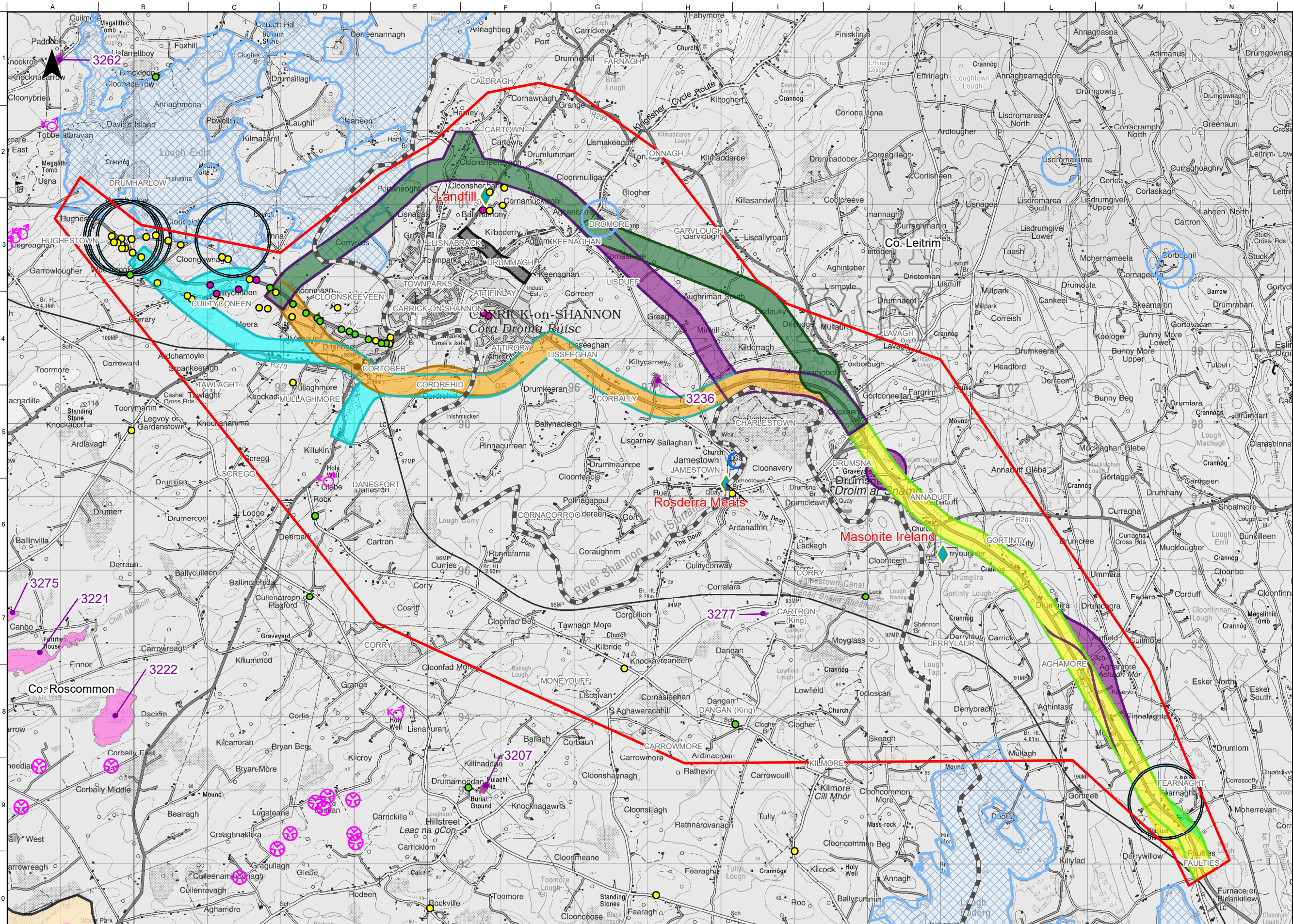




FOR INFORMATION

Legend

- Study Area Boundary
- Roscommon/Leitrim County Boundary
- Stage 2 Option Corridors
 - Cyan Option Corridor
 - Orange Option Corridor
 - Purple West Option Corridor
 - Dark Green Option Corridor
 - Black Option Corridor
 - Yellow Option Corridor
 - Green Option Corridor
 - Purple East Option Corridor

Proposed Natural Heritage Area (pNHA)

Well Localities (Geological Survey Ireland 2020)

- 10m Location Accuracy
- 20m Location Accuracy
- 50m Location Accuracy
- 200m Location Accuracy
- 500m Location Accuracy
- 1km Location Accuracy

Karst Landforms

- Enclosed Depression
- Spring

Groundwater Discharges and Emissions EPA (2020)

- Potential discharge to ground

Groundwater Resources [GSI]

- Group Scheme Preliminary Source Protection Areas

Historic Groundwater Flooding

- Groundwater
- Groundwater/Surface water

OSi Licence number 2022/OSI_NMA_139
OSi Licence number 2022/18/CCMA

Disclaimer Note:
The Constraints and Options shown are draft only and subject to change. More detailed assessments, on-going studies and the information received from the public may result in changes to these Constraints and Options.

Note Séanta:
Tá na srianta agus na roghanna atá léirithe ina bhfoirm dréacht, d'fhéadfaí athraithe teacht orthu. Is mar thoradh ar mheasúnaithe níos mionchruinne, ar staidéar leanúnach agus ar eolas ón bpobal go ndéadfaí athruithe ar na srianta agus na roghanna seo.

Clients

Comhairle Chontae Liatroma Leitrim County Council

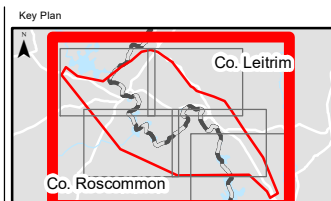
ROS MON

An Roinn Iompair Department of Transport

Tionscadal Éireann Project Ireland 2040

TII

Roscommon County Council



Consultant

ARUP

Corporate House
City East Business Park
Ballybrit, Galway, Ireland

Tel +353 (0)91 460675
www.carrickdromod.ie
www.arup.ie

Job Title

N4 Carrick-on-Shannon to Dromod Project

Scale 1 : 50000 @A3

Role Hydrogeology

Date December 2021

P04	22/07/2022	AG	LH	EMC
P03	07/07/2022	AG	LH	EMC
P02	01/03/2022	AG	LH	HK
P01	03/12/2021	AG	LH	HK
Issue	Date	By	Chkd	Appd

Drawing Title

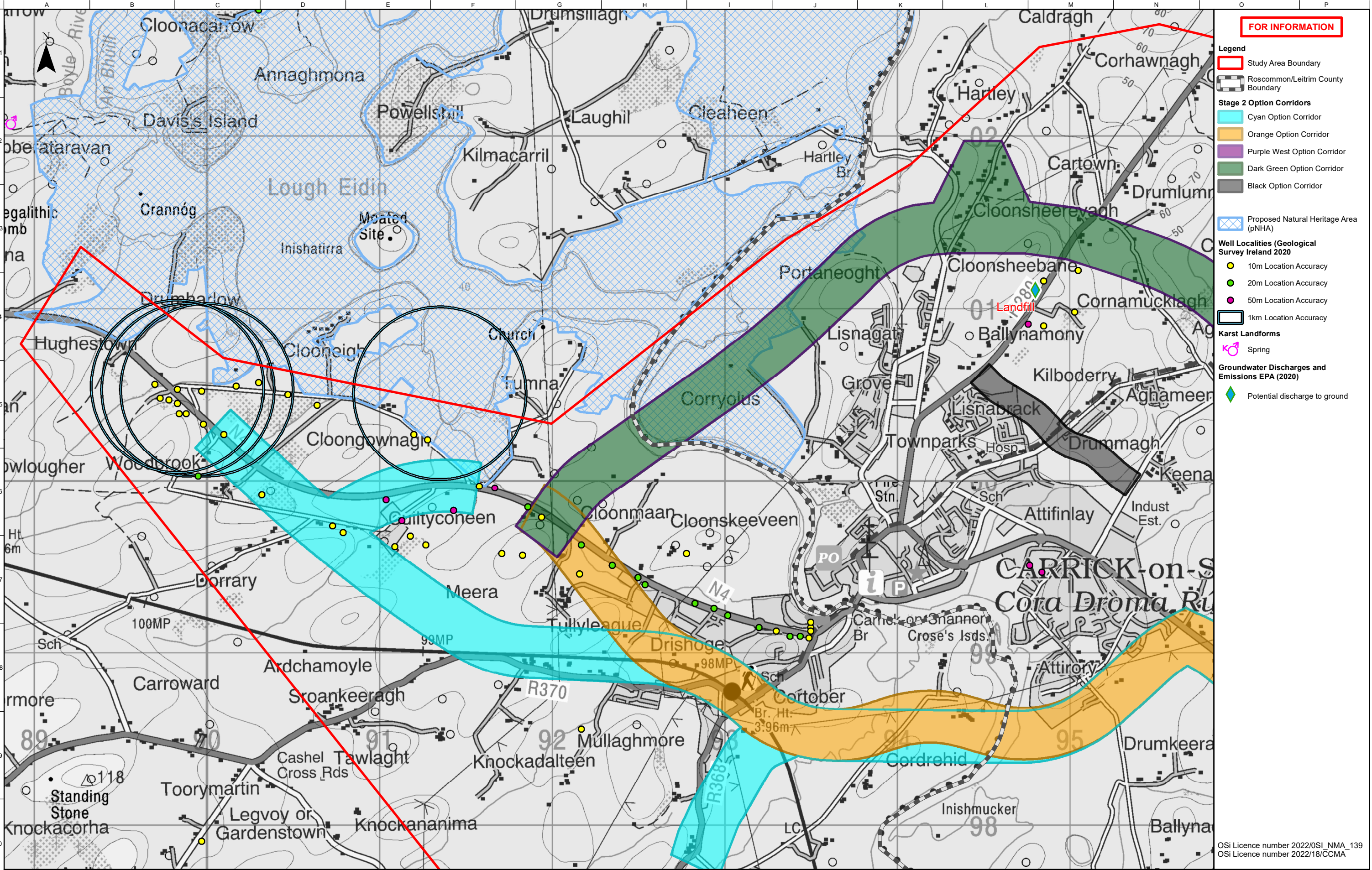
Stage 2 Option Corridors Hydrogeology Constraints Sheet 1 of 6

Suitability

Issued for Information (Status S3)

Job No 274219 Figure ID Figure 8.8.11.3.0 Rev. P04

Drawing No 274219-ARUP-02-OS-DR-YEHYG-002017



Notes

Disclaimer Note:
The Constraints and Options shown are draft only and subject to change. More detailed assessments, on-going studies and the information received from the public may result in changes to these Constraints and Options.

Note Séanta:
Tá na srianta agus na roghanna atá léirithe ina bhfoirm dréacht, d'fhéadfaí athraithe teacht orthu. Is mar thoradh ar mheasúnaithe níos mionchruinne, ar staidéar leanúnach agus ar eolas ón bpobal go ndéadfaí athruithe ar na srianta agus na roghanna seo.

Clients

Comhairle Chontae Liatroma
Leitrim County Council

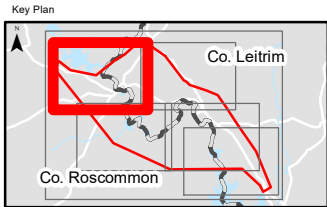
Roscommon County Council

An Roinn Iompair
Department of Transport

Tionscadal Éireann
Project Ireland 2040

TII

Roscommon County Council



Consultant

ARUP

Corporate House
City East Business Park
Ballybrit, Galway, Ireland

Tel +353 (0)91 460675
www.carrickdromod.ie
www.arup.ie

Job Title
N4 Carrick-on-Shannon to Dromod Project

Scale 1 : 20000 @A3

Role Hydrogeology

Date December 2021

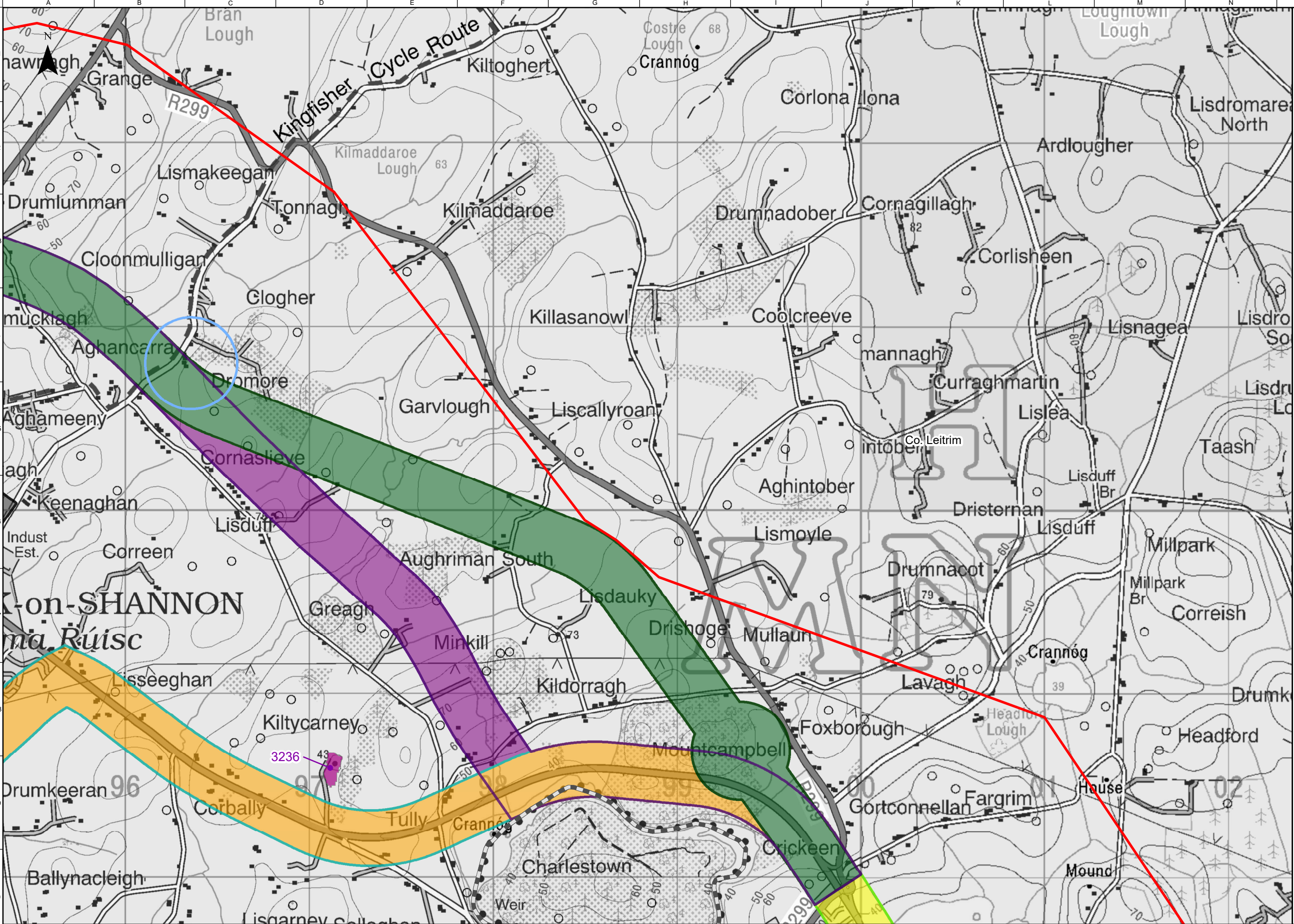
P04	22/07/2022	AG	LH	EMC
P03	07/07/2022	AG	LH	EMC
P02	01/03/2022	AG	LH	HK
P01	03/12/2021	AG	LH	HK
Issue	Date	By	Chkd	Appd

Drawing Title
Stage 2 Option Corridors
Hydrogeology Constraints
Sheet 2 of 6

Suitability
Issued for Information (Status S3)

Job No	Figure ID	Rev.
274219	Figure 8.8.11.3.1	P04

Drawing No
274219-ARUP-02-OS-DR-YEHYG-002018



FOR INFORMATION

Legend

Study Area Boundary

Roscommon/Leitrim County Boundary

Stage 2 Option Corridors

Cyan Option Corridor

Orange Option Corridor

Purple West Option Corridor

Dark Green Option Corridor

Black Option Corridor

Yellow Option Corridor

Green Option Corridor

Purple East Option Corridor

500m Location Accuracy

Historic Groundwater Flooding

Groundwater

Notes

Disclaimer Note:
The Constraints and Options shown are draft only and subject to change. More detailed assessments, on-going studies and the information received from the public may result in changes to these Constraints and Options.

Note Séanta:
Tá na srianta agus na roghanna atá léirithe ina bhfoirm dréacht, d'fhéadfaí athraithe teacht orthu. Is mar thoradh ar mheasúnaithe níos mionchruinne, ar staidéar leanúnach agus ar eolas ón bpobal go ndéadfaí athruithe ar na srianta agus na roghanna seo.

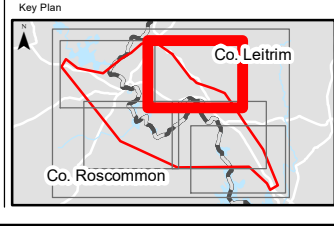
Comhairle Chontae Liatroma
Leitrim County Council

Comhairle Contae Ros Comáin
Roscommon County Council

An Roinn Iompair
Department of Transport

Tionscadal Éireann
Project Ireland 2040

TII
Transport Infrastructure Ireland



Consultant

ARUP

Corporate House
City East Business Park
Ballybrit, Galway, Ireland

Tel +353 (0)91 460675
www.carrickdromod.ie
www.arup.ie

Job Title
N4 Carrick-on-Shannon to Dromod Project

Carrick-on-Shannon to Dromod

Scale: 1 : 20000 @A3

Role: Hydrogeology

Date: December 2021

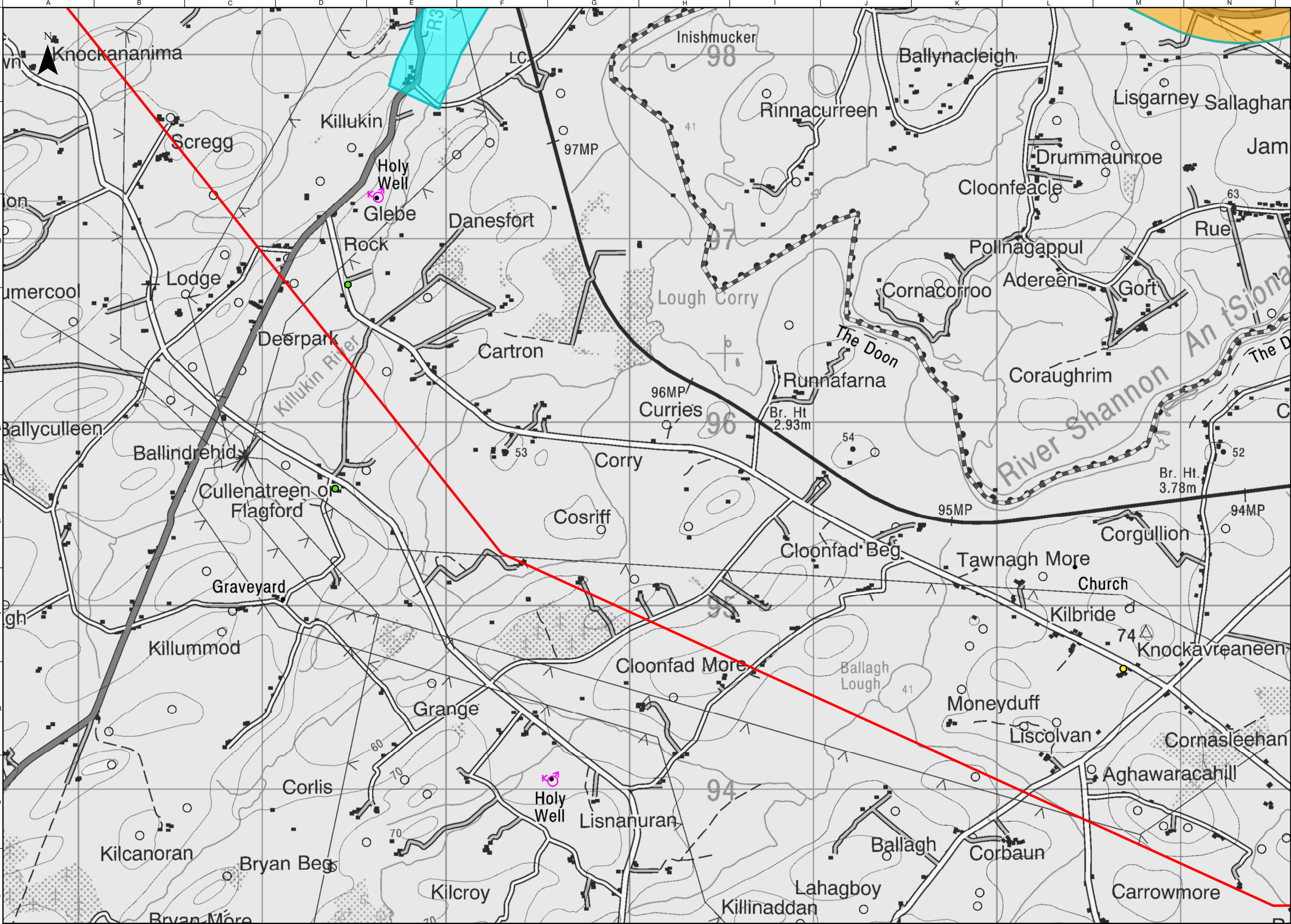
P04	22/07/2022	AG	LH	EMC
P03	07/07/2022	AG	LH	EMC
P02	01/03/2022	AG	LH	HK
P01	03/12/2021	AG	LH	HK
Issue	Date	By	Chkd	Appd

Drawing Title
Stage 2 Option Corridors
Hydrogeology Constraints
Sheet 3 of 6

Suitability
Issued for Information (Status S3)

Job No	Figure ID	Rev.
274219	Figure 8.8.11.3.2	P04

Drawing No
274219-ARUP-02-OS-DR-YEHYG-002019



FOR INFORMATION

Legend

Study Area Boundary

Roscommon/Leitrim County Boundary

Stage 2 Option Corridors

Cyan Option Corridor

Orange Option Corridor

Well Localities (Geological Survey Ireland 2020)

10m Location Accuracy

20m Location Accuracy

Karst Landforms

Spring

OSi Licence number 2022/OSI_NMA_139
OSi Licence number 2022/18/CCMA

Notes

Disclaimer Note:
The Constraints and Options shown are draft only and subject to change. More detailed assessments, on-going studies and the information received from the public may result in changes to these Constraints and Options.

Note Séanta:
Tá na srianta agus na roghanna atá léirithe ina bhfoirm dréacht, d'fhéadfaí athraithe teacht orthu. Is mar thoradh ar mheasúnaithe níos mionchruinne, ar staidéar leanúnach agus ar eolas ón bpobal go ndéadfaí athruithe ar na srianta agus na roghanna seo.

Comhairle Chontae Liatroma
Leitrim County Council

Comhairle Contae Ros Comáin
Roscommon County Council

An Roinn Iompair
Department of Transport

Tionscadal Éireann
Project Ireland
2040

Key Plan

Consultant

ARUP

Corporate House
City East Business Park
Ballybrit, Galway, Ireland

Tel +353 (0)91 460675
www.carrickdromod.ie
www.arup.ie

Job Title

N4 Carrick-on-Shannon to Dromod Project

Carrick-on-Shannon to Dromod

Scale

1 : 20000 @A3

Role

Hydrogeology

Date

December 2021

P04	22/07/2022	AG	LH	EMC
P03	07/07/2022	AG	LH	EMC
P02	01/03/2022	AG	LH	HK
P01	03/12/2021	AG	LH	HK
Issue	Date	By	Chkd	Appd

Drawing Title

Stage 2 Option Corridors
Hydrogeology Constraints
Sheet 4 of 6

Suitability

Issued for Information (Status S3)

Job No

274219

Figure ID

Figure 8.8.11.3.3

Rev.

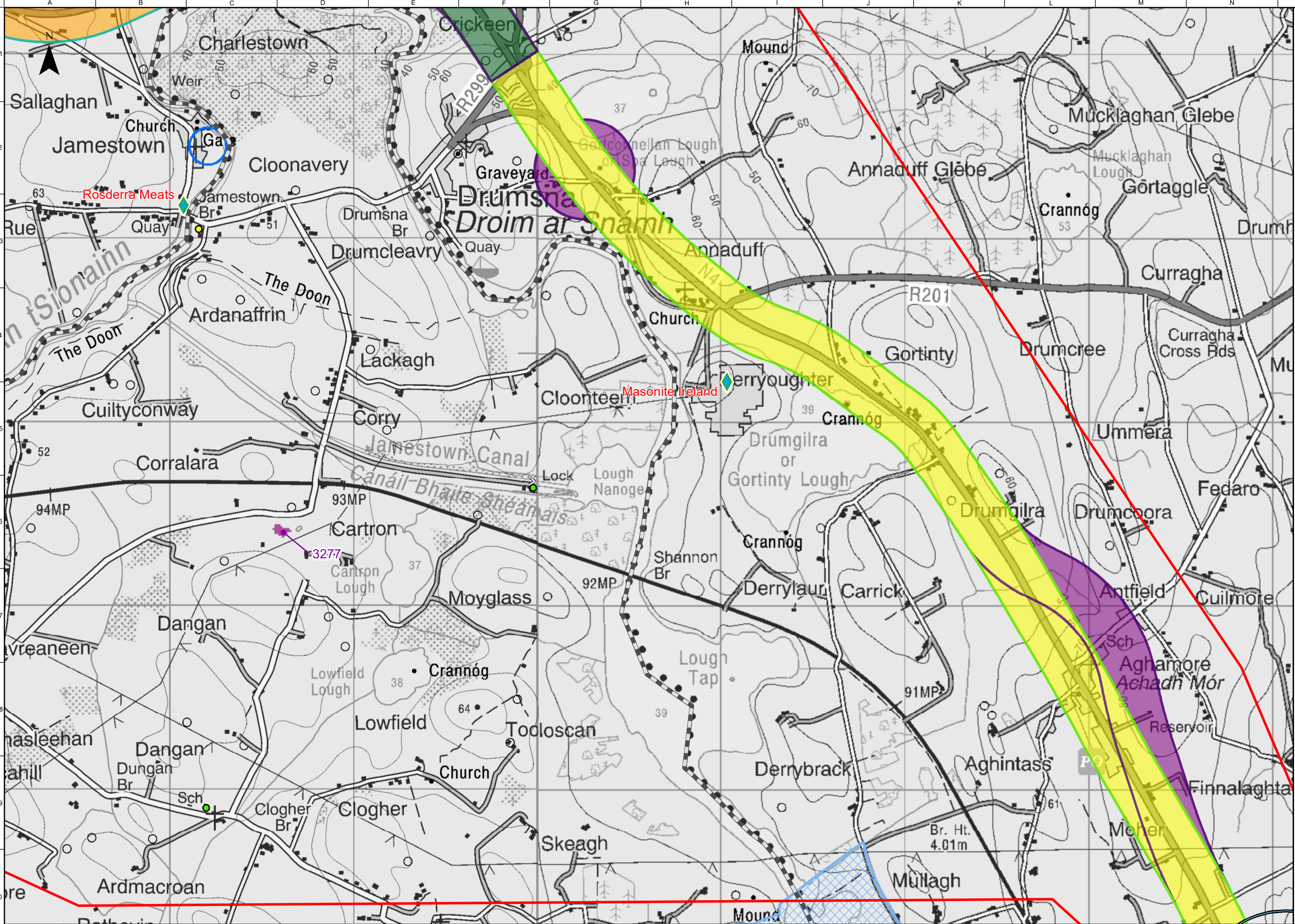
P04

Drawing No

274219-ARUP-02-OS-DR-YEHYG-002020

Do not scale

© Arup



FOR INFORMATION

Legend

Study Area Boundary

Roscommon/Leitrim County Boundary

Stage 2 Option Corridors

Cyan Option Corridor

Orange Option Corridor

Purple West Option Corridor

Dark Green Option Corridor

Yellow Option Corridor

Green Option Corridor

Purple East Option Corridor

Proposed Natural Heritage Area (pNHA)

Well Localities (Geological Survey Ireland 2020)

10m Location Accuracy

20m Location Accuracy

200m Location Accuracy

1km Location Accuracy

Groundwater Discharges and Emissions EPA (2020)

Potential discharge to ground

Historic Groundwater Flooding

Groundwater

OSi Licence number 2022/OSI_NMA_139

OSi Licence number 2022/18/CCMA

Notes

Disclaimer Note:
The Constraints and Options shown are draft only and subject to change. More detailed assessments, on-going studies and the information received from the public may result in changes to these Constraints and Options.

Note Séanta:
Tá na srianta agus na roghanna atá léirithe ina bhfoirm dréacht, d'fhéadfaí athraithe teacht orthu. Is mar thoradh ar mheasúnaithe níos mionchruinne, ar staidéar leanúnach agus ar eolas ón bpobal go ndéadfaí athruithe ar na srianta agus na roghanna seo.

Comhairle Chontae Liatroma

Leitrim County Council

ROS

MON

Comhairle Contae Ros Comáin

Roscommon County Council

An Roinn Iompair

Department of Transport

Tionscadal Éireann

Project Ireland

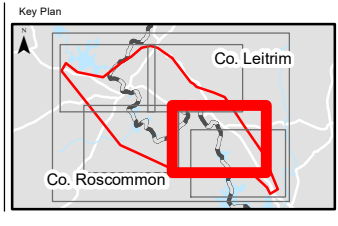
2040

TII

Bonnagar Iompair Éireann

Transport Infrastructure Ireland

ARUP



Consultant

ARUP

Corporate House

City East Business Park

Ballybrit, Galway, Ireland

Tel +353 (0)91 460675

www.carrickdromod.ie

www.arup.ie

Job Title

N4 Carrick-on-Shannon to Dromod Project

Carrick-on-Shannon to Dromod

Scale

1 : 20000 @A3

Role

Hydrogeology

Date

December 2021

P04	22/07/2022	AG	LH	EMC
P03	07/07/2022	AG	LH	EMC
P02	01/03/2022	AG	LH	HK
P01	03/12/2021	AG	LH	HK
Issue	Date	By	Chkd	Appd

Drawing Title

Stage 2 Option Corridors

Hydrogeology Constraints

Sheet 5 of 6

Suitability

Issued for Information (Status S3)

Job No

274219

Figure ID

Figure 8.8.11.3.4

Rev.

P04

Drawing No

274219-ARUP-02-OS-DR-YEHYG-002021

