

NOTES:

LEGEND:  
 EXISTING ROUTE

Rev	Date	Description	Drawn	Check	Approv
P01	22FEB18	FIT FOR INFORMATION		MS	MT GH

Vale of Glamorgan

PROJECT:  
**M4 JUNCTION  
 34 TO A48  
 WelTAG S2**

Site: **Civic Offices**  
 Holton road  
 Barry  
 CF63 4RU  
 Phone +44 (0)1446 704 768  
 Fax ccameron@valeofglamorgan.gov.uk  
 www.valeofglamorgan.gov.uk



Registered office: Arcadis House, 34 York Way, London N1 9AB  
 Coordinating office: Arcadis Cymru House, Fortran Road, St Mellons, Cardiff, CF3 0EY  
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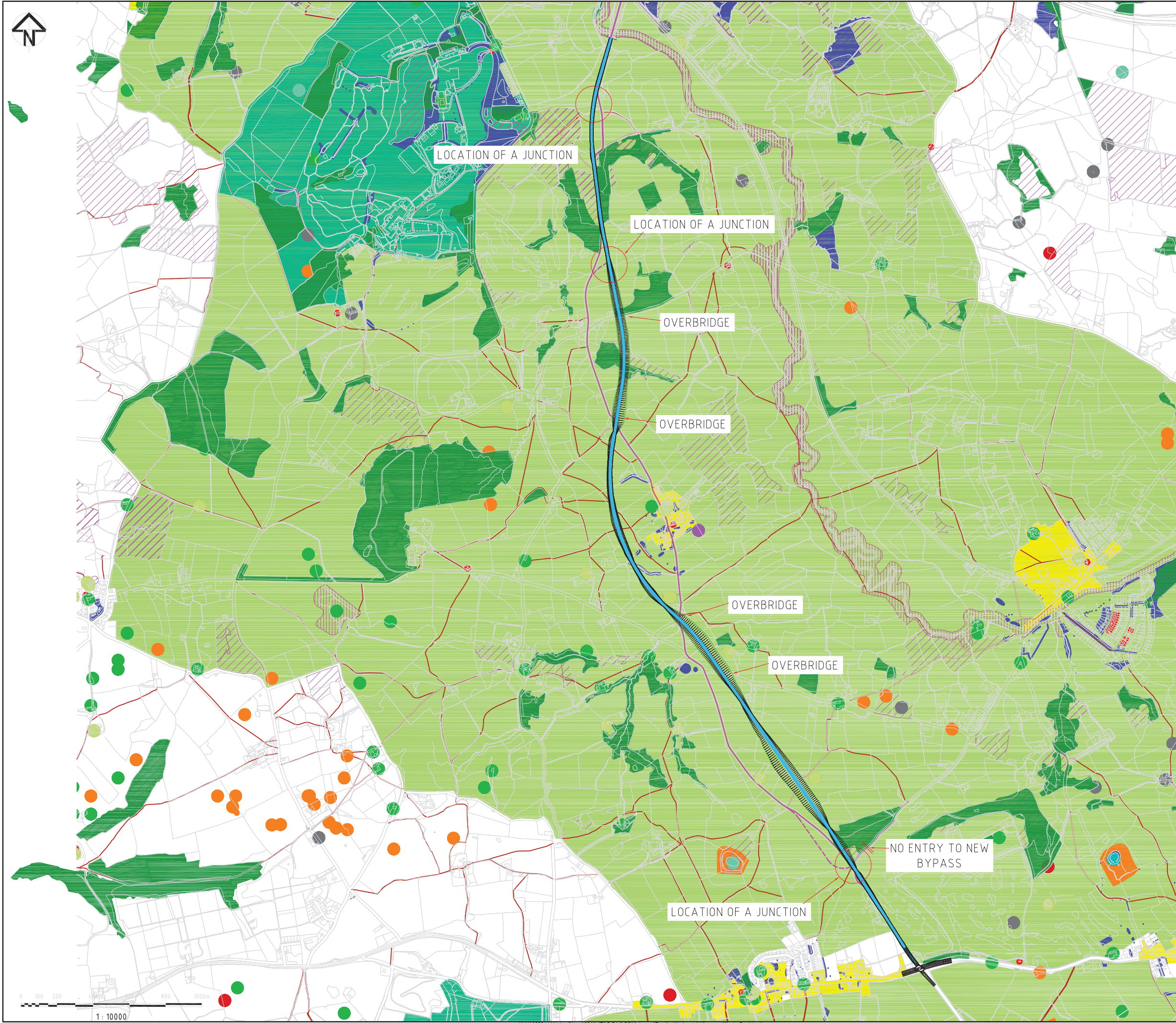
TITLE:  
**West Alignment**

Designed	R. ELLIS	Signed	Date: 22FEB18
Drawn	M. SMITH	Signed	Date: 22FEB18
Checked	M. THOMAS	Signed	Date: 22FEB18
Approved	G. HARRIS	Signed	Date: 22FEB18
Scale:	1:10000	Datum:	AOD
Original Size:	A1	Grid:	OS
Suitability Code:	S2	Project Number:	10013270

**FIT FOR INFORMATION**

Drawing Number: 10013270-ARC-XX-XX-DR-HE-0005  
 Revision: P01





NOTES:

- LEGEND:**
- ARCHAEOLOGICAL FEATURES:**
- ROMAN
  - BRONZE AGE
  - NEOLITHIC
  - MEDIEVAL
  - POST MEDIEVAL
  - EARLY MEDIEVAL
  - IRON AGE
  - METHOLITHIC
  - MODERN
  - MULTI PERIOD
  - PREHISTORIC
  - UNKNOWN
- EXISTING ROUTE**
- PUBLIC RIGHT OF WAY**
- ECOLOGY AND NATURE CONSERVATION:**
- SITE OF SPECIAL SCIENTIFIC INTEREST
  - SITES OF IMPORTANCE FOR NATURE CONSERVATION
  - TREE PRESERVATION ORDER
  - SPECIAL LANDSCAPE AREAS
  - AIR QUALITY MANAGEMENT AREA
- DESIGNATED HERITAGE ASSETS:**
- SCHEDULED MONUMENTS
  - LISTED BUILDINGS
  - CONSERVATION AREA
  - PARKS AND GARDENS
  - ANCIENT WOODLAND

P01	22FEB18	FIT FOR INFORMATION	MS	MT	GH
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Vale of Glamorgan



PROJECT:  
M4 JUNCTION  
34 TO A48  
WeiTAG S2

<b>Site</b>	<b>Client</b>
	Civic Offices Holton road Barr CF63 4RU Phone +44 (0)1446 704 768 Fax ccameron@valeofglamorgan.gov.uk www.valeofglamorgan.gov.uk



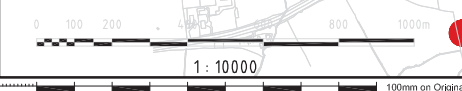
Registered office: Arcadis House, 34 York Way, London, N1 9AB  
Coordinating office: Arcadis Cymru House, Fortran Road, St Mellons, Cardiff, CF3 0EY, Tel: 44 (0)29 2092 6700

**TITLE:**  
West Alignment  
With Environmental Constraints

Designed	R. ELLIS	Signoff	22FEB18
Drawn	M. SMITH	Signoff	22FEB18
Checked	M. THOMAS	Signoff	22FEB18
Approved	G. HARRIS	Signoff	22FEB18
Scale:	1:10000	Datum:	AOD
Original Size:	A1	Grid:	OS
Suitability Code:	S2	Project Number:	10013270

**Suitability Description:**  
FIT FOR INFORMATION

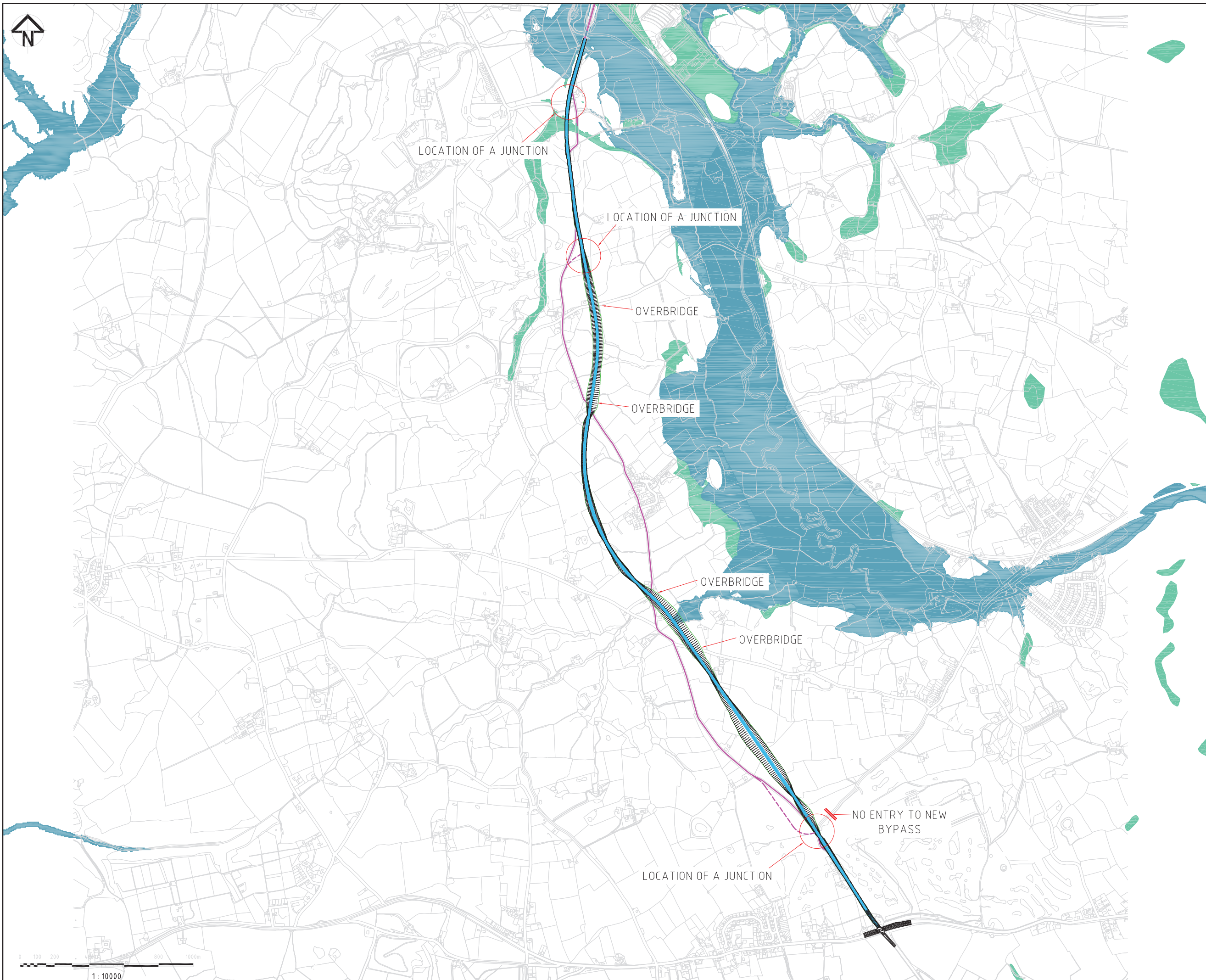
Drawing Number:	10013270-ARC-XX-XX-DR-HE-0006	Revision:	P01
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NOTES:

LEGEND:

- EXISTING ROUTE
- FLOOD RISK ZONE DATA:
- FLOOD ZONE B
- FLOOD ZONE C1
- FLOOD ZONE C2

Rev	Date	Description	MS	MT	GH
P01	22FEB18	FIR FOR INFORMATION			

Vale of Glamorgan



PROJECT:  
M4 JUNCTION  
34 TO A48  
WeiTAG S2

Site	Client
	Civic Offices Holton road Barry CF63 4RU Phone +44 (0)1446 704 768 Fax ccameron@valeofglamorgan.gov.uk www.valeofglamorgan.gov.uk



Registered office:  
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34 York Way  
London  
N1 9AB

Coordinating office:  
Arcadis Cymru House  
Fortran Road, St Mellons  
Cardiff, CF3 0EY  
Tel: 44 (0)29 2092 6700

TITLE:  
West Alignment  
With Flood Zones

Designed	R. ELLIS	Signed	22FEB18
Drawn	M. SMITH	Signed	22FEB18
Checked	M. THOMAS	Signed	22FEB18
Approved	G. HARRIS	Signed	22FEB18
Scale:	1:10000	Datum:	AOD
Original Size:	A1	Grid:	OS
Suitability Code:	S2	Project Number:	10013270

Suitability Description:  
FIT FOR INFORMATION

Drawing Number: 10013270-ARC-XX-XX-DR-HE-0007	Revisor: P01
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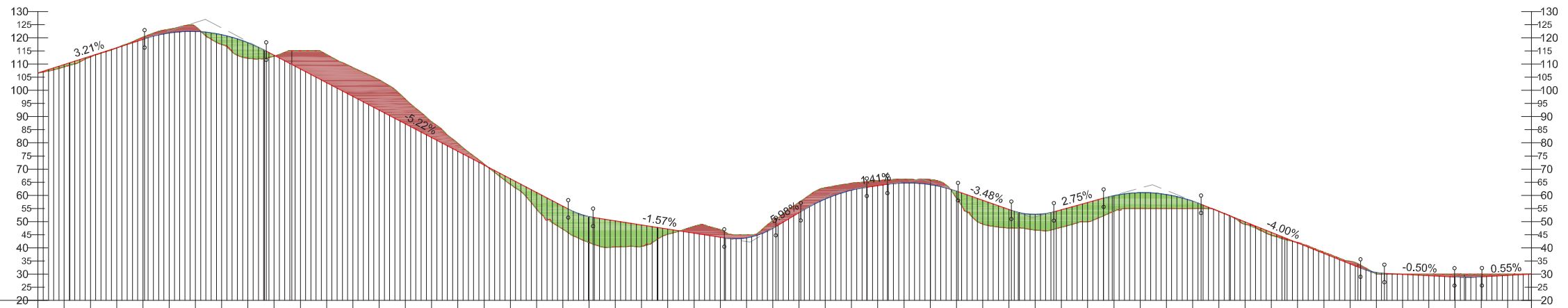
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West Alignment  
SCALE: H 1:10000, V 1:1000  
DATUM: 20.000



Chainage	Existing Ground Levels	Proposed Levels	Horizontal Geometry	Vertical Geometry	Level Difference
00,000	106.594	106.594	R=1020.000 L=121.778	G=3.206% L=406.195	0.000
100,000	108.923	109.800			0.877
200,000	112.761	115.005			0.224
300,000	116.212	116.211			-0.001
400,000	120.341	119.416			-0.925
500,000	123.308	121.822			-1.486
600,000	124.329	122.413			-1.916
700,000	117.568	121.186			3.618
800,000	112.153	118.140			5.987
900,000	112.982	113.360			0.379
1000,000	115.000	108.139			-6.861
1100,000	113.640	102.918			-10.722
1200,000	108.685	97.697			-10.988
1300,000	104.021	92.476			-11.545
1400,000	96.655	87.255			-9.400
1500,000	88.054	82.034			-6.020
1600,000	79.853	76.813			-3.041
1700,000	71.962	71.591			-0.371
1800,000	64.195	66.370			2.175
1900,000	54.823	61.149			6.326
2000,000	47.132	55.928			8.796
2100,000	42.059	51.919			9.860
2200,000	40.369	50.299			9.930
2300,000	40.578	48.725			8.148
2400,000	45.178	47.152			1.973
2500,000	48.196	45.578			-2.618
2600,000	46.936	44.004			-2.931
2700,000	45.000	43.816			-1.184
2800,000	50.417	47.430			-2.987
2900,000	57.340	53.387			-3.953
3000,000	62.927	58.579			-4.349
3100,000	64.605	61.957			-2.648
3200,000	65.688	63.674			-1.914
3300,000	66.107	64.719			-1.389
3400,000	65.995	64.069			-1.927
3500,000	58.965	61.601			2.636
3600,000	49.058	58.120			9.062
3700,000	47.614	54.636			7.021
3800,000	46.787	52.746			5.959
3900,000	47.842	54.525			6.683
4000,000	50.000	57.275			7.275
4100,000	53.961	59.885			5.924
4200,000	55.000	61.013			6.013
4300,000	55.000	60.323			5.323
4400,000	55.000	57.814			2.814
4500,000	53.918	53.908			-0.011
4600,000	49.001	49.908			0.907
4700,000	44.612	45.909			1.297
4800,000	41.926	41.909			-0.017
4900,000	38.231	37.910			-0.321
5000,000	34.862	33.910			-0.952
5100,000	30.111	30.612			0.502
5200,000	30.000	29.934			-0.066
5300,000	30.000	29.435			-0.565
5400,000	30.000	28.937			-1.063
5500,000	30.000	28.960			-1.040
5600,000	30.000	29.505			-0.495
5690,661	30.000	30.000			0.000

REV	Date	Description	Drawn	Check	Approv
P01		FIT FOR INFORMATION	RE	MT	GH

NOTES:

Print Date: 2018-02-22 11:07:45

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**Vale of Glamorgan**

Client: Cwic Offices, Holton Road, Barry, CF63 4RU, Phone +44 (0)1446 704 768, Fax ccameron@valeofglamorgan.gov.uk, www.valeofglamorgan.gov.uk

Suitability Description:

**FIT FOR INFORMATION**

Designed	R. ELLIS	Date	22FEB18	Signed	
Drawn	R. ELLIS	Date	22FEB18	Signed	
Checked	M. THOMAS	Date	22FEB18	Signed	
Approved	G. HARRIS	Date	22FEB18	Signed	
Scale:	As shown	Datum:	ACD		
Original Size:	A1	Grid:	OS		
Suitability Code:	S2	Project Number:	10013270		

PROJECT: M4 JUNCTION 34 TO A48 WellTAG S2

TITLE: West Alignment Longsection

Registered office: Arcadis House, 34 York Way, London N1 9AB

Coordinating office: Unit 17 Innovation Centre, Bridge of Don, Aberdeen AB23 8GX, Tel: 44 (0)1224 822494

www.arcadis.com

Drawing Number: 10013270-ARC-XX-XX-DR-HE-0008

Revision: P01





NOTES:

LEGEND:

EXISTING ROUTE

Rev	Date	Description	Drawn	Check	Approv
P01	05MAR18	FIT FOR INFORMATION		MS	MT GH

### Vale of Glamorgan



PROJECT:  
M4 JUNCTION  
34 TO A48  
WelTAG S2

Site	Client
	Civic Offices Hollon road Barry CF63 4RU Phone +44 (0)1446 704 768 Fax ccameron@valeofglamorgan.gov.uk www.valeofglamorgan.gov.uk



Registered office: Arcadis House 34 York Way London N1 9AB	Coordinating office: Arcadis Cymru House Fortran Road, St Mellons Cardiff, CF3 0EY Tel: 44 (0)29 2092 6700
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www.arcadis.com

TITLE:

### West Alignment Hazards

Designed	R. ELLIS	Signed	05MAR18
Drawn	M. SMITH	Signed	05MAR18
Checked	M. THOMAS	Signed	05MAR18
Approved	G. HARRIS	Signed	05MAR18
Scale:	1:10000	Datum:	AOD
Original Size:	A1	Grid:	OS
Suitability Code:	S2	Project Number:	10013270

Suitability Description:  
**FIT FOR INFORMATION**

Drawing Number: 10013270-ARC-XX-XX-DR-HE-0010	Revision: P01
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**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

The following notes highlight significant (ie unusual or difficult to manage) residual hazards identified by the designer. Typical hazards that should be identified by a competent contractor are not included. The contractor shall carry out the works using an approved safe system of work. Further information on hazards can be found in the hazard elimination schedule.

**Decommissioning / Demolition**

- Overhead electric cables
- Asbestos in demolition of buildings
- Working alongside live traffic
- Deep Excavations
- Cotterell Golf Course Subway
- Working adjacent to the River Ely
- Pedestrians on Public Rights of Way
- Livestock in surrounding fields
- Close proximity to community of Pendoylan
- Working in flood zones
- Unknown Statutory Undertakers apparatus

