



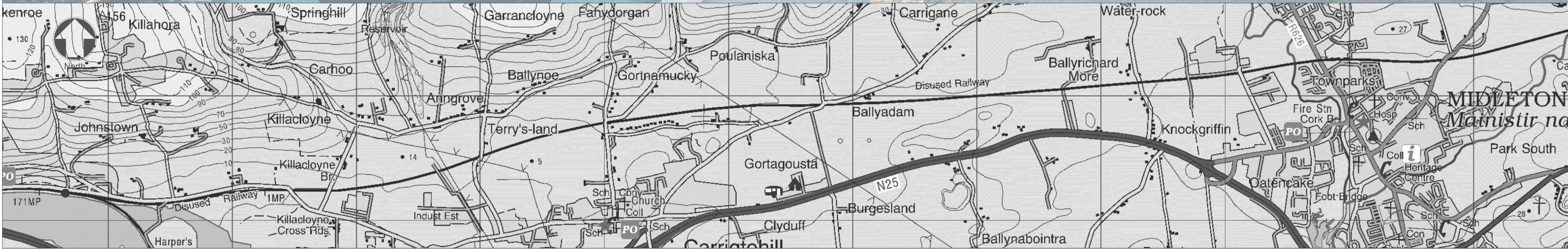
# Cork Area Commuter Rail Glounthaune - Midleton Twin Track

Environmental Impact Assessment Report  
Appendix 6.3 Preliminary Design Report  
Drawings

November 2022



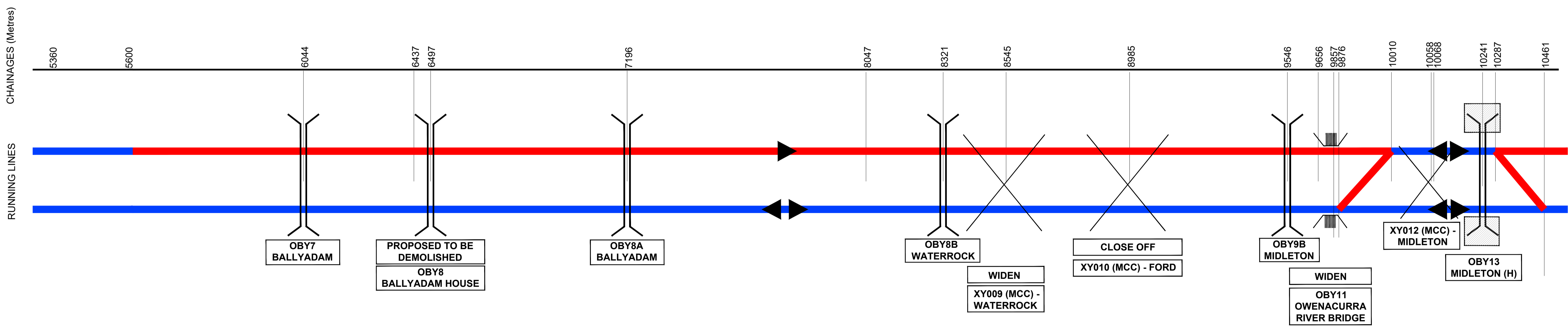
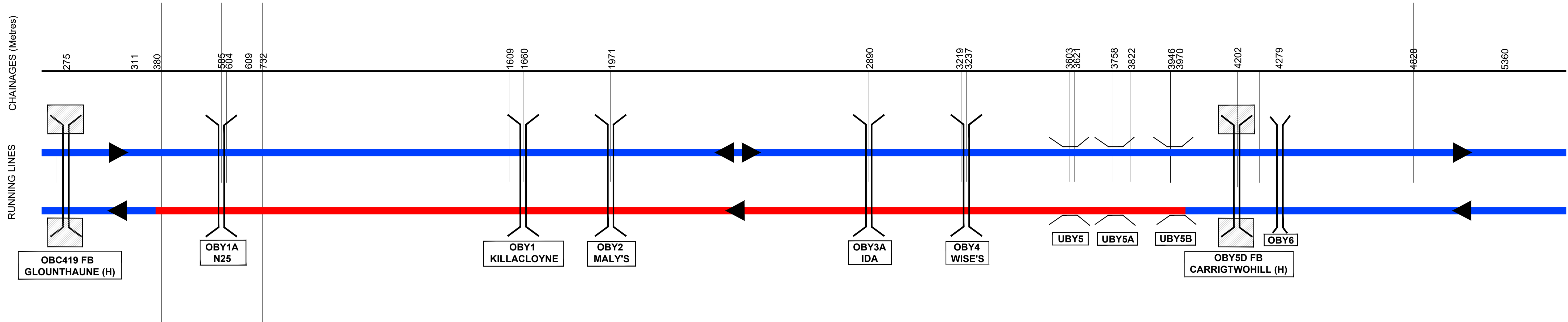
# PRELIMINARY DESIGN DRAWINGS



## GLOUNTHAUNE - MIDLETON TWIN TRACK

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<p>Client: Iarnród Éireann-Irish Rail Connolly Station Amiens Street Dublin 1 D01 V8V6</p>		<p>Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK</p>	
		<p>Drawing Title: PRELIMINARY DESIGN DRAWINGS COVER SHEET</p>	
<p>MOTT MACDONALD 5 Eastgate Avenue Eastgate Little Island Cork Ireland T +353 (0) 21 4809800 F +353 (0) 21 4809801 W www.mottmac.com</p>		<p>Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-PW-2000 Sheet 1 of 1</p>	
<p>PHASE 3: PRELIMINARY DESIGN</p>		<p>Coordination: --- Approved: --- Scale @A1: NTS Scale @A3: NTS Acceptance: S Purpose: P1 Rev: P01.1</p>	
<p>Rev: P01.1</p>	<p>Date: 23/09/22</p>	<p>Drawn: R. O'CONNOR</p>	<p>Eng Check: ---</p>

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



**LEGEND**  
 RETAINED TRACK WITH SINGLE DIRECTIONAL TRAVEL  
 PROPOSED TRACK

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 Amiens Street  
 Dublin 1  
 D01 V8V6



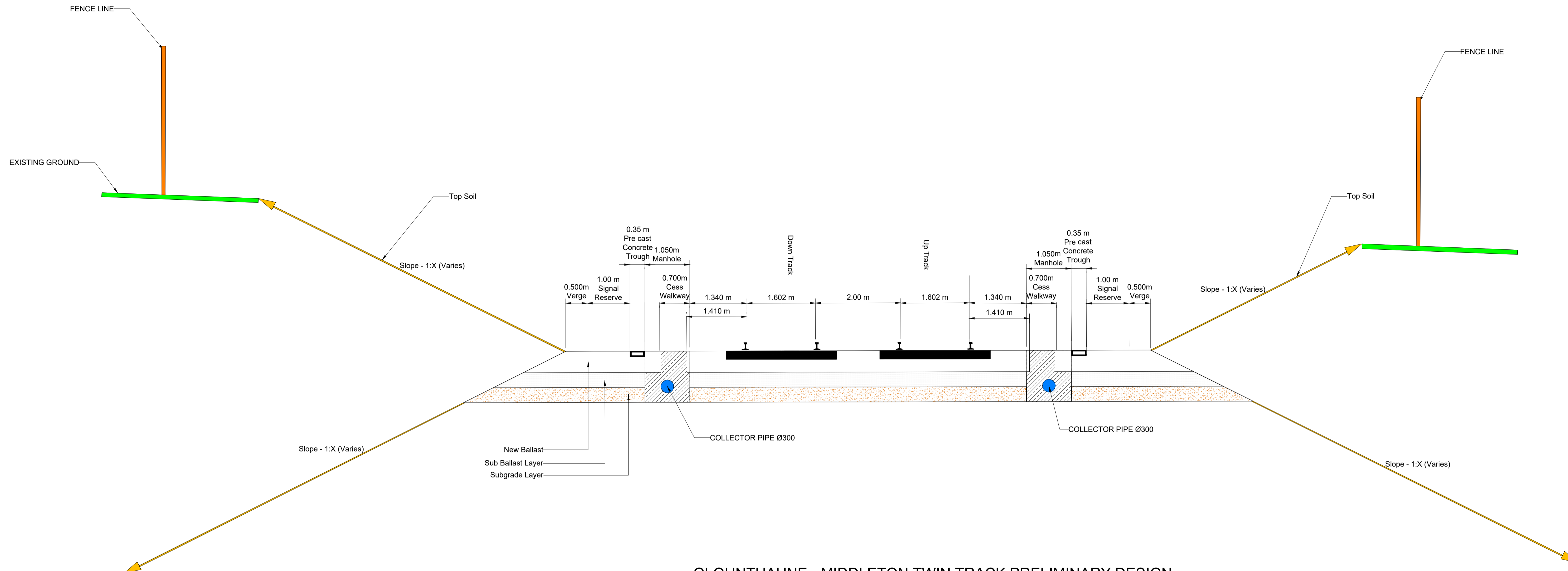
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Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RT	BB	JM	Preliminary Design for Public Consultation
P02	22/07/22	IM	NS	---	Preliminary Design for Public Consultation
P03	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

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

Project Title	CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDDLETON TWIN TRACK		
Drawing Title	PROPOSED TRACK SCHEMATIC		
Drawing File Name	C745-WP3_03-XX-XX-XXX-DR-MMD-CE-3001	Sheet	1 of 1
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1:	N/A	Acceptance	S
Scale @A3:	1:2000	Purpose	P1
		Rev	P03

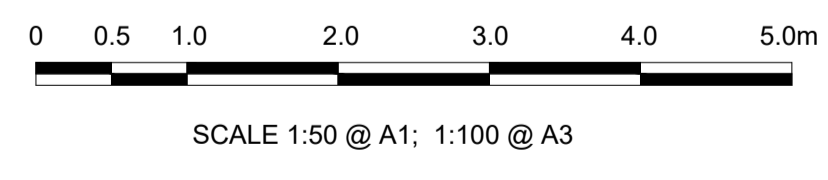
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**GLOUNTHAUNE - MIDDLETON TWIN TRACK PRELIMINARY DESIGN  
TYPICAL CROSS SECTION**

1:50 @ A1  
1:100 @ A3

- NOTES:**
- All dimension in metres.
  - Drainage design in accordance with I-PWY-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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**Iarnród Éireann  
Irish Rail**

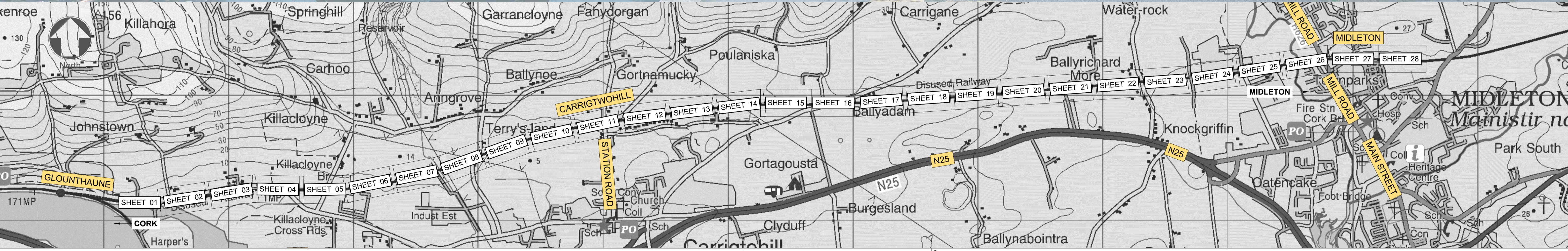
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Date	Designed	Drawn	Dwg check
22/09/22	R.Tiwari	R.OCONNOR	K.STEPHENS
Date	Eng Check	Appr	Description
13/06/22	RT NS JM		Preliminary Design for Public Consultation
22/09/22	RO NS JM		PHASE 3: PRELIMINARY DESIGN
Rev	Date	Drawn	Eng Check
Drawing File Name		Sheet	
C745-WP3_03-XX-XX-XXX-DR-MMD-PW-0050		1 of 1	
Coordination	Approved	Scale @A1:	Acceptance
N.SAMACHETTY	J.MCINERNEY	NTS	S
Scale @A3:		1:50	
Purpose	Rev		
P1	P02		

# PERMANENT WAY PLANS

## DRAWING NUMBER

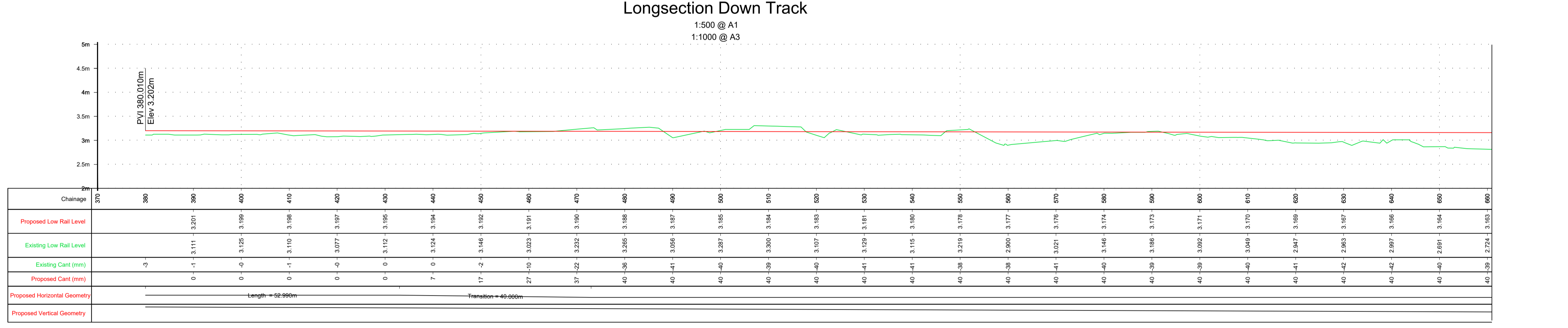
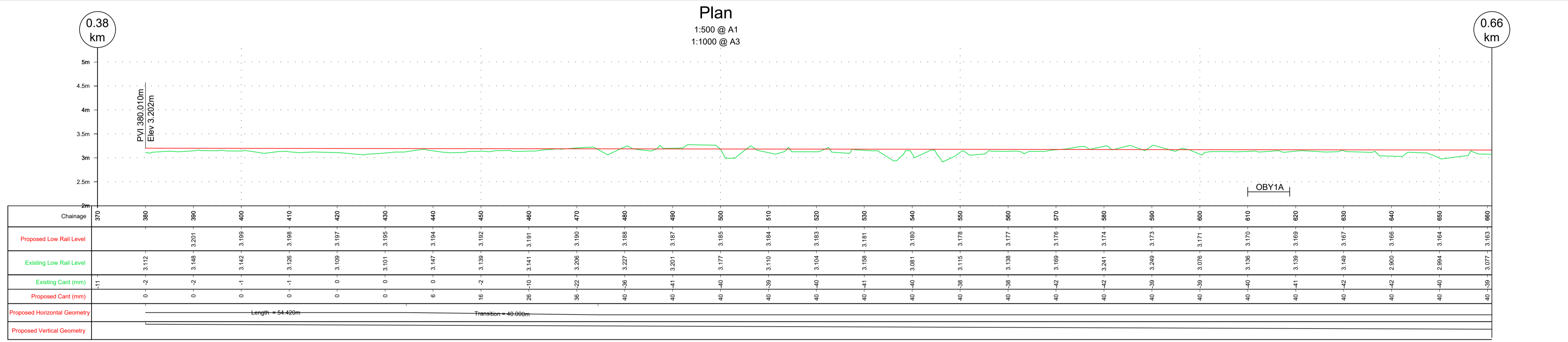
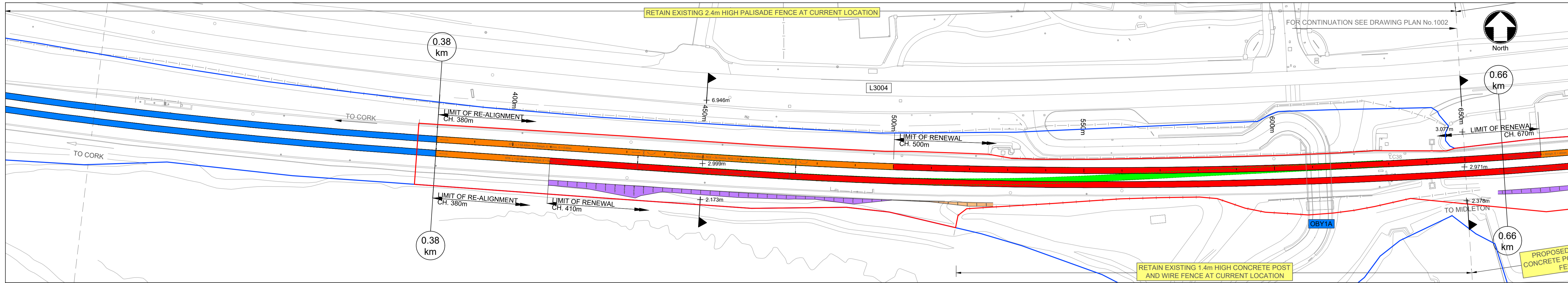
## DRAWING TITLE

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



# GLOUNTHAUNE - MIDLETON TWIN TRACK

<p>Client: Iarnród Éireann-Irish Rail Connolly Station Amiens Street Dublin 1 D01 V8V6</p>		<p>Project Title: CORK AREA COMMUTER RAIL GLOUNTHAUNE - MIDLETON TWIN TRACK</p>	
<p>Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY TITLE SHEET AND KEY PLAN</p>		<p>Drawing File Name: C745-WP3_03-XX-XX-XXX-DR-MMD-PW-1000 Sheet 1 of 1</p>	
<p>Date: 22/09/22 Designed: I.Mangourou Drawn: R.O'CONNOR Dwg check: G.BERCOT Eng check: N.SAMACHETTY</p>		<p>Rev: P01 Date: 22/09/22 RO: NS NS: JM JM: PHASE 3: PRELIMINARY DESIGN</p>	
<p>Coordination: N.SAMACHETTY Approved: J.MCINERNEY Scale @A1: NTS Scale @A3: NTS</p>		<p>Acceptance: S Purpose: P1 Rev: P01</p>	



### Longsection Up Track

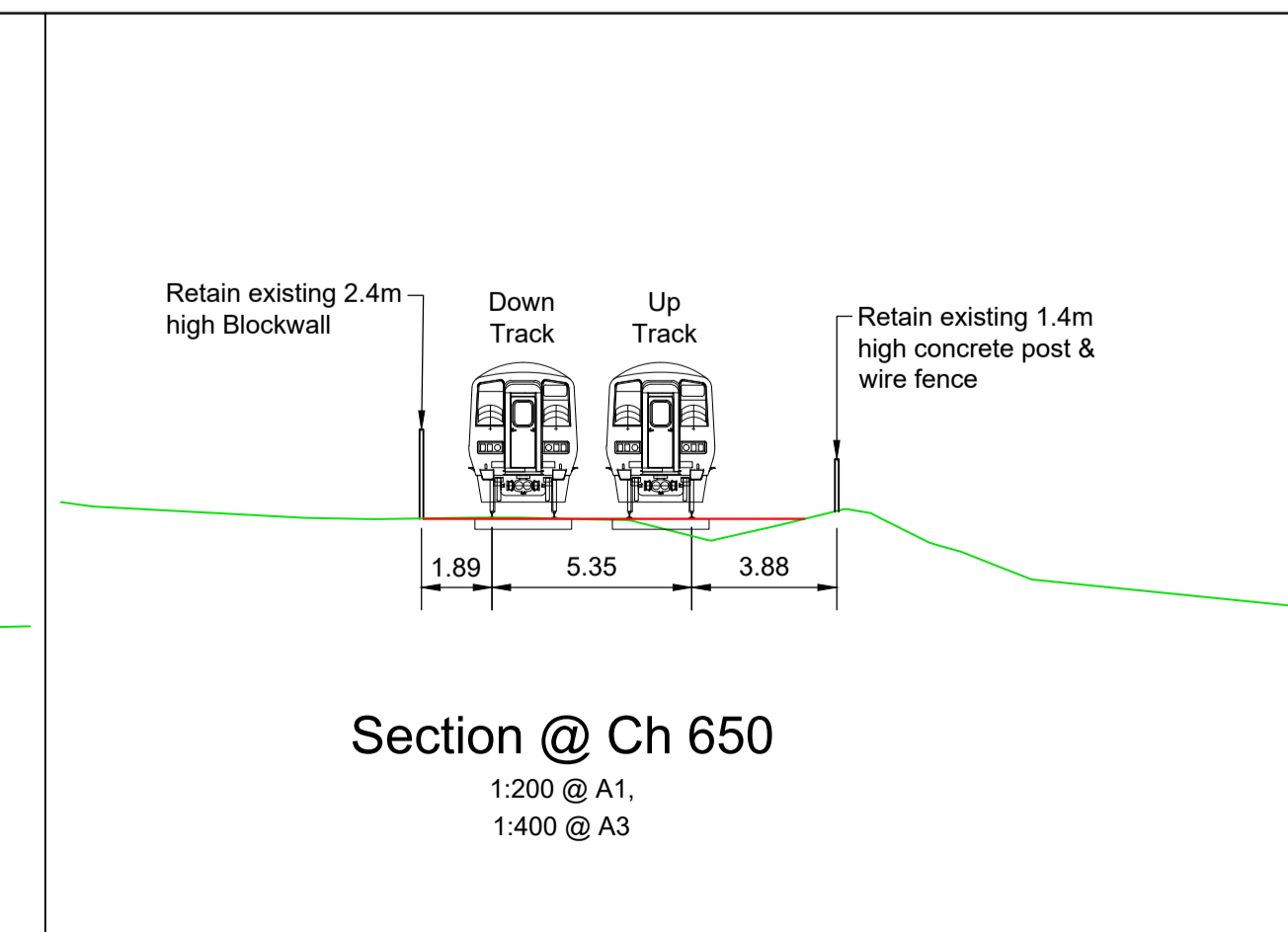
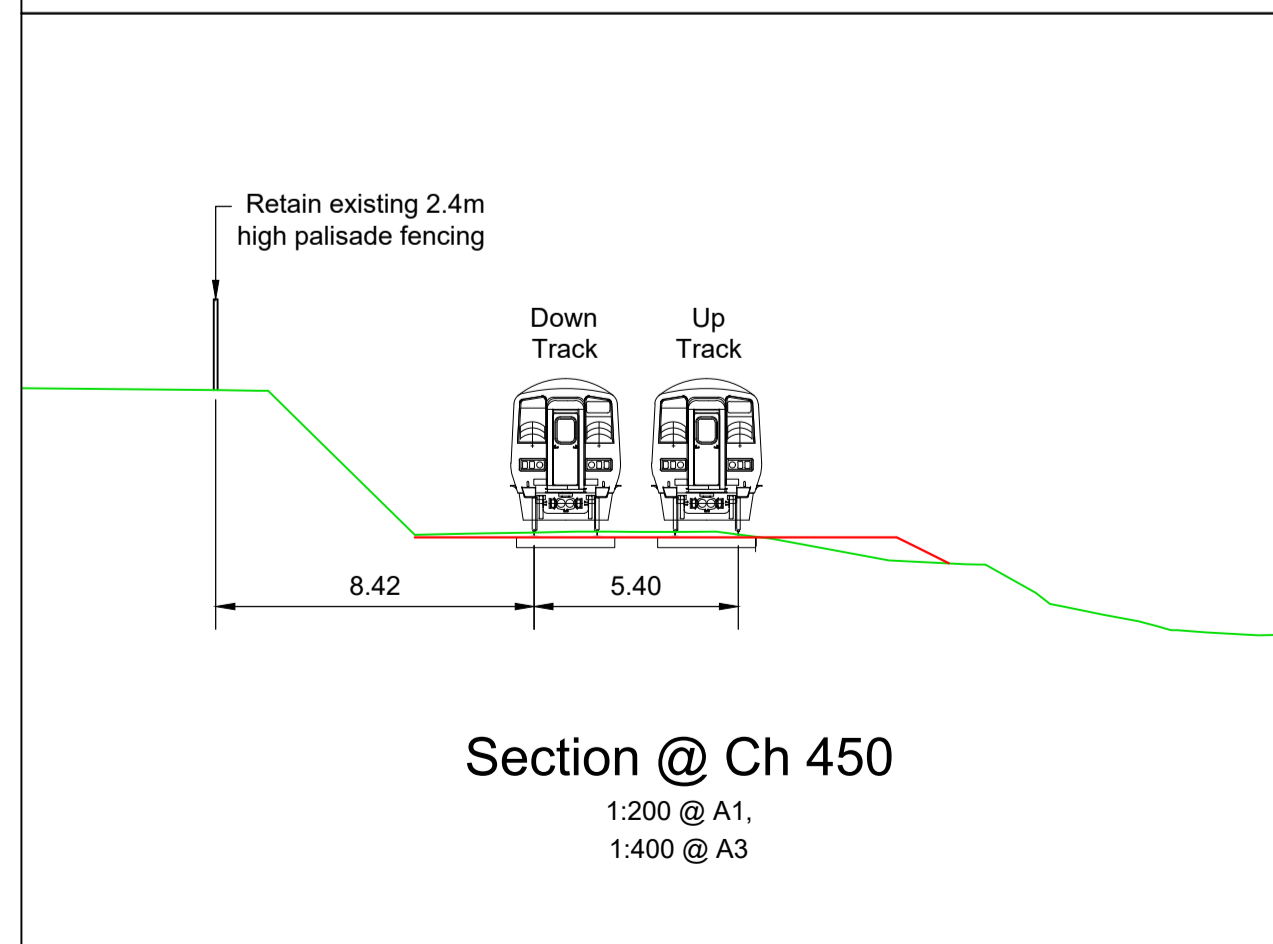
1:500 @ A1, 1:1000 @ A3

#### LEGEND

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- TOP OF EMBANKMENT
- TOP OF EXISTING
- 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)



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

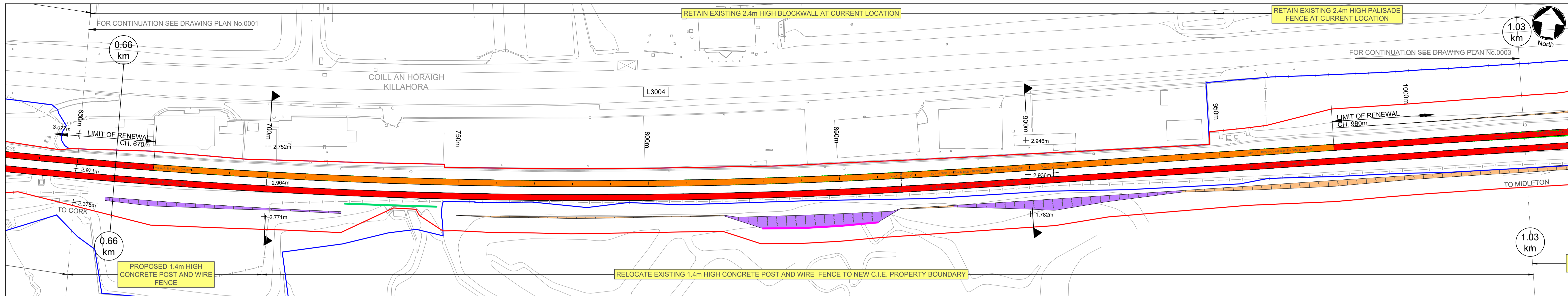
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CH380 TO CH660**

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

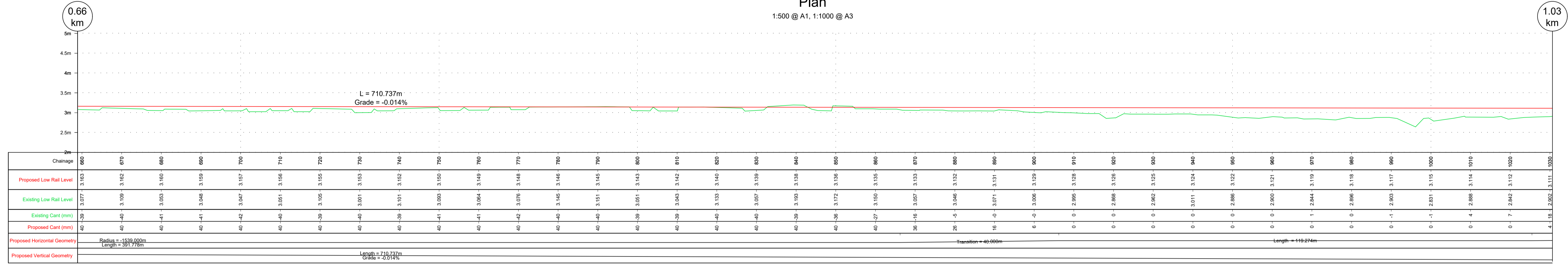
Date	22/09/22	Designed	D. ALDERSON	Drawn	R. O'CONNOR	Dwg check	G. BERCOT	Eng check	N. SAMACHETTY
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Drawing File Name: **C745-WP3 03-XX-XX-XXX-DR-MMD-PW-0001** Sheet 1 of 28

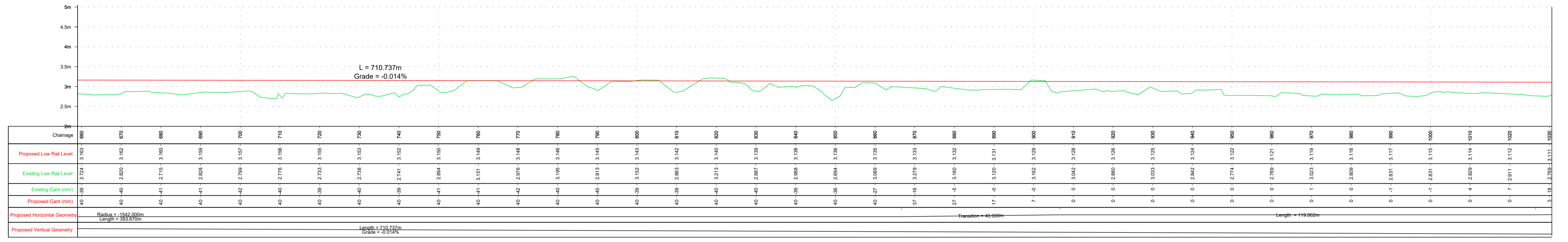
Coordination: N. SAMACHETTY Approved: J. MCINERNEY Scale @A1: 1:500 Scale @A3: AS SHOWN Acceptance: S Purpose: P1 Rev: P03



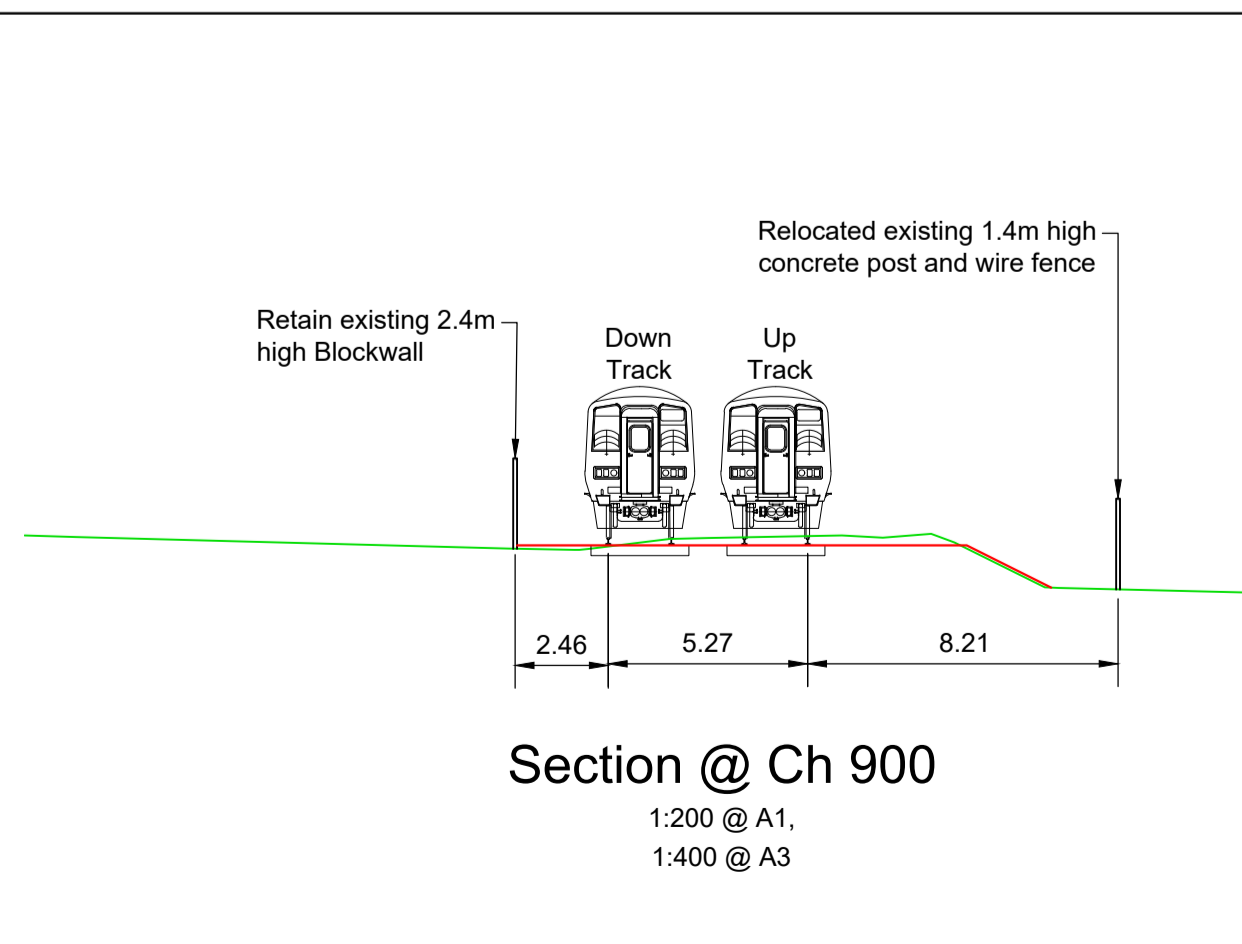
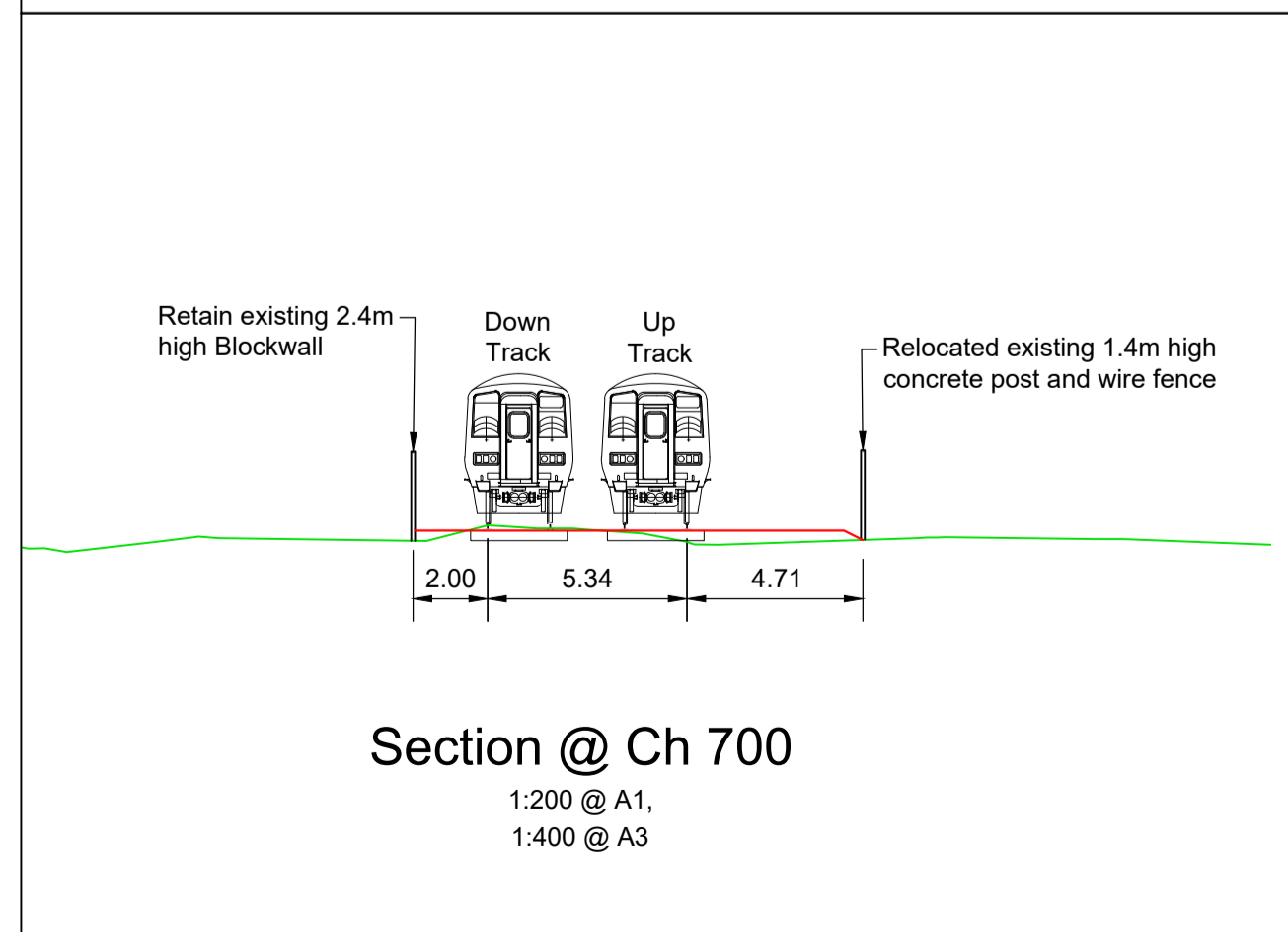
Plan  
1:500 @ A1, 1:1000 @ A3



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
- 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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- SIDINGS
- PROPOSED TRACKWORK
- EXISTING TRACKWORK TO BE REMOVED

NOTES

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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
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

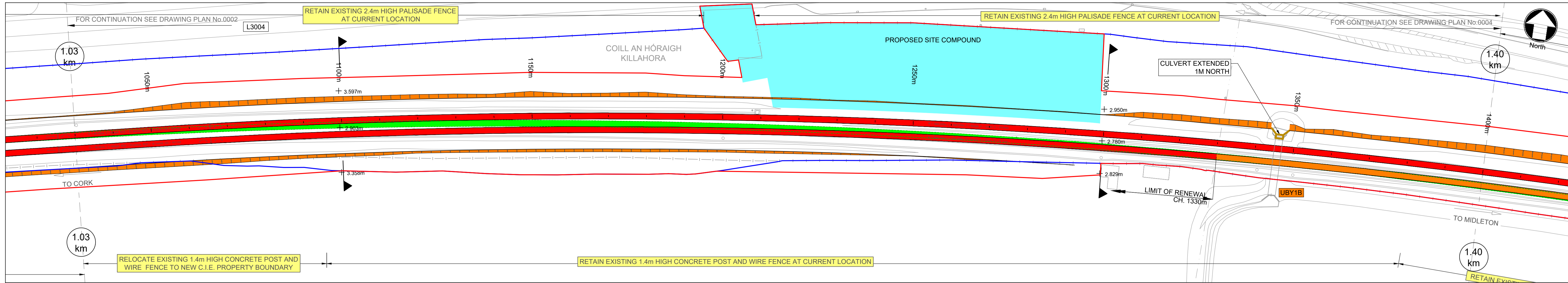
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CH660 TO CH1030

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Sheet 2 of 28

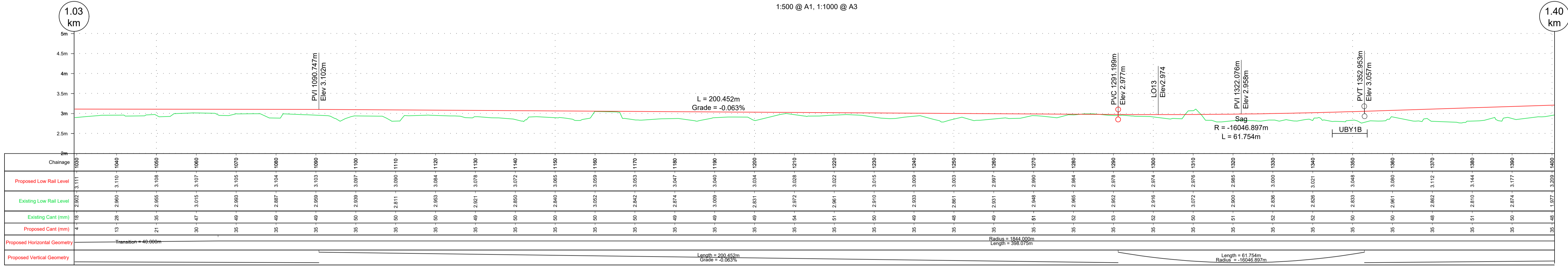
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22/09/22	D. ALDERSON	R. O'CONNOR	G. BERCOT	N. SAMACHETTY

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Scale @A3: AS SHOWN

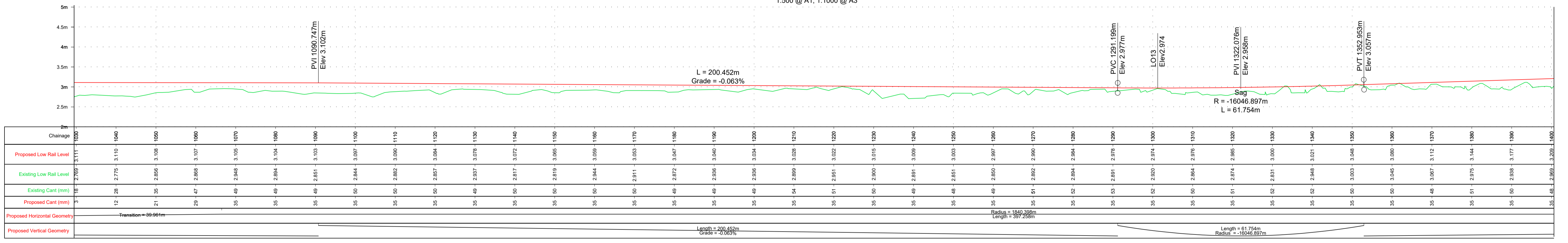
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Rev: P03



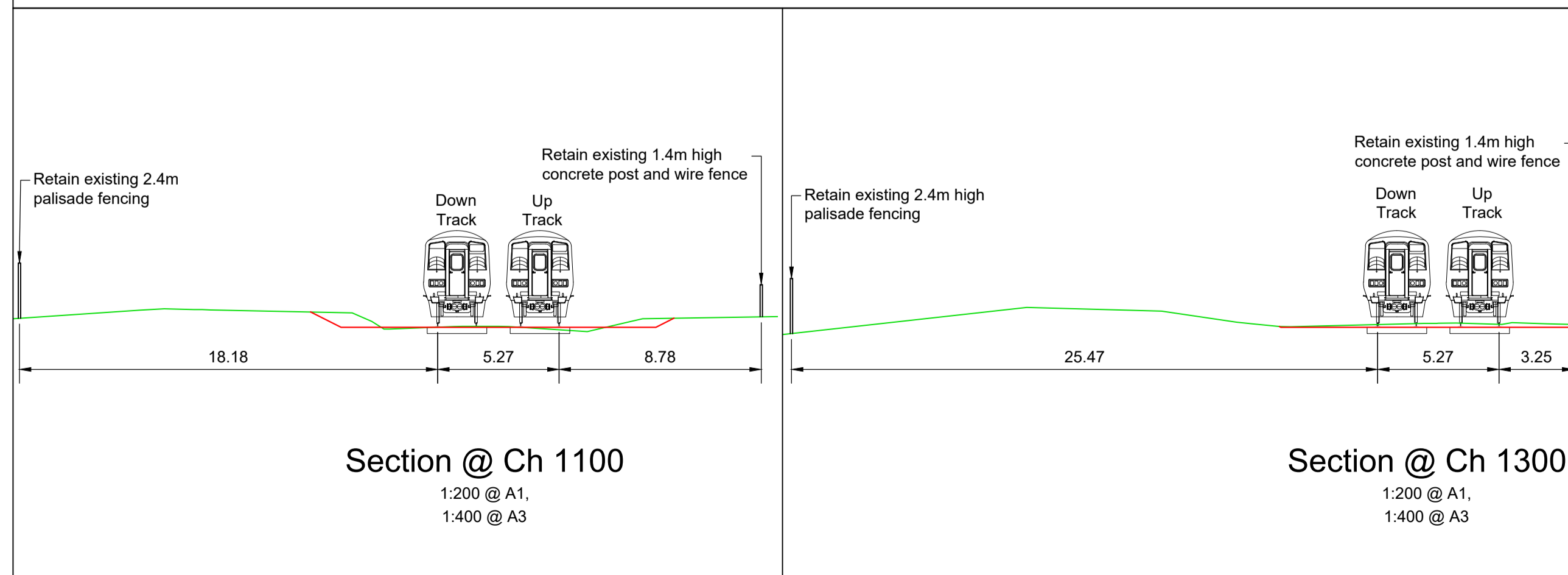
Plan  
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Longsection Down Track  
1:500 @ A1, 1:1000 @ A3



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
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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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**Iarnród Éireann Irish Rail**

**CIE**

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

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY  
CH1030 TO CH1400

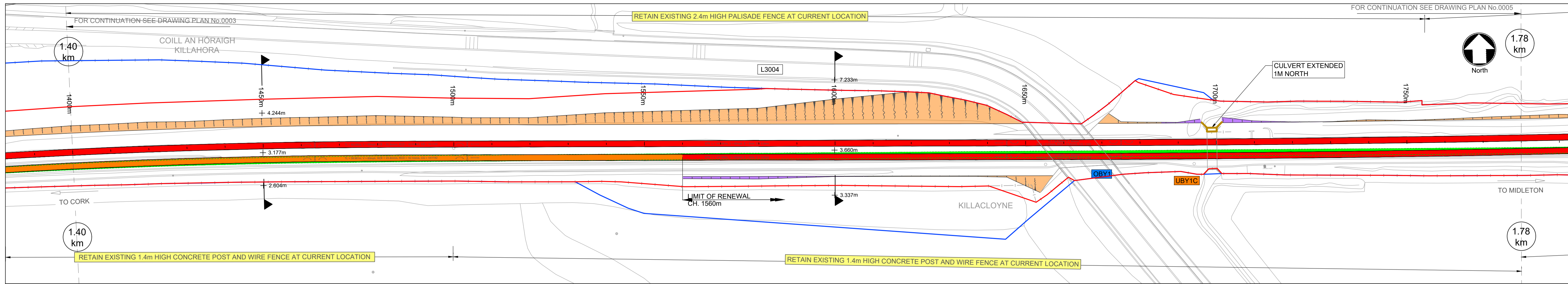
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Sheet 3 of 28

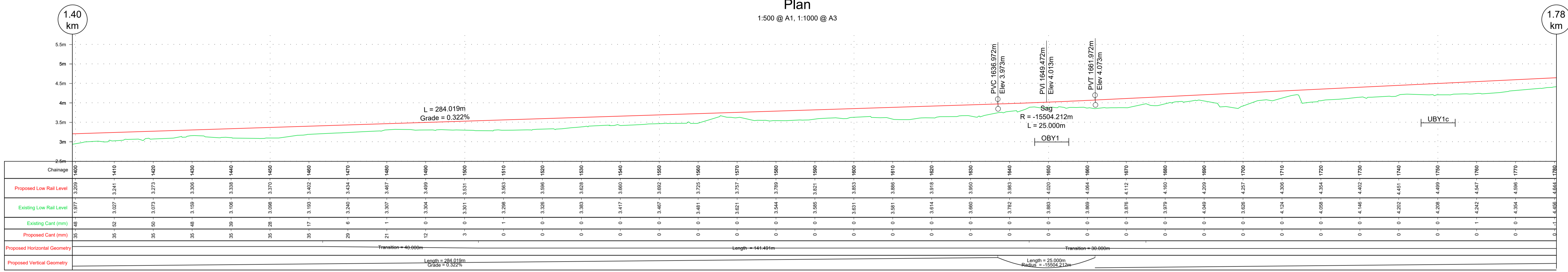
Date: 22/09/22  
Designed: D. ALDERSON  
Drawn: R. O'CONNOR  
Dwg check: G. BERCOT  
Eng check: N. SAMACHETTY

Coordination: N. SAMACHETTY  
Approved: J. MCINERNEY  
Scale @A1: 1:500  
Scale @A3: AS SHOWN  
Acceptance: S  
Purpose: P1  
Rev: P03

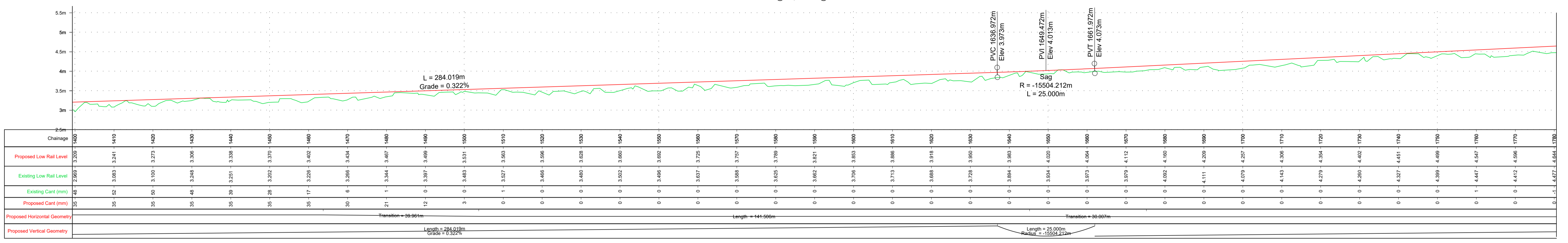




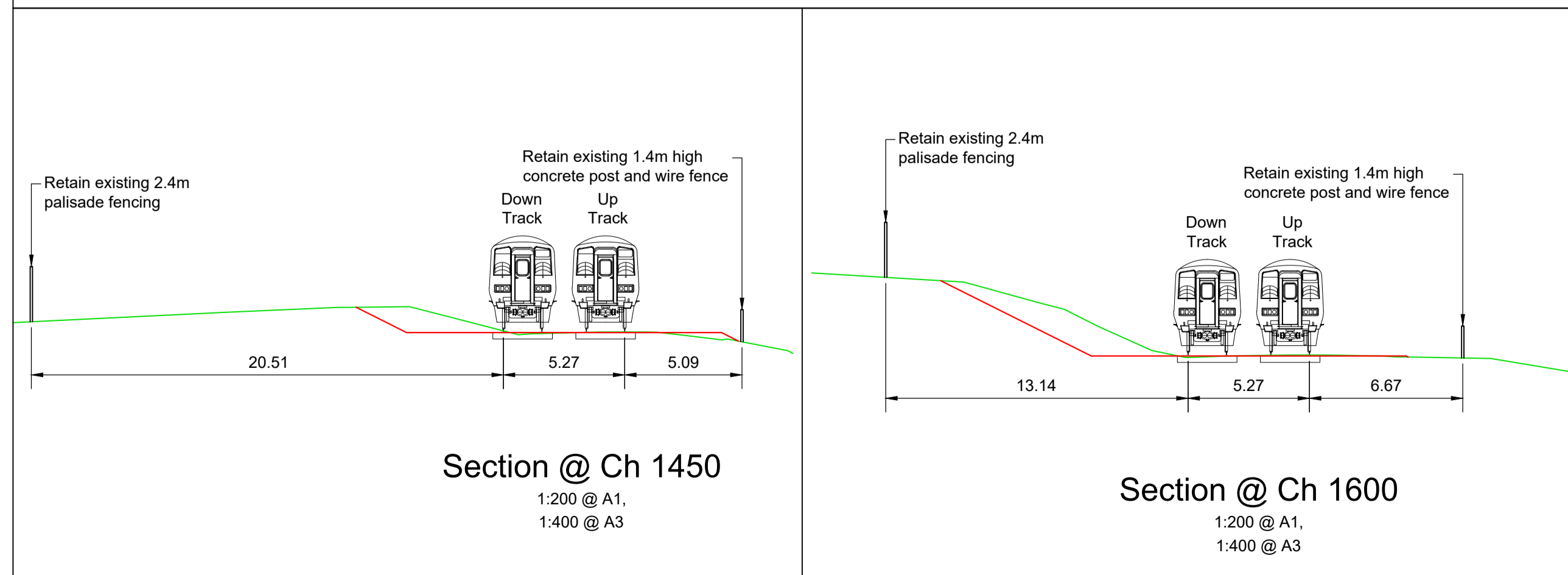
Plan  
1:500 @ A1, 1:1000 @ A3



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



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



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

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

**LEGEND**

- DEVELOPMENT BOUNDARY
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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
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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Amiens Street  
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**Iarnród Éireann Irish Rail**

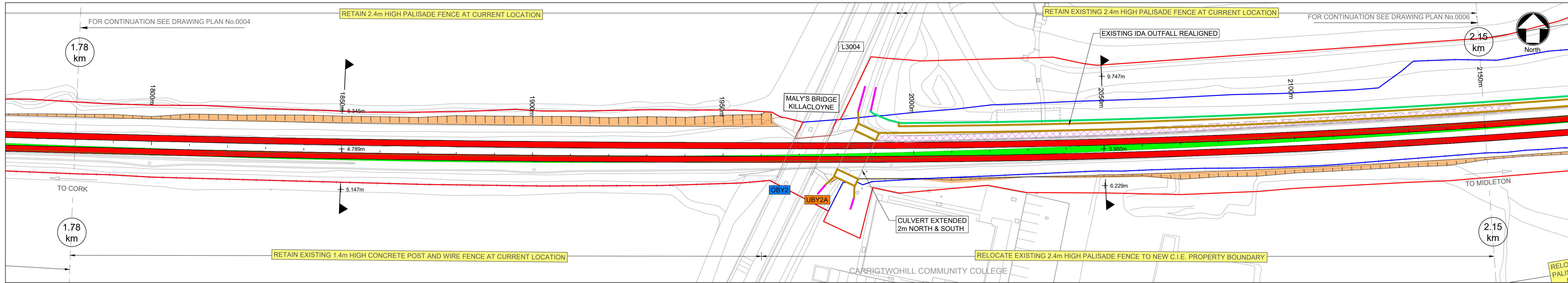
Project Title: CORK AREA COMMUTER RAIL  
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY  
CH1400 TO CH1780

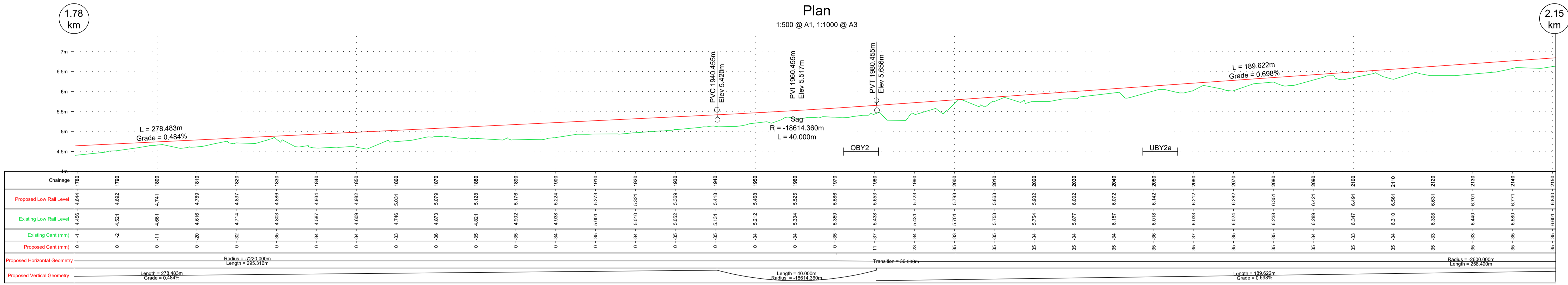
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Sheet 4 of 28

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

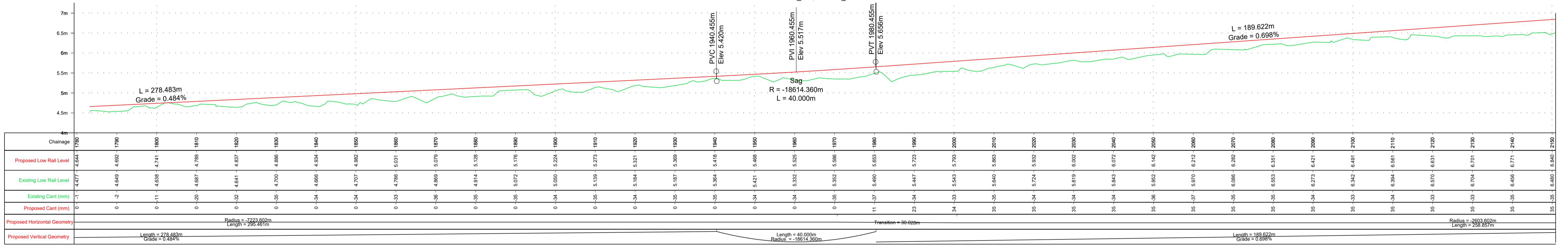
Coordination	Approved	Scale @A1:	Acceptance	Purpose	Rev
N.SAMACHETTY	J.MCINERNEY	1:500	S	P1	P03



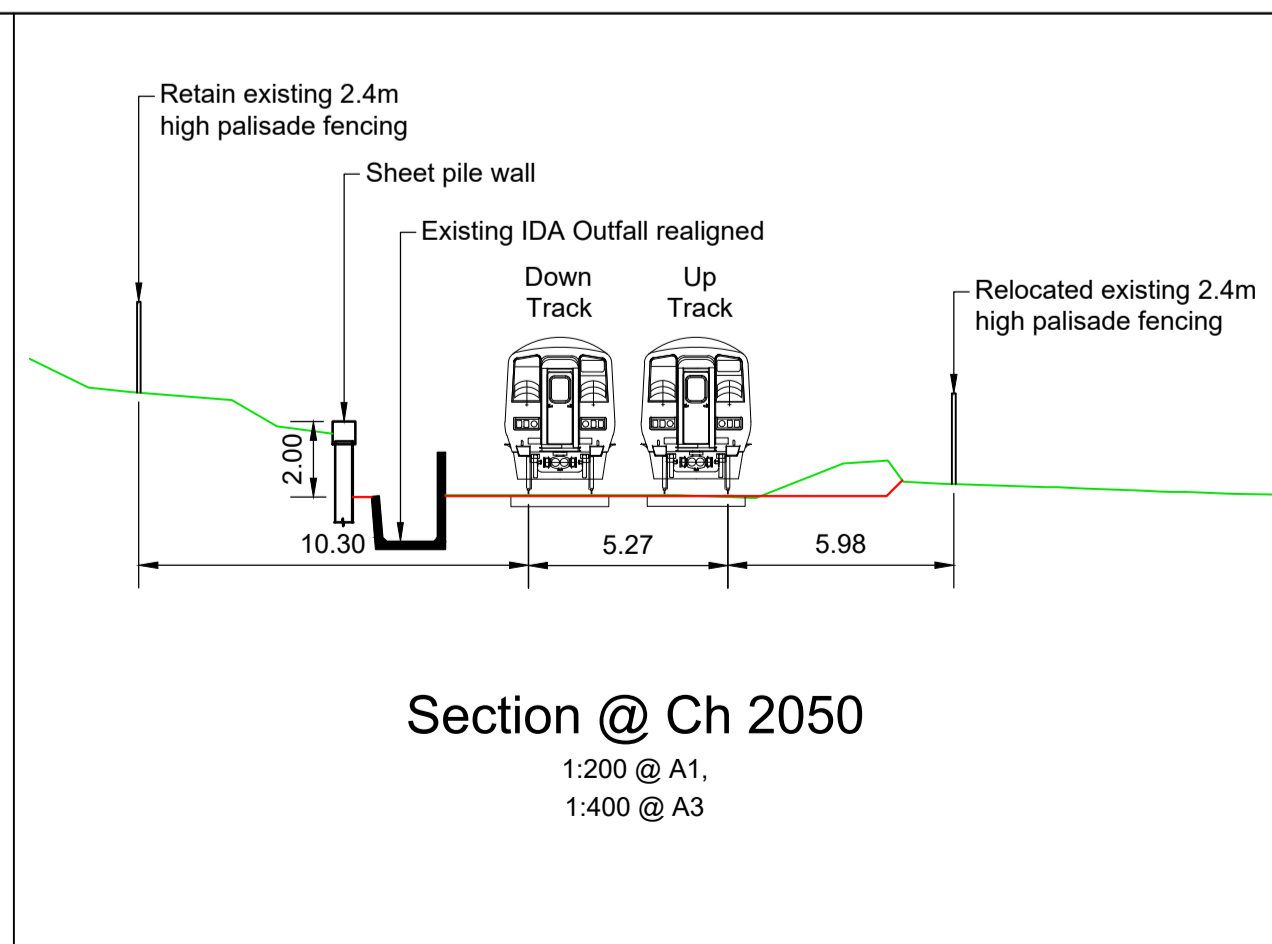
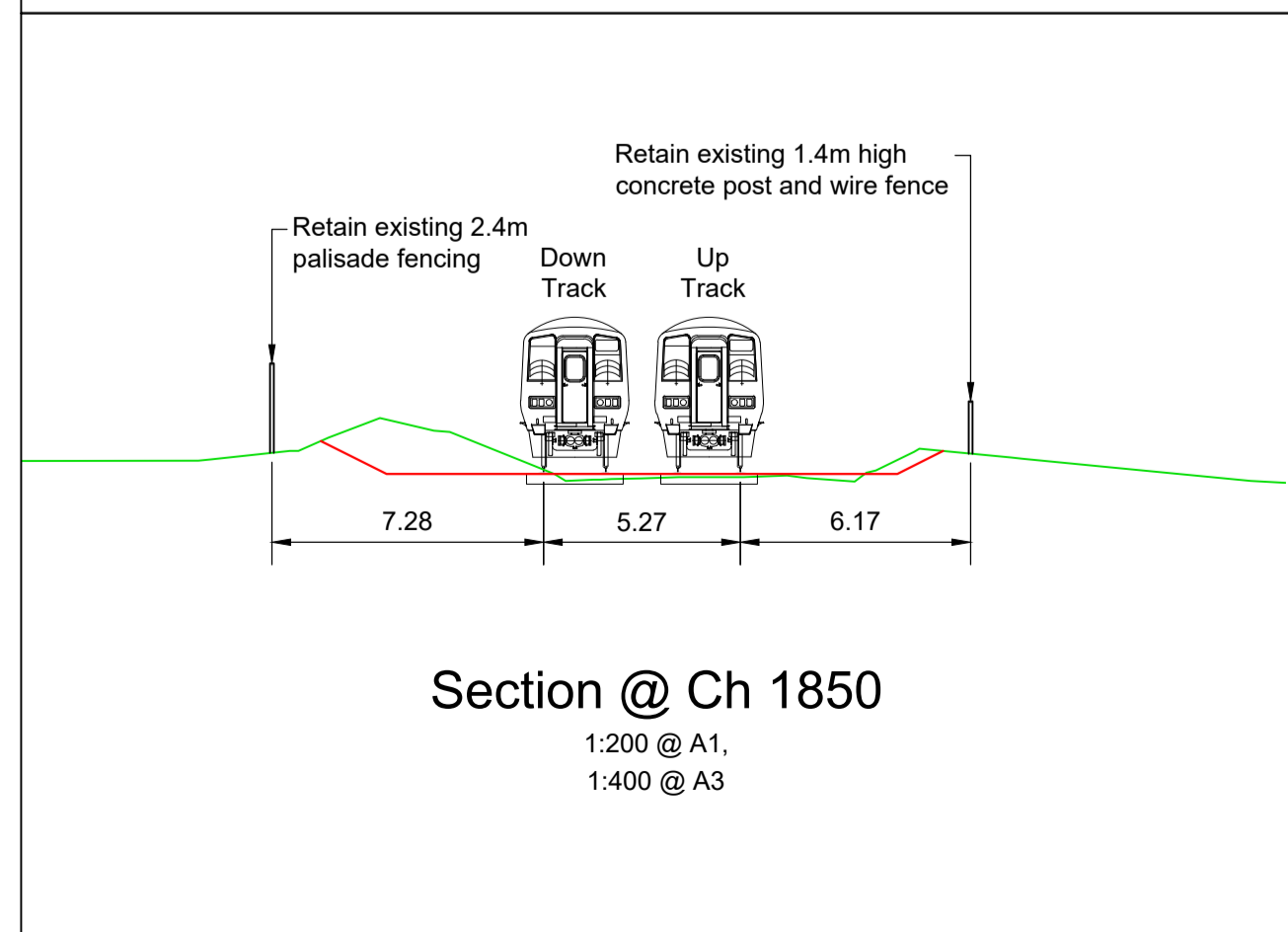
Plan  
1:500 @ A1, 1:1000 @ A3



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



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



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)

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	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

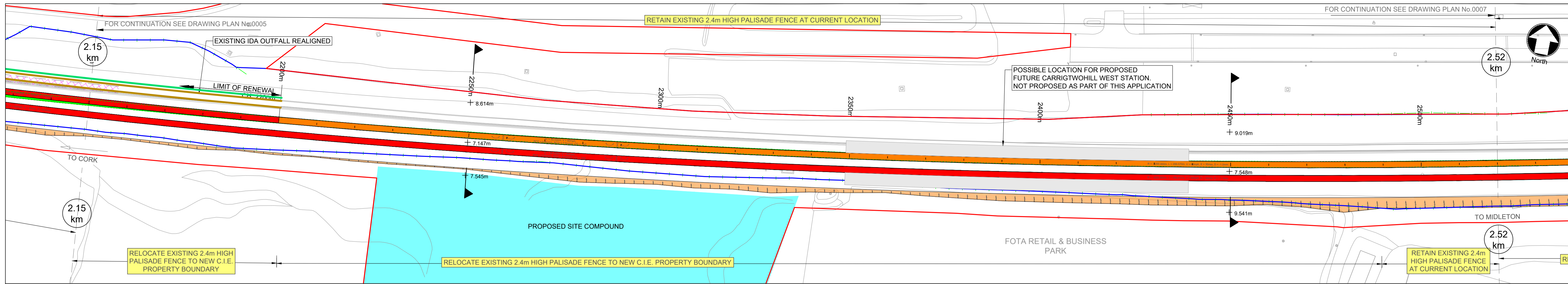
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CH1780 TO CH2150

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-PW-0005

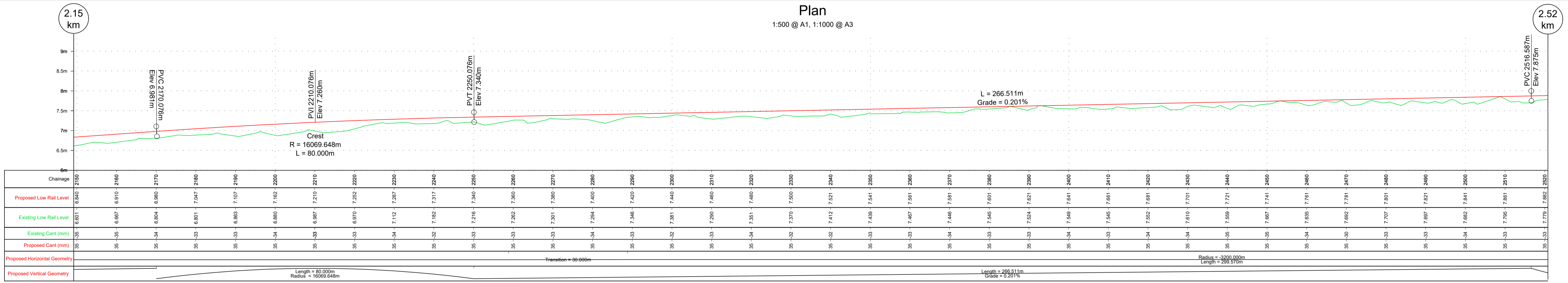
Sheet 5 of 28

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

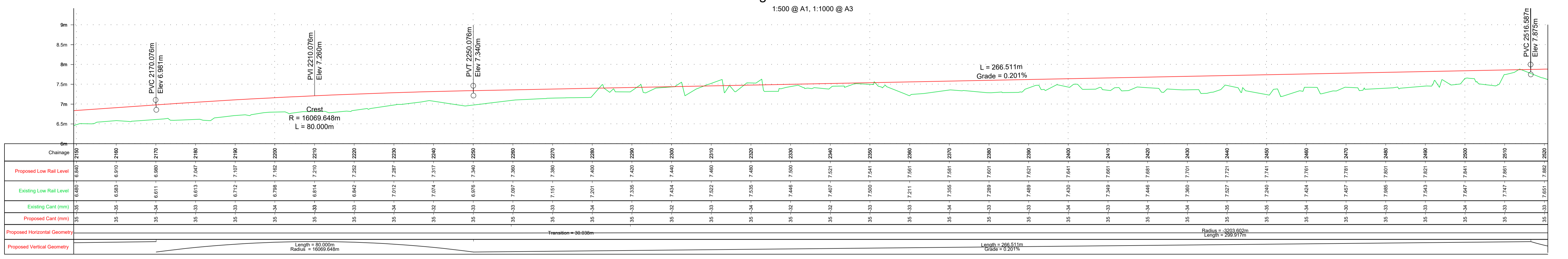
Coordination: N. SAMACHETTY  
Approved: J. MCINERNEY  
Scale @A1: 1:500  
Scale @A3: AS SHOWN  
Acceptance: S  
Purpose: P1  
Rev: P03



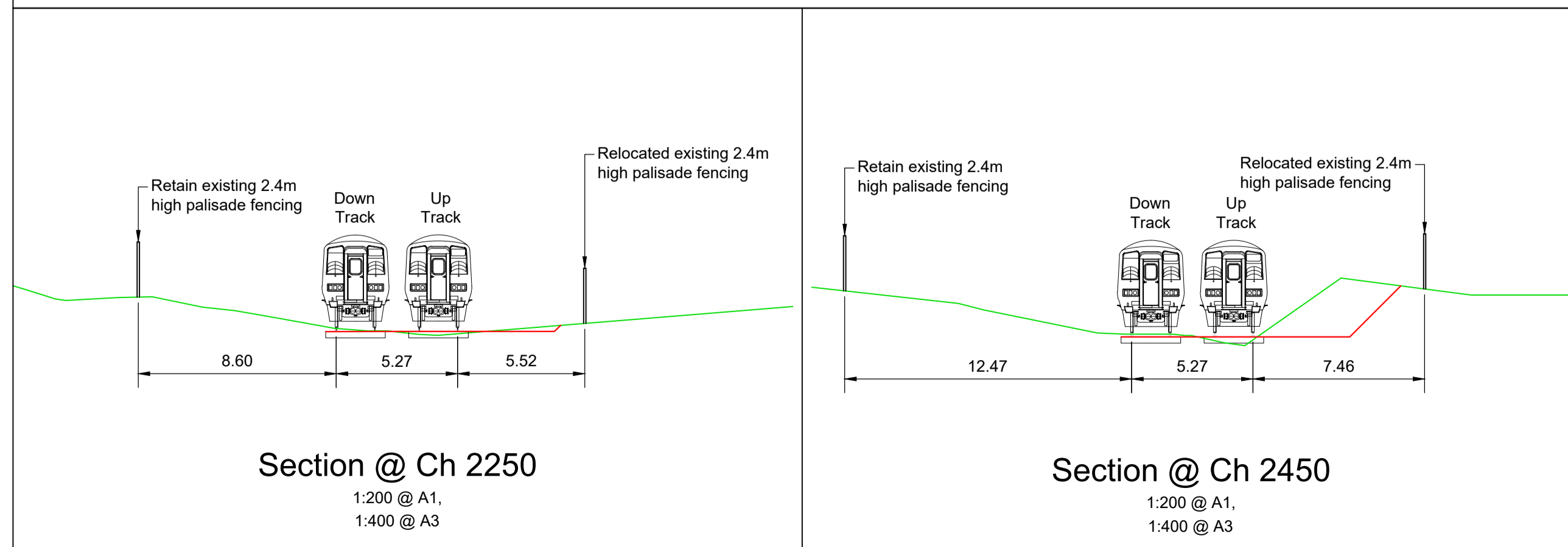
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1:500 @ A1, 1:1000 @ A3



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



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



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

Section @ Ch 2450  
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
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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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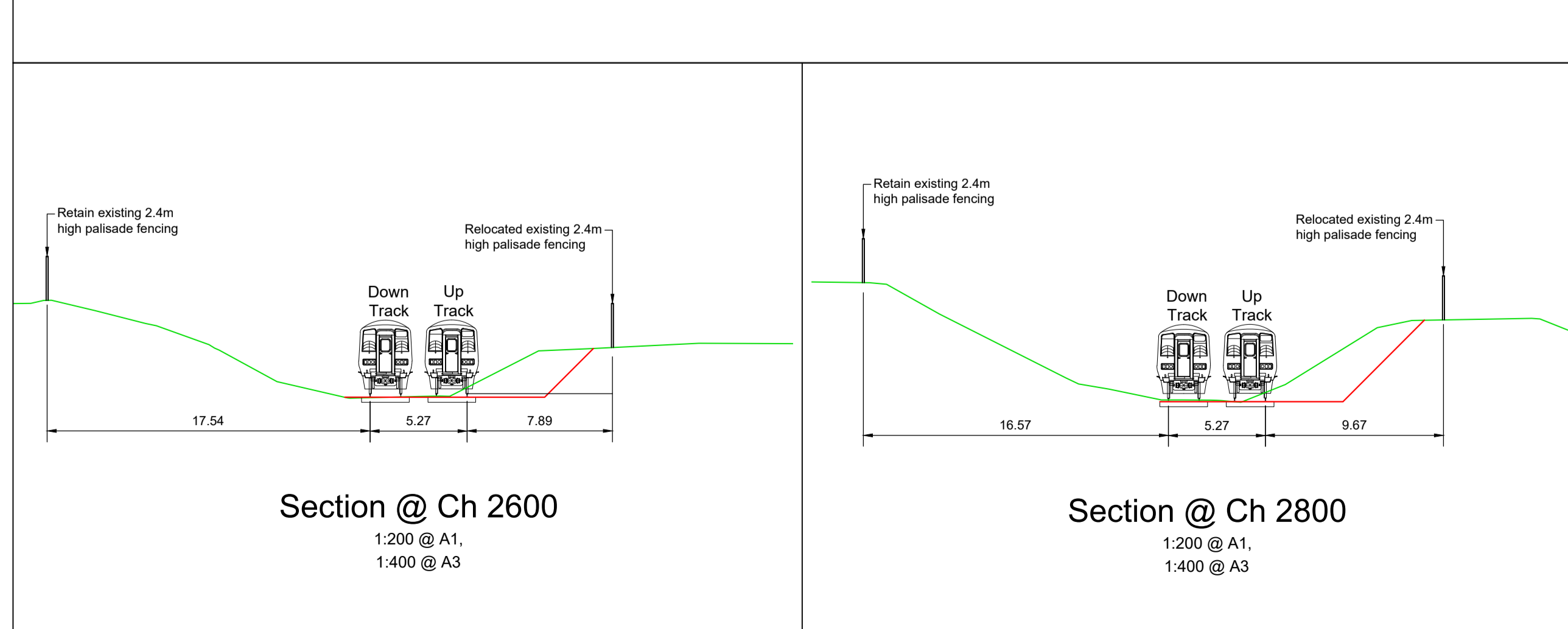
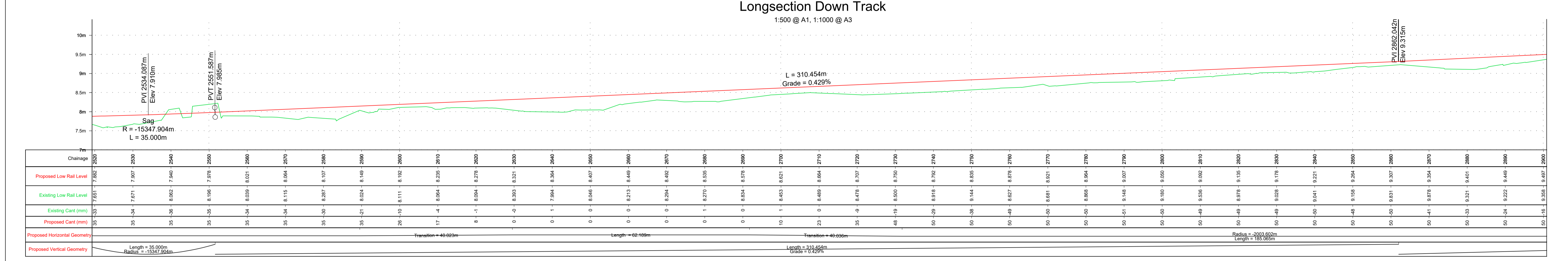
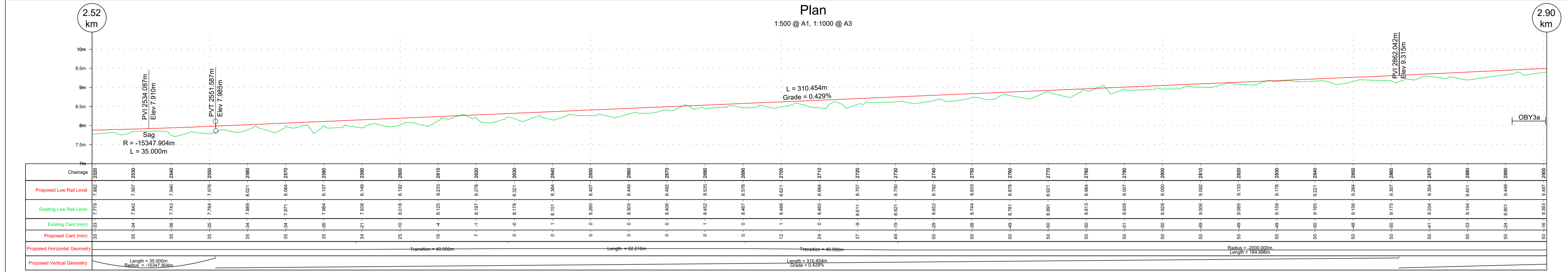
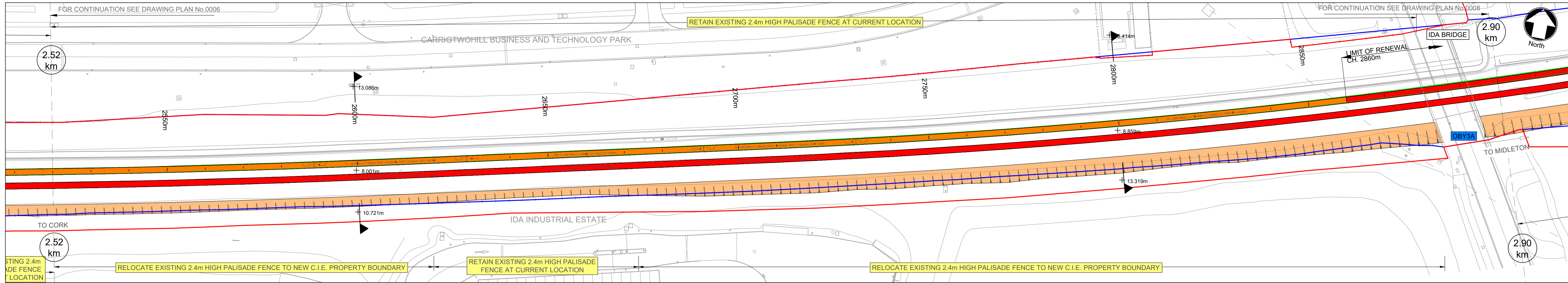
Project Title: CORK AREA COMMUTER RAIL  
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY  
CH2150 TO CH2520

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-PW-0006  
Sheet 6 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  
Scale @A1: 1:500  
Scale @A3: AS SHOWN  
Acceptance: 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 OVERBRIDGE TO BE DEMOLISHED
- EXISTING UNDERBRIDGE
- EXISTING UNDERBRIDGE TO BE EXTENDED/WIDENED
- EXISTING RUNNING LINES
- EXISTING TRACK SLUED OR MODIFIED
- SIDINGS
- PROPOSED TRACKWORK
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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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**CIE**

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

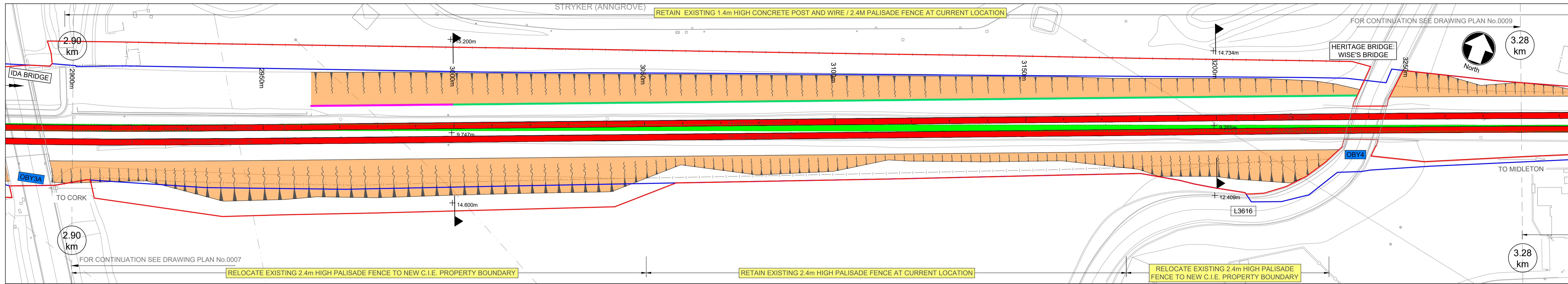
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CH2520 TO CH2900

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

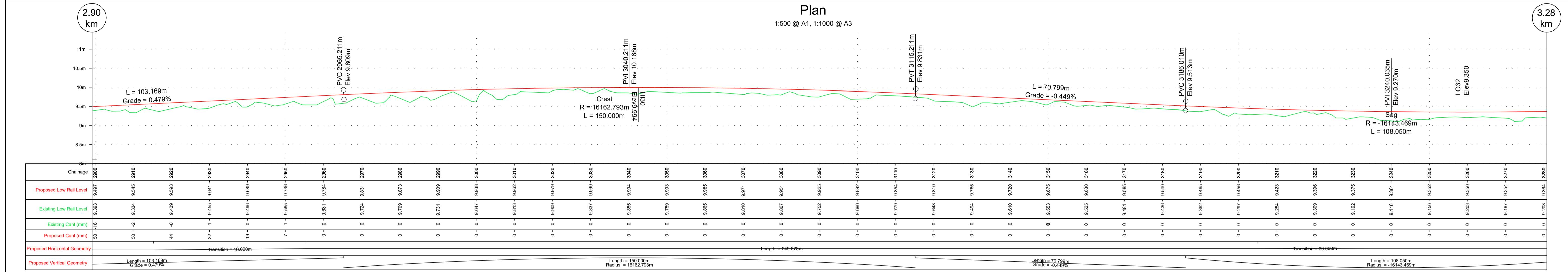
Sheet 7 of 28

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

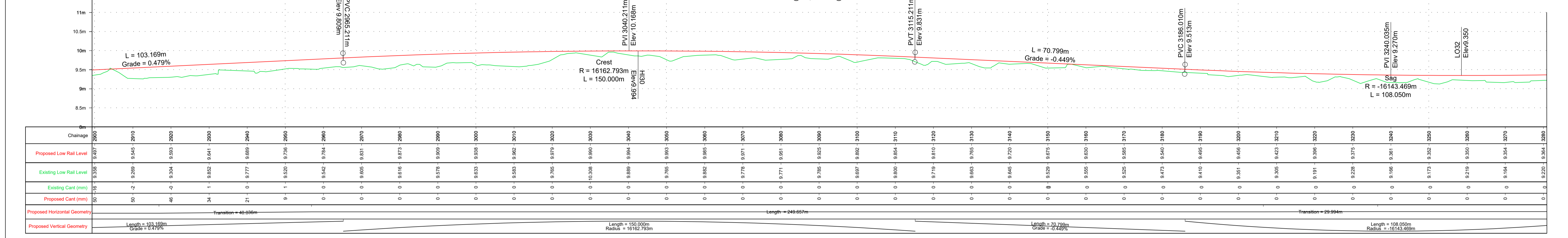
Coordination	Approved	Scale @A1:	Acceptance	Purpose	Rev
N.SAMACHETTY	J.MCINERNEY	1:500	S	P1	P03



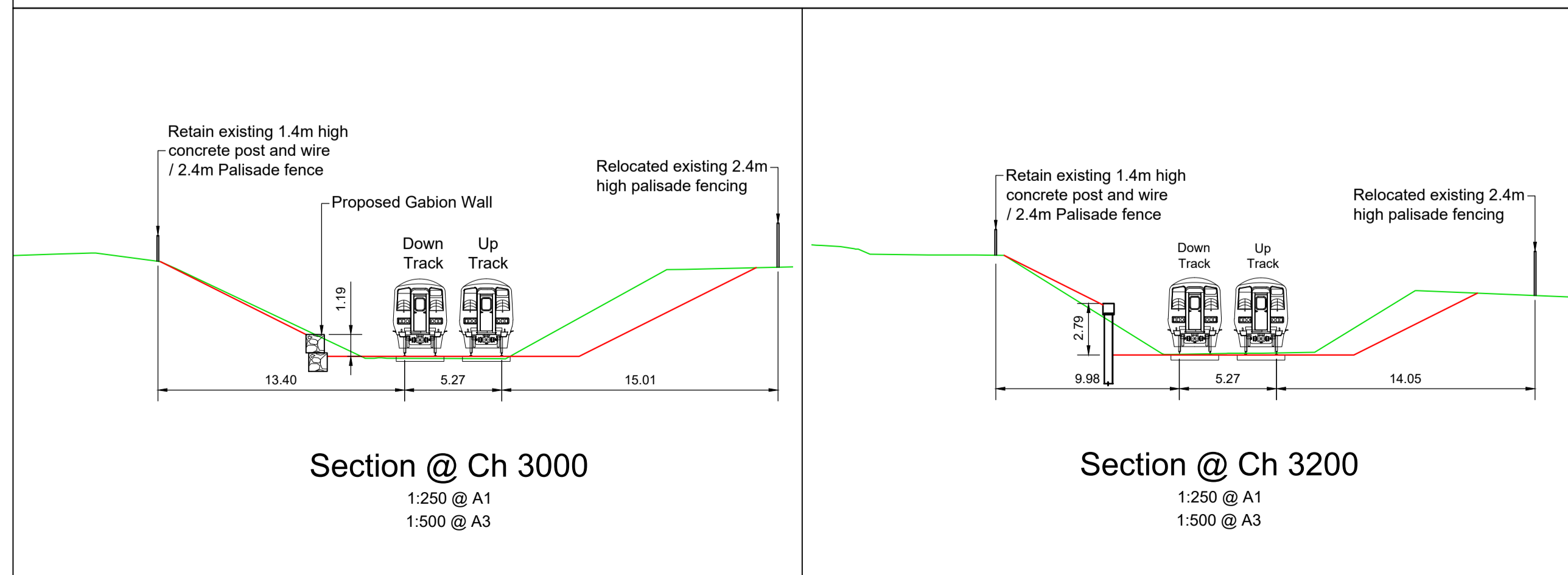
Plan  
1:500 @ A1, 1:1000 @ A3



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



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



**LEGEND**

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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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**Iarnród Éireann Irish Rail**

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

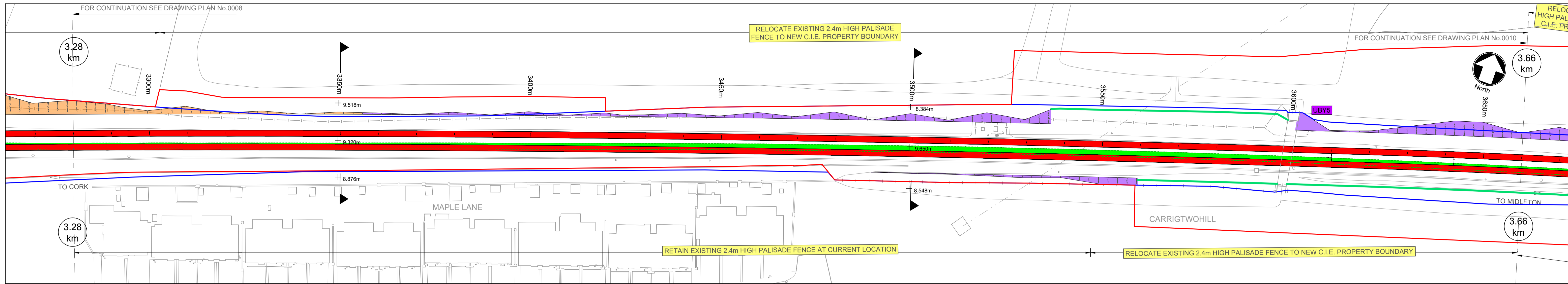
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CH2900 TO CH3280

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-PW-0008

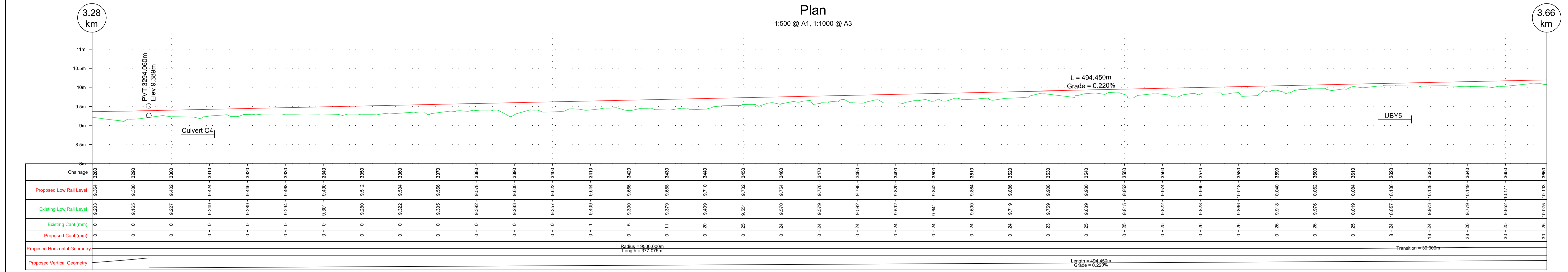
Sheet 8 of 28

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

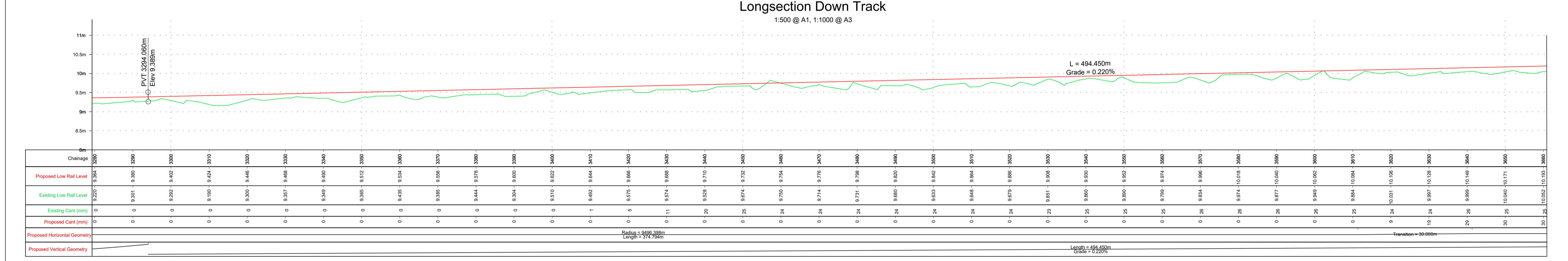
Coordination	Approved	Scale @A1:	Acceptance	Purpose	Rev
N.SAMACHETTY	J.MCINERNEY	1:500	S	P1	P03



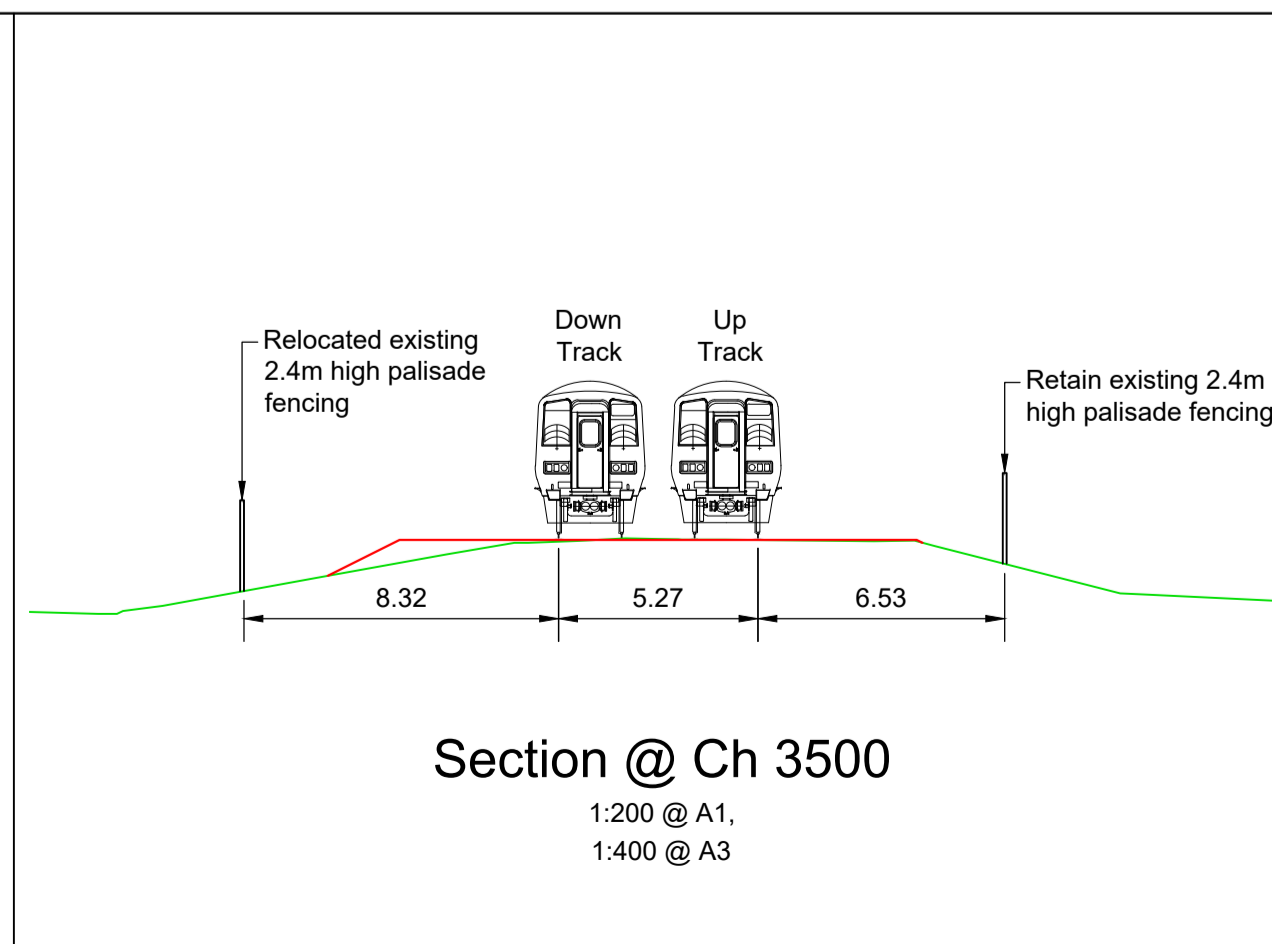
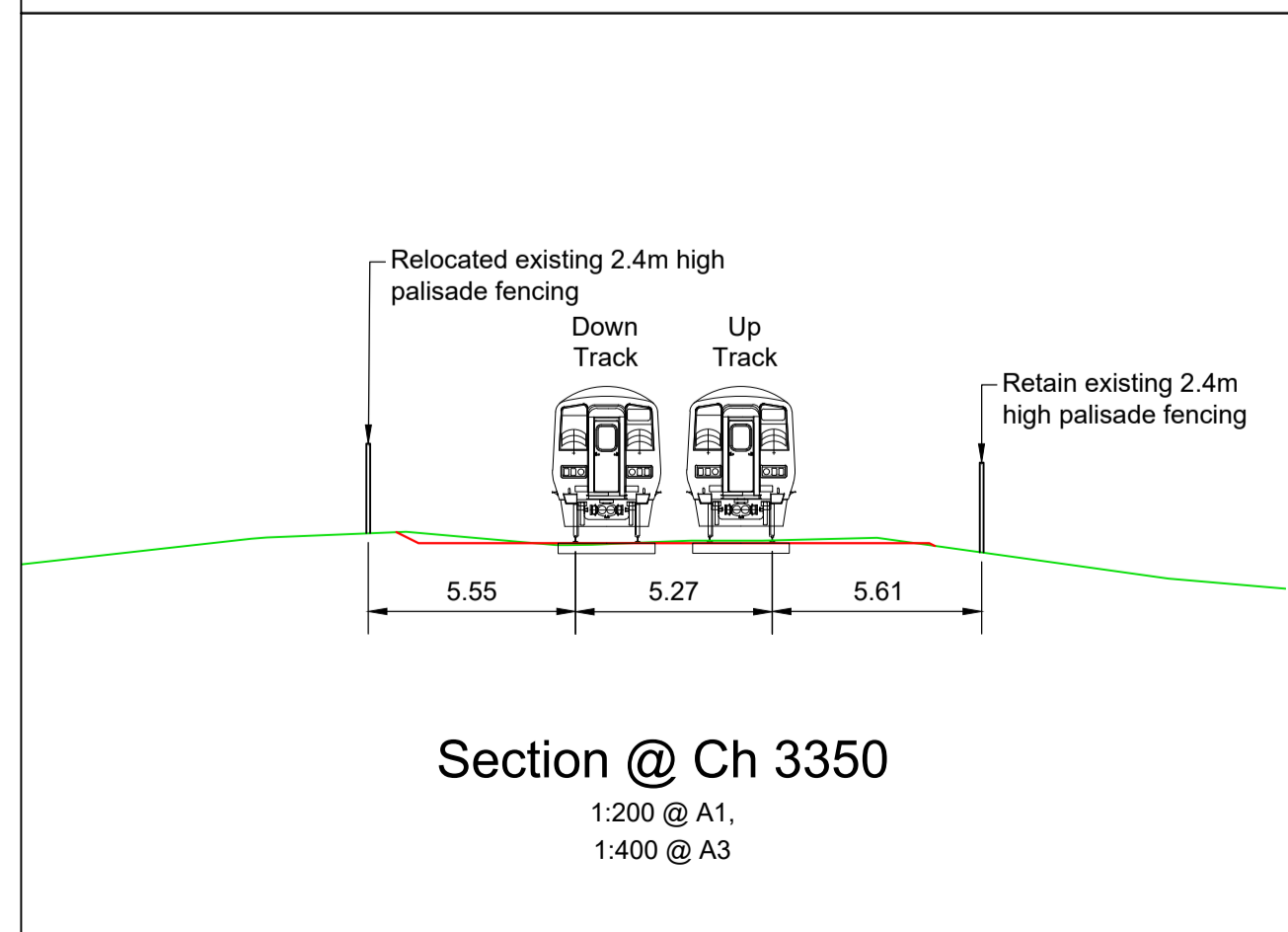
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Longsection Down Track  
1:500 @ A1, 1:1000 @ A3

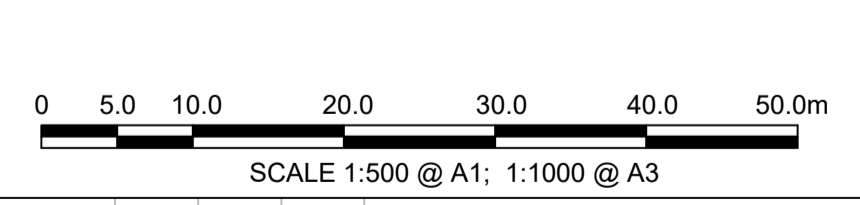


Longsection Up Track  
1:500 @ A1, 1:1000 @ A3



- LEGEND
- DEVELOPMENT BOUNDARY
  - CIE LAND OWNERSHIP
  - EXISTING FENCING
  - 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
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P03	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

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D01 V6V6

**Iarnród Éireann Irish Rail**

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

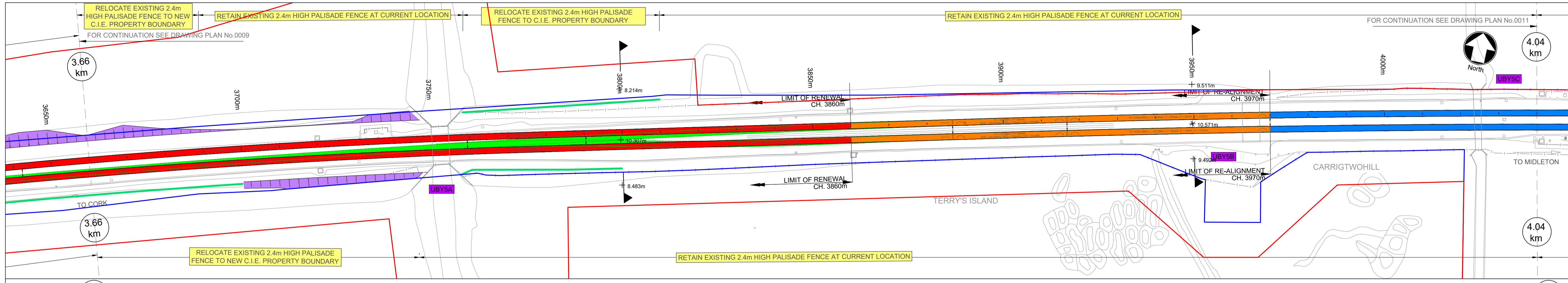
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CH3280 TO CH3600

Drawing File Name: C745-WP3\_03-XX-XX-XXX-DR-MMD-PW-0009

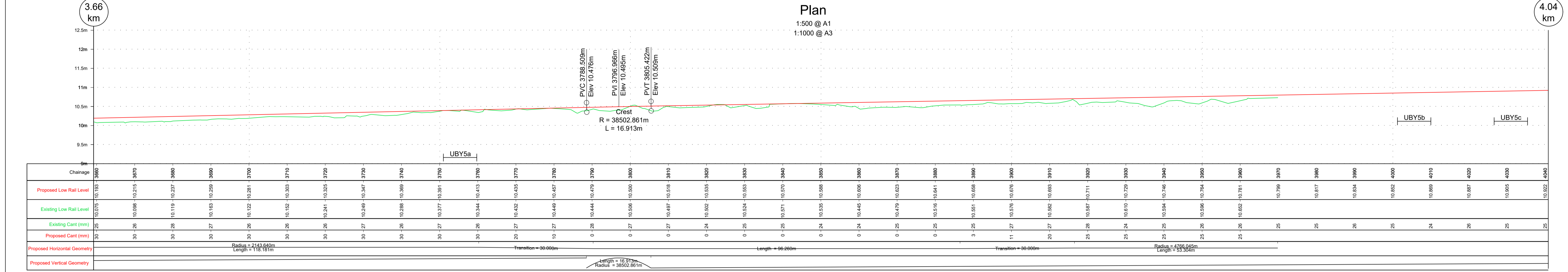
Sheet 9 of 28

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	Scale @A1: 1:500 Scale @A3: AS SHOWN	Acceptance: S	Purpose: P1	Rev: P03
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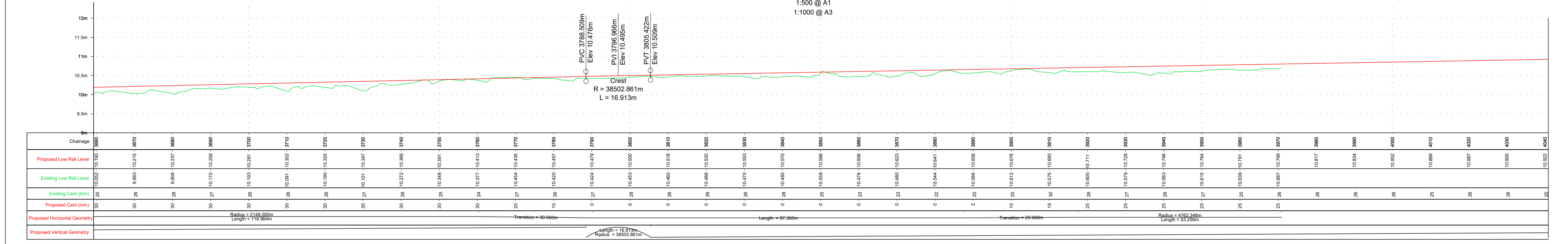
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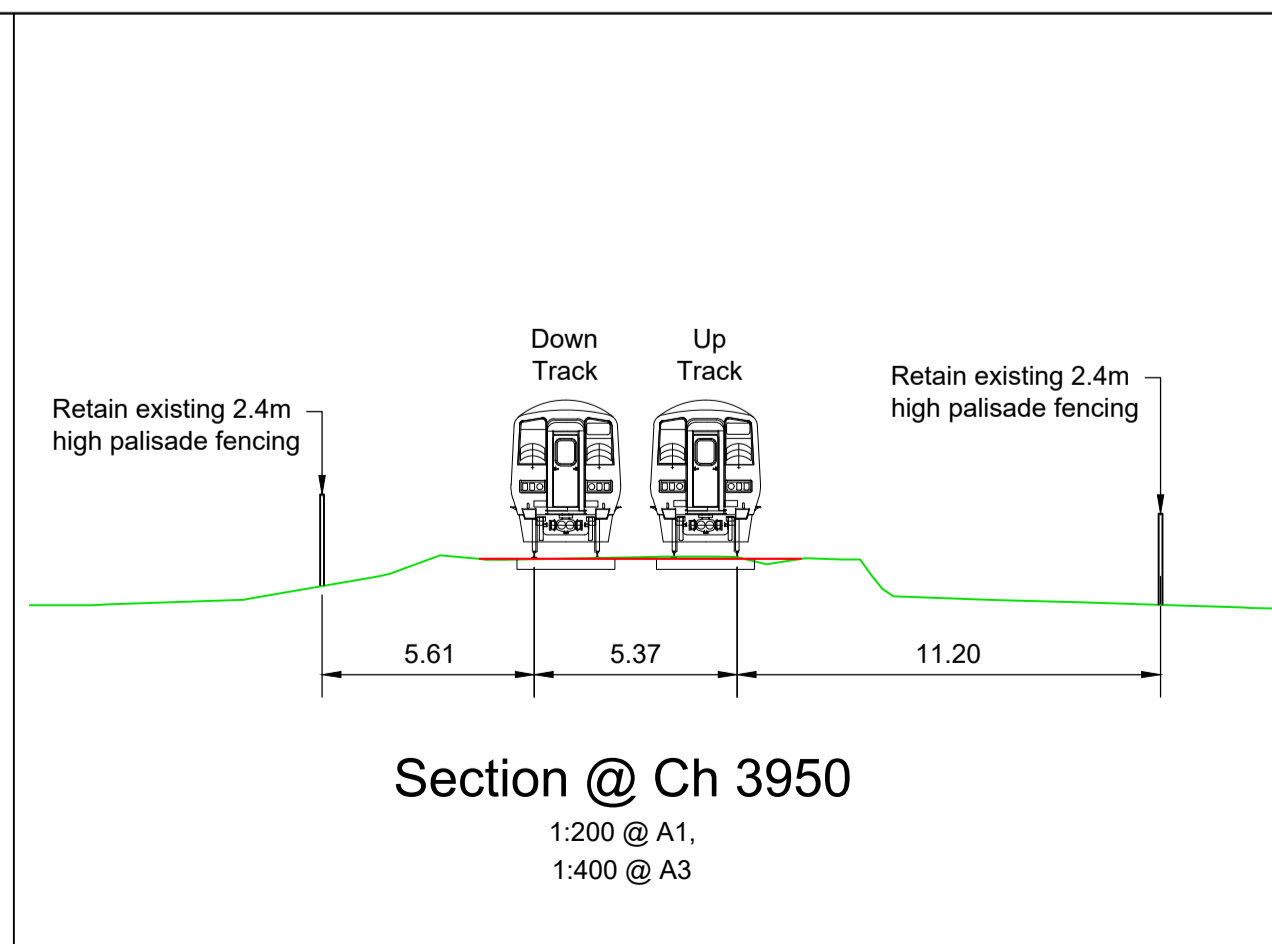
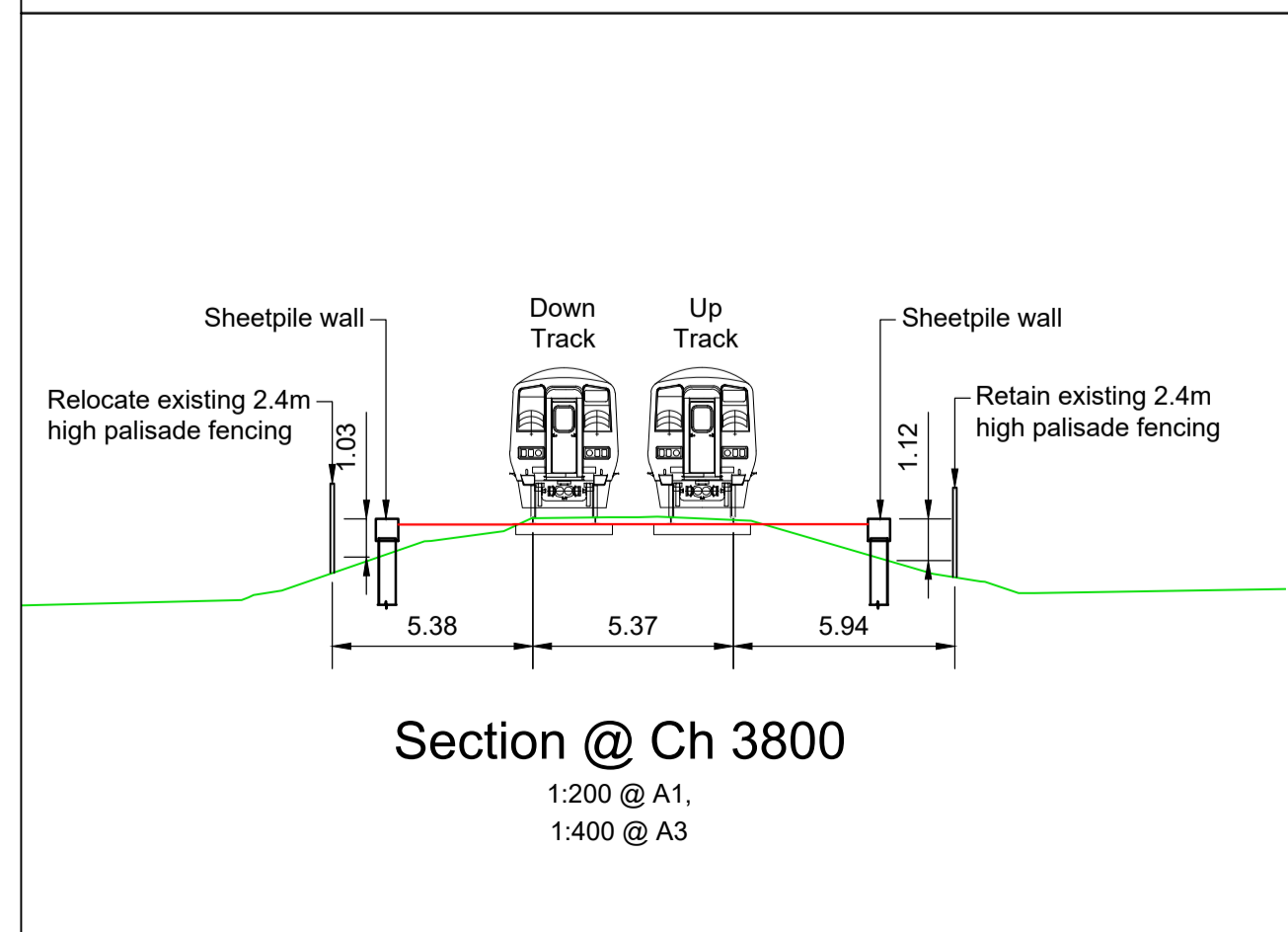
Plan  
1:500 @ A1  
1:1000 @ A3



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
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- LONGITUDINAL VERTICAL ALIGNMENT MARKERS IN KILOMETRES (km)

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

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**CIE**

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

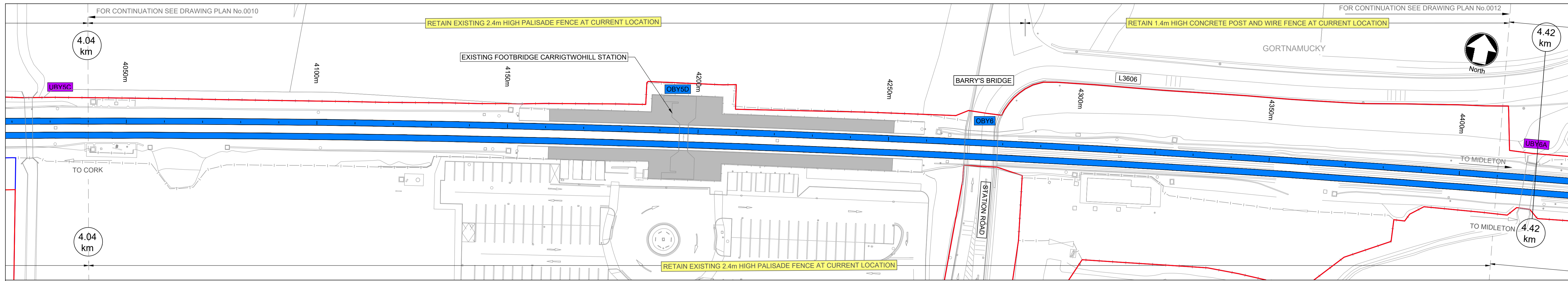
Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY  
CH3660 TO CH4040

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-PW-0010  
Sheet 10 of 28

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

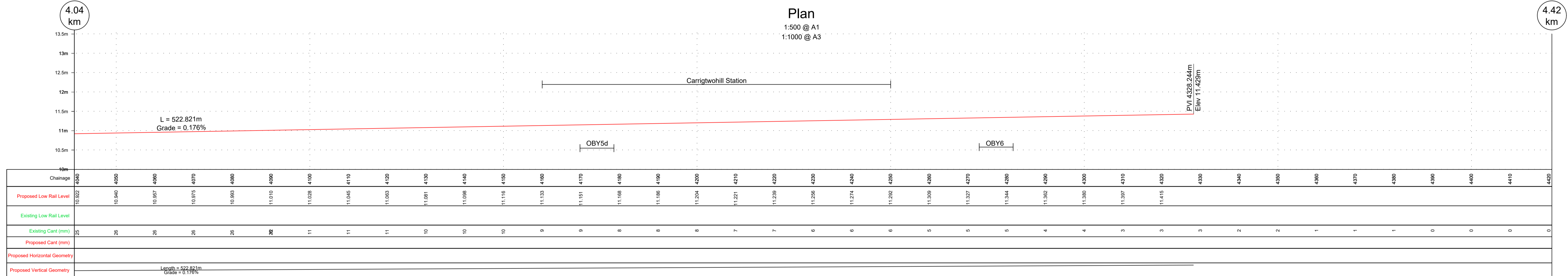
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Scale @A3: AS SHOWN

Acceptance: S  
Purpose: P1  
Rev: P03



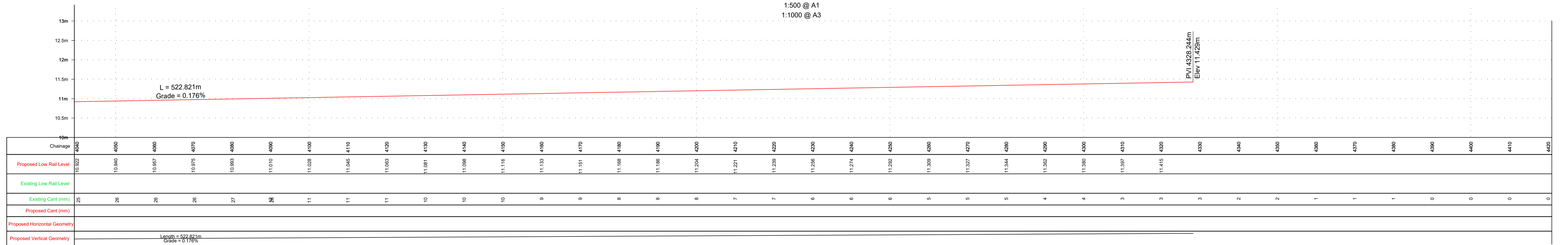
Plan

1:500 @ A1  
1:1000 @ A3



Longsection Down Track

1:500 @ A1  
1:1000 @ A3



Longsection Up Track

1:500 @ A1, 1:1000 @ A3

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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- PROJECT CHAINAGE IS IN METRES (m)
- LONGITUDINAL VERTICAL ALIGNMENT MARKERS IN KILOMETRES (km)

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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

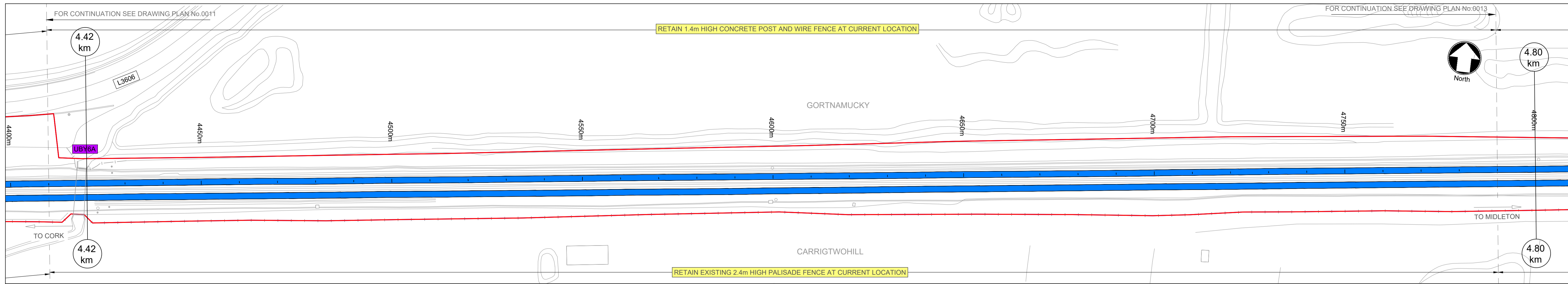
Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY CH4040 TO CH4420

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

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-PW-0011	Sheet: 11 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	Scale @A1: 1:500	Scale @A3: AS SHOWN	Acceptance: S	Purpose: P1	Rev: P03

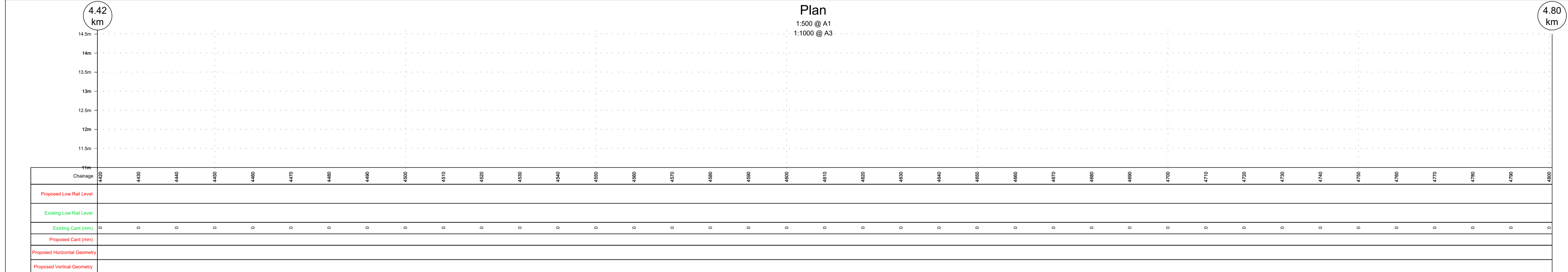
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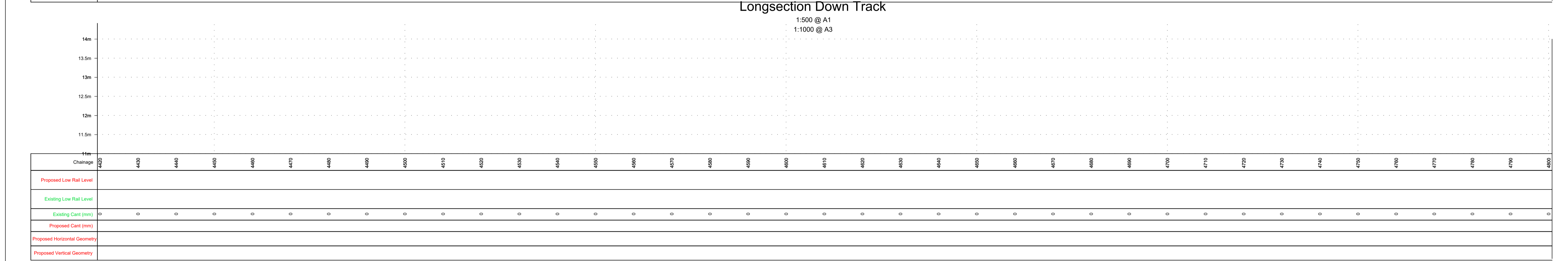
**Plan**

1:500 @ A1  
1:1000 @ A3



**Longsection Down Track**

1:500 @ A1  
1:1000 @ A3



**Longsection Up Track**

1:500 @ A1, 1:1000 @ A3

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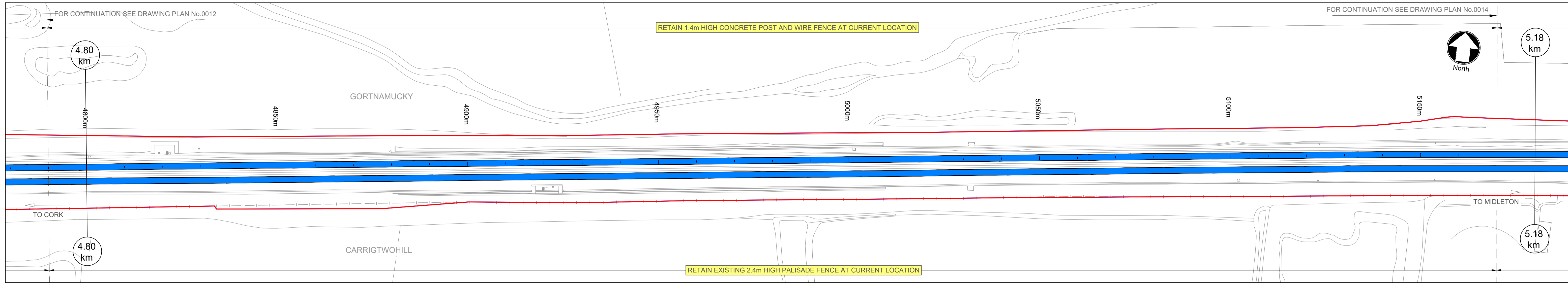
Client: Iarnród Éireann-Irish Rail  
Connolly Station  
Amiens Street  
Dublin 1  
D01 V6V6

**Iarnród Éireann Irish Rail**

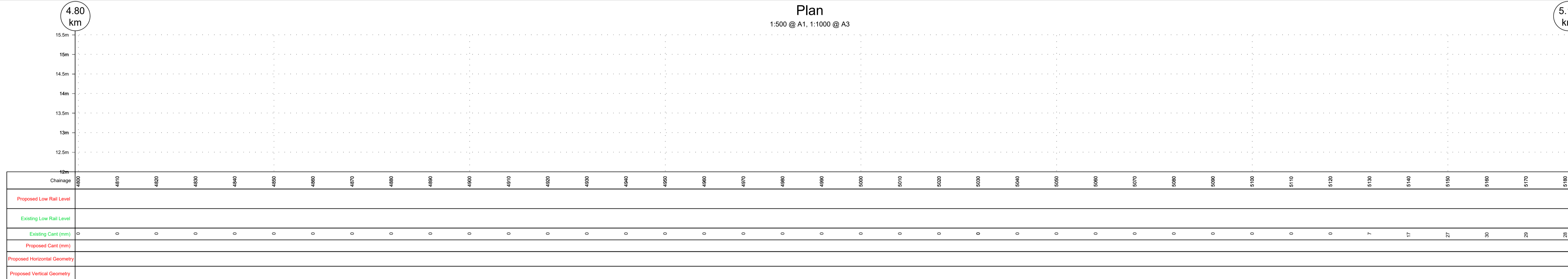
Project Title: CORK AREA COMMUTER RAIL  
GLOUNTHAUNE - MIDLETON TWIN TRACK

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

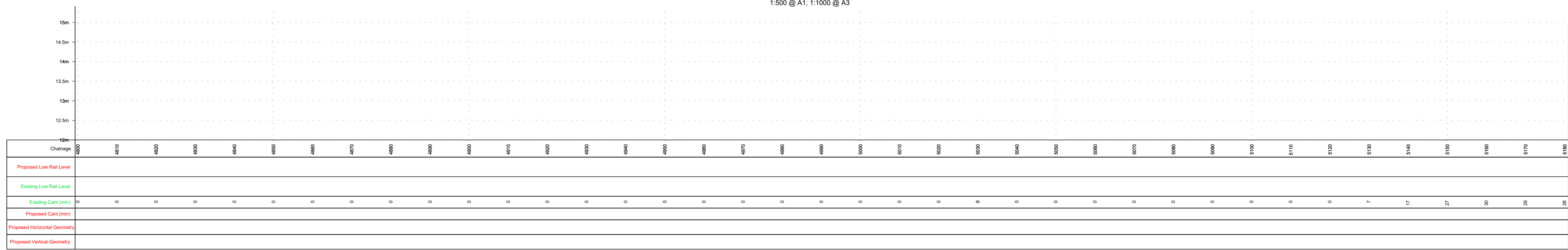
Drawing File Name	C745-WP3 03-XX-XX-XXX-DR-MMD-PW-0012	Sheet	12 of 28
Coordination	N.SAMACHETTY	Approved	J.MCINERNEY
Scale @A1:	1:500	Acceptance	S
Scale @A3:	AS SHOWN	Purpose	P1
Rev	P03	Rev	P03



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

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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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
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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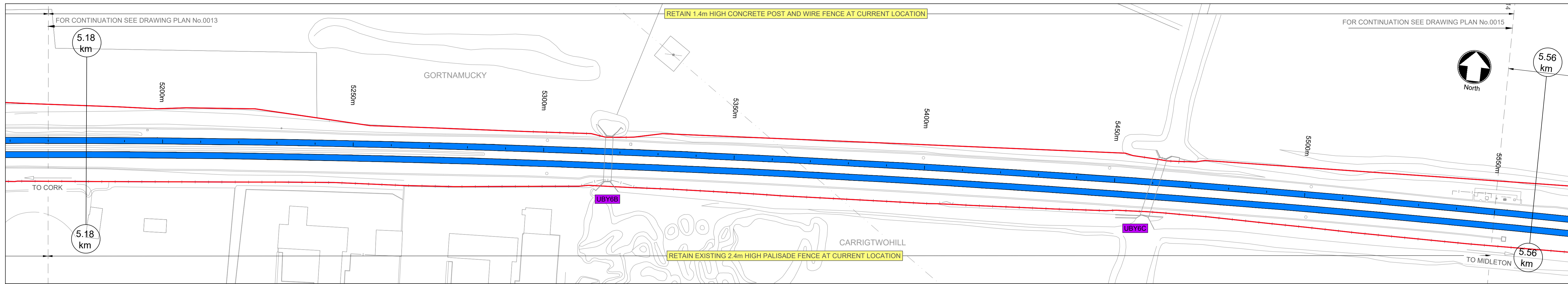
**Iarnród Éireann Irish Rail**

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

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY  
CH4800 TO CH5180

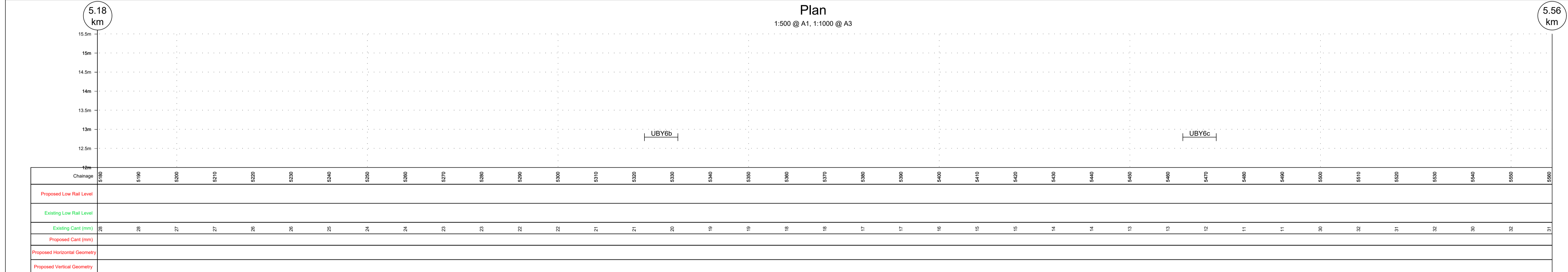
Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-PW-0013  
Sheet 13 of 28

Coordination: N.SAMACHETTY  
Approved: J.MCINERNEY  
Scale @A1: 1:500  
Scale @A3: AS SHOWN  
Acceptance: S  
Purpose: P1  
Rev: P03



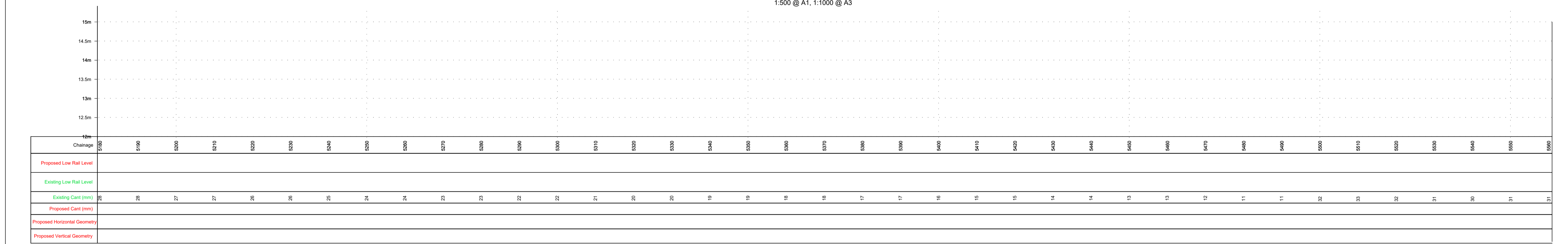
Plan

1:500 @ A1, 1:1000 @ A3



Longsection Down Track

1:500 @ A1, 1:1000 @ A3



Longsection Up Track

1:500 @ A1, 1:1000 @ A3

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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- 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
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 V6V6

**Iarnród Éireann Irish Rail**

**CIE**

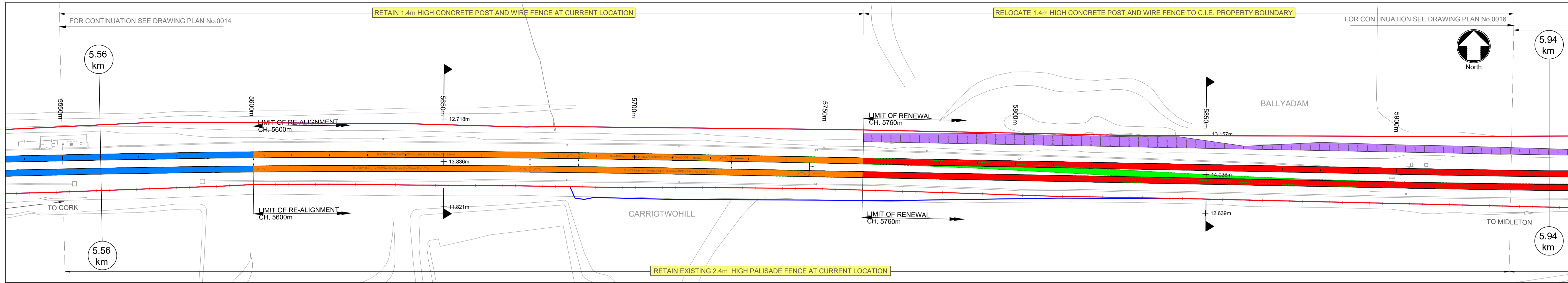
Project Title: CORK AREA COMMUTER RAIL  
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY  
CH5180 TO CH5560

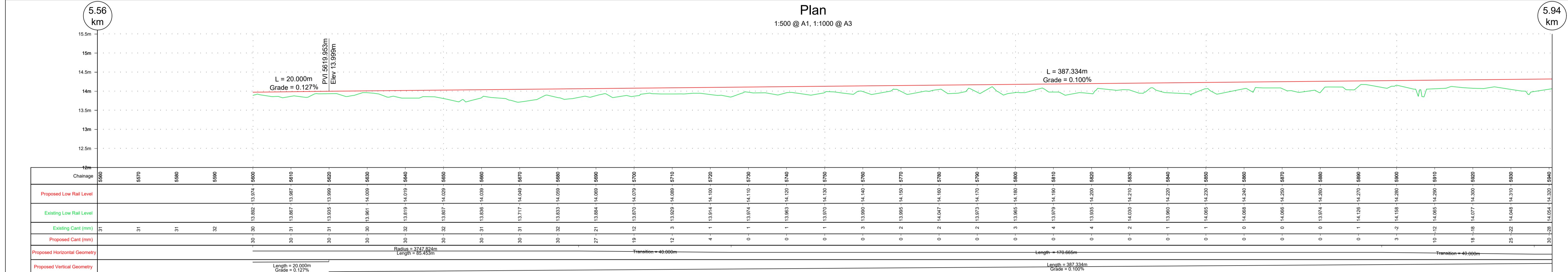
Date	Designed	Drawn	Dwg check	Eng check
22/09/22	D. ALDERSON	R. O'CONNOR	G. BERCOT	N. SAMACHETTY

Drawing File Name	Sheet
C745-WP3 03-XX-XX-XXX-DR-MMD-PW-0014	14 of 28

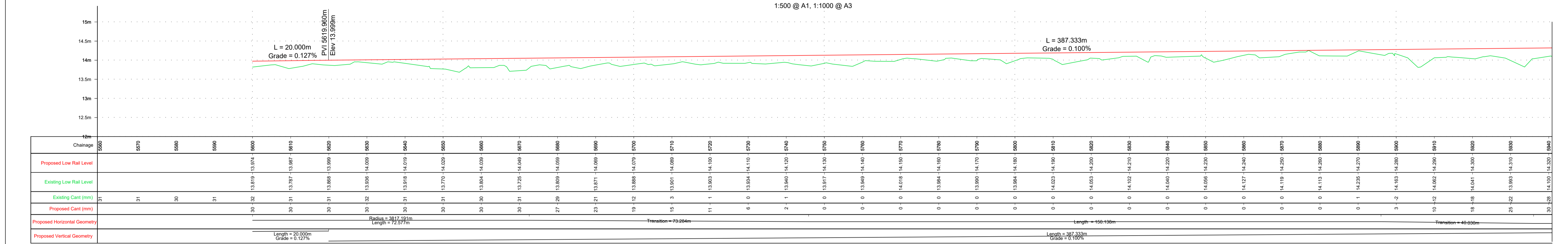
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N.SAMACHETTY	J.MCINERNEY	1:500	S	P1	P03



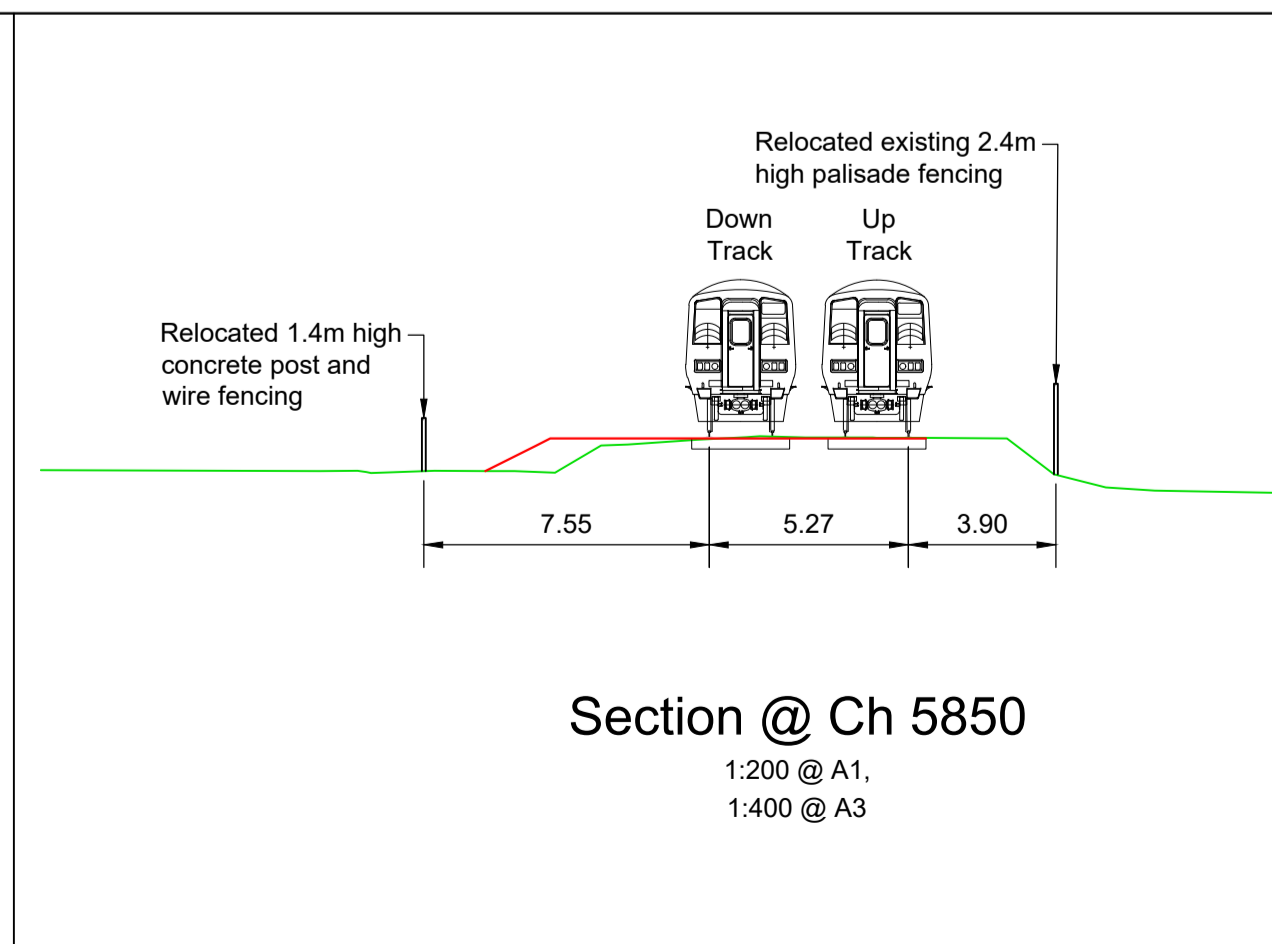
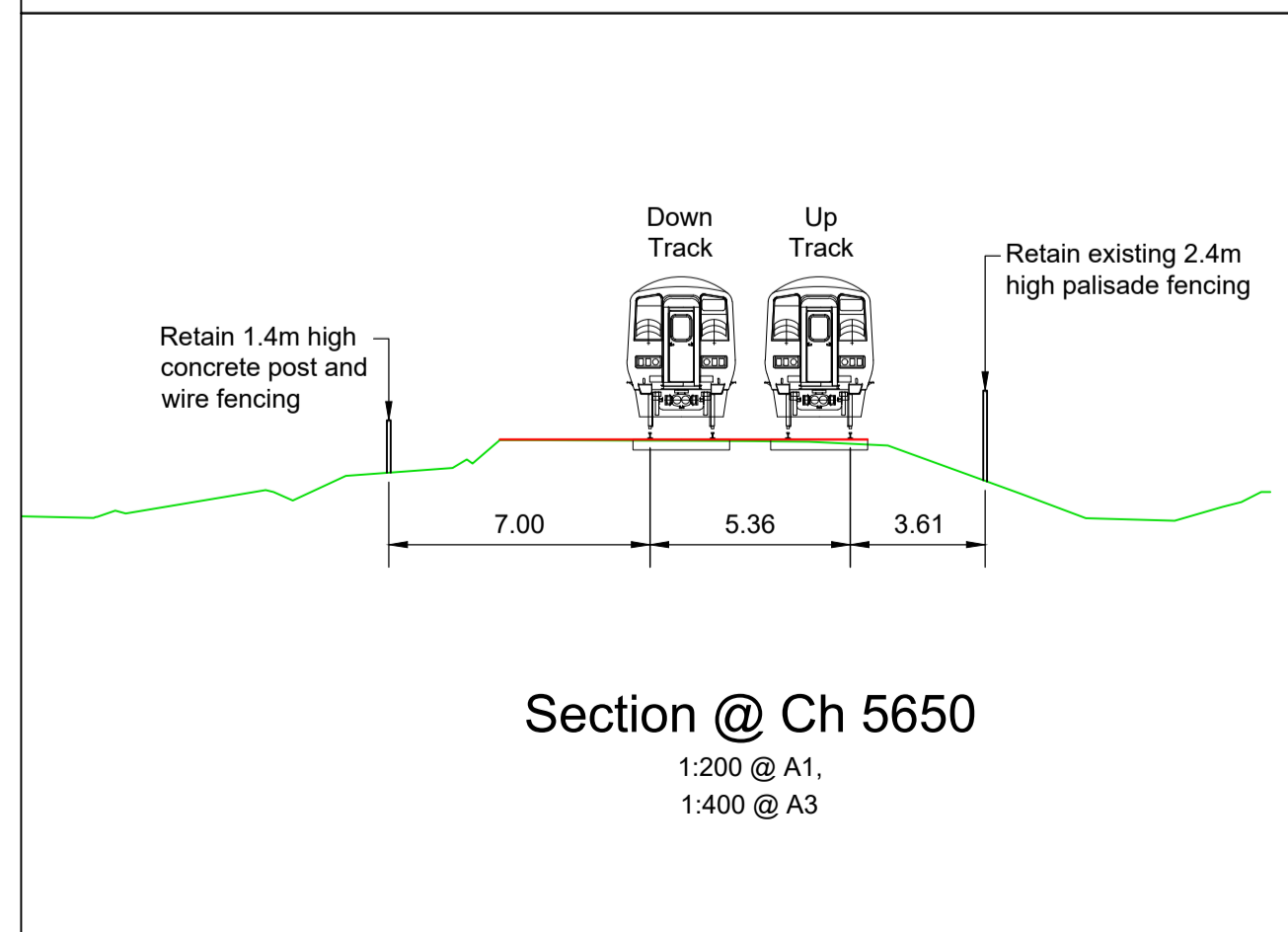
Plan  
1:500 @ A1, 1:1000 @ A3



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



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



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 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

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D01 V6V6

Iarnród Éireann  
Irish Rail

CIE

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

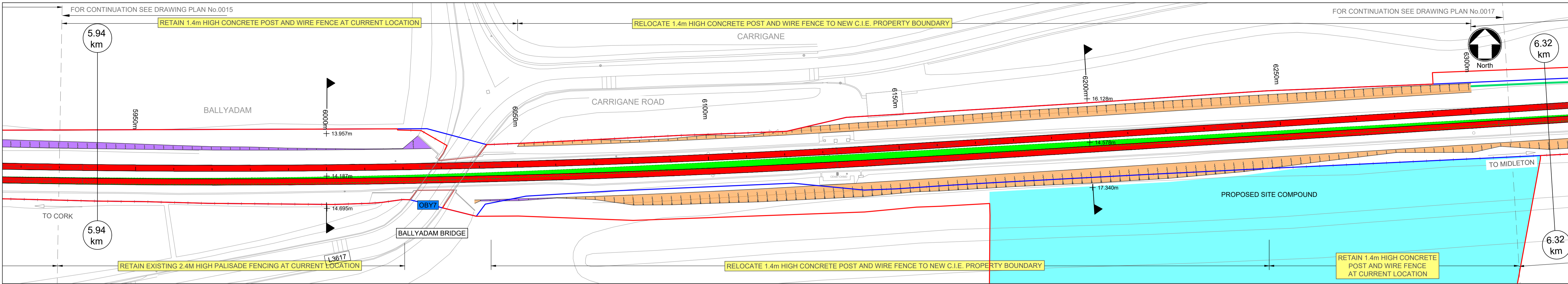
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CH5560 TO CH5940

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

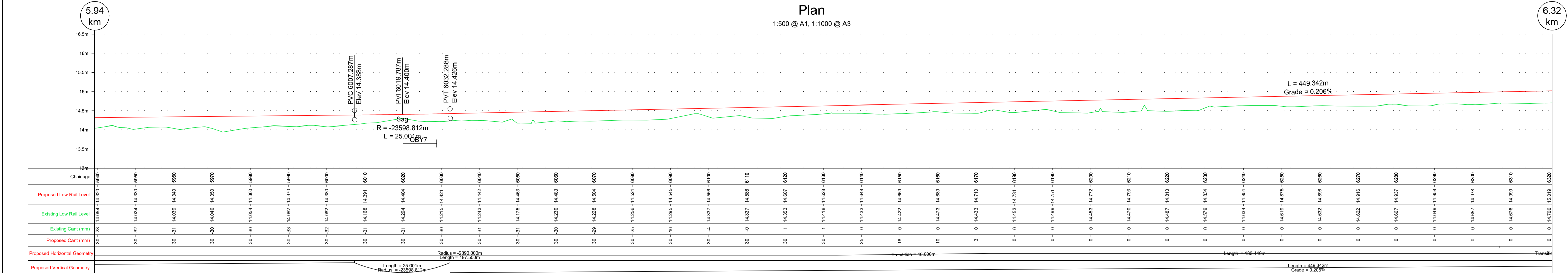
Sheet 15 of 28

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

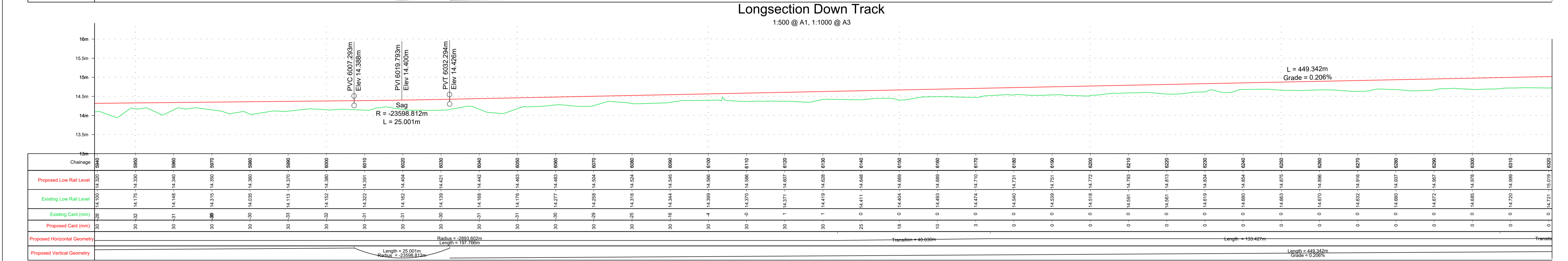
Coordination: N. SAMACHETTY  
Approved: J. MCINERNEY  
Scale @A1: 1:500  
Scale @A3: AS SHOWN  
Acceptance: S  
Purpose: P1  
Rev: P03



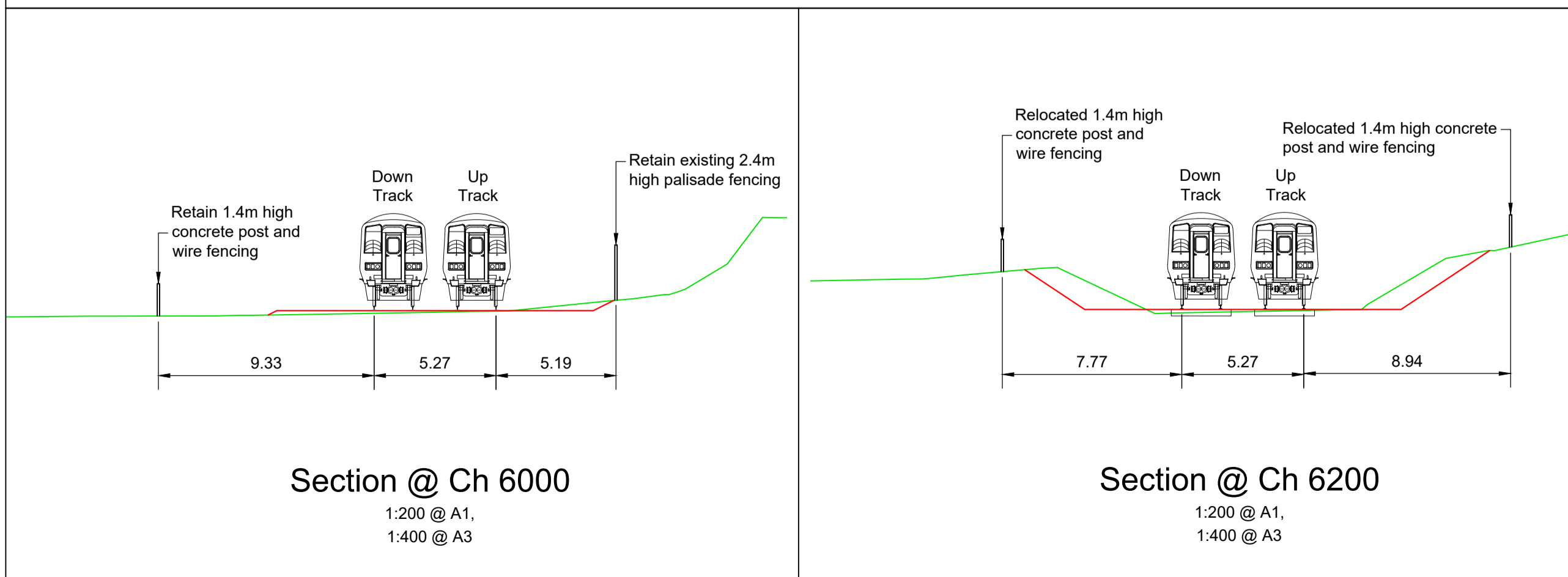
Plan  
1:500 @ A1, 1:1000 @ A3



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
- TOP OF EMBANKMENT
- PROPOSED EMBANKMENT IN CUT
- PROPOSED EMBANKMENT IN FILL
- TOP OF EXISTING BOUNDARY
- 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
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- EXISTING TRACKWORK TO BE REMOVED

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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 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. BERCOT	N. SAMACHETTY

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Amiens Street  
Dublin 1  
D01 V6V6

**Iarnród Éireann Irish Rail**

**CIE**

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

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY  
CH5940 TO CH6320

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

Sheet: 16 of 28

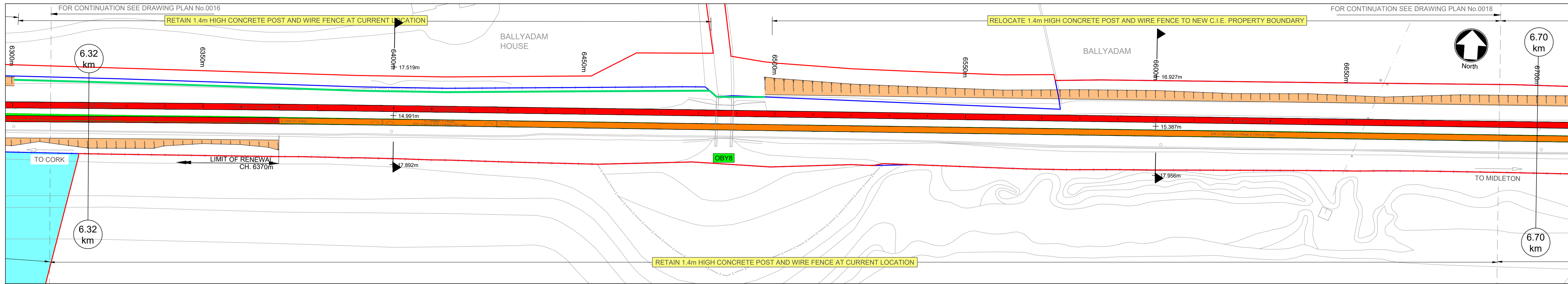
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Acceptance: S

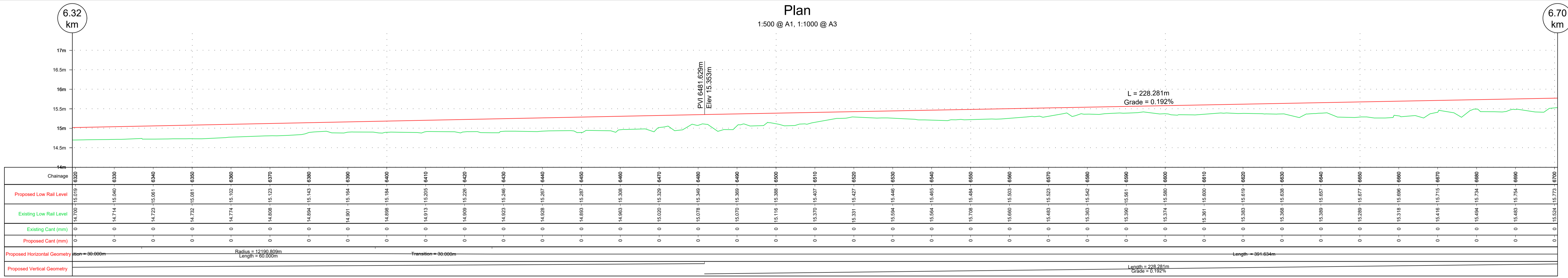
Purpose: P1

Rev: P03

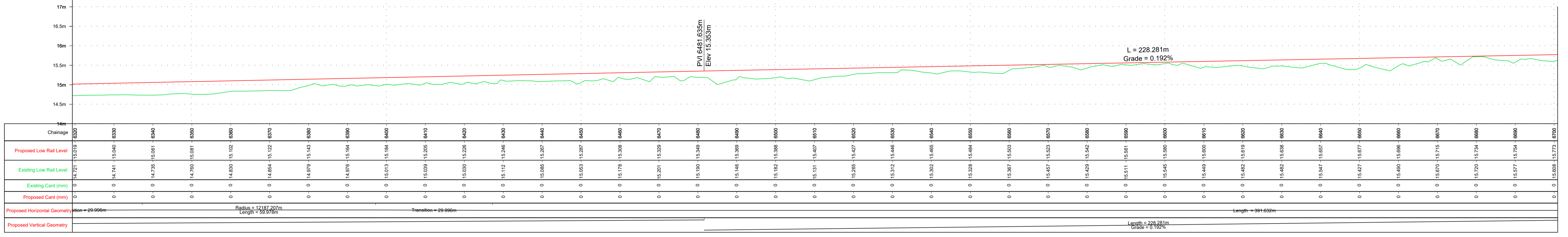
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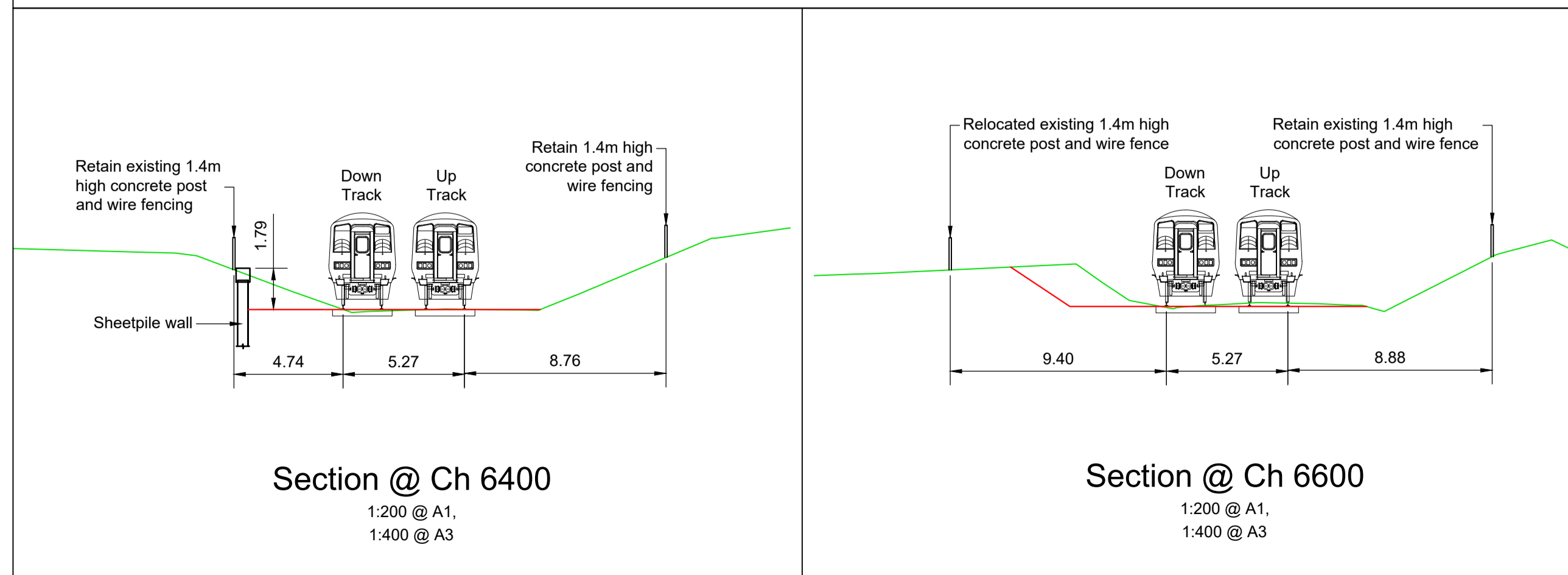
Plan  
1:500 @ A1, 1:1000 @ A3



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



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



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

**Iarnród Éireann Irish Rail**

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

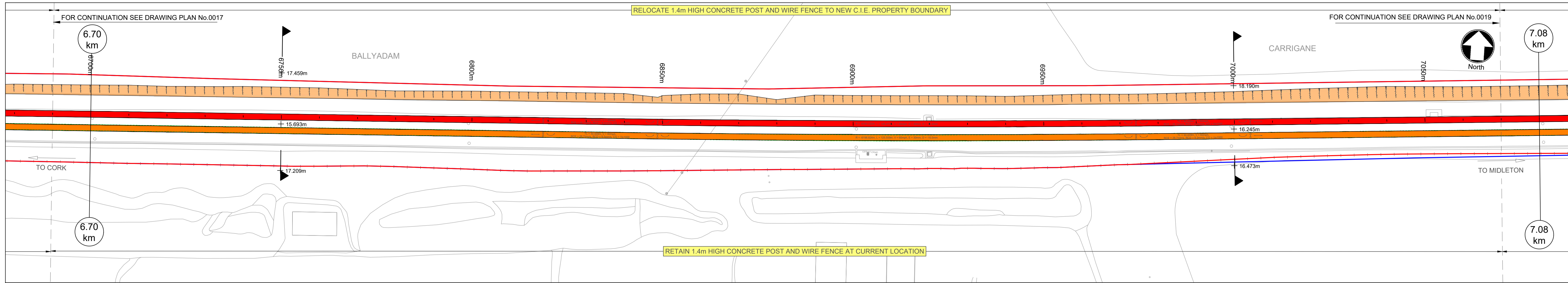
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Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-PW-0017

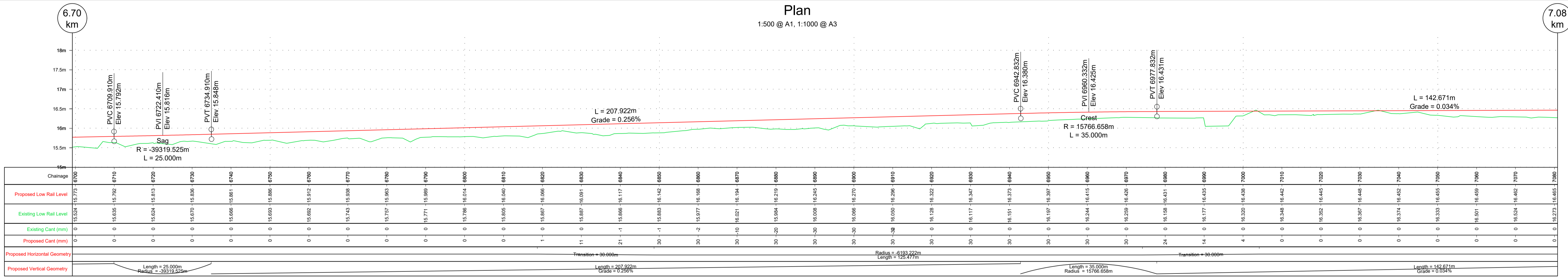
Sheet 17 of 28

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

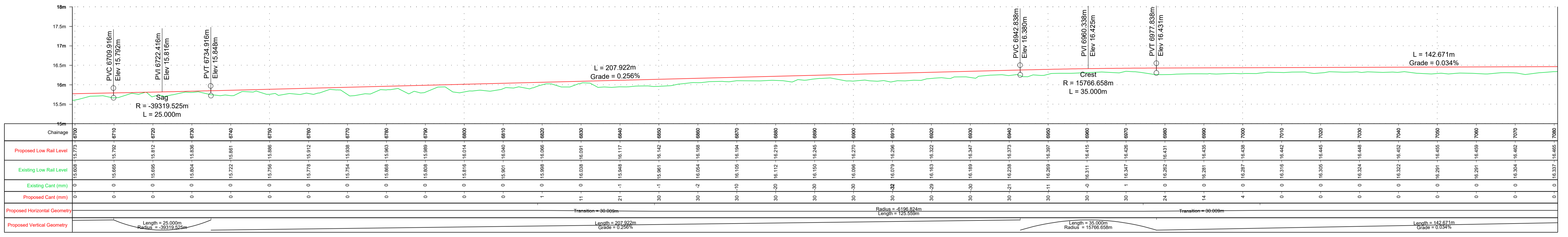
Coordination: N. SAMACHETTY, Approved: J. MCINERNEY, Scale @A1: 1:500, Scale @A3: AS SHOWN, Acceptance: S, Purpose: P1, Rev: P03



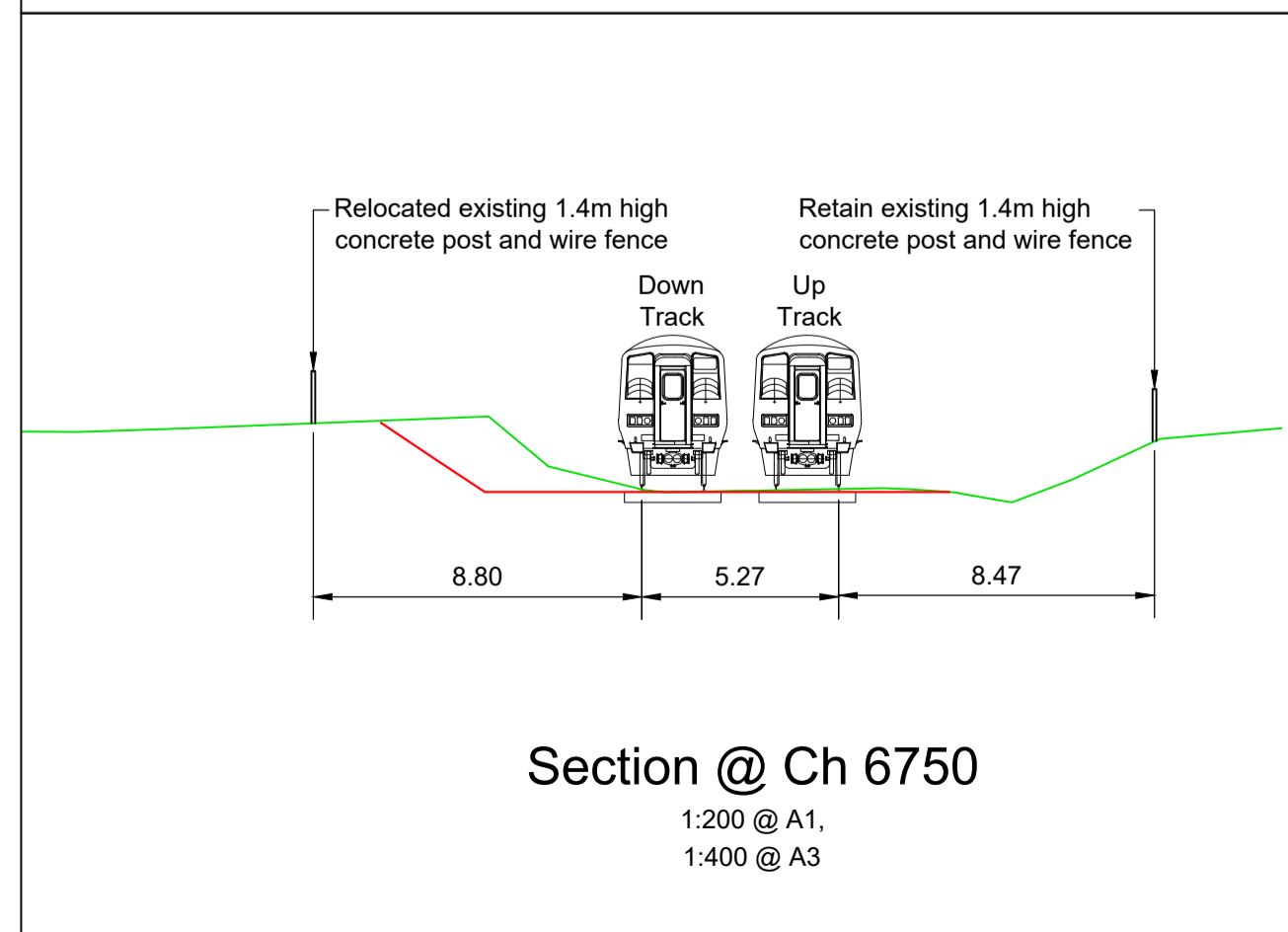
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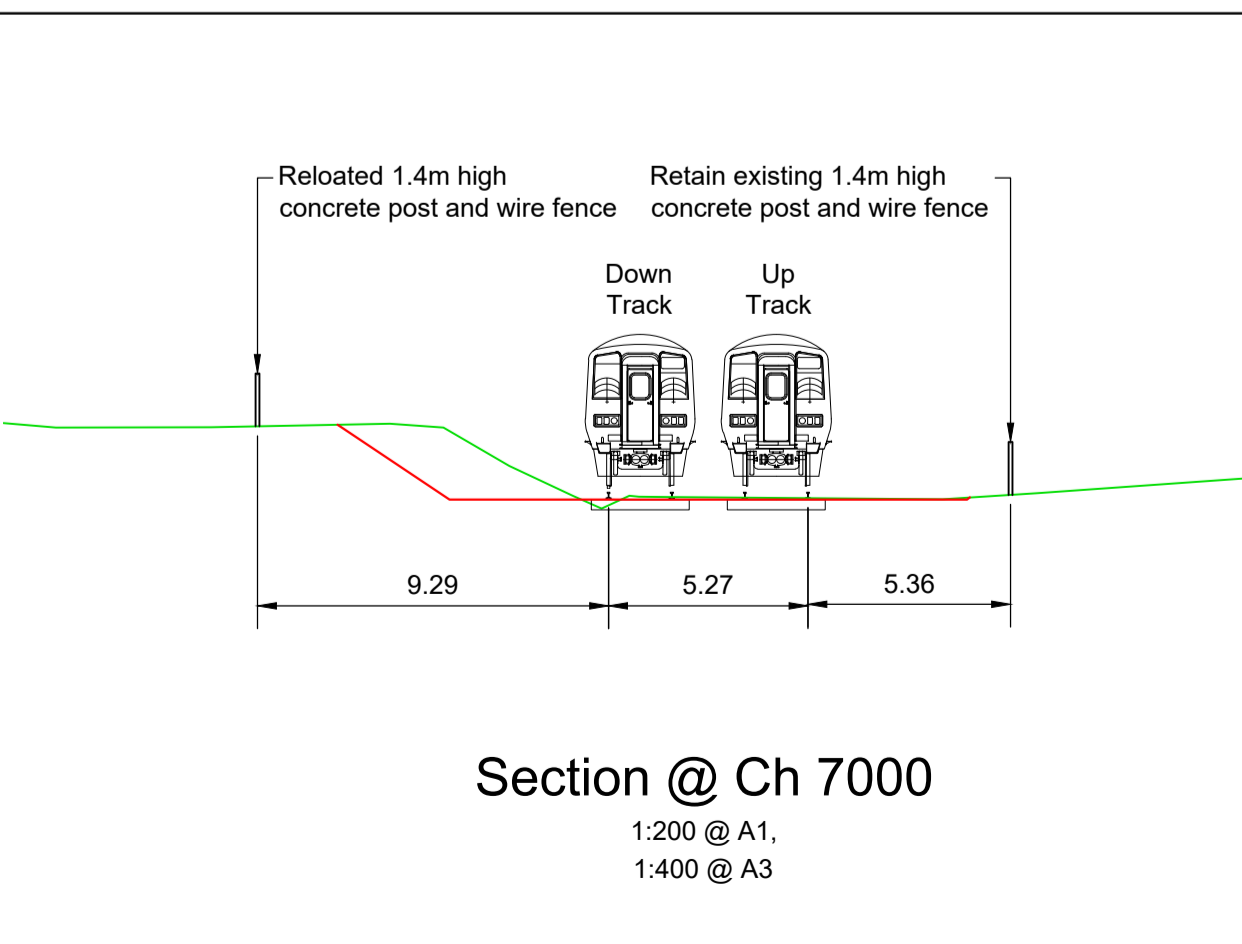
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1:500 @ A1, 1:1000 @ A3



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
- TOP OF EMBANKMENT
- TOP OF EXISTING
- 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

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D01 V6V6

**Iarnród Éireann Irish Rail**

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

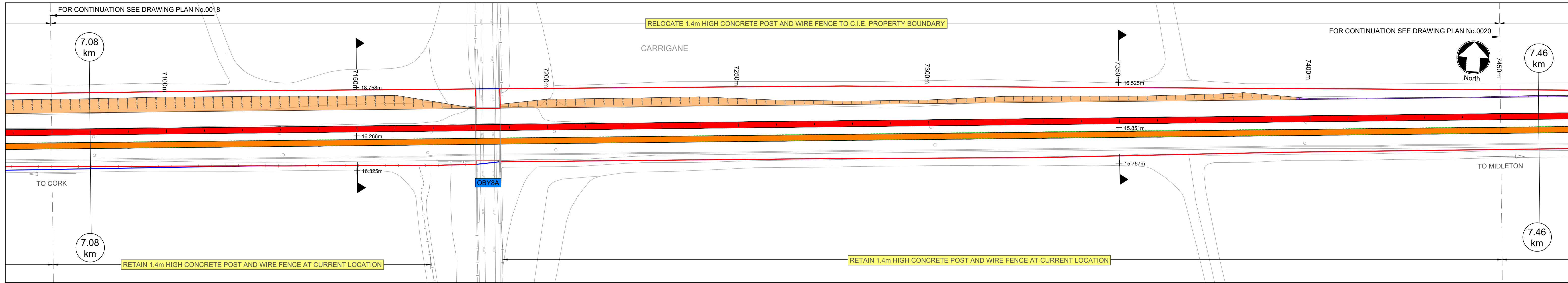
Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY  
CH6700 TO CH7080

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-PW-0018  
Sheet: 18 of 28

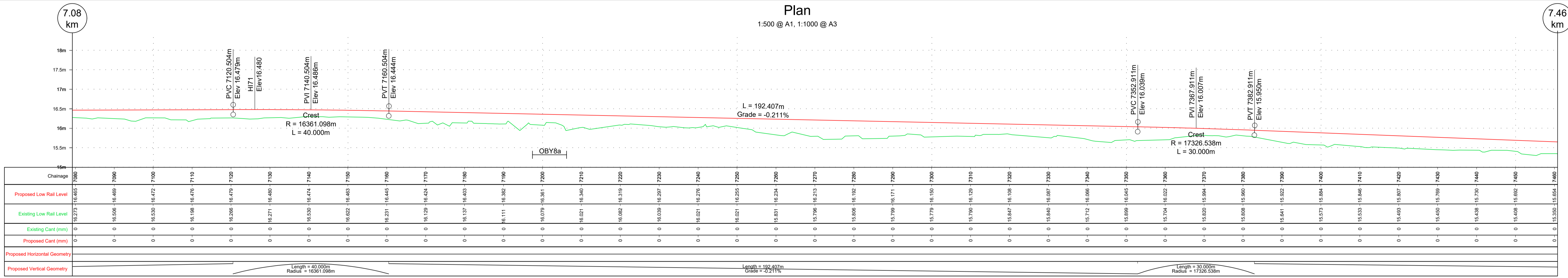
Date: 22/09/22	Designed: D. ALDERSON	Drawn: R. O'CONNOR	Dwg check: G. BERCOT	Eng check: N. SAMACHETTY
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Coordination: N. SAMACHETTY	Approved: J. MCINERNEY	Scale @A1: 1:500	Scale @A3: AS SHOWN	Acceptance: S	Purpose: P1	Rev: P03
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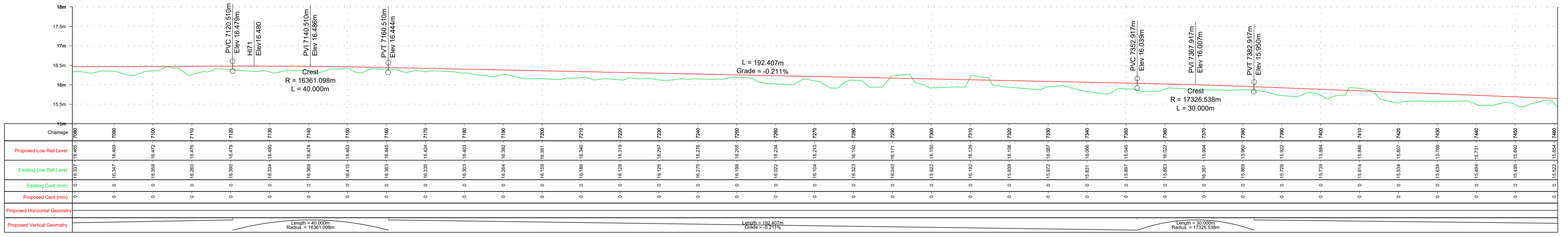
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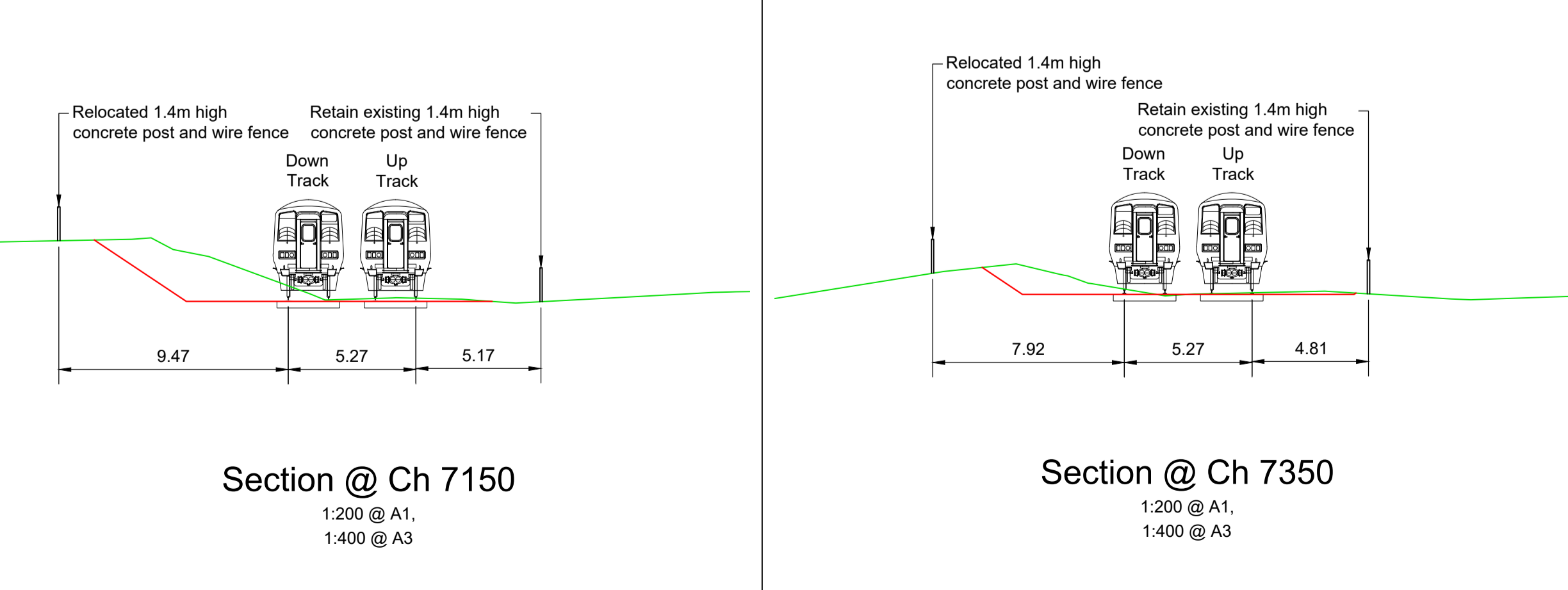
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Longsection Down Track  
1:500 @ A1, 1:1000 @ A3



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 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

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**Iarnród Éireann Irish Rail**

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

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY  
CH7080 TO CH7460

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-PW-0019  
Sheet 19 of 28

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

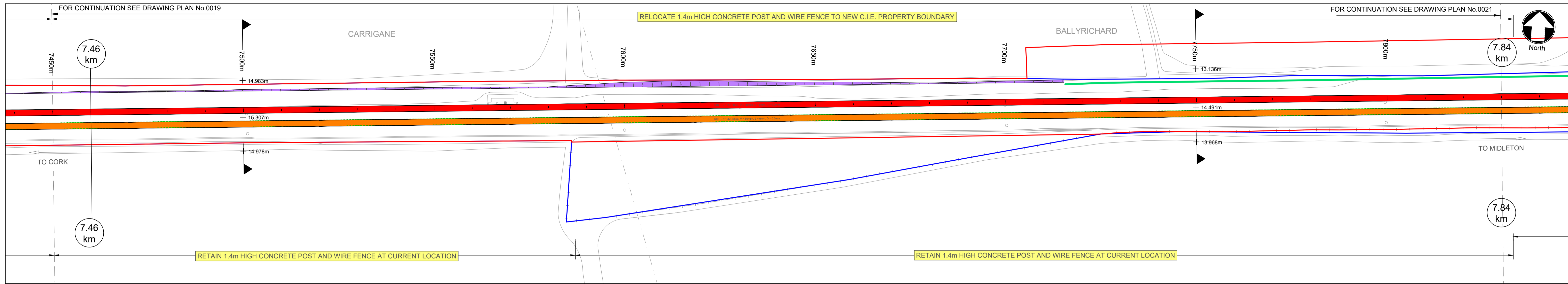
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Scale @A3: AS SHOWN

Acceptance: S

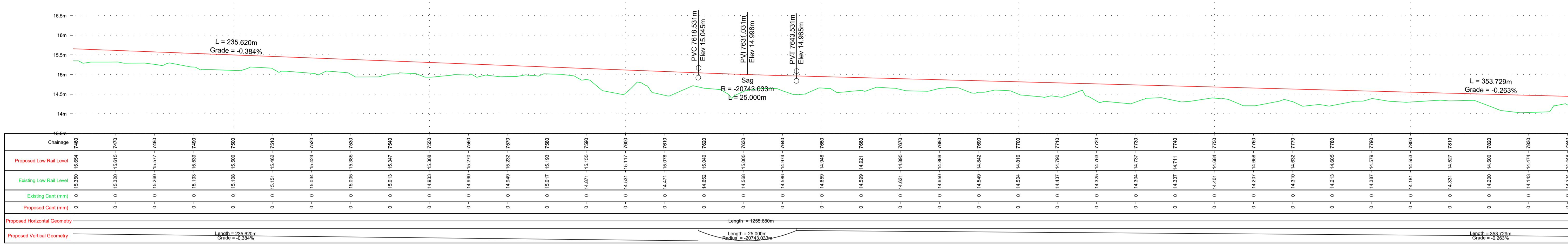
Purpose: P1

Rev: P03

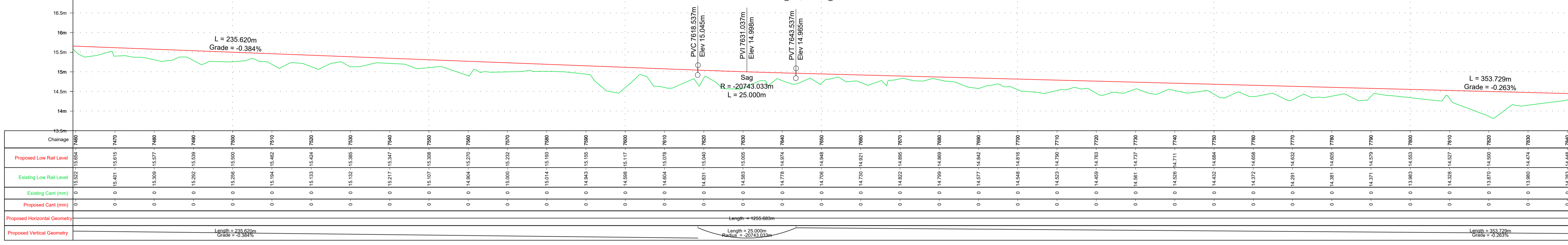




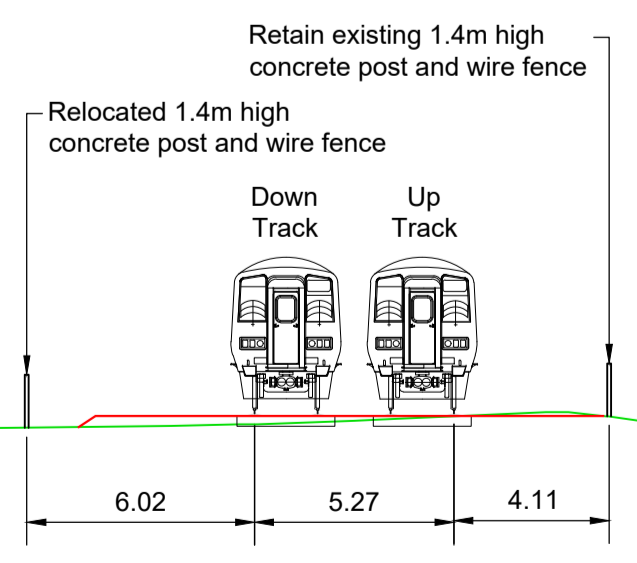
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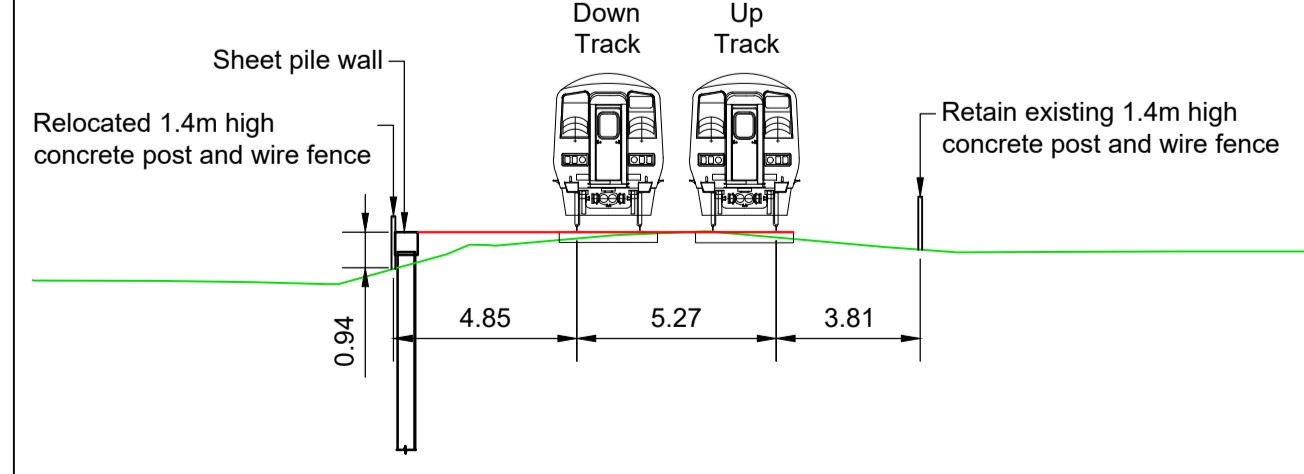
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Longsection Up Track  
1:500 @ A1, 1:1000 @ A3



Section @ Ch 7500  
1:200 @ A1,  
1:400 @ A3



Section @ Ch 7750  
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

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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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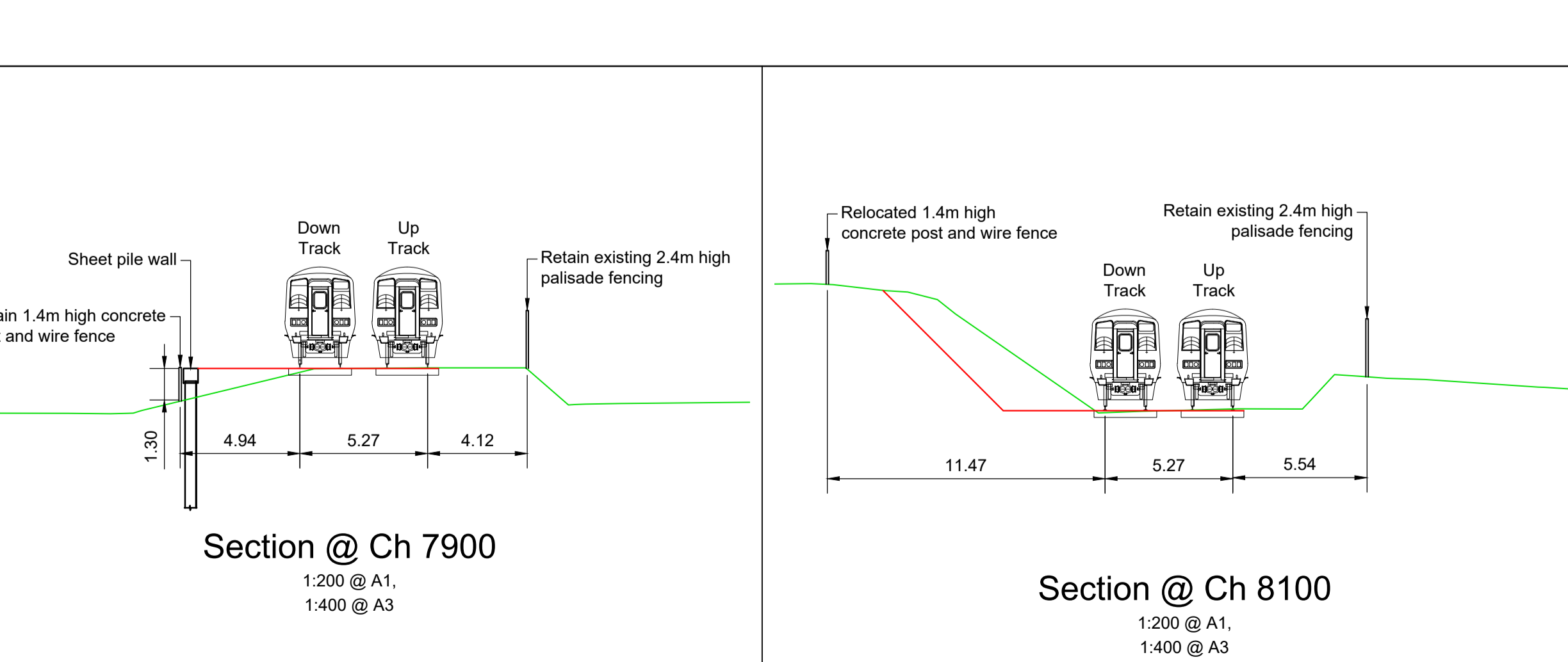
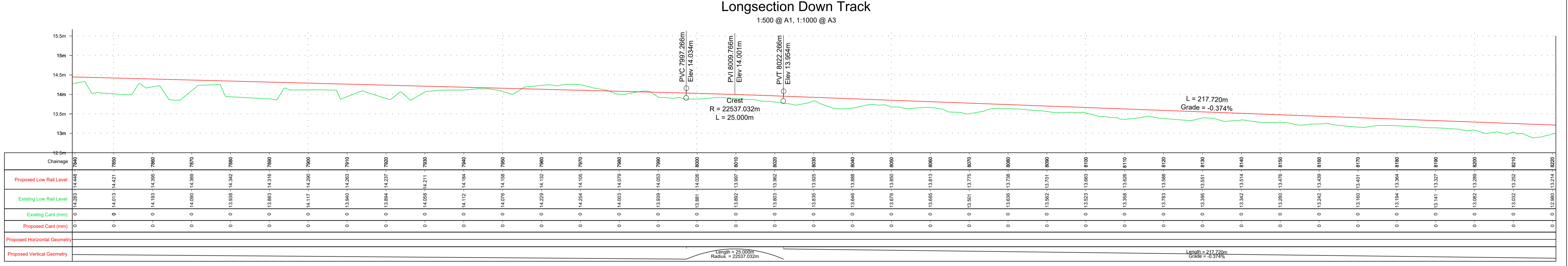
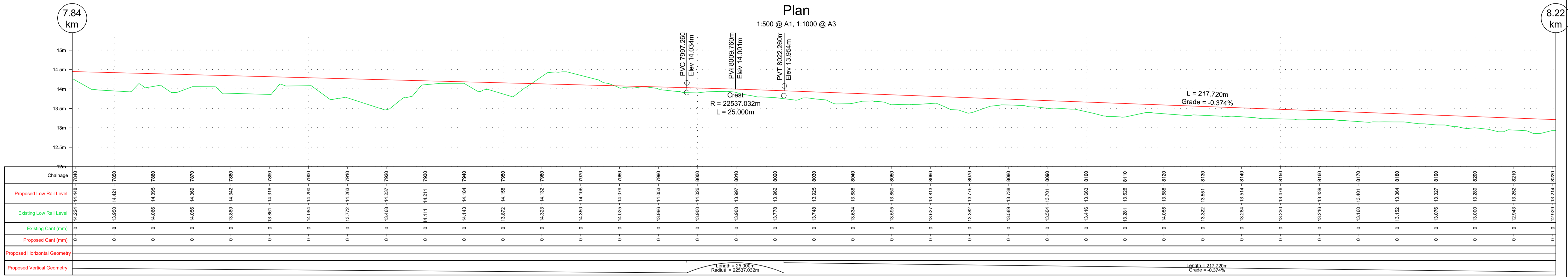
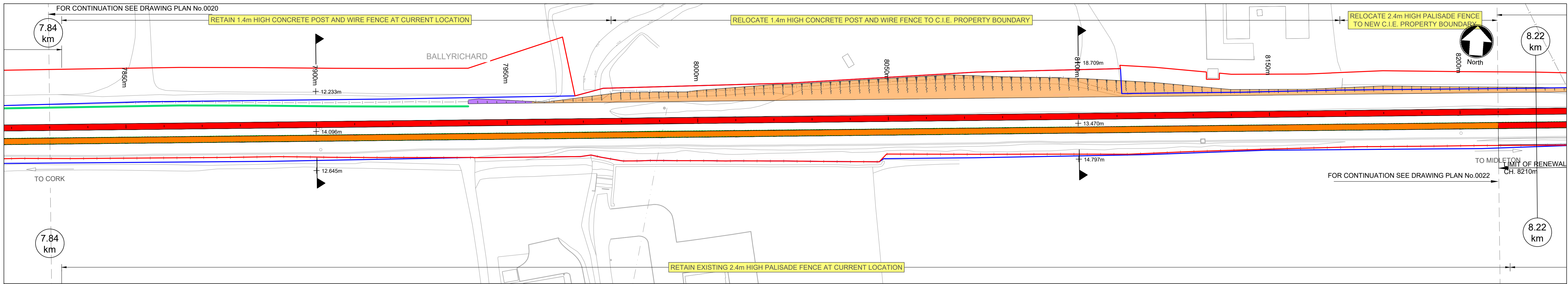
**Iarnród Éireann Irish Rail**

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

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY  
CH7460 TO CH7840

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-PW-0020  
Sheet 20 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	Scale @A1: 1:500	Acceptance: S	Purpose: P1
Scale @A3: AS SHOWN				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 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 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

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**Iarnród Éireann Irish Rail**

**CIE**

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

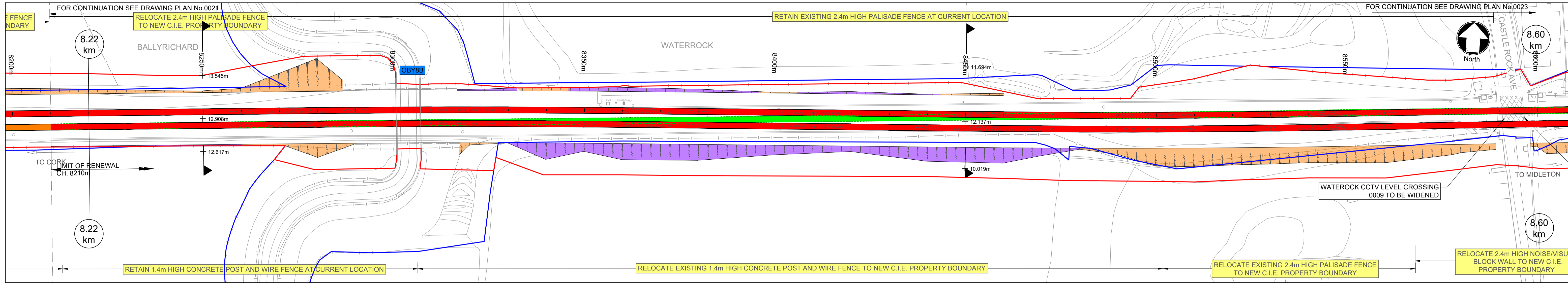
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CH7840 TO CH8220

Drawing File Name: C745-WP3\_03-XX-XX-XXX-DR-MMD-PW-0021

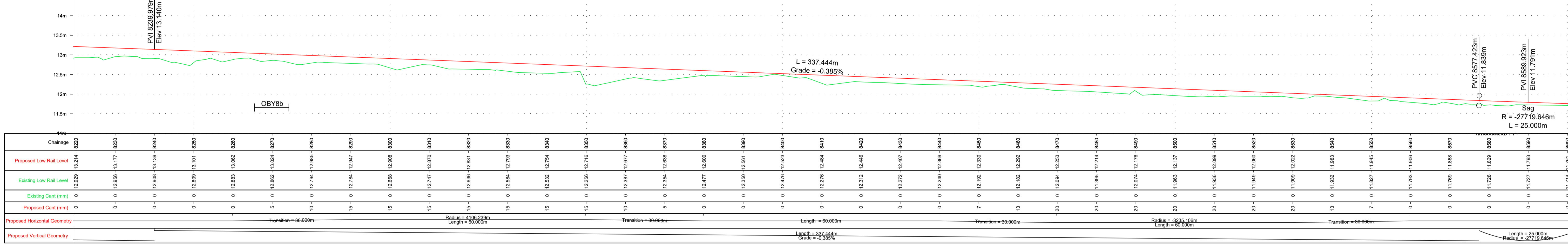
Sheet 21 of 28

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

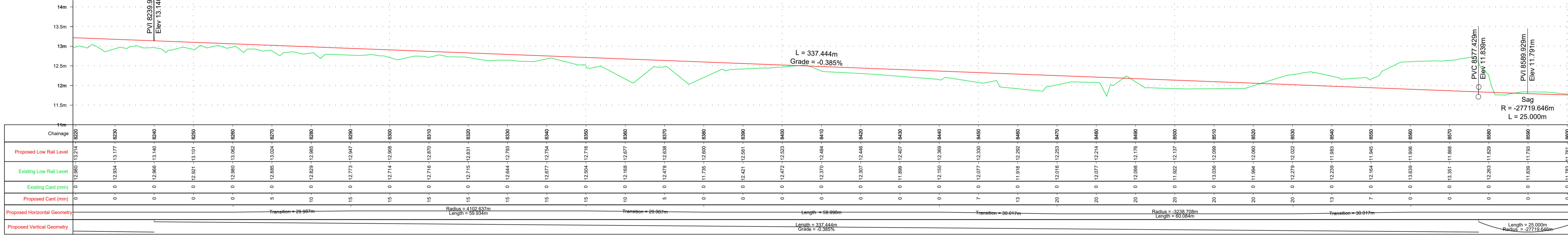
Coordination: N. SAMACHETTY  
Approved: J. MCINERNEY  
Scale @A1: 1:500  
Scale @A3: AS SHOWN  
Acceptance: S  
Purpose: P1  
Rev: P03



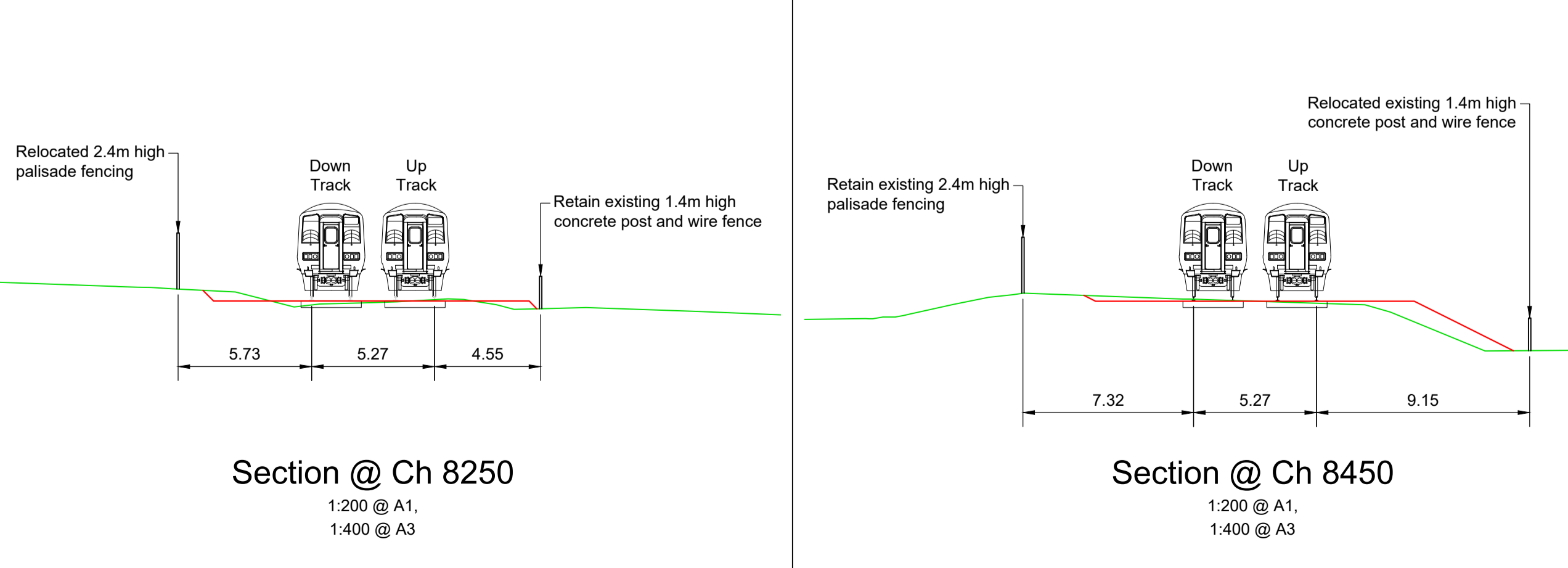
Plan  
1:500 @ A1, 1:1000 @ A3



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
- 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
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- PROPOSED TRACKWORK
- EXISTING TRACKWORK TO BE REMOVED

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- LONGITUDINAL VERTICAL ALIGNMENT MARKERS IN KILOMETRES (km)

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	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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**Iarnród Éireann Irish Rail**

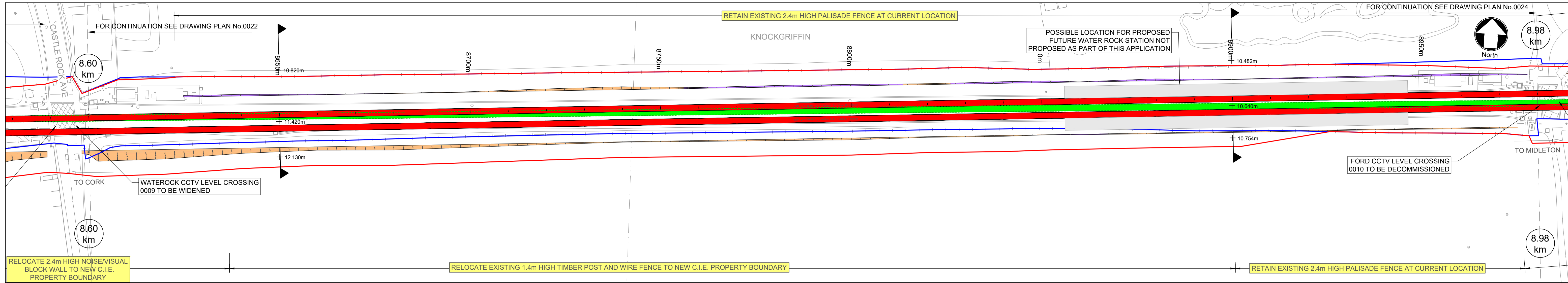
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GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY  
CH8220 TO CH8600

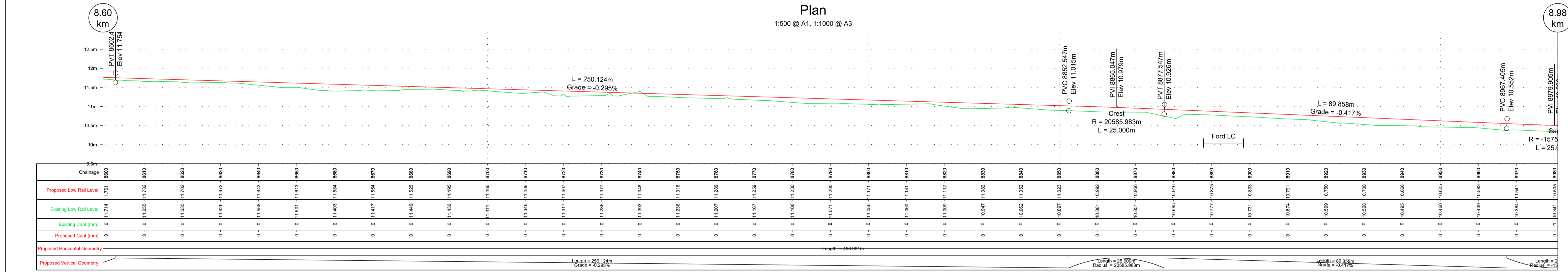
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Sheet 22 of 28

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

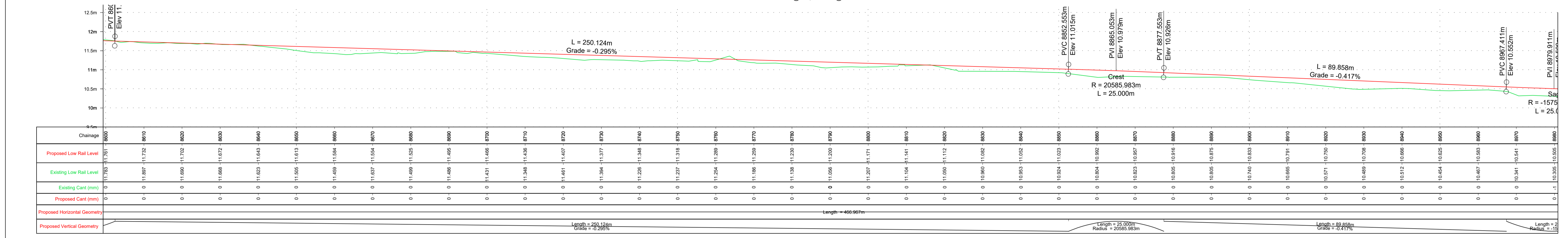
Coordination: N. SAMACHETTY  
Approved: J. MCINERNEY  
Scale @A1: 1:500  
Scale @A3: AS SHOWN  
Acceptance: S  
Purpose: P1  
Rev: P03



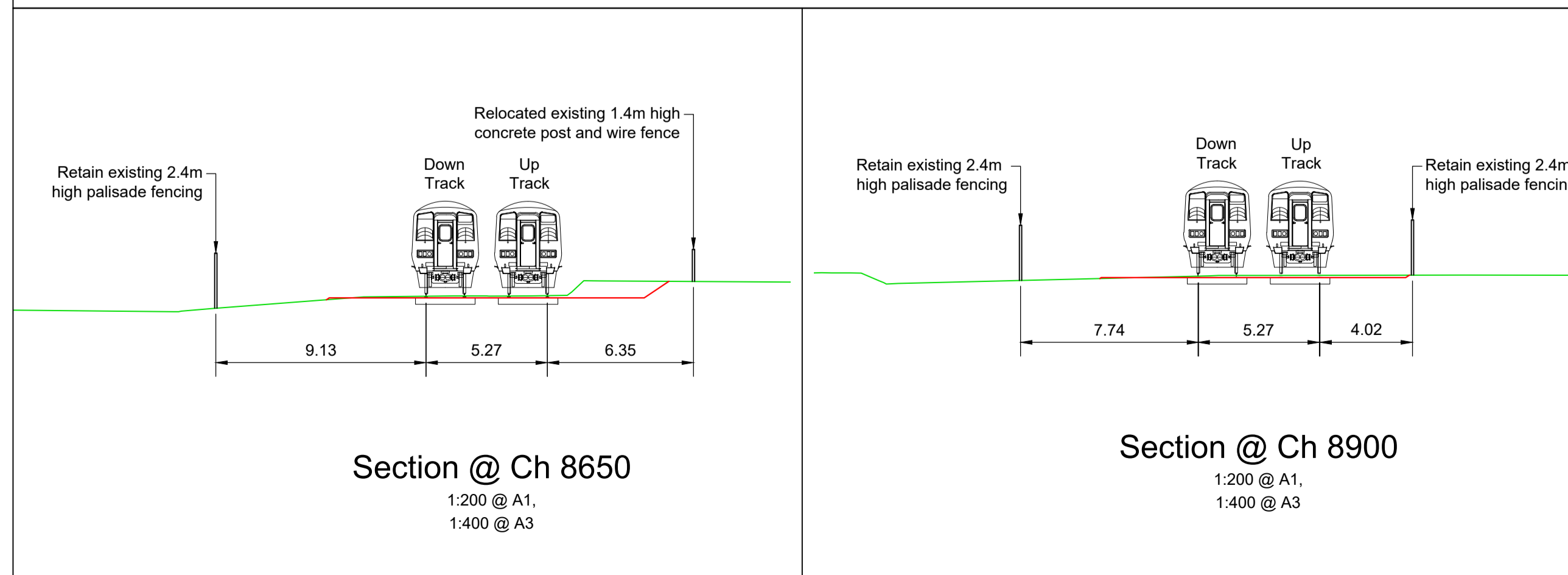
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Longsection Down Track  
1:500 @ A1, 1:1000 @ A3



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



**LEGEND**

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- 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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- 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
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**

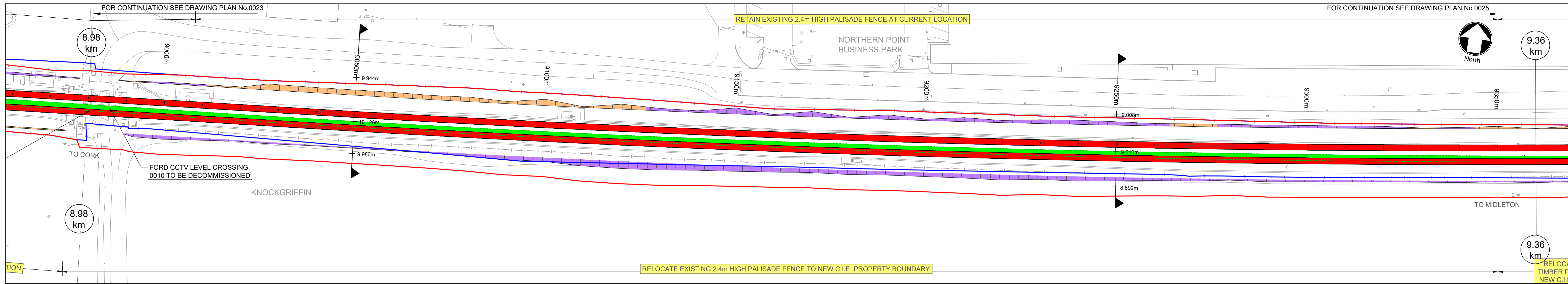
Project Title: CORK AREA COMMUTER RAIL  
GLOUNTHAUNE - MIDDLETON TWIN TRACK

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY  
CH8600 TO CH8980

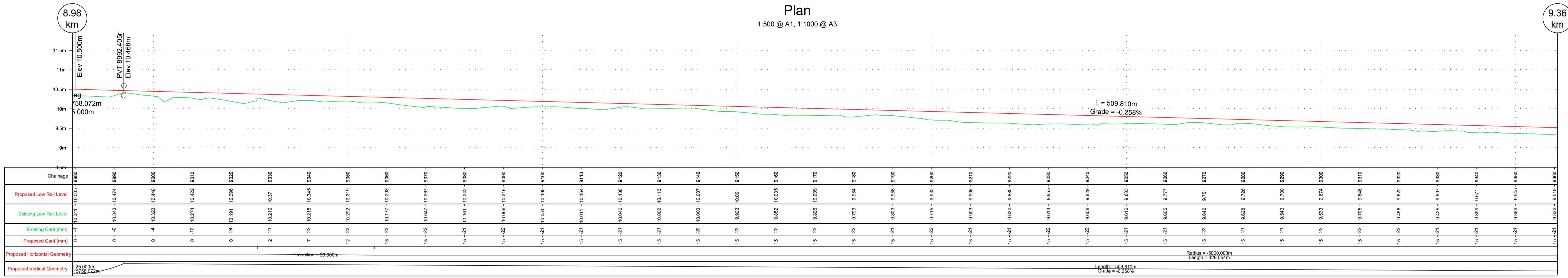
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Sheet: 23 of 28

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

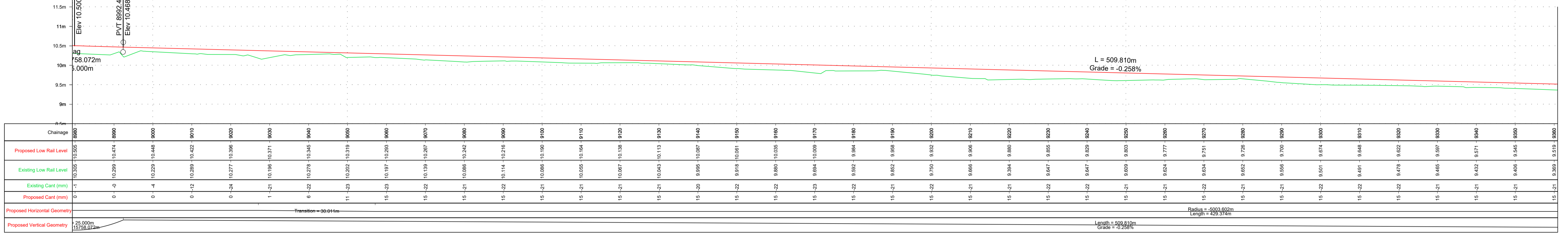
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N.SAMACHETTY	J.MCINERNEY	1:500	S	P1	P03



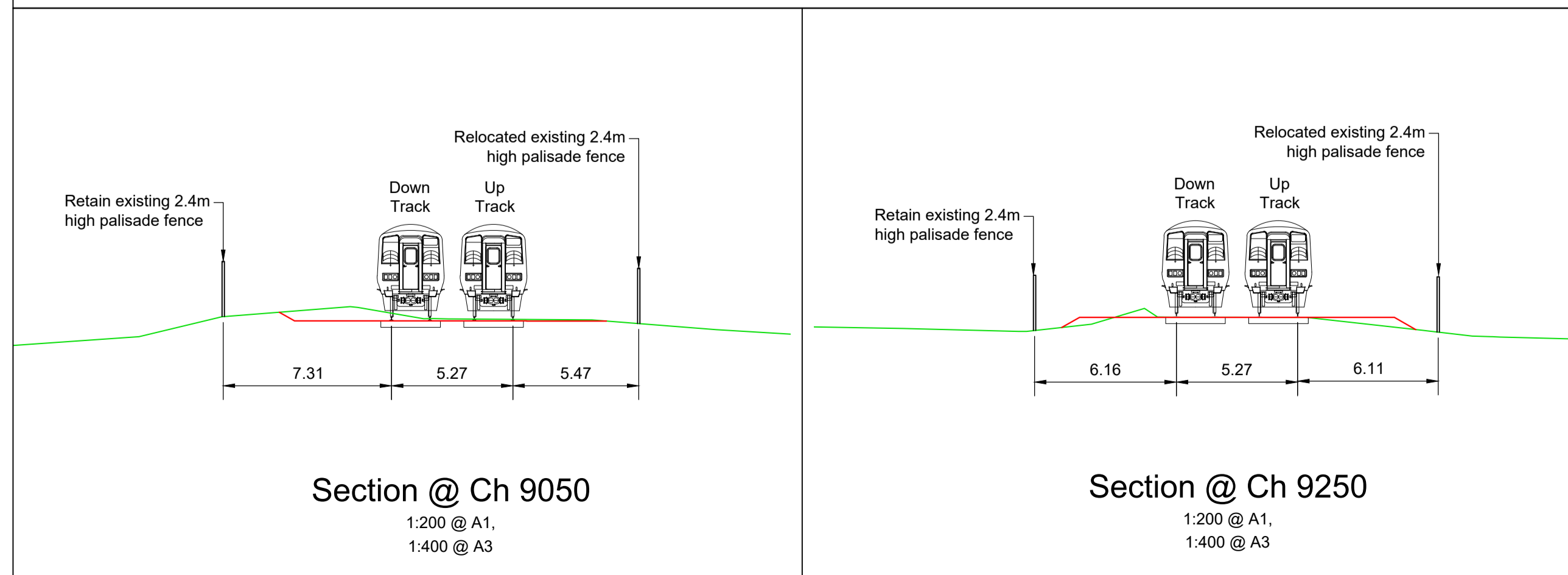
Plan  
1:500 @ A1, 1:1000 @ A3



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



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



**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
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0 5.0 10.0 20.0 30.0 40.0 50.0m

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

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D01 V6V6

**Iarnród Éireann Irish Rail**

**CIE**

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

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY  
CH8980 TO CH9360

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

Sheet 24 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

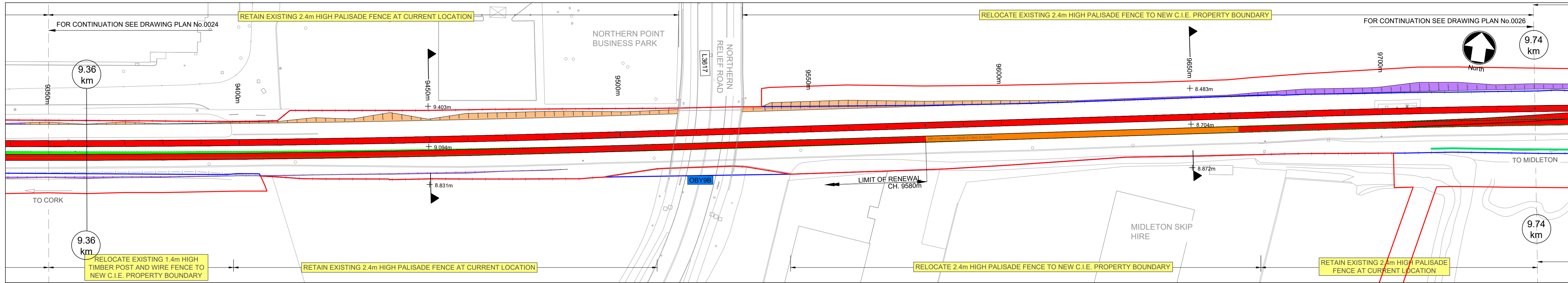
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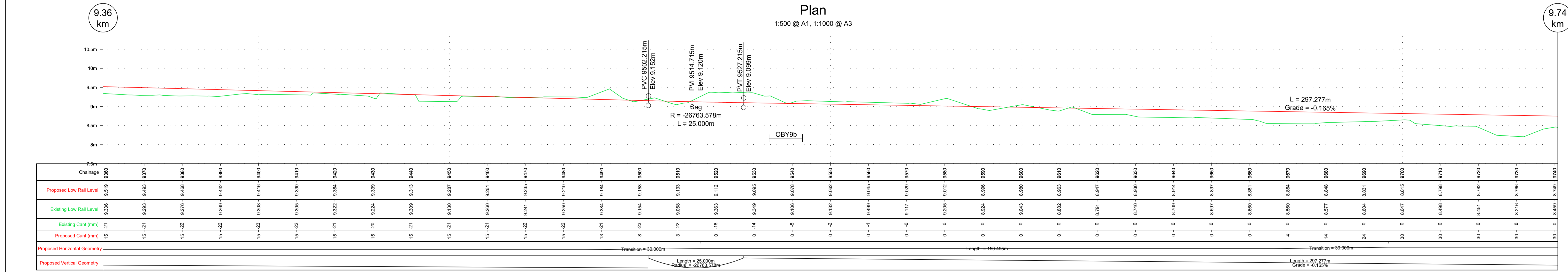
Acceptance: S

Purpose: P1

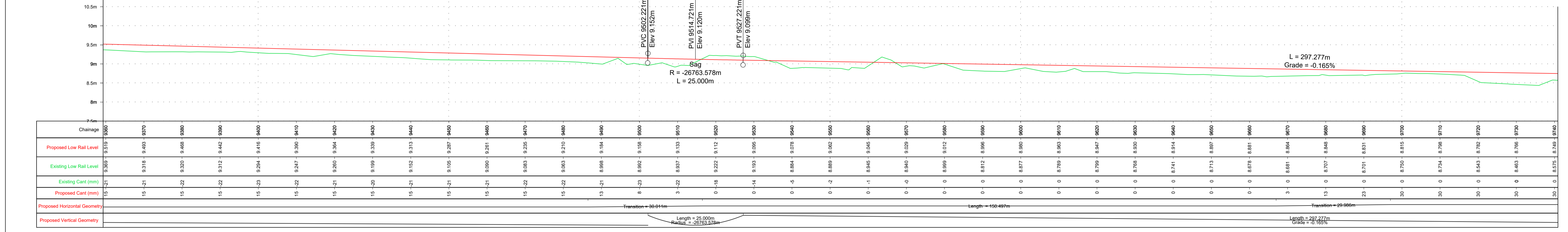
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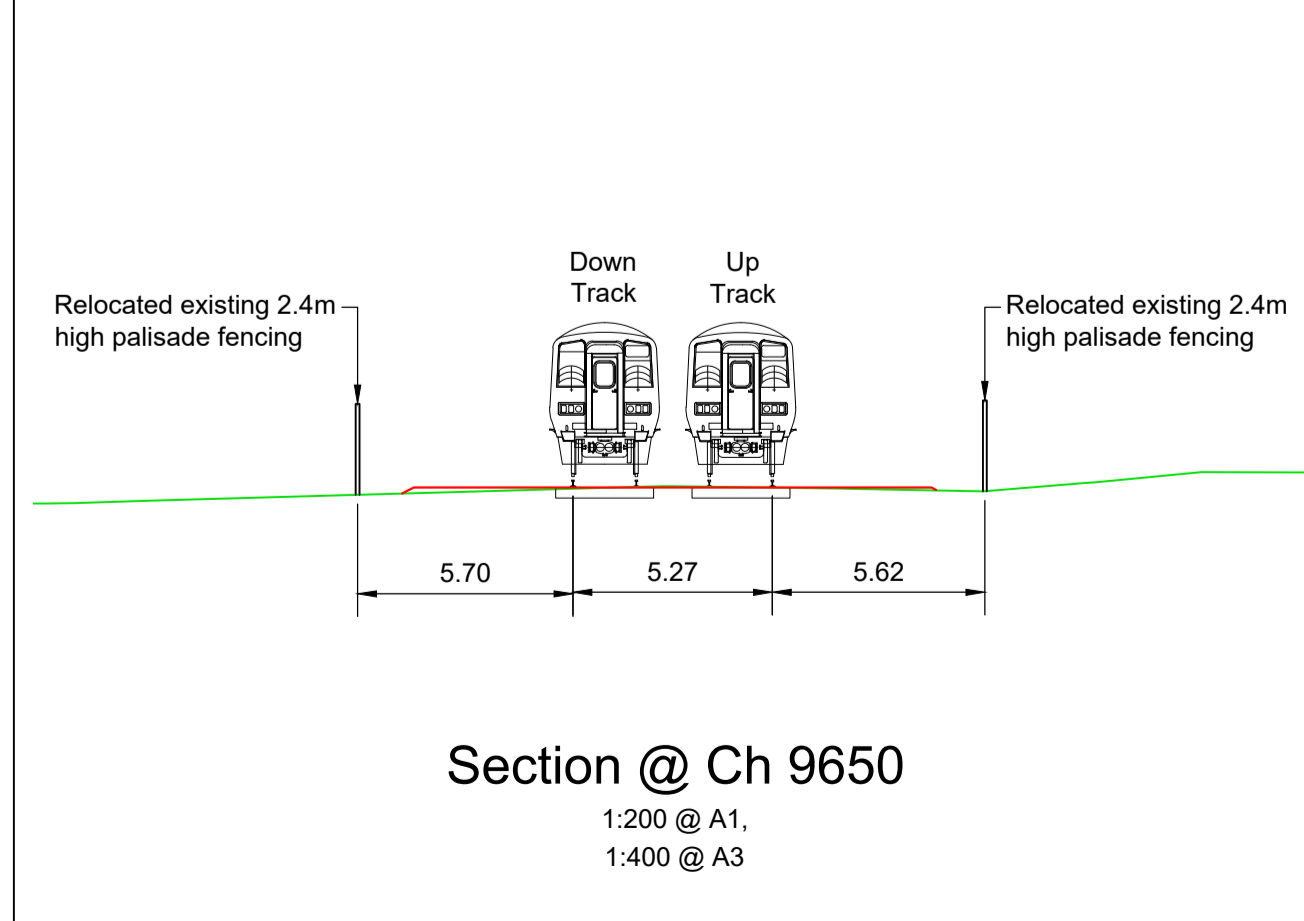
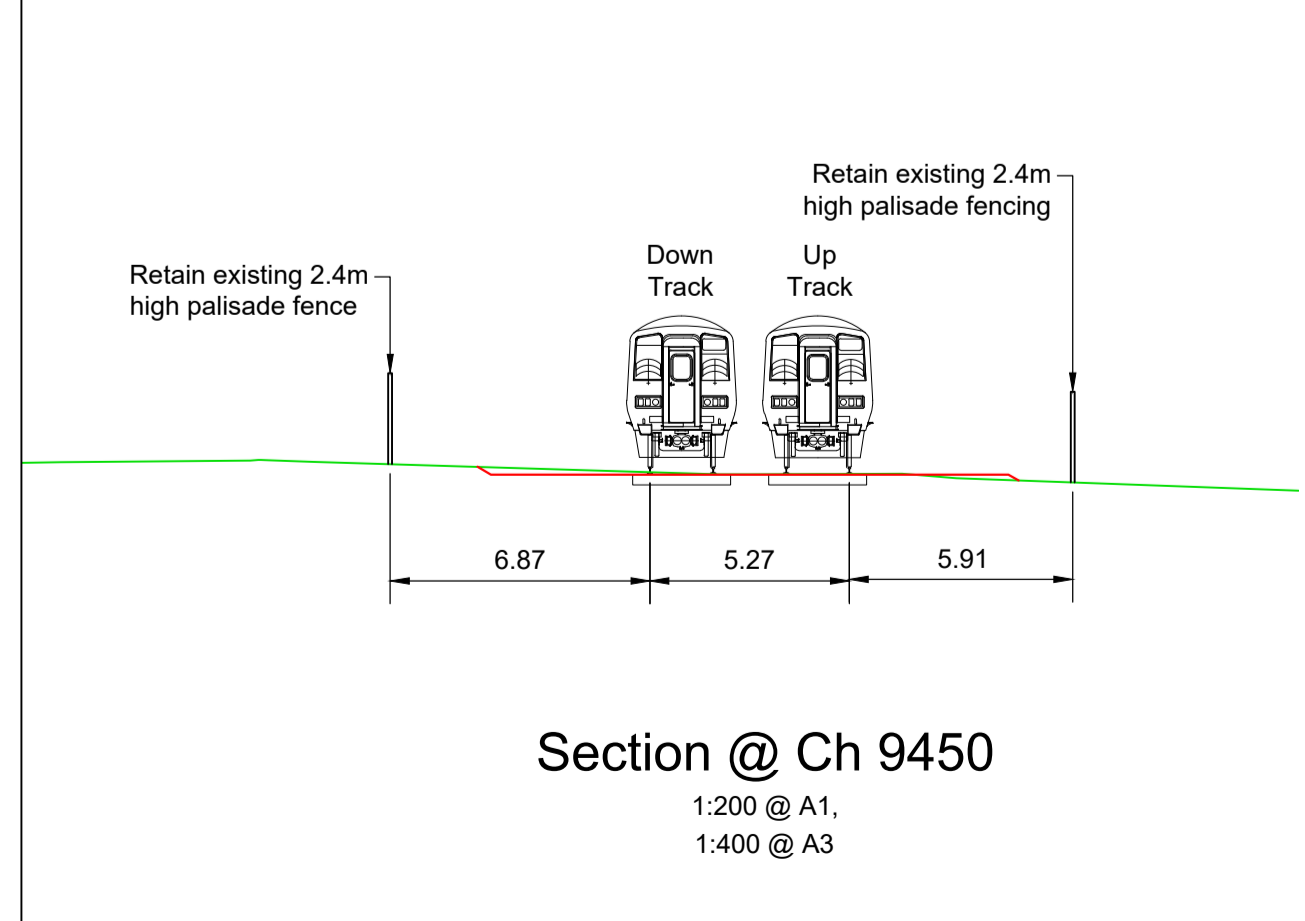
Plan  
1:500 @ A1, 1:1000 @ A3



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)

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
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**

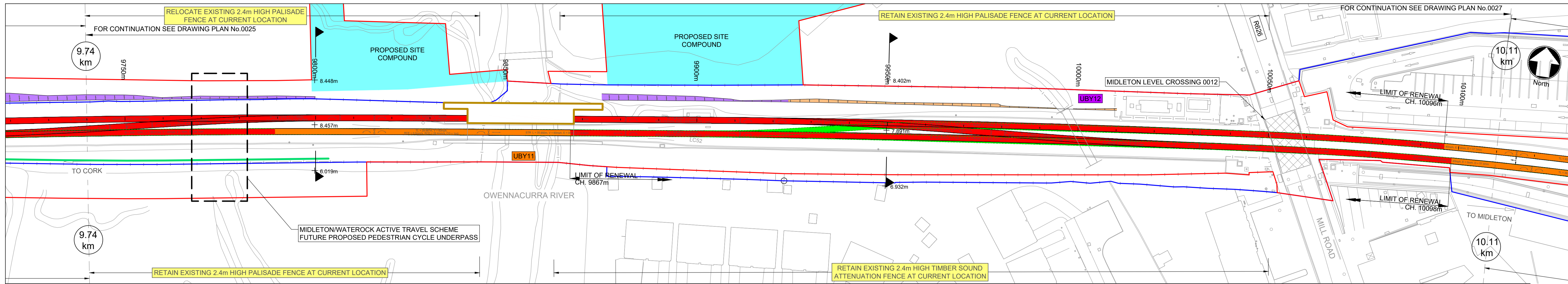
Project Title: CORK AREA COMMUTER RAIL  
GLOUNTHAUNE - MIDLETON TWIN TRACK

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY  
CH9360 TO CH9740

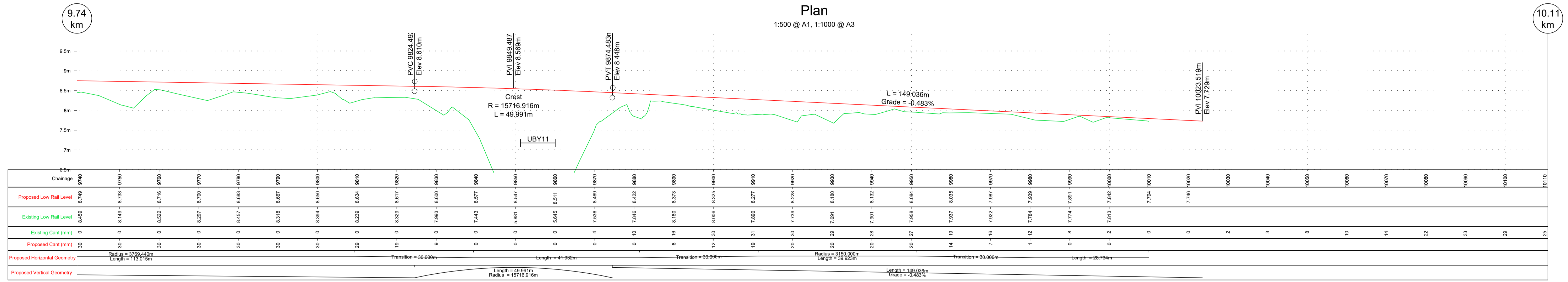
Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-PW-0025  
Sheet 25 of 28

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

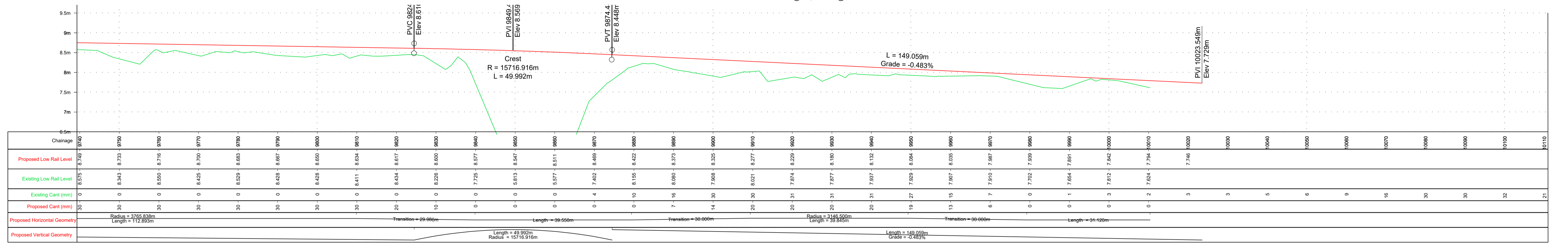
Coordination	Approved	Scale @A1: 1:500	Acceptance	Purpose	Rev
N.SAMACHETTY	J.MCINERNEY	Scale @A3: AS SHOWN	S	P1	P03



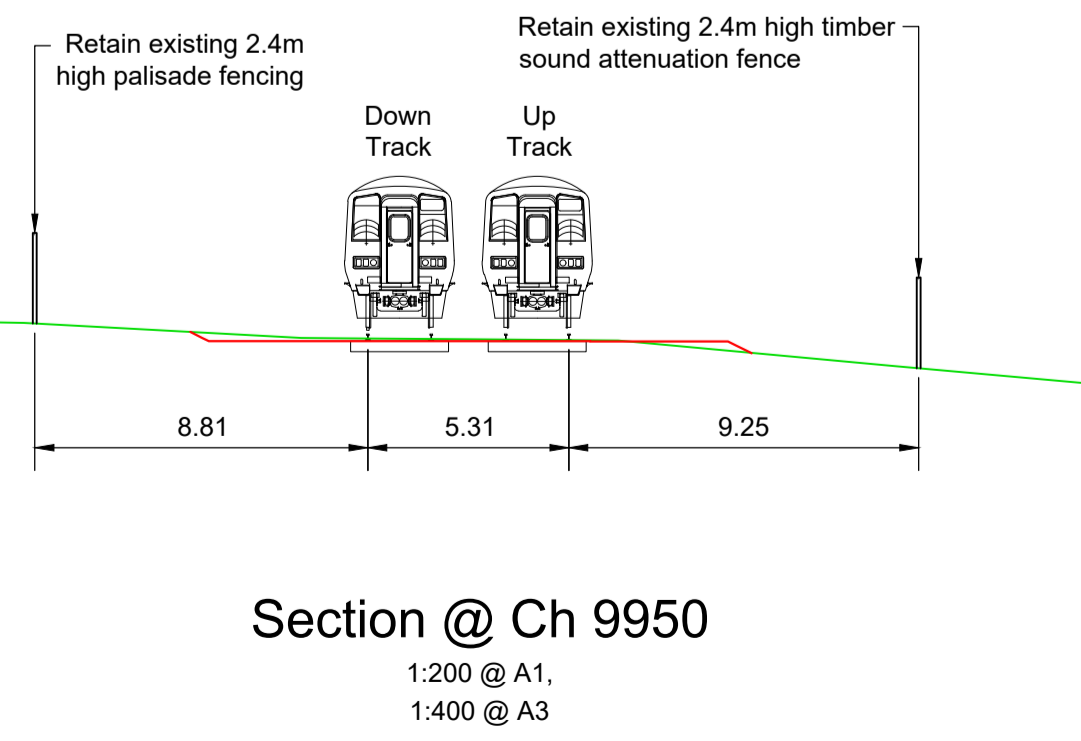
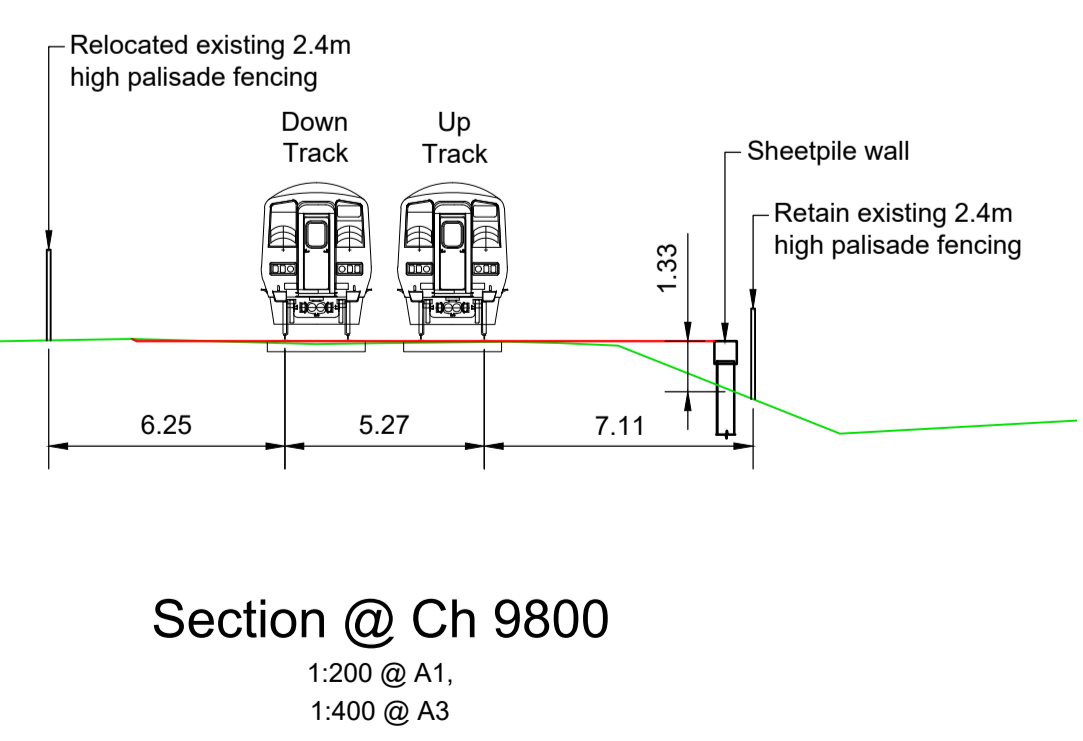
Plan  
1:500 @ A1, 1:1000 @ A3



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



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



**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)

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	RO	NS	JM	Preliminary Design for Public Consultation
P02	15/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P03	22/07/22	RO	NS	JM	Preliminary Design for Public Consultation
P04	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

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Amiens Street  
Dublin 1  
D01 V6V6

**Iarnród Éireann Irish Rail**

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

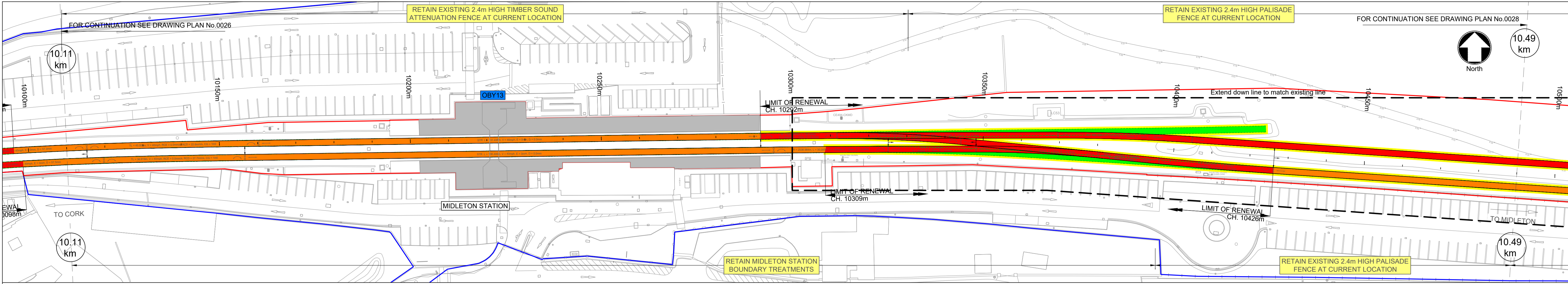
Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY  
CH9740 TO CH10120

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

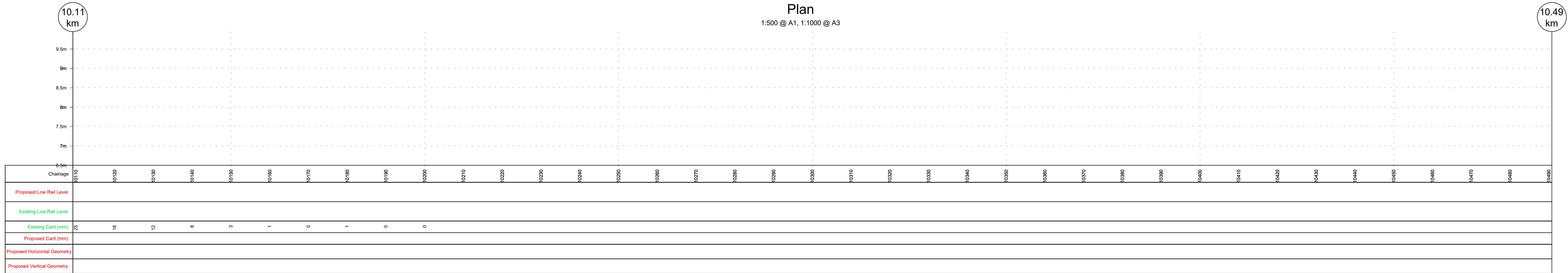
Date: 22/09/22  
Designed: D. ALDERSON  
Drawn: R. O'CONNOR  
Dwg check: G. BERCOT  
Eng check: N. SAMACHETTY

Scale @A1: 1:500  
Scale @A3: AS SHOWN  
Acceptance: S  
Purpose: P1  
Rev: P04

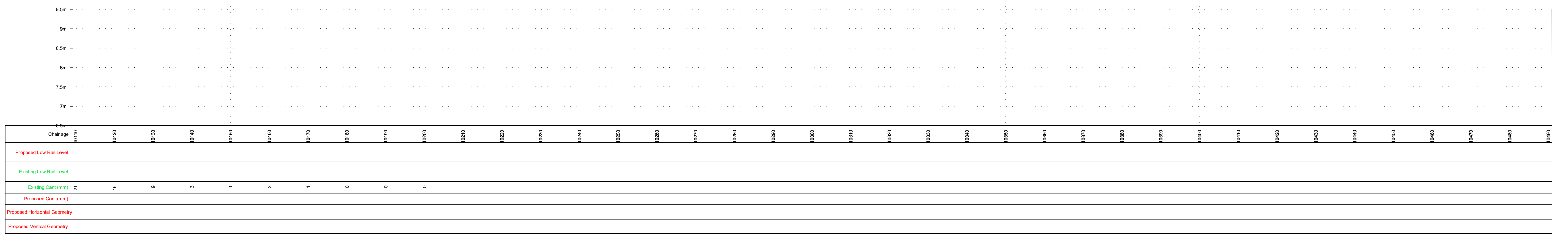
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**Plan**  
1:500 @ A1, 1:1000 @ A3



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



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

No change to existing cross-section

No change to existing cross-section

**LEGEND**

- DEVELOPMENT BOUNDARY
- CIE LAND OWNERSHIP
- EXISTING FENCING
- TOP OF EMBANKMENT
- TOP OF EMBANKMENT
- 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)

Rev	Date	Drawn	Eng Check	Appr	Description
P01	10/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P02	15/06/22	RO	NS	JM	Preliminary Design for Public Consultation
P03	22/07/22	RO	NS	JM	Preliminary Design for Public Consultation
P04	22/09/22	RO	NS	JM	PHASE 3: PRELIMINARY DESIGN

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

**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

**Sheet**  
27 of 28

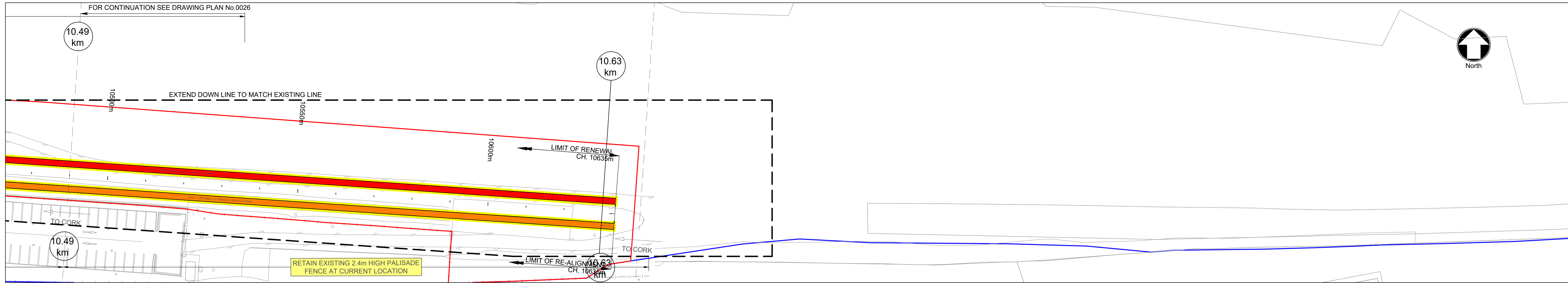
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**Acceptance**  
S

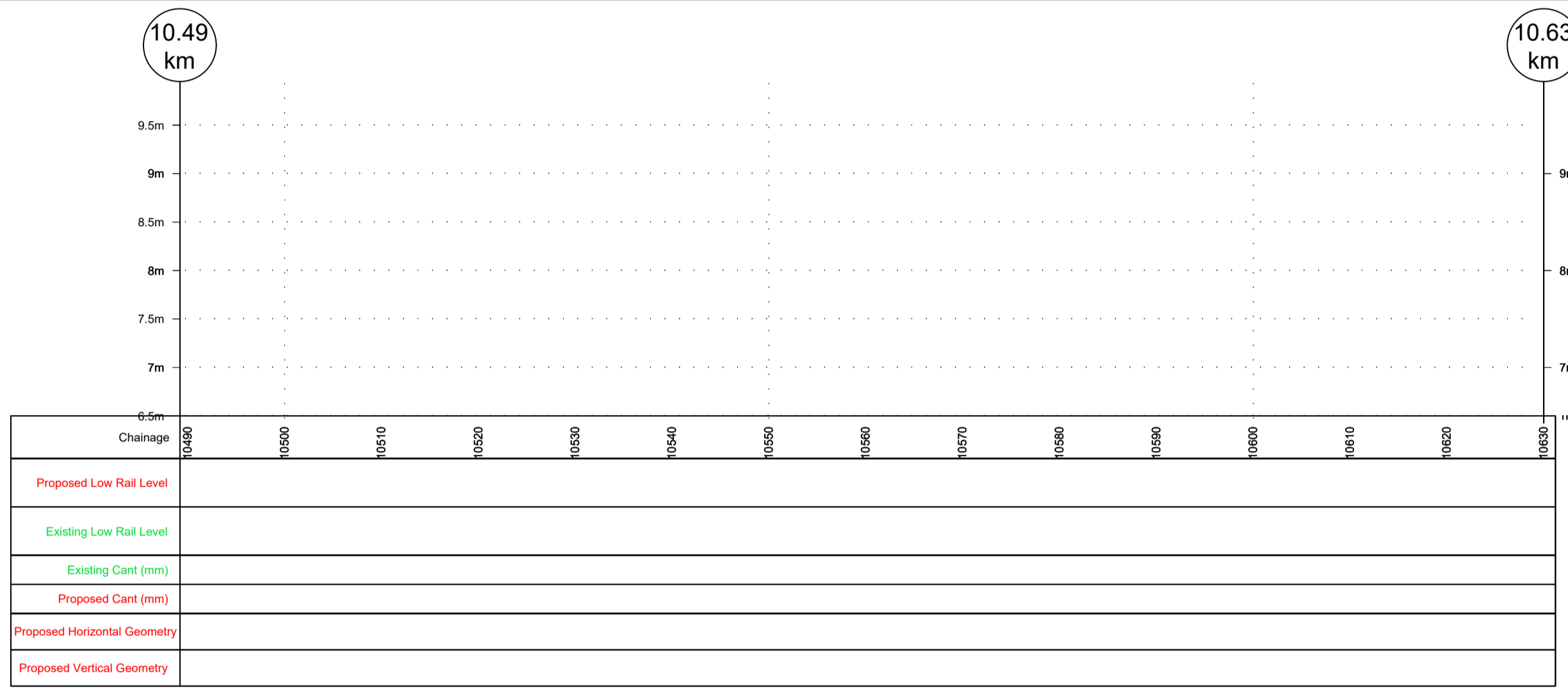
**Purpose**  
P1

**Rev**  
P04

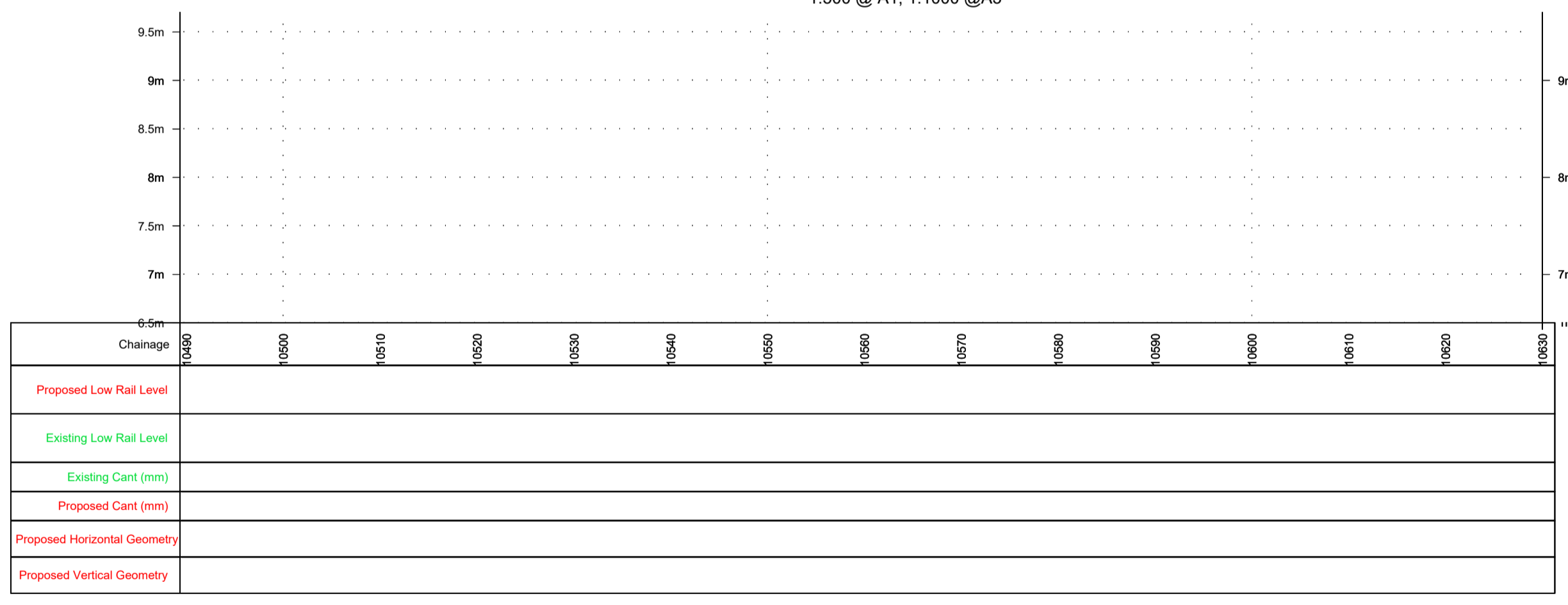




Plan  
1:500 @ A1, 1:1000 @A3



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

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

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P04	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

Drawing Title: GENERAL ARRANGEMENT PERMANENT WAY  
CH10500 TO CH10630

Drawing File Name: C745-WP3 03-XX-XX-XXX-DR-MMD-PW-0028  
Sheet 28 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	Scale @A1:	1:500	Scale @A3:	AS SHOWN	Acceptance	S
Purpose	P1	Rev	P04						