

Garvey, Kasia

From: Aisling Mooney <Aisling.Mooney@arup.com>
Sent: 2019-04-18 09:37
To: Garvey, Kasia; Connolly, Sharon
Cc: Mary Hurley; Eileen McCarthy; 'Fintan O'Meara'; Sean Devaney
Subject: Gort na Bro Development Comments

Hi Kasia/Sharon,

Please find below comments for development at Gort na Bró.

Arup have reviewed the proposed planning application by Atkins in the context of the interaction with the proposed N6 Galway City Ring Road (GCRR) scheme which is currently before An Bord Pleanála. The Gateway Urban Village, Knocknacarra development and the N6 GCRR scheme overlap in the area of the proposed realigned entrance to the Galway Retail Park. Both schemes propose the realignment of the existing entrance to Galway Retail Park from its current location as a fifth arm of the Gort na Bró Roundabout on the Western Distributor Road to a new location to the north onto Gort na Bró Road. Galway County Council do not object to the proposed Gateway Urban Village, Knocknacarra development subject to it including for the provision of the plan layout and vertical layout of the proposed realigned entrance to Galway Retail Park as currently shown in the N6 GCRR planning application.

Regards,
Aisling

Aisling Mooney
Design Engineer

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Garvey, Kasia

From: Garvey, Kasia
Sent: 2019-04-17 21:36
To: N6 Galway City Transport Project
Cc: Connolly, Sharon; Mary Hurley
Subject: RE: Information re lands at Gort na Bró - cut and topo

Hi Aisling/Mary,

Further to our conversation today, as agreed please issue N6 feedback with regards to the proposed Gateway Knocknacarra Phase 3 Development at your earliest convenience.

We trust that your review of all documents submitted to date confirm that the proposed works under the proposed Gateway Knocknacarra Phase 3 project do not compromise the N6 GCRR CPO line and have no adverse impact on the N6 GCRR works.

I am on leave from tomorrow until first week of May, please contact Sharon Connolly in my absence should you require any further info.

As discussed yesterday we are keen on getting your feedback asap as the planning application package is well progressed now.

Please let me know if you are aware of any delays with getting back to us.

Regards,
Kasia
0876572972

From: Garvey, Kasia
Sent: 2019-04-15 18:08
To: N6 Galway City Transport Project <N6GCOB@arup.com>
Cc: Connolly, Sharon <Sharon.Connolly@atkinsglobal.com>; Mary Hurley <Mary.Hurley@arup.com>; Eileen McCarthy <Eileen.McCarthy@arup.com>; Sean Devaney <sdevaney@galwaycoco.ie>; 'Fintan O'Meara' <fomeara@GalwayCoCo.ie>
Subject: RE: Information re lands at Gort na Bró - cut and topo

Hi Aisling,

Please find attached the proposed junction plan with the intervisibility splay shown – drawing no. 5168265_ATK_HT_0102.

With regards to the red line boundary for the works, we are in the process of agreeing the boundary extents with GCC, we expect to receive feedback this week. Find attached the boundary drawing submitted to GCC for review, note this is only a draft awaiting GCC approval – drawing no. 5168265-ATK-HT-SK-1012.

Regards,
Kasia
0876572972

From: N6 Galway City Transport Project <N6GCOB@arup.com>
Sent: 2019-04-15 17:41
To: Garvey, Kasia <Kasia.Garvey@atkinsglobal.com>
Cc: Connolly, Sharon <Sharon.Connolly@atkinsglobal.com>; Mary Hurley <Mary.Hurley@arup.com>; Eileen McCarthy <Eileen.McCarthy@arup.com>; Sean Devaney <sdevaney@galwaycoco.ie>; 'Fintan O'Meara'

[<fomeara@GalwayCoCo.ie>](mailto:fomeara@GalwayCoCo.ie)

Subject: RE: Information re lands at Gort na Bró - cut and topo

Hi Kasia,

We have reviewed again with reference to the earthworks not being necessary as part of the proposed N6 GCRR. We would note that within your design the horizontal alignment of the proposed Gateway Retail Park Link Road (AR 06/04) which is part of the proposed N6 GCRR has been altered, with your proposed alignment south of alignment proposed as part of the N6 GCRR. Can you supply sightlines and junction intervisibility splays that show your new proposed alignment meet TII Standards?

Could you also supply the red line boundary for your proposed development which will be submitted as part of the planning application? We note that your proposed development could potentially be developed before a planning decision is made with respect to the proposed N6 GCRR. If this were to happen, the widening of the Gort na Bró Road to the north proposed as part of your development would encroach on private land which will not be in ownership of the council unless the Motorway Scheme is approved by An Bord Pleanála.

If you have any further queries, please let me know.

Regards,
Aisling

From: Garvey, Kasia <Kasia.Garvey@atkinglobal.com>
Sent: Monday 15 April 2019 15:22
To: N6 Galway City Transport Project <N6GCOB@arup.com>
Cc: Connolly, Sharon <Sharon.Connolly@atkinglobal.com>; Mary Hurley <mary.hurley@arup.com>
Subject: [External] Information re lands at Gort na Bró - cut and topo

Aisling,

Further to our phone call earlier, please see attached a submission made on behalf of this project to ABP by MKOS in December 2018. It includes a specific reference to the two areas of cut identified in the CPO mapping stating that the topography of the lands is such that there is no requirement for these earthworks.

Also, for your information see attached plan drawing showing the existing levels throughout the site and corresponding xref to assist with your assessment. Please review the requirement for the earthworks profile using this info. Should you need any further clarification please call me on 0876572972.

Regards,
Kasia
0876572972

From: N6 Galway City Transport Project <N6GCOB@arup.com>
Sent: 2019-04-10 09:49
To: Garvey, Kasia <Kasia.Garvey@atkinglobal.com>
Cc: Connolly, Sharon <Sharon.Connolly@atkinglobal.com>; Mary Hurley <Mary.Hurley@arup.com>
Subject: RE: Information re lands at Gort na Bró

Hi Kasia,

We have reviewed your proposed development with respect to the design for the N6 GCRR and have found a conflict on the northern plot. The proposed design for your development is within the red line boundary of the N6G CRR and encroaches on the proposed earthworks on that side which leaves no working room for

said earthworks. We would recommend that the northern plot be offset so it is not within the red line boundary. (See snip of conflict below)



With regards the Traffic Assessment you supplied, our external consultants Systra see no conflict and have no further comment.

If you have any further queries, please let me know.

Regards,
Aisling

From: Garvey, Kasia <Kasia.Garvey@atkinglobal.com>
Sent: Thursday 4 April 2019 17:54
To: N6 Galway City Transport Project <N6GCOB@arup.com>
Cc: Connolly, Sharon <Sharon.Connolly@atkinglobal.com>; Mary Hurley <mary.hurley@arup.com>
Subject: [External] RE: Information re lands at Gort na Bró

Hi Aisling,

Just following up on our call yesterday. I hope you have received the CD with the drawings, my colleague left it at the reception for you. I was 100% sure you had received the drawings on the 21st of march as we didn't get any notification otherwise.

Please let me know if you need any more info to assist with your assessment.

As discussed yesterday we are keen on getting your feedback asap as the planning application package is well progressed now.

Please let me know if you are aware of any delays with getting back to us.

Regards,
Kasia
0876572972

From: N6 Galway City Transport Project <N6GCOB@arup.com>
Sent: 2019-04-02 16:45
To: Garvey, Kasia <Kasia.Garvey@atkinglobal.com>
Cc: Connolly, Sharon <Sharon.Connolly@atkinglobal.com>; Mary Hurley <Mary.Hurley@arup.com>
Subject: RE: Information re lands at Gort na Bró

Hi Kasia,

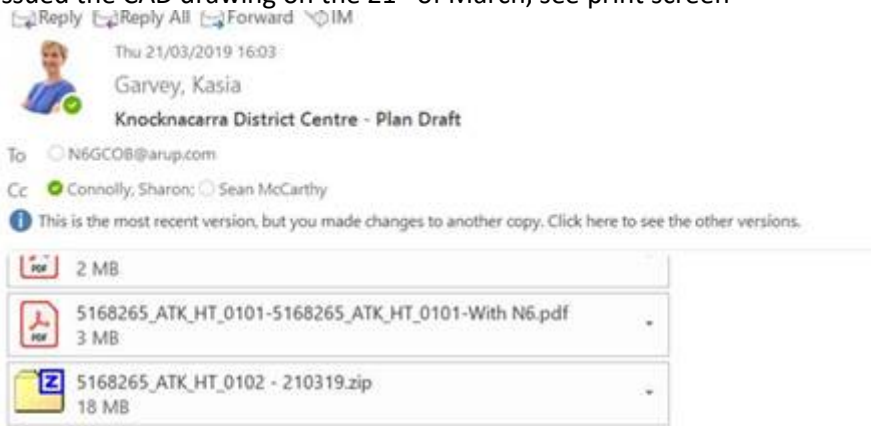
That email did not reach our inbox for some reason. There should not have been an issue with that size of attachment.

Could you try and forward again?

Regards,
Aisling

From: Garvey, Kasia <Kasia.Garvey@atkinglobal.com>
Sent: Monday 1 April 2019 14:59
To: N6 Galway City Transport Project <N6GCOB@arup.com>
Cc: Connolly, Sharon <Sharon.Connolly@atkinglobal.com>; Mary Hurley <mary.hurley@arup.com>
Subject: [External] RE: Information re lands at Gort na Bró

Hi Aisling,
I have issued the CAD drawing on the 21st of March, see print screen



Attention of Mary Hurley,

Mary,

1. As requested during our meeting today please find attached the AutoCAD of the prop of the Knocknacarra District Centre including the proposed roads and site layout. Note this is a draft issue for your information to assess the proposed layout against th works plan and the CPO boundarv. Also included are drawings as presented during the

below.

Perhaps the email size was too large? I didn't received any 'mailer demon' notification back then, but did get one now when I was trying to resend it. Could you confirm what size limitation is set to your email data transfers?

Regards,
Kasia
0876572972

From: N6 Galway City Transport Project <N6GCOB@arup.com>
Sent: 2019-04-01 14:12
To: Garvey, Kasia <Kasia.Garvey@atkinglobal.com>
Cc: Connolly, Sharon <Sharon.Connolly@atkinglobal.com>; Mary Hurley <Mary.Hurley@arup.com>
Subject: Information re lands at Gort na Bró

Hi Kasia,

Following on from our meeting on 21.03.19 regarding Gort na Bró development at the N6 project office, would it be possible for you to forward on the Cad of your current design so we can check for any conflicts as discussed?

Regards,
Aisling

Regards,
Aisling

[Aisling Mooney](#)
Design Engineer

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Consider the environment. Please don't print this e-mail unless you really need to.

Garvey, Kasia

From: Garvey, Kasia
Sent: 2019-03-21 16:03
To: N6GCOB@arup.com
Cc: Connolly, Sharon; Sean McCarthy
Subject: Knocknacarra District Centre - Plan Draft
Attachments: 5168265_ATK_HT_0101-5168265_ATK_HT_0101_For Information.pdf; 5168265_ATK_HT_0102_FOR INFORMATION.pdf; 5168265_ATK_HT_0101-5168265_ATK_HT_0101-With N6.pdf; 5168265_ATK_HT_0102 - 210319.zip

Attention of Mary Hurley,

Mary,

1. As requested during our meeting today please find attached the AutoCAD of the proposed draft plan of the Knocknacarra District Centre including the proposed roads and site layout.
Note this is a draft issue for your information to assess the proposed layout against the N6 GCRR road works plan and the CPO boundary. Also included are drawings as presented during the meeting in PDF.
2. As discussed during today's meeting, any works proposed along the L5000 are on the basis of widening the existing road towards the proposed development. The existing kerb line and footpath along the eastern edge of L5000, as well as the entrance to the Gort na Bro estate are proposed to remain unchanged, with exception of provision of road marking and traffic signals.
3. The pedestrian and cyclist provision along the L5000 includes 2.75m wide 2-way cycle lane and 2m wide footpath along the western edge connecting the Gort na Bro roundabout and the Gaelscoil Mhic Amhlaigh to the north. The two-way cycleway continues along the southern edge of the Link Road providing connection with the Gateway Shopping Centre.

Post meeting notes:

4. The proposed works extend outside the CPO line along the Link Road, as they include 3 lane on the approach to the traffic signalised junction and provision for a bus bay – both of which were not included in N6 GCRR plans. Also, the pedestrian and cyclists provision is above what was allowed for.
5. The N6 GCRR is considered to have a beneficial effect on the traffic in reducing the traffic figures by 30% in the vicinity of the proposed development. We have considered this an improvement to existing and not included in the traffic analysis. We have used base traffic with all committed developments as a the worst case scenario for the traffic analysis.

Hope you'll find everything in order.

Should you have any queries please don't hesitate to contact me or Sharon,


Regards,
Kasia

Kasia Garvey *Msc Eng, MIEI*
Senior Engineer Transport
Galway, Ireland

☎ 091461016 Mob:0876572972



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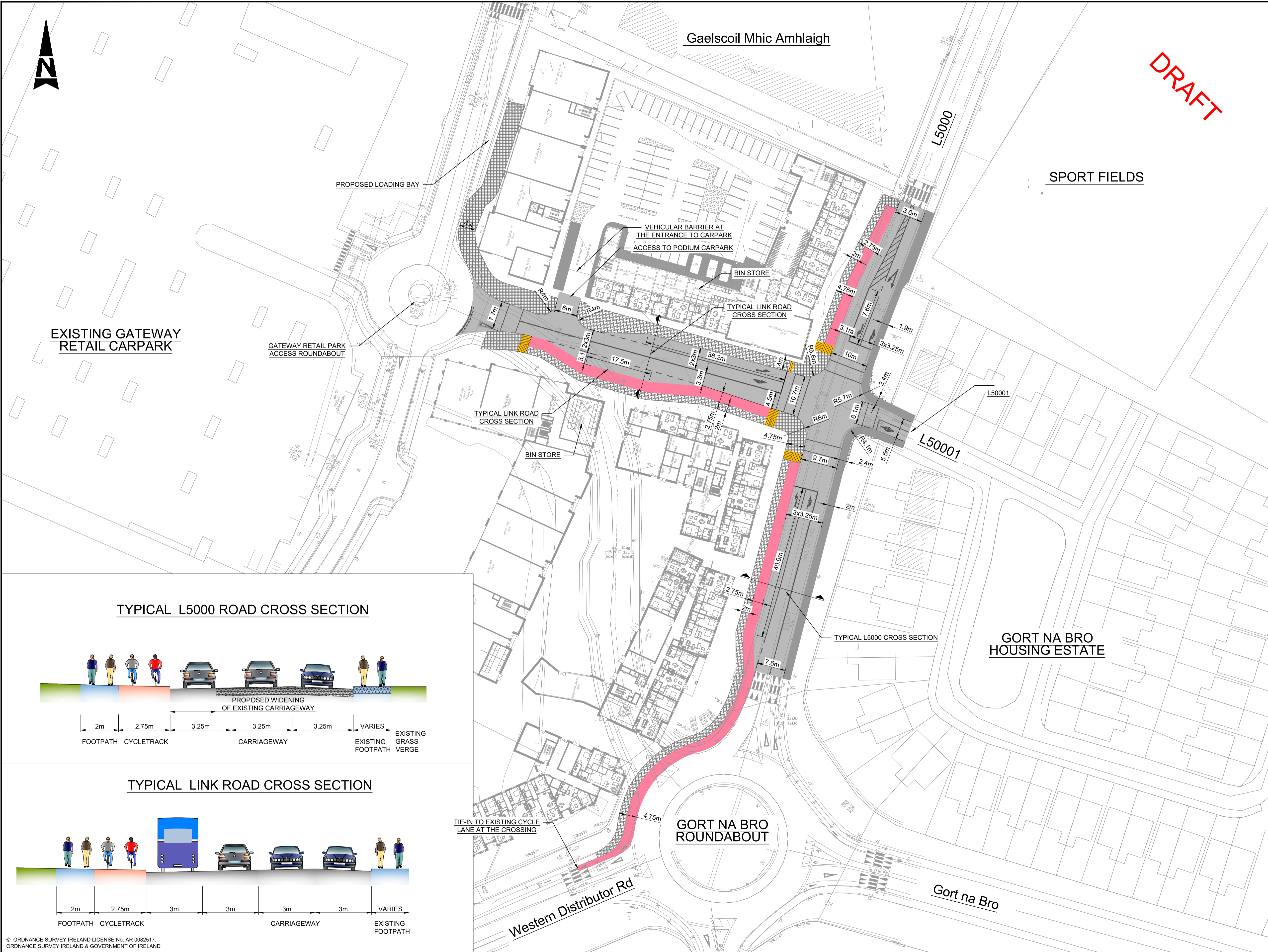
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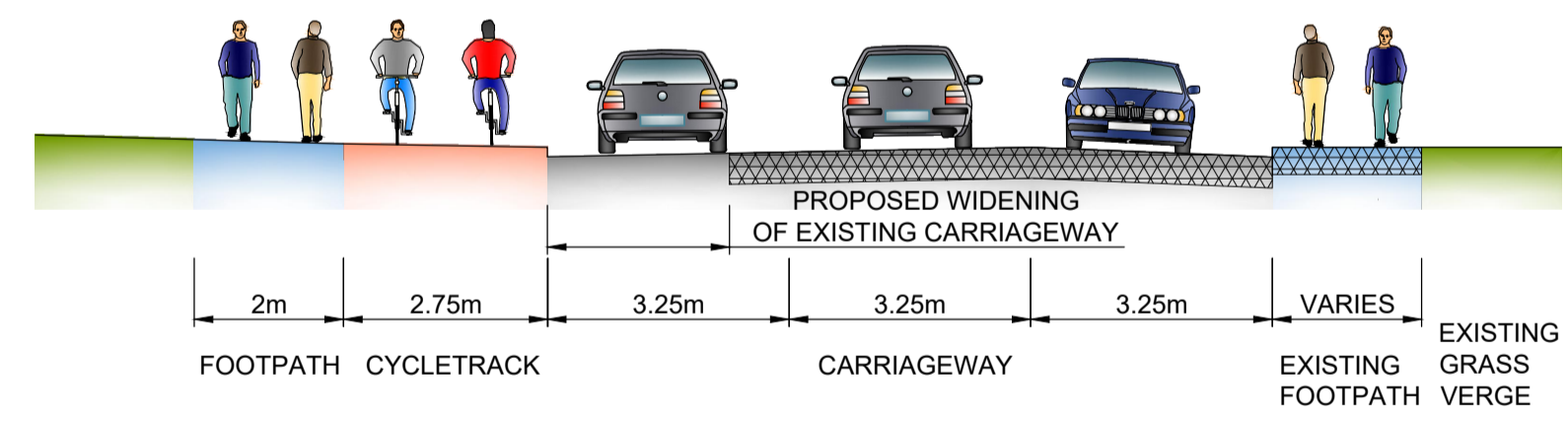
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Date: Mar 21, 2019 - 1:28pm
Plotted by: cmcandrew



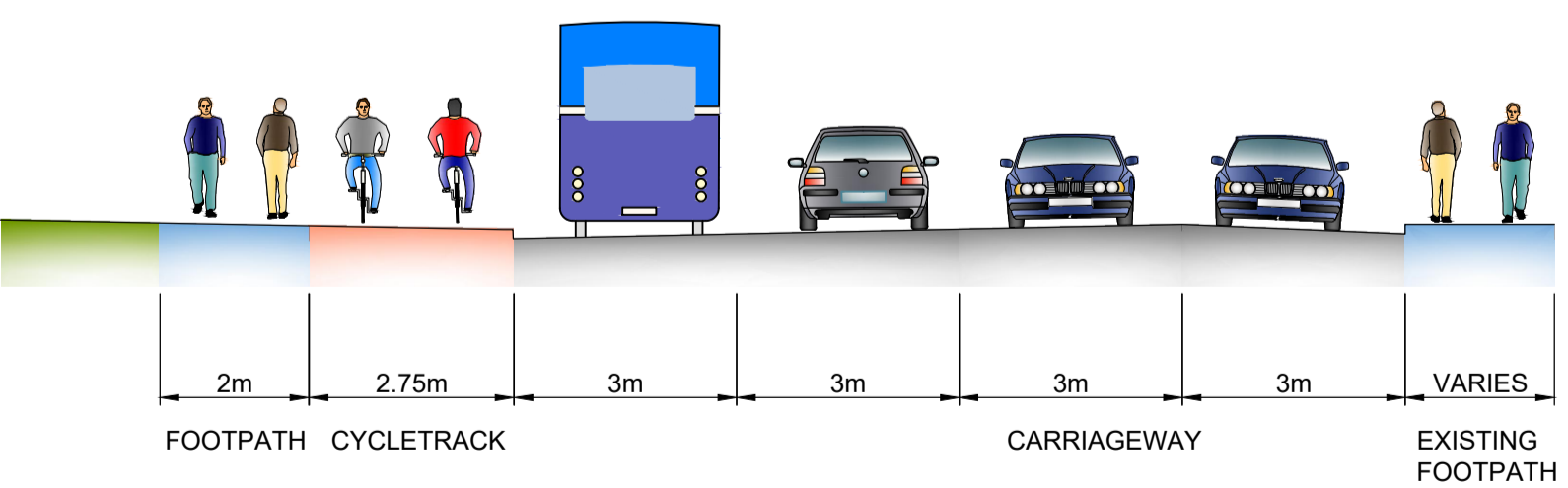
DRAFT

- GENERAL NOTES**
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
 2. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS
 3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM
 4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR
 5. DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION
 6. POSITIONS OF EXISTING UTILITIES ARE BASED ON RECORDS FROM UTILITY COMPANIES WHERE AVAILABLE. THESE ARE SHOWN FOR BACKGROUND INFORMATION ONLY.
 7. ALWAYS REFER TO UTILITY RECORDS PACK AND VERIFY POSITIONS OF ASSETS ON SITE PRIOR TO COMMENCING ANY EXCAVATIONS.

TYPICAL L5000 ROAD CROSS SECTION



TYPICAL LINK ROAD CROSS SECTION



LEGEND

- EXISTING FOOTPATH
- PROPOSED FOOTPATH
- PROPOSED CARRIAGEWAY
- PROPOSED CYCLEWAY
- PROPOSED SHARED AREA
- TACTILE PAVING (LADDER & TRAMLINE)

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-	FOR INFORMATION	YC	15.03.19	AN	KG

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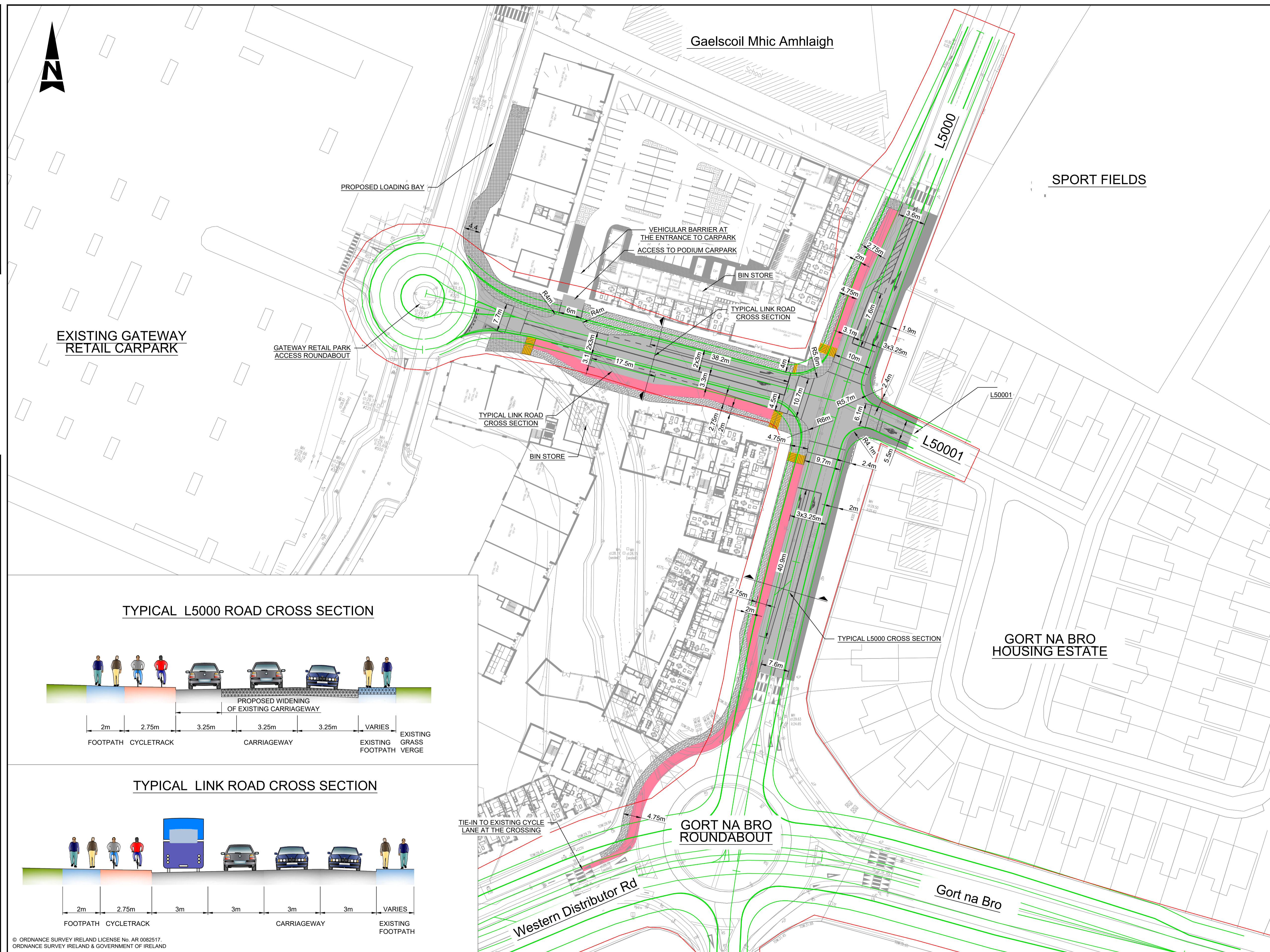
Client: **sigma** **Glenveagh Properties PLC**

Project: **KNOCKNACARRA DISTRICT CENTRE PHASE 3**

Purpose: INFORMATION

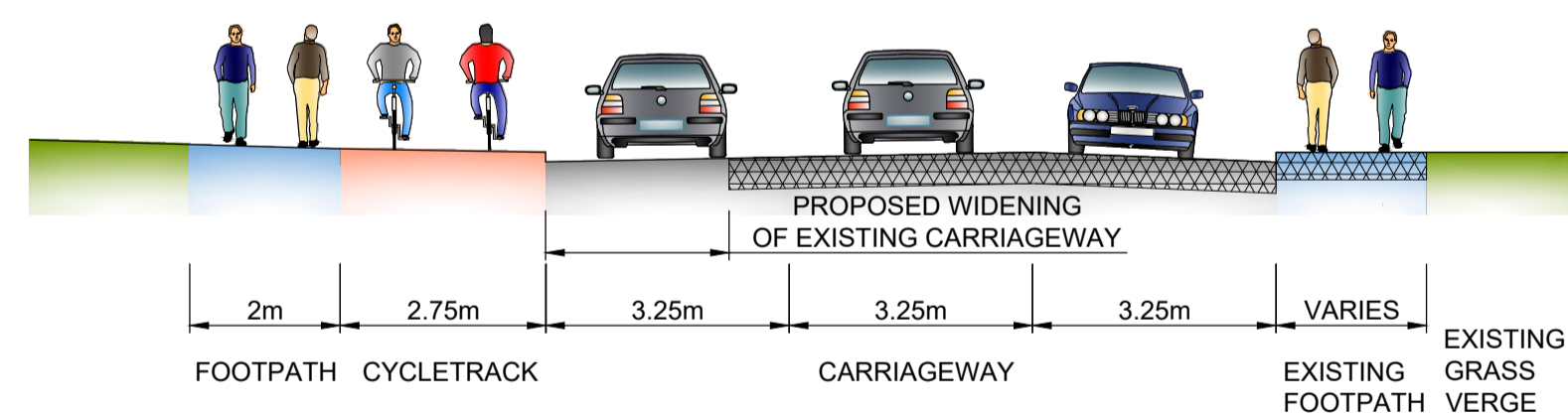
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Original Scale	Design/Drawn	Checked	Authorised
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Status	Drawing Number	Date	Date
I	5168265 / ATK / HT / 0101	15.03.19	15.03.19

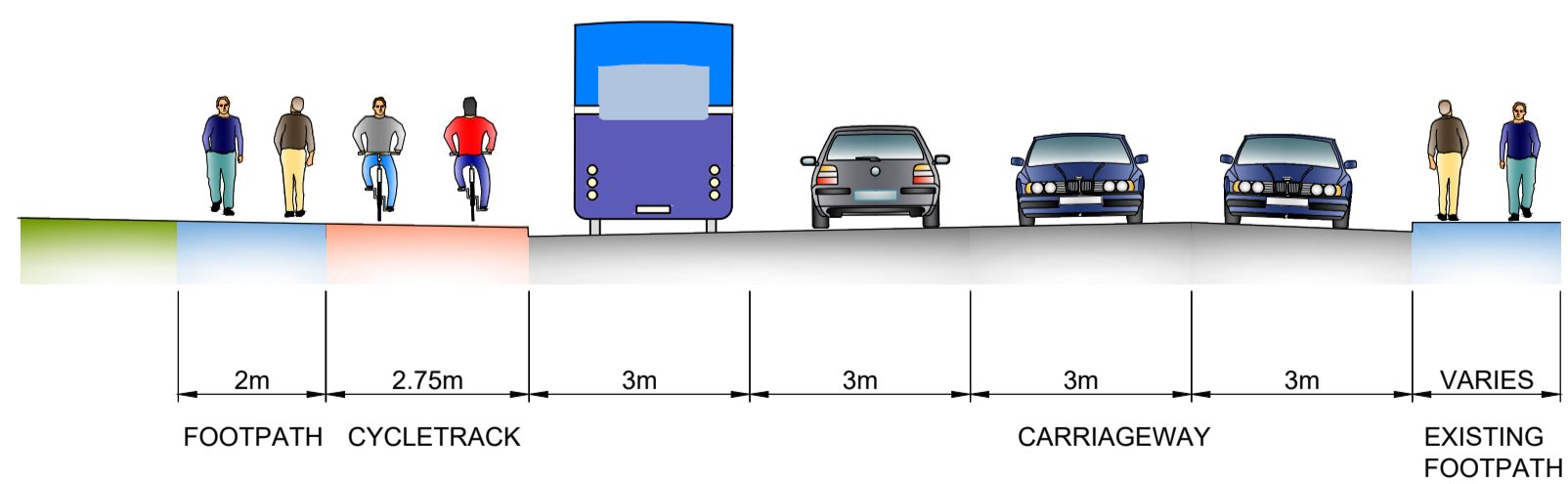


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TYPICAL L5000 ROAD CROSS SECTION



TYPICAL LINK ROAD CROSS SECTION



- LEGEND**
- EXISTING FOOTPATH
 - PROPOSED FOOTPATH
 - PROPOSED CARRIAGEWAY
 - PROPOSED CYCLEWAY
 - PROPOSED SHARED AREA
 - TACTILE PAVING (LADDER & TRAMLINE)

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Client: **sigma** **Glenveagh Properties PLC**

Project: **KNOCKNACARRA DISTRICT CENTRE PHASE 3**

Purpose: **INFORMATION**

Title: **GENERAL ARRANGEMENT**

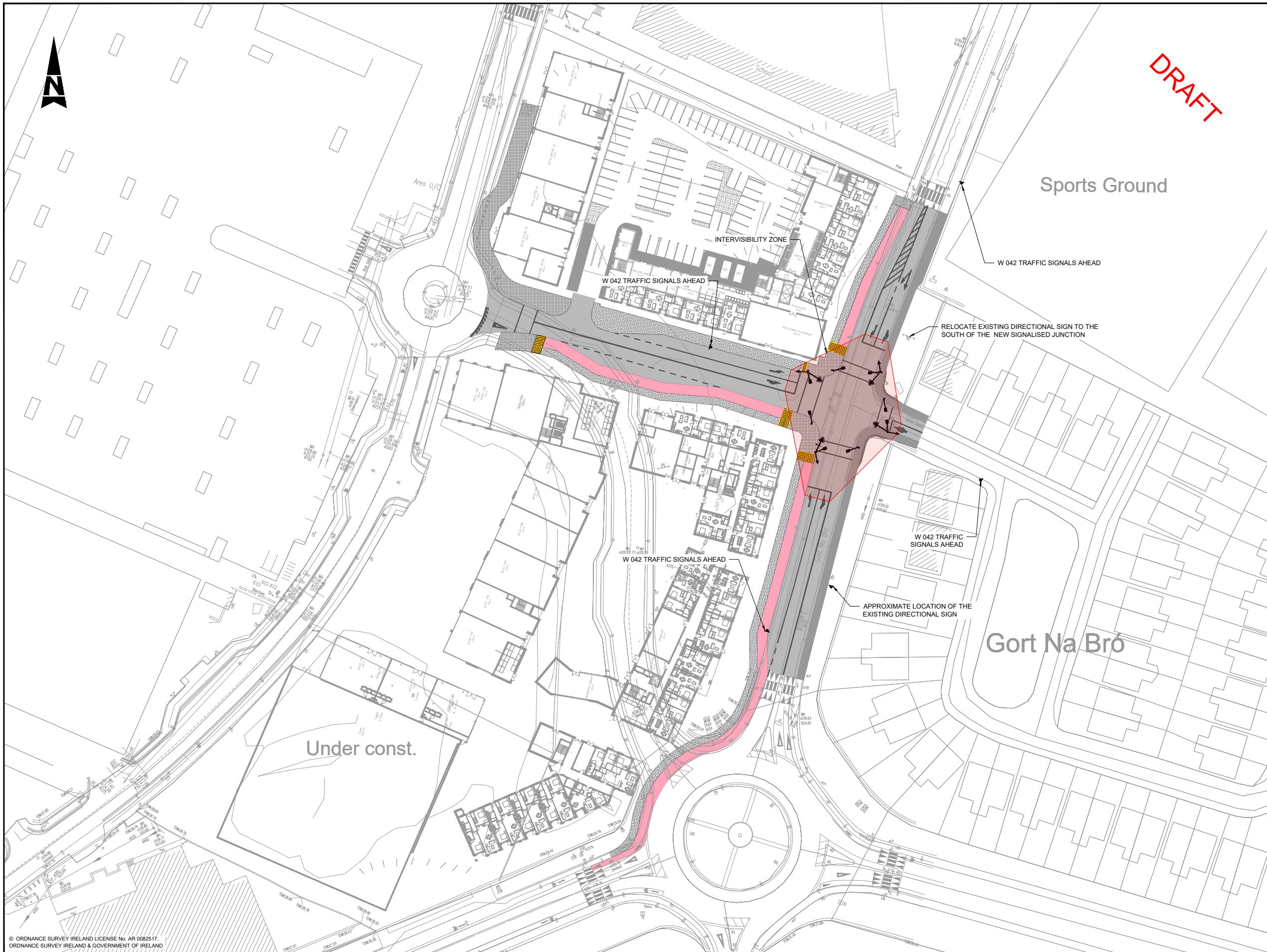
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Status	Date	Date	Date
I	15.03.19	15.03.19	15.03.19

Drawing Number: **5168265 / ATK / HT / 0101**

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 7. ALWAYS REFER TO UTILITY RECORDS PACK AND VERIFY POSITIONS OF ASSETS ON SITE PRIOR TO COMMENCING ANY EXCAVATIONS.

- NOTES**
1. ALL TRAFFIC SIGNALS AND THEIR LOCATION TO BE IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORT TRAFFIC SIGNS MANUAL 2010 (TSM).
 2. SIGNAL HEAD REFERENCE NUMBERS REFER TO THE DEPARTMENT OF TRAFFIC SIGNS MANUAL 2010 (TSM) UNLESS OTHERWISE SPECIFIED.
 3. PROVISION OF TRAFFIC SIGNALS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF APPENDIX 12/5 - TRAFFIC SIGNS TRAFFIC SIGNALS.
 4. FINAL POSITION OF LOOP DETECTORS TO BE CONFIRMED WITH THE EMPLOYER'S REPRESENTATIVE ON SITE.
 5. FOR TRAFFIC SIGN LOCATIONS REFER TO DRAWINGS XXXX
 6. FOR ROAD MARKING DETAILS REFER TO DRAWINGS XXXX

- LEGEND:**
- PROPOSED VEHICLE DETECTION LOOP
 - PROPOSED CCTV MAST
 - PRIMARY TRAFFIC HEAD TO RTS 001
 - SECONDARY TRAFFIC HEAD TO RTS 001
 - PEDESTRIAN TRAFFIC HEAD TO RPC 004
 - PROPOSED PEDESTRIAN PUSH BUTTON UNIT
 - PRIMARY TRAFFIC SIGNAL ADDITIONAL ASPECT
 - CYCLE TRAFFIC HEAD TO RTS 007

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Unit 2B, 2200 Cork Airport Business Park, Cork
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2nd Floor Technology House Parkmore Technology Park, Galway
Tel (+353) 091 786 050 Fax (+353) 091 779 830

Client: **sigma** **Glenveagh Properties PLC**

Project: **KNOCKNACARRA DISTRICT CENTRE PHASE 3**

Purpose		INFORMATION			
Title		PROPOSED TRAFFIC SIGNALS			
Original Scale	Design/Drawn	Checked	Authorised		
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1:1000 at A3	Date 19.03.19	Date 19.03.19	Date 19.03.19		
Status	Drawing Number		Rev		
I	5168265 / STK / HT / 0102		-		