



# M11 Gorey to Enniscorthy Scheme



## Environmental Impact Statement Volume 4 - Figures



April 2009



# M11 Gorey to Enniscorthy Scheme

## Environmental Impact Statement Volume 4 - Figures

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Chapter 5:	Features of Socio-Economic Interest		Extent of Noise Model
Chapter 6:	Agricultural Landowners		Noise Receiver Locations
Chapter 7:	Property Owners (Material Assets)	Chapter 14:	Noise Mitigation Measures
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# M11 Gorey to Enniscorthy Scheme

## Environmental Impact Statement Volume 4 - Figures

### Chapter 3

**Proposed Scheme General Layout**

M11 Mainline – Ch. 0 to Ch. 4,630  
M11 Mainline – Ch. 4,630 to Ch. 8,330  
M11 Mainline – Ch. 8,330 to Ch. 12,000  
M11 Mainline – Ch. 12,000 to Ch. 15,800  
M11 Mainline – Ch. 15,800 to Ch. 19,400  
M11 Mainline – Ch. 19,400 to Ch. 23,000  
M11 Mainline – Ch. 23,000 to Ch. 26,600  
M11 Mainline – Ch. 26,600 to Ch. End & N80 Ch. 0 to Ch. 1,500  
N80 Mainline – Ch. 1,500 to Ch. 4,120  
N30 Mainline – Ch. 0 to Ch. 3,200  
N30 Mainline – Ch. 3,200 to Ch. 6,400  
N30 Mainline – Ch. 6,400 to Ch. End & M11 / R772 Roundabout

**Proposed Scheme Plan and Profile**

M11 Mainline – Start to Ch. 2,730m – Sheet 1 of 15  
M11 Mainline – Ch. 2,730m to Ch. 4,630m – Sheet 2 of 15  
M11 Mainline – Ch. 4,630m to Ch. 6,430m – Sheet 3 of 15  
M11 Mainline – Ch. 6,430m to Ch. 8,330m – Sheet 4 of 15  
M11 Mainline – Ch. 8,330m to Ch. 10,210m – Sheet 5 of 15  
M11 Mainline – Ch. 10,210m to Ch. 12,110m – Sheet 6 of 15  
M11 Mainline – Ch. 12,110m to Ch. 13,910m – Sheet 7 of 15  
M11 Mainline – Ch. 13,910m to Ch. 15,805m – Sheet 8 of 15  
M11 Mainline – Ch. 15,805m to Ch. 17,610m – Sheet 9 of 15  
M11 Mainline – Ch. 17,610m to Ch. 19,400m – Sheet 10 of 15  
M11 Mainline – Ch. 19,400m to Ch. 21,200m – Sheet 11 of 15  
M11 Mainline – Ch. 21,200m to Ch. 23,000m – Sheet 12 of 15  
M11 Mainline – Ch. 23,000m to Ch. 24,800m – Sheet 13 of 15  
M11 Mainline – Ch. 24,800m to Ch. 26,600m– Sheet 14 of 15  
M11 Mainline – Ch. 26,600m to End – Sheet 15 of 15  
N30 Mainline – Start to Ch. 1,160m – Sheet 1 of 5  
N30 Mainline – Ch. 1,160m to Ch. 3,195m – Sheet 2 of 5  
N30 Mainline – Ch. 3,195 to Ch. 4,800m – Sheet 3 of 5  
N30 Mainline – Ch. 4,800m to Ch. 6,410m – Sheet 4 of 5  
N30 Mainline – Ch. 4,800m to End – Sheet 5 of 5  
N80 Link Road – Start to Ch. 1,495m – Sheet 1 of 3  
N80 Link Road – Ch. 1,495m to Ch. 2,990m – Sheet 2 of 3  
N80 Link Road – Ch. 2,990m to End – Sheet 3 of 3  
Typical Cross Sections  
River Slaney Bridge - Elevations and Section

Figure 3.1.1  
Figure 3.1.2  
Figure 3.1.3  
Figure 3.1.4  
Figure 3.1.5  
Figure 3.1.6  
Figure 3.1.7  
Figure 3.1.8  
Figure 3.1.9  
Figure 3.1.10  
Figure 3.1.11  
Figure 3.1.12

Figure 3.2.1  
Figure 3.2.2  
Figure 3.2.3  
Figure 3.2.4  
Figure 3.2.5  
Figure 3.2.6  
Figure 3.2.7  
Figure 3.2.8  
Figure 3.2.9  
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Figure 3.2.11  
Figure 3.2.12  
Figure 3.2.13  
Figure 3.2.14  
Figure 3.2.15  
Figure 3.2.16  
Figure 3.2.17  
Figure 3.2.18  
Figure 3.2.19  
Figure 3.2.20  
Figure 3.2.21  
Figure 3.2.22  
Figure 3.2.23  
Figure 3.3  
Figure 3.4

**Proposed Drainage Outfall Locations**

M11 Mainline – Start to Ch. 2,730m – Sheet 1 of 15  
M11 Mainline – Ch. 2,730m to Ch. 4,630m – Sheet 2 of 15  
M11 Mainline – Ch. 4,630m to Ch. 6,430m – Sheet 3 of 15  
M11 Mainline – Ch. 6,430m to Ch. 8,330m – Sheet 4 of 15  
M11 Mainline – Ch. 8,330m to Ch. 10,210m – Sheet 5 of 15  
M11 Mainline – Ch. 10,210m to Ch. 12,110m – Sheet 6 of 15  
M11 Mainline – Ch. 12,110m to Ch. 13,910m – Sheet 7 of 15  
M11 Mainline – Ch. 13,910m to Ch. 15,805m – Sheet 8 of 15  
M11 Mainline – Ch. 15,805m to Ch. 17,610m – Sheet 9 of 15  
M11 Mainline – Ch. 17,610m to Ch. 19,400m – Sheet 10 of 15  
M11 Mainline – Ch. 19,400m to Ch. 21,200m – Sheet 11 of 15  
M11 Mainline – Ch. 21,200m to Ch. 23,000m – Sheet 12 of 15  
M11 Mainline – Ch. 23,000m to Ch. 24,800m – Sheet 13 of 15  
M11 Mainline – Ch. 24,800m to Ch. 26,600m– Sheet 14 of 15  
M11 Mainline – Ch. 26,600m to End – Sheet 15 of 15  
N30 Mainline – Start to Ch. 1,160m – Sheet 1 of 5  
N30 Mainline – Ch. 1,160m to Ch. 3,195m – Sheet 2 of 5  
N30 Mainline – Ch. 3,195 to Ch. 4,800m – Sheet 3 of 5  
N30 Mainline – Ch. 4,800m to Ch. 6,410m – Sheet 4 of 5  
N30 Mainline – Ch. 4,800m to End – Sheet 5 of 5  
N80 Link Road – Start to Ch. 1,495m – Sheet 1 of 3  
N80 Link Road – Ch. 1,495m to Ch. 2,990m – Sheet 2 of 3  
N80 Link Road – Ch. 2,990m to End – Sheet 3 of 3

**Landownership**

M11 Mainline – Start to Ch. 2,730m – Sheet 1 of 15  
M11 Mainline – Ch. 2,730m to Ch. 4,630m – Sheet 2 of 15  
M11 Mainline – Ch. 4,630m to Ch. 6,430m – Sheet 3 of 15  
M11 Mainline – Ch. 6,430m to Ch. 8,330m – Sheet 4 of 15  
M11 Mainline – Ch. 8,330m to Ch. 10,210m – Sheet 5 of 15  
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M11 Mainline – Ch. 24,800m to Ch. 26,600m– Sheet 14 of 15  
M11 Mainline – Ch. 26,600m to End – Sheet 15 of 15  
N30 Mainline – Start to Ch. 1,160m – Sheet 1 of 5  
N30 Mainline – Ch. 1,160m to Ch. 3,195m – Sheet 2 of 5

Figure 3.5.1  
Figure 3.5.2  
Figure 3.5.3  
Figure 3.5.4  
Figure 3.5.5  
Figure 3.5.6  
Figure 3.5.7  
Figure 3.5.8  
Figure 3.5.9  
Figure 3.5.10  
Figure 3.5.11  
Figure 3.5.12  
Figure 3.5.13  
Figure 3.5.14  
Figure 3.5.15  
Figure 3.5.16  
Figure 3.5.17  
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Figure 3.5.20  
Figure 3.5.21  
Figure 3.5.22  
Figure 3.5.23

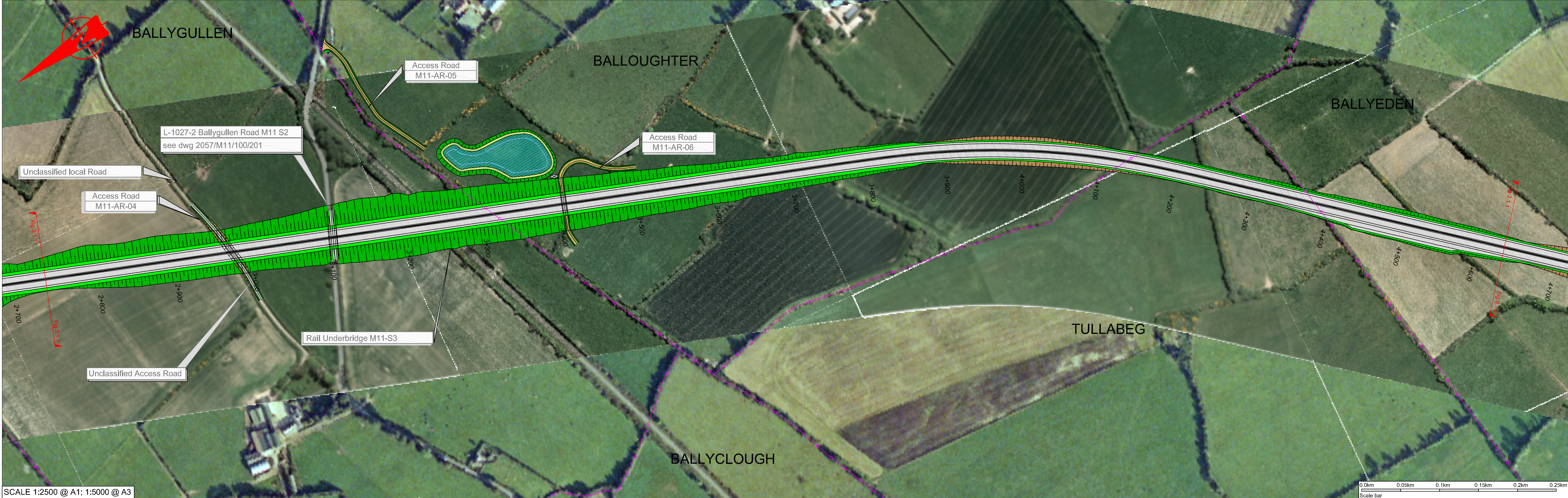
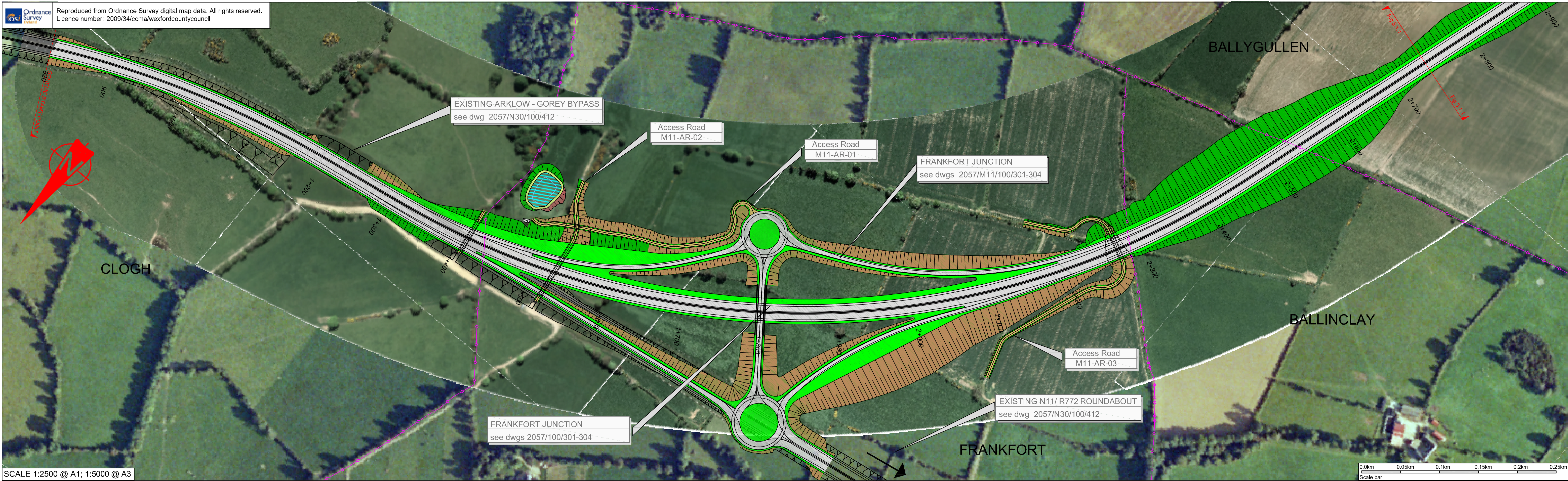
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Figure 3.6.5  
Figure 3.6.6  
Figure 3.6.7  
Figure 3.6.8  
Figure 3.6.9  
Figure 3.6.10  
Figure 3.6.11  
Figure 3.6.12  
Figure 3.6.13  
Figure 3.6.14  
Figure 3.6.15  
Figure 3.6.16  
Figure 3.6.17

**Landownership Cont'd**

N30 Mainline – Ch. 3,195 to Ch. 4,800m – Sheet 3 of 5  
N30 Mainline – Ch. 4,800m to Ch. 6,410m – Sheet 4 of 5  
N30 Mainline – Ch. 4,800m to End – Sheet 5 of 5  
N80 Link Road – Start to Ch. 1,495m – Sheet 1 of 3  
N80 Link Road – Ch. 1,495m to Ch. 2,990m – Sheet 2 of 3  
N80 Link Road – Ch. 2,990m to End – Sheet 3 of 3

Figure 3.6.18  
Figure 3.6.19  
Figure 3.6.20  
Figure 3.6.21  
Figure 3.6.22  
Figure 3.6.23





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Rev	By	Date	Description
A	GS	170409	Updated Alignment

Project: **M11 Gorey to Enniscorthy Scheme**

Component: **EIS - General Arrangement**

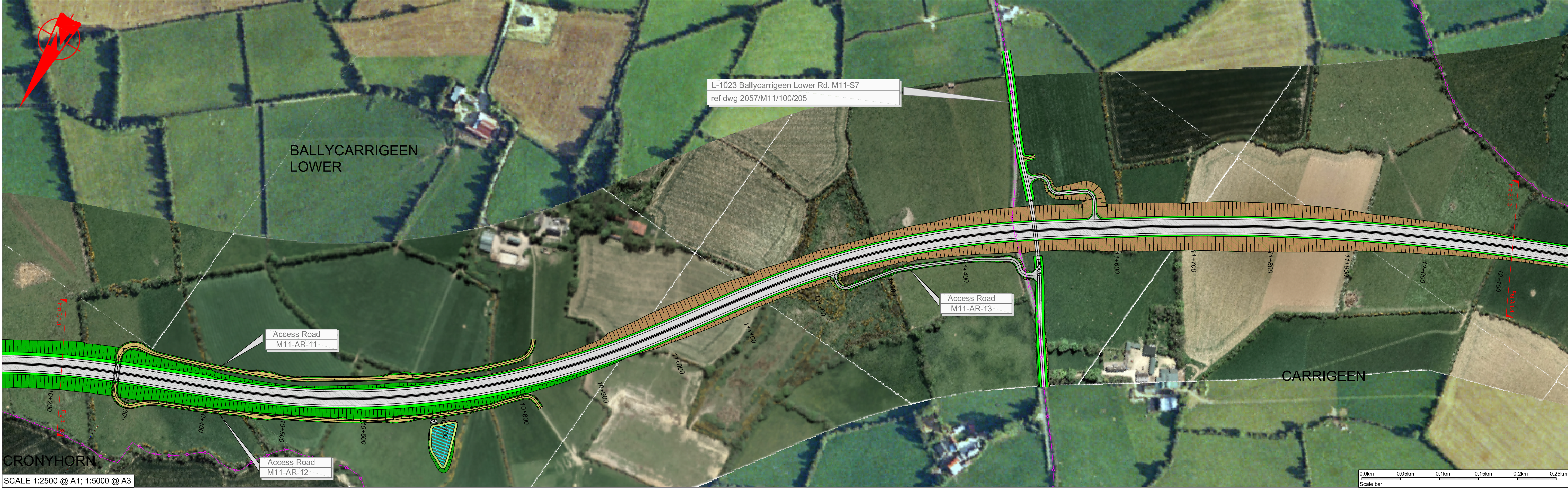
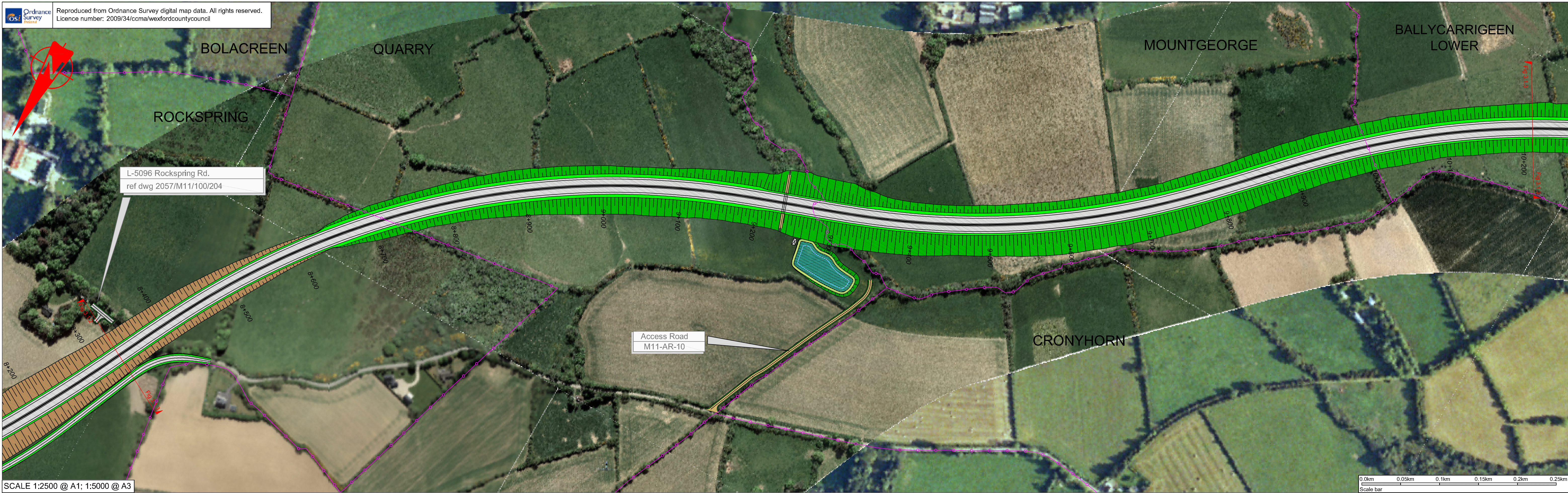
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Checked: TD	Date: 17/04/09	Date: 17/04/09	









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e-mail: rhwsp@ryanhaley.ie

Rev	By	Date	Description
A	GS	170409	Updtaed Alignment

Project: **M11 Gorey to Enniscorthy Scheme**

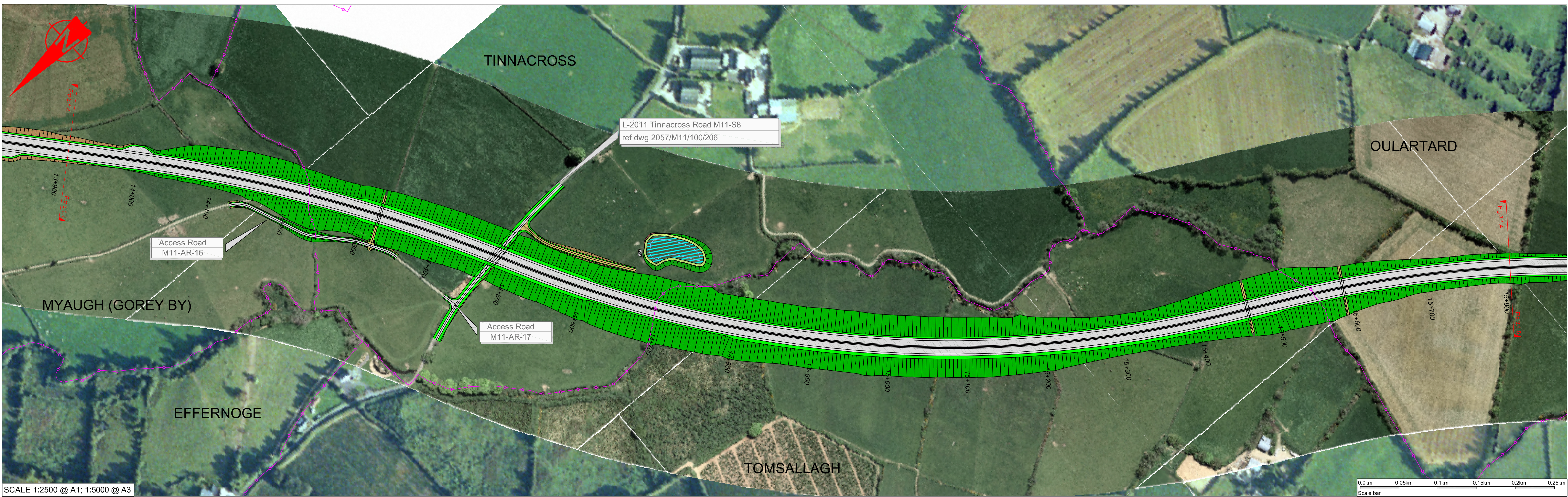
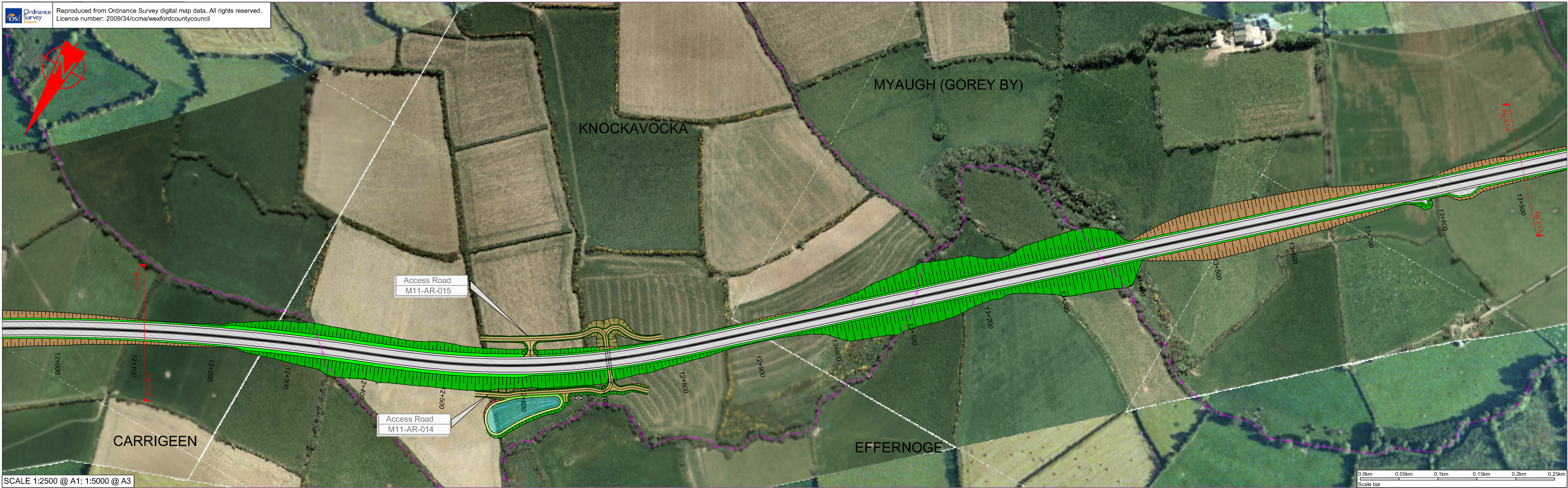
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A	GS	17/04/09	Updated Alignment

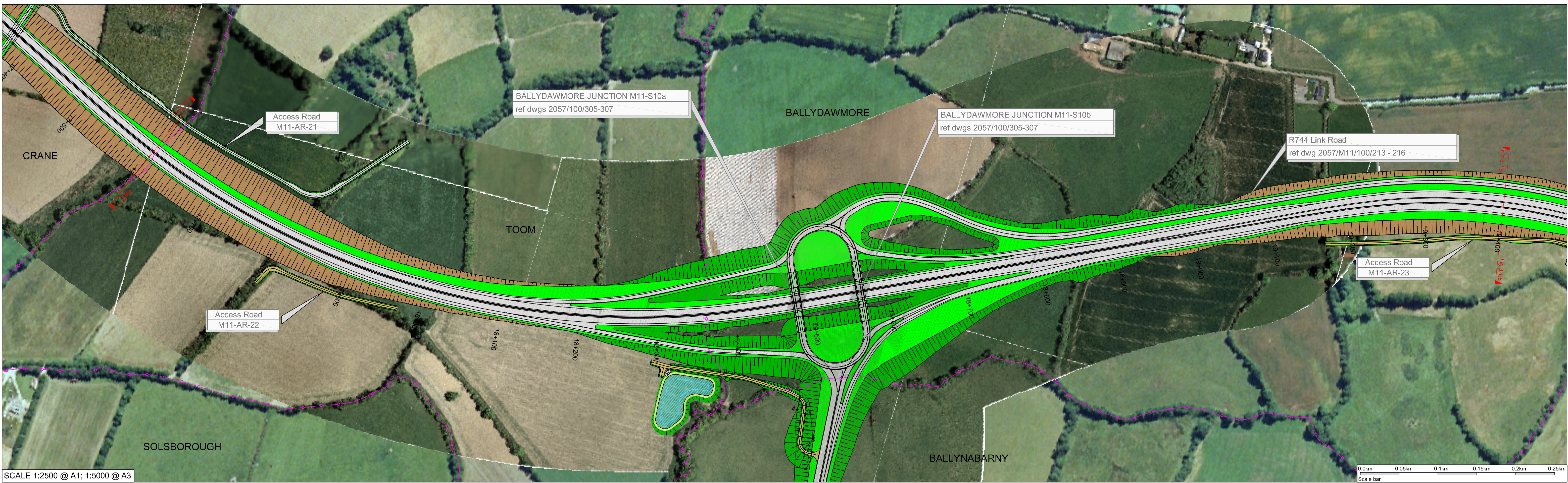
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Component: **EIS - General Arrangement**

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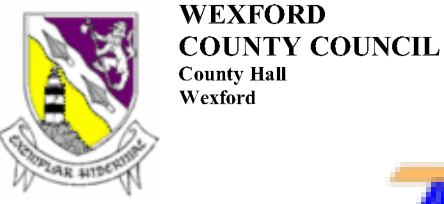
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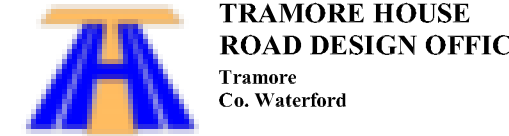
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Rev	By	Date	Description
A	GS	17/04/09	Updated Alignment

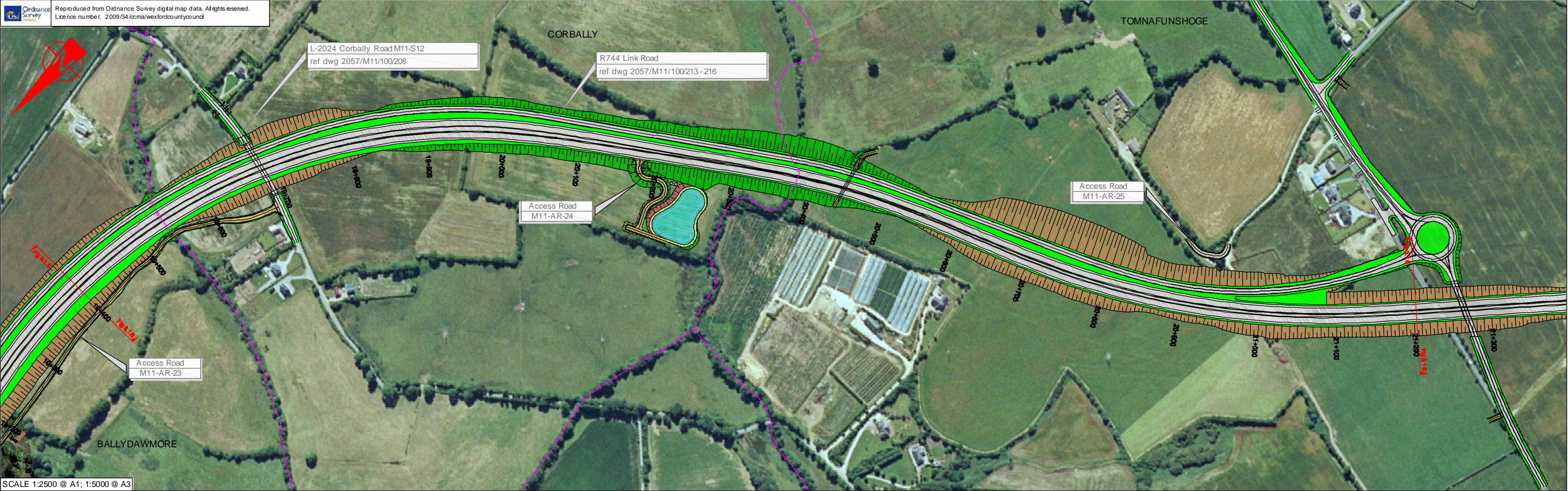
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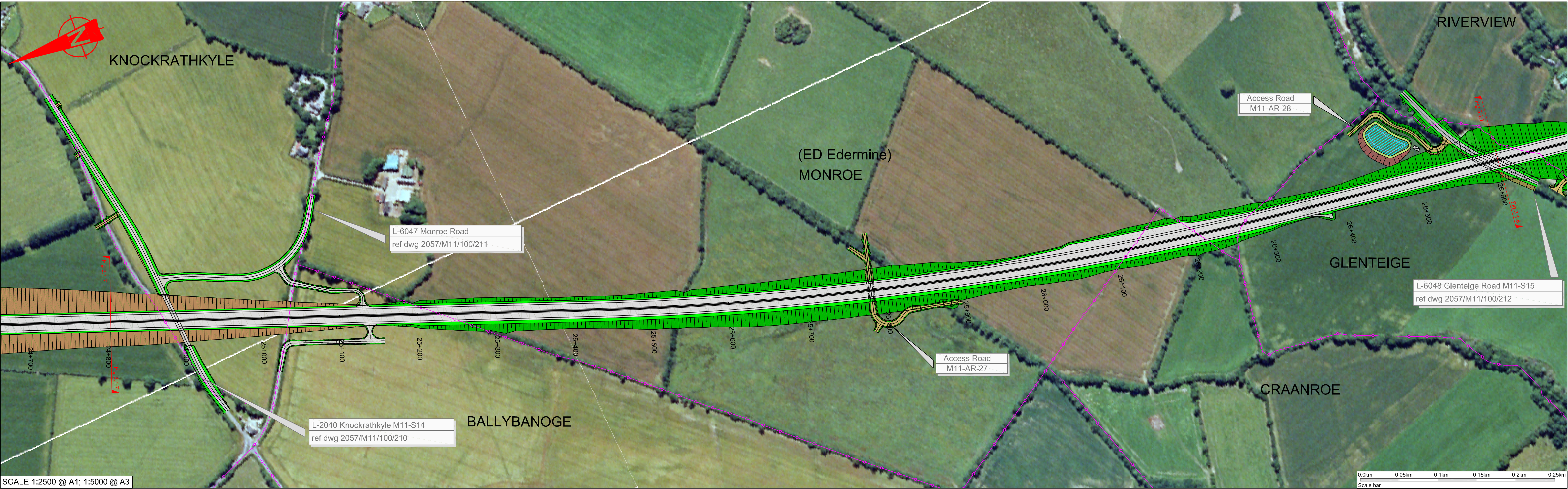




Rev	By	Date	Description
A	GS	17/04/09	Updated Alignment

Project: M11 Gorey to Enniscorthy Scheme			
Component: EIS - General Arrangement			
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Drawn: GS	Date: 17/04/09	Original Scale: As Shown	Fig 3.1.6
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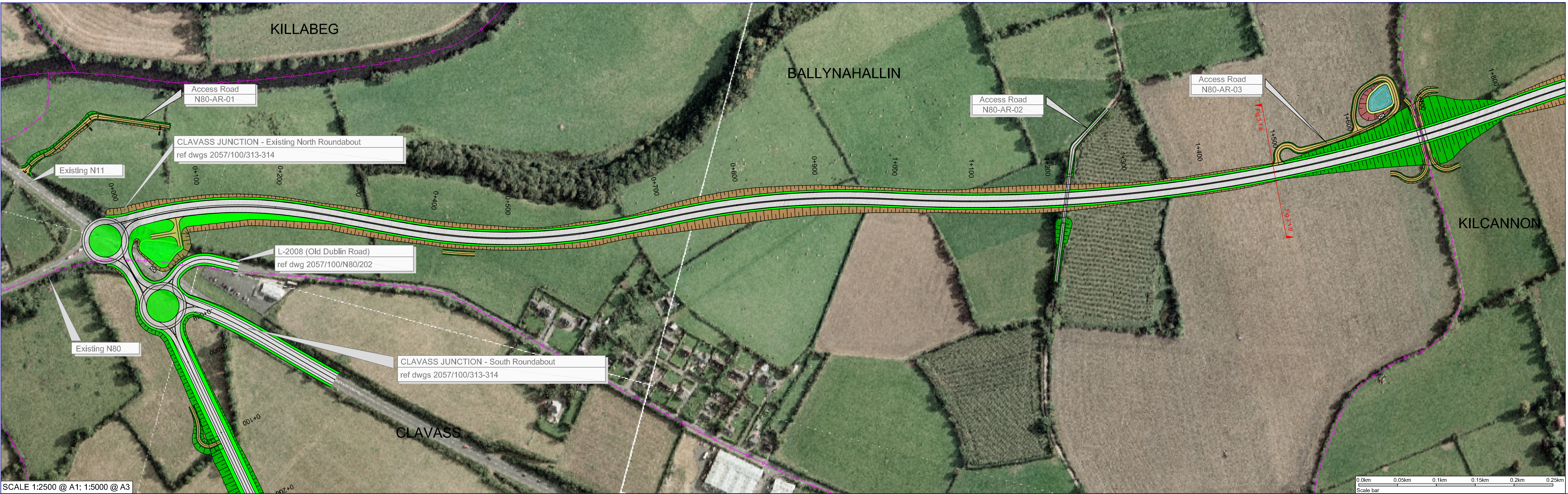
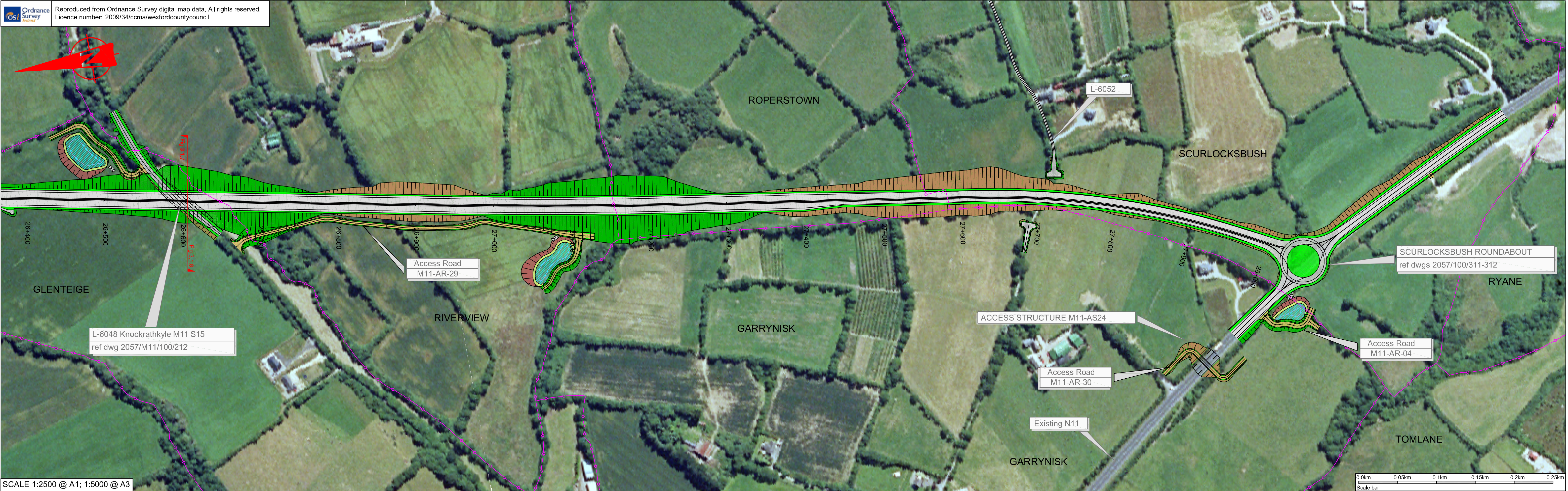
Project: **M11 Gorey to Enniscorthy Scheme**

Component: **EIS - General Arrangement**

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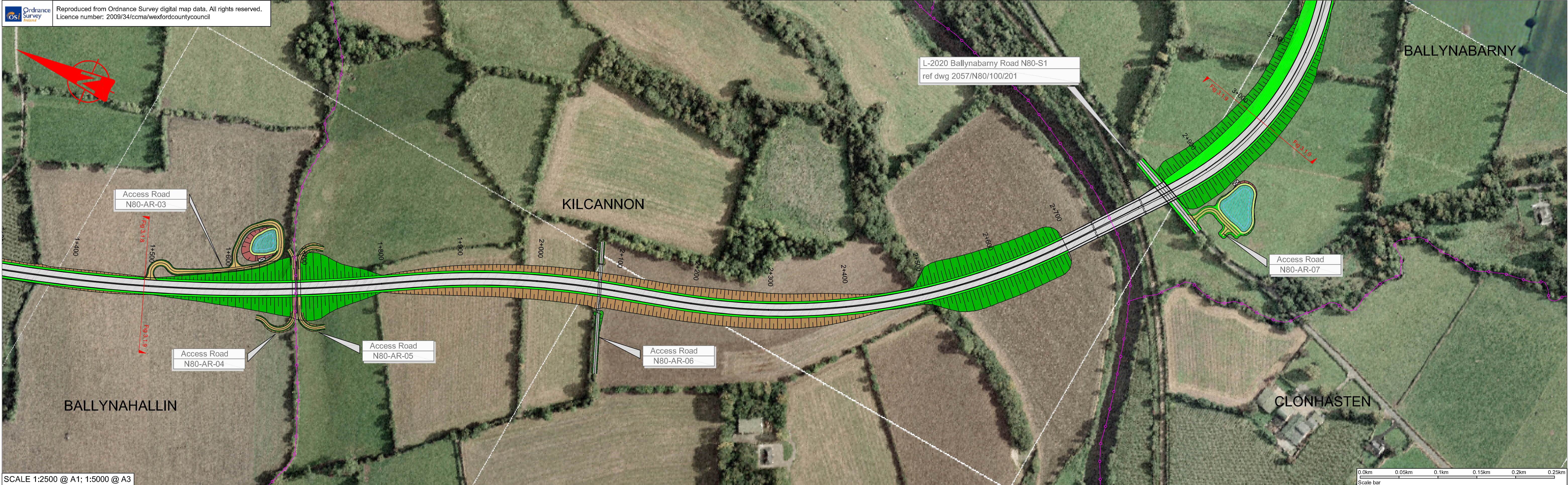


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Rev	By	Date	Description
A	GS	17/04/09	Updated Alignment

Project: M11 Gorey to Enniscorthy Scheme			
Component: EIS - General Arrangement			
Title: Mainline - M11 Ch 24800 to Ch End & N80 Ch 0 to Ch 1500			
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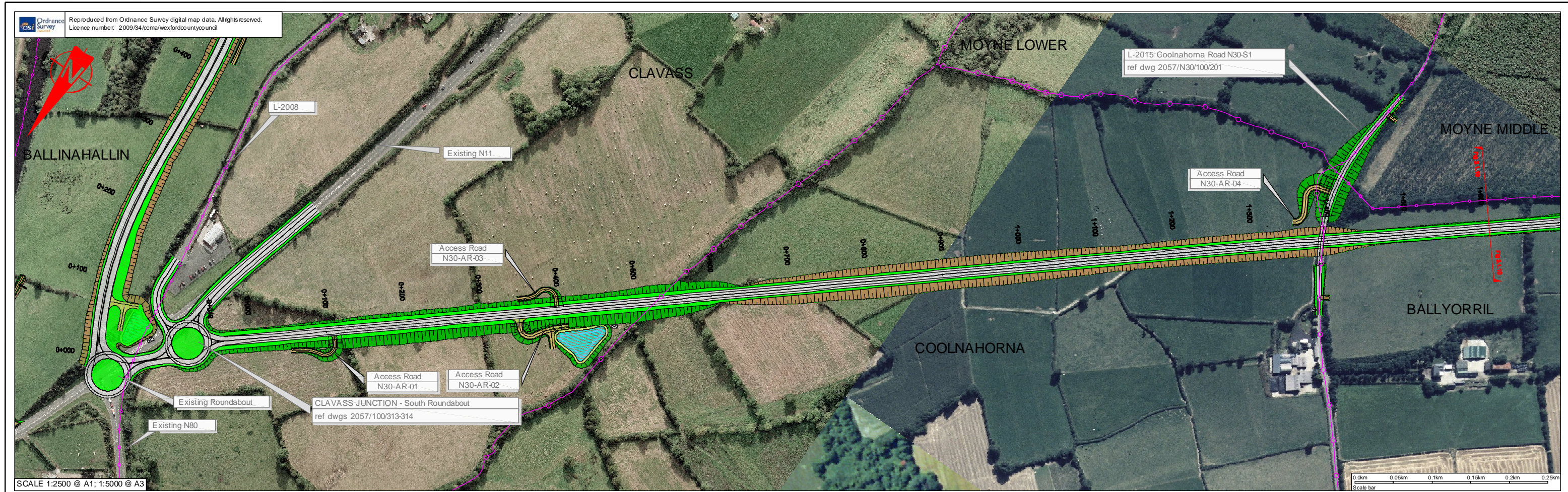




Rev	By	Date	Description
A	GS	170409	Updated Alignment

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Component:	EIS - General Arrangement		
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Drawn: GS	Date: 17/04/09	Original Scale: As Shown	Fig 3.1.2
Checked: TD	Date: 17/04/09	Date: 17/04/09	





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Rev	By	Date	Description
A	GS	17/04/09	Updated Alignment

Project: M11 Gorey to Enniscorthy Scheme

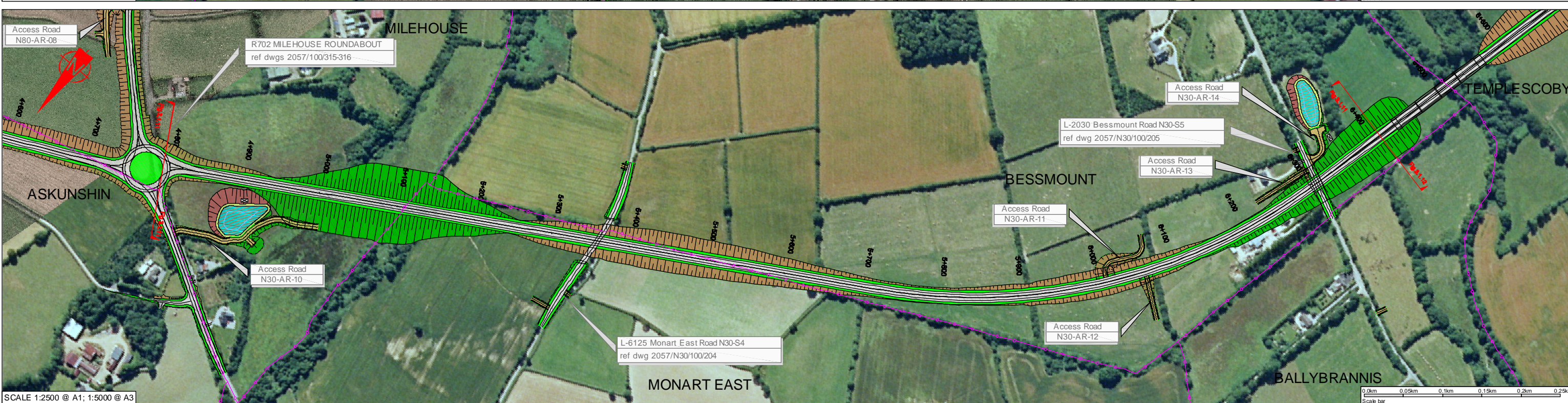
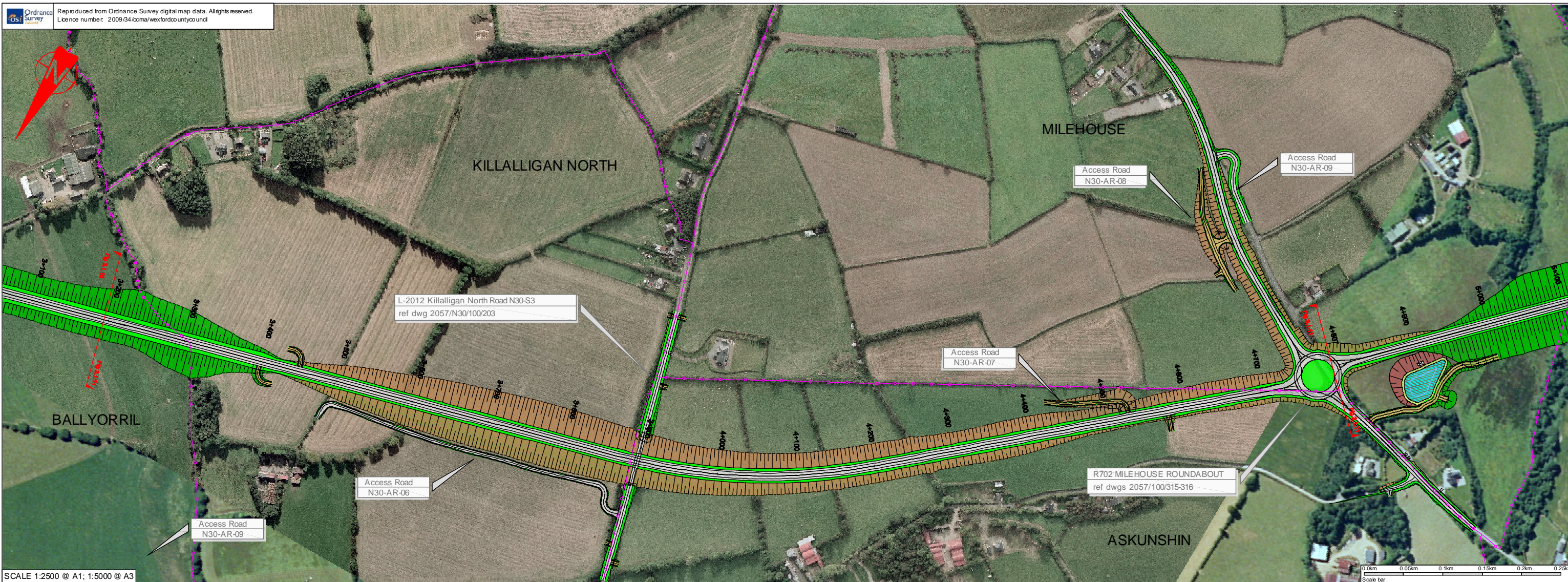
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Project: M11 Gorey to Enniscorthy Scheme

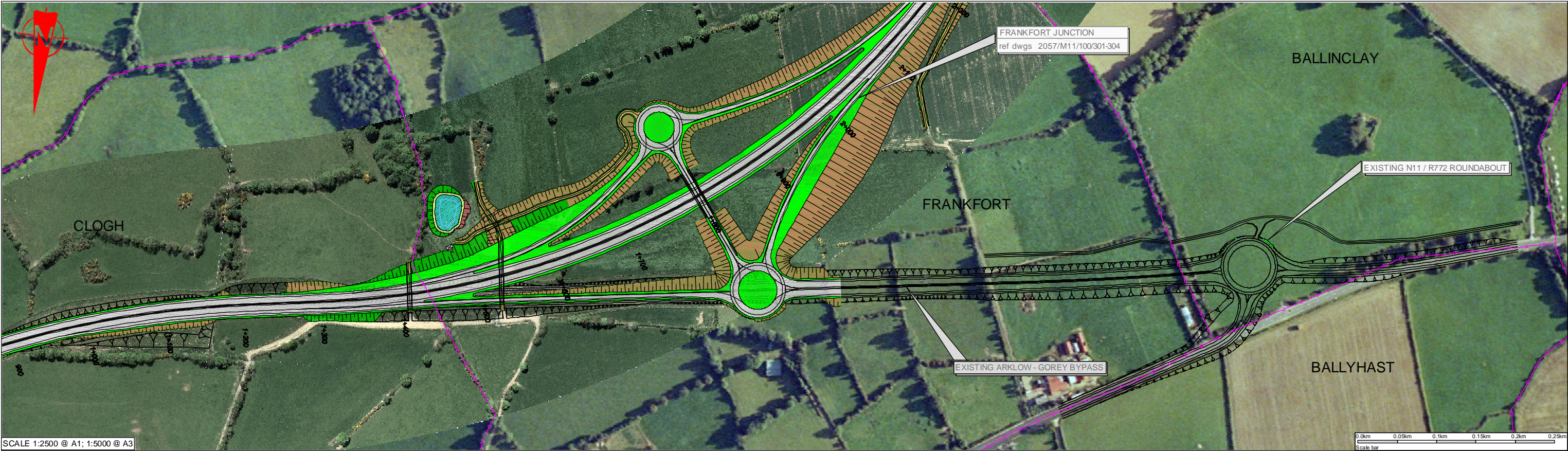
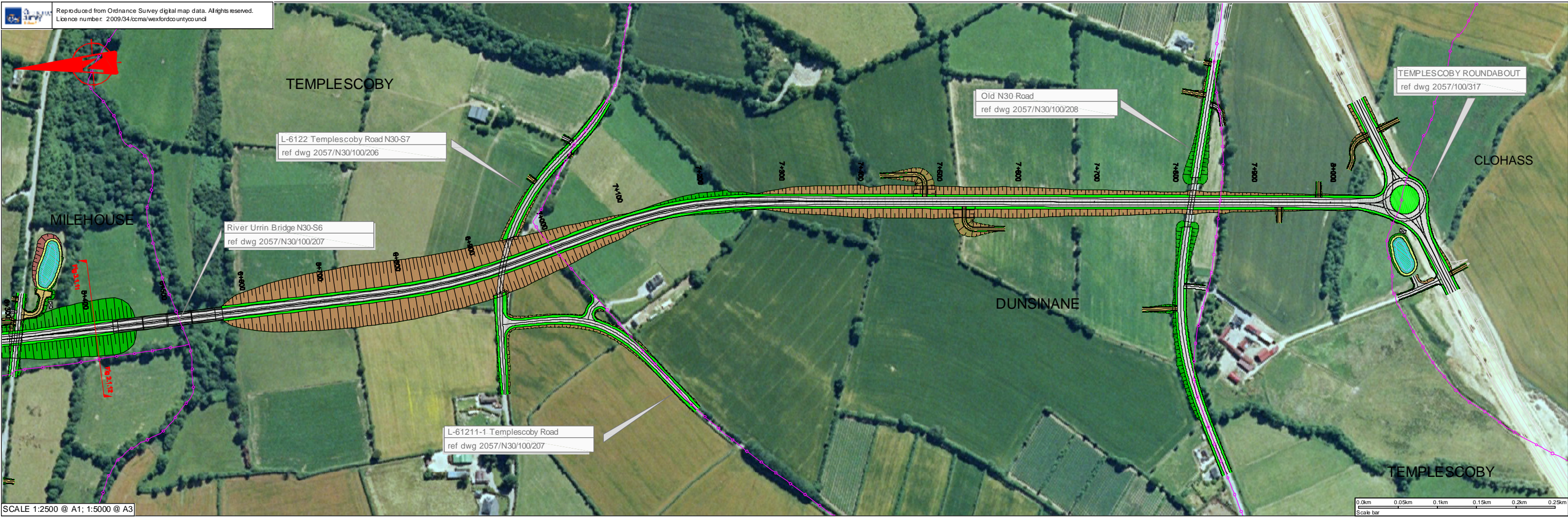
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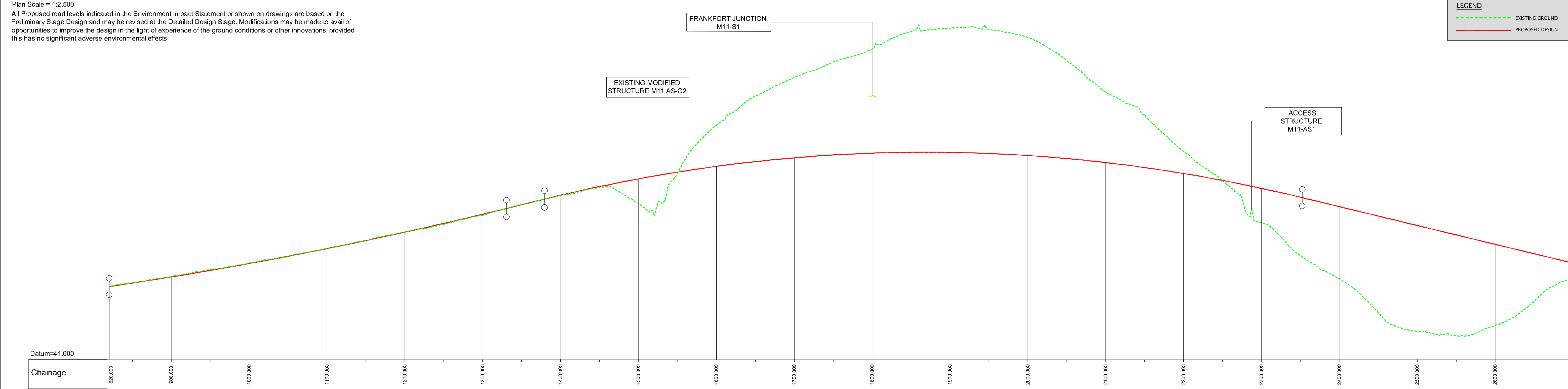
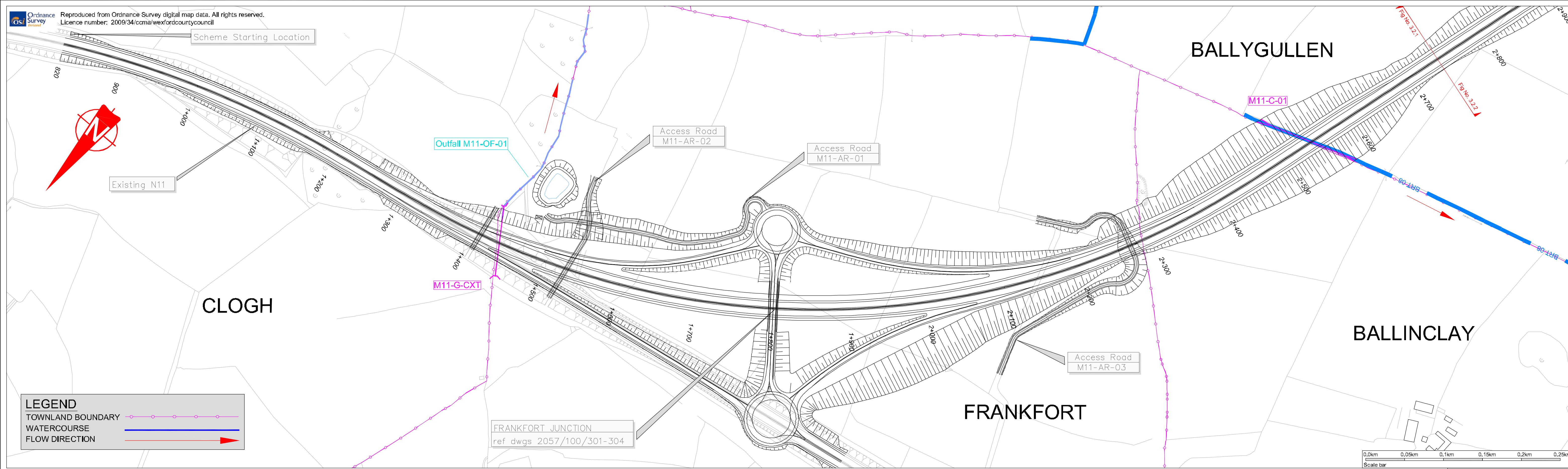




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A	GS	17/04/09	Updated Alignment

Project: M11 Gorey to Enniscorthy Scheme			
Component: EIS - General Arrangement			
Title: N30 Mainline - Ch.6400 to Ch.End & M11/R772 Roundabout			
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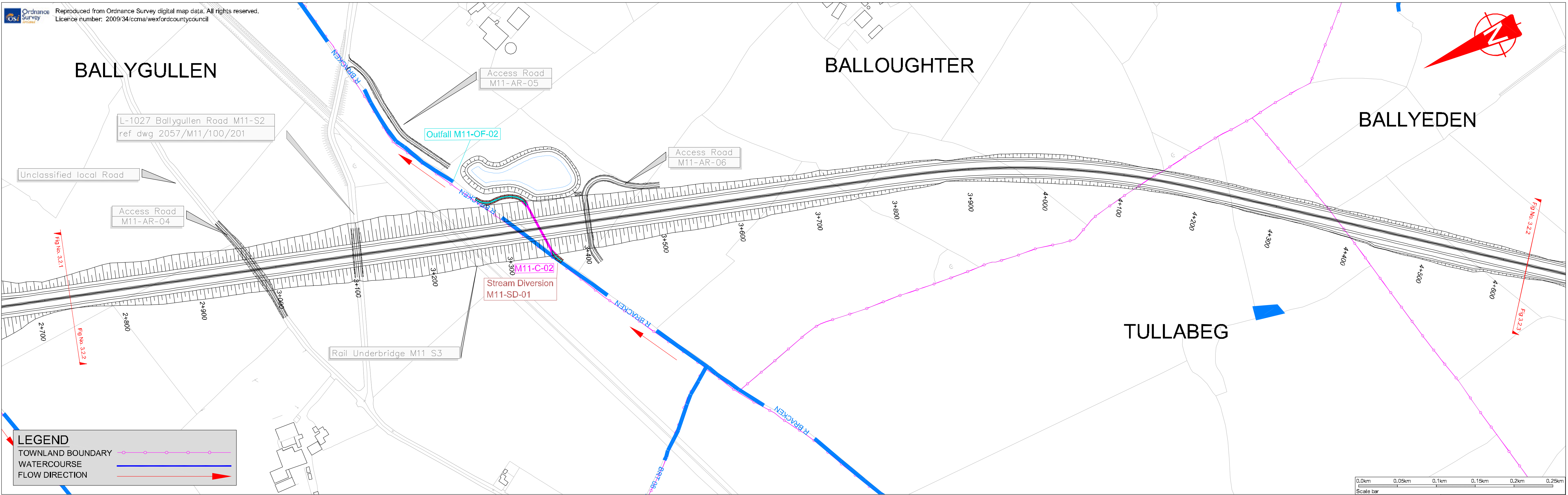
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Component: **EIS Report Plan & Profile**

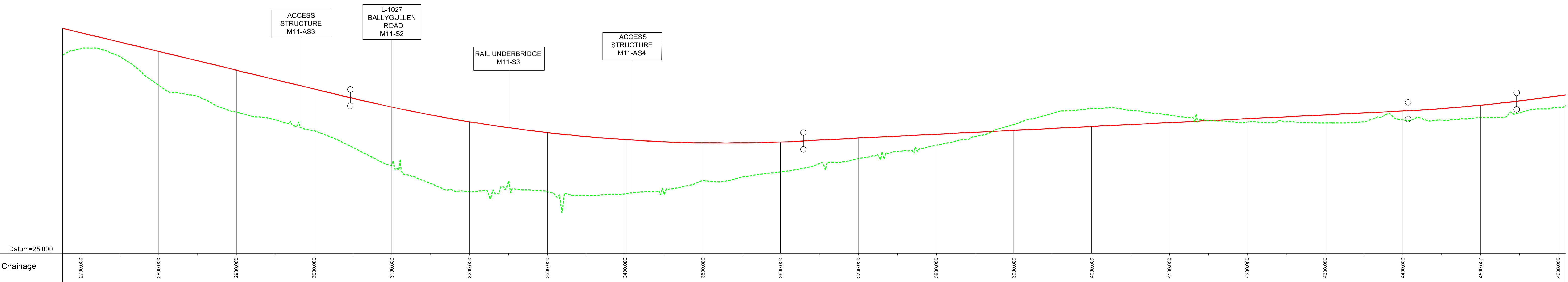
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Designed: FC	Date: 05/01/09	File Name: Fig 3.2.1	Drawing No:
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Checked: TD	Date: 05/01/09	Date: 05/01/09	

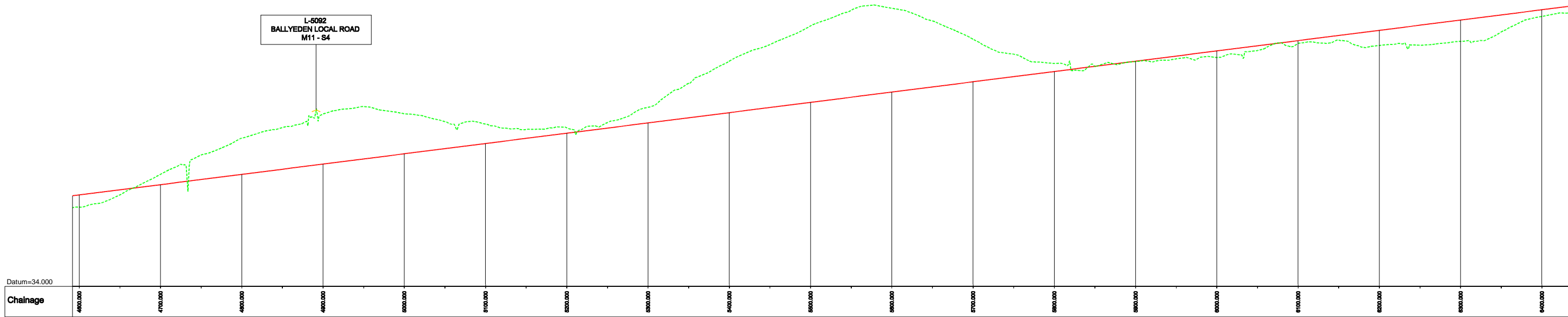
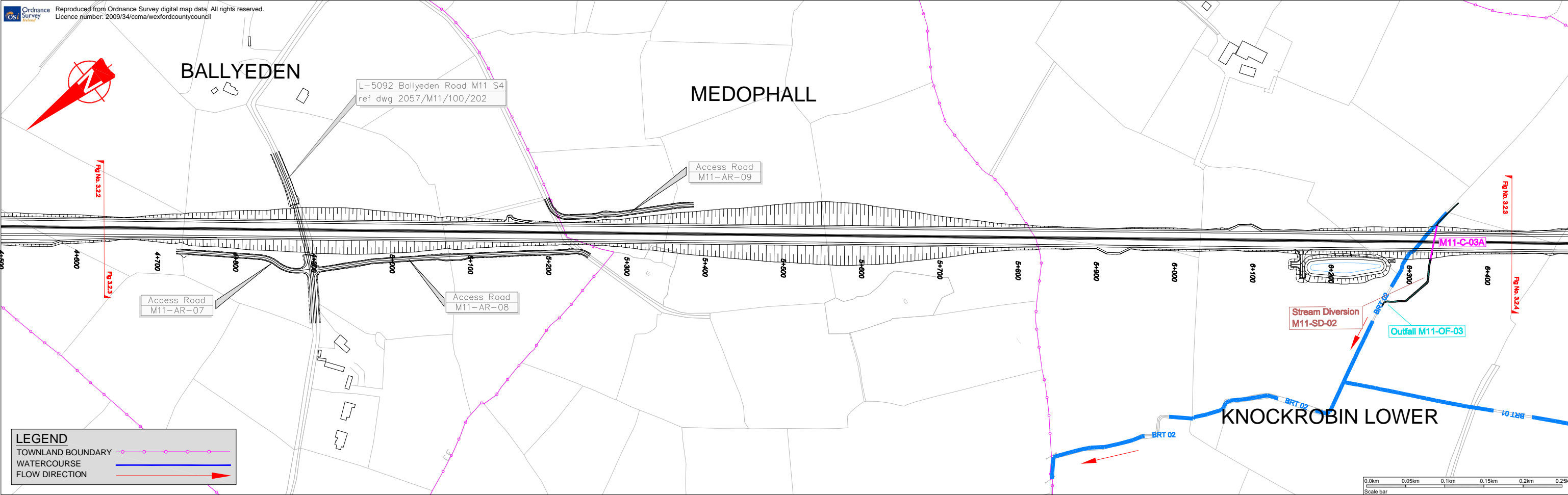




Plan Scale = 1:2,500  
All Proposed road levels indicated in the Environment Impact Statement or shown on drawings are based on the Preliminary Stage Design and may be revised at the Detailed Design Stage. Modifications may be made to avail of opportunities to improve the design in the light of experience of the ground conditions or other innovations, provided this has no significant adverse environmental effects



Profile Scales H = 1:2,500 V = 1:250



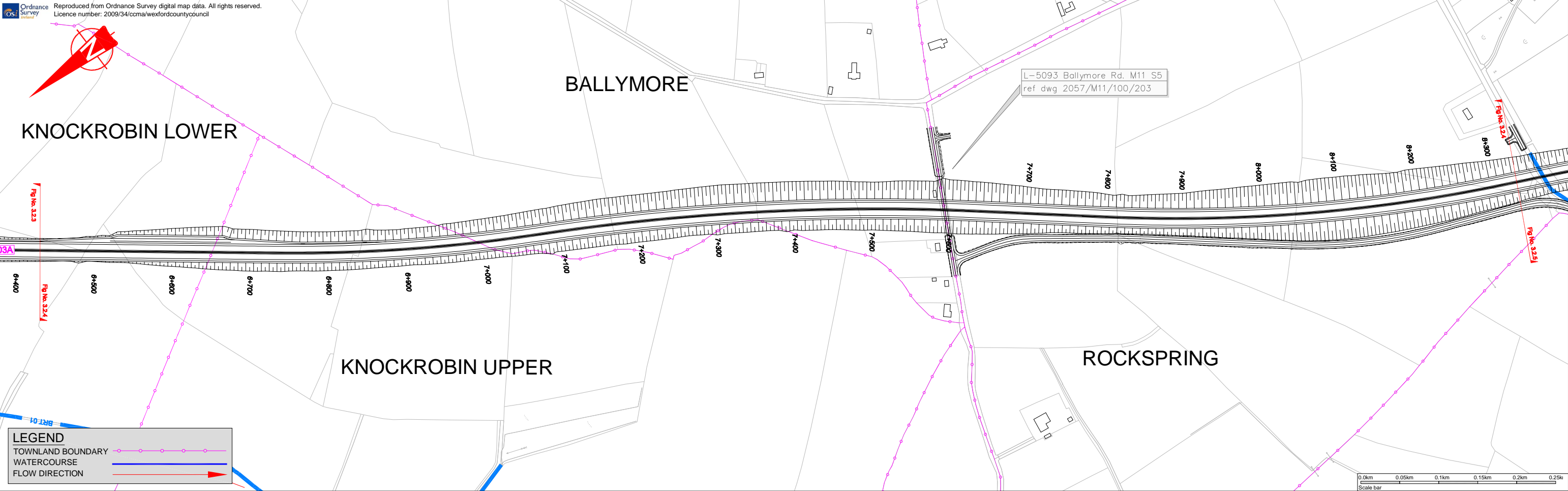
**Ryan Hanley WSP**

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Galway, Ireland  
Tel: +353 (0)91 587116 Fax: +353 (0)91 587102  
e-mail: rhwsp@ryanhaley.ie

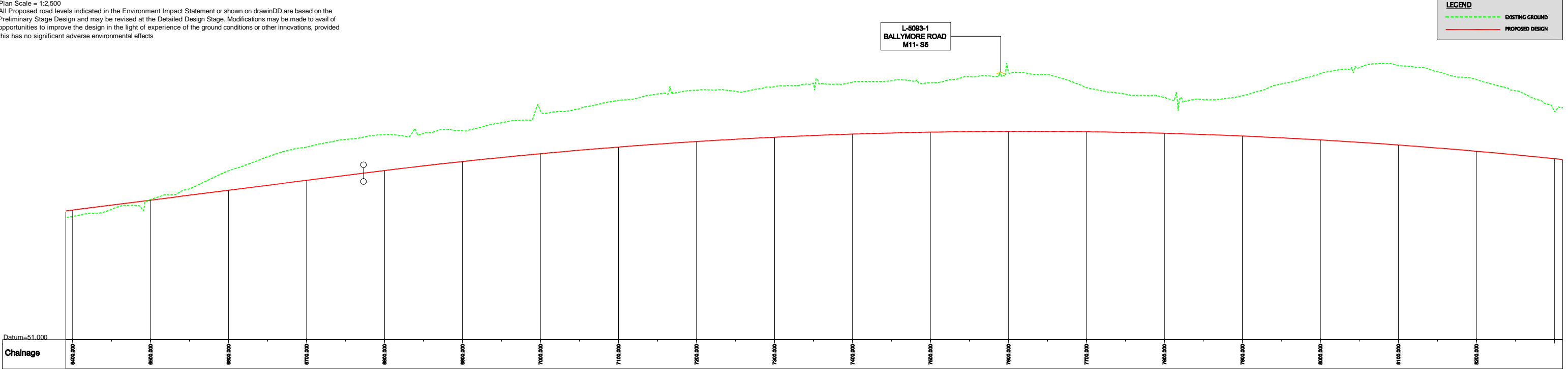
Rev	By	Date	Description
A	DD	220409	Updated Alignment

Project: M11 Gorey to Enniscorthy Scheme			
Component: EIS Report Plan & Profile			
Title: M11 Mainline - Ch. 4630m to 6430m - Sheet 3 of 15			
Designed: PC	Date: 06/01/09	File Name: Fig. 3.2.3	Drawing No: Fig. 3.2.3 Rev A
Drawn: RH	Date: 06/01/09	Original Scale: As Shown @ A1	
Checked: TD	Date: 06/01/09	Date: 06/01/09	





Plan Scale = 1:2,500  
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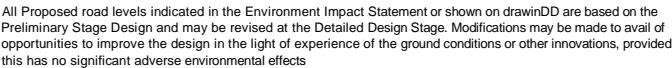
Rev	By	Date	Description
A	DD	220409	Updated Alignment

Project: M11 Gorey to Enniscorthy Scheme

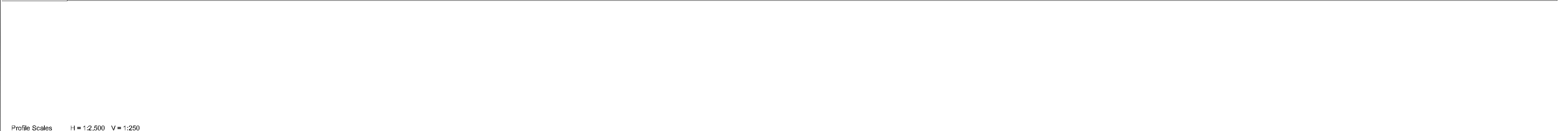
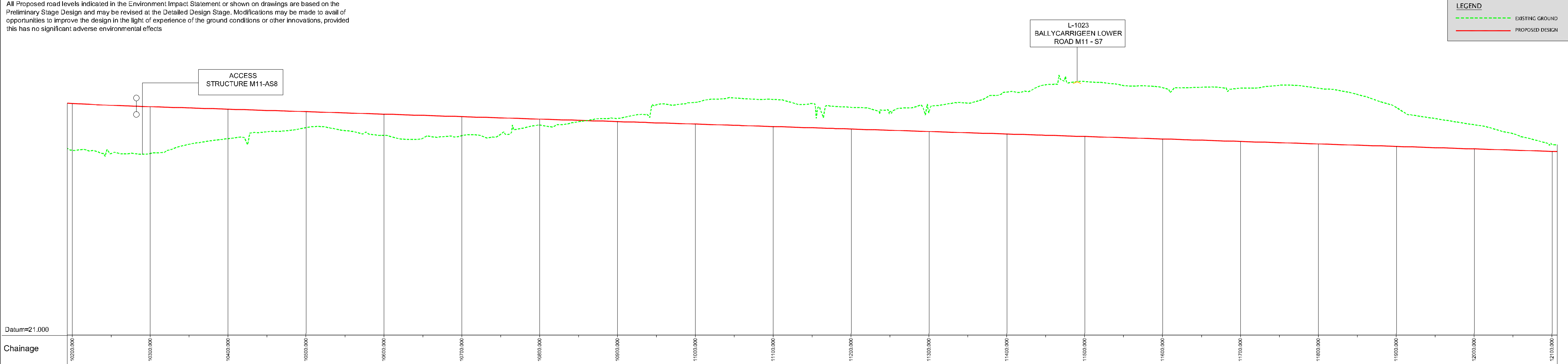
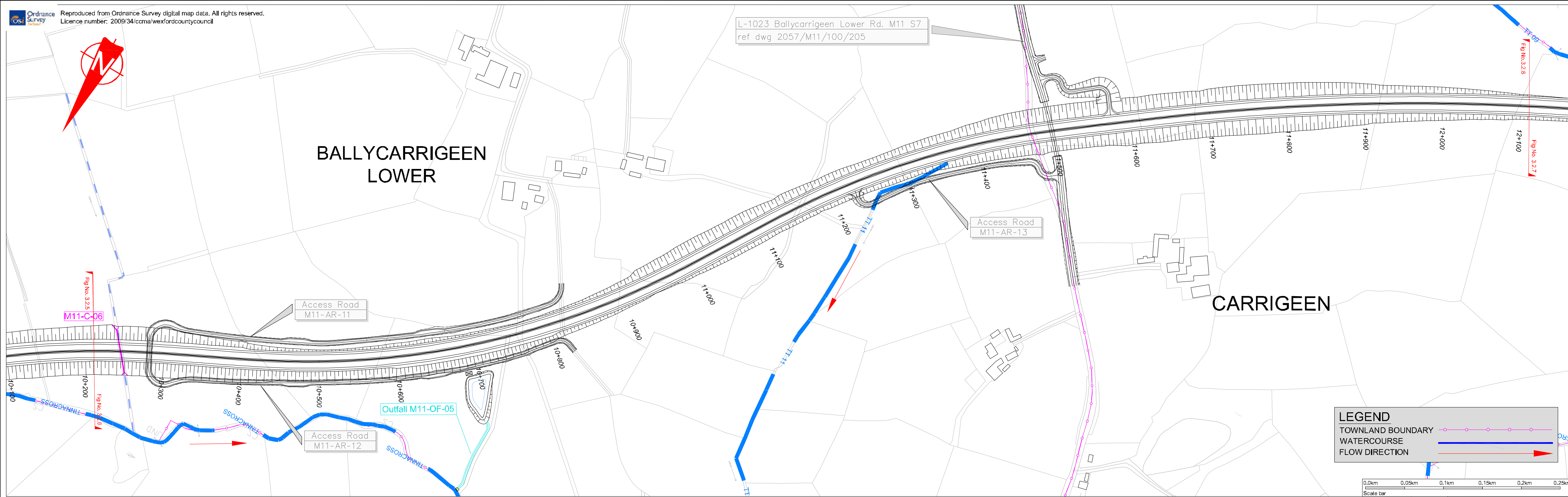
Component: EIS Report Plan & Profile

Title: M11 Mainline - Ch. 6430m to 8330m - Sheet 4 of 15

Designed: PC	Date: 06/01/09	File Name: Fig 3.2.3	Drawing No:
Drawn: RH	Date: 06/01/09	Original Scale: As Shown @ A1	Fig. 3.2.4 Rev A
Checked: TD	Date: 06/01/09	Date: 06/01/09	







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e-mail: rhwsp@ryanhaley.ie

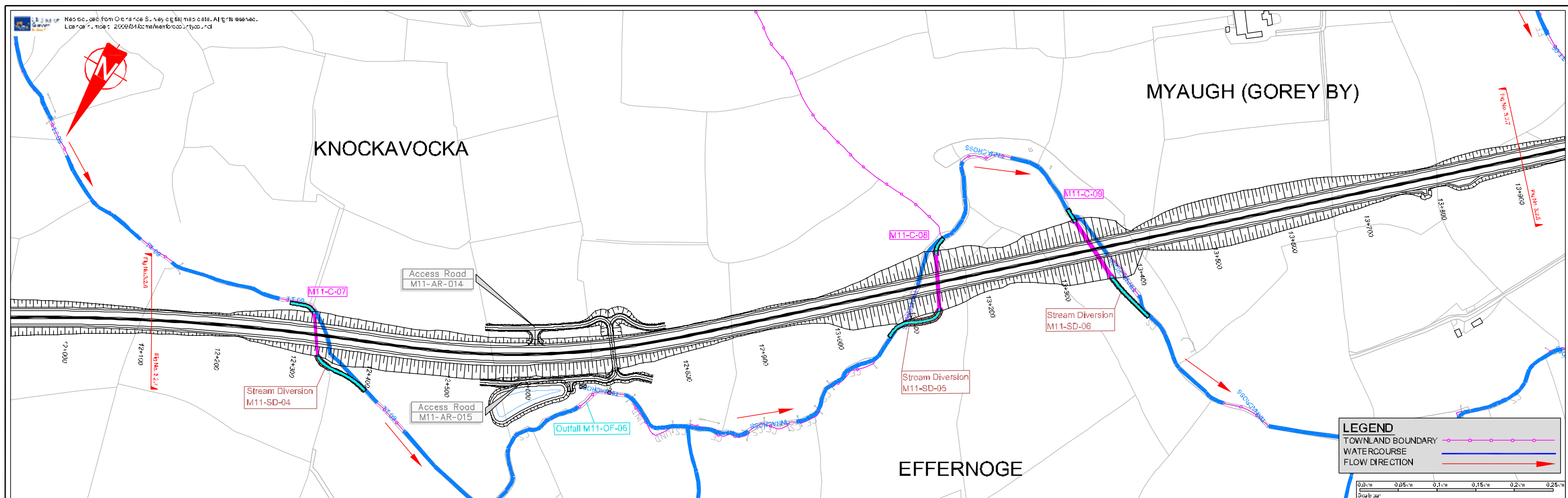
Rev	By	Date	Description
A	DD	220409	Updated Alignment

Project: **M11 Gorey to Enniscorthy Scheme**

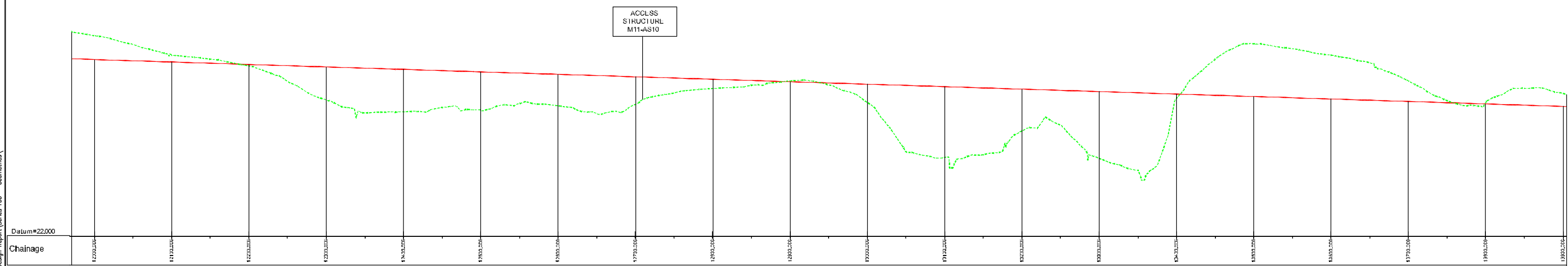
Component: **EIS Report Plan & Profile**

Title: **M11 Mainline - Ch. 10210m to 12110m - Sheet 6 of 15**

Designed: FC	Date: 05/01/09	File Name: Fig 3.2.6	Drawing No:
Drawn: FH	Date: 06/01/09	Original Scale: As Shown @ A1	Fig. 3.2.6
Checked: TD	Date: 06/01/09	Date: 06/01/09	



Plan Scale = 1:2,500  
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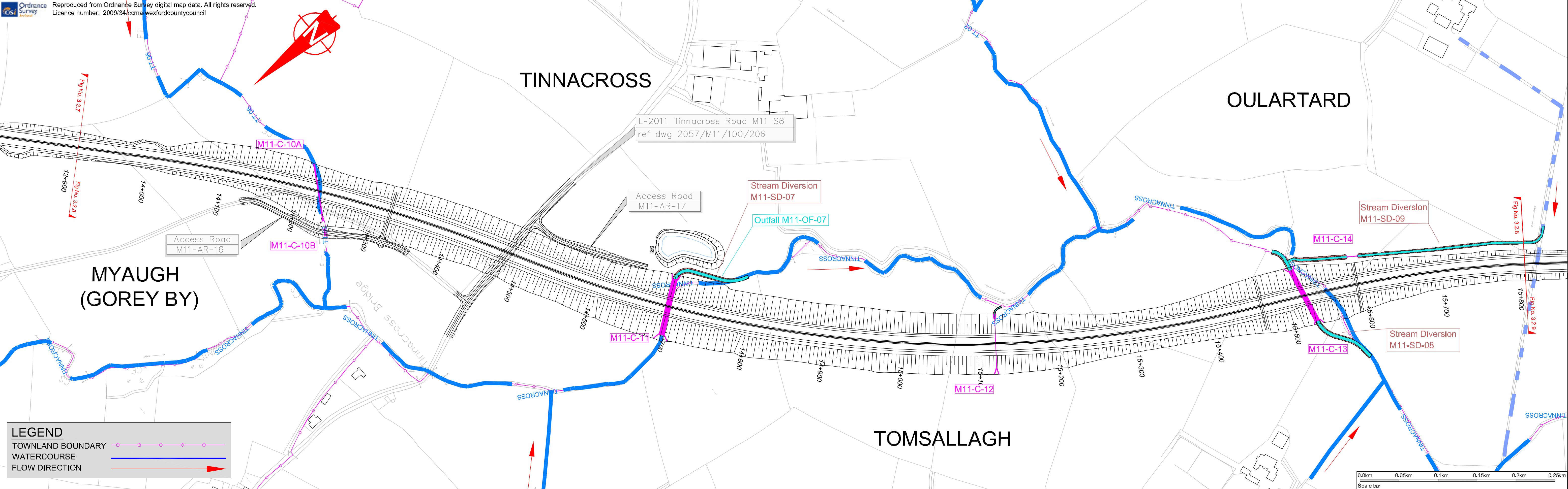
**Ryan Hanley WSP**  
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e-mail: rhwsp@ryanhaley.ie

Rev	By	Date	Description
A	JD	22/01/08	Located Alignment

Project				
M11 Gorey to Enniscorthy Scheme				
Component				
EIS Report Plan & Profile				
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Author: AC	Drawn: CG C103	Reviewed: Hg, 3.2.7	Drawing No.	
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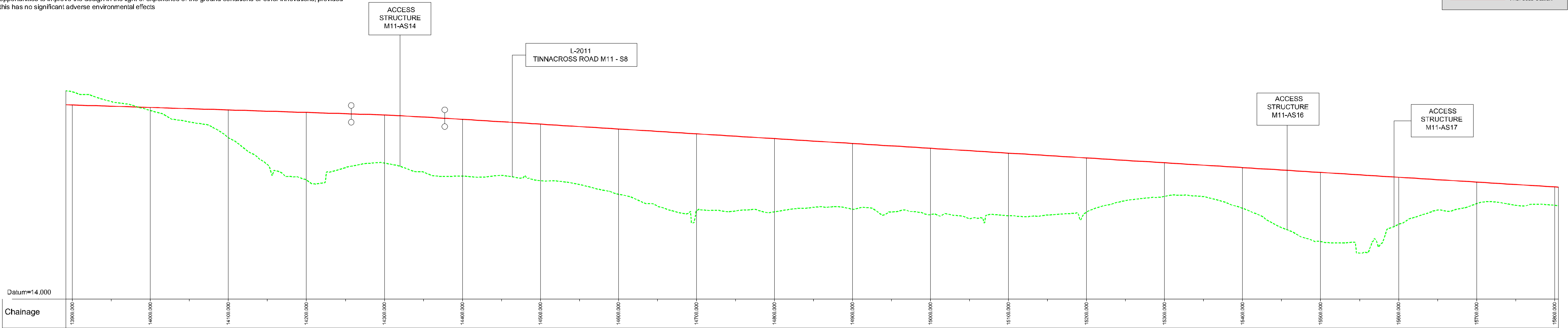
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LEGEND  
--- EXISTING GROUND  
--- PROPOSED DESIGN



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Rev	By	Date	Description
A	DD	220409	Updated Alignment

Project: **M11 Gorey to Enniscorthy Scheme**

Component: **EIS Report Plan & Profile**

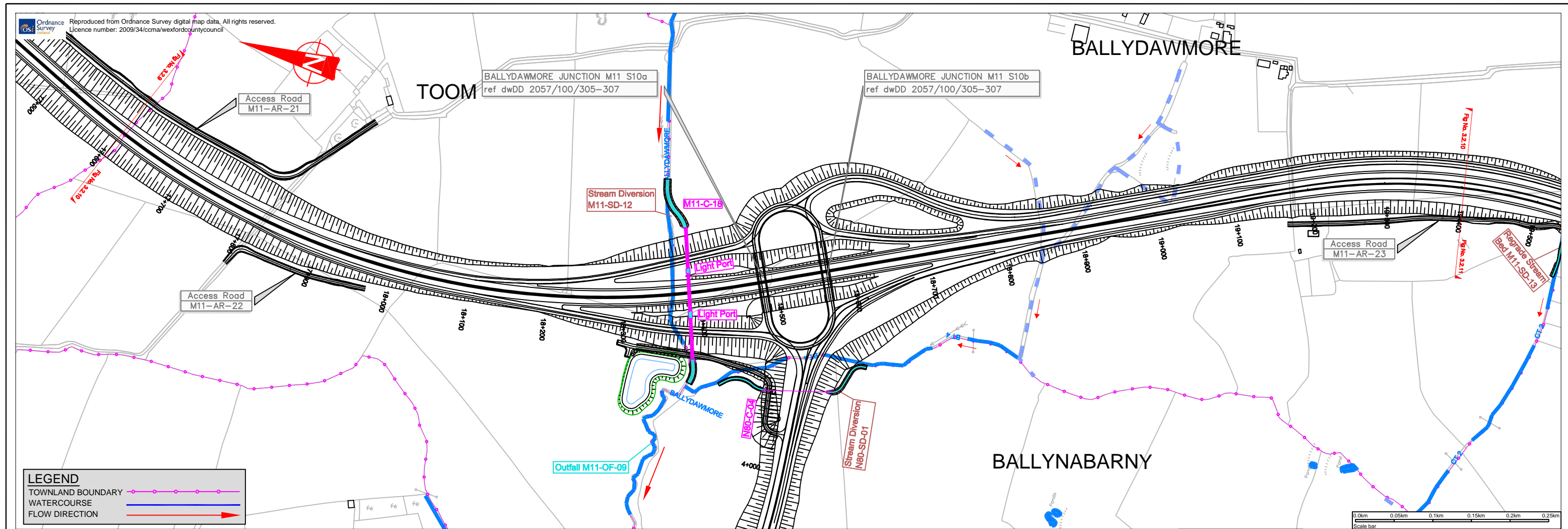
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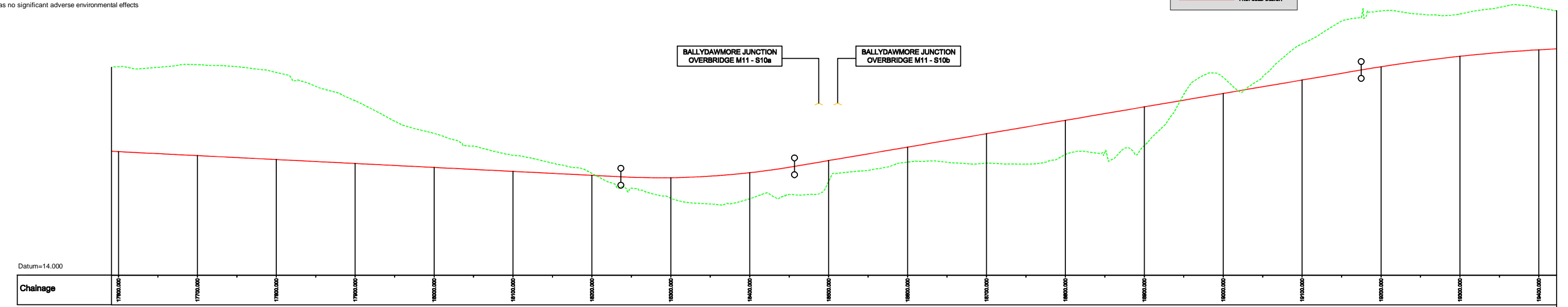




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Plan Scale = 1:2,500  
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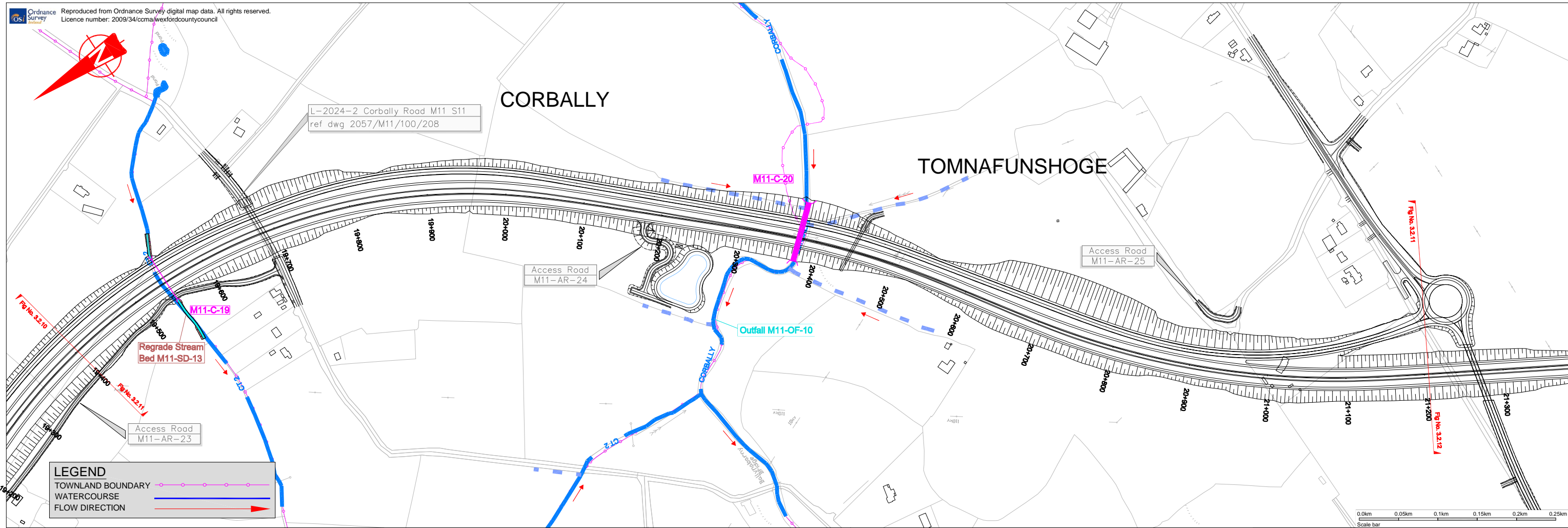
**Ryan Hanley WSP**

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e-mail: rhwsp@ryanhaley.ie

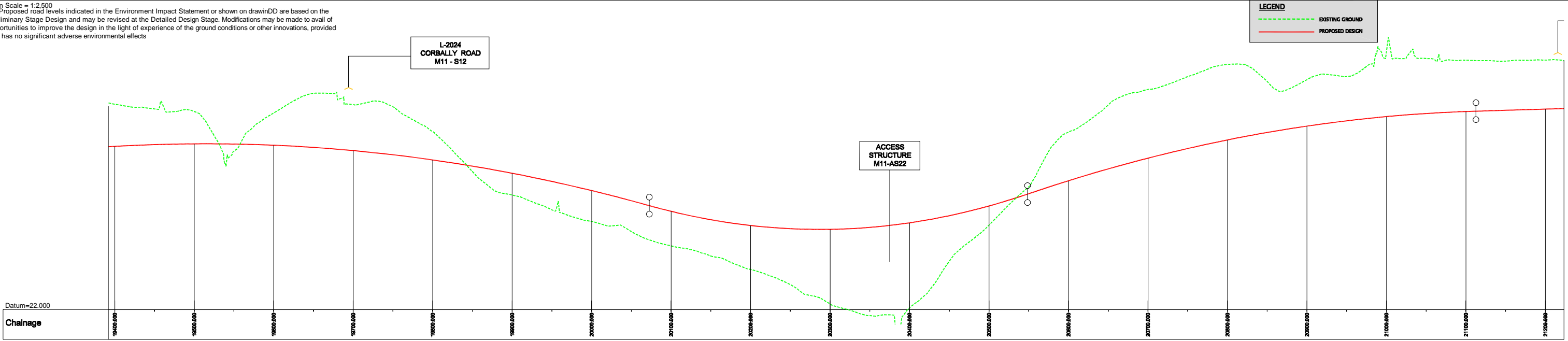
Rev	By	Date	Description
A	DD	220409	Updated Alignment

Project: M11 Gorey to Enniscorthy Scheme			
Component: EIS Report Plan & Profile			
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Designed: JmCh	Date: 06/01/09	File Name: Fig. 3.2.10	Drawing No:
Drawn: RH	Date: 06/01/09	Original Scale: As Shown @ A1	Fig. 3.2.10 Rev A
Checked: TD	Date: 06/01/09	Date: 06/01/09	





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Profile Scales H = 1:2,500 V = 1:250

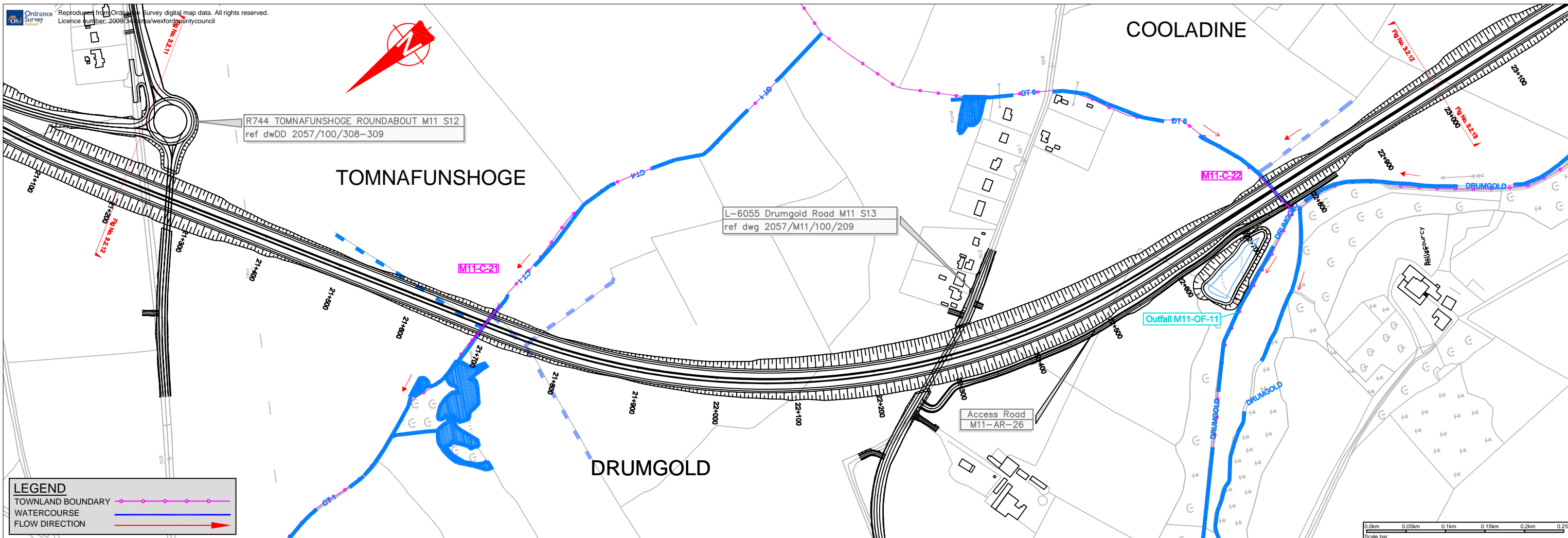


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e-mail: rhwsp@ryanhaley.ie

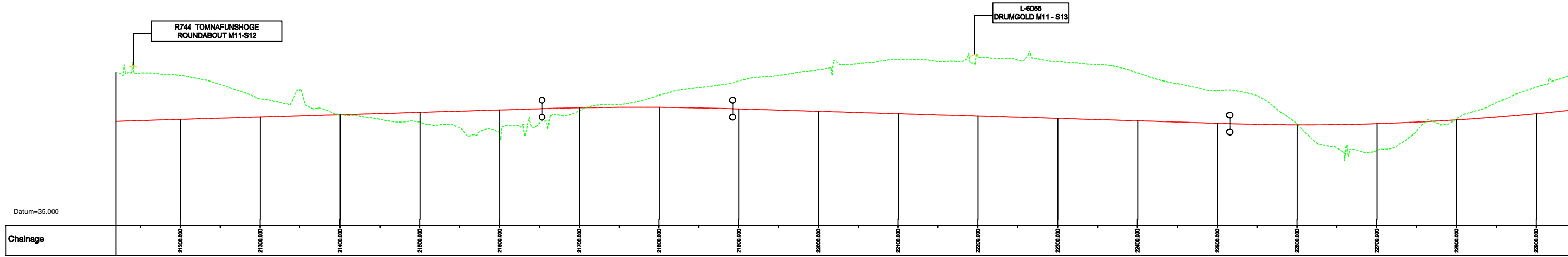
Rev	By	Date	Description
A	DD	220409	Updated Alignment

Project: M11 Gorey to Enniscorthy Scheme			
Component: EIS Report Plan & Profile			
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Designed: JMCH	Date: 06/01/09	File Name: Fig. 3.2.11	Drawing No: Fig. 3.2.11 Rev A
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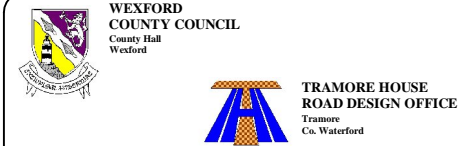
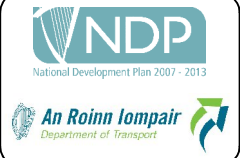




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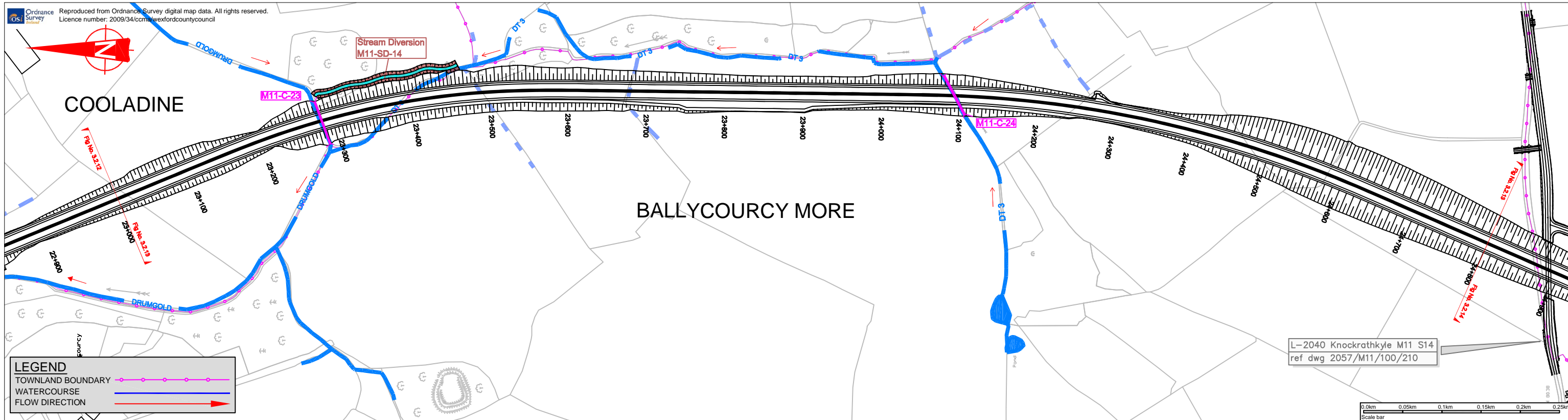
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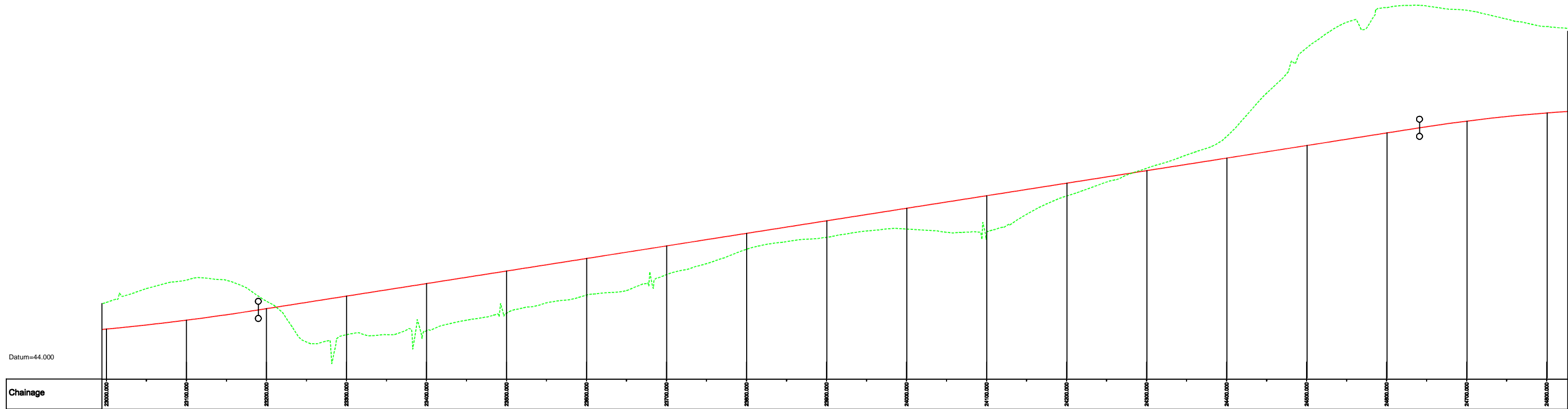
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A	DD	220409	Updated Alignment

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Component: EIS Report Plan & Profile			
Title: M11 Mainline - Ch. 21200m to 23000m - Sheet 12 of 15			
Designed: JMC	Date: 06/01/09	File Name: Fig. 3.2.12	Drawing No:
Drawn: RH	Date: 06/01/09	Original Scale: As Shown @ A1	Fig. 3.2.12 Rev A
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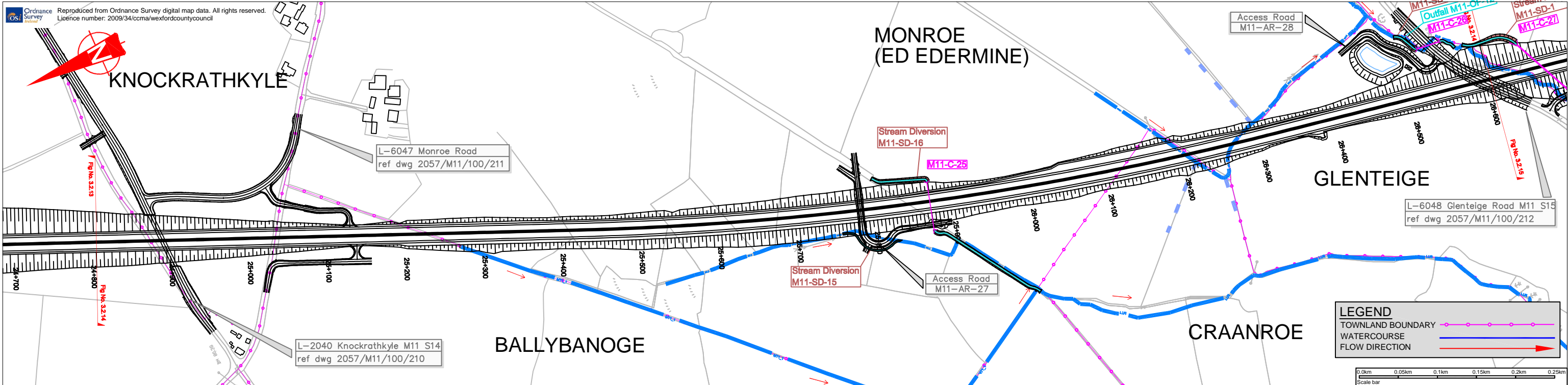
**TRAMORE HOUSE**  
ROAD DESIGN OFFICE  
Tramore  
Co. Waterford

**Ryan Hanley WSP**

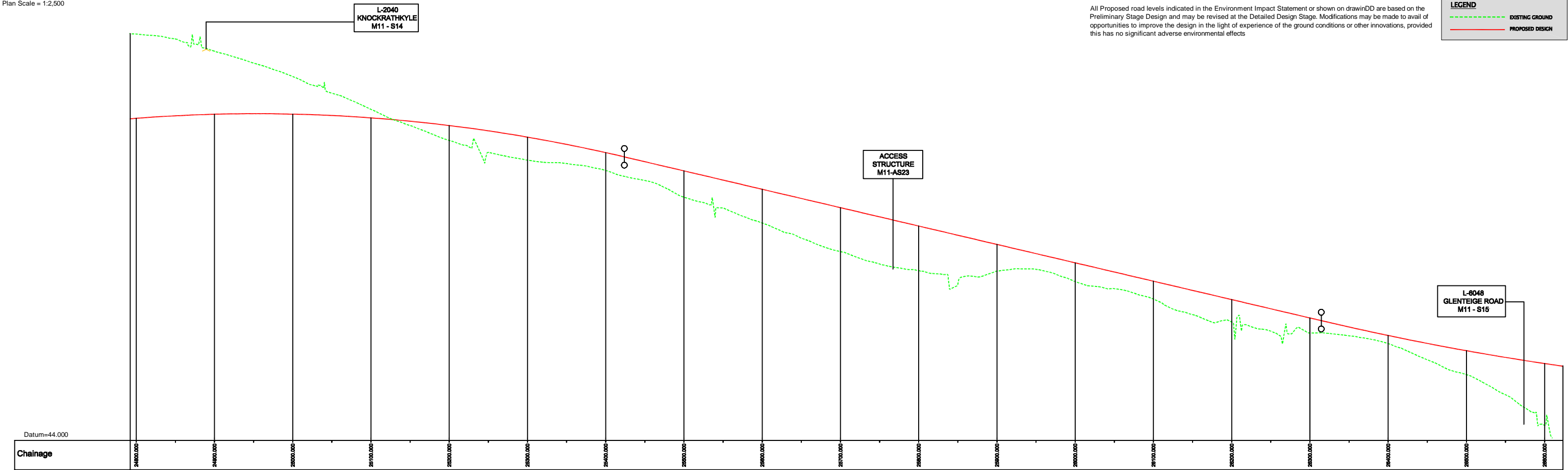
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Galway, Ireland  
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e-mail: rhwsp@ryanhaley.ie

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A	DD	220409	Updated Alignment

Project: M11 Gorey to Enniscorthy Scheme			
Component: EIS Report Plan & Profile			
Title: M11 Mainline - Ch. 23000m to 24800m - Sheet 13 of 15			
Designed: JMcH	Date: 06/01/09	File Name: Fig. 3.2.13	Drawing No: Fig. 3.2.13 Rev A
Drawn: RH	Date: 06/01/09	Original Scale: As Shown @ A1	
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A	DD	220409	Updated Alignment

Project: M11 Gorey to Enniscorthy Scheme

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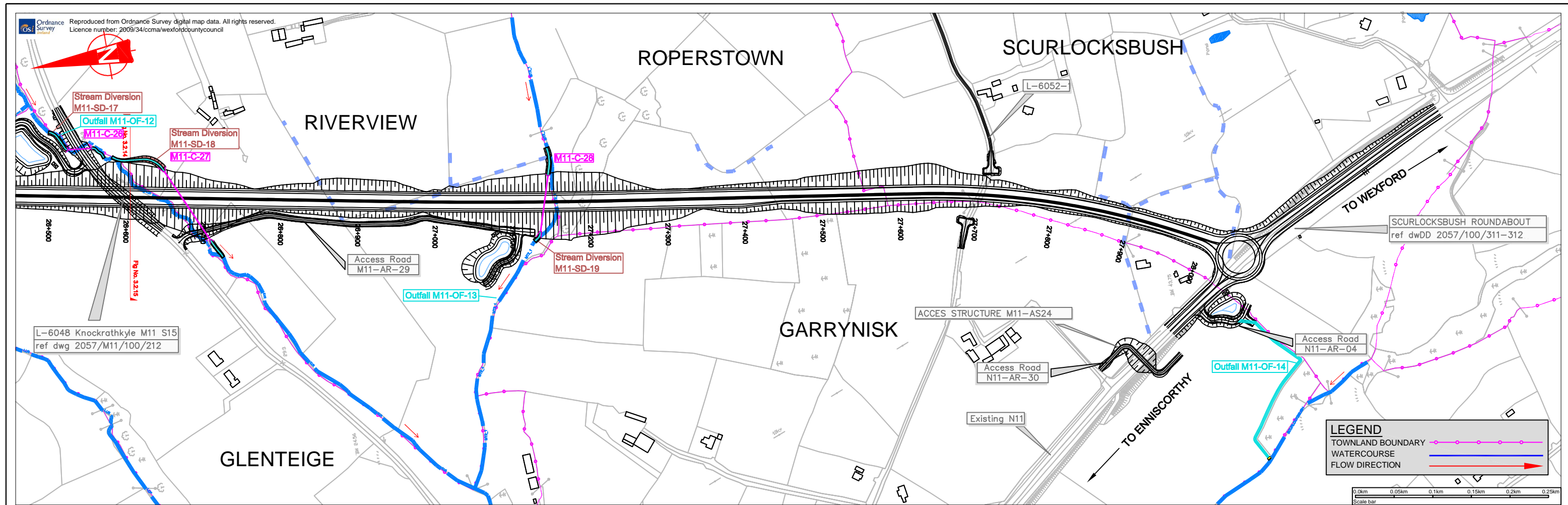
Title: M11 Mainline - Ch. 24800m to 26600m - Sheet 14 of 15

Designed: JMcH	Date: 06/01/09	File Name: Fig. 3.2.14	Drawing No:
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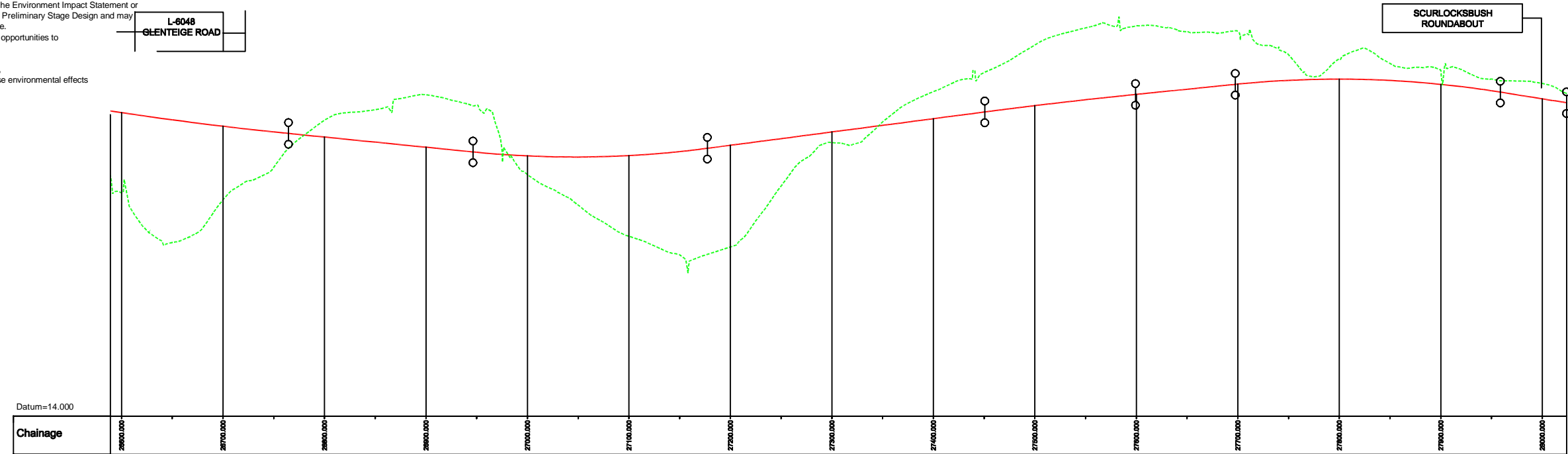


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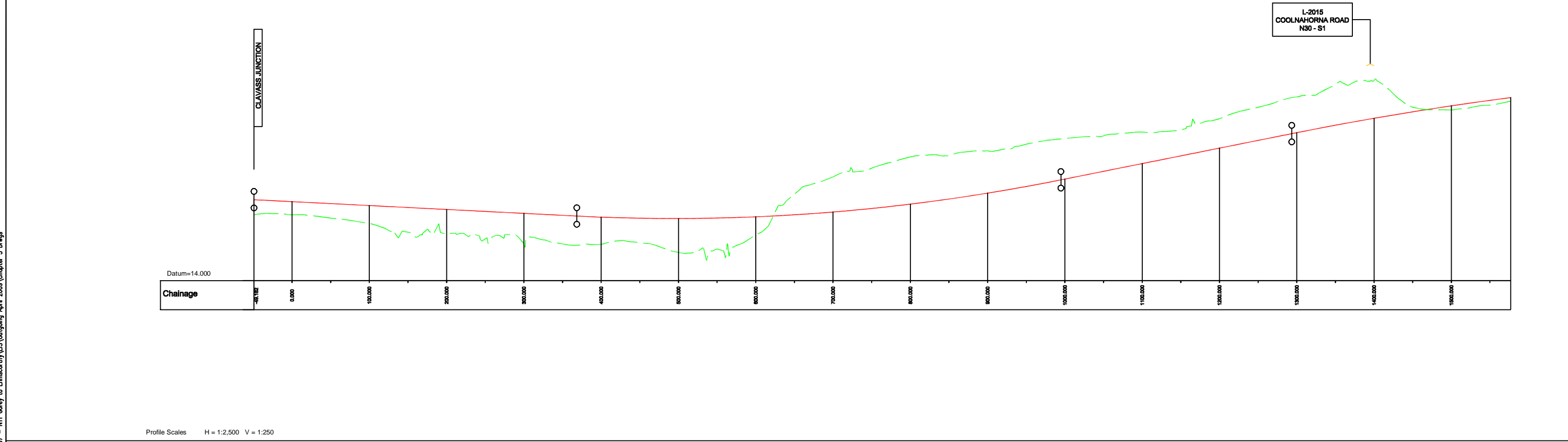
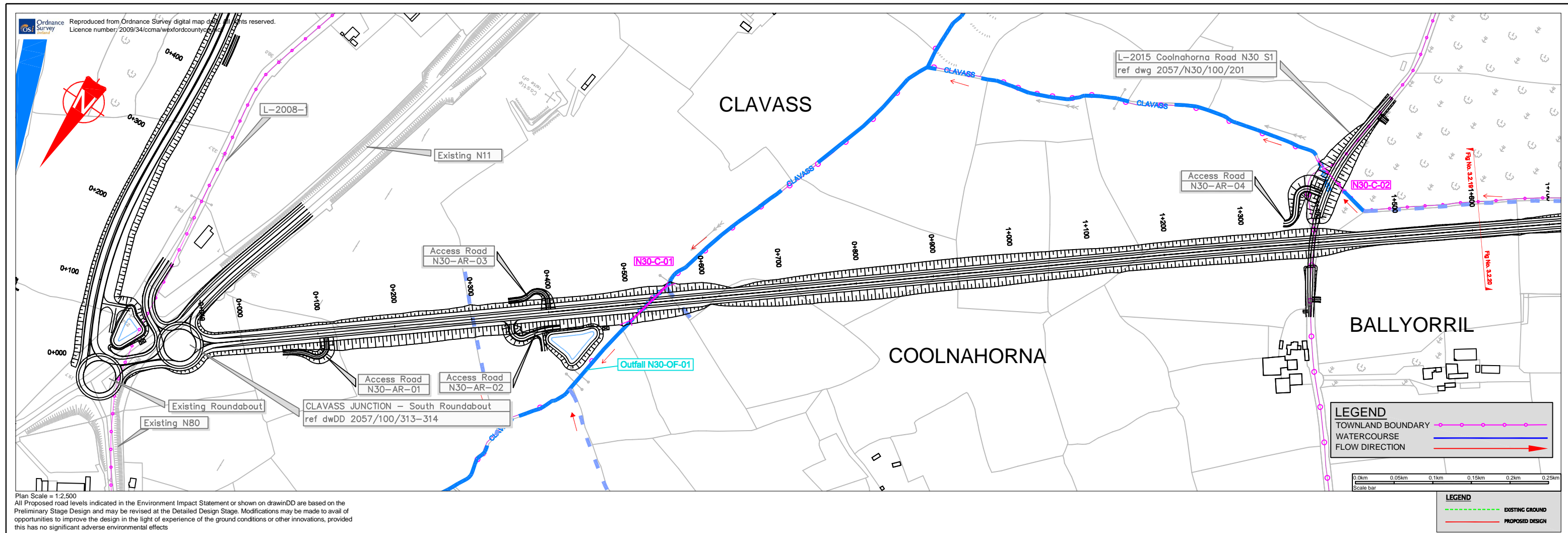
L-6048  
GLENTEIGE ROAD



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Rev	By	Date	Description																																																			
A	DD	220409	Updated Alignment																																																			
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A	DD	220409	Updated Alignment

Project: M11 Gorey to Enniscorthy Scheme

Component: EIS Report Plan & Profile

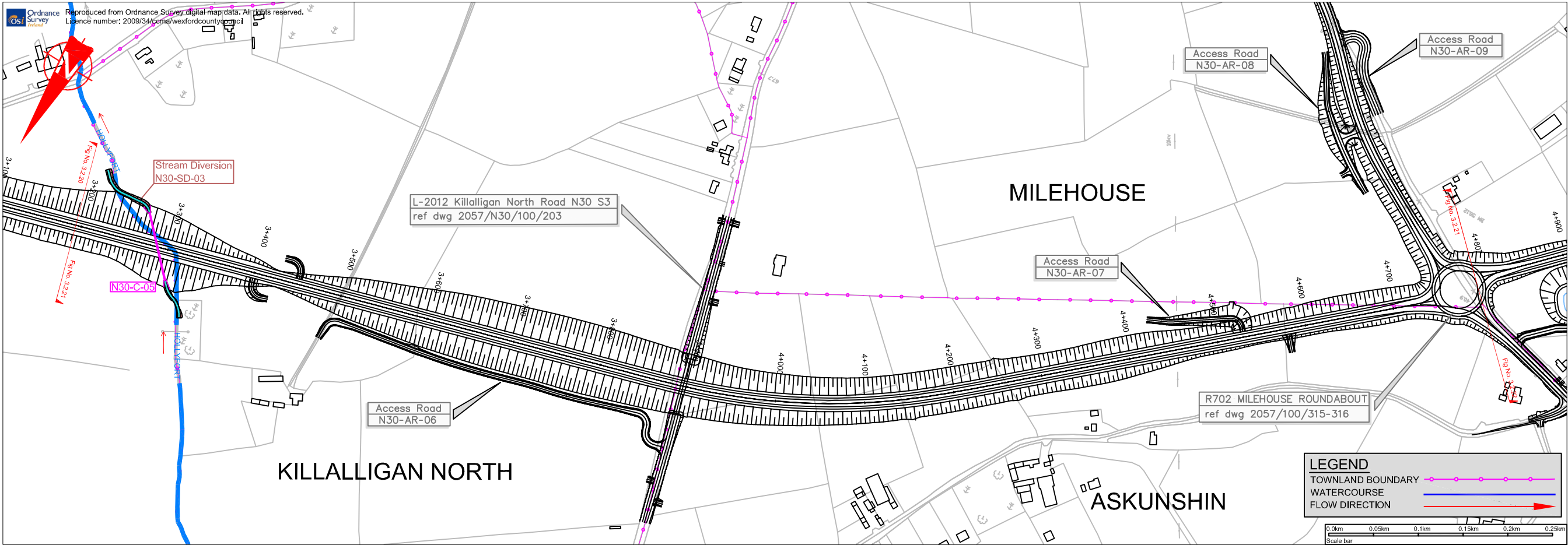
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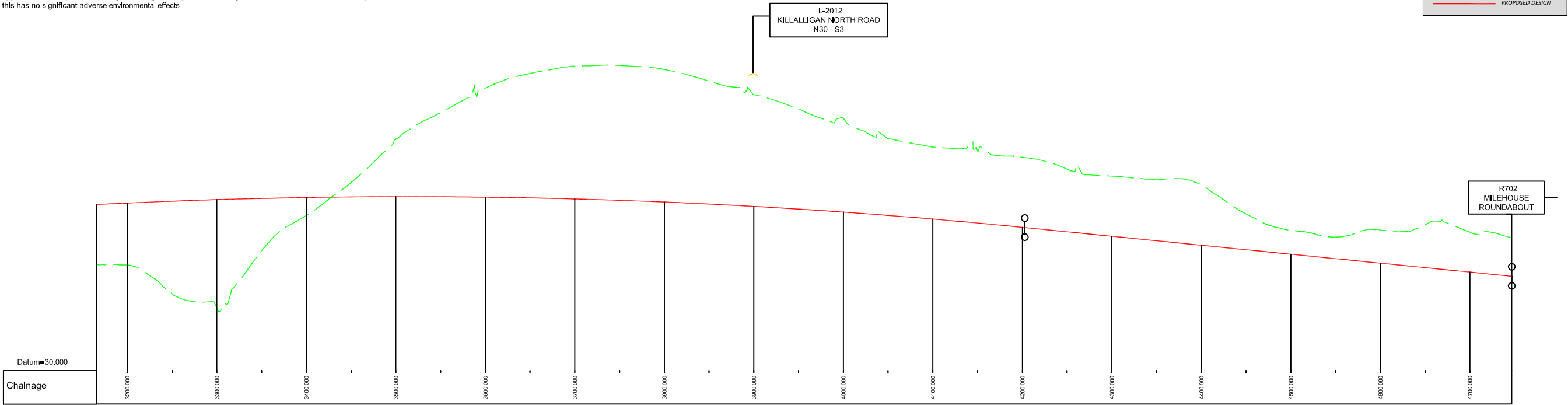




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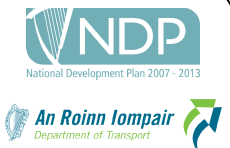


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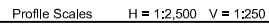
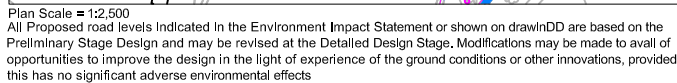
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Co. Waterford

**Ryan Hanley WSP**

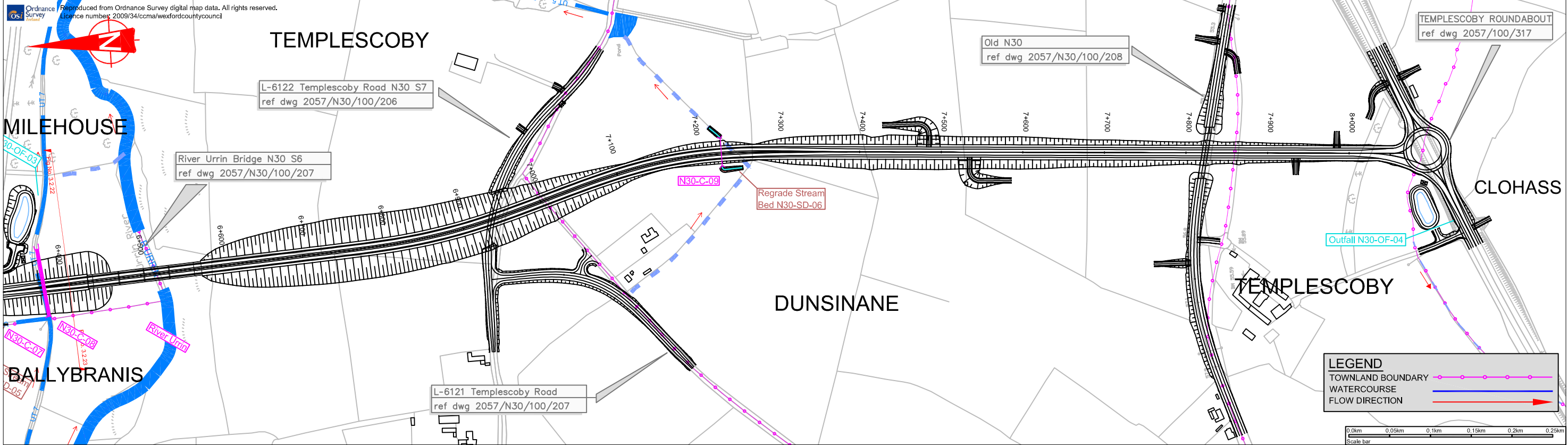
Sherwood House, Sherwood Avenue, Taylor's Hill  
Galway, Ireland  
Tel: +353 (0)91 587116 Fax: +353 (0)91 587102  
e-mail: rhwsp@ryanhaley.ie

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A	DD	220409	Updated Alignment

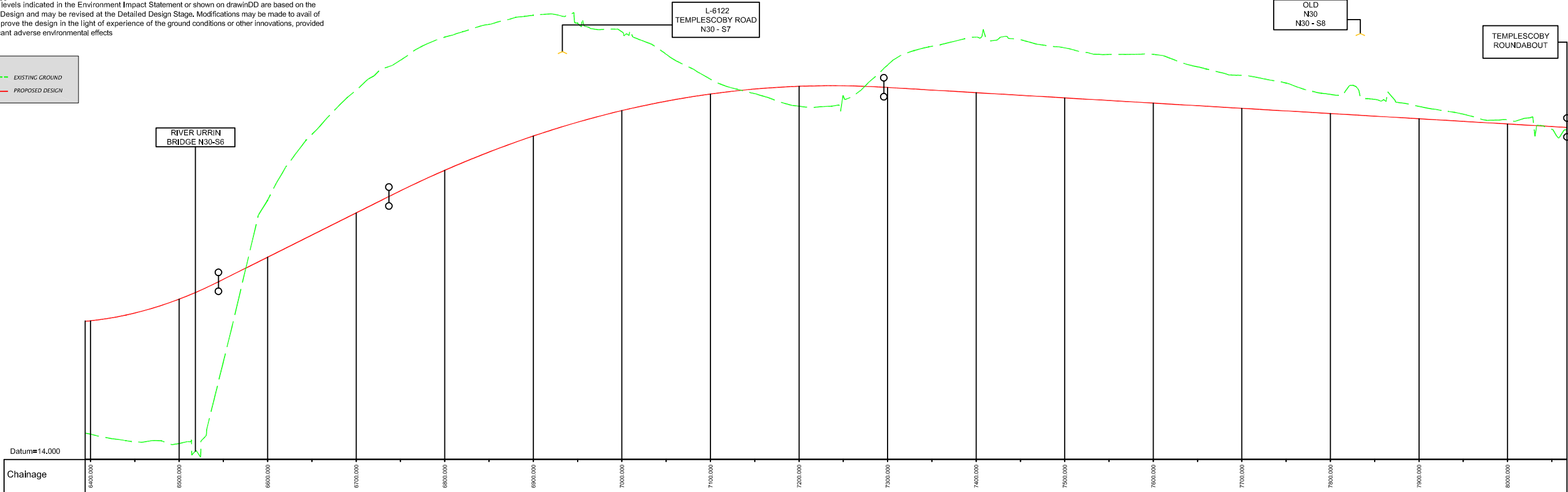
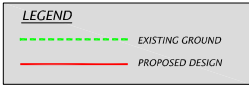
Project: <b>M11 Gorey to Enniscorthy Scheme</b>			
Component: <b>EIS Report Plan &amp; Profile</b>			
Title: <b>N30 Mainline - Ch. 3195m to 4800m - Sheet 3 of 5</b>			
Designed: JMcH	Date: 06/01/09	File Name: Fig. 3.2.21	Drawing No:
Drawn: RH	Date: 06/01/09	Original Scale: As Shown @ A1	Fig. 3.2.18 Rev A
Checked: TD	Date: 06/01/09	Date: 06/01/09	







Plan Scale = 1:2,500  
All Proposed road levels indicated in the Environment Impact Statement or shown on drawinDD are based on the Preliminary Stage Design and may be revised at the Detailed Design Stage. Modifications may be made to avail of opportunities to improve the design in the light of experience of the ground conditions or other innovations, provided this has no significant adverse environmental effects



Profile Scales H = 1:2,500 V = 1:250

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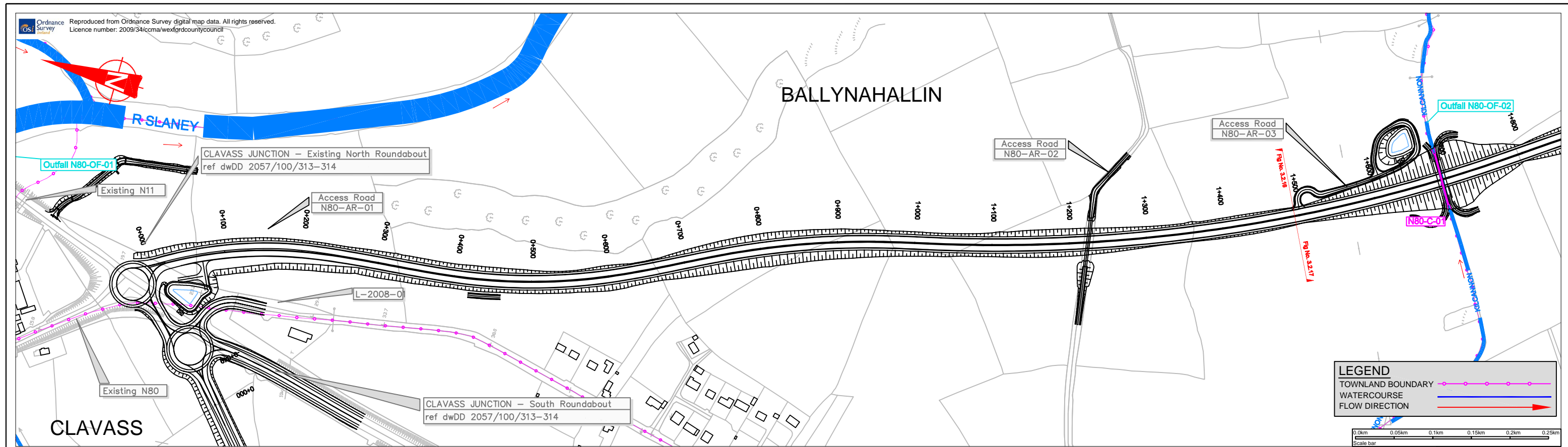
Ryan Hanley WSP

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Galway, Ireland  
Tel: +353 (0)91 587116 Fax: +353 (0)91 587102  
e-mail: rhwsp@ryanhaley.ie

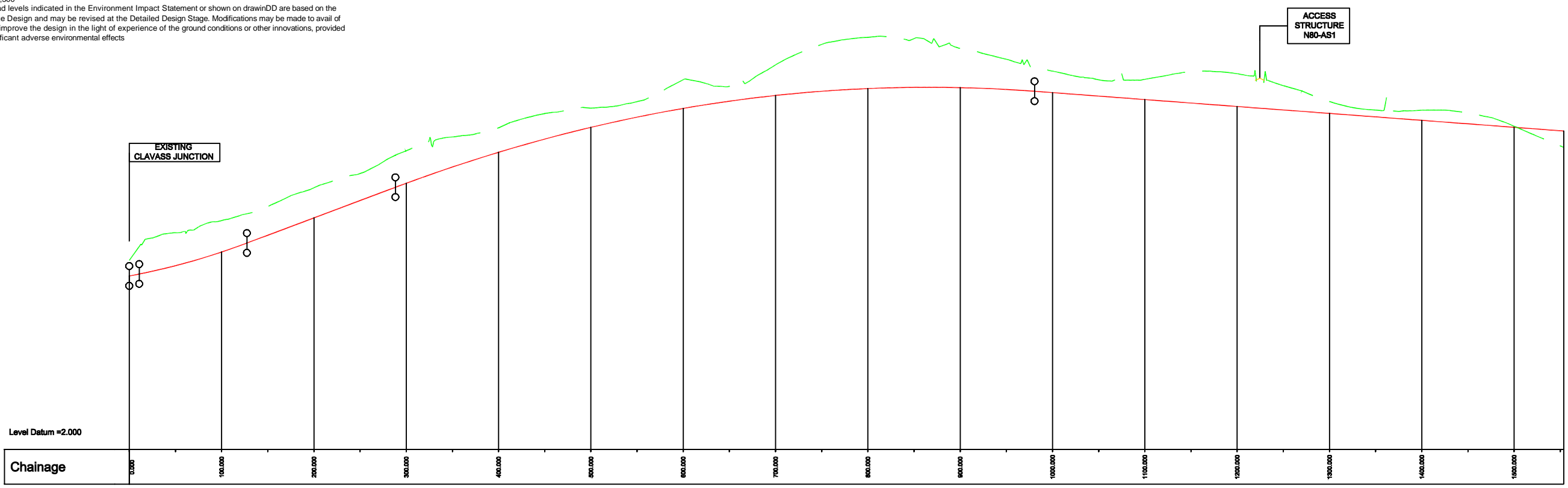
Rev	By	Date	Description
A	DD	220409	Updated Alignment

Project: M11 Gorey to Enniscorthy Scheme			
Component: EIS Report Plan & Profile			
Title: N30 Mainline - Ch. 4800m to End - Sheet 5 of 5			
Designed: JMcH	Date: 06/01/09	File Name: Fig. 3.2.23	Drawing No: Fig. 3.2.20 Rev A
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Plan Scale = 1:2,500  
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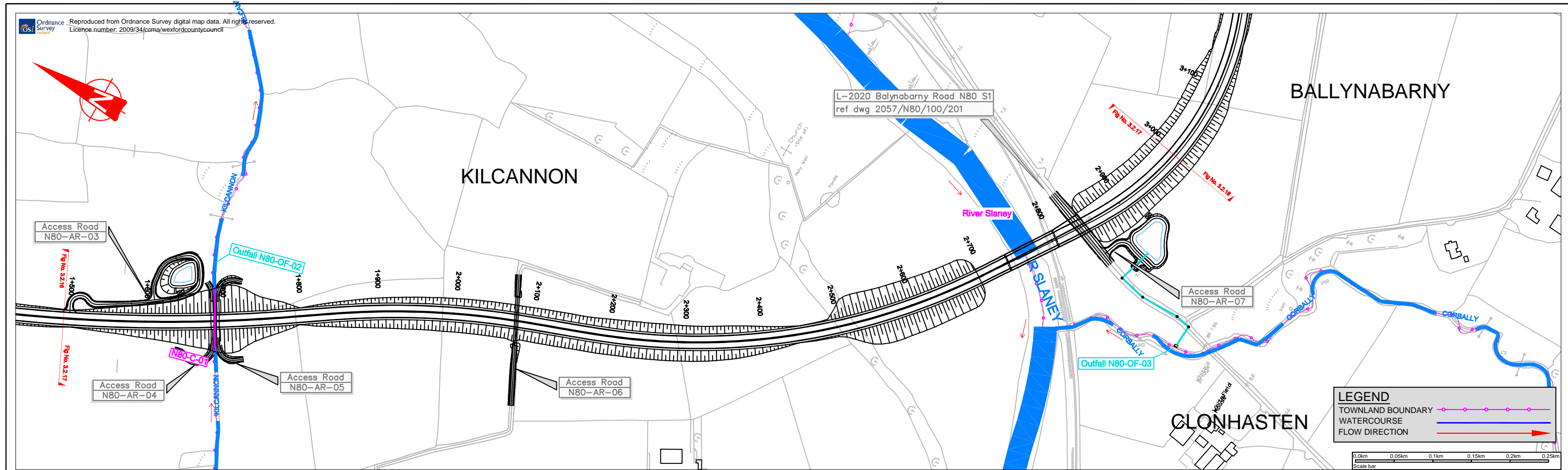
Rev	By	Date	Description
A	DD	220409	Updated Alignment

Project: M11 Gorey to Enniscorthy Scheme

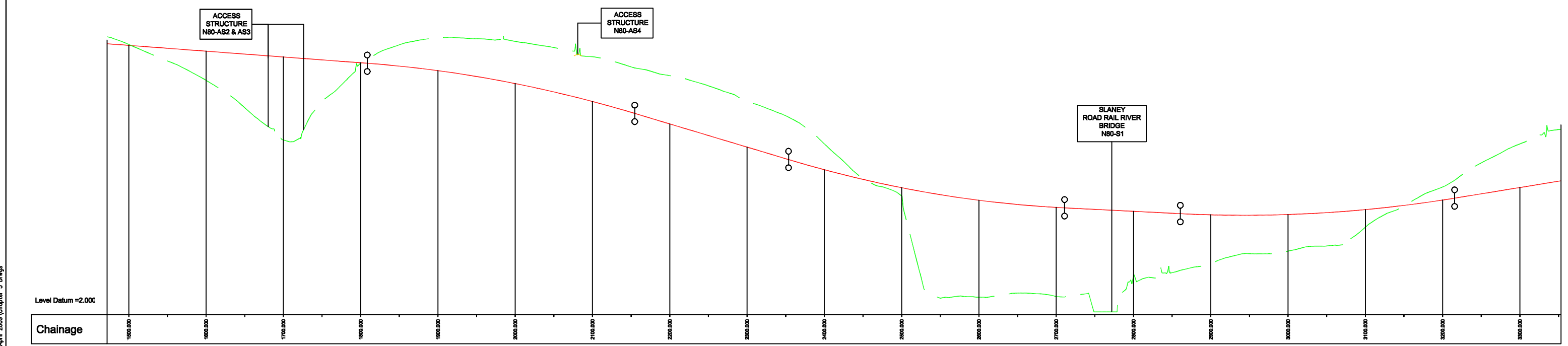
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Title: N80 Link Road - Start to Ch. 1495m - Sheet 1 of 3

Designed: JMcH	Date: 06/01/09	File Name: Fig. 3.2.16	Drawing No:
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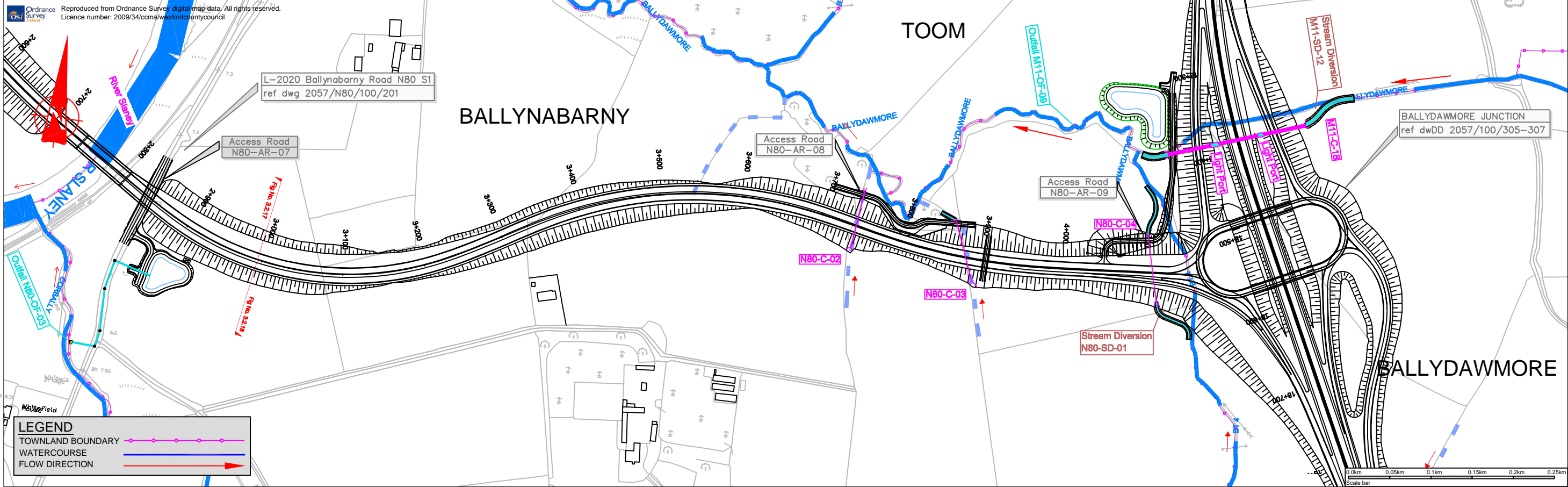
Ryan Hanley WSP

Rev	By	Date	Description
A	DD	220409	Updated Alignment

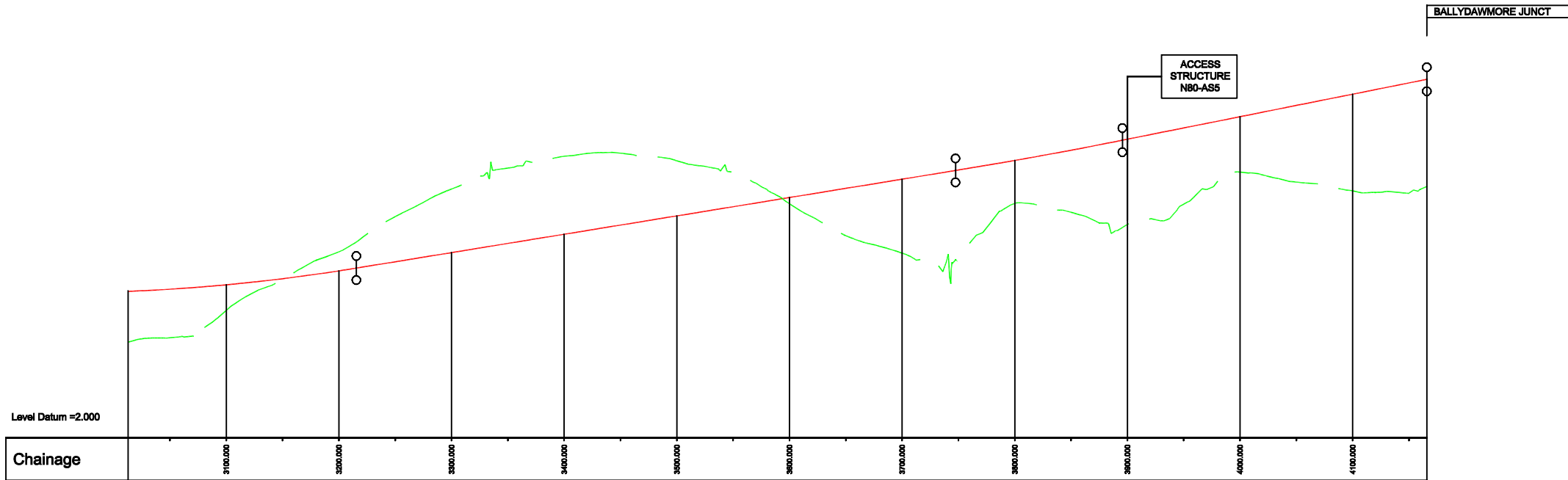
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Component: EIS Report Plan & Profile			
Title: N80 Link Road - Ch. 1495m to 2990m - Sheet 2 of 3			
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Plan Scale = 1:2,500  
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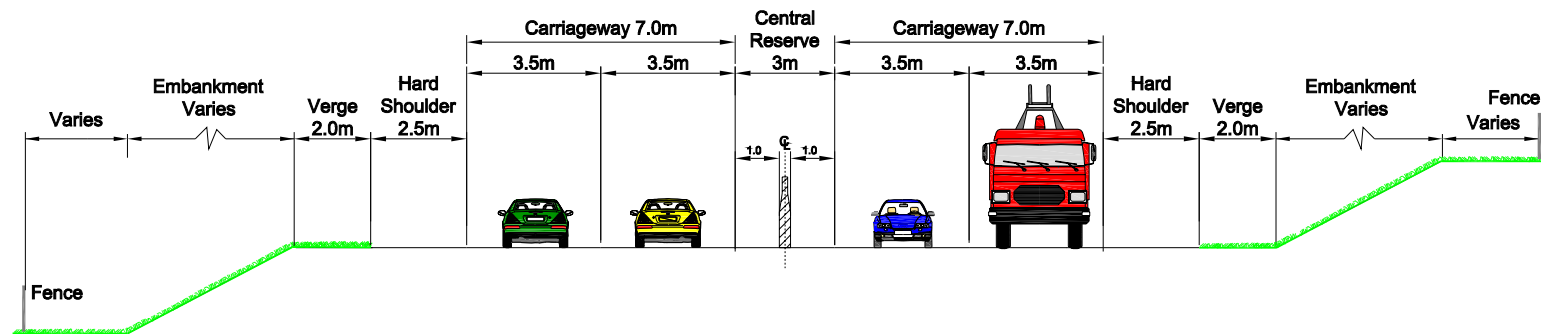
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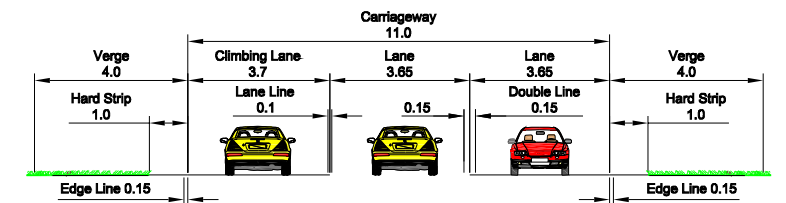
Sherwood House, Sherwood Avenue, Taylor's Hill  
Galway, Ireland  
Tel: +353 (0)91 587116 Fax: +353 (0)91 587102  
e-mail: rhwsp@ryanhaley.ie

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A	DD	220409	Updated Alignment

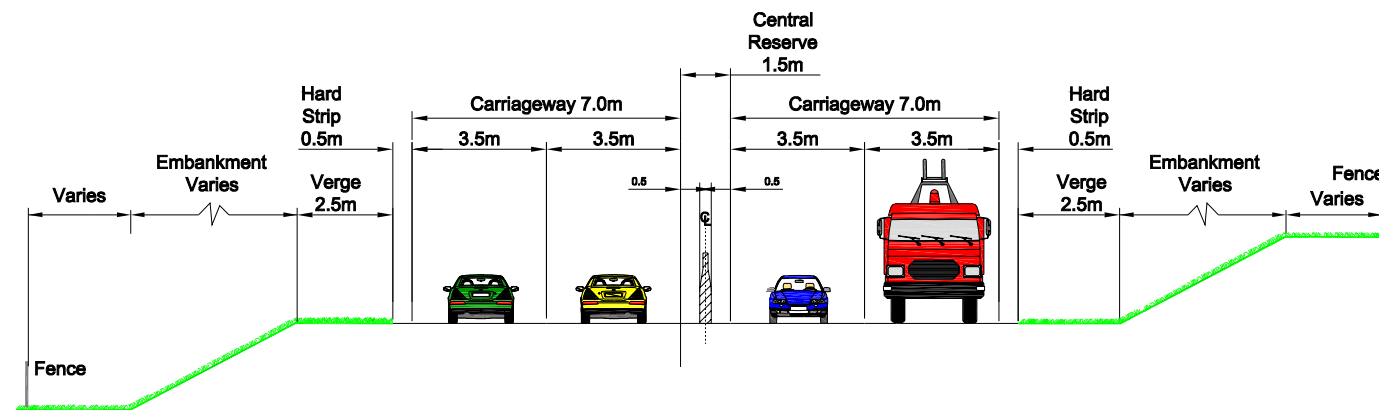
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Component: EIS Report Plan & Profile			
Title: N80 Link Road - Ch. 2990m to End - Sheet 3 of 3			
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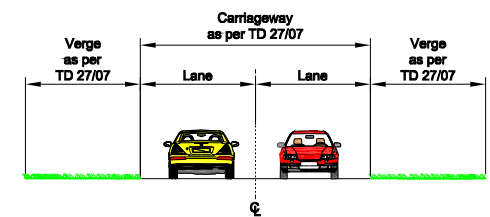
**Motorway (D2M)**



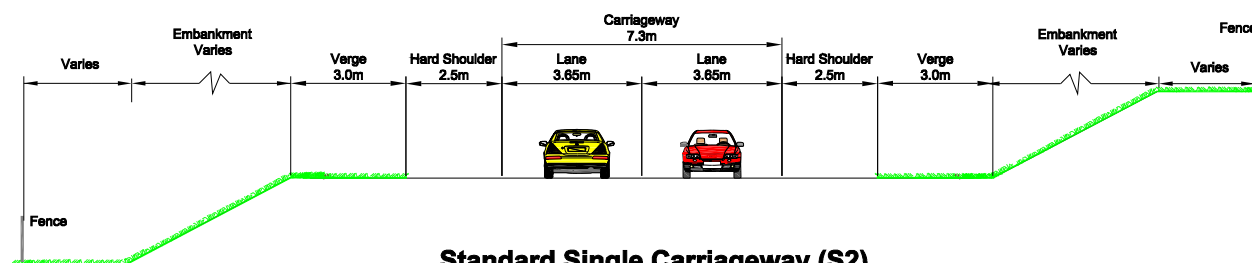
**Climbing Lane Section on Standard S2**



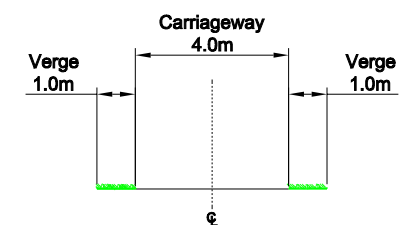
**TYPE 2 DUAL CARRIAGEWAY (D2AP)**



**Side Road**



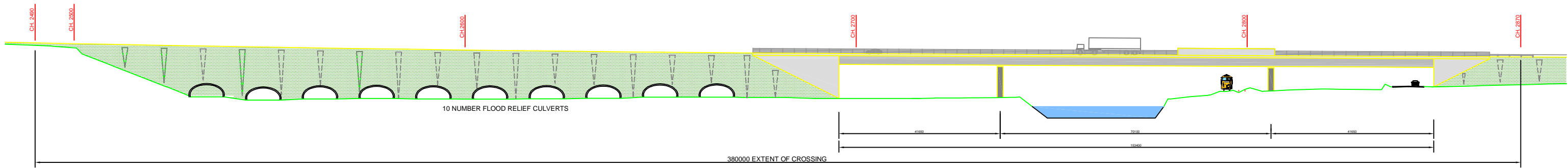
**Standard Single Carriageway (S2)**



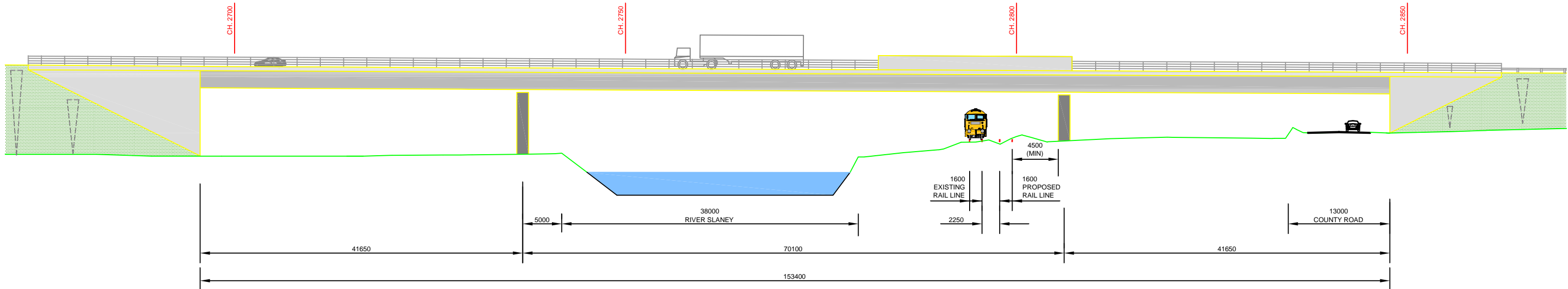
**Access Road**

Rev	By	Date	Description

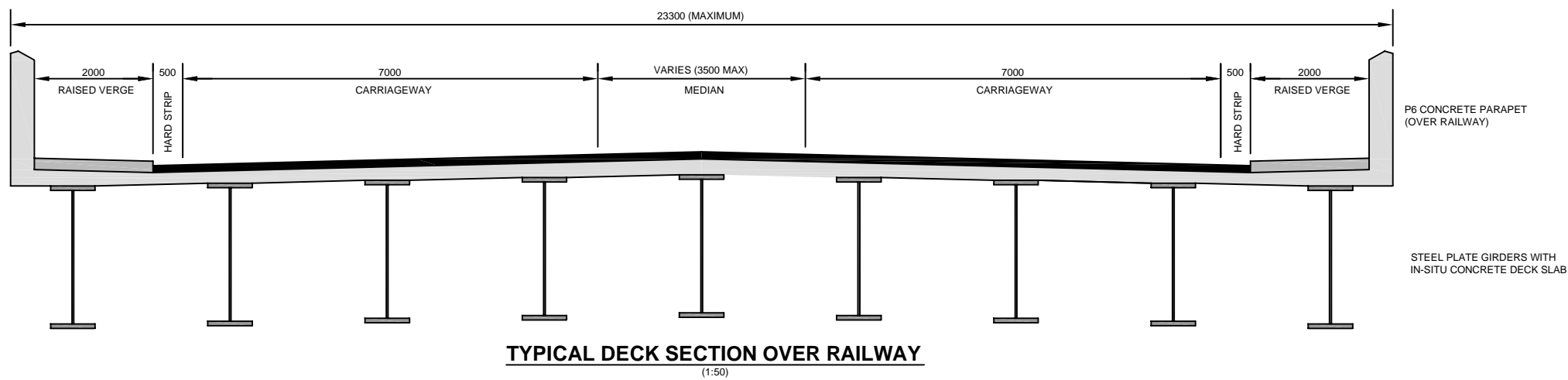
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Component:	Environmental Impact Statement			
Title:	Typical Cross Sections			
Designed: P.C./T.D.	Date: Jan 09	File Name:	Fig 3.3	Drawing No: <b>Fig 3.3</b>
Drawn: GS	Date: Jan 09	Original Scale:	N.T.S.	
Checked: T.D./P.G.	Date: Jan 09	Date:	Jan 09	



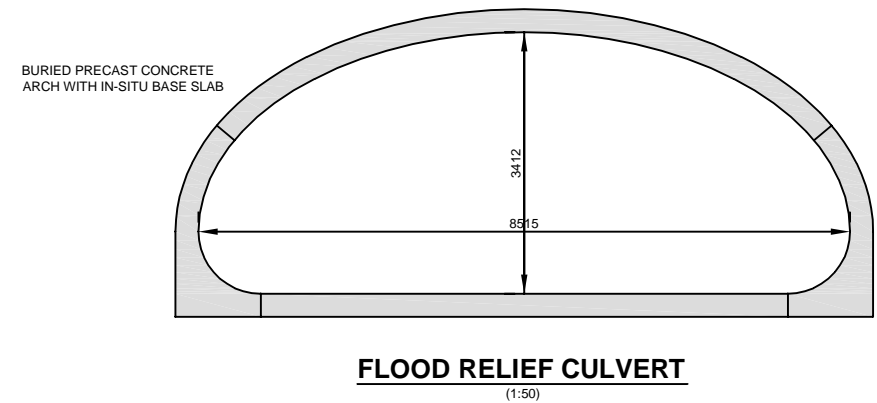
**SOUTH ELEVATION**  
(1:500)



**SOUTH ELEVATION AT RIVER**  
(1:250)



**TYPICAL DECK SECTION OVER RAILWAY**  
(1:50)

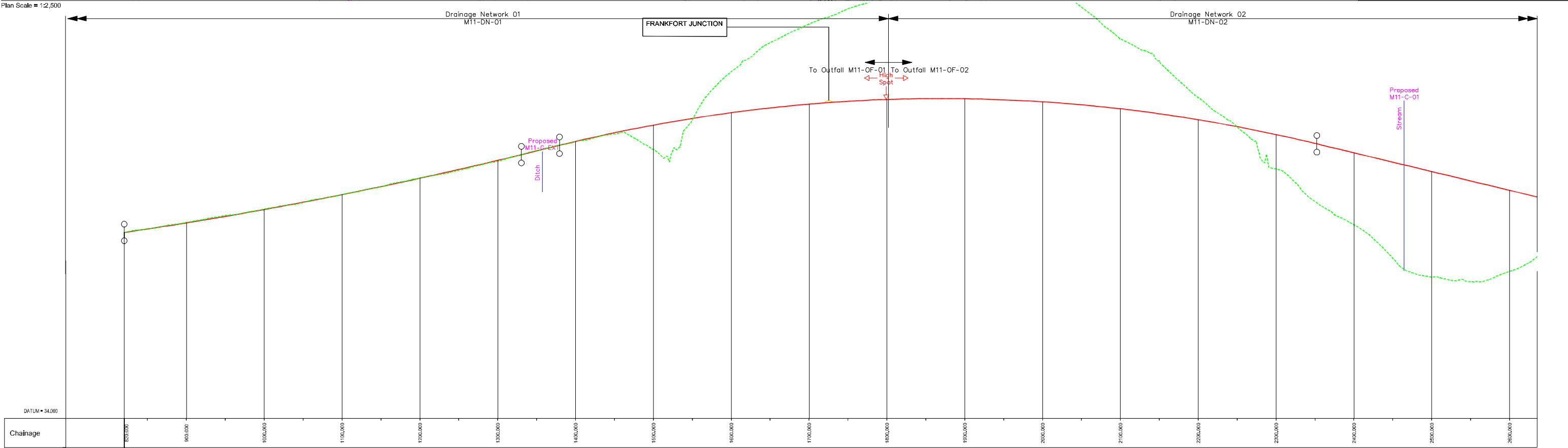
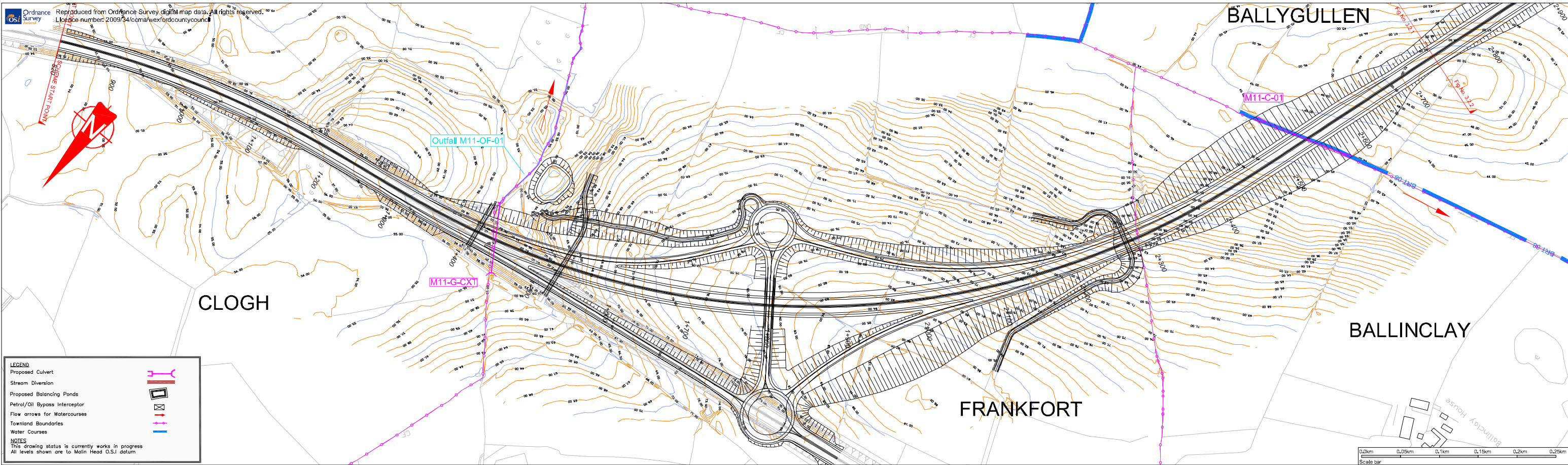


**FLOOD RELIEF CULVERT**  
(1:50)

Rev	By	Date	Description

Project: M11 Gorey to Enniscorthy Scheme			
Component: Environmental Impact Statement			
Title: River Slaney Bridge - Elevations & Section			
Designed: IGF	Date: Dec 08	File Name: N80/S1	Drawing No: Fig 3.4
Drawn: IGF	Date: Dec 08	Original Scale: As noted (@ A1)	
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Profile Scales H = 1:2,500 V = 1:250



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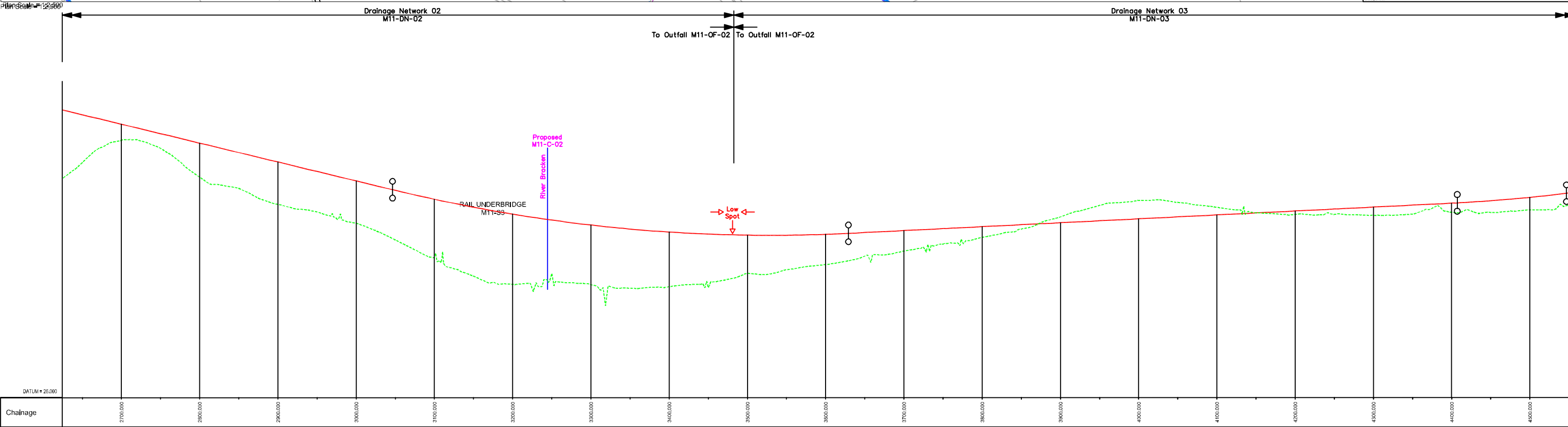
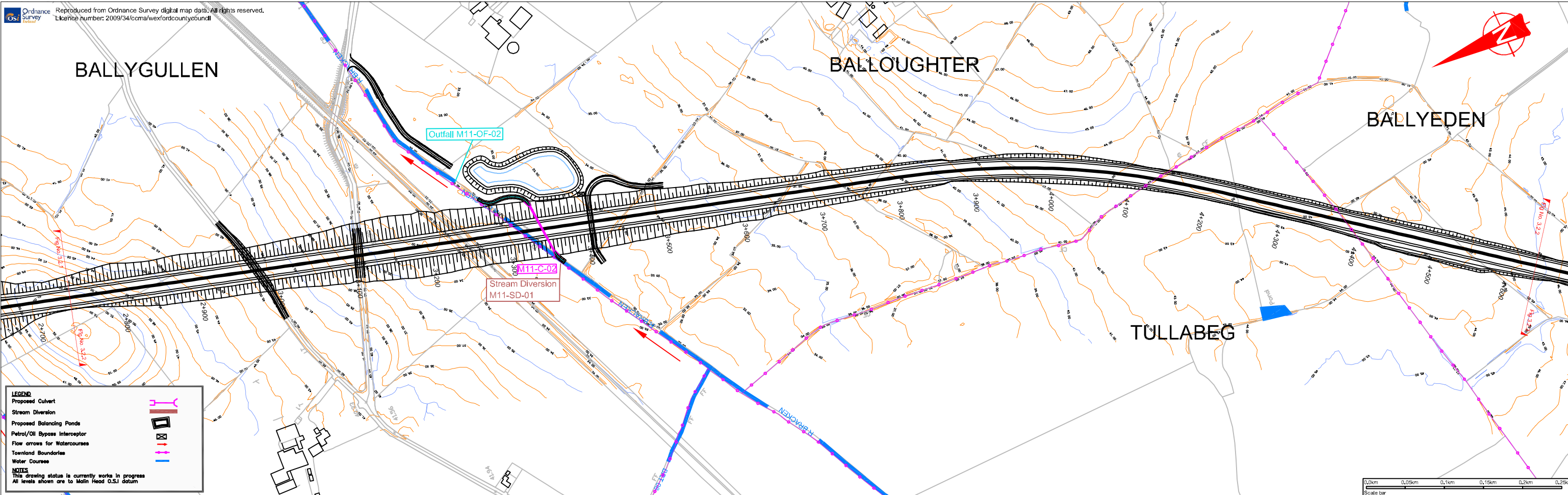
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Rev	By	Date	Description
A	DD	220409	Updated Alignment

Project: <b>M11 Gorey to Enniscorthy Scheme</b>			
Component: <b>EIS Fig 3.5.1 Drainage Outfall &amp; Culverts</b>			
Title: <b>M11 Mainline - Start to Ch. 2730m - Sheet 1 of 15</b>			
Designed: DB	Date: 30/03/09	File Name: Drainage_Plan	Drawing No:
Drawn: RH	Date: 30/03/09	Original Scale: As Shown @ A1	3.5.1 Rev A
Checked: TD	Date: 30/03/09	Date: 30/03/09	



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e-mail: rhwsp@ryanhaley.ie

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A	DD	22/04/09	Updated Alignment

Project: **M11 Gorey to Enniscorthy Scheme**

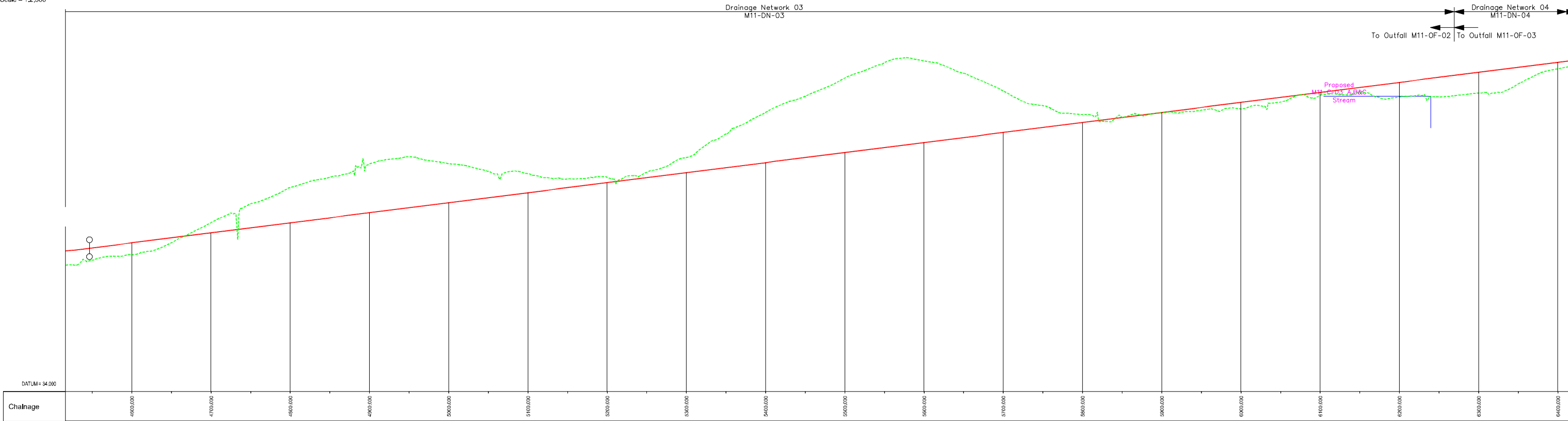
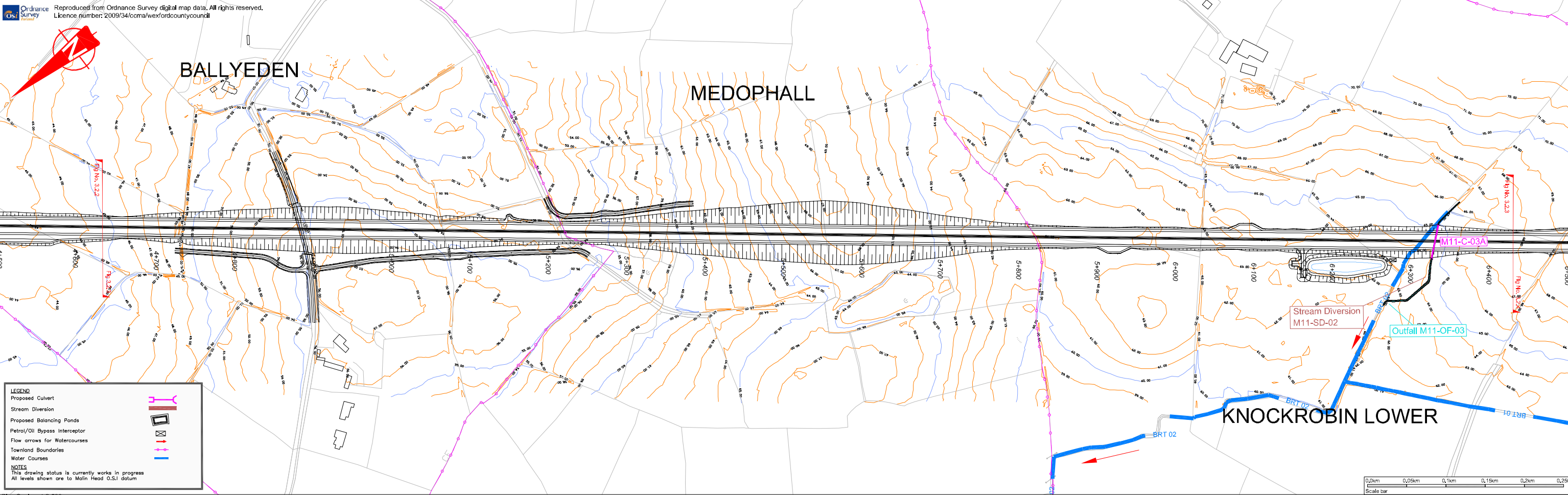
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Title: **M11 Mainline - Ch.2730 to 4630m - Sheet 2 of 15**

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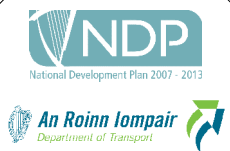
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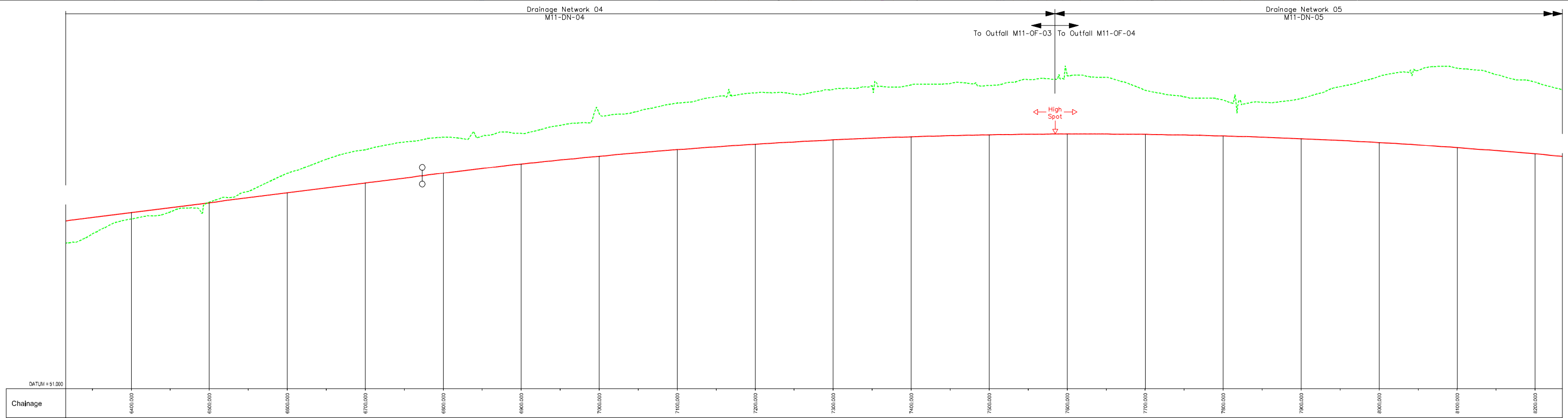
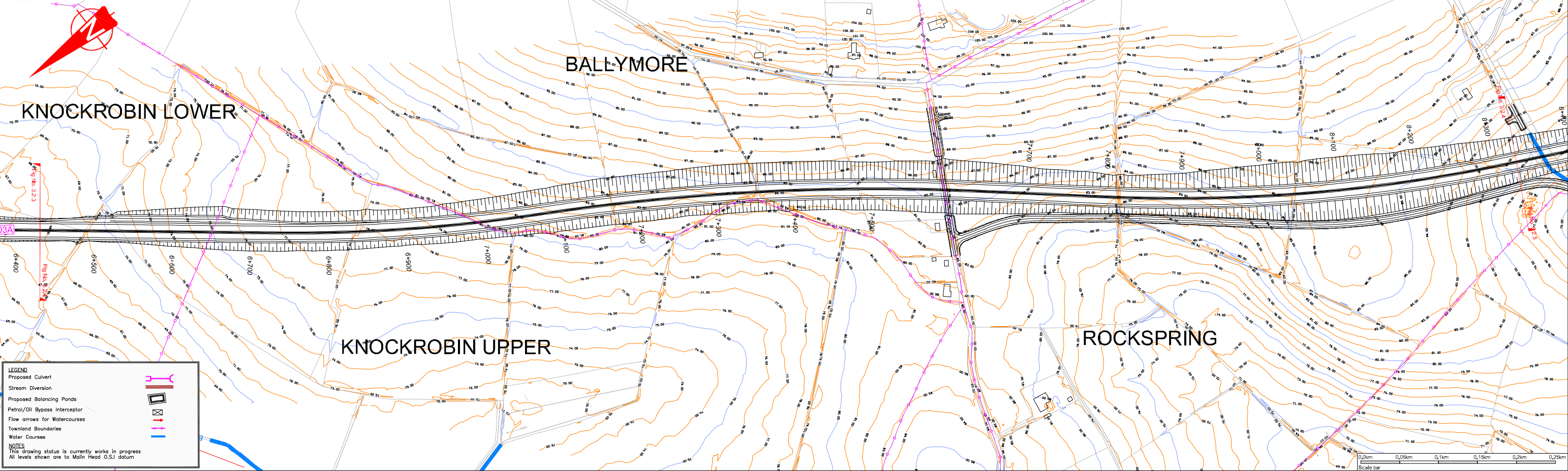
**Ryan Hanley WSP**

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e-mail: rhwsp@ryanhanley.ie

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Project: <b>M11 Gorey to Enniscorthy</b>			
Component: <b>EIS Fig 3.5.3 Drainage Outfalls &amp; Culverts</b>			
Title: <b>M11 Mainline - Ch. 4630m to 6430m - Sheet 3 of 15</b>			
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Checked: TD	Date: 30/03/09	Date: 30/03/09	





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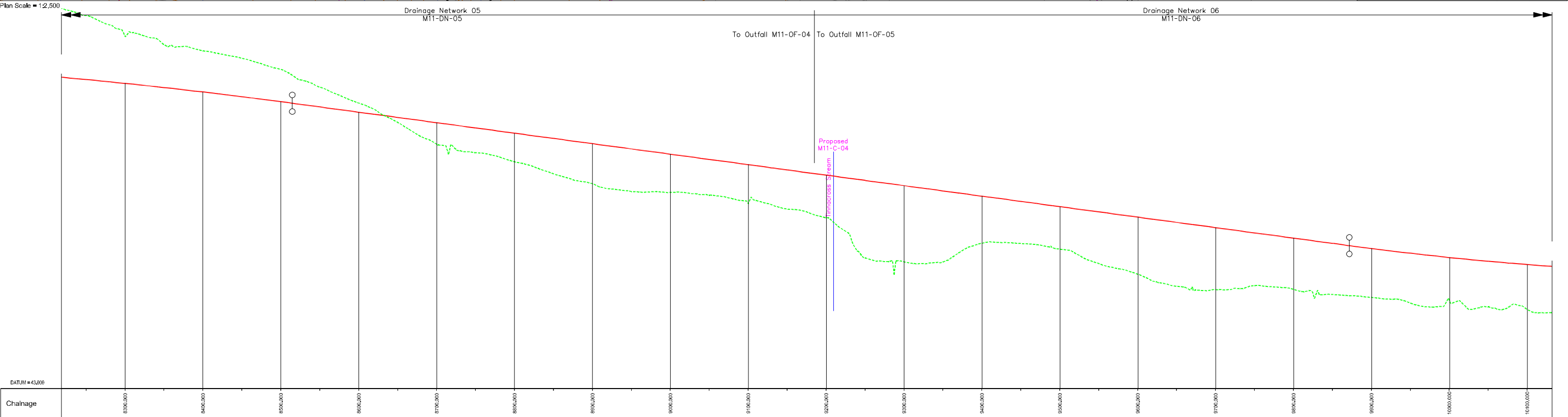
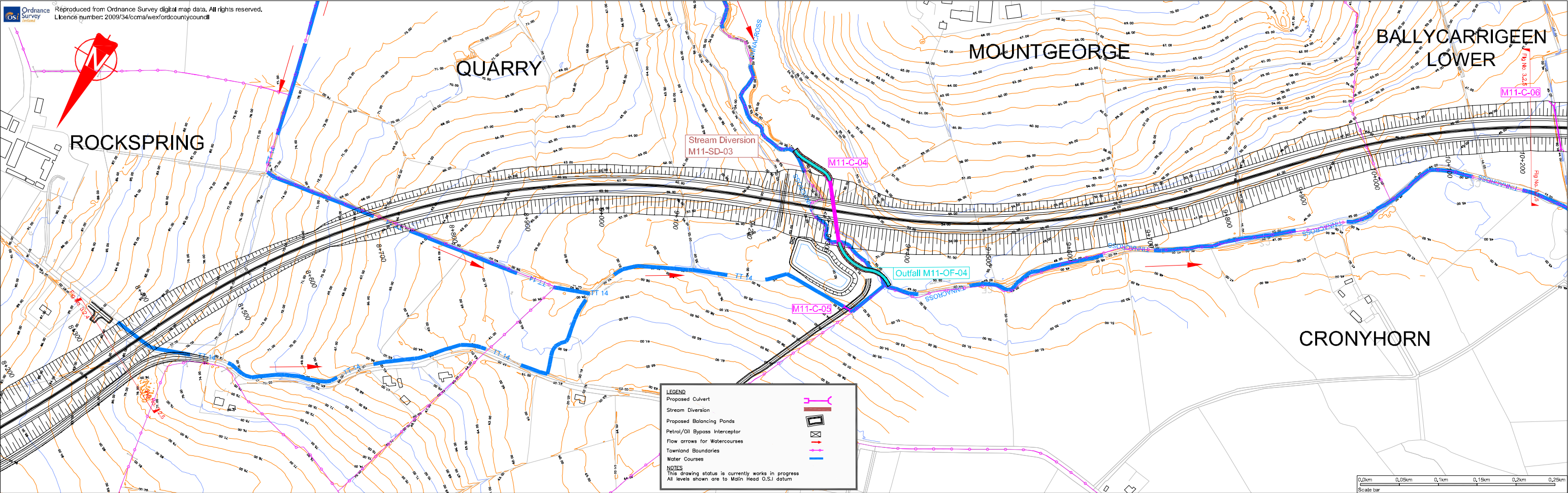
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e-mail: rhwsp@ryanhanley.ie

Project: M11 Gorey to Enniscorthy			
Component: EIS Fig 3.5.4 Drainage Outfalls & Culverts			
Title: M11 Mainline - Ch. 6430m to 8330m - Sheet 4 of 15			
Designed: DB	Date: 30/03/09	File Name: Drainage_Plan	Drawing No:
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Checked: TD	Date: 30/03/09	Date: 30/03/09	



Profile Scales H = 1:2,500 V = 1:250

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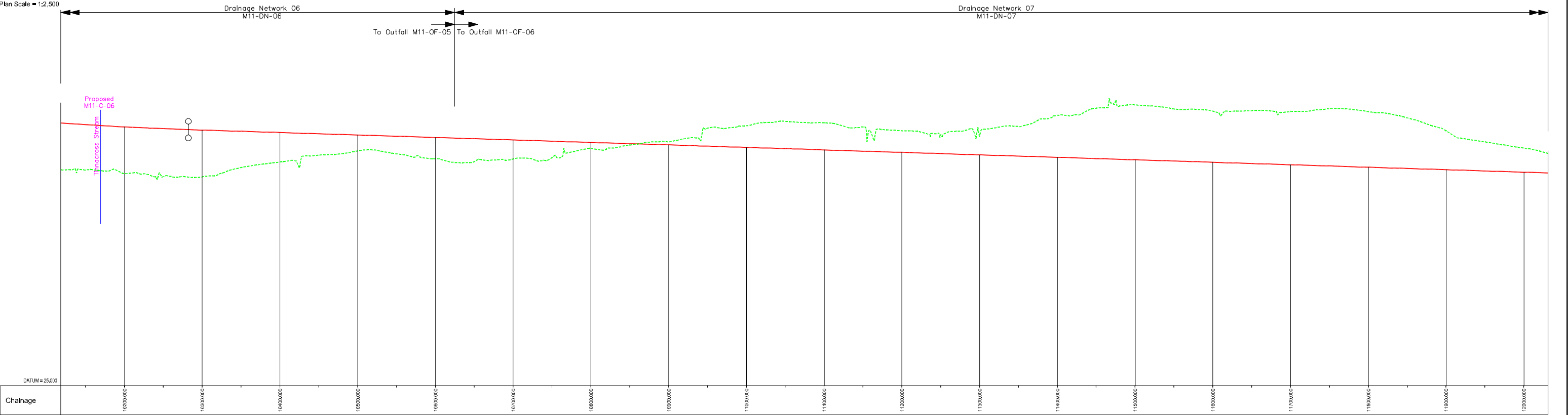
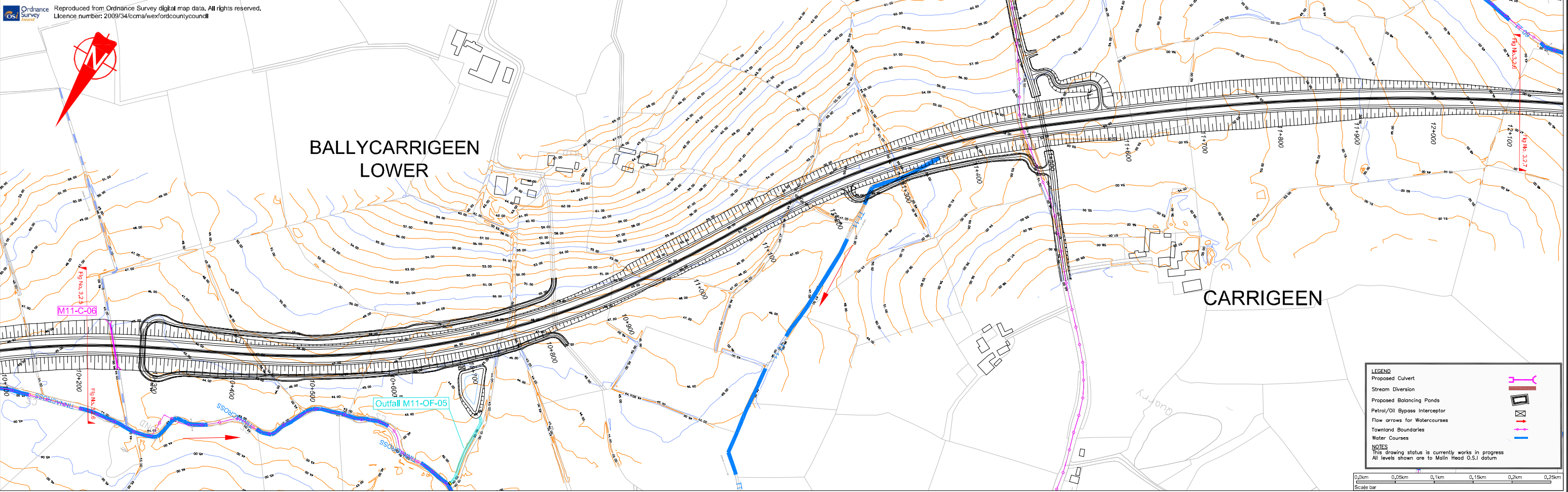
**Ryan Hanley WSP**

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e-mail: rhwsp@ryanhanley.ie

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Project: <b>M11 Gorey to Enniscorthy</b>			
Component: EIS Fig 3.5.5 Drainage Outfalls & Culverts			
Title: M11 Mainline - Ch. 8330m to 10210m - Sheet 5 of 15			
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A	DD	22/04/09	Updated Alignment

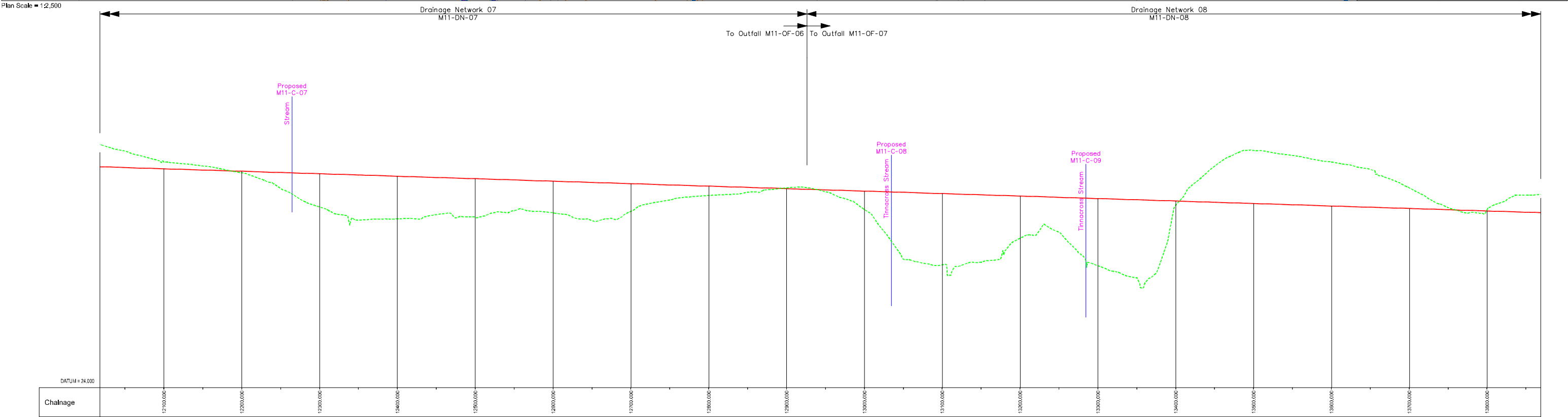
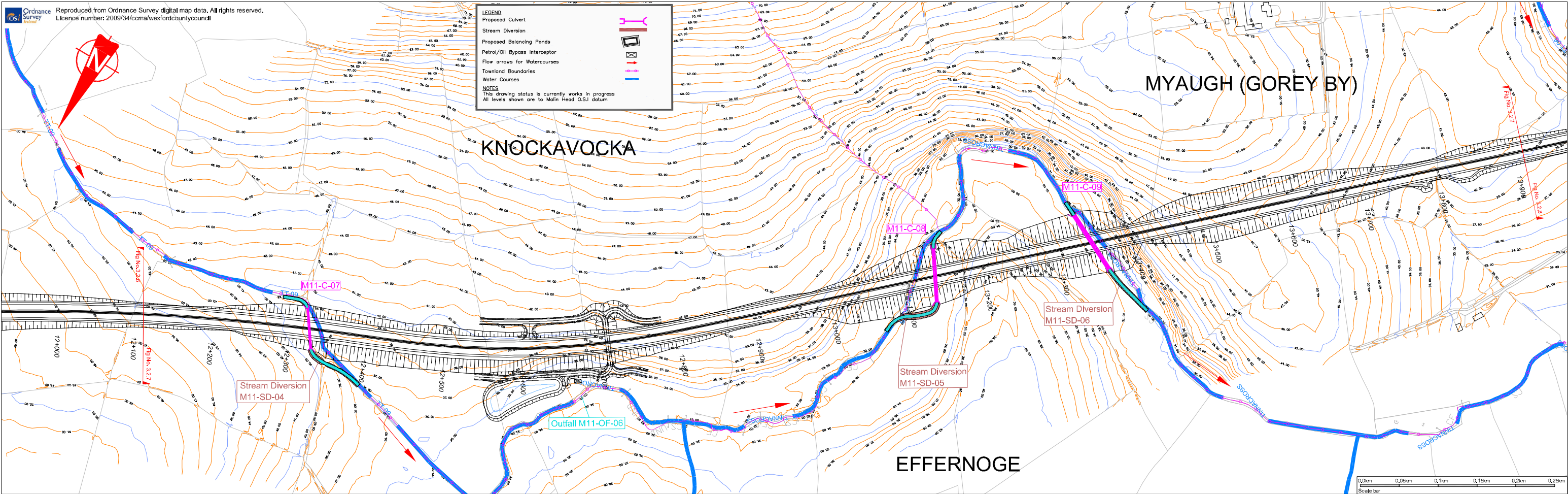
Project: **M11 Gorey to Enniscorthy**

Component: EIS Fig 3.5.6 Drainage Outfalls & Culverts

Title: M11 Mainline - Ch. 10210m to 12110m - Sheet 6 of 15

Designed: DB	Date: 30/03/09	File Name: Drainage_Plan	Drawing No:
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Checked: TD	Date: 30/03/09	Date: 30/03/09	





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e-mail: rhwsp@ryanhanley.ie

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A	DD	220409	Updated Alignment

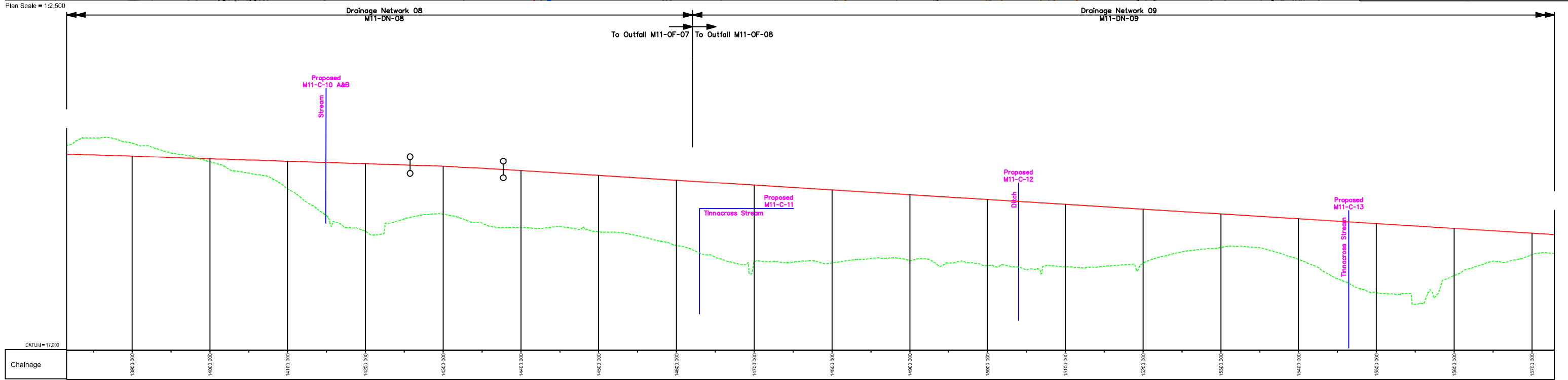
Project: **M11 Gorey to Enniscorthy**

Component: EIS Fig 3.5.7 Drainage Outfalls & Culverts

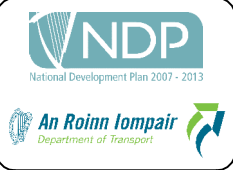
Title: M11 Mainline - Ch. 12110m to 13910m - Sheet 7 of 15

Designed: DB	Date: 30/03/09	File Name: Drainage_Plan	Drawing No:
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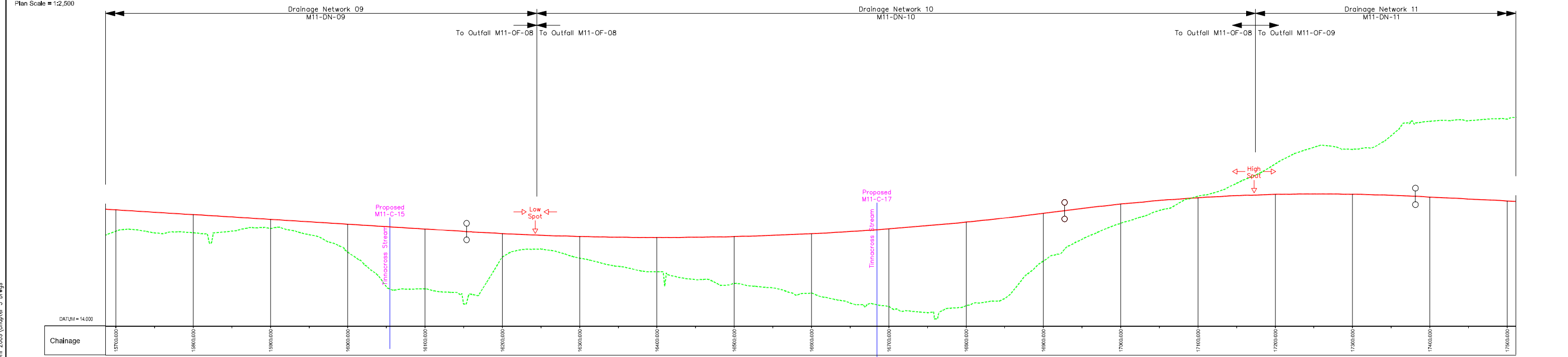
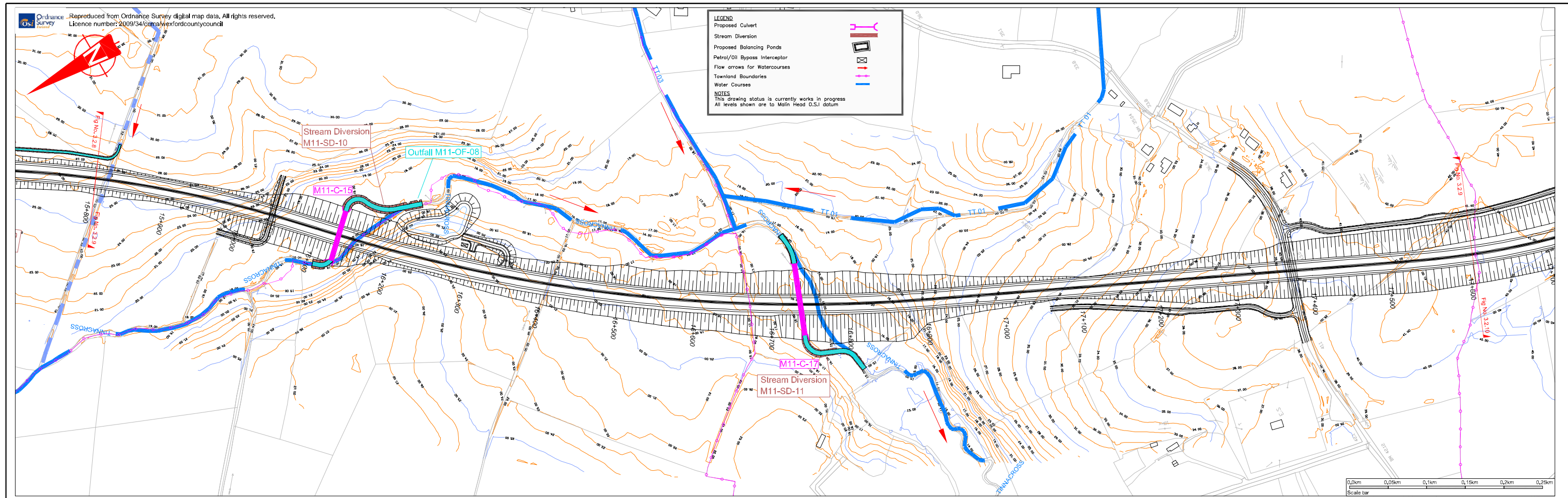
**Ryan Hanley WSP**

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e-mail: [rhwsp@ryanhanley.ie](mailto:rhwsp@ryanhanley.ie)

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A	DD	220409	Updated Alignment

Project: <b>M11 Gorey to Enniscorthy</b>				
Component: <b>EIS Fig 3.5.8 Drainage Outfalls &amp; Culverts</b>				
Title: <b>M11 Mainline - Ch. 13910m to 15805m - Sheet 8 of 15</b>				
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Checked: TD	Date: 30/03/09	Date: 30/03/09		





Profile Scales H = 1:2,500 V = 1:250

Rev	By	Date	Description
A	DD	220409	Updated Alignment

Project: M11 Gorey to Enniscorthy			
Component: EIS Fig 3.5.9 Drainage Outfalls & Culverts			
Title: M11 Mainline - Ch. 15805m to 17610m - Sheet 9 of 15			
Designed: DB	Date: 30/03/09	File Name: Drainage_Plan	Drawing No:
Drawn: RH	Date: 30/03/09	Original Scale: As Shown @ A1	3.5.9 Rev A
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progress in motion

National Development Plan 2007 - 2013

National Roads Authority

WEXFORD COUNTY COUNCIL

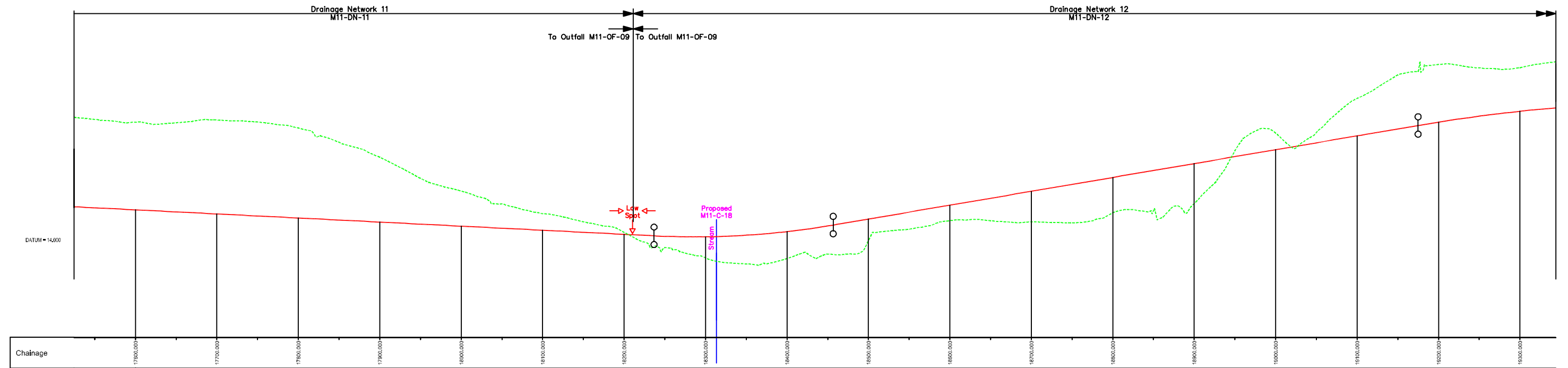
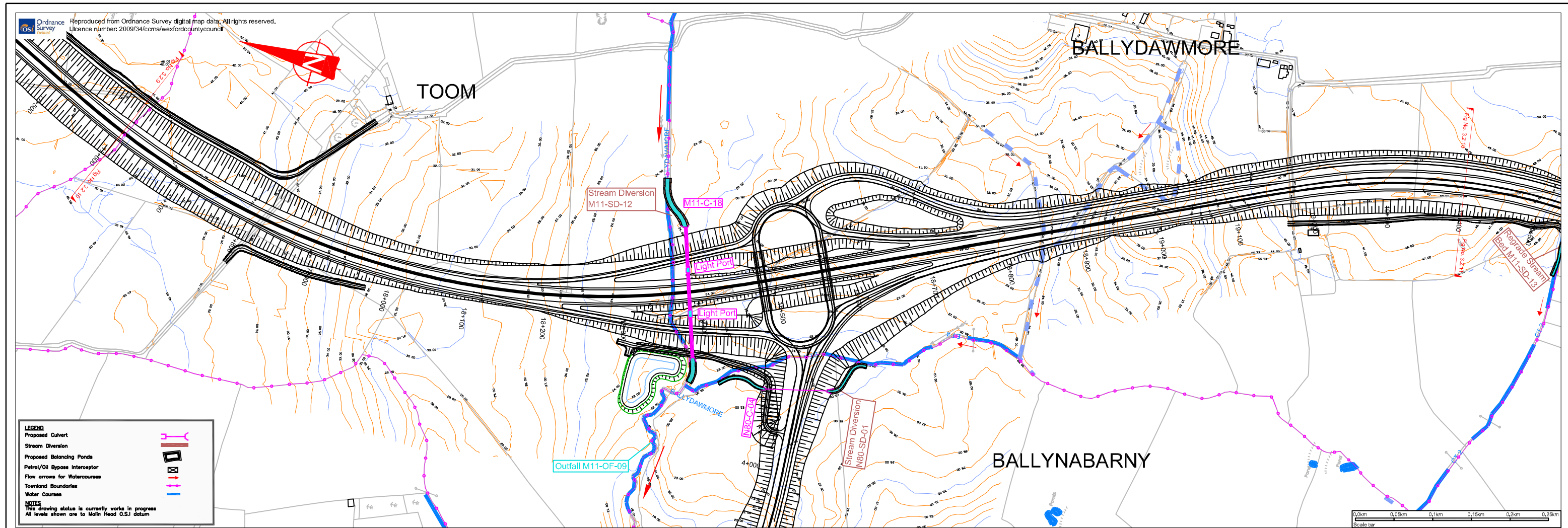
TRAMORE HOUSE ROAD DESIGN OFFICE

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Galway, Ireland  
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Profile Scales H = 12,500 V = 1:250

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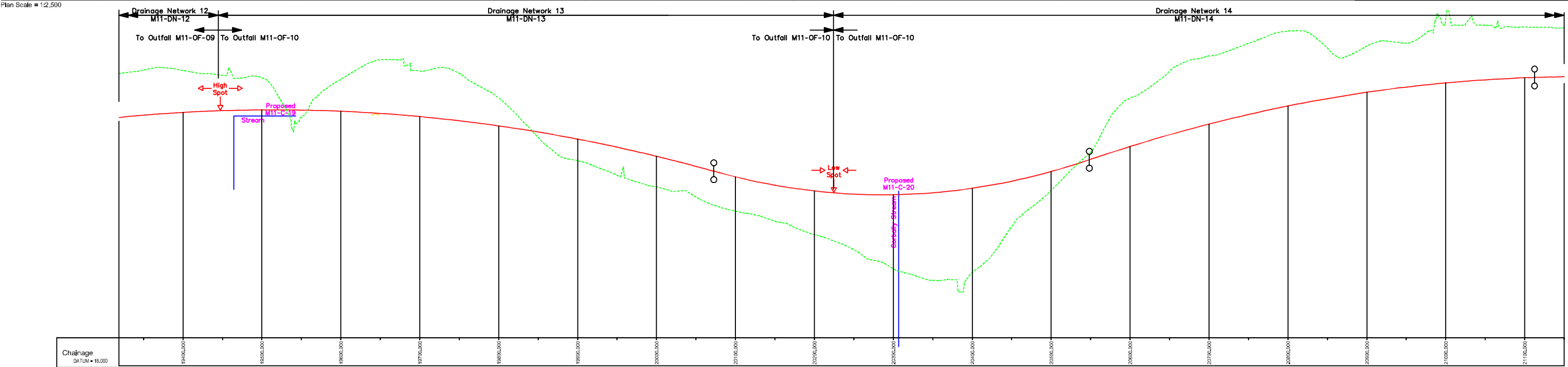
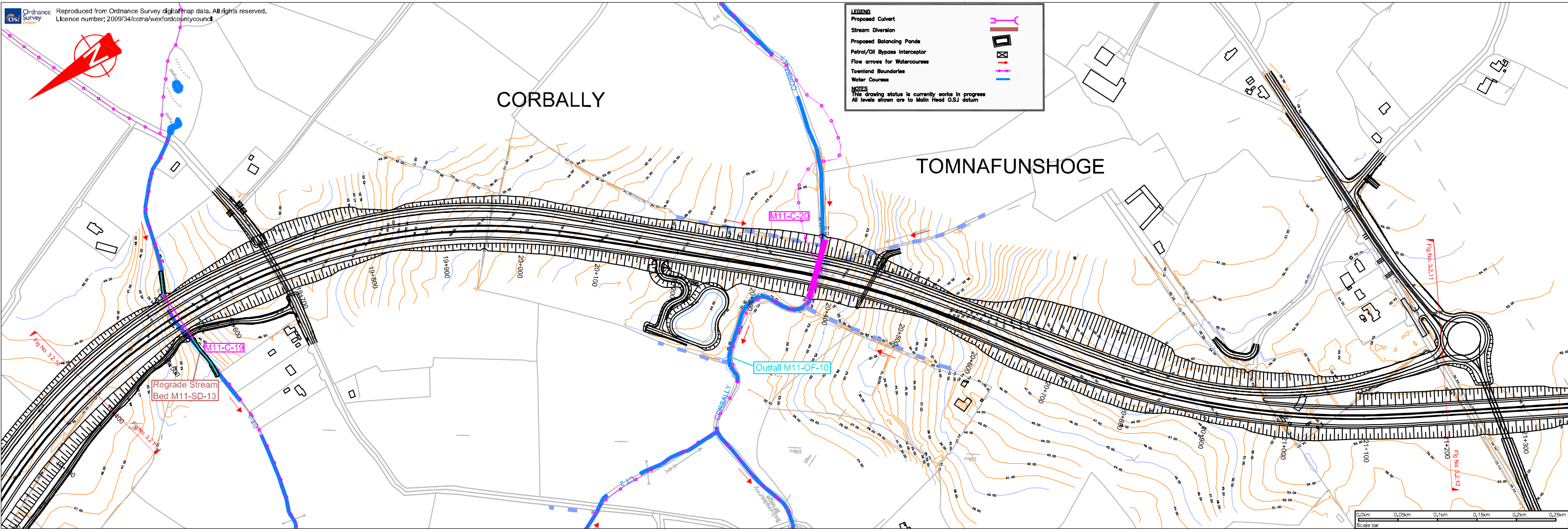
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ROAD DESIGN OFFICE  
Tramore  
Co. Waterford

**Ryan Hanley WSP**

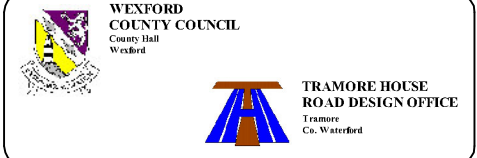
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Galway, Ireland  
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e-mail: rhwsp@ryanhaley.ie

Rev	By	Date	Description
A	DD	22/04/09	Updated Alignment

Project: <b>M11 Gorey to Enniscorthy</b>			
Component: EIS Fig 3.5.10 Drainage Outfalls & Culverts			
Title: M11 Mainline - Ch. 17610m to 19400m - Sheet 10 of 15			
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Profile Scales H = 1:2,500 V = 1:250

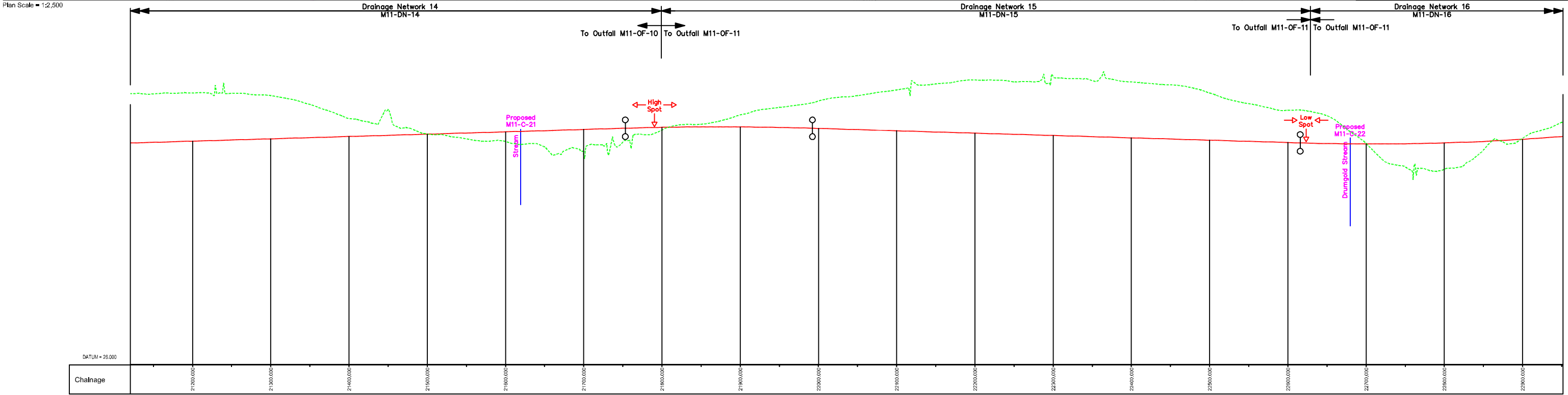
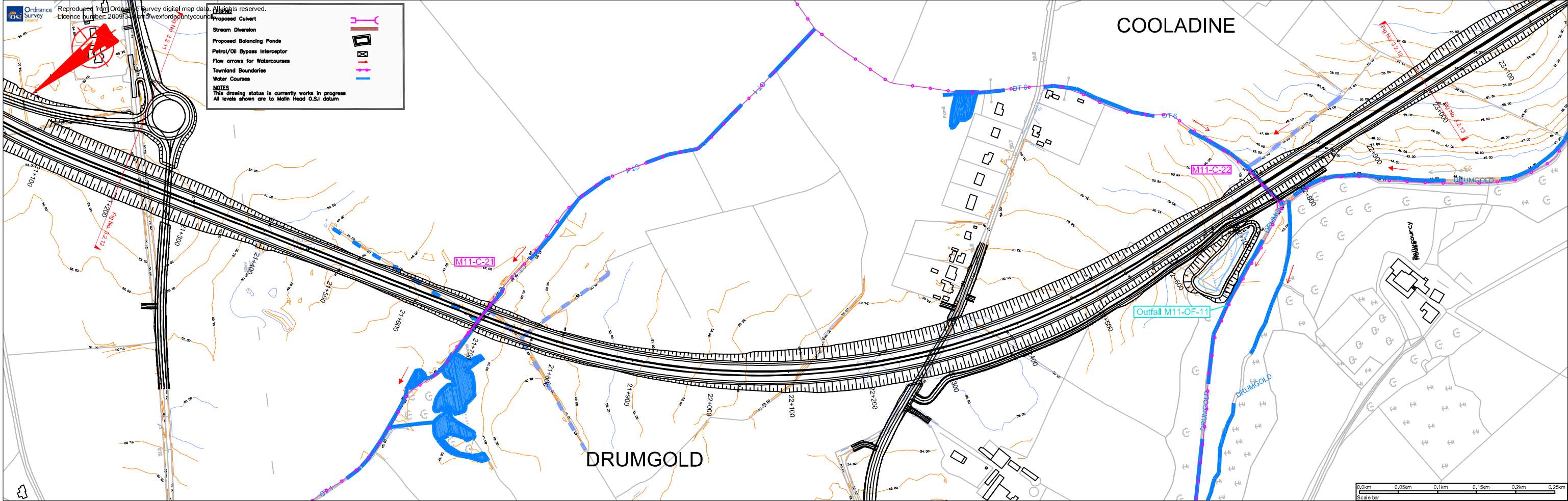


Rev	By	Date	Description
A	DD	22/04/09	Updated Alignment

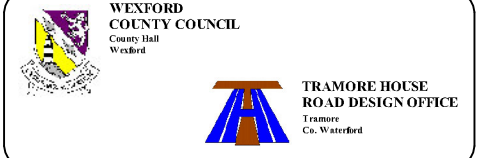
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Component: EIS Fig 3.5.11 Drainage Outfalls & Culverts			
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Drawn: RH	Date: 30/03/09	Original Scale: As Shown @ A1	
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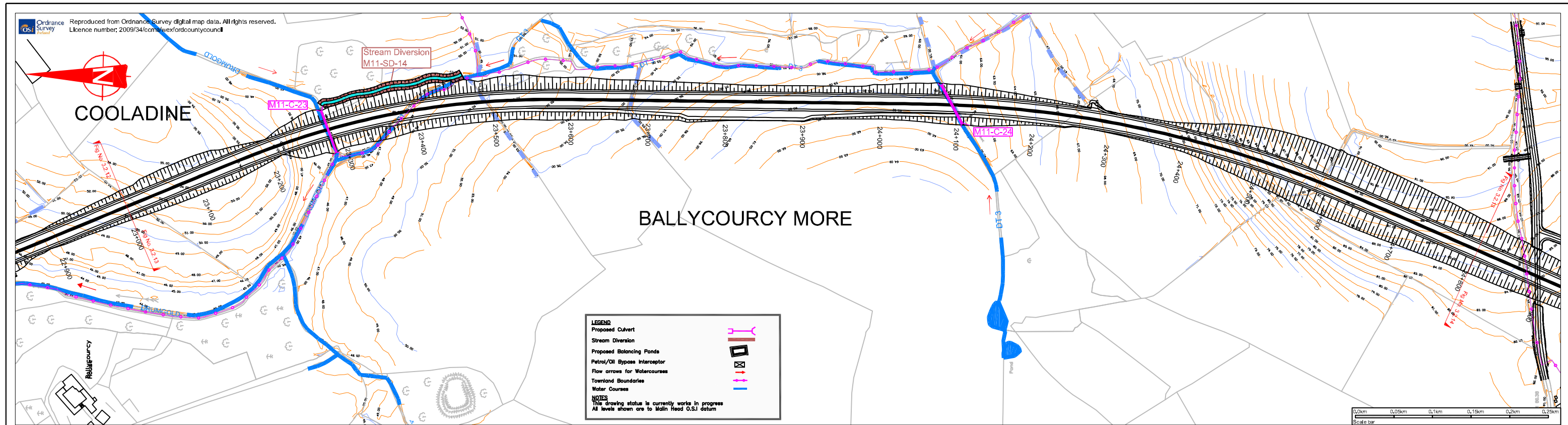
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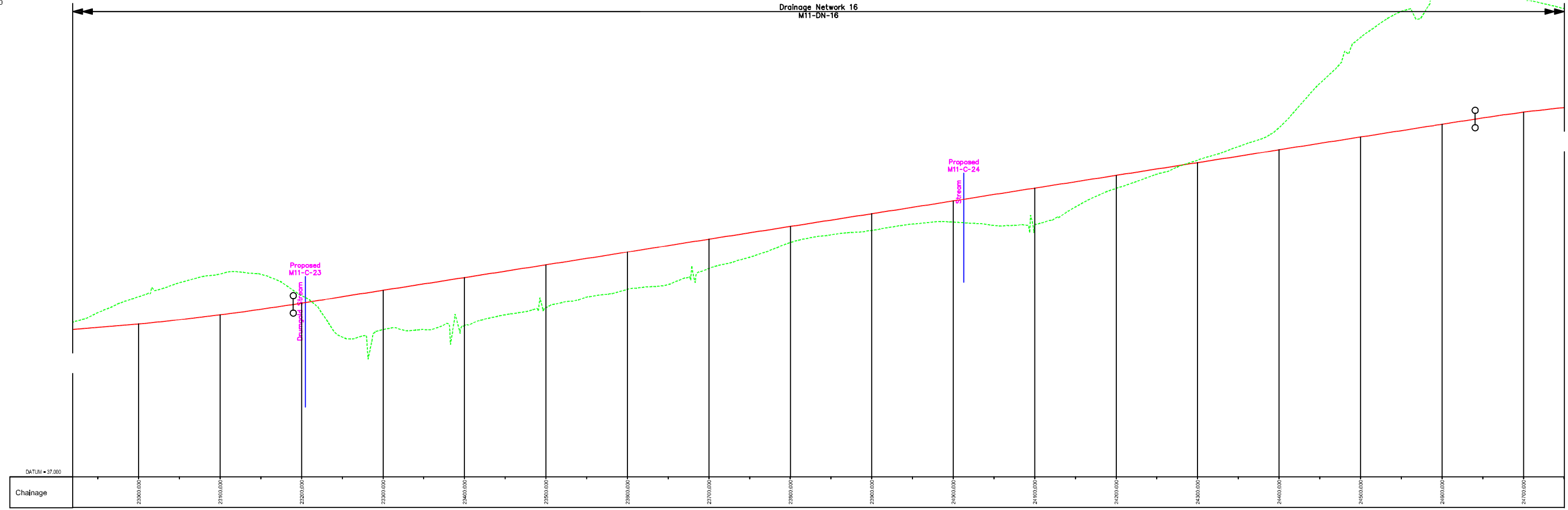
Rev	By	Date	Description
A	DD	30/03/09	Updated Alignment

Project: M11 Gorey to Enniscorthy			
Component: EIS Fig 3.5.12 Drainage Outfalls & Culverts			
Title: M11 Mainline - Ch. 21200m to 23000m - Sheet 12 of 15			
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Drainage Network 16  
M11-DN-16



Profile Scales H = 1:2,500 V = 1:250



progress in motion



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ROAD DESIGN OFFICE  
Tramore  
Co. Waterford

**Ryan Hanley WSP**

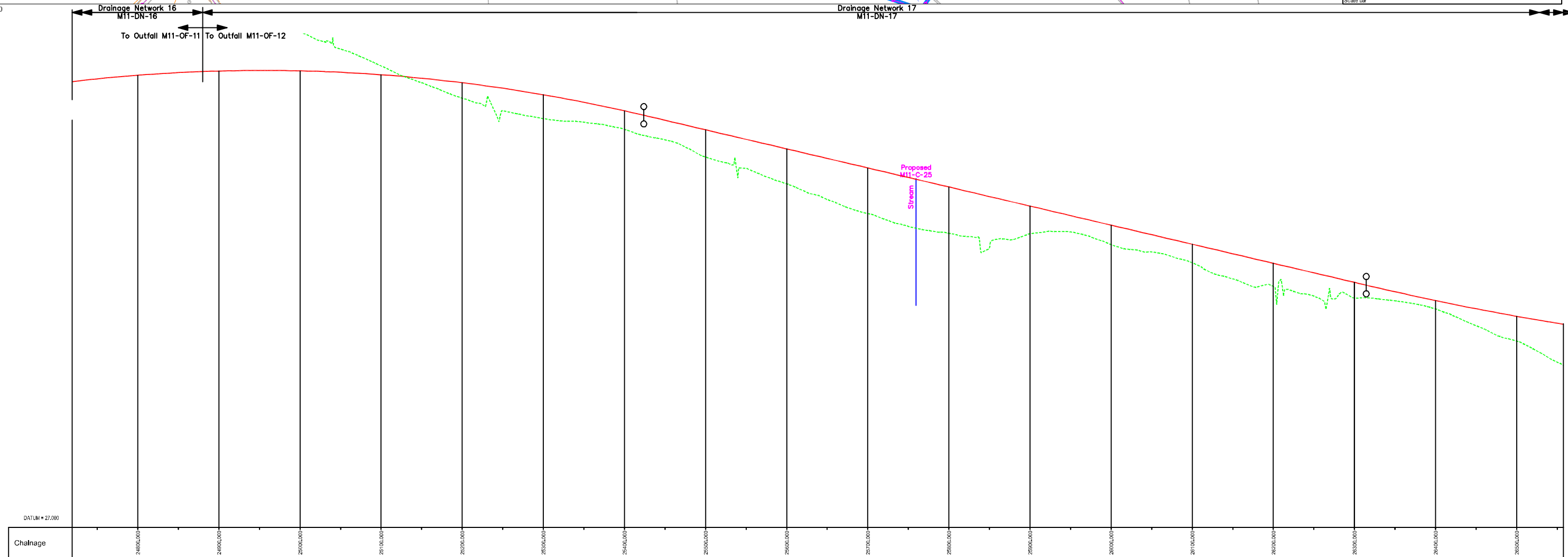
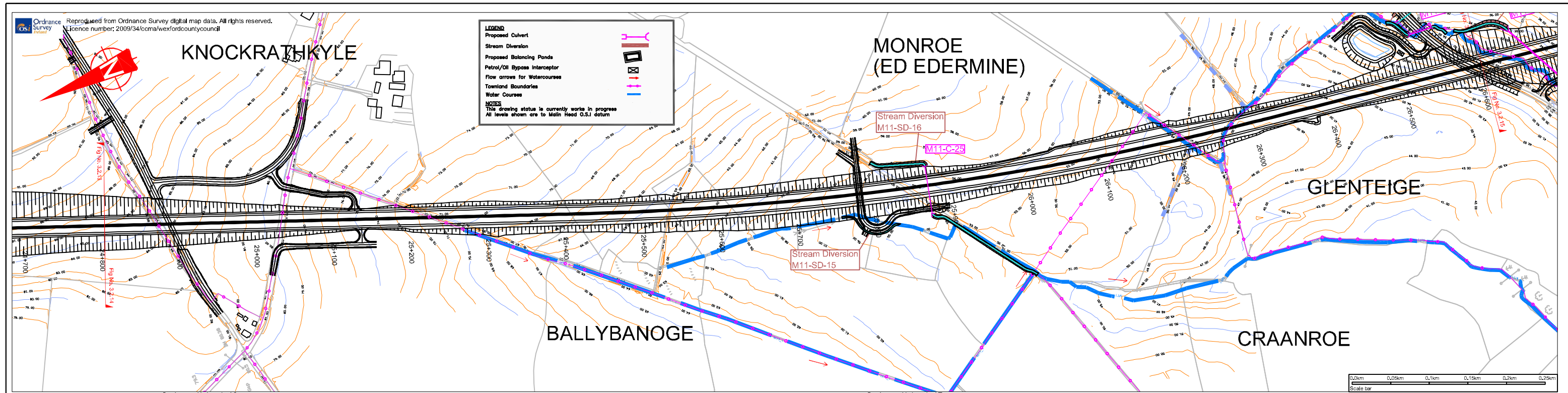
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e-mail: rhwsp@ryanhanley.ie

Rev	By	Date	Description
A	DD	22/04/09	Updated Alignment

Project: <b>M11 Gorey to Enniscorthy</b>			
Component: EIS Fig 3.5.13 Drainage Outfalls & Culverts			
Title: M11 Mainline - Ch. 23000m to 24800m - Sheet 13 of 15			
Designed: DB	Date: 30/03/09	File Name: Drainage_Plan	Drawing No:
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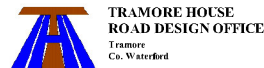


Profile Scales H = 1:2,500 V = 1:250

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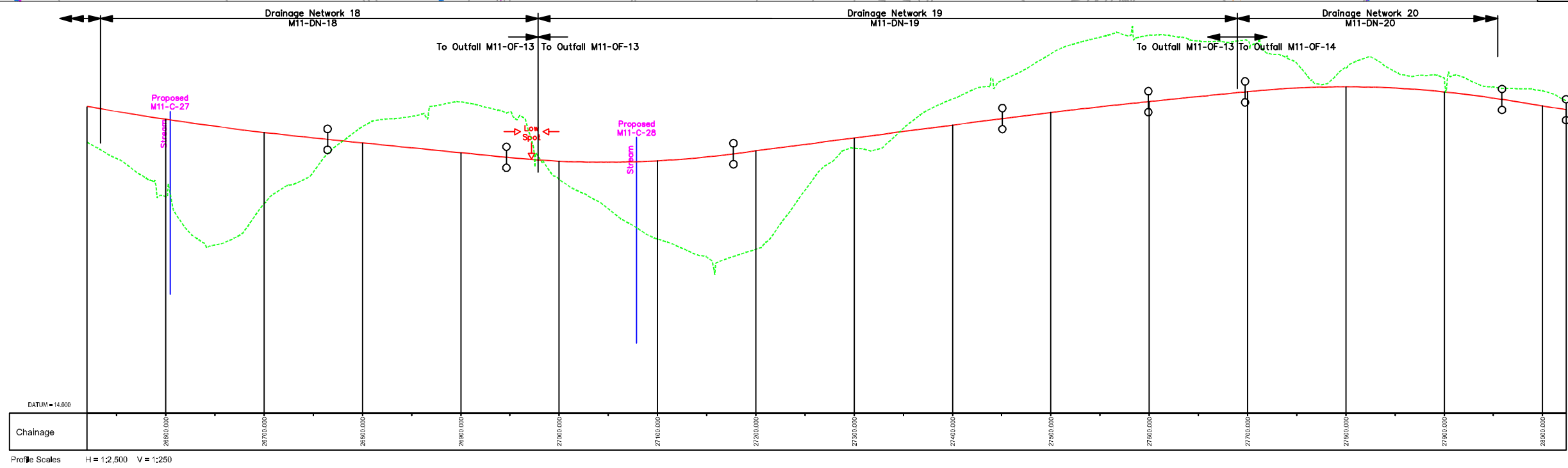
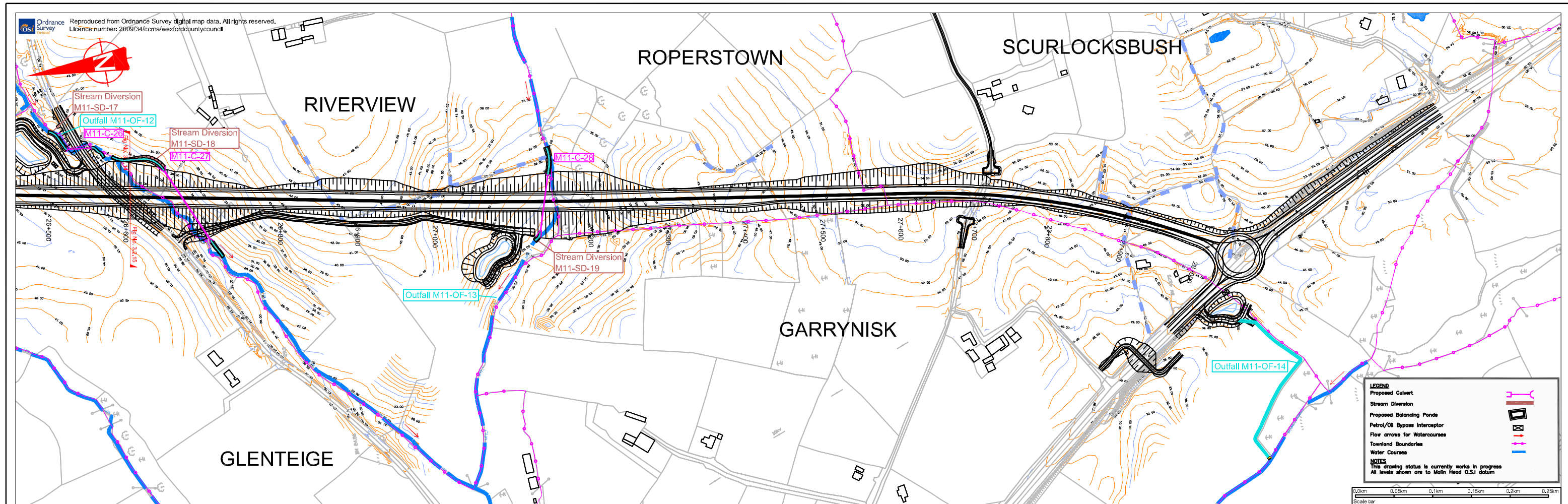
**Ryan Hanley WSP**

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Rev	By	Date	Description
A	DD	22/04/09	Updated Alignment

Project: <b>M11 Gorey to Enniscorthy</b>			
Component: <b>EIS Fig 3.5.14 Drainage Outfalls &amp; Culverts</b>			
Title: <b>M11 Mainline - Ch. 24800m to 26600m - Sheet 14 of 15</b>			
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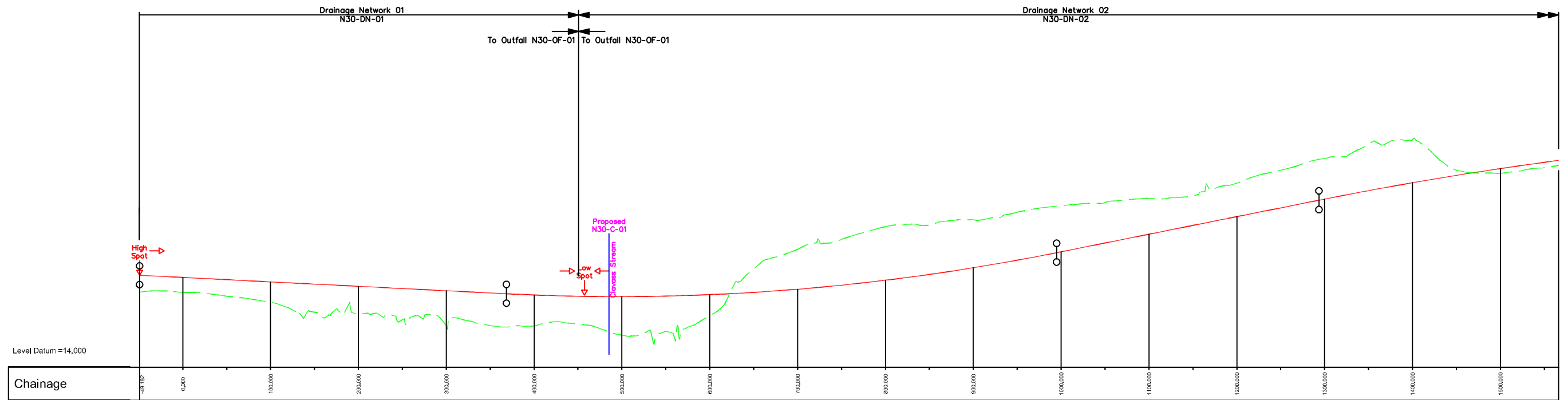
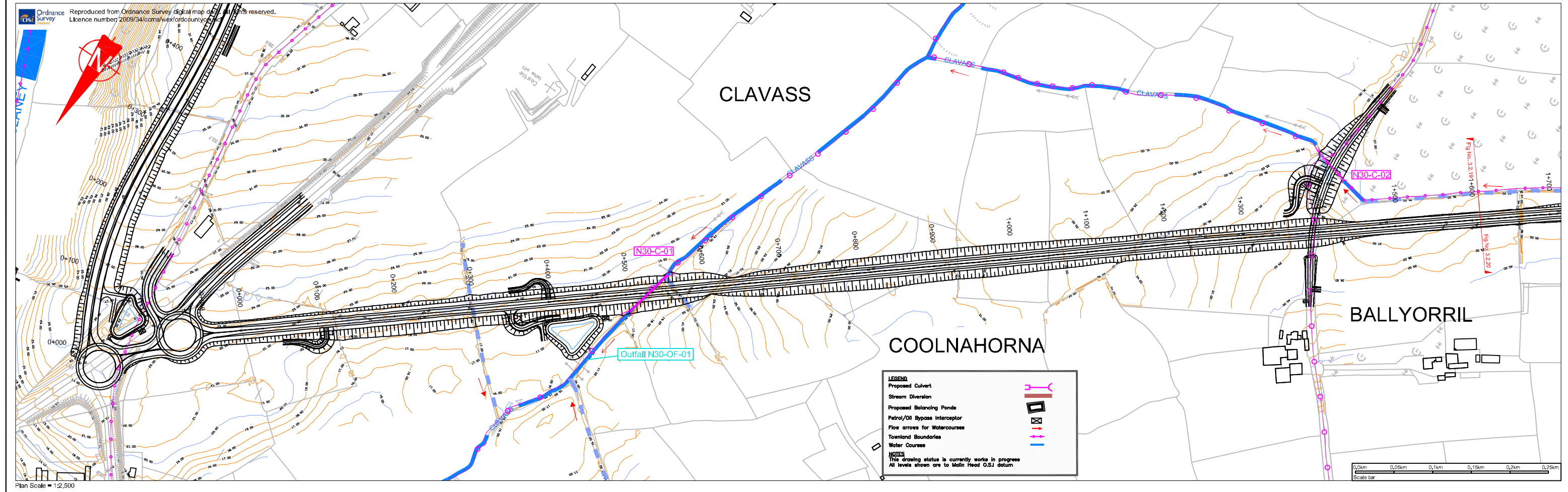
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 progress in motion	 National Development Plan 2007 - 2013	 National Roads Authority An Rúdarás uas Báithre Náisiúnta	 WEXFORD COUNTY COUNCIL County Hall Wexford	 TRAMORE HOUSE ROAD DESIGN OFFICE Tramore Co. Waterford	 Ryan Hanley WSP Sherwood House, Sherwood Avenue, Taylor's Hill Galway, Ireland Tel: +353 (0)91 587116 Fax: +353 (0)91 587102 e-mail: rhwsp@ryanhanley.ie	Rev	By	Date	Description
						A	DD	220409	Updated Alignment
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						Component: EIS Fig 3.5.15 Drainage Outfalls & Culverts			
						Title: M11 Mainline - Ch. 26600m to End - Sheet 15 of 15			
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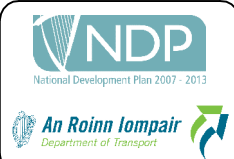


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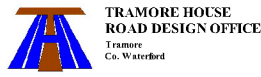
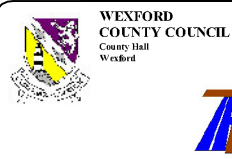


Profile Scales H = 1:2,500 V = 1:250

**transport21**  
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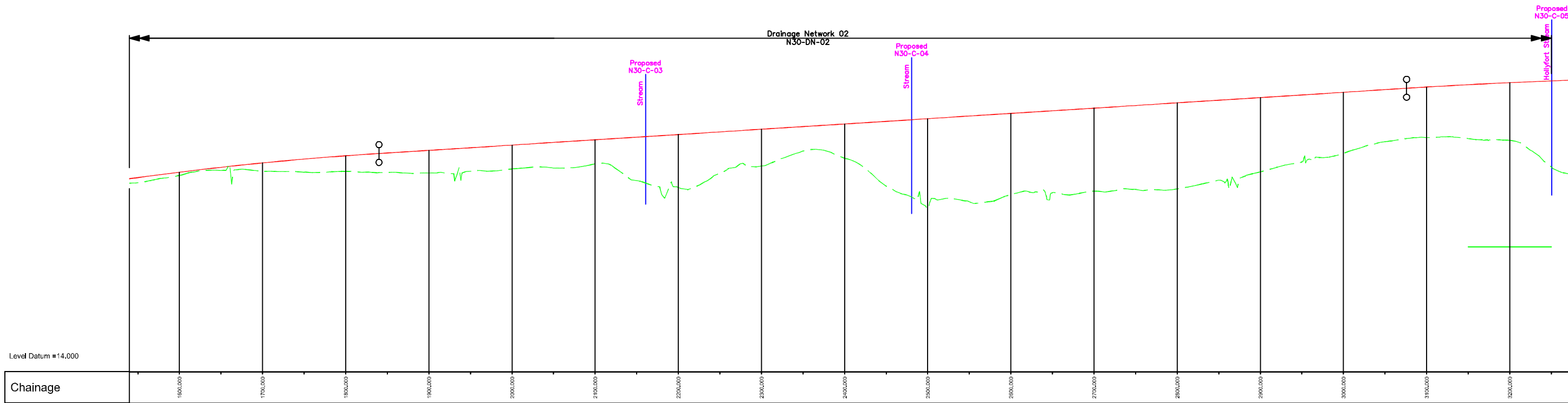
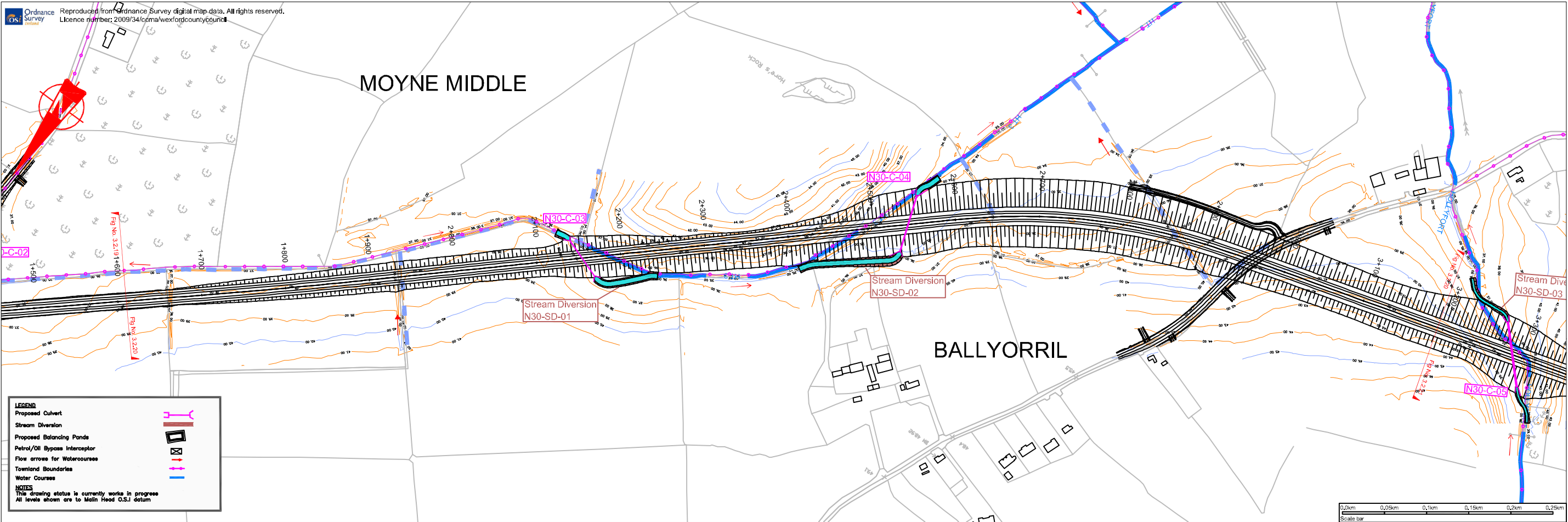


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e-mail: rhwsp@ryanhanley.ie

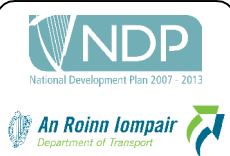
Rev	By	Date	Description
A	DD	22/04/09	Updated Alignment

Project: <b>M11 Gorey to Enniscorthy</b>			
Component: <b>EIS Fig 3.5.16 Drainage Outfalls &amp; Culverts</b>			
Title: <b>N30 Mainline - Start to Ch. 1610m - Sheet 1 of 5</b>			
Designed: DB	Date: 30/03/09	File Name: Drainage_Plan	Drawing No:
Drawn: RH	Date: 30/03/09	Original Scale: As Shown @ A1	3.5.16 Rev A
Checked: TD	Date: 30/03/09	Date: 30/03/09	



Profile Scales H = 1:2,500 V = 1:250

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County Hall  
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Tramore  
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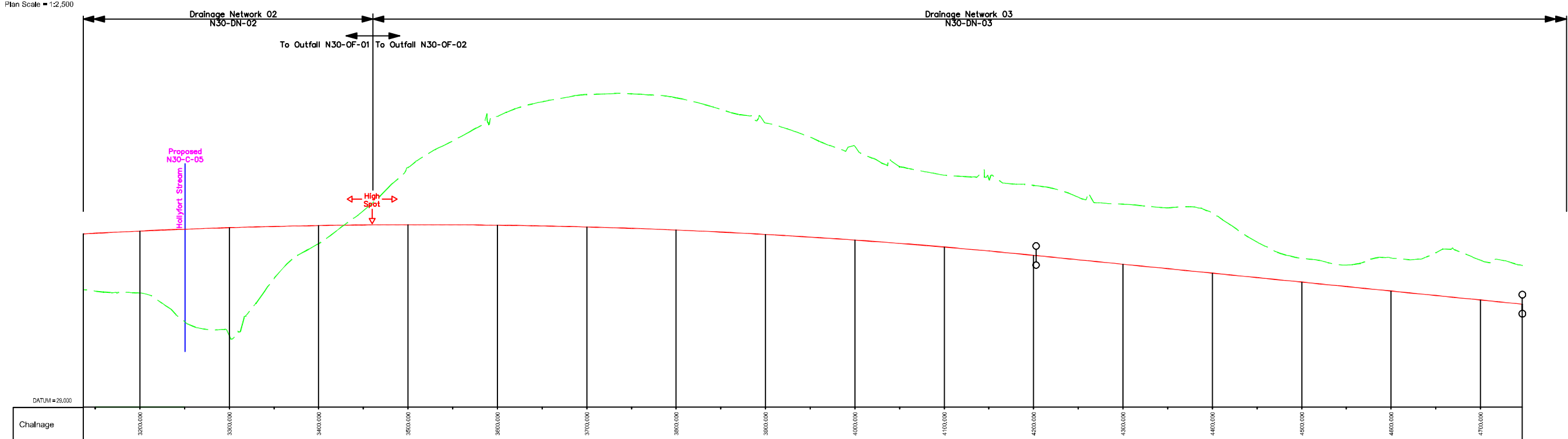
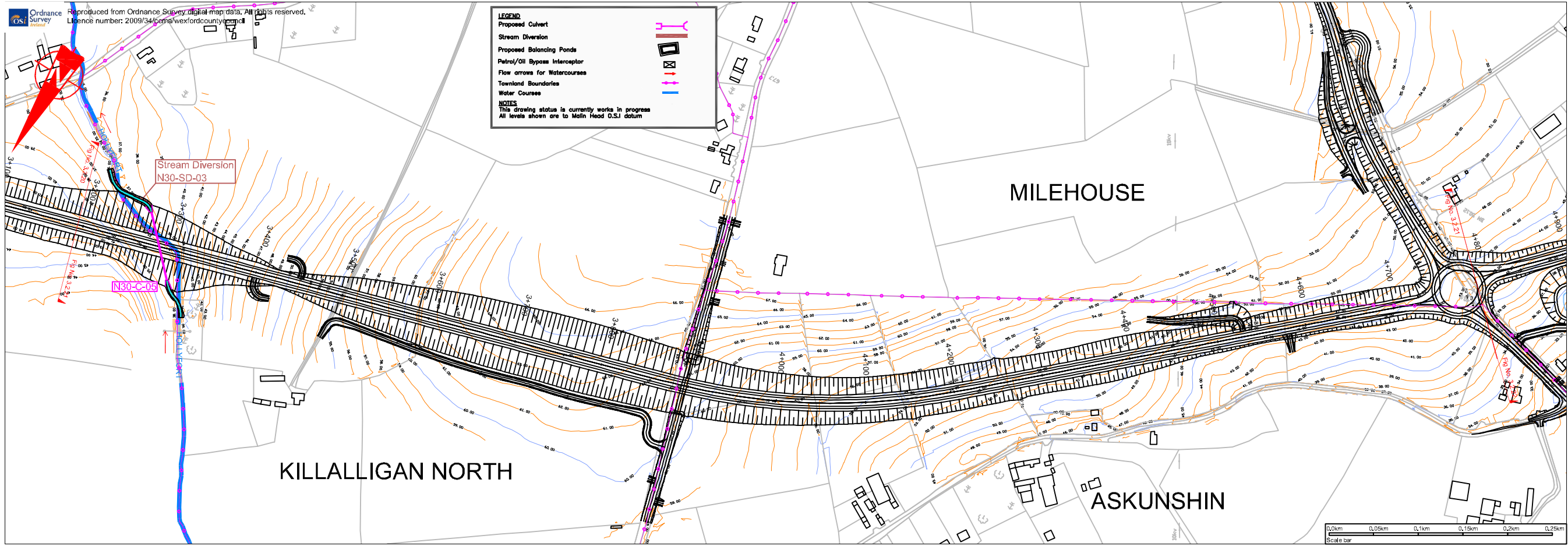
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Project: M11 Gorey to Enniscorthy			
Component: EIS Fig 3.5.17 Drainage Outfalls & Culverts			
Title: N30 Mainline - Ch. 1610m to 3195m - Sheet 2 of 5			
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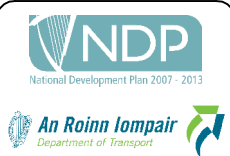


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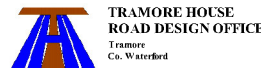


Profile Scales H = 1:2,500 V = 1:250

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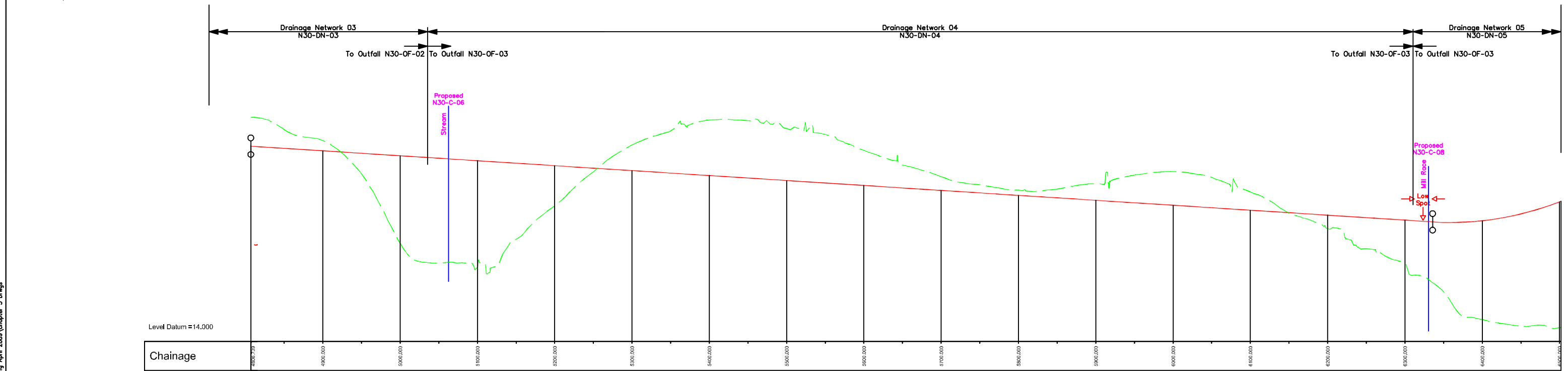
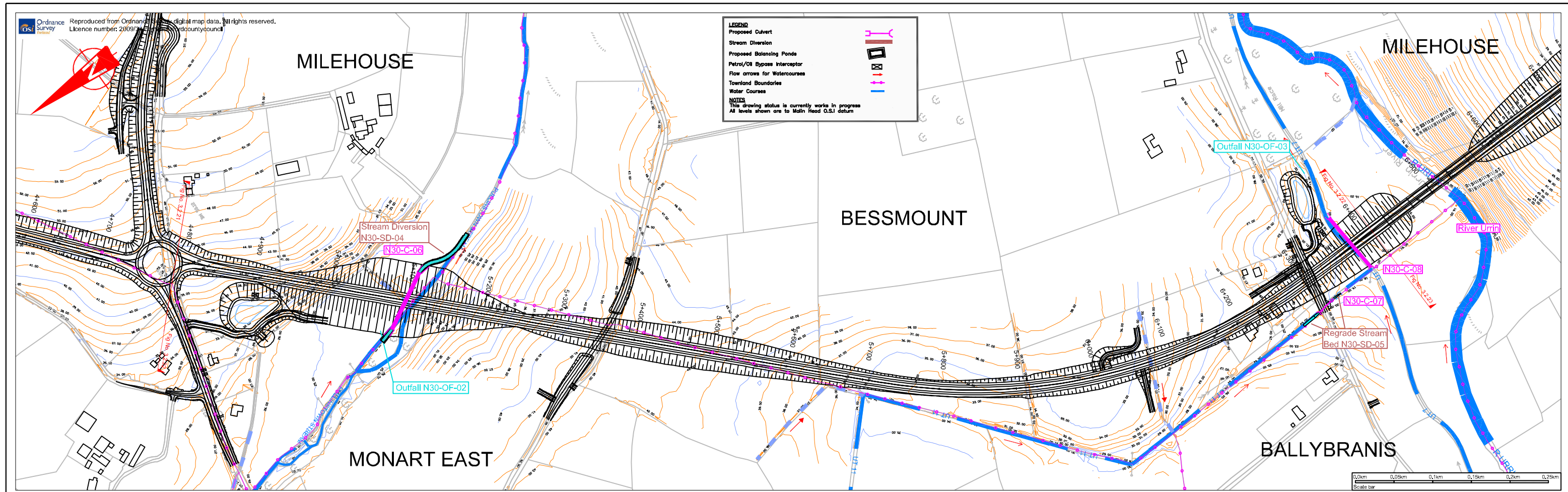
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e-mail: rhwsp@ryanhanley.ie

Rev	By	Date	Description
A	DD	22/04/09	Updated Alignment

Project: <b>M11 Gorey to Enniscorthy</b>			
Component: EIS Fig 3.5.18 Drainage Outfalls & Culverts			
Title: N30 Mainline - Ch. 3195m to 4800m - Sheet 3 of 5			
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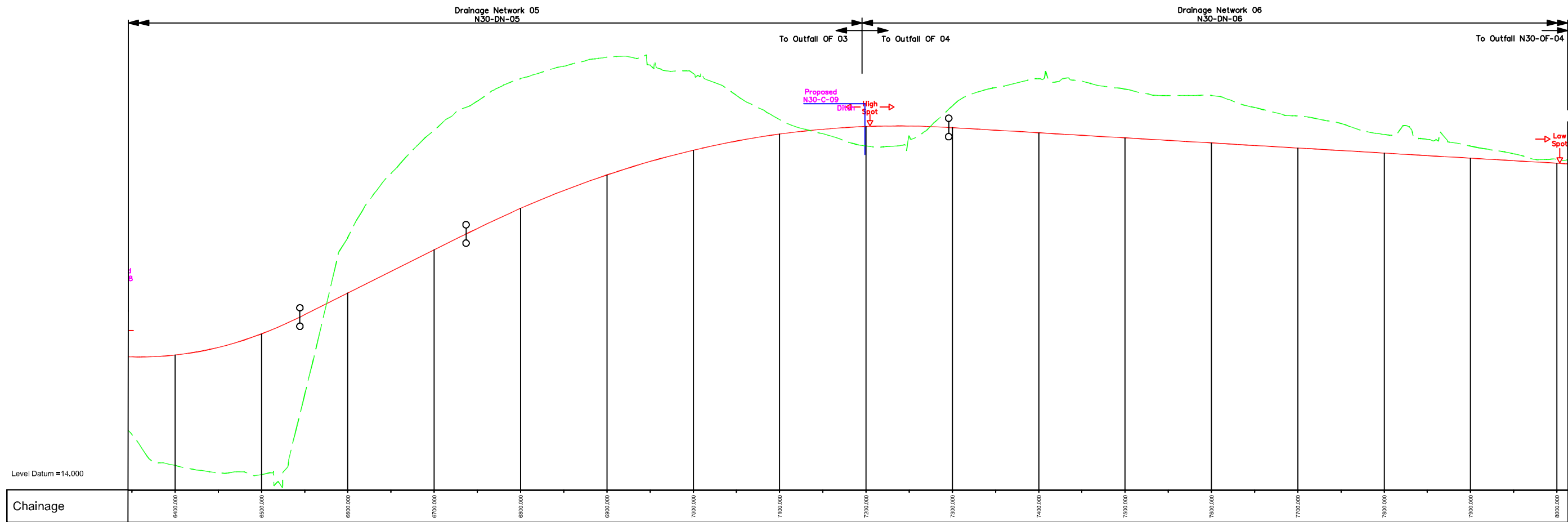
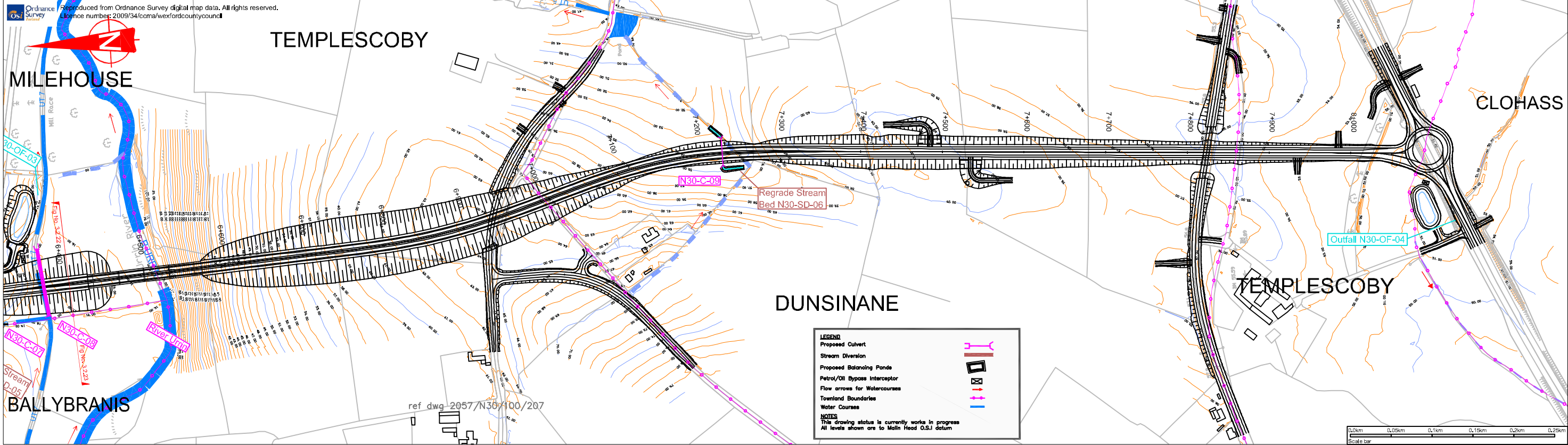
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Profile Scales H = 1:2,500 V = 1:250

 progress in motion	 National Development Plan 2007 - 2013  Department of Transport	 National Roads Authority An tAidís na Bóithre Náisiúnta	 WEXFORD COUNTY COUNCIL Cúige Bhaile Weaxford  TRAMORE HOUSE ROAD DESIGN OFFICE Tramore Co. Waterford	 Ryan Hanley WSP Sherwood House, Sherwood Avenue, Taylor's Hill Galway, Ireland Tel: +353 (0)91 587116 Fax: +353 (0)91 587102 e-mail: rhwsp@ryanhaley.ie	<table border="1"><thead><tr><th>Rev</th><th>By</th><th>Date</th><th>Description</th></tr></thead><tbody><tr><td>A</td><td>DD</td><td>22/04/09</td><td>Updated Alignment</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>	Rev	By	Date	Description	A	DD	22/04/09	Updated Alignment																					<table border="1"><thead><tr><th colspan="4">Project: M11 Gorey to Enniscorthy</th></tr><tr><td colspan="4">Component: EIS Fig 3.5.19 Drainage Outfalls &amp; Culverts</td></tr><tr><td colspan="4">Title: N30 Mainline - Ch. 4800m to 6410m - Sheet 4 of 5</td></tr><tr><td>Designed: DB</td><td>Date: 30/03/09</td><td>File Name: Drainage_Plan</td><td>Drawing No:</td></tr><tr><td>Drawn: RH</td><td>Date: 30/03/09</td><td>Original Scale: As Shown @ A1</td><td>3.5.19 Rev A</td></tr><tr><td>Checked: TD</td><td>Date: 30/03/09</td><td>Date: 30/03/09</td><td> </td></tr></thead></table>	Project: M11 Gorey to Enniscorthy				Component: EIS Fig 3.5.19 Drainage Outfalls & Culverts				Title: N30 Mainline - Ch. 4800m to 6410m - Sheet 4 of 5				Designed: DB	Date: 30/03/09	File Name: Drainage_Plan	Drawing No:	Drawn: RH	Date: 30/03/09	Original Scale: As Shown @ A1	3.5.19 Rev A	Checked: TD	Date: 30/03/09	Date: 30/03/09	
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Profile Scales H = 1:2,500 V = 1:250

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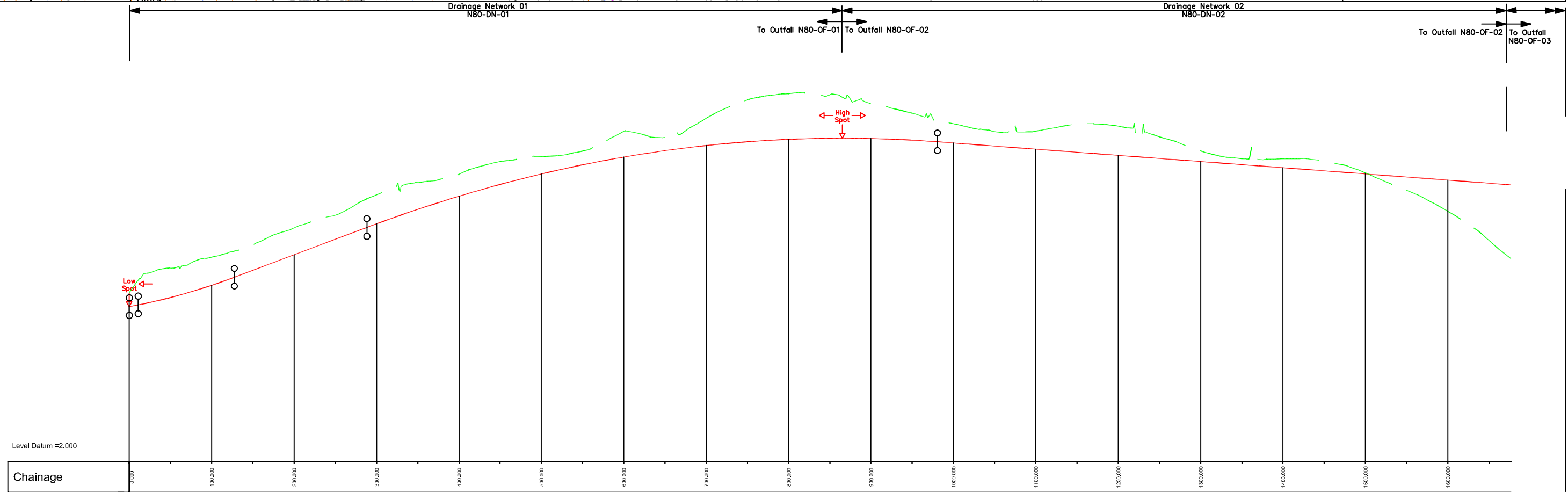
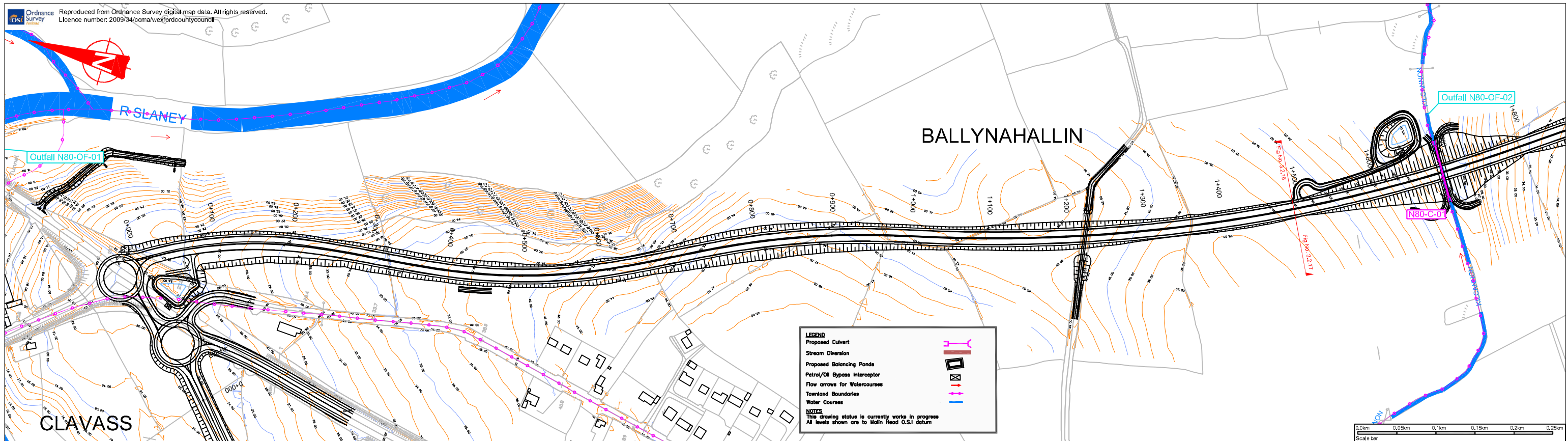
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Project: M11 Gorey to Enniscorthy			
Component: EIS Fig 3.5.20 Drainage Outfalls & Culverts			
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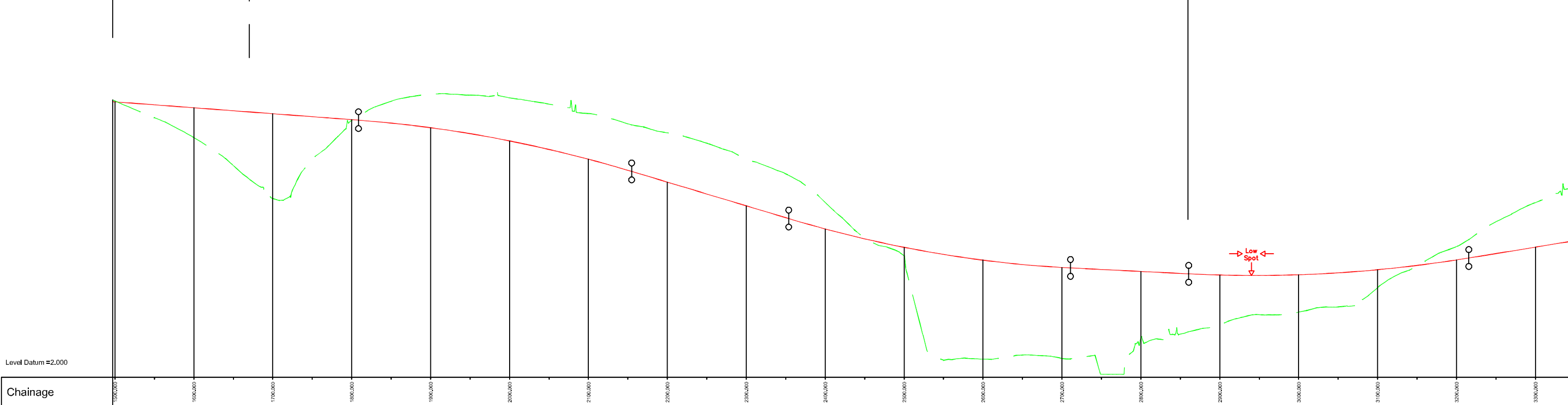
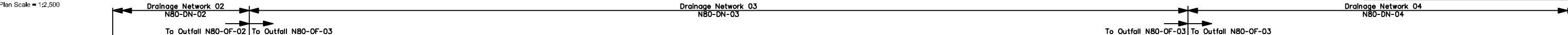
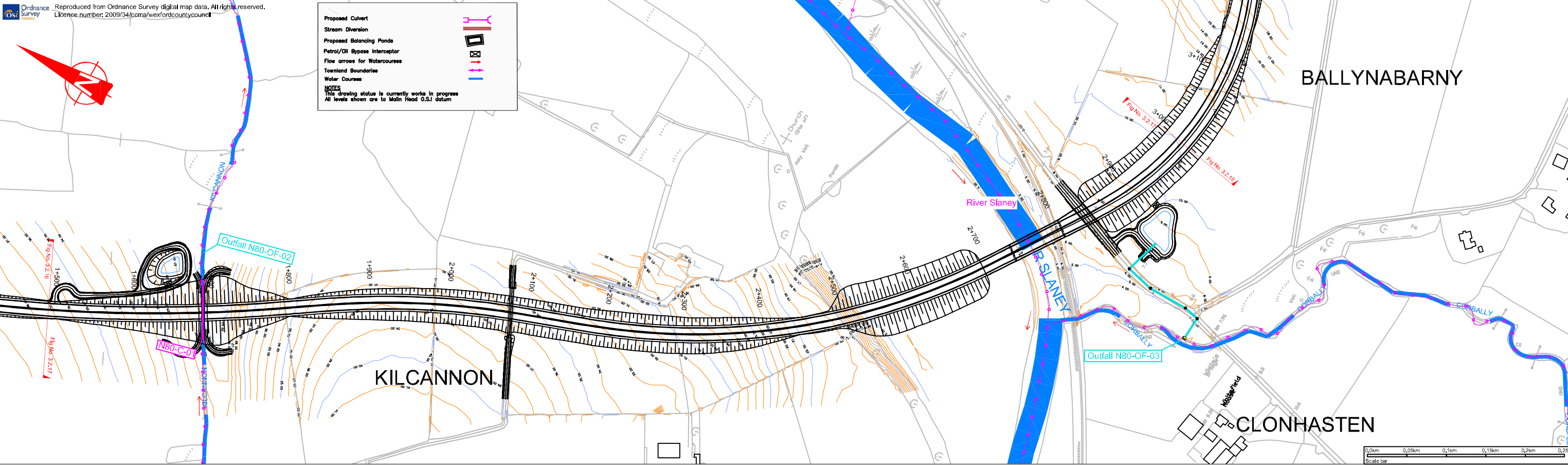


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Rev	By	Date	Description																																																							
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Component: EIS Fig 3.5.21 Drainage Outfalls & Culverts																																																										
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Profile Scales H = 1:2,500 V = 1:250



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A	DD	22/04/09	Updated Alignment

**Project:** M11 Gorey to Enniscorthy

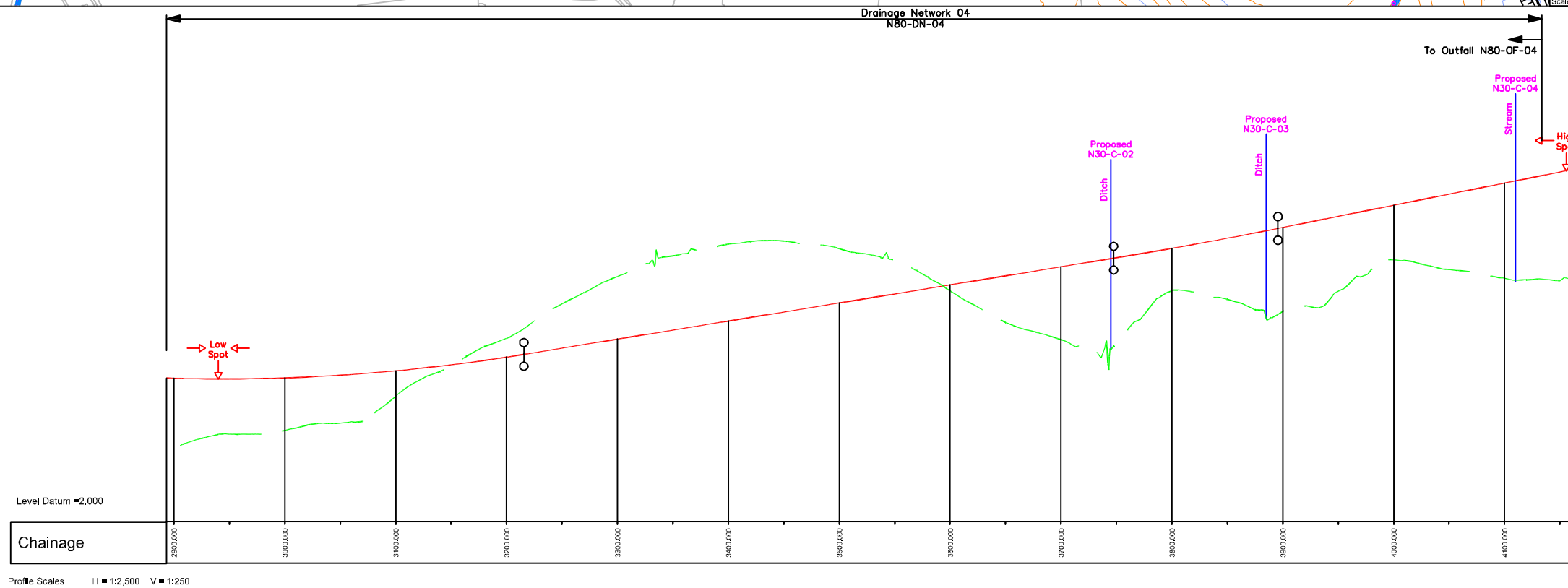
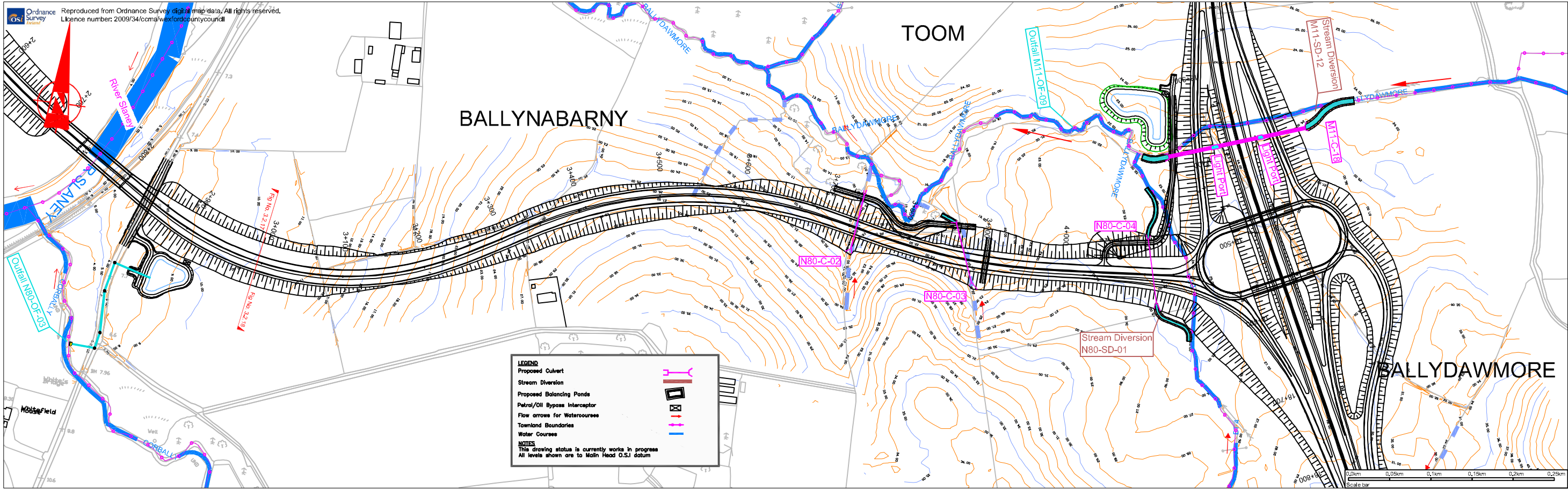
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**Title:** N80 Link Road - Ch. 1495m to 2990m - Sheet 2 of 3

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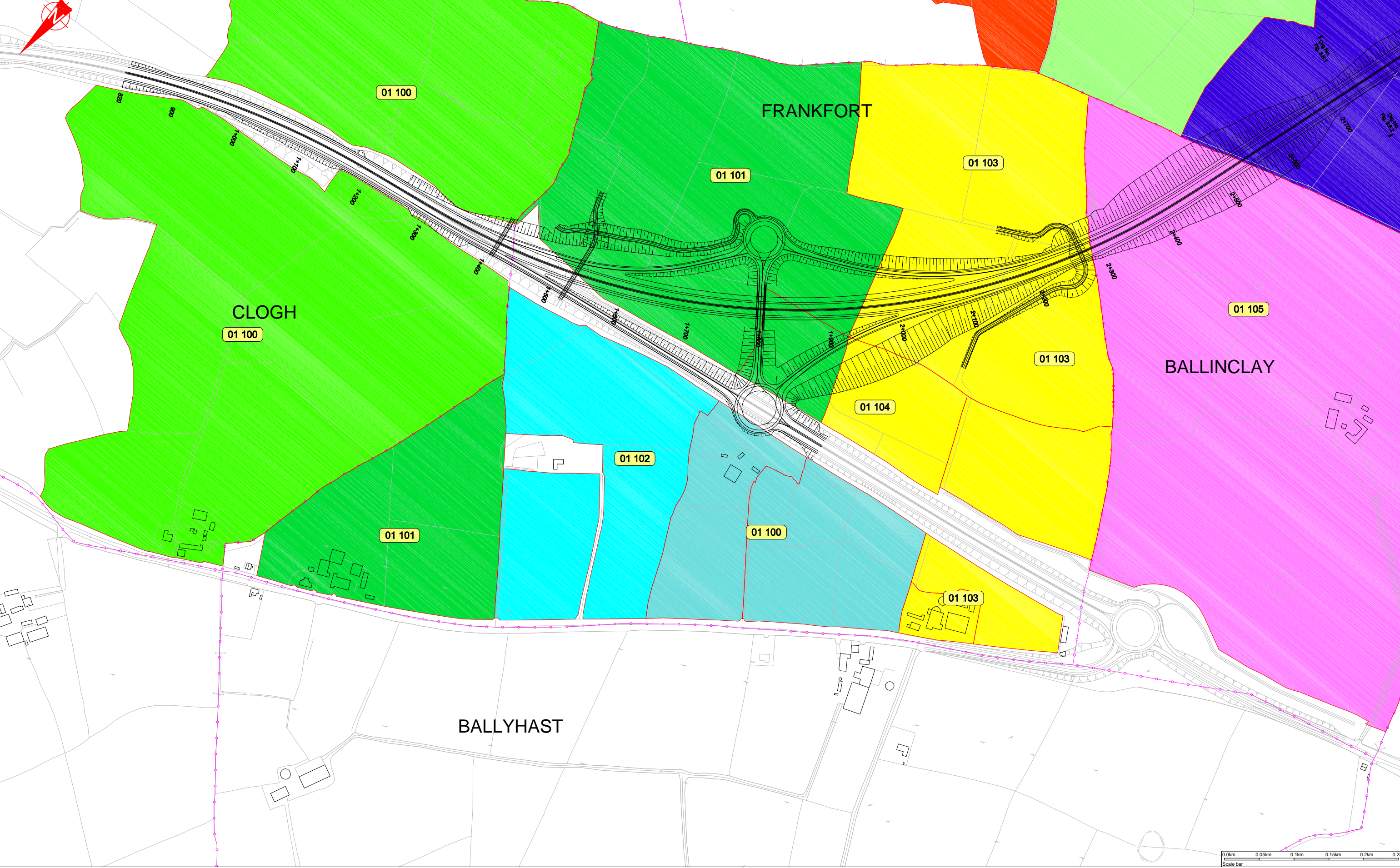




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Project: M11 Gorey to Enniscorthy			
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Title: N80 Link Road - Ch. 2990m to End - Sheet 3 of 3			
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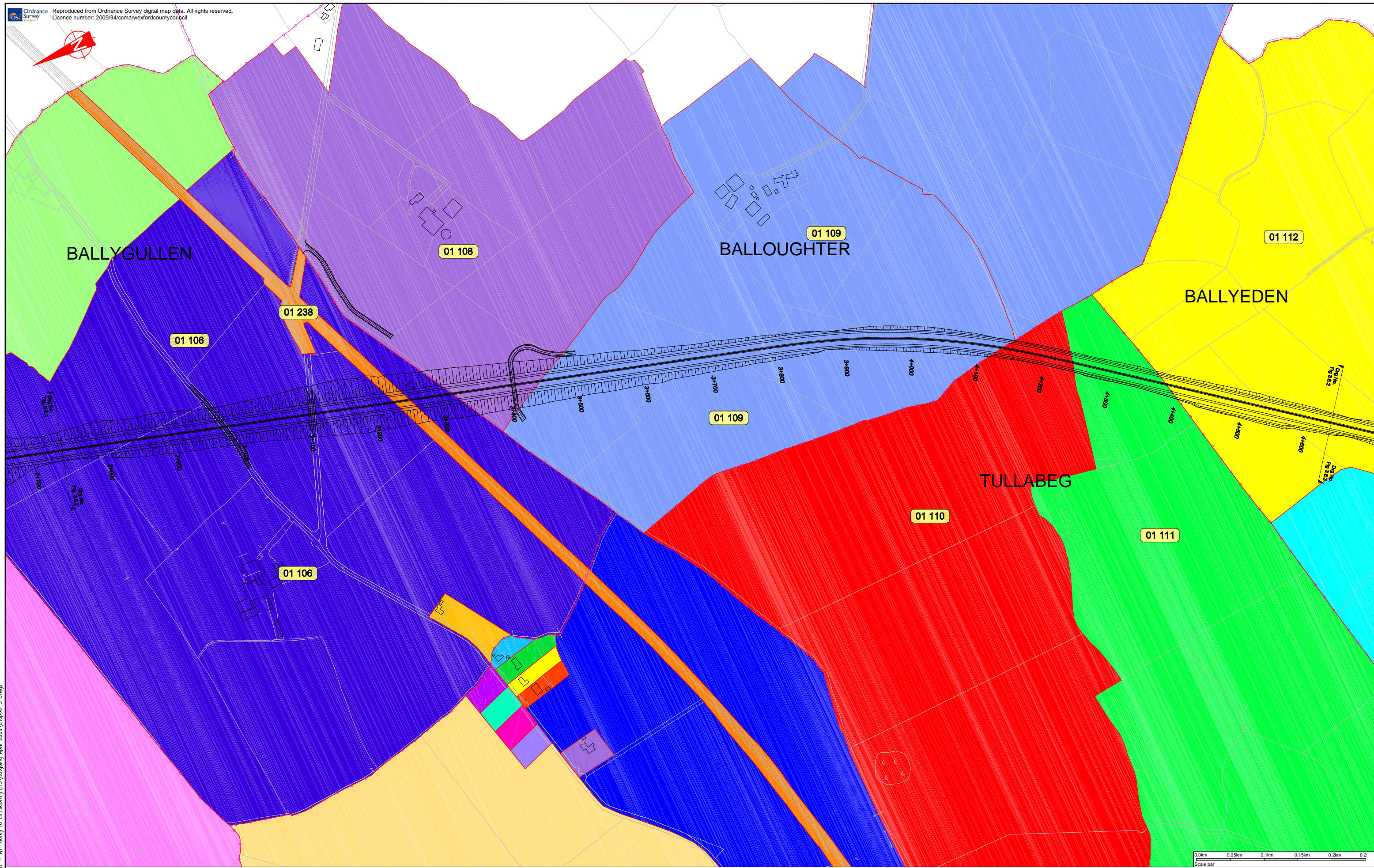
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Title: M11 Mainline - Start to Ch. 2730m - Sheet 1 of 15

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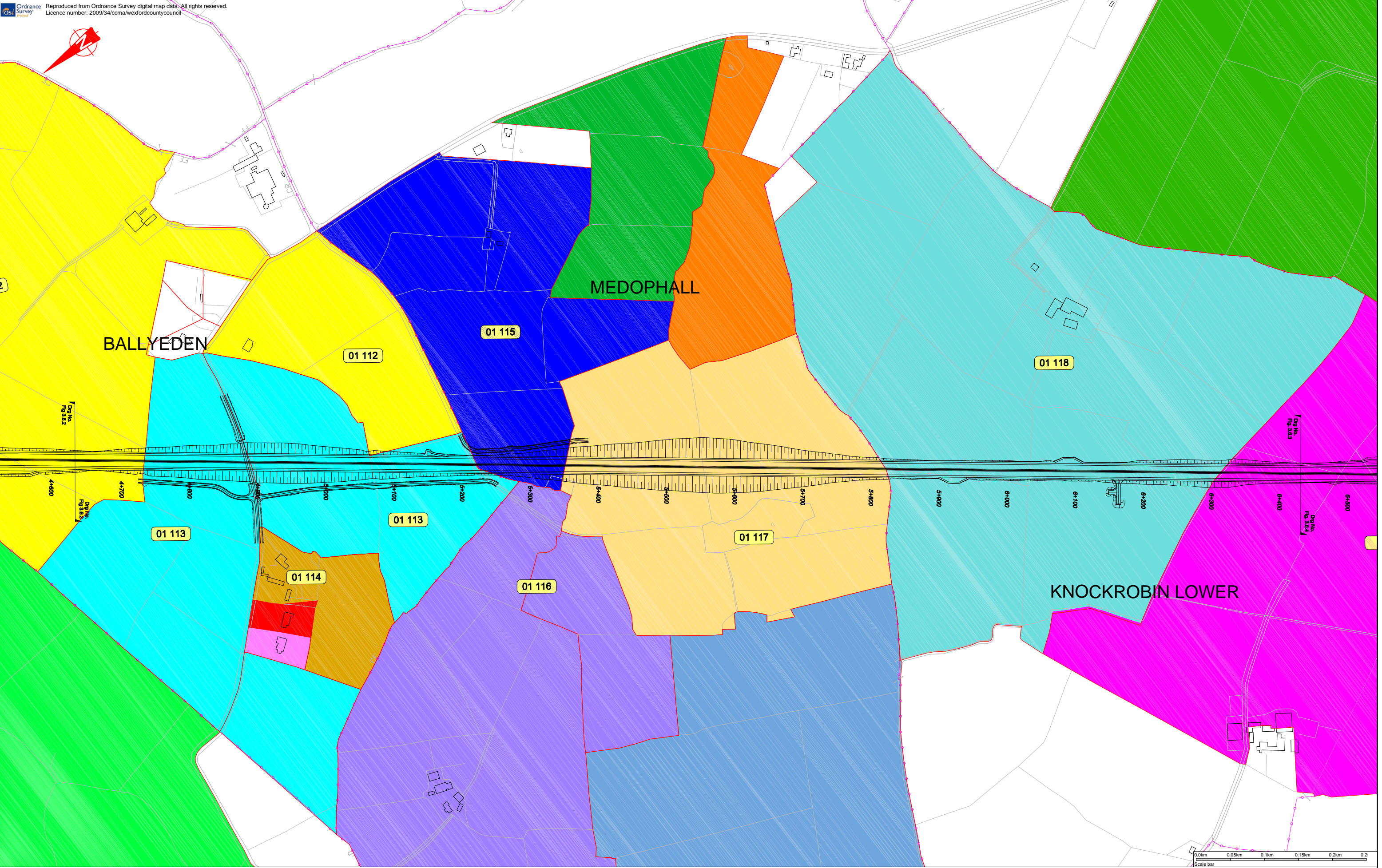
Project: M11 Gorey to Enniscorthy Scheme

Component: EIS - Landowner Drawings

Title: M11 Mainline - Ch. 2730m to 4630m - Sheet 2 of 15

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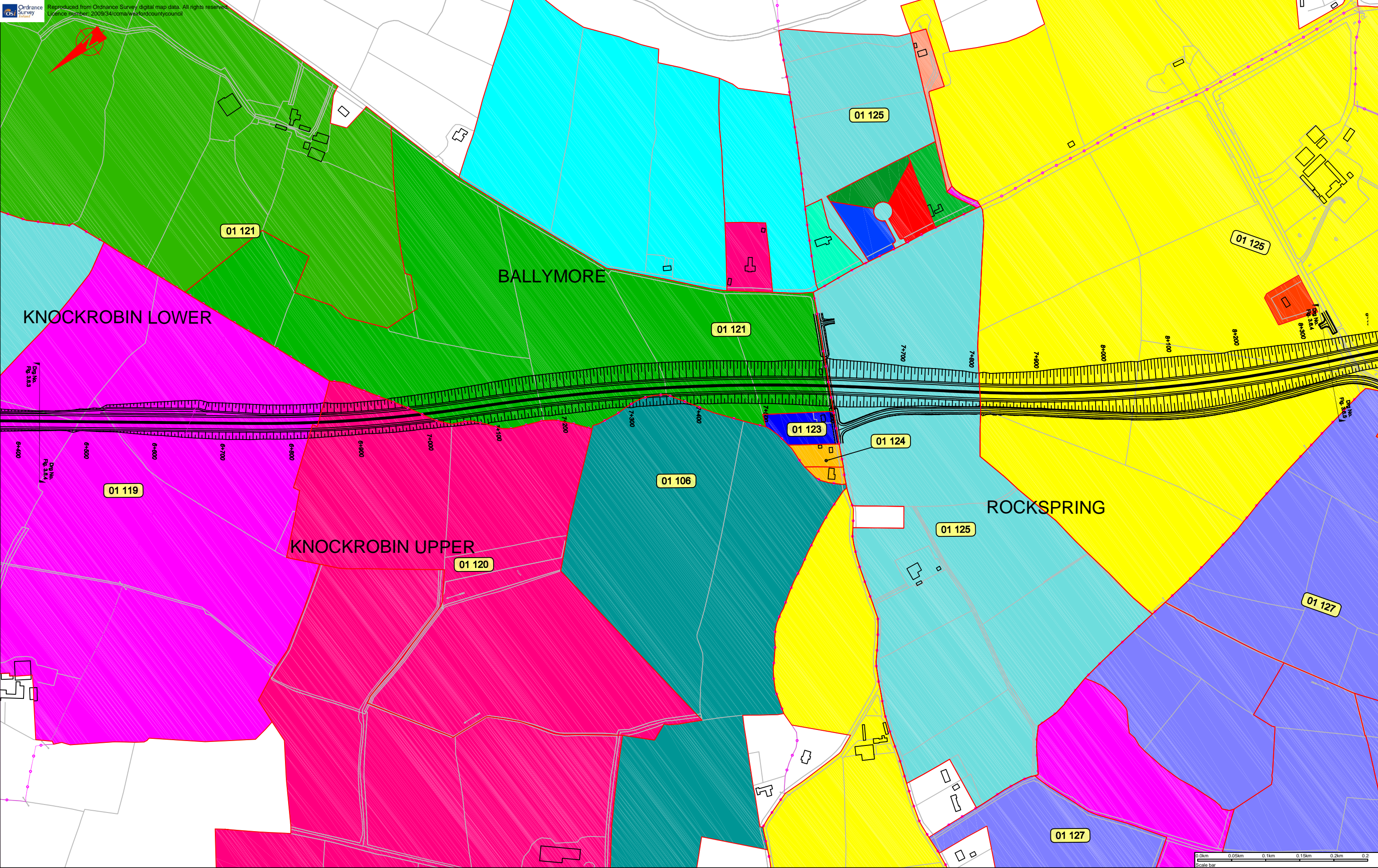
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Title: M11 Mainline - Ch. 4630m to 6430m - Sheet 3 of 15

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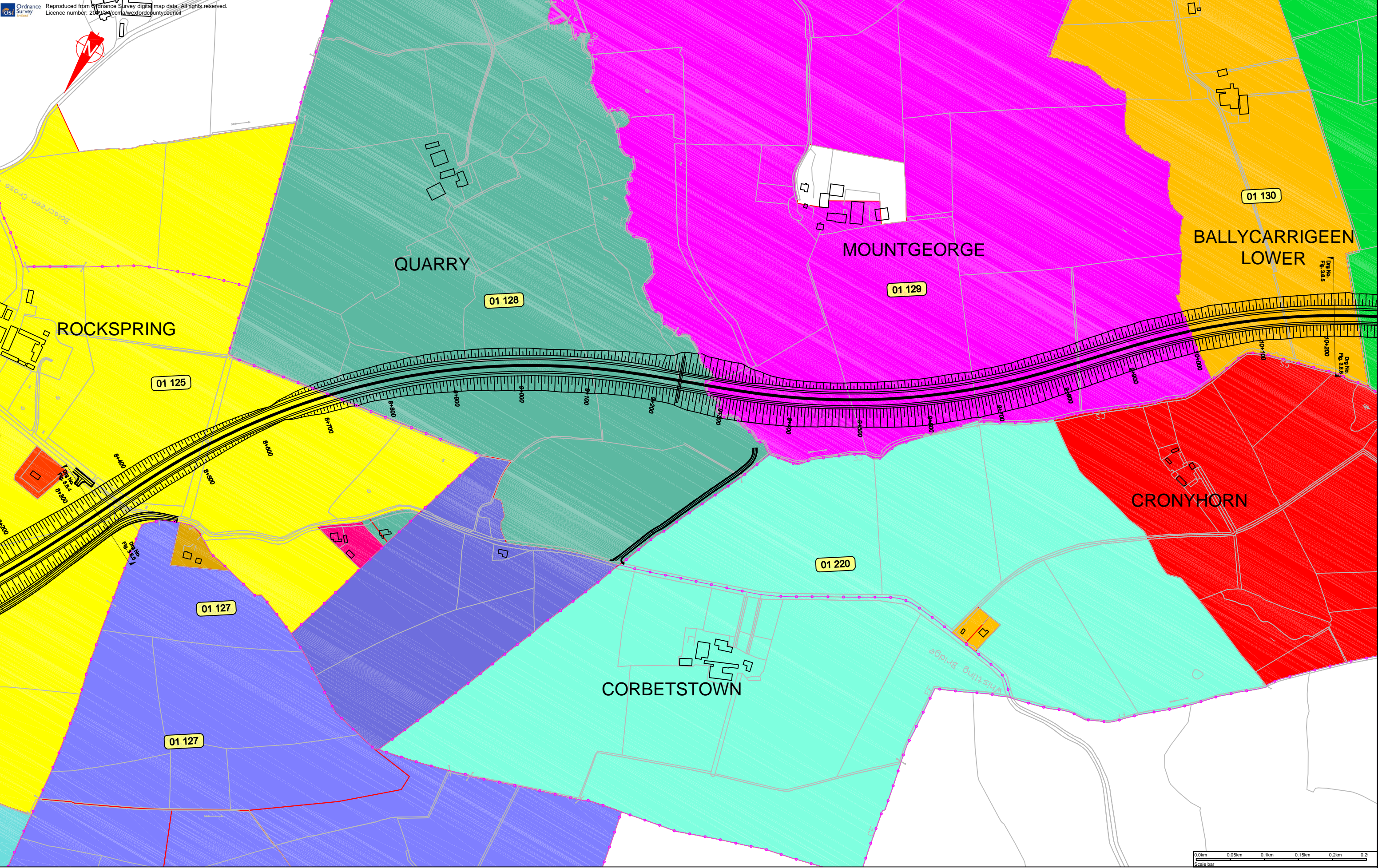
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Project: M11 Gorey to Enniscorthy Scheme			
Component: EIS - Landowner Drawings			
Title: M11 Mainline - Ch. 6430m to 8330m - Sheet 4 of 15			
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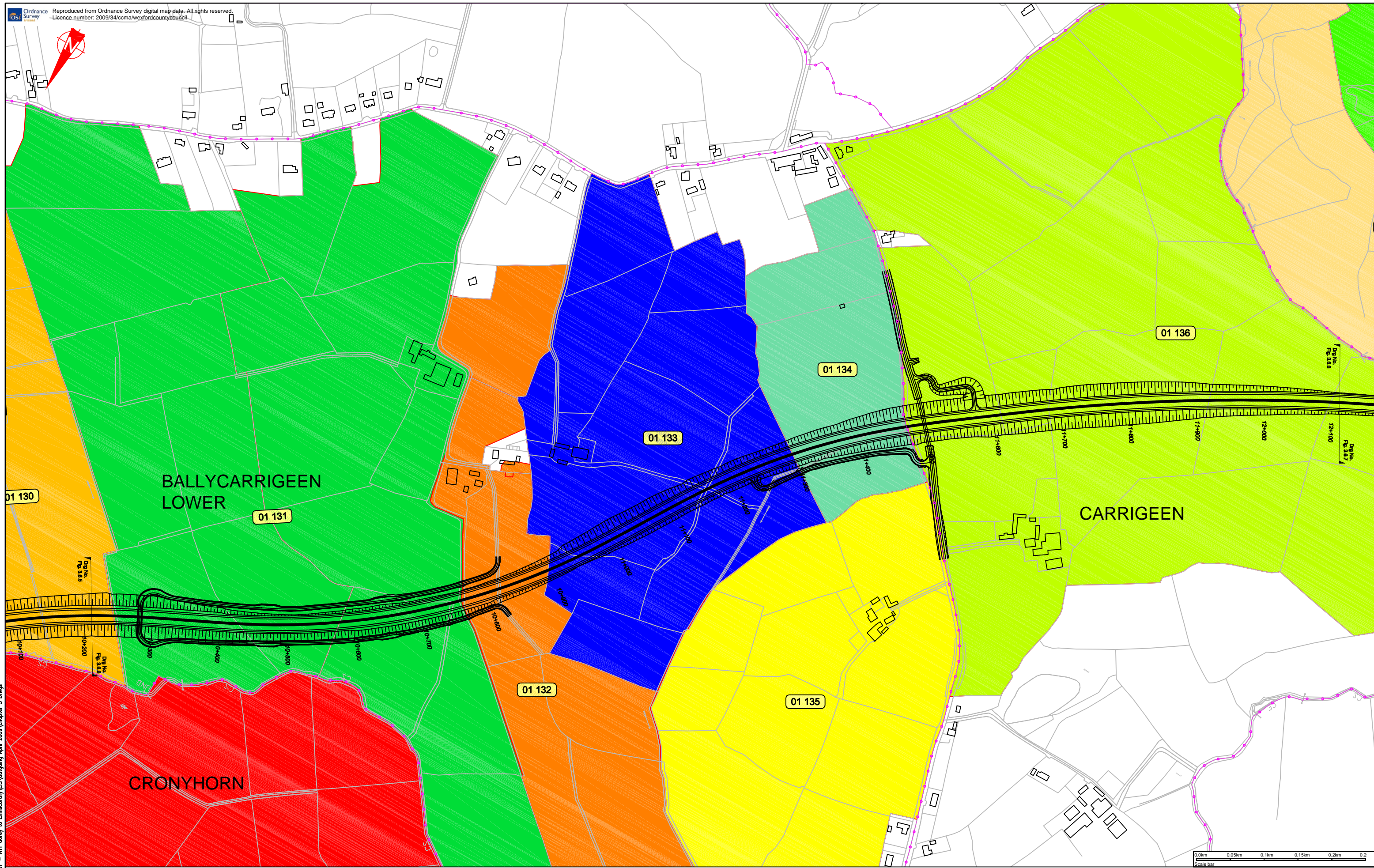
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Component: EIS - Landowner Drawings

Title: M11 Mainline - Ch. 8330m to 10210m - Sheet 5 of 15

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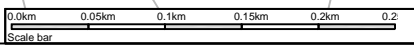
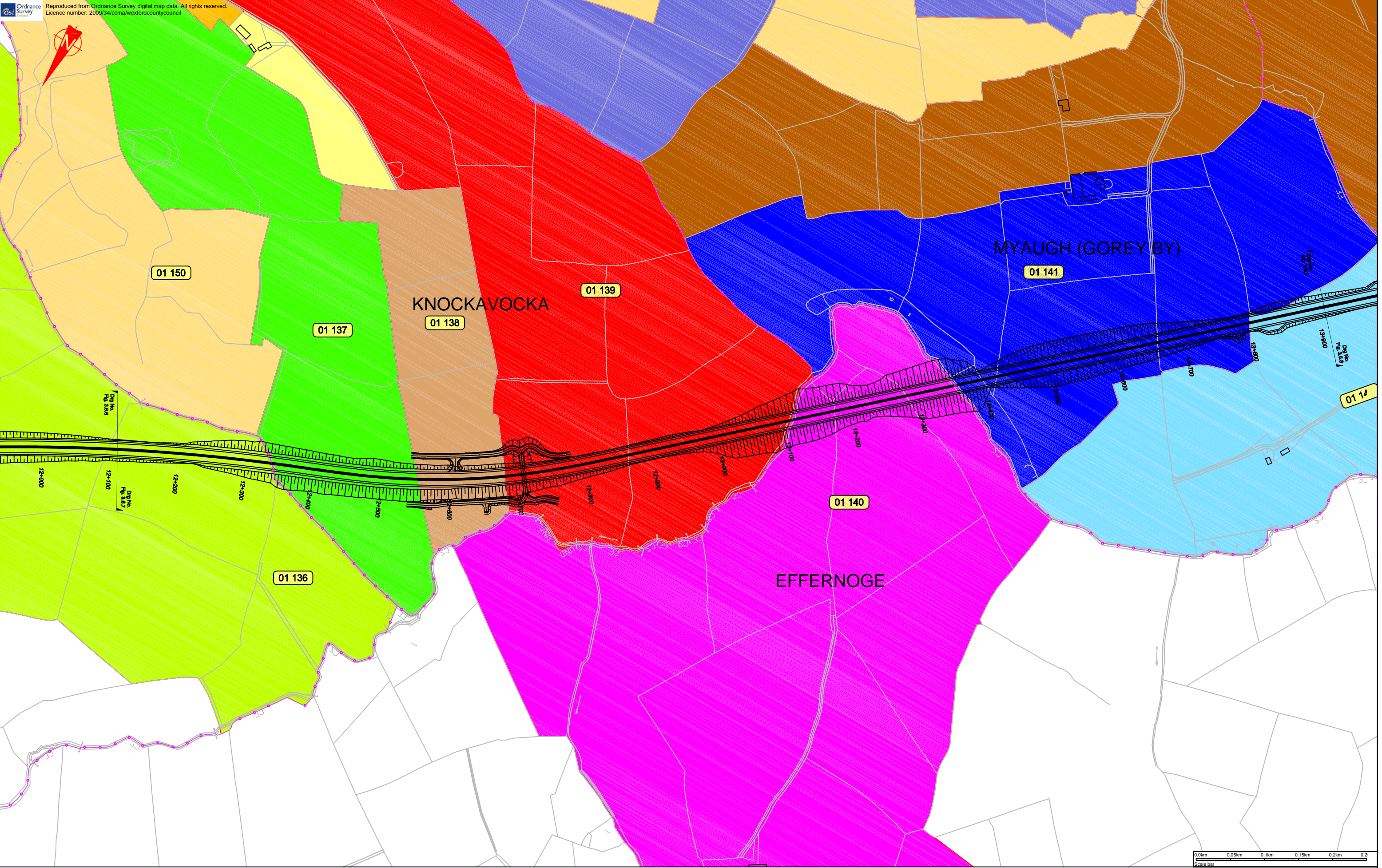
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Component: EIS - Landowner Drawings

Title: M11 Mainline - Ch. 10210m to 12110m - Sheet 6 of 15

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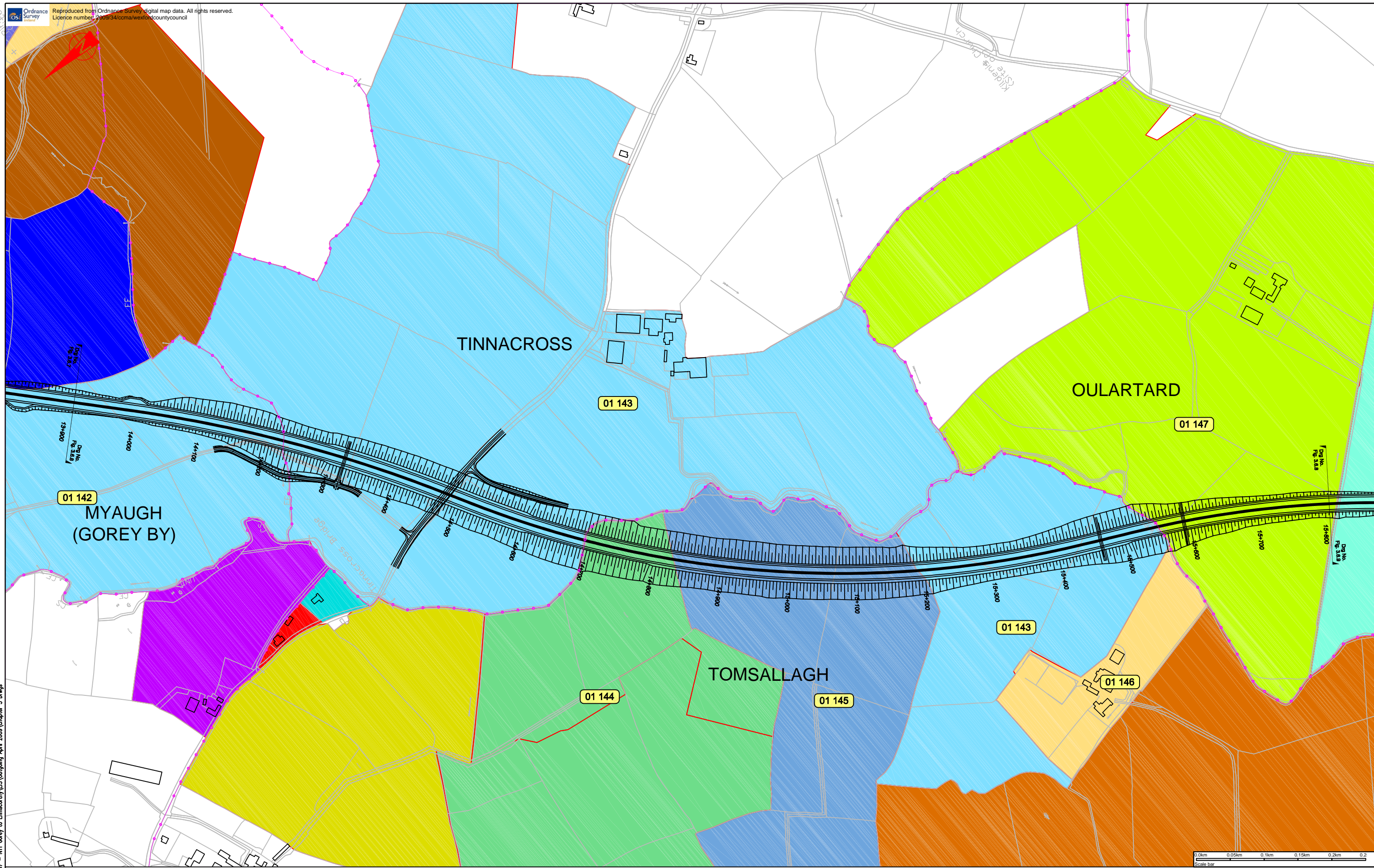
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Component: EIS - Landowner Drawings

Title: M11 Mainline - Ch. 12110m to 13910m - Sheet 7 of 15

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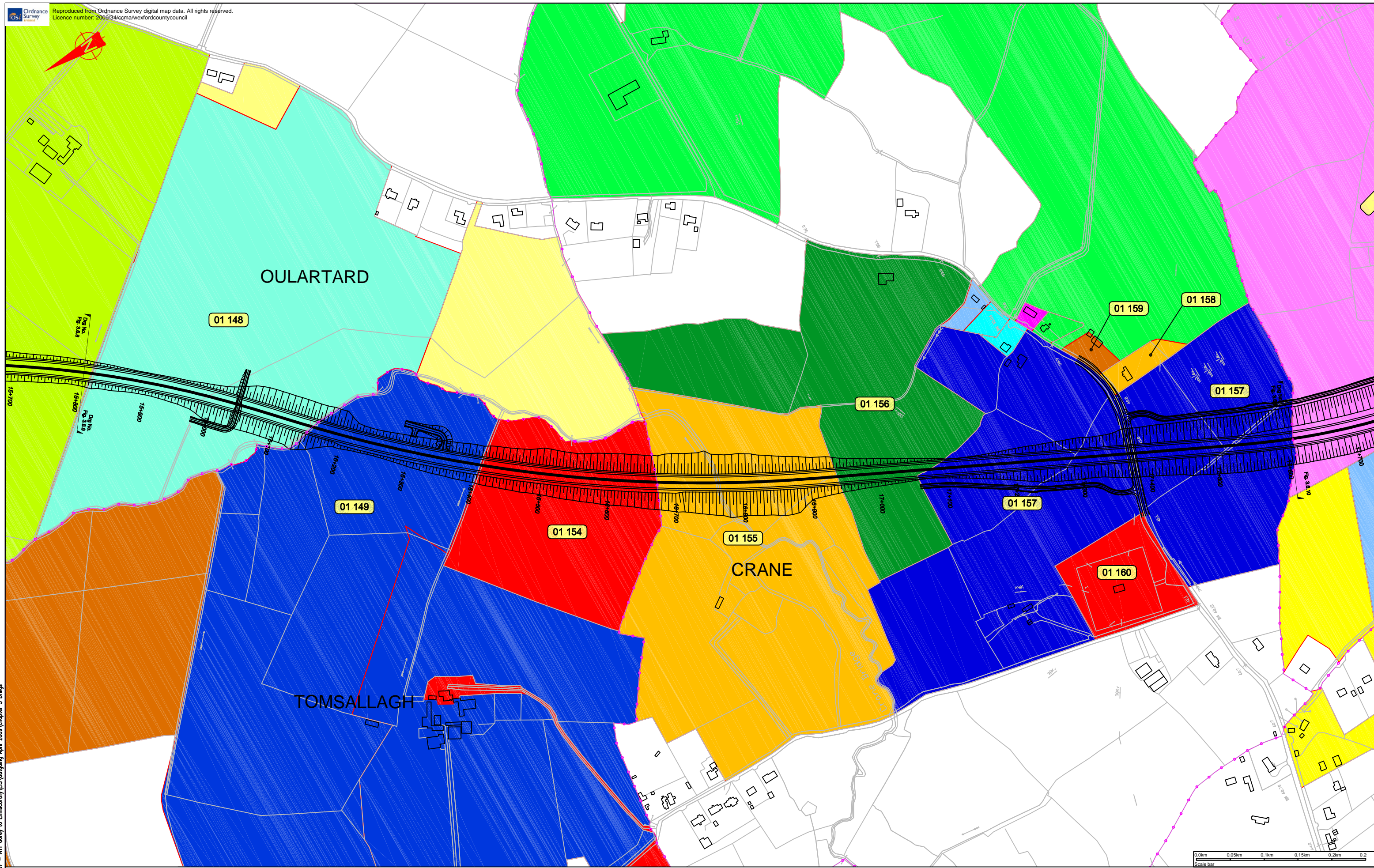
Project: M11 Gorey to Enniscorthy Scheme

Component: EIS - Landowner Drawings

Title: M11 Mainline - Ch. 13910m to 15805m - Sheet 8 of 15

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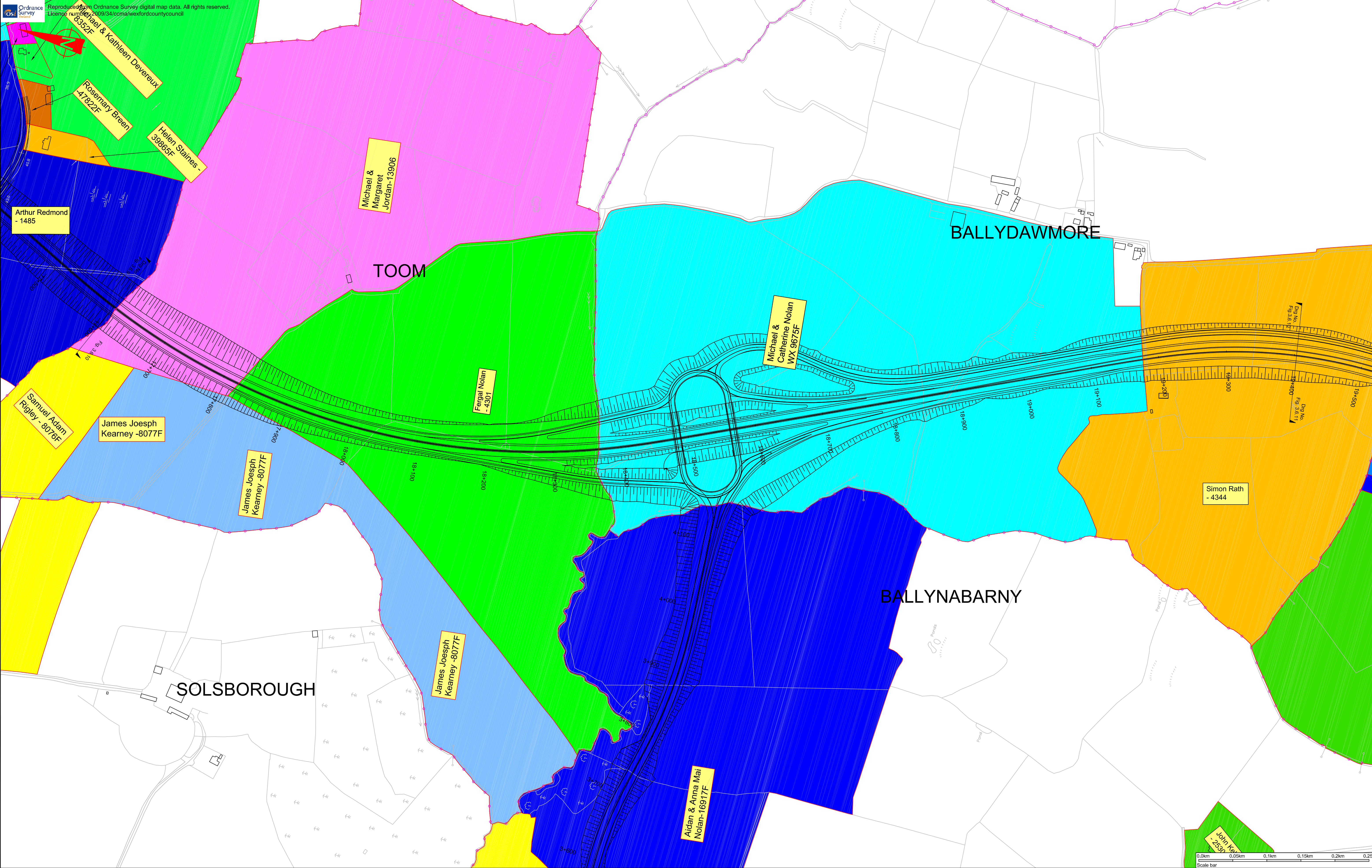
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Project: M11 Gorey to Enniscorthy Scheme			
Component: EIS - Landowner Drawings			
Title: M11 Mainline - Ch. 15805m to 17610m - Sheet 9 of 15			
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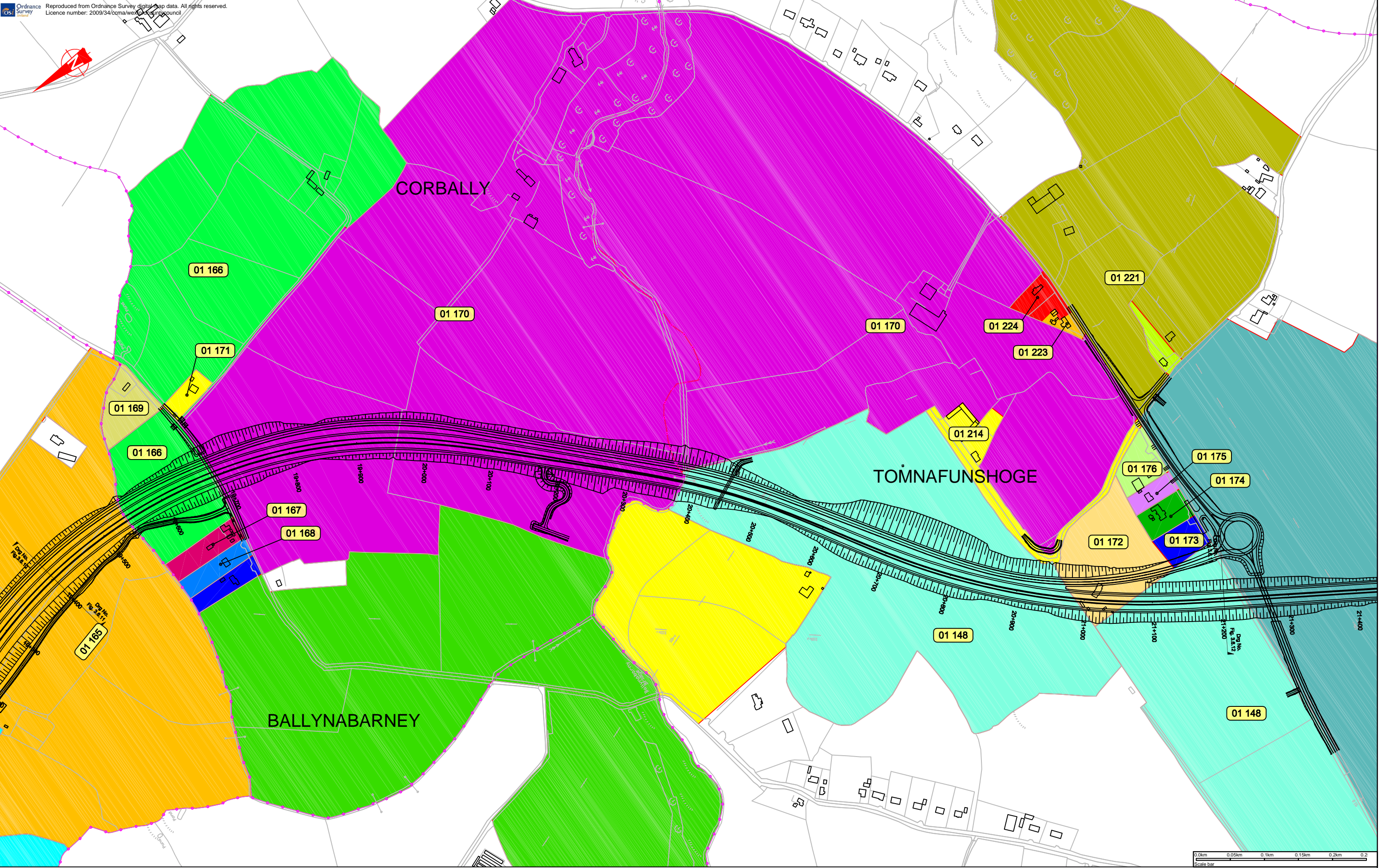
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Component: **EIS Landowner Drawings**

Title: **M11 Mainline - Ch. 17610m to 19400m - Sheet 10 of 15**

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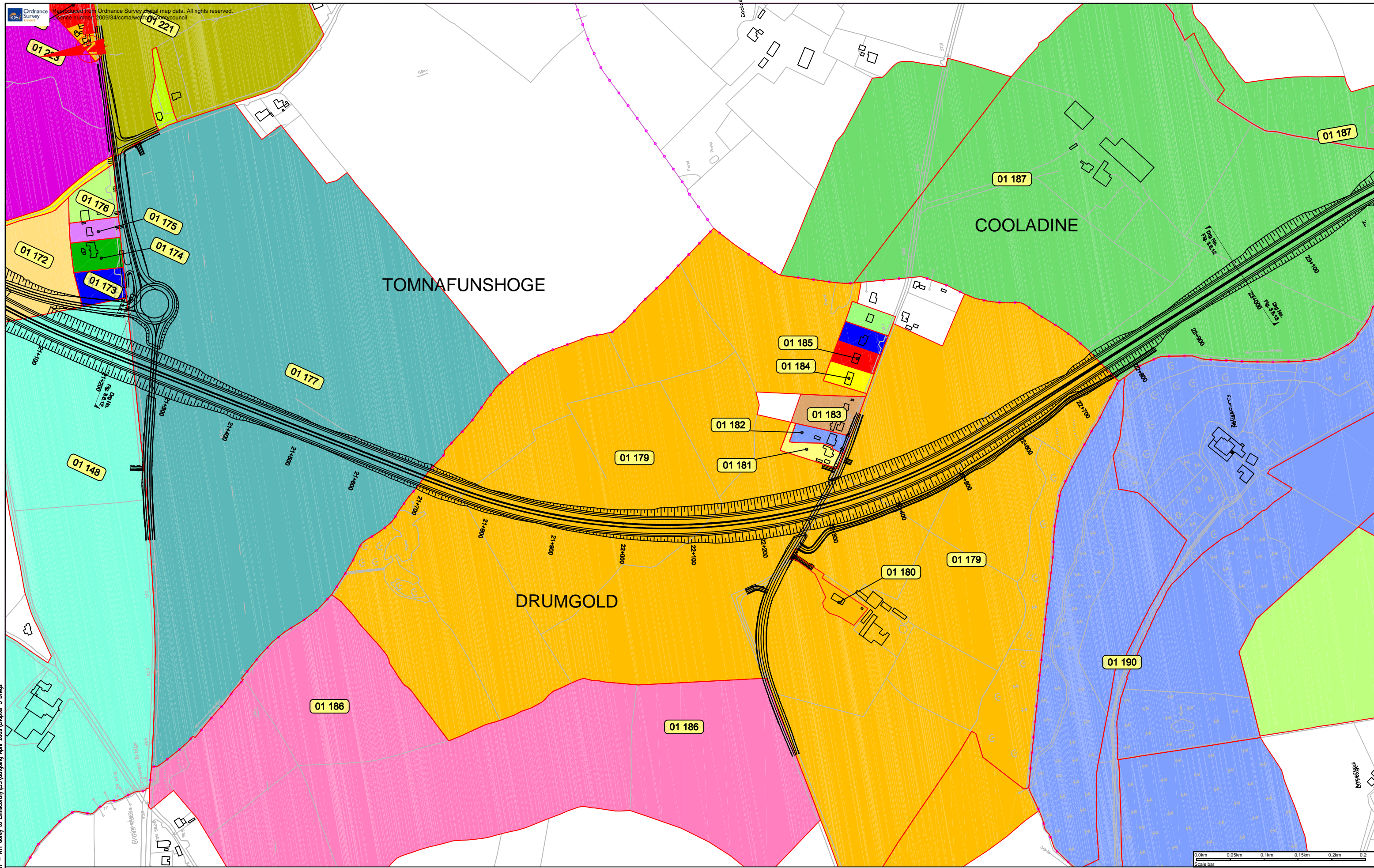
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Title: M11 Mainline - Ch. 19400m to 21200m - Sheet 11 of 15

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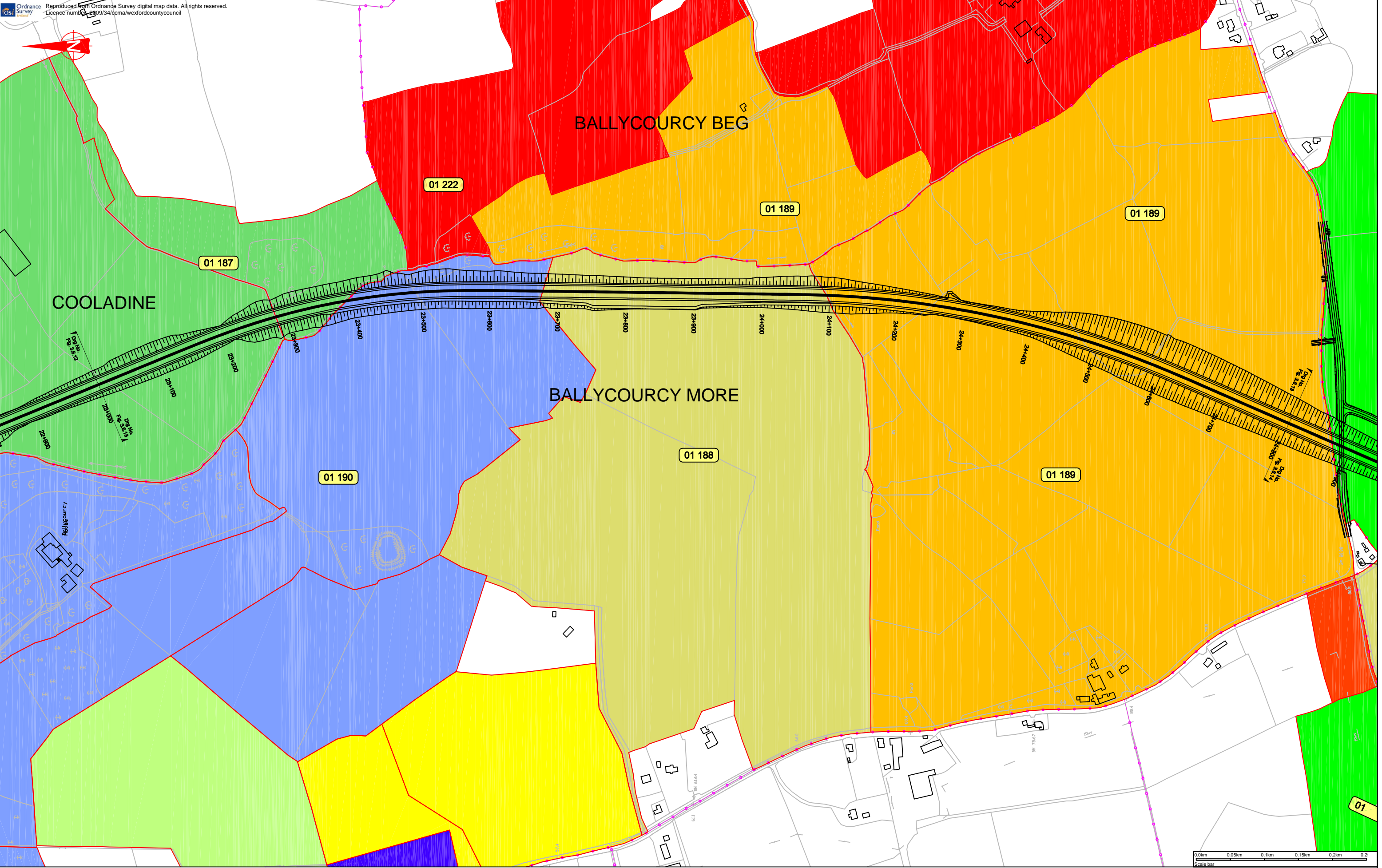
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Component: EIS - Landowner Drawings

Title: M11 Mainline - Ch. 21200m to 23000m - Sheet 12 of 15

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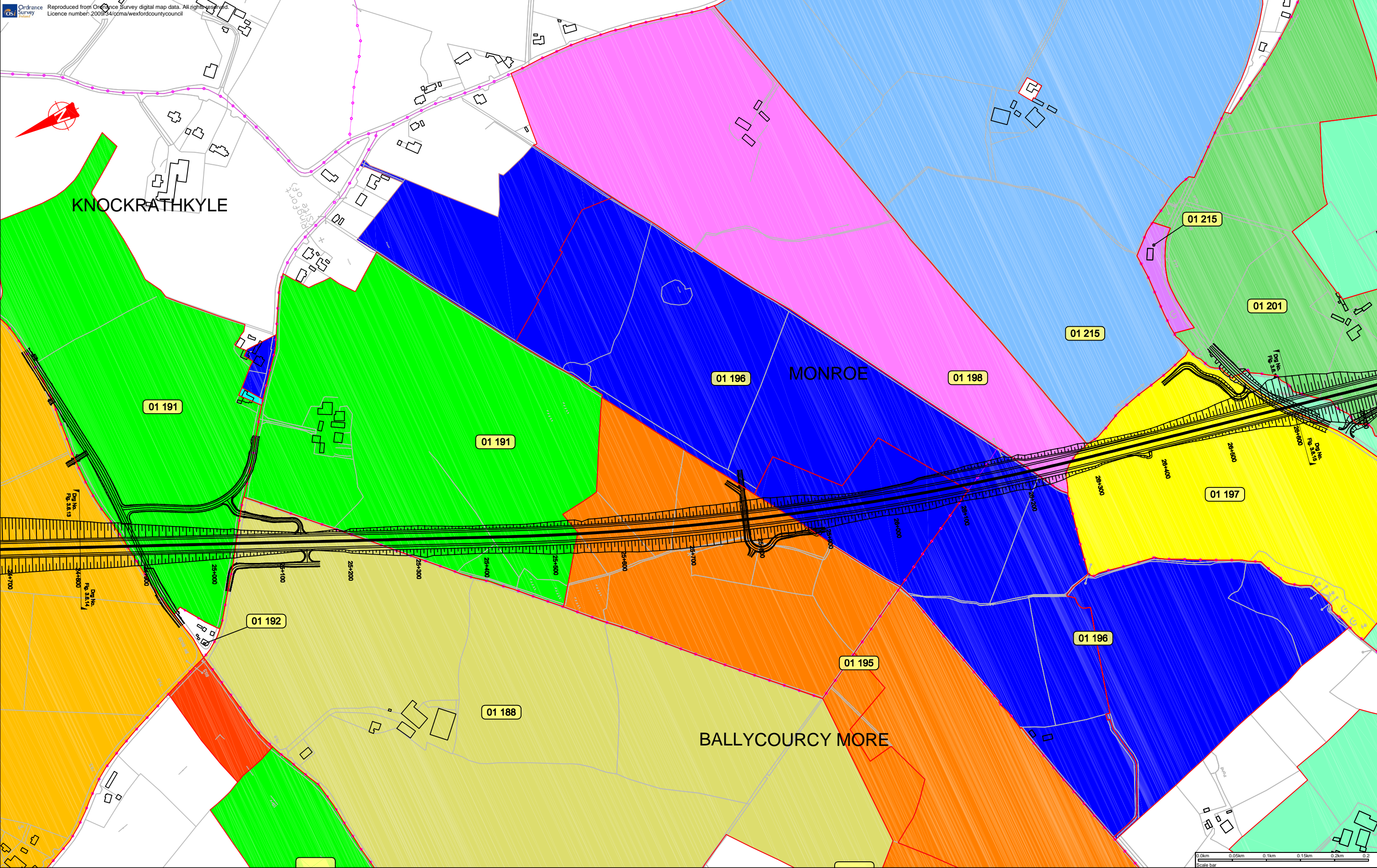
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Title: M11 Mainline - Ch. 23000m to 24800m - Sheet 13 of 15			
Designed: DB	Date: 06/05/09	File Name: Fig 3.6.13	Drawing No:
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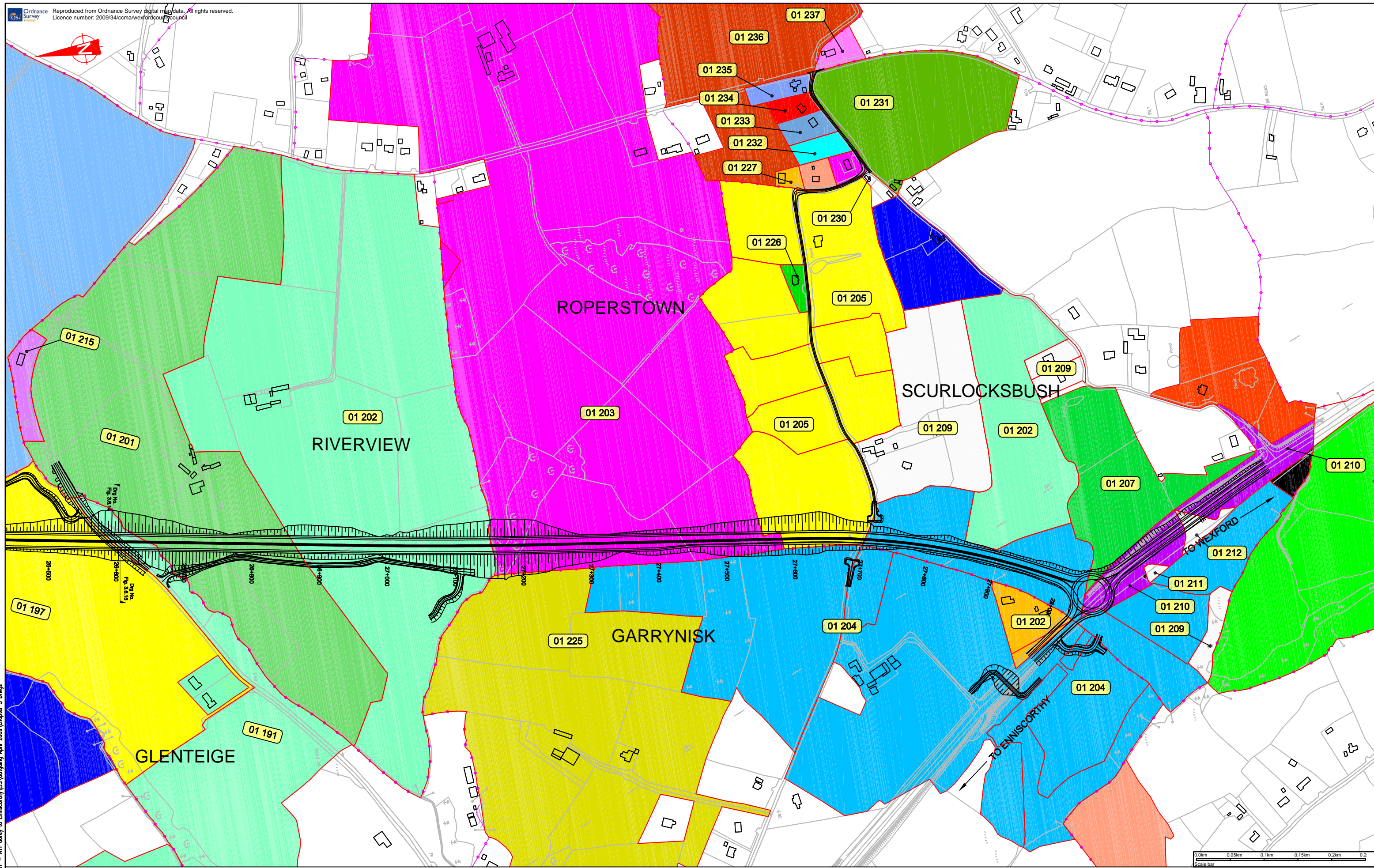




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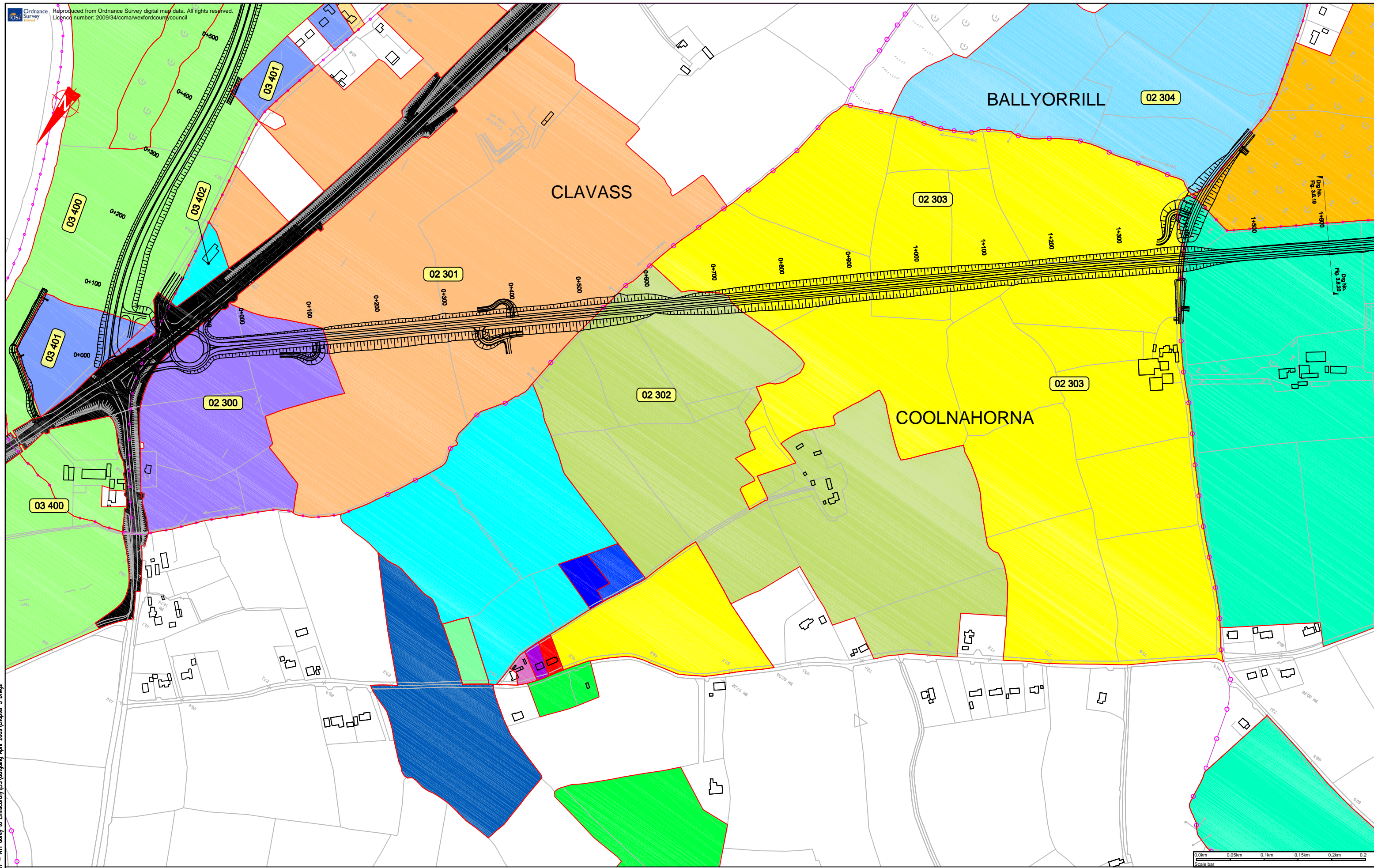
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Component: EIS - Landowner Drawings

Title: M11 Mainline - Ch. 26600m to End - Sheet 15 of 15

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Rev	By	Date	Description

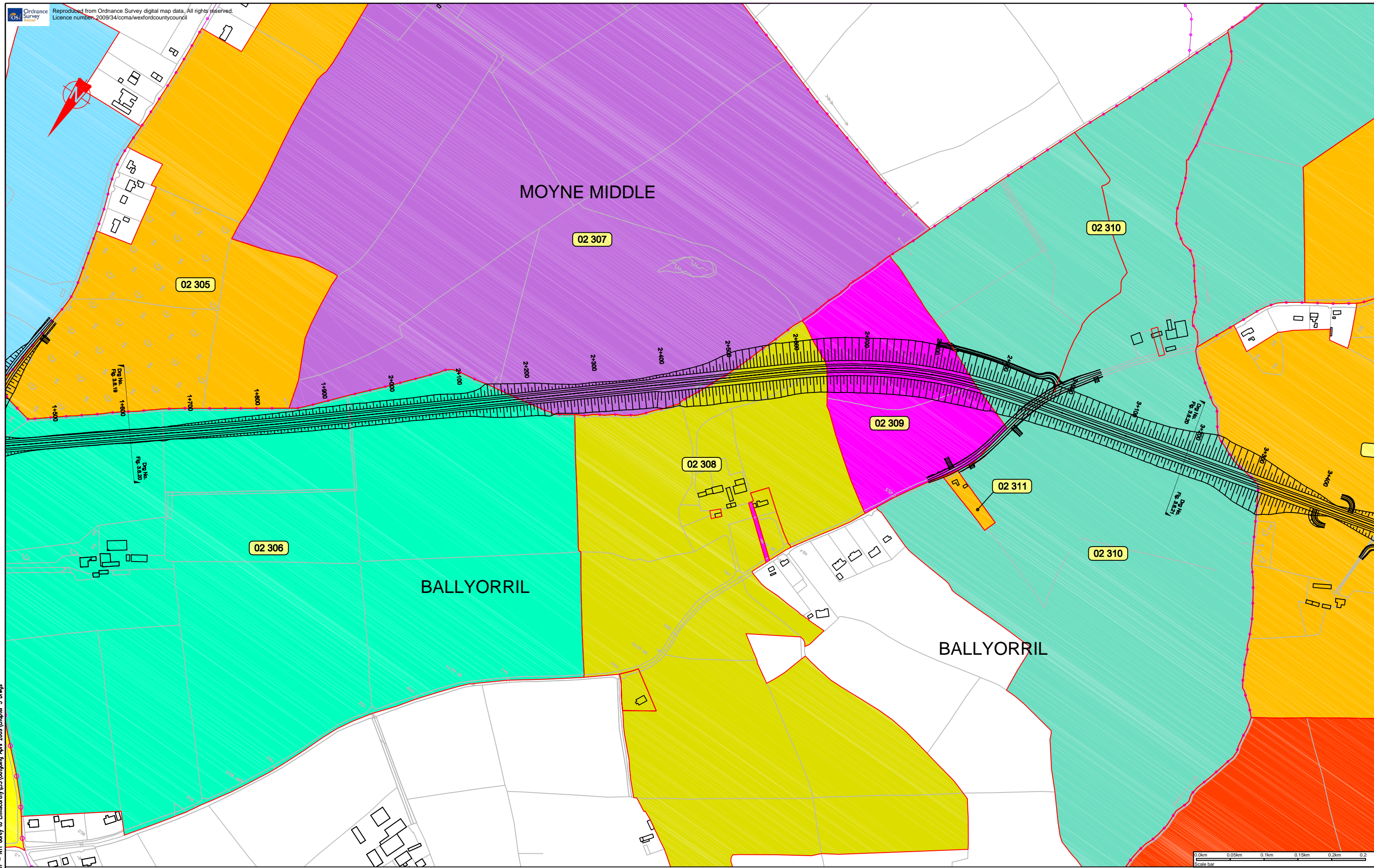
Project: M11 Gorey to Enniscorthy Scheme

Component: EIS - Landowner Drawings

Title: N30 Mainline - Start to Ch. 1610m - Sheet 1 of 5

Designed: DB	Date: 06/05/09	File Name: Fig 3.6.16	Drawing No:
Drawn: RH	Date: 06/05/09	Original Scale: 1:2500 @ A1	Fig 3.6.16
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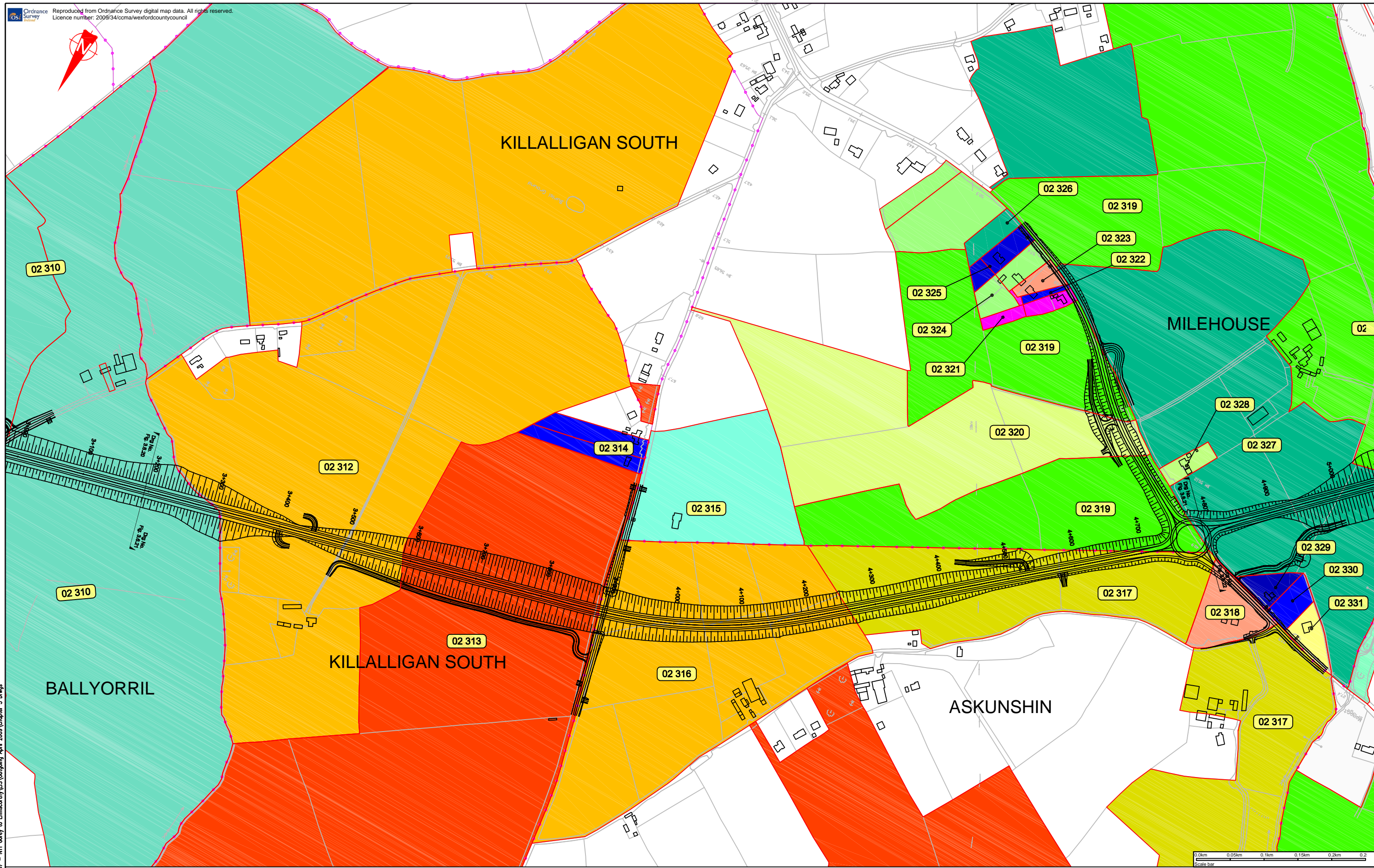
Project: M11 Gorey to Enniscorthy Scheme

Component: EIS - Landowner Drawings

Title: N30 Mainline - Ch. 1610m to 3195m - Sheet 2 of 5

Designed: DB	Date: 06/05/09	File Name: Fig 3.6.17	Drawing No:
Drawn: RH	Date: 06/05/09	Original Scale: 1:2500 @ A1	Fig 3.6.17
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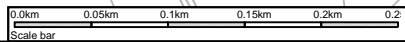
Project: M11 Gorey to Enniscorthy Scheme

Component: EIS - Landowner Drawings

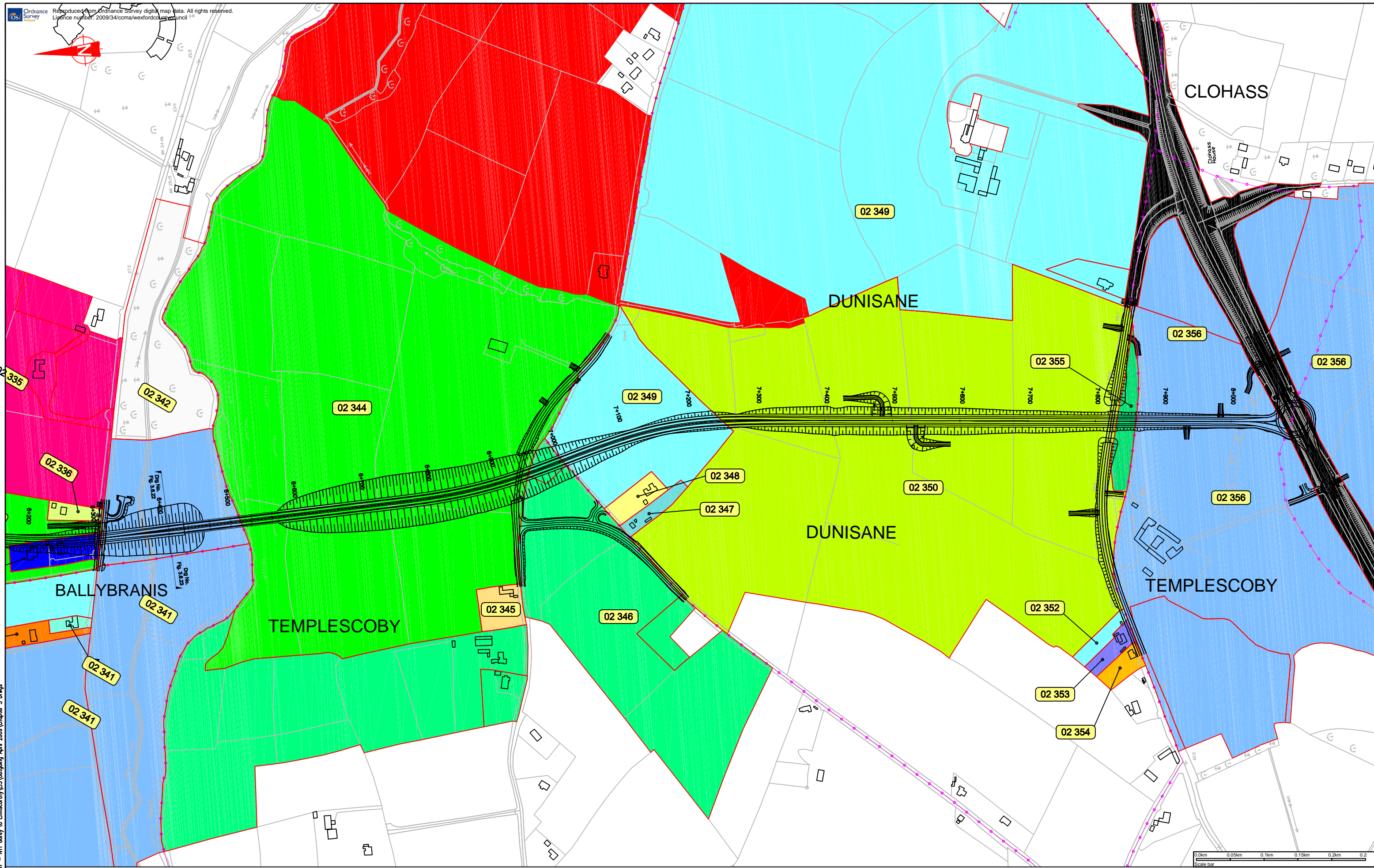
Title: N30 Mainline - Ch. 3195m to 4800m - Sheet 3 of 5

Designed: DB	Date: 06/05/09	File Name: Fig 3.6.18	Drawing No:
Drawn: RH	Date: 06/05/09	Original Scale: 1:2500 @ A1	Fig 3.6.18
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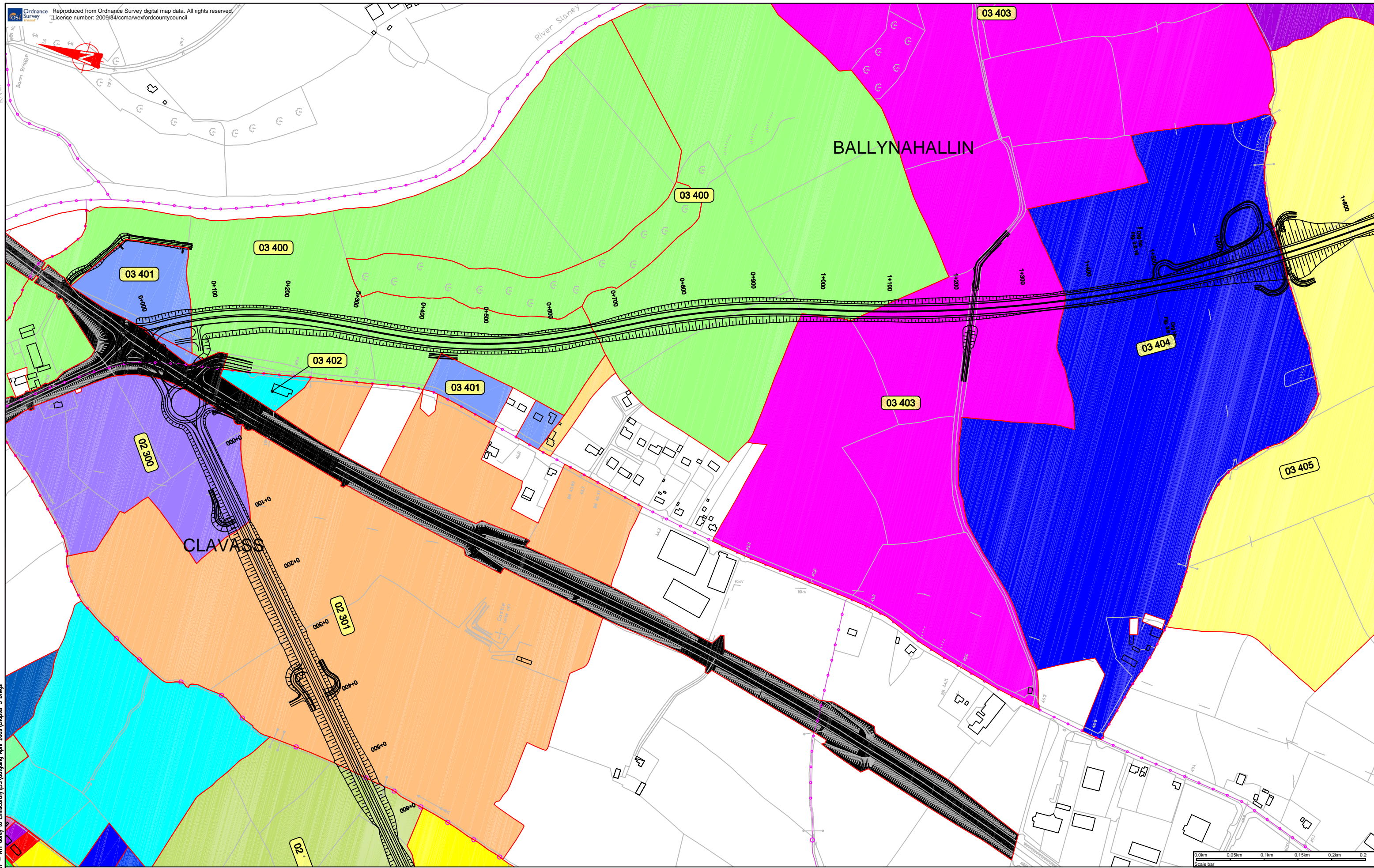
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Component: EIS - Landowner Drawings

Title: N30 Mainline - Ch. 6410m to End - Sheet 5 of 5

Designed: DB	Date: 06/05/09	File Name: Fig 3.6.20	Drawing No:
Drawn: RH	Date: 06/05/09	Original Scale: 1:2500 @ A1	Fig 3.6.20
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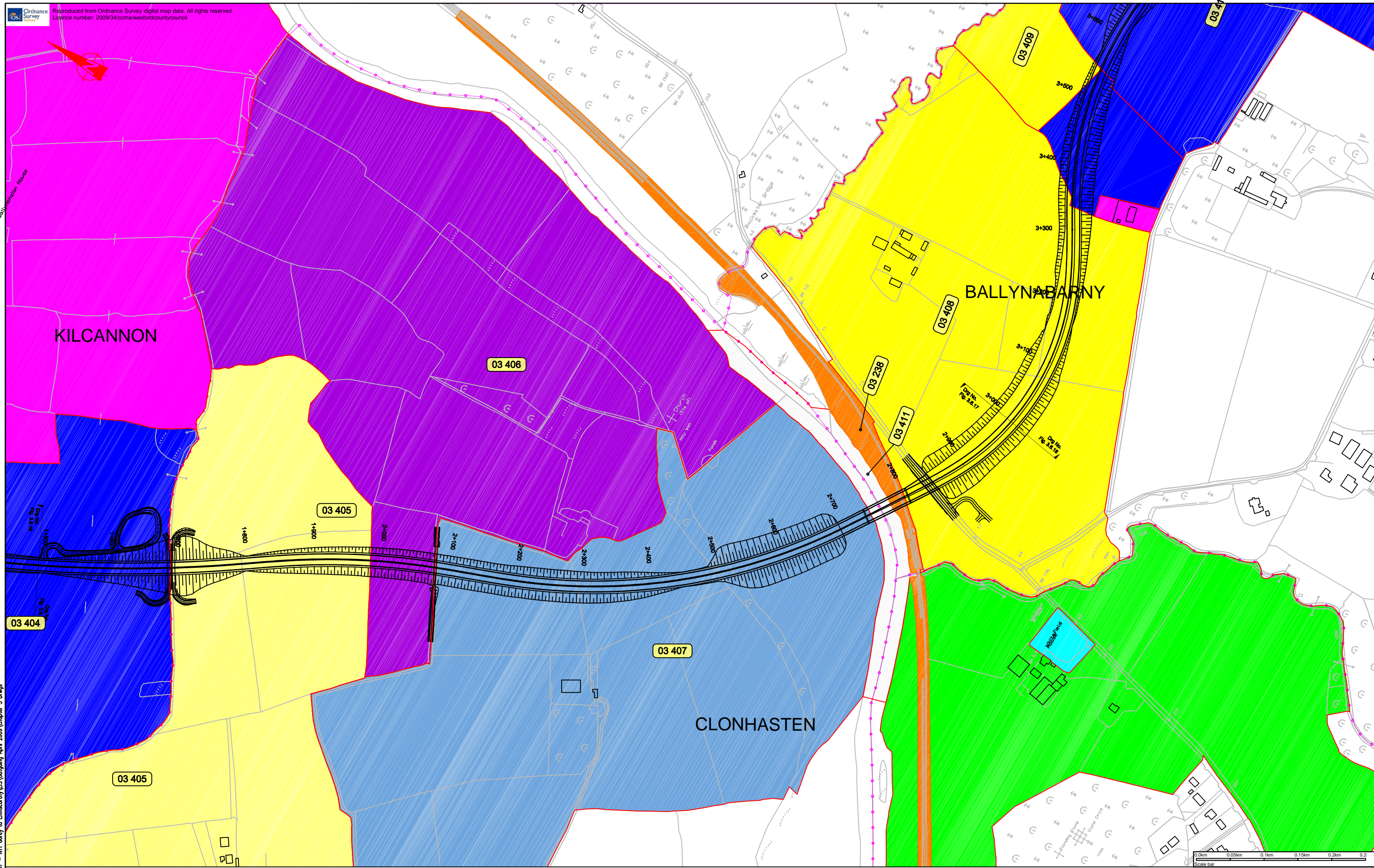
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Component: EIS - Landowner Drawings

Title: N80 Link Road - Start to Ch. 1495m - Sheet 1 of 3

Designed: DB	Date: 06/05/09	File Name: Fig 3.6.20	Drawing No:
Drawn: RH	Date: 06/05/09	Original Scale: 1:2500 @ A1	Fig 3.6.21
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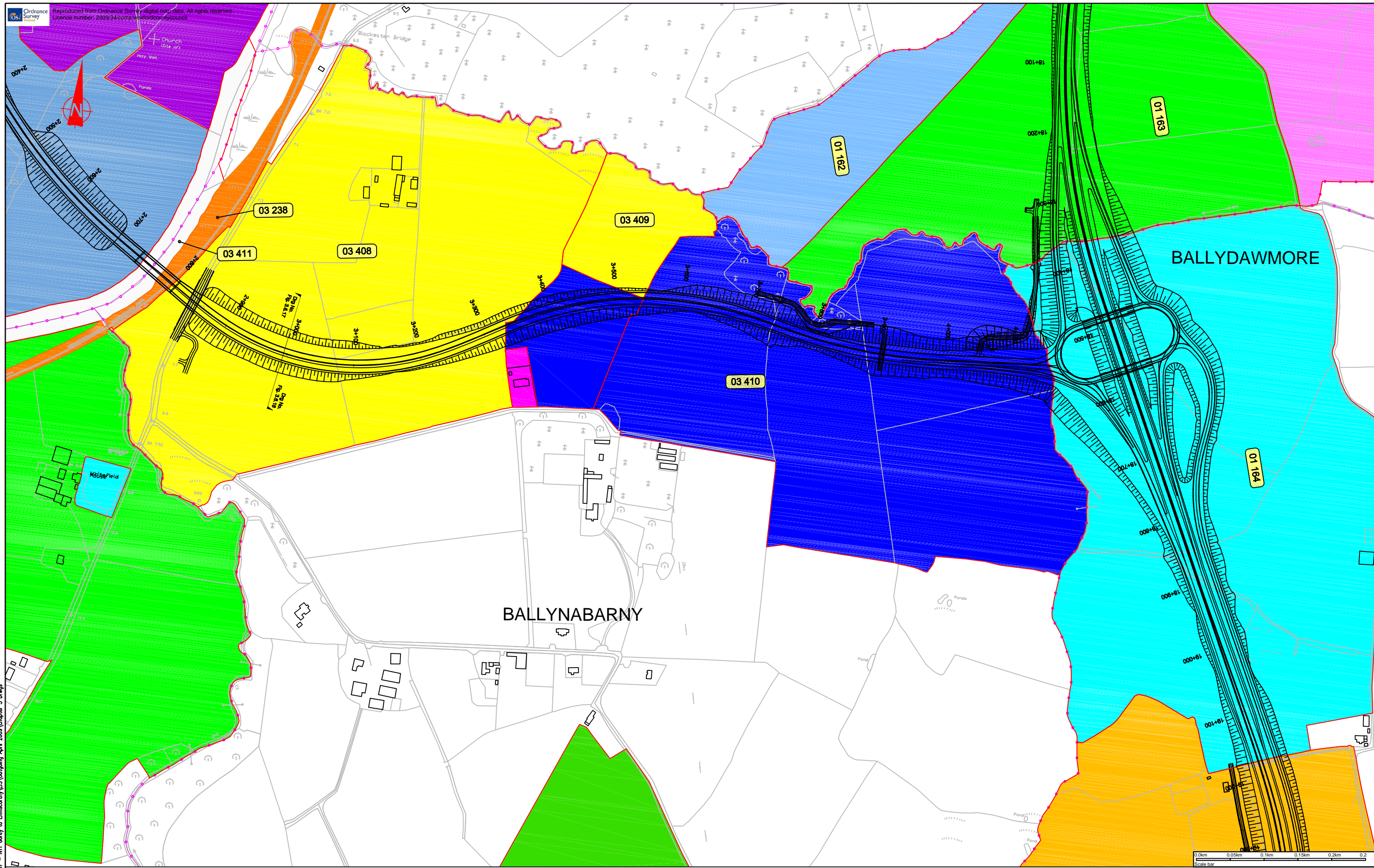
Project: M11 Gorey to Enniscorthy Scheme

Component: EIS - Landowner Drawings

Title: N80 Link Road - Ch. 1495m to 2990m - Sheet 2 of 3

Designed: DB	Date: 06/05/09	File Name: Fig 3.6.22	Drawing No:
Drawn: RH	Date: 06/05/09	Original Scale: 1:2500 @ A1	Fig 3.6.22
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Title: N80 Link Road - Ch. 2990m to End - Sheet 3 of 3

Designed: DB	Date: 06/05/09	File Name: Fig 3.6.23	Drawing No:
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