

**LEGEND:**

ME - Meath Formation	FT - Fearnaght Formation
VIS - Visean Limestones (undifferentiated)	LN - Lackan Formation
BO - Boyle Sandstone Formation	ME - Meenymore Formation
VISoo - in Visean Limestones (undiff)	FA - Finnlaghta Formation
KL - Kilbryan Limestone Formation	MH - Moathill Formation
OK - Oakport Limestone Formation	BA - Ballysteen Formation
WA - Waulsortian Limestones	AE - Aghamore Formation
BK - Bricklieve Limestone Formation	KW - Keadew Formation
CL - Croghan Limestone Formation	KWbk - Bockagh Member
BM - Ballymore Limestone Formation	

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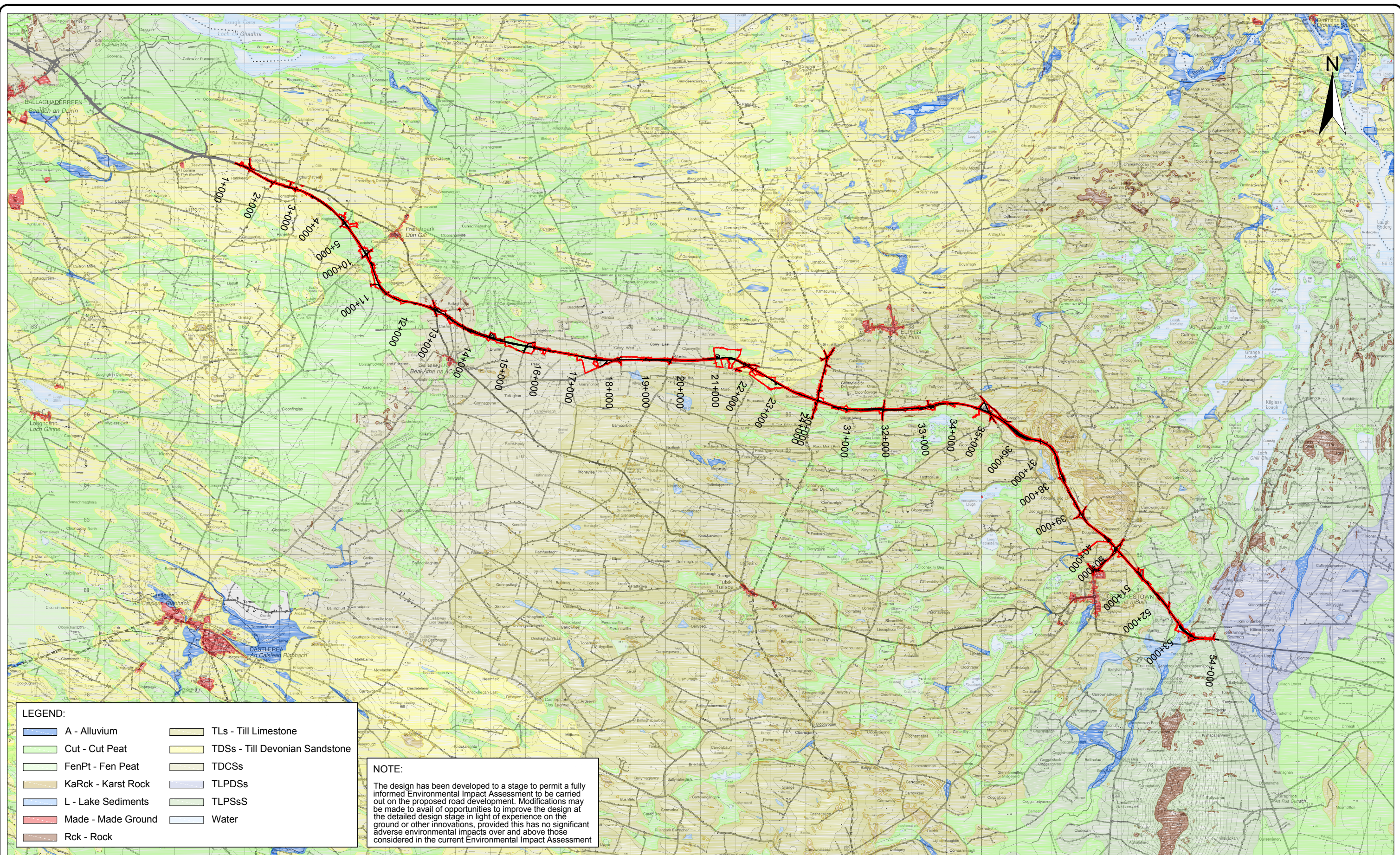
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 Alliance

Project	<b>N5 BALLAGHADERREEN TO SCRAMOG ROAD PROJECT</b>		Title	Bedrock Geology				
<b>ENVIRONMENTAL IMPACT ASSESSMENT REPORT</b>			Designed:	PM	Status:	E.I.A.R.		
			Drawn:	LA	Job No:	14.155		
			Checked:	BC	Scale:	1:100,000 (@ A3)	Drawing No:	Fig 9.1
			Approved:	JET	Date:	December 2017	Rev:	

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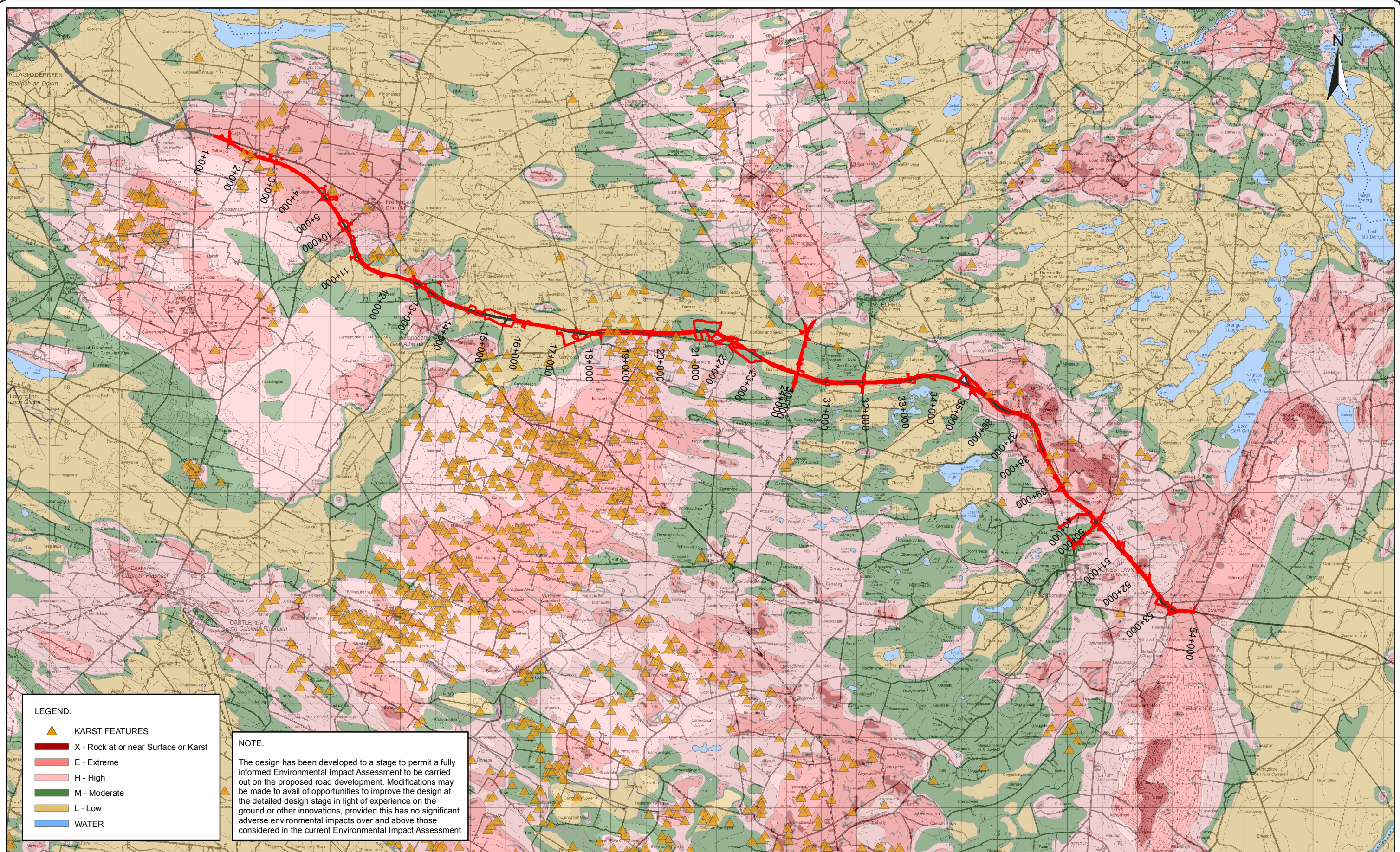
Project  
**N5 BALLAGHADERREEN TO SCRAMOG  
ROAD PROJECT**

**ENVIRONMENTAL IMPACT  
ASSESSMENT REPORT**

Title <b>Quaternary Geology</b>		Status E.I.A.R.	
Designed: PM	File:	Job No: 14.155	Scale: 1:100,000 (@ A3)
Drawn: MM	Checked: BC	Date: December 2017	Drawing No: Fig 9.2
Approved: JET			Rev:

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www.aecom.com

Project  
**N5 BALLAGHADERREEN TO SCRAMOGUE ROAD PROJECT**

**ENVIRONMENTAL IMPACT ASSESSMENT REPORT**

Title  
**Groundwater Vulnerability Mapping**

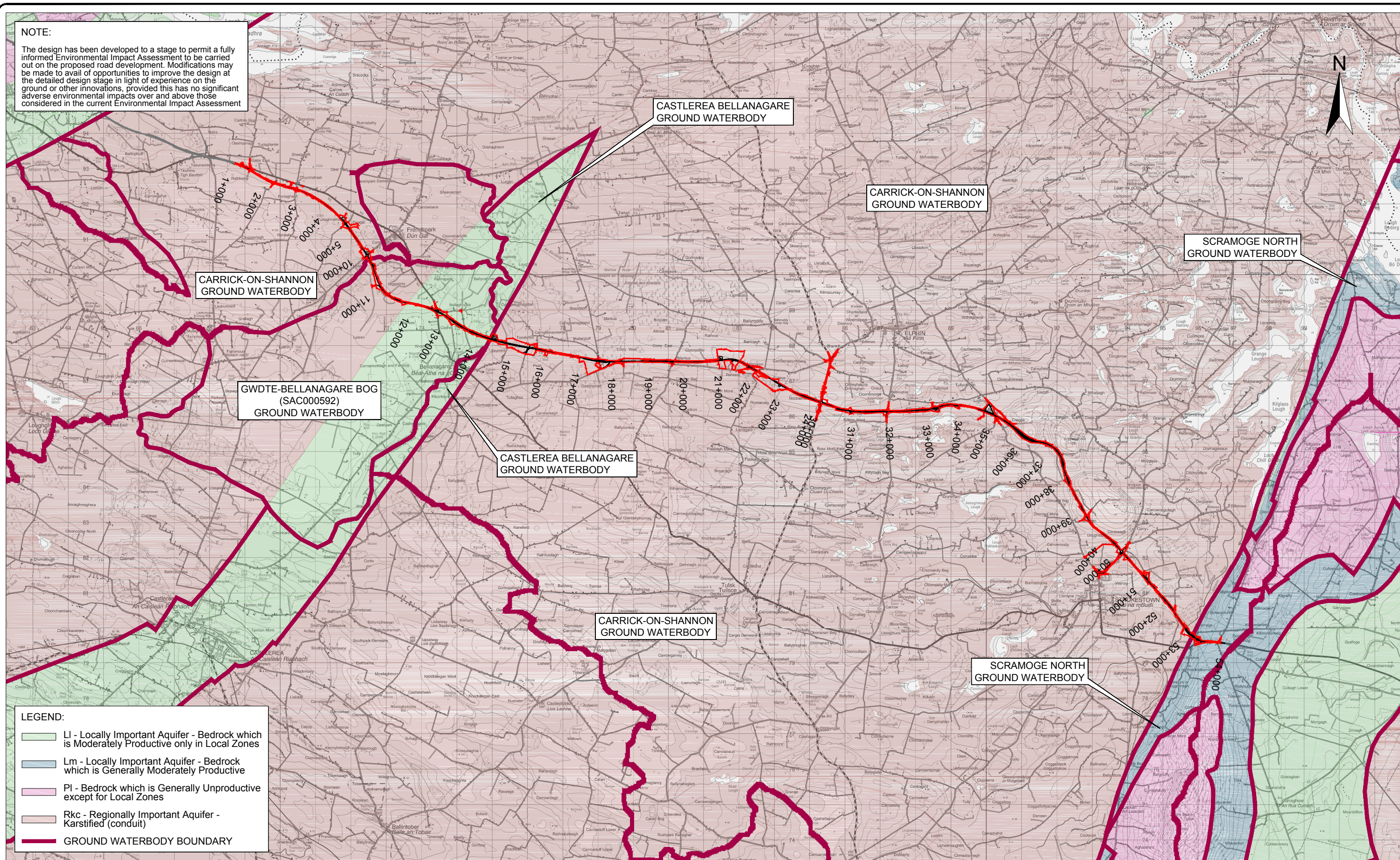
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Checked: BC	Scale: 1:100,000 (@ A3)	Drawn No: Fig 9.3
Approved: JET	Date: December 2017	Rev:

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Project  
**N5 BALLAGHADERREEN TO SCRAMOGE ROAD PROJECT**

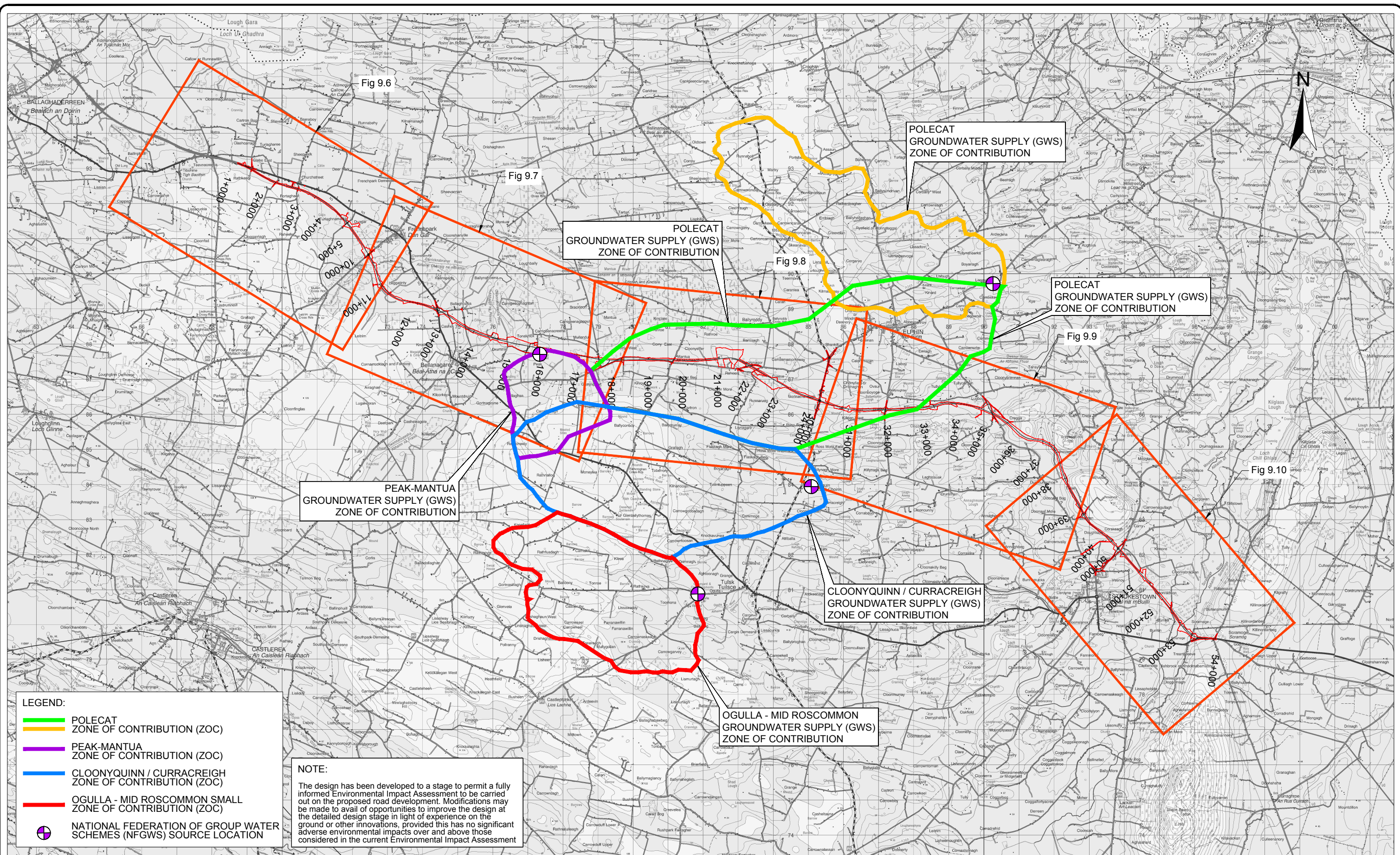
**ENVIRONMENTAL IMPACT ASSESSMENT REPORT**

Title  
**Bedrock Aquifer & Ground Waterbodies**

Designed: PM	File: 14.155	Status: E.I.A.R.
Drawn: MM	Job No: 14.155	
Checked: BC	Scale: 1:100,000 (@ A3)	Drawing No: Fig 9.4
Approved: JET	Date: December 2017	Rev:

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- LEGEND:**
- POLECAT ZONE OF CONTRIBUTION (ZOC)
  - PEAK-MANTUA ZONE OF CONTRIBUTION (ZOC)
  - CLOONYQUINN / CURRACREIGH ZONE OF CONTRIBUTION (ZOC)
  - OGULLA - MID ROSCOMMON SMALL ZONE OF CONTRIBUTION (ZOC)
  - NATIONAL FEDERATION OF GROUP WATER SCHEMES (NFGWS) SOURCE LOCATION

**NOTE:**  
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Project  
**N5 BALLAGHADERREEN TO SCRAMOGE ROAD PROJECT**

**ENVIRONMENTAL IMPACT ASSESSMENT REPORT**

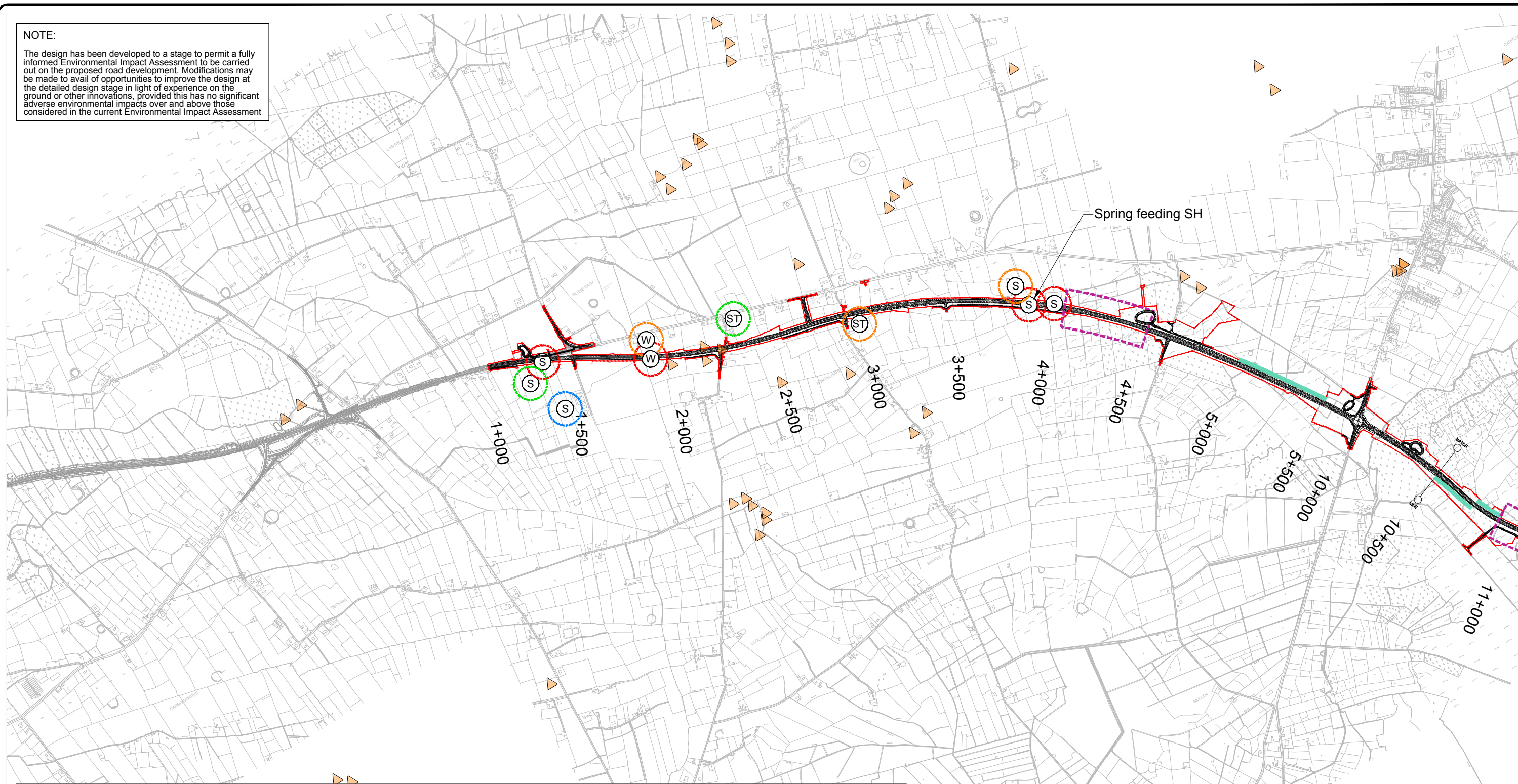
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Designed: PM	File: 14.155	Status: E.I.A.R.	
Drawn: LA	Job No: 14.155		
Checked: BC	Scale: 1:100,000 (@ A3)	Drawing No: Fig 9.5	Rev:
Approved: JET	Date: December 2017		

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**LEGEND:**

(W)	LOCATIONS OF WELLS	(Red dashed circle)	0-50m DISTANCE FROM CARRIAGEWAY CENTERLINE	(Green line)	POLECAT ZONE OF CONTRIBUTION (ZOC)	(Purple circle)	NATIONAL FEDERATION OF GROUP WATER SCHEMES (NFGWS)
(S)	SPRING FEEDING	(Orange dashed circle)	100m DISTANCE FROM CARRIAGEWAY CENTERLINE	(Purple line)	PEAK-MANTUA ZONE OF CONTRIBUTION (ZOC)	(Orange triangle)	KARST FEATURES (IDENTIFIED BY GSI)
(ST)	SEPTIC TANK	(Green dashed circle)	200m DISTANCE FROM CARRIAGEWAY CENTERLINE	(Blue line)	CLOONYQUINN / CURRAREIGH ZONE OF CONTRIBUTION (ZOC)	(Blue circle)	SITE KARST LOCATIONS (IDENTIFIED BY ROD-AECOM)
(Dashed purple line)	LOCATION OF TRANSVERSE IMPERMEABLE BARRIER	(Blue dashed circle)	300m DISTANCE FROM CARRIAGEWAY CENTERLINE	(Red line)	OGULLA - MID ROSCOMMON SMALL ZONE OF CONTRIBUTION (ZOC)		
(Solid green line)	LOCATION OF LONGITUDINAL IMPERMEABLE BARRIER						

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**N5 BALLAGHADERREEN TO SCRAMOGE ROAD PROJECT**

**ENVIRONMENTAL IMPACT ASSESSMENT REPORT**

Title  
**Groundwater Features, Hydrological & Hydrogeological Mitigation Measures Sheet 1 of 5**

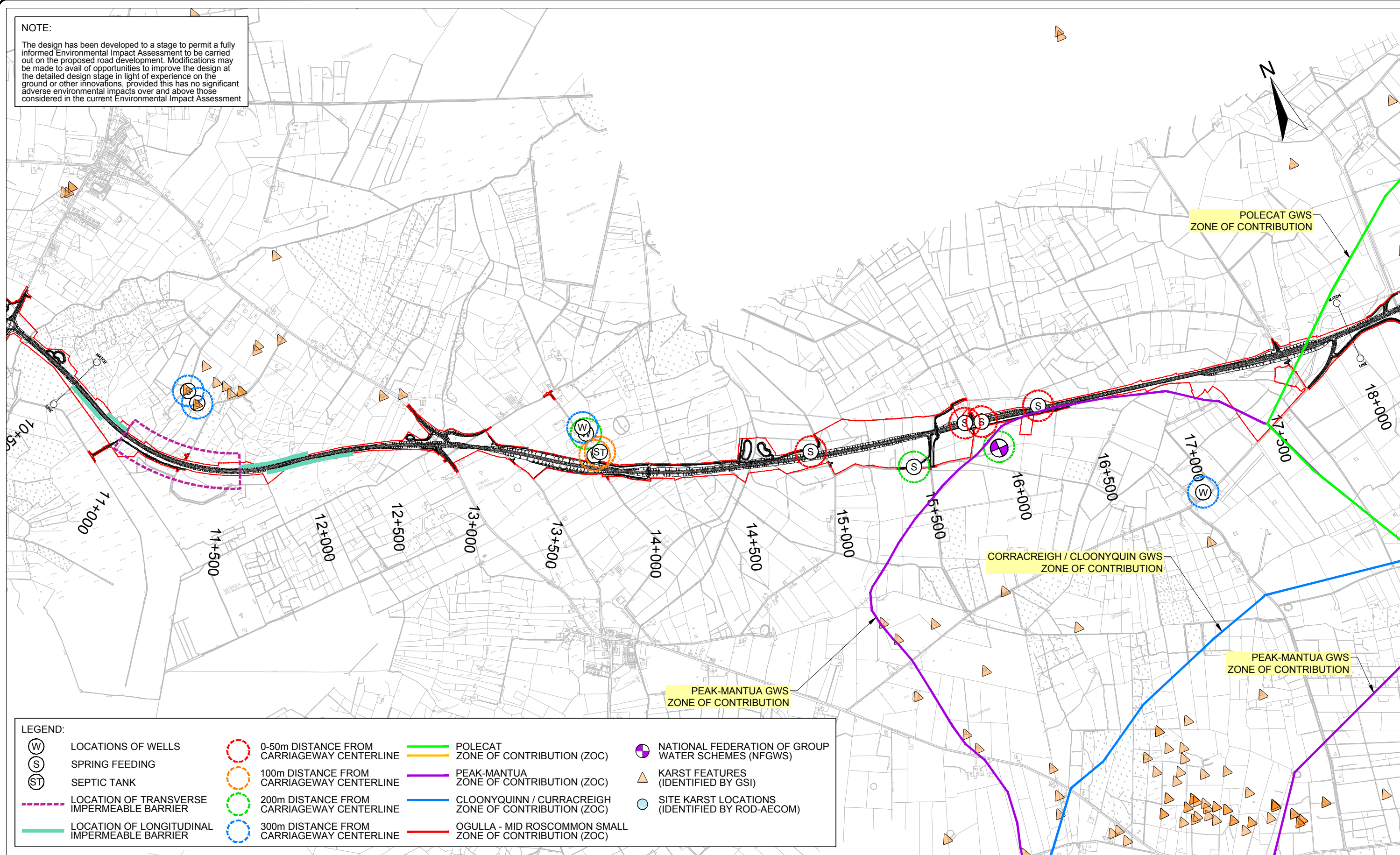
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Checked: BC	Scale: 1:10,000 (@ A3)	Drawing No: Fig 9.6
Approved: JET	Date: December 2017	Rev:

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**LEGEND:**

(W)	LOCATIONS OF WELLS	(Red dashed circle)	0-50m DISTANCE FROM CARRIAGEWAY CENTERLINE	(Green line)	POLECAT ZONE OF CONTRIBUTION (ZOC)	(Purple circle with cross)	NATIONAL FEDERATION OF GROUP WATER SCHEMES (NFGWS)
(S)	SPRING FEEDING	(Orange dashed circle)	100m DISTANCE FROM CARRIAGEWAY CENTERLINE	(Purple line)	PEAK-MANTUA ZONE OF CONTRIBUTION (ZOC)	(Brown triangle)	KARST FEATURES (IDENTIFIED BY GSI)
(ST)	SEPTIC TANK	(Green dashed circle)	200m DISTANCE FROM CARRIAGEWAY CENTERLINE	(Blue line)	CLOONYQUINN / CURRACREIGH ZONE OF CONTRIBUTION (ZOC)	(Blue circle)	SITE KARST LOCATIONS (IDENTIFIED BY ROD-AECOM)
(Dashed purple line)	LOCATION OF TRANSVERSE IMPERMEABLE BARRIER	(Blue dashed circle)	300m DISTANCE FROM CARRIAGEWAY CENTERLINE	(Red line)	OGULLA - MID ROSCOMMON SMALL ZONE OF CONTRIBUTION (ZOC)		
(Green line)	LOCATION OF LONGITUDINAL IMPERMEABLE BARRIER						

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**N5 BALLAGHADERREEN TO SCRAMOGE ROAD PROJECT**

**ENVIRONMENTAL IMPACT ASSESSMENT REPORT**

Title  
Groundwater Features, Hydrological & Hydrogeological Mitigation Measures Sheet 2 of 5

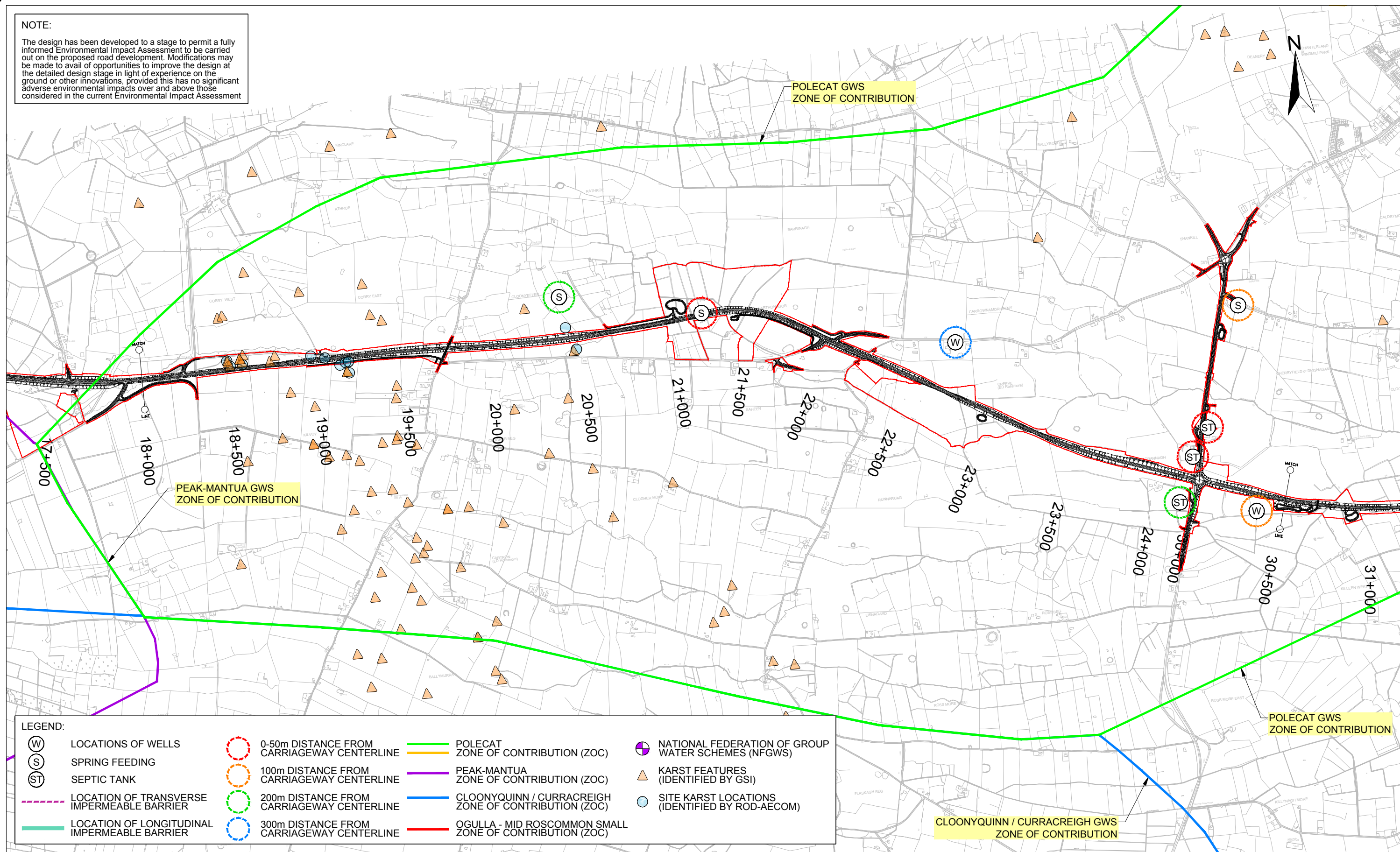
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Checked: BC	Scale: 1:10,000 (@ A3)	Drawn No: Fig 9.7
Approved: JET	Date: December 2017	Rev:

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**LEGEND:**

(W)	LOCATIONS OF WELLS	(Red dashed circle)	0-50m DISTANCE FROM CARRIAGEWAY CENTERLINE	(Green line)	POLECAT ZONE OF CONTRIBUTION (ZOC)	(Purple circle)	NATIONAL FEDERATION OF GROUP WATER SCHEMES (NFGWS)
(S)	SPRING FEEDING	(Orange dashed circle)	100m DISTANCE FROM CARRIAGEWAY CENTERLINE	(Purple line)	PEAK-MANTUA ZONE OF CONTRIBUTION (ZOC)	(Brown triangle)	KARST FEATURES (IDENTIFIED BY GSI)
(ST)	SEPTIC TANK	(Green dashed circle)	200m DISTANCE FROM CARRIAGEWAY CENTERLINE	(Blue line)	CLOONYQUINN / CURRACREIGH ZONE OF CONTRIBUTION (ZOC)	(Blue circle)	SITE KARST LOCATIONS (IDENTIFIED BY ROD-AECOM)
(Dashed line)	LOCATION OF TRANSVERSE IMPERMEABLE BARRIER	(Blue dashed circle)	300m DISTANCE FROM CARRIAGEWAY CENTERLINE	(Red line)	OGULLA - MID ROSCOMMON SMALL ZONE OF CONTRIBUTION (ZOC)		
(Solid line)	LOCATION OF LONGITUDINAL IMPERMEABLE BARRIER						

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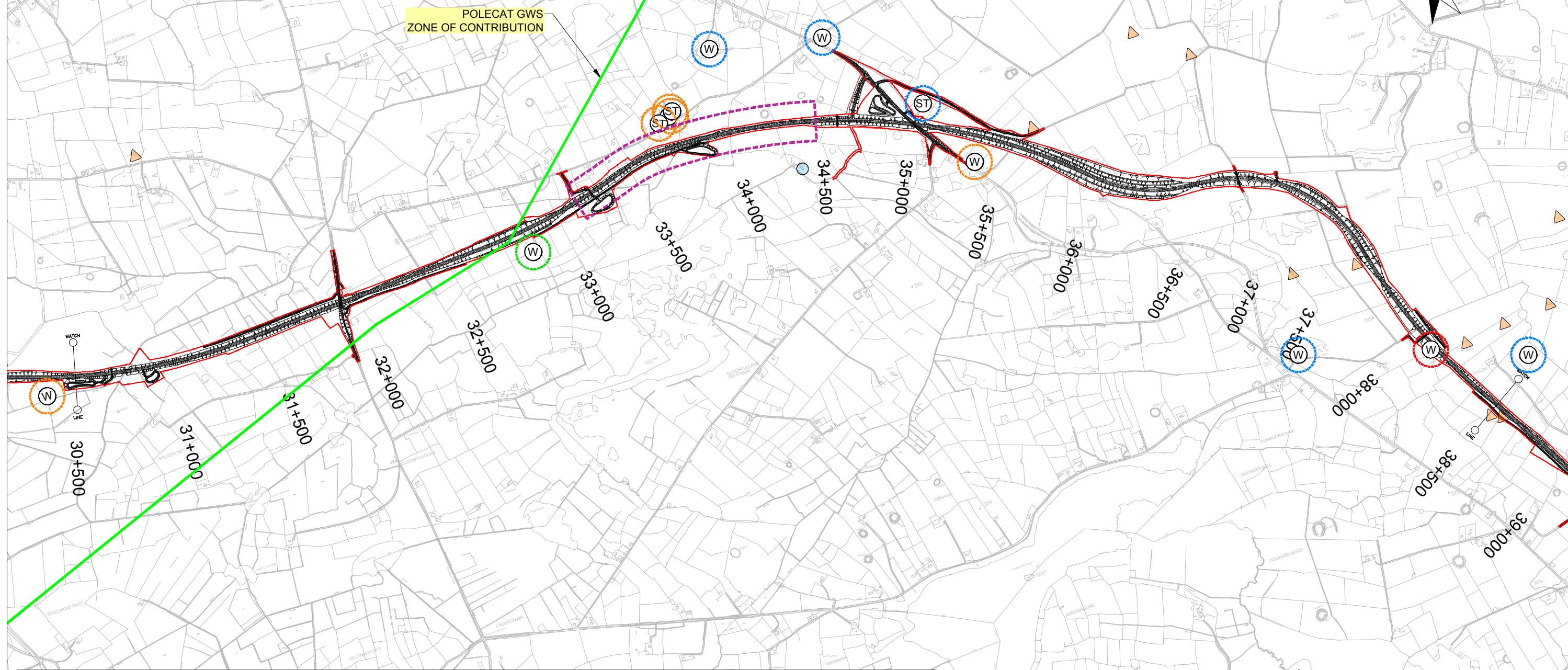
**ENVIRONMENTAL IMPACT ASSESSMENT REPORT**

Title: Groundwater Features, Hydrological & Hydrogeological Mitigation Measures Sheet 3 of 5			
Designed: PM	File:	Status:	E.I.A.R.
Drawn: LA	Job No: 14.155		
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Approved: JET	Date: December 2017		

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(W)	LOCATIONS OF WELLS	(Red dashed circle)	0-50m DISTANCE FROM CARRIAGEWAY CENTERLINE	(Green line)	POLECAT ZONE OF CONTRIBUTION (ZOC)	(Purple circle with W)	NATIONAL FEDERATION OF GROUP WATER SCHEMES (NFGWS)
(S)	SPRING FEEDING	(Orange dashed circle)	100m DISTANCE FROM CARRIAGEWAY CENTERLINE	(Purple line)	PEAK-MANTUA ZONE OF CONTRIBUTION (ZOC)	(Brown triangle)	KARST FEATURES (IDENTIFIED BY GSI)
(ST)	SEPTIC TANK	(Green dashed circle)	200m DISTANCE FROM CARRIAGEWAY CENTERLINE	(Blue line)	CLOONYQUINN / CURRAREIGH ZONE OF CONTRIBUTION (ZOC)	(Blue circle with W)	SITE KARST LOCATIONS (IDENTIFIED BY ROD-AECOM)
(---)	LOCATION OF TRANSVERSE IMPERMEABLE BARRIER	(Blue dashed circle)	300m DISTANCE FROM CARRIAGEWAY CENTERLINE	(Red line)	OGULLA - MID ROSCOMMON SMALL ZONE OF CONTRIBUTION (ZOC)		
(---)	LOCATION OF LONGITUDINAL IMPERMEABLE BARRIER						

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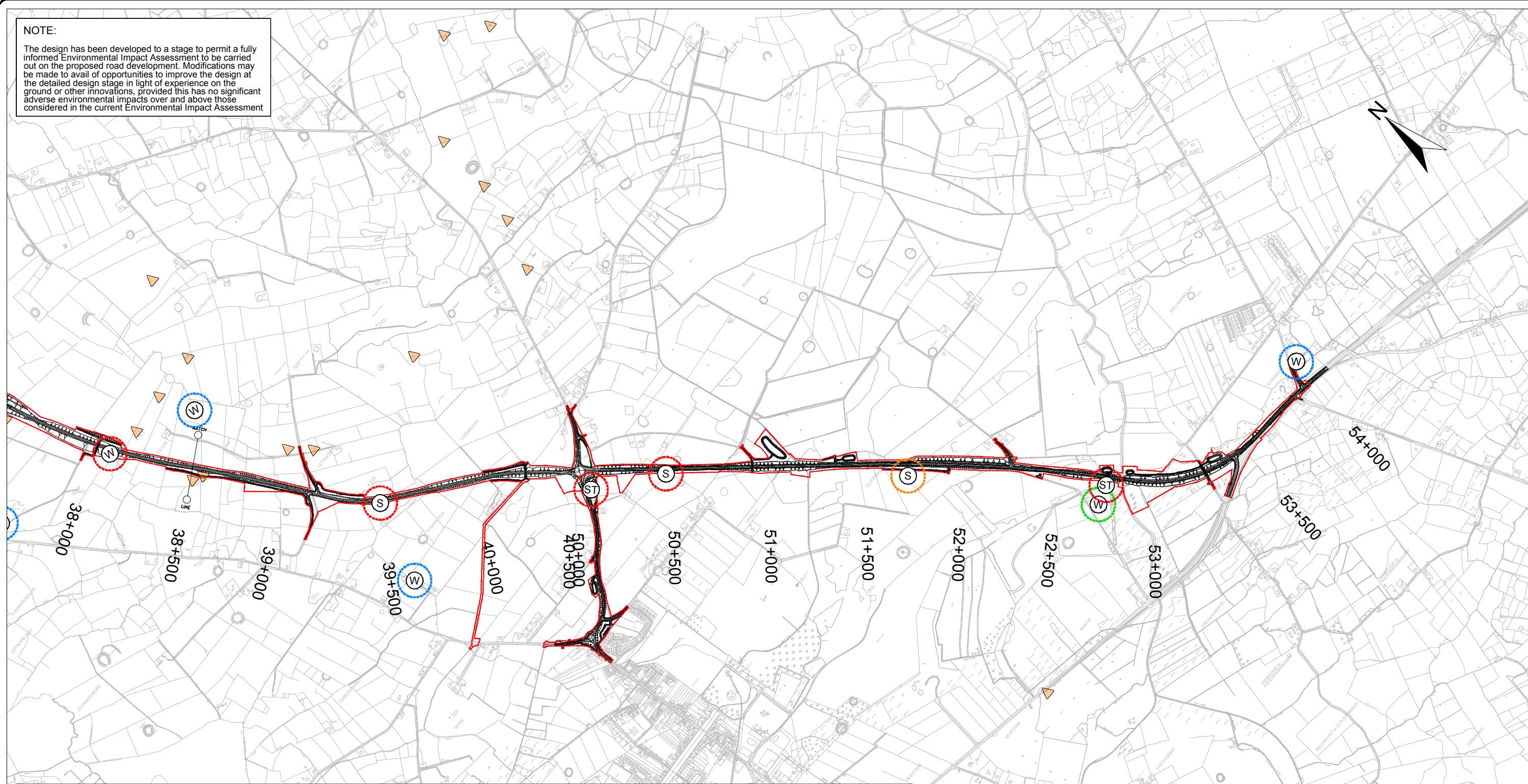
**ENVIRONMENTAL IMPACT ASSESSMENT REPORT**

Title Groundwater Features, Hydrological & Hydrogeological Mitigation Measures Sheet 4 of 5			
Designed: PM	File:	Status:	E.I.A.R.
Drawn: LA	Job No: 14.155		
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Approved: JET	Date: December 2017	Rev:	

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(Dashed line)	LOCATION OF TRANSVERSE IMPERMEABLE BARRIER	(Blue dashed circle)	300m DISTANCE FROM CARRIAGEWAY CENTERLINE	(Red line)	OGULLA - MID ROSCOMMON SMALL ZONE OF CONTRIBUTION (ZOC)		
(Green line)	LOCATION OF LONGITUDINAL IMPERMEABLE BARRIER						

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ENVIRONMENTAL IMPACT ASSESSMENT REPORT

Title Groundwater Features, Hydrological & Hydrogeological Mitigation Measures Sheet 5 of 5			
Designed: PM	File:	Status:	E.I.A.R.
Drawn: LA	Job No: 14.155		
Checked: BC	Scale: 1:10,000 (@ A3)	Drawing No:	Fig 9.10
Approved: JET	Date: December 2017	Rev:	

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