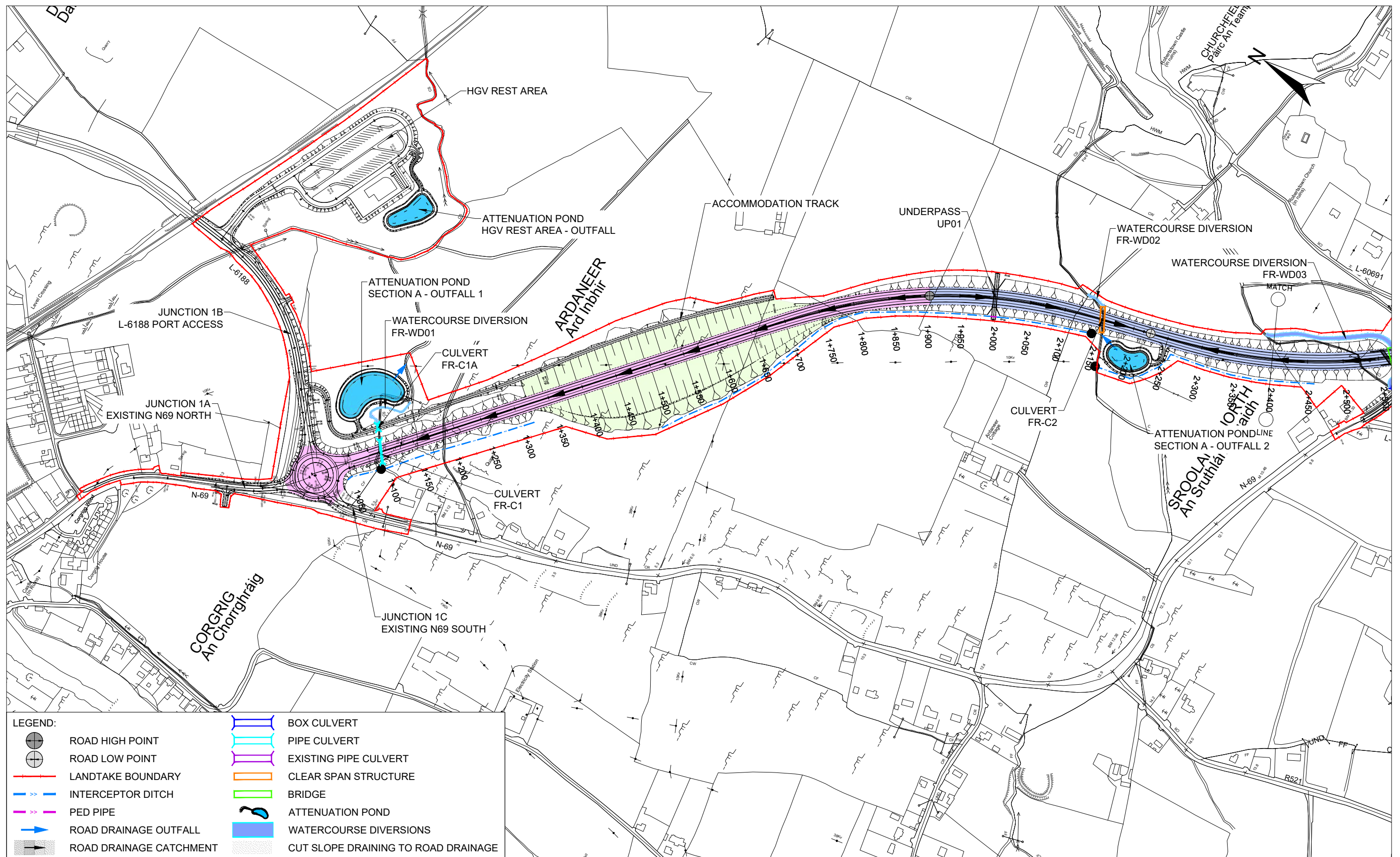




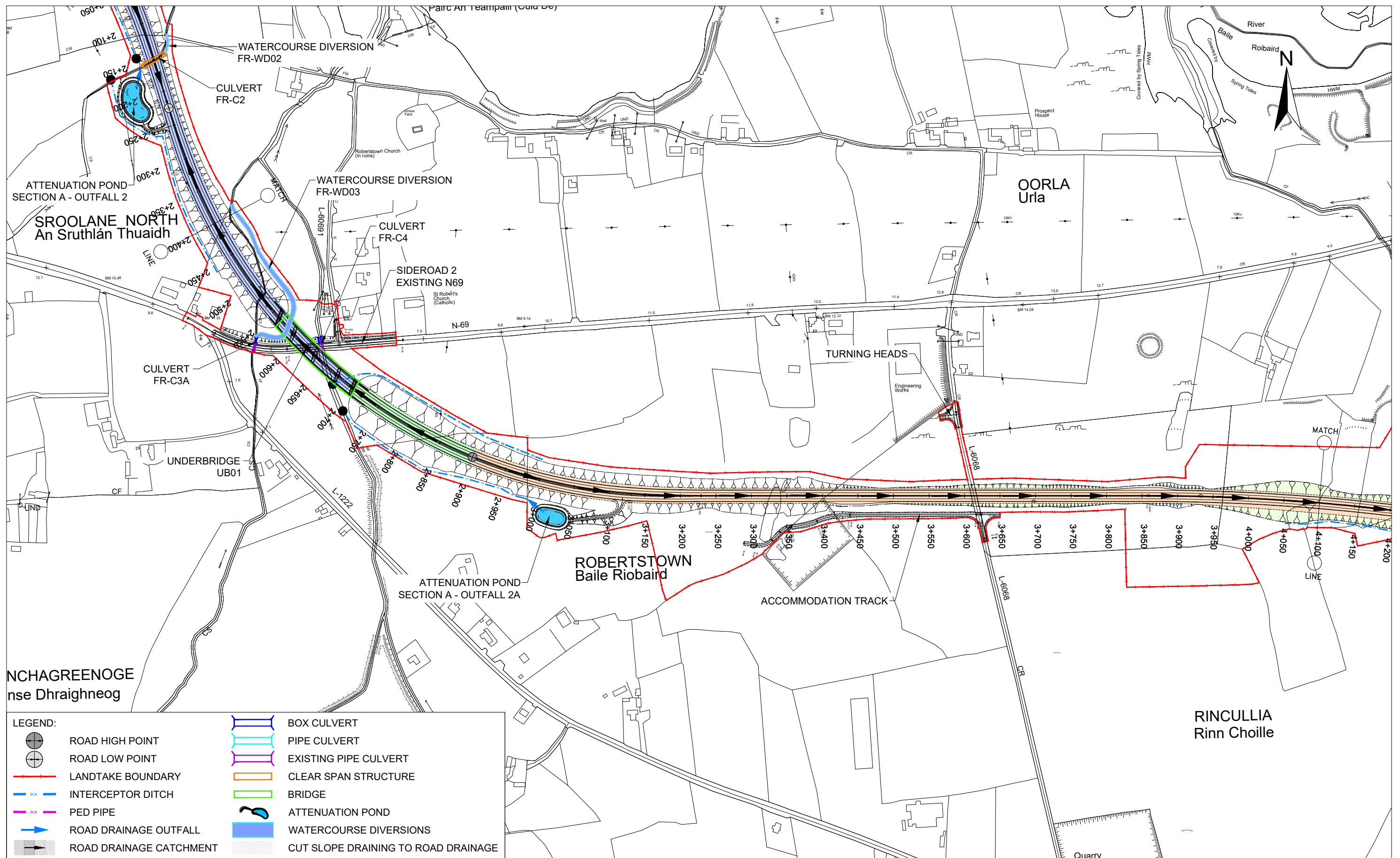
LEGEND:

	ROAD HIGH POINT		BOX CULVERT
	ROAD LOW POINT		PIPE CULVERT
	LANDTAKE BOUNDARY		EXISTING PIPE CULVERT
	INTERCEPTOR DITCH		CLEAR SPAN STRUCTURE
	PED PIPE		BRIDGE
	ROAD DRAINAGE OUTFALL		ATTENUATION POND
	ROAD DRAINAGE CATCHMENT		WATERCOURSE DIVERSIONS
			CUT SLOPE DRAINING TO ROAD DRAINAGE

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 Project Ireland 2040		 An Roinn Iompair Turasóireachta agus Spóirt Department of Transport, Tourism and Sport		 Bonneagar Iompair Éireann Transport Infrastructure Ireland		 Comhairle Cathrach & Contae Luimnigh Limerick City & County Council		 Roughan & O'Donovan-AECOM Alliance Arena House, Arena Road, Sandyford, Dublin 18. Tel : +353 (1) 2940800 Fax : +353 (1) 2940820 e-mail : info@rod.ie Website : www.rod.ie www.aecom.com		Project Foynes to Limerick Road (including Adare Bypass) Environmental Impact Assessment Report		Drawing Title: DRAINAGE NETWORK FOYNES TO BALLYCLOUGH - SECTION A SHEET 1 OF 4 <table border="1"><tr><td>Designed: RR</td><td>File:</td><td>Status: E.I.A.R.</td></tr><tr><td>Drawn: LA</td><td>Job No: 14.131</td><td></td></tr><tr><td>Checked: SOL</td><td>Scale: 1:5000 (@ A3)</td><td>Drawing No: Fig 10.3</td></tr><tr><td>Approved: SMG</td><td>Date: December 2019</td><td>Rev: -</td></tr></table>				Designed: RR	File:	Status: E.I.A.R.	Drawn: LA	Job No: 14.131		Checked: SOL	Scale: 1:5000 (@ A3)	Drawing No: Fig 10.3	Approved: SMG	Date: December 2019	Rev: -
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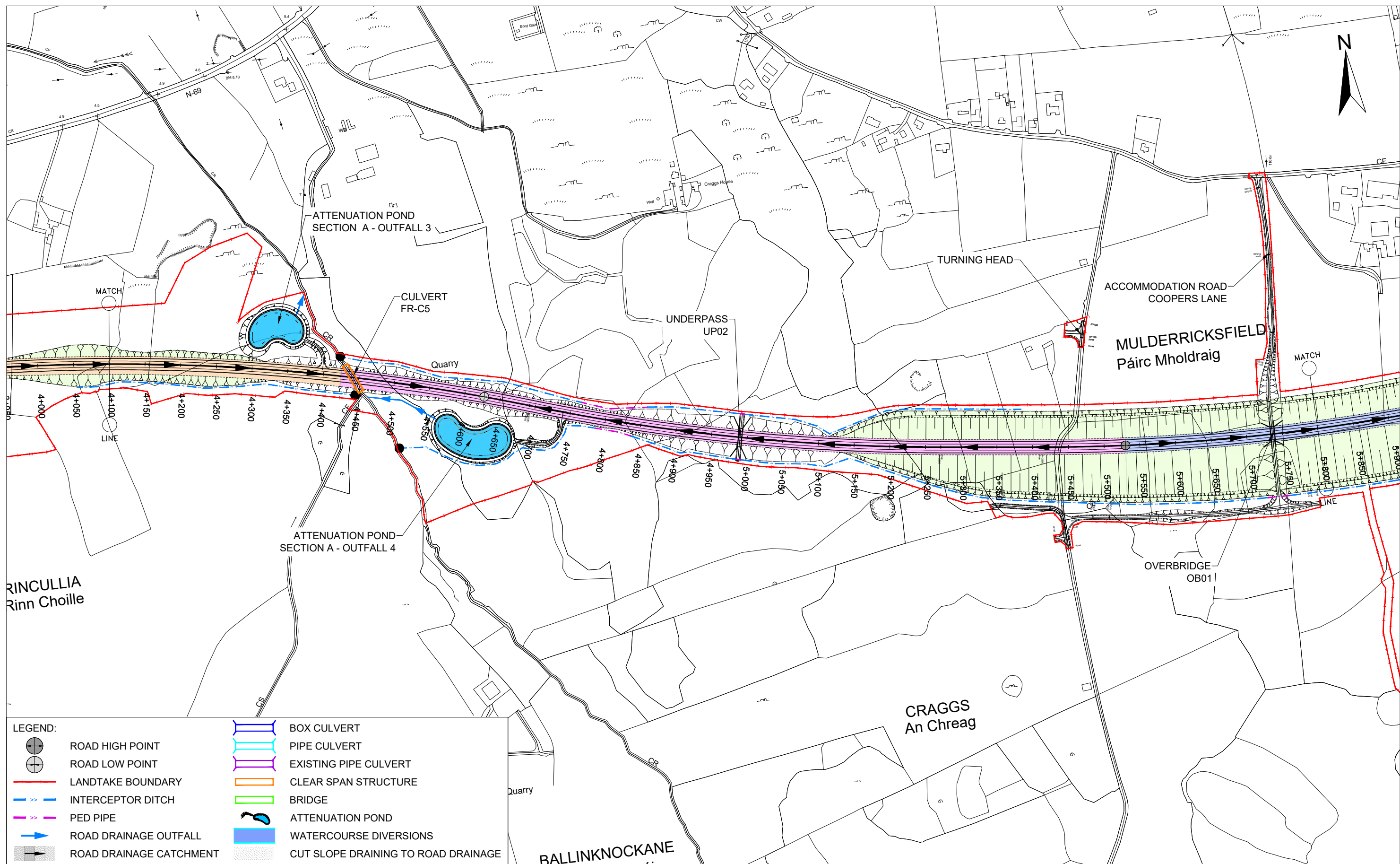


NCHAGREENOGE
nse Dhraighneog

LEGEND:

	ROAD HIGH POINT		BOX CULVERT
	ROAD LOW POINT		PIPE CULVERT
	LANDTAKE BOUNDARY		EXISTING PIPE CULVERT
	INTERCEPTOR DITCH		CLEAR SPAN STRUCTURE
	PED PIPE		BRIDGE
	ROAD DRAINAGE OUTFALL		ATTENUATION POND
	ROAD DRAINAGE CATCHMENT		WATERCOURSE DIVERSIONS
			CUT SLOPE DRAINING TO ROAD DRAINAGE

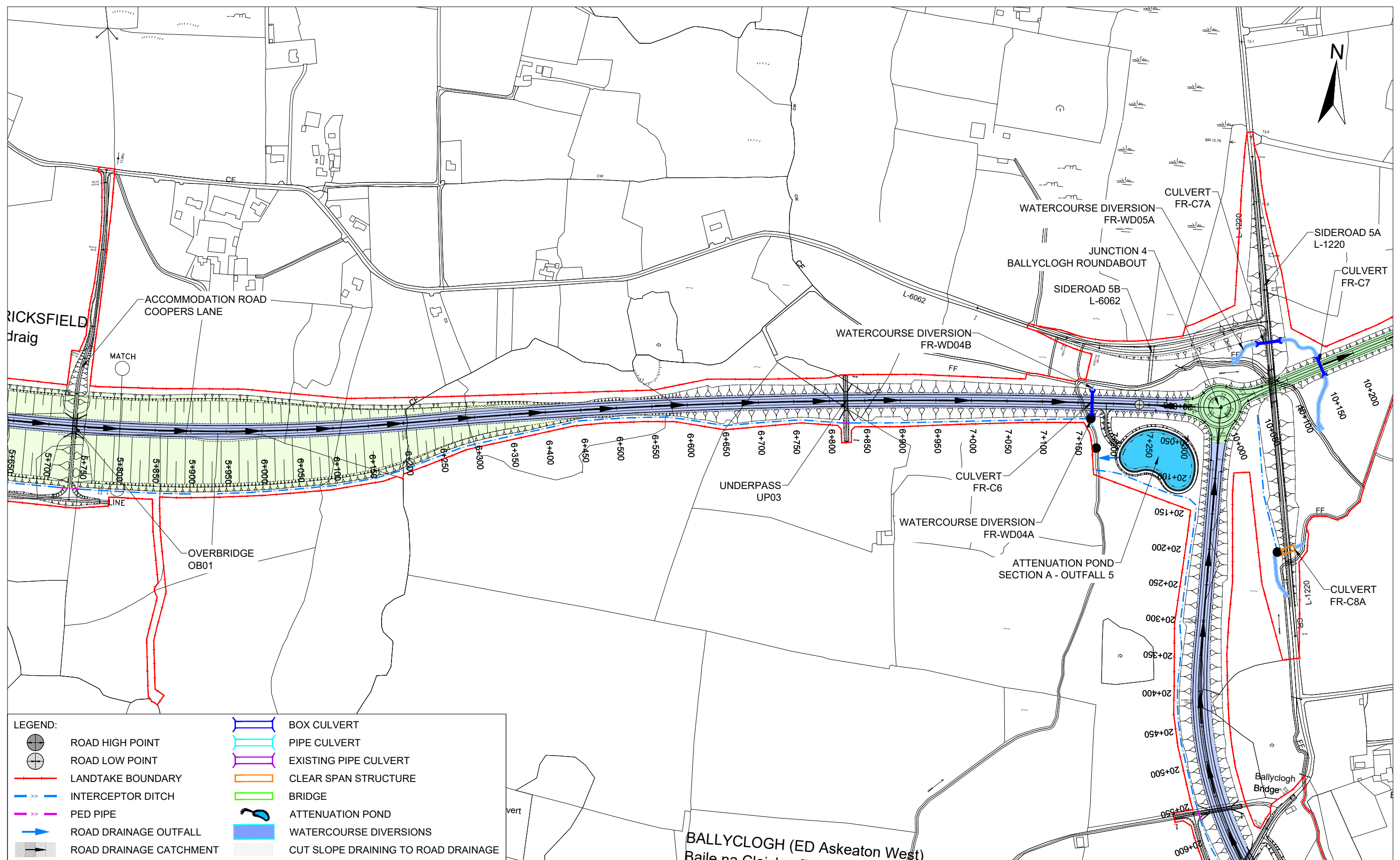
												Arena House, Arena Road, Sandyford, Dublin 18. Tel : +353 (1) 2940800 Fax : +353 (1) 2940820 e-mail : info@rod.ie Website : www.rod.ie www.aecom.com		Project Foynes to Limerick Road (including Adare Bypass) Environmental Impact Assessment Report		Drawing Title: DRAINAGE NETWORK FOYNES TO BALLYCLOUGH - SECTION A SHEET 2 OF 4 <table border="1"><tr><td>Designed: RR</td><td>File:</td><td>Status: E.I.A.R.</td></tr><tr><td>Drawn: LA</td><td>Job No: 14.131</td><td></td></tr><tr><td>Checked: SOL</td><td>Scale: 1:5000 (@ A3)</td><td>Drawing No: Fig 10.4</td></tr><tr><td>Approved: SMG</td><td>Date: December 2019</td><td>Rev: -</td></tr></table>				Designed: RR	File:	Status: E.I.A.R.	Drawn: LA	Job No: 14.131		Checked: SOL	Scale: 1:5000 (@ A3)	Drawing No: Fig 10.4	Approved: SMG	Date: December 2019	Rev: -
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Approved: SMG	Date: December 2019	Rev: -																													
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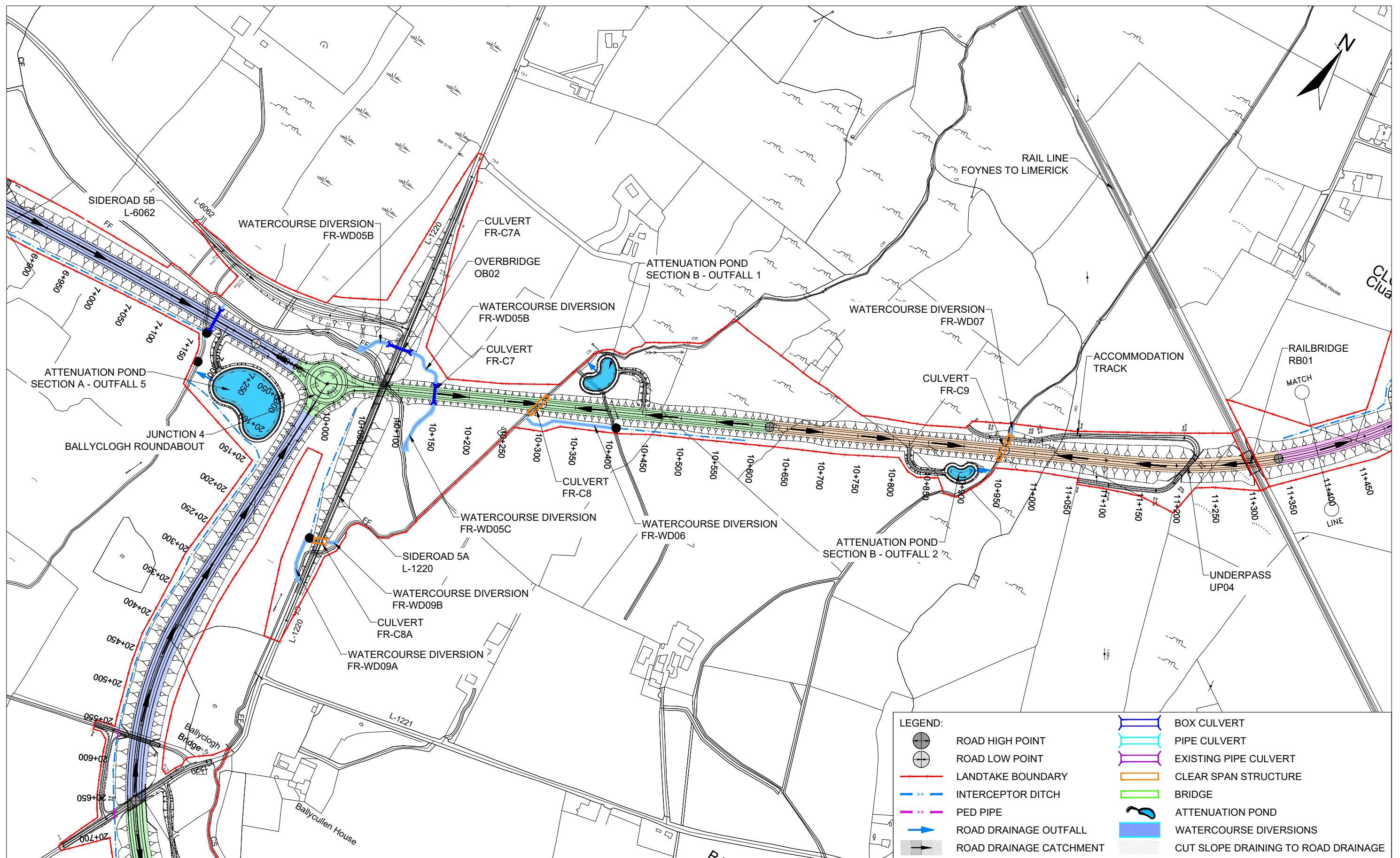
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				Project: Foynes to Limerick Road (including Adare Bypass) Environmental Impact Assessment Report		Drawing Title: DRAINAGE NETWORK FOYNES TO BALLYCLOGH - SECTION A SHEET 4 OF 4 <table border="1"><tr><td>Designed: RR</td><td>File:</td><td>Status: E.I.A.R.</td></tr><tr><td>Drawn: LA</td><td>Job No: 14.131</td><td></td></tr><tr><td>Checked: SOL</td><td>Scale: 1:5000 (@ A3)</td><td>Drawing No: Fig 10.6</td></tr><tr><td>Approved: SMG</td><td>Date: December 2019</td><td>Rev: -</td></tr></table>		Designed: RR	File:	Status: E.I.A.R.	Drawn: LA	Job No: 14.131		Checked: SOL	Scale: 1:5000 (@ A3)	Drawing No: Fig 10.6	Approved: SMG	Date: December 2019	Rev: -
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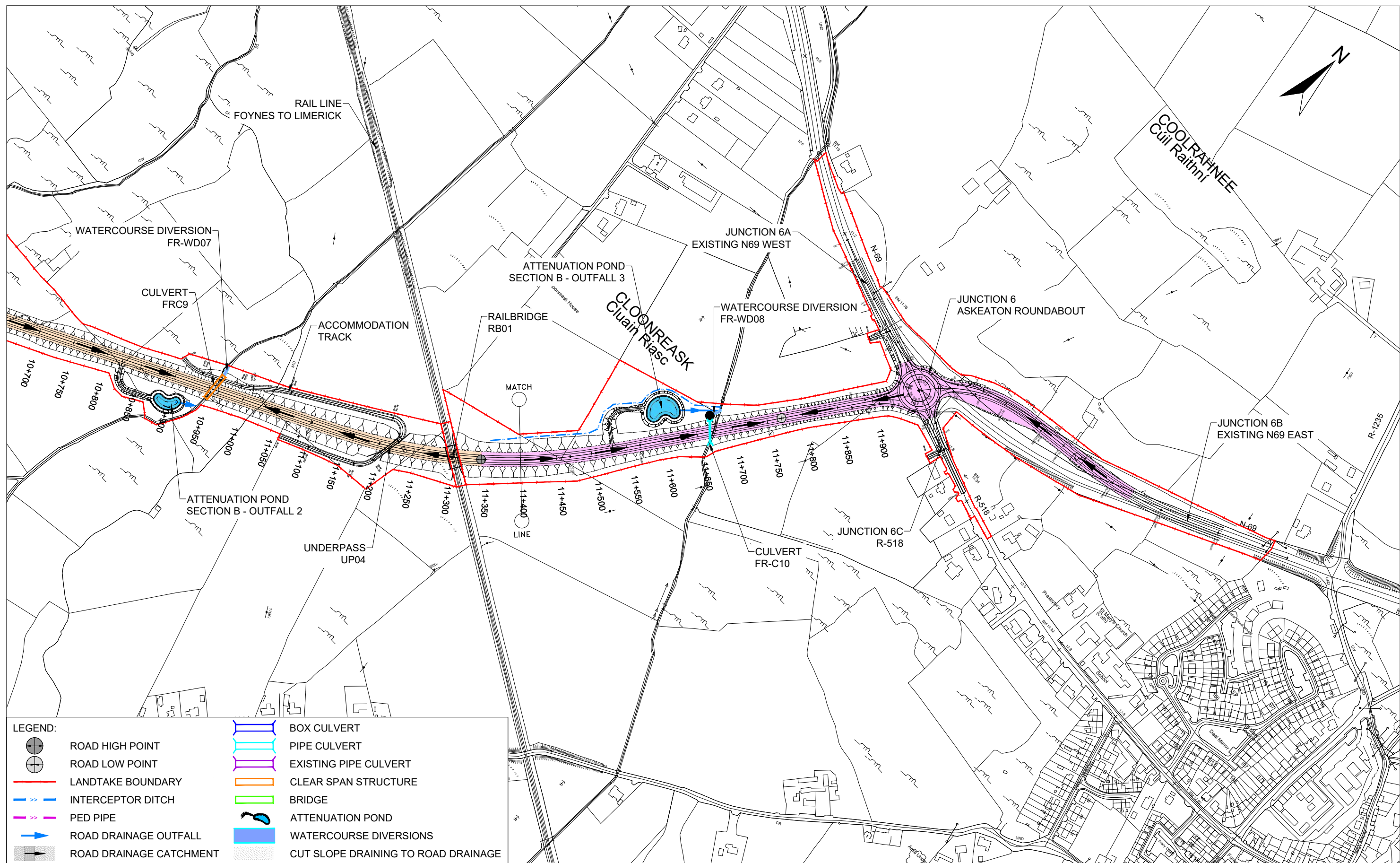
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Designed:	RR	File:		Status:	E.I.A.R.	Drawn:	LA	Job No:	14.131	Checked:	SOL	Scale:	1:5000 (@ A3)	Drawing No:	Fig 10.7	Rev:	-
Approved:	SMG	Date:	December 2019														

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Project

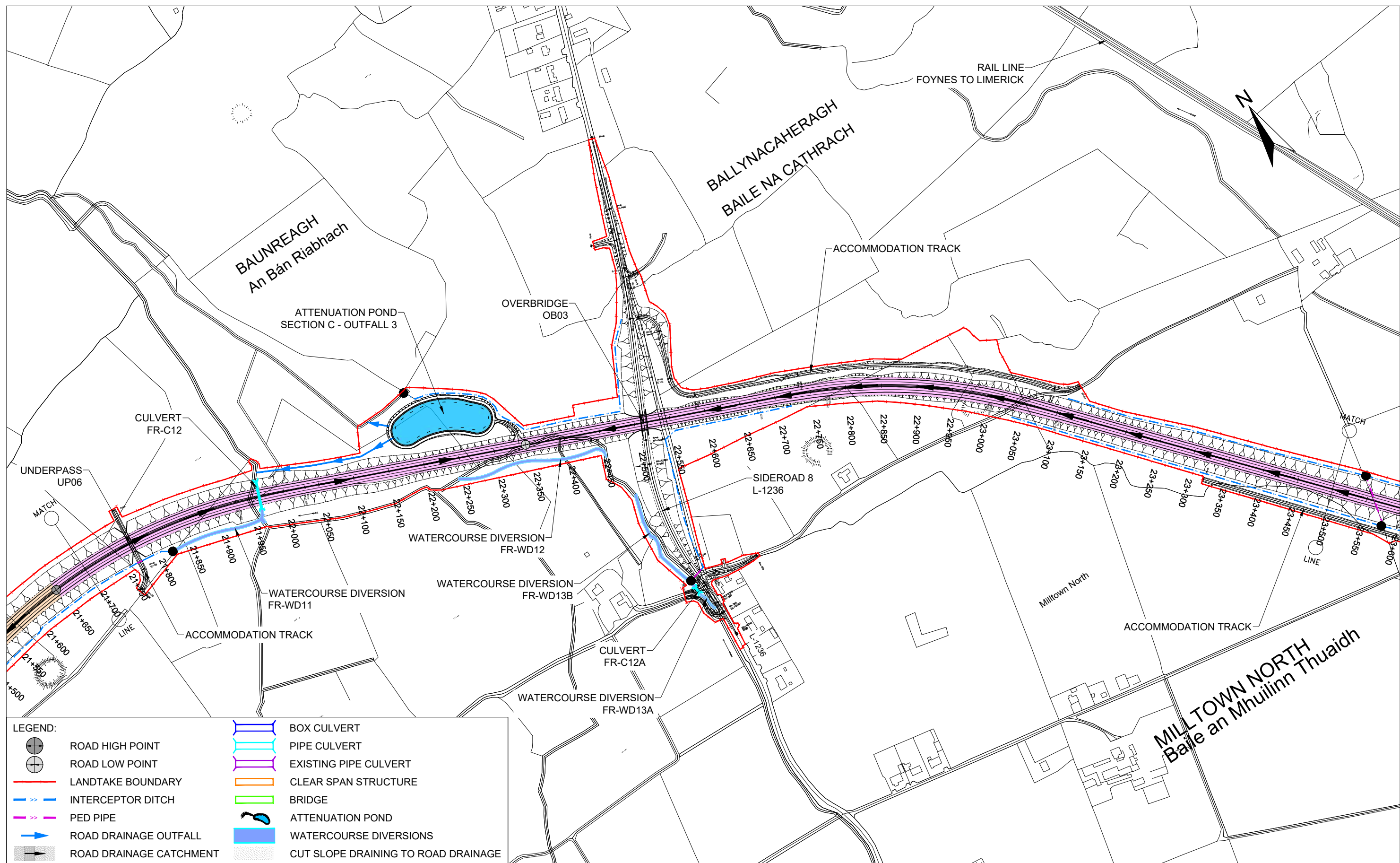
**Foynes to Limerick Road
(including Adare Bypass)**

**Environmental Impact
Assessment Report**

Drawing Title:

**DRAINAGE NETWORK
BALLYCLOGH TO ASKEATON - SECTION B
SHEET 2 OF 2**

Designed: RR	File:	Status: E.I.A.R.
Drawn: LA	Job No: 14.131	
Checked: SOL	Scale: 1:5000 (@ A3)	Drawing No: Fig 10.8
Approved: SMG	Date: December 2019	Rev: -



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**Foynes to Limerick Road
(including Adare Bypass)**

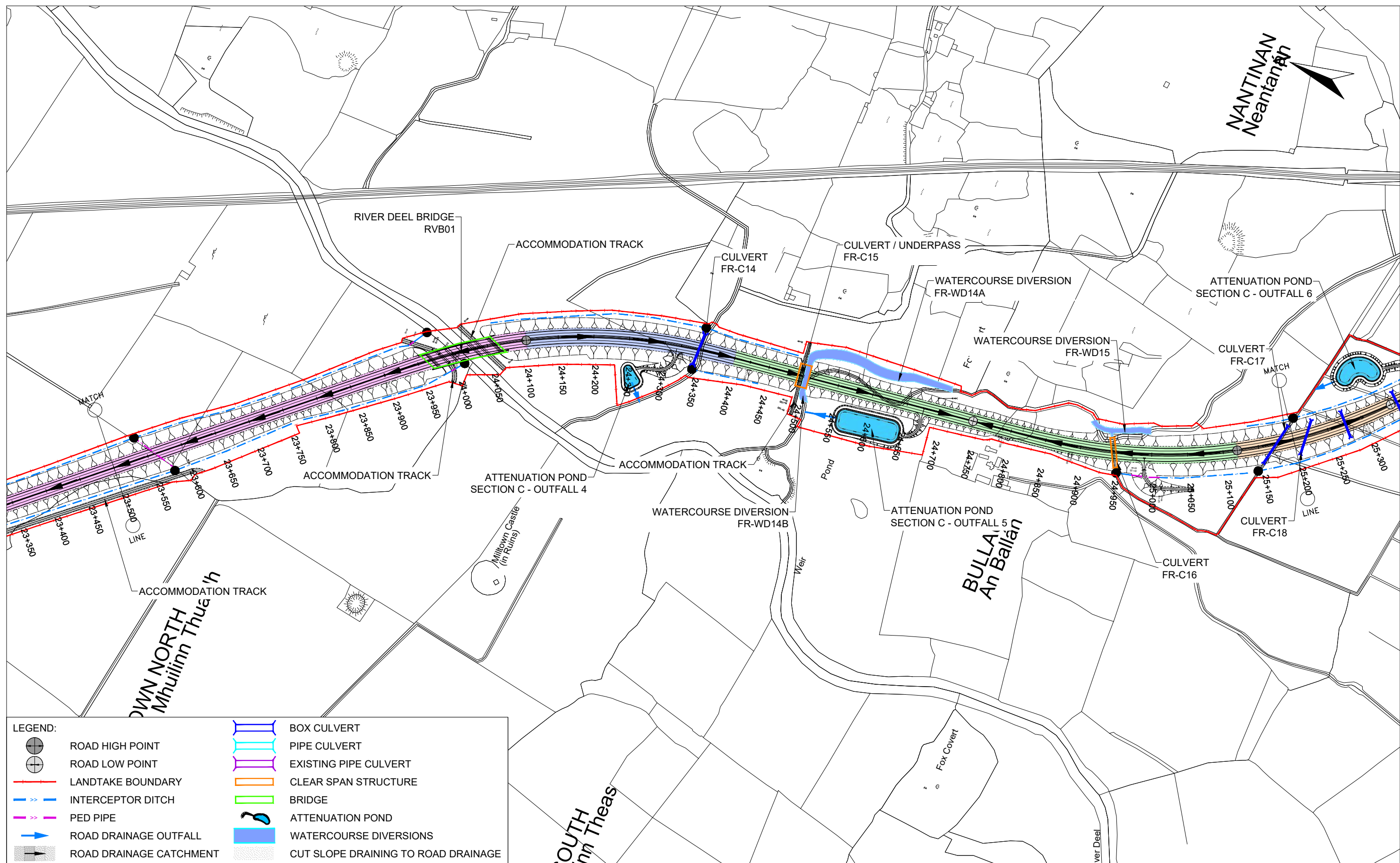
**Environmental Impact
Assessment Report**

Drawing Title:

**DRAINAGE NETWORK
BALLYCLOGH TO RATHKEALE - SECTION C
SHEET 2 OF 6**

Designed: RR	File:	Status: E.I.A.R.
Drawn: LA	Job No: 14.131	
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Approved: SMG	Date: December 2019	Rev: -

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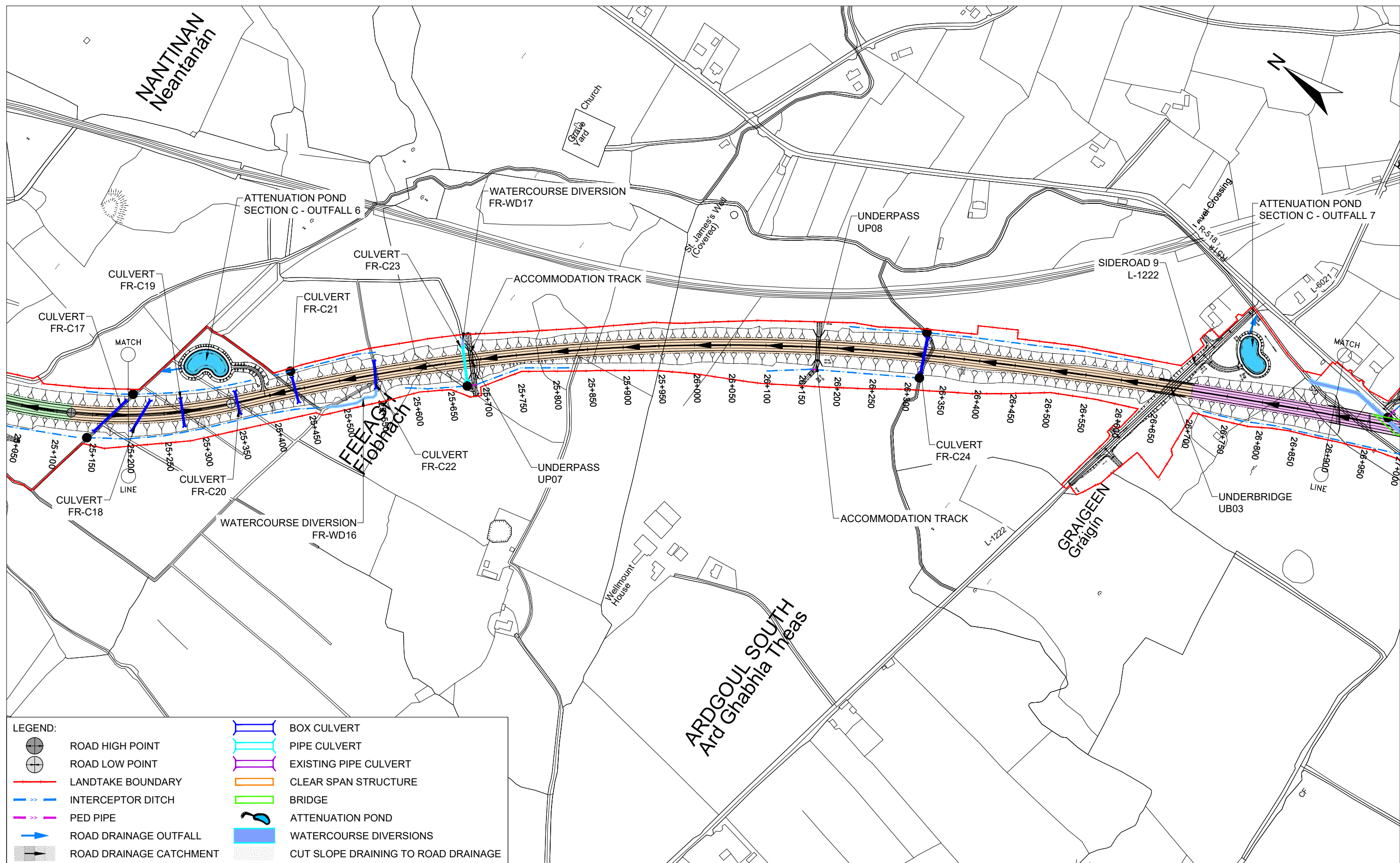


LEGEND:

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	ROAD LOW POINT		PIPE CULVERT
	LANDTAKE BOUNDARY		EXISTING PIPE CULVERT
	INTERCEPTOR DITCH		CLEAR SPAN STRUCTURE
	PED PIPE		BRIDGE
	ROAD DRAINAGE OUTFALL		ATTENUATION POND
	ROAD DRAINAGE CATCHMENT		WATERCOURSE DIVERSIONS
			CUT SLOPE DRAINING TO ROAD DRAINAGE

												Arena House, Arena Road, Sandyford, Dublin 18. Tel : +353 (1) 2940800 Fax : +353 (1) 2940820 e-mail : info@rod.ie Website : www.rod.ie www.aecom.com		Project Foynes to Limerick Road (including Adare Bypass) Environmental Impact Assessment Report		Drawing Title: DRAINAGE NETWORK BALLYCLOUGH TO RATHKEALE - SECTION C SHEET 3 OF 6 <table><tr><td>Designed: RR</td><td>File:</td><td>Status: E.I.A.R.</td></tr><tr><td>Drawn: LA</td><td>Job No: 14.131</td><td></td></tr><tr><td>Checked: SOL</td><td>Scale: 1:5000 (@ A3)</td><td>Drawing No: Fig 10.11</td></tr><tr><td>Approved: SMG</td><td>Date: December 2019</td><td>Rev: -</td></tr></table>				Designed: RR	File:	Status: E.I.A.R.	Drawn: LA	Job No: 14.131		Checked: SOL	Scale: 1:5000 (@ A3)	Drawing No: Fig 10.11	Approved: SMG	Date: December 2019	Rev: -
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Approved: SMG	Date: December 2019	Rev: -																													

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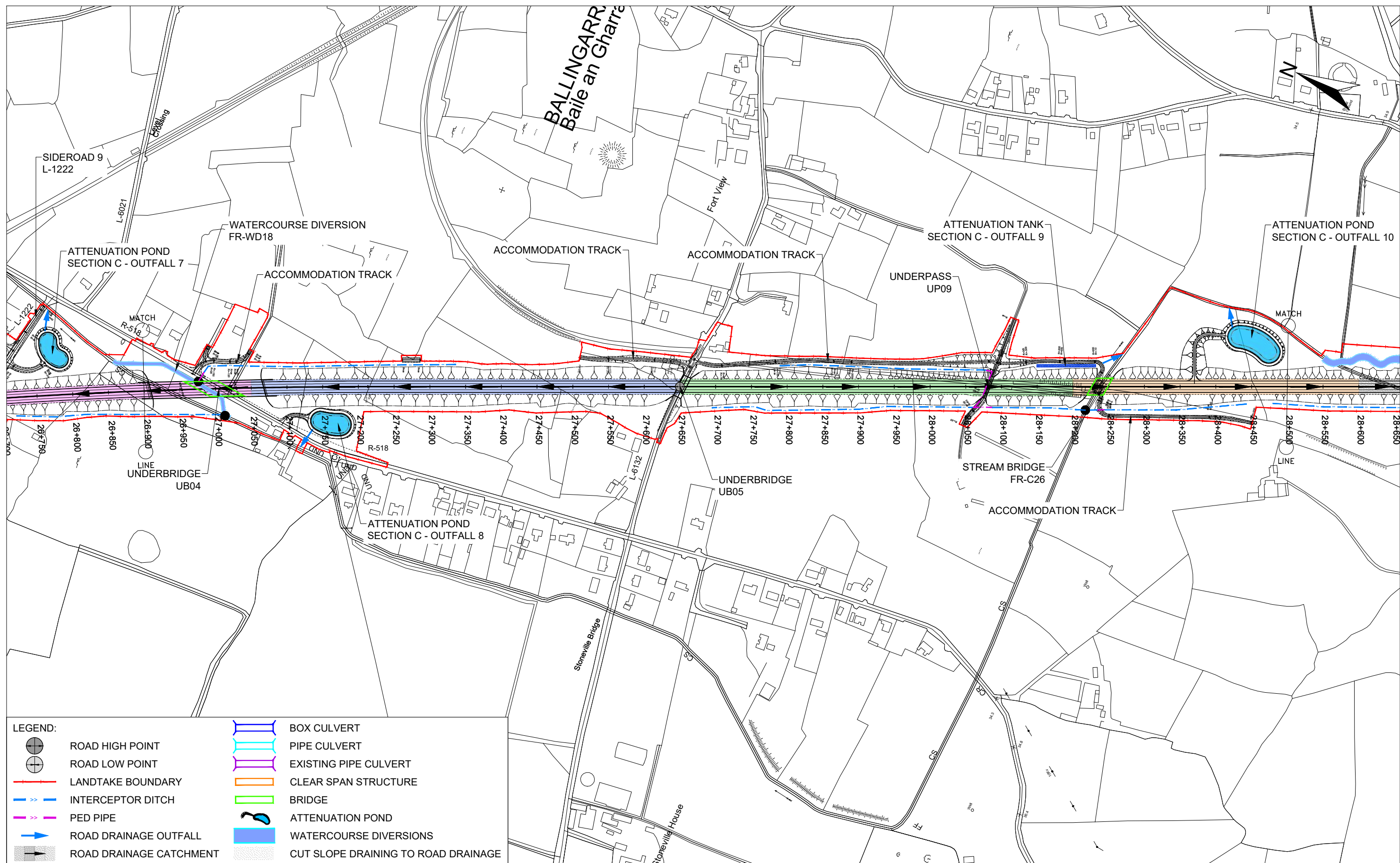
Project
**Foynes to Limerick Road
(including Adare Bypass)**

**Environmental Impact
Assessment Report**

Drawing Title:
**DRAINAGE NETWORK
BALLYCLOGH TO RATHKEALE - SECTION C
SHEET 4 OF 6**

Designed: RR	File:	Status: E.I.A.R.
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Approved: SMG	Date: December 2019	Rev: -

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Project

**Foynes to Limerick Road
(including Adare Bypass)**

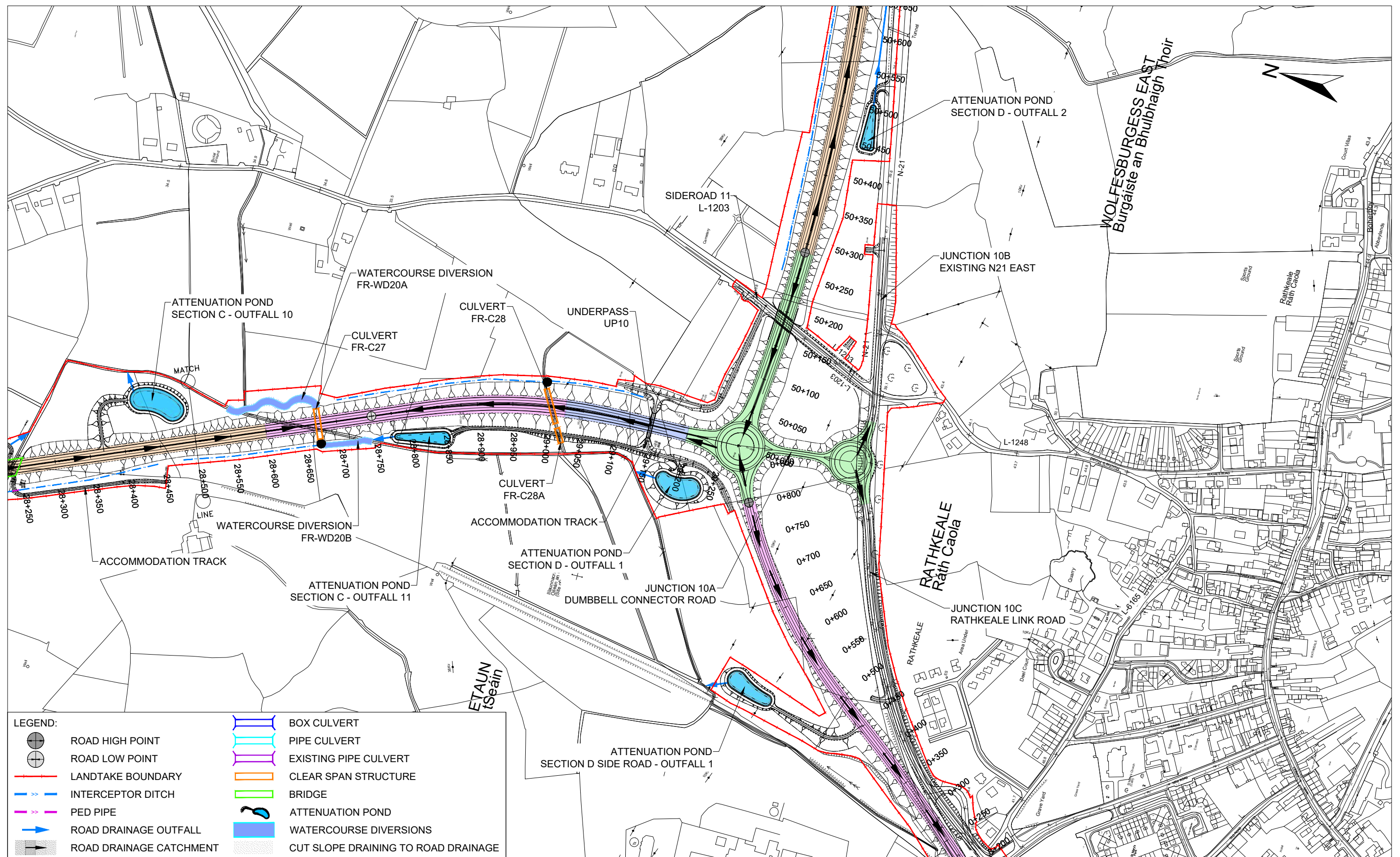
**Environmental Impact
Assessment Report**

Drawing Title:

**DRAINAGE NETWORK
BALLYCLOGH TO RATHKEALE - SECTION C
SHEET 5 OF 6**

Designed: RR	File:	Status: E.I.A.R.
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Approved: SMG	Date: December 2019	Rev: -

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Project Ireland
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An Roinn Iompair
Turasóireachta agus Spóirt
Department of Transport,
Tourism and Sport



Comhairle Cathrach
& Contae Luimnigh
Limerick City
& County Council



Roughan & O'Donovan-AECOM
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Website : www.rod.ie
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Project

Foynes to Limerick Road
(including Adare Bypass)

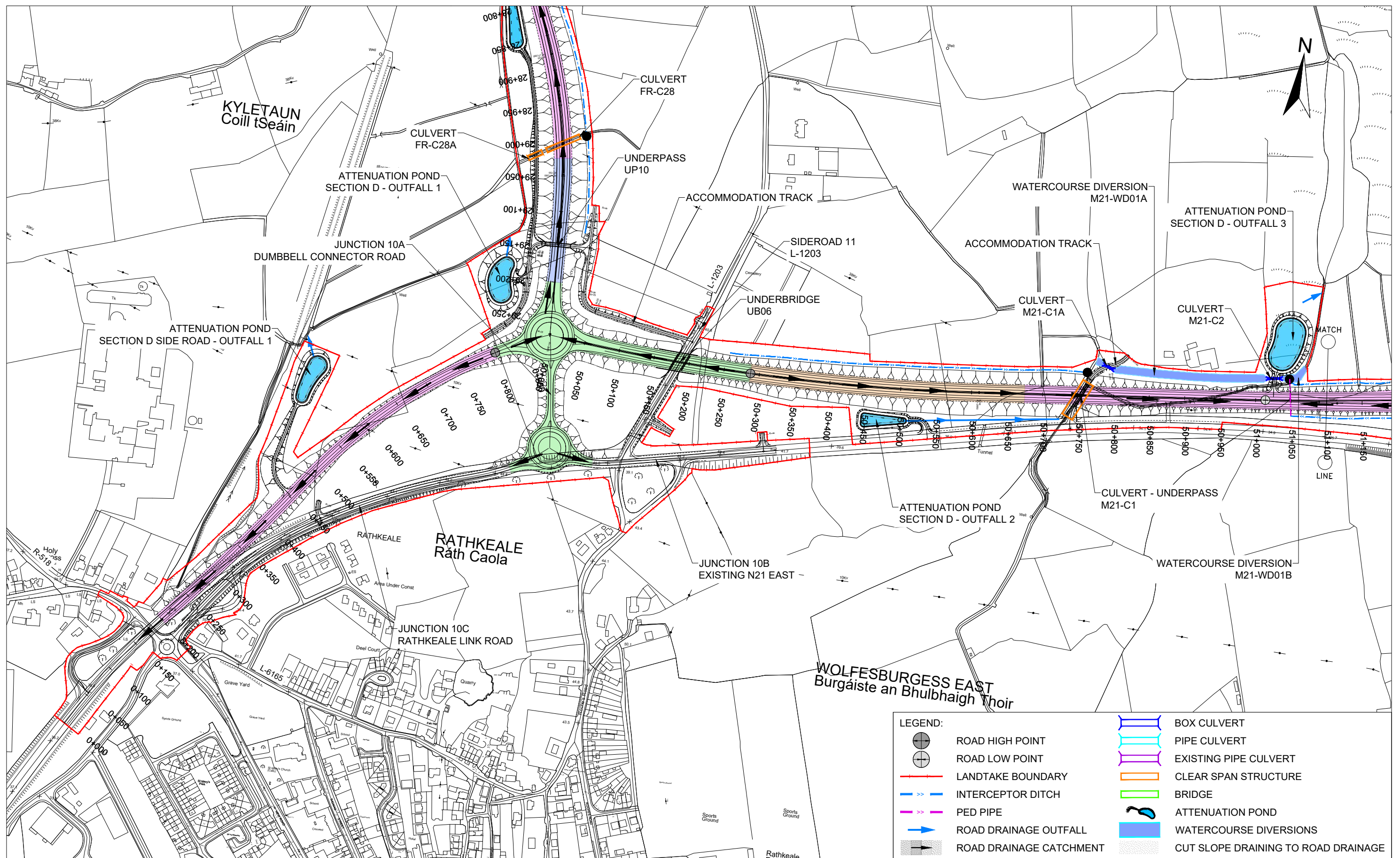
Environmental Impact
Assessment Report

Drawing Title:

DRAINAGE NETWORK
BALLYCLOGH TO RATHKEALE - SECTION C
SHEET 6 OF 6

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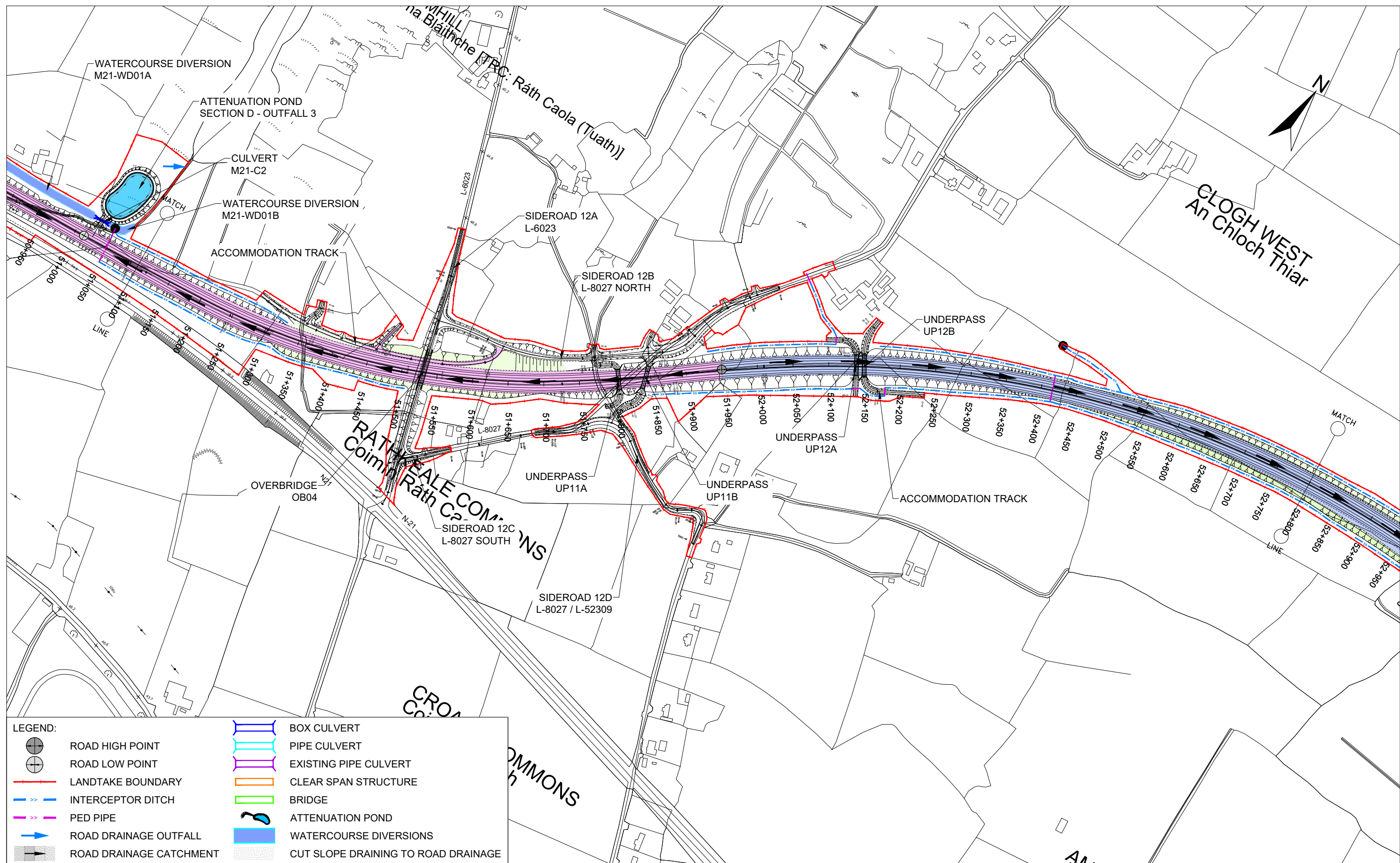
**Foynes to Limerick Road
(including Adare Bypass)**

**Environmental Impact
Assessment Report**

Drawing Title:
**DRAINAGE NETWORK
RATHKEALE TO ATTYFLIN - SECTION D
SHEET 1 OF 11**

Designed: RR	File:	Status: E.I.A.R.
Drawn: LA	Job No: 14.131	
Checked: SOL	Scale: 1:5000 (@ A3)	Drawing No: Fig 10.15
Approved: SMG	Date: December 2019	Rev: -

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LEGEND:

ROAD HIGH POINT

ROAD LOW POINT

LANDTAKE BOUNDARY

INTERCEPTOR DITCH

PED PIPE

ROAD DRAINAGE OUTFALL

ROAD DRAINAGE CATCHMENT

BOX CULVERT

PIPE CULVERT

EXISTING PIPE CULVERT

CLEAR SPAN STRUCTURE

BRIDGE

ATTENUATION POND

WATERCOURSE DIVERSIONS

CUT SLOPE DRAINING TO ROAD DRAINAGE

Tionscaldal Éireann
Project Ireland
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Department of Transport,
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Project

Foynes to Limerick Road
(including Adare Bypass)

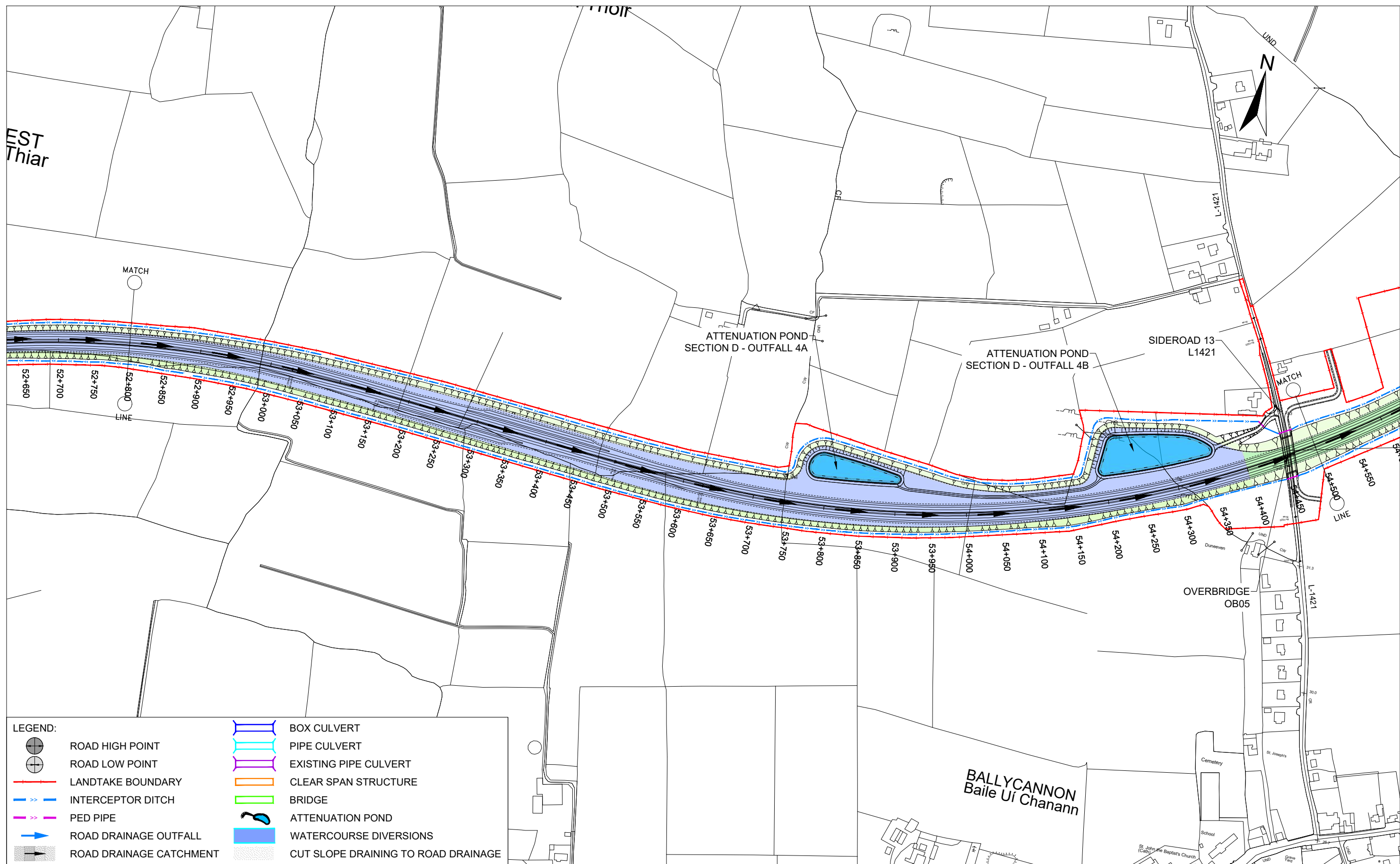
Environmental Impact
Assessment Report

Drawing Title:

DRAINAGE NETWORK
RATHKEALE TO ATTYFLIN - SECTION D
SHEET 2 OF 11

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Drawn: LA	Job No: 14.131	
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Approved: SMG	Date: December 2019	Rev: -

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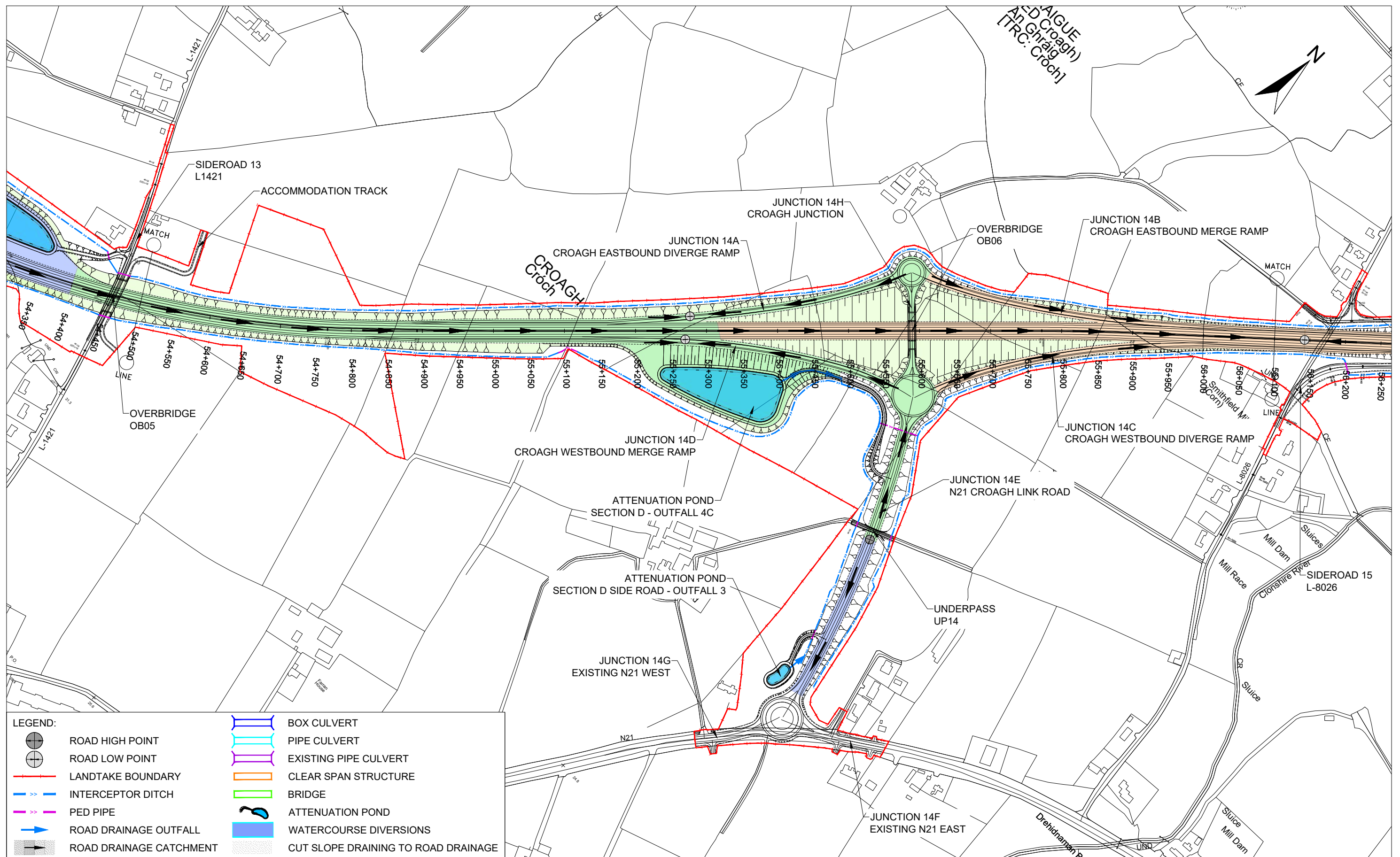


LEGEND:

	ROAD HIGH POINT		BOX CULVERT
	ROAD LOW POINT		PIPE CULVERT
	LANDTAKE BOUNDARY		EXISTING PIPE CULVERT
	INTERCEPTOR DITCH		CLEAR SPAN STRUCTURE
	PED PIPE		BRIDGE
	ROAD DRAINAGE OUTFALL		ATTENUATION POND
	ROAD DRAINAGE CATCHMENT		WATERCOURSE DIVERSIONS
			CUT SLOPE DRAINING TO ROAD DRAINAGE

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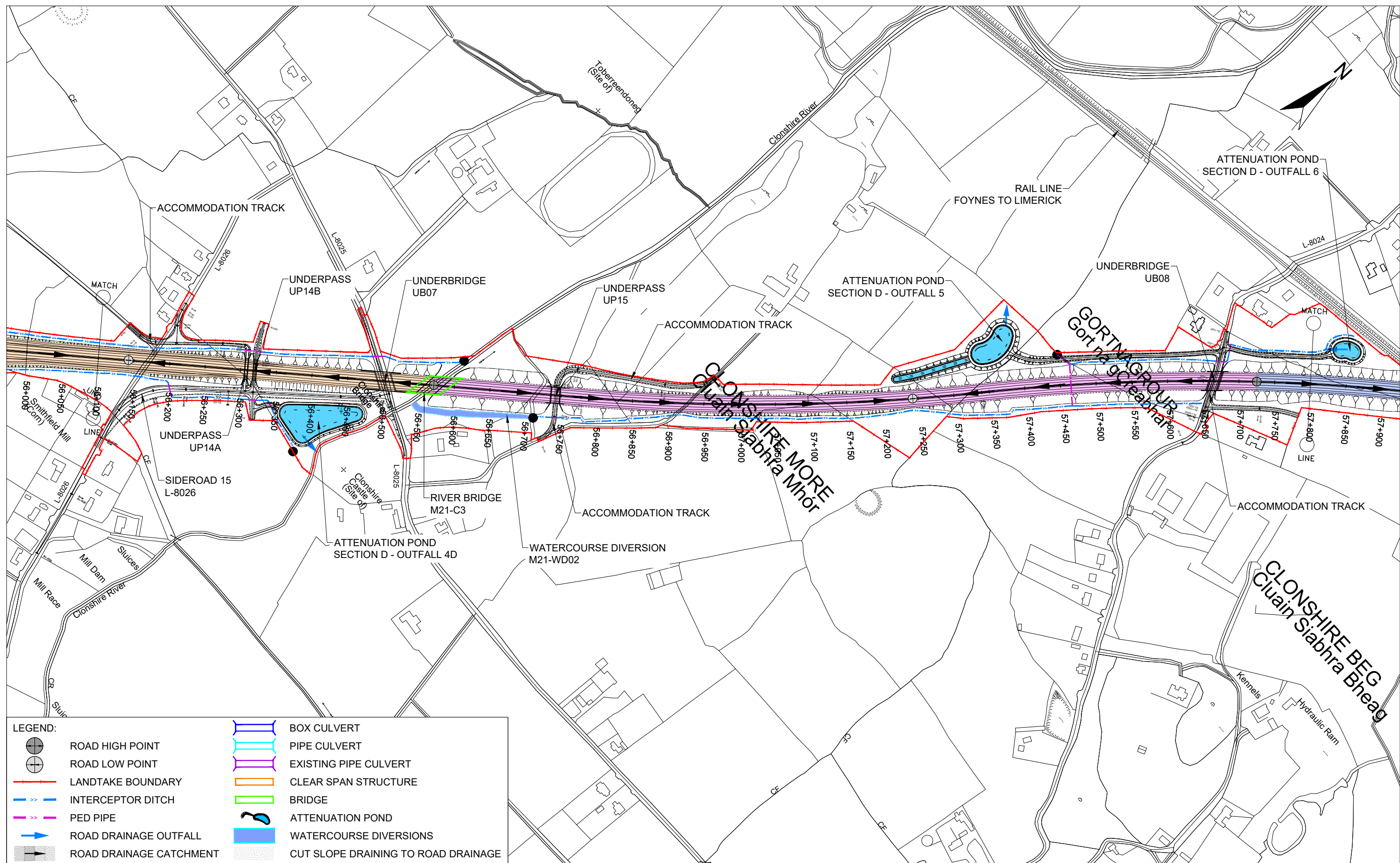
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Approved:	SMG	Date:	December 2019														

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LEGEND:	
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	ROAD LOW POINT
	LANDTAKE BOUNDARY
	INTERCEPTOR DITCH
	PED PIPE
	ROAD DRAINAGE OUTFALL
	ROAD DRAINAGE CATCHMENT
	BOX CULVERT
	PIPE CULVERT
	EXISTING PIPE CULVERT
	CLEAR SPAN STRUCTURE
	BRIDGE
	ATTENUATION POND
	WATERCOURSE DIVERSIONS
	CUT SLOPE DRAINING TO ROAD DRAINAGE

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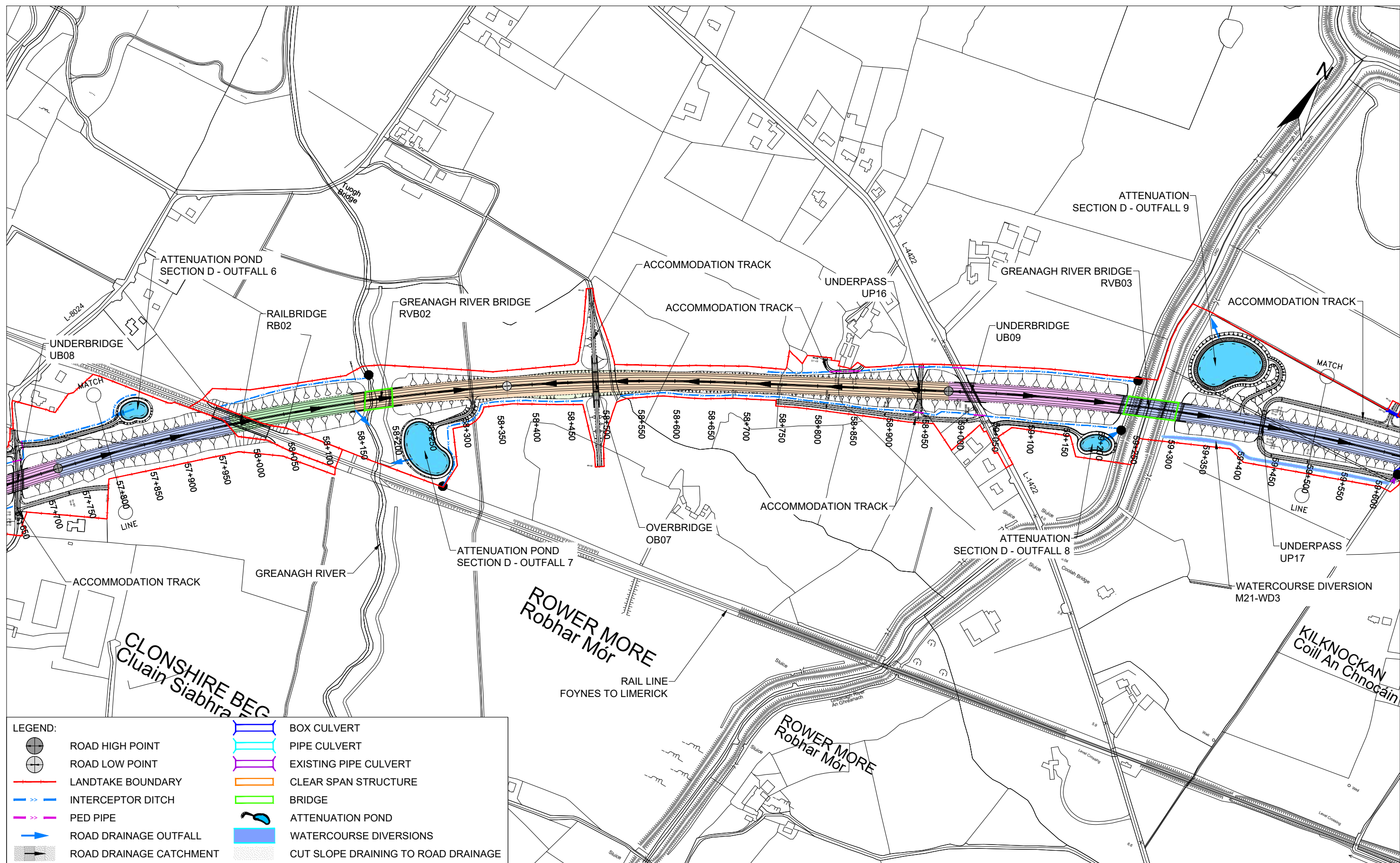
**Environmental Impact
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Drawing Title:

**DRAINAGE NETWORK
RATHKEALE TO ATTYFLIN - SECTION D
SHEET 5 OF 11**

Designed: RR	File:	Status: E.I.A.R.
Drawn: LA	Job No: 14.131	
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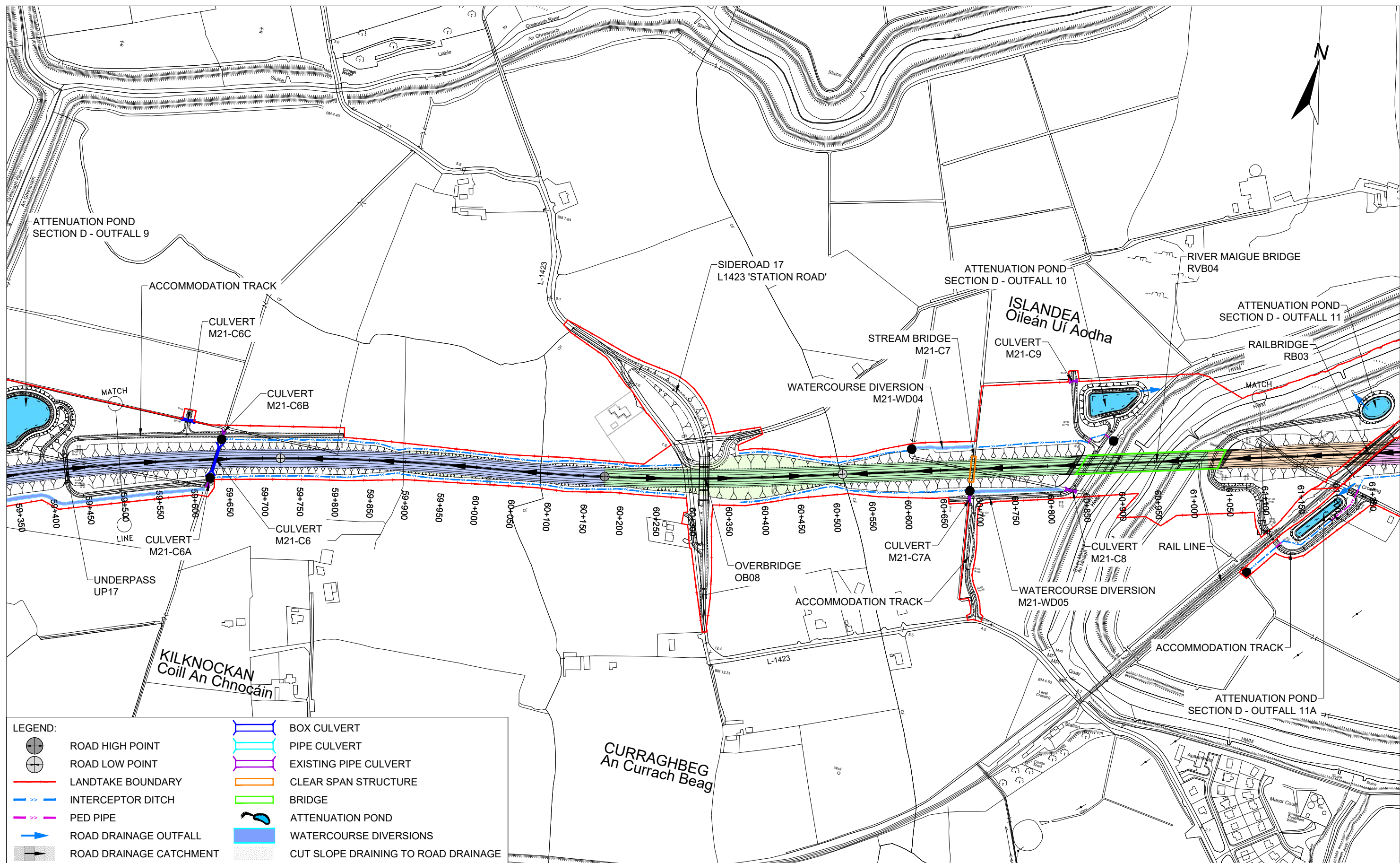
LEGEND:

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	ROAD LOW POINT		PIPE CULVERT
	LANDTAKE BOUNDARY		EXISTING PIPE CULVERT
	INTERCEPTOR DITCH		CLEAR SPAN STRUCTURE
	PED PIPE		BRIDGE
	ROAD DRAINAGE OUTFALL		ATTENUATION POND
	ROAD DRAINAGE CATCHMENT		WATERCOURSE DIVERSIONS
			CUT SLOPE DRAINING TO ROAD DRAINAGE

												Arena House, Arena Road, Sandyford, Dublin 18. Tel : +353 (1) 2940800 Fax : +353 (1) 2940820 e-mail : info@rod.ie Website : www.rod.ie www.aecom.com		Project Foynes to Limerick Road (including Adare Bypass) Environmental Impact Assessment Report		Drawing Title: DRAINAGE NETWORK RATHKEALE TO ATTYFLIN - SECTION D SHEET 6 OF 11 <table border="1"><tr><td>Designed: RR</td><td>File:</td><td>Status: E.I.A.R.</td></tr><tr><td>Drawn: LA</td><td>Job No: 14.131</td><td></td></tr><tr><td>Checked: SOL</td><td>Scale: 1:5000 (@ A3)</td><td>Drawing No: Fig 10.20</td></tr><tr><td>Approved: SMG</td><td>Date: December 2019</td><td>Rev: -</td></tr></table>				Designed: RR	File:	Status: E.I.A.R.	Drawn: LA	Job No: 14.131		Checked: SOL	Scale: 1:5000 (@ A3)	Drawing No: Fig 10.20	Approved: SMG	Date: December 2019	Rev: -
Designed: RR	File:	Status: E.I.A.R.																													
Drawn: LA	Job No: 14.131																														
Checked: SOL	Scale: 1:5000 (@ A3)	Drawing No: Fig 10.20																													
Approved: SMG	Date: December 2019	Rev: -																													

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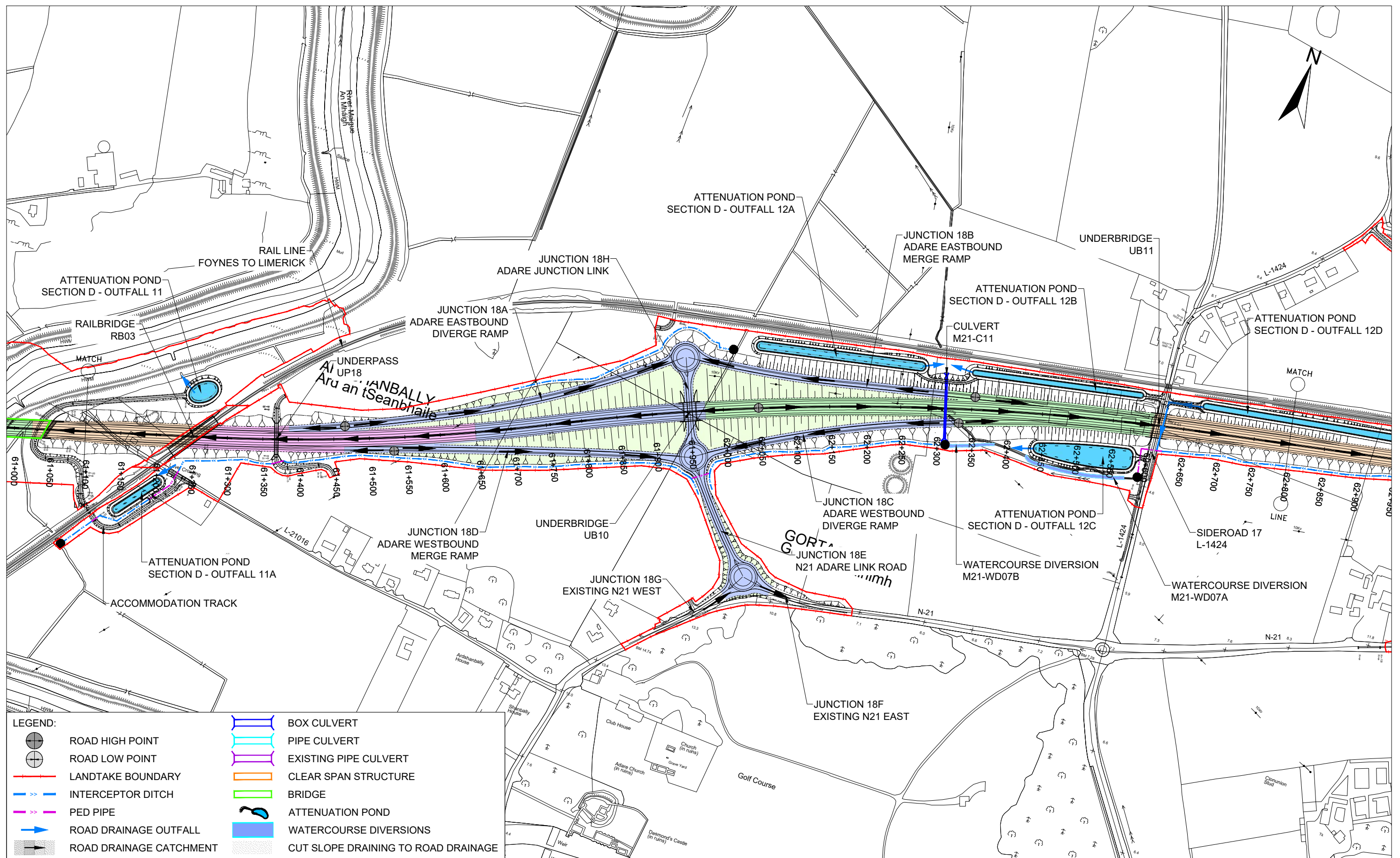
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Drawn: LA	Job No: 14.131																						
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Approved: SMG	Date: December 2019	Rev: -																					

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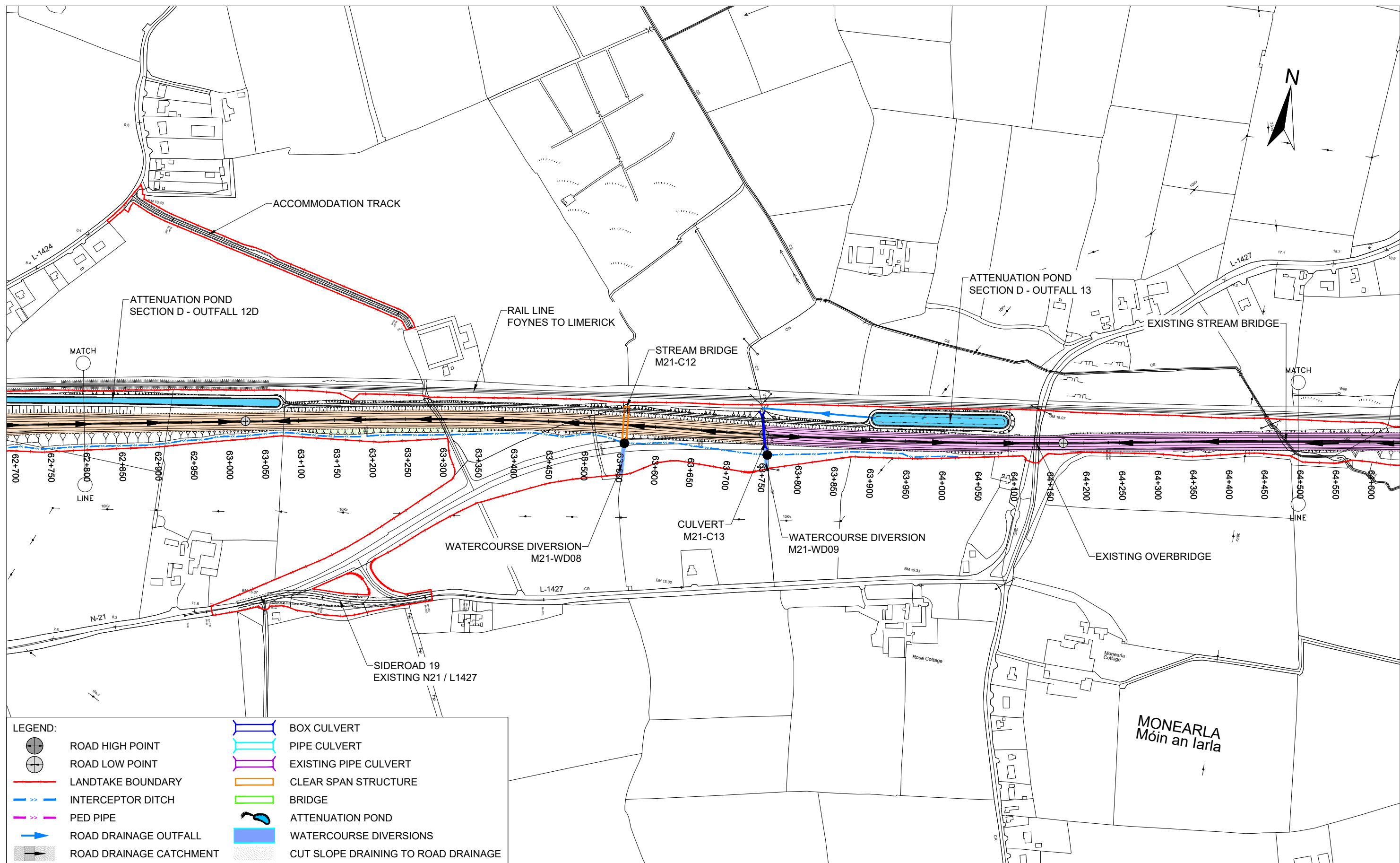


LEGEND:

	ROAD HIGH POINT		BOX CULVERT
	ROAD LOW POINT		PIPE CULVERT
	LANDTAKE BOUNDARY		EXISTING PIPE CULVERT
	INTERCEPTOR DITCH		CLEAR SPAN STRUCTURE
	PED PIPE		BRIDGE
	ROAD DRAINAGE OUTFALL		ATTENUATION POND
	ROAD DRAINAGE CATCHMENT		WATERCOURSE DIVERSIONS
			CUT SLOPE DRAINING TO ROAD DRAINAGE

												Arena House, Arena Road, Sandyford, Dublin 18. Tel : +353 (1) 2940800 Fax : +353 (1) 2940820 e-mail : info@rod.ie Website : www.rod.ie www.aecom.com		Project Foynes to Limerick Road (including Adare Bypass)		Drawing Title: DRAINAGE NETWORK RATHKEALE TO ATTYFLIN - SECTION D SHEET 8 OF 11	
												Designed: RR		File:		Status: E.I.A.R.	
												Drawn: LA		Job No: 14.131		Rev: -	
												Checked: SOL		Scale: 1:5000 (@ A3)		Drawing No: Fig 10.22	
												Approved: SMG		Date: December 2019			

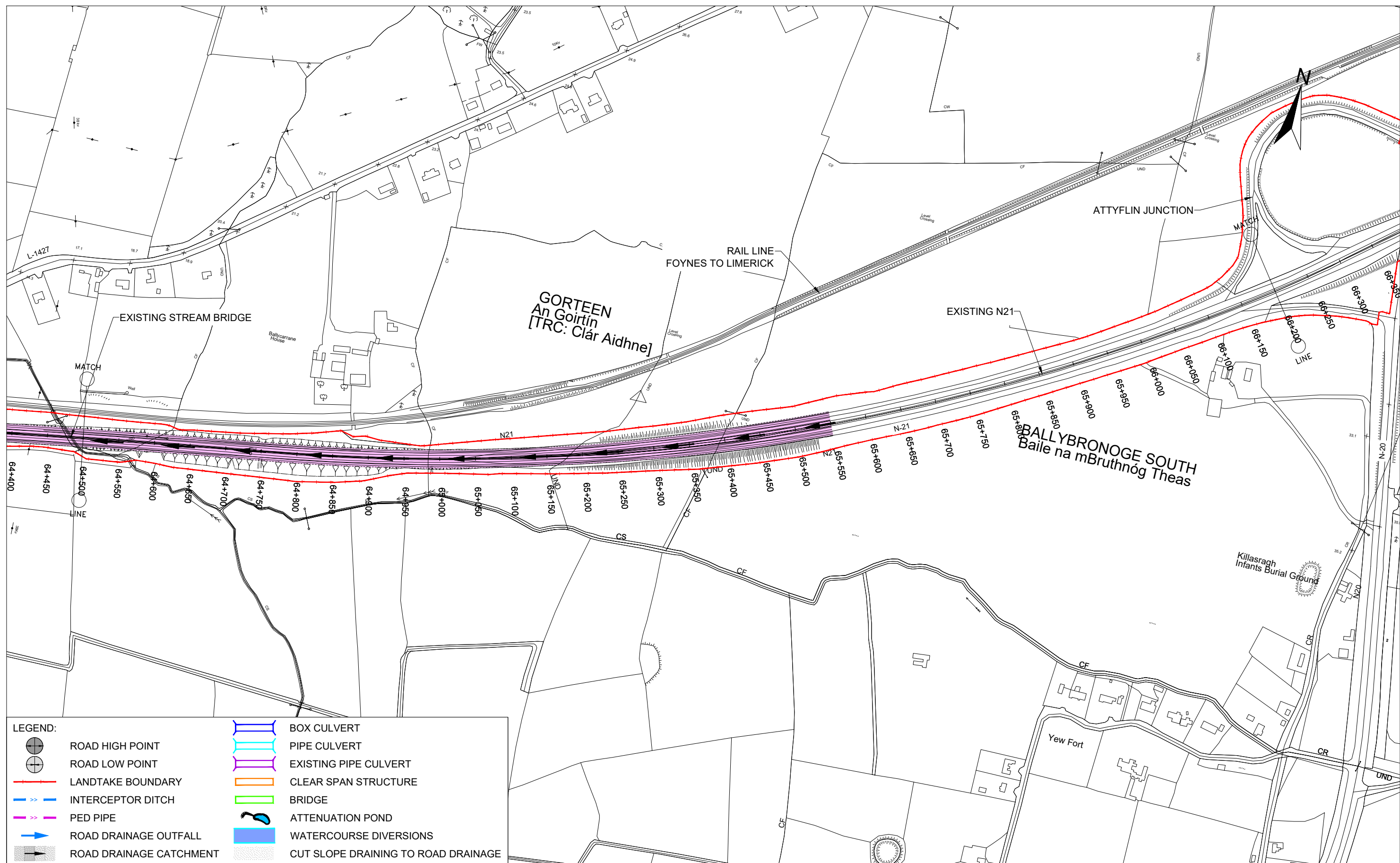
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Designed:	RR	File:		Status:	E.I.A.R.						
Drawn:	LA	Job No:	14.131								
Checked:	SOL	Scale:	1:5000 (@ A3)	Drawing No:	Fig 10.23						
Approved:	SMG	Date:	December 2019	Rev:	-						

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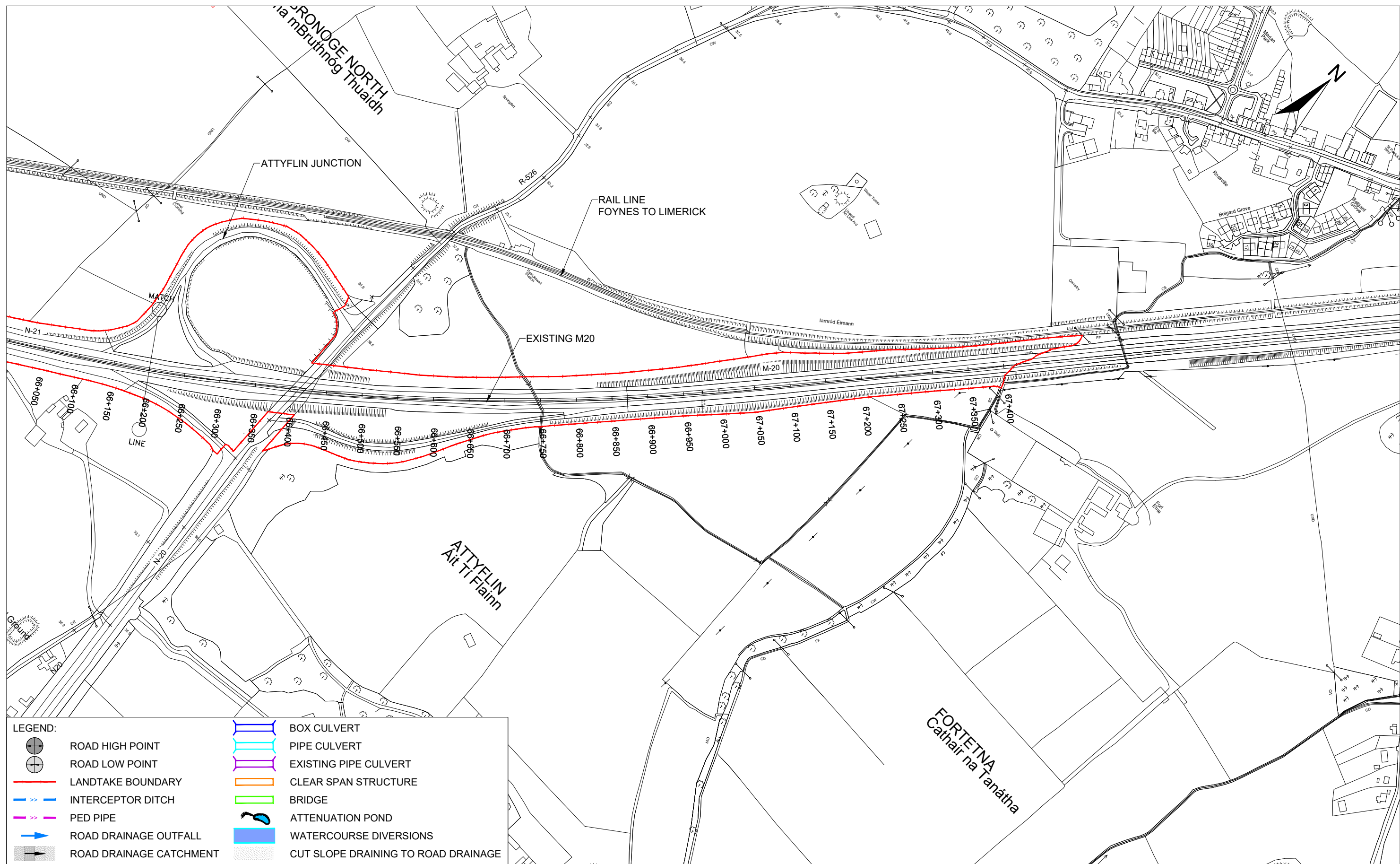


LEGEND:

	ROAD HIGH POINT		BOX CULVERT
	ROAD LOW POINT		PIPE CULVERT
	LANDTAKE BOUNDARY		EXISTING PIPE CULVERT
	INTERCEPTOR DITCH		CLEAR SPAN STRUCTURE
	PED PIPE		BRIDGE
	ROAD DRAINAGE OUTFALL		ATTENUATION POND
	ROAD DRAINAGE CATCHMENT		WATERCOURSE DIVERSIONS
			CUT SLOPE DRAINING TO ROAD DRAINAGE

				Roughan & O'Donovan-AECOM Alliance Arena House, Arena Road, Sandyford, Dublin 18. Tel : +353 (1) 2940800 Fax : +353 (1) 2940820 e-mail : info@rod.ie Website : www.rod.ie www.aecom.com		Foynes to Limerick Road (including Adare Bypass) Environmental Impact Assessment Report		DRAINAGE NETWORK RATHKEALE TO ATTYFLIN - SECTION D SHEET 10 OF 11			
Designed: RR		File:		Status: E.I.A.R.		Drawing No: 14.131		Rev: -		Fig 10.24	
Drawn: LA		Job No: 14.131		Scale: 1:5000 (@ A3)		Date: December 2019					
Checked: SOL		Approved: SMG									

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LEGEND:

ROAD HIGH POINT

ROAD LOW POINT

LANDTAKE BOUNDARY

INTERCEPTOR DITCH

PED PIPE

ROAD DRAINAGE OUTFALL

ROAD DRAINAGE CATCHMENT

BOX CULVERT

PIPE CULVERT

EXISTING PIPE CULVERT

CLEAR SPAN STRUCTURE

BRIDGE

ATTENUATION POND

WATERCOURSE DIVERSIONS

CUT SLOPE DRAINING TO ROAD DRAINAGE

Tionscaldal Éireann
Project Ireland
2040

An Roinn Iompair
Turasóireachta agus Spóirt
Department of Transport,
Tourism and Sport

TIIV
Bonneagar Iompair Éireann
Transport Infrastructure Ireland

Comhairle Cathrach
& Contae Luimnigh
Limerick City
& County Council

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Project

Foynes to Limerick Road
(including Adare Bypass)

Environmental Impact
Assessment Report

Drawing Title:

DRAINAGE NETWORK
RATHKEALE TO ATTYFLIN - SECTION D
SHEET 11 OF 11

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Drawn: LA	Job No: 14.131	
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