

The Secretary
An Bord Pleanála
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D01V902

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Date: 30 March 2023

Re: CASTLETROY WASTEWATER TREATMENT PLANT UPGRADE

Application under Section 37E of the Planning and Development Act 2000 (as amended) by Uisce Éireann, formerly known as Irish Water for the approval by An Bord Pleanála for a period of 10 years for development at Dromore, Castletroy, Limerick. The development comprises of upgrades to Castletroy Wastewater Treatment Plant to increase the capacity of the existing plant and will consist of increased capacity stormwater and foul pumps in the existing main lift pump station; upgrading of inlet works to include new screens, additional vortex grit removal lane, grit classifier, air blower, discharge skip and odour control equipment; new forward feed pump station; primary filters building and odour control equipment; primary sludge storage tank; stormwater storage tank, storm tank cleaning system, storm overflow screen and storm water return pumping station; flood event pump station including increasing the wall height of the existing final effluent sampling chamber structure; scum removal pumping station; additional chemical dosing tank and ancillary equipment, interconnecting pipework (rising mains and gravity) and valves; internal road area including surface water drainage and attenuation; retrofitting the existing aeration basins with integrated fixed-film activated sludge (IFAS) technology including a media support system and new fine bubble diffused air; retrofitting of existing secondary clarifiers to provide baffles and bridge; replacement of the existing sludge dewatering equipment and provision of 3 no. skip units (covered), with odour control equipment; new picket fence thickener and re-purposing of an existing picket fence thickener to a thickened sludge storage tank; site lighting (both task lighting and road lighting); roof mounted solar panels on primary filters building; landscaping; and all associated site development works including ancillaries and excavation works above and below ground for the proposed works. The project will be constructed in the Castletroy Agglomeration area licenced under the Waste Water Discharge (Authorisation) (WWDA) Regulations 2007 (Licence D0019-01). This application relates to a proposed development which requires a review of the existing WWDA Licence. An Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) have been prepared in respect of the proposed development and will be submitted to the Planning Authority with the application.

Dear Sir/Madam,

We act on behalf of Uisce Éireann, formerly known as Irish Water who are applying to An Bord Pleanála for a 10-year planning permission for development at Dromore, Castletroy, Limerick. The development comprises of upgrades to Castletroy Wastewater Treatment Plant to increase the capacity of the

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Directors: Liam Prendiville BE CEng FIEI DipPM DipH&G FConSEI (Managing), Maurice O'Donoghue BE Eur Ing CEng FIEI DipPM FConSEI, Martin Hogan BSc(Hons) MSc CChem FRSC FCIWM MIEI MinstD Eamon Daly BE MEngSc CEng MIEI, Anne Marie Conibear BE MBP CEng MICE FIEI RConSEI, Garry Flood BSc(Eng) CEng MIEI, Michael Hand BE MBA PhD(hc) Eur Ing CEng FIEI FICE FCIWEM FIAE CDir MIOd
Technical Directors: Jerome O'Brien BE Eur Ing CEng FIEI MStructE FConSEI, Gordon Barry BE Dip Arb Eurlng CEng CEnv CSci CWEM FCIArb FIEI FCIWEM AMIChemE, Marcus Fagan BEng CEng MIEI, Tim Finn BE CEng MIEI, Séamus Donaghy LLB BA BSc Dip OSH MICE CMIOASH
Associate Directors: Kieran O'Dwyer BE MIEI, Paul Judge BSc MSc(Eng) CEng MIEI, Ben Gaffney BE MEng CEng MIEI, Peter Morehan BE CEng MIEI PMP, Ross Kinsella BA BAI DipPM CEng MIEI, Deirdre O'Hara BSc MSc HDip PM CEng MIEI PGeo EurGeol, William Lalor BSc(Eng) DipEng CEng MIEI, Gabriel Dooley BE CEng MIEI Eurlng, Tom Cannon BEng(Hons) CEng MIEI

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J. B. Barry and Partners Limited is registered in Ireland #121649





existing plant and will consist of increased capacity stormwater and foul pumps in the existing main lift pump station; upgrading of inlet works to include new screens, additional vortex grit removal lane, grit classifier, air blower, discharge skip and odour control equipment; new forward feed pump station; primary filters building and odour control equipment; primary sludge storage tank; stormwater storage tank, storm tank cleaning system, storm overflow screen and storm water return pumping station; flood event pump station including increasing the wall height of the existing final effluent sampling chamber structure; scum removal pumping station; additional chemical dosing tank and ancillary equipment, interconnecting pipework (rising mains and gravity) and valves; internal road area including surface water drainage and attenuation; retrofitting the existing aeration basins with integrated fixed-film activated sludge (IFAS) technology including a media support system and new fine bubble diffused air; retrofitting of existing secondary clarifiers to provide baffles and bridge; replacement of the existing sludge dewatering equipment and provision of 3 no. skip units (covered), with odour control equipment; new picket fence thickener and re-purposing of an existing picket fence thickener to a thickened sludge storage tank; site lighting (both task lighting and road lighting); roof mounted solar panels on primary filters building; landscaping; and all associated site development works including ancillaries and excavation works above and below ground for the proposed works. The project will be constructed in the Castletroy Agglomeration area licenced under the Waste Water Discharge (Authorisation) (WWDA) Regulations 2007 (Licence D0019-01). This application relates to a proposed development which requires a review of the existing WWDA Licence. An Environmental Impact Assessment Report (EIAR) and Natura Impact Statement (NIS) have been prepared in respect of the proposed development and will be submitted to the Planning Authority with the application.

This application is made following the completion of pre-application consultation with An Bord Pleanála under Section 37B of the Planning and Development Act 2000 (as amended). In correspondence dated the 24th January 2023, the Board confirmed their formal opinion that that the proposed development meets the definition of 'strategic infrastructure development' as defined in the legislation, and as such, that the planning application should be made directly to An Bord Pleanála.

Submission Requirements

As requested, 2 no. hard copies and 8 electronic copies of the application are enclosed. A digital copy of the application boundary is also provided separately.

The relevant planning application fee of €100,000 was transferred to An Bord Pleanála on 23rd March 2023. Receipt has been confirmed with the Executive Officer.

A dedicated project website has been setup, accessible via the following url:

www.water.ie/castletroywwtp-docs

A schedule of application documentation and separate schedule of drawings is also appended for reference.

Notification to Limerick City & County Council and Prescribed Bodies

In the correspondence dated the 24th January 2023, An Bord Pleanála issued a list of prescribed bodies to be notified as part of the application. 4 no. hard copies and 3 no. electronic copies of the application have been issued to Limerick City & County Council. We can confirm that copies of the application were issued to prescribed bodies on the 28th March 2023. A full list of the notified bodies is provided as follows:

Body	Notification Date	Application Format
Chief Executive, Limerick City & County Council	28 th March 2023 by email. Files delivered on 30 th March 2023.	4 no. hard copies and 3 no. digital copies delivered to the offices of the Council.



Minister for Housing, Local Government and Heritage	28 th March 2023	Fileshare and electronic copy via email.
Minister for Environment, Climate and Communications	28 th March 2023	Electronic copy by email and 1 no. digital copy via post
Clare County Council	28 th March 2023	Electronic copy by email and 1 no. digital copy via post
Southern Regional Assembly	28 th March 2023	Electronic copy by email and 1 no. digital copy via post
Commission for Regulation of Utilities, Water and Energy	28 th March 2023	Electronic copy via email
The Health Service Executive, HSE	28 th March 2023	Electronic copy by email and 1 no. digital copy via post
Environmental Protection Agency, EPA	28 th March 2023	Electronic copy by email and 1 no. digital copy via post
Inland Fisheries Ireland	28 th March 2023	Electronic copy via email
Transport Infrastructure Ireland	28 th March 2023	Electronic copy via email
The Heritage Council	28 th March 2023	Electronic copy via email
An Taisce	28 th March 2023	Electronic copy by email and 1 no. digital copy via post
An Chomhairle Ealaíon	28 th March 2023	Electronic copy by email and 1 no. digital copy via post
Faite Ireland	28 th March 2023	Electronic copy via email
Health and Safety Authority	28 th March 2023	Electronic copy by email and 1 no. digital copy via post
Geological Survey of Ireland, GSI	28 th March 2023	Electronic copy by email and 1 no. digital copy via post

We trust the enclosed information is sufficient to allow An Bord Pleanála to process the planning application.

Please do not hesitate to contact us if you have any queries.

Yours sincerely,

Paul Judge
Associate Director
J. B. Barry and Partners Limited

Castletroy Wastewater Treatment Plant Project

List of Planning Application Documents and Drawings

1. SID Application Cover Letter
2. SID Application Form, signed and dated
3. Application fee paid by electronic transfer (confirmation of €100,000 payment enclosed with application)
4. Confirmation Notice from the Department of Housing, Planning and Local Government re provision of required information for its EIA portal
5. Newspaper Notice, as published in the Irish Independent and the Limerick Leader on 25th March 2023
6. Site Notice, as erected, at 4 no. locations, the locations of same being shown on Drawing No. 20701-JBB-00-XX-DR-Z-1202_Castletroy WWTP Site Location Plan, accompanying this planning application
7. A schedule of Prescribed Bodies to whom the notice of the application has been sent
8. Copy of Letter to Prescribed Bodies, sent to:
 1. Minister for Housing, Planning and Local Government
 2. Minister for Environment, Climate and Communications
 3. Limerick City and County Council
 4. Clare County Council
 5. Southern Regional Assembly
 6. Commission for Regulation of Utilities, Water and Energy
 7. Health Service Executive (HSE)
 8. Environmental Protection Agency (EPA)
 9. Inland Fisheries Ireland
 10. Transport Infrastructure Ireland (TII)
 11. The Heritage Council
 12. An Taisce
 13. An Comhairle Ealaíon
 14. Failte Ireland
 15. Health and Safety Authority (HSA)
 16. Geological Survey of Ireland (GSI)
9. Planning Report (HW Planning)
10. Engineering Services Report (J B Barry and Partners)
11. Environmental Impact Assessment Report, comprising:
 - EIAR Volume 1 (Non-Technical Summary)
 - EIAR Volume 2 (Environmental Impact Assessment Report)
 - EIAR Volume 3 (Appendices)
 - EIAR Volume 4 (Drawings)
12. Natura Impact Statement (MKO)
13. Shapefile of the planning boundary (in the required format), provided with the electronic copies of the documents
14. Consultation Report
15. Planning Application Drawings, as per attached Schedule.

CASTLETROY WASTEWATER TREATMENT PLANT

PLANNING APPLICATION - MARCH 2023

SCHEDULE OF PLANNING DRAWINGS

INDEX_ Rev_ C01 -A1 PRINT SCALE

DRAWING NO.	DRAWING NO.	SCALE
20701-JBB-00-XX-DR-Z-1001	CASTLETROY WWTP _COVER_SHEET	N/A
20701-JBB-00-XX-DR-Z-1002	CASTLETROY WWTP_DRAWING_LIST	N/A
20701-JBB-00-XX-DR-Z-1202	CASTLETROY WWTP SITE LOCATION MAP	1:1000
20701-JBB-00-XX-DR-Z-1203	_CASTLETROY WWTP EXISTING SITE LAYOUT PLAN	1:500
20701-JBB-00-XX-DR-Z-1204	CASTLETROY WWTP PROPOSED SITE LAYOUT PLAN	1:500
20701-JBB-00-XX-DR-Z-1205	CASTLETROY WWTP PROPOSED PIPEWORK LAYOUT PLAN	1:500
20701-JBB-00-XX-DR-Z-1207	CASTLETROY WWTP PROPOSED SITE DRAINAGE LAYOUT PLAN	1:500
20701-JBB-00-XX-DR-Z-1208	CASTLETROY WWTP RIGHT OF WAY-WAYLEAVE MAP	1:2500
20701-JBB-00-XX-M3-Z-01000	FED_MODEL - PLANNING	N/A
20701-JBB-00-XX-DR-Z-01005	PROPOSED FILTER_BLDG_SPLITTER_CHAMBER-PLAN LAYOUT	1:50
20701-JBB-00-XX-DR-Z-01006	PROPOSED FILTER_BLDG_SPLITTER_CHAMBER-SECTIONS	1:100
20701-JBB-00-XX-DR-Z-01007	PROPOSED FILTER_BLDG_SPLITTER_CHAMBER-ELEVATIONS	1:100
20701-JBB-00-XX-DR-Z-01010	PROPOSED STORMWATER STORAGE TANK & RETURN P.S - FLOOR PLAN AND SECTION	1:100
20701-JBB-00-XX-DR-Z-01011	PROPOSED STORMWATER STORAGE TANK & RETURN P.S - TANK TOP PLAN AND SECTION	1:100
20701-JBB-00-XX-DR-Z-01012	PROPOSED STORMWATER STORAGE TANK & RETURN P.S PLAN AND SECTIONS	1:50
20701-JBB-00-XX-DR-Z-01013	PROPOSED STORMWATER STORAGE TANK & RETURN P.S - 3D OVERALL VIEW	N/A
20701-JBB-00-XX-DR-Z-01014	EXISTING PFT TANK_NO-1 - PLAN AND SECTION	1:50
20701-JBB-00-XX-DR-Z-01015	EXISTING PFT CONVERTED TO THICKENER SLUDGE STORAGE TANK - PLAN AND SECTION	1:50
20701-JBB-00-XX-DR-Z-01017	PROPOSED PFT TANK_NO-2-PLAN AND SECTION	1:50
20701-JBB-00-XX-DR-Z-01018	EXISTING 25M CLARIFIER TANK-PLAN AND SECTION	1:100
20701-JBB-00-XX-DR-Z-01019	EXISTING 20M CLARIFIER TANK-PLAN LAYOUT OF INTERNAL MODIFICATIONS	1:100
20701-JBB-00-XX-DR-Z-01020	EXISTING 20M CLARIFIER TANK-SECTIONS AND 3D VIEW OF INTERNAL MODIFICATIONS	1:100
20701-JBB-00-XX-DR-Z-01021	EXISTING AERATION TANK-PLAN LAYOUT OF INTERNAL MODIFICATIONS	1:100
20701-JBB-00-XX-DR-Z-01022	EXISTING AERATION TANK-SECTIONS OF INTERNAL MODIFICATIONS	1:100
20701-JBB-00-XX-DR-Z-01023	EXISTING AERATION TANK-3D VIEW OF INTERNAL MODIFICATIONS	N/A
20701-JBB-00-XX-DR-Z-01024	PROPOSED CHEMICAL STORAGE TANK NO-2	1:50
20701-JBB-00-XX-DR-Z-01025	PROPOSED SCUM_PUMP SUMP-PLAN AND SECTIONS	1:25
20701-JBB-00-XX-DR-Z-01026	PROPOSED WASHWATER BOOSTER_PS & SUMP-PLAN & SECTION	1:25
20701-JBB-00-XX-DR-Z-01027	PROPOSED STORM TRANSFER PUMP SUMP-PLAN AND SECTIONS	1:50
20701-JBB-00-XX-DR-Z-01028	PROPOSED PRIMARY SLUDGE THICKENING TANK NO.3 PLAN & SECTION	1:50
20701-JBB-00-XX-DR-Z-01029	MODIFICATIONS TO EXISTING SLUDGE DEWATERING PLANT HOUSE-PLAN LAYOUTS AND SECTIONS	1:100
20701-JBB-00-XX-DR-Z-01030	MODIFICATIONS TO EXISTING SLUDGE DEWATERING PLANT HOUSE-SECTIONS AND 3D VIEW	1:100
20701-JBB-00-XX-DR-Z-01031	PROPOSED ODOUR CONTROL UNIT NO-1-PLAN & SECTIONS	1:50
20701-JBB-00-XX-DR-Z-01032	PROPOSED ODOUR CONTROL UNIT NO-2-PLAN & SECTIONS	1:50
20701-JBB-00-XX-DR-Z-01033	PROPOSED ODOUR CONTROL UNIT NO-3-PLAN & SECTIONS	1:50

20701-JBB-00-XX-DR-Z-01034	MODIFICATIONS TO EXISTING RAW SEWAGE INLET PUMP STATION-PLAN & SECTIONS	1:100
20701-JBB-00-XX-DR-Z-01035	MODIFICATIONS TO EXISTING RAW SEWAGE INLET PUMP STATION-SECTIONS & ELEVATIONS	1:100
20701-JBB-00-XX-DR-Z-01036	EXISTING FINAL EFFLUENT OUTLET CHAMBER-PLAN AND SECTIONS	1:50
20701-JBB-00-XX-DR-Z-01037	MODIFICATIONS TO EXISTING INLET WORKS-PLAN AND SECTION	1:100
20701-JBB-00-XX-DR-Z-01038	MODIFICATIONS TO EXISTING INLET WORKS-SECTIONS	1:100
20701-JBB-00-XX-DR-Z-01039	MODIFICATIONS TO EXISTING INLET WORKS-3D VIEW	N/A
20701-JBB-00-XX-DR-Z-01040	EXISTING ADMINISTRATION BUILDING-PLAN-SECTIONS & ELEVATIONS	1:100
20701-JBB-00-XX-DR-Z-01041	PROPOSED EMERGENCY FLOOD EVENT PUMP STATION-PLAN AND SECTIONS	1:100
20701-JBB-00-XX-DR-Z-01042	PROPOSED EMERGENCY FLOOD EVENT PUMP STATION-ELEVATIONS AND 3D VIEW	1:100
GRF-JBAI-XX-XX-DR-L-0001	LANDSCAPE_MASTEPLAN-S0-P01.01-JBAI-XX-XX-DR-L-0001- ECOLOGICALLANDSCAPEPROPOSALS-S0-P01.01	1:500

SCHEDULE OF NOTIFIED PRESCRIBED BODIES

Notice of the subject application for approval has been sent to the following prescribed bodies:

Prescribed Body
Chief Executive, Limerick City & County Council
Minister for Housing, Local Government and Heritage
Minister for Environment, Climate and Communications
Clare County Council
Southern Regional Assembly
Commission for Regulation of Utilities, Water and Energy
The Health Service Executive, HSE
Environmental Protection Agency, EPA
Inland Fisheries Ireland
Transport Infrastructure Ireland
The Heritage Council
An Taisce
An Chomhairle Ealaíon
Faite Ireland
Health and Safety Authority
Geological Survey of Ireland, GSI