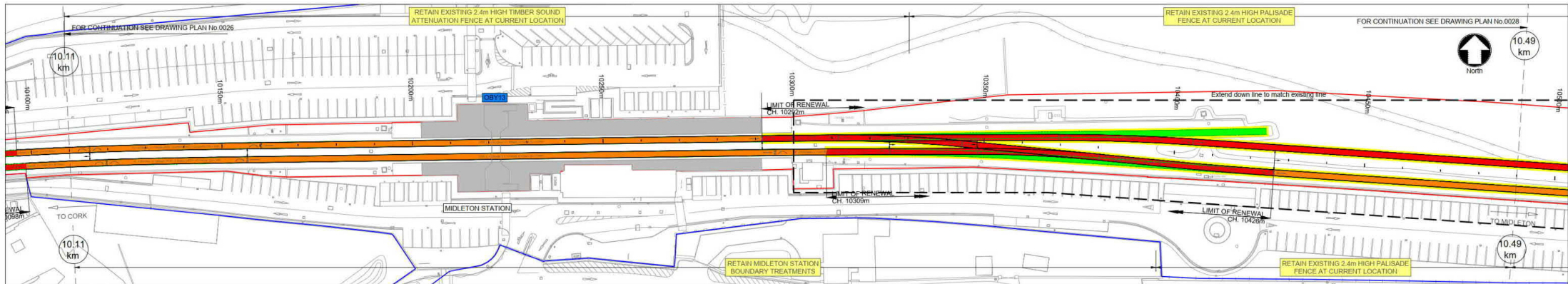
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Project Title: **CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK**

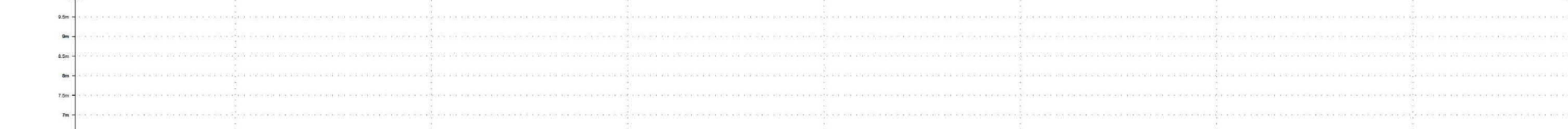
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Drawing File Name: **C745-WP3**
Coordination: N.SAMACHETTY
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Scale @A3: AS SHOWN

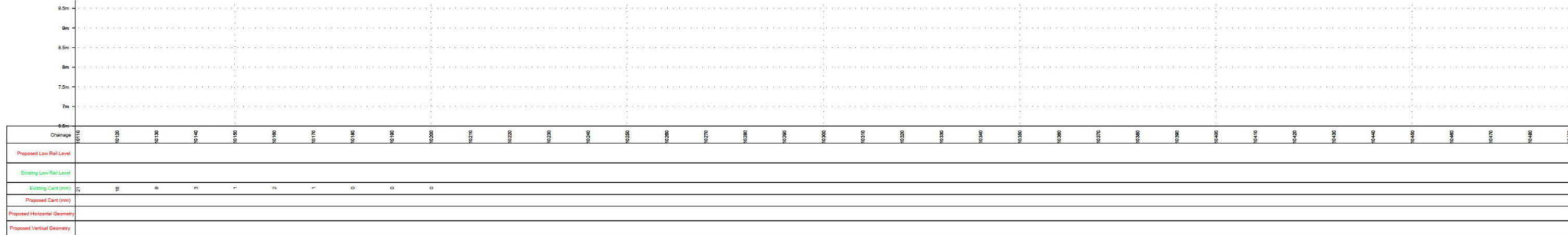
25 Sheet of 28
Approved: J.MCINERNEY
Purpose: P1
Rev: P03



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



Longsection Down Track
1:500 @ A1, 1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3

LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
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- PROPOSED EMBANKMENT IN CUT
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Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
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CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY
CH10120 TO CH10500

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-PW-0027

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Scale @A3: AS SHOWN

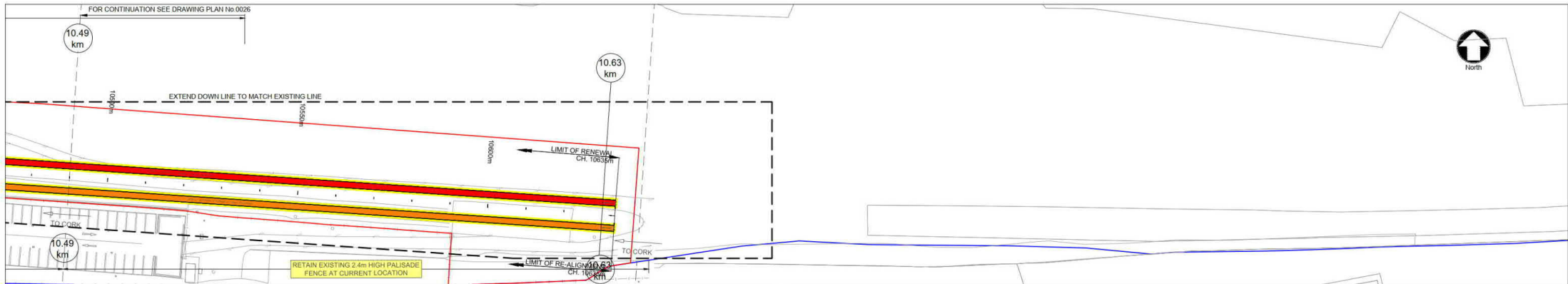
27 Sheet of 28

Date: 22/09/22
Designed: D. ALDERSON
Drawn: R. O'CONNOR
Dwg check: G. BERCOT
Eng check: N. SAMACHETTY
Coordination: N. SAMACHETTY
Approved: J. MCINERNEY

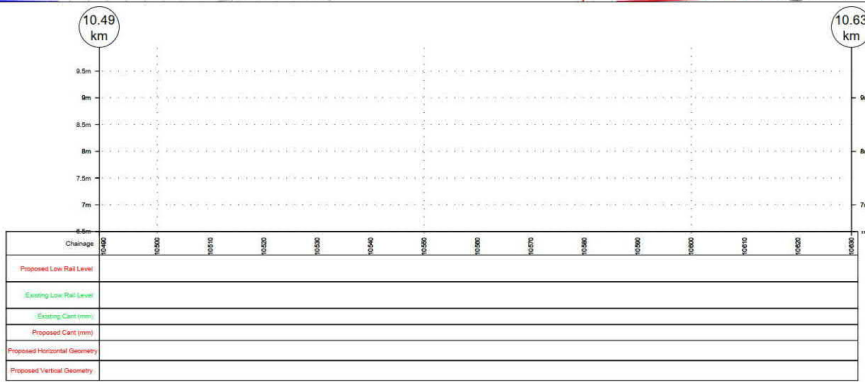
Acceptance: S
Purpose: P1
Rev: P04

No change to existing cross-section

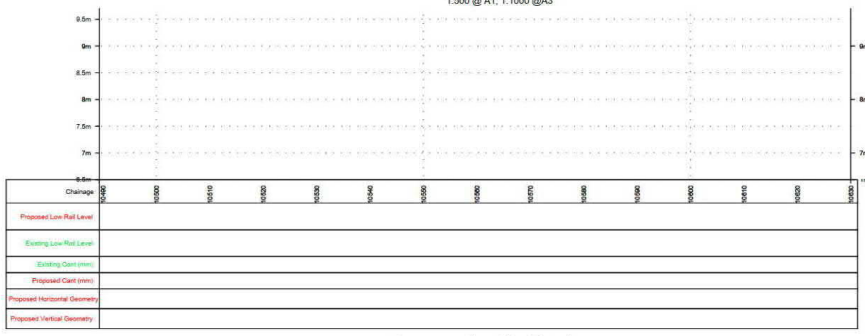
No change to existing cross-section



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



Longsection Down Track
1:500 @ A1, 1:1000 @ A3



Longsection Up Track
1:500 @ A1, 1:1000 @ A3

No change to existing cross-section

No change to existing cross-section

LEGEND

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P04	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

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CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY
CH10500 TO CH10630

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-PW-0028

Scale @A1: 1:500
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28 Sheet of 28

Coordination: N.SAMACHETTY
Approved: J.MOINERNEY
Acceptance: S
Purpose: P1
Rev: P04

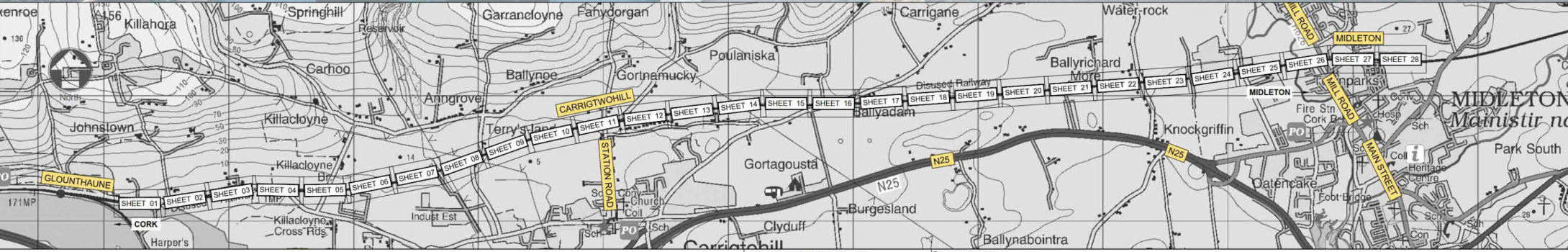
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DRAWING NUMBER

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 C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0027
 C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0028

DRAWING TITLE

PROPOSED DRAINAGE PLANS, TITLE SHEET AND KEY PLAN
 PROPOSED TRACK DRAINAGE, CH290 TO CH650
 PROPOSED TRACK DRAINAGE, CH650 TO CH1030
 PROPOSED TRACK DRAINAGE, CH1030 TO CH1400
 PROPOSED TRACK DRAINAGE, CH1400 TO CH1780
 PROPOSED TRACK DRAINAGE, CH1780 TO CH2150
 PROPOSED TRACK DRAINAGE, CH2150 TO CH2520
 PROPOSED TRACK DRAINAGE LAYOUT, CH2520 TO CH2900
 PROPOSED TRACK DRAINAGE LAYOUT, CH2900 TO CH3280
 PROPOSED TRACK DRAINAGE LAYOUT, CH3280 TO CH3660
 PROPOSED TRACK DRAINAGE LAYOUT, CH3660 TO CH4040
 PROPOSED TRACK DRAINAGE LAYOUT, CH4040 TO CH4410
 PROPOSED TRACK DRAINAGE LAYOUT, CH4410 TO CH4790
 PROPOSED TRACK DRAINAGE LAYOUT, CH4790 TO CH5170
 PROPOSED TRACK DRAINAGE LAYOUT, CH5170 TO CH5550
 PROPOSED TRACK DRAINAGE LAYOUT, CH5550 TO CH5930
 PROPOSED TRACK DRAINAGE LAYOUT, CH5930 TO CH6310
 PROPOSED TRACK DRAINAGE LAYOUT, CH6310 TO CH6690
 PROPOSED TRACK DRAINAGE LAYOUT, CH6690 TO CH7070
 PROPOSED TRACK DRAINAGE LAYOUT, CH7070 TO CH7450
 PROPOSED TRACK DRAINAGE LAYOUT, CH7450 TO CH7830
 PROPOSED TRACK DRAINAGE LAYOUT, CH7830 TO CH8210
 PROPOSED TRACK DRAINAGE LAYOUT, CH8210 TO CH8590
 PROPOSED TRACK DRAINAGE LAYOUT, CH8590 TO CH8970
 PROPOSED TRACK DRAINAGE LAYOUT, CH8970 TO CH9350
 PROPOSED TRACK DRAINAGE LAYOUT, CH9350 TO CH9730
 PROPOSED TRACK DRAINAGE LAYOUT, CH9730 TO CH10110
 PROPOSED TRACK DRAINAGE LAYOUT, CH10110 TO CH10490
 PROPOSED TRACK DRAINAGE LAYOUT, CH10490 TO CH10870

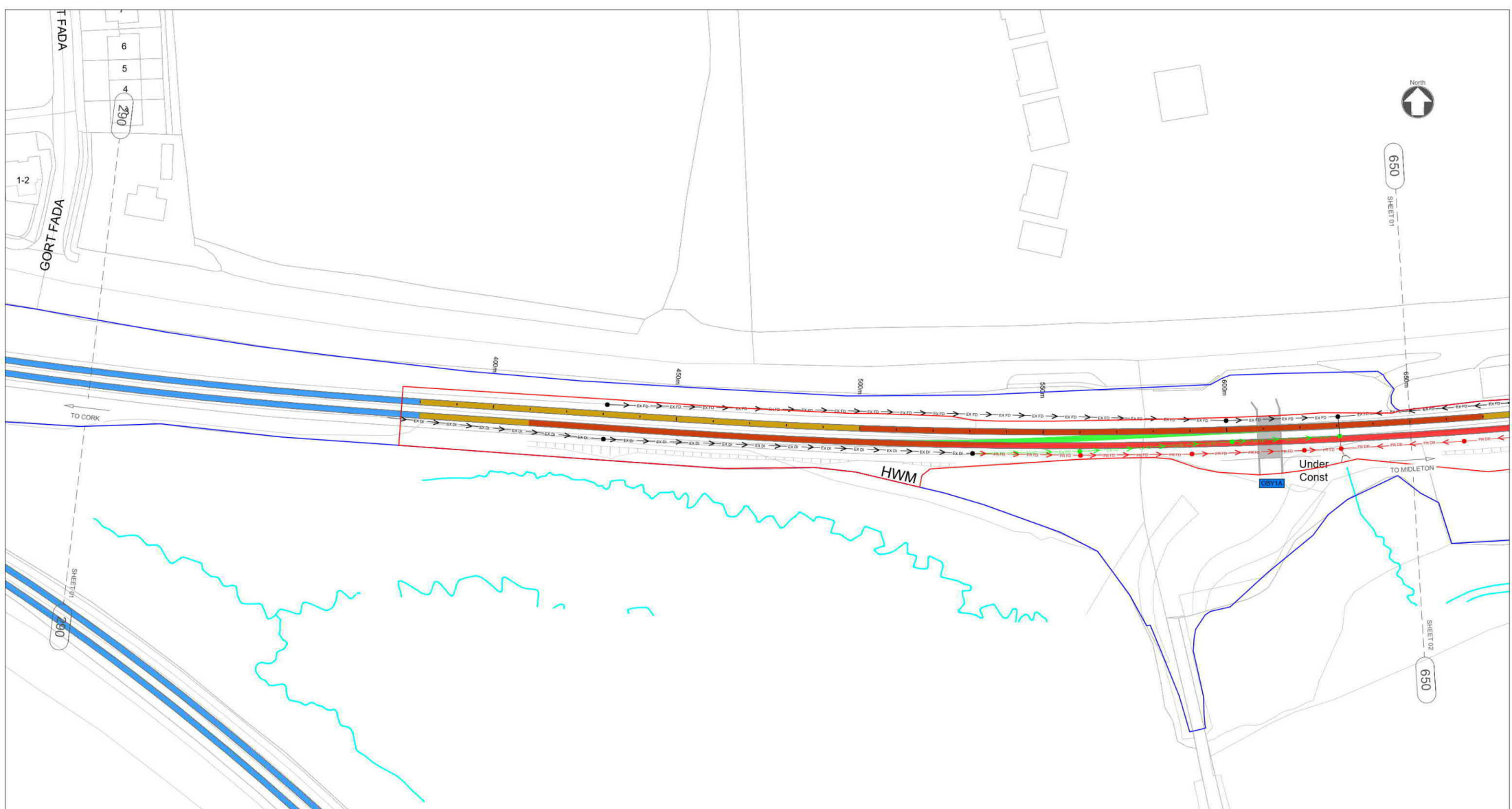


GLOUNTHAUNE - MIDLETON TWIN TRACK PROJECT

Client: Iarnród Éireann-Irish Rail Connolly Station Amiens Street Dublin 1 D01 VE6E		Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title: PROPOSED DRAINAGE PLANS TITLE SHEET AND KEY PLAN		Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-1000 Coordination: N.SAMACHETTY Approved: J.MCINERNEY Scale: @A1: NTS Scale: @A3: NTS	
5 Eastgate Avenue Eastgate Little Island Cork Ireland T +353 (0) 21 4809800 F +353 (0) 21 4809801 W www.mottmac.com		1 Sheet of 1 Purpose: P1 Rev: P01	
MOTT MACDONALD	PHASE 3: PRELIMINARY DESIGN	Date: 22/09/22 Designed: I.Mangourou Drawn: D.GALLAGHER Dwg check: G.BERCOT Eng check: N.SAMACHETTY	Date: 22/09/22 DG: NS JM: JM NS: NS JM: JM

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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. STEPHENS	D. GALLAGHER	G. BERECOT	N. SAMACHETTY

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CIE

Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT CH290 TO CH650

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0001

Scale @A1: 1:500
Scale @A3: 1:1000

1 Sheet of 28

Acceptance: S Purpose: P1 Rev: P02



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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. STEPHENS	D. GALLAGHER	G. BERECOT	N. SAMACHETTY

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CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH650 TO CH1030

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0002

Scale @A1: 1:500
Scale @A3: 1:1000

2 Sheet of 28

Rev P1 P02



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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. STEPHENS	D. GALLAGHER	G. BERCOT	N. SAMACHETTY

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CIE

Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK

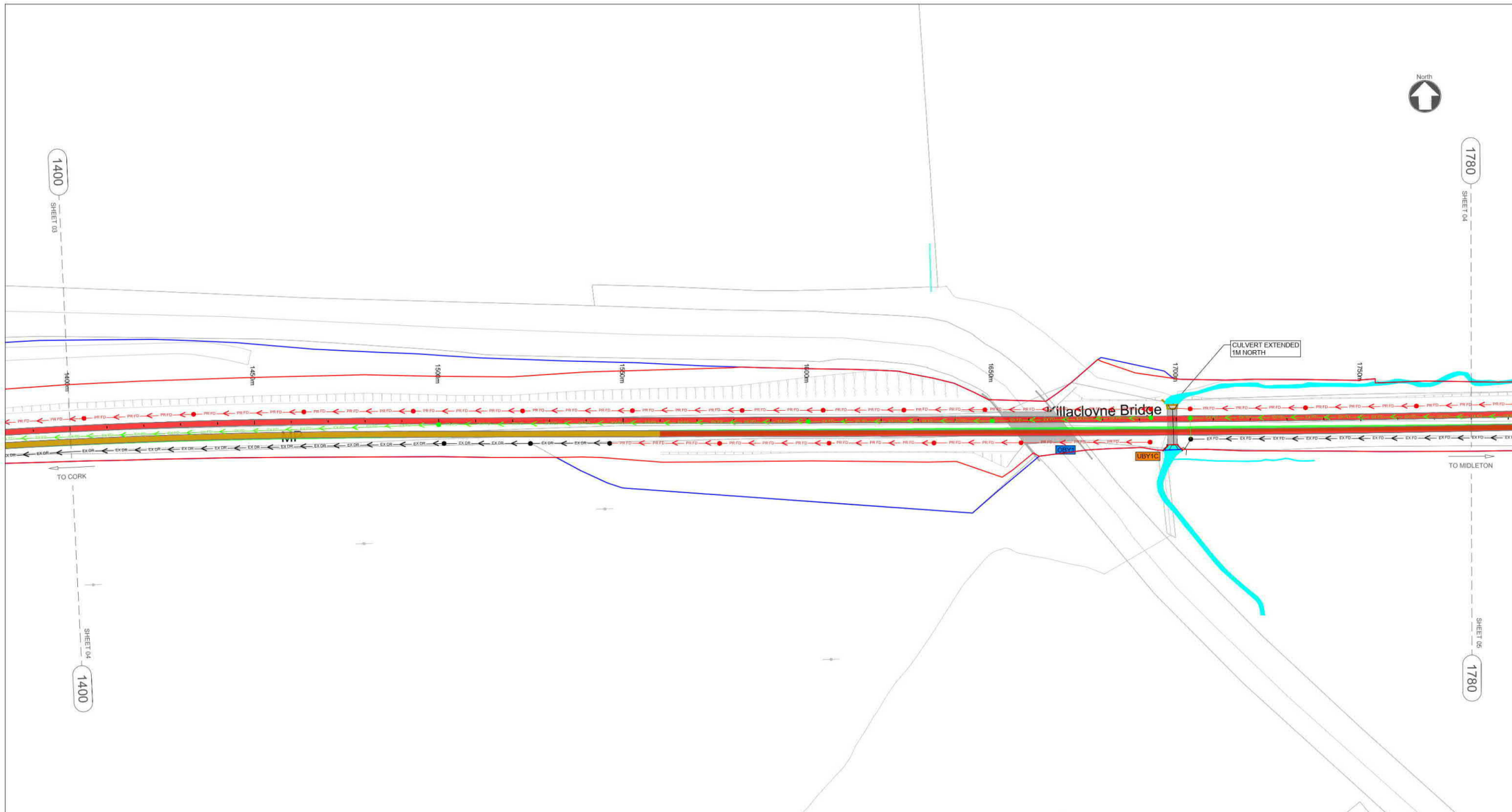
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Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0003

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3 Sheet of 28

Acceptance: S Purpose: P1 Rev: P02



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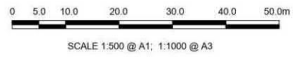
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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
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Project Title CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title PROPOSED TRACK DRAINAGE LAYOUT
CH1400 TO CH1780

P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation				
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN				
Rev	Date	Drawn	Eng Check	Appr	Description				
Date	22/09/22	Designed	K. STEPHENS	Drawn	D. GALLAGHER	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY

Drawing File Name C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0004

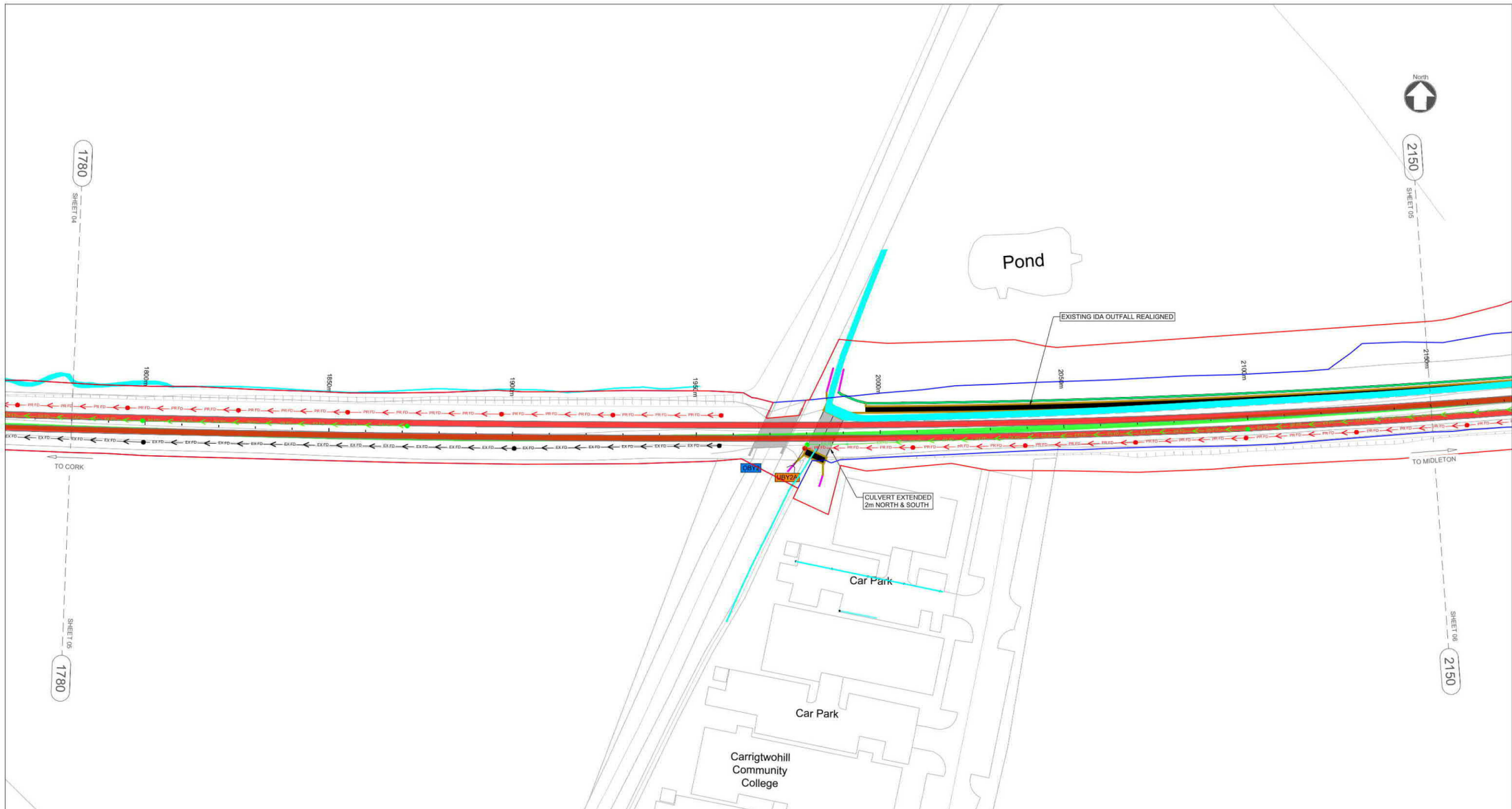
Coordination N.SAMACHETTY **Approved** J.MCINERNEY **Scale @A1** 1:500 **Scale @A3** 1:1000 **Acceptance** S **Purpose** P1 **Rev** P02

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	PROPOSED DITCH
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	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

SCALE 1:500 @ A1; 1:1000 @ A3

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Iarnród Éireann Irish Rail

CIE

Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK

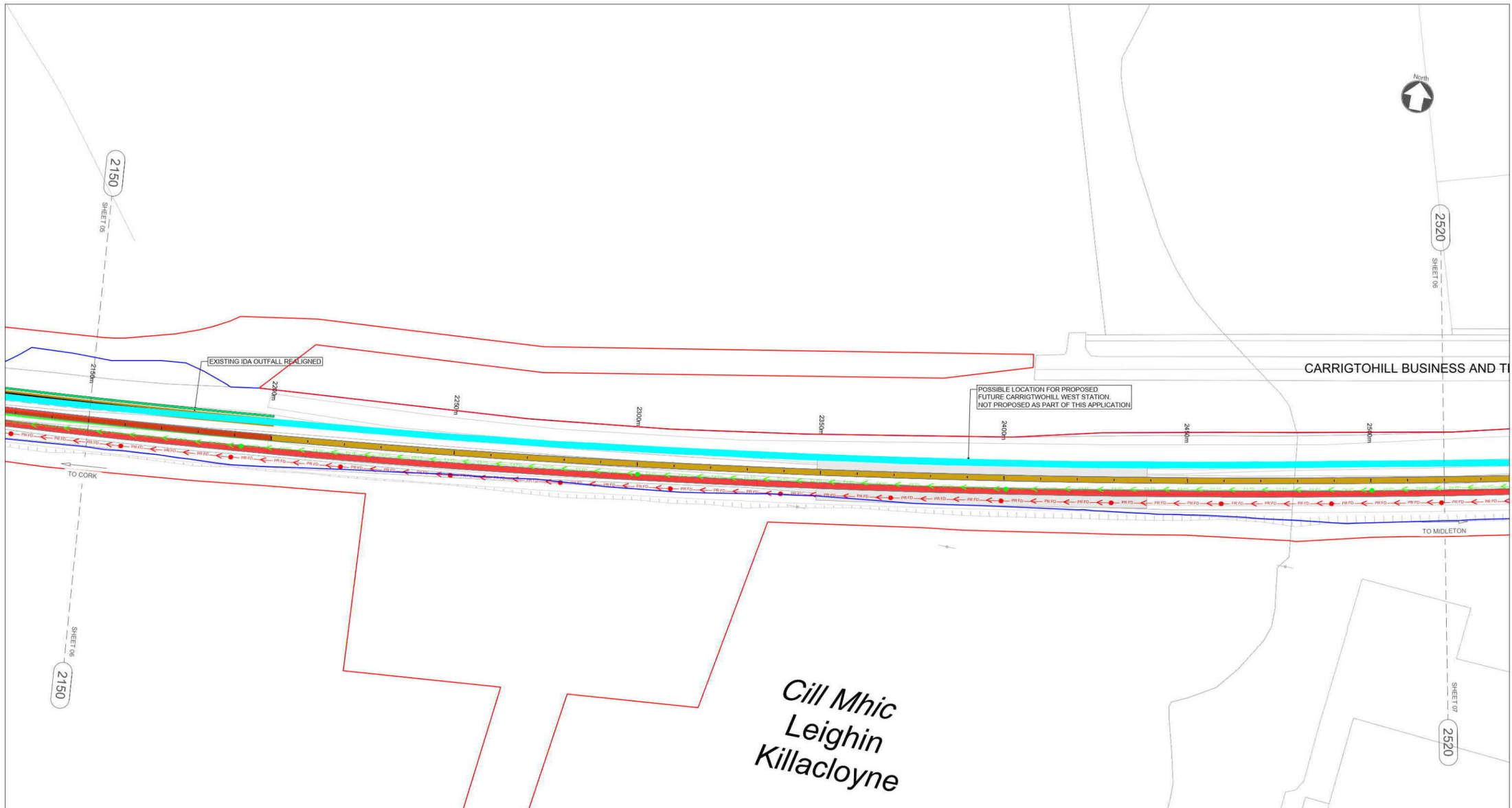
Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT CH1780 TO CH2150

Date	22/09/22	Designed	K. Stephens	Drawn	D.GALLAGHER	Dwg check	G.BERCOT	Eng check	N.SAMACHETTY
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Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0005

Coordination: N.SAMACHETTY | Approved: J.MCINERNEY | Scale @A1: 1:500 | Scale @A3: 1:1000 | Acceptance: S | Purpose: P1 | Rev: P02

5 Sheet of 28



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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

Scale: 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. Stephens	D. GALLAGHER	G. BERECOT	N. SAMACHETTY

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CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

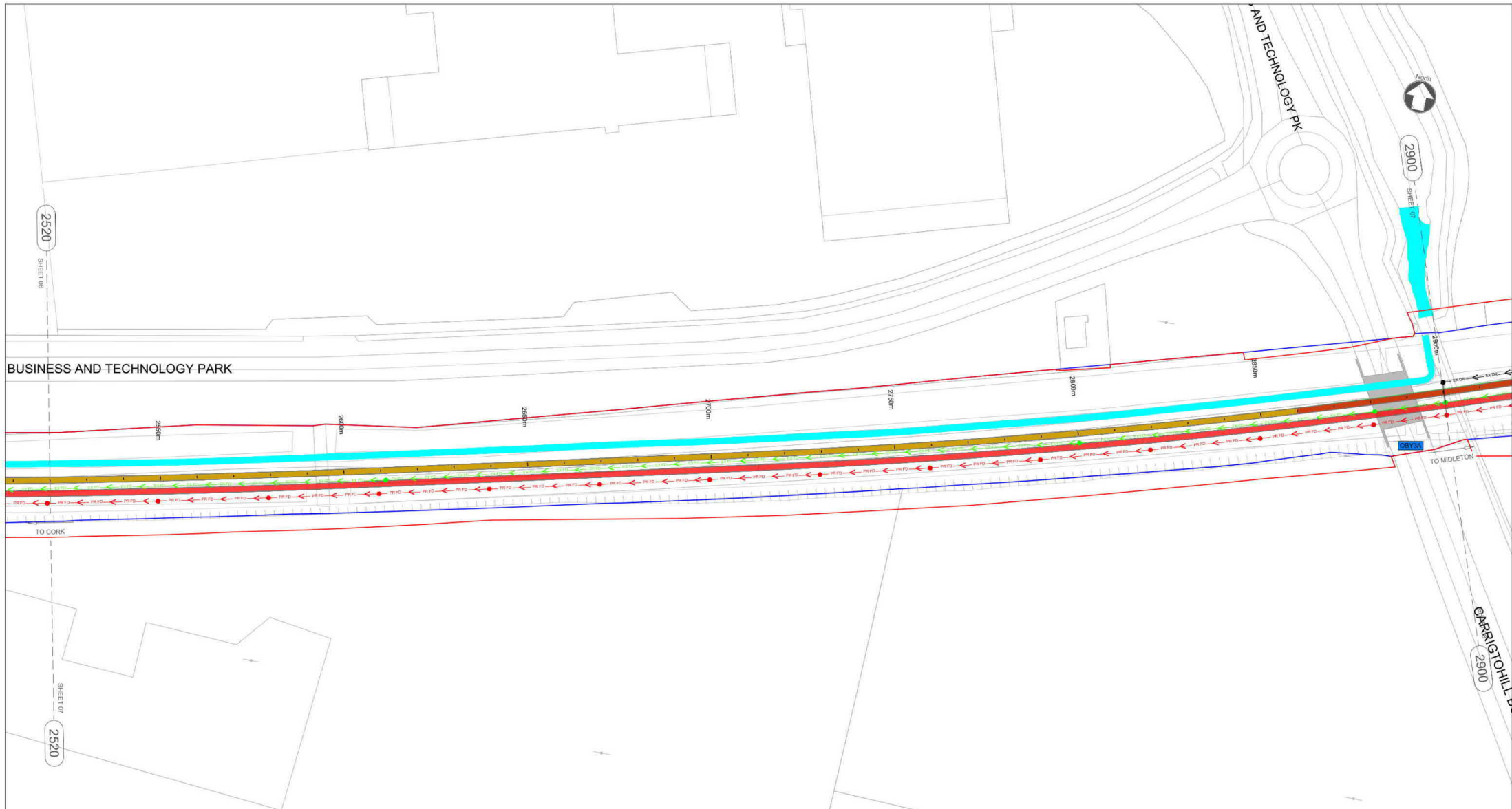
Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH2150 TO CH2520

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0006

Scale @A1: 1:500
Scale @A3: 1:1000

6 Sheet of 28

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Purpose: P1
Rev: P02



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	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
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	PROPOSED TRACKWORK
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	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
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	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. Stephens	D. GALLAGHER	G. BERECOT	N. SAMACHETTY

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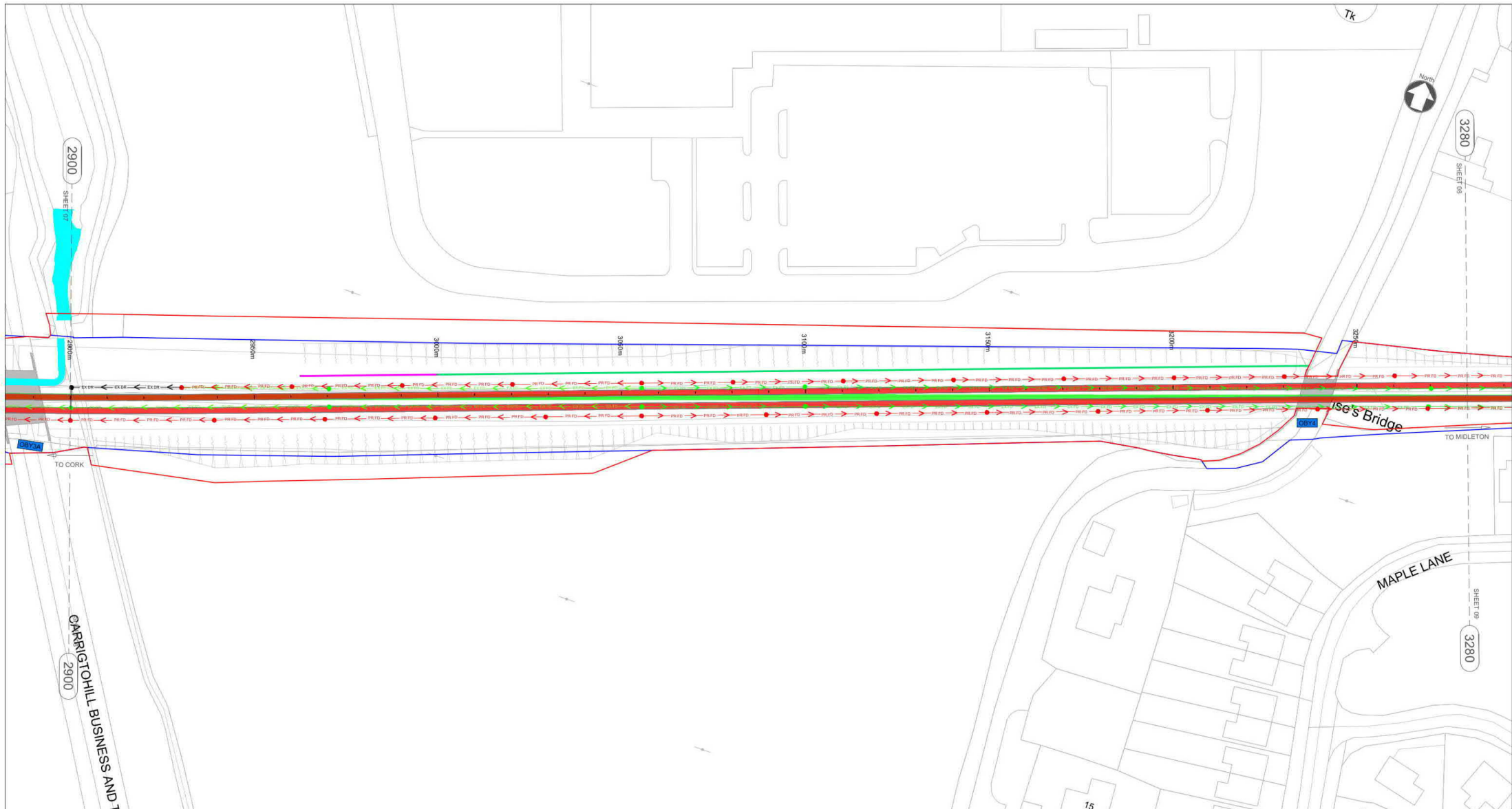
Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT CH2520 TO CH2900

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0007

7 of 28

Scale @A1: 1:500	Scale @A3: 1:1000	Acceptance: S	Purpose: P1	Rev: P02
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NOTES

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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. Stephens	D.GALLAGHER	G.BERCOT	N.SAMACHETTY

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Iarnród Éireann Irish Rail

CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

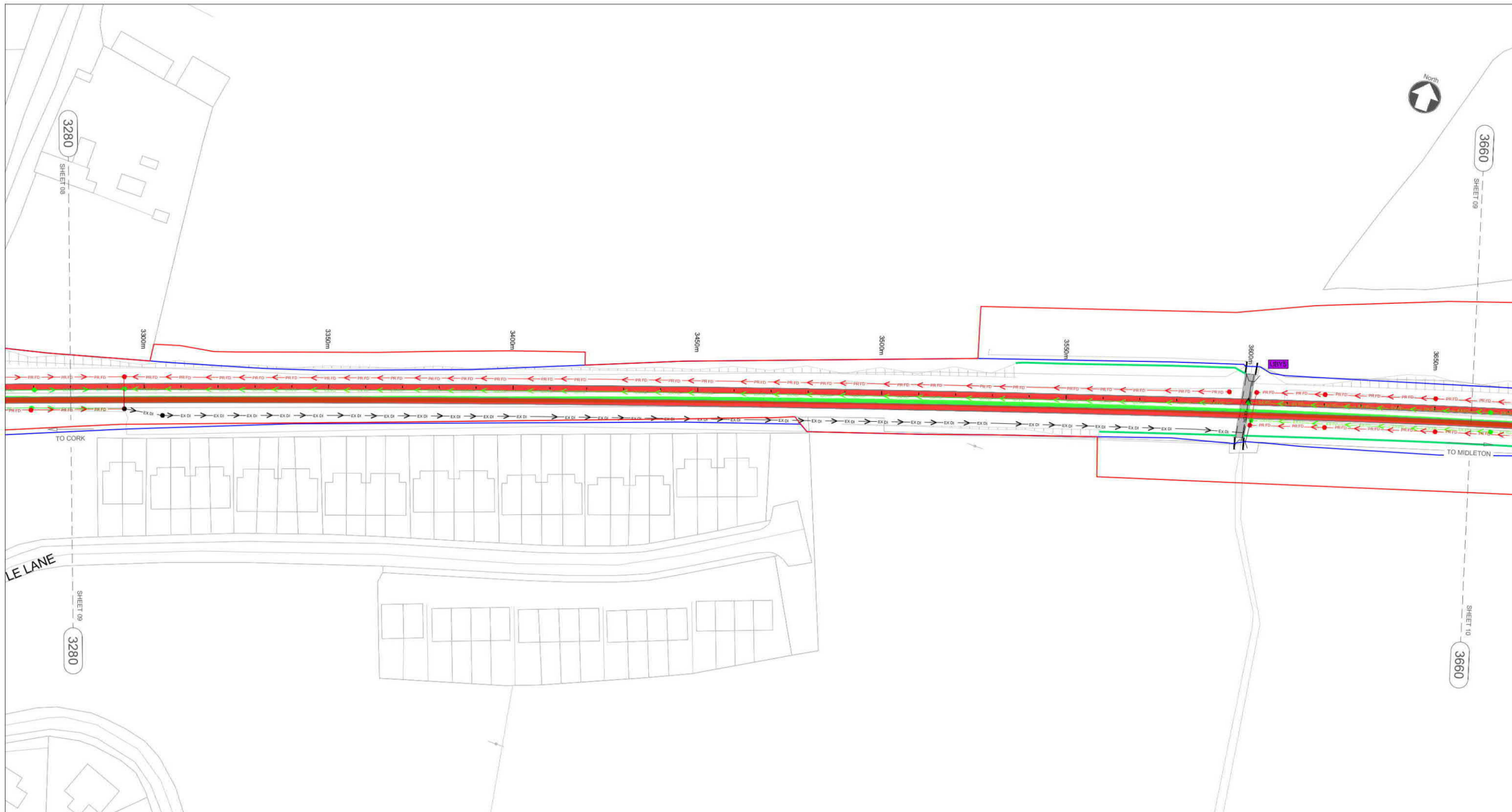
Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH2900 TO CH3280

Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-DE-0008

Scale @A1: 1:500
Scale @A3: 1:1000

8 Sheet of 28

Acceptance: S
Purpose: P1
Rev: P02



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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. STEPHENS	D. GALLAGHER	G. BERCOT	N. SAMACHETTY

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Iarnród Éireann Irish Rail

CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

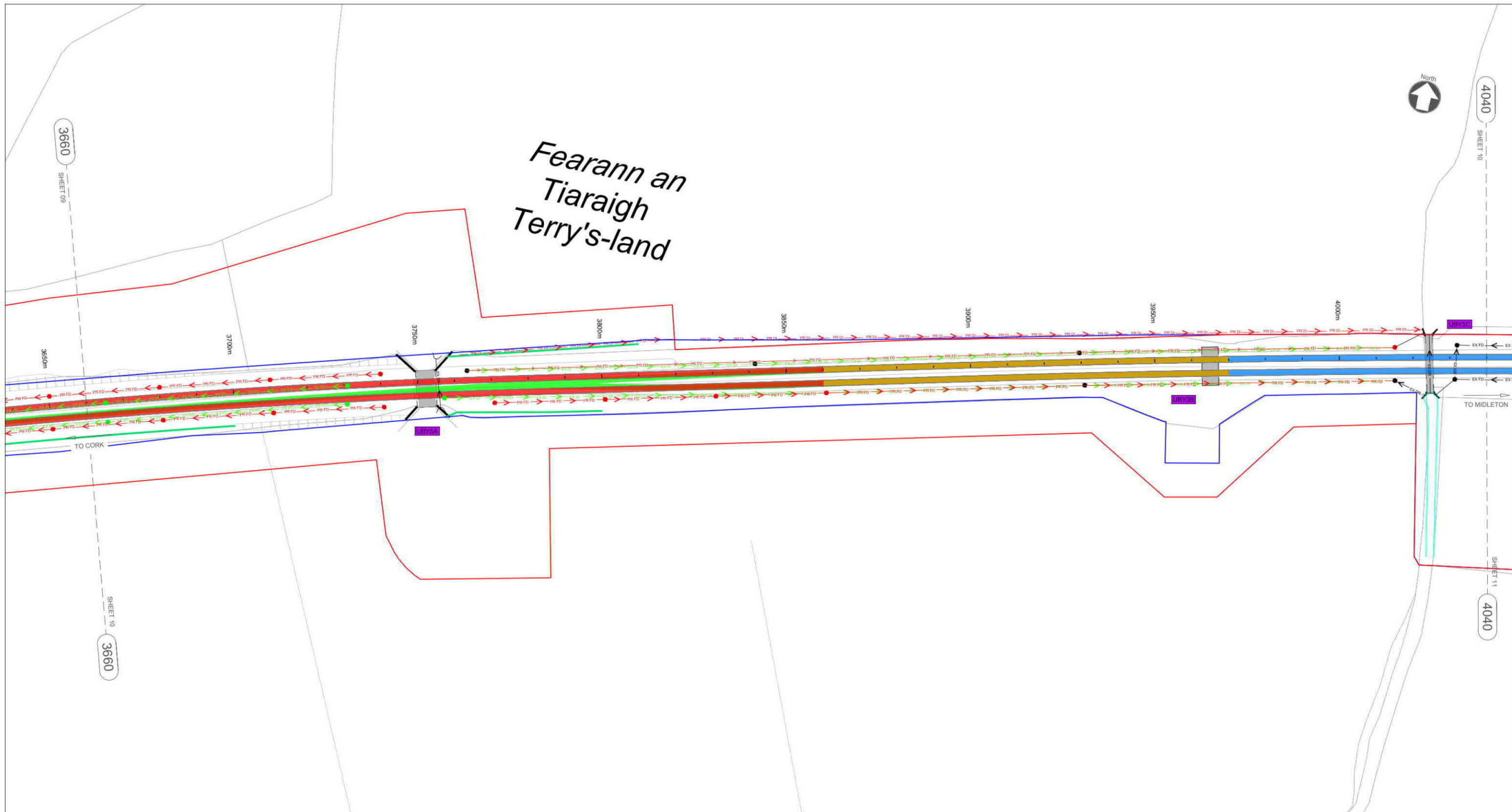
Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH3280 TO CH3660

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0009

Scale @A1: 1:500
Scale @A3: 1:1000

9 Sheet of 28

Approval: S
Purpose: P1
Rev: P02



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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. STEPHENS	D. GALLAGHER	G. BERCOT	N. SAMACHETTY

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Iarnród Éireann Irish Rail

CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

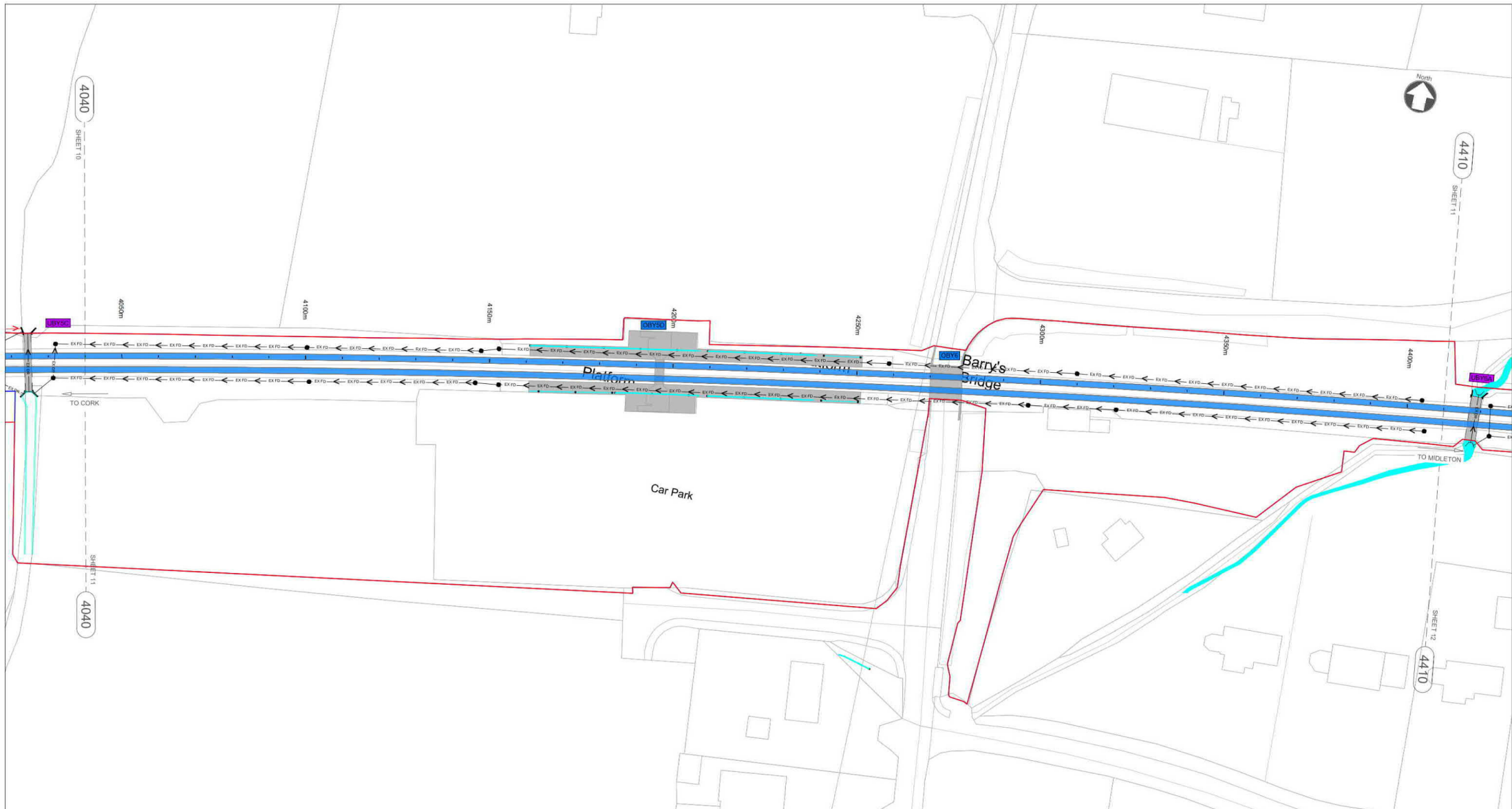
Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH3660 TO CH4040

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0010

Scale @A1: 1:500
Scale @A3: 1:1000

10 Sheet of 28

Acceptance: S
Purpose: P1
Rev: P02



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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	INS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	INS	JM	PHASE 3: PRELIMINARY DESIGN

Scale: 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. STEPHENS	D. GALLAGHER	G. BERECOT	N. SAMACHETTY

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CIE

Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK

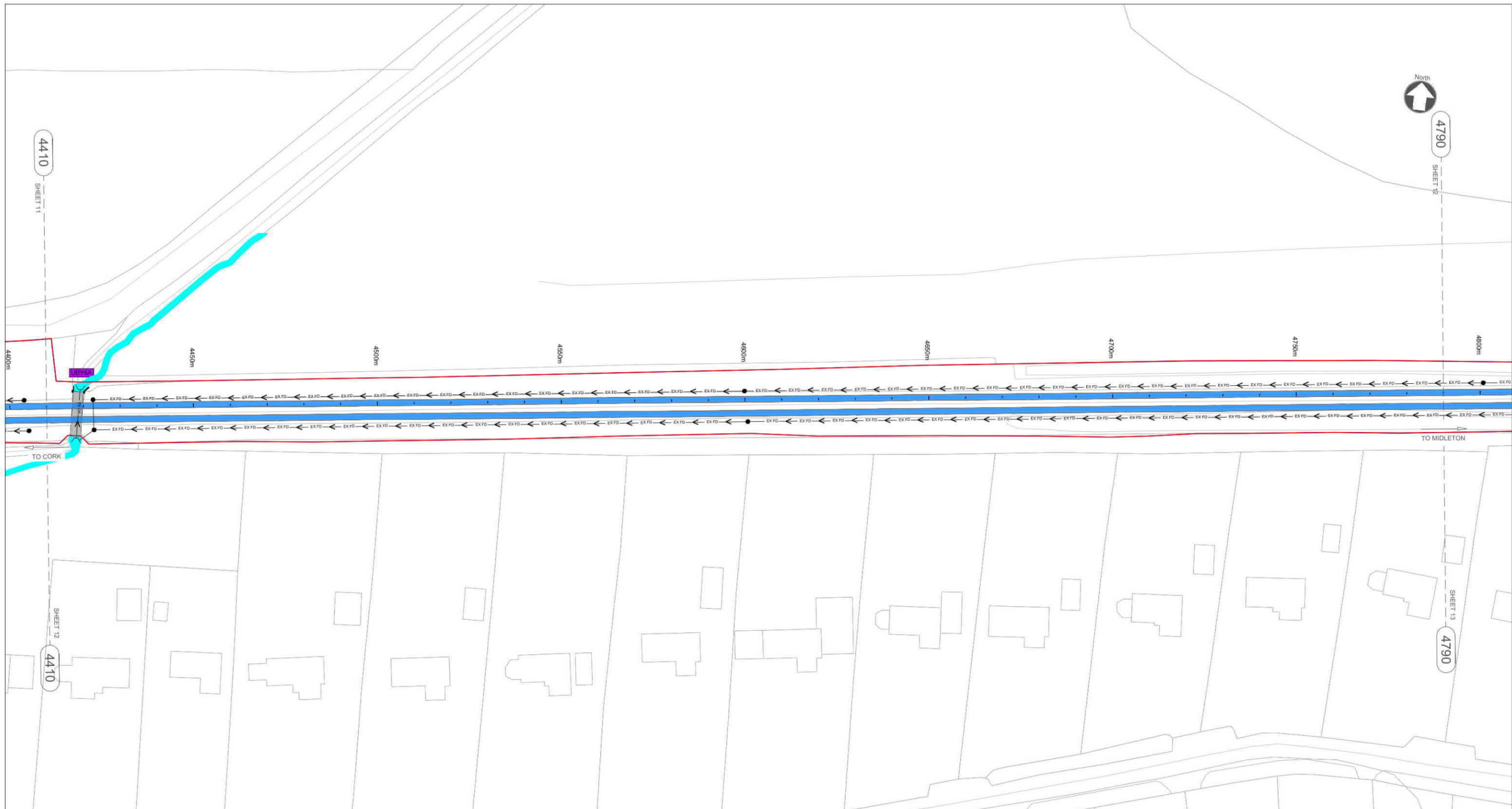
Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT CH4040 TO CH4410

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0011

Scale @A1: 1:500
Scale @A3: 1:1000

11 of 28

Acceptance: S
Purpose: P1
Rev: P02



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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
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	TRACKWORK TO BE REMOVED
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	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
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	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. STEPHENS	D. GALLAGHER	G. BERCOT	N. SAMACHETTY

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Iarnród Éireann Irish Rail

CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH4410 TO CH4790

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0012

12 Sheet of 28

Date	Coordination	Approved	Scale @A1	Scale @A3	Acceptance	Purpose	Rev
22/09/22	N.SAMACHETTY	J.MCINERNEY	1:500	1:1000	S	P1	P02

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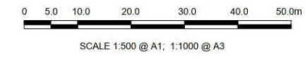
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	PROPOSED FILTER DRAIN
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	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

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	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
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Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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Iarnród Éireann Irish Rail

CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH4790 TO CH5170

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0013

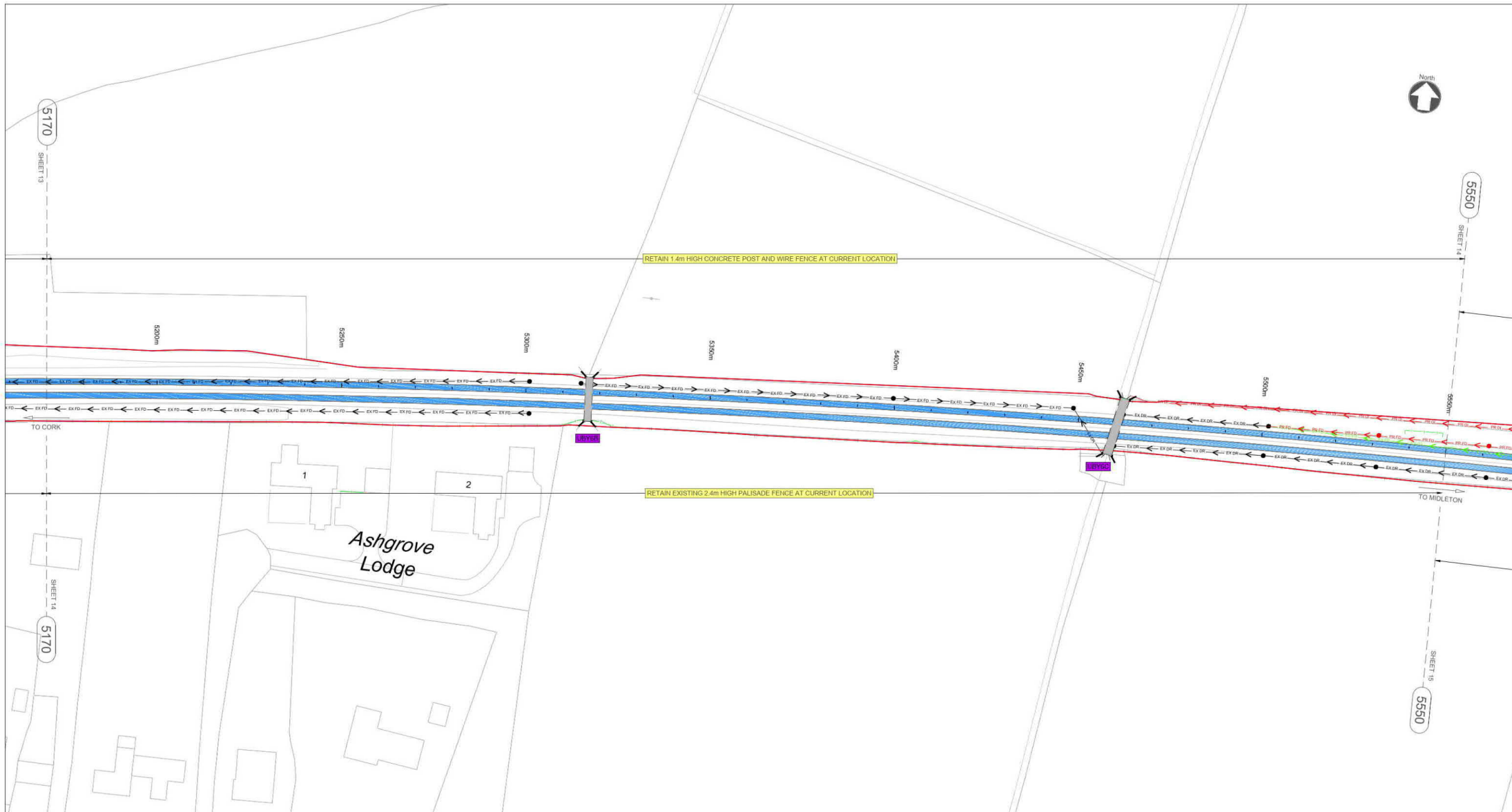
Date: 22/09/22 | Designed: K. Stephens | Drawn: D.GALLAGHER | Dwg check: G.BERCOT | Eng check: N.SAMACHETTY | Coordination: N.SAMACHETTY | Approved: J.MCINERNEY | Scale @A1: 1:500 | Scale @A3: 1:1000 | Acceptance: S | Purpose: P1 | Rev: P02

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DRAINAGE LEGEND

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	EXISTING FILTER DRAIN TO BE REMOVED
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	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
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	CIE LAND OWNERSHIP

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Rev	Date	Drawn	Eng	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. Stephens	D.GALLAGHER	G.BERCOT	N.SAMACHETTY

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CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDDLETON TWIN TRACK

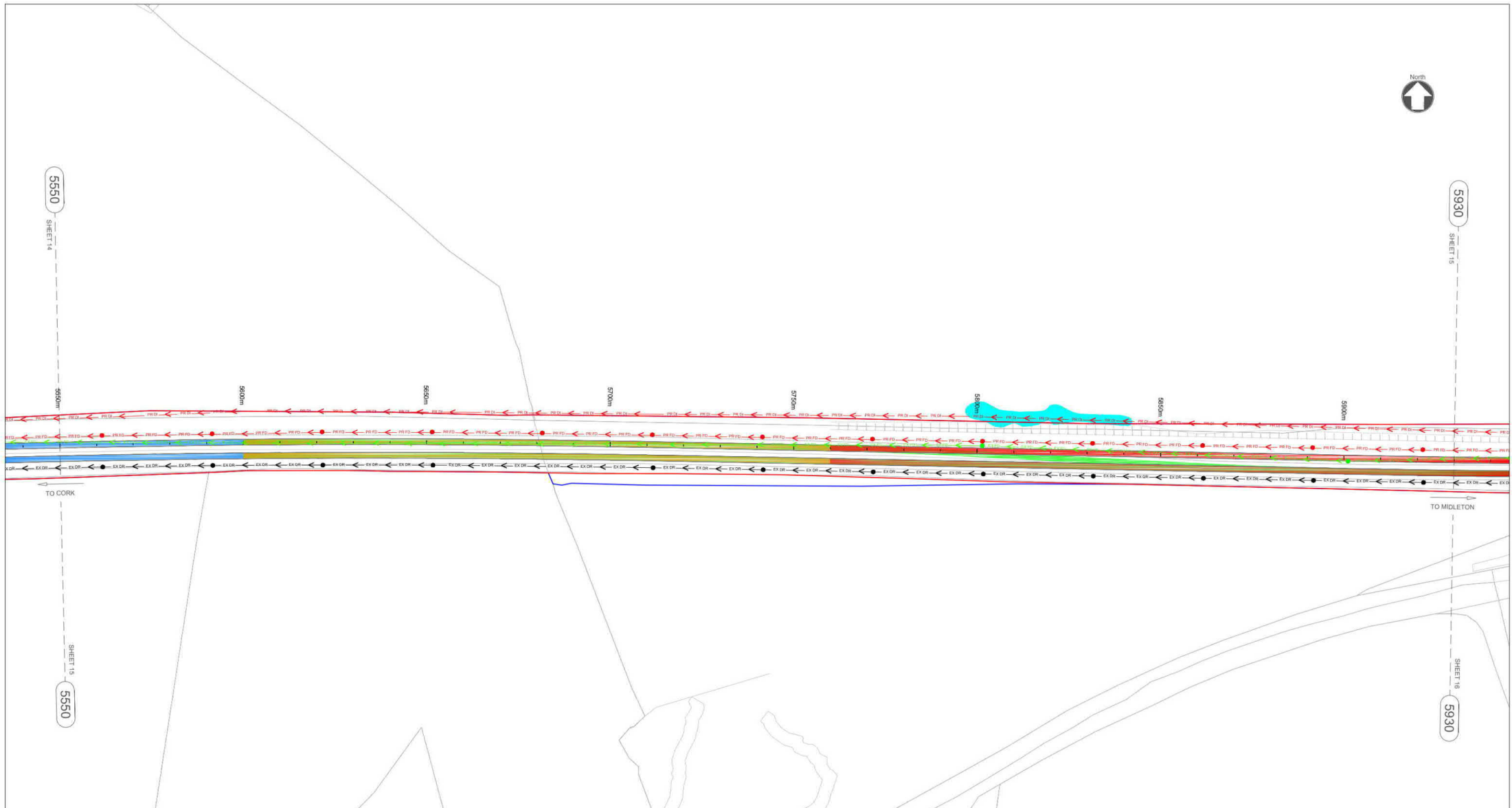
Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH5170 TO CH5550

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0014

Scale @A1: 1:500
Scale @A3: 1:1000

14 Sheet of 28

Approval: J.MCINERNEY
Acceptance: S
Purpose: P1
Rev: P02



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DRAINAGE LEGEND

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Rev	Date	Drawn	Eng	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. Stephens	D.GALLAGHER	G.BERCOT	N.SAMACHETTY

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CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH5550 TO CH5930

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0015

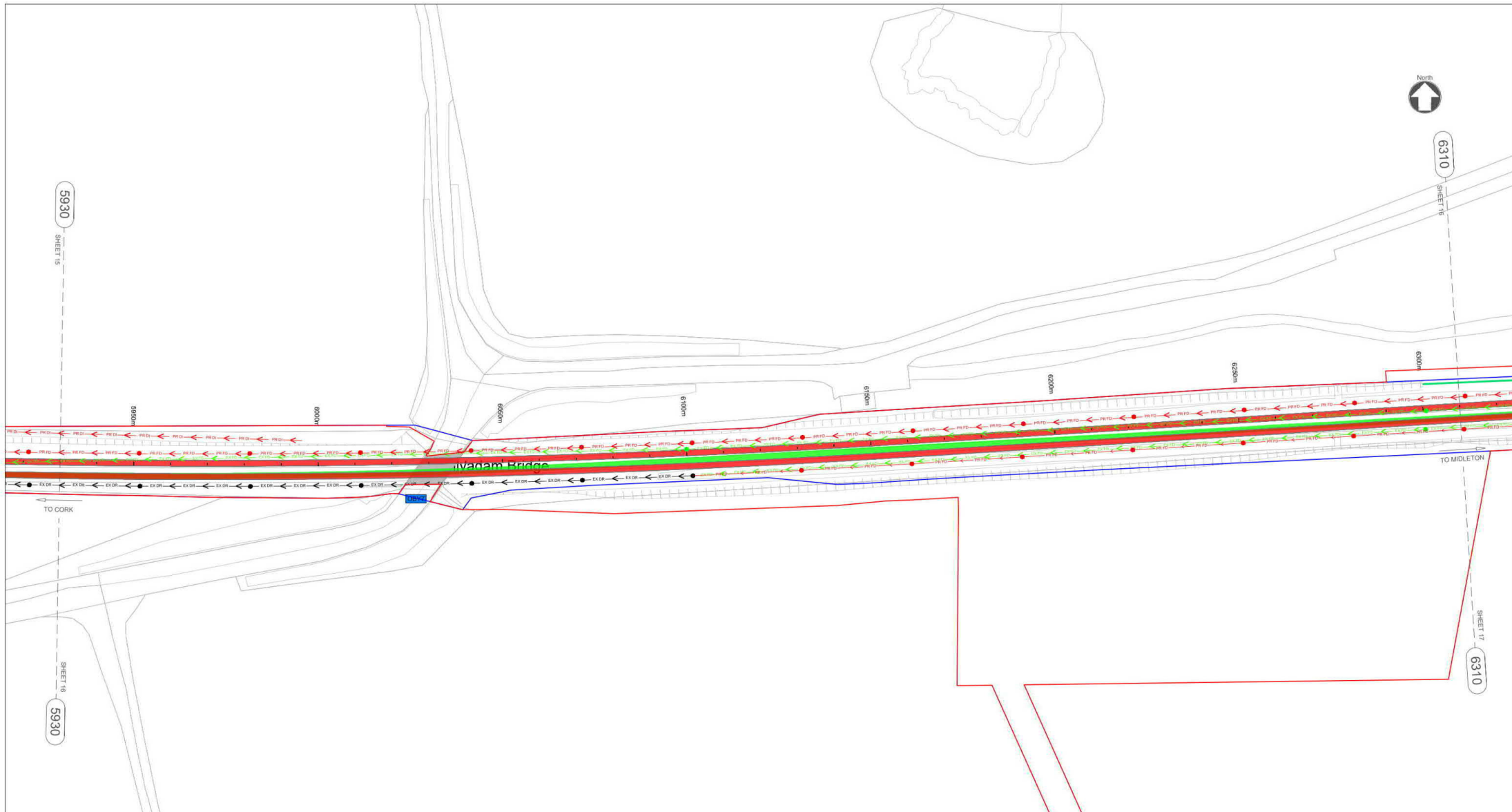
Scale @A1: 1:500
Scale @A3: 1:1000

Acceptance: S

Purpose: P1

Rev: P02

15 Sheet of 28



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DRAINAGE LEGEND

	EX FD	EXISTING FILTER DRAIN TO BE RETAINED
	FD	EXISTING FILTER DRAIN TO BE REMOVED
	PRO FD	PROPOSED FILTER DRAIN
	EX DI	EXISTING DITCH TO BE RETAINED
	DI	EXISTING DITCH TO BE REMOVED
	PRO DI	PROPOSED DITCH
	●	EXISTING MANHOLE TO BE RETAINED
	●	EXISTING MANHOLE TO BE REMOVED
	●	PROPOSED MANHOLE
	—	RUNNING LINES
	—	EXISTING TRACK SLUED OR MODIFIED
	—	SIDINGS
	—	PROPOSED TRACKWORK
	—	TRACKWORK TO BE REMOVED
	—	DEVELOPMENT BOUNDARY
	—	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	OBV XX	EXISTING OVERBRIDGE
	OSV XX	OVERBRIDGE TO BE DEMOLISHED
	UBV XX	EXISTING UNDERBRIDGE
	UOV XX	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. Stephens	D. GALLAGHER	G. BERECOT	N. SAMACHETTY

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CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH5930 TO CH6310

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0016

Scale @A1: 1:500
Scale @A3: 1:1000

16 Sheet of 28

Approval: S
Purpose: P1
Rev: P02



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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. STEPHENS	D. GALLAGHER	G. BERCOT	N. SAMACHETTY

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CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH6310 TO CH6690

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0017

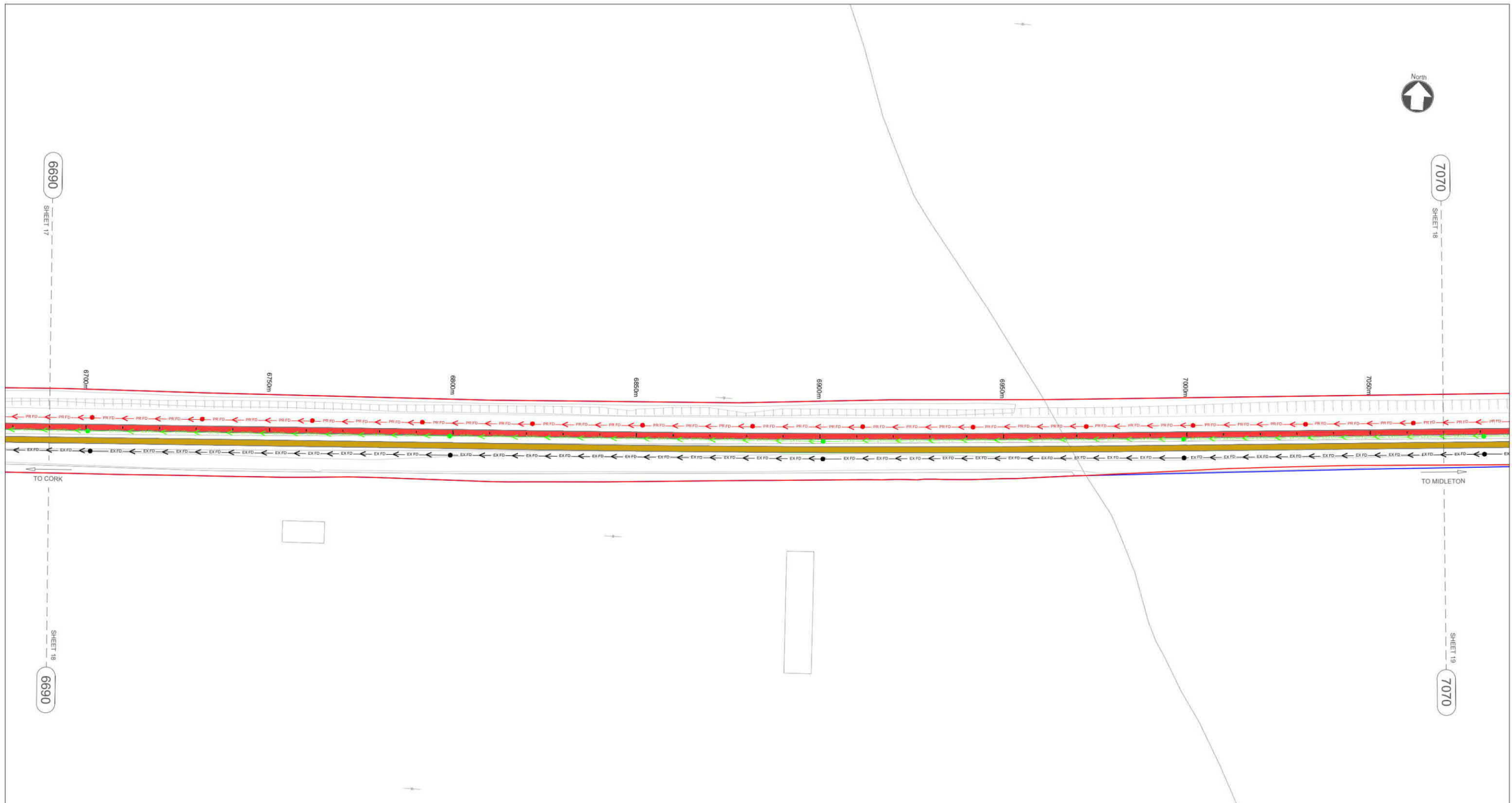
17 of 28

Scale @A1: 1:500
Scale @A3: 1:1000

Acceptance: S

Purpose: P1

Rev: P02



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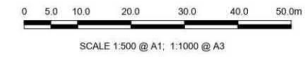
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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED



Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH6690 TO CH7070

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0018

Scale @A1: 1:500
Scale @A3: 1:1000

18 Sheet of 28

Date: 22/09/22
Designed: K. Stephens
Drawn: D.GALLAGHER
Dwg check: G.BERCOT
Eng check: N.SAMACHETTY

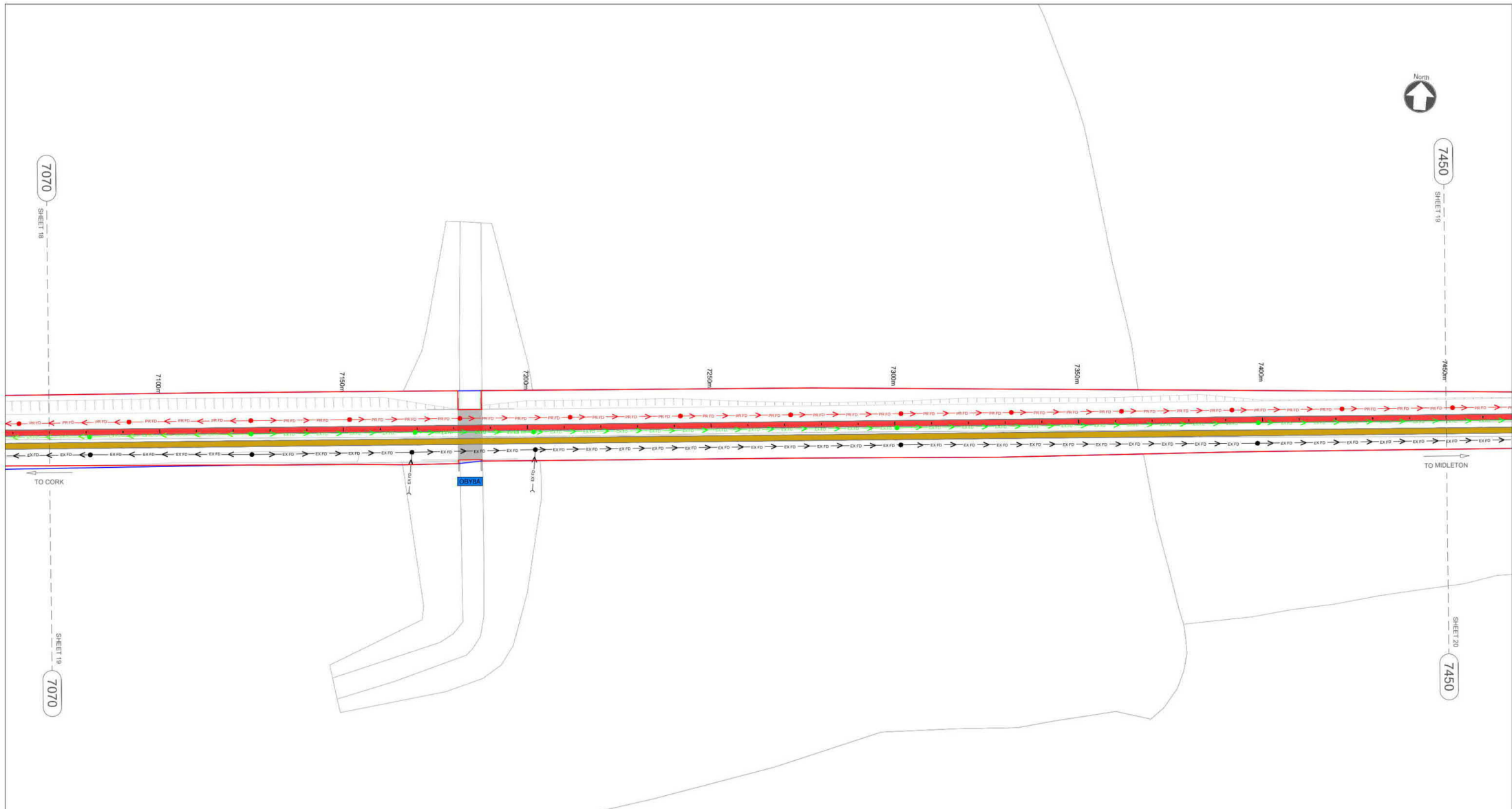
Coordination: N.SAMACHETTY
Approved: J.MCINERNEY

Acceptance: S
Purpose: P1
Rev: P02

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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. Stephens	D. GALLAGHER	G. BERECOT	N. SAMACHETTY

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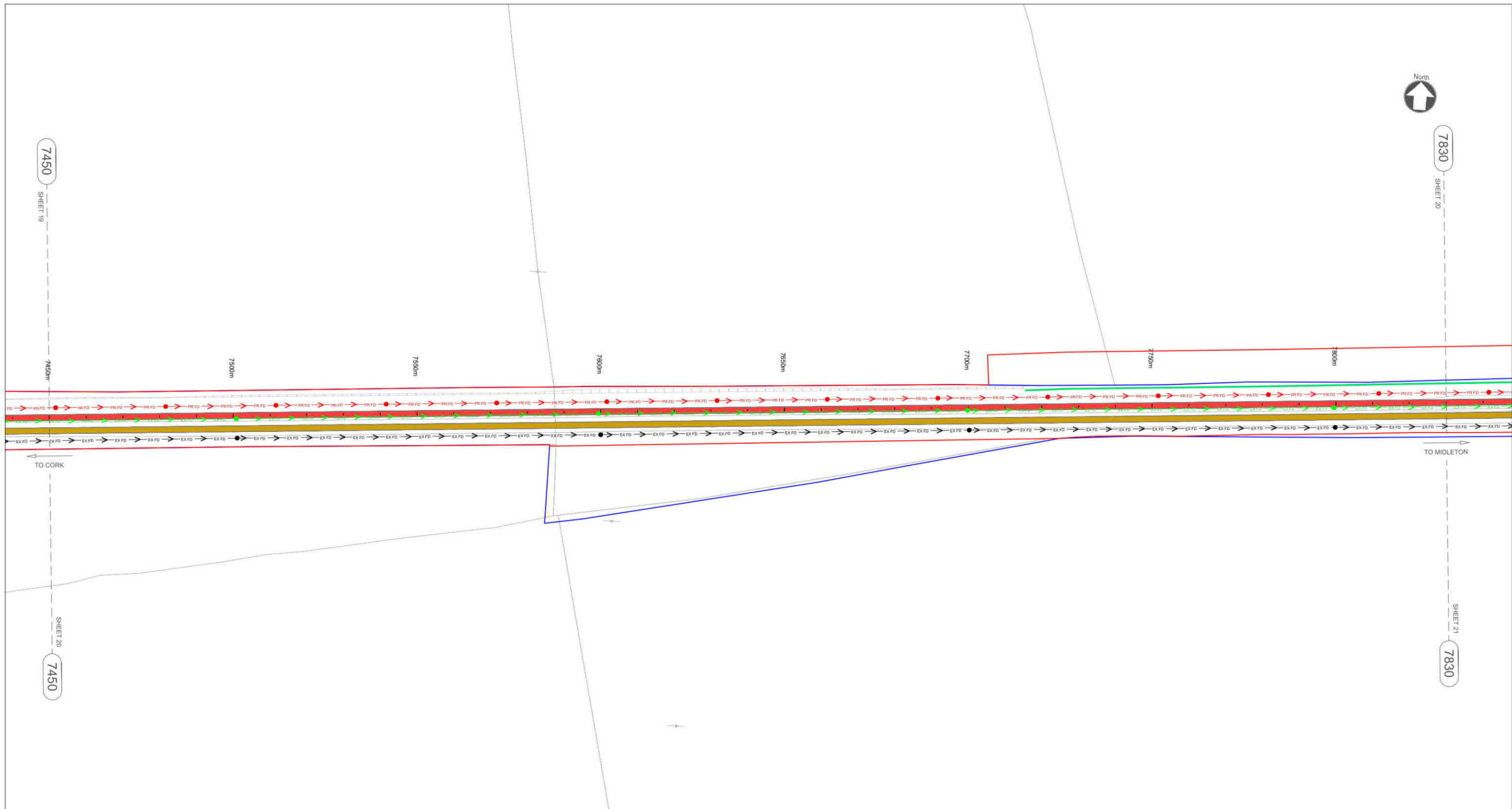
Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT CH7070 TO CH7450

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0019

19 Sheet of 28

Coordination	Approved	Scale @A1	Acceptance	Purpose	Rev
N.SAMACHETTY	J.MCINERNEY	1:500	S	P1	P02



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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. STEPHENS	D. GALLAGHER	G. BERCOT	N. SAMACHETTY

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CIE

Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT CH7450 TO CH7830

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0020

Scale @A1: 1:500
Scale @A3: 1:1000

20 Sheet of 28

Rev P1 P02



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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. STEPHENS	D. GALLAGHER	G. BERCOT	N. SAMACHETTY

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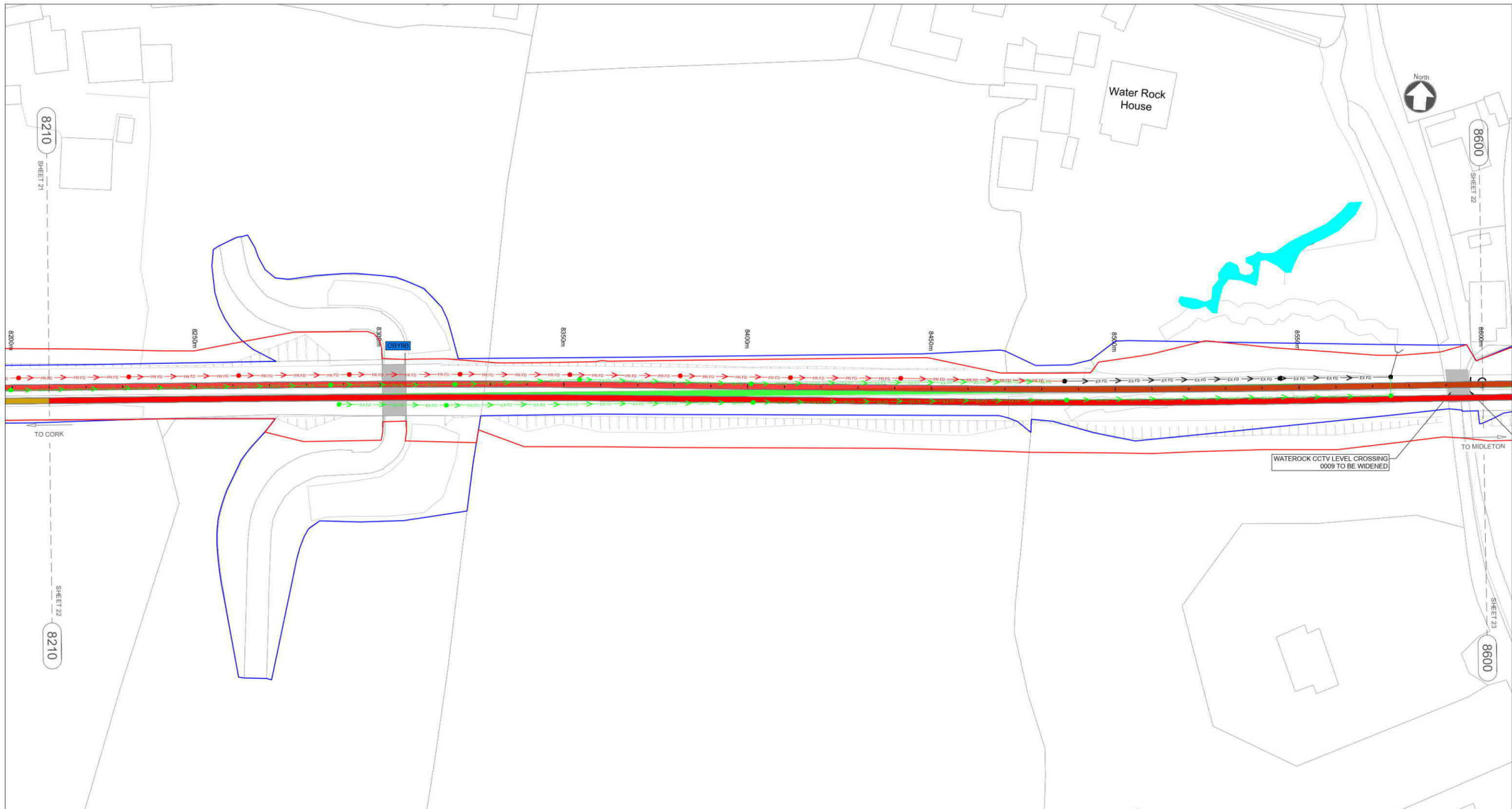
Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH7830 TO CH8210

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0021

21 of 28

Scale @A1: 1:500	Scale @A3: 1:1000	Acceptance	Purpose	Rev
		S	P1	P02



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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng	Appr	Description
P01	13/06/22	TN	INS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	INS	JM	PHASE 3: PRELIMINARY DESIGN

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. STEPHENS	D. GALLAGHER	G. BERCOT	N. SAMACHETTY

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CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH8210 TO CH8600

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0022

22 of 28

Scale @A1	Scale @A3	Acceptance	Purpose	Rev
Scale @1:500	Scale @1:1000	S	P1	P02



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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. STEPHENS	D. GALLAGHER	G. BERCOT	N. SAMACHETTY

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Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

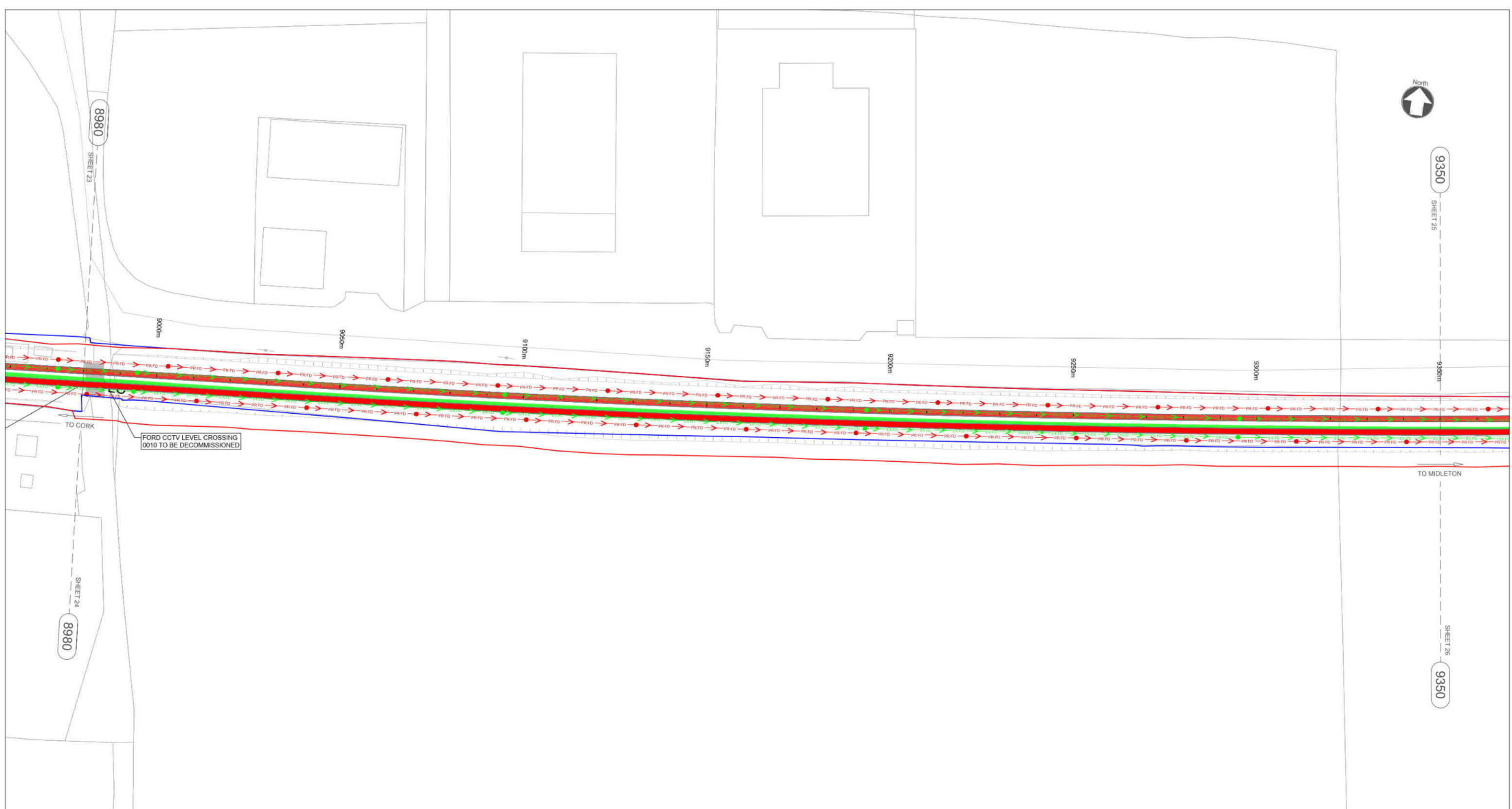
Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH8600 TO CH8980

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0023

Scale @A1: 1:500
Scale @A3: 1:1000

23 Sheet of 28

Purpose: P1
Rev: P02



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DRAINAGE LEGEND

	EXISTING FILTER DRAIN TO BE RETAINED
	EXISTING FILTER DRAIN TO BE REMOVED
	PROPOSED FILTER DRAIN
	EXISTING DITCH TO BE RETAINED
	EXISTING DITCH TO BE REMOVED
	PROPOSED DITCH
	EXISTING MANHOLE TO BE RETAINED
	EXISTING MANHOLE TO BE REMOVED
	PROPOSED MANHOLE
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. Stephens	D.GALLAGHER	G.BERCOT	N.SAMACHETTY

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Iarnród Éireann Irish Rail

CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH8980 TO CH9350

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0024

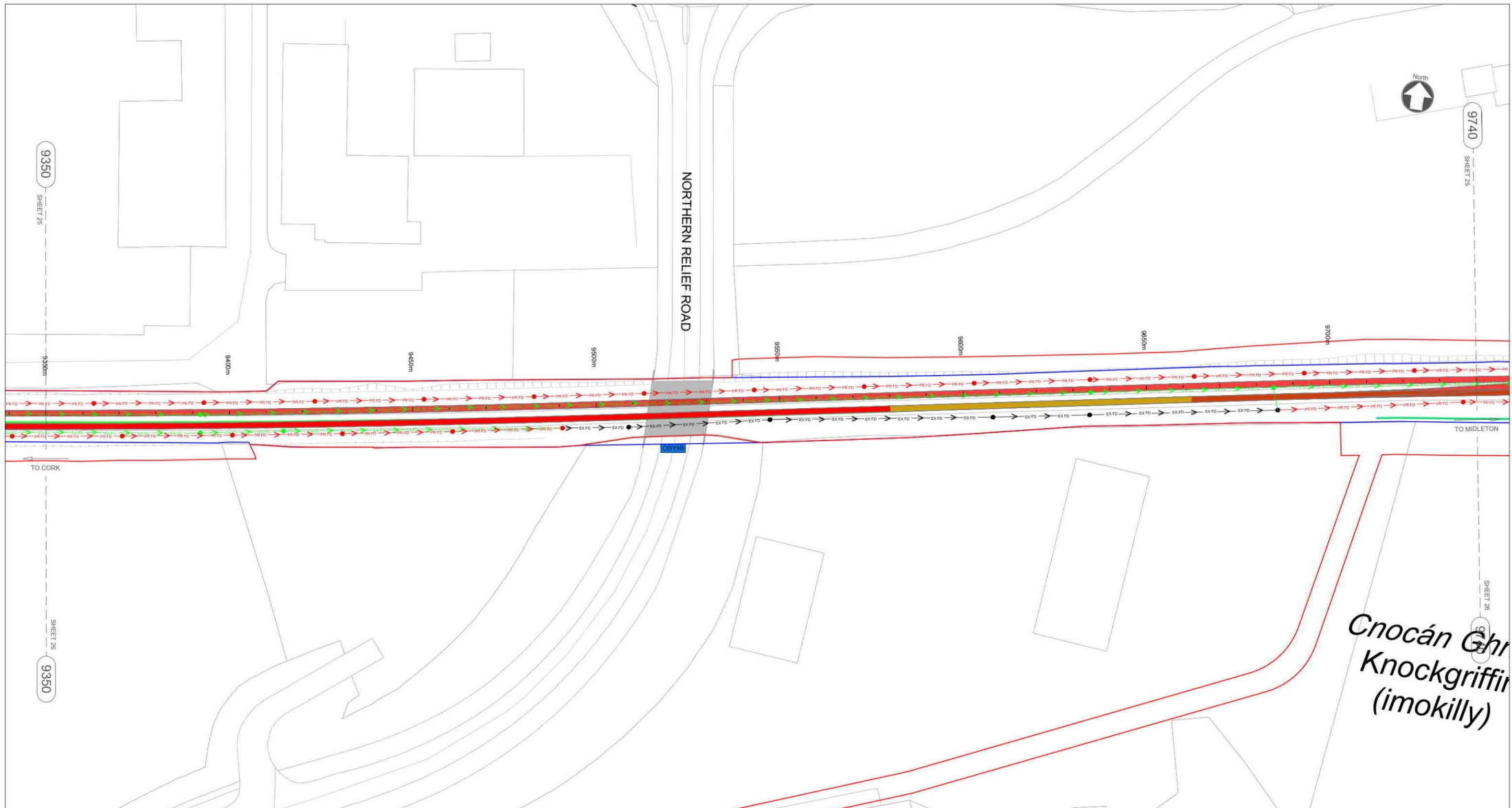
24 Sheet of 28

Date	Coordination	Approved	Scale @A1	Scale @A3	Acceptance	Purpose	Rev
22/09/22	N.SAMACHETTY	J.MCINERNEY	1:500	1:1000	S	P1	P02

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22/09/22	K. Stephens	D. GALLAGHER	G. BERCOT	N. SAMACHETTY

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Iarnród Éireann Irish Rail

CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH9350 TO CH9740

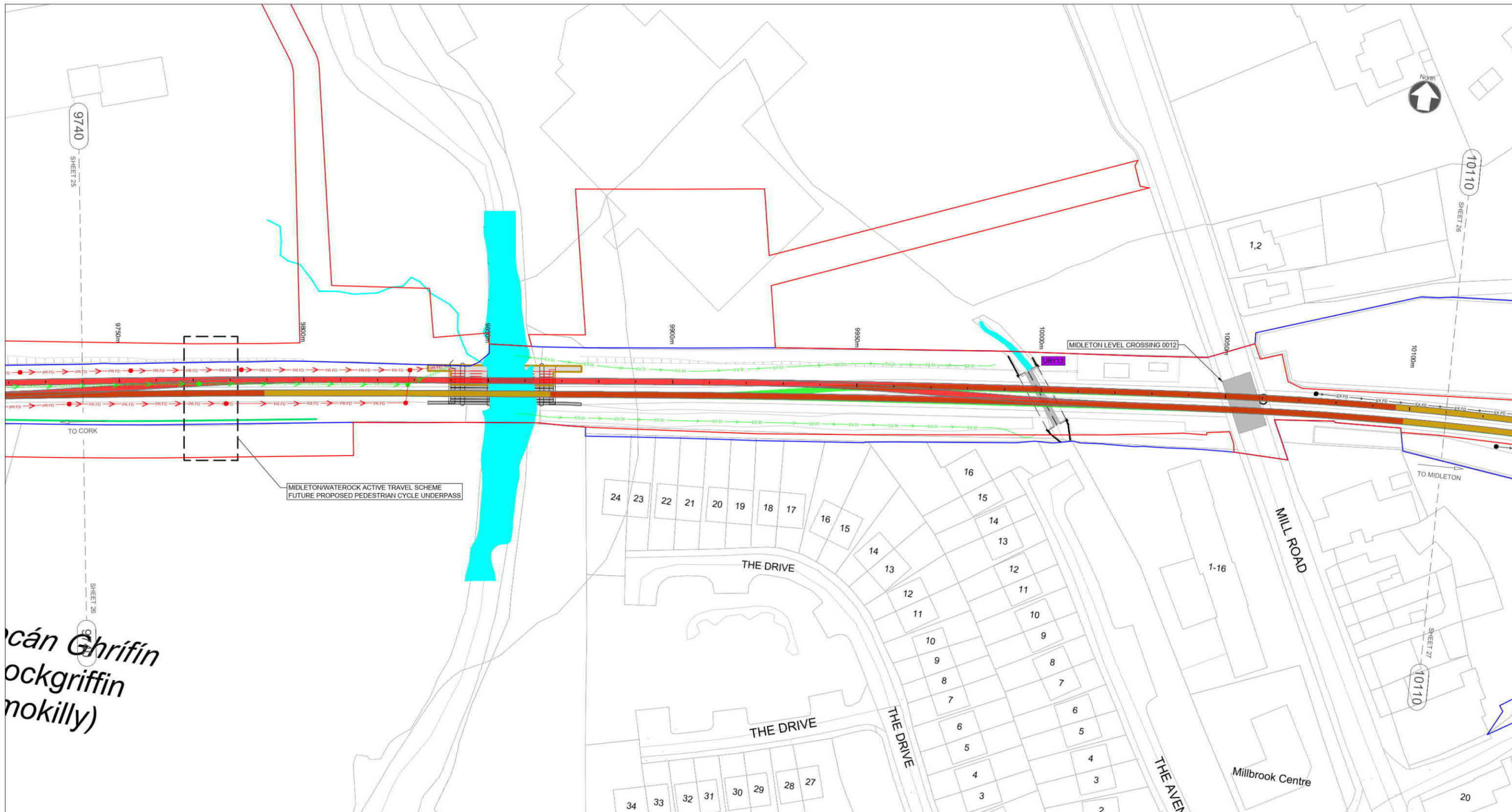
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Scale @A1: 1:500
Scale @A3: 1:1000

25 Sheet of 28

Acceptance Purpose: S P1

Rev: P02



cán Ghrifín
 rockgriffin
 nokilly)

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	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

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Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	TN	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	DG	NS	JM	PHASE 3: PRELIMINARY DESIGN

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 SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	K. Stephens	D. GALLAGHER	G. BERCOT	N. SAMACHETTY

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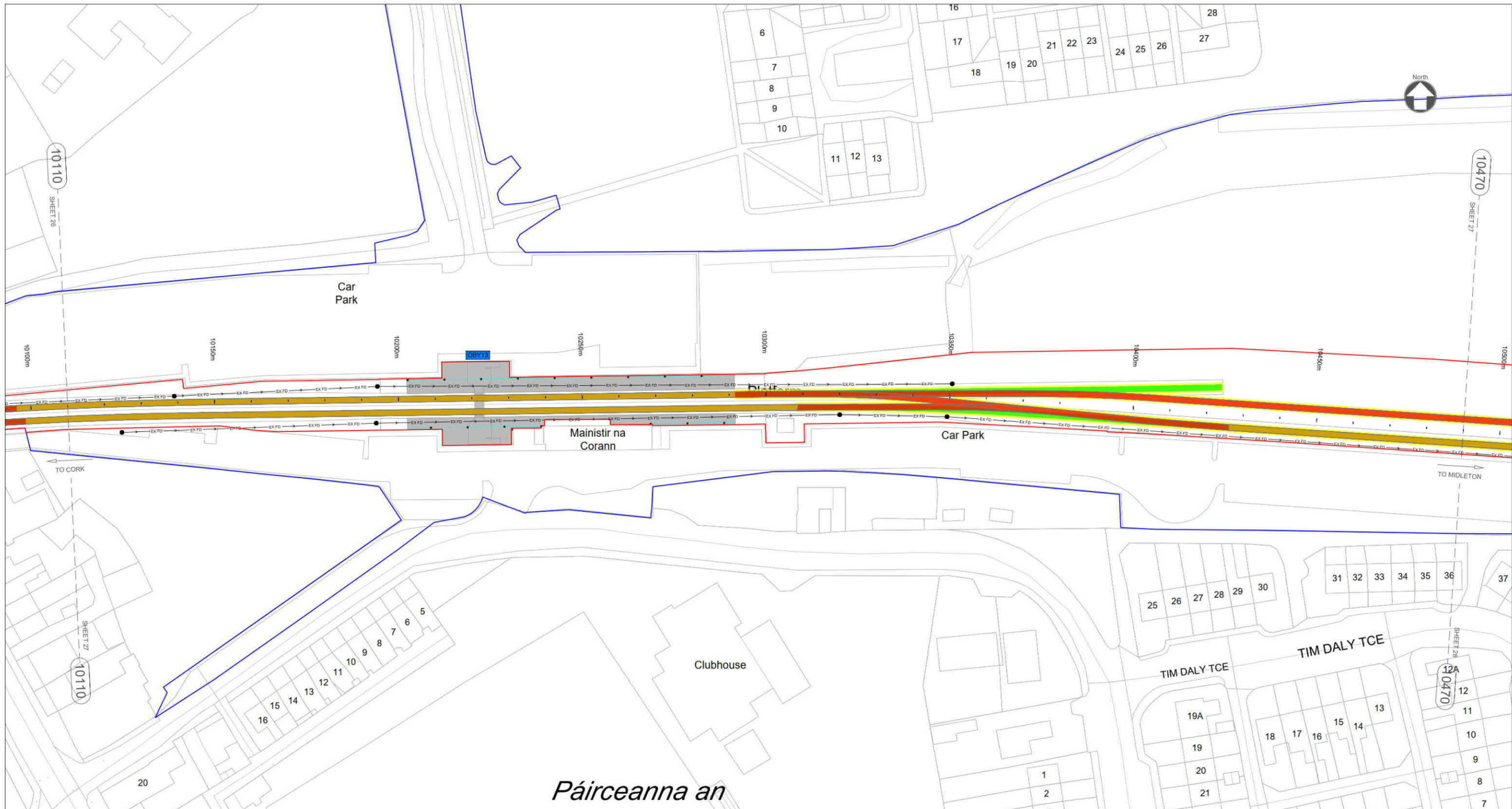
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Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK
 Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT CH9740 TO CH10110
 Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0026
 Coordination: N.SAMACHETTY
 Approved: J.MCINERNEY
 Scale @A1: 1:500
 Scale @A3: 1:1000
 Acceptance: S
 Purpose: P1
 Rev: P02

Sheet 26 of 28



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Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

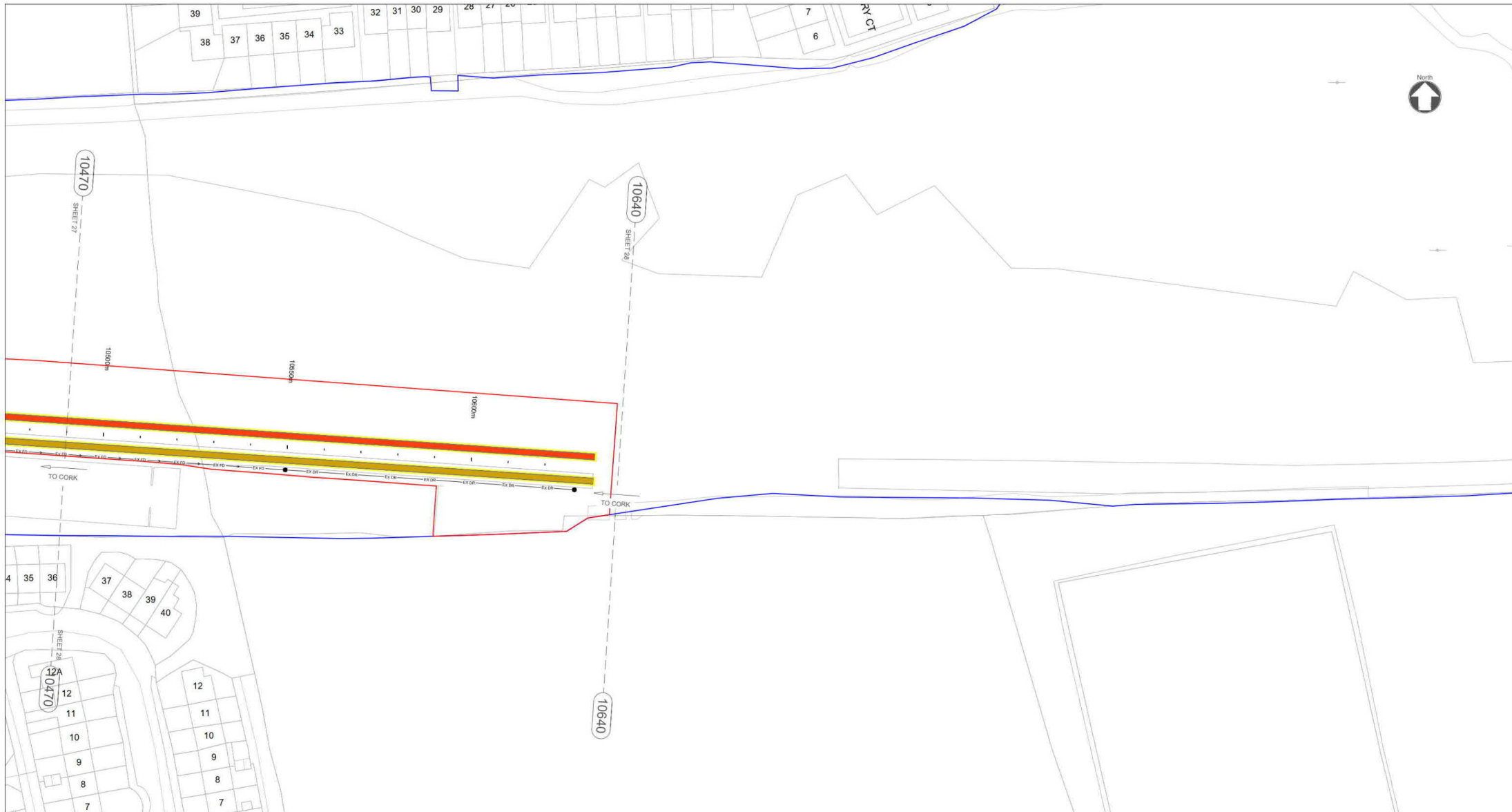
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CH10110 TO CH10470

Drawing File Name: C745-WP3-03-XX-XX-DR-MMD-DE-0027

Scale @A1: 1:500
Scale @A3: 1:1000

Sheet 27 of 28

Accomplishment: S
Purpose: P1
Rev: P02



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Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: PROPOSED TRACK DRAINAGE LAYOUT
CH10470 TO CH10640

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-DE-0028

Scale @A1: 1:500
Scale @A3: 1:1000

Acceptance: S
Purpose: P1
Rev: P02

Sheet of 28

STRUCTURES PLANS

DRAWING NUMBER

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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. CH3236 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 MIDDLETON STATION, PLAN, SECTION & DETAILS
 EXISTING OVERBRIDGE OBY11. CH8854 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 UBY6A. 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
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 EXISTING CULVERT UBY6C. CH5460, PLAN, SECTIONS AND ELEVATIONS
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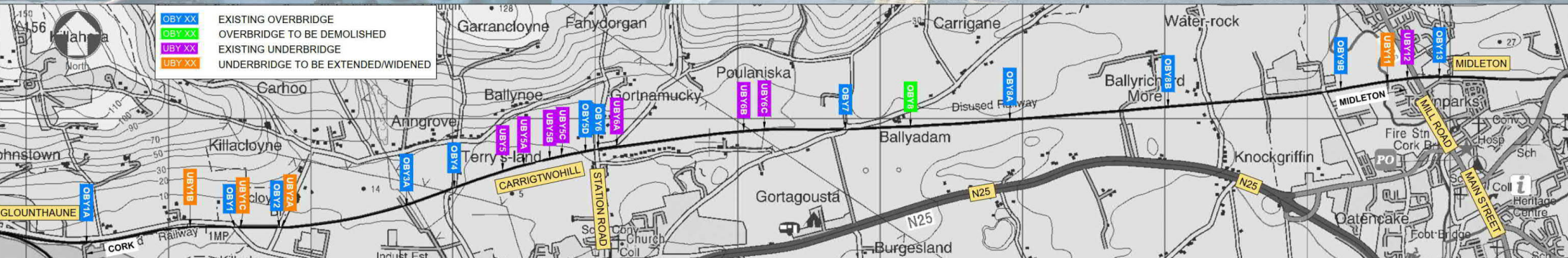
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National Transport Authority

Maoinithe ag an Aontas Eorpach
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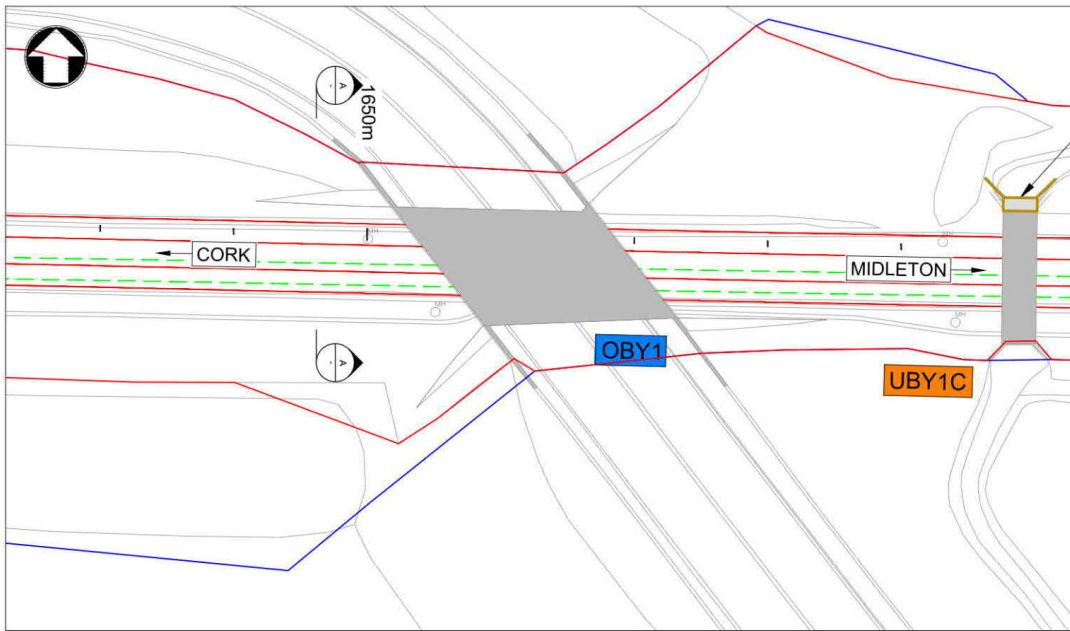


GLOUNTHAUNE - MIDLETON TWIN TRACK PROJECT

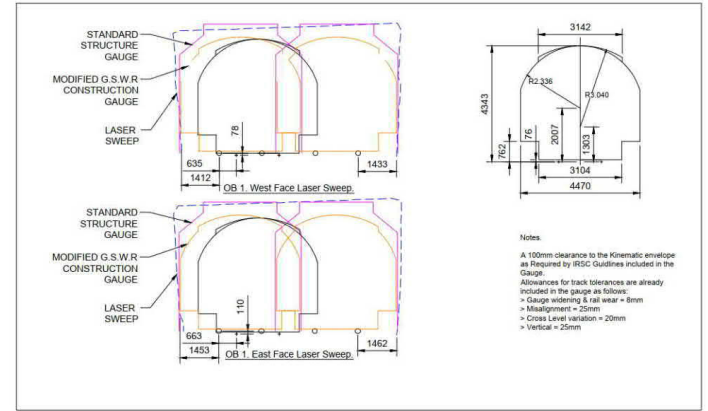
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Client: Iarnród Éireann-Irish Rail Connolly Station Amiens Street Dublin 1 D01 VE6E		Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK																									
		Drawing Title: STRUCTURES PLANS TITLE SHEET AND KEY PLAN																									
<p>5 Eastgate Avenue Eastgate Little Island Cork Ireland T +353 (0) 21 4809800 F +353 (0) 21 4809801 W www.mottmac.com</p>		Drawing File Name: C745-WP3 Coordination: N.SAMACHETTY Approved: J.MCINERNEY Scale @A1: NTS Scale @A3: NTS Acceptance: S Purpose: P3 Rev: P01																									
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Rev	Date	Drawn	Eng	Appr	Description																						
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22/09/22		Designed	Drawn	Eng	Check																						
		Mangurov	R.SEWARD	R.SEWARD	N.SAMACHETTY																						

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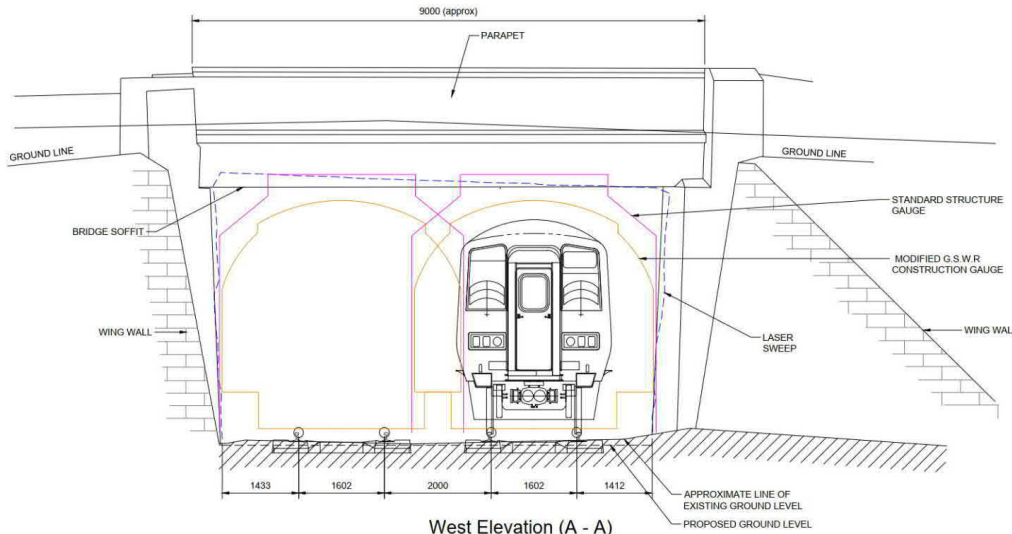
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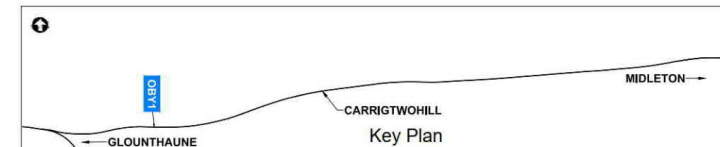
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As Built Bridge Survey
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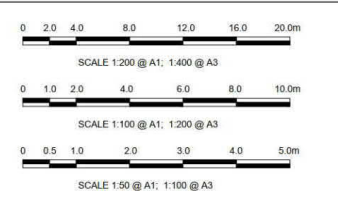


Key Plan

- NOTES**
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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	RS	DA	JM	Preliminary Design for Public Consultation
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN
Rev	Date	Drawn	Eng	Appr	Description
	22/09/22	R. SEXTON	R. SEWARD	R. SEXTON	

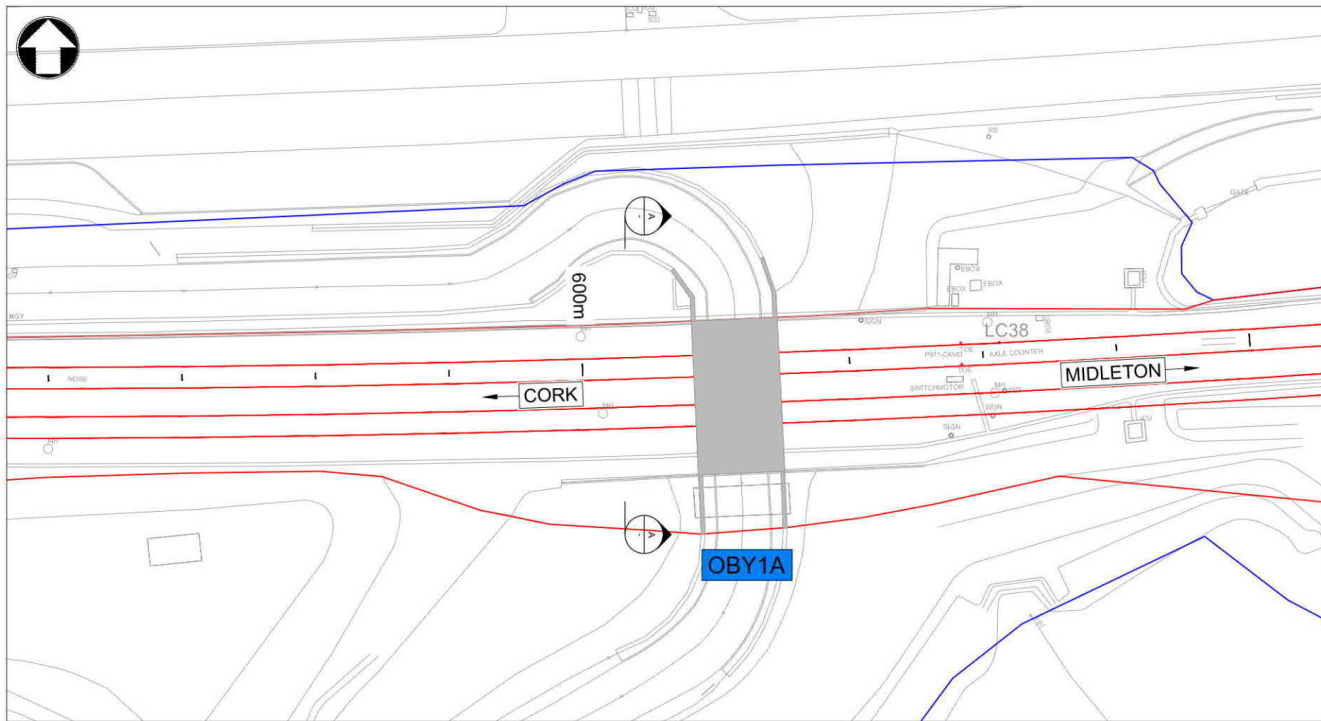
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GLOUNTHAUNE - MIDDLETON TWIN TRACK

Drawing Title: EXISTING OVERBRIDGE OBY1
CH1663 KILLACLOYNE BRIDGE
PLAN, SECTION & DETAILS

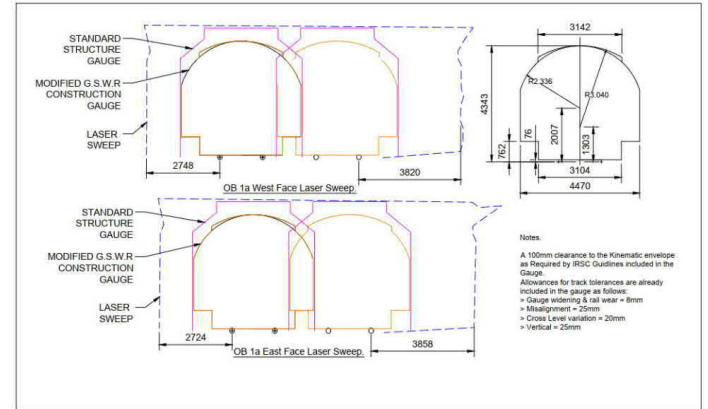
Drawing File Name: C745-WP3
03-XX-XX-XXX-DR-MMD-SE-0110

Coordination: N.SAMACHETTY	Approval: J.MCINERNEY	Scale: @A1: AS SHOWN	Acceptance: S	Purpose: P1	Rev: P02
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2 of 26

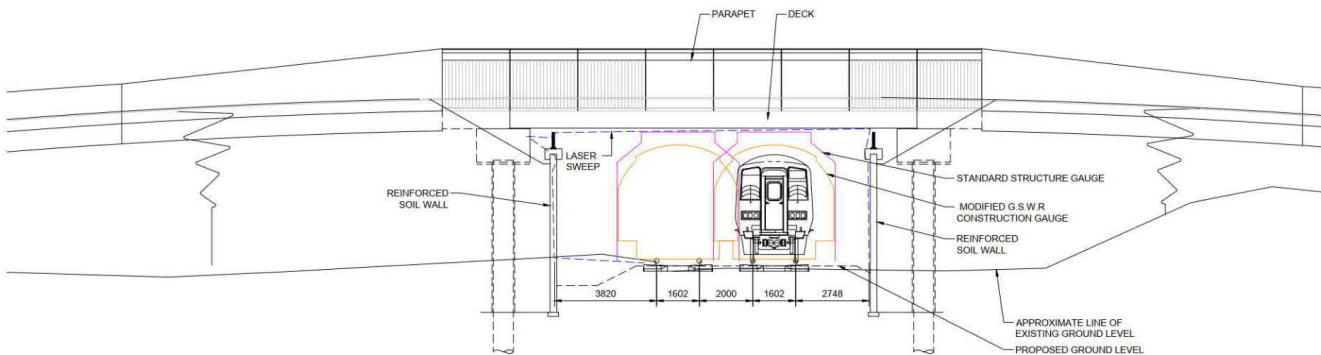


Plan
1:200 @ A1, 1:400 @ A3

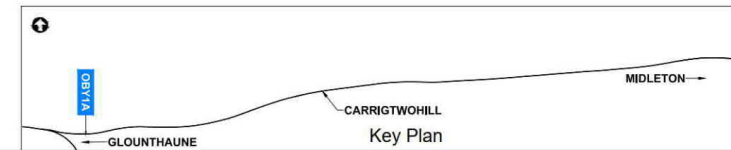


Notes:
A 100mm clearance to the Kinematic envelope as Required by IRSC Guidelines is included in the Gauge.
Allowances for track tolerances are already included in the gauge as follows:
=> Gauge widening & rail level = 8mm
=> Misalignment = 25mm
=> Cross Level variation = 20mm
=> Vertical = 25mm

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



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



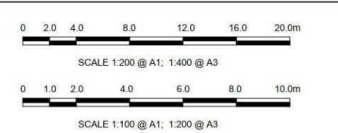
Key Plan

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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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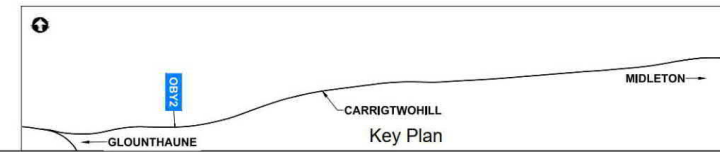
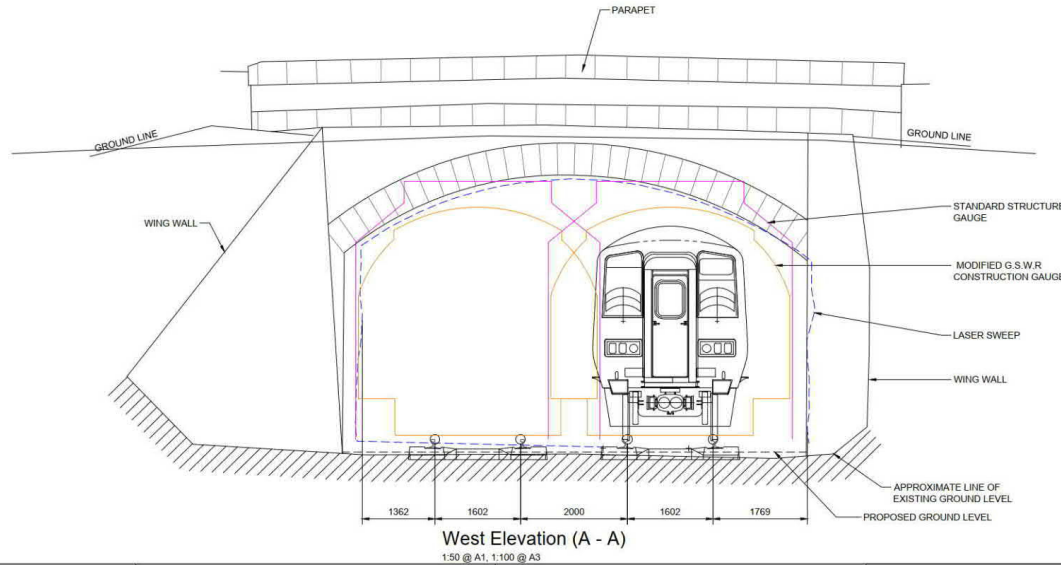
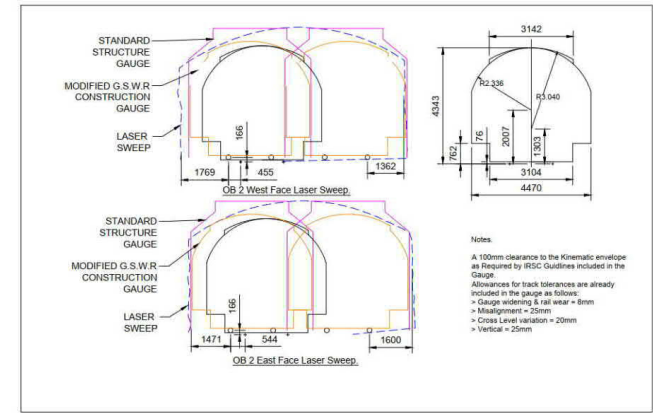
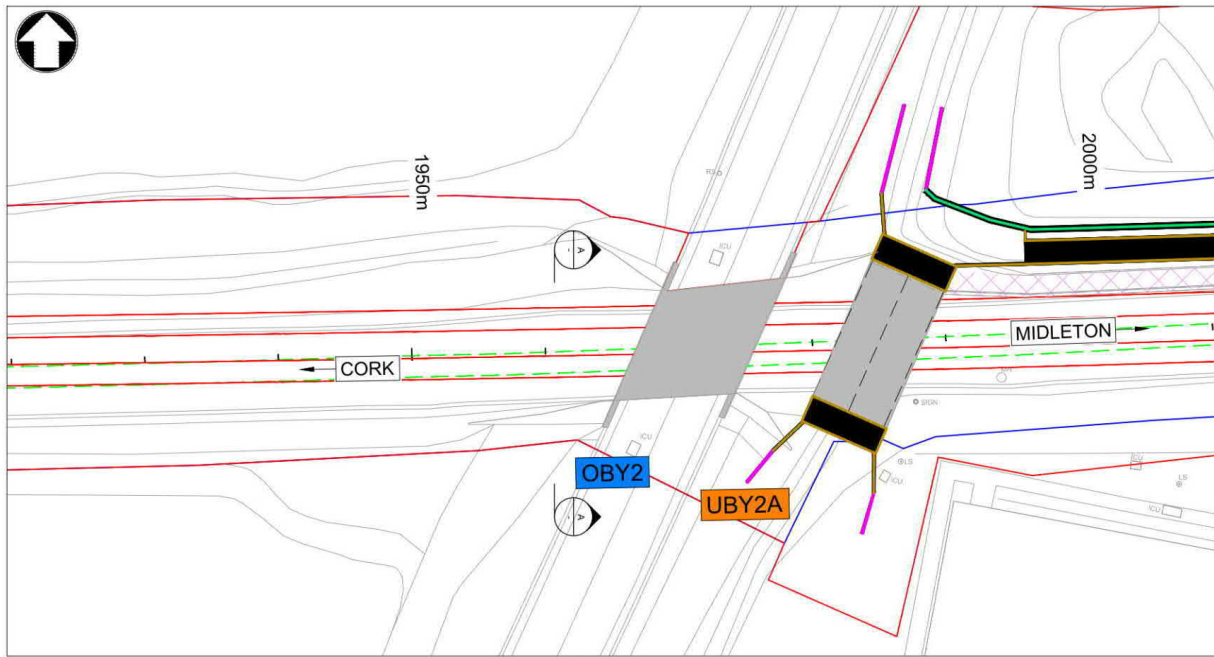
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Rev	Date	Drawn	Eng Check	Appr	Description				
P01	10/06/22	RS	DA	JM	Preliminary Design for Public Consultation				
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN				
Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD	Dwg check	R. SEXTON	Eng check	N. SAMACHETTY

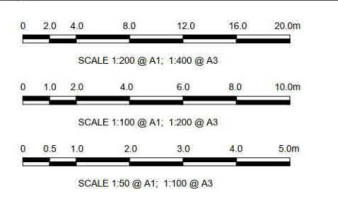
Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title		EXISTING OVERBRIDGE OBY1A CH611 GLOUNTHAUNE PLAN, SECTION & DETAILS	
Drawing File Name	C745-WP3	03-XX-XX-XXX-DR-MMD-SE-0100	1 of 26
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1: AS SHOWN	Scale @A3: AS SHOWN	Purpose	P1
Revision	R	Revision	P02



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

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDDLETON 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

Coordination: N.SAMACHETTY
Approval: J.MCINERNEY

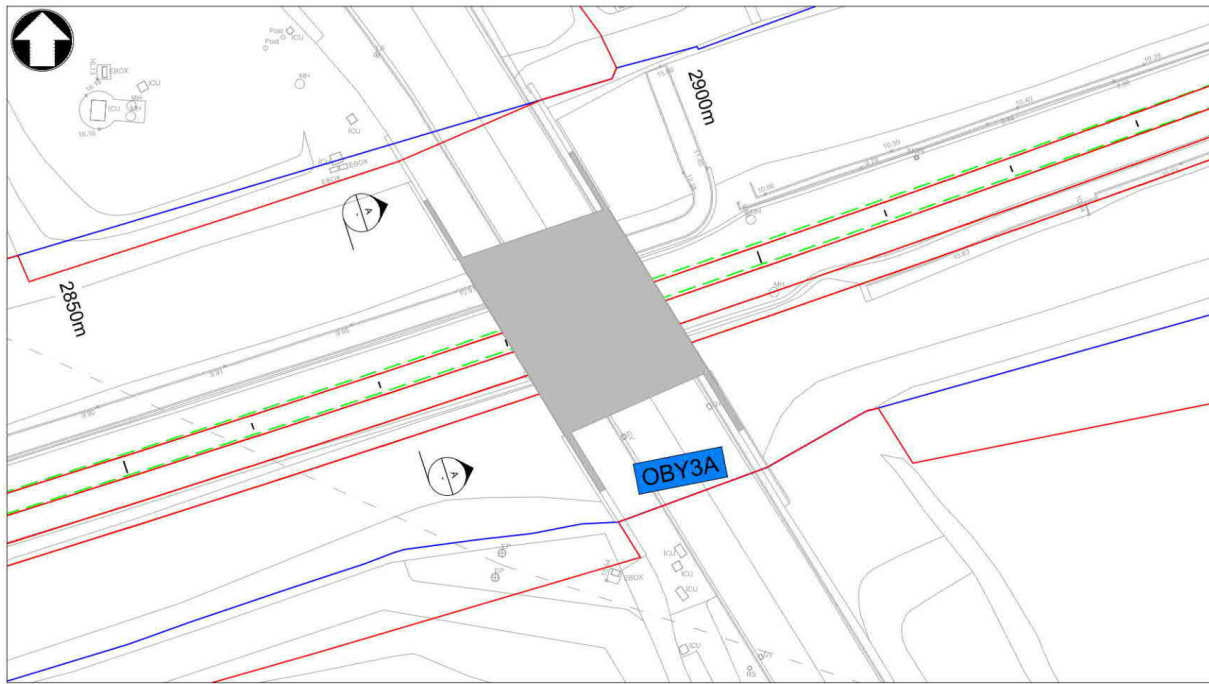
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Acceptance: S

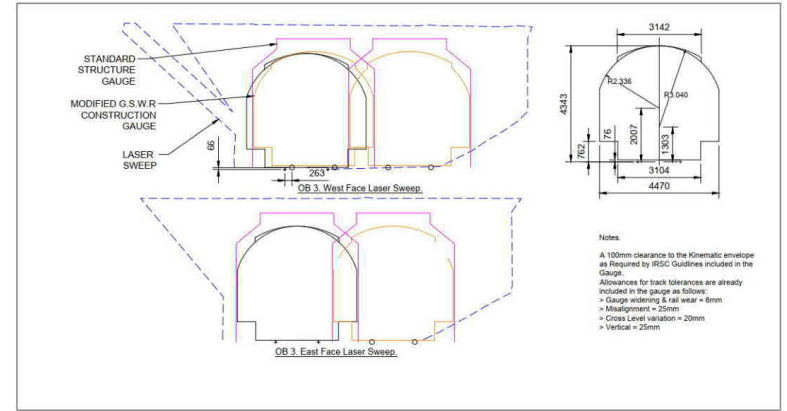
Purpose: P1

Rev: P02

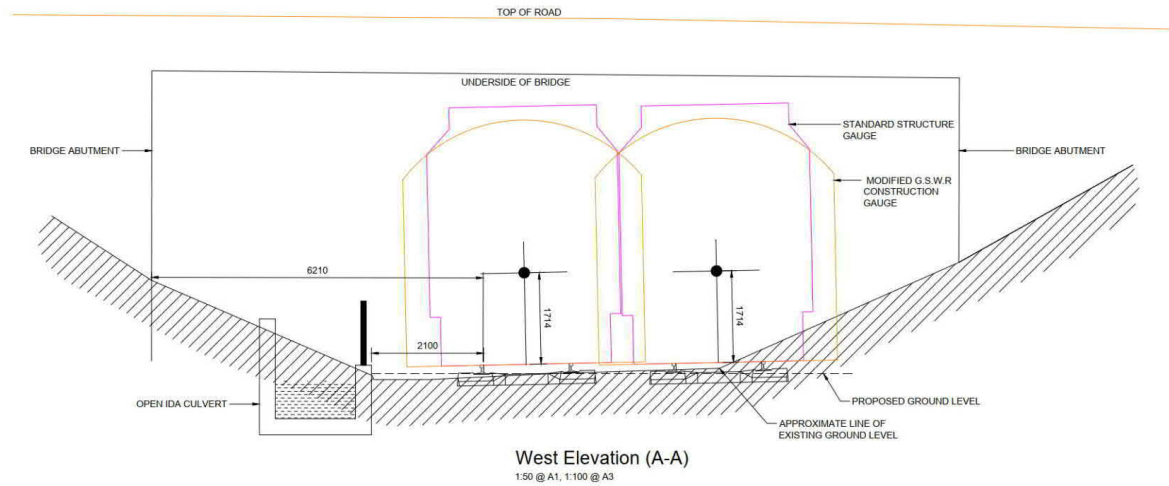
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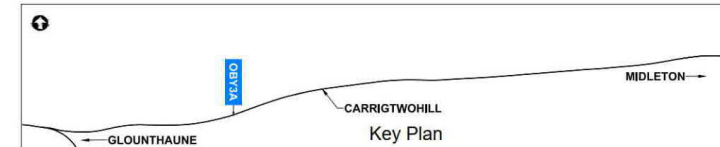
Plan
1:200 @ A1, 1:400 @ A3



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



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

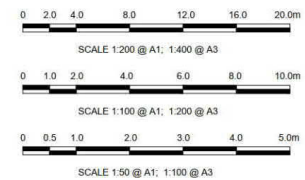


Key Plan

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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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Date	22/09/22	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 OBY3A
CH2890 IDA OVERBRIDGE
PLAN, SECTION & DETAILS

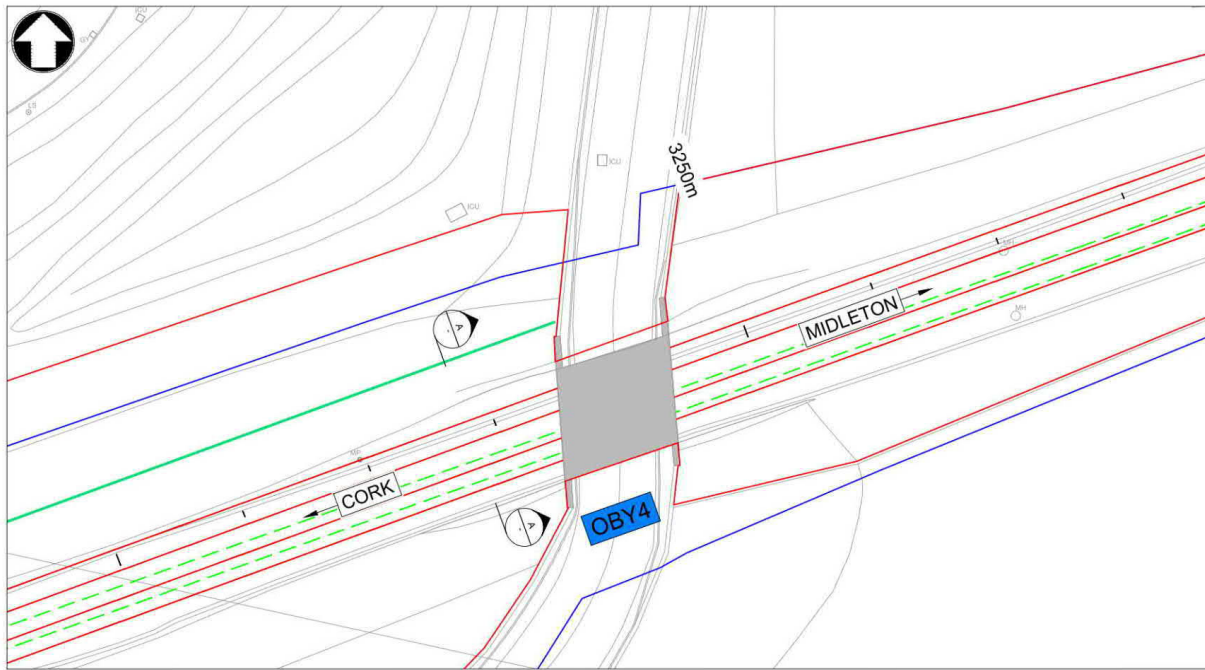
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03-XX-XX-XXX-DR-MMD-SE-0130

Coordination: N.SAMACHETTY
Approval: J.MCINERNEY

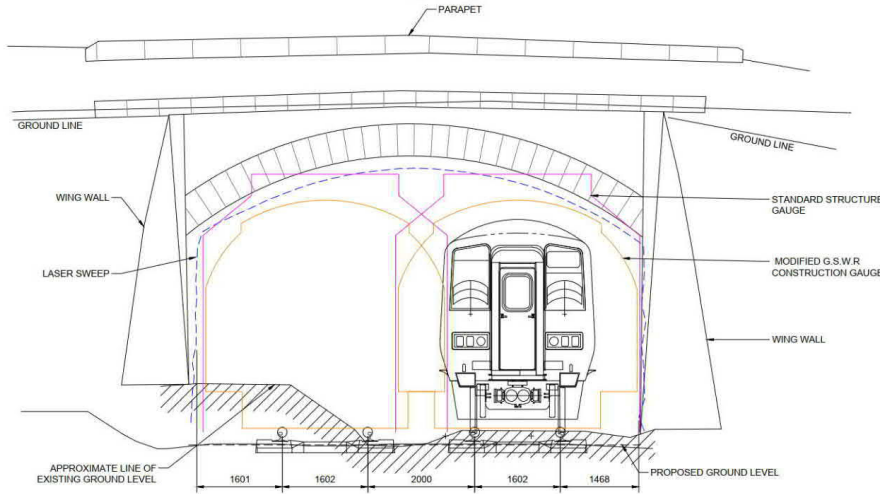
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@A3: AS SHOWN

Purpose: P1
Rev: P02

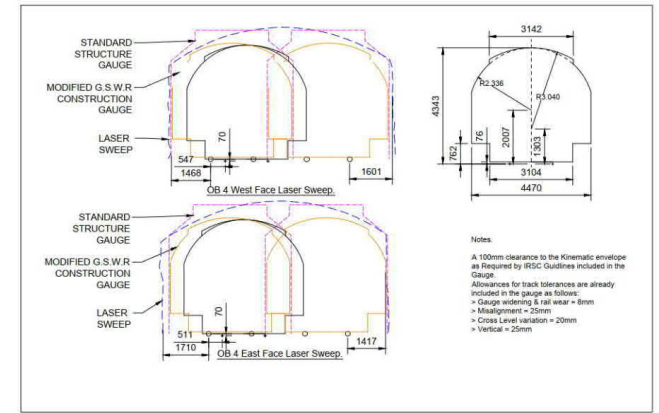
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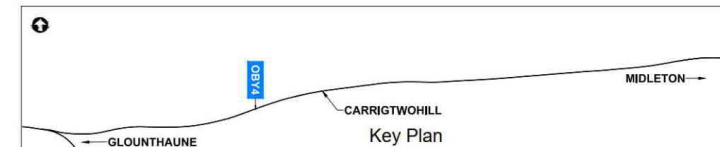
Plan
1:200 @ A1, 1:400 @ A3



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



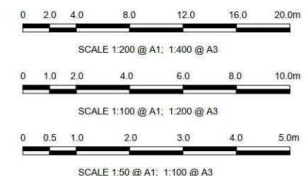
As Built Bridge Survey
1:100 @ A1, 1:200 @ A3



Key Plan

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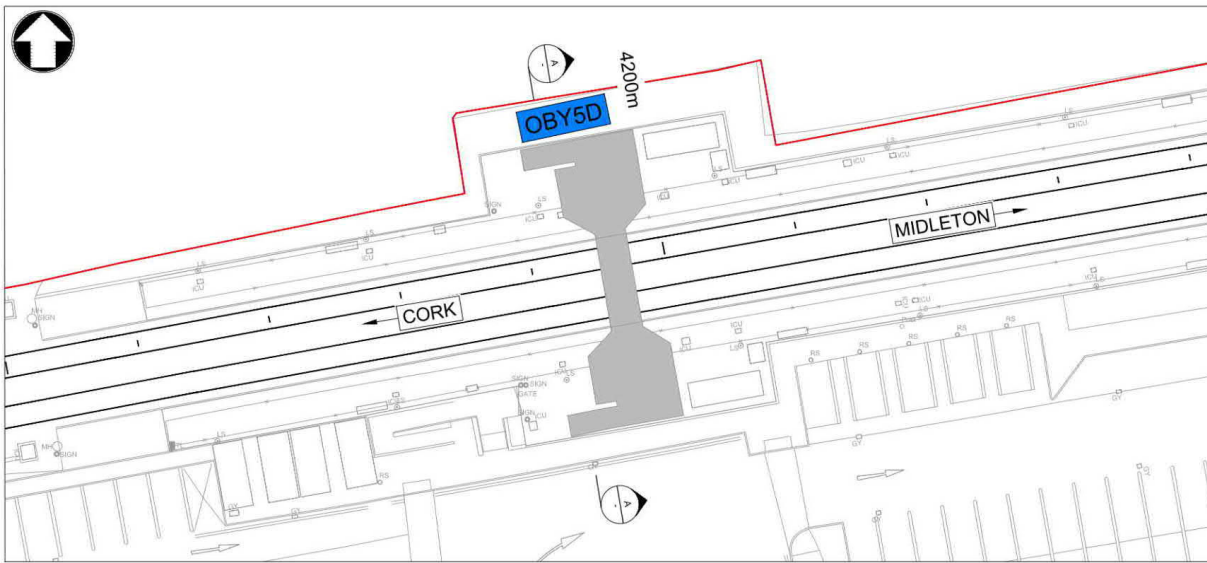
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Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD
		Dwg check	R. SEXTON	Eng check	N. SAMACHETTY

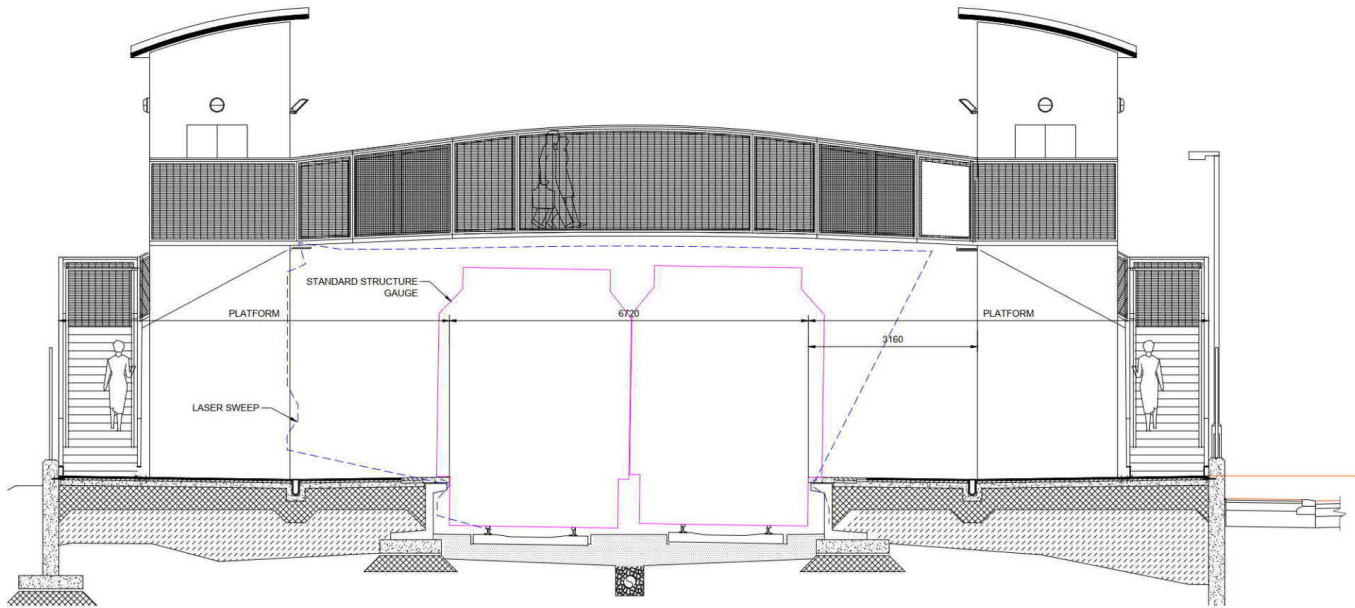
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GLOUNTHAUNE - MIDDLETON TWIN TRACK

Drawing Title: EXISTING OVERBRIDGE OBY4
CH3239 HERITAGE BRIDGE, WISE'S BRIDGE
PLAN, SECTION & DETAILS

Drawing File Name: C745-WP3	03-XX-XX-XXX-DR-MMD-SE-0140	5	Sheet of 26
Coordination: N.SAMACHETTY	Approval: J.MCINERNEY	Scale: @A1: AS SHOWN	Acceptance: S
Purpose: P1	Rev: P02		



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



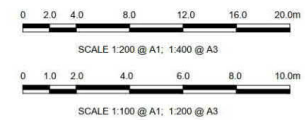
West Elevation (A-A)
1:100 @ A1, 1:200 @ A3



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	PROPOSED GABION WALL
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	PROPOSED CULVERT / BRIDGE EXTENDED/WIDENED
	EXISTING STRUCTURE TO BE DEMOLISHED
	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
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	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
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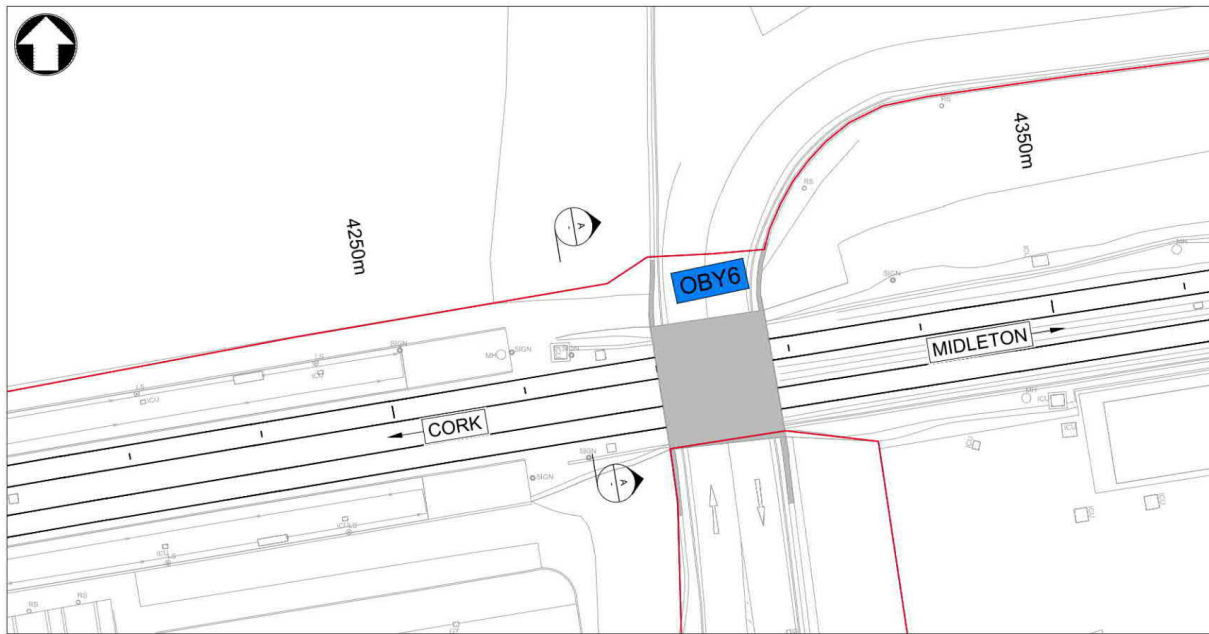
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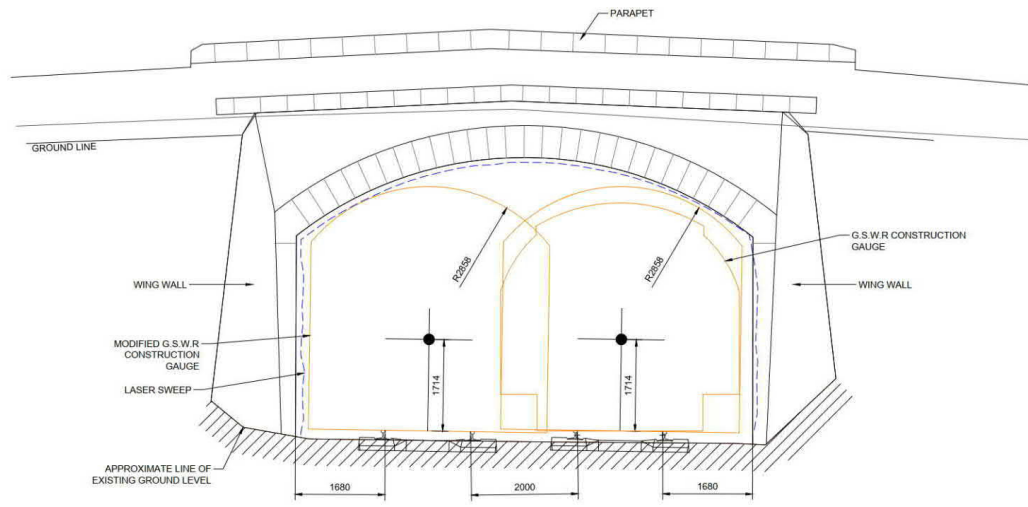
Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RS	DA	JM	Preliminary Design for Public Consultation
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN

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 OBY5D CH4200 FOOTBRIDGE CARRIGTWOHILL STATION PLAN, SECTION & DETAILS	
Drawing File Name	C745-WP3	03-XX-XX-XXX-DR-MMD-SE-0150	6 Sheet of 26
Coordination	N.SAMACHETTY	Approval	J.MCINERNEY
Scale @A1: AS SHOWN	Scale @A3: AS SHOWN	Purpose	P1
Rev	P02	Acceptance	S



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



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

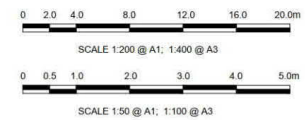


Key Plan

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	EXISTING OVERBRIDGE
	EXISTING OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
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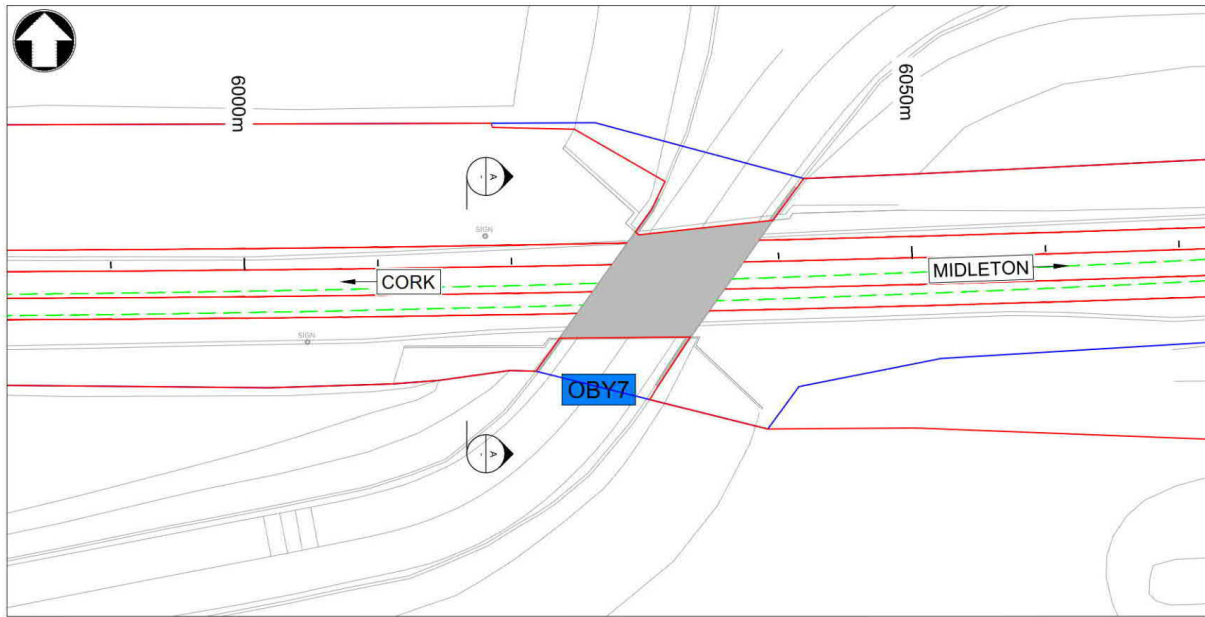
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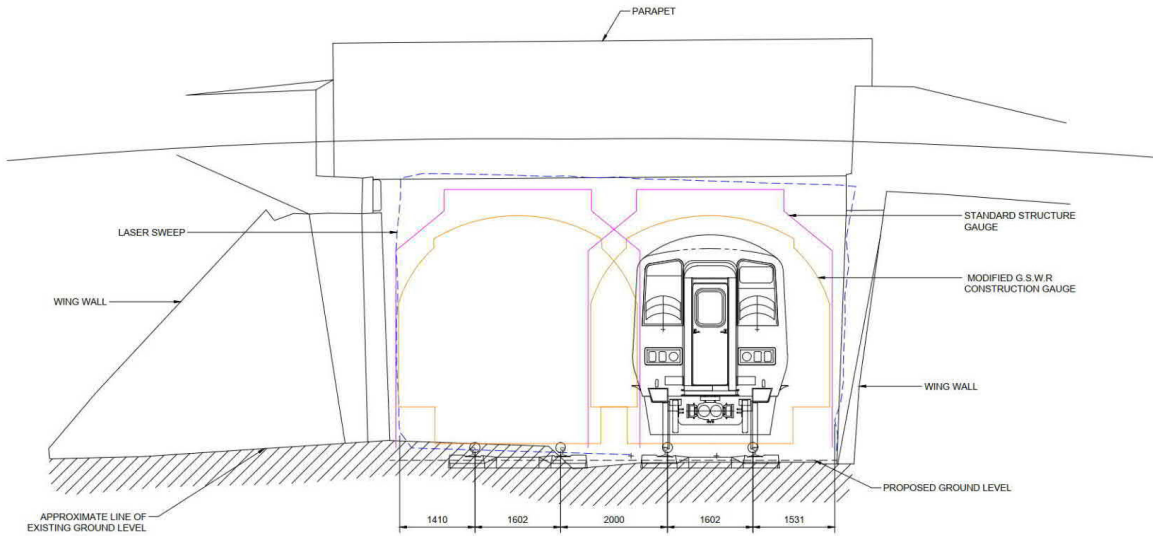
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Rev	Date	Drawn	Eng Check	Appr	Description				
P01	10/06/22	RS	DA	JM	Preliminary Design for Public Consultation				
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN				
Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD	Dwg check	R. SEXTON	Eng check	N. SAMACHETTY

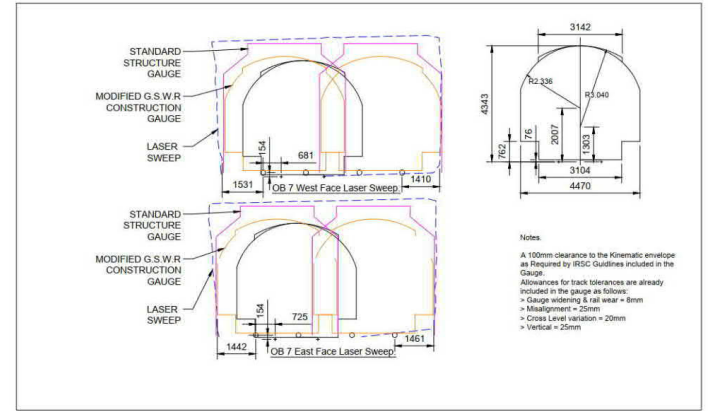
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Drawing Title		EXISTING OVERBRIDGE OBY6 CH4274 - BARRY'S BRIDGE PLAN, SECTION & DETAILS	
Drawing File Name	C745-WP3	03-XX-XX-XXX-DR-MMD-SE-0160	07 of 26
Coordinates	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1: AS SHOWN	Scale @A3: AS SHOWN	Acceptance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



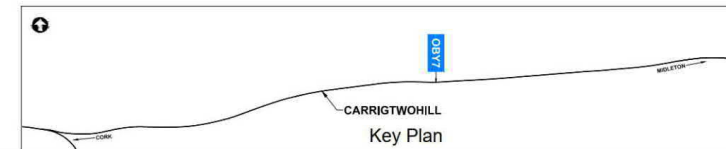
Plan
1:200 @ A1, 1:400 @ A3



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



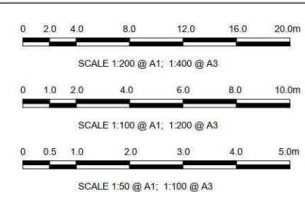
As Built Bridge Survey
1:100 @ A1, 1:200 @ A3



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

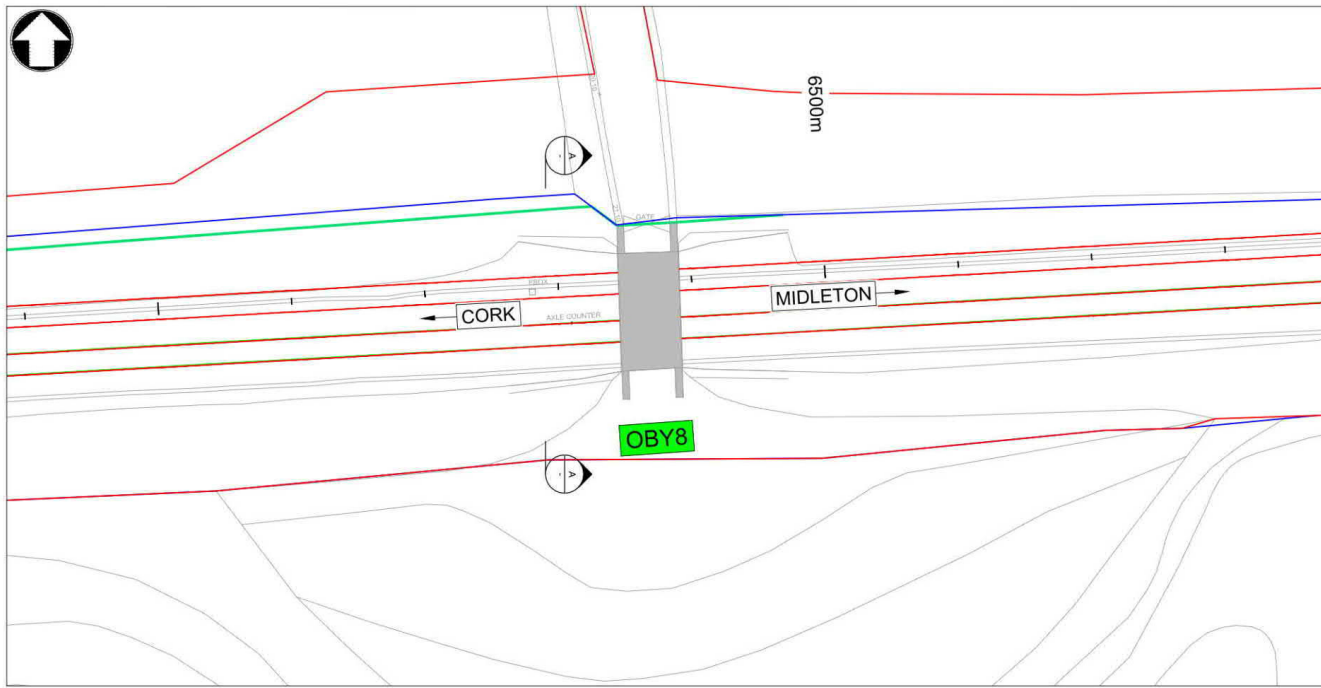
Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: EXISTING OVERBRIDGE OBY7
CH6031 BALLYADAM BRIDGE
PLAN, SECTION & DETAILS

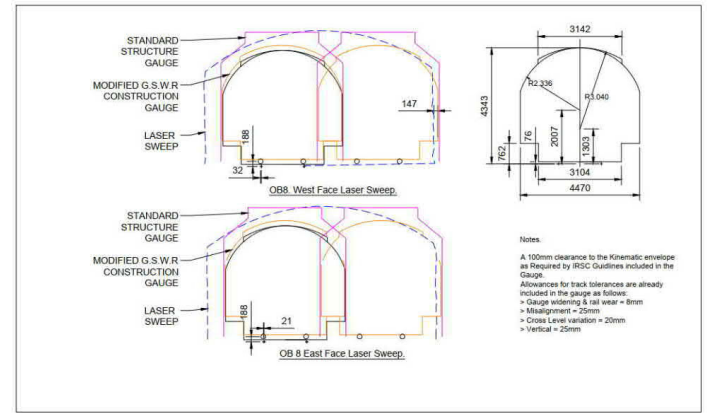
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03-XX-XX-XXX-DR-MMD-SE-0170

Coordination	Approval	Scale: @A1: AS SHOWN	Acceptance	Purpose	Rev
N.SAMACHETTY	J.MCINERNEY	Scale @A3: AS SHOWN	S	P1	P02

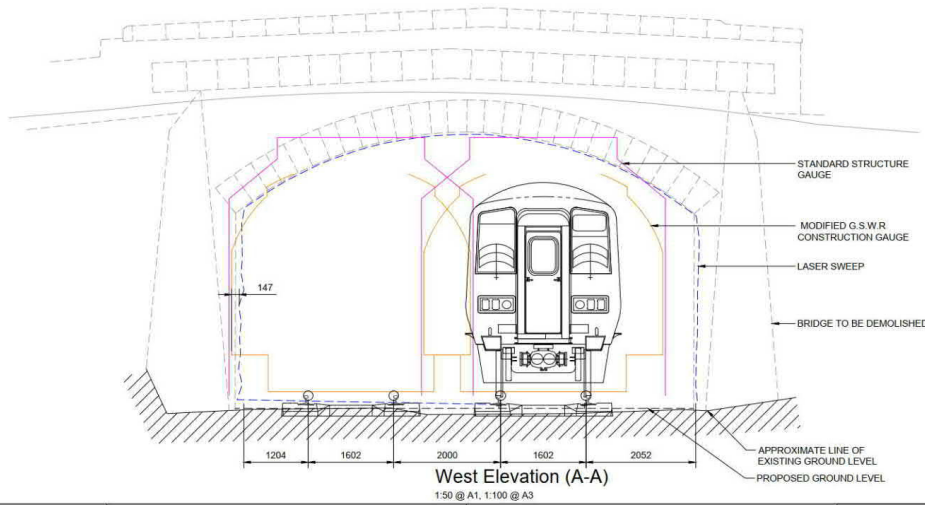
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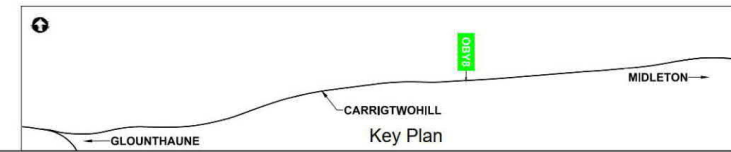
Plan
1:200 @ A1, 1:400 @ A3



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



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

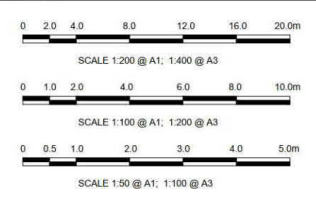


Key Plan

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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
	CIELAND OWNERSHIP



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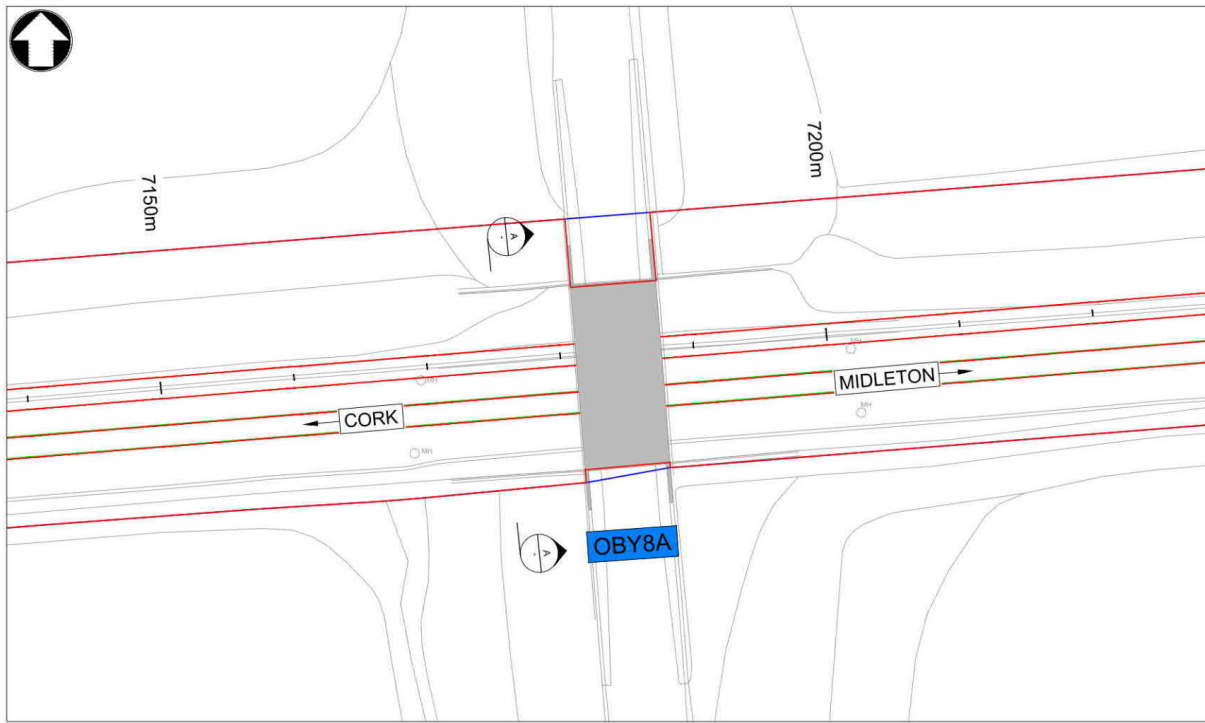
Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: EXISTING OVERBRIDGE OBY8
PROPOSED TO BE DEMOLISHED
CH6487 BALLYADAM HOUSE BRIDGE
PLAN, SECTION & DETAILS

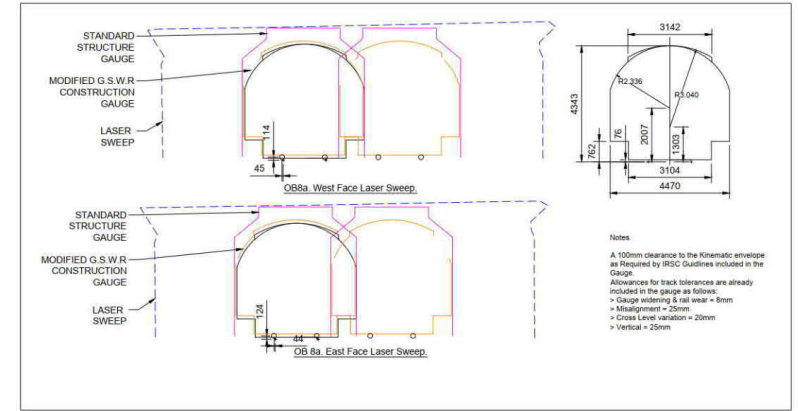
Drawing File Name: C745-WP3
Coordination: N.SAMACHETTY
Approval: J.MCINERNEY

Scale @A1: AS SHOWN
Scale @A3: AS SHOWN

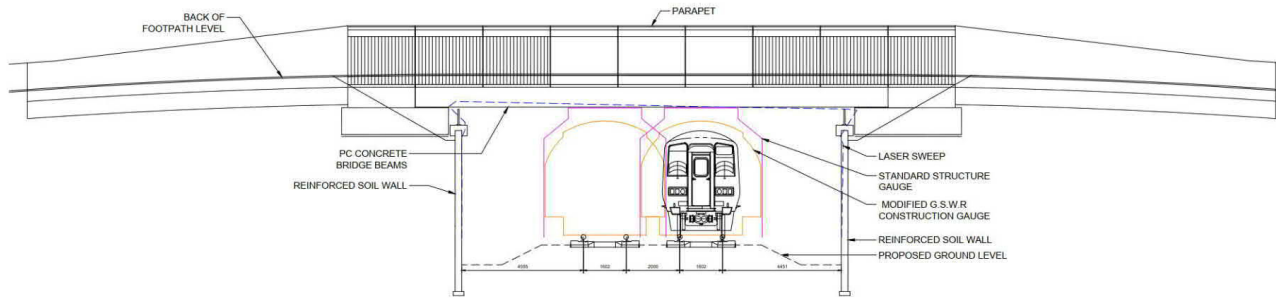
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Purpose: P1
Rev: P02



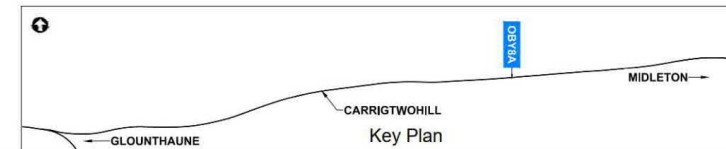
Plan
1:200 @ A1, 1:400 @ A3



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



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

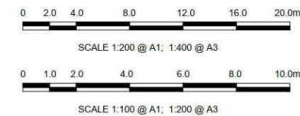


Key Plan

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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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22/09/22	R. SEXTON	R. SEWARD	N. SAMACHETTY	J. MCINERNEY

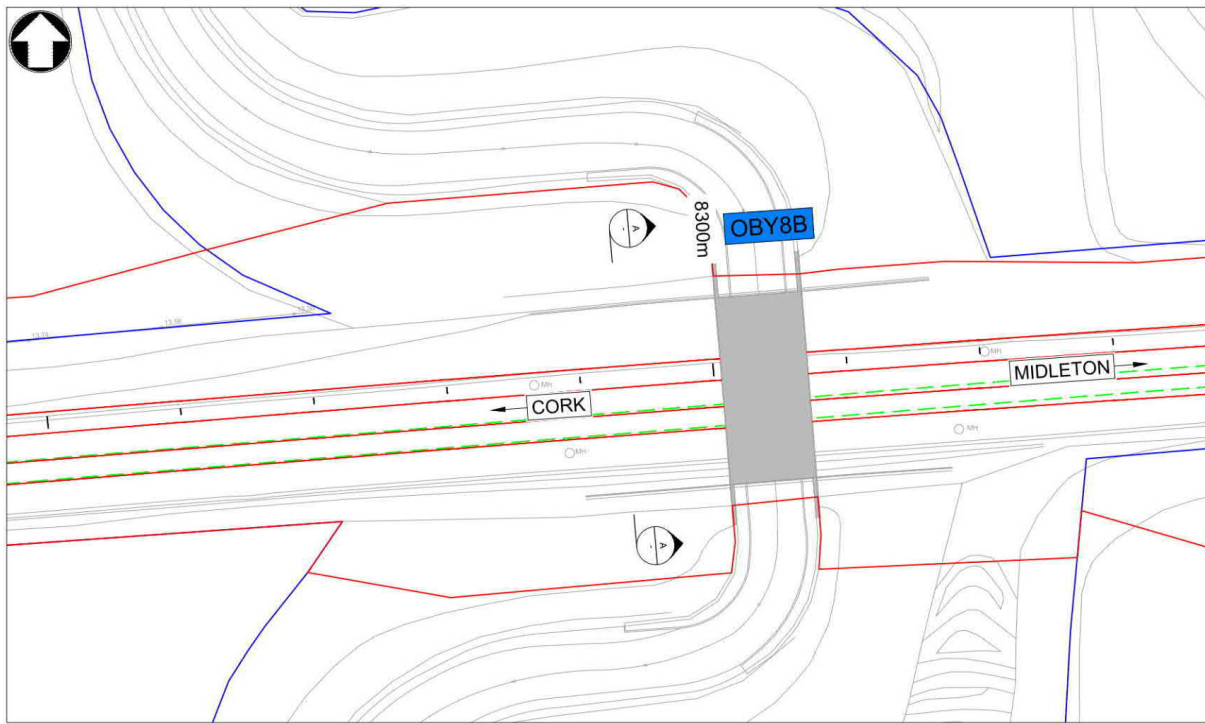
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GLOUNTHAUNE - MIDDLETON TWIN TRACK

Drawing Title: EXISTING OVERBRIDGE OBY8A
CH7134 BALLYADAM
PLAN, SECTION & DETAILS

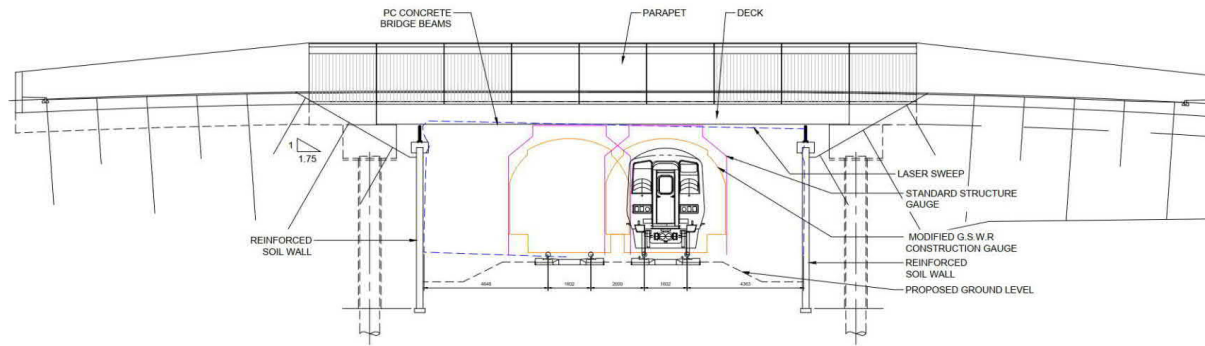
Drawing File Name: C745-WP3
Coordination: N.SAMACHETTY
Approval: J.MCINERNEY

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Scale @A3: AS SHOWN

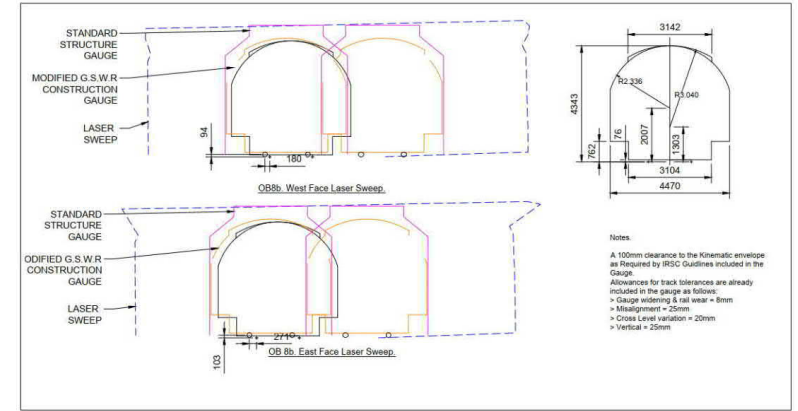
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Purpose: P1
Rev: P02



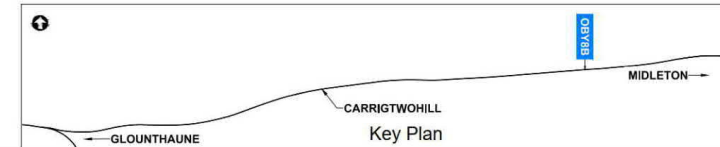
Plan
1:200 @ A1, 1:400 @ A3



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



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

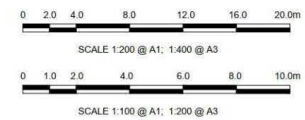


Key Plan

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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 SLUICED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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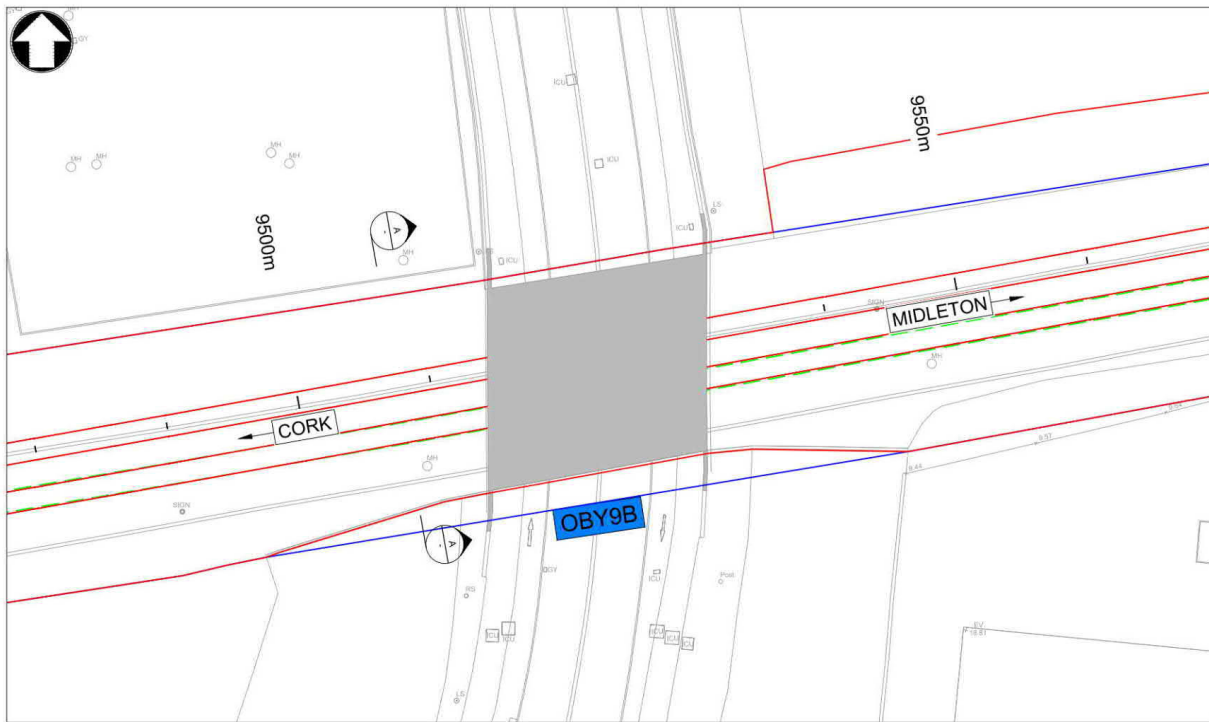
Rev	Date	Drawn	Eng	Check	Appr	Description
P01	10/06/22	RS	DA	JM		Preliminary Design for Public Consultation
P02	22/09/22	RS	NS	JM		PHASE 3: PRELIMINARY DESIGN

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

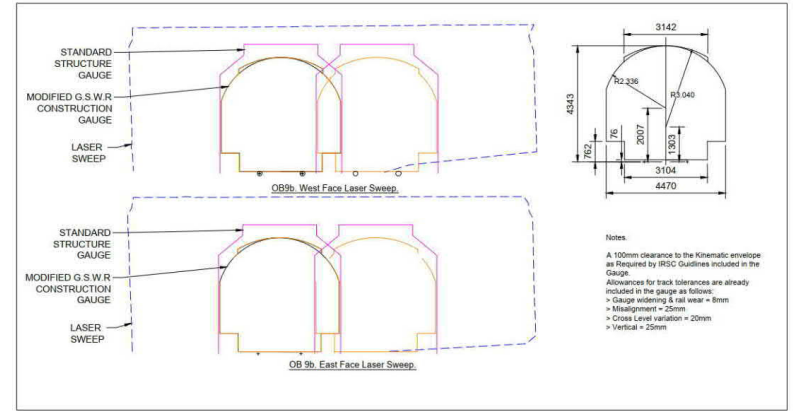
Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

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

Drawing File Name: C745-WP3	03-XX-XX-XXX-DR-MMD-SE-0200	11	Sheet of 26
Coordination: N.SAMACHETTY	Approved: J.MCINERNEY	Scale @A1: AS SHOWN	Acceptance: S
Purpose: P1	Rev: P02		

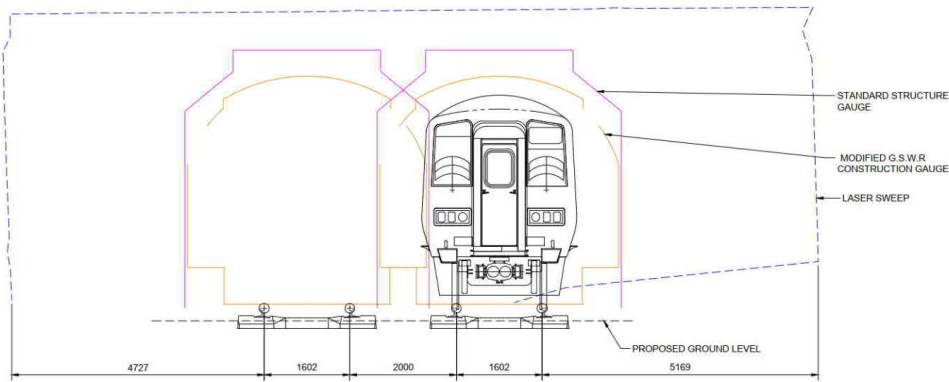


Plan
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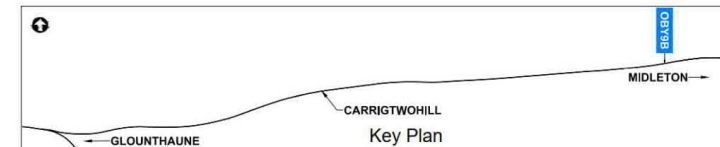


As Built Bridge Survey
1:100 @ A1, 1:200 @ A3

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 level = 8mm
-> Misalignment = 25mm
-> Cross Level variation = 20mm
-> Vertical = 25mm



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

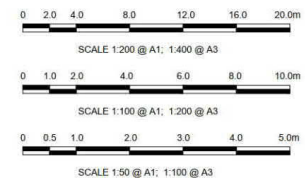


Key Plan

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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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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 OVERBRIDGE OBY9B
CH9523 NORTHERN RELIEF ROAD
PLAN, SECTION & DETAILS

Drawing File Name: C745-WP3
03-XX-XX-XXX-DR-MMD-SE-0210

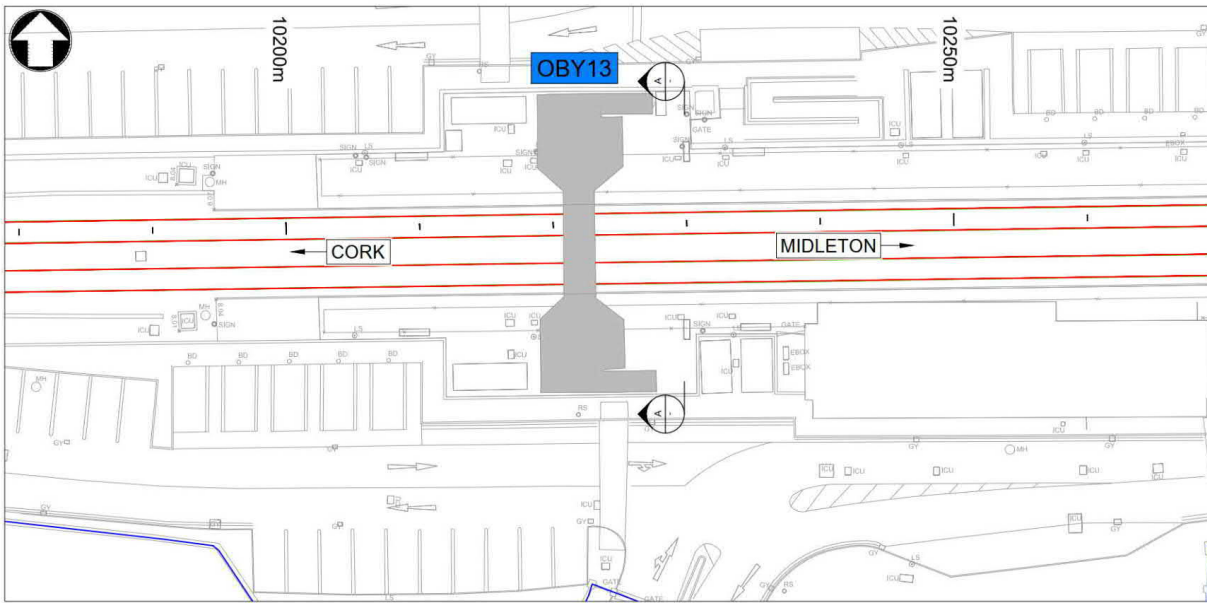
Coordination: N.SAMACHETTY
Approval: J.MCINERNEY

Scale @A1: AS SHOWN
Scale @A3: AS SHOWN

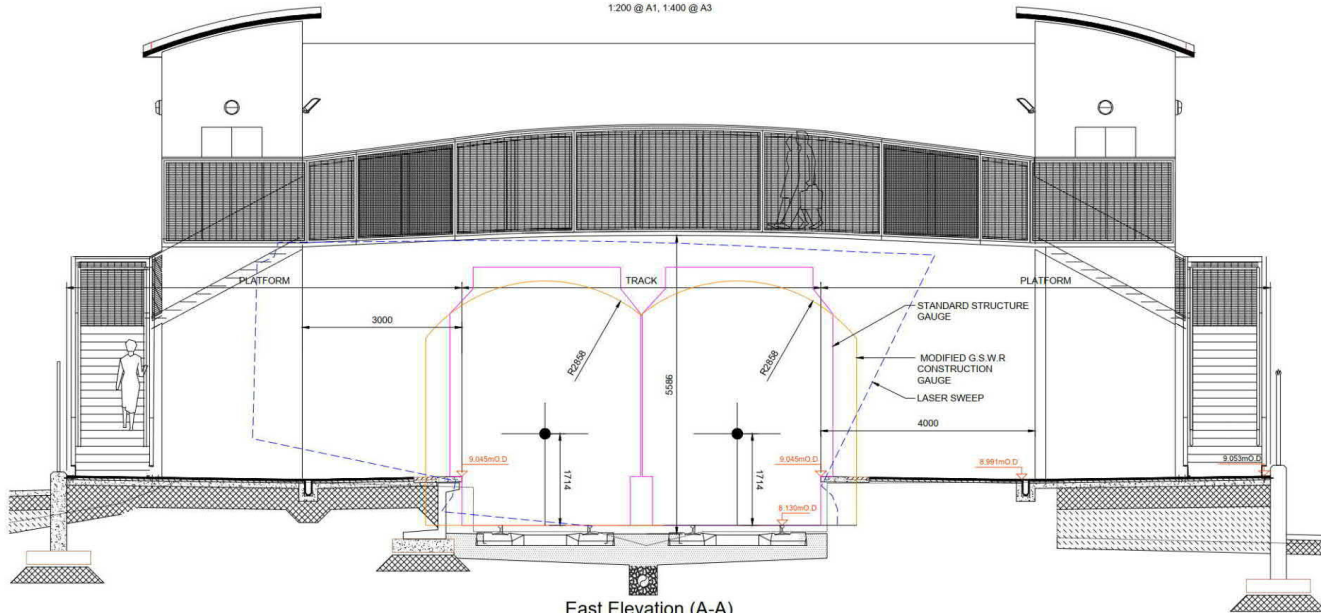
Acceptance: S

Purpose: P1
Rev: P02

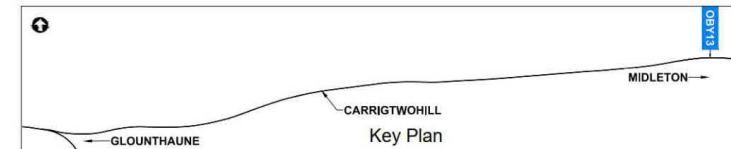
Sheet of 26



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



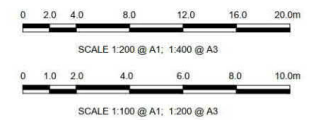
East Elevation (A-A)
1:100 @ A1, 1:200 @ A3



Key Plan

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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
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 - EXISTING SLUID OR MODIFIED TRACK
 - DEVELOPMENT BOUNDARY
 - CIELAND OWNERSHIP



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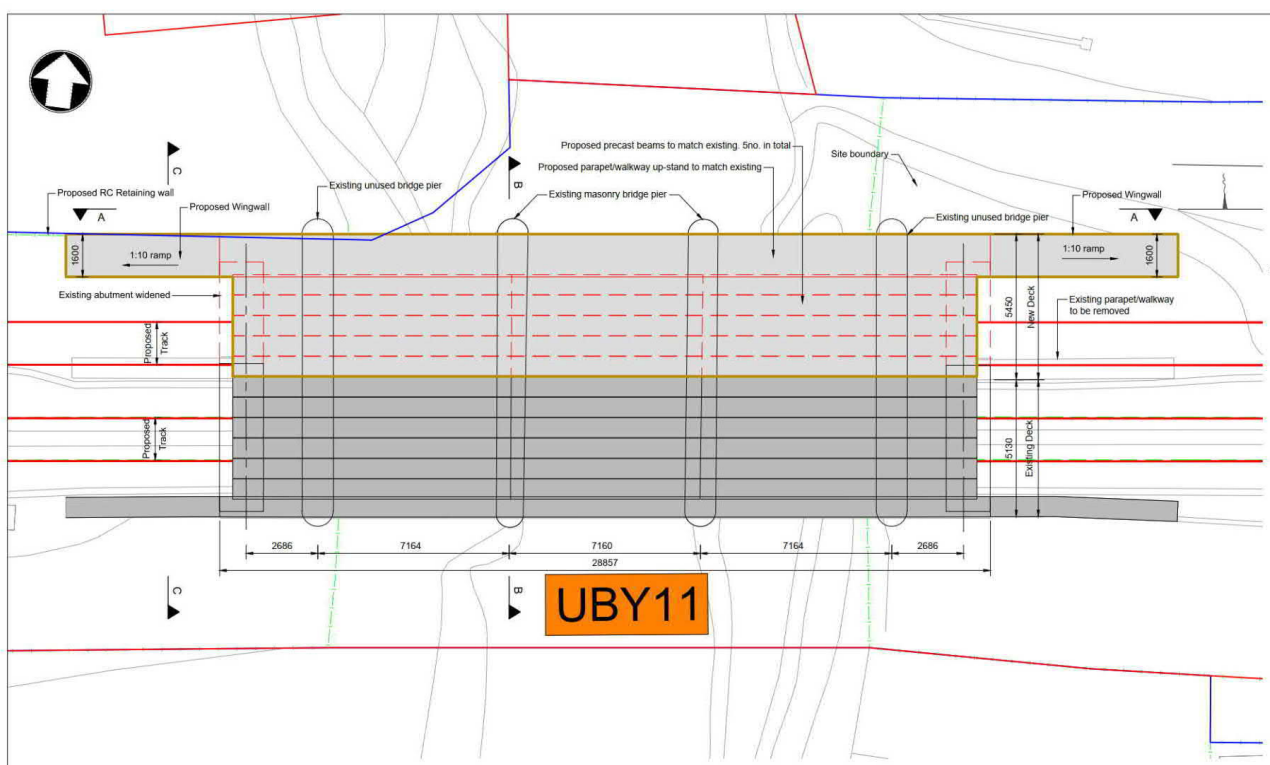
Project Title **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDDLETON TWIN TRACK**

Drawing Title **EXISTING OVERBRIDGE OBY13
CH10222 FOOTBRIDGE MIDDLETON STATION
PLAN, SECTION & DETAILS**

Drawing File Name **C745-WP3**

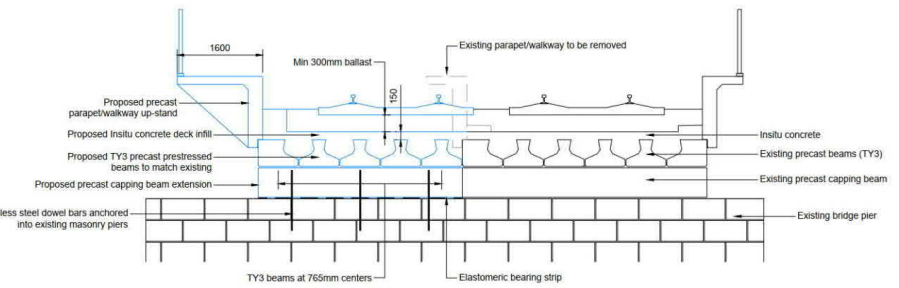
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N.SAMACHETTY	J.MCINERNEY	Scale @A3: AS SHOWN	S	P1	P02

13 of 26 Sheet

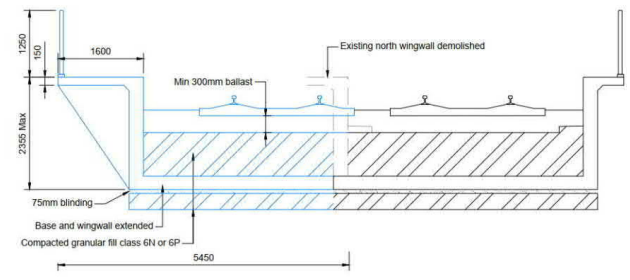


UBY11

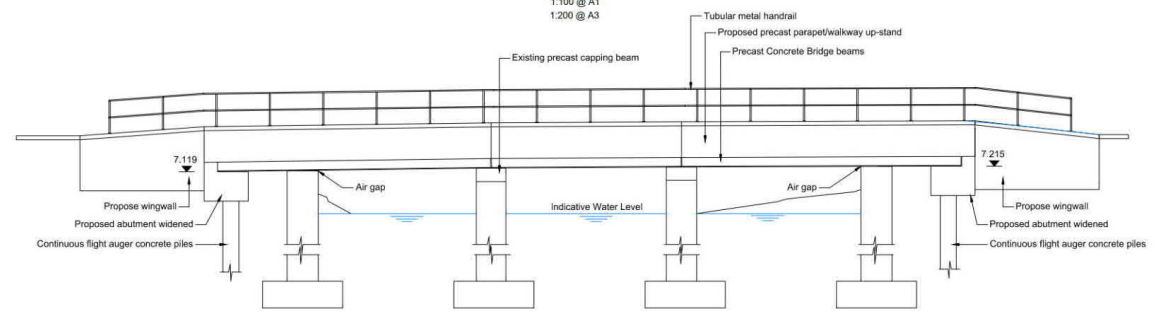
Plan
1:100 @ A1
1:200 @ A3



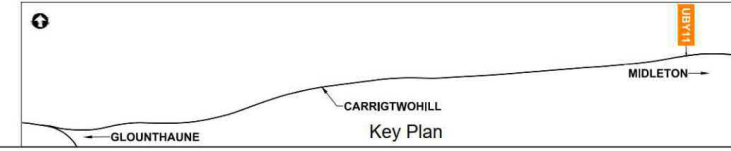
Section B
1:50 @ A1
1:100 @ A3



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



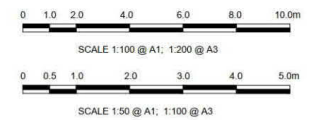
Section A
1:100 @ A1
1:200 @ A3



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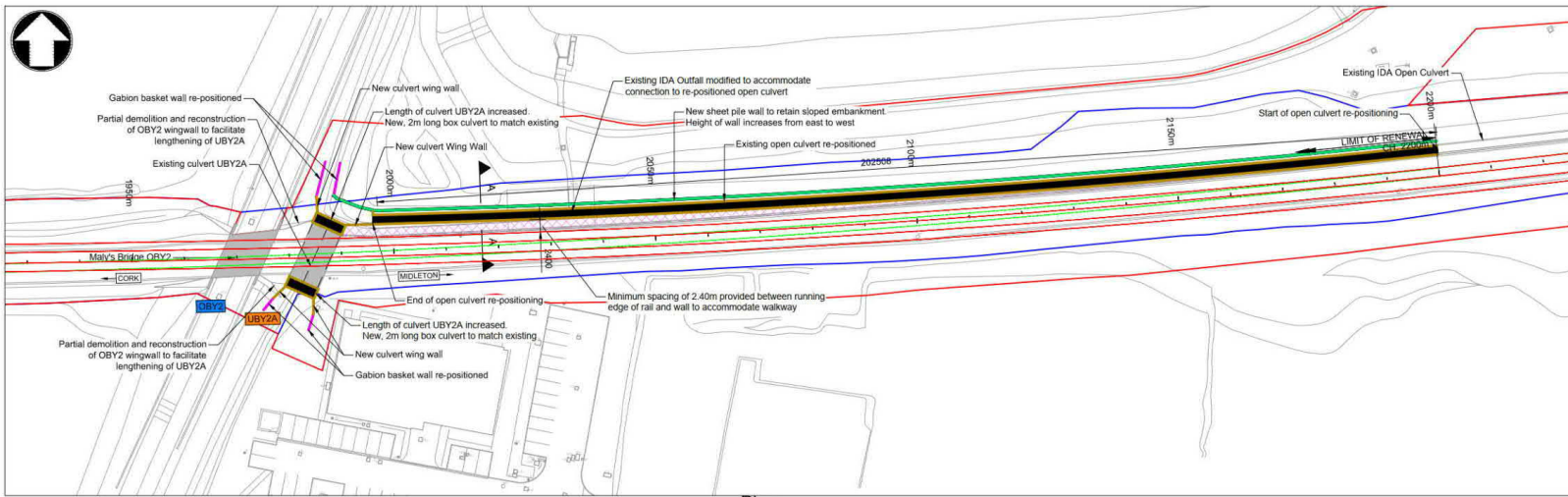
Rev	Date	Drawn	Eng. Check	Appr	Description
P01	10/06/22	RO	RS	JM	Preliminary Design for Public Consultation
P02	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN

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

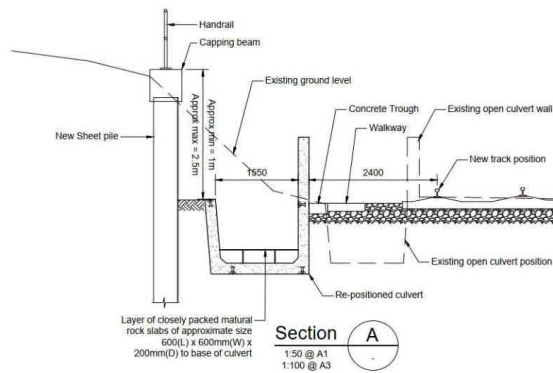
Project Title: **CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDDLETON TWIN TRACK**

Drawing Title: **EXISTING UNDERBRIDGE UBY11 CH9854 OWENACURRA RIVER BRIDGE PLAN, SECTION & DETAILS**

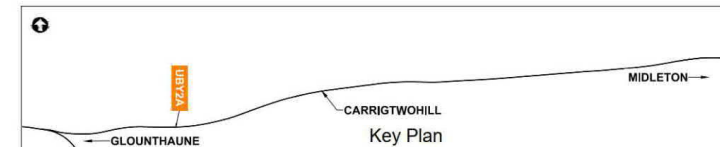
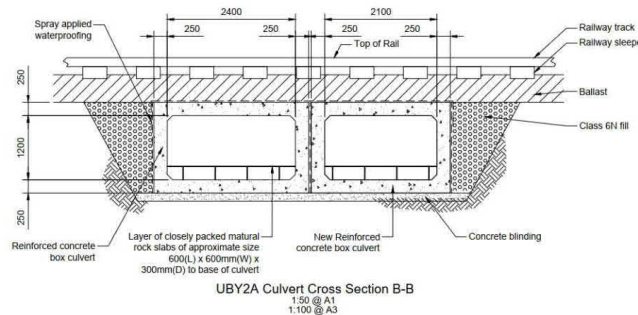
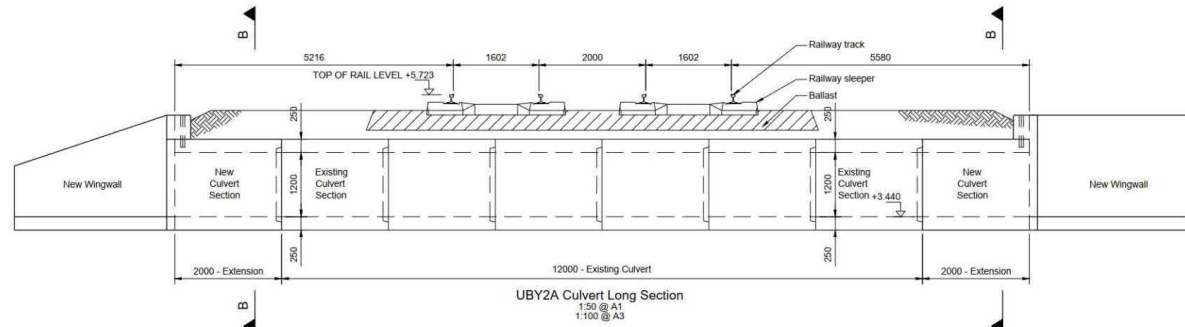
Drawing File Name: C745-WP3	03-XX-XX-XXX-DR-MMD-SE-0230	14	Sheet of 26
Coordination: N.SAMACHETTY	Approved: J.MCINERNEY	Scale @A1: 1:500	Acceptance: S
Scale @A3: AS SHOWN	Purpose: P1	Rev: P02	



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



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



IDA CULVERT RE-POSITIONING INDICATIVE CONSTRUCTION SEQUENCING:

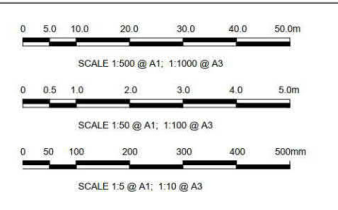
CONSTRUCTION SEQUENCING IS DEPENDANT ON RAIL POSSESSION TIME FRAME (I.E. NIGHT TIME POSSESSION V'S WEEKEND POSSESSION V'S WEEK POSSESSION). FOR THE PURPOSES OF THIS CONSTRUCTION SEQUENCING, WORST CASE OF NIGHT TIME POSSESSION IS ASSUMED.

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.

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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 SLOUED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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Rev	Date	Drawn	Eng	Check	Appr	Description
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

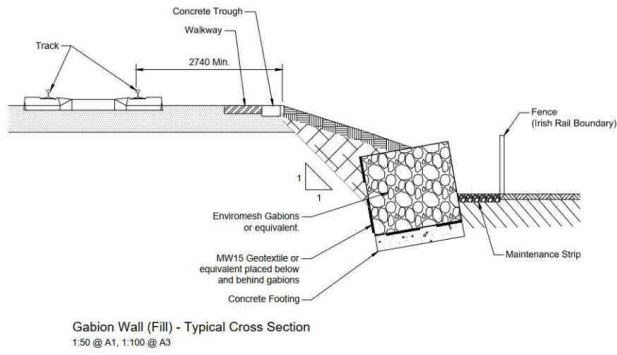
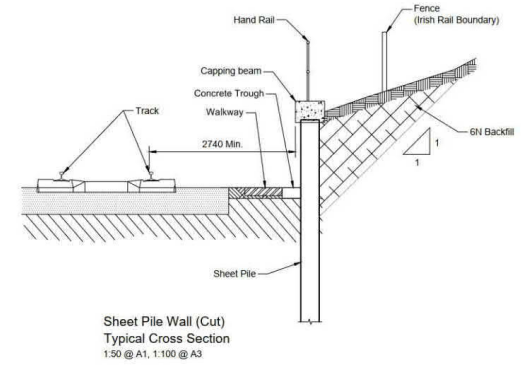
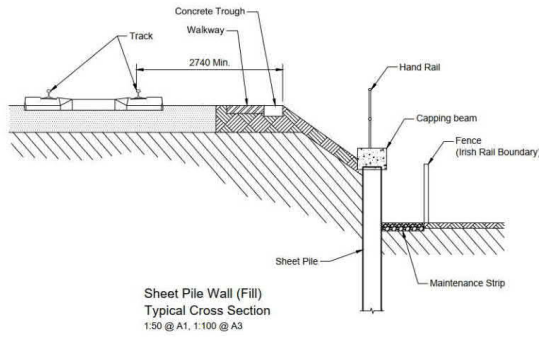
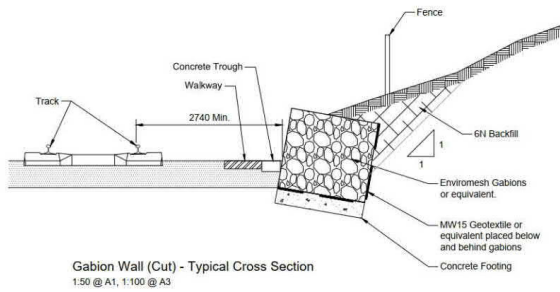
Date	Designed	Drawn	Dwg check	Eng check
22/09/22	R. SEXTON	R. SEWARD	R. SEXTON	N. SAMACHETTY

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: IDA OPEN CULVERT AND CULVERT UBLY2A
CH1997 TO CH2200
PLAN, SECTION & DETAILS

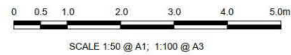
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C745-WP3	03-XX-XX-XXX-DR-MMD-SE-0240	J.MCINERNEY	Scale @A3: AS SHOWN	S	P1	P03

15 Sheet of 26



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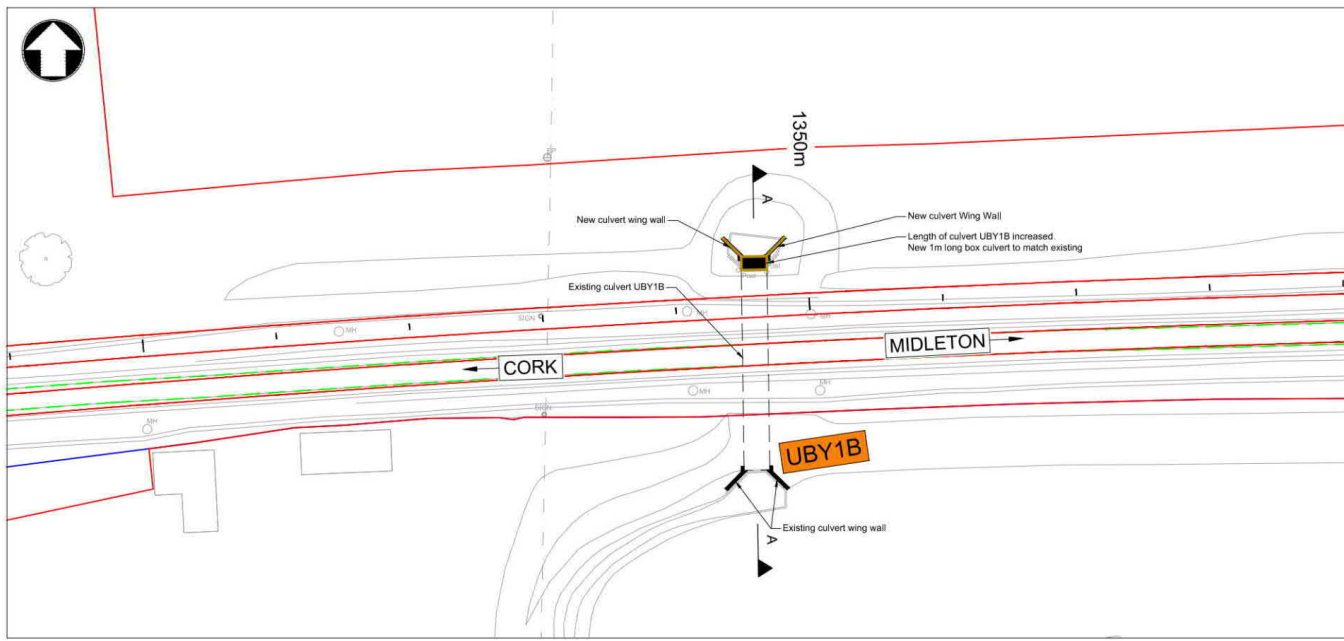
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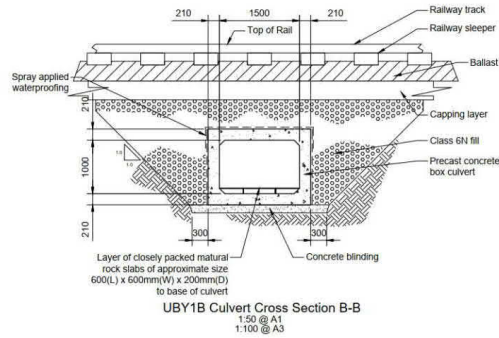
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Rev	Date	Designed	Drawn	Eng Check	Appr	Description			
P01	10/06/22	RS	RS	JM		Preliminary Design for Public Consultation			
P02	22/09/22	RS	NS	JM		PHASE 3: PRELIMINARY DESIGN			
Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD	Dwg check	R. SEXTON	Eng check	N. SAMACHETTY

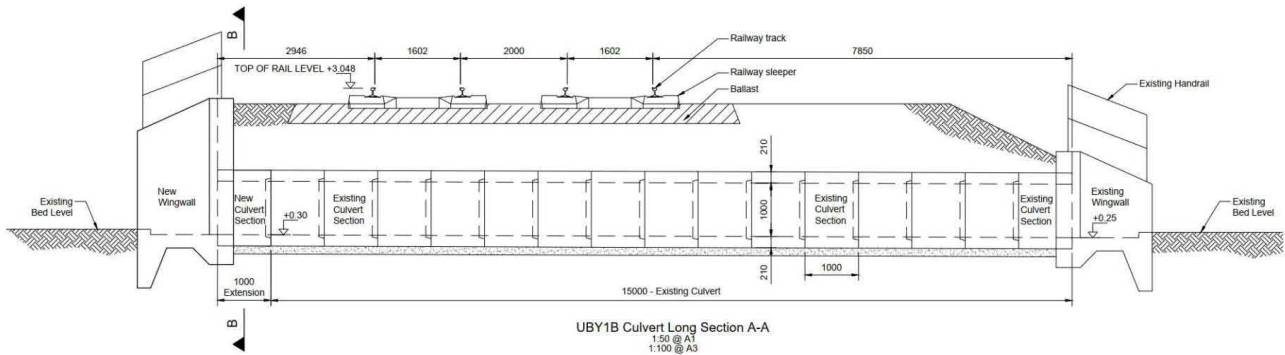
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Drawing Title		STRUCTURES TYPICAL DETAILS SHEET PILE AND GABION WALL	
Drawing File Name	C745-WP3	03-XX-XX-XXX-DR-MMD-SE-0250	16 Sheet of 26
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1:	AS SHOWN	Acceptance	S
Purpose	P1	Rev	P02



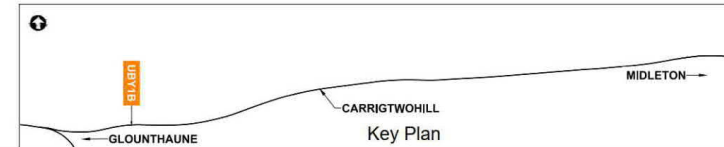
Plan
1:200 @ A1, 1:400 @ A3



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



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

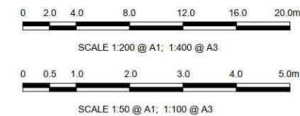


Key Plan

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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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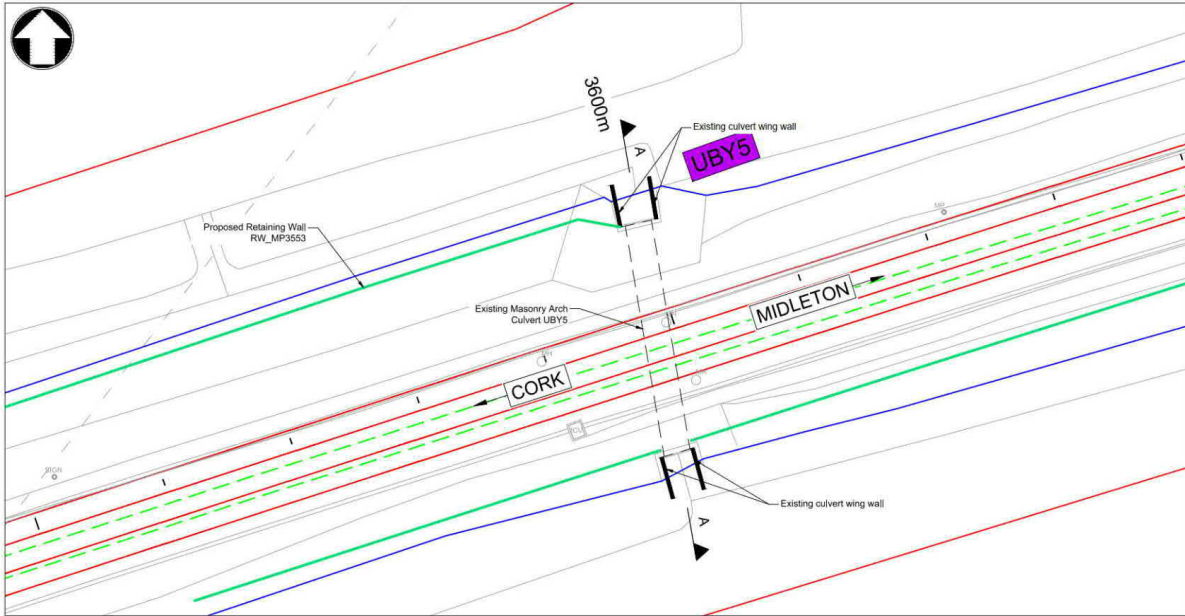


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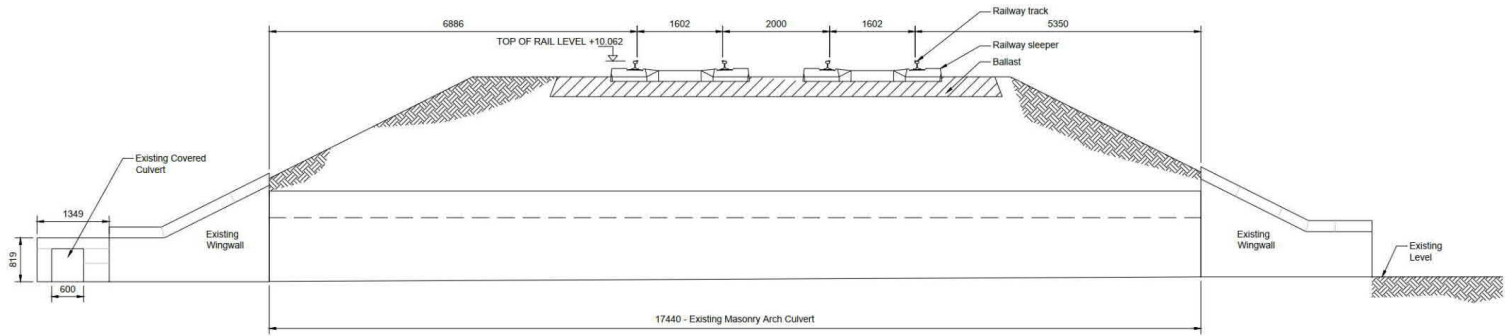
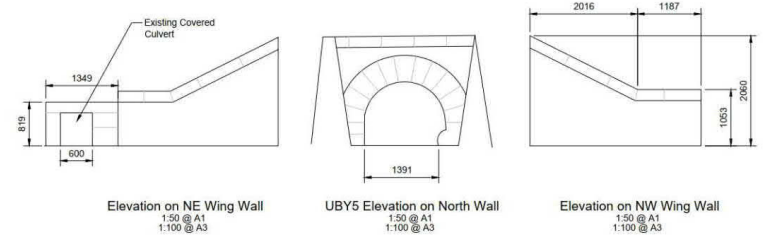
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Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDDLETON TWIN TRACK	
Drawing Title		EXISTING CULVERT UB1B CH1346 PLAN, SECTION & ELEVATION	
Drawing File Name		C745-WP3	
Coordination		N.SAMACHETTY	
Approval		J.MCINERNEY	
Scale @A1: AS SHOWN		Scale @A3: AS SHOWN	
Purpose		P1	
Rev		P02	
Date	Designed	Drawn	Dwg check
22/09/22	R. SEXTON	R. SEWARD	N. SAMACHETTY
			Eng check
			N. SAMACHETTY
			Appr
			J. MCINERNEY
			Eng check
			N. SAMACHETTY
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			J. MCINERNEY
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			Appr
			J. MCINERNEY

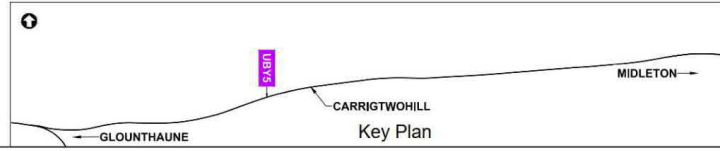
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Drawing Title	EXISTING CULVERT UB1B CH1346 PLAN, SECTION & ELEVATION
Drawing File Name	C745-WP3
Coordination	N.SAMACHETTY
Approval	J.MCINERNEY
Scale @A1: AS SHOWN	Scale @A3: AS SHOWN
Purpose	P1
Rev	P02
Sheet of 26	17



Plan
1:200 @ A1
1:400 @ A3



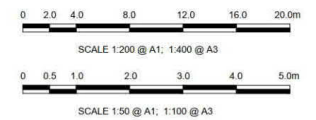
UB5 Culvert Long Section A-A
1:50 @ A1
1:100 @ A3



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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 SLUICED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP



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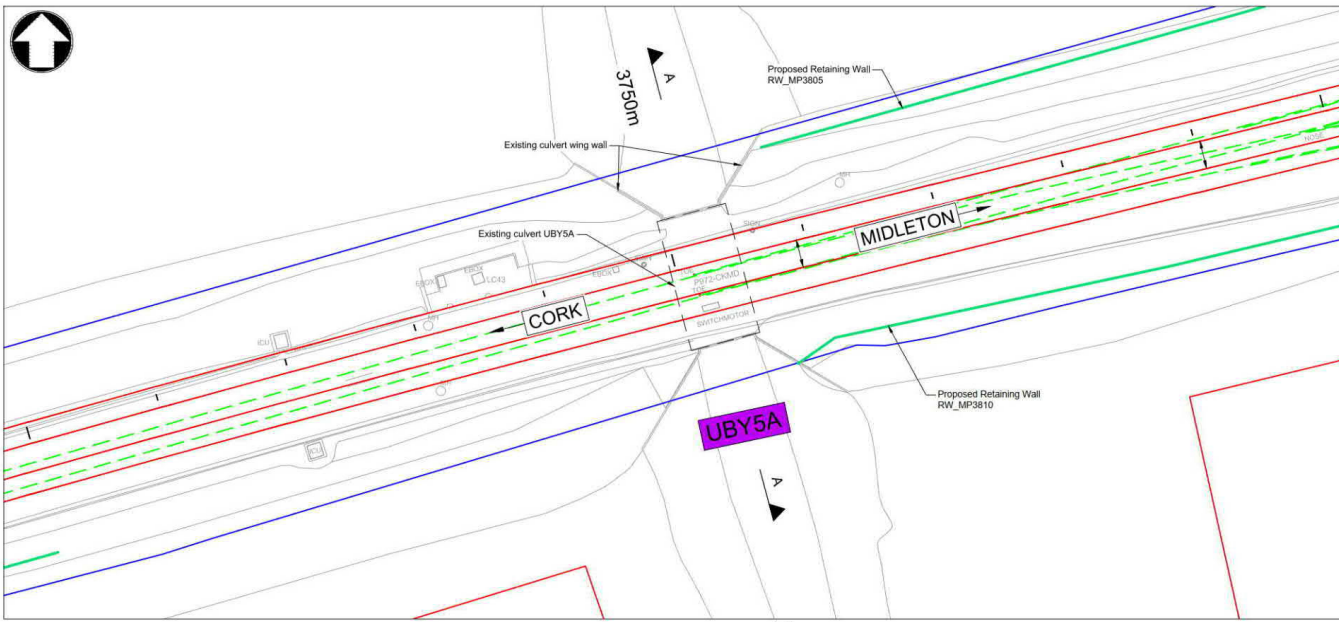
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Rev	Date	Drawn	Eng Check	Appr	Description				
P01	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN				
Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD	Dwg check	R. SEXTON	Eng check	N. SAMACHETTY

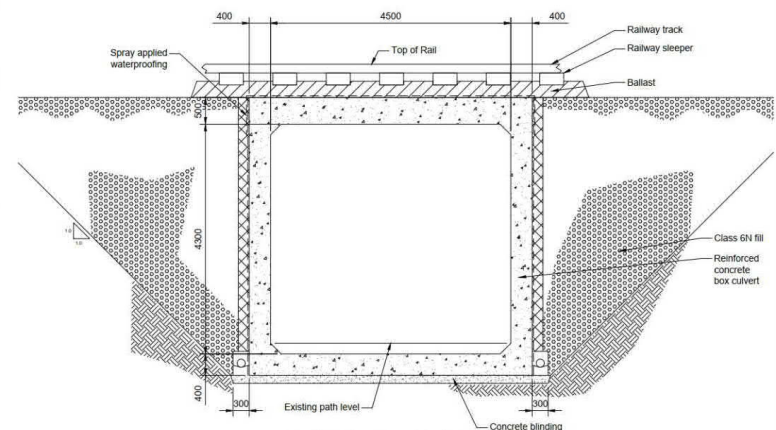
Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: EXISTING CULVERT UB5
CH3600
PLAN, SECTIONS AND ELEVATIONS

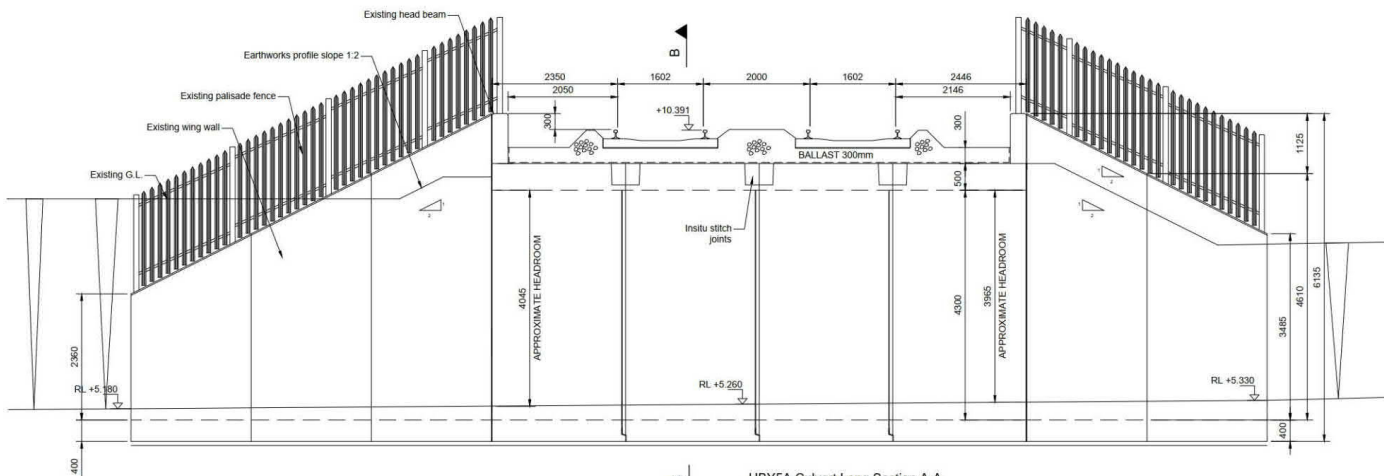
Drawing File Name: C745-WP3	Scale @A1: AS SHOWN	Scale @A3: AS SHOWN	19 of 26
Coordination: N.SAMACHETTY	Approval: J.MCINERNEY	Purpose: P1	Rev: P01



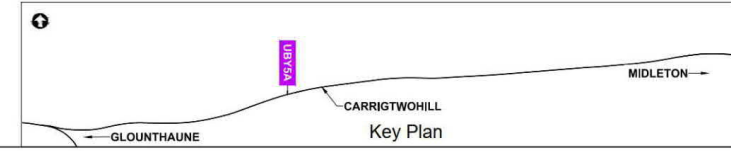
Plan
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1:400 @ A3



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



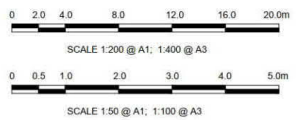
UB5A Culvert Long Section A-A
1:50 @ A1
1:100 @ A3



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LEGEND

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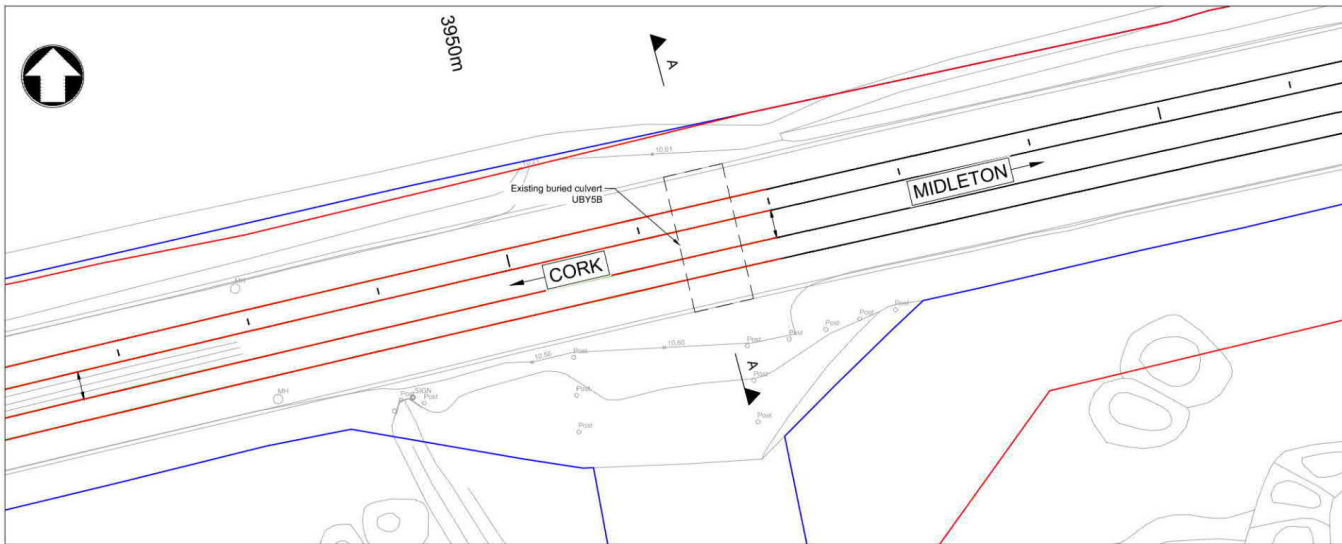
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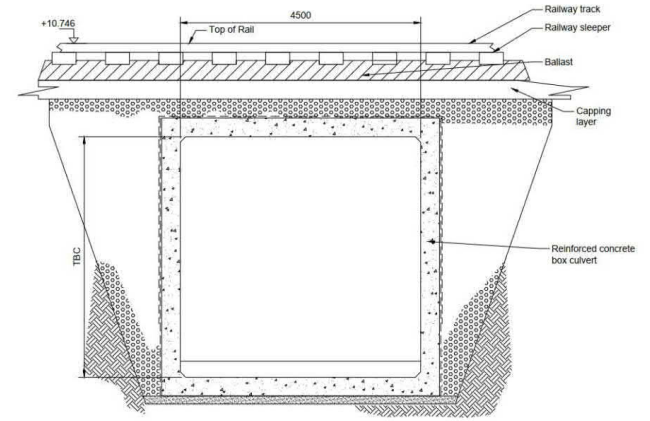
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Rev	Date	Drawn	Eng	Appr	Description
P01	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN
Date	Designed	Drawn	Dwg check	Eng check	
22/09/22	R. SEXTON	R. SEWARD	N. SAMACHETTY	J. MCINERNEY	

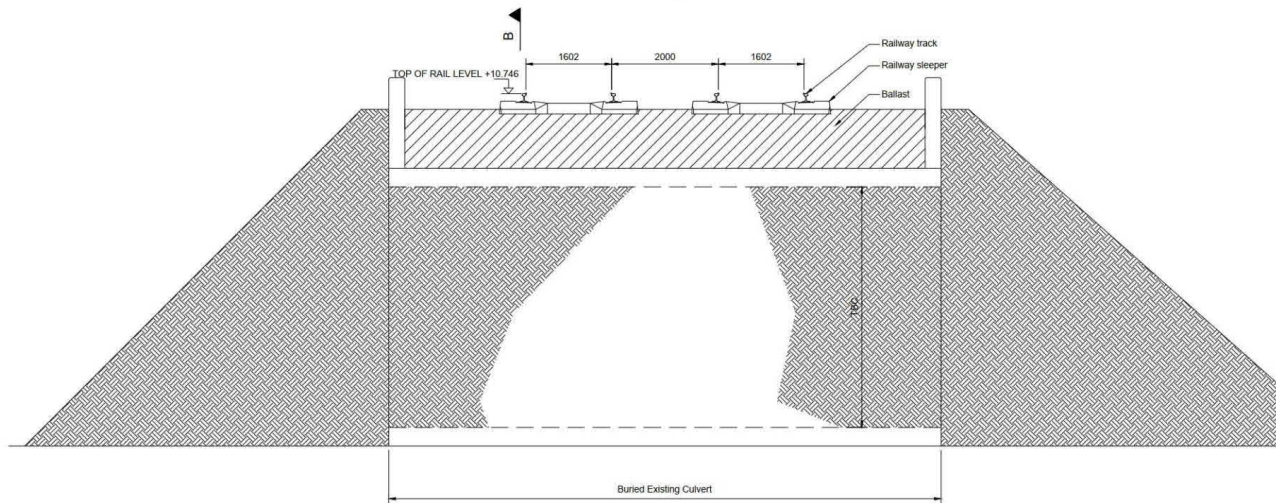
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Drawing Title	EXISTING CULVERT UB5A CH3750 PLAN, SECTION & ELEVATION	
Drawing File Name	C745-WP3	03-XX-XX-XXX-DR-MMD-SE-0290
Coordination	N.SAMACHETTY	J.MCINERNEY
Approval	N.SAMACHETTY	J.MCINERNEY
Scale @A1	AS SHOWN	AS SHOWN
Scale @A3	AS SHOWN	AS SHOWN
Purpose	P1	P01
Sheet	20	of 26



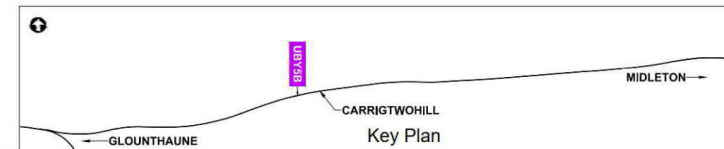
Plan
1:200 @ A1
1:400 @ A3



UB5B Culvert Cross Section B-B
1:50 @ A1
1:100 @ A3



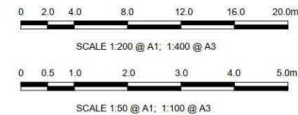
UB5B Culvert Long Section A-A
1:50 @ A1
1:100 @ A3



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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 SLUICED OR MODIFIED TRACK
- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP



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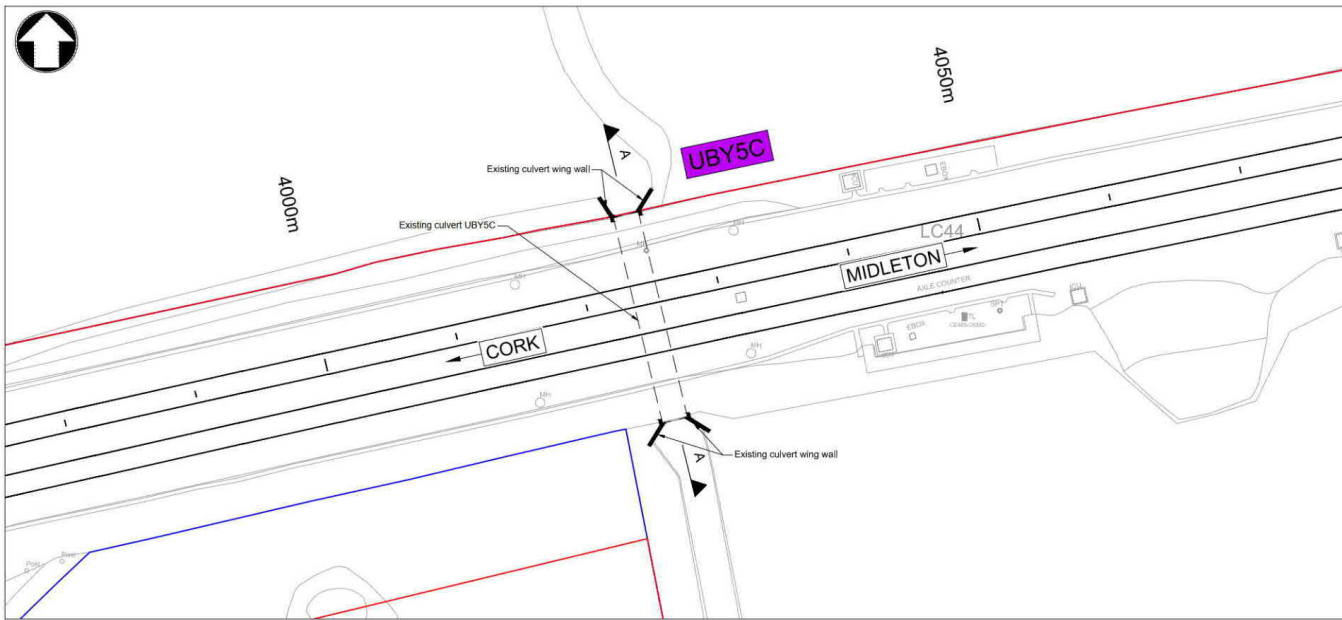


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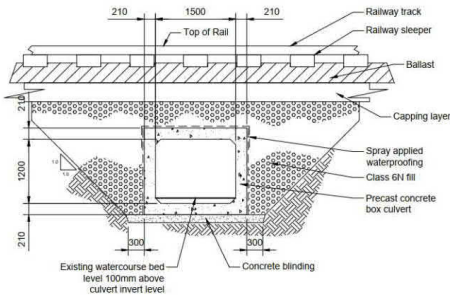
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Date	Designed	Drawn	Eng	Appr	
22/09/22	R. SEXTON	R. SEWARD	R. SEXTON	N. SAMACHETTY	

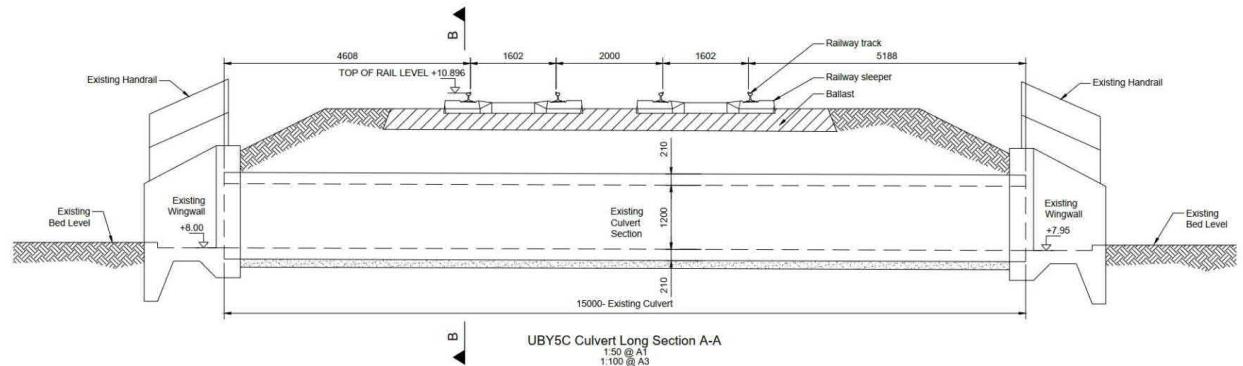
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Drawing Title	EXISTING CULVERT UB5B CH3965 PLAN, SECTION & ELEVATION	
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Coordinates	03-XX-XX-XXX-DR-MMD-SE-0300	Sheet of 26
Approved	J.MCINERNEY	Purpose
Scale @A1: AS SHOWN	Scale @A3: AS SHOWN	Rev
S	S	P01



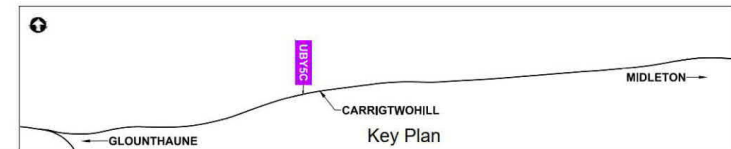
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1:400 @ A3



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



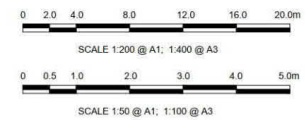
UB5C Culvert Long Section A-A
1:50 @ A1
1:100 @ A3



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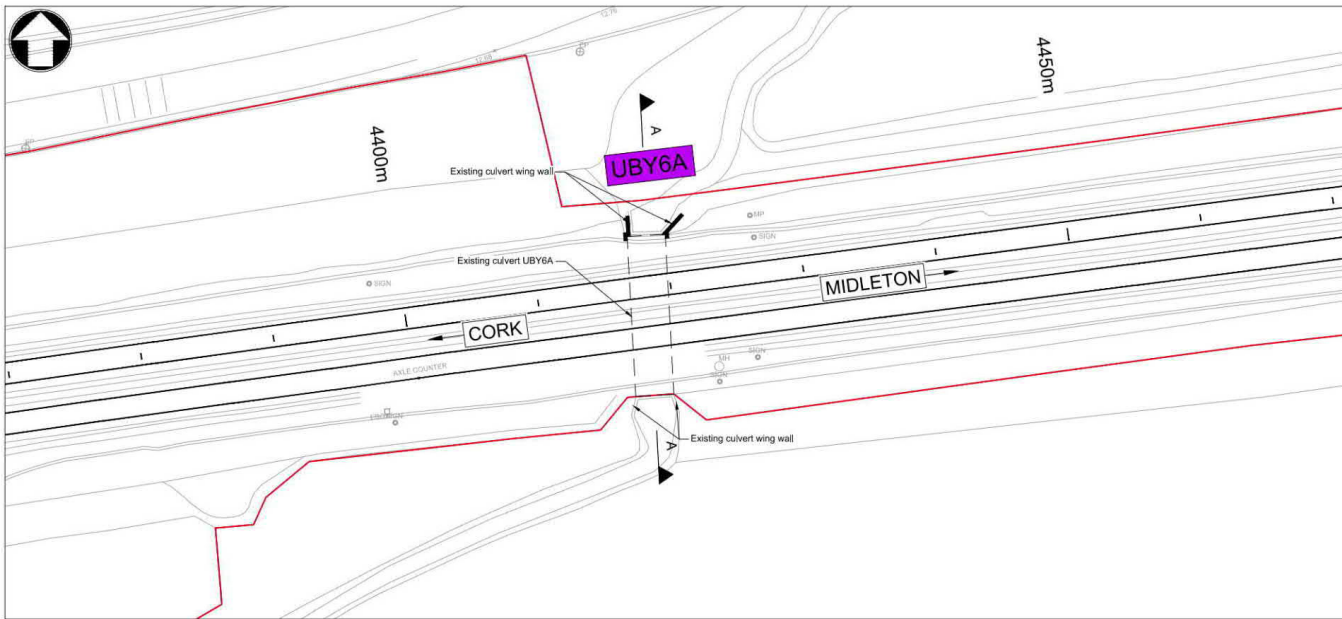
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Rev	Date	RS	NS	JM	Description
P01	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN
Date	Designed	Drawn	Eng	Check	Appr
22/09/22	R. SEXTON	R. SEWARD	R. SEXTON	N. SAMACHETTY	
Dwg check	Eng check	Appr			
R. SEWARD	N. SAMACHETTY				

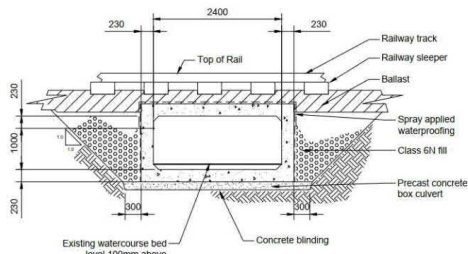
Project Title: **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK**

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

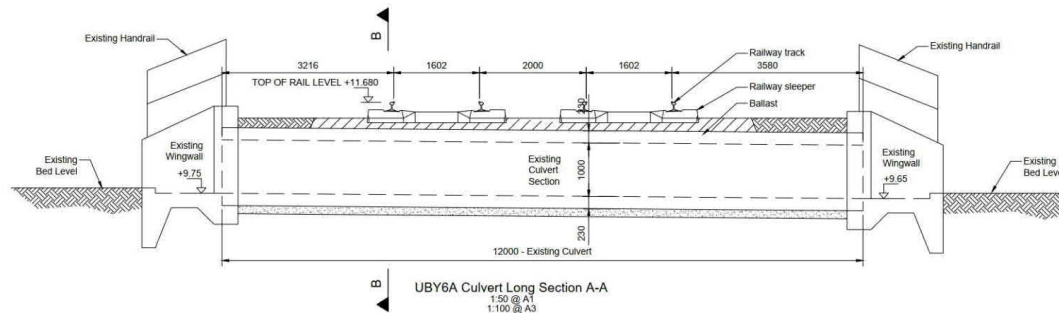
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Coordination: N.SAMACHETTY	Approval: J.MCINERNEY	Scale @A1: AS SHOWN	Acceptance: S
Purpose: P1	Rev: P01		



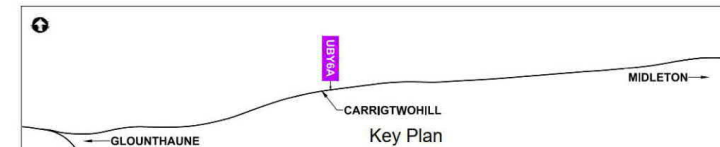
Plan
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UB6A Culvert Cross Section B-B
1:50 @ A1
1:100 @ A3



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

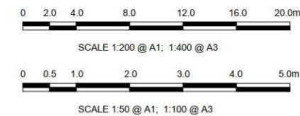


Key Plan

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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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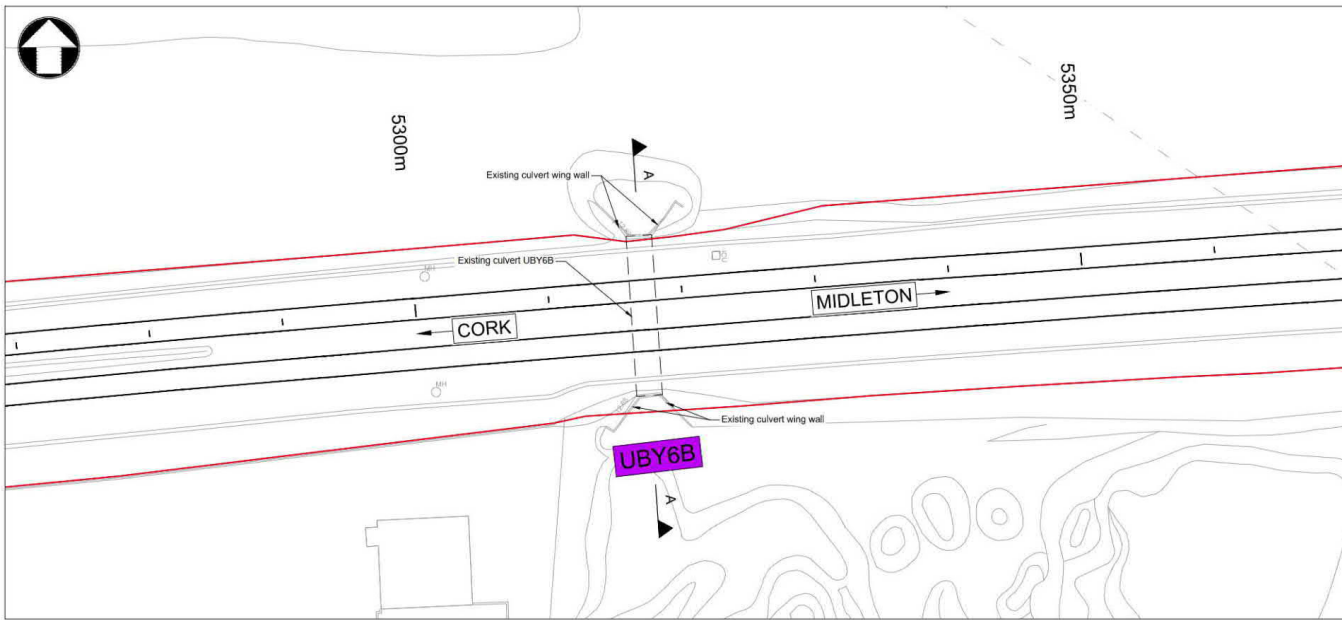
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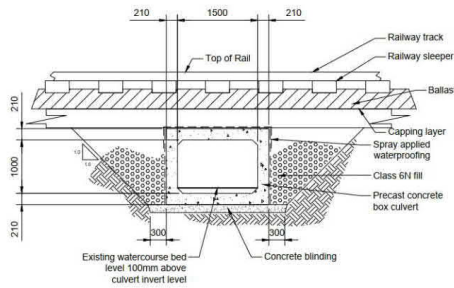
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P01	22/09/22	RS	NS	JM	PHASE 3: PRELIMINARY DESIGN
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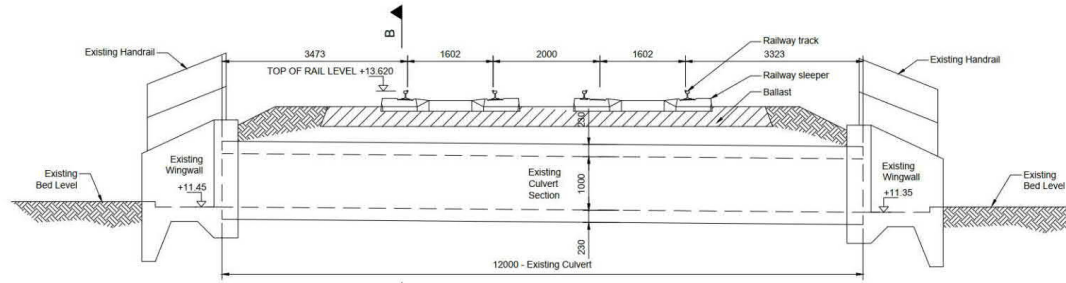
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Drawing Title		EXISTING CULVERT UB6A CH4418 PLAN, SECTION & ELEVATION	
Drawing File Name	C745-WP3	03-XX-XX-XXX-DR-MMD-SE-0320	23 of 26
Coordination	N.SAMACHETTY	Approval	J.MCINERNEY
Scale @A1:	AS SHOWN	Acceptance	S
Scale @A3:	AS SHOWN	Purpose	P1
		Rev	P01



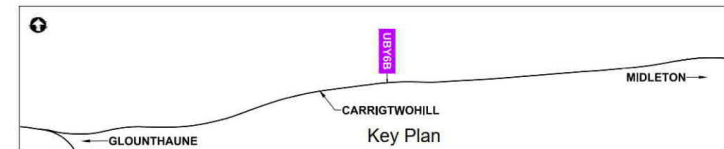
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UB Y6B Culvert Cross Section B-B
1:50 @ A1
1:100 @ A3



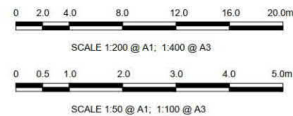
UB Y6B Culvert Long Section A-A
1:50 @ A1
1:100 @ A3



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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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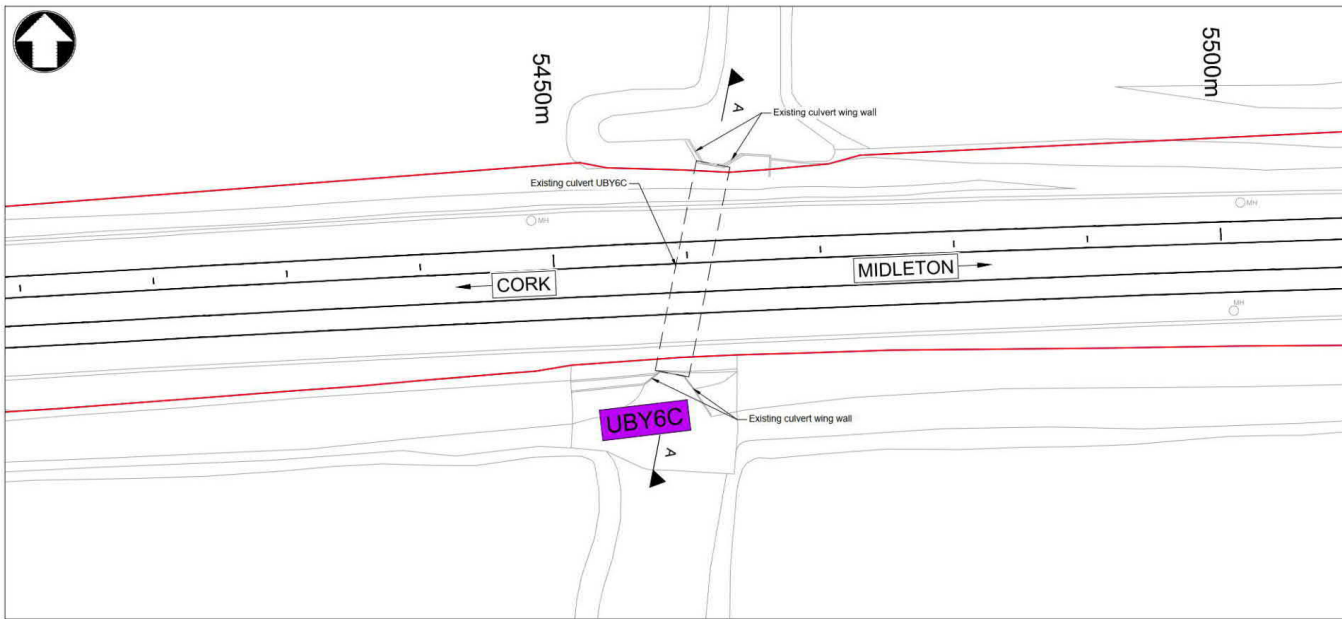
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		Dwg check	R. SEXTON	Eng check	N. SAMACHETTY

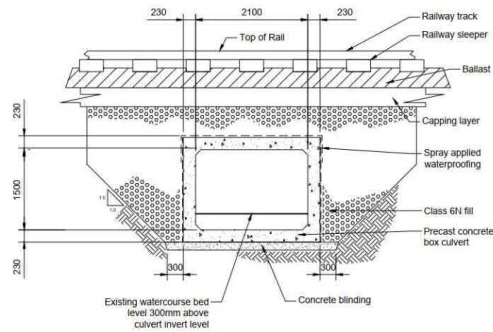
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GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: EXISTING CULVERT UB Y6B
CH5317
PLAN, SECTION & ELEVATION

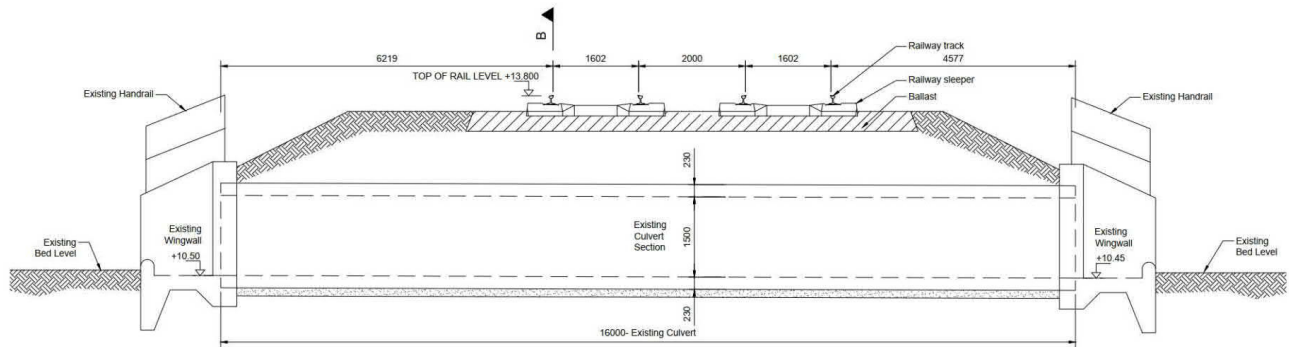
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Coordination: N.SAMACHETTY	Approval: J.MCINERNEY	Scale @A1: AS SHOWN	Acceptance: S
Purpose: P1	Rev: P01		



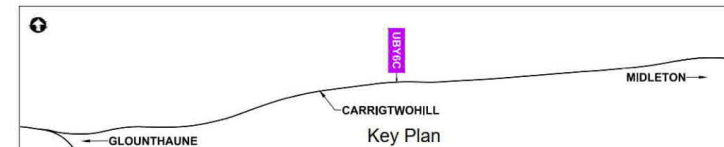
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UB6C Culvert Cross Section B-B
1:50 @ A1
1:100 @ A3



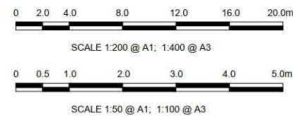
UB6C Culvert Long Section A-A
1:50 @ A1
1:100 @ A3



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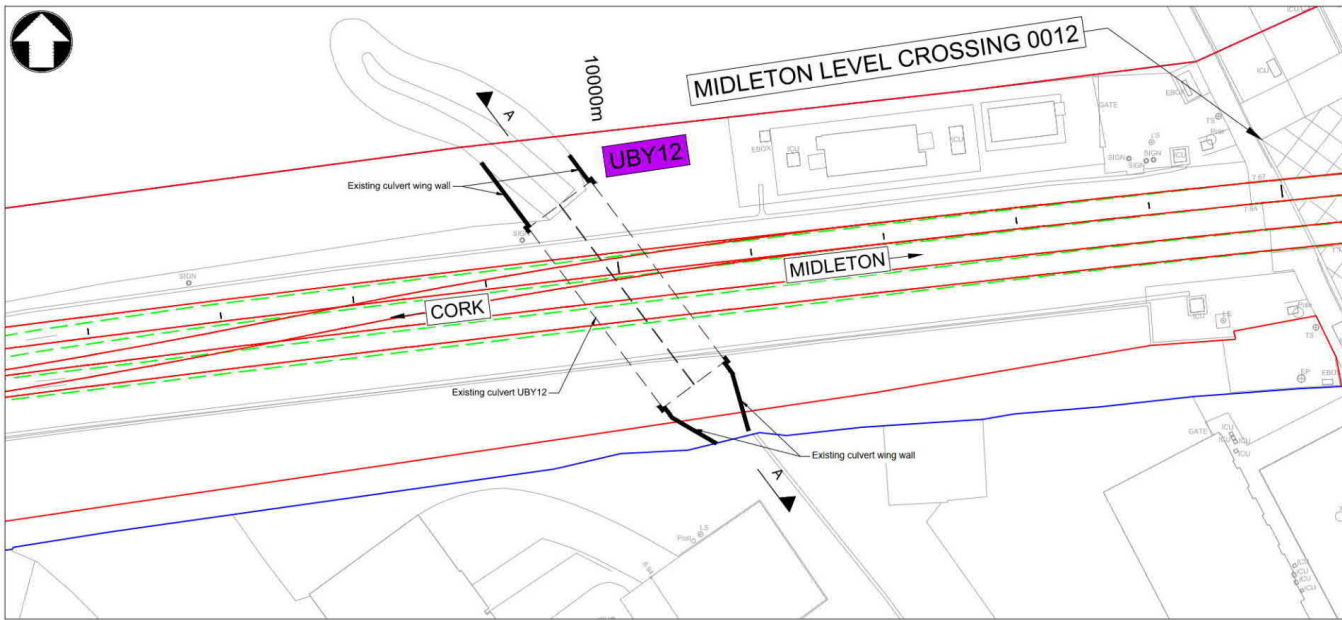
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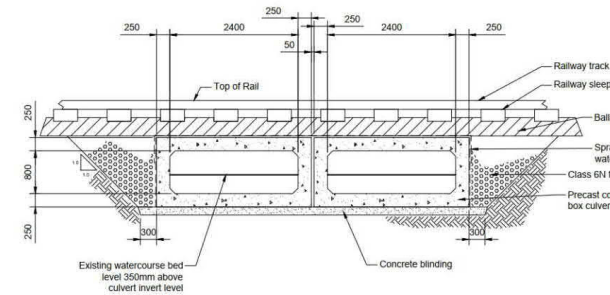
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Date	22/09/22	Designed	R. SEXTON	Drawn	R. SEWARD	Dwg check	R. SEXTON	Eng check	N. SAMACHETTY

Project Title CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDDLETON TWIN TRACK	
Drawing Title EXISTING CULVERT UB6C CH5460 PLAN, SECTION & ELEVATION	
Drawing File Name C745-WP3	03-XX-XX-XXX-DR-MMD-SE-0340
Coordination N.SAMACHETTY	Approval J.MCINERNEY
Scale @A1: AS SHOWN	Scale @A3: AS SHOWN
Purpose S	Acceptance S
Sheet 25 of 26	Rev P01

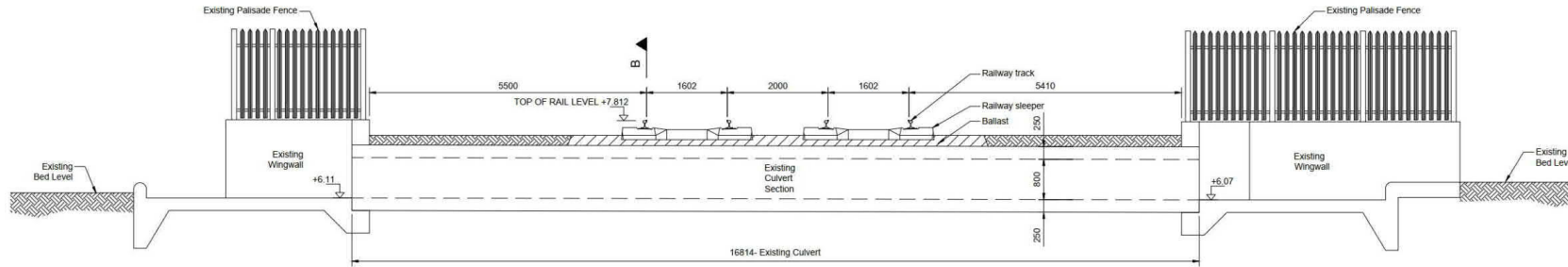
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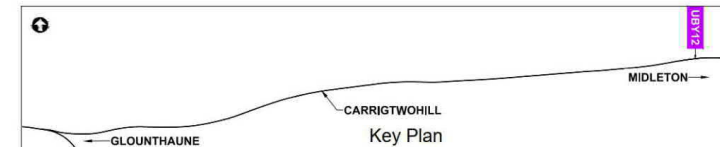
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UB12 Culvert Cross Section B-B
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1:100 @ A3



UB12 Culvert Long Section A-A
1:50 @ A1
1:100 @ A3

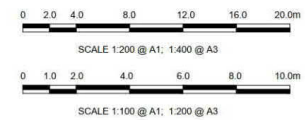


Key Plan

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LEGEND

	PROPOSED GABION WALL
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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 SLUICED OR MODIFIED TRACK
	DEVELOPMENT BOUNDARY
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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

Project Title	CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDDLETON TWIN TRACK	
Drawing Title	EXISTING CULVERT UB12 CH10000 PLAN, SECTION & ELEVATION	
Drawing File Name	C745-WP3	26 of 26
Coordination	N. SAMACHETTY	Scale @A1: AS SHOWN
Approval	J. MCINERNEY	Scale @A3: AS SHOWN
Acceptance	S	Purpose
Rev	P1	P01

CABLE WAYS PLANS

DRAWING NUMBER

- C745-WP3_03-XX-XX-XXX-DR-MMD-PR-1000
- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0001
- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0002
- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0003
- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0004
- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0005
- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0006
- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0007
- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0008
- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0009
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- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0011
- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0012
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- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0015
- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0016
- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0017
- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0018
- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0019
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- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0026
- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0027
- C745-WP3_03-XX-XX-XXX-DR-MMD-EE-0028

DRAWING TITLE

- CABLE WAYS, TITLE SHEET AND KEY PLAN
- CABLE WAYS LAYOUT, CH290 TO CH650
- CABLE WAYS LAYOUT, CH650 TO CH1030
- CABLE WAYS LAYOUT, CH1030 TO CH1400
- CABLE WAYS LAYOUT, CH1400 TO CH1780
- CABLE WAYS LAYOUT, CH1780 TO CH2150
- CABLE WAYS LAYOUT, CH2150 TO CH2520
- CABLE WAYS LAYOUT, CH2520 TO CH2900
- CABLE WAYS LAYOUT, CH2900 TO CH3280
- CABLE WAYS LAYOUT, CH3280 TO CH3660
- CABLE WAYS LAYOUT, CH3660 TO CH4040
- CABLE WAYS LAYOUT, CH4040 TO CH4410
- CABLE WAYS LAYOUT, CH4410 TO CH4790
- CABLE WAYS LAYOUT, CH4790 TO CH5170
- CABLE WAYS LAYOUT, CH5170 TO CH5550
- CABLE WAYS LAYOUT, CH5550 TO CH5930
- CABLE WAYS LAYOUT, CH5930 TO CH6310
- CABLE WAYS LAYOUT, CH6310 TO CH6690
- CABLE WAYS LAYOUT, CH6690 TO CH7070
- CABLE WAYS LAYOUT, CH7070 TO CH7450
- CABLE WAYS LAYOUT, CH7450 TO CH7830
- CABLE WAYS LAYOUT, CH7830 TO CH8210
- CABLE WAYS LAYOUT, CH8210 TO CH8600
- CABLE WAYS LAYOUT, CH8600 TO CH8980
- CABLE WAYS LAYOUT, CH8980 TO CH9350
- CABLE WAYS LAYOUT, CH9350 TO CH9740
- CABLE WAYS LAYOUT, CH9740 TO CH10110
- CABLE WAYS LAYOUT, CH10110 TO CH10470
- CABLE WAYS LAYOUT, CH10470 TO CH10640





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2040



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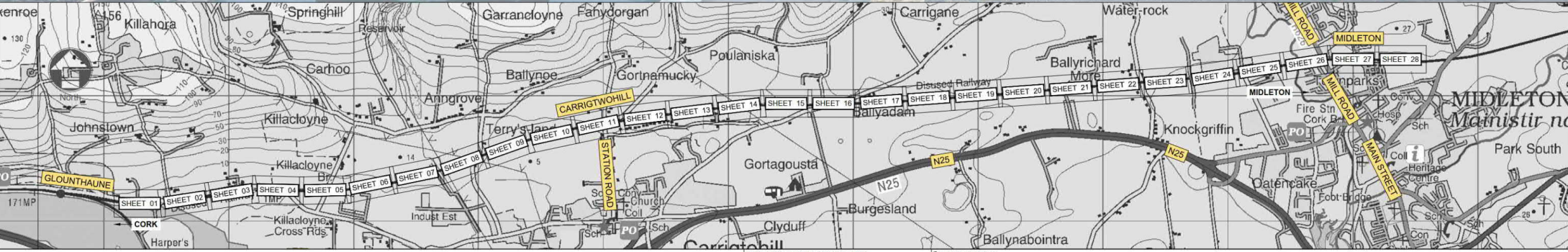
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Iarnród Éireann
Irish Rail



CIE



GLOUNTHAUNE - MIDLETON TWIN TRACK PROJECT

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Client: Iarnród Éireann-Irish Rail Connolly Station Amiens Street Dublin 1 D01 VE6E		Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK																			
 		Drawing Title: CABLE WAYS PLANS TITLE SHEET AND KEY PLAN																			
		Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-EE-1000 Coordination: N.SAMACHETTY Approved: J.MCINERNEY Scale @A1: NTS Scale @A3: NTS																			
MOTT MACDONALD 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" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Rev</th> <th>Date</th> <th>RO</th> <th>NS</th> <th>JM</th> <th>PHASE 3: PRELIMINARY DESIGN</th> </tr> <tr> <th></th> <th></th> <th></th> <th>Eng</th> <th>Appr</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>P01</td> <td>23/09/22</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Rev	Date	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN				Eng	Appr	Description	P01	23/09/22					1 Sheet of 1 Purpose: P1 Rev: P01
Rev	Date	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN																
			Eng	Appr	Description																
P01	23/09/22																				

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NOTES

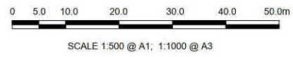
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CABLE WAYS LEGEND

- EXISTING CABLE TROUGH TO BE RETAINED
- EXISTING CABLE TROUGH TO BE REMOVED
- PROPOSED CABLE TROUGH
- EXISTING CABLE DUCTS TO BE RETAINED
- EXISTING CABLE DUCTS TO BE REMOVED
- PROPOSED CABLE DUCTS
- EXISTING CABLE CHAMBERS TO BE RETAINED
- EXISTING CABLE CHAMBERS TO BE REMOVED
- PROPOSED CABLE CHAMBERS
- PROPOSED SIGNALLING AND OCS ZONE
- RUNNING LINES
- EXISTING TRACK SLUICED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- TRACKWORK TO BE REMOVED
- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

STRUCTURES LEGEND

- EXISTING OVERBRIDGE
- OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- UNDERBRIDGE TO BE EXTENDED/WIDENED



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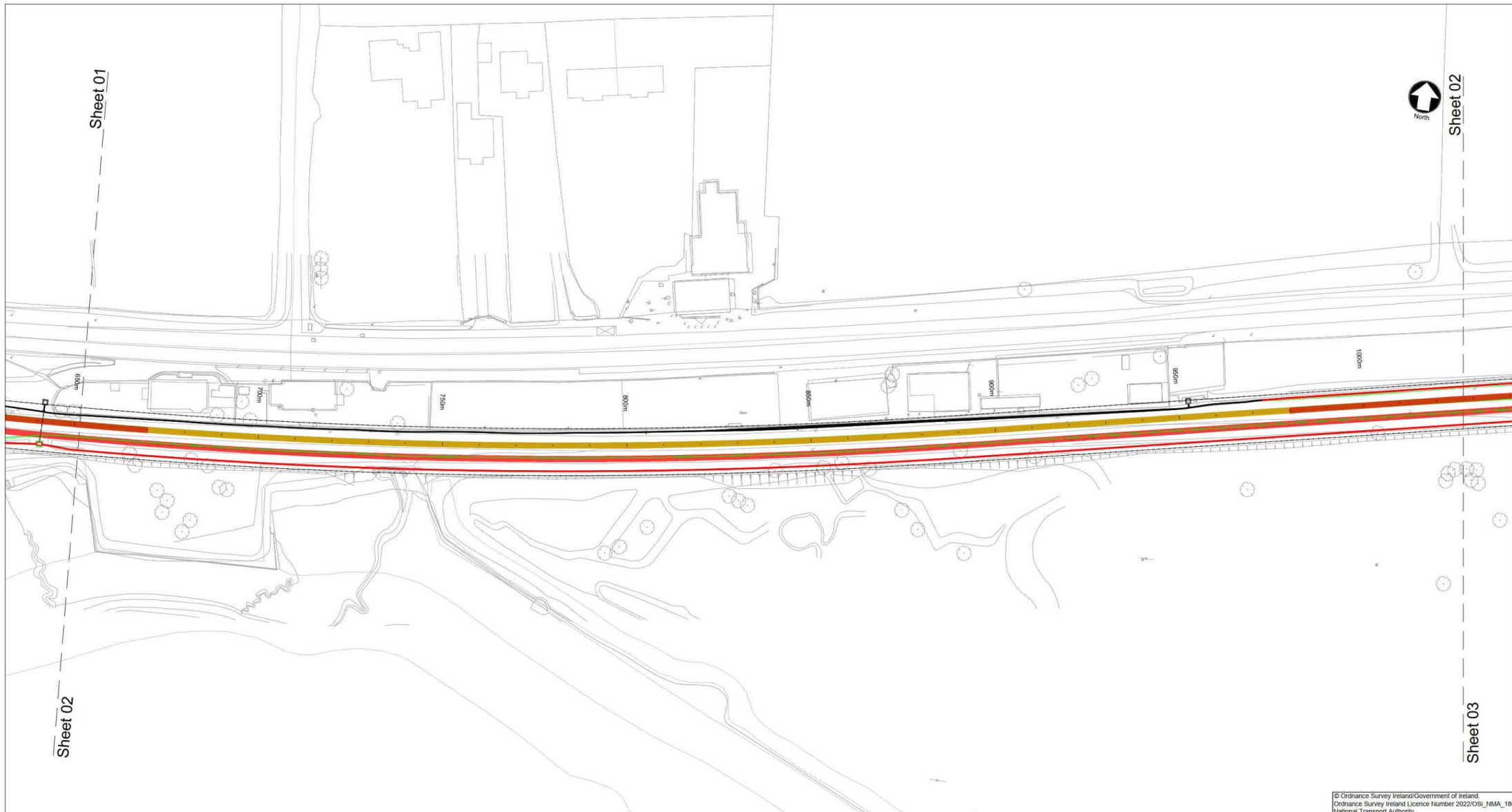
Project Title **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title **CABLE WAYS LAYOUT
CH290 TO CH650**

P01	10/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN
Rev	Date	Drawn	Eng Check	Appr	Description
Date	23/09/22	Designed	LMANGOUROV	Drawn	R.OCONNOR
		Dwg check	G.BERCOT	Eng check	N.SAMACHETTY

Drawing File Name **C745-WP3 03-XX-XX-XXX-DR-MMD-EE-0001** 01 Sheet of 28

Coordination Approved Scale @A1: 1:500 Scale @A3: 1:1000 Acceptance Purpose P1 Rev P02



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CABLE WAYS LEGEND

- EXISTING CABLE TROUGH TO BE RETAINED
- EXISTING CABLE TROUGH TO BE REMOVED
- PROPOSED CABLE TROUGH
- EXISTING CABLE DUCTS TO BE RETAINED
- EXISTING CABLE DUCTS TO BE REMOVED
- PROPOSED CABLE DUCTS
- EXISTING CABLE CHAMBERS TO BE RETAINED
- EXISTING CABLE CHAMBERS TO BE REMOVED
- PROPOSED CABLE CHAMBERS
- PROPOSED SIGNALLING AND OCS ZONE

TRACK LEGEND

- RUNNING LINES
- EXISTING TRACK SLUED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- TRACKWORK TO BE REMOVED

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Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title		Glounthaune-Midleton Twin Track Cable Ways Layout	
Rev	Date	Drawn	Eng Check
P01	10/06/22	IM	JM
Preliminary Design for Public Consultation			
Date	Designed	Drawn	Dwg check
10/06/22	IMANGOUROV	IMANGOUROV	ROCONNOR
			Eng check
			JMCINERNEY
Drawing File Name		C745-WP3	
Coordination		Approved	
Scale @ A1		1:500	
Acceptance		S	
Purpose		P1	
Rev		P01	

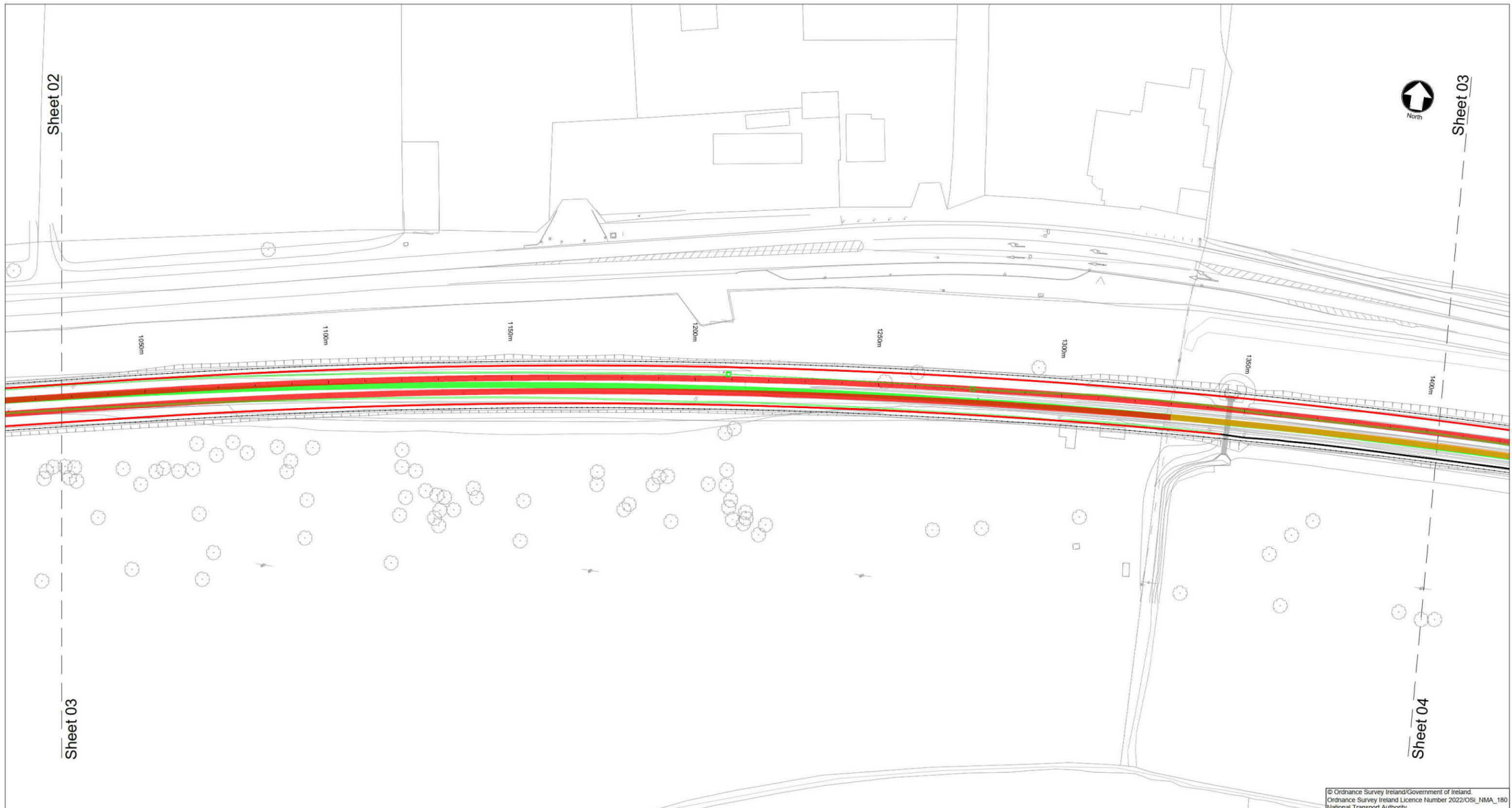
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Coordination: Approved
Scale @ A1: 1:500
Acceptance: S
Purpose: P1
Rev: P01

Sheet 02

Sheet 03



Sheet 04



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	EXISTING CABLE TROUGH TO BE RETAINED
	EXISTING CABLE TROUGH TO BE REMOVED
	PROPOSED CABLE TROUGH
	EXISTING CABLE DUCTS TO BE RETAINED
	EXISTING CABLE DUCTS TO BE REMOVED
	PROPOSED CABLE DUCTS
	EXISTING CABLE CHAMBERS TO BE RETAINED
	EXISTING CABLE CHAMBERS TO BE REMOVED
	PROPOSED CABLE CHAMBERS
	PROPOSED SIGNALLING AND OCS ZONE
TRACK LEGEND	
	RUNNING LINES
	EXISTING TRACK SLUED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED

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Project Title: CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDLETON TWIN TRACK

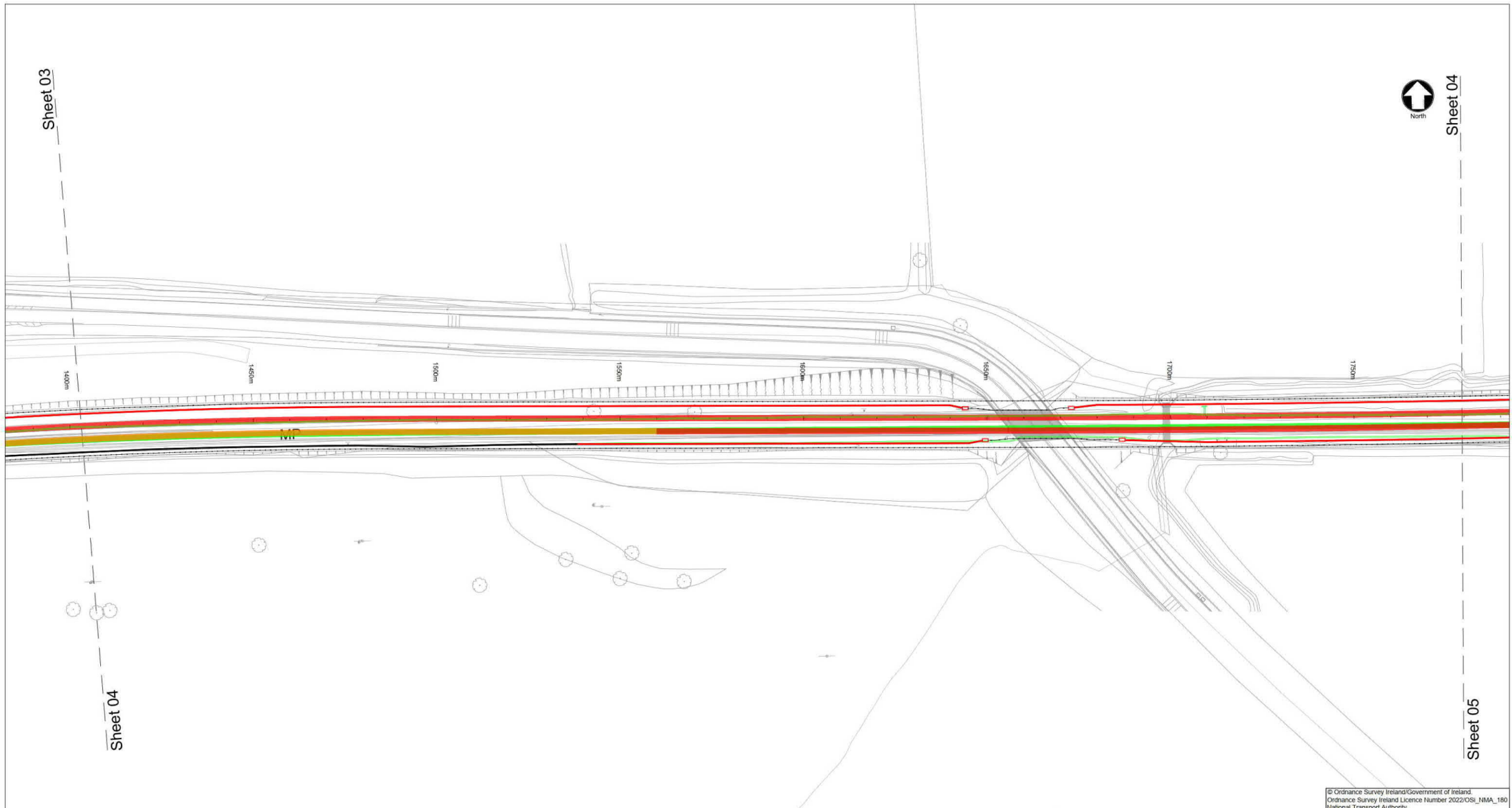
Drawing Title: Grounthaune-Midleton Twin Track
 Cable Ways Layout

Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	IM	JM		Preliminary Design for Public Consultation

Drawing File Name: C745-WP3
 03-XX-XX-XXX-DR-MMD-EE-0003
 03 of 28

Scale @ A1: 1:500
 Acceptance: S
 Purpose: P1
 Rev: P01

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- CABLE WAYS LEGEND**
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 - EXISTING CABLE DUCTS TO BE RETAINED
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Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	IM	JM		Preliminary Design for Public Consultation

Project Title: **CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title: **Glounthaune-Midleton Twin Track
 Cable Ways Layout**

Date	10/06/22	Designed	LMANGOUROV	Drawn	LMANGOUROV	Dwg check	ROCONNOR	Eng check	JMCINERNEY
Coordination	Approved	Scale @	A1 1:500	Acceptance	S	Purpose	P1	Rev	P01

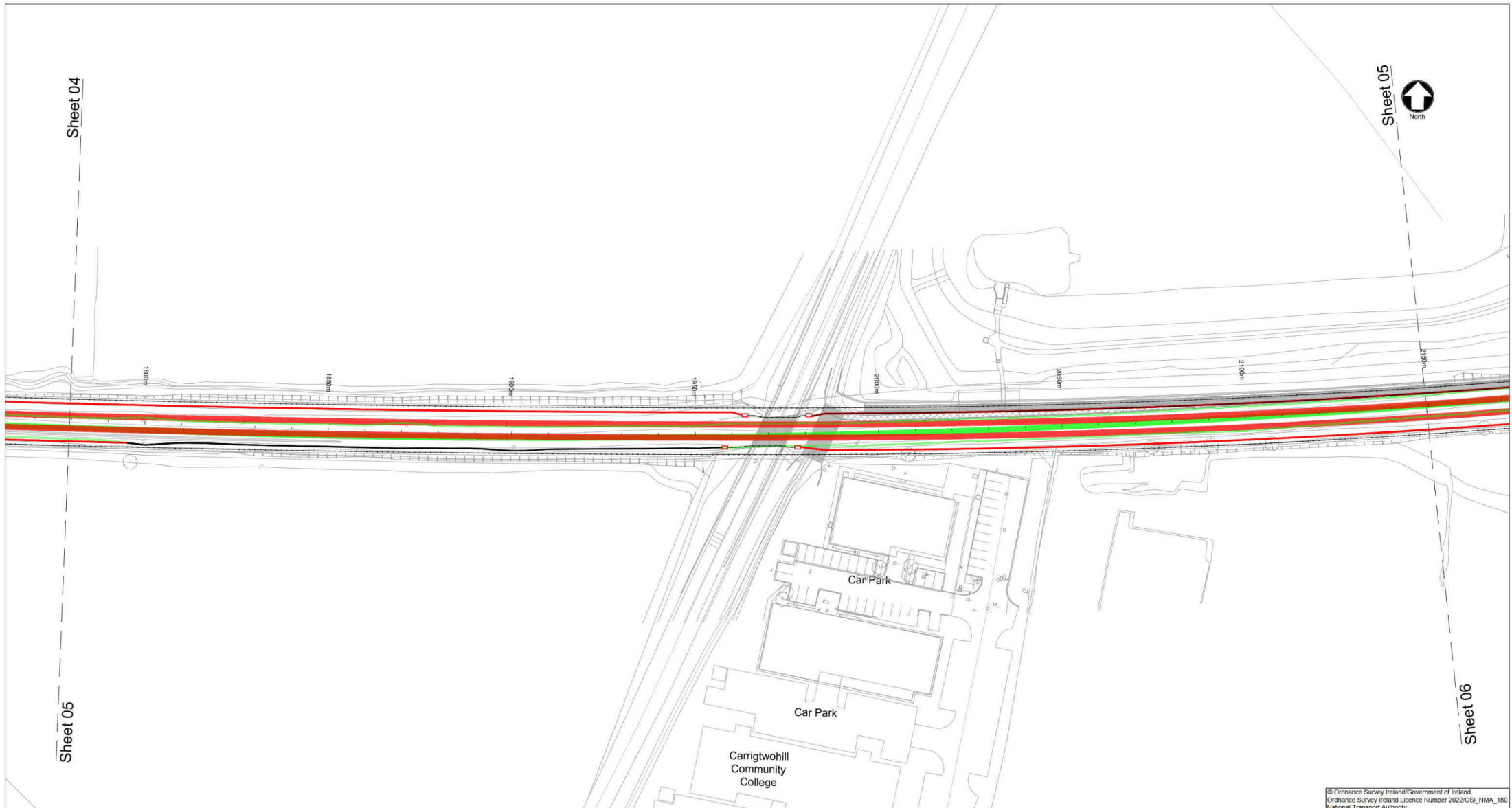
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Sheet 04

Sheet 05



Sheet 06



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Project Title: CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: Glounthaune-Midleton Twin Track
 Cable Ways Layout

Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	IM	JM		Preliminary Design for Public Consultation

Drawing File Name: C745-WP3
 Coordination: Approved
 Scale: @ A1 1:500
 Acceptance: S
 Purpose: P1
 Rev: P01

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- OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng. Check	Appr	Description
P01	10/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
23/09/22	IMANGOUROV	R.OCONNOR	G.BERCOT	N.SAMACHETTY

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Iarnród Éireann Irish Rail **CIE**

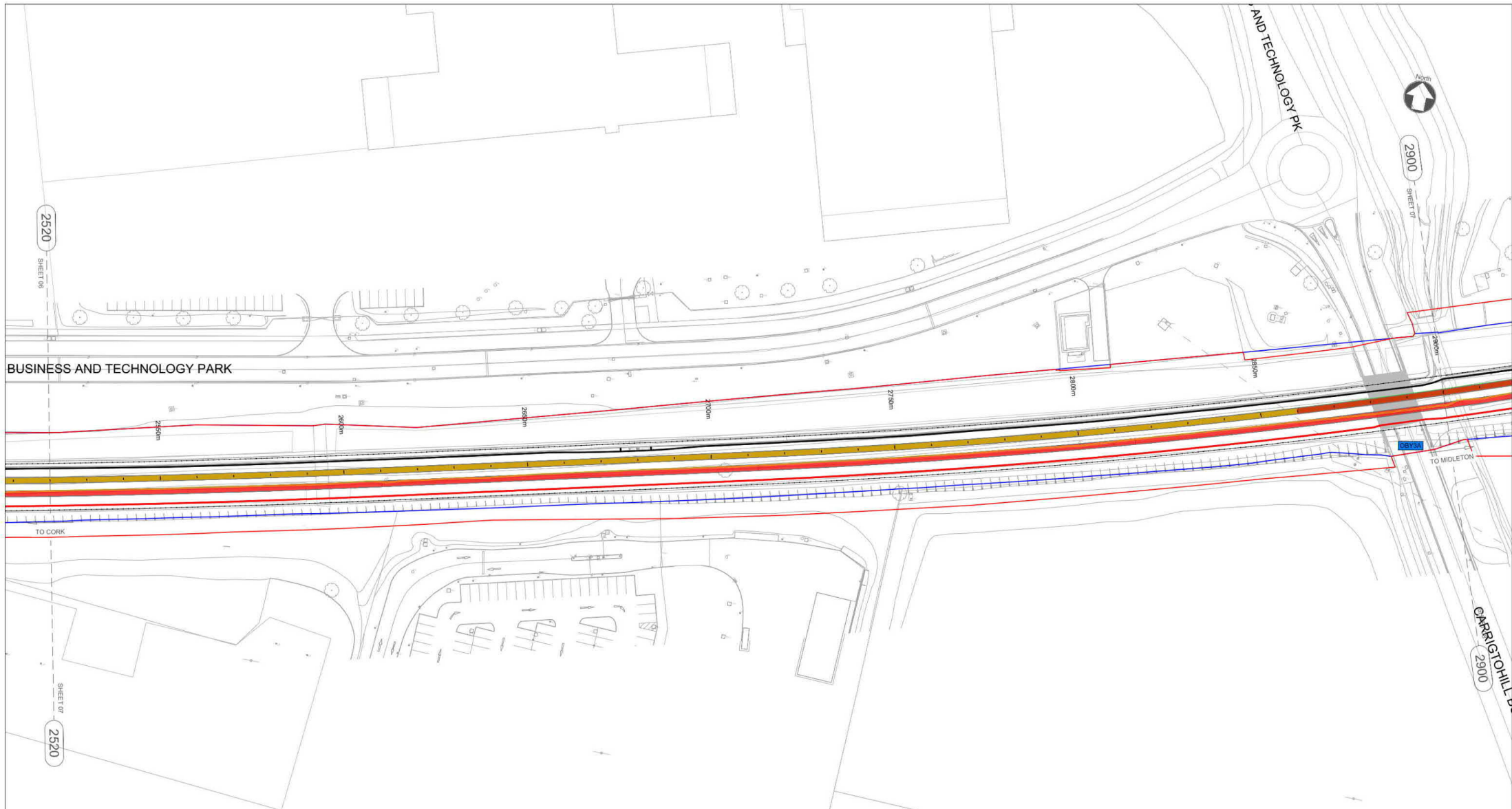
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Drawing Title: CABLE WAYS LAYOUT CH2150 TO CH2520

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-EE-0006

Coordination: Approved Scale @A1: 1:500 Scale @A3: 1:1000 Acceptance: S Purpose: P1 Rev: P02

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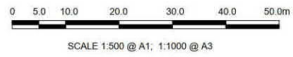
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	EXISTING CABLE TROUGH TO BE REMOVED
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	EXISTING CABLE DUCTS TO BE REMOVED
	PROPOSED CABLE DUCTS
	EXISTING CABLE CHAMBERS TO BE RETAINED
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	DEVELOPMENT BOUNDARY
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STRUCTURES LEGEND	
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	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng. Check	Appr	Description
P01	10/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
23/09/22	IMANGOUROV	R.OCONNOR	G.BERCOT	N.SAMACHETTY



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CIE

Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK

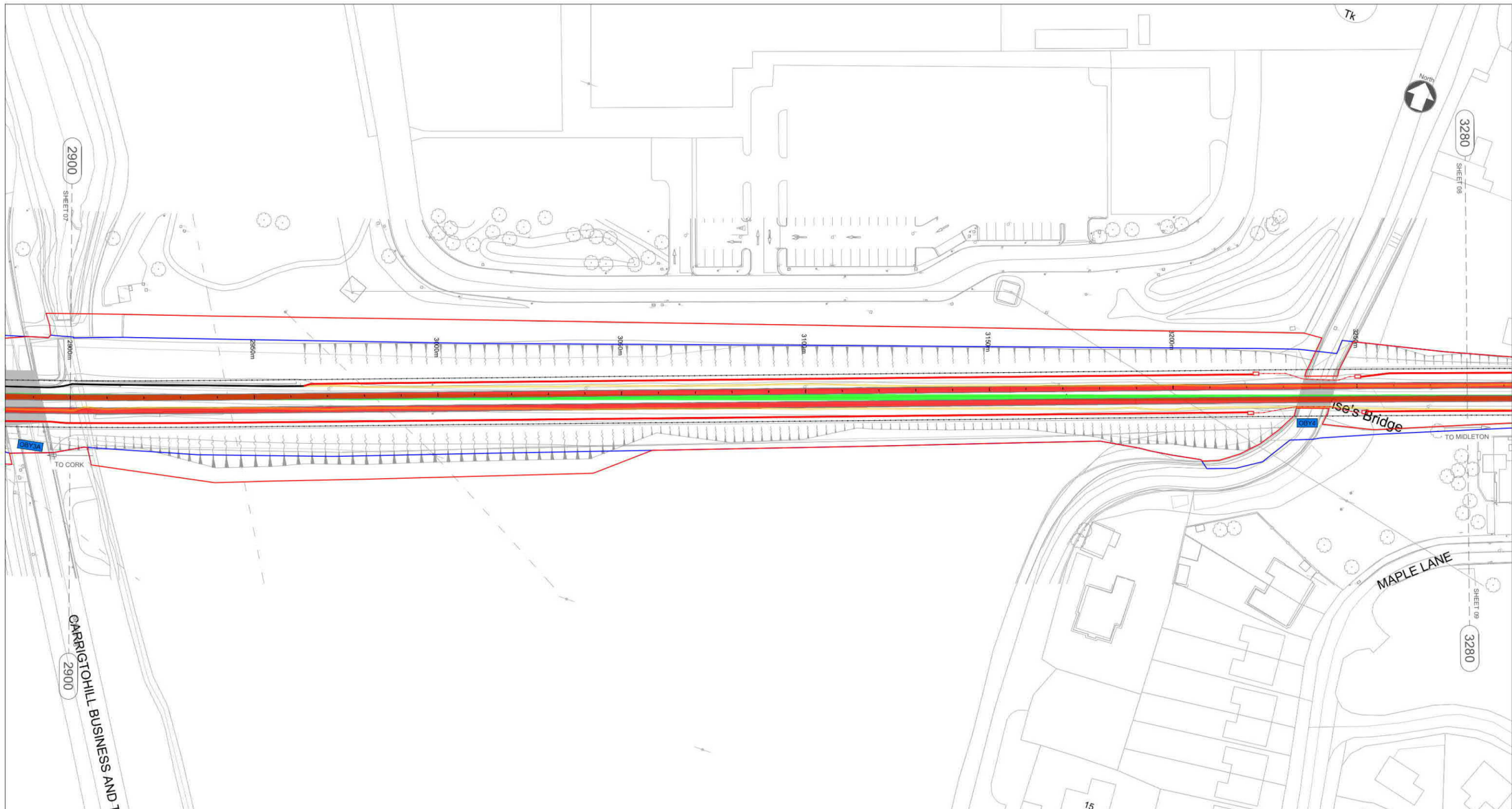
Drawing Title: CABLE WAYS LAYOUT CH2520 TO CH2900

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-EE-0007

07 of 28

Scale @A1: 1:500
Scale @A3: 1:1000

Coordination: Approved
Acceptance: S
Purpose: P1
Rev: P02



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CABLE WAYS LEGEND

- EXISTING CABLE TROUGH TO BE RETAINED
- EXISTING CABLE TROUGH TO BE REMOVED
- PROPOSED CABLE TROUGH
- EXISTING CABLE DUCTS TO BE RETAINED
- EXISTING CABLE DUCTS TO BE REMOVED
- PROPOSED CABLE DUCTS
- EXISTING CABLE CHAMBERS TO BE RETAINED
- EXISTING CABLE CHAMBERS TO BE REMOVED
- PROPOSED CABLE CHAMBERS
- PROPOSED SIGNALLING AND OCS ZONE
- RUNNING LINES
- EXISTING TRACK SLUICED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- TRACKWORK TO BE REMOVED
- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

STRUCTURES LEGEND

- EXISTING OVERBRIDGE
- OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- UNDERBRIDGE TO BE EXTENDED/WIDENED

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
23/09/22	IMANGOUROV	R.O'CONNOR	G.BERCOT	N.SAMACHETTY

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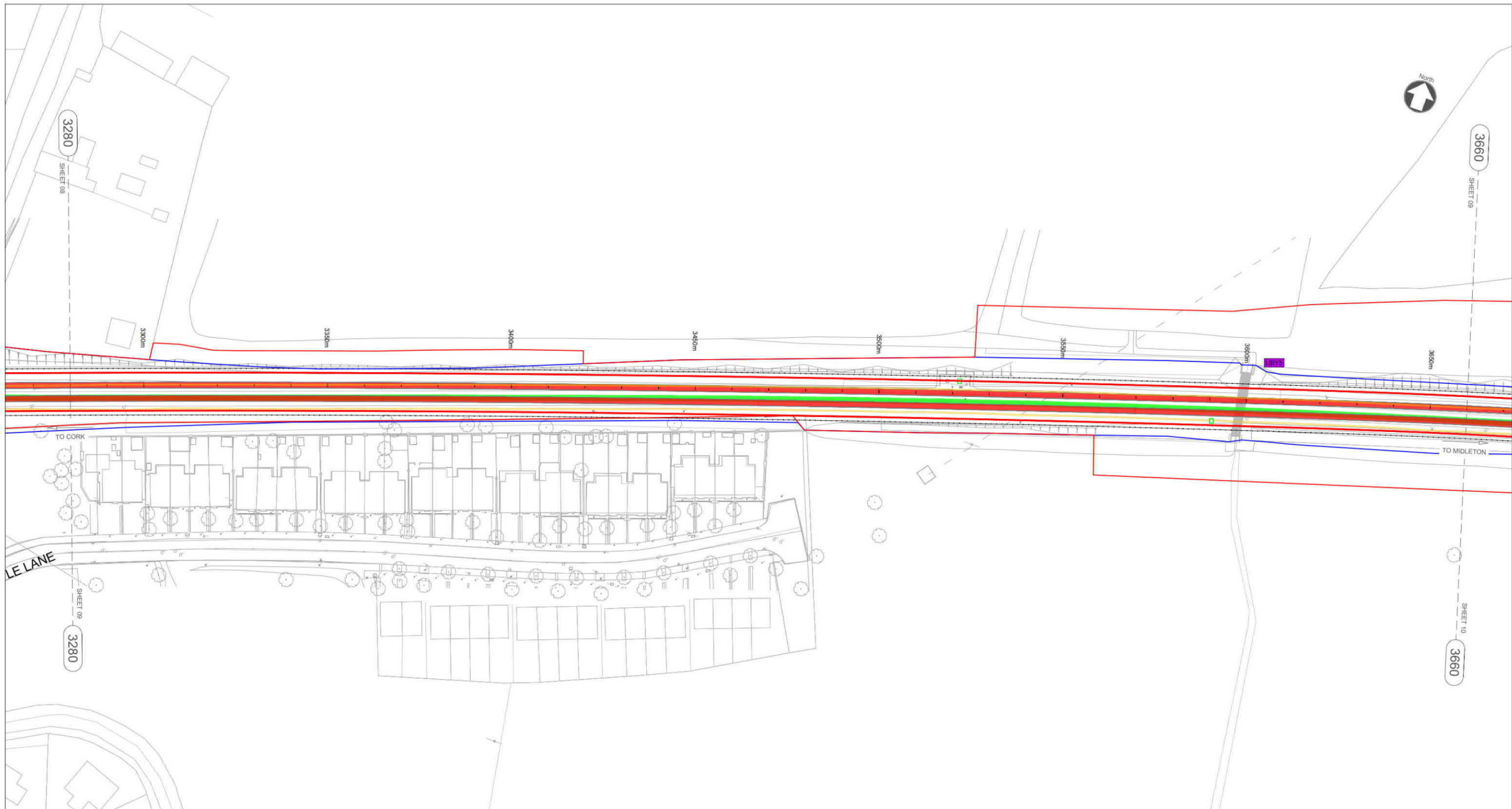
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Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: CABLE WAYS LAYOUT
CH2900 TO CH3280

Drawing File Name: C745-WP3	03-XX-XX-XXX-DR-MMD-EE-0008	08	Sheet of 28
Coordination: Approved	Scale @A1: 1:500	Acceptance: S	Purpose: P1
Scale @A3: 1:1000			Rev: P02



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CABLE WAYS LEGEND

- EXISTING CABLE TROUGH TO BE RETAINED
- EXISTING CABLE TROUGH TO BE REMOVED
- PROPOSED CABLE TROUGH
- EXISTING CABLE DUCTS TO BE RETAINED
- EXISTING CABLE DUCTS TO BE REMOVED
- PROPOSED CABLE DUCTS
- EXISTING CABLE CHAMBERS TO BE RETAINED
- EXISTING CABLE CHAMBERS TO BE REMOVED
- PROPOSED CABLE CHAMBERS
- PROPOSED SIGNALLING AND OCS ZONE
- RUNNING LINES
- EXISTING TRACK SLUICED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- TRACKWORK TO BE REMOVED
- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

STRUCTURES LEGEND

- EXISTING OVERBRIDGE
- OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
23/09/22	IMANGOUROV	R.OCONNOR	G.BERCOT	N.SAMACHETTY

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Iarnród Éireann Irish Rail

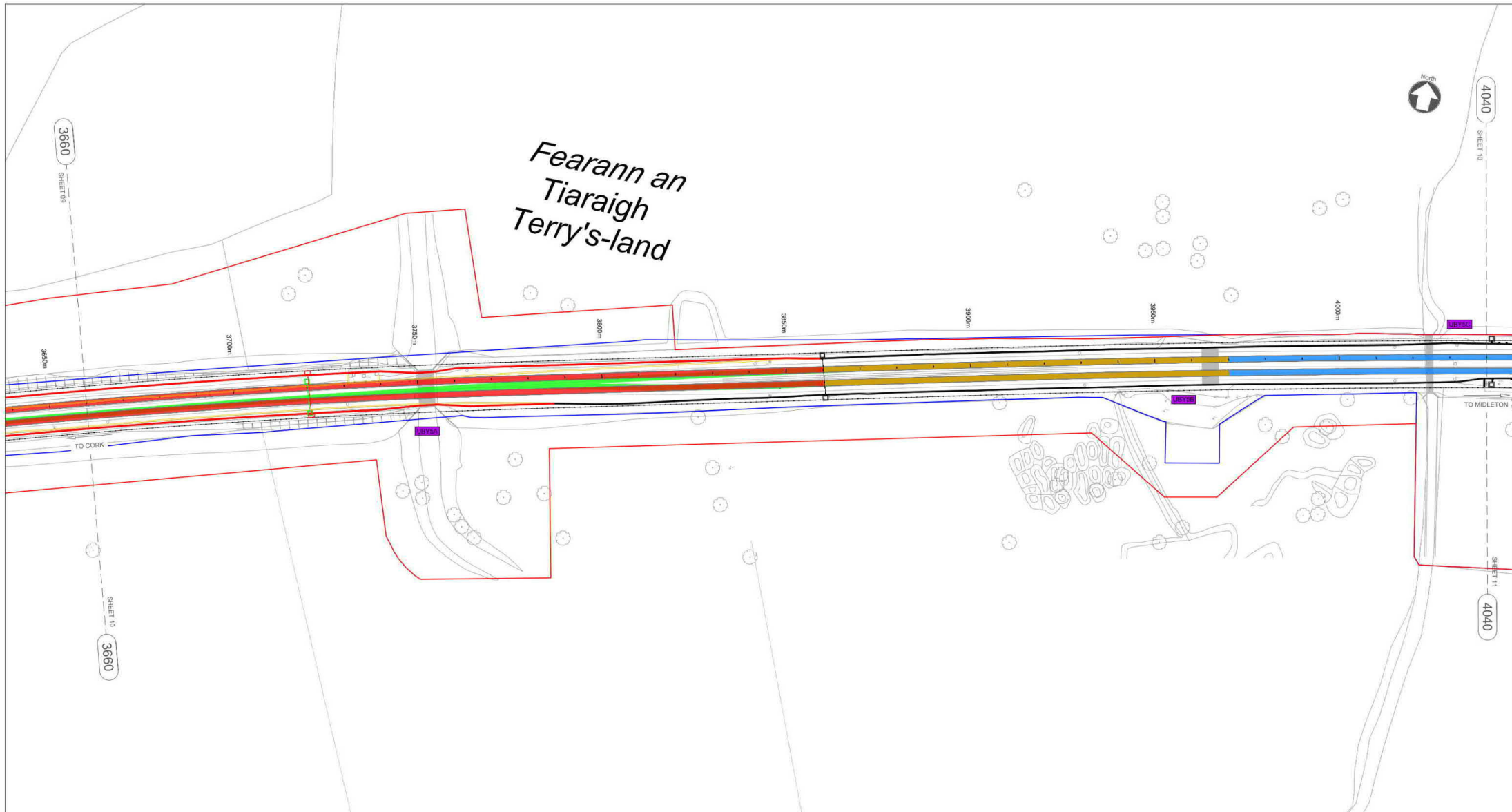
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Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: CABLE WAYS LAYOUT
CH3280 TO CH3660

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-EE-0009

Coordination: Approved Scale @A1: 1:500 Scale @A3: 1:1000 Acceptance: S Purpose: P1 Rev: 09 of 28



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CABLE WAYS LEGEND

- EXISTING CABLE TROUGH TO BE RETAINED
- EXISTING CABLE TROUGH TO BE REMOVED
- PROPOSED CABLE TROUGH
- EXISTING CABLE DUCTS TO BE RETAINED
- EXISTING CABLE DUCTS TO BE REMOVED
- PROPOSED CABLE DUCTS
- EXISTING CABLE CHAMBERS TO BE RETAINED
- EXISTING CABLE CHAMBERS TO BE REMOVED
- PROPOSED CABLE CHAMBERS
- PROPOSED SIGNALLING AND OCS ZONE
- RUNNING LINES
- EXISTING TRACK SLUICED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- TRACKWORK TO BE REMOVED
- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

STRUCTURES LEGEND

- EXISTING OVERBRIDGE
- OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- UNDERBRIDGE TO BE EXTENDED/WIDENED

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng. Check	Appr	Description
P01	10/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
23/09/22	IMANGOUROV	R.OCONNOR	G.BERCOT	N.SAMACHETTY

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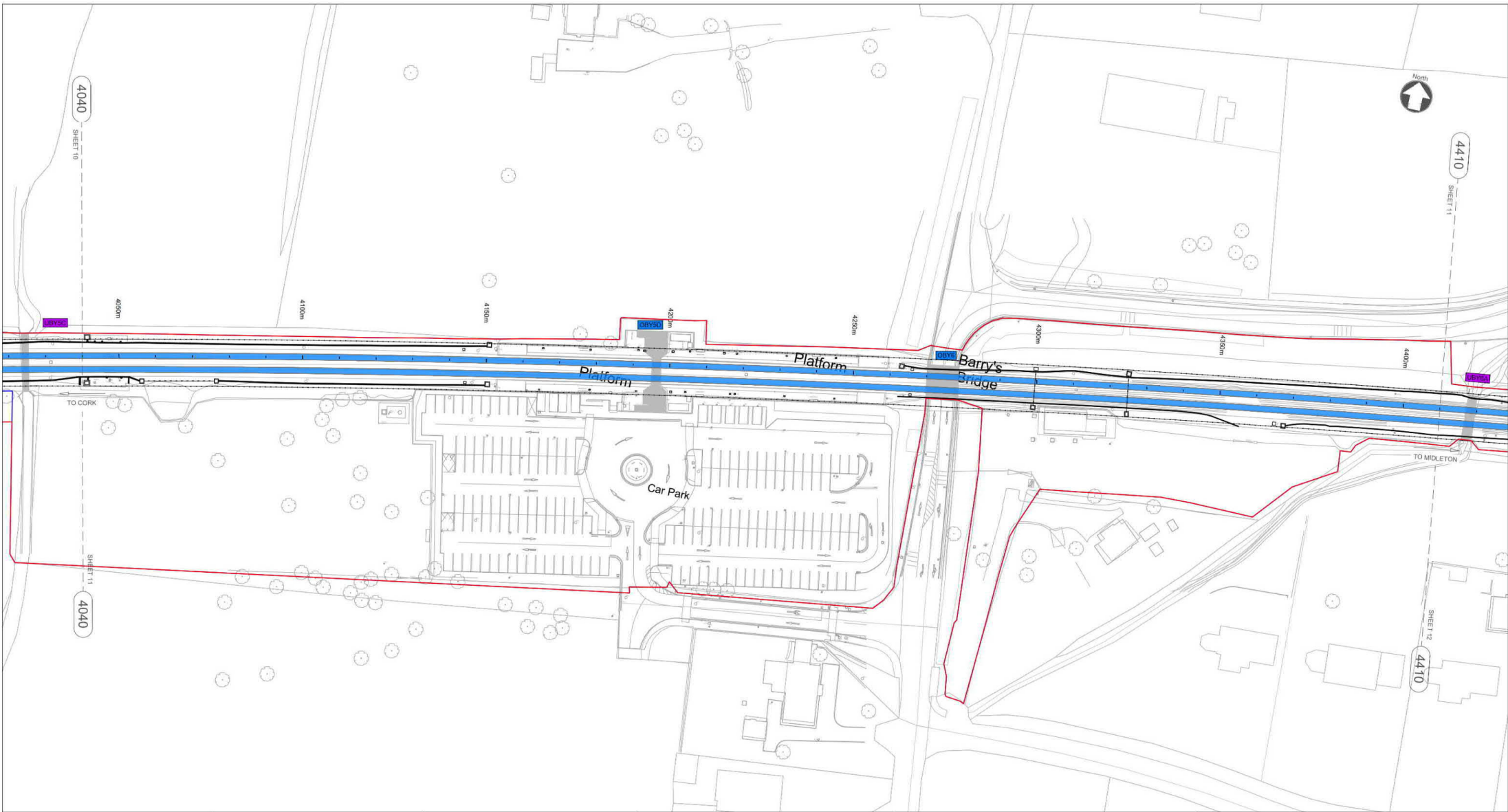
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Client **Iarnród Éireann-Irish Rail**
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D01 V6V6

Project Title **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDDLETON TWIN TRACK**

Drawing Title **CABLE WAYS LAYOUT
CH3660 TO CH4040**

Drawing File Name C745-WP3 03-XX-XX-XXX-DR-MMD-EE-0010		10 Sheet of 28
Coordination	Approved	Scale @A1: 1:500 Scale @A3: 1:1000
Acceptance	Purpose	Rev
S	P1	P02



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CABLE WAYS LEGEND	
	EXISTING CABLE TROUGH TO BE RETAINED
	EXISTING CABLE TROUGH TO BE REMOVED
	PROPOSED CABLE TROUGH
	EXISTING CABLE DUCTS TO BE RETAINED
	EXISTING CABLE DUCTS TO BE REMOVED
	PROPOSED CABLE DUCTS
	EXISTING CABLE CHAMBERS TO BE RETAINED
	EXISTING CABLE CHAMBERS TO BE REMOVED
	PROPOSED CABLE CHAMBERS
	PROPOSED SIGNALLING AND OCS ZONE
	RUNNING LINES
	EXISTING TRACK SLUICED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND	
	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
23/09/22	IMANGOUROV	R.O'CONNOR	G.BERCOT	N.SAMACHETTY

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Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: CABLE WAYS LAYOUT CH4040 TO CH4410

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-EE-0011

Coordination: Approved

Scale @A1: 1:500
Scale @A3: 1:1000

Acceptance: S

Purpose: P1

Rev: P02

11 of 28



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CABLE WAYS LEGEND

- EXISTING CABLE TROUGH TO BE RETAINED
- EXISTING CABLE TROUGH TO BE REMOVED
- PROPOSED CABLE TROUGH
- EXISTING CABLE DUCTS TO BE RETAINED
- EXISTING CABLE DUCTS TO BE REMOVED
- PROPOSED CABLE DUCTS
- EXISTING CABLE CHAMBERS TO BE RETAINED
- EXISTING CABLE CHAMBERS TO BE REMOVED
- PROPOSED CABLE CHAMBERS
- PROPOSED SIGNALLING AND OCS ZONE
- RUNNING LINES
- EXISTING TRACK SLUICED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- TRACKWORK TO BE REMOVED
- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

STRUCTURES LEGEND

- EXISTING OVERBRIDGE
- OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng. Check	Appr	Description
P01	10/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
23/09/22	IMANGOUROV	R.OCONNOR	G.BERCOT	N.SAMACHETTY

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Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: CABLE WAYS LAYOUT
CH4410 TO CH4790

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-EE-0012

Coordination: Approved

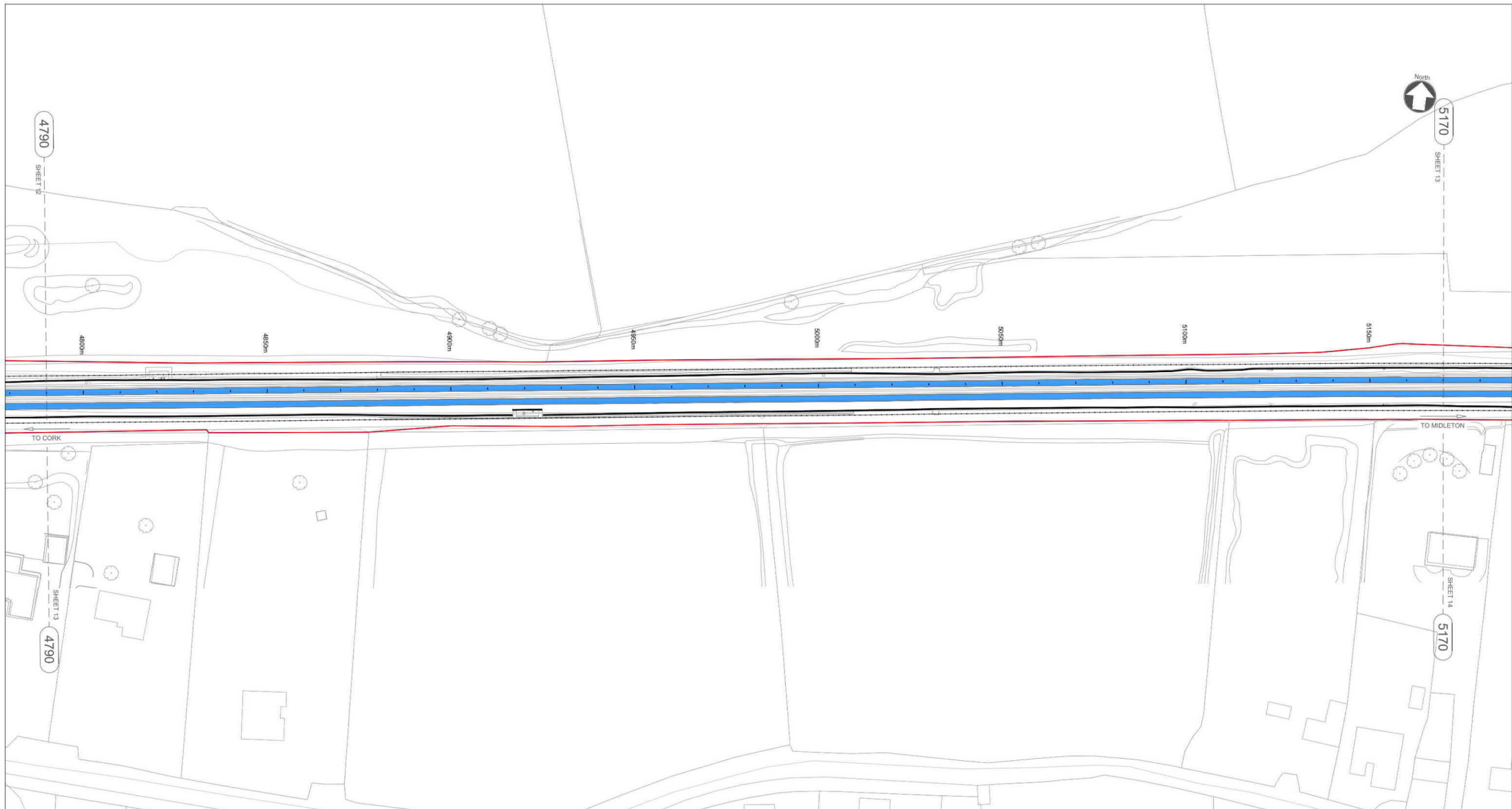
Scale @A1: 1:500
Scale @A3: 1:1000

Acceptance: S

Purpose: P1

Rev: P02

12 of 28



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CABLE WAYS LEGEND

- EXISTING CABLE TROUGH TO BE RETAINED
- EXISTING CABLE TROUGH TO BE REMOVED
- PROPOSED CABLE TROUGH
- EXISTING CABLE DUCTS TO BE RETAINED
- EXISTING CABLE DUCTS TO BE REMOVED
- PROPOSED CABLE DUCTS
- EXISTING CABLE CHAMBERS TO BE RETAINED
- EXISTING CABLE CHAMBERS TO BE REMOVED
- PROPOSED CABLE CHAMBERS
- PROPOSED SIGNALLING AND OCS ZONE
- RUNNING LINES
- EXISTING TRACK SLUICED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- TRACKWORK TO BE REMOVED
- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

STRUCTURES LEGEND

- EXISTING OVERBRIDGE
- OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng. Check	Appr	Description
P01	10/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
23/09/22	IMANGOUROV	R.O'CONNOR	G.BERCOT	N.SAMACHETTY

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Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: CABLE WAYS LAYOUT
CH4790 TO CH5170

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-EE-0013

13 Sheet of 28

Coordination: Approved Scale @A1: 1:500 Scale @A3: 1:1000 Acceptance: S Purpose: P1 Rev: P02



NOTES

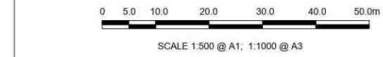
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CABLE WAYS LEGEND

- EXISTING CABLE TROUGH TO BE RETAINED
- EXISTING CABLE TROUGH TO BE REMOVED
- PROPOSED CABLE TROUGH
- EXISTING CABLE DUCTS TO BE RETAINED
- EXISTING CABLE DUCTS TO BE REMOVED
- PROPOSED CABLE DUCTS
- EXISTING CABLE CHAMBERS TO BE RETAINED
- EXISTING CABLE CHAMBERS TO BE REMOVED
- PROPOSED CABLE CHAMBERS
- PROPOSED SIGNALLING AND OCS ZONE
- RUNNING LINES
- EXISTING TRACK SLUICED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- TRACKWORK TO BE REMOVED
- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

STRUCTURES LEGEND

- EXISTING OVERBRIDGE
- OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- UNDERBRIDGE TO BE EXTENDED/WIDENED



P01	10/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN
Rev	Date	Drawn	Eng Check	Appr	Description
		IMANGOUROV	R.O'CONNOR	G.BERCOT	N.SAMACHETTY

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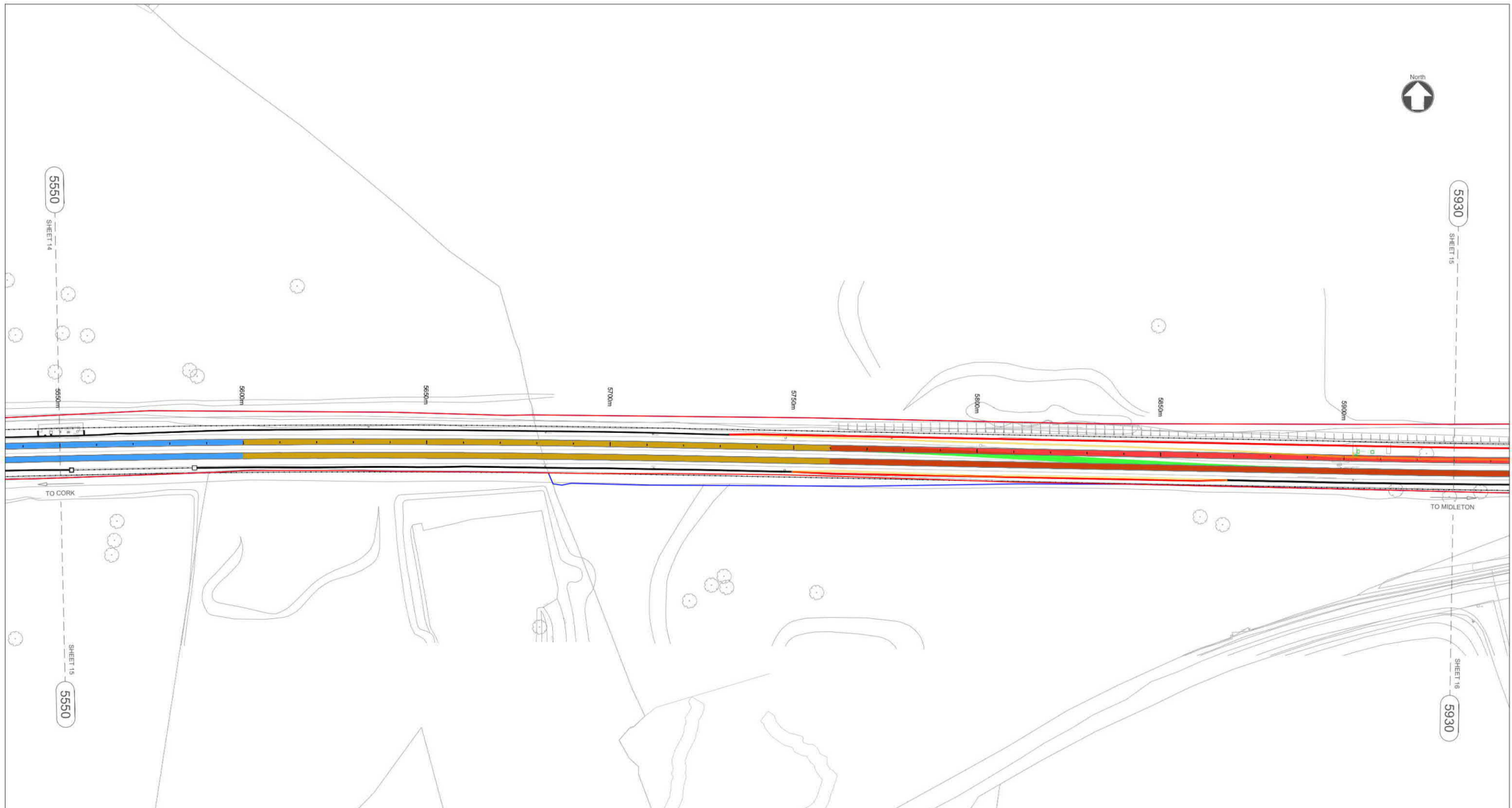
Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MILETOWN TWIN TRACK

Drawing Title: CABLE WAYS LAYOUT
CH5170 TO CH5550

Drawing File Name: C745-WP3 03-XX-XXX-DR-MMD-EE-0014

Coordination: Approved Scale @A1: 1:500 Scale @A3: 1:1000 Acceptance: S Purpose: P1 Rev: P02

14 Sheet of 28



NOTES

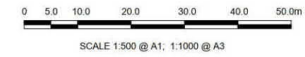
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CABLE WAYS LEGEND

- EXISTING CABLE TROUGH TO BE RETAINED
- EXISTING CABLE TROUGH TO BE REMOVED
- PROPOSED CABLE TROUGH
- EXISTING CABLE DUCTS TO BE RETAINED
- EXISTING CABLE DUCTS TO BE REMOVED
- PROPOSED CABLE DUCTS
- EXISTING CABLE CHAMBERS TO BE RETAINED
- EXISTING CABLE CHAMBERS TO BE REMOVED
- PROPOSED CABLE CHAMBERS
- PROPOSED SIGNALLING AND OCS ZONE
- RUNNING LINES
- EXISTING TRACK SLUICED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- TRACKWORK TO BE REMOVED
- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

STRUCTURES LEGEND

- EXISTING OVERBRIDGE
- OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- UNDERBRIDGE TO BE EXTENDED/WIDENED



Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
23/09/22	IMANGOUROV	R.O'CONNOR	G.BERCOT	N.SAMACHETTY

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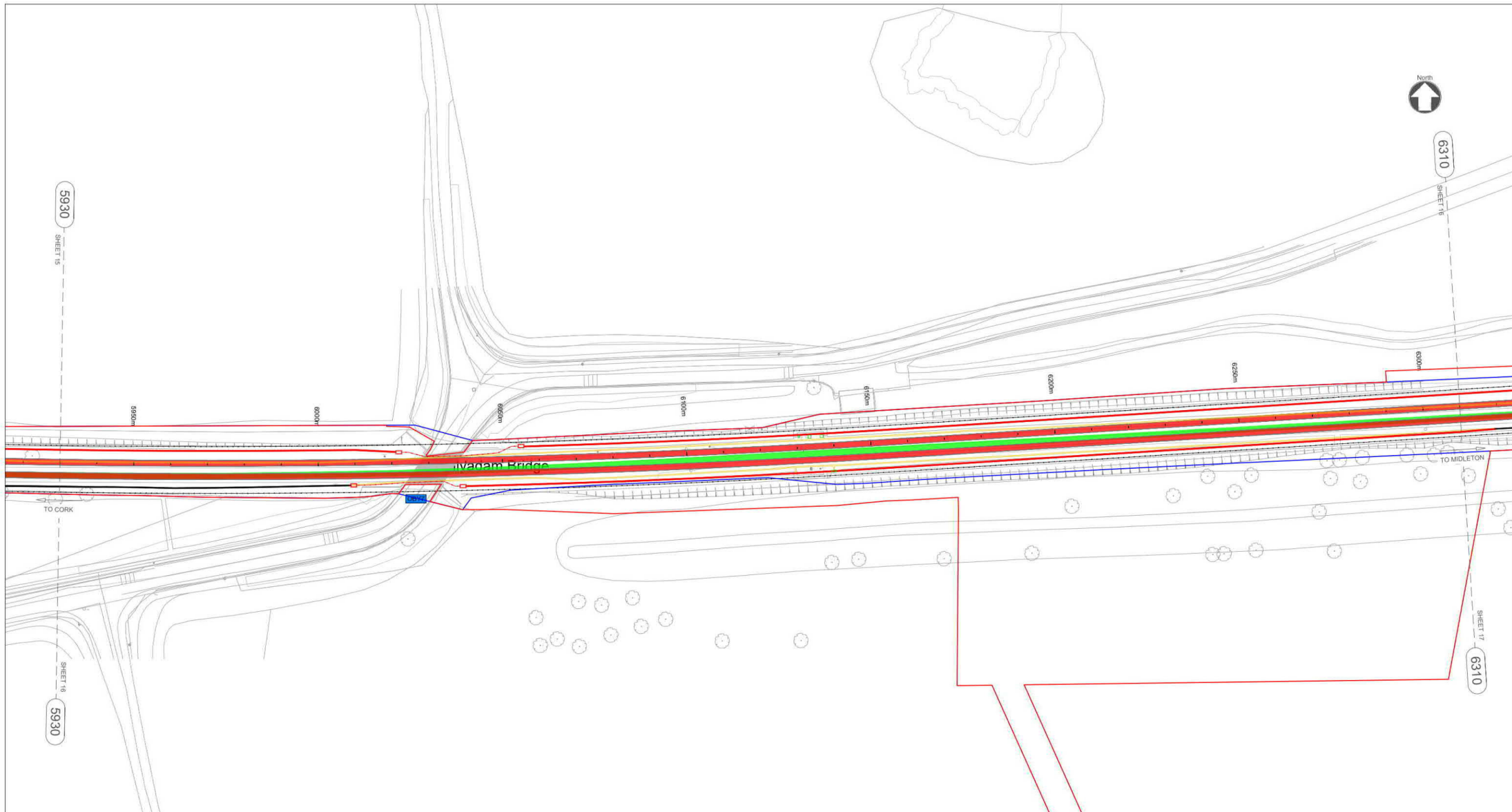
Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: CABLE WAYS LAYOUT
CH5550 TO CH5930

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-EE-0015

Coordination: Approved Scale @A1: 1:500 Scale @A3: 1:1000 Acceptance: S Purpose: P1 Rev: P02

15 Sheet of 28



NOTES

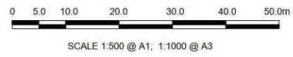
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CABLE WAYS LEGEND	
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	EXISTING CABLE TROUGH TO BE REMOVED
	PROPOSED CABLE TROUGH
	EXISTING CABLE DUCTS TO BE RETAINED
	EXISTING CABLE DUCTS TO BE REMOVED
	PROPOSED CABLE DUCTS
	EXISTING CABLE CHAMBERS TO BE RETAINED
	EXISTING CABLE CHAMBERS TO BE REMOVED
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	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND	
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Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
23/09/22	IMANGOUROV	R.OCONNOR	G.BERCOT	N.SAMACHETTY



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Iarnród Éireann Irish Rail

CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: CABLE WAYS LAYOUT
CH5930 TO CH6310

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-EE-0016

Coordination: Approved

Scale @A1: 1:500
Scale @A3: 1:1000

Acceptance: S

Purpose: P1

Rev: P02

16 of 28



NOTES

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CABLE WAYS LEGEND

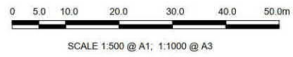
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- EXISTING CABLE TROUGH TO BE REMOVED
- PROPOSED CABLE TROUGH
- EXISTING CABLE DUCTS TO BE RETAINED
- EXISTING CABLE DUCTS TO BE REMOVED
- PROPOSED CABLE DUCTS
- EXISTING CABLE CHAMBERS TO BE RETAINED
- EXISTING CABLE CHAMBERS TO BE REMOVED
- PROPOSED CABLE CHAMBERS
- PROPOSED SIGNALLING AND OCS ZONE
- RUNNING LINES
- EXISTING TRACK SLUICED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- TRACKWORK TO BE REMOVED
- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

STRUCTURES LEGEND

- EXISTING OVERBRIDGE
- OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
23/09/22	IMANGOUROV	R.OCONNOR	G.BERCOT	N.SAMACHETTY



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Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDDLETON TWIN TRACK

Drawing Title: CABLE WAYS LAYOUT
CH6310 TO CH6690

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-EE-0017 17 of 28

Coordination: Approved Scale @A1: 1:500 Scale @A3: 1:1000 Acceptance: S Purpose: P1 Rev: P02



6690

SHEET 17

7070

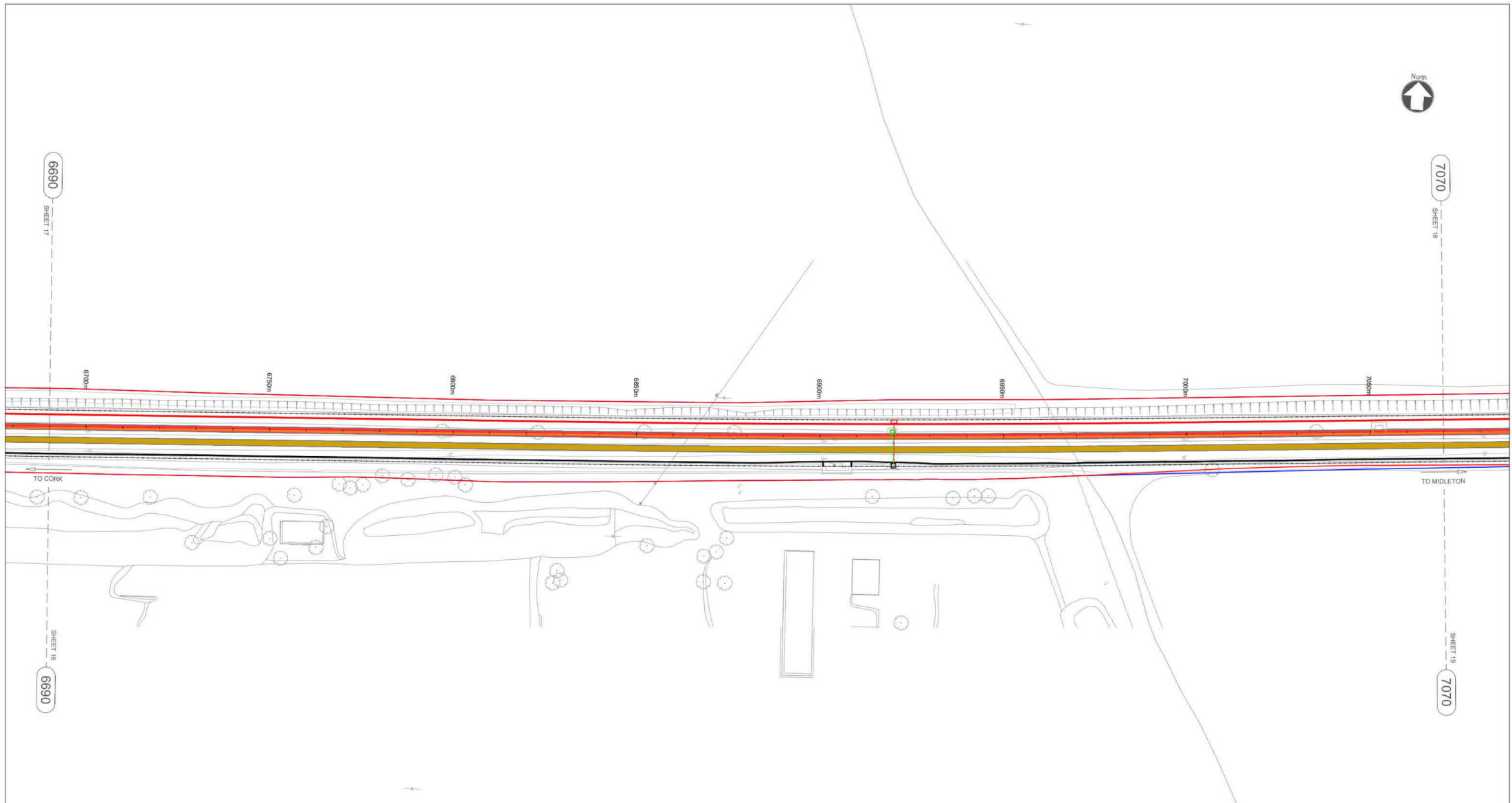
SHEET 18

6690

SHEET 18

7070

SHEET 19



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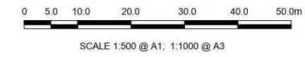
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CABLE WAYS LEGEND

- EXISTING CABLE TROUGH TO BE RETAINED
- EXISTING CABLE TROUGH TO BE REMOVED
- PROPOSED CABLE TROUGH
- - - EXISTING CABLE DUCTS TO BE RETAINED
- - - EXISTING CABLE DUCTS TO BE REMOVED
- - - PROPOSED CABLE DUCTS
- EXISTING CABLE CHAMBERS TO BE RETAINED
- EXISTING CABLE CHAMBERS TO BE REMOVED
- PROPOSED CABLE CHAMBERS
- - - PROPOSED SIGNALLING AND OCS ZONE
- RUNNING LINES
- EXISTING TRACK SLUICED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- TRACKWORK TO BE REMOVED
- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

STRUCTURES LEGEND

- EXISTING OVERBRIDGE
- OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- UNDERBRIDGE TO BE EXTENDED/WIDENED



Rev	Date	Drawn	Eng. Check	Appr	Description
P01	13/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
23/09/22	IMANGOUROV	R.OCONNOR	G.BERCOT	N.SAMACHETTY

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Project Title **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title **CABLE WAYS LAYOUT
CH6690 TO CH7070**

Drawing File Name **C745-WP3 03-XX-XX-XXX-DR-MMD-EE-0018**

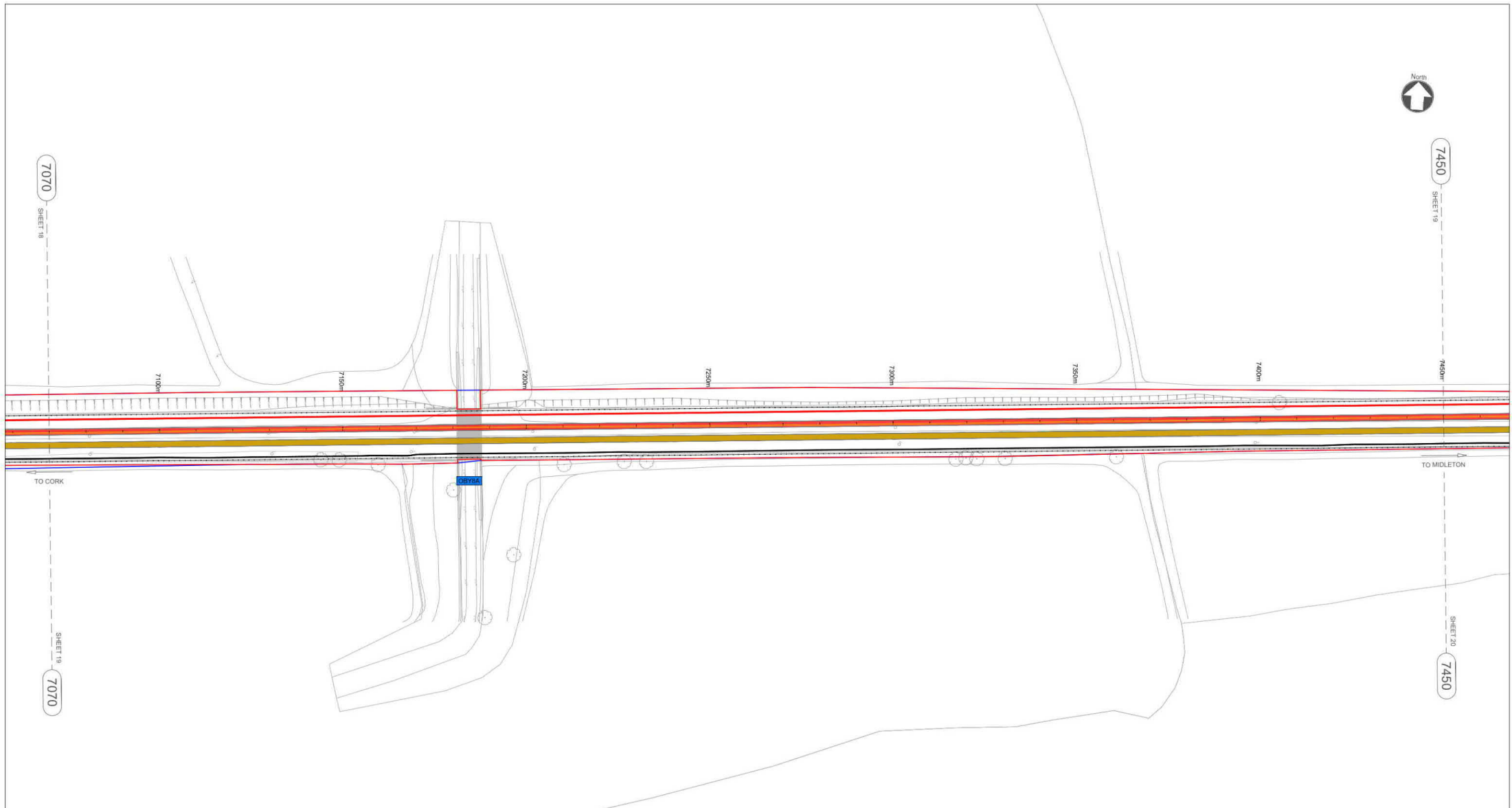
Coordination Approved Scale @A1: 1:500 Scale @A3: 1:1000 Acceptance Purpose P1 Rev P02

18 Sheet of 28

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C:\Users\jgibson\OneDrive\Work\Projects\Iarnród\mmd-ee-0018\03-xx-xx-xxx-dr-mmd-ee-0018.dwg Oct 2, 2022 - 1:24PM gal38299

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CABLE WAYS LEGEND

- EXISTING CABLE TROUGH TO BE RETAINED
- EXISTING CABLE TROUGH TO BE REMOVED
- PROPOSED CABLE TROUGH
- EXISTING CABLE DUCTS TO BE RETAINED
- EXISTING CABLE DUCTS TO BE REMOVED
- PROPOSED CABLE DUCTS
- EXISTING CABLE CHAMBERS TO BE RETAINED
- EXISTING CABLE CHAMBERS TO BE REMOVED
- PROPOSED CABLE CHAMBERS
- PROPOSED SIGNALLING AND OCS ZONE
- RUNNING LINES
- EXISTING TRACK SLUICED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- TRACKWORK TO BE REMOVED
- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

STRUCTURES LEGEND

- EXISTING OVERBRIDGE
- OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
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Project Title **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title **CABLE WAYS LAYOUT
CH7070 TO CH7450**

Drawing File Name C745-WP3	03-XX-XX-XXX-DR-MMD-EE-0019	19	Sheet of 28
Coordination	Approved	Scale @A1: 1:500 Scale @A3: 1:1000	Acceptance S
		Purpose P1	Rev P02



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CABLE WAYS LEGEND

- EXISTING CABLE TROUGH TO BE RETAINED
- EXISTING CABLE TROUGH TO BE REMOVED
- PROPOSED CABLE TROUGH
- EXISTING CABLE DUCTS TO BE RETAINED
- EXISTING CABLE DUCTS TO BE REMOVED
- PROPOSED CABLE DUCTS
- EXISTING CABLE CHAMBERS TO BE RETAINED
- EXISTING CABLE CHAMBERS TO BE REMOVED
- PROPOSED CABLE CHAMBERS
- PROPOSED SIGNALLING AND OCS ZONE
- RUNNING LINES
- EXISTING TRACK SLUICED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- TRACKWORK TO BE REMOVED
- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

STRUCTURES LEGEND

- EXISTING OVERBRIDGE
- OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
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Project Title **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title **CABLE WAYS LAYOUT
CH7450 TO CH7830**

Drawing File Name **C745-WP3** 03-XX-XX-XXX-DR-MMD-EE-0020

Coordination Approved Scale @A1: 1:500 Scale @A3: 1:1000 Acceptance Purpose P1 Rev P02

20 Sheet of 28



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CABLE WAYS LEGEND

- EXISTING CABLE TROUGH TO BE RETAINED
- EXISTING CABLE TROUGH TO BE REMOVED
- PROPOSED CABLE TROUGH
- EXISTING CABLE DUCTS TO BE RETAINED
- EXISTING CABLE DUCTS TO BE REMOVED
- PROPOSED CABLE DUCTS
- EXISTING CABLE CHAMBERS TO BE RETAINED
- EXISTING CABLE CHAMBERS TO BE REMOVED
- PROPOSED CABLE CHAMBERS
- PROPOSED SIGNALLING AND OCS ZONE
- RUNNING LINES
- EXISTING TRACK SLUICED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- TRACKWORK TO BE REMOVED
- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

STRUCTURES LEGEND

- EXISTING OVERBRIDGE
- OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- UNDERBRIDGE TO BE EXTENDED/WIDENED

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
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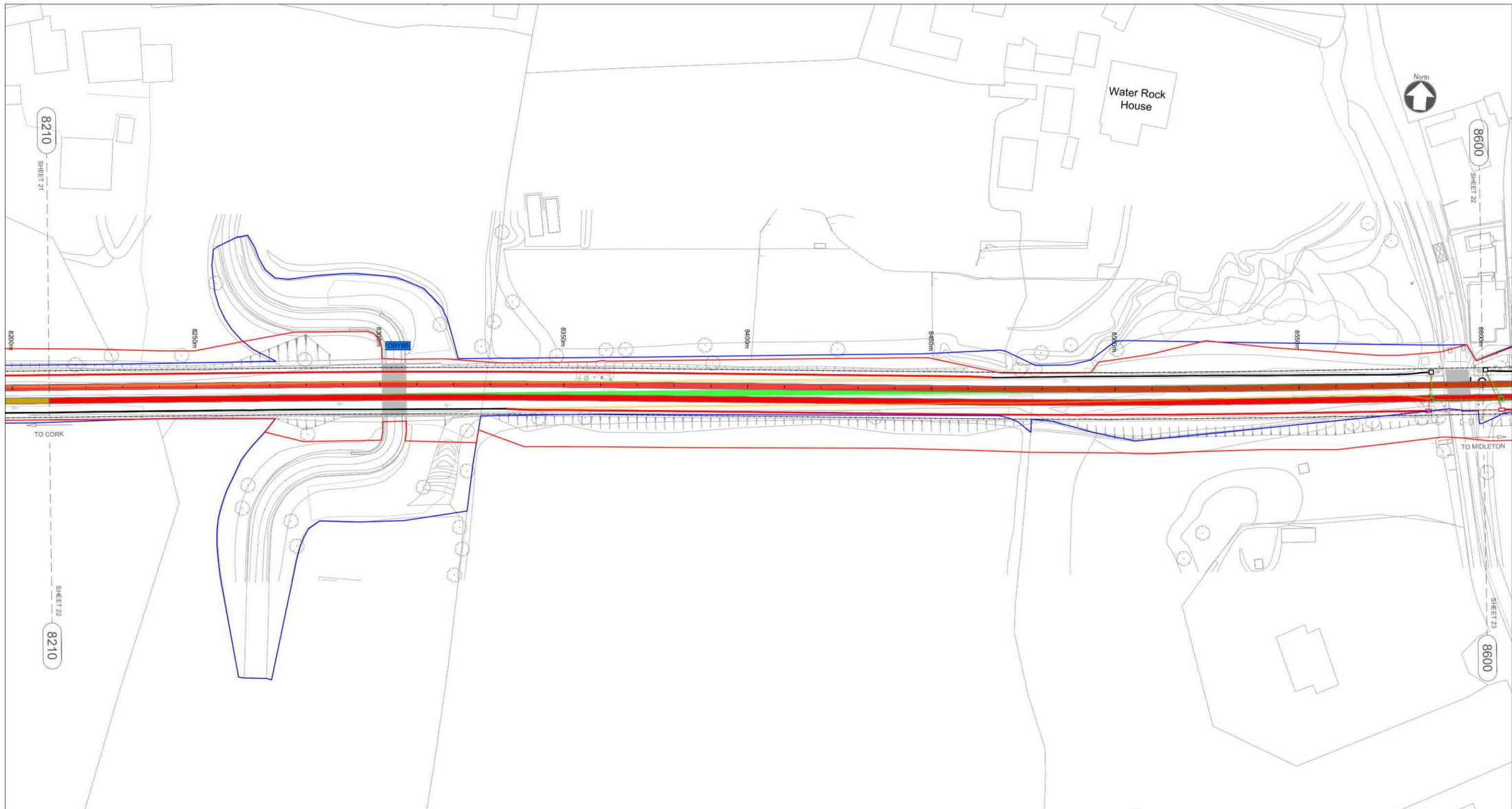
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Project Title **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title **CABLE WAYS LAYOUT
CH7830 TO CH8210**

Drawing File Name **C745-WP3 03-XX-XX-XXX-DR-MMD-EE-0021** 21 Sheet of 28

Coordination	Approved	Scale @A1: 1:500	Acceptance	Purpose	Rev
---	---	Scale @A3: 1:1000	S	P1	P02



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CABLE WAYS LEGEND

- EXISTING CABLE TROUGH TO BE RETAINED
- EXISTING CABLE TROUGH TO BE REMOVED
- PROPOSED CABLE TROUGH
- EXISTING CABLE DUCTS TO BE RETAINED
- EXISTING CABLE DUCTS TO BE REMOVED
- PROPOSED CABLE DUCTS
- EXISTING CABLE CHAMBERS TO BE RETAINED
- EXISTING CABLE CHAMBERS TO BE REMOVED
- PROPOSED CABLE CHAMBERS
- PROPOSED SIGNALLING AND OCS ZONE
- RUNNING LINES
- EXISTING TRACK SLUICED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- TRACKWORK TO BE REMOVED
- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

STRUCTURES LEGEND

- EXISTING OVERBRIDGE
- OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

Scale: 1:500 @ A1; 1:1000 @ A3

Date	Designed	Drawn	Dwg check	Eng check
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Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: CABLE WAYS LAYOUT
CH8210 TO CH8600

Drawing File Name: C745-WP3
03-XX-XX-XXX-DR-MMD-EE-0022

22 of 28

Scale @A1: 1:500
Scale @A3: 1:1000

Coordination: Approved
Acceptance: S
Purpose: P1
Rev: P02



NOTES

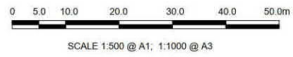
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CABLE WAYS LEGEND	
	EXISTING CABLE TROUGH TO BE RETAINED
	EXISTING CABLE TROUGH TO BE REMOVED
	PROPOSED CABLE TROUGH
	EXISTING CABLE DUCTS TO BE RETAINED
	EXISTING CABLE DUCTS TO BE REMOVED
	PROPOSED CABLE DUCTS
	EXISTING CABLE CHAMBERS TO BE RETAINED
	EXISTING CABLE CHAMBERS TO BE REMOVED
	PROPOSED CABLE CHAMBERS
	PROPOSED SIGNALLING AND OCS ZONE
	RUNNING LINES
	EXISTING TRACK SLUICED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND	
	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
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Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: CABLE WAYS LAYOUT
CH8600 TO CH8980

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-EE-0023

23 Sheet of 28

Coordination: Approved Scale @A1: 1:500 Scale @A3: 1:1000 Acceptance: S Purpose: P1 Rev: P02

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CABLE WAYS LEGEND

- EXISTING CABLE TROUGH TO BE RETAINED
- EXISTING CABLE TROUGH TO BE REMOVED
- PROPOSED CABLE TROUGH
- EXISTING CABLE DUCTS TO BE RETAINED
- EXISTING CABLE DUCTS TO BE REMOVED
- PROPOSED CABLE DUCTS
- EXISTING CABLE CHAMBERS TO BE RETAINED
- EXISTING CABLE CHAMBERS TO BE REMOVED
- PROPOSED CABLE CHAMBERS
- PROPOSED SIGNALLING AND OCS ZONE
- RUNNING LINES
- EXISTING TRACK SLUICED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- TRACKWORK TO BE REMOVED
- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

STRUCTURES LEGEND

- EXISTING OVERBRIDGE
- OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- UNDERBRIDGE TO BE EXTENDED/WIDENED

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

Rev	Date	Drawn	Eng. Check	Appr	Description
P01	13/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
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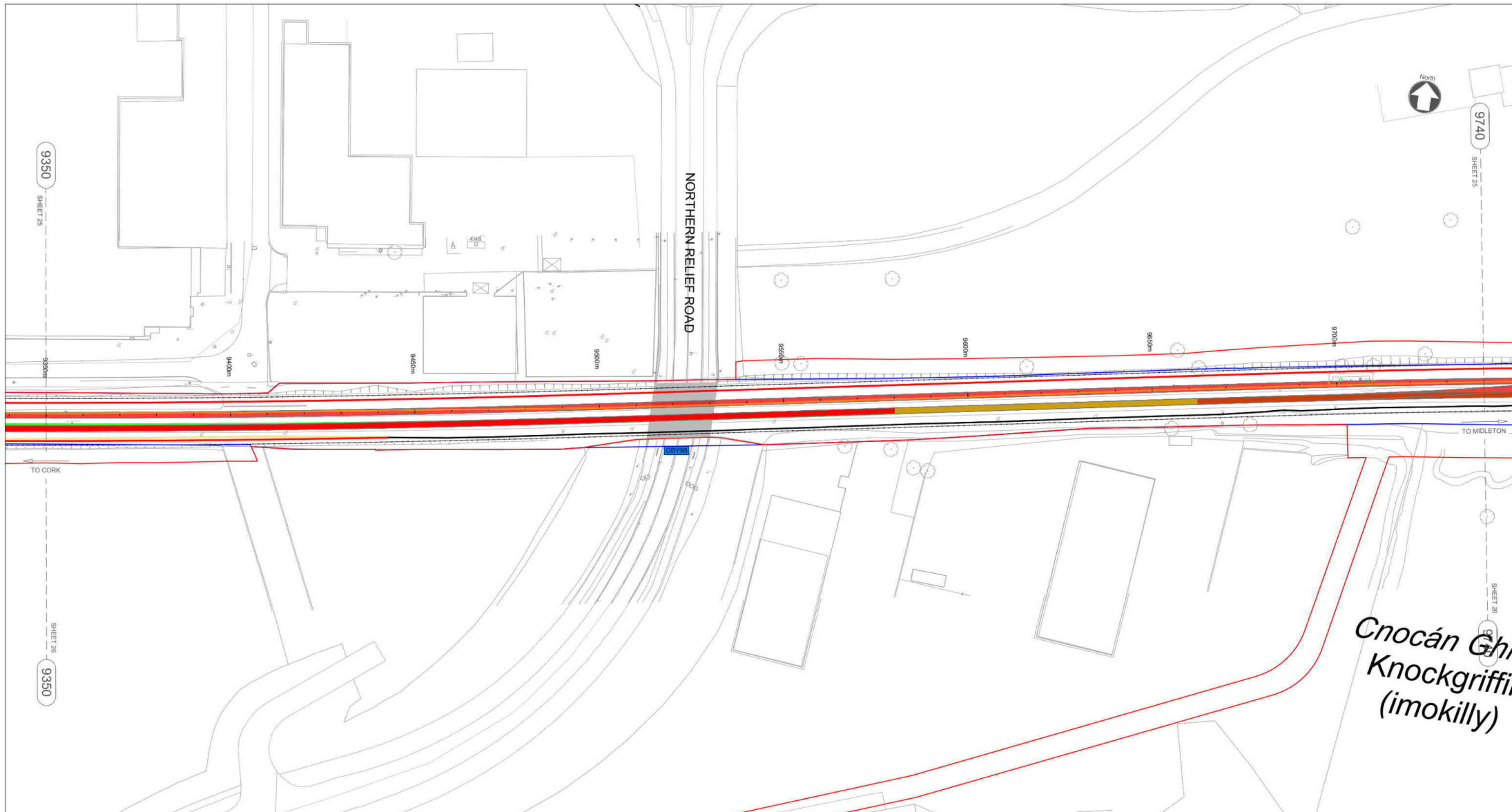
Client **Iarnród Éireann-Irish Rail**
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Dublin 1
D01 V6V6

Project Title **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title **CABLE WAYS LAYOUT
CH8980 TO CH9350**

Drawing File Name **C745-WP3 03-XX-XX-XXX-DR-MMD-EE-0024** 24 Sheet of 28

Coordination	Approved	Scale @A1: 1:500	Acceptance	Purpose	Rev
---	---	Scale @A3: 1:1000	S	P1	P02



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CABLE WAYS LEGEND

- EXISTING CABLE TROUGH TO BE RETAINED
- EXISTING CABLE TROUGH TO BE REMOVED
- PROPOSED CABLE TROUGH
- EXISTING CABLE DUCTS TO BE RETAINED
- EXISTING CABLE DUCTS TO BE REMOVED
- PROPOSED CABLE DUCTS
- EXISTING CABLE CHAMBERS TO BE RETAINED
- EXISTING CABLE CHAMBERS TO BE REMOVED
- PROPOSED CABLE CHAMBERS
- PROPOSED SIGNALLING AND OCS ZONE
- RUNNING LINES
- EXISTING TRACK SLUICED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
- TRACKWORK TO BE REMOVED
- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

STRUCTURES LEGEND

- EXISTING OVERBRIDGE
- OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
23/09/22	IMANGOUROV	R.O'CONNOR	G.BERCOT	N.SAMACHETTY

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Connolly Station
Amiens Street
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D01 V6V6

Iarnród Éireann Irish Rail

CIE

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

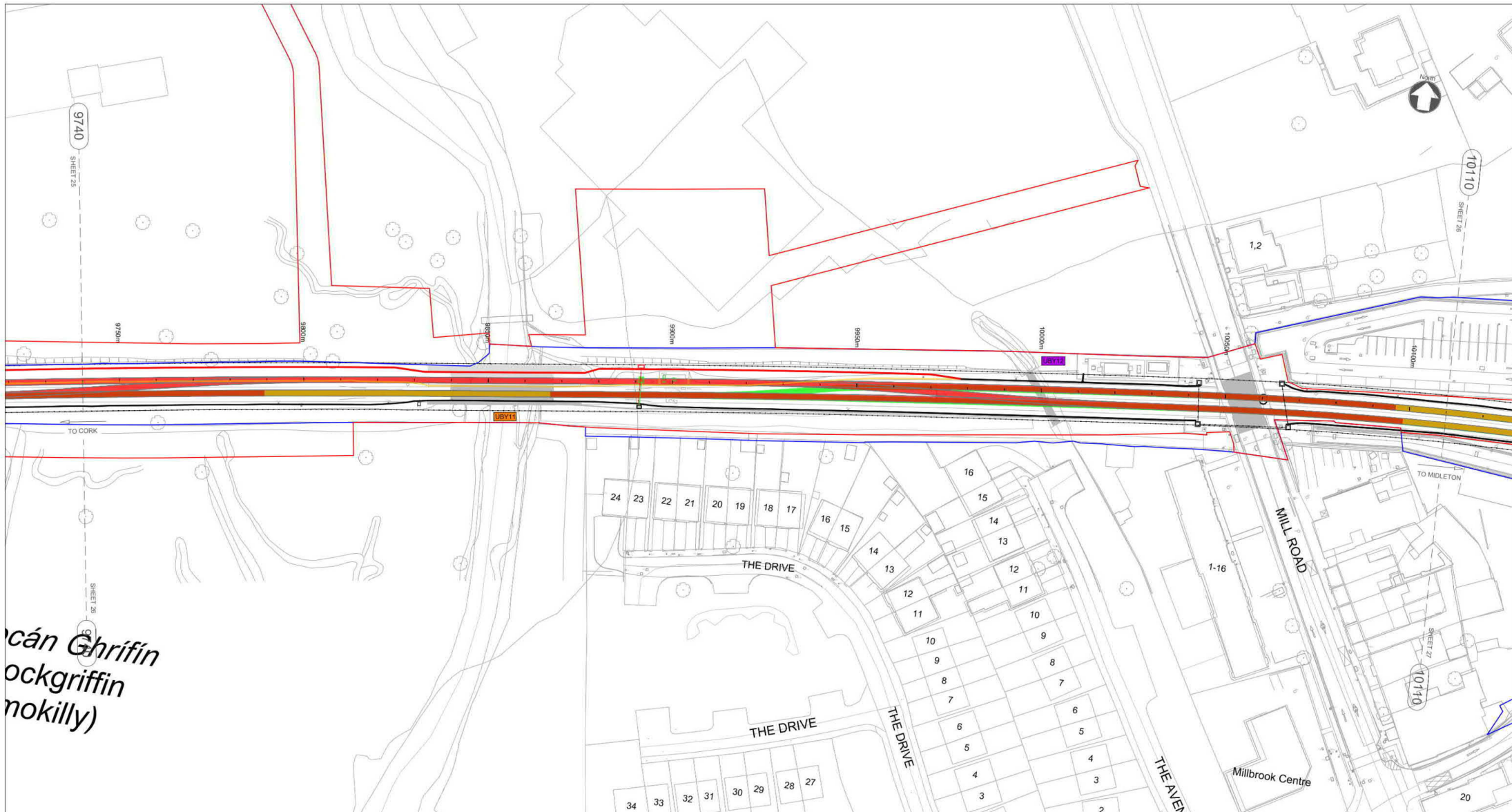
Drawing Title: CABLE WAYS LAYOUT
CH9350 TO CH9740

Drawing File Name: C745-WP3
03-XX-XX-XXX-DR-MMD-EE-0025

25 Sheet of 28

Scale @A1: 1:500
Scale @A3: 1:1000

Acceptance: S
Purpose: P1
Rev: P02



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CABLE WAYS LEGEND

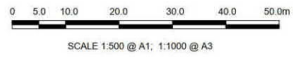
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	PROPOSED CABLE DUCTS
	EXISTING CABLE CHAMBERS TO BE RETAINED
	EXISTING CABLE CHAMBERS TO BE REMOVED
	PROPOSED CABLE CHAMBERS
	PROPOSED SIGNALLING AND OCS ZONE
	RUNNING LINES
	EXISTING TRACK SLUICED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND

	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	IM	JM	JM	Preliminary Design for Public Consultation
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
23/09/22	IMANGOUROV	R.OCONNOR	G.BERCOT	N.SAMACHETTY



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Iarnród Éireann Irish Rail Client: Iarnród Éireann-Irish Rail, Connolly Station, Amiens Street, Dublin 1, D01 V6V6.

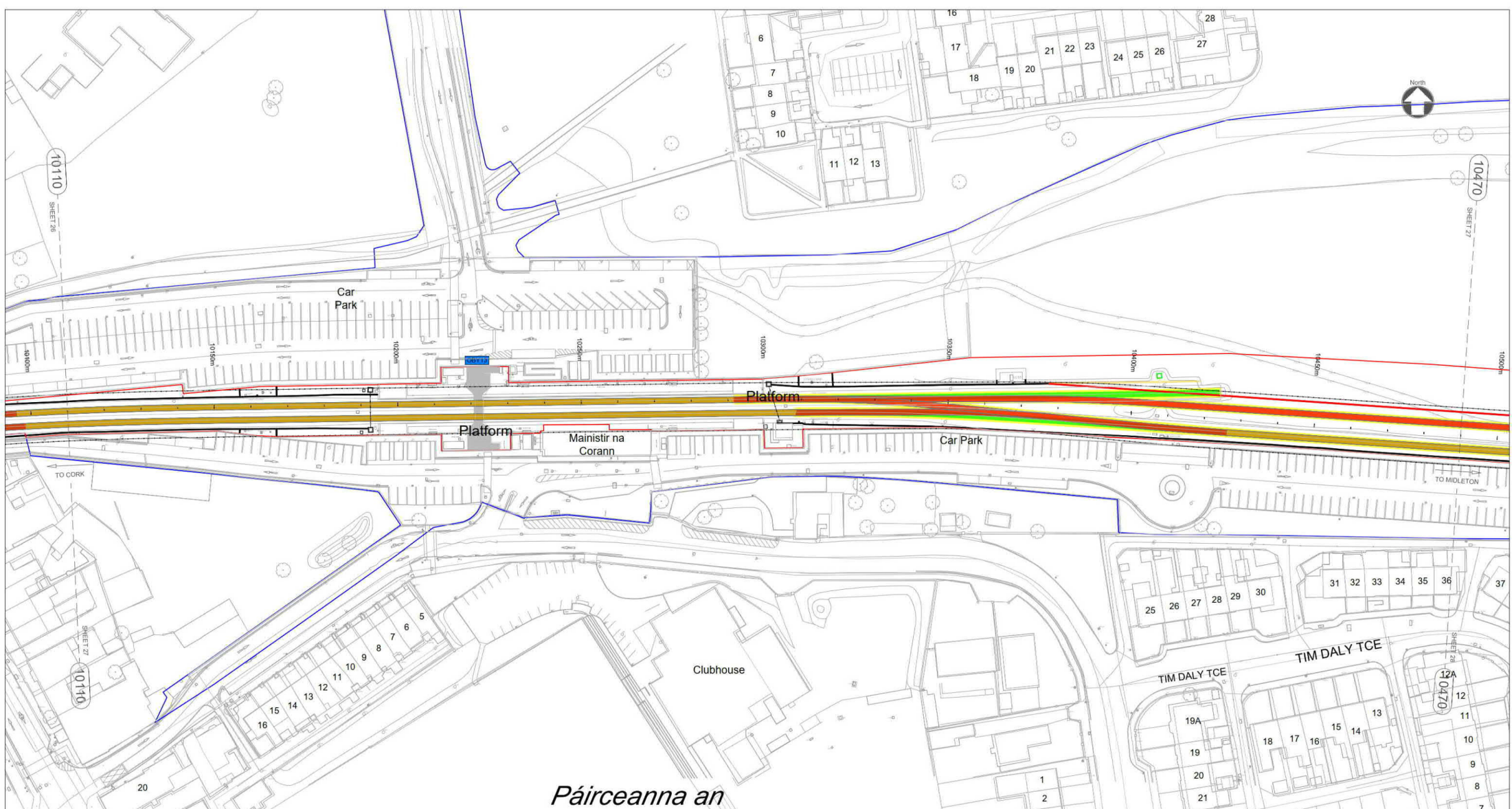
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Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: CABLE WAYS LAYOUT CH9740 TO CH10110

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-EE-0026 26 of 28

Coordination	Approved	Scale @A1: 1:500	Acceptance	Purpose	Rev
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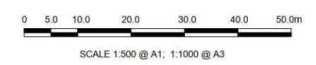
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CABLE WAYS LEGEND

- EXISTING CABLE TROUGH TO BE RETAINED
- EXISTING CABLE TROUGH TO BE REMOVED
- PROPOSED CABLE TROUGH
- EXISTING CABLE DUCTS TO BE RETAINED
- EXISTING CABLE DUCTS TO BE REMOVED
- PROPOSED CABLE DUCTS
- EXISTING CABLE CHAMBERS TO BE RETAINED
- EXISTING CABLE CHAMBERS TO BE REMOVED
- PROPOSED CABLE CHAMBERS
- PROPOSED SIGNALLING AND OCS ZONE
- RUNNING LINES
- EXISTING TRACK SLUICED OR MODIFIED
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- PROPOSED TRACKWORK
- TRACKWORK TO BE REMOVED
- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

STRUCTURES LEGEND

- EXISTING OVERBRIDGE
- OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- UNDERBRIDGE TO BE EXTENDED/WIDENED



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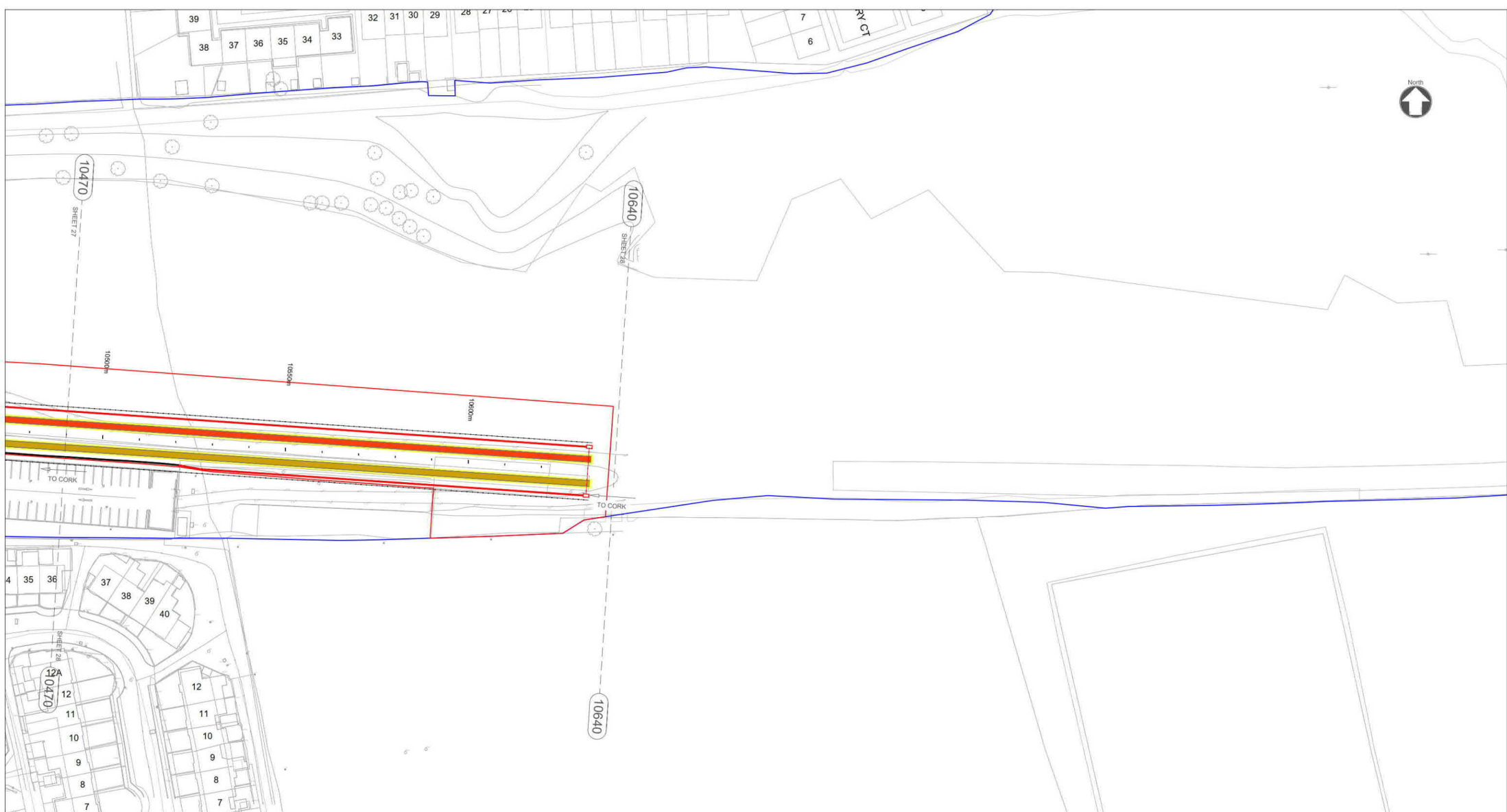
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Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: CABLE WAYS LAYOUT
CH10110 TO CH10470

Date	23/09/22	Designed	IMANGOUROV	Drawn	R.O'CONNOR	Dwg check	G.BERCOT	Eng check	N.SAMAGHETTY
Rev		Date		Drawn		Eng Check			
P01	13/06/22	IM	JM	JM	Preliminary Design for Public Consultation				
P02	23/09/22	RO	NS	---	PHASE 3: PRELIMINARY DESIGN				

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-EE-0027 27 Sheet of 28
 Coordination: Approved Scale @A1: 1:500 Acceptance Purpose P1 Rev P02
 Scale @A3: 1:1000



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CABLE WAYS LEGEND	
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	EXISTING CABLE TROUGH TO BE REMOVED
	PROPOSED CABLE TROUGH
	EXISTING CABLE DUCTS TO BE RETAINED
	EXISTING CABLE DUCTS TO BE REMOVED
	PROPOSED CABLE DUCTS
	EXISTING CABLE CHAMBERS TO BE RETAINED
	EXISTING CABLE CHAMBERS TO BE REMOVED
	PROPOSED CABLE CHAMBERS
	PROPOSED SIGNALLING AND OCS ZONE
	RUNNING LINES
	EXISTING TRACK SLUICED OR MODIFIED
	SIDINGS
	PROPOSED TRACKWORK
	TRACKWORK TO BE REMOVED
	DEVELOPMENT BOUNDARY
	CIE LAND OWNERSHIP

STRUCTURES LEGEND	
	EXISTING OVERBRIDGE
	OVERBRIDGE TO BE DEMOLISHED
	EXISTING UNDERBRIDGE
	UNDERBRIDGE TO BE EXTENDED/WIDENED

<p>SCALE 1:500 @ A1; 1:1000 @ A3</p>																													
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Rev	Date	Drawn	Eng Check	Appr	Description																								
P01	13/06/22	IM	JM	JM	Preliminary Design for Public Consultation																								
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23/09/22	IMANGOUROV	R.OCONNOR	G.BERCOT	N.SAMACHETTY																									

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Iarnród Éireann Irish Rail

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

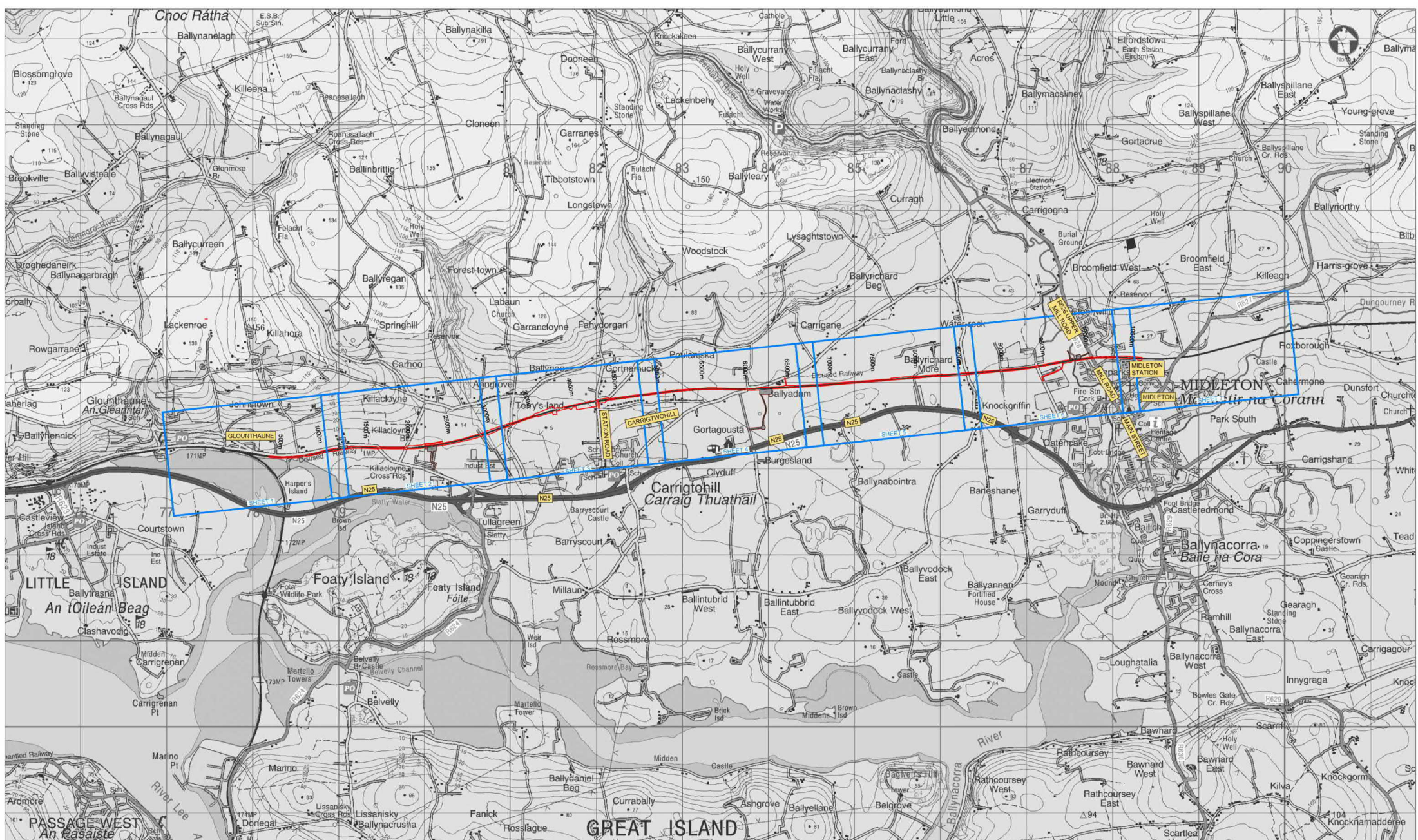
Drawing Title: CABLE WAYS LAYOUT
CH10470 TO CH10640

Drawing File Name: C745-WP3-03-XX-XX-XXX-DR-MMD-EE-0028

Sheet of 28

28 of 28

Coordination: Approved Scale @A1: 1:500 Scale @A3: 1:1000 Acceptance Purpose Rev
S P1 P02



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LEGEND

— DEVELOPMENT BOUNDARY

Reference Drawings

C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0002 Site Location Plan, Sheet 1
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0003 Site Location Plan, Sheet 2
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0004 Site Location Plan, Sheet 3
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0005 Site Location Plan, Sheet 4
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0006 Site Location Plan, Sheet 5
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0007 Site Location Plan, Sheet 6
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0008 Site Location Plan, Sheet 7

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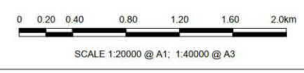
Rev	Date	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN	Description
P01	22/09/22					
Date	Designed	Drawn	Eng. Check	Drawn	Dwg check	Eng check
22/09/22	Mangurov	R.O'CONNOR	G.BERCOT	J.MCINERNEY	J.MCINERNEY	N.SAMACHETTY

Project Title
 CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDDLETON TWIN TRACK

Drawing Title
 SITE LOCATION MAP

Drawing File Name: C745-WP3
 Coordinates: N.SAMACHETTY
 Scale @A1: 1:20000
 Scale @A3: 1:40000

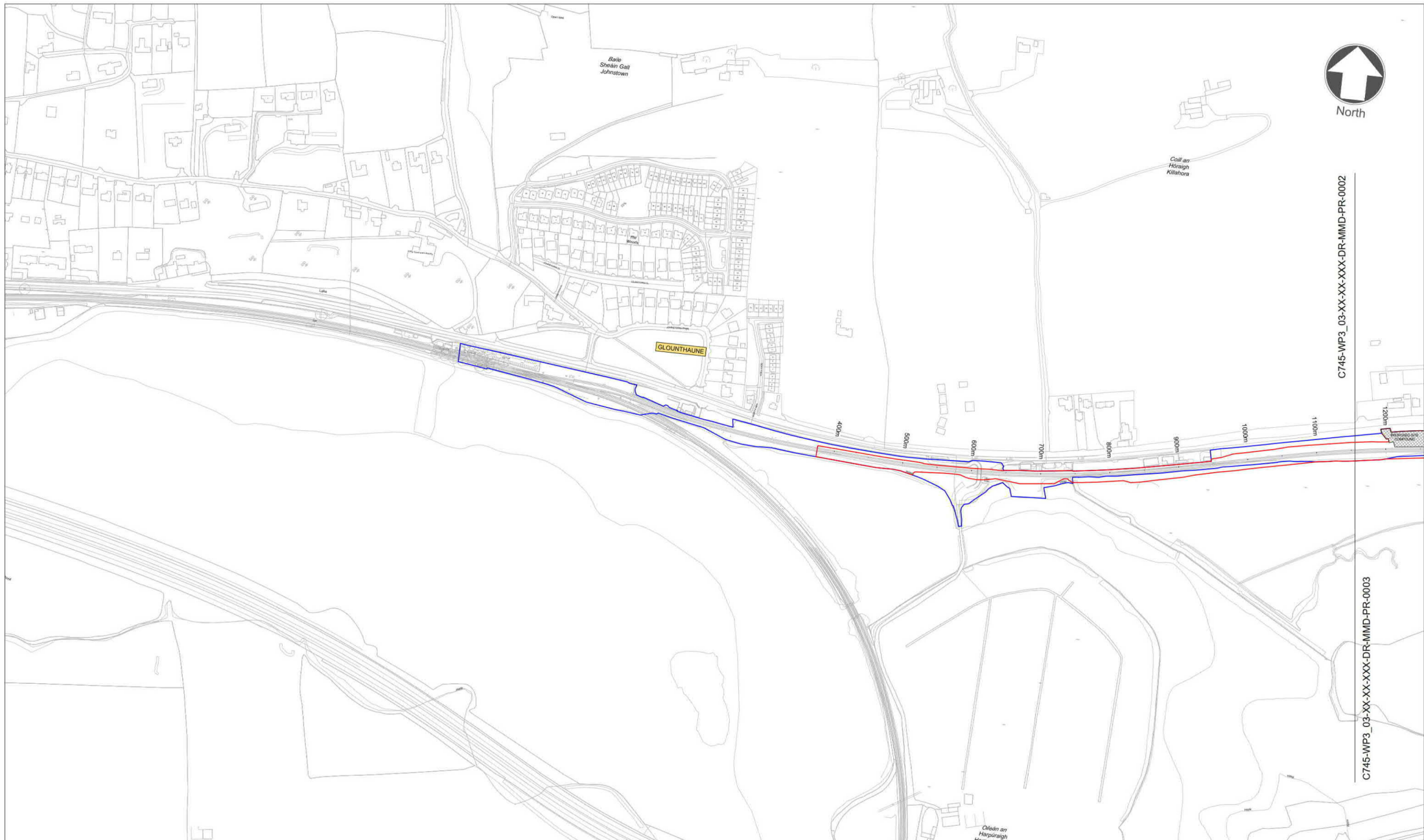
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 Purpose: P1
 Rev: P01





C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0002

C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0003



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LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

Reference Drawings

C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0001 Site Location Map
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0003 Site Location Plan, Sheet 2
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0004 Site Location Plan, Sheet 3
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0005 Site Location Plan, Sheet 4
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0006 Site Location Plan, Sheet 5
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0007 Site Location Plan, Sheet 6
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0008 Site Location Plan, Sheet 7

SCALE 1:2500 @ A1; 1:5000 @ A3

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Date	Designed	Drawn	Dwg check	Eng check	
22/09/22	I.Mangourou	R.O'CONNOR	G.BERCOT	N.SAMACHETTY	

Project Title
 CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDDLETON TWIN TRACK

Drawing Title
 SITE LOCATION PLAN

Drawing File Name
 C745-WP3

Coordinates
 N.SAMACHETTY

Approved
 J.MCINERNEY

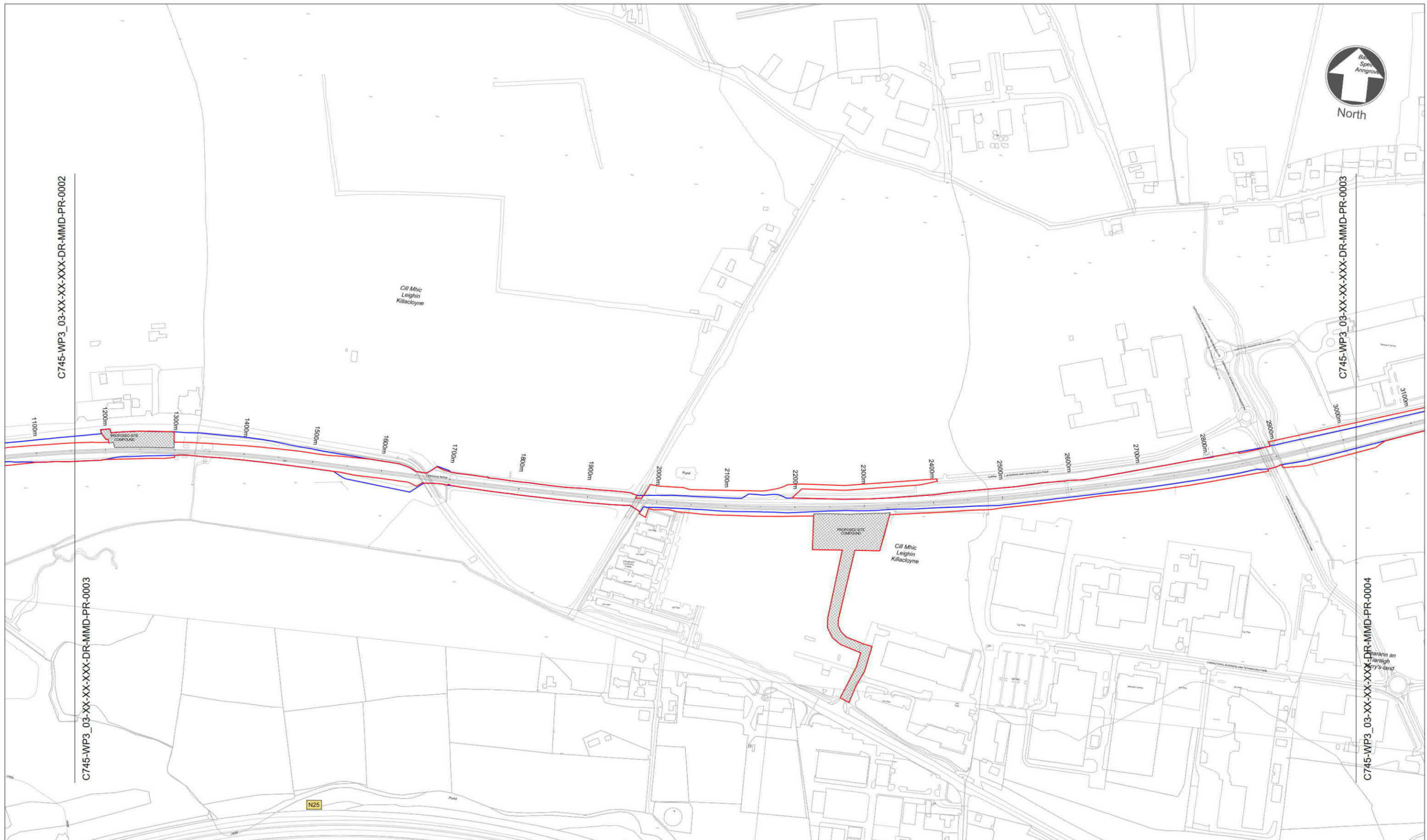
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Acceptance
 S

Purpose
 P1

Rev
 P01

Sheet of
 1 of 7



C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0002

C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0003

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LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

Reference Drawings

C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0001 Site Location Map
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0002 Site Location Plan, Sheet 1
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 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0005 Site Location Plan, Sheet 4
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0006 Site Location Plan, Sheet 5
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0007 Site Location Plan, Sheet 6
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0008 Site Location Plan, Sheet 7

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22/09/22	Designed	Drawn	Eng	Appr	
		R.O'CONNOR	G.BERCOT		

Project Title
 CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDDLETON TWIN TRACK

Drawing Title
 SITE LOCATION PLAN

Drawing File Name
 C745-WP3

Coordination
 N.SAMACHETTY

Approval
 J.MCINERNEY

Scale @A1
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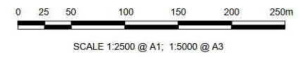
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Acceptance
 S

Purpose
 P1

Rev
 P01

Sheet
 2 of 7





North



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LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

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 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0003 Site Location Plan, Sheet 2
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0004 Site Location Plan, Sheet 3
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 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0008 Site Location Plan, Sheet 7

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Date	Designed	Drawn	Dwg check	Eng check	
	I.Mangourou	R.O'CONNOR	G.BERCOT	N.SAMACHETTY	

Project Title
 CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title
 SITE LOCATION PLAN

Drawing File Name
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0006

Coordination
 N.SAMACHETTY

Approval
 J.MCINERNEY

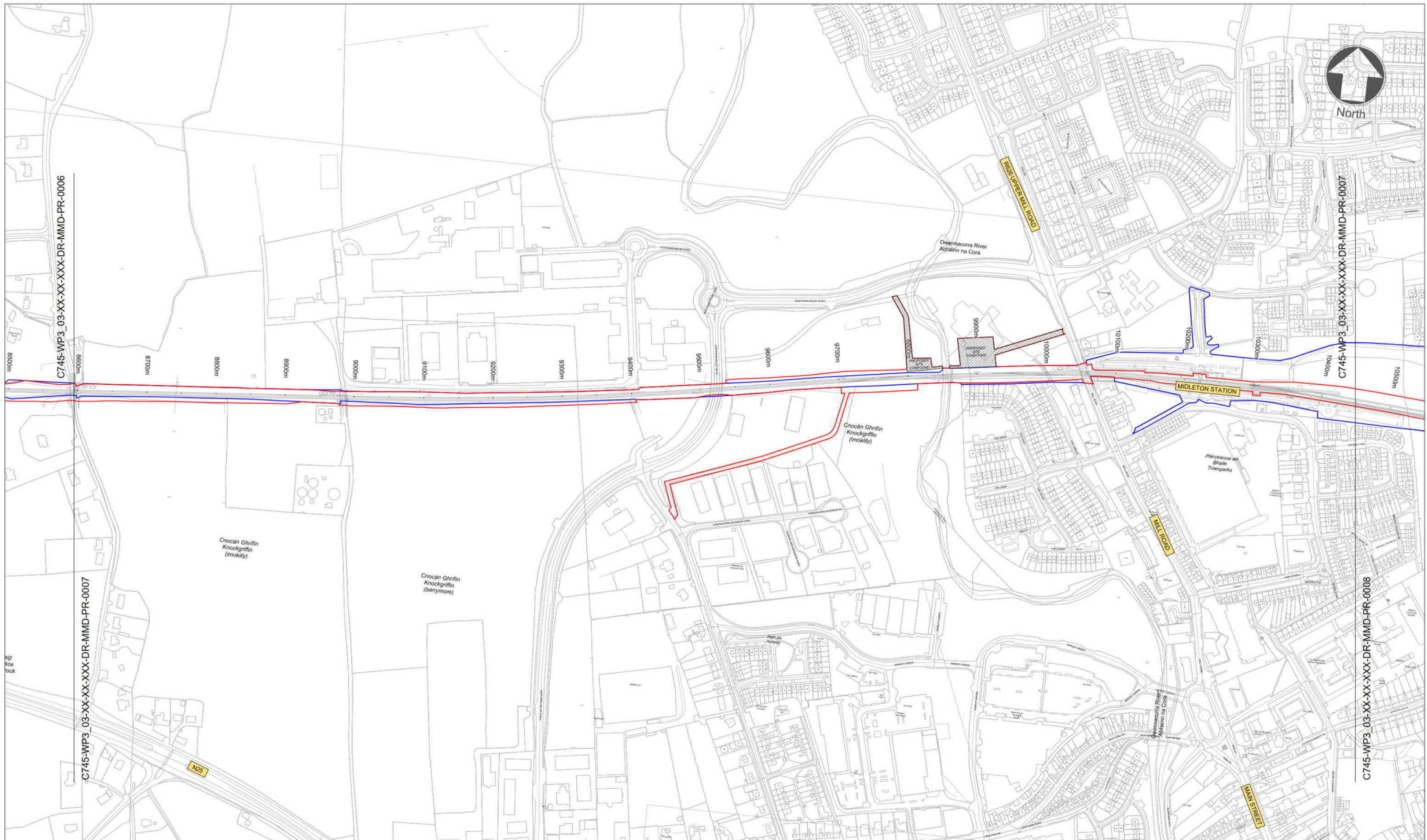
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Acceptance
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Purpose
 P1

Rev
 P01

5 Sheet of **7**



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LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP

Reference Drawings

C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0001 Site Location Map
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0002 Site Location Plan, Sheet 1
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0003 Site Location Plan, Sheet 2
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0004 Site Location Plan, Sheet 3
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0005 Site Location Plan, Sheet 4
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0006 Site Location Plan, Sheet 5
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0008 Site Location Plan, Sheet 7

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Rev	Date	Drawn	Eng Check	Appr	Description			
P01	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN			
22/09/22	Designed	L.Mangurao	Drawn	R.O'CONNOR	Eng check	G.BERCOT	Eng check	N.SAMACHETTY

Project Title
 CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MILETON TWIN TRACK

Drawing Title
 SITE LOCATION PLAN

Drawing File Name
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0007

Coordination
 N.SAMACHETTY

Approval
 J.MCINERNEY

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 1:2500

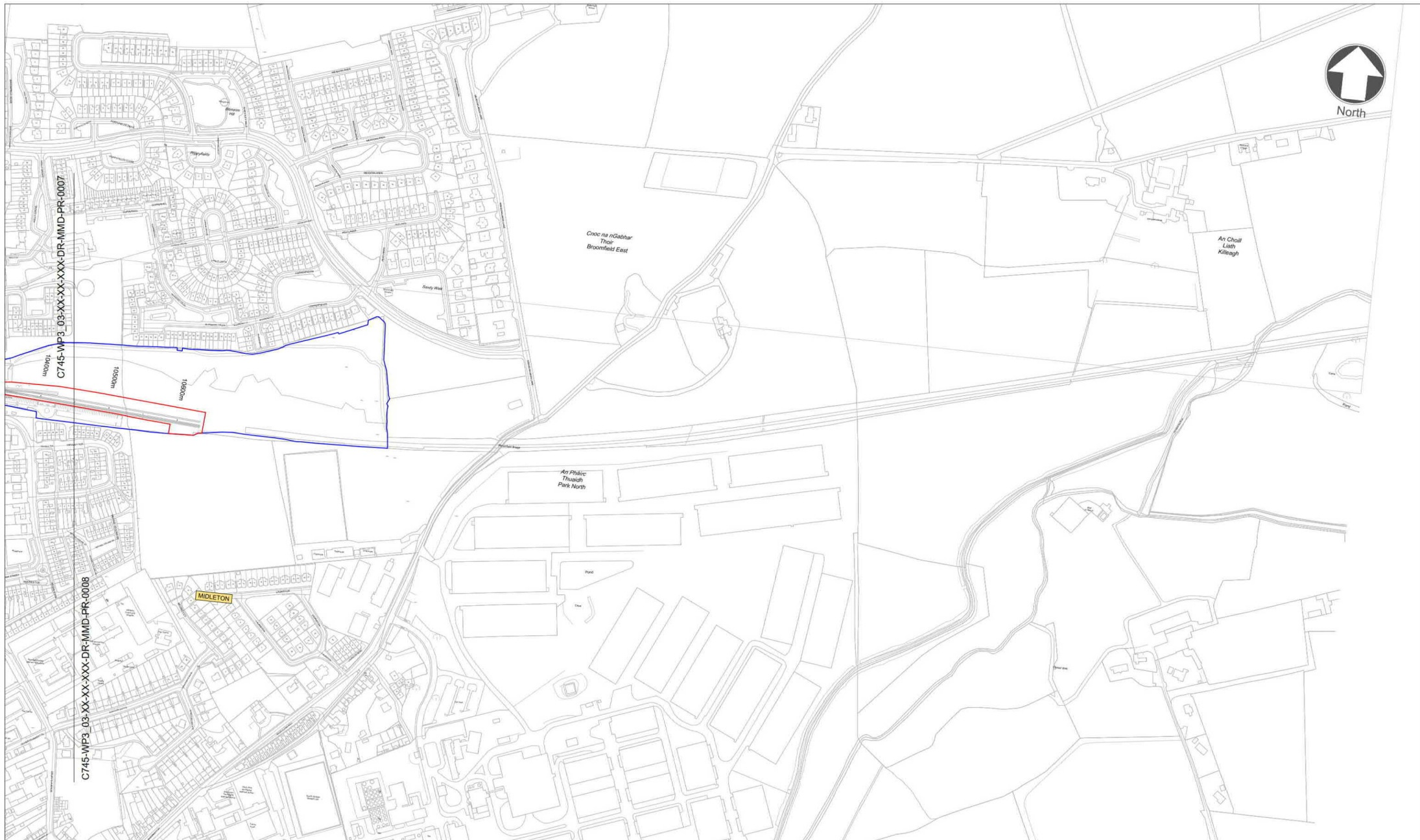
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Acceptance
 S

Purpose
 P1

Rev
 P01

Sheet of 7



C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0007

C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0008

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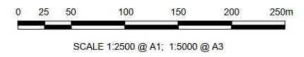
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- CIE LAND OWNERSHIP

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C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0001 Site Location Map
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0002 Site Location Plan, Sheet 1
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0003 Site Location Plan, Sheet 2
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0004 Site Location Plan, Sheet 3
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0005 Site Location Plan, Sheet 4
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0006 Site Location Plan, Sheet 5
 C745-WP3_03-XX-XX-XXX-DR-MMD-PR-0007 Site Location Plan, Sheet 6



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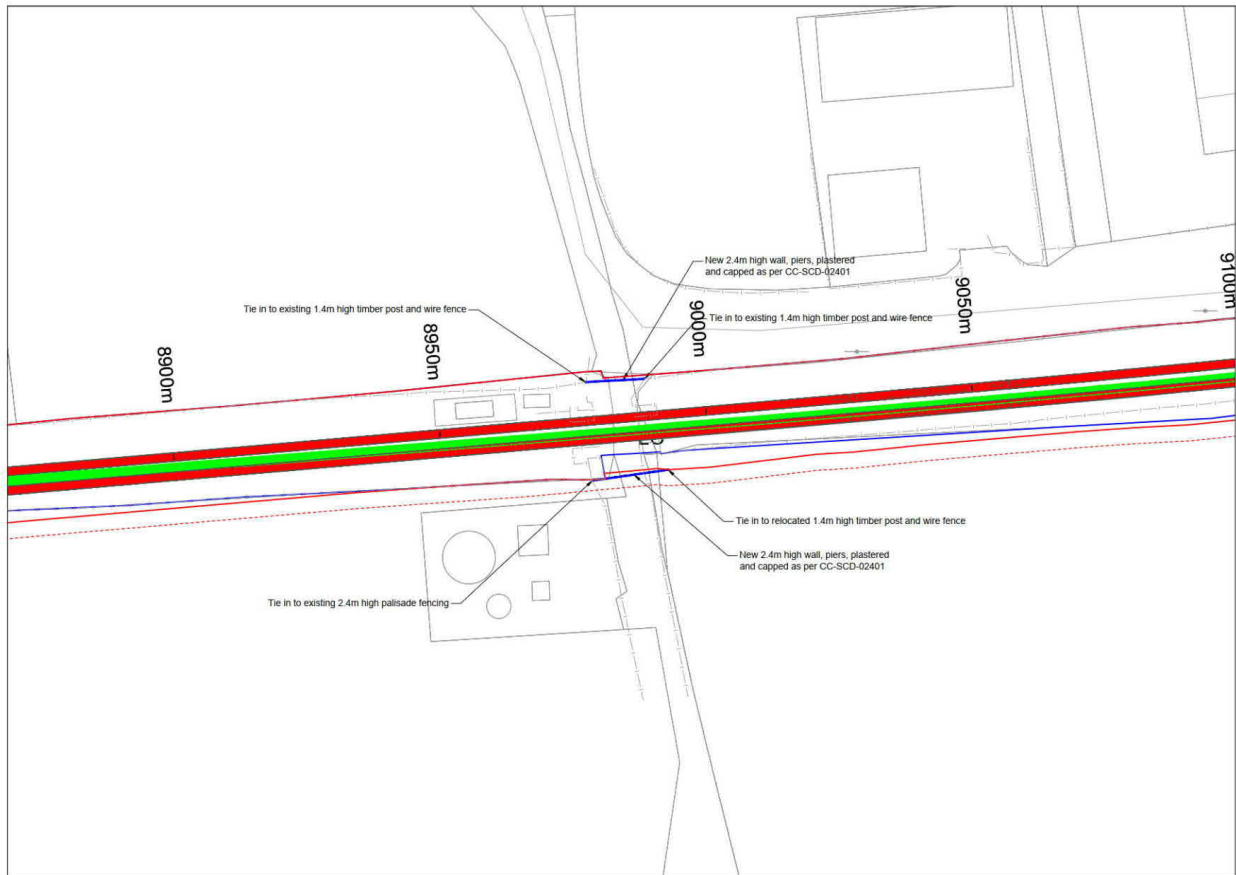


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Rev	Date	Drawn	Eng Check	Appr	Description				
P01	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN				
Date	22/09/22	Designed	J.Manguruv	Drawn	R.OCONNOR	Dwg check	G.BERCOT	Eng check	N.SAMACHETTY

Project Title	CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK		
Drawing Title	SITE LOCATION PLAN		
Drawing File Name	C745-WP3	03-XX-XX-XXX-DR-MMD-PR-0008	7 Sheet of 7
Coordination	N.SAMACHETTY	Approval	J.MCINERNEY
Scale @A1:	1:2500	Acceptance	S
Scale @A3:	1:5000	Purpose	P1
Rev	P01	Rev	P01



PLAN
Scale: 1:500

TABLE 1

WALL HT. (H) (mm)	X (mm)	Y (mm)	PIER CTRS. (mm)
UP TO 1200	700	225	NO PIERS
1200 TO 1800	700	225	2700
1800 TO 2500	800	250	2700

TABLE 2

FINISH TYPE
1 FAIRFACED
2 ROUGHCAST
3 HARPED PLASTER
4 TYROLENE

NOTES

- THIS SCD IS ONLY TO BE USED IN ASSOCIATION WITH A UNIQUE STRUCTURAL DESIGN CARRIED OUT FOR THE WALLS ON A PROJECT IN ACCORDANCE WITH RELEVANT DESIGN CODES FOR BLOCKWORK, MASONRY AND LOADING.
- BLOCKS TO COMPLY WITH I.S. E.N. 771-3.
- MORTAR TO COMPLY WITH I.S. E.N. 998.
- MASONRY TO COMPLY WITH I.S. E.N. 1996.
- FULL ADHESION OF BLOCKWORK TO MORTAR AT ALL INTERFACES.
- RENDERED FINISHES TO BE IN ACCORDANCE WITH I.S. E.N. 13914-1.
- PIERS AT ENDS AND CHANGES OF DIRECTION ENDS OF WALLS TO RETURN BY 1/3.
- MINIMUM ALLOWABLE BEARING CAPACITY OF FORMATION IS 25 kN/m² (UNIFORMLY DISTRIBUTED OR 60kN/m² (TRIANGULARLY DISTRIBUTED)).

ACTIVITY
CC Construction & Commissioning

PUBLICATION TITLE
WALLS
TYPICAL BLOCKWORK WALL

STANDARD CONSTRUCTION DETAILS (SCD)
RCD/2400/1

REGIONAL REFERENCE
STANDARD

DOCUMENTATION SET
STANDARD

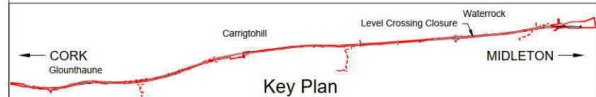
PUBLICATION DATE
NOVEMBER 2010

PUBLIC FORWARDS
CC | SCD | 02401

TYPICAL BLOCKWORK WALL/ CC-SCD-02401
Scale: NTS

LEGEND

- SITE BOUNDARY PERMANENT LAND TAKE
- SITE BOUNDARY TEMPORARY LAND TAKE
- CIE LAND OWNERSHIP
- EXISTING FENCING
- BLOCKWORK WALL
- PROPOSED TRACKWORK
- EXISTING TRACKWORK TO BE REMOVED



Rev	Date	Drawn	Eng Check	Appr	Description
P01	13/06/22	RT	NS	JM	Preliminary Design for Public Consultation
P02	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	R.Twar	R.O'CONNOR	G.BERCOT	N.SAMACHETTY

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Iarnród Éireann Irish Rail

Project Title CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title Decommissioned Level Crossing at Ch. 898
107.E.93

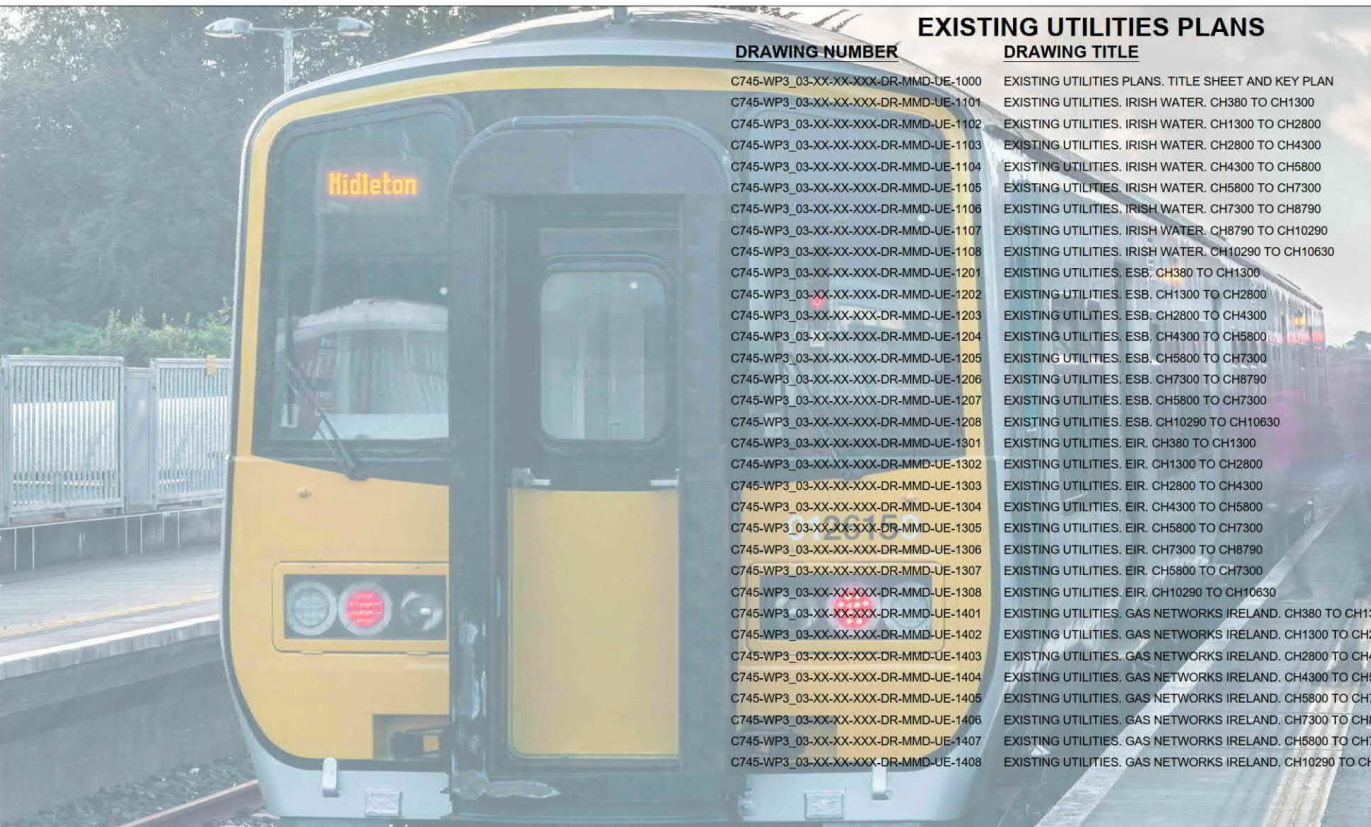
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Scale @A1: AS SHOWN
Acceptance @A3: AS SHOWN

Sheet 1 of 1
Rev P02

EXISTING UTILITIES PLANS

DRAWING NUMBER	DRAWING TITLE
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1000	EXISTING UTILITIES PLANS. TITLE SHEET AND KEY PLAN
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1101	EXISTING UTILITIES. IRISH WATER. CH380 TO CH1300
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1102	EXISTING UTILITIES. IRISH WATER. CH1300 TO CH2800
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1103	EXISTING UTILITIES. IRISH WATER. CH2800 TO CH4300
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1104	EXISTING UTILITIES. IRISH WATER. CH4300 TO CH5800
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1105	EXISTING UTILITIES. IRISH WATER. CH5800 TO CH7300
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1106	EXISTING UTILITIES. IRISH WATER. CH7300 TO CH8790
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1107	EXISTING UTILITIES. IRISH WATER. CH8790 TO CH10290
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1108	EXISTING UTILITIES. IRISH WATER. CH10290 TO CH10630
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1201	EXISTING UTILITIES. ESB. CH380 TO CH1300
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1202	EXISTING UTILITIES. ESB. CH1300 TO CH2800
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1203	EXISTING UTILITIES. ESB. CH2800 TO CH4300
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1204	EXISTING UTILITIES. ESB. CH4300 TO CH5800
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1205	EXISTING UTILITIES. ESB. CH5800 TO CH7300
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1206	EXISTING UTILITIES. ESB. CH7300 TO CH8790
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1207	EXISTING UTILITIES. ESB. CH8790 TO CH10290
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1208	EXISTING UTILITIES. ESB. CH10290 TO CH10630
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1301	EXISTING UTILITIES. EIR. CH380 TO CH1300
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1302	EXISTING UTILITIES. EIR. CH1300 TO CH2800
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1303	EXISTING UTILITIES. EIR. CH2800 TO CH4300
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1304	EXISTING UTILITIES. EIR. CH4300 TO CH5800
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1305	EXISTING UTILITIES. EIR. CH5800 TO CH7300
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1306	EXISTING UTILITIES. EIR. CH7300 TO CH8790
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1307	EXISTING UTILITIES. EIR. CH8790 TO CH10290
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1308	EXISTING UTILITIES. EIR. CH10290 TO CH10630
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1401	EXISTING UTILITIES. GAS NETWORKS IRELAND. CH380 TO CH1300
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1402	EXISTING UTILITIES. GAS NETWORKS IRELAND. CH1300 TO CH2800
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1403	EXISTING UTILITIES. GAS NETWORKS IRELAND. CH2800 TO CH4300
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C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1406	EXISTING UTILITIES. GAS NETWORKS IRELAND. CH7300 TO CH8790
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1407	EXISTING UTILITIES. GAS NETWORKS IRELAND. CH8790 TO CH10290
C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1408	EXISTING UTILITIES. GAS NETWORKS IRELAND. CH10290 TO CH10630



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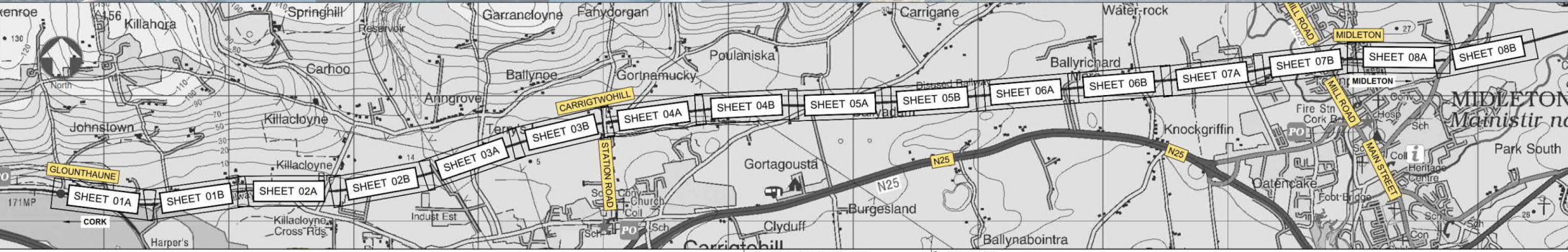
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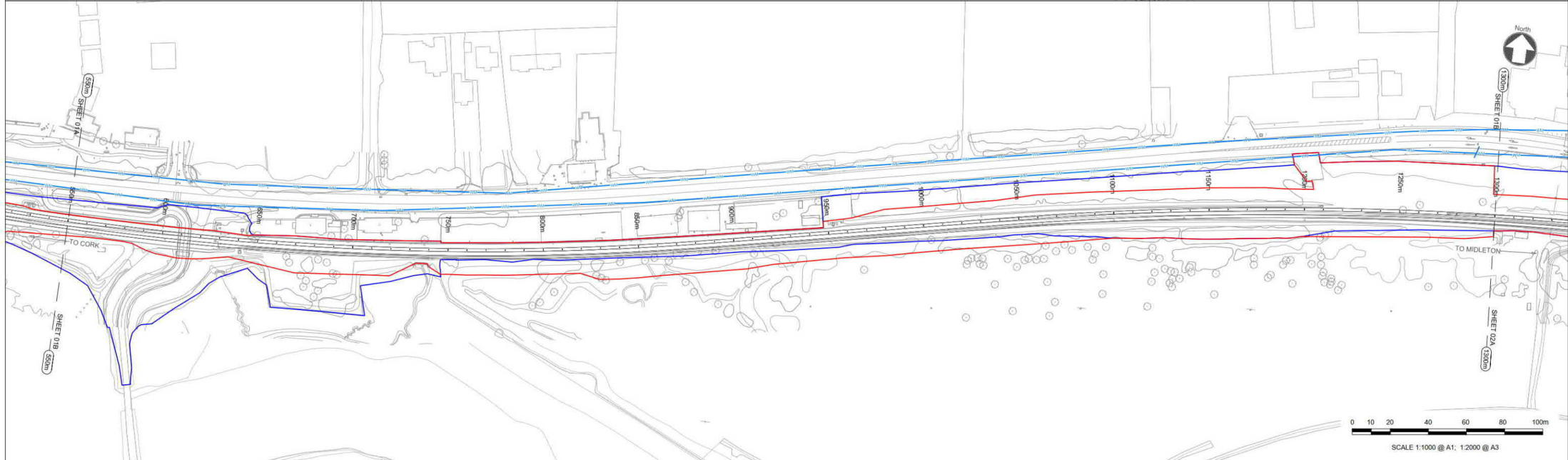


CGLOUNTHAUNE - MIDLETON TWIN TRACK PROJECT

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Client: Iarnród Éireann-Irish Rail Connolly Station Amiens Street Dublin 1 D01 VEVE		Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK																							
		Drawing Title: EXISTING UTILITIES PLANS TITLE SHEET AND KEY PLAN																							
5 Eastgate Avenue Eastgate Little Island Cork Ireland T +353 (0) 21 4809800 F +353 (0) 21 4809801 W www.mottmac.com		Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-UE-1000 Coordinates: N.SAMACHETTY Approved: J.MCINERNEY Scale @A1: NTS Scale @A3: NTS																							
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22/09/22	I.Mangorov	R.O'CONNOR	G.BERCOT	N.SAMACHETTY																					
1 of 1		Sheet of 1 Purpose: P1 Acceptance: S Rev: P01																							

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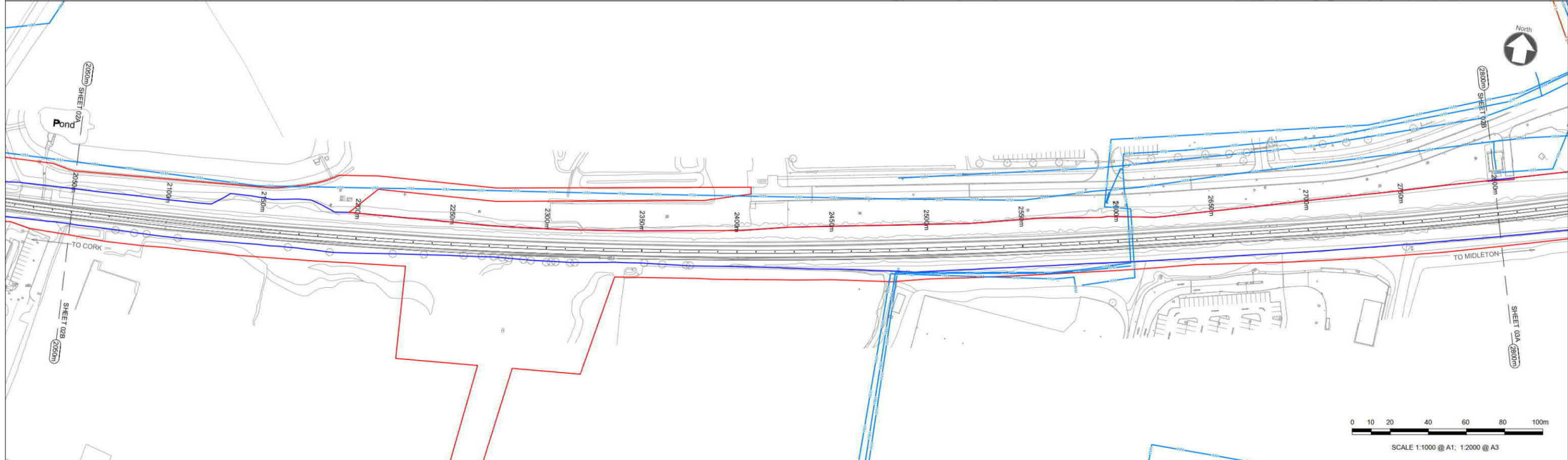
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P01	14/04/22	RO	NS		First Issue
P02	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P03	22/09/22	RO	NS		PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	R.O'CONNOR	R.O'CONNOR	G.BERCOT	N.SAMACHETTY

Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title		EXISTING UTILITIES IRISH WATER CH380 TO CH1300	
Drawing File Name		C745-WP3 03-XX-XX-XX-DR-MMD-UE-1101	
Coordination	Approved	Scale @A1: 1:1000 Scale @A3: 1:2000	Acceptance S
1 Sheet of 8		1 Rev	
Purpose P1		Rev P03	



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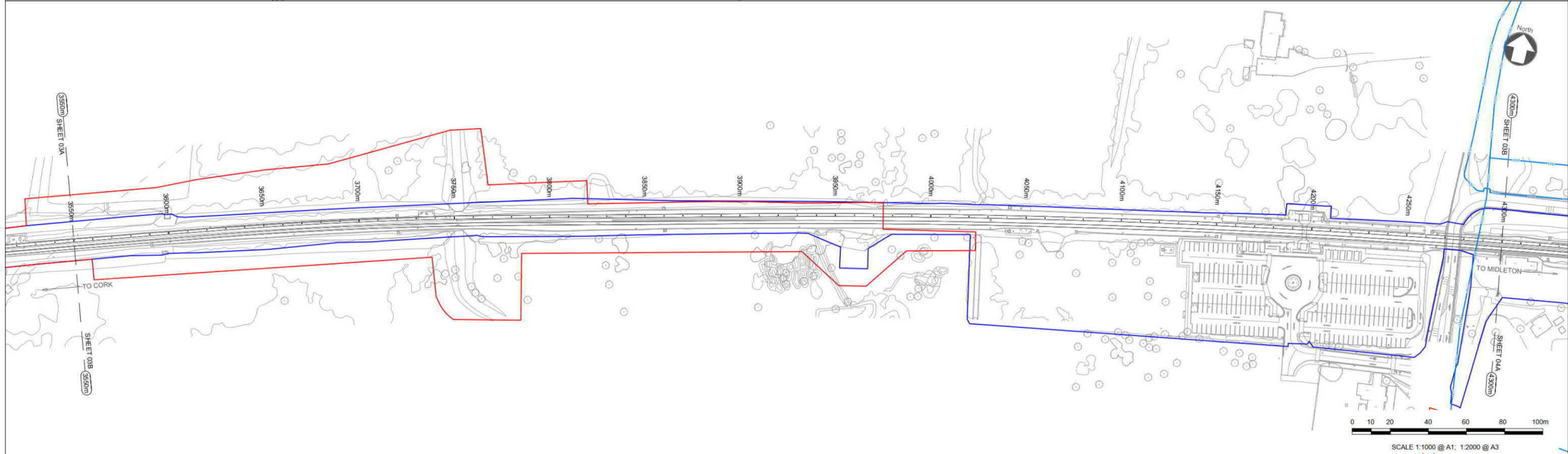
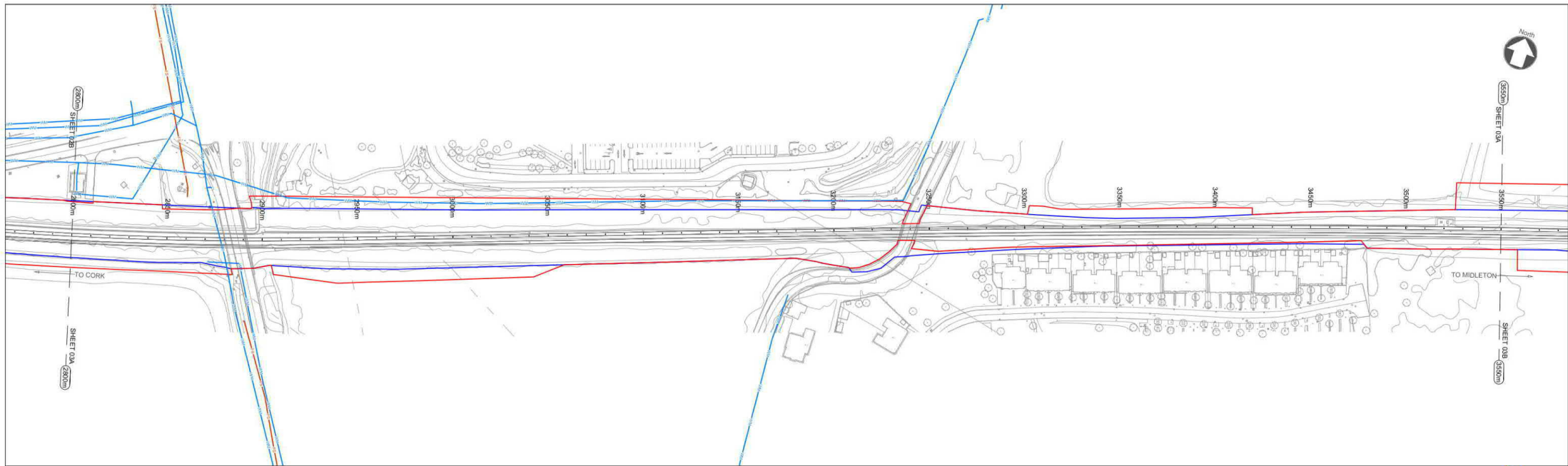
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P01	14/04/22	RO	NS		First Issue
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P03	22/09/22	RO	NS		PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	R.O'CONNOR	R.O'CONNOR	G.BERCOT	N.SAMACHETTY

Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title		EXISTING UTILITIES IRISH WATER CH1300 TO CH2800	
Drawing File Name	C745-WP3	03-XX-XX-XXX-DR-MMD-UE-1102	2 Sheet of 8
Coordination	Approved	Scale @A1: 1:1000 Scale @A3: 1:2000	Acceptance S
Rev	P1	Purpose	P03



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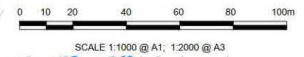
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P03	22/09/22	RO	NS		PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	R.O'CONNOR	R.O'CONNOR	G.BERCOT	N.SAMACHETTY

Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title		EXISTING UTILITIES IRISH WATER CH2800 TO CH4300	
Drawing File Name	C745-WP3	03-XX-XX-XXX-DR-MMD-UE-1103	3 Sheet of 8
Coordination	Approved	Scale @A1: 1:1000 Scale @A3: 1:2000	Purpose P1 Rev P03



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P01	14/04/22	RO	NS		First Issue
P02	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P03	22/09/22	RO	NS		PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	R.O'CONNOR	R.O'CONNOR	G.BERCOT	N.SAMACHETTY

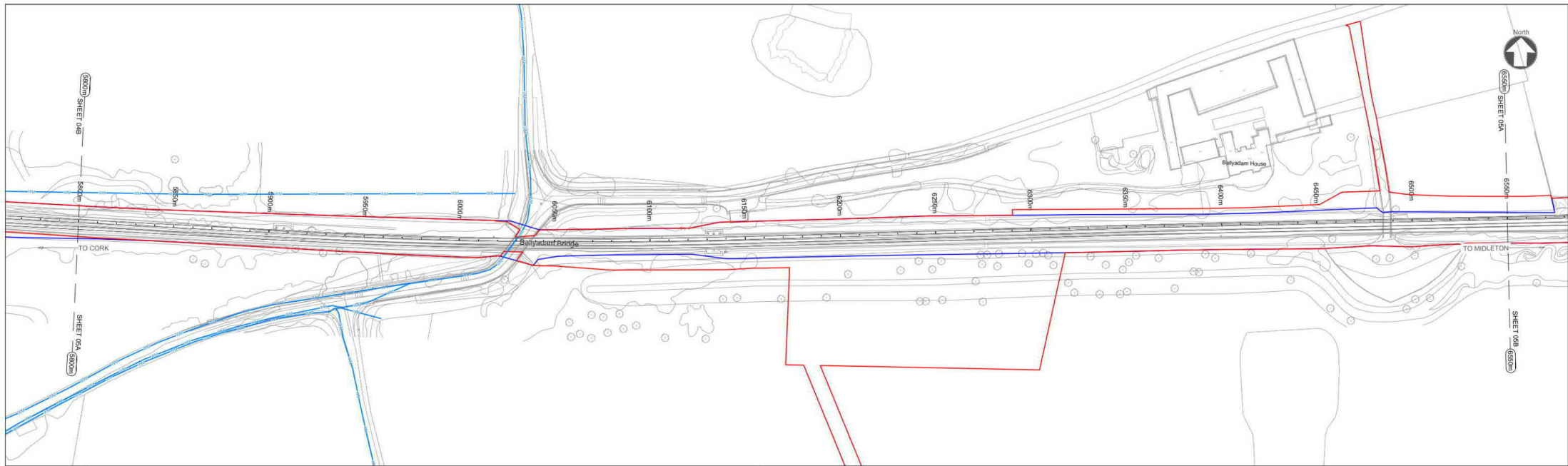
Project Title **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title **EXISTING UTILITIES
IRISH WATER
CH4300 TO CH5800**

Drawing File Name **C745-WP3 03-XX-XX-XXX-DR-MMD-UE-1104**

Coordination	Approved	Scale @A1: 1:1000	Scale @A3: 1:2000	Acceptance	Purpose	Rev
				S	P1	P03

4 Sheet of 8



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P03	22/09/22	RO	NS		PHASE 3: PRELIMINARY DESIGN

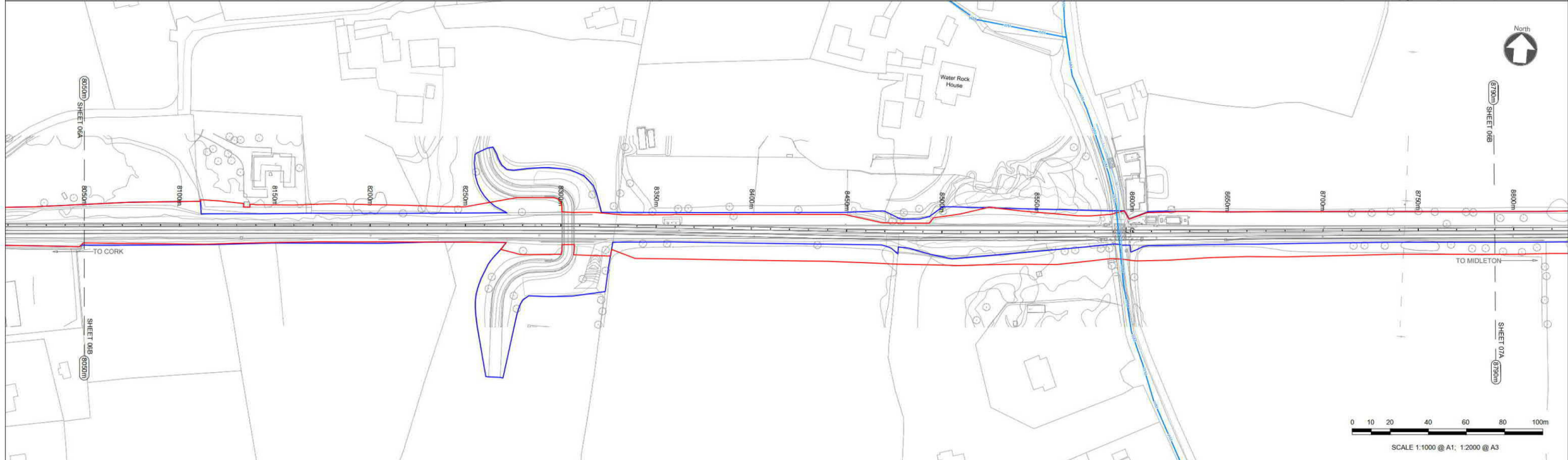
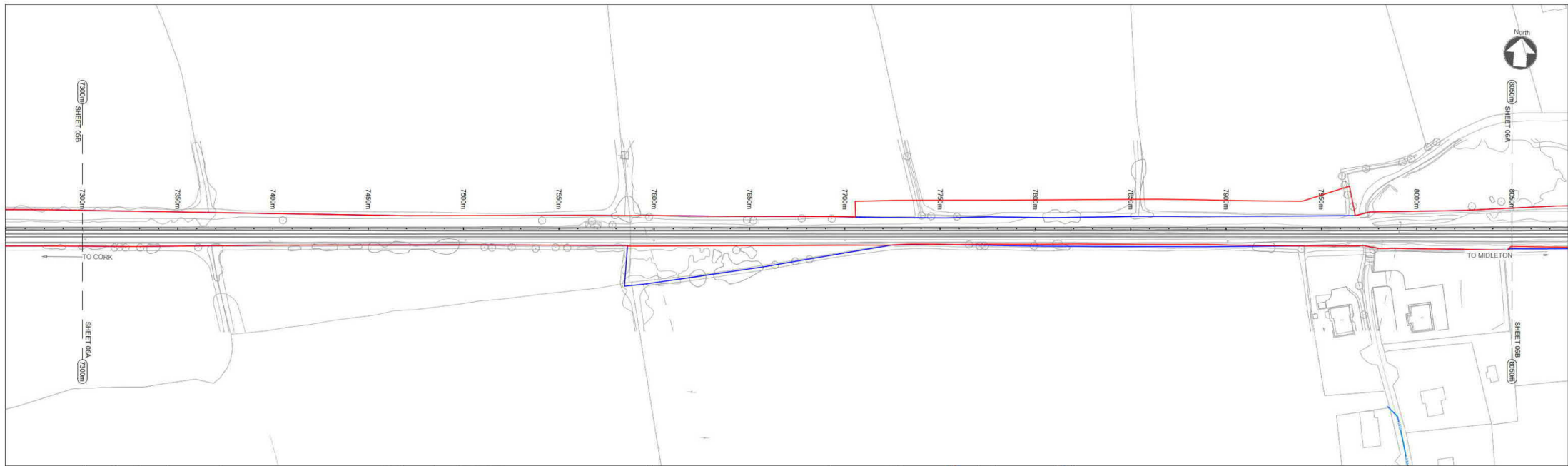
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22/09/22	R.O'CONNOR	R.O'CONNOR	G.BERCOT	N.SAMACHETTY

Project Title: CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: EXISTING UTILITIES
 IRISH WATER
 CH5800 TO CH7300

Drawing File Name: C745-WP3_03-XX-XX-DR-MMD-UE-1105

Coordination	Approved	Scale @A1: 1:1000	Acceptance	Purpose	Sheet of 8
		Scale @A3: 1:2000	S	P1	Rev P03



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Date	Designed	Drawn	Dwg check	Eng check
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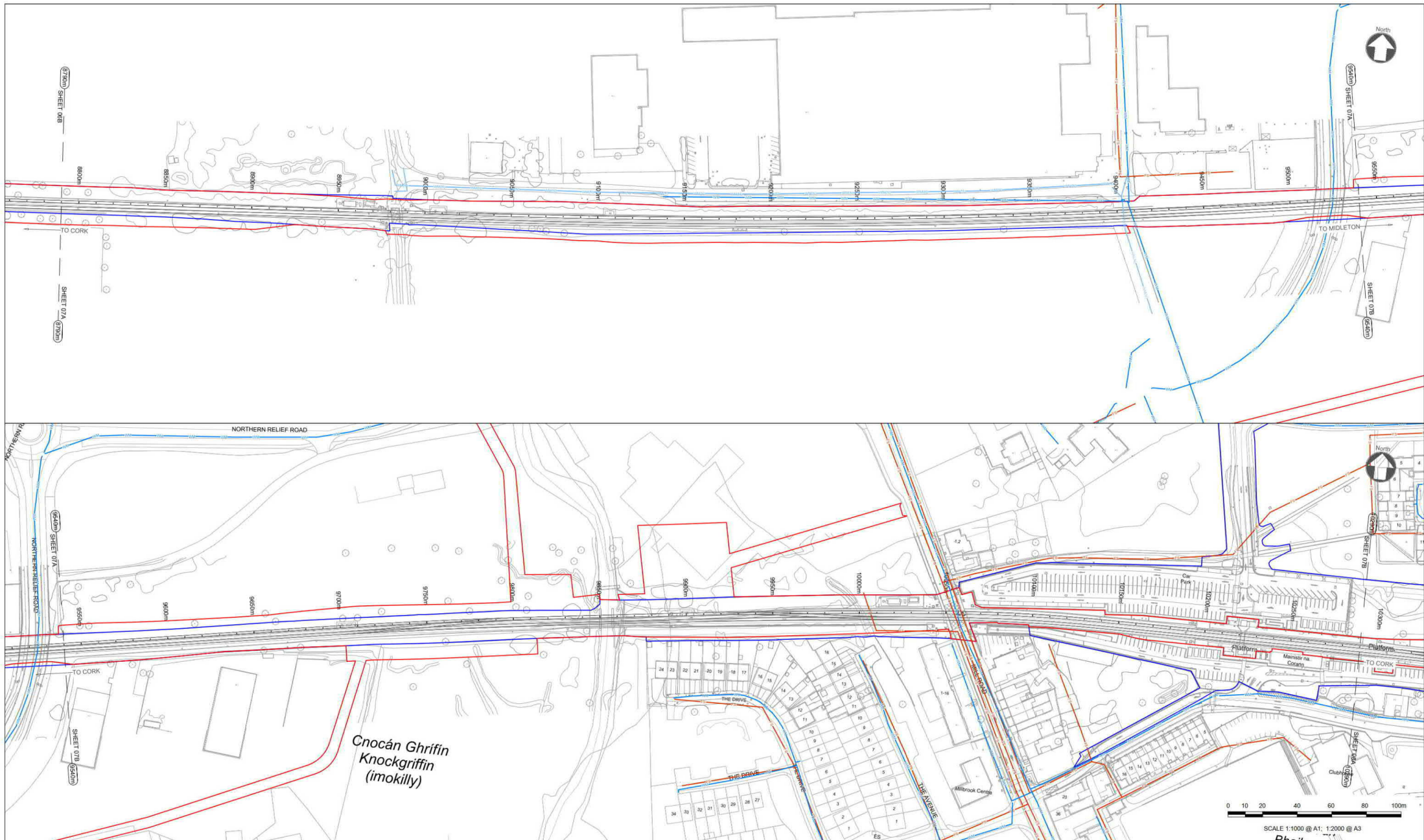
Project Title **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title **EXISTING UTILITIES
IRISH WATER
CH7300 TO CH8790**

Drawing File Name **C745-WP3 03-XX-XX-XXX-DR-MMD-UE-1106**

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P03	22/09/22	RO	NS		PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
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Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title		EXISTING UTILITIES IRISH WATER CH8790 TO CH10290	
Drawing File Name	03-XX-XX-XXX-DR-MMD-UE-1107	7	Sheet of 8
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P02	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P03	22/09/22	RO	NS		PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	R.O'CONNOR	R.O'CONNOR	G.BERCOT	N.SAMACHETTY

Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDDLETON TWIN TRACK

Drawing Title: EXISTING UTILITIES
IRISH WATER
CH10290 TO CH10630

Drawing File Name: C745-WP3_03-XX-XX-DR-MMD-UE-1108

Coordination	Approved	Scale @A1: 1:1000	Scale @A3: 1:2000	Acceptance	Purpose	Rev	Sheet of 8
				S	P1	P03	8 of 8



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Date	Designed	Drawn	Dwg check	Eng check
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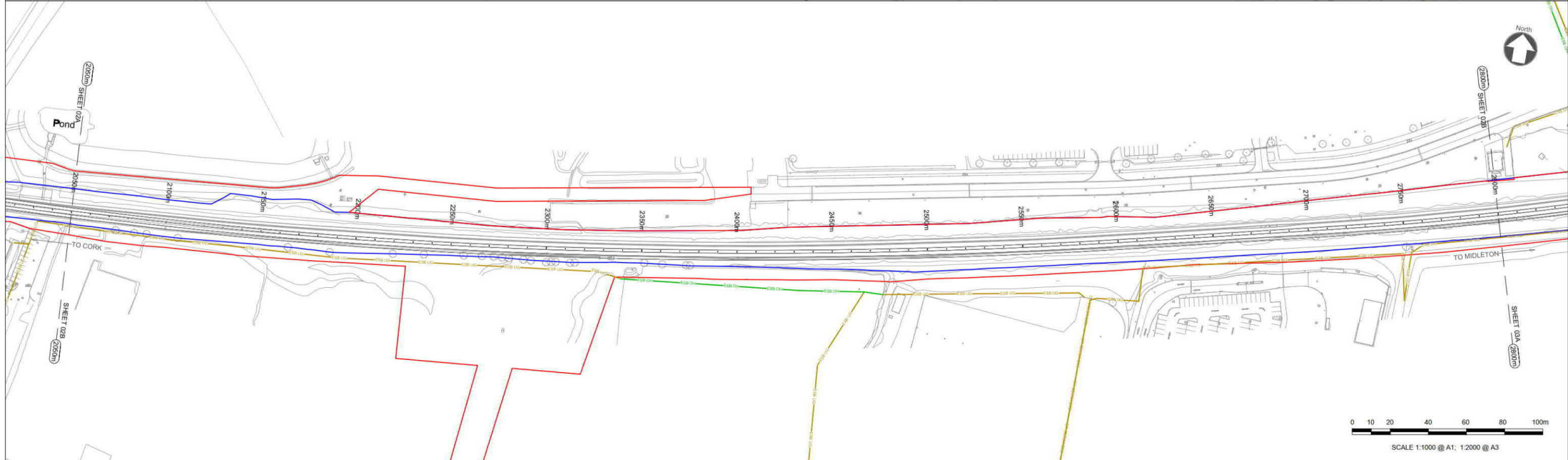
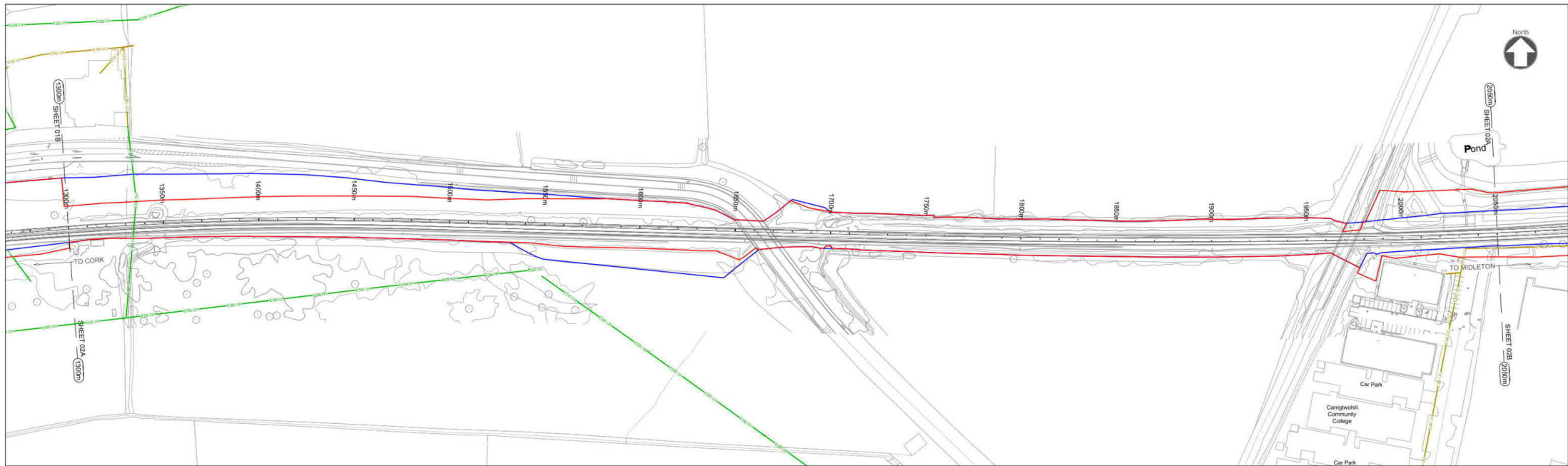
Project Title **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title **EXISTING UTILITIES
ESB
CH380 TO CH1300**

Drawing File Name **C745-WP3**

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1 Sheet of 8



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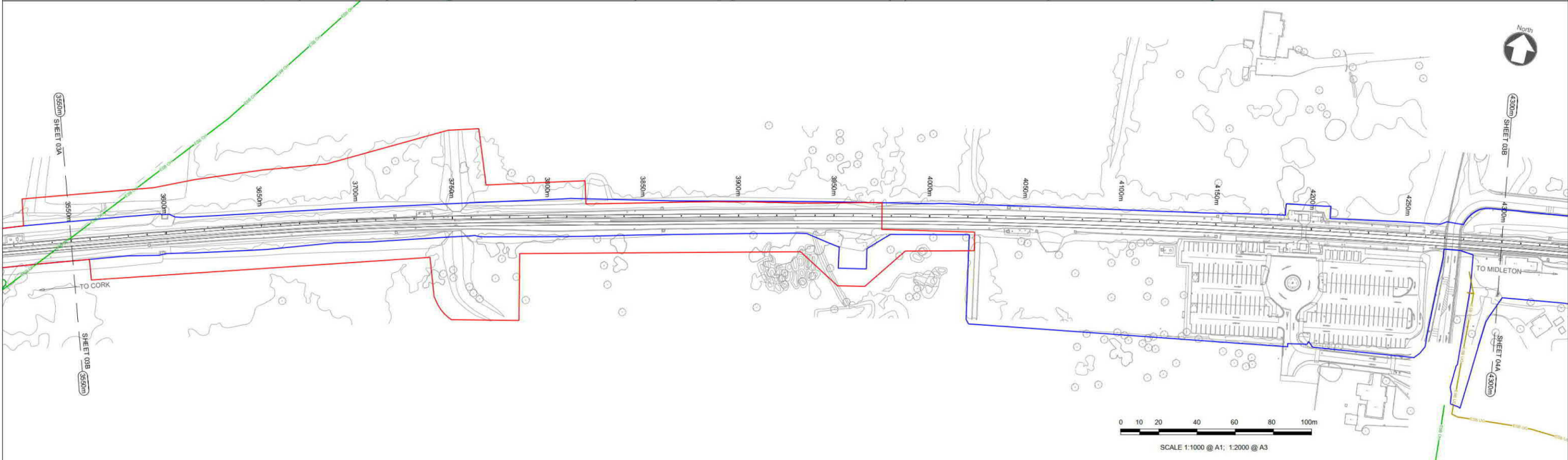
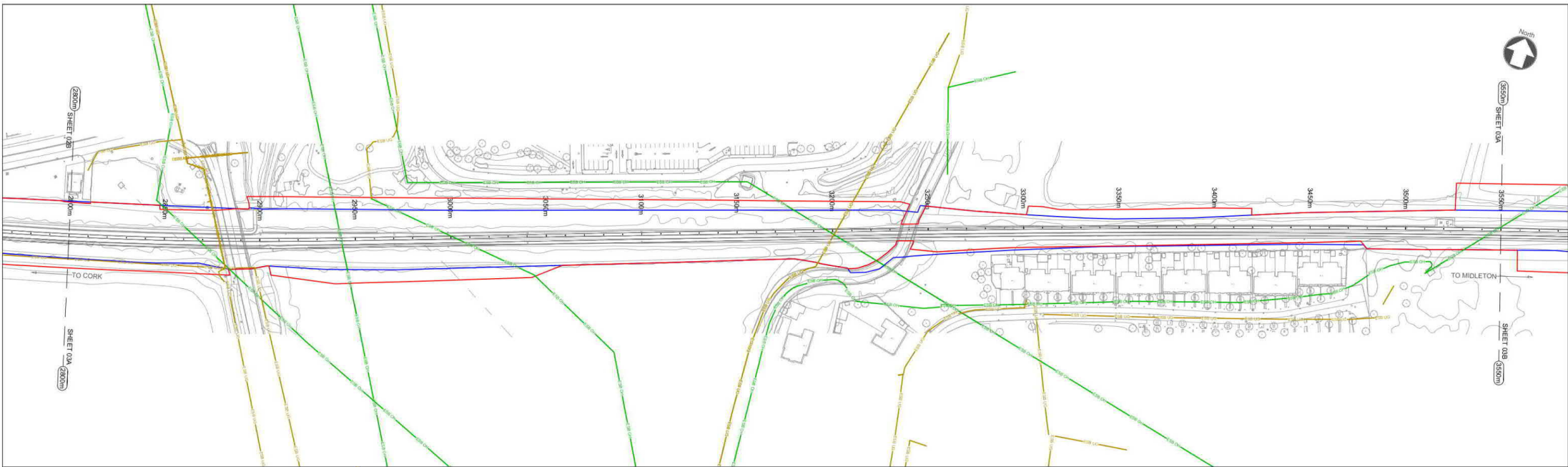
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P03	22/09/22	RO	NS		PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg Check	Eng check
22/09/22	R.O'CONNOR	R.O'CONNOR	G.BERCOT	N.SAMACHETTY

Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDDLETON TWIN TRACK	
Drawing Title		EXISTING UTILITIES ESB CH1300 TO CH2800	
Drawing File Name	C745-WP3	03-XX-XX-XXX-DR-MMD-UE-1202	2 Sheet of 8
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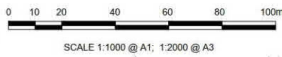
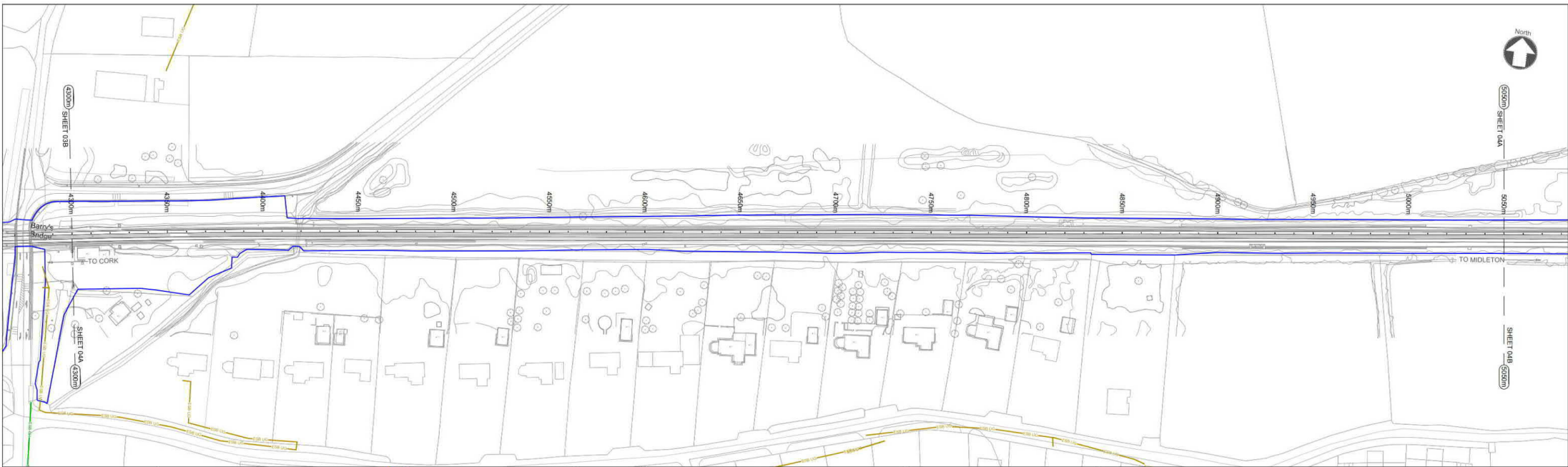
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Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title		EXISTING UTILITIES ESB CH2800 TO CH4300	
Drawing File Name		C745-WP3 03-XX-XX-DR-MMD-UE-1203	
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Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title		EXISTING UTILITIES ESB CH4300 TO CH5800	
Drawing File Name	C745-WP3	03-XX-XX-XXX-DR-MMD-UE-1204	4 Sheet of 8
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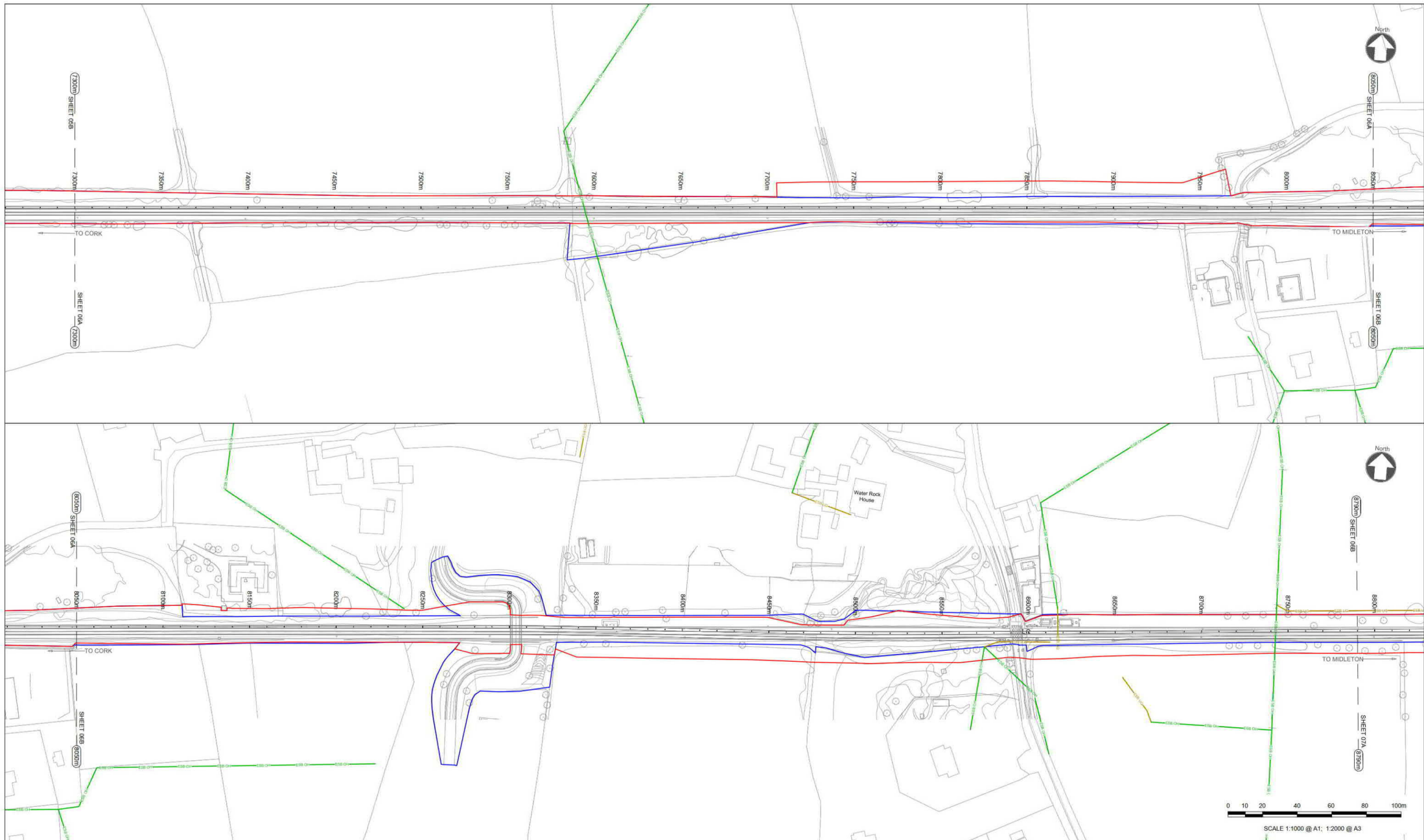
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Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title		EXISTING UTILITIES ESB CH5800 TO CH7300	
Drawing File Name	C745-WP3	03-XX-XX-XXX-DR-MMD-UE-1205	5 Sheet of 8
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P01	14/04/22	RO	NS	First Issue
P02	10/06/22	RO	JM	Preliminary Design for Public Consultation
P03	22/09/22	RO	NS	PHASE 3: PRELIMINARY DESIGN

Date	Designed	Drawn	Dwg check	Eng check
22/09/22	R.O'CONNOR	R.O'CONNOR	G.BERCOT	N.SAMACHETTY

Project Title **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title **EXISTING UTILITIES
ESB
CH7300 TO CH8790**

Drawing File Name **C745-WP3 03-XX-XX-XXX-DR-MMD-UE-1206**

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6 Sheet of 8



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P03	22/09/22	RO	NS		PHASE 3: PRELIMINARY DESIGN
Date	22/09/22	Designed	R.O'CONNOR	Drawn	R.O'CONNOR
		Dwg check	G.BERCOT	Eng check	N.SAMAGHETTY

Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title		EXISTING UTILITIES ESB CH8790 TO CH10290	
Drawing File Name		C745-WP3 03-XX-XX-XXX-DR-MMD-UE-1207	
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Rev		P03	
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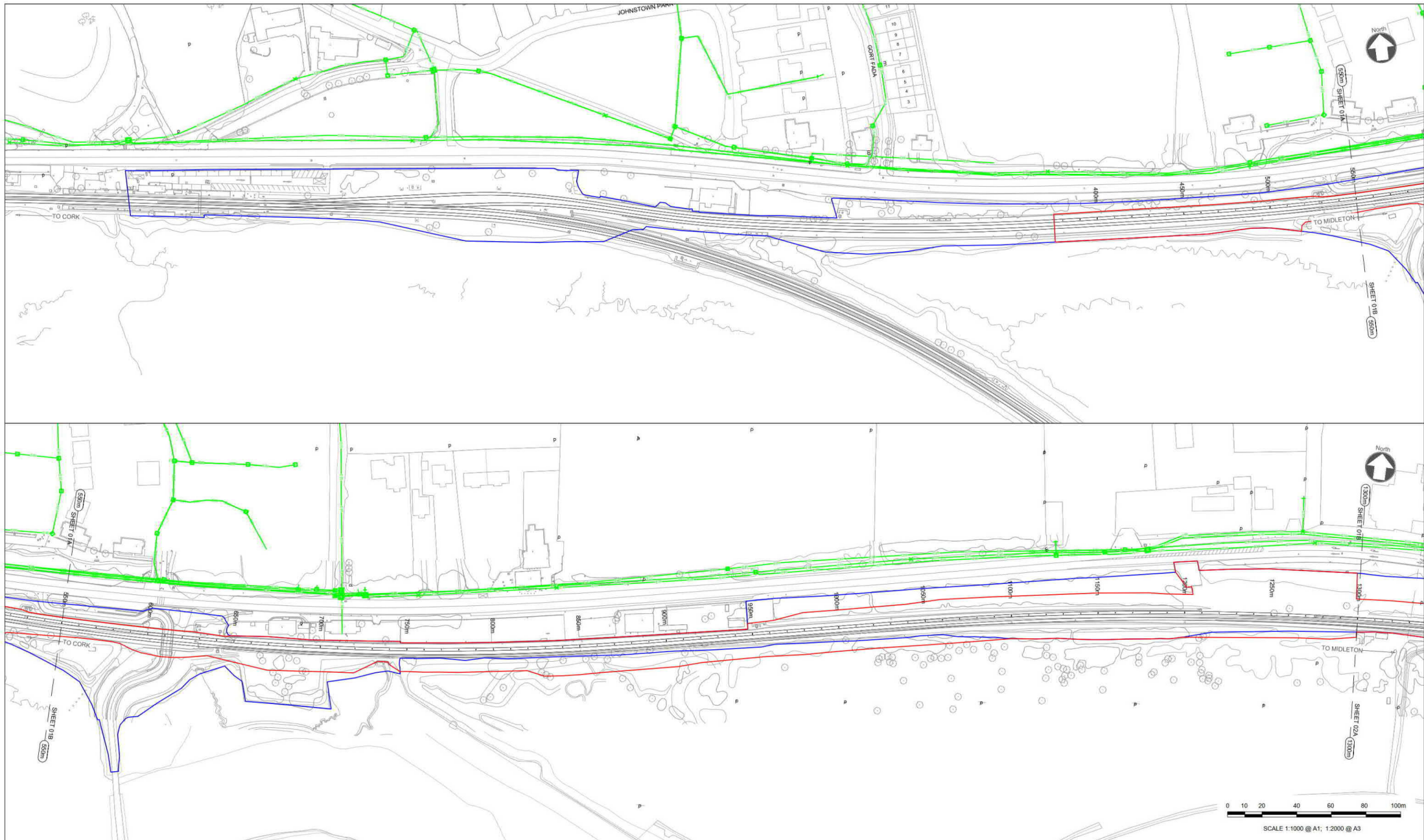
Date	Designed	Drawn	Dwg check	Eng check
22/09/22	R.O'CONNOR	R.O'CONNOR	G.BERCOT	N.SAMACHETTY

Project Title: CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: EXISTING UTILITIES
 ESB
 CH10290 TO CH10630

Drawing File Name: C745-WP3_03-XX-XXX-DR-MMD-UE-1208

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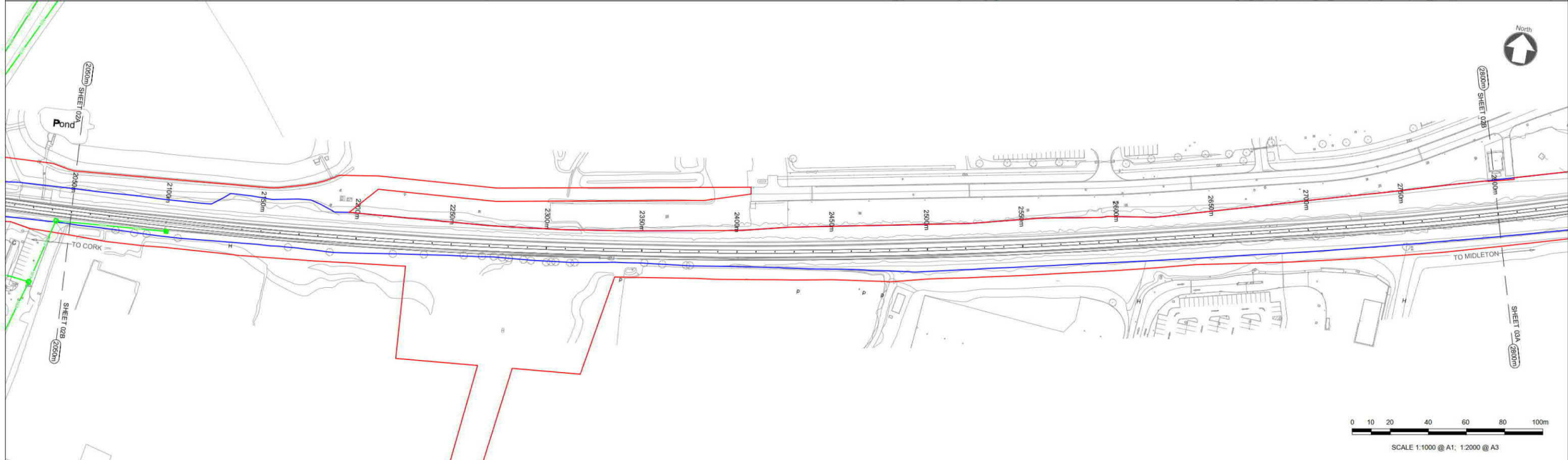
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Project Title **CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title **EXISTING UTILITIES
 EIR
 CH380 TO CH1300**

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Drawing File Name **C745-WP3 03-XX-XX-XX-DR-MMD-UE-1301** 1 Sheet of 8



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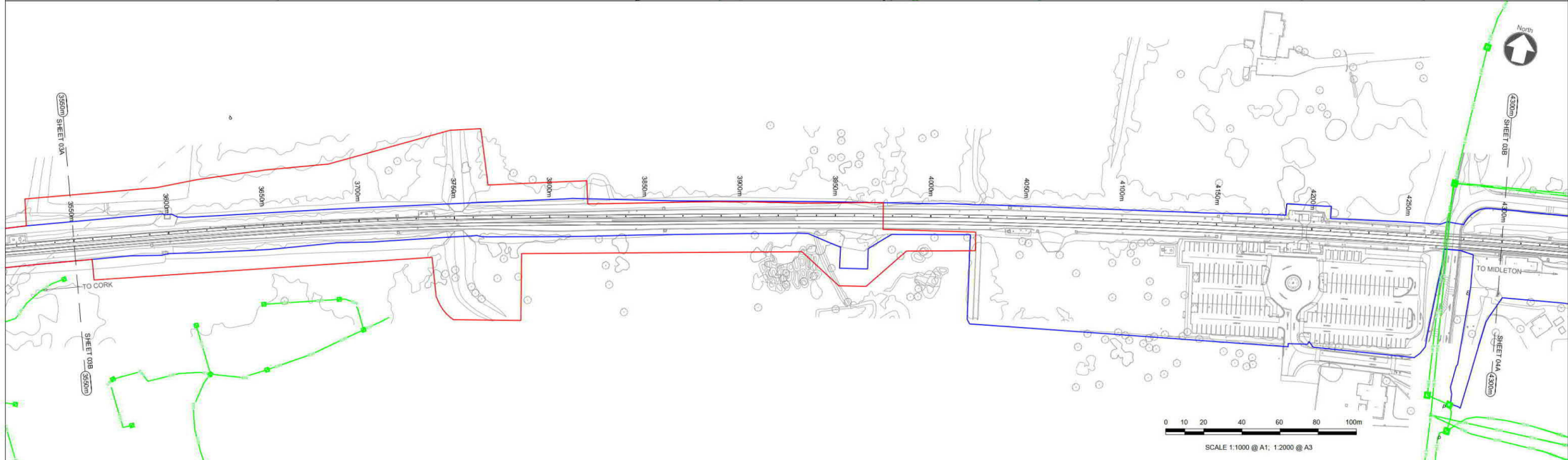
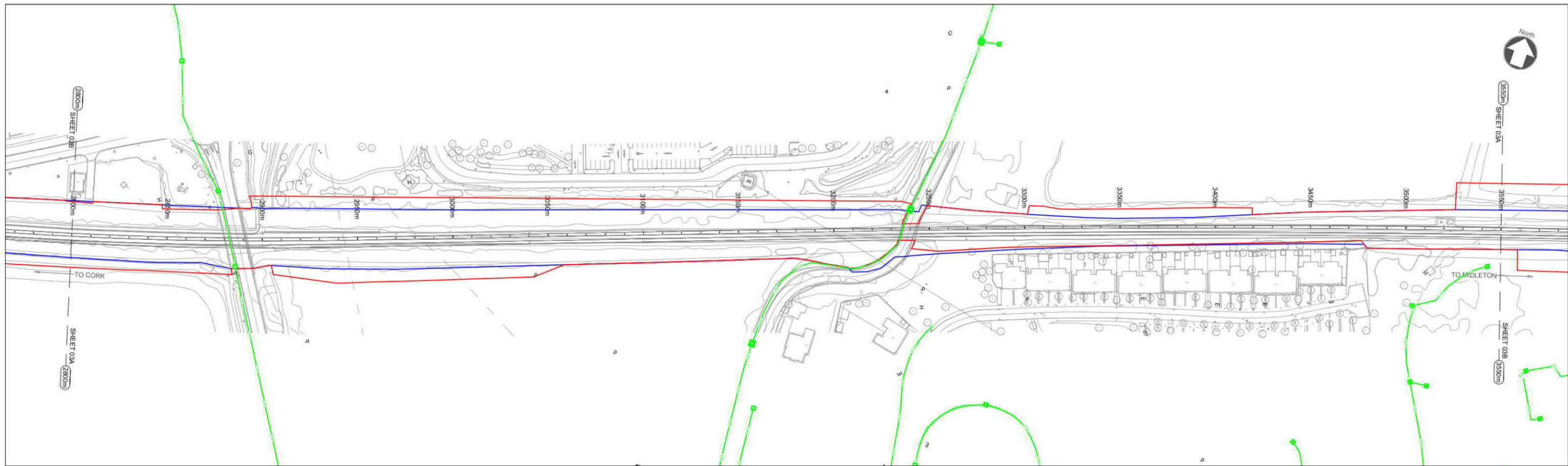
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	22/09/22	R.O'CONNOR			
Date	Designed	Drawn	Dwg check	Eng check	
	R.O'CONNOR	R.O'CONNOR	G.BERCOT	N.SAMACHETTY	

Project Title **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title **EXISTING UTILITIES
EIR
CH1300 TO CH2800**

Drawing File Name **C745-WP3 03-XX-XX-DR-MMD-UE-1302**

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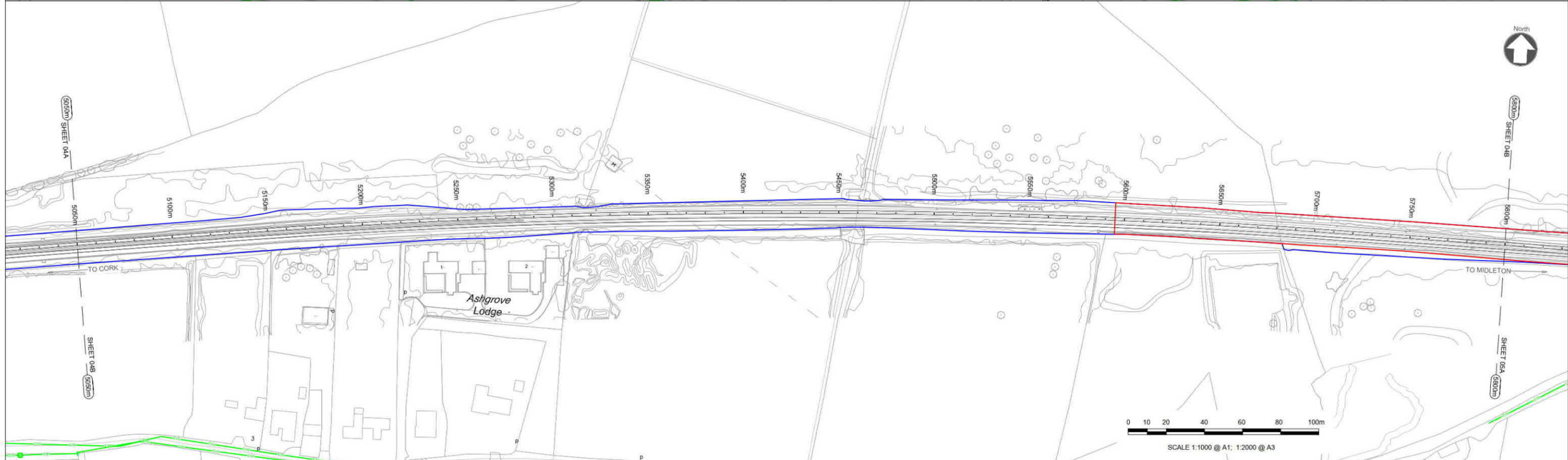
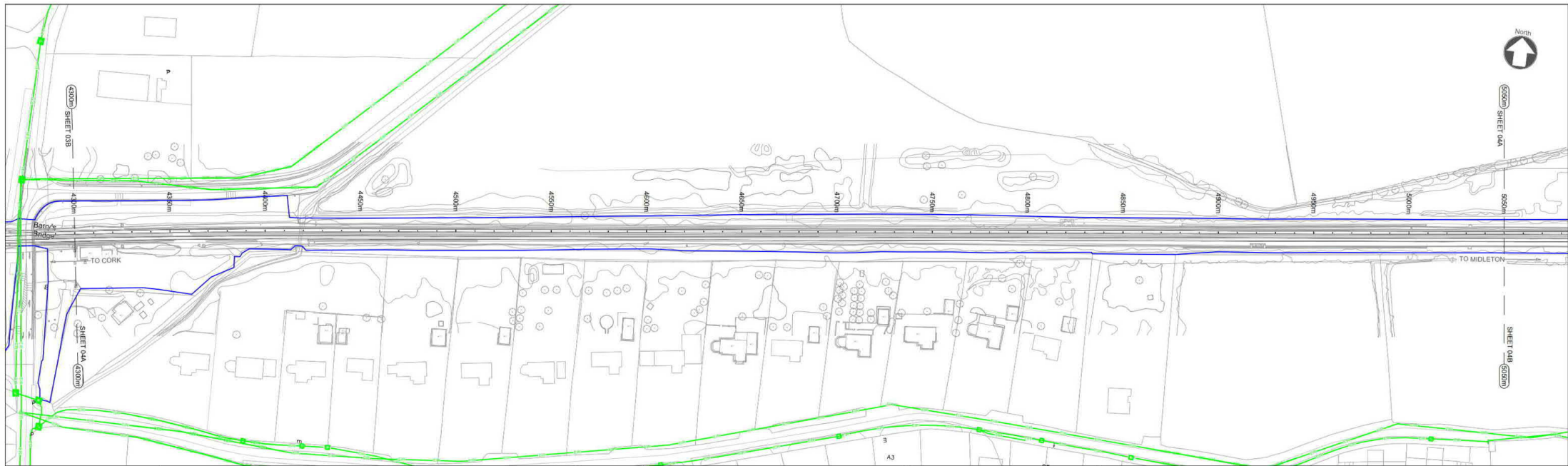
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Drawing Title		EXISTING UTILITIES EIR CH2800 TO CH4300	
Drawing File Name		C745-WP3 03-XX-XX-XXX-DR-MMD-UE-1303	
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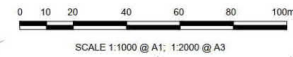
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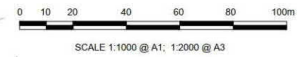
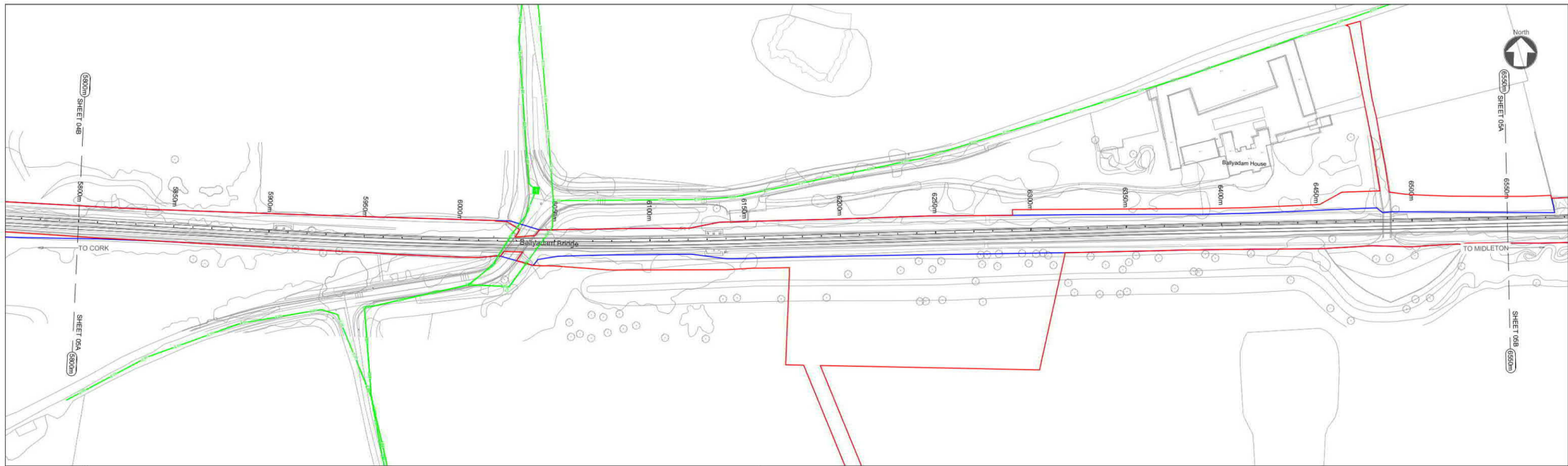
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Date	Designed	Drawn	Dwg check	Eng check
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Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title		EXISTING UTILITIES EIR CH4300 TO CH5800	
Drawing File Name	C745-WP3	03-XX-XX-XXX-DR-MMD-UE-1304	4 of 8
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Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title		EXISTING UTILITIES EIR CH5800 TO CH7300	
Drawing File Name	C745-WP3	03-XX-XX-XXX-DR-MMD-UE-1305	5 Sheet of 8
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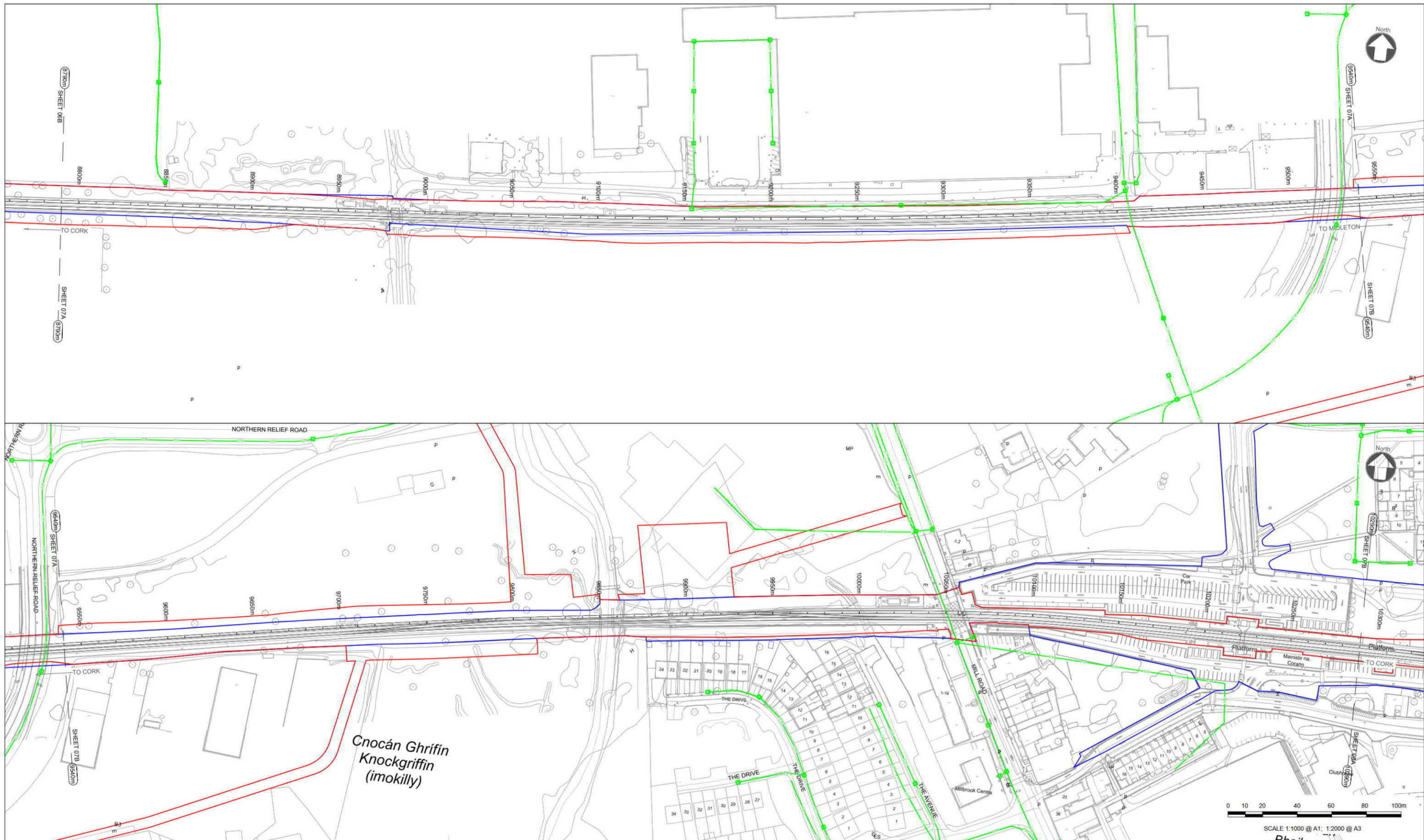
Project Title **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title **EXISTING UTILITIES
EIR
CH7300 TO CH8790**

Drawing File Name **C745-WP3 03-XX-XX-XXX-DR-MMD-UE-1306**

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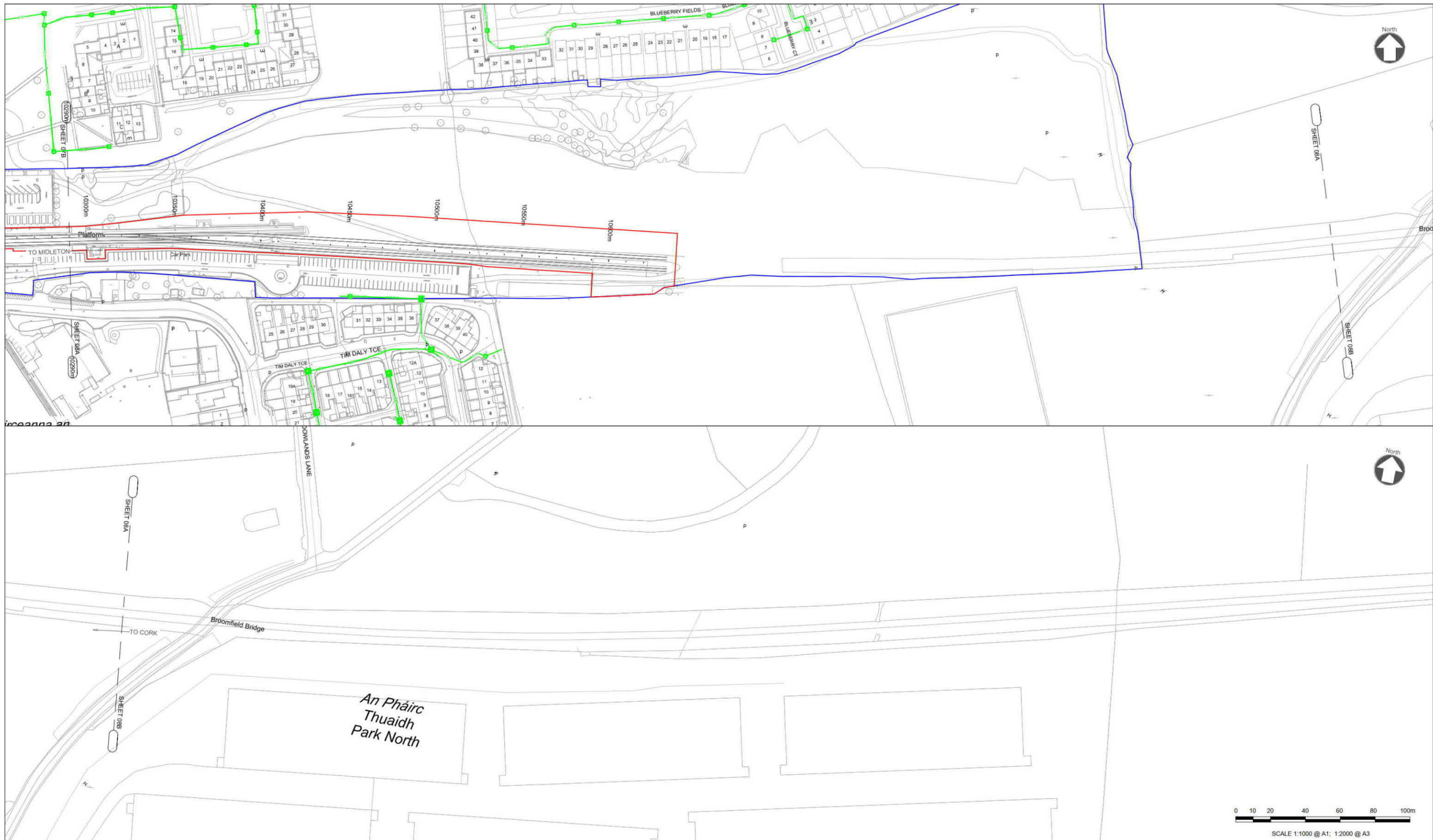
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Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK	
Drawing Title		EXISTING UTILITIES EIR CH8790 TO CH10290	
Drawing File Name	C745-WP3	03-XX-XX-XXX-DR-MMD-UE-1307	7 Sheet of 8
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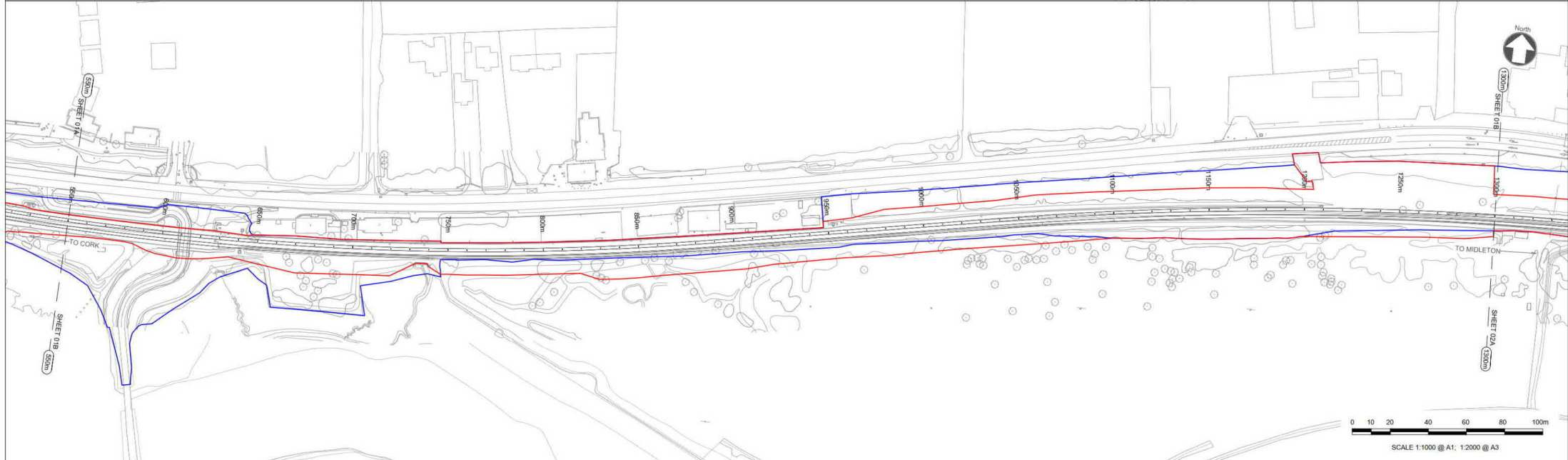
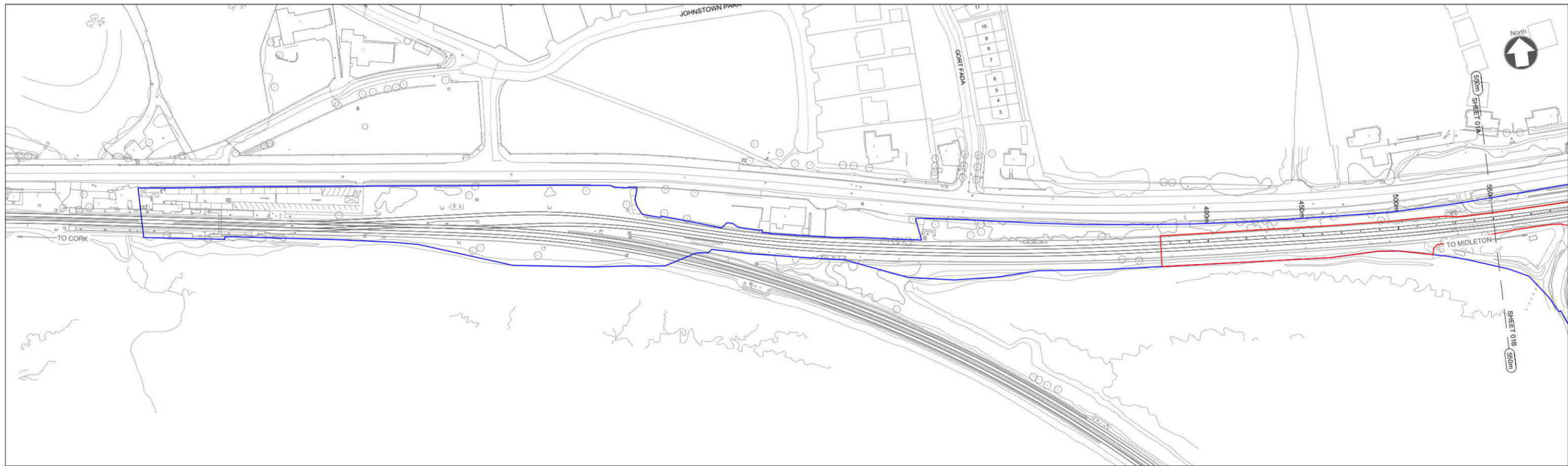
Project Title: CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: EXISTING UTILITIES
EIR
CH10290 TO CH10630

Drawing File Name: C745-WP3 03-XX-XXX-DR-MMD-UE-1308

Coordination	Approved	Scale @A1: 1:1000 Scale @A3: 1:2000	Acceptance	Purpose	Rev
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Rev	Date	Drawn	Eng Check	Appr	Description
Date	22/09/22	Designed	R.O'CONNOR	Drawn	R.O'CONNOR
		Dwg check	G.BERCOT	Eng check	N.SAMACHETTY

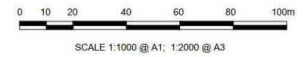
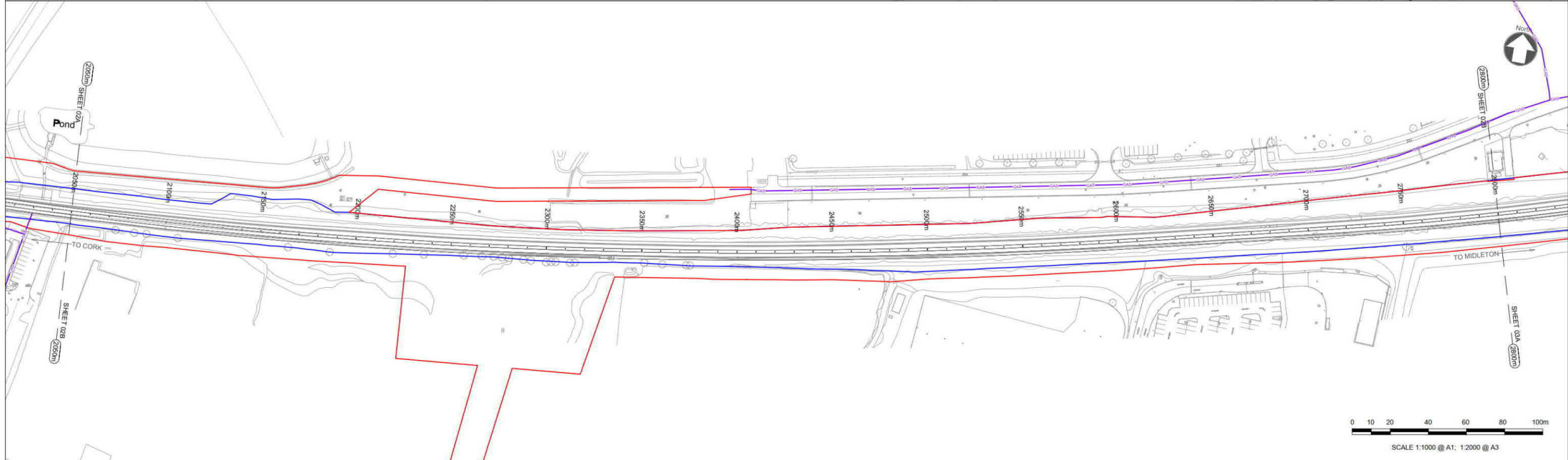
Project Title: **CORK AREA COMMUTER RAIL
 GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title: **EXISTING UTILITIES
 GAS NETWORKS IRELAND
 CH380 TO CH1300**

Drawing File Name: **C745-WP3_03-XX-XX-DR-MMD-UE-1401**

Coordination: Approved
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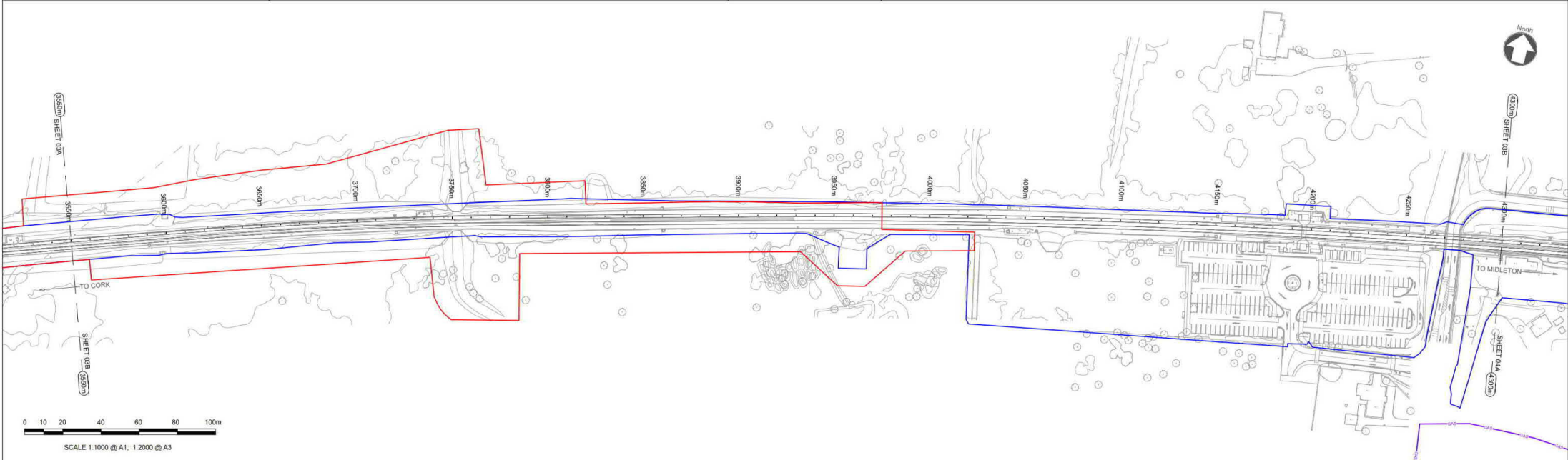
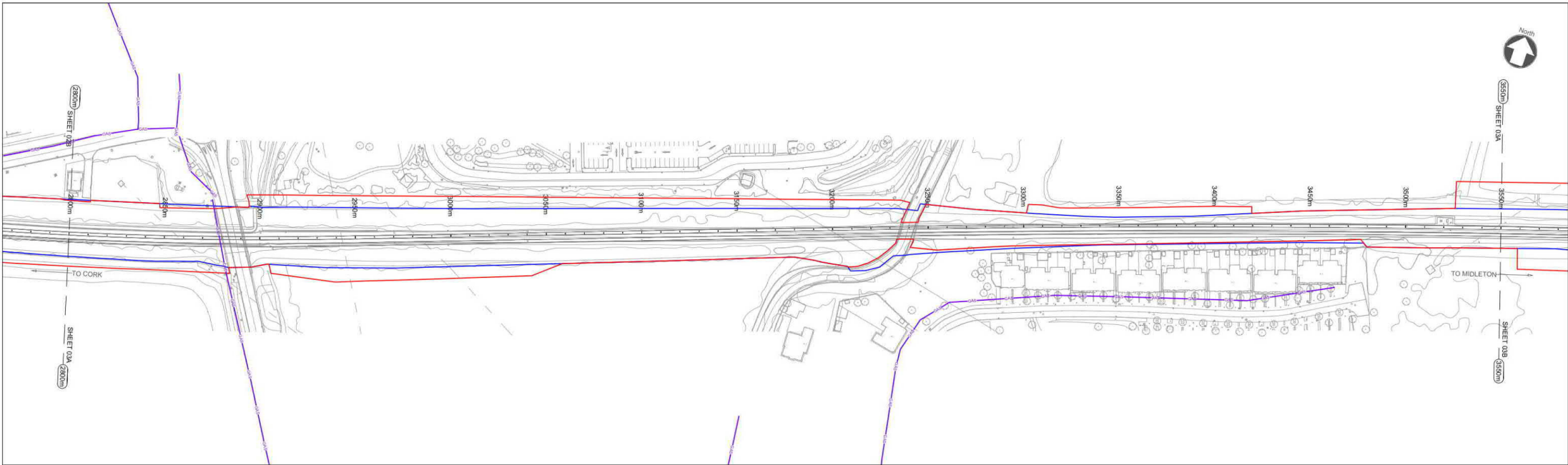
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GLOUNTHAUNE - MIDDLETON TWIN TRACK**

Drawing Title **EXISTING UTILITIES
GAS NETWORKS IRELAND
CH1300 TO CH2800**

Drawing File Name **C745-WP3 03-XX-XX-DR-MMD-UE-1402**

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Date	22/09/22	Designed	R.O'CONNOR	Drawn	R.O'CONNOR
		Dwg check	G.BERCOT	Eng check	N.SAMACHETTY

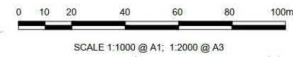
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 GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title **EXISTING UTILITIES
 GAS NETWORKS IRELAND
 CH2800 TO CH4300**

Drawing File Name **C745-WP3**

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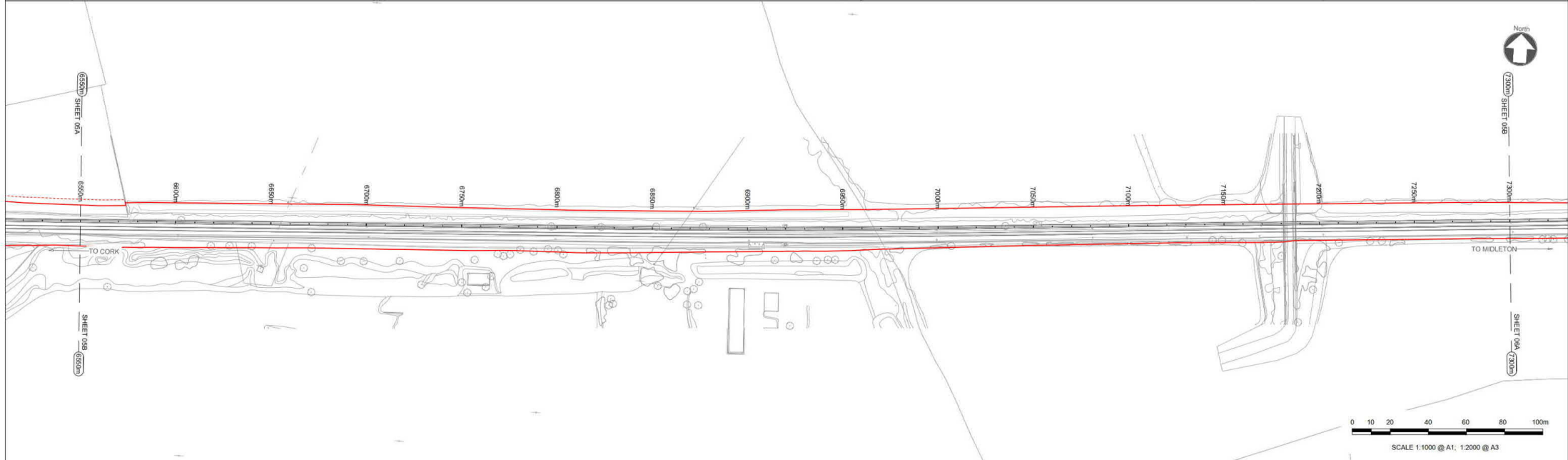
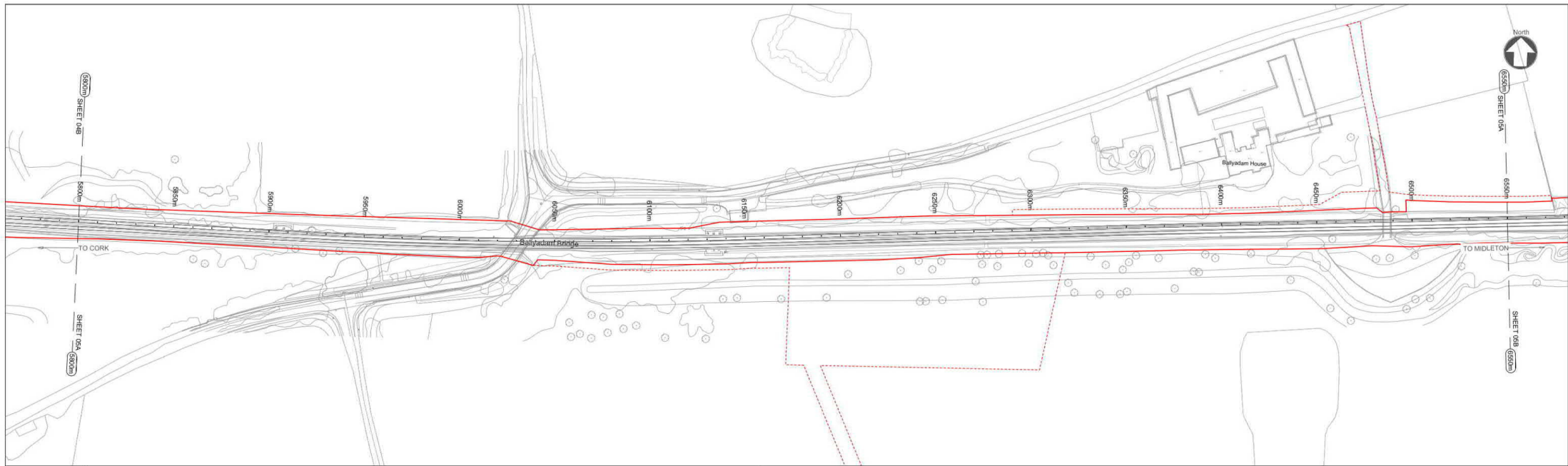
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Date	Designed	Drawn	Dwg check	Eng check
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Project Title		CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDDLETON TWIN TRACK	
Drawing Title		EXISTING UTILITIES GAS NETWORKS IRELAND CH4300 TO CH5800	
Drawing File Name	03-XX-XX-XXX-DR-MMD-UE-1404	4	Sheet of 8
Coordination	Approved	Scale @A1: 1:1000 Scale @A3: 1:2000	Acceptance S
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Date	Designed	Drawn	Dwg check	Eng check
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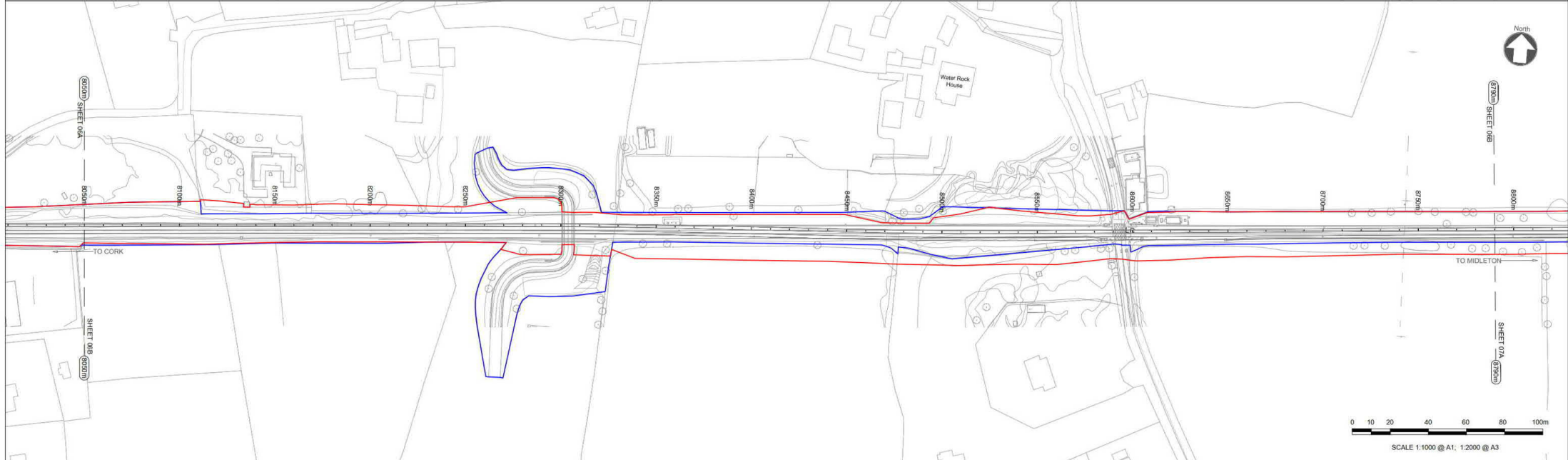
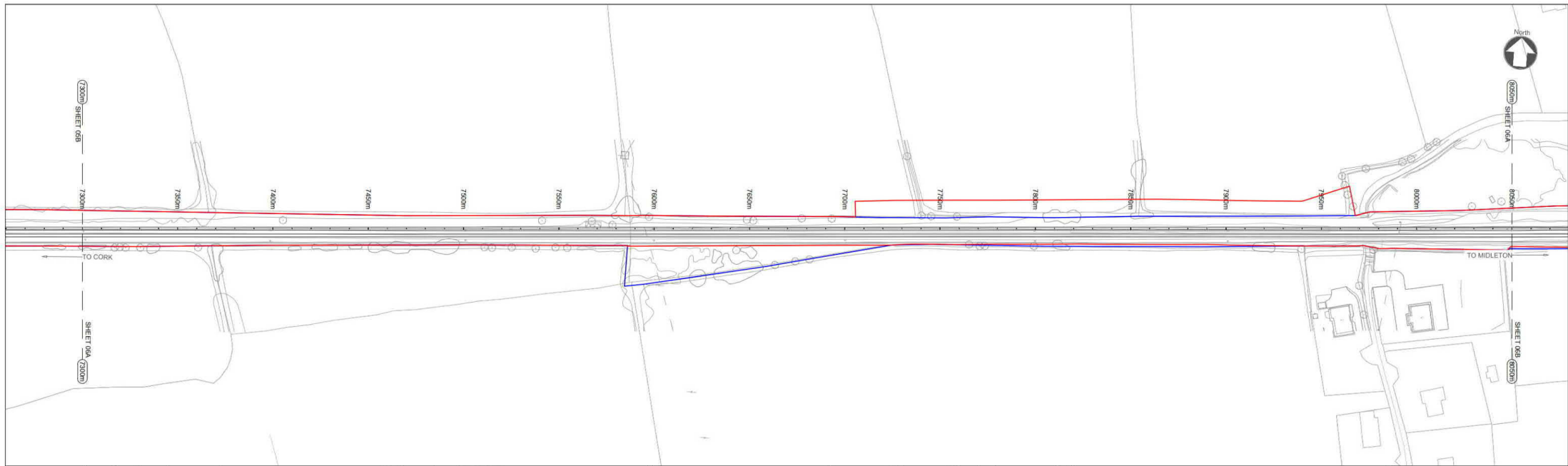
Project Title: **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title: **EXISTING UTILITIES
GAS NETWORKS IRELAND
CH5800 TO CH7300**

Drawing File Name: **C745-WP3 03-XX-XX-DR-MMD-UE-1405**

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		Scale @A3: 1:2000	S	P1	P03

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Date	Designed	Drawn	Dwg check	Eng check
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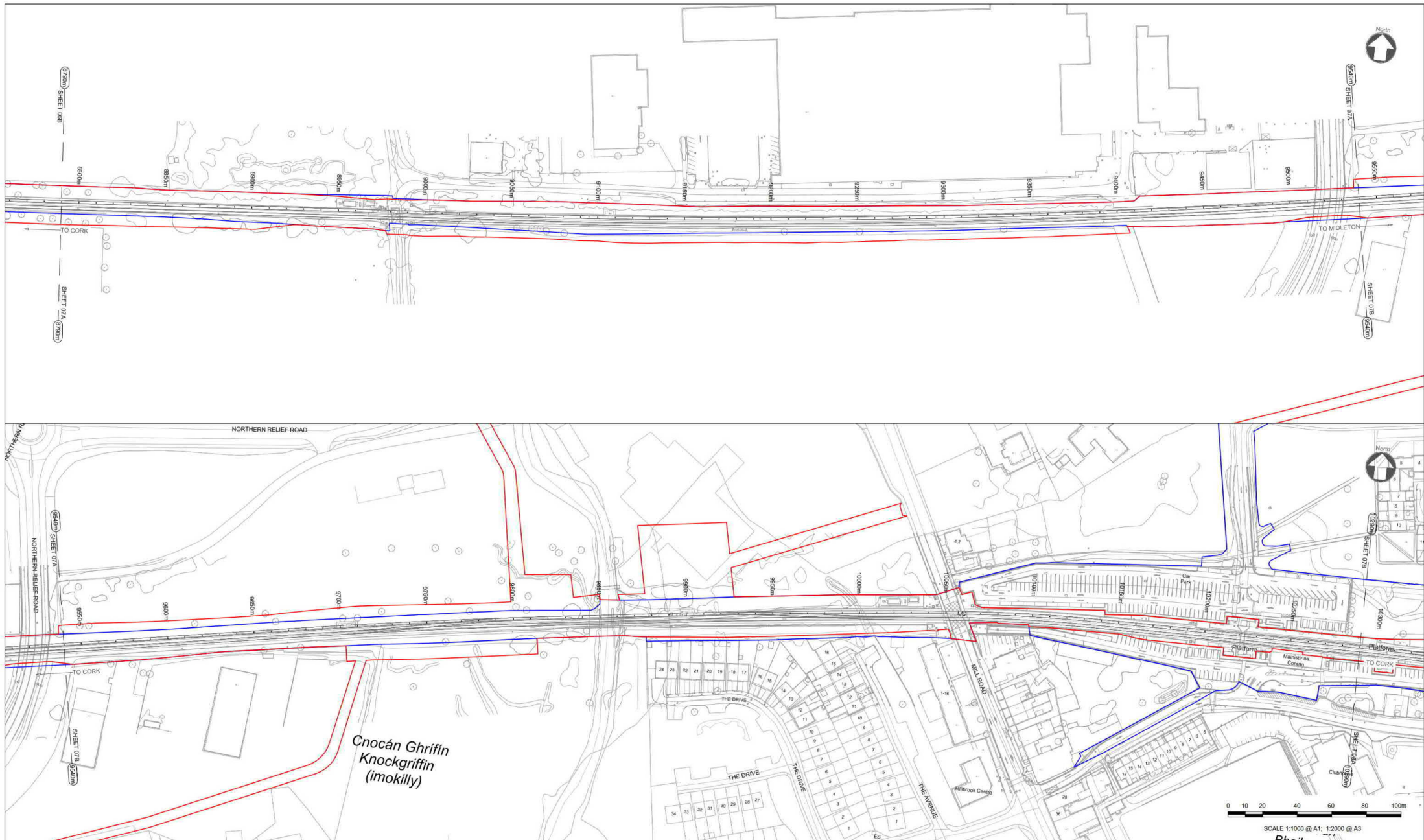
Project Title **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title **EXISTING UTILITIES
GAS NETWORKS IRELAND
CH7300 TO CH8790**

Drawing File Name **C745-WP3 03-XX-XX-XXX-DR-MMD-UE-1406**

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22/09/22	R.O'CONNOR	R.O'CONNOR	G.BERCOT	N.SAMACHETTY

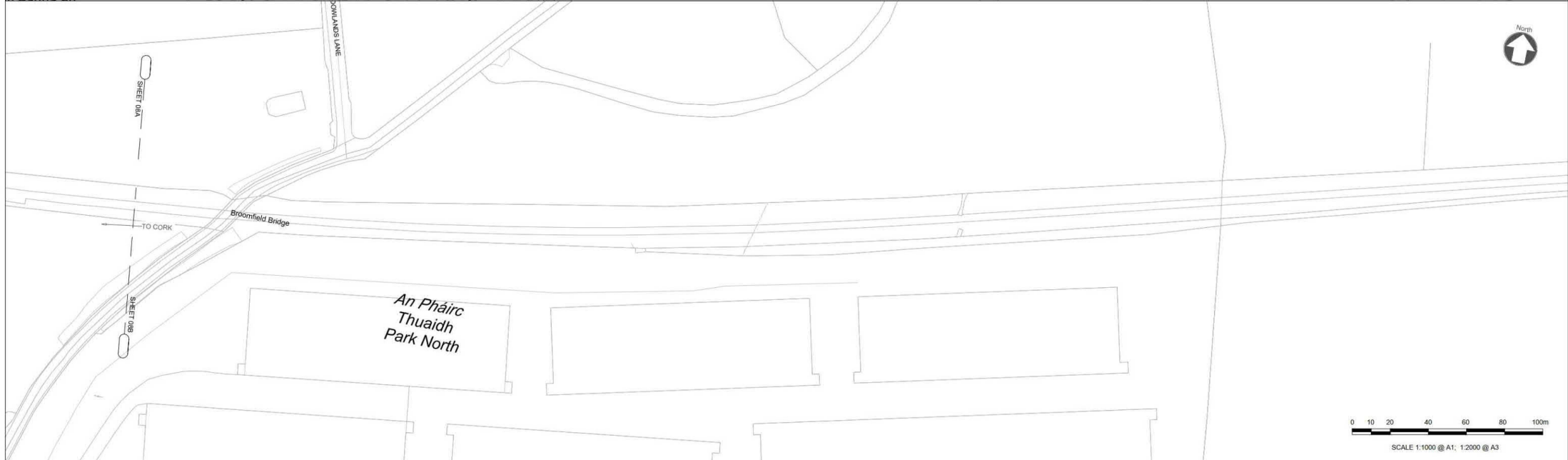
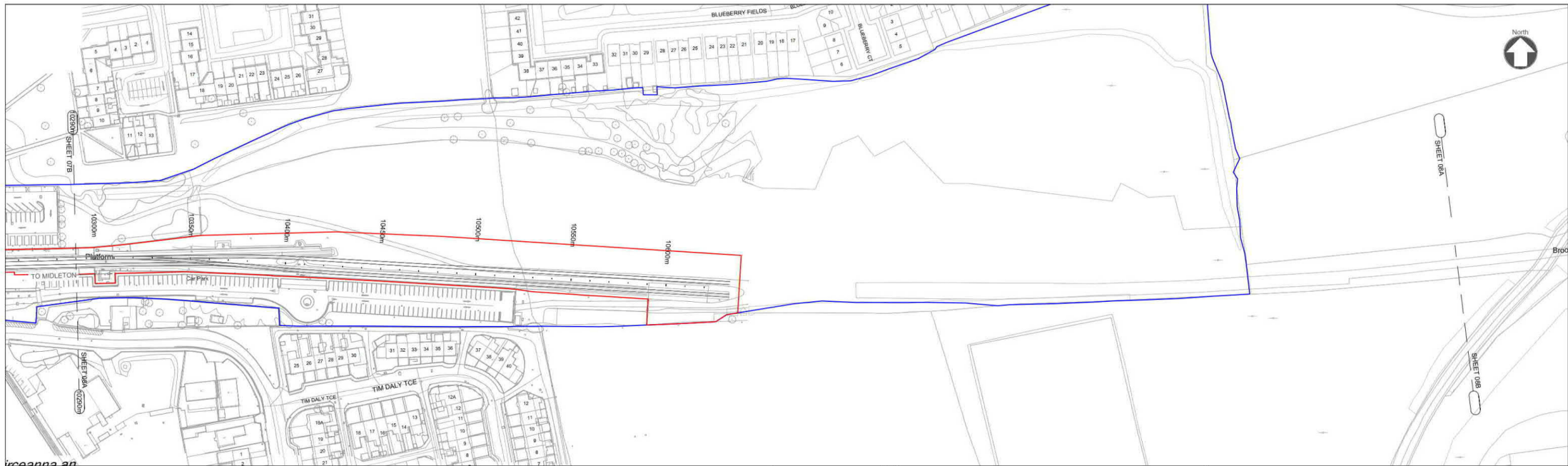
Project Title **CORK AREA COMMUTER RAIL
GLOUNTHAUNE - MIDLETON TWIN TRACK**

Drawing Title **EXISTING UTILITIES
GAS NETWORKS IRELAND
CH8790 TO CH10290**

Drawing File Name **C745-WP3 03-XX-XX-XX-DR-MMD-UE-1407**

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P03	22/09/22	RO	NS		PHASE 3: PRELIMINARY DESIGN				
Date	22/09/22	Designed	R.O'CONNOR	Drawn	R.O'CONNOR	Dwg check	G.BERCOT	Eng check	N.SAMACHETTY

Project Title **CORK AREA COMMUTER RAIL
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Drawing Title **EXISTING UTILITIES
GAS NETWORKS IRELAND
CH10290 TO CH10630**

Drawing File Name **C745-WP3 03-XX-XX-XXX-DR-MMD-UE-1408**

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