

The Secretary
An Bord Pleanála
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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



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. |



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| 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. Fáilte 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 |

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|----------------------------|---|-------|
| 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 |