

Galway County Council

N6 Galway City Ring Road

AA – In-combination Assessment
Addendum Update Report (Dealing with
proposed and permitted projects and plans
since publication of the Natura Impact
Statement)

Issue | 10 March 2020

Job number 223985-00

Ove Arup & Partners Ireland Ltd

Arup
Corporate House
City East Business Park
Ballybrit
Galway
H91 K5YD
Ireland
www.arup.com

ARUP

Contents

	Page	
1	Introduction	1
1.1	Background	1
1.2	Other plans and projects considered since publication of the NIS	1
2	Overall In-Combination Assessment	5

1 Introduction

1.1 Background

The cumulative impact assessment of the proposed road development (N6 Galway City Ring Road (N6 GCRR)) in-combination with other plans and projects is presented in Table 12.2 of Section 12 of the Natura Impact Statement (NIS) (pages 329 to 380 and at Section 4.14 of the Response to Further Information Request (RFI) Page 62.

At the request of the Board, the in-combination assessment in Section 14.4 considered all of the plans and projects together rather than pairwise (or individually) with the N6 GCRR and reached the conclusion that there would be no in-combination effects from any plans or projects considered in the NIS and the RFI acting in-combination with the N6 GCRR which would undermine the conservation objectives of the Lough Corrib cSAC, Galway Bay Complex cSAC, Lough Corrib SPA and Inner Galway Bay SPA and that there would be no adverse effects on the integrity of any of these European Sites. It is confirmed that there is no scientific doubt about that conclusion.

1.2 Other plans and projects considered since publication of the NIS

Article 6 (3) of the Habitats Directive provides that: *"Any plan or project not directly connected with or necessary to the management of the site but likely to have a significant effect thereon, either individually or in-combination with other plans or projects, shall be subject to appropriate assessment of its implications for the site in view of the site's conservation objectives. In the light of the conclusions of the assessment of the implications for the site and subject to the provisions of paragraph 4, the competent national authorities shall agree to the plan or project only after having ascertained that it will not adversely affect the integrity of the site concerned and, if appropriate, after having obtained the opinion of the general public."*

This update addendum report considers and assesses the direct, indirect and in-combination effects of any plans published, or projects approved or the subject of applications for development consent since the publication of the NIS, that might have the potential for in-combination effects.

A review was carried out of any plans published since the submission of the NIS that might have the potential for in-combination effects. Arising from this review, a number of plans have been identified which have the potential for in-combination effects on the above European Sites when considered with the N6 GCRR and all of the plans and projects considered and assessed in Section 12 of the NIS and Section 4.14 of the RFI. These are listed and assessed in **Table 1** below.

A review has also been carried out of proposed and permitted developments by considering live and approved planning applications. This has included a review of applications contained in the planning files for:

- i. Galway City Council
- ii. Galway County Council
- iii. County Councils in neighbouring counties
- iv. An Bord Pleanála
- v. Department of Housing, Planning and Local Government EIA Portal

Arising from this review, a number of live and/or approved projects (as listed in **Table 2** below) have been identified which have the potential for in-combination effects on the above European Sites when considered with the N6 GCRR and all of the plans and projects considered and assessed in Section 12 of the NIS and Section 4.14 of the RFI. Drawing No GCRR-SK-OH-051 shows the location of the live and approved projects listed in **Table 2**.

Only the plans listed in **Table 1** or the projects listed in **Table 2** are considered to have the potential to have in-combination effects on European sites (either in-combination with the N6 GCRR, on their own, or in-combination with the N6 GCRR and all those projects and plans considered in Section 12 of the NIS and Section 4.14 of the RFI) and the potential for in-combination effects has been ruled out in respect of other plans or projects.

The assessment in this update addendum report considers and assesses whether any of the published plans listed in **Table 1** and the live and/or approved projects listed in **Table 2** will, when taken together and with the N6 GCRR and all of the plans and projects considered and assessed in Section 12 of the NIS and Section 4.14 of the RFI, have in-combination effects on the conservation objectives of the Lough Corrib cSAC, Galway Bay Complex cSAC, Lough Corrib SPA and Inner Galway Bay SPA and whether there will be any adverse effects on the integrity of any of these European Sites.

Table 1: New Plans since publication of NIS

Regional Spatial And Economic Strategy for the Northern and Western Regional Assembly (adopted 24th January 2020)
Údarás na Gaeltachta's Strategic Plan 2018-2020
Tuam Local Area Plan 2018-2024
Ardaun Local Area Plan 2018-2024
The River Basin Management Plan for Ireland (2018-2021)
Climate Action Plan 2019
Galway County Council Draft Climate Adaptation Strategy 2019

The following land use plans, which are considered and assessed in the in-combination assessment presented in Section 12 of the NIS, have been extended pursuant to Section 19(1)(d) of the Planning and Development Act, 2000 (as amended) by the deferral of a service of a notice to make, amend or revoke a Local Area Plan:

- Athenry Local Area Plan 2012-2018, now the Athenry Local Area Plan 2012-2022
- Gort Local Area Plan 2013-2019, now the Gort Local Area Plan 2013-2023
- Loughrea Local Area Plan 2012-2018, now the Loughrea Local Area Plan 2012-2022
- Maigh Cuilinn Local Area Plan 2013-2019, now the Maigh Cuilinn Local Area Plan 2013-2023
- Oranmore Local Area Plan 2012-2018, now the Oranmore Local Area Plan 2012-2022
- Mayo County Development Plan 2014-2020 - The re-commencement of the review of the Mayo County Development Plan 2014-2020 is scheduled to commence within 13 weeks of the adoption of the Regional Spatial and Economic Strategy for the Northern and Western Regional Assembly (adopted 24th January 2020)

The process referred to above, relates to extending the date of expiration of each of these land use plans. However, in each case, the content of the plan remains as published before the deferral date and the assessment of the original versions of each land use plan in the NIS remains as per the NIS assessment published in October 2018.

Table 2 Live and approved projects since publication of NIS

ABP ref	GCC ref	Details	Live/Approved Decision Date
-	19/372	NUIG New Pitches Planning permission for the development of 1 no. 3G pitch and 1 no. grassed GAA/soccer pitch plus all ancillary infrastructure, ball stop fencing, floodlighting, drainage, an enhanced biodiversity area and all associated site development works.	LIVE. FI REQUEST
305982-19	SHD 18/7	332 no. apartments, creche and all associated site works. Gort na Bró, Ragoon, Co. Galway. www.knocknacarradistrictcentre.ie	LIVE 30/03/2020
306222-19	SHD 19/1	Ballybane More Road 102 no. residential units (24 no. houses, 78 no. apartments), childcare facility and associated site works. Ballybane More Road, Ballybrit, Doughiska, Co. Galway. www.ballybanemoreroadshd.ie	LIVE 20/04/2020

ABP ref	GCC ref	Details	Live/Approved Decision Date
306403-19 306403-20	SHD 18/9	255 no. student bedspaces. Coolough Road, Terryland, Co. Galway. www.cooloughstudentresidences.ie	LIVE 05/05/2020
306413-19	SHD 19/2	342 no. residential units (185 no. houses, 157 no. apartments). Lands at Rosshill Road, in the townlands of Roscam, Merlin Park and Murrough, Rosshill Road, Galway, Co. Galway www.rosshillmanorshd.ie	LIVE 07/05/2020
-	20/47	Augustine Hill (Rear of Ceannt Station) The proposed development is for a mixed-use urban regeneration project consisting of the following uses: residential, retail, cafes/restaurants, hotel, office, cinema, childcare facility, community, cultural, parking, and associated site development works. EIAR and NIS accompany the planning application	LIVE 21/4/2020
304345-19	SHD 18/5	Letteragh Road, Letteragh, Ragoon. 101 residential units (46 houses, 55 apts.), childcare facility & site works on lands to east of Ballymoneen.	GRANT 02/08/19
304762-19	SHD 18/4	East Ballymoneen Road in the townland of Ballyburke. Demolition of an existing house and associated outbuildings, and the construction of 238 no. residential units (113 no. houses, 125 no. apartments), and a childcare facility with associated site works on lands to, Galway.	GRANT 14/10/19
304928-19	SHD 18/6	Crown Square, Monivea Road & Joyce's Road, Mervue. 288 no res units.	GRANT 30/10/19
301693-18	SHD 18/1	Dangan, Upper Newcastle. Student Accommodation. 394 beds (53 apts.)	GRANT 04/01/19
303846-19	SHD 18/3	NUIG, Northern Campus, Dangan, 471 student beds	GRANT 11/06/19
	19/107	Galway West Water Supply Scheme – Terryland WTP Intake Works and Clifton Hill Rising Main (Irish Water). Permission for development which comprises of a new raw water intake works located on the east bank of the River Corrib, 100m downstream of Quincentenary Bridge; associated pipework to transfer raw water from the new intake works to the existing intakes works, which in turn supplies Terryland Water Treatment Plant (WTP); and a new treated water rising main extending between Terryland WTP and existing rising main on the east bank of the River Corrib. NIS included.	GRANT 24/01/20

2 Overall In-Combination Assessment

Table 3 of this addendum report presents the results of this update in-combination assessment in-combination with the N6 GCRR and in-combination with all of those projects and plans considered in Section 12 of the NIS and in-combination with the project and plans listed in **Table 1** with the N6GCRR.

As assessed in Section 12 of the NIS and in Section 4.14 of the RFI, there is no potential for adverse effects on the integrity of any European sites to arise as a consequence of the proposed road development acting in-combination with any, or indeed all taken together, of the plans or projects originally considered as part of the in-combination assessment in the NIS and equally, there is no potential for adverse effects on the integrity of any European sites to arise as a consequence of the proposed road development acting in-combination with any, or all, of the additional plans and projects assessed in this document, including when considered in-combination with those plans and projects originally assessed in the NIS.

Therefore, the N6 GCRR will not adversely affect the integrity of any European sites, either alone or in-combination with any other plans or projects and there is no scientific doubt in relation to that conclusion.

No additional mitigation measures are necessary or required following this update assessment.

Table 3: In-Combination Assessment

Plan/Project Ref. No.	
Regional Spatial and Economic Strategy (RSES) for the Northern and Western Regional Assembly	<p>The RSES supports the implementation of the National Planning Framework (NPF), and the economic policies and objectives of the Government by providing a long-term strategic planning and economic framework for the development of the three regions: Northern and Western; Southern; and Eastern and Midland.</p> <p>An Appropriate Assessment was carried out in relation to the RSES for the Northern and Western Regional Assembly based upon a Natura Impact Report (NIR) prepared for the Draft RSES for the Northern and Western Regional Assembly, and an AA Assessment of the material amendments to the Draft RSES for the Northern and Western Regional Assembly, including the proposed mitigation measures and overarching environmental objectives which form an integral part of the strategy to ensure the RSES does not adversely affect the integrity of any European sites.</p> <p>As concluded in the NIS for the N6 GCRR and having regard to the mitigation measures detailed therein (see Section 10 of the NIS), the proposed road development will not adversely affect the integrity of any European sites, either alone or in-combination with any other plans or projects.</p> <p>Considering the mitigation measures included within the RSES for the Northern and Western Regional Assembly, and the mitigation strategy proposed in the NIS for the N6 GCRR, there is no potential for any in-combination effects to arise that would affect the receiving environment in Lough Corrib cSAC, Lough Corrib SPA, Galway Bay Complex cSAC or Inner Galway Bay SPA, or that would adversely affect the integrity of any European sites.</p>
The River Basin Management Plan for Ireland (2018-2021)	<p>The purpose of the River Basin Management Plan is to reduce pollution levels, restore good water quality status and prevent deterioration in water quality in the river basin. Therefore, they will contribute towards maintaining or restoring the conservation condition of the European sites within their ZoI and there are no potential impact pathways by which they could adversely affect the integrity of any European sites.</p> <p>As this plan will have a positive impact on water quality in the River Corrib catchment and in Galway Bay. Therefore, there is no potential for any in-combination effects to arise that would affect the receiving environment in Lough Corrib cSAC, Lough Corrib SPA, Galway Bay Complex cSAC or Inner Galway Bay SPA, or that would adversely affect the integrity of any European sites.</p>
Údarás na Gaeltachta's Strategic Plan 2018-2020	<p>The Údarás na Gaeltachta's Strategic Plan 2018-2020 seeks to provide support to the Irish speaking community, develop skills and employment, promote the arts, to achieve sustainable economic, social and cultural development.</p>

Plan/Project Ref. No.	
	<p>he Údarás na Gaeltachta’s Strategic Plan 2018-2020 does not propose or support any specific development proposals, or strategic projects, in identified locations where potential impact pathways can be defined that could affect the receiving environment in Lough Corrib cSAC, Lough Corrib SPA, Galway Bay Complex cSAC or Inner Galway Bay SPA.</p> <p>However, any future developments implemented in the Galway area under this plan have the potential to lie within Lough Corrib cSAC, Lough Corrib SPA, Galway Bay Complex cSAC or Inner Galway Bay SPA, or be situated in a location where these European sites may be within the zone of influence of potential effects.</p> <p>Any projects required to achieve the objectives of the Údarás na Gaeltachta’s Strategic Plan 2018-2020 must comply with the statutory planning requirements, and those of the relevant land use plans (Development Plans, Local Area Plans etc.). In the context of Lough Corrib cSAC, Lough Corrib SPA, Galway Bay Complex cSAC and Inner Galway Bay SPA the overarching land use plans are the Galway County Development Plan 2015-2021, the Galway City Council Development Plan 2017-2023, the Clare County Development Plan 2017-2022 and the Mayo County Development Plan 2014-2020.</p> <p>All of these land use plans contain objectives and policies to ensure the protection of European sites from any projects proposed within the plan area. These are presented in Appendix O of the NIS.</p> <p>Considering the environmental protection policies included within those land use plans, and that alone the proposed road development will not adversely affect the integrity of any European sites, there is no potential for the Údarás na Gaeltachta Strategic Plan 2018-2020 to result in adverse effects to the integrity of any European sites in-combination with the proposed road development.</p>
<p>Tuam Local Area Plan 2018-2024</p>	<p>Lough Corrib cSAC is located within the boundary of the Tuam Local Area Plan 2018-2024, and Lough Corrib SPA lies downstream of the plan area. Therefore, the Tuam Local Area Plan 2018-2024 has the potential to impact on both European sites.</p> <p>An Appropriate Assessment was carried out by Galway County Council in relation to the Tuam Local Area Plan 2018-2024, based upon the Natura Impact Report and the mitigation measures contained within, which concluded that the plan would not adversely affect the integrity of any European sites, including Lough Corrib cSAC or Lough Corrib SPA.</p> <p>As concluded in the NIS for the N6 GCRR and having regard to the mitigation measures detailed therein (see Section 10 of the NIS), the proposed road development will not adversely affect the integrity of any European sites, either alone or in-combination with any other plans or projects.</p> <p>Considering the mitigation measures included within the Tuam Local Area Plan 2018-2024, and the mitigation strategy proposed in the NIS for the N6 GCRR, there is no potential for any in-combination effects to arise that would affect the receiving environment in Lough Corrib cSAC, Lough Corrib SPA, Galway Bay Complex cSAC or Inner Galway Bay SPA, or that would adversely affect the integrity of any European sites.</p>

Plan/Project Ref. No.	
<p>Ardaun Local Area Plan 2018-2024</p>	<p>The area covered by the Ardaun Local Area Plan is remote from any European sites with no potential for direct impacts. However, there is the potential for developments associated with the Ardaun Local Area Plan to affect groundwater quality, to increase loading at the Mutton Island WwTP, and to displace wintering birds that may form part of the SCI populations of nearby SPAs from habitat areas here.</p> <p>As assessed in Section 12 of the NIS, Screening for Appropriate Assessment was carried out by Galway City Council of the Draft Ardaun LAP 2018-2024 which concluded that “the proposed Draft Ardaun Local Area Plan, does not have the potential to give rise to significant effects upon European sites, alone and or in-combination with other plans and projects”.</p> <p>Material alterations to the Draft Ardaun Local Area Plan (LAP) 2018-2024 were subsequently proposed by the Elected Members and these were also subject to Screening for Appropriate Assessment (<i>Screening for Appropriate Assessment Report for proposed Material Alterations to the Draft Ardaun Local Area Plan 2018-2024</i>, January 2018) which concluded that the amended plan did “not have the potential to give rise to significant effects upon European sites, alone and or in-combination with other plans and projects”.</p> <p>Considering the above, and that alone the proposed road development will not adversely affect the integrity of any European sites in its own right, the Ardaun LAP 2018-2024 will not act in-combination with the proposed road development to have an adverse effect on the integrity of any European sites.</p>
<p>Climate Action Plan 2019</p>	<p>The Climate Action Plan 2019 is high-level strategy to address climate change at a national level through reducing carbon emissions across a range of sectors to meet international emissions targets. It does, however, commit to the implementation of infrastructure projects to achieve those targets but there are no specific spatial references to locations that would affect any of the four European sites within the potential zone of influence of the proposed road development: Lough Corrib cSAC, Lough Corrib SPA, Galway Bay Complex cSAC or Inner Galway Bay SPA.</p> <p>Any projects arising from, or supported by, the Climate Action Plan 2019 must comply with the relevant statutory planning requirements, and must be in accordance with the objectives and policies of the relevant land use plans (Development Plans, Local Area Plans etc.). In the context of Lough Corrib cSAC, Lough Corrib SPA, Galway Bay Complex cSAC and Inner Galway Bay SPA, these land use plans are the Galway County Development Plan 2015-2021, the Galway City Council Development Plan 2017-2023, the Clare County Development Plan 2017-2022 and the Mayo County Development Plan 2014-2020. All of these plans contain objectives and policies to ensure the protection of European sites from any projects proposed within the plan area. These protective objectives and policies are presented in Appendix O of the NIS.</p>

Plan/Project Ref. No.	
	Considering the environmental protection policies included within those land use plans, and that alone the proposed road development will not adversely affect the integrity of any European sites, the Climate Action Plan 2019 poses no identifiable risk of resulting in adverse effects on the integrity of any European sites in-combination with the proposed road development.
Galway County Council Draft Climate Adaptation Strategy 2019	Galway County Council’s Climate Change Adaptation Strategy 2019-2024 (the Adaptation Strategy) sets out the strategic priorities, measures and responses for adaptation in County Galway over the next five years; as required by the Climate Action and Low Carbon Development Act 2015. <i>The Report for the Purposes of AA Screening</i> (Arup, 2019) concluded that the possibility of significant effects on European sites can be excluded for the Draft Adaptation Strategy. Considering the above, and that alone the proposed road development will not adversely affect the integrity of any European sites in its own right, the Adaptation Strategy will not act in-combination with the proposed road development to have an adverse effect on the integrity of any European sites.
NUIG New Pitches (19/372)	Development 19/372 involves the construction of 2 no. sports pitches within the grounds of the NUIG Northern Campus, Dangan. The pitches will include a grass pitch with a total area of 1.6 hectares and a 3G all-weather pitch with a total area of 1.5 hectares. The development will also include the construction of temporary changing rooms to the east of the proposed pitches and the construction of a new access track from the existing sports campus access road adjacent to the Sports Pavilion Building to the proposed development site. It also includes for a biodiversity enhancement area which includes woodland planting, amongst other potential measures (e.g. drain blocking and pond creation). The development lies immediately adjacent to Lough Corrib cSAC and has the potential to act in-combination with the proposed road development to affect surface water quality in the River Corrib and downstream in Galway Bay as a result of the potential for a surface water pollution event to occur during construction or operation, and potential disturbance to otter during construction. The Natura Impact Statement (NIS) submitted by the applicant for development 19/372, identified that Lough Corrib cSAC, Galway Bay Complex cSAC and Inner Galway Bay SPA were within the potential zone of influence of water quality effects during construction and operation and disturbance effects to otter during construction. Mitigation measures are proposed in the NIS submitted with the application to ensure all potential impacts are addressed – i.e. that water quality is maintained in the River Corrib and Galway Bay during construction and operation, and that construction related disturbance is minimised. Therefore, with the application of those mitigation measures, development 19/372 will not give rise to any adverse effects on the integrity of any European sites. As concluded in the NIS for the N6 GCRR, and having regard to the mitigation measures detailed therein (see Section 10 of the NIS), the proposed road development will not adversely affect the integrity of any European sites, including Lough Corrib cSAC, Galway Bay Complex cSAC and Inner Galway Bay SPA, either alone or in-combination with any other plans or projects.

Plan/Project Ref. No.	
	<p>Considering the mitigation measures for development 19/372 and the mitigation strategy proposed in the NIS for the N6 GCRR, there is no potential for any in-combination effects to arise that would affect the receiving environment in Lough Corrib cSAC, Galway Bay Complex cSAC or Inner Galway Bay SPA, or that would adversely affect the integrity of any European sites.</p>
<p>Augustine Hill, (GCC ref. 2047)</p>	<p>Development 20/47 comprises a residential led mixed-use urban regeneration project including residential, retail, recreational and community facilities, car parking, public areas and all associated site development works, excavation, demolition of non-protected structures, services, waste storage facilities and landscaping works.</p> <p>The development lies immediately adjacent to Galway Bay Complex cSAC and Inner Galway Bay SPA and has the potential to act in-combination with the proposed road development to affect water quality in Galway Bay during construction.</p> <p>The Natura Impact Statement (NIS) submitted by the applicant for development 20/47, identified that Galway Bay Complex cSAC and Inner Galway Bay SPA were within the potential zone of influence of water quality effects during. Mitigation measures are proposed in the NIS submitted with the application to ensure all potential impacts are addressed – i.e. that water quality is maintained in the Galway Bay during construction. Therefore, with the application of those mitigation measures, development 20/47 will not give rise to any adverse effects on the integrity of any European sites.</p> <p>As concluded in the NIS for the N6 GCRR, and having regard to the mitigation measures detailed therein (see Section 10 of the NIS), the proposed road development will not adversely affect the integrity of any European sites, including Galway Bay Complex cSAC and Inner Galway Bay SPA, either alone or in-combination with any other plans or projects.</p> <p>Considering the mitigation measures for development 20/47 and the mitigation strategy proposed in the NIS for the N6 GCRR, there is no potential for any in-combination effects to arise that would affect the receiving environment in Galway Bay Complex cSAC or Inner Galway Bay SPA, or that would adversely affect the integrity of any European sites.</p>
<p>Galway West Water Supply Scheme – Terryland WTP Intake Works and Clifton Hill Rising Main 19/107</p>	<p>Development 19/107 will involve the construction of a new raw water intake works located on the east bank of the River Corrib, 100m downstream of Quincentenary Bridge; associated pipework to transfer raw water from the new intake works to the existing intakes works, which in turn supplies Terryland Water Treatment Plant (WTP); and a new treated water rising main extending between Terryland WTP and existing rising main on the east bank of the River Corrib. As the development includes works along the bank of the River Corrib in Lough Corrib cSAC, it has the potential to act in-combination with the proposed road development to affect water quality in the River Corrib and Galway Bay and to affect aquatic fauna species in the River Corrib.</p> <p>The Natura Impact Statement (NIS) submitted by the applicant for development 19/107, identified that Lough Corrib cSAC, Galway Bay Complex cSAC and Inner Galway Bay SPA were within the potential zone of influence of water quality effects on the River Corrib/Galway Bay during construction and impacts on aquatic species (e.g. lamprey and Atlantic salmon) due to the raw water</p>

Plan/Project Ref. No.	
	<p>intake system. Mitigation measures were proposed in the NIS submitted with the application to ensure all potential impacts are addressed – i.e. that water quality is maintained in the River Corrib and downstream in Galway Bay during construction and that the design of the raw water intake does not impact on aquatic fauna species. Therefore, with the application of those mitigation measures, development 19107 will not give rise to any adverse effects on the integrity of any European sites.</p> <p>Galway City Council undertook an Appropriate Assessment with respect to development 19/107 which concluded that the proposed development, either individually or in-combination with any other plans or projects (including the proposed N6 GCRR, as assessed in the NIS), and having regard to the mitigation measures outlined by the applicant in their NIS, would not adversely affect the integrity of any European sites.</p> <p>As concluded in the NIS for the N6 GCRR, and having regard to the mitigation measures detailed therein (see Section 10 of the NIS), the proposed road development will not adversely affect the integrity of any European sites, including Galway Bay Complex cSAC and Inner Galway Bay SPA, either alone or in-combination with any other plans or projects.</p> <p>Considering the mitigation measures for development 19/107 and the mitigation strategy proposed in the NIS for the N6 GCRR, there is no potential for any in-combination effects to arise that would affect the receiving environment in Lough Corrib cSAC, Galway Bay Complex cSAC or Inner Galway Bay SPA, or that would adversely affect the integrity of any European sites.</p>
<p>Knocknacarra District Centre, Gort na Bró, Ragoon SHD (305982-19) (SHD 18/7)</p>	<p>Development SHD 18/7 will involve the construction of 332 residential units, commercial units, community facilities, creche, car parking, shared communal and private open space, bicycle parking, bin storage, public lighting, site landscaping, services, signage, substation and all associated site development work.</p> <p>The development is remote from any European sites. However, it has the potential to act in-combination with the proposed road development, via the existing surface water and foul water drainage networks, to affect water quality in Galway Bay as a result of an accidental pollution event affecting surface water quality in the receiving environment during construction or operation, and the discharge of foul waters to the public foul network which ultimately outfalls to Galway Bay following treatment at the Galway Mutton Island Wastewater Treatment Plant.</p> <p>The Natura Impact Statement (NIS) submitted by the applicant for development SHD 18/7, identified that Galway Bay Complex cSAC and Inner Galway Bay SPA were within the potential zone of influence of water quality effects during construction and operation. Mitigation measures are proposed in the NIS submitted with the application to ensure all potential impacts are addressed – i.e. that surface water quality is maintained in Galway Bay during construction and operation. Therefore, with the application of those mitigation measures, development SHD 18/7 will not give rise to any adverse effects on the integrity of any European sites.</p>

Plan/Project Ref. No.	
	<p>As concluded in the NIS for the N6 GCRR, and having regard to the mitigation measures detailed therein (see Section 10 of the NIS), the proposed road development will not adversely affect the integrity of any European sites, including Galway Bay Complex cSAC and Inner Galway Bay SPA, either alone or in-combination with any other plans or projects.</p> <p>Considering the mitigation measures for development SHD 18/7 and the mitigation strategy proposed in the NIS for the N6 GCRR, there is no potential for any in-combination effects to arise that would affect the receiving environment in Galway Bay Complex cSAC or Inner Galway Bay SPA, or that would adversely affect the integrity of any European sites.</p>
<p>Ballybane More Road SHD (306222-19) (SHD 19/1)</p>	<p>Development SHD 19/1 will involve the construction of 102 residential units, a childcare facility, vehicular and pedestrian facilities and shared communal and private open space, site landscaping, car parking, electrical vehicle charging points, cycle parking, services and all associated site development works.</p> <p>The development is remote from any European sites. However, it has the potential to act in-combination with the proposed road development to affect water quality in Galway Bay as a result of an accidental pollution event affecting groundwater or surface water quality in the receiving environment during construction or operation.</p> <p>The Natura Impact Statement (NIS) submitted by the applicant for development SHD 19/1, identified that Galway Bay Complex cSAC and Inner Galway Bay SPA were within the potential zone of influence of groundwater and surface water quality effects during construction and operation. Mitigation measures are proposed in the NIS submitted with the application to ensure all potential impacts are addressed – i.e. that ground and surface water quality is maintained in the receiving environment during construction and operation. Therefore, with the application of those mitigation measures, development SHD 19/1 will not give rise to any adverse effects on the integrity of any European sites.</p> <p>As concluded in the NIS for the N6 GCRR, and having regard to the mitigation measures detailed therein (see Section 10 of the NIS), the proposed road development will not adversely affect the integrity of any European sites, including Galway Bay Complex cSAC and Inner Galway Bay SPA, either alone or in-combination with any other plans or projects.</p> <p>Considering the mitigation measures for development SHD 19/1 and the mitigation strategy proposed in the NIS for the N6 GCRR, there is no potential for any in-combination effects to arise that would affect the receiving environment in Galway Bay Complex cSAC or Inner Galway Bay SPA, or that would adversely affect the integrity of any European sites.</p>
<p>Coolough Residences, Coolough Road, Terryland (306403-19, 306403-20) (SHD 18/9)</p>	<p>Development SHD 18/9 will involve the construction of a student housing development, communal facilities, car parking, associated site development works, including landscaped areas, boundary treatments, drainage works, lighting, site services and infrastructure.</p>

Plan/Project Ref. No.	
	<p>The proposed development lies in close proximity to Lough Corrib cSAC (<60m) and it has the potential to act in-combination with the proposed road development to affect ground and surface water quality in Lough Corrib cSAC, and surface water quality in Galway Bay Complex cSAC and Inner Galway Bay SPA.</p> <p>The Natura Impact Statement (NIS) submitted by the applicant for development SHD 18/9, identified that Lough Corrib cSAC, Galway Bay Complex cSAC and Inner Galway Bay SPA were within the potential zone of influence of groundwater and surface water quality effects during construction and operation. Mitigation measures are proposed in the NIS submitted with the application to ensure all potential impacts are addressed – i.e. that ground and surface water quality is maintained in the receiving environment during construction and operation. Therefore, with the application of those mitigation measures, development SHD 18/9 will and will not give rise to any adverse effects on the integrity of any European sites.</p> <p>As concluded in the NIS for the N6 GCRR, and having regard to the mitigation measures detailed therein (see Section 10 of the NIS), the proposed road development will not adversely affect the integrity of any European sites, including Lough Corrib cSAC, Galway Bay Complex cSAC and Inner Galway Bay SPA, either alone or in-combination with any other plans or projects.</p> <p>Considering the mitigation measures for development SHD 18/9 and the mitigation strategy proposed in the NIS for the N6 GCRR, there is no potential for any in-combination effects to arise that would affect the receiving environment in Lough Corrib cSAC, Galway Bay Complex cSAC or Inner Galway Bay SPA, or that would adversely affect the integrity of any European sites.</p>
<p>Rosshillmanor, Rosshill Road SHD (306413-19) (SHD 19/2)</p>	<p>Development SHD 19/2 will involve the construction of 342 residential units, a ground-floor community space, office, cafe and retail units, a childcare facility, public realm landscaping, pedestrian, cyclist and vehicular links throughout the development, access road and junction improvements, associated surface water and foul drainage services and all associated site works and ancillary services.</p> <p>As the development lies immediately adjacent to Galway Bay Complex cSAC and Inner Galway Bay SPA, it has the potential to act in-combination with the proposed road development to affect water quality in Galway Bay and as a result of potential disturbance effects on otter.</p> <p>The Natura Impact Statement (NIS) submitted by the applicant for development 19/2, identified that Galway Bay Complex cSAC and Inner Galway Bay SPA were within the potential zone of influence of water quality effects and disturbance effects to species during construction and operation. Mitigation measures are proposed in the NIS submitted with the application to ensure all potential impacts are addressed – i.e. that water quality is maintained in Galway Bay during construction and operation and construction related disturbance is minimised. Therefore, with the application of those mitigation measures, development SHD 19/2 will not give rise to any adverse effects on the integrity of any European sites.</p>

Plan/Project Ref. No.	
	<p>As concluded in the NIS for the N6 GCRR, and having regard to the mitigation measures detailed therein (see Section 10 of the NIS), the proposed road development will not adversely affect the integrity of any European sites, including Galway Bay Complex cSAC and Inner Galway Bay SPA, either alone or in-combination with any other plans or projects.</p> <p>Considering the mitigation measures for development 19/2 and the mitigation strategy proposed in the NIS for the N6 GCRR, there is no potential for any in-combination effects to arise that would affect the receiving environment in Galway Bay Complex cSAC or Inner Galway Bay SPA, or that would adversely affect the integrity of any European sites.</p>
<p>Letteragh Road, Ragoon SHD (304345-19) (SHD 18/5)</p>	<p>Development SHD 18/5 consists of the construction of 101 residential units, a childcare facility, an indoor tenant facility area and shared communal and private open space, car parking, site landscaping, services, access to Letteragh Road, and all associated site development works.</p> <p>The development is remote from any European sites. However, it has the potential to act in-combination with the proposed road development to affect water quality in the River Corrib and Galway Bay as a result of the discharge of waters to ground during construction and operation and the discharge of foul waters to the public foul network which ultimately outfalls to Galway Bay following treatment at the Galway Mutton Island Wastewater Treatment Plant.</p> <p>The Natura Impact Statement (NIS) submitted by the applicant for development SHD 18/5, identified that Lough Corrib cSAC, Galway Bay Complex cSAC and Inner Galway Bay SPA were within the potential zone of influence of water quality effects during construction and operation. Mitigation measures were proposed in the NIS submitted with the application to ensure all potential impacts were addressed – i.e. that water quality is maintained in the River Corrib and downstream in Galway Bay during construction and operation. Therefore, with the application of those mitigation measures, development SHD 18/5 will not give rise to any adverse effects on the integrity of any European sites.</p> <p>An Bord Pleanála undertook an Appropriate Assessment with respect to development SHD 18/5 which concluded that the proposed development, either individually or in-combination with any other plans or projects (including the proposed N6 GCRR, as assessed in the NIS), and having regard to the mitigation measures outlined by the applicant in their NIS, would not adversely affect the integrity of any European sites.</p> <p>As concluded in the NIS for the N6 GCRR, and having regard to the mitigation measures detailed therein (see Section 10 of the NIS), the proposed road development will not adversely affect the integrity of any European sites, including Lough Corrib cSAC, Galway Bay Complex cSAC and Inner Galway Bay SPA, either alone or in-combination with any other plans or projects.</p>

Plan/Project Ref. No.	
	<p>Considering the mitigation measures for development SHD 18/5 and the mitigation strategy proposed in the NIS for the N6 GCRR, there is no potential for any in-combination effects to arise that would affect the receiving environment in Lough Corrib cSAC, Galway Bay Complex cSAC or Inner Galway Bay SPA, or that would adversely affect the integrity of any European sites.</p>
<p>East Ballymoneen Road SHD (304762-19) (SHD 18/4)</p>	<p>Development SHD 18/4 consists of the demolition of an existing house and associated outbuildings on the site, construction of 238 residential units, development of a crèche facility/community facility, development of two number retail units and the provision of shared communal and private open space, car and bicycle parking, site landscaping and public lighting, services, access with Ballymoneen Road and all associated site development works.</p> <p>The development is remote from any European sites. However, it has the potential to act in-combination with the proposed road development to affect water quality in Galway Bay as a result of the potential for a pollution event to occur during construction and operation (as the local area drains to the Tonabrocky Stream which flows to Galway Bay) and the discharge of foul waters to the public foul network, which ultimately outfalls to Galway Bay following treatment at the Galway Mutton Island Wastewater Treatment Plant.</p> <p>The Natura Impact Statement (NIS) submitted by the applicant for development SHD 18/4, identified that Galway Bay Complex cSAC and Inner Galway Bay SPA were within the potential zone of influence of water quality effects during construction and operation. Mitigation measures were proposed in the NIS submitted with the application to ensure all potential impacts were addressed – i.e. that surface water quality is maintained in the nearby Tonabrocky Stream to avoid effects on water quality in Galway Bay during construction and operation. Therefore, with the application of those mitigation measures, development SHD 18/4 will not give rise to any adverse effects on the integrity of any European sites.</p> <p>An Bord Pleanála undertook Screening for Appropriate Assessment with respect to development SHD 18/4 which concluded that the proposed development, either individually or in-combination with any other plans or projects (including the proposed N6 GCRR, as assessed in the NIS), would not be likely to have a significant effect on any European sites and Appropriate Assessment was not required.</p> <p>As concluded in the NIS for the N6 GCRR, and having regard to the mitigation measures detailed therein (see Section 10 of the NIS), the proposed road development will not adversely affect the integrity of any European sites, including Galway Bay Complex cSAC and Inner Galway Bay SPA, either alone or in-combination with any other plans or projects.</p> <p>Considering the mitigation measures for development SHD 18/4 and the mitigation strategy proposed in the NIS for the N6 GCRR, there is no potential for any in-combination effects to arise that would affect the receiving environment in Galway Bay Complex cSAC or Inner Galway Bay SPA, or that would adversely affect the integrity of any European sites.</p>

Plan/Project Ref. No.	
<p>Crown Square, Monivea Road & Joyce’s Road, Mervue SHD (304928-19) (SHD 18/6)</p>	<p>Development SHD 18/6 consists of the construction of 288 apartments and associated non-residential and commercial developments. The development is remote from any European sites. However, it has the potential to act in-combination with the proposed road development to affect water quality in Galway Bay as a result of the potential for a groundwater or surface water pollution event to occur during construction or operation, and the discharge of foul waters to the public foul network, which ultimately outfalls to Galway Bay following treatment at the Galway Mutton Island Wastewater Treatment Plant.</p> <p>The Natura Impact Statement (NIS) submitted by the applicant for development SHD 18/6, identified that Galway Bay Complex cSAC and Inner Galway Bay SPA were within the potential zone of influence of water quality effects during construction and operation. Mitigation measures were proposed in the NIS submitted with the application to ensure all potential impacts were addressed – i.e. that ground and surface water quality is maintained to avoid effects on water quality in Galway Bay during construction and operation. Therefore, with the application of those mitigation measures, development SHD 18/6 will not give rise to any adverse effects on the integrity of any European sites.</p> <p>An Bord Pleanála undertook an Appropriate Assessment with respect to development SHD 18/6 which concluded that the proposed development, either individually or in-combination with any other plans or projects (including the proposed N6 GCRR, as assessed in the NIS), and having regard to the mitigation measures outlined by the applicant in their NIS, would not adversely affect the integrity of any European sites.</p> <p>As concluded in the NIS for the N6 GCRR, and having regard to the mitigation measures detailed therein (see Section 10 of the NIS), the proposed road development will not adversely affect the integrity of any European sites, including Galway Bay Complex cSAC and Inner Galway Bay SPA, either alone or in-combination with any other plans or projects.</p> <p>Considering the mitigation measures for development SHD 18/6 and the mitigation strategy proposed in the NIS for the N6 GCRR, there is no potential for any in-combination effects to arise that would affect the receiving environment in Galway Bay Complex cSAC or Inner Galway Bay SPA, or that would adversely affect the integrity of any European sites.</p>
<p>Dangan, Upper Newcastle. Student Accommodation. (301693-18) (SHD 18/1)</p>	<p>Development SHD 18/1 consists of redevelopment of the existing Westwood Hotel site at Dangan, Upper Newcastle, Galway for a student accommodation scheme.</p> <p>Development SHD 18/1 is currently under construction and near completion. Given the nature of SHD 18/1 and its location remote from any European sites, and the fact that the construction will be completed well in advance of the N6 GCRR, there is no potential for in-combination effects during construction or any in-combination effects during operation.</p>

Plan/Project Ref. No.	
	<p>As concluded in the NIS for the N6 GCRR and having regard to the mitigation measures detailed therein (see Section 10 of the NIS), the proposed road development will not adversely affect the integrity of any European sites, either alone or in-combination with any other plans or projects.</p> <p>Considering the mitigation strategy proposed in the NIS for the N6 GCRR, there is no potential for any in-combination effects to arise that would adversely affect the integrity of any European sites.</p>
<p>NUIG, Northern Campus, Dangan (303846-19) (SHD 18/3)</p>	<p>Development SHD 18/3 consists of the development of a student accommodation scheme comprising 125 apartments, communal areas and facilities.</p> <p>The development is remote from any European sites. However, it lies immediately adjacent to Lough Corrib cSAC and has the potential to act in-combination with the proposed road development as a result of the potential for a groundwater or surface water pollution event to affect ground water quality locally, surface water quality in the River Corrib and downstream in Galway Bay during construction or operation, and the discharge of foul waters to the public foul network, which ultimately outfalls to Galway Bay following treatment at the Galway Mutton Island Wastewater Treatment Plant.</p> <p>The Natura Impact Statement (NIS) submitted by the applicant for development SHD 18/3, identified that Lough Corrib cSAC, Galway Bay Complex cSAC and Inner Galway Bay SPA were within the potential zone of influence of water quality effects during construction and operation. Mitigation measures were proposed in the NIS submitted with the application to ensure all potential impacts were addressed – i.e. that ground and surface water quality is maintained to avoid effects on groundwater locally and on surface water quality in the River Corrib and Galway Bay during construction and operation. Therefore, with the application of those mitigation measures, development SHD 18/3 will not give rise to any adverse effects on the integrity of any European sites.</p> <p>An Bord Pleanála undertook an Appropriate Assessment with respect to development SHD 18/3 which concluded that the proposed development, either individually or in-combination with any other plans or projects (including the proposed N6 GCRR, as assessed in the NIS), and having regard to the mitigation measures outlined by the applicant in their NIS, would not adversely affect the integrity of any European sites.</p> <p>As concluded in the NIS for the N6 GCRR and having regard to the mitigation measures detailed therein (see Section 10 of the NIS), the proposed road development will not adversely affect the integrity of any European sites, including Lough Corrib cSAC, Galway Bay Complex cSAC and Inner Galway Bay SPA, either alone or in-combination with any other plans or projects.</p> <p>Considering the mitigation measures for development SHD 18/3 and the mitigation strategy proposed in the NIS for the N6 GCRR, there is no potential for any in-combination effects to arise that would affect the receiving environment in Lough Corrib cSAC, Galway Bay Complex cSAC or Inner Galway Bay SPA, or that would adversely affect the integrity of any European sites.</p>

Plan/Project Ref. No.	
<p>In-combination Assessment of all the above live or approved projects and plans identified since the publication of the NIS together with the N6 GCRR and the projects and plans considered in Section 12 of the NIS.</p>	<p>The majority of the projects assessed in this table above identified that there were European sites within the potential zone of influence of effects during construction and/or operation. Those European sites at risk of effects from elements of those projects are Lough Corrib cSAC, Galway Bay Complex cSAC and Inner Galway Bay SPA. In all cases, mitigation measures were/are proposed to ensure that those projects, either alone, in-combination with one another, or in-combination with any other plans or projects, will not adversely affect the integrity of any European sites.</p> <p>As concluded in the NIS for the N6 GCRR, and having regard to the mitigation measures detailed therein (see Section 10 of the NIS), the proposed road development will not adversely affect the integrity of any European sites, including Lough Corrib cSAC, Galway Bay Complex cSAC and Inner Galway Bay SPA, either alone or in-combination with any other plans or projects, including the potential in-combination effects of all the projects assessed in this document taken together.</p> <p>Considering the mitigation measures for all the developments considered above and the mitigation strategy proposed in the NIS for the N6 GCRR, there is no potential for any in-combination effects to that would affect the receiving environment in Lough Corrib cSAC, Galway Bay Complex cSAC or Inner Galway Bay SPA, or that would adversely affect the integrity of any European sites.</p> <p>As assessed in Section 12 of the NIS, there is no potential for adverse effects on the integrity of any European sites to arise as a consequence of the proposed road development acting in-combination with any, or all, of the plans or projects originally considered as part of the in-combination assessment. Equally, there is no potential for adverse effects on the integrity of any European sites to arise as a consequence of the proposed road development acting in-combination with any, or all, of the additional projects assessed in this document, including when considered cumulatively with those plans and projects originally assessed in the NIS.</p> <p>Therefore, the N6 GCRR will not adversely affect the integrity of any European sites, either alone or in-combination with any other plans or projects.</p>



FOR INFORMATION

- Legend**
- Proposed Road Development
 - Proposed Development Boundary
 - City Boundary
 - Live/Permitted Projects

San áireamh tá sonraíocht Shuirbhéireacht Ordánais Éireann arna ástigeadh faoi Cheadúnas OSI Uimh. 2010/19CCMA/Comhairle Chontae na Gaillimhe. Sáráilonn ástigeadh neamhdáilíocht cóipeáir Shuirbhéireacht Ordánais Éireann agus Rialtas na hÉireann. © Suirbhéireacht Ordánais Éireann, 2010.

© Suirbhéireacht Ordánais Éireann. Gach ceart ar chosaint.
Uimhir cheadúnais 2010/19CCMA/Comhairle Chontae na Gaillimhe.

Includes Ordnance Survey Ireland data reproduced under OSI Licence number 2010/19CCMA/Galway County Council.
Unauthorised reproduction infringes Ordnance Survey Ireland and Government of Ireland copyright. © Ordnance Survey Ireland, 2010.

© Ordnance Survey Ireland. All rights reserved. Licence number 2010/19CCMA/Galway County Council.

Clients

Consultant

ARUP

Corporate House
City East Business Park
Ballybrit, Galway, Ireland

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

Job Title

N6 Galway City Ring Road

Scale: **1:50,000**
Date: **March 2020**

Issue	Date	By	Chkd	Appd
I1	09/03/2020	AM	FP	EMC

Drawing Title

Live/Permitted Projects Since Publication of NIS
- In-combination Assessment Addendum

Drawing Status
For Information

Job No	Drawing No	Issue
233985-00	GCCR-SK-OH-051	11