

Key  
 Road Side Interview Site

Ver	Amendment	By	Checked	Approved	Date
Drawn					
VH			MLK	JCM	11/01/08

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Client  
**A31 Magherafelt Bypass**

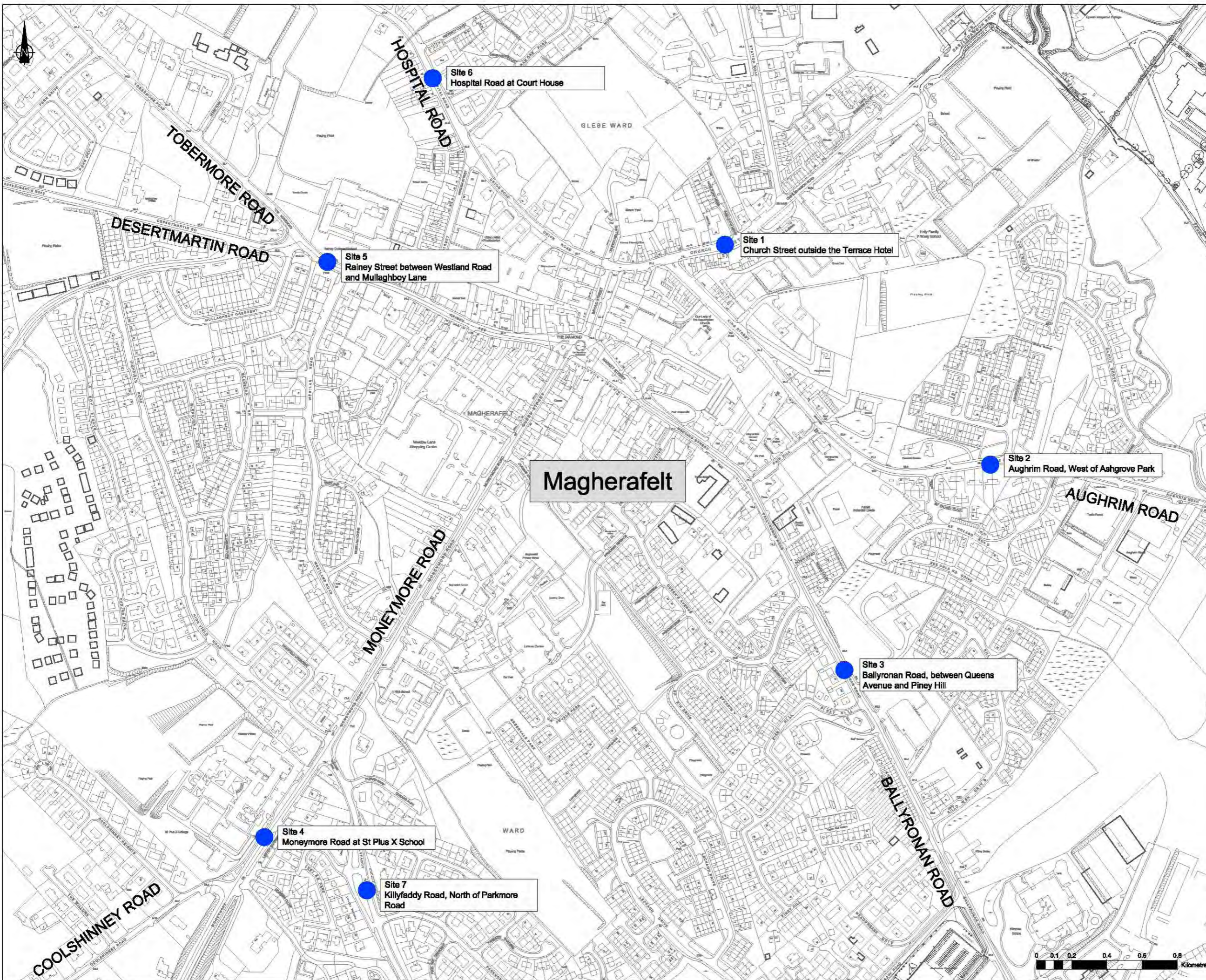
Project  
**A31 Magherafelt Bypass**

Title  
**Location of Road Side Interviews /Postcard Survey Sites Within Magherafelt Town**

Scale @ A1  
**1:2,500**

Drawing No.  
**720336.B.D.1020**

Ver.  
**A**



Key  
 Road Side Interview Site

Ver	Amendment	By	Checked	Approved	Date
Drawn					
VH			MK	JCM	11/01/08

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Client  
**A31 Magherafelt Bypass**

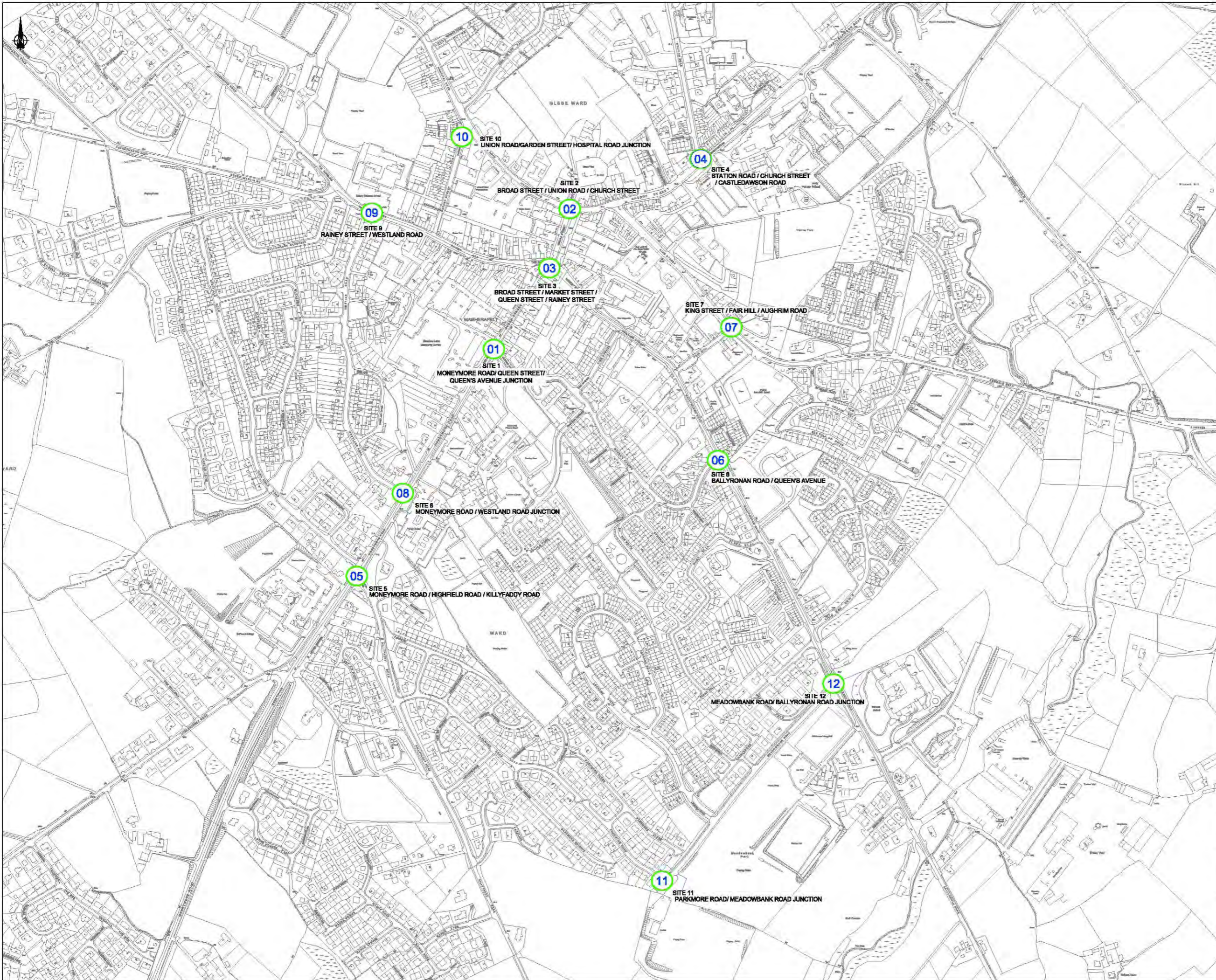
Project  
**Location of Road Side Interviews /Postcard Survey Sites Within Magherafelt Town**

Title  
**Location of Road Side Interviews /Postcard Survey Sites Within Magherafelt Town**

Scale @ A1  
**1:2,500**

Drawing No.  
**720336.B.D.1020**

Ver.  
**A**



**Key**

01 TCS Site and Reference

Ver	Amendment	By	Checked	Approved	Date
Drawn	Date	Checked	Date	Approved	Date
VH	11/01/08	MJK	11/01/08	JCM	11/01/08

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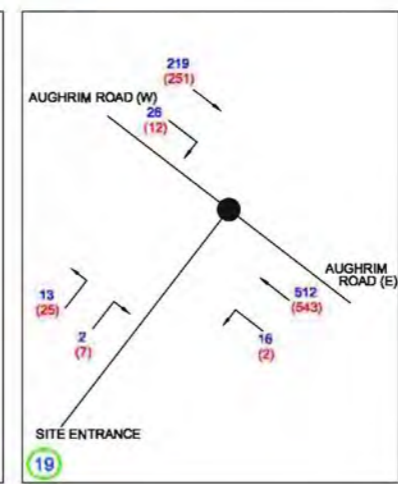
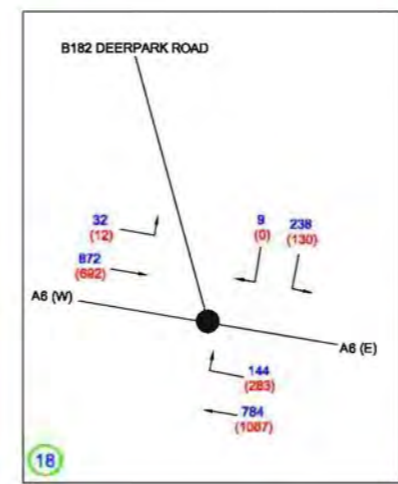
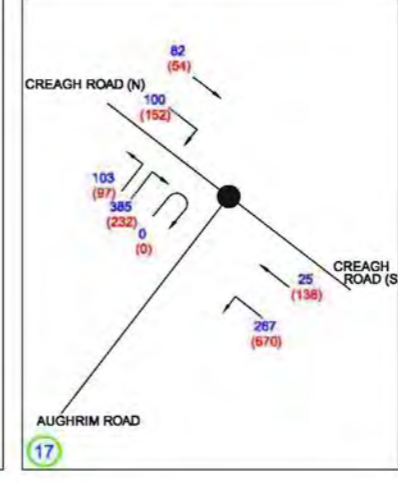
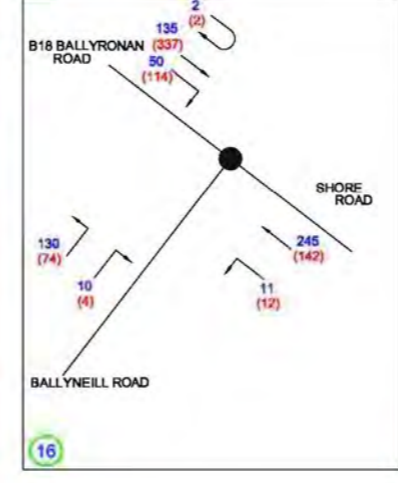
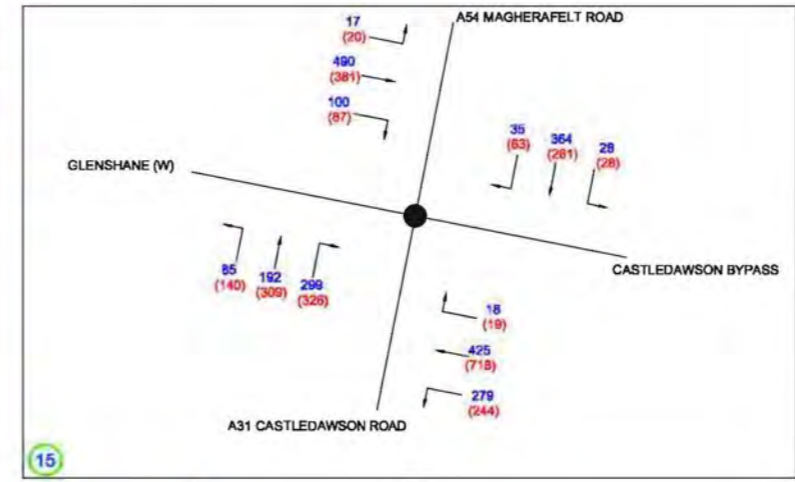
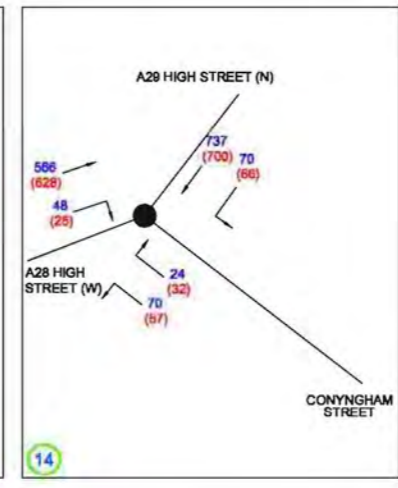
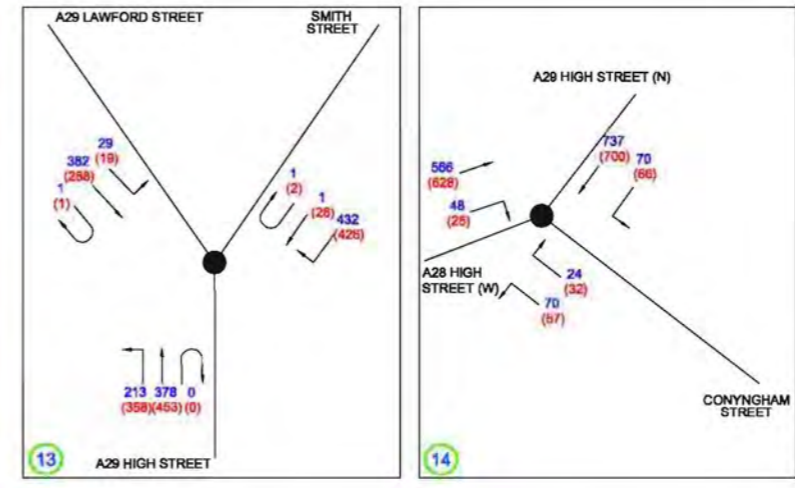
**mouchel**

Client: **ROADS Service**

Project: **A31 Magherafelt Bypass**

Title: **TCS Locations  
Road Network in Magherafelt  
Sheet 1 of 2**

Scale @ A1	<b>N.T.S</b>	Ver.
Drawing No.	<b>720336.B.D.1023</b>	<b>A</b>



Key  
 XXX = AM PEAK FLOWS  
 (XXX) = PM PEAK FLOWS  
 14 TCS Site and Reference

Ver	Amendment	By	Checked	Approved	Date
Drawn	Date	Checked	Date	Approved	Date
VH	11/01/08	MK	11/01/08	JCM	11/01/08

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Client

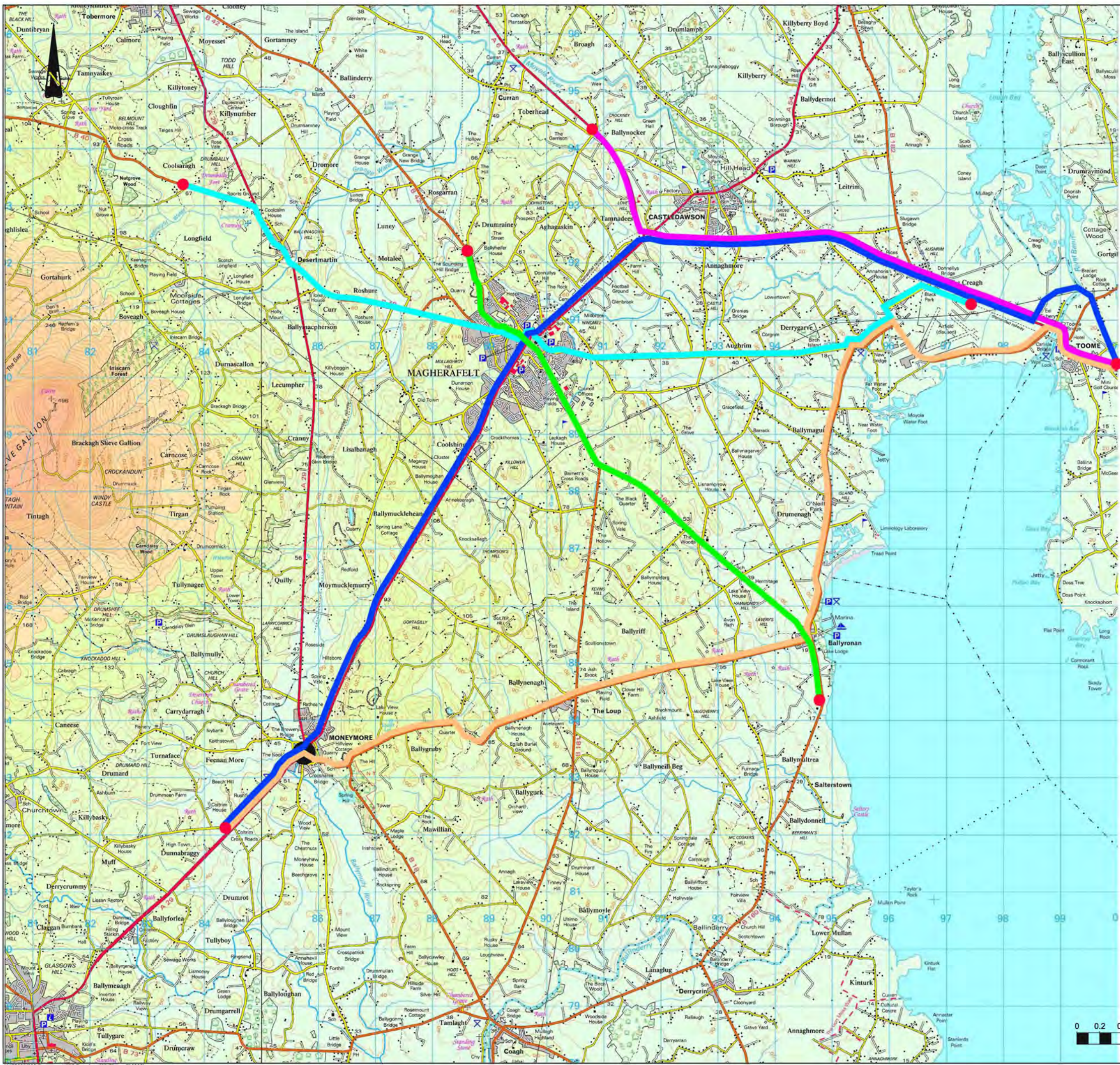
Project  
**A31 Magherafelt Bypass**

Title  
**TCS Locations and Flows Road Network Around Magherafelt**

Scale @ A1  
**N.T.S**

Drawing No.  
**720336.B.D.1024**

Figure 3.10



Continue to:  
 A6 Moneynick Road/ Gallagher Road/ Lismacloskey Road Junction

**Key**

- ROUTE 1 - Cyan
- ROUTE 2 - Purple
- ROUTE 3 - Green
- ROUTE 4 - Blue
- ROUTE 5 - Orange
- START / END POINT

Ver	Amendment	By	Checked	Approved	Date
Drawn	Date	Checked	Date	Approved	Date
VH	11/01/08	MK	11/01/08	JCM	11/01/08

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**mouchel**

Client **ROADS Service**

Project **A31 Magherafelt Bypass**

Title **Journey Time Survey Routes**

Scale @ A1	<b>N.T.S</b>	Ver.
Drawing No.	<b>720336.B.D.1025</b>	<b>A</b>



**Key**  
**Accident\_Data\_March2007**

- Fatal
- Serious
- Slight

Ver	Amendment	By	Checked	Approved	Date

Drawn: JCM Date: 11/01/08  
 Checked: MK Date: 11/01/08  
 Approved: JCM Date: 11/01/08

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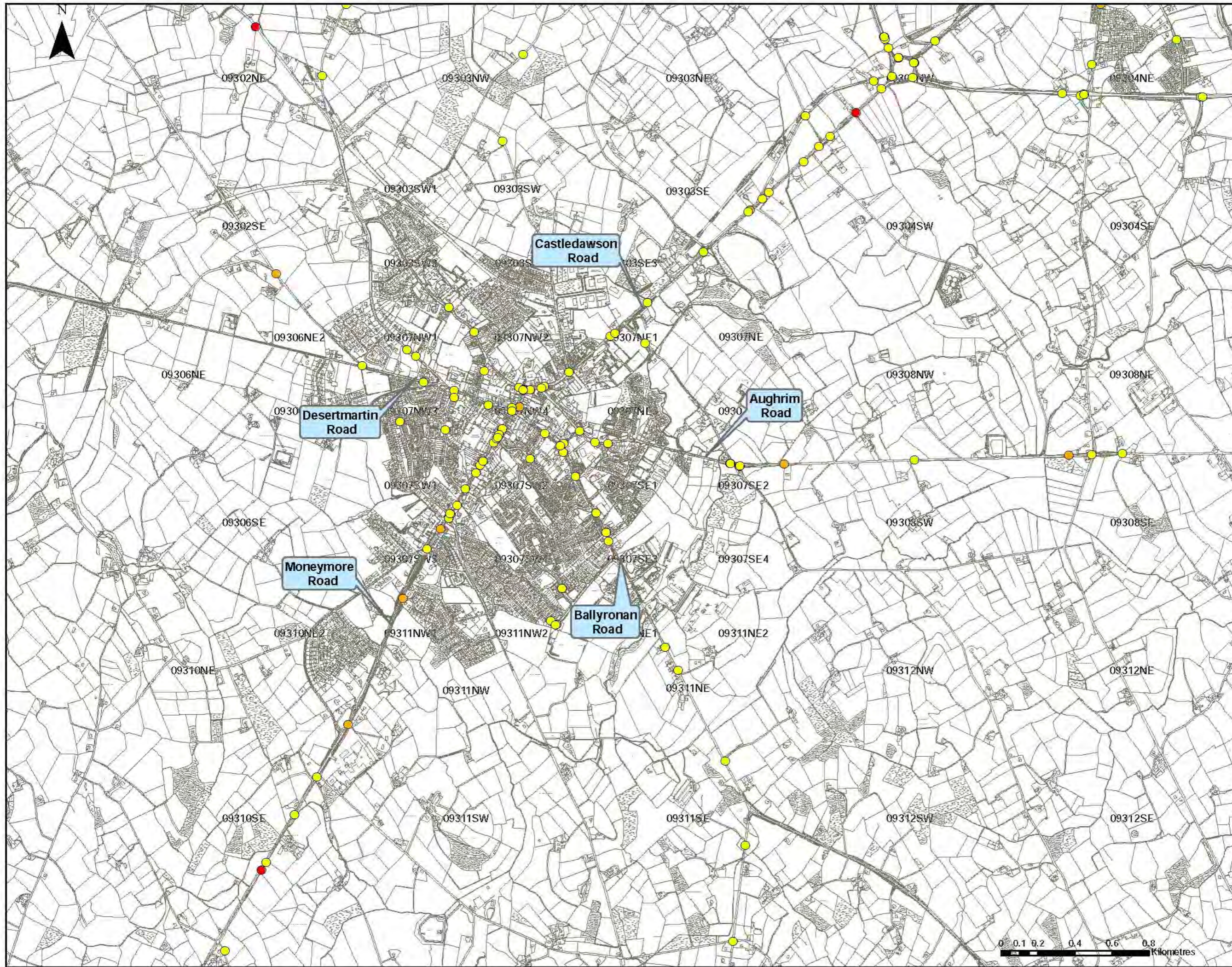
Client: **A31 Magherafelt Bypass**

Project: **Traffic Accidents 2003-2007 Around Magherafelt**

Scale: @ A1  
 Drawing No. **720336.B.D.1018**  
 Not to scale  
 Ver. **A**



Figure 3.14 © Mouchel



**Key**

**Accident Data March 2007**

- Fatal
- Serious
- Slight

Var	Amendment	By	Checked	Approved	Date	
Drawn	JR	28/01/08	MK	28/01/08	JCM	28/01/08

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**Client**

**Project**

**A31 Magherafelt Bypass**

**Title**

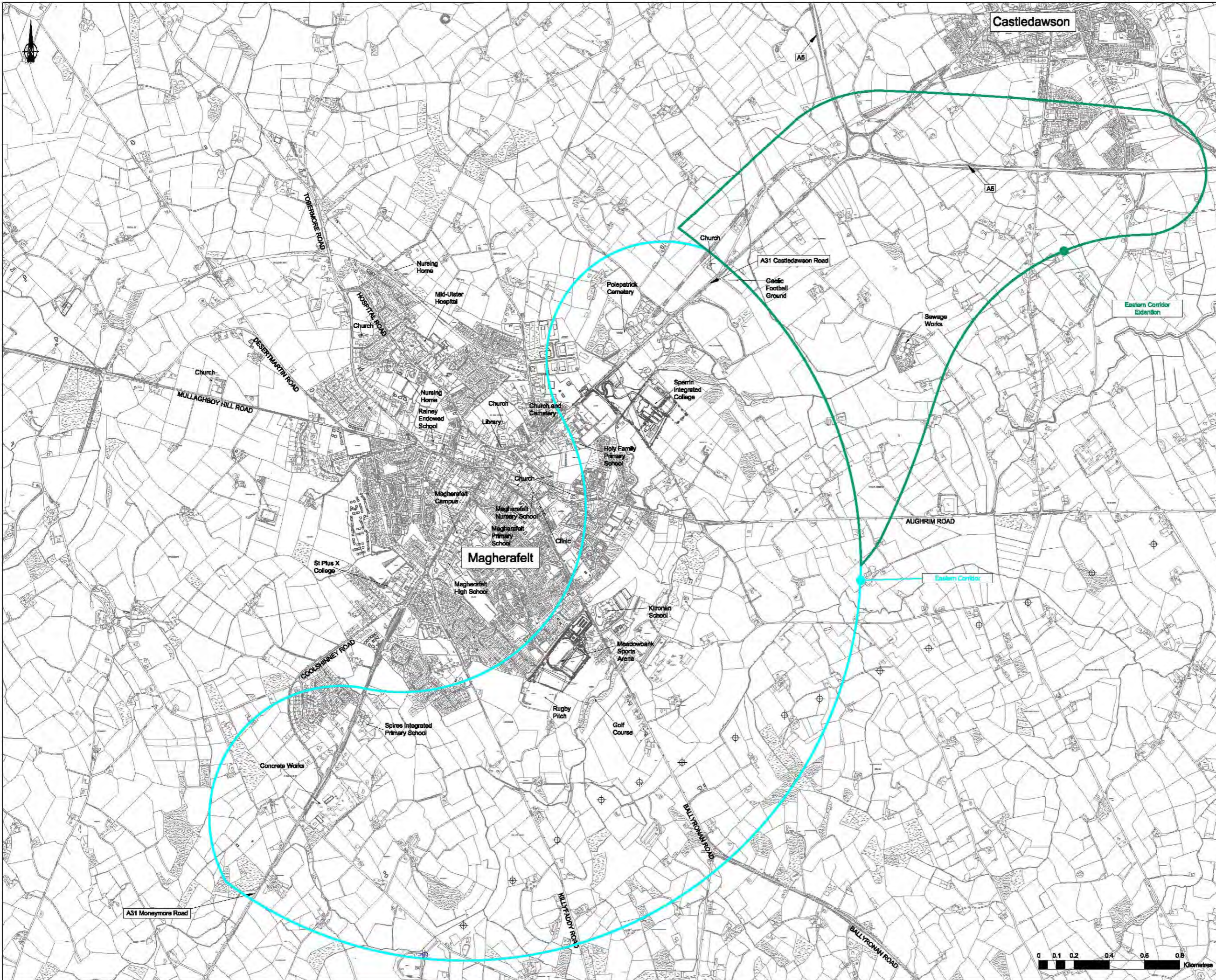
**Traffic Accidents 2003-2007 In Magherafelt**

**Scale @ A1** 1:10,000

**Drawing No.** 720336.B.D.1019

**Ver.** A





**Key**  
 Pylons  
 N.B Additional Items in dark grey are updates to the OS map

Ver	Amendment	By	Checked	Approved	Date
Drawn	VH				
Date	28/01/08	Checked	NIK	Date	28/01/08
Approved	JCM	Date	28/01/08		

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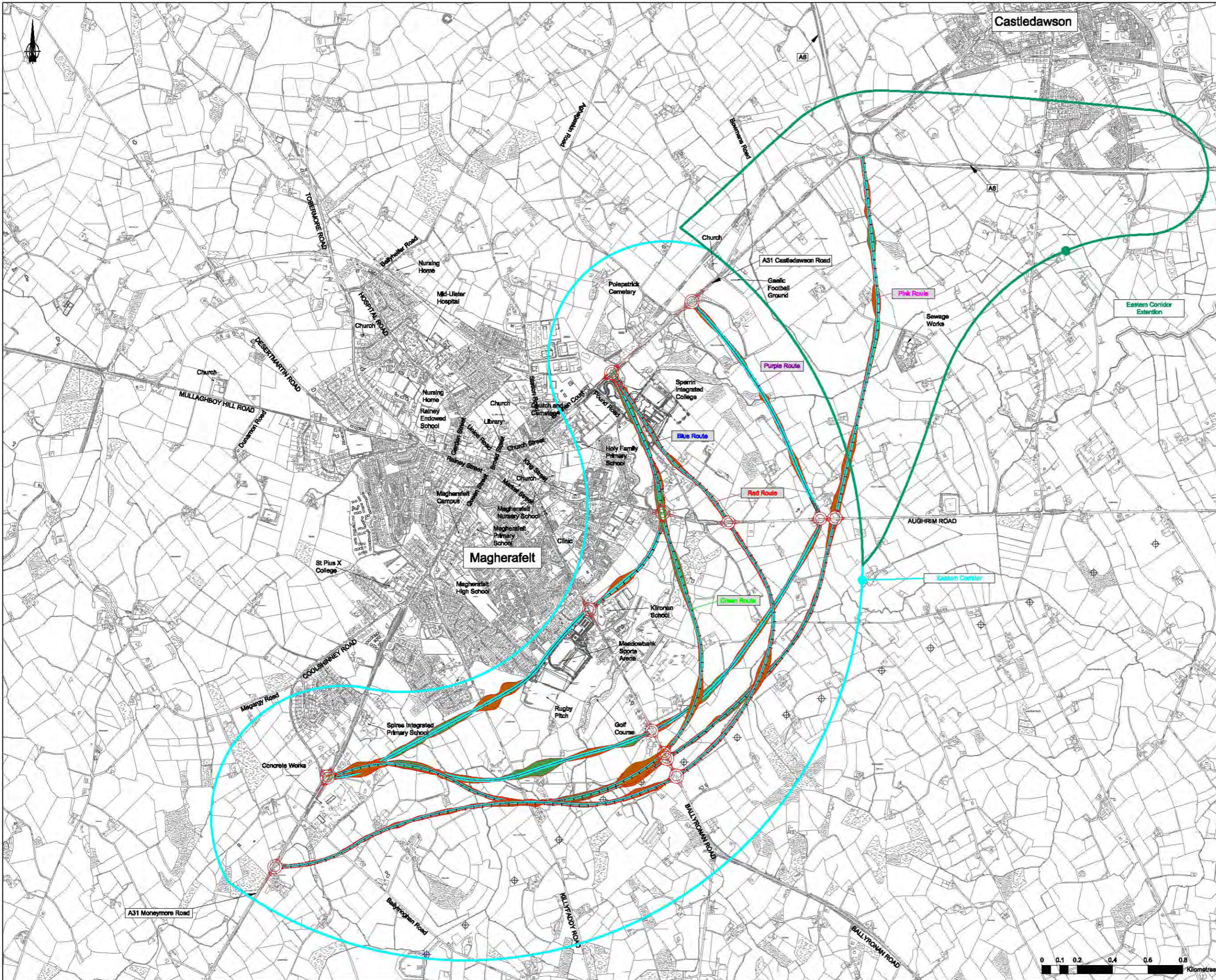
Client  
**A31 Magherafelt Bypass**

Project  
**Progressed Corridors**

Scale @ A1  
**1:10,000**  
 Drawing No. **720336.B.D.2157**

Ver.  
**A**





**Key**  
 Earthworks - Cut  
 Earthworks - Fill  
 Note: Additional Items In dark grey are updates to the OS Map

Ver	Amendment	By	Checked	Approved	Date			
Drawn	AMM	11/01/08	Checked	MJK	11/01/08	Approved	JCM	11/01/08

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Client  
**A31 Magherafelt Bypass**

Title  
**Initial Route Options Location Plan**

Scale @ A1	<b>1:10,000</b>	Ver.	<b>A</b>
Drawing No.	<b>720336.B.D.2139</b>		



Key  
 Earthworks - Cut  
 Earthworks - Fill  
 Note: Additional items in dark grey are updates to the OS Map

Ver	Amendment	By	Checked	Approved	Date
Drawn	Date	Checked	Date	Approved	Date
VH	24/01/08	AMI	22/03/08	JCM	22/03/08

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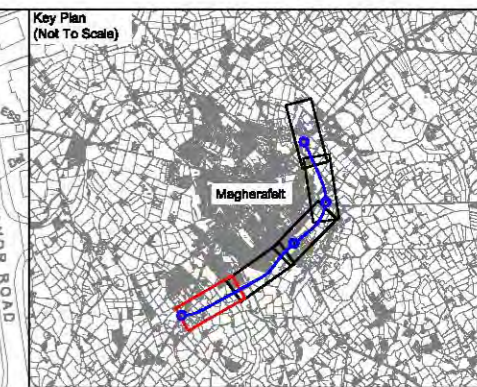


Client  
**A31 Magherafelt Bypass**

Project  
**Location Plan  
 Progressed Route Options**

Scale @ A1  
**1:10,000**  
 Drawing No. **720336.B.D.2036**

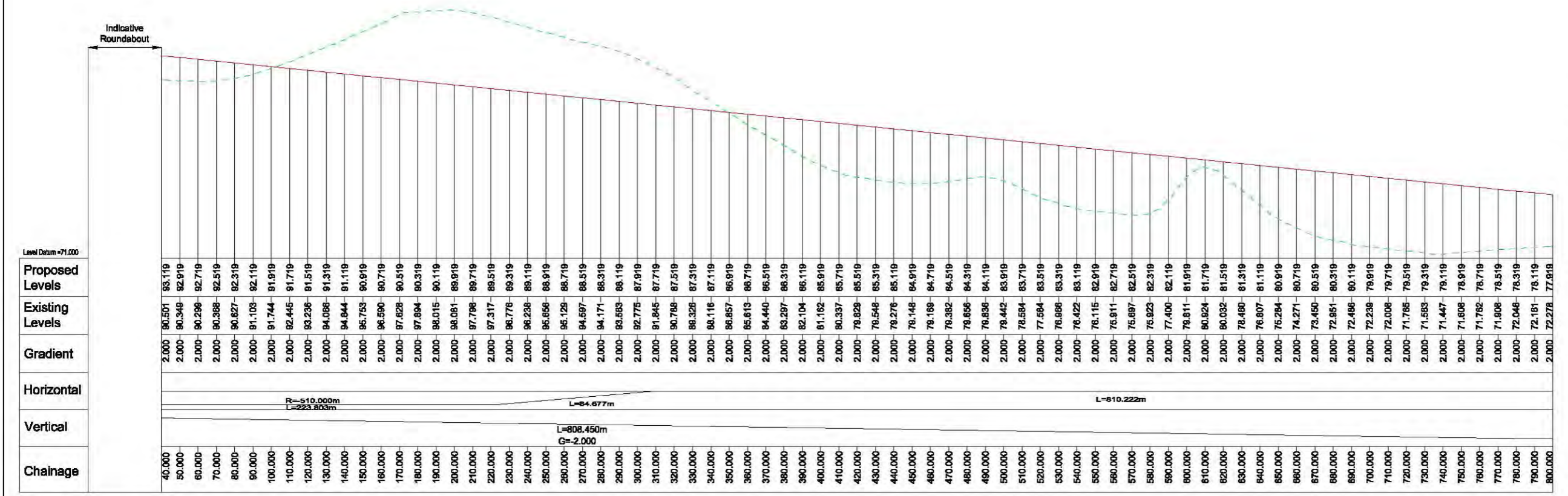
Ver.  
**A**



NB Additional Items in dark grey are updates to the CS Map

Scale 1:1250

Key:  
 - - - Existing Ground  
 - - - Proposed Road



Ver	Amendment	By	Checked	Approved	Date

Drawn AMI Date 26/08/07 Checked LE Date 26/08/07 Approved JCM Date 26/08/07

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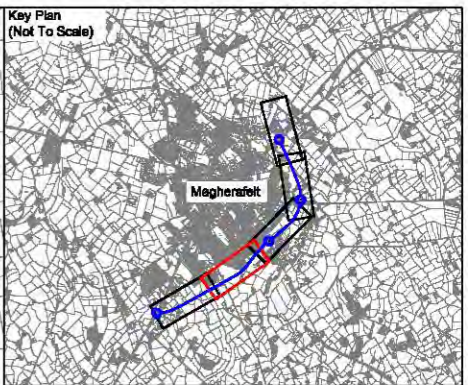
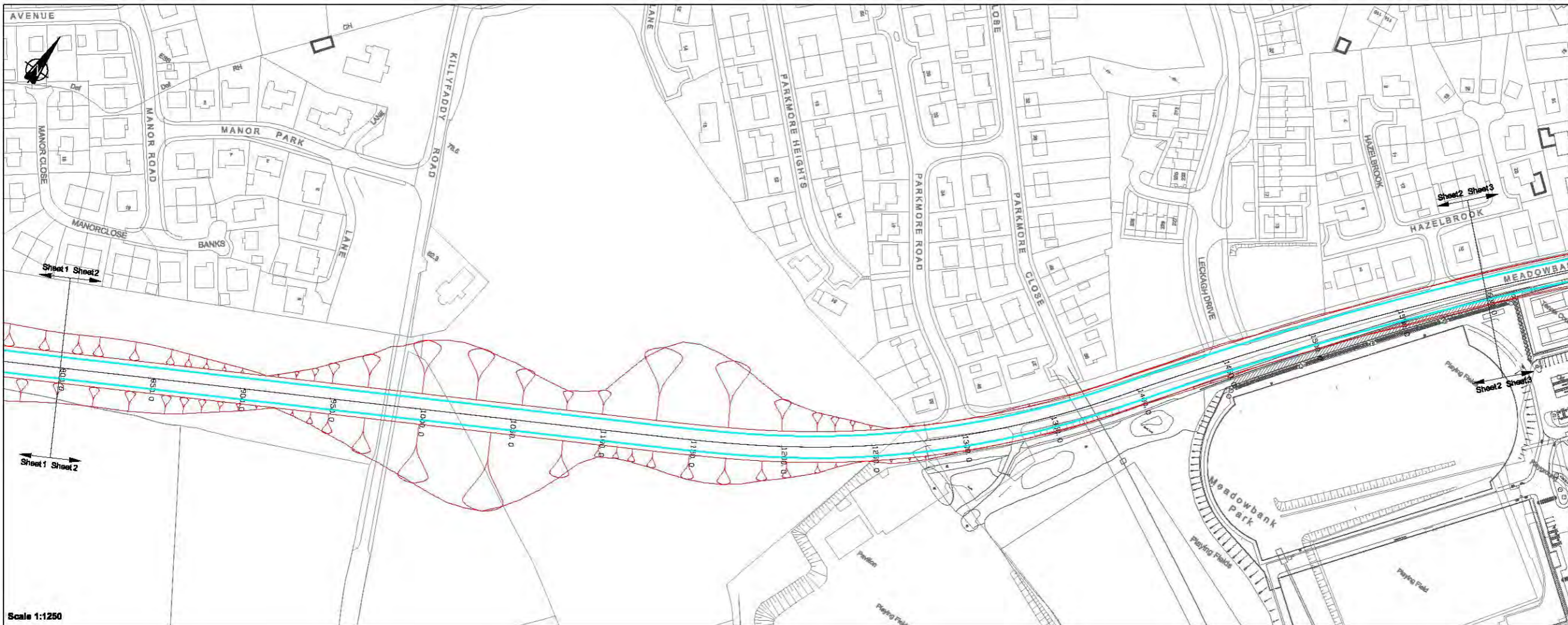
Client  
**A31 Magherafelt Bypass**

Title  
**Plan and Section  
 Blue Route  
 Sheet 1 of 5**

Scale @ A1  
**As Shown**

Drawing No.  
**720336.B.D.2010**

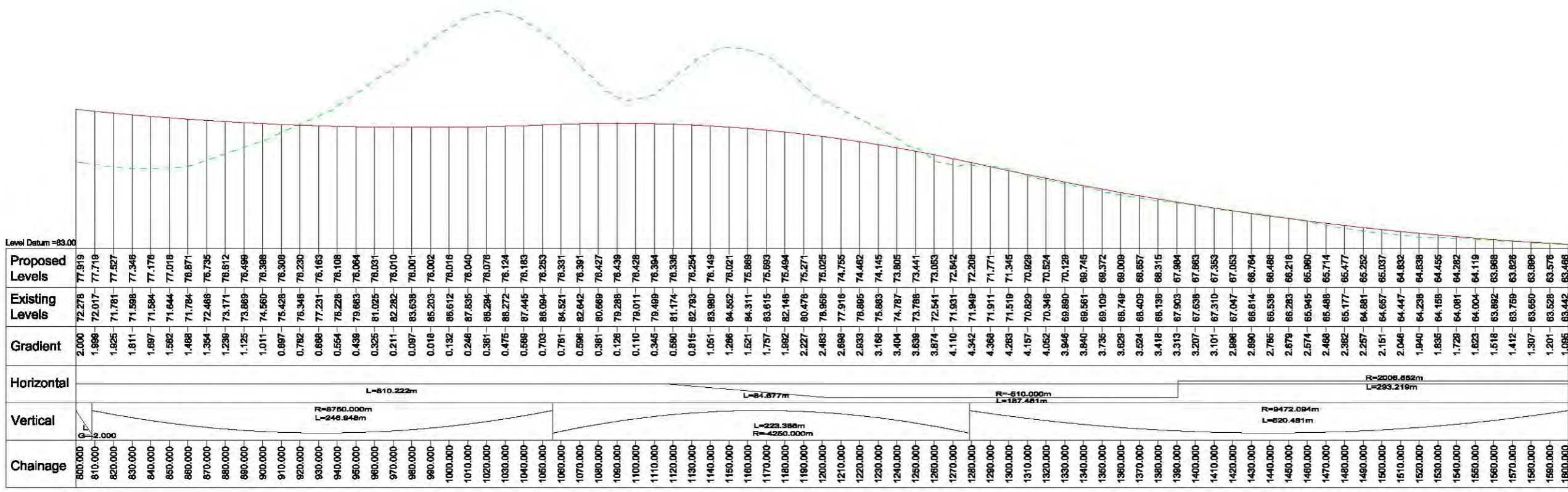
Ver.  
**A**



NB Additional Items in dark grey are updates to the OS Map

Scale 1:1250

Key:  
 - - - Existing Ground  
 - - - Proposed Road



Scale: Horiz 1:1250 Vert 1:250  
 H:\720336\00 Documents\05 Drawings\02 Phase B\2000\

Ver	Amendment	By	Checked	Approved	Date

Drawn AMI Date 26/08/07 Checked LE Date 26/08/07 Approved JCM Date 26/08/07  
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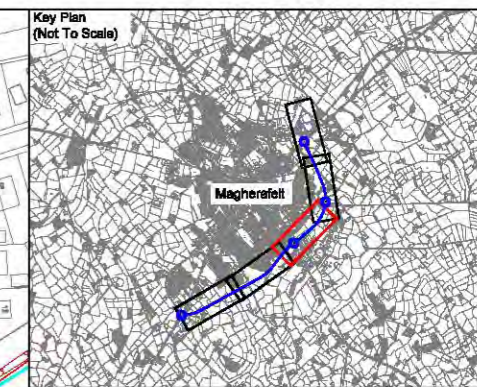
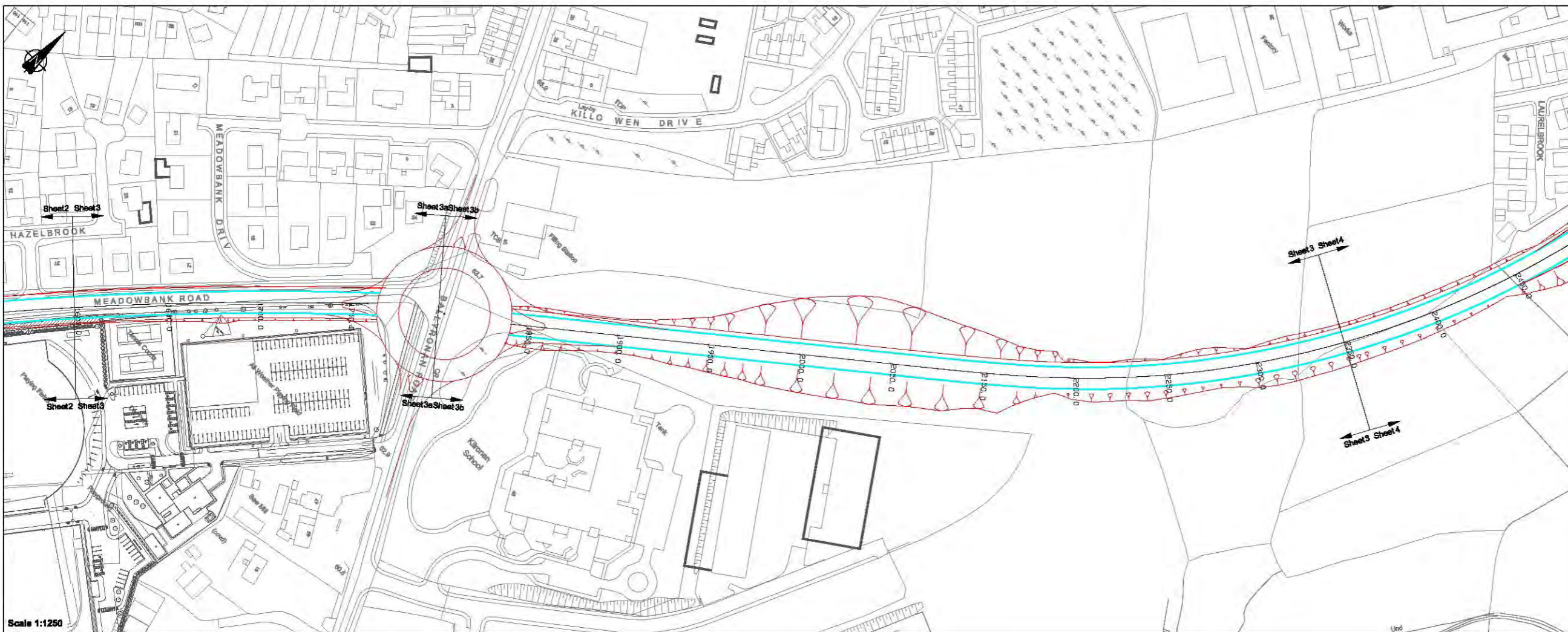
Client: **ROADS Service**

Project: **A31 Magherafelt Bypass**

Title: **Plan and Section Blue Route Sheet 2 of 5**

Scale @ A1: **As Shown**  
 Drawing No.: **720336.B.D.2010**

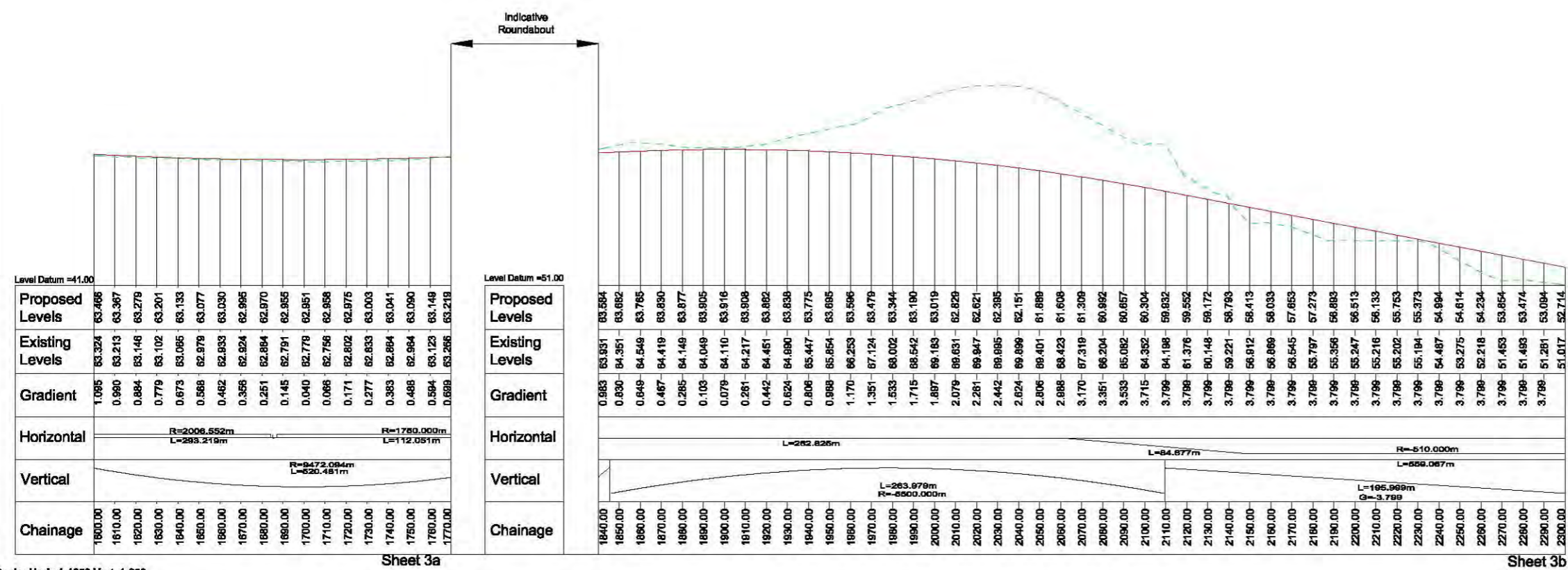
Ver. **A**



NB Additional Items In dark gray are updates to the OS Map

Scale 1:1250

Key:  
 - - - Existing Ground  
 — Proposed Road



Scale: Horiz 1:1250 Vert 1:250

H:\720336\00 Documents\05 Drawings\02 Phase B\2000\

Ver	Amendment	By	Checked	Approved	Date
Drawn	AMM	26/08/07	Checked	LE	26/08/07
By	JCM	26/08/07	Approved	JCM	26/08/07

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Project: **A31 Magherafelt Bypass**

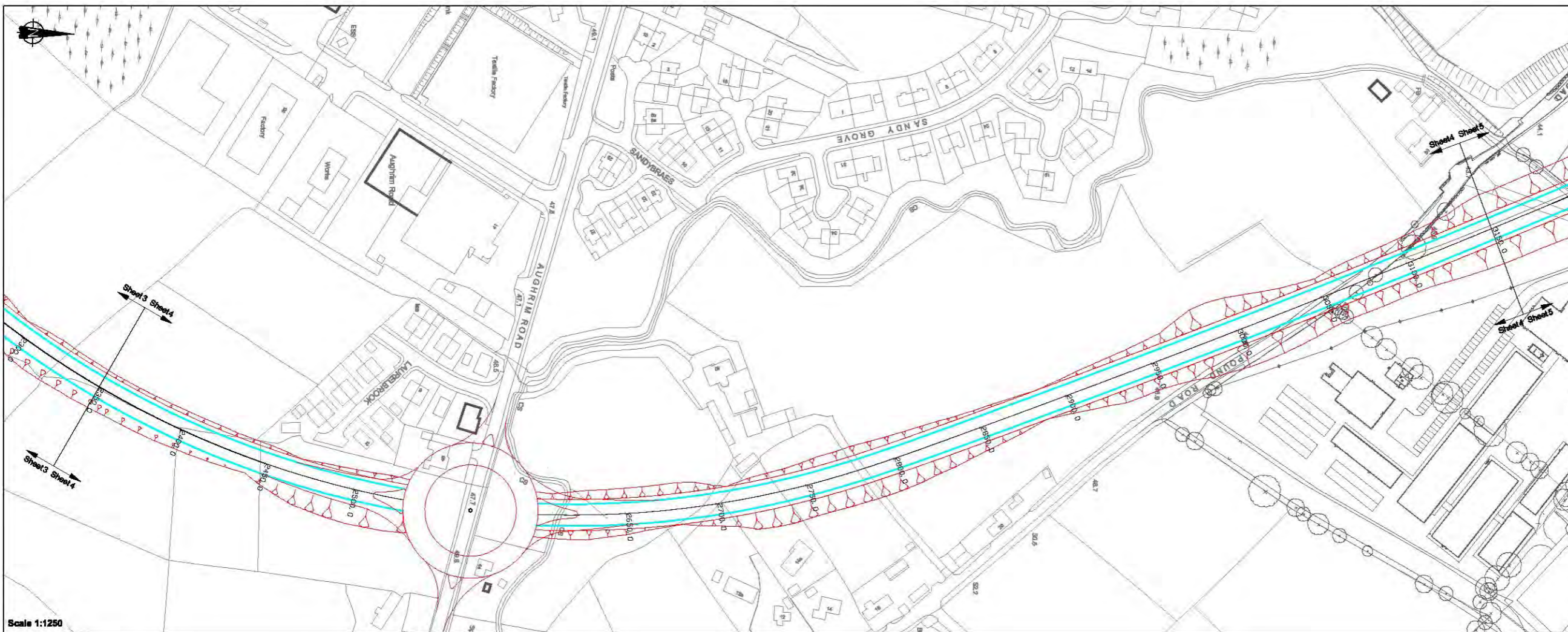
Title: **Plan and Section Blue Route Sheet 3 of 5**

Scale @ A1: **As Shown**

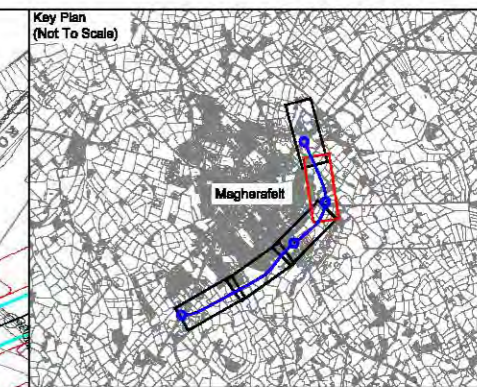
Drawing No. **720336.B.D.2010**

Ver. **A**

Figure 5.1c © Mouchel

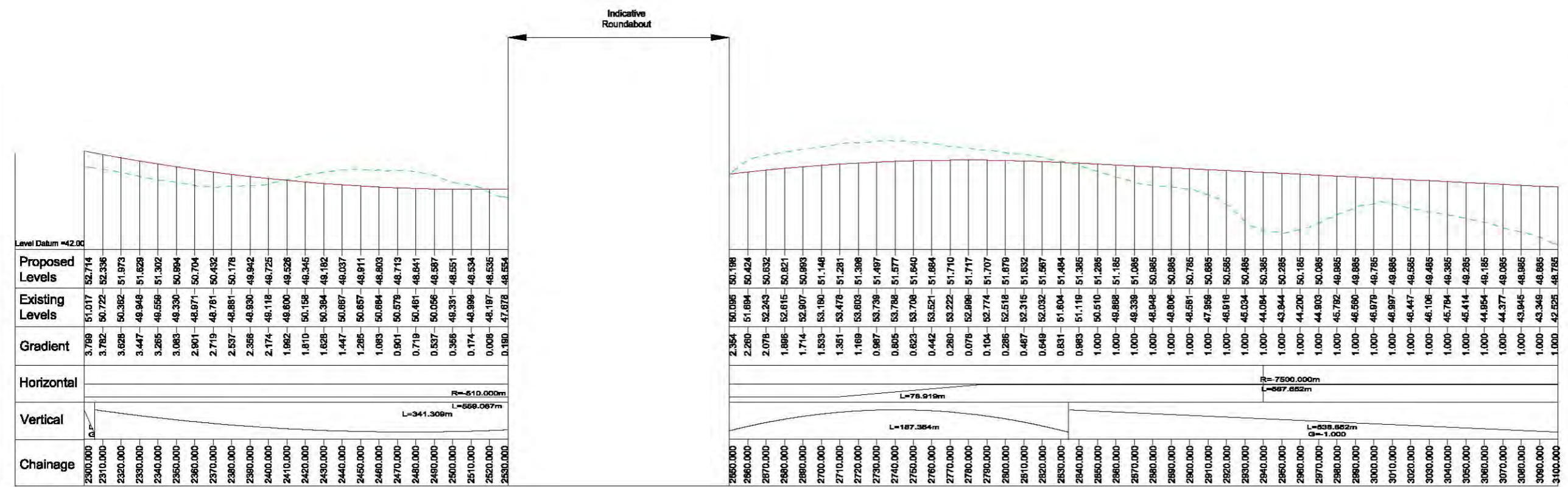


Scale 1:1250



NB Additional Items in dark grey are updates to the OS Map

Key:  
 --- Existing Ground  
 --- Proposed Road



Scale: Horiz 1:1250 Vert 1:250  
 H:\720336\08 Documents\05 Drawings\02 Phase B\2000\

Ver	Amendment	By	Checked	Approved	Date

Drawn AMI Date 26/08/07 Checked LE Date 26/08/07 Approved JCM Date 26/08/07  
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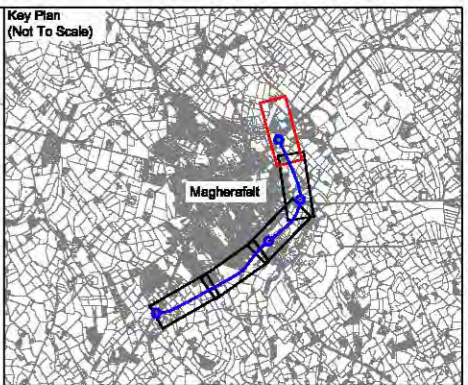
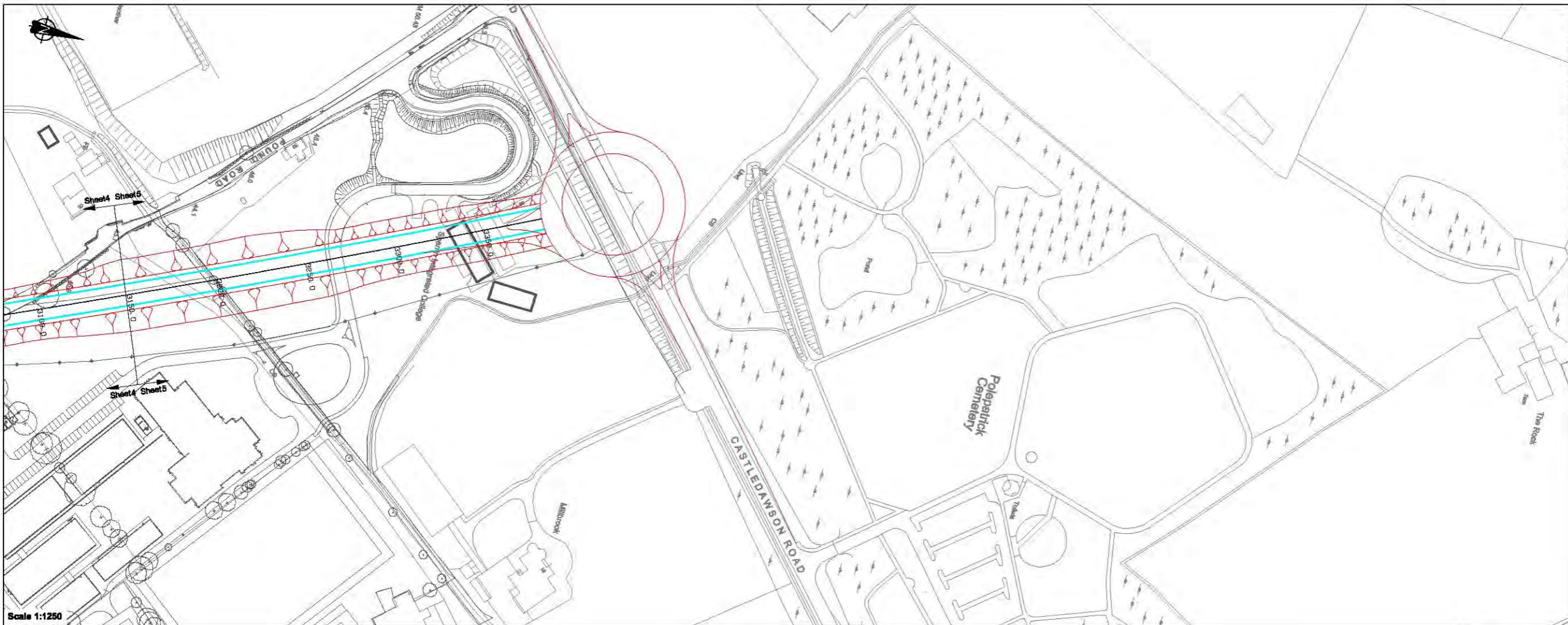


Client  
**A31 Magherafelt Bypass**

Title  
**Plan and Section  
 Blue Route  
 Sheet 4 of 5**

Scale @ A1  
**As Shown**  
 Drawing No. **720336.B.D.2010**

Ver. **A**



NB Additional items in dark grey are updates to the OS Map

Scale 1:1250

Key:  
 - - - Existing Ground  
 - - - Proposed Road

Indicative Roundabout

Chainage	Proposed Levels	Existing Levels	Gradient
3100.000	42.525	42.525	1.000
3110.000	42.287	42.287	1.000
3120.000	42.204	42.204	1.000
3130.000	42.069	42.069	1.000
3140.000	42.003	42.003	1.000
3150.000	41.837	41.837	1.000
3160.000	41.730	41.730	1.000
3170.000	41.640	41.640	1.000
3180.000	41.711	41.711	1.000
3190.000	41.635	41.635	1.000
3200.000	41.740	41.740	1.000
3210.000	42.254	42.254	1.000
3220.000	43.165	43.165	1.000
3230.000	43.880	43.880	1.000
3240.000	43.478	43.478	1.000
3250.000	43.587	43.587	1.000
3260.000	43.504	43.504	1.000
3270.000	43.411	43.411	1.000
3280.000	43.173	43.173	1.000
3290.000	42.907	42.907	1.000
3300.000	42.813	42.813	1.000
3310.000	42.824	42.824	1.000
3320.000	42.823	42.823	1.000
3330.000	42.788	42.788	1.000
3340.000	42.722	42.722	1.000
3350.000	43.872	43.872	1.000
3360.000	44.685	44.685	1.000
3370.000	46.077	46.077	1.000

Scale: Horiz 1:1250 Vert 1:250  
 H:\720336\00 Documents\05 Drawings\02 Phase B\2000\

Ver	Amendment	By	Checked	Approved	Date

Drawn AMI Date 26/08/07 Checked LE Date 26/08/07 Approved JCM Date 26/08/07  
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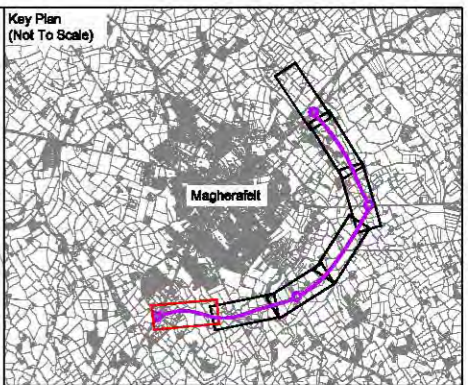


Client  
**A31 Magherafelt Bypass**

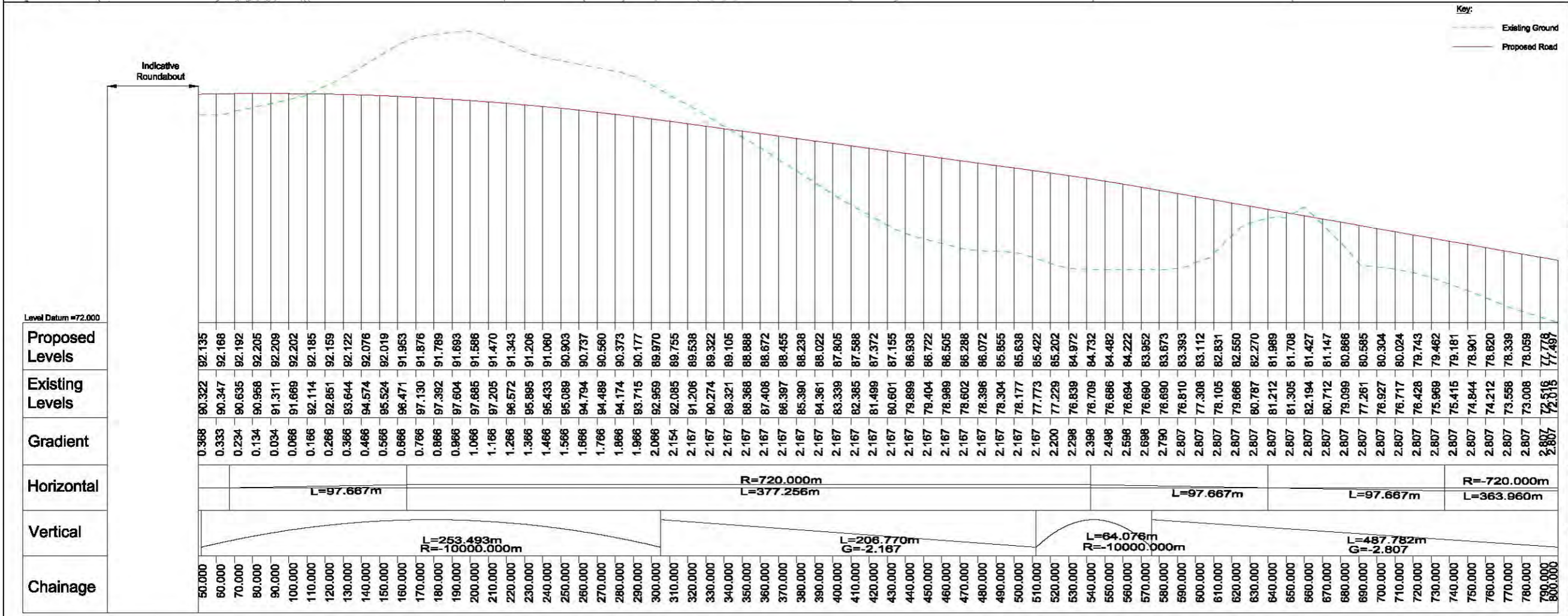
Title  
**Plan and Section  
 Blue Route  
 Sheet 5 of 5**

Scale @ A1 **As Shown** Ver. **A**  
 Drawing No. **720336.B.D.2010**

Figure 5.1e © Mouchel



NB Additional items in dark grey are updates to the OS Map



Key:  
 --- Existing Ground  
 --- Proposed Road

Ver	Amendment	By	Checked	Approved	Date

Drawn	Date	Checked	Date	Approved	Date
AMJ	27/08/07	LE	27/08/07	JCM	27/08/07

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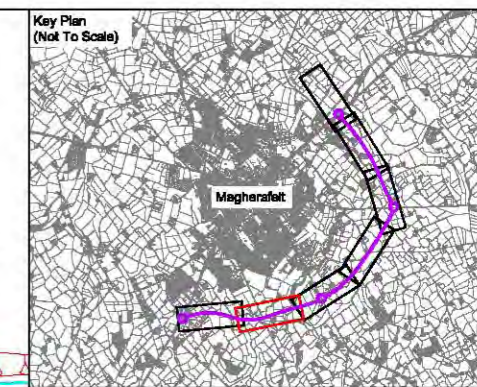
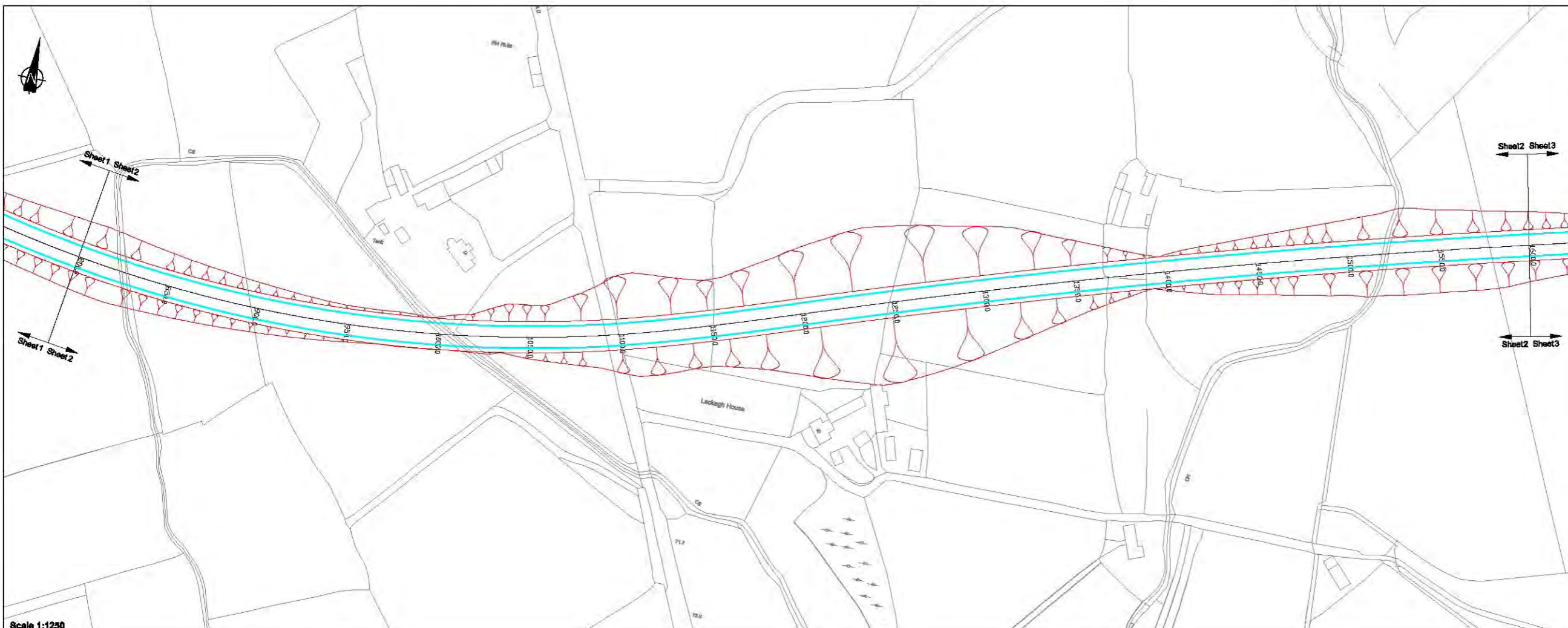
Client  
**A31 Magherafelt Bypass**

Title  
**Plan and Section  
 Purple Route  
 Sheet 1 of 7**

Scale @ A1  
**As Shown**

Drawing No. **720336.B.D.2013**

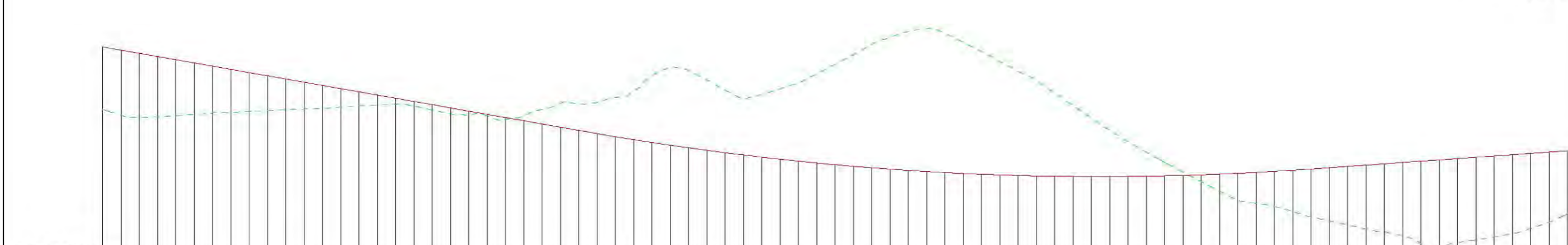




NB Additional items in dark grey are updates to the OS Map

Scale 1:1250

Key:  
 — Existing Ground  
 — Proposed Road



Chainage	Proposed Levels	Existing Levels	Gradient	Horizontal	Vertical
800.000	77.497	72.015	2.807	R=720.000m L=363.960m	L=487.782m G=-2.807
810.000	77.216	71.513	2.807		
820.000	76.936	71.305	2.807		
830.000	76.655	71.373	2.807		
840.000	76.374	71.487	2.807		
850.000	76.083	71.599	2.807		
860.000	75.813	71.707	2.807		
870.000	75.532	71.780	2.807		
880.000	75.251	71.847	2.807		
890.000	74.970	71.821	2.807		
900.000	74.690	71.992	2.807	R=10000.000m L=394.447m	
910.000	74.409	72.060	2.807		
920.000	74.128	72.129	2.807		
930.000	73.847	72.225	2.807		
940.000	73.567	72.321	2.807		
950.000	73.286	72.398	2.807		
960.000	73.005	72.477	2.807		
970.000	72.724	72.518	2.807		
980.000	72.444	71.995	2.807		
990.000	72.163	71.637	2.807		
1000.000	71.882	71.511	2.807	R=4777.201m L=374.043m	
1010.000	71.601	71.489	2.807		
1020.000	71.321	71.109	2.807		
1030.000	71.040	71.479	2.807		
1040.000	70.759	72.020	2.807		
1050.000	70.478	72.571	2.807		
1060.000	70.198	72.515	2.807		
1070.000	69.919	72.645	2.788		
1080.000	69.649	73.041	2.695		
1090.000	69.390	73.601	2.595		
1100.000	69.140	74.982	2.495		
1110.000	68.901	75.732	2.395	L=97.667m	
1120.000	68.672	76.439	2.295		
1130.000	68.452	74.610	2.195		
1140.000	68.243	73.728	2.095		
1150.000	68.043	72.851	1.995		
1160.000	67.854	73.326	1.895		
1170.000	67.674	73.835	1.795		
1180.000	67.505	74.362	1.695		
1190.000	67.345	75.116	1.595		
1200.000	67.196	75.982	1.495		
1210.000	67.056	76.824	1.395	L=14.720m	
1220.000	66.927	77.704	1.295		
1230.000	66.808	78.344	1.195		
1240.000	66.698	78.836	1.095		
1250.000	66.599	79.085	0.995		
1260.000	66.509	78.881	0.895		
1270.000	66.430	77.885	0.795		
1280.000	66.360	77.082	0.695		
1290.000	66.301	76.217	0.595		
1300.000	66.251	75.336	0.495		
1310.000	66.212	74.536	0.395	R=4777.201m L=374.043m	
1320.000	66.182	73.450	0.295		
1330.000	66.163	72.363	0.195		
1340.000	66.154	71.275	0.095		
1350.000	66.154	70.202	0.005		
1360.000	66.165	89.222	0.105		
1370.000	66.185	68.285	0.205		
1380.000	66.216	67.392	0.305		
1390.000	66.256	66.549	0.405		
1400.000	66.307	65.712	0.505		
1410.000	66.367	64.876	0.605	G=1.137 L=584.184m	
1420.000	66.438	64.053	0.705		
1430.000	66.518	63.824	0.805		
1440.000	66.609	63.536	0.905		
1450.000	66.709	63.084	1.005		
1460.000	66.820	62.626	1.104		
1470.000	66.934	62.290	1.137		
1480.000	67.047	61.937	1.137		
1490.000	67.161	61.576	1.137		
1500.000	67.275	61.338	1.137		
1510.000	67.388	60.977	1.137		
1520.000	67.502	60.272	1.137		
1530.000	67.616	59.884	1.137		
1540.000	67.729	60.385	1.137		
1550.000	67.843	60.608	1.137		
1560.000	67.957	60.887	1.137		
1570.000	68.071	61.172	1.137		
1580.000	68.184	61.629	1.137		
1590.000	68.298	62.151	1.137		
1600.000	68.412	62.689	1.137		

Scale: Horiz 1:1250 Vert 1:250

Ver	Amendment	By	Checked	Approved	Date

Drawn AMI Date 27/08/07 Checked LE Date 27/08/07 Approved JCM Date 27/08/07  
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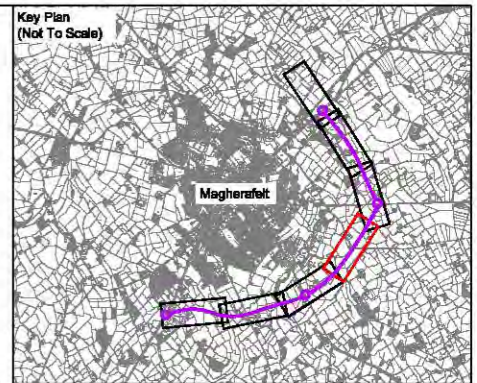
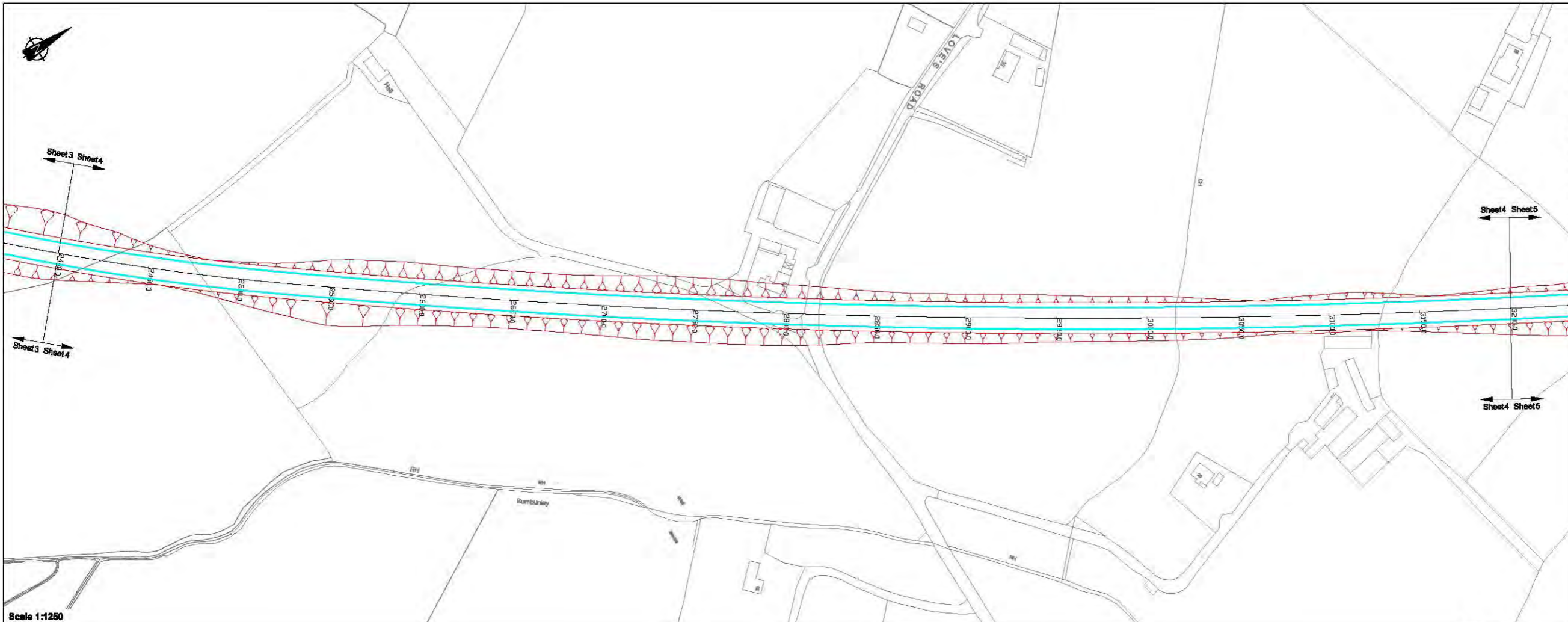
Client  
**ROADS Service**

Project  
**A31 Magherafelt Bypass**

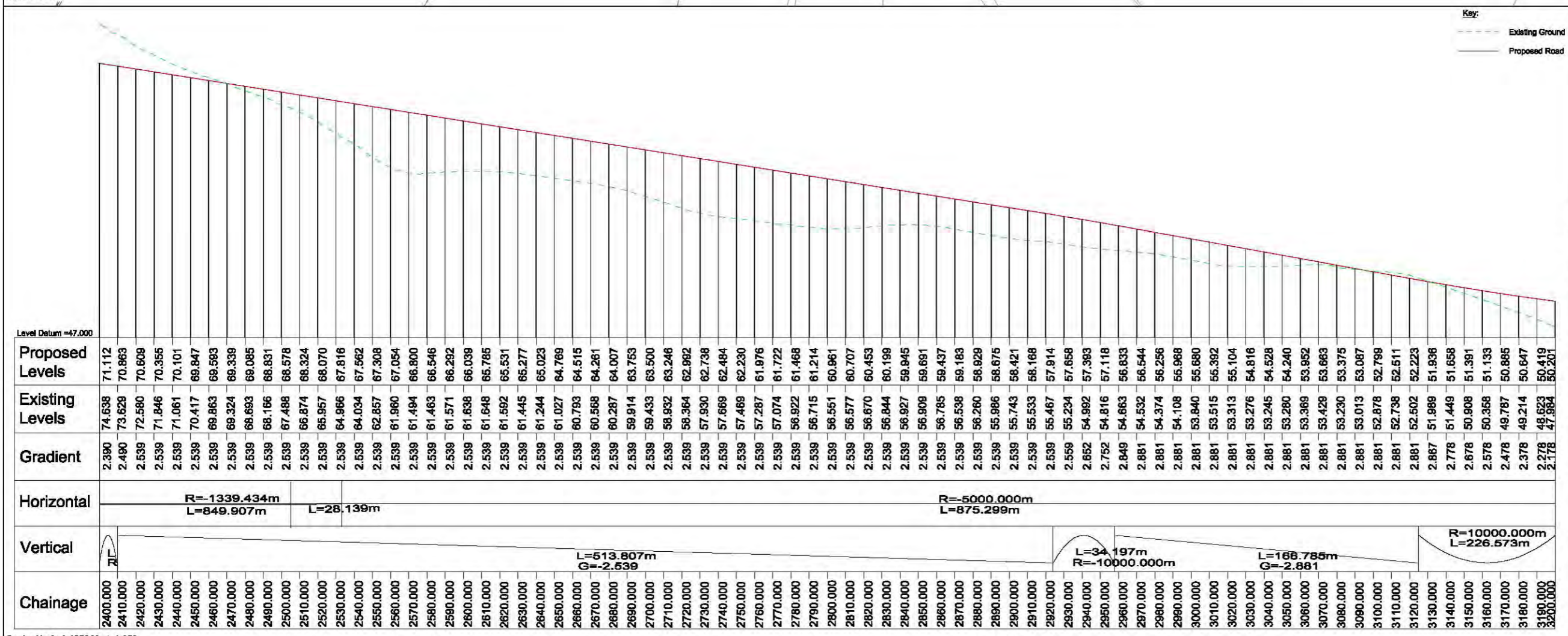
Title  
**Plan and Section  
 Purple Route  
 Sheet 2 of 7**

Scale @ A1  
**As Shown**  
 Drawing No. **720336.B.D.2013**  
 Ver. **A**





NB Additional items in dark gray are updates to the OS Map



Scale: Horiz 1:1250 Vert 1:250  
H:\720336\00 Documents\05 Drawings\02 Phase B\2000\

Ver	Amendment	By	Checked	Approved	Date
Drawn	AMM	27/08/07	Checked	LE	27/08/07
Approved	JCM	27/08/07			

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Client: **ROADS Service**

Project: **A31 Magherafelt Bypass**

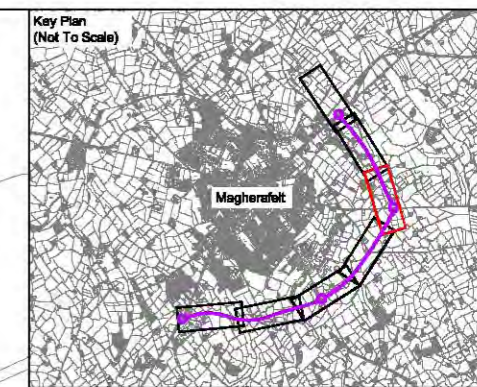
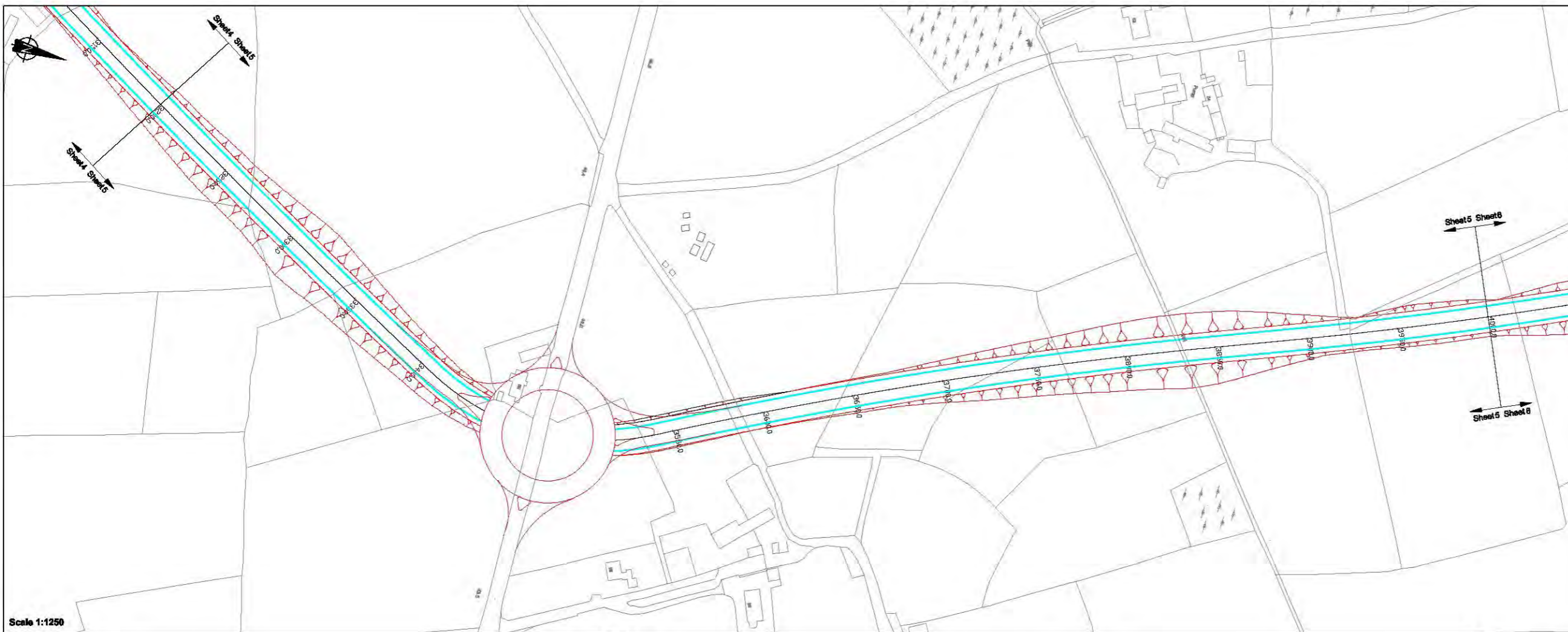
Title: **Plan and Section  
Purple Route  
Sheet 4 of 7**

Scale @ A1: **As Shown**

Drawing No.: **720336.B.D.2013**

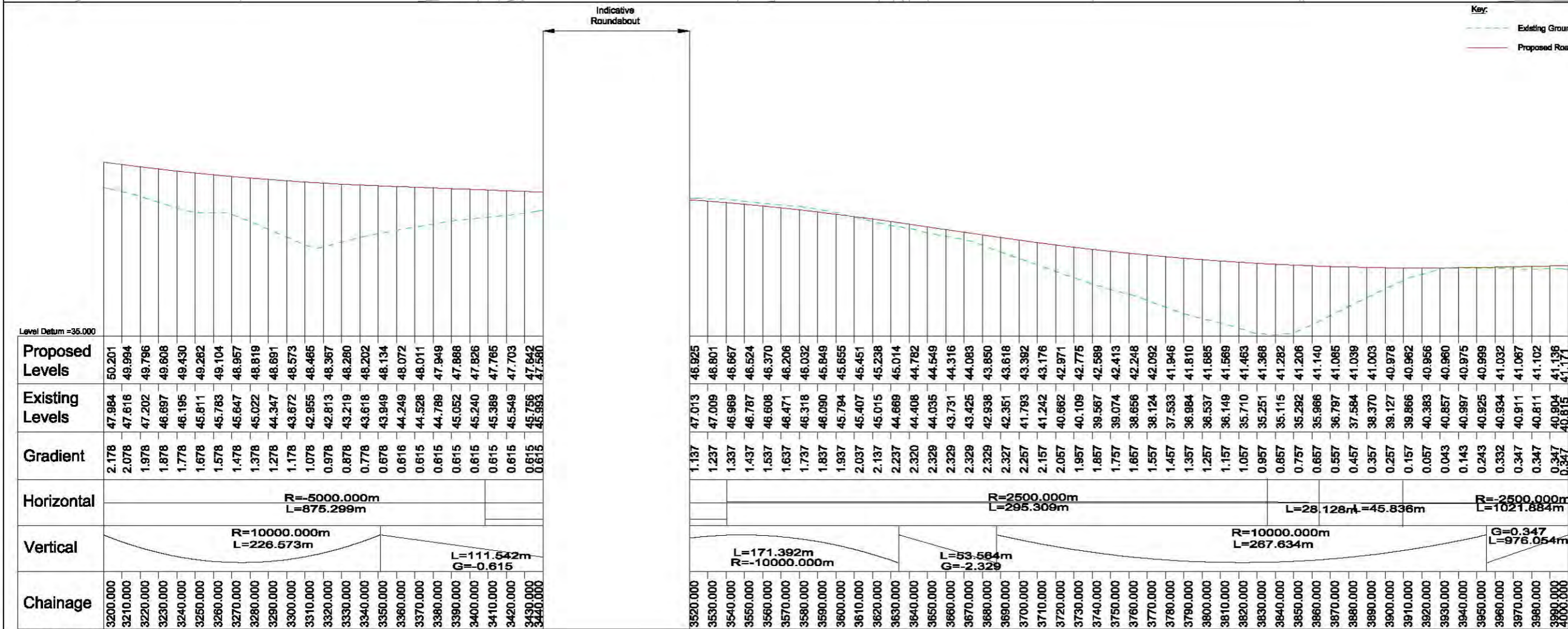
Ver. **A**

Figure 5.2d © Mouchel



NB Additional items in dark grey are updates to the OS Map

Scale 1:1250



Key:  
 --- Existing Ground  
 --- Proposed Road

Ver	Amendment	By	Checked	Approved	Date

Drawn AMI Date 27/08/07 Checked LE Date 27/08/07 Approved JCM Date 27/08/07  
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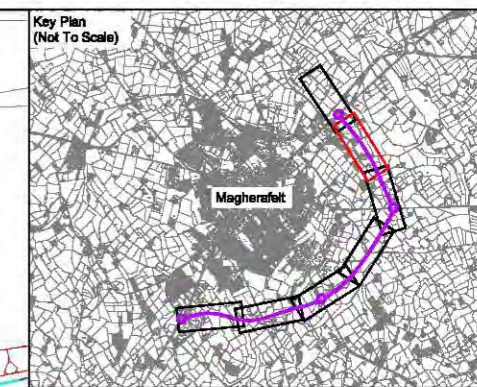
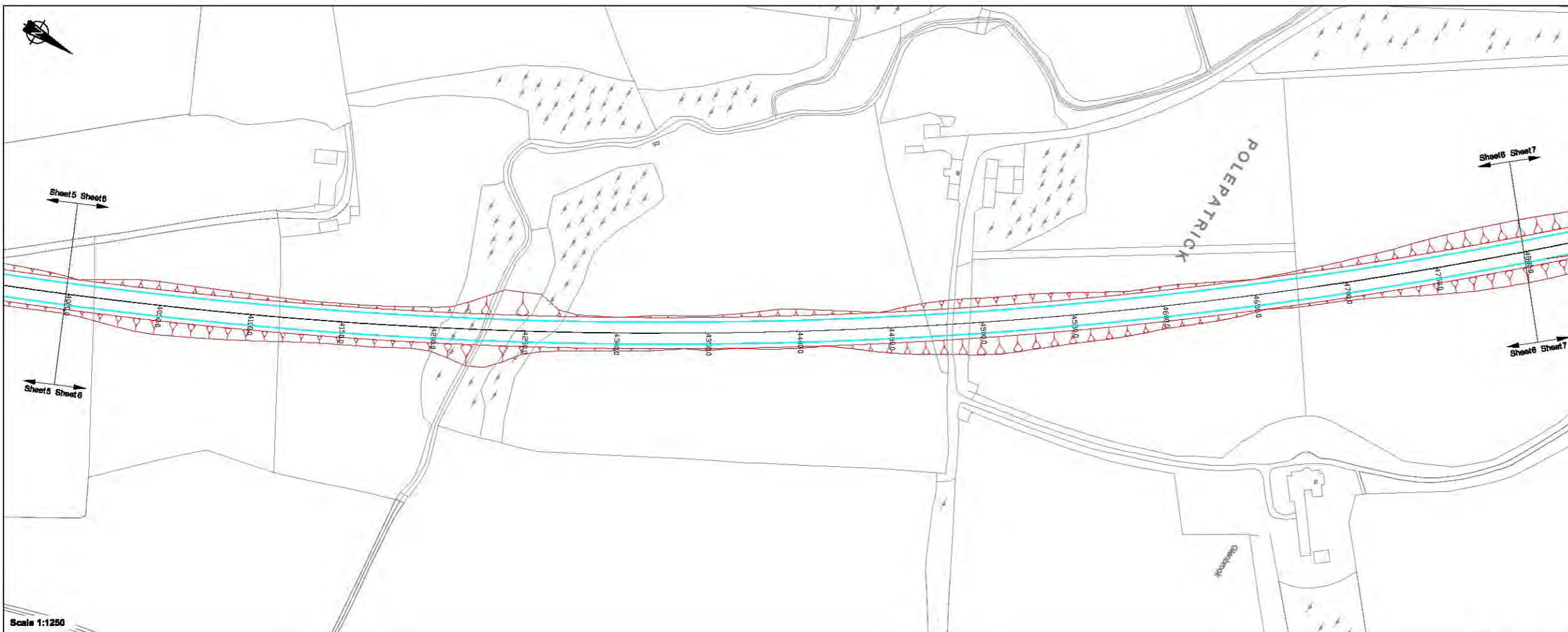


Client  
**A31 Magherafelt Bypass**

Title  
**Plan and Section  
 Purple Route  
 Sheet 5 of 7**

Scale @ A1  
**As Shown**  
 Drawing No. **720336.B.D.2013**

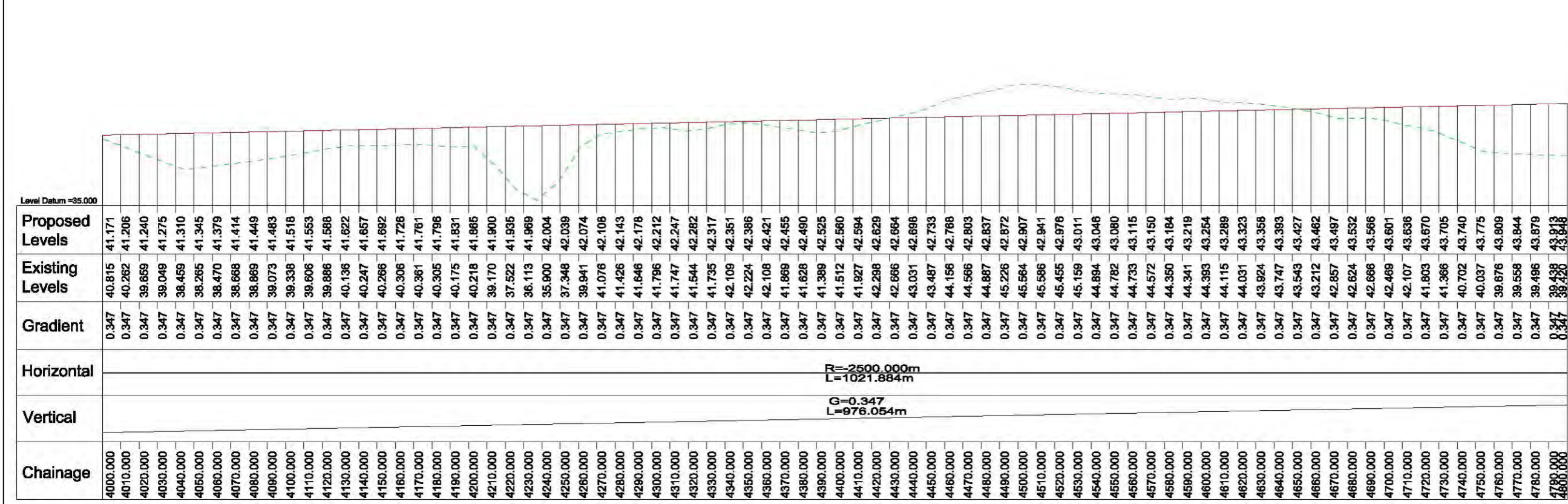
Scale: Horiz 1:1250 Vert 1:250  
 H:\720336\00 Documents\05 Drawings\02 Phase B\2000\



NB Additional items in dark gray are updates to the OS Map

Scale 1:1250

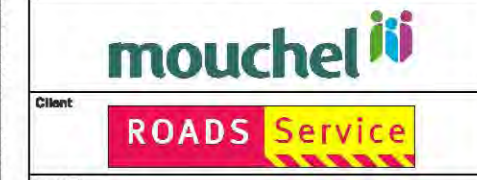
Key:  
 --- Existing Ground  
 — Proposed Road



Scale: Horiz 1:1250 Vert 1:250  
 H:\720336\00 Documents\05 Drawings\02 Phase B\2000\

Ver	Amendment	By	Checked	Approved	Date

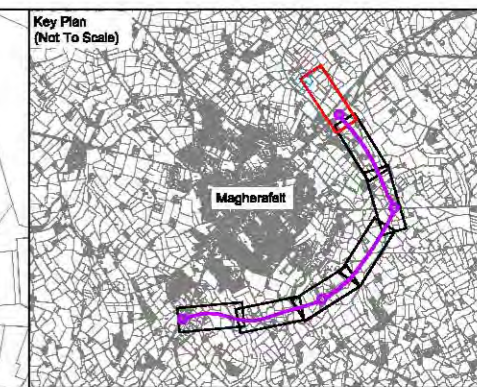
Drawn: AMI, Date: 27/08/07, Checked: LE, Date: 27/08/07, Approved: JCM, Date: 27/08/07  
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Project: **A31 Magherafelt Bypass**

Title: **Plan and Section Purple Route Sheet 6 of 7**

Scale @ A1: **As Shown**  
 Drawing No.: **720336.B.D.2013**



Ver	Amendment	By	Checked	Approved	Date

Drawn: AMI, Date: 27/08/07, Checked: LE, Date: 27/08/07, Approved: JCM, Date: 27/08/07

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Client: ROADS Service

Project: A31 Magherafelt Bypass

Title: Plan and Section Purple Route Sheet 7 of 7

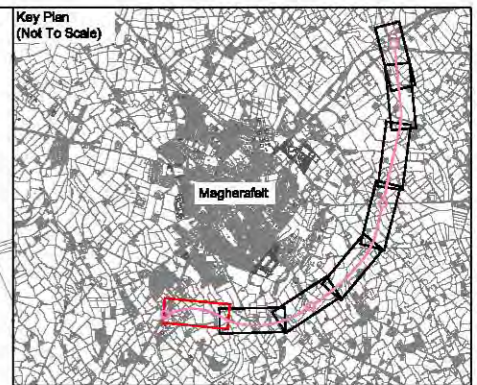
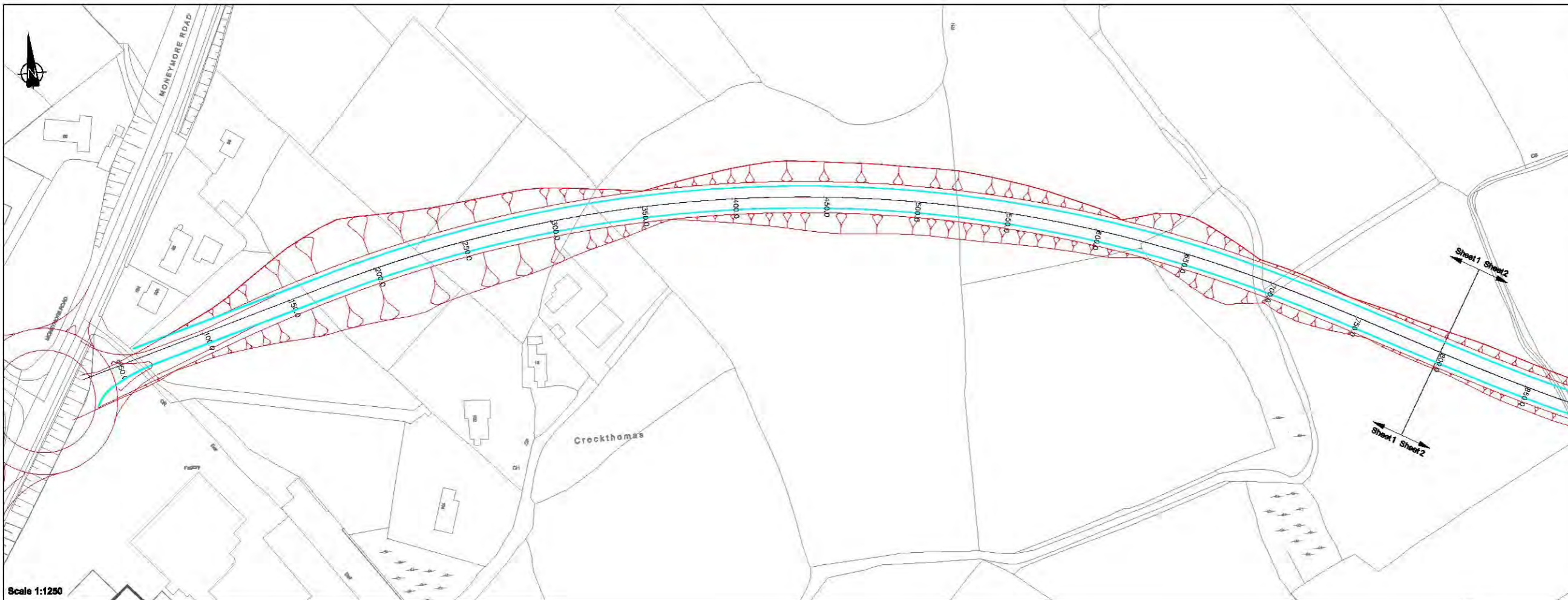
Scale @ A1: As Shown

Drawing No.: 720336.B.D.2013

Ver. A

Scale: Horiz 1:1250 Vert 1:250  
H:\720336\00 Documents\05 Drawings\02 Phase B\2000\

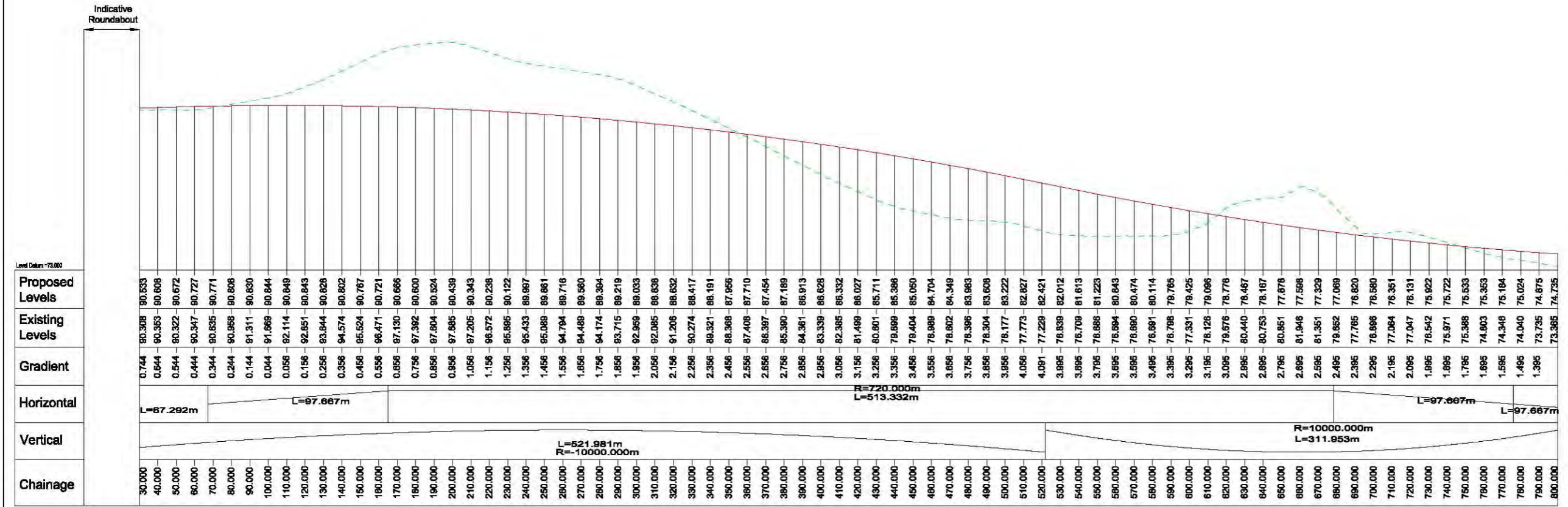
Figure 5.2g © Mouchel



NB Additional Items in dark grey are updates to the OS Map

Scale 1:1250

Key:  
 --- Existing Ground  
 — Proposed Road



Scale: Horiz 1:1250 Vert 1:250  
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Ver	Amendment	By	Checked	Approved	Date

Drawn AMI Date 27/08/07 Checked LE Date 27/08/07 Approved JCM Date 27/08/07  
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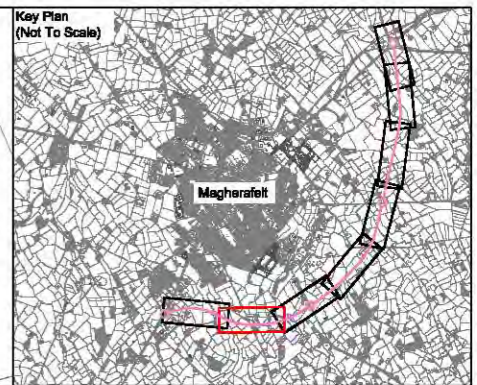
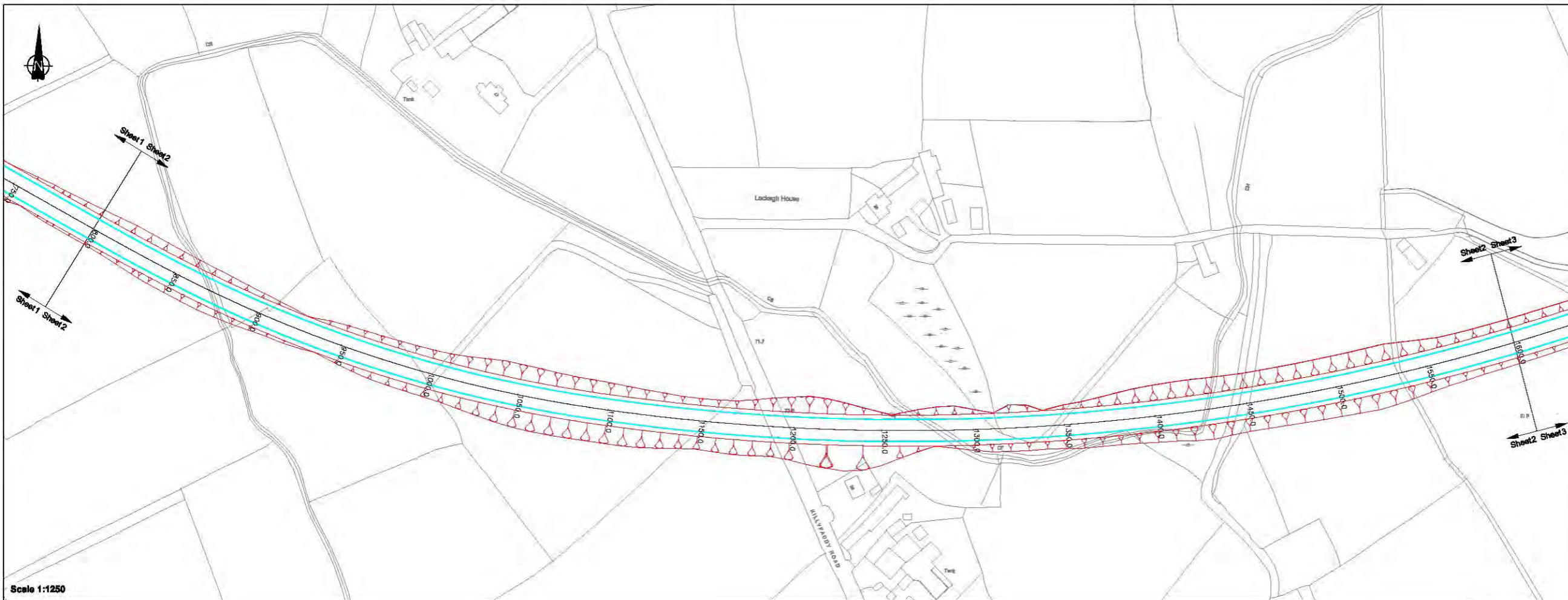
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Client  
**A31 Magherafelt Bypass**

Title  
**Plan and Section  
 Pink Route  
 Sheet 1 of 8**

Scale @ A1  
**As Shown**  
 Drawing No. **720336.B.D.2028**

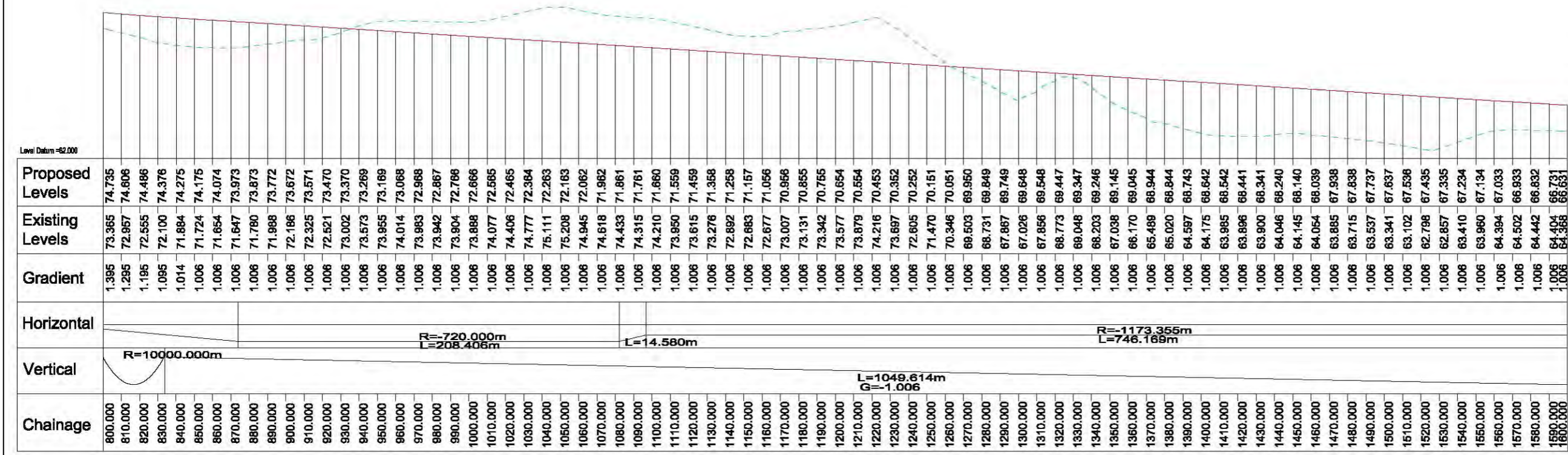
Ver. **A**



NB Additional items in dark grey are updates to the OS Map

Scale 1:1250

Key:  
 --- Existing Ground  
 --- Proposed Road



Scale: Horiz 1:1250 Vert 1:250  
 H:\270336\08 Documents\05 Drawings\02 Phase B\2000\

Ver	Amendment	By	Checked	Approved	Date

Drawn AMI Date 27/08/07 Checked LE Date 27/08/07 Approved JCM Date 27/08/07  
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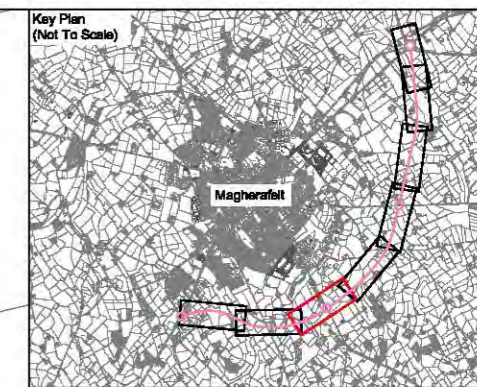
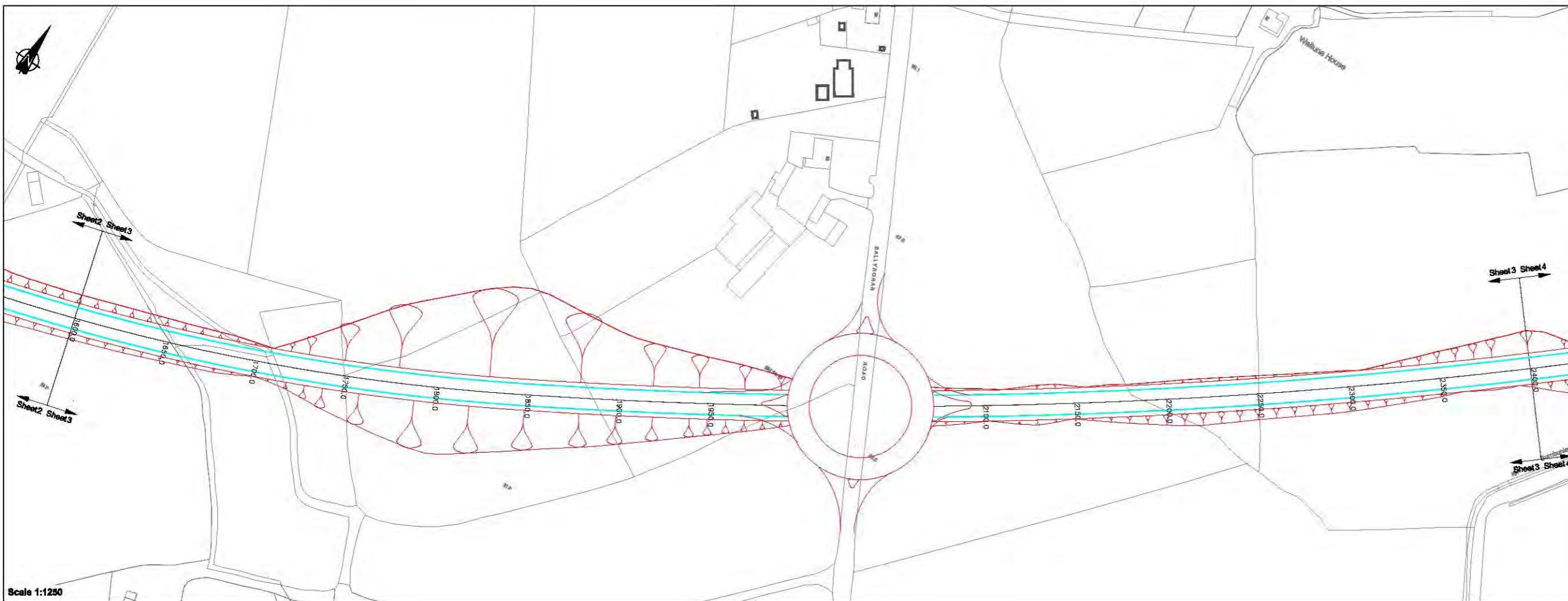
Project  
**A31 Magherafelt Bypass**

Title  
**Plan and Section  
 Pink Route  
 Sheet 2 of 8**

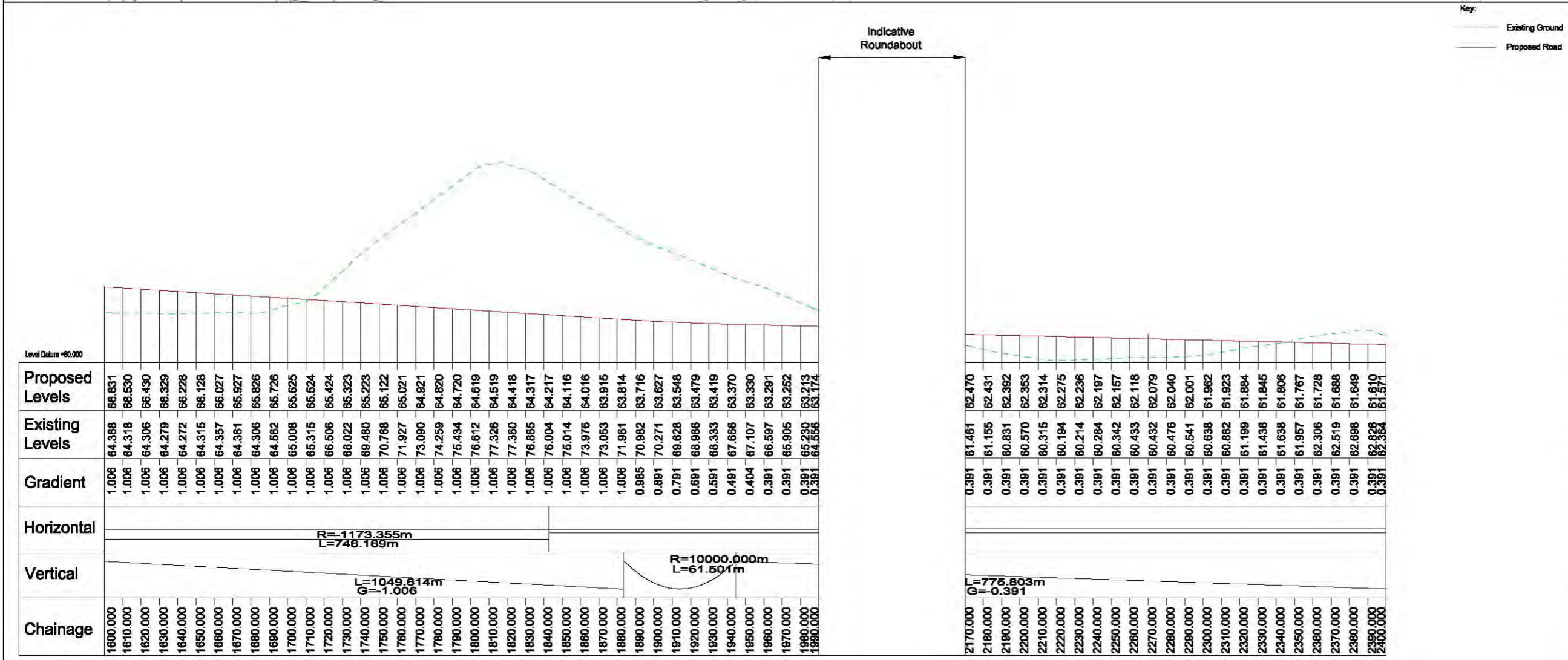
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**As Shown**  
 Drawing No. **720336.B.D.2028**

Ver. **A**





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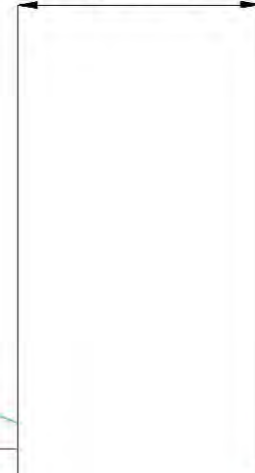


Key:  
 - - - Existing Ground  
 — Proposed Road

Level Datum +60.000

Chainage	Proposed Levels	Existing Levels	Gradient
1600.000	66.631	64.368	1.006
1610.000	66.530	64.318	1.006
1620.000	66.430	64.306	1.006
1630.000	66.329	64.279	1.006
1640.000	66.228	64.272	1.006
1650.000	66.128	64.315	1.006
1660.000	66.027	64.357	1.006
1670.000	65.927	64.361	1.006
1680.000	65.826	64.306	1.006
1690.000	65.726	64.562	1.006
1700.000	65.625	65.008	1.006
1710.000	65.524	65.315	1.006
1720.000	65.424	66.506	1.006
1730.000	65.323	66.022	1.006
1740.000	65.223	66.480	1.006
1750.000	65.122	70.768	1.006
1760.000	65.021	71.927	1.006
1770.000	64.921	73.090	1.006
1780.000	64.820	74.259	1.006
1790.000	64.720	75.434	1.006
1800.000	64.619	76.612	1.006
1810.000	64.519	77.326	1.006
1820.000	64.418	77.360	1.006
1830.000	64.317	76.865	1.006
1840.000	64.217	76.004	1.006
1850.000	64.116	75.014	1.006
1860.000	64.016	73.976	1.006
1870.000	63.915	73.053	1.006
1880.000	63.814	71.981	1.006
1890.000	63.716	70.982	0.985
1900.000	63.627	70.271	0.891
1910.000	63.548	69.628	0.791
1920.000	63.479	68.986	0.691
1930.000	63.419	68.333	0.591
1940.000	63.370	67.666	0.491
1950.000	63.330	67.107	0.404
1960.000	63.291	66.597	0.391
1970.000	63.252	66.905	0.391
1980.000	63.213	65.230	0.391
1990.000	63.174	64.556	0.391

Indicative Roundabout



Chainage	Proposed Levels	Existing Levels	Gradient
2170.000	62.470	61.461	0.391
2180.000	62.431	61.155	0.391
2190.000	62.392	60.831	0.391
2200.000	62.353	60.570	0.391
2210.000	62.314	60.315	0.391
2220.000	62.275	60.194	0.391
2230.000	62.236	60.214	0.391
2240.000	62.197	60.284	0.391
2250.000	62.157	60.342	0.391
2260.000	62.118	60.433	0.391
2270.000	62.079	60.432	0.391
2280.000	62.040	60.476	0.391
2290.000	62.001	60.541	0.391
2300.000	61.962	60.638	0.391
2310.000	61.923	60.882	0.391
2320.000	61.884	61.189	0.391
2330.000	61.845	61.436	0.391
2340.000	61.806	61.638	0.391
2350.000	61.767	61.957	0.391
2360.000	61.728	62.306	0.391
2370.000	61.688	62.519	0.391
2380.000	61.649	62.698	0.391
2390.000	61.610	62.626	0.391
2400.000	61.571	62.364	0.391

Scale: Horiz 1:1250 Vert 1:250  
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Ver	Amendment	By	Checked	Approved	Date

Drawn AMI Date 27/08/07 Checked LE Date 27/08/07 Approved JCM Date 27/08/07

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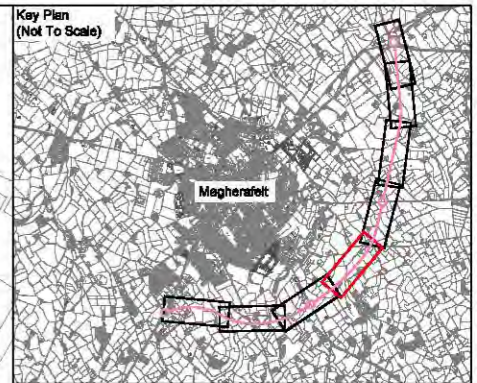
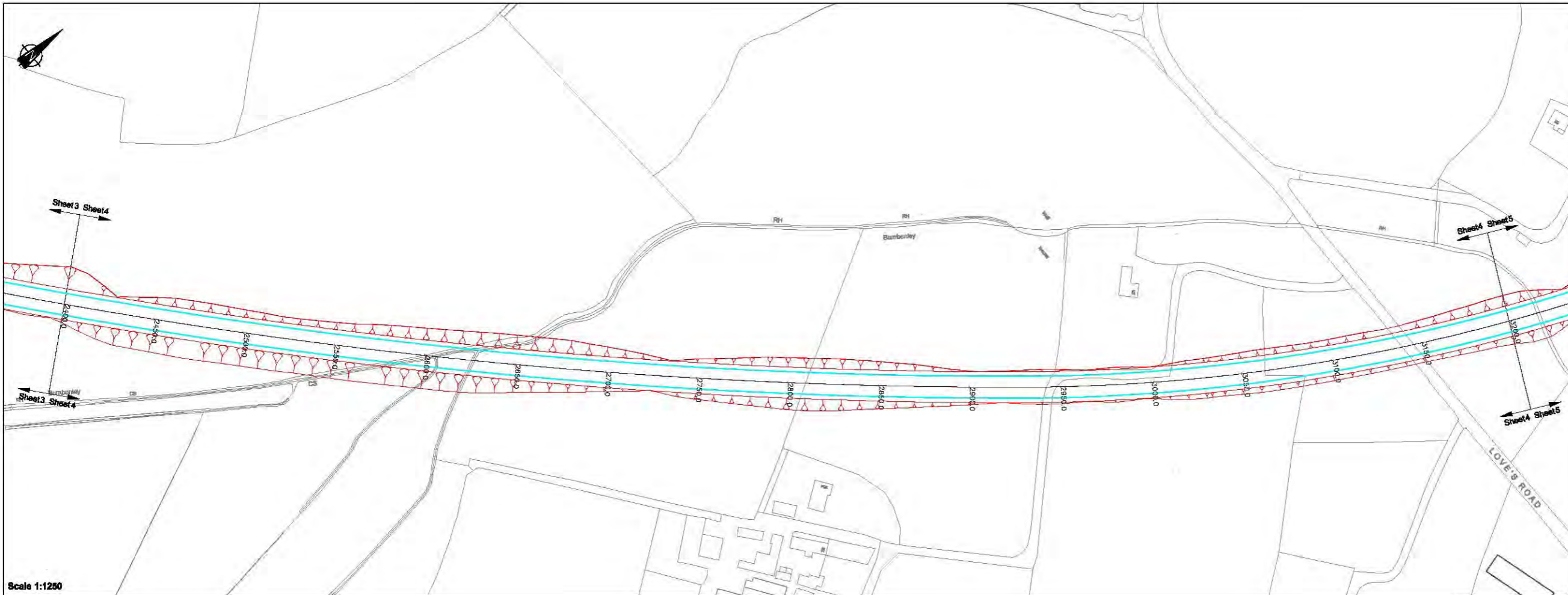
Project: **A31 Magherafelt Bypass**

Title: **Plan and Section Pink Route Sheet 3 of 8**

Scale @ A1: **As Shown** Ver. **A**

Drawing No. **720336.B.D.2028**

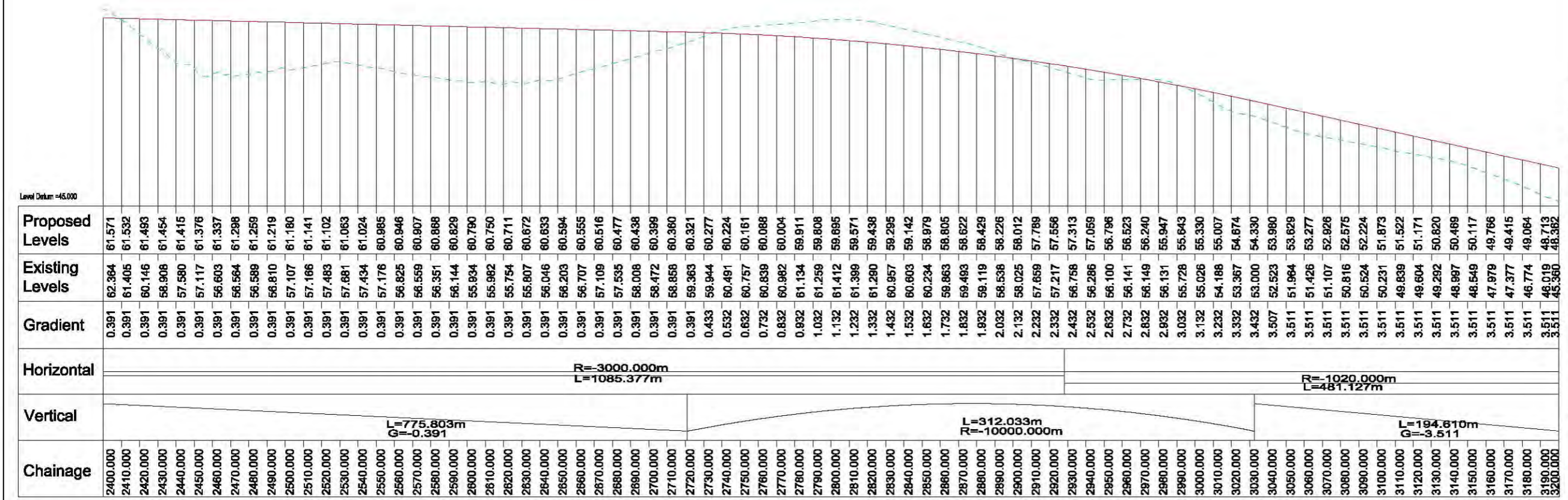
Figure 5.3c © Mouchel



NB Additional items in dark grey are updates to the OS Map

Scale 1:1250

Key:  
 Existing Ground  
 Proposed Road



Ver	Amendment	By	Checked	Approved	Date

Drawn AMI Date 27/08/07 Checked LE Date 27/08/07 Approved JCM Date 27/08/07  
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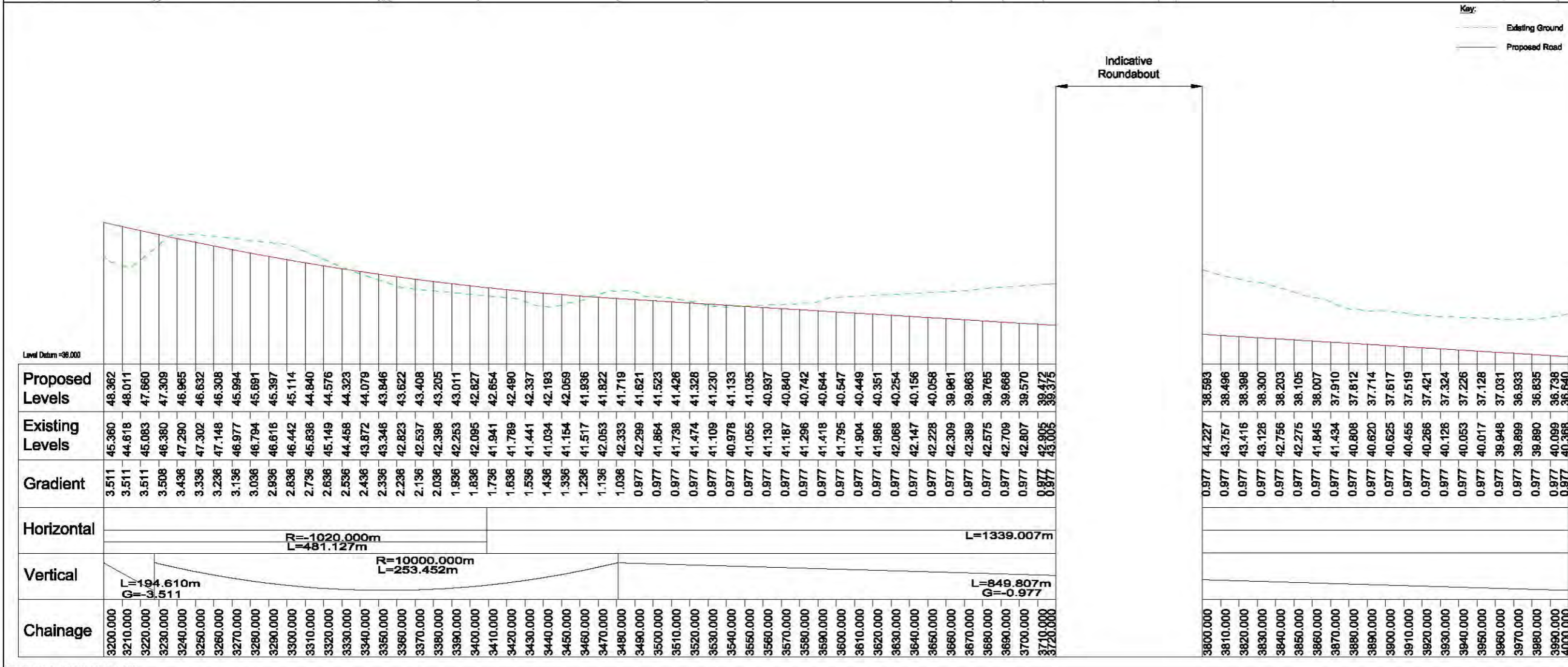
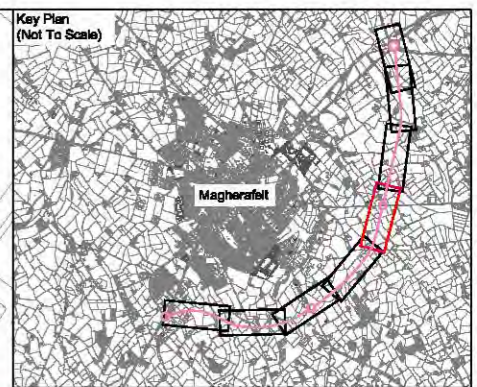
Client  
**A31 Magherafelt Bypass**

Title  
**Plan and Section  
 Pink Route  
 Sheet 4 of 8**

Scale @ A1  
**As Shown**  
 Drawing No. **720336.B.D.2028**

Scale: Horiz 1:1250 Vert 1:250  
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Figure 5.3d © Mouchel



Ver	Amendment	By	Checked	Approved	Date

Drawn	Date	Checked	Date	Approved	Date
AMI	27/08/07	LE	27/08/07	JCM	27/08/07

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Client: **mouchel** ROADS Service

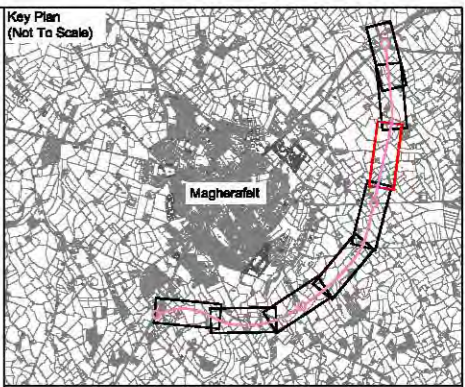
Project: **A31 Magherafelt Bypass**

Title: **Plan and Section Pink Route Sheet 5 of 8**

Scale @ A1: **As Shown**

Drawing No.: **720336.B.D.2028**

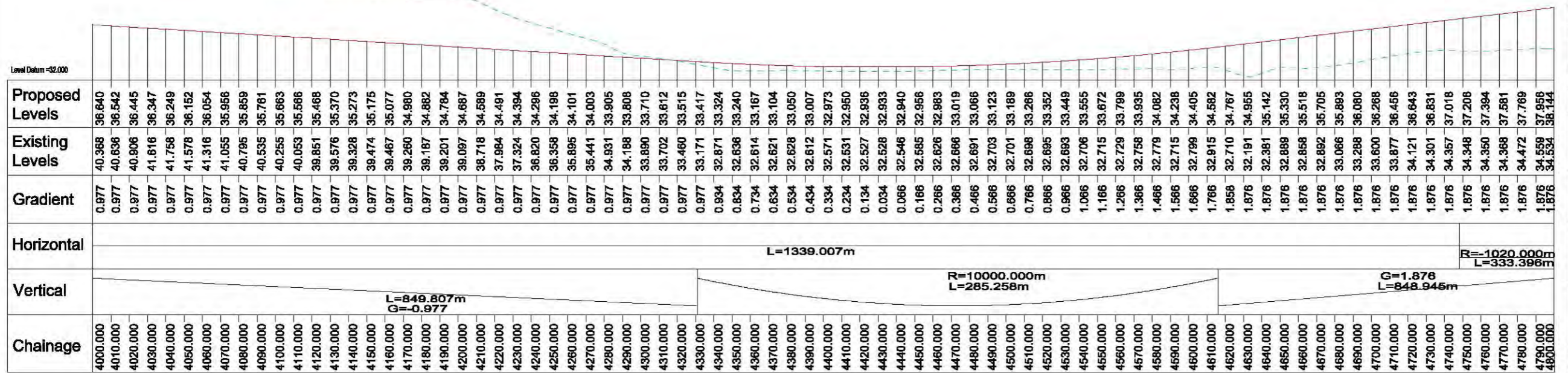
Ver. **A**



NB Additional Items in dark grey are updates to the OS Map

Scale 1:1250

Key:  
 — Existing Ground  
 — Proposed Road



Ver	Amendment	By	Checked	Approved	Date
AMI			JCM		27/08/07

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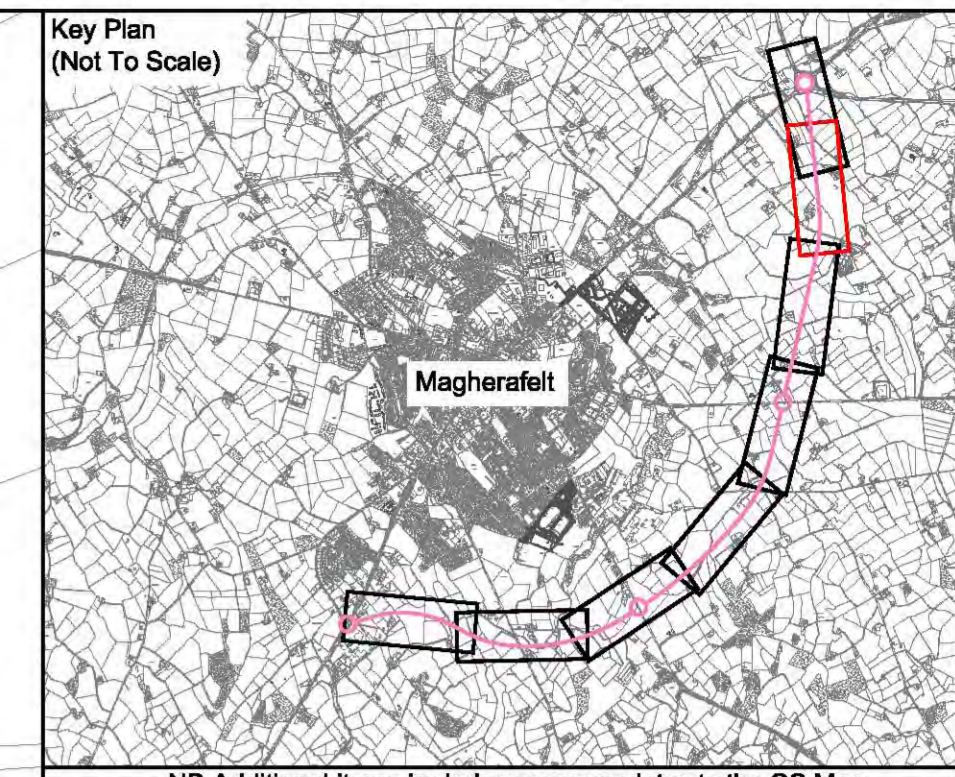


Project  
**A31 Magherafelt Bypass**

Title  
**Plan and Section  
 Pink Route  
 Sheet 6 of 8**

Scale @ A1  
**As Shown**  
 Drawing No. **720336.B.D.2028**

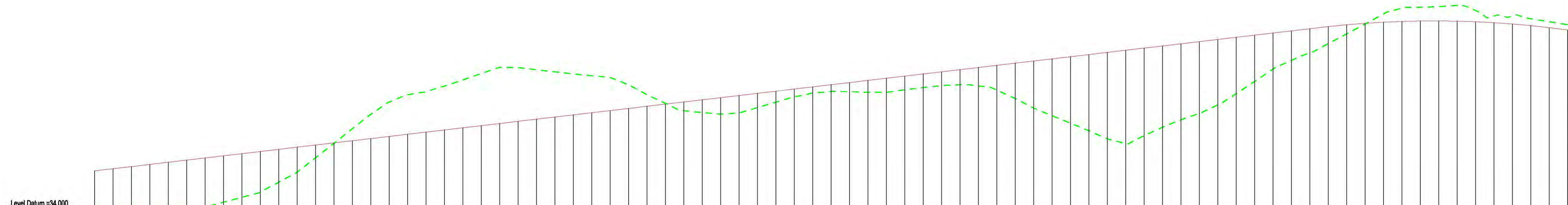
Ver.  
**A**



NB Additional Items in dark grey are updates to the OS Map

Scale 1:1250

Key:  
 - - - Existing Ground  
 — Proposed Road



Chainage	Proposed Levels	Existing Levels	Gradient
4800.000	34.534	38.144	1.876
4810.000	34.503	38.332	1.876
4820.000	34.475	38.519	1.876
4830.000	34.456	38.707	1.876
4840.000	34.442	38.894	1.876
4850.000	34.561	39.082	1.876
4860.000	34.989	39.270	1.876
4870.000	35.415	39.457	1.876
4880.000	35.840	39.645	1.876
4890.000	36.306	39.832	1.876
4900.000	37.160	40.020	1.876
4910.000	38.041	40.208	1.876
4920.000	39.285	40.395	1.876
4930.000	40.552	40.583	1.876
4940.000	41.822	40.770	1.876
4950.000	43.068	40.958	1.876
4960.000	44.140	41.146	1.876
4970.000	44.777	41.333	1.876
4980.000	45.038	41.521	1.876
4990.000	45.527	41.708	1.876
5000.000	46.068	41.896	1.876
5010.000	46.620	42.083	1.876
5020.000	47.146	42.271	1.876
5030.000	47.142	42.459	1.876
5040.000	46.948	42.646	1.876
5050.000	46.763	42.834	1.876
5060.000	46.588	43.021	1.876
5070.000	46.423	43.209	1.876
5080.000	46.264	43.397	1.876
5090.000	45.613	43.584	1.876
5100.000	44.773	43.772	1.876
5110.000	44.030	43.959	1.876
5120.000	43.384	44.147	1.876
5130.000	43.224	44.335	1.876
5140.000	43.080	44.522	1.876
5150.000	43.191	44.710	1.876
5160.000	43.657	44.897	1.876
5170.000	44.132	45.085	1.876
5180.000	44.607	45.273	1.876
5190.000	44.948	45.460	1.876
5200.000	45.072	45.648	1.876
5210.000	45.047	45.835	1.876
5220.000	44.984	46.023	1.876
5230.000	44.997	46.211	1.876
5240.000	45.203	46.398	1.876
5250.000	45.400	46.586	1.876
5260.000	45.565	46.773	1.876
5270.000	45.646	46.961	1.876
5280.000	45.539	47.149	1.876
5290.000	45.178	47.336	1.876
5300.000	44.436	47.524	1.876
5310.000	43.616	47.711	1.876
5320.000	42.948	47.899	1.876
5330.000	42.297	48.087	1.876
5340.000	41.633	48.274	1.876
5350.000	40.943	48.462	1.876
5360.000	40.514	48.649	1.876
5370.000	41.209	48.837	1.876
5380.000	41.950	49.025	1.876
5390.000	42.586	49.212	1.876
5400.000	43.158	49.400	1.876
5410.000	43.892	49.587	1.876
5420.000	44.873	49.775	1.876
5430.000	45.936	49.962	1.876
5440.000	47.005	50.150	1.876
5450.000	47.769	50.338	1.876
5460.000	48.419	50.525	1.876
5470.000	49.224	50.709	1.838
5480.000	50.078	50.887	1.575
5490.000	50.936	50.994	1.275
5500.000	51.818	51.091	0.975
5510.000	52.306	51.159	0.675
5520.000	52.394	51.196	0.375
5530.000	52.451	51.204	0.075
5540.000	52.555	51.181	0.225
5550.000	52.108	51.129	0.525
5560.000	51.635	51.046	0.825
5570.000	51.629	50.934	1.125
5580.000	51.385	50.791	1.425
5590.000	51.130	50.619	1.725
5600.000	50.869	50.416	2.025

Scale: Horiz 1:1250 Vert 1:250  
 H:\270336\09 Documents\05 Drawings\02 Phase B\2000\

Ver	Amendment	By	Checked	Approved	Date

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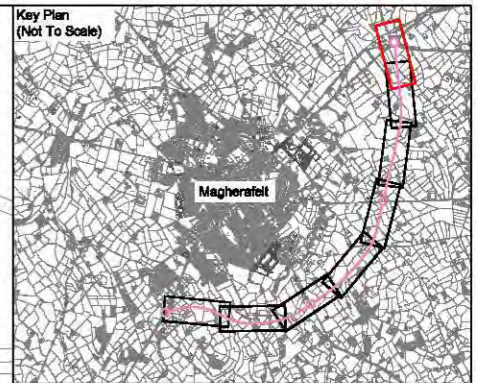
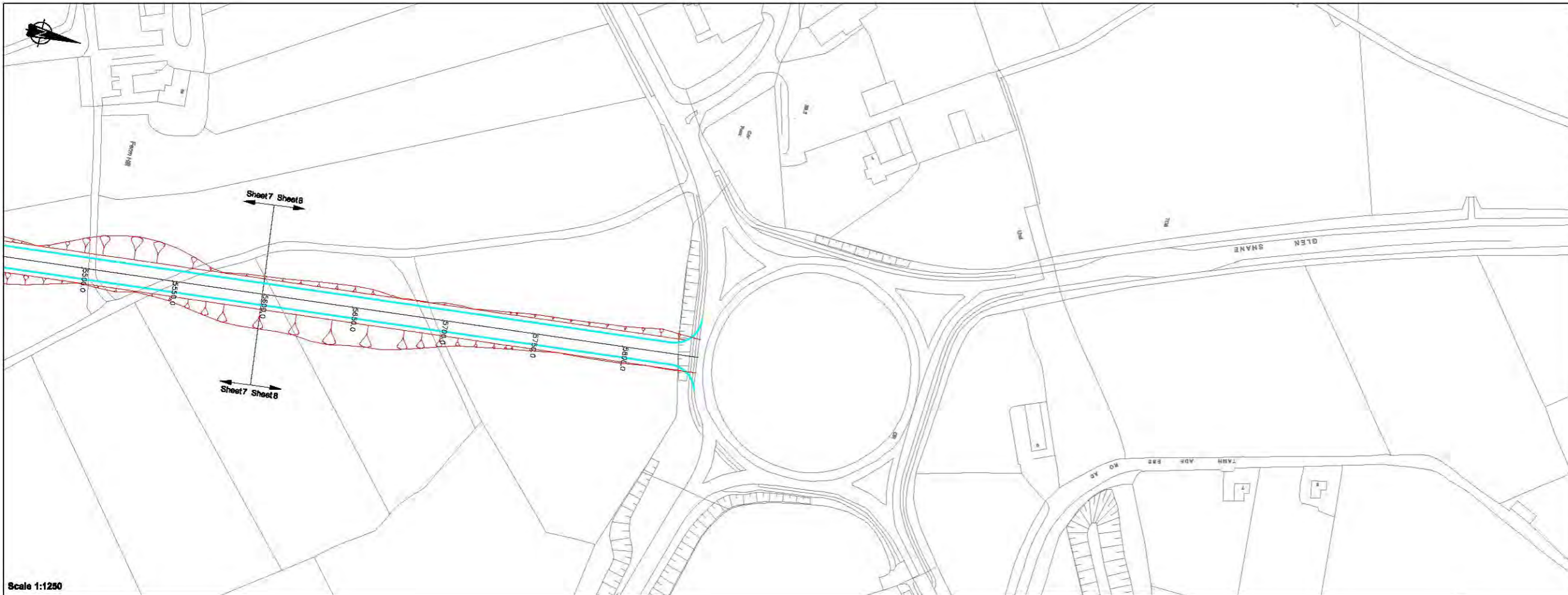
Client  
**ROADS Service**

Project  
**A31 Magherafelt Bypass**

Title  
**Plan and Section  
 Pink Route  
 Sheet 7 of 8**

Scale @ A1  
**As Shown**  
 Drawing No. **720336.B.D.2028**

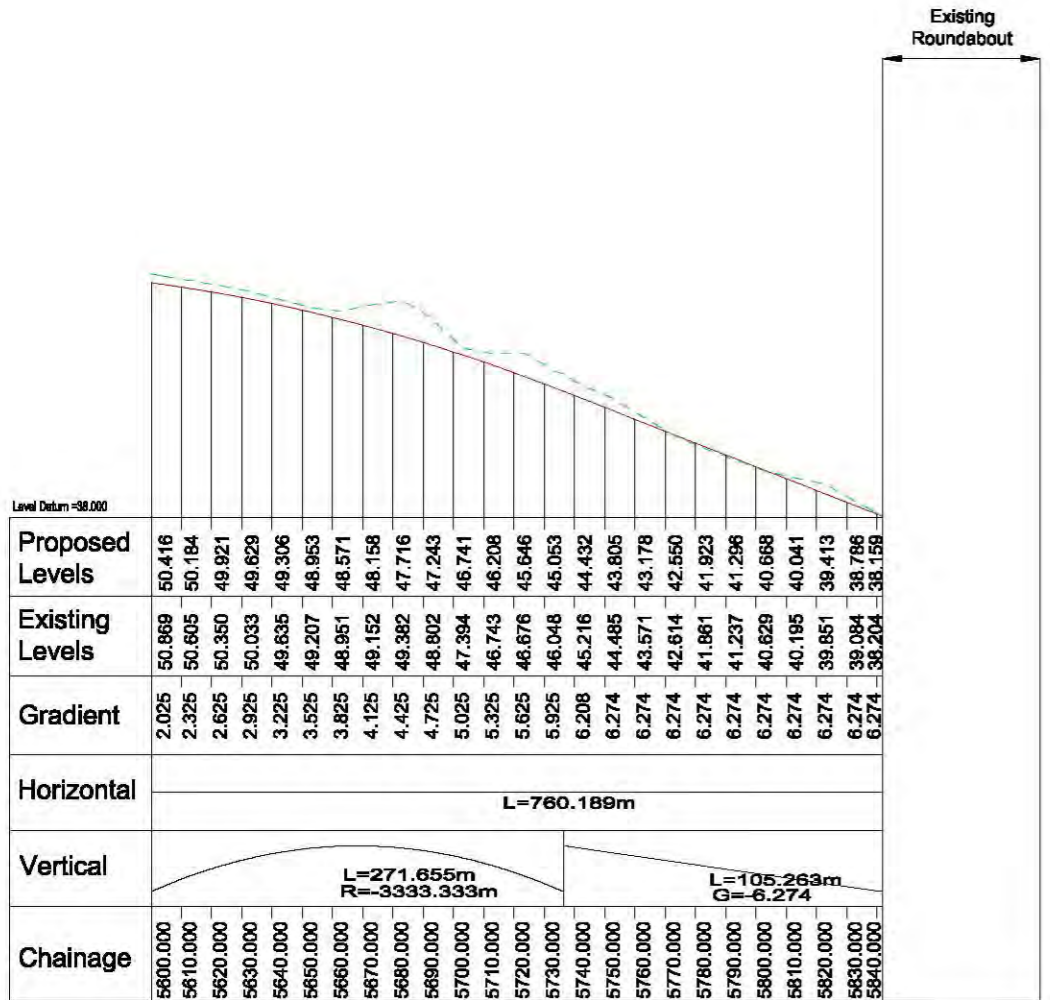
Ver.  
**A**



NB Additional items in dark grey are updates to the OS Map

Scale 1:1250

Key:  
 - - - Existing Ground  
 — Proposed Road



Scale: Horiz 1:1250 Vert 1:250  
 H:\270336\08 Documents\05 Drawings\02 Phase B\2000\

Ver	Amendment	By	Checked	Approved	Date

Drawn AMI Date 27/08/07 Checked LE Date 27/08/07 Approved JCM Date 27/08/07  
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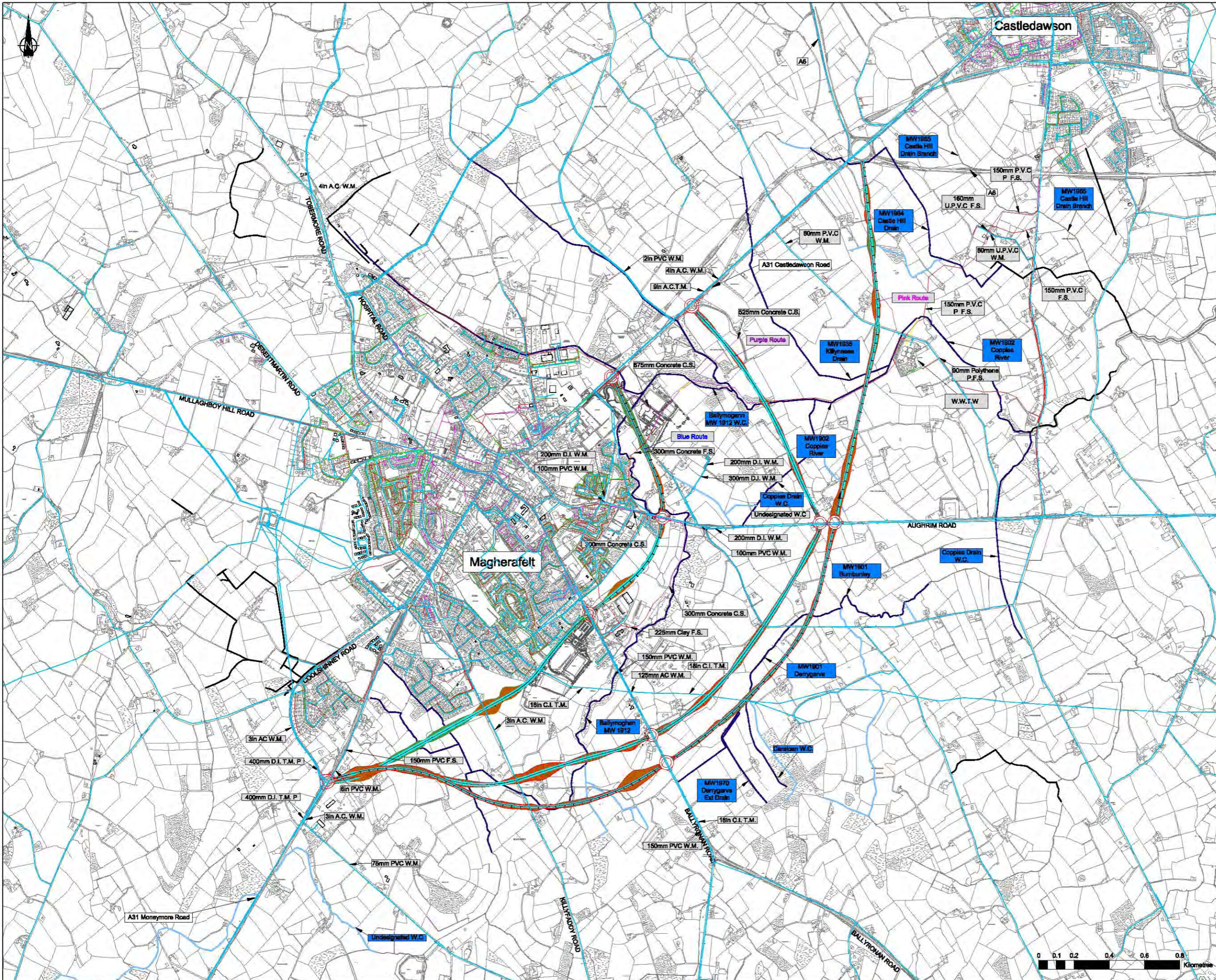
Client  
**ROADS Service**

Project  
**A31 Magherafelt Bypass**

Title  
**Plan and Section  
 Pink Route  
 Sheet 8 of 8**

Scale @ A1 **As Shown** Ver. **A**  
 Drawing No. **720336.B.D.2028**

Figure 5.3h © Mouchel



- Key**
- Water Main (W.M.)
  - Designated Watercourse
  - Undesignated Watercourse
  - Foul Sewer (F.S.)
  - Storm Sewer (S.S.)
  - Combined Sewer (C.S.)
  - Earthworks - Cut
  - Earthworks - Fill
  - MW Designated Drain
- Abbreviations**
- A.C. = Asbestos Cement
  - D.I. = Ductile Iron
  - C.I. = Cast Iron
  - P. = Pumped
  - T.M. = Trunk Main
  - P.V.C = Polyvinyl Chloride
  - U.P.V.C = Unplasticized polyvinyl chloride
  - H.P.P.E = High Pressure Polyethylene
  - W.W.T.W = Waste Water Treatment Works

**Notes**

- Additional items in dark grey are updates to the OS map

**NI Water Disclaimer**

The position of NI Water LTD services shown on this plan should be regarded as approximate and should not be relied upon. NI Water LTD does not accept any liability for loss or damage to any person or property caused as a result of any inaccuracy in the information. It is your responsibility to determine the exact location of NI Water LTD services, prior to any excavation work being undertaken and it is recommended that hand dug trial holes are used to determine the precise location.

Ver	Amendment	By	Checked	Approved	Date
B		JD	OC		

Drawn AMI Date 11/01/08 Checked MK Date 11/01/08 Approved JCM Date 11/01/08

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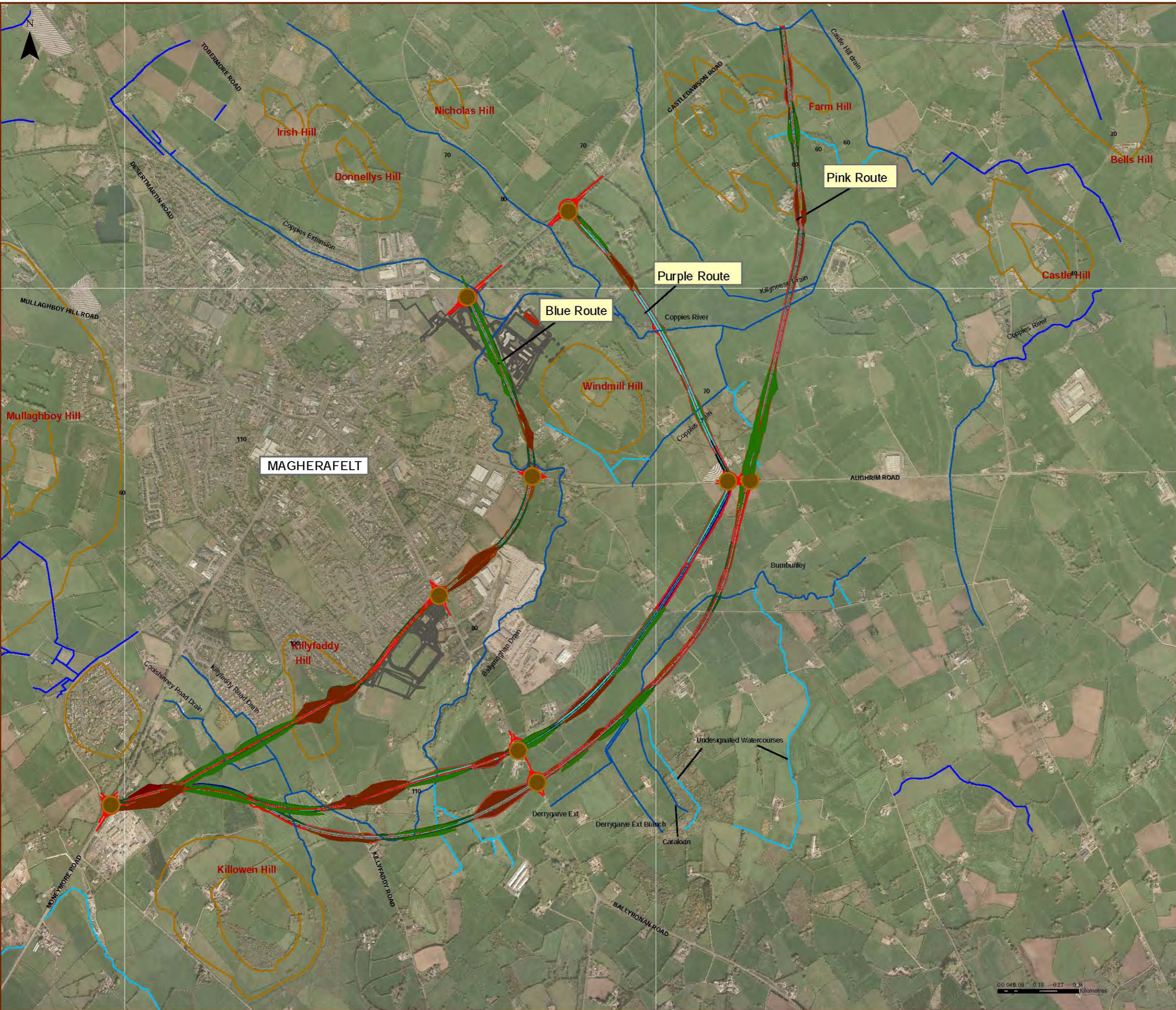
Client  
**A31 Magherafelt Bypass**

Title  
**Route Options  
Drainage & Northern Ireland  
Water Infrastructure**

Scale @ A1  
**1:10,000**

Drawing No. **720336.B.D.4040**





- Key**
- Water Courses
  - Hills
  - 80 Spot Heights
  - Direction of water flow

Ver	Amendment	By	Checked	Approved	Date	
Drawn	CM	Date	04/10/07	Checked	LE	
		Date	04/10/07	Approved	JCM	
		Date	04/10/07			
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Client						
Project	A31 Magherafelt Bypass					
Title	Topography and Hydrology					
Scale @ A1	1:10,000				Ver.	B
Drawing No.	720336.B.D.5620					

Figure 5.4









