

**Legend**

- Development Boundary
- ⬮ Cave
- ⬮ Spring
- Rock at or near Surface or Karst
- Extreme
- High
- Moderate
- Low
- Water

Client	Tionscald Éireann Project Ireland 2040							
Consultant	IDOM							
Project	Iarnród Éireann Irish Rail							
Drawing Title	GROUNDWATER VULNERABILITY & KARST LANDFORMS OVERVIEW							
Scale:	1:40,000 @ A1; 1:80,000 @ A3							
Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY	MDC	GEO	ROUT	DR	G	94000	D	
Date: April 2022	Job No: P/101086	Status: F1 - Approved & Accepted	Rev: V 01	Sheet: 1 of 1				

Client

Consultant

Client

Tionscald Éireann  
Project Ireland  
2040

NTA  
Údaráis Náisiúnta  
National Transport Authority

Iarnród Éireann  
Irish Rail

Project

DART+  
West

Consultant

IDOM

G3

PROD

ROUGHAN & O'DONOVAN

Project

DART+  
West

Drawing Title

GROUNDWATER VULNERABILITY & KARST LANDFORMS  
OVERVIEW

Scale:

1:40,000 @ A1; 1:80,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase

MAY | MDC | GEO | ROUT | DR | G | 94000 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 1 of 1



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- High
- Moderate
- Low
- Water

REV.	DATE	DESCRIPTION	LA	PK	FO'K
V 01	April 2022	PLANNING ISSUE			
PRODUCED BY: _____ REVIEWED BY: _____ APPROVED BY: _____					

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 All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSi active GPS station Tallaght College (TLLG).

Client

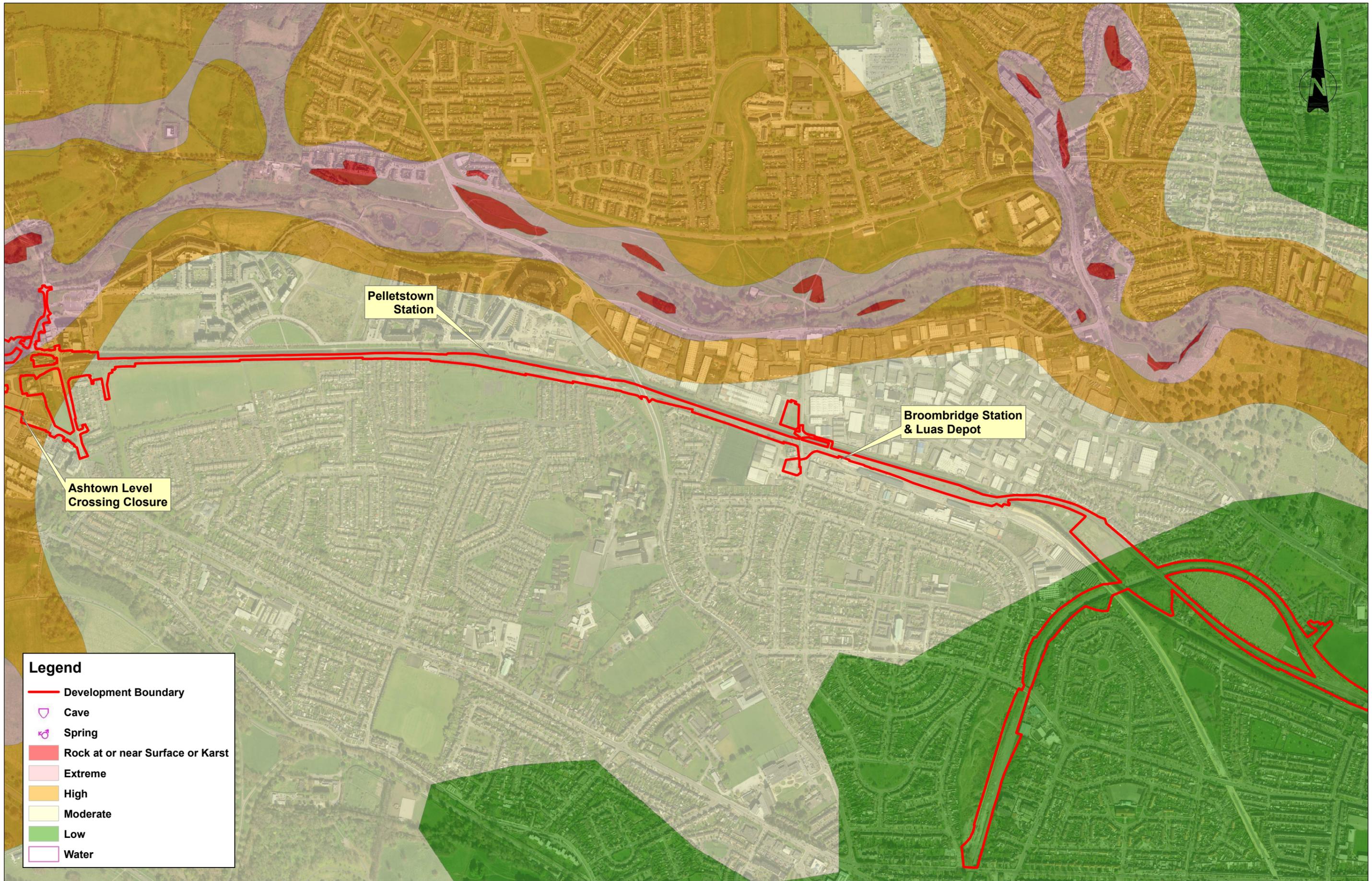
Consultant

Project

Drawing Title

**GROUNDWATER VULNERABILITY & KARST LANDFORMS**  
SHEET 1

Scale:	1:5,000 @ A1; 1:10,000 @ A3									
Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase		
	MAY	MDC	GEO	ROUT	DR	G	94001	D		
Date:	April 2022	Job No:	P/101086	Status:	F1 - Approved & Accepted	Rev:	V 01	Sheet:	1 of 11	



**Legend**

- Development Boundary
- ⬮ Cave
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Client

Consultant

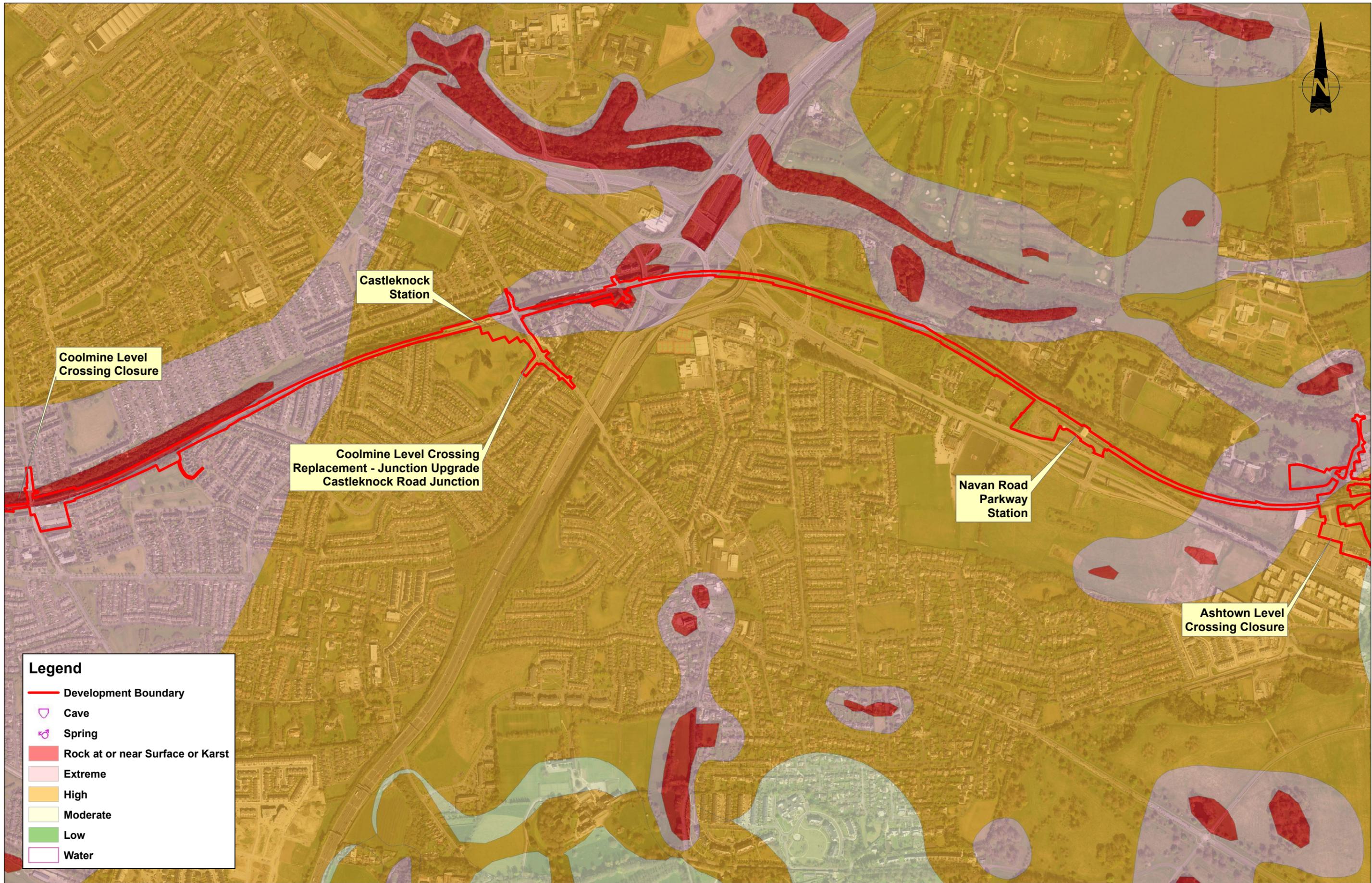
Project

Drawing Title

**GROUNDWATER VULNERABILITY & KARST LANDFORMS  
SHEET 2**

Scale:  
1:5,000 @ A1; 1:10,000 @ A3

Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY	MDC	GEO	ROUT	DR	G	94002	D	
Date: April 2022	Job No: P/101086	Status: F1 - Approved & Accepted	Rev: V 01	Sheet: 2 of 11				



**Legend**

- Development Boundary
- ◊ Cave
- ⊕ Spring
- Rock at or near Surface or Karst
- Extreme
- High
- Moderate
- Low
- Water

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Client



Consultant

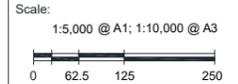


Project

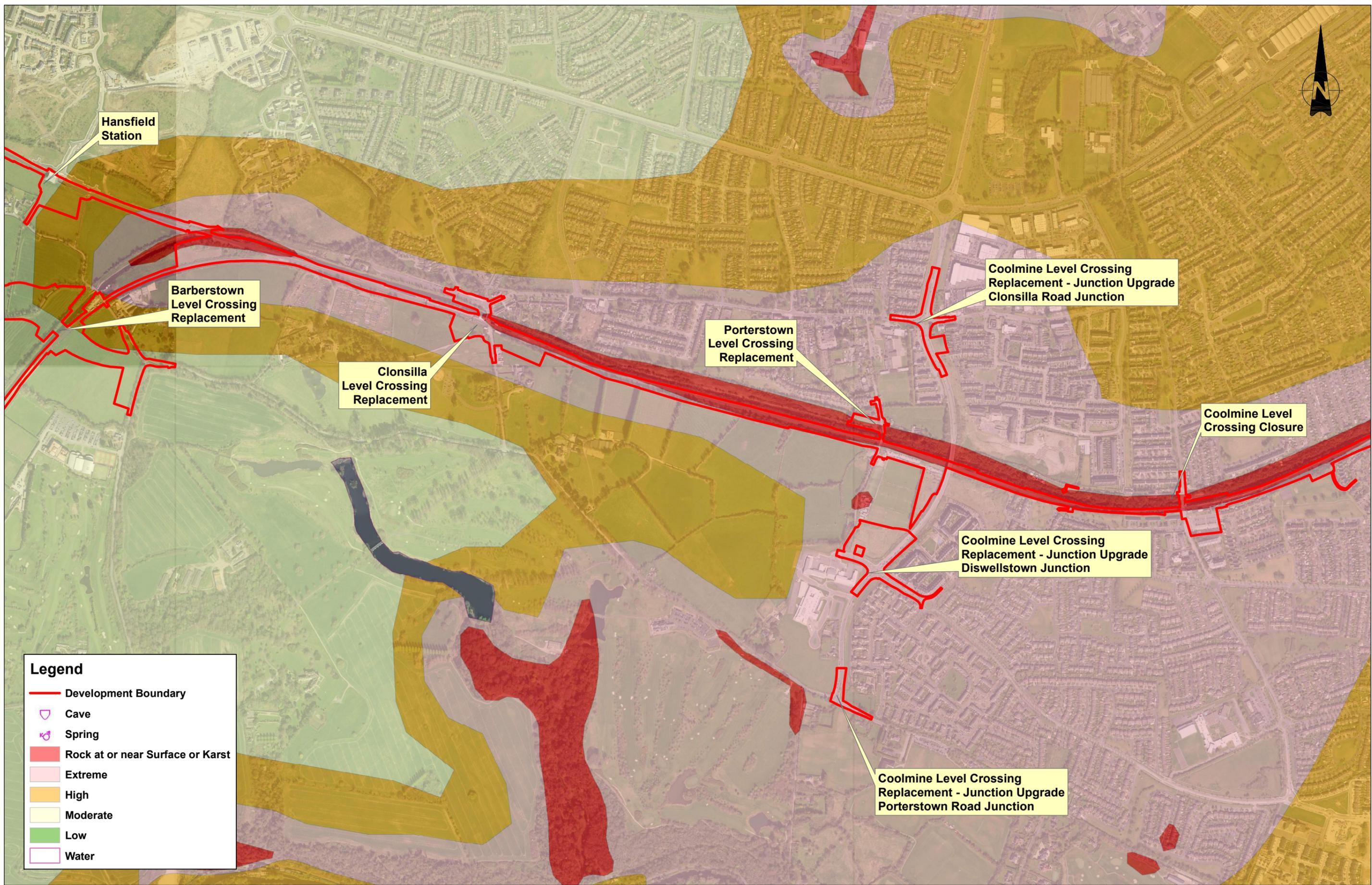


Drawing Title

GROUNDWATER VULNERABILITY & KARST LANDFORMS  
SHEET 3



Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
	MAY	MDC	GEO	ROUT	DR	G	94003	D
Date:	Job No:	Status:	Rev:					
April 2022	P/101086	F1 - Approved & Accepted	V 01	Sheet: 3 of 11				



**Legend**

- Development Boundary
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- Extreme
- High
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- Water

REV.	DATE	DESCRIPTION	LA	PK	FO'K
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APPROVED BY					

Client

Tionscald Eireann  
Project Ireland  
2040

NTA  
Údarán Náisiúnta Iompair  
National Transport Authority

Iarnród Éireann  
Irish Rail

IDOM

ROD  
ROUGHAN & O'DONOVAN

Project

DART+  
West

Drawing Title

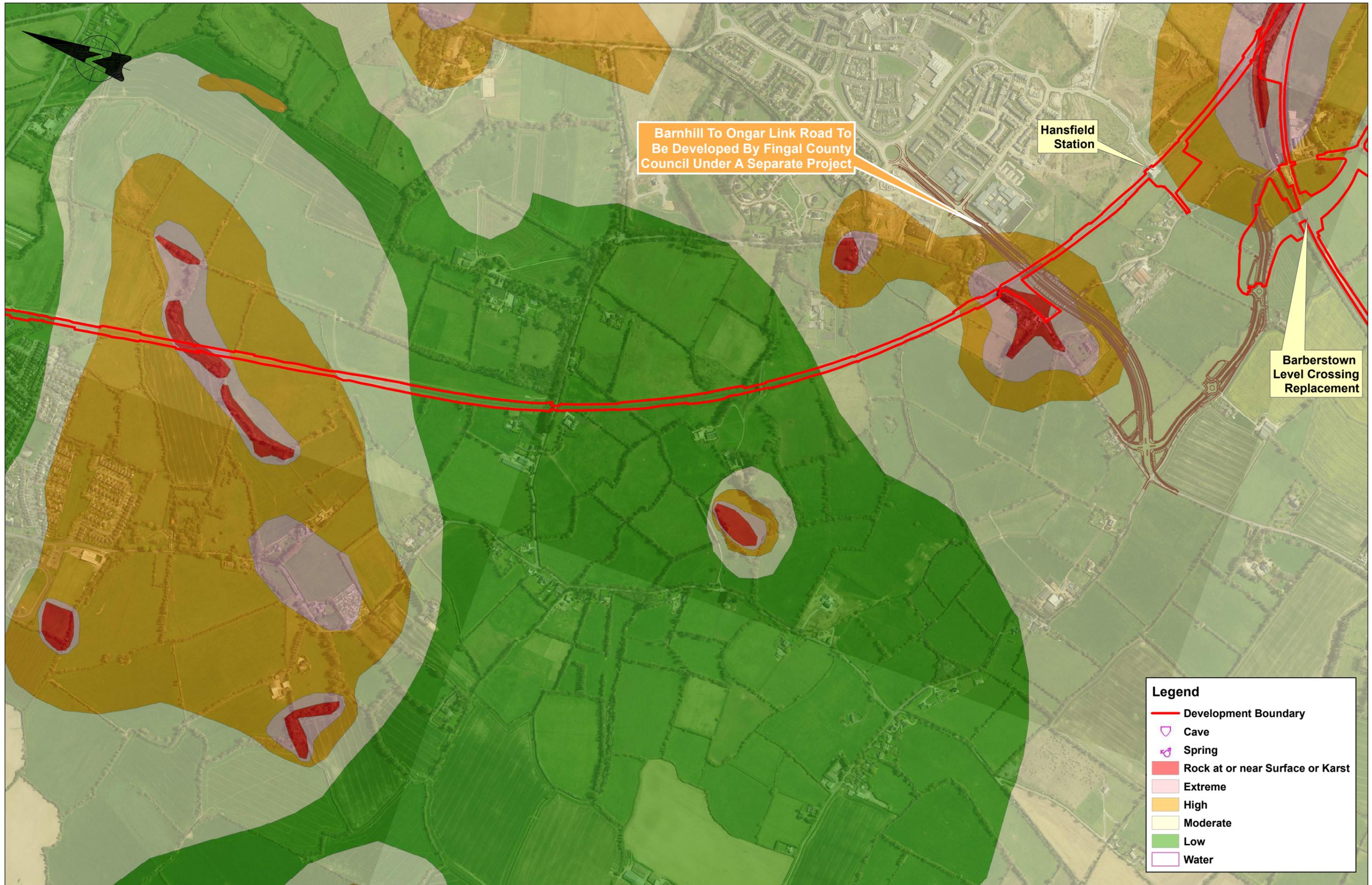
GROUNDWATER VULNERABILITY & KARST LANDFORMS  
SHEET 4

Scale:  
1:5,000 @ A1; 1:10,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | GEO | ROUT | DR | G | 94004 | D

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Barnhill To Ongar Link Road To Be Developed By Fingal County Council Under A Separate Project

Hansfield Station

Barberstown Level Crossing Replacement

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Client

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National Transport Authority

Irish Rail

Consultant

IDOM

ROD  
ROUGHAN & O'DONOVAN

Project

DART+  
West

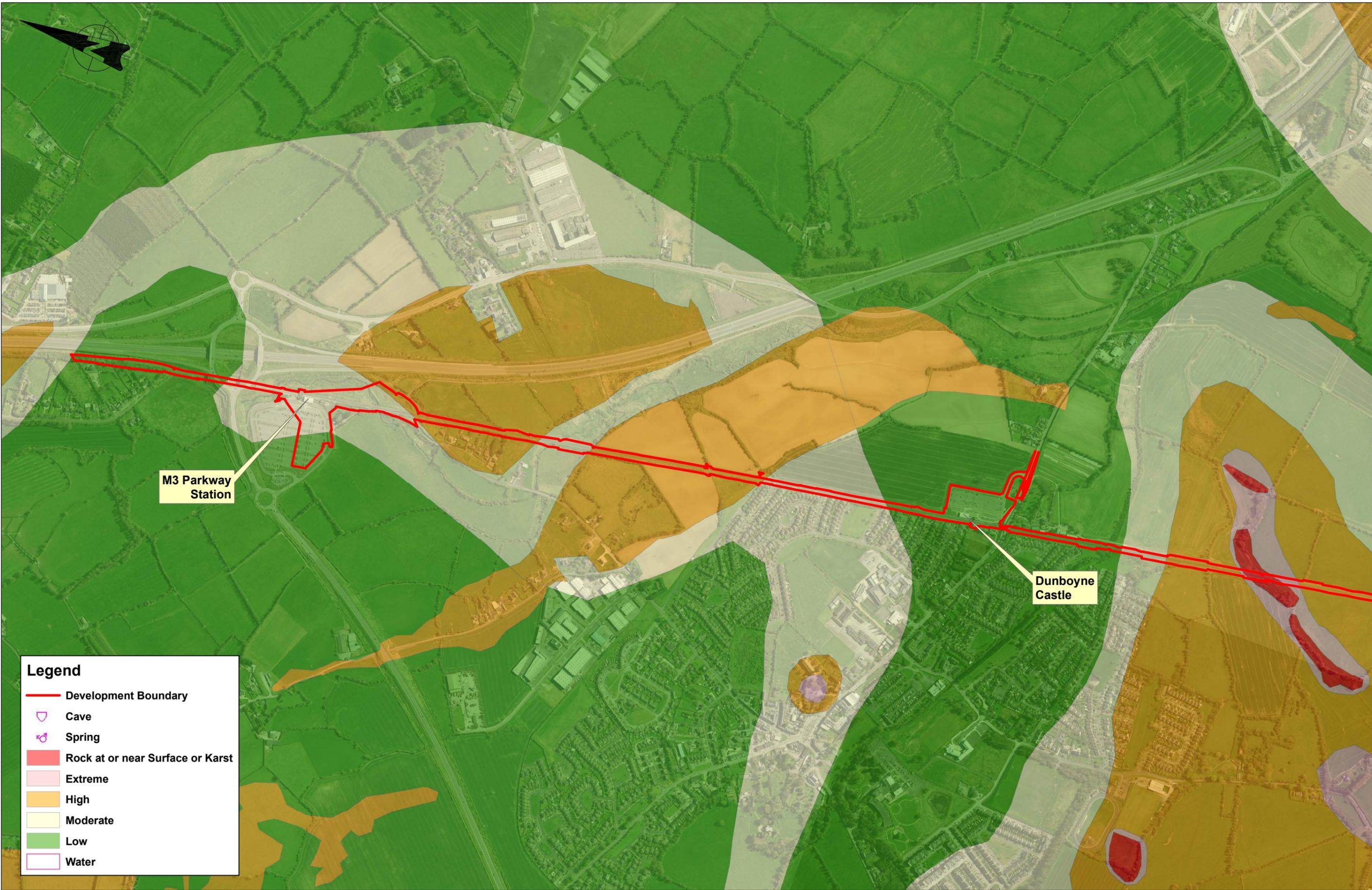
Drawing Title

GROUNDWATER VULNERABILITY & KARST LANDFORMS  
SHEET 5

Scale:  
1:5,000 @ A1; 1:10,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | GEO | ROUT | DR | G | 95001 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 5 of 11



**Legend**

- Development Boundary
- ⬮ Cave
- ⊕ Spring
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- Extreme
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Client

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Project Ireland  
2040

NTA  
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National Transport Authority

larnród Éireann  
Irish Rail

Consultant

IDOM

C3

FIROD  
ROGHYAN & O'DONOVAN

Project

DART+  
West

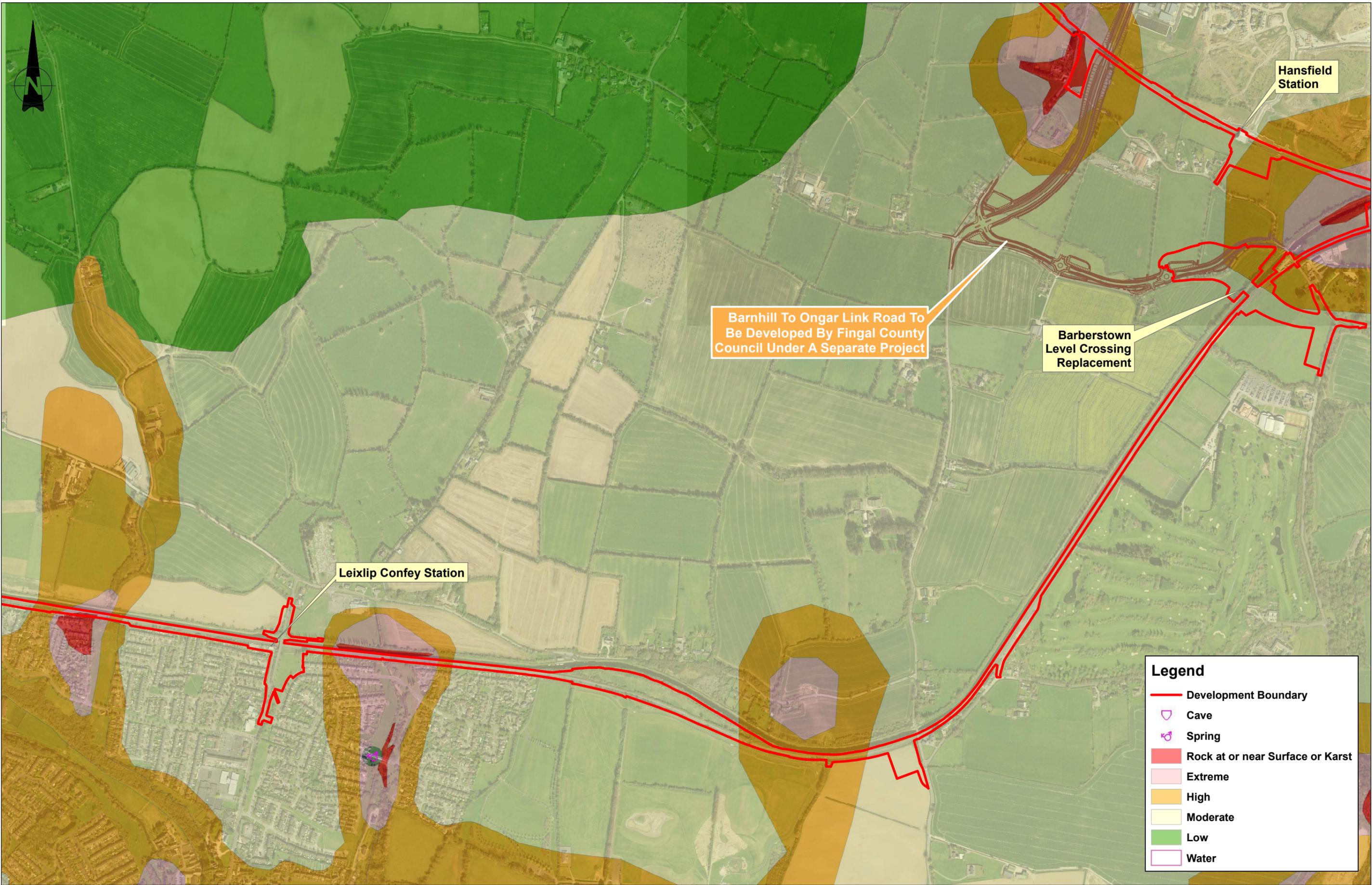
Drawing Title

GROUNDWATER VULNERABILITY & KARST LANDFORMS  
SHEET 6

Scale:  
1:5,000 @ A1; 1:10,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | GEO | ROUT | DR | G | 94006 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 6 of 11



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Client

Tionscald Eireann  
Project Ireland  
2040

NTA  
Údaráis Náisiúnta Iompair  
Náisiúnta Transport Authority

Iarnród Éireann  
Irish Rail

Consultant

IDOM

ROD  
ROUGHAN & O'DONOVAN

Project

DART+  
West

Drawing Title

GROUNDWATER VULNERABILITY & KARST LANDFORMS  
SHEET 7

Scale:  
1:5,000 @ A1; 1:10,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | GEO | ROUT | DR | G | 94007 | D

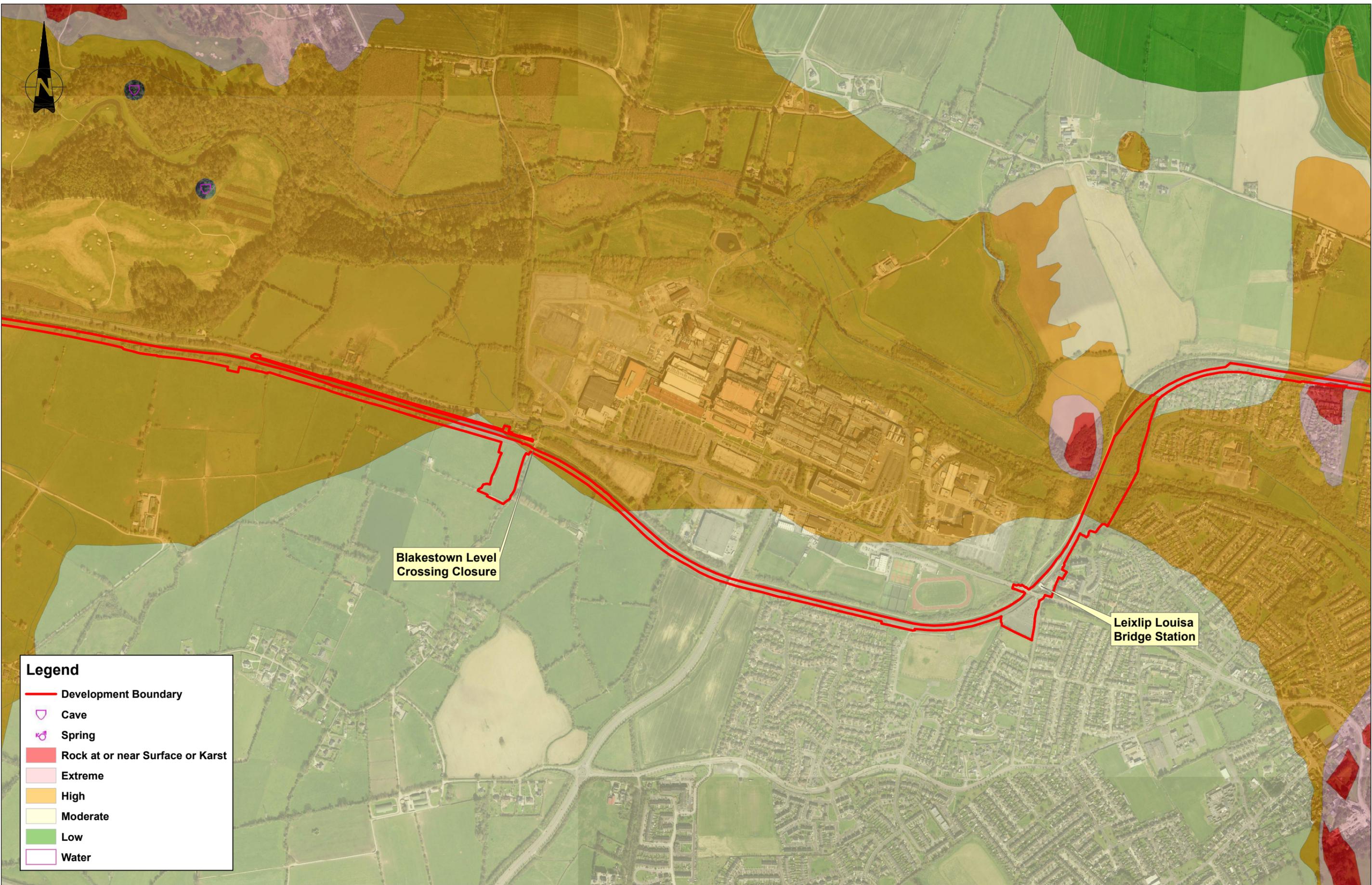
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**Legend**

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Client

Tionscadal Éireann  
Project Ireland  
2040

NTA  
Údaráis Náisiúnta Iompair  
National Transport Authority

Iarnród Éireann  
Irish Rail

Consultant

IDOM

ROD  
ROUGHAN & O'DONOVAN

Project

DART+  
West

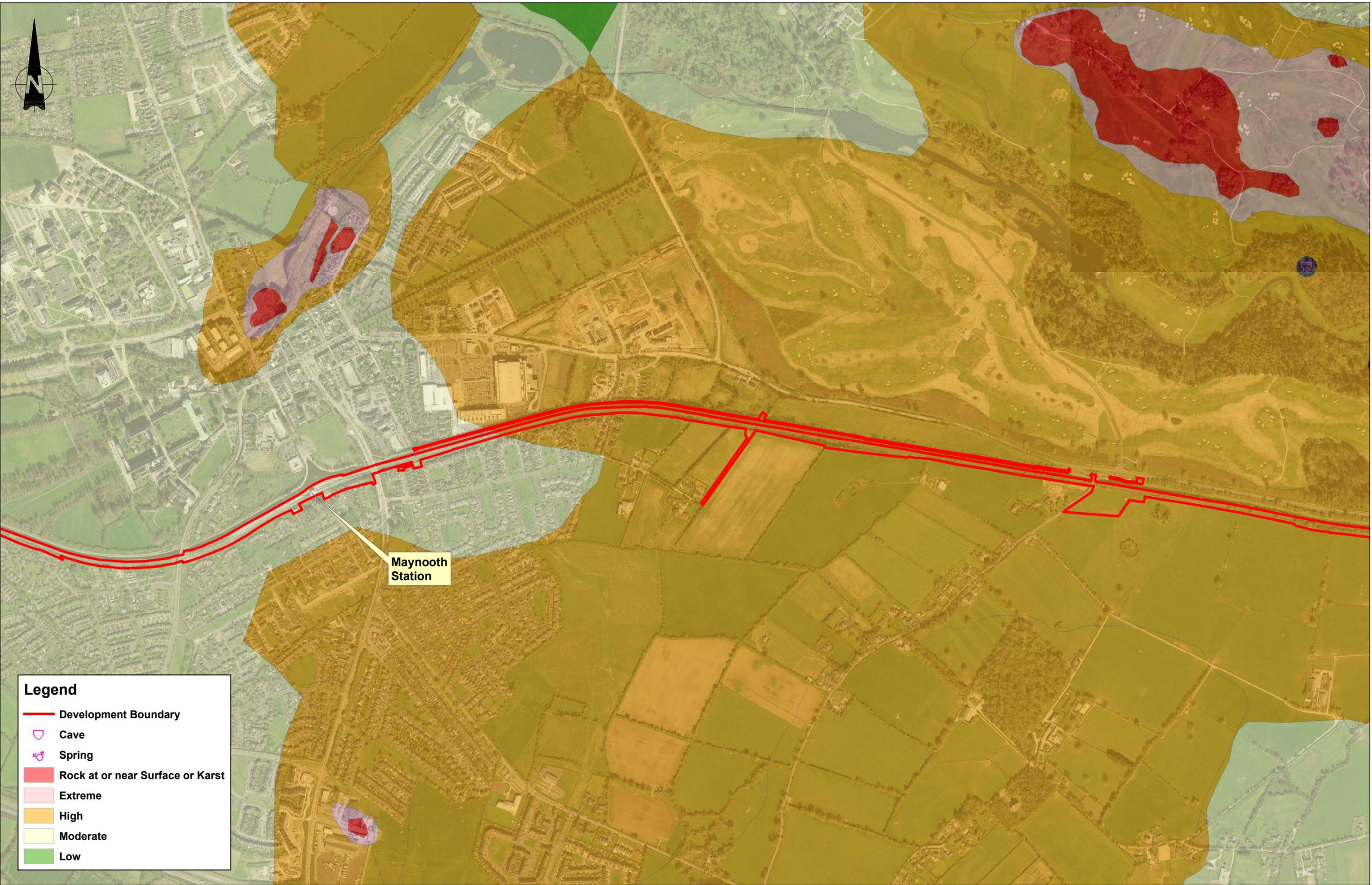
Drawing Title

**GROUNDWATER VULNERABILITY & KARST LANDFORMS  
SHEET 8**

Scale:  
1:5,000 @ A1; 1:10,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | GEO | ROUT | DR | G | 94008 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 8 of 11



**Legend**

- Development Boundary
- ⬮ Cave
- ⊕ Spring
- Rock at or near Surface or Karst
- Extreme
- High
- Moderate
- Low

Client



Project



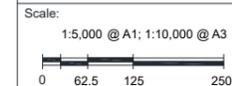
Drawing Title

**GROUNDWATER VULNERABILITY & KARST LANDFORMS  
SHEET 9**

REV.	DATE	DESCRIPTION	LA	PK	FO'K
V 01	April 2022	PLANNING ISSUE			

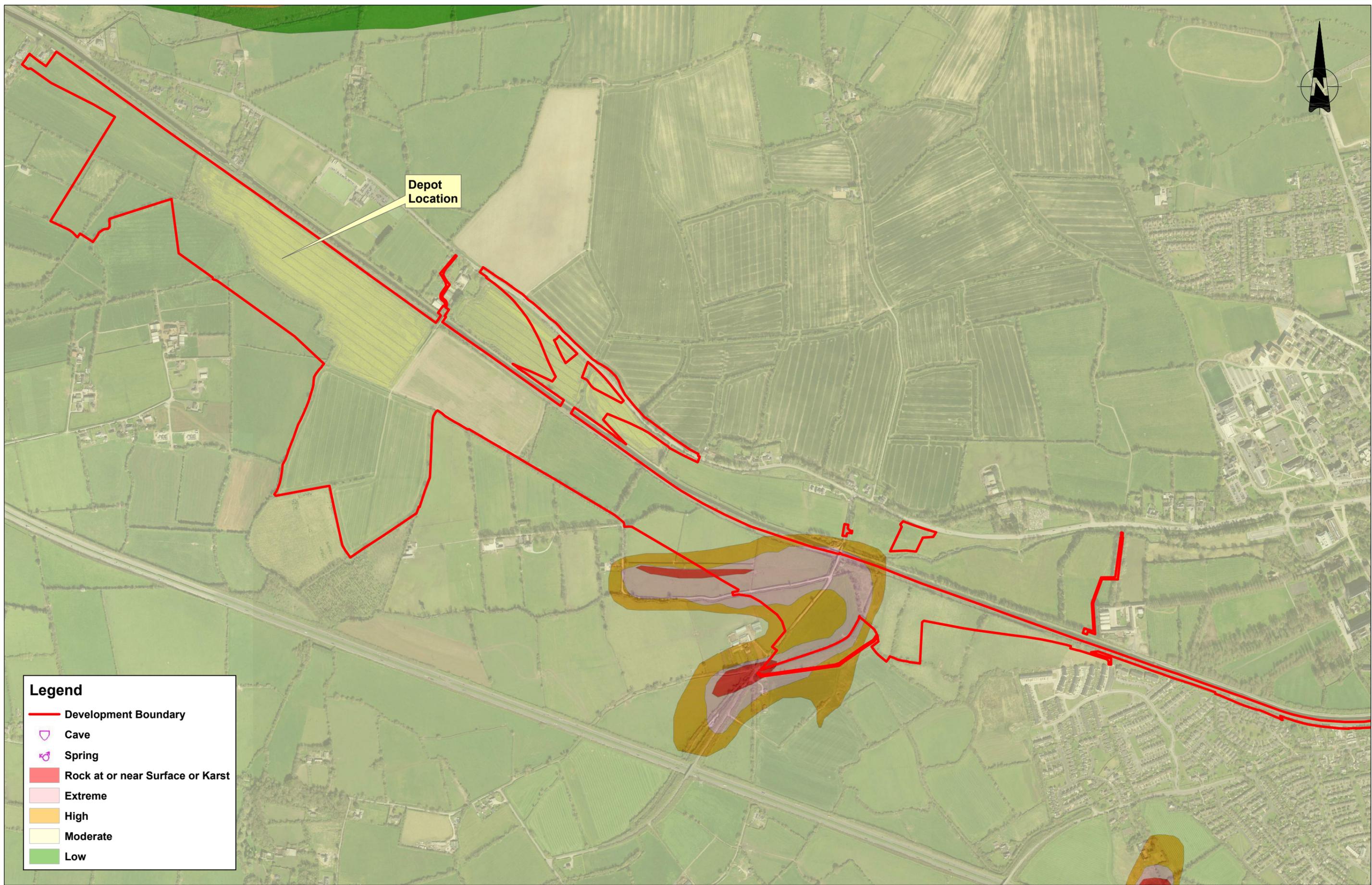
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Consultant



Drawing Number	Project	Originator	Discipline	Location	Type	Role	Number	Phase
MAY	MDC	GEO	ROUT	DR	G	94009	D	

Date: April 2022	Job No: P/101086	Status: F1 - Approved & Accepted	Rev: V 01	Sheet: 9 of 11
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Depot Location

**Legend**

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Client

Tionscald Eireann  
Project Ireland  
2040

NTA  
Údaráis Náisiúnta Iompair  
Náisiúnta Transport Authority

Iarnród Éireann  
Irish Rail

IDOM

ROD  
ROUGHAN & O'DONOVAN

Project

DART+  
West

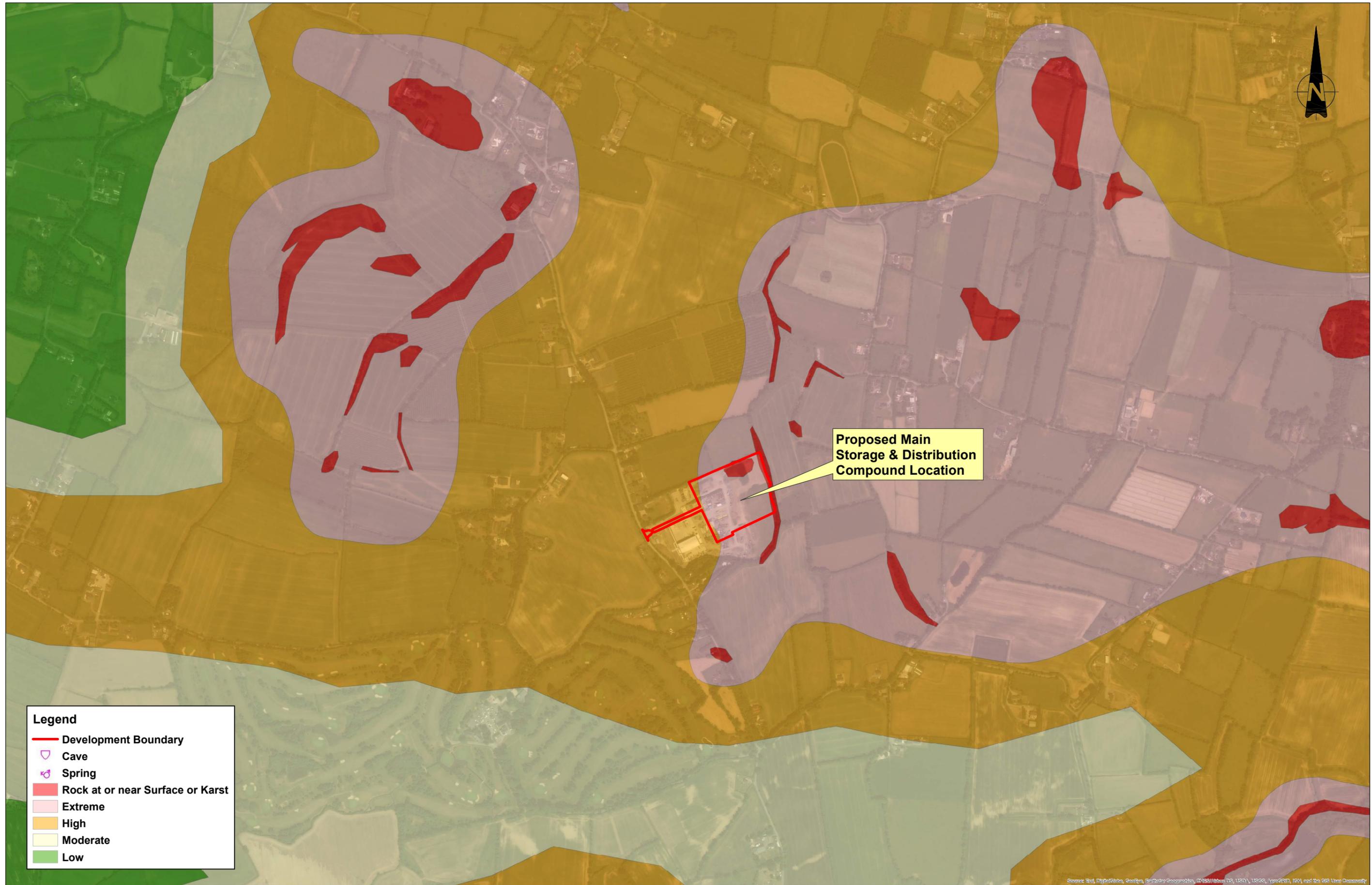
Drawing Title

**GROUNDWATER VULNERABILITY & KARST LANDFORMS**  
SHEET 10

Scale:  
1:5,000 @ A1; 1:10,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
MAY | MDC | GEO | ROUT | DR | G | 94010 | D

Date: April 2022 | Job No: P/101086 | Status: F1 - Approved & Accepted | Rev: V 01 | Sheet: 10 of 11



**Legend**

- Development Boundary
- ⬮ Cave
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- Rock at or near Surface or Karst
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- Low

REV	DATE	DESCRIPTION	LA	PK	FO'K
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Client

Tionscadal Éireann Project Ireland 2040

NTA Údaráis Náisiúnta Iompair National Transport Authority

larród Éireann Irish Rail

Consultant

IDOM

ROD ROUGHAN & O'DONOVAN

Project

DART+ West

Drawing Title

GROUNDWATER VULNERABILITY & KARST LANDFORMS SHEET 11

Scale: 1:5,000 @ A1; 1:10,000 @ A3

Drawing Number | Project | Originator | Discipline | Location | Type | Role | Number | Phase  
 MAY MDC GEO ROUT DR G 94011 D

Date: April 2022 Job No: P/101086 Status: F1 - Approved & Accepted Rev: V 01 Sheet: 11 of 11