

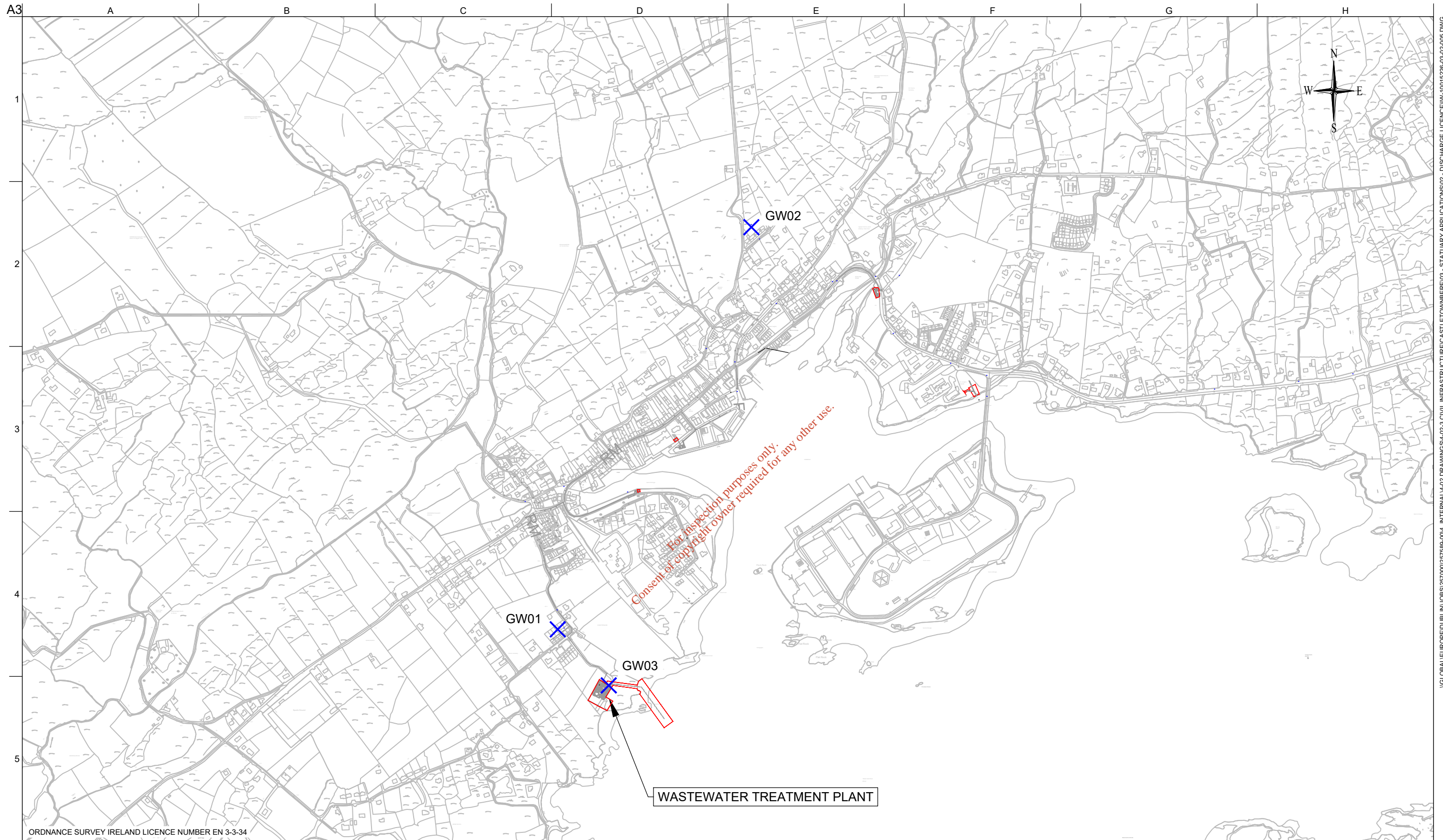
## SECTION B – GENERAL

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### **Attachment B7: Secondary Discharge Points to be Decommissioned**

- **Attachment B.7: Castletownbere Secondary Discharge Points to be Decommissioned**

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ORDNANCE SURVEY IRELAND LICENCE NUMBER EN 3-3-34

- Legend**
- SITE BOUNDARY
  - EXISTING SECONDARY DISCHARGE POINT TO BE DECOMMISSIONED

Issue	Date	By	Chkd	Appd
I1	24/03/20	JT	AD	KO'S

Client



Obair i gcompháirtíocht  
Working in Partnership

Job Title

UTAS - CORK BUNDLE  
CASTLETOWNBERE

Scale at A3 1:10000@ A3

Discipline INFRASTRUCTURE

ARUP

BYRNE LOOBY

Drawing Title

DISCHARGE LICENCE APPLICATION  
ATTACHMENT B.7  
SECONDARY DISCHARGE POINTS

Drawing Status

FOR INFORMATION

Job No  
**IW-10015226**

Drawing No  
**03-02-005**

Issue  
**11**

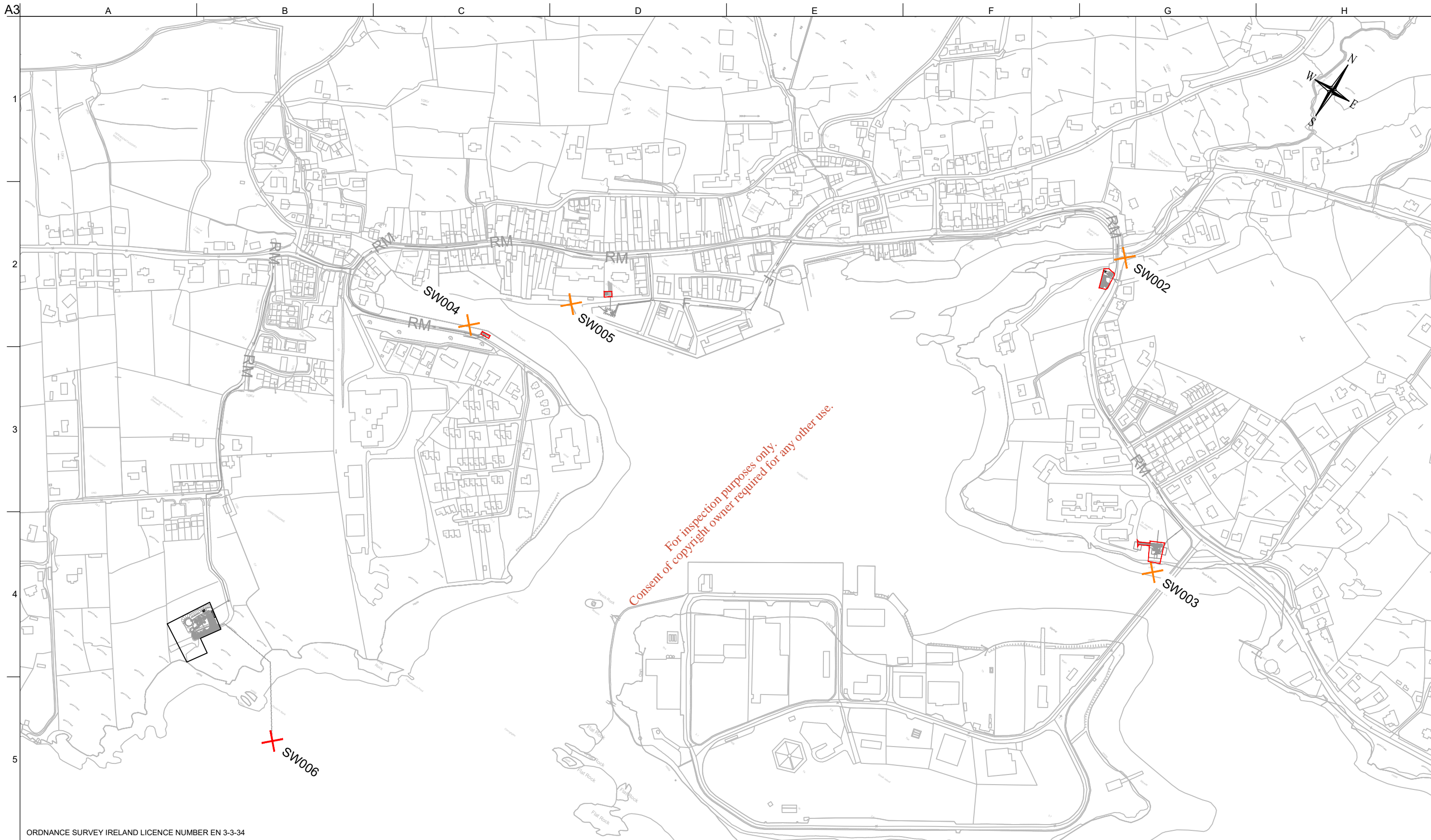
## SECTION B – GENERAL

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### Attachment B8: STORMWATER OVERFLOW DISCHARGE LOCATIONS

- Attachment B.8: Castletownbere Stormwater Overflow Discharge Locations

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ORDNANCE SURVEY IRELAND LICENCE NUMBER EN 3-3-34

- Legend**
- SITE BOUNDARY
  - EXISTING SECONDARY DISCHARGE TO BE RETAINED AS STORM WATER OVERFLOW
  - PROPOSED STORM WATER OVERFLOW

11	24/03/20	JT	AD	KO'S
Issue	Date	By	Chkd	Appd

Client




Obair i gcompháirtíocht  
Working in Partnership

Job Title  
**UTAS - CORK BUNDLE  
CASTLETOWNBERE**

Scale at A3  
1:5000@ A3

Discipline  
INFRASTRUCTURE



Drawing Title  
**DISCHARGE LICENCE APPLICATION  
ATTACHMENT B.8  
STORMWATER OVERFLOW**

Drawing Status  
**FOR INFORMATION**

Job No <b>IW-10015226</b>	Drawing No <b>03-02-006</b>	Issue <b>11</b>
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Do not scale

© Arup

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## SECTION B – GENERAL

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### Attachment B13: PLANNING PERMISSION, CONDITIONS AND INSPECTOR'S REPORTS

- Attachment B.13.a:       Castletownbere Planning Permission and Conditions – 19/00813
- Attachment B.13.b:       Castletownbere Planning Permission and Conditions – 19/00814
- Attachment B.13.c:       Castletownbere Planning Inspector's Report – 19/00813
- Attachment B.13.d:       Castletownbere Planning Inspector's Report – 19/00814

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**CORK COUNTY COUNCIL**  
**PLANNING & DEVELOPMENT ACTS 2000 – 2010 AS AMENDED**  
**NOTIFICATION OF DECISION TO GRANT Permission**

Reference No. in Planning Register **19/00813**

Irish Water  
c/o Kevin O'Sullivan  
Arup  
One Albert Quay  
Cork  
T12 X8N6

In pursuance of the powers conferred upon them by the above mentioned Act and for the reason set out in the First Schedule hereto, the Council of the County of Cork has by Order dated **05/10/2020** decided to **GRANT Permission** for the development of land namely:

Permission is sought for the following components to the Castletownbere Sewerage Scheme: (A) A new Wastewater Treatment Plant (WWTP) at Drom South TD, with associated and ancillary development works including tanks, kiosks, storage facilities, inlet works, all associated site development works, boundary fencing around the perimeter of the WWTP, a long sea outfall to convey treated discharge effluent from the WWTP to Bere Haven and decommissioning of an existing WWTP at the site; (B) An underground wastewater pump station adjacent to the R572 near Brandyhall Bridge at Derrymihin West TD, including an underground emergency storage tank, valve and flowmeter chambers, manholes, pipework, regrading works, a new access road, new access gate, post and rail perimeter fencing, a control kiosk, a vent stack and the decommissioning of an existing septic tank; (C) Construction of a kiosk structure within the curtilage of St. Peter's Church (a protected structure) Knockaneroe TD, associated with a proposed wastewater pump station in the Quays area; (D) Construction of a kiosk structure associated with a proposed wastewater pump station in the Came Woods area, Cametringane TD

At: Drom South, Derrymihin West, Knockaneroe & Cametringane, Castletownbere, Co. Cork

In accordance with the plans and particulars submitted by the applicant

On: 19/12/2019, as amended on 07/09/2020

And subject to the conditions (24no.) set out in Column 1 of the Second Schedule attached hereto. The reasons for the imposition of the said conditions are set out in Column 2 of the schedule.

An appeal against a decision of the Planning Authority may be made to An Bord Pleanála by any authorised person before the EXPIRATION of the period of FOUR WEEKS beginning on the day of the giving (i.e. Date of Order) of the decision of the Planning Authority. (SEE NOTES ATTACHED).

If there is no appeal against the said decision on expiration of the period, a grant of Permission in accordance with the decision shall be issued as soon as may be, but not earlier than 3 working days after the expiration of the period for the making of an appeal to An Bord Pleanála. It should be noted that until a grant of Permission has been issued the development in question is NOT AUTHORISED.

Signed on behalf of the said Council

*Margaret Corcoran*

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Margaret Corcoran  
Senior Staff Officer

Date: 06/10/2020

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SEE NOTES ATTACHED

**Please note that pursuant to S.34(3) of the Act, the Planning Authority has had regard to submissions or observations received in accordance with these Regulations.**

**In accordance with Article 20, site notice shall be removed on receipt of this notification.**

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## FIRST SCHEDULE

Planning Ref. No. 19/00813

**Having regard to the development plan objectives for the area and the pattern of development in this urban area, it is considered that subject to compliance with conditions attached in the Second Schedule, the proposed development would not seriously injure the amenities of the area and would not be prejudicial to public health and, therefore, would be in accordance with the proper planning and sustainable development of the area.**

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## SECOND SCHEDULE

No.	Condition	Reason
1	The development shall be carried out in accordance with the plans and particulars lodged with the application on the 19th December 2019 as amended by the documents/drawings received by the Planning Authority on the 7th September 2020, except as may otherwise be required in order to comply with the conditions herein.	In the interests of clarity.
2	Within a period of SIX MONTHS from the final grant of permission and BEFORE any development commences, unless save in exceptional circumstances with the prior written agreement of the Planning Authority, Irish Water shall submit a license review application to the Environmental Protection Agency for their prior approval and agreement.	In the interests of the proper and sustainable planning and development for the area.
3	The applicant shall engage the services of a suitably qualified archaeologist with underwater/marine experience, to monitor under licence from the National Monument Service all ground works associated with the outfall. All removed dredged spoil shall be spread in the reclaimed area and metal detected for artefacts bearing potential. Should archaeological material be found during the course of monitoring, the archaeologist may have work on the site stopped, pending a decision as to how best to deal with the archaeology. The developer shall be advised by the Local Authority and the National Monuments Service with regard to any necessary mitigating action. The applicant shall facilitate the archaeologist in recording any material found. The Planning Authority and the National Monuments Service shall be furnished with a report describing the results of the archaeological monitoring.	To ensure the continued preservation of site, features, or other objects of archaeological interest.

4	PRIOR to any construction first commencing a photographic condition survey of roads and footpaths at the L-49341-1 and L-4915-0 roads shall be carried out with copies furnished to the Planning Authority.	To protect public infrastructure.
5	No trees, hedgerows or scrub shall be removed to make way for the development during the breeding season (1st March-30th September) unless with the prior authorization of the National Parks & Wildlife Service.	To prevent disturbance to breeding birds.
6	Apart from the three trees to be felled all other existing trees at Came Woods Pumping Station and kiosk SHALL BE retained and their roots protected from damage during the course of site excavation works by the erection of a 1 metre high fence around the tree or tree group to be retained, at a radius of not less than 3 metres from the trunk of any such tree.	To protect the trees on site from damage during development of the site.
7	The proposed development including the materials, specifications and finished floor level, shall be constructed in accordance with the details as specified on the approved plans and contained within the application received on the 19th December 2019 and 7th September 2020, unless otherwise as may be agreed in writing with the Planning Authority.	In the interests of amenity.
8	The pumping stations shall be anthracite grey colour (RAL 7016) unless otherwise agreed in writing by the Planning Authority.	In the interests of visual amenity.
9	The Came Woods Pumping Station (Drawing Number 303 Rev 03) and Brandy Bridge Pumping Station (Drawing Number 301 Rev 01) shall be landscaped in accordance with the details received by the Planning Authority on the 7th September 2020. The said scheme(s) shall be implemented within the first twelve months following the first use of the pumping station, unless otherwise	In the interests of amenity.

	agreed in writing by the Planning Authority.	
10	All planting shall comply with the specifications of the landscaping scheme agreed and shall be maintained by the developer and if any plant should die it shall be replaced within the next planting season.	In the interests of visual amenity.
11	The submitted landscaping details at St. Peters Church set out in Drawing Number 300 Rev 05 received on the 7th September 2020 is NOT approved. BEFORE any development takes place details of a revised landscaping scheme incorporating more extensive landscaping treatment around the proposed kiosk within the grounds of St. Peter's, shall be submitted to and agreed in writing with the Planning Authority. This shall include, inter alia, a programme for the implementation and maintenance of the scheme.	The submitted scheme is inappropriate and to protect the setting of St. Peter's Church, a protected structure.
12	During demolition and construction the wheels of all trucks shall be washed prior to their exit from the wastewater treatment plant site in a wheel wash facility. Details of the construction, installation and operation of this facility shall be agreed in writing with the Planning Authority prior to commencement of any development.	To safeguard the amenities of the area.
13	PRIOR to any construction work (including site clearance, grading, well boring, levelling etc.) at the proposed development site, appropriate surface water management controls shall be in place to prevent the discharge of sediment contaminated water to adjacent water courses. Unvegetated slopes shall be temporarily scarified during construction to minimise runoff velocities. Controls shall be inspected daily and maintained regularly, and achieve a discharge standard of less than 25mg/l suspended solids.	To prevent water pollution.
14	There shall be no interfering with,	To safeguard the amenities, prevent

	bridging, piping, draining, or culverting of any watercourse, its banks or bankside vegetation to facilitate this development without the prior approval of the Planning Authority.	pollution and/or erosion.
15	All storm water overflows from the pumping stations and wastewater treatment plant shall be screened through a 6mm screen, unless otherwise agreed with the Planning Authority.	To prevent water pollution from foul solids.
16	A wastewater treatment plant shall be provided at the location indicated in plans and particulars which accompanied the application, capable of producing an effluent quality as prescribed by the Environmental Protection Agency. This wastewater treatment plant shall be designed, constructed and operated as to ensure that it avoids causing nuisance through odours or noise.	In the interests of orderly development.
17	Otter survey work shall be completed in accordance with the procedure set out in the EcIA.	To avoid disturbance to Otter, a strictly protected species listed on Annex IV of the Habitats Directive.
18	All works shall take place in accordance with ecological mitigation measures as set out in the Ecological Impact Assessment Report.	In the interests of protection of protected species and/or habitats of high natural value.
19	All works on site shall be implemented in accordance with the CEMP submitted with the planning documentation. The implementation of this plan shall be delegated to a person with appropriate expertise and experience in implementing such plans.	To ensure the protection of the environment.
20	During site project / site works shall be carried out in such a manner that no polluting material enters any watercourse adjacent to or around the site.	To protect the local environment.
21	The draft Waste Management Plan received by the Planning Authority on the 7th September 2020 shall be implemented in full during the construction process and all solid waste arising on the site including; site clearance waste, construction	To protect the local environment.

	waste, demolition waste, rock, etc. shall be recycled as far as possible. Any materials exported from the site for recovery, recycling or disposal shall be managed at an approved licensed waste facility. Adequate on site arrangements shall be made to the satisfaction of the Planning Authority for the storage of recyclable materials prior to collection.	
22	During construction the developer shall provide adequate off carriageway parking facilities within the curtilage of the site for all traffic associated with the proposed development, including delivery and service vehicles/trucks. There shall be no parking along the public road or footpath.	In the interests of road safety and to protect the amenities of the area.
23	No dust, mud or debris from the site shall be carried onto or deposited on the public road/footpath by the developer during the construction phase.	To protect the amenities of the area and in the interests of road safety.
24	The developer shall clean any spillages on the public roads arising from the development, as the need arises or when requested to do so by the Planning Authority.	In the interests of traffic safety.

Consent of copy submitted for information purposes only. No further action required for any other use.

**CORK COUNTY COUNCIL**  
**PLANNING & DEVELOPMENT ACTS 2000 – 2010 AS AMENDED**  
**NOTIFICATION OF DECISION TO GRANT Permission**

Reference No. in Planning Register **19/00814**

Irish Water  
c/o Kevin O'Sullivan  
Arup  
One Albert Quay  
Cork  
T12 X8N6

In pursuance of the powers conferred upon them by the above mentioned Act and for the reason set out in the First Schedule hereto, the Council of the County of Cork has by Order dated **05/10/2020** decided to **GRANT Permission** for the development of land namely:

Permission for a wastewater pump station at Derrymihin West TD. The proposed development would consist of the construction of a proposed underground wastewater pump station at Derrymihin West TD, adjacent to Castletownbere Community Hospital, which would form part of the proposed Castletownbere Sewerage Scheme, comprising an underground wastewater pump station, an underground emergency storage tank, valve and flowmeter chambers, manholes, pipework, regrading works, a new access road, a new access gate, post and rail perimeter fencing, a control kiosk, a vent stack and the decommissioning of an existing septic tank.

At: Derrymihin West TD, Castletownbere Co. Cork

In accordance with the plans and particulars submitted by the applicant

On: 19/12/2019, as amended on 07/09/2020

And subject to the conditions (18no.) set out in Column 1 of the Second Schedule attached hereto. The reasons for the imposition of the said conditions are set out in Column 2 of the schedule.

An appeal against a decision of the Planning Authority may be made to An Bord Pleanála by any authorised person before the EXPIRATION of the period of FOUR WEEKS beginning on the day of the giving (i.e. Date of Order) of the decision of the Planning Authority. (SEE NOTES ATTACHED).

If there is no appeal against the said decision on expiration of the period, a grant of Permission in accordance with the decision shall be issued as soon as may be, but not earlier than 3 working days after the expiration of the period for the making of an appeal to An Bord Pleanála. It should be noted that until a grant of Permission has been issued the development in question is NOT AUTHORISED.

Signed on behalf of the said Council

*Margaret Corcoran*

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Margaret Corcoran  
Senior Staff Officer

Date: 06/10/2020

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SEE NOTES ATTACHED

**Please note that pursuant to S.34(3) of the Act, the Planning Authority has had regard to submissions or observations received in accordance with these Regulations.**

**In accordance with Article 20, site notice shall be removed on receipt of this notification.**

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## FIRST SCHEDULE

Planning Ref. No. 19/00814

**Having regard to the development plan objectives for the area and the pattern of development in this urban area, it is considered that subject to compliance with conditions attached in the Second Schedule, the proposed development would not seriously injure the amenities of the area and would not be prejudicial to public health and, therefore, would be in accordance with the proper planning and sustainable development of the area.**

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## SECOND SCHEDULE

No.	Condition	Reason
1	The development shall be carried out in accordance with the plans and particulars lodged with the application on the 19th December 2019 as amended by the documents/drawings received by the Planning Authority on the 7th September 2020, except as may otherwise be required in order to comply with the conditions herein.	In the interests of clarity.
2	Within a period of SIX MONTHS from the final grant of permission and BEFORE any development commences, unless save in exceptional circumstances with the prior written agreement of the Planning Authority, Irish Water shall submit a license review application to the Environmental Protection Agency for their prior approval and agreement.	In the interests of the proper and sustainable planning and development for the area.
3	PRIOR to the commencement of any development the developer shall engage the services of a suitably qualified archaeologist to monitor under licence from the National Monuments Service of the Department of Culture, Heritage and the Gaeltacht (DCH&G) all ground works associated with the development. No ground works/ construction works /soil stripping shall take place in the absence of the archaeologist. The ground works /removal of topsoil shall be carried out under the direction of the appointed archaeologist. The archaeologist shall make an appropriate record (photographs, sketch section and plans, written description) of all cultural heritage material identified during the monitoring including wall foundation, features and artefacts. In the event that burials or other archaeological material is found during the course of monitoring, the archaeologist shall have work on the site immediately stopped and	In the interests of preserving items of archaeological interest.

	<p>notify the Local Authority Archaeologist and National Monuments Service (DCH&amp;G). All archaeological features/deposits shall be hand-cleaned and clearly visible and no further soil removal shall take place pending a decision as to how best to deal with the archaeology. The developer shall be prepared to be advised by the Local Authority Archaeologist and the National Monuments Service (DCH&amp;G) in regard to any necessary mitigating action (e.g. preservation in situ, or excavation) and allow enough time to facilitate implementation of the agreed mitigation measures. The applicant shall facilitate the archaeologist in recording any material found. The Planning Authority and the National Monuments Service (DCH&amp;G) shall be furnished with a report describing the results of the monitoring.</p>	
4	<p>The development including the materials, specifications and finished floor level, shall be constructed in accordance with the details as specified on the approved plans and contained within the application received on the 19th December 2019 and 7th September 2020, unless otherwise as may be agreed in writing with the Planning Authority.</p>	<p>In the interests of amenity.</p>
5	<p>The pumping station kiosk shall be anthracite grey in colour (RAL 7016) unless otherwise agreed in writing by the Planning Authority.</p>	<p>In the interests of visual amenity.</p>
6	<p>The site shall be landscaped in accordance with the details shown on the Planting Layout Plan being Drawing Number 302 Rev 1 received on the 7th September 2020. The said scheme shall be implemented within the first twelve months following the first operation of the pumping station unless otherwise agreed in writing by the Planning Authority.</p>	<p>In the interests of amenity.</p>
7	<p>All planting shall comply with the specifications of the landscaping</p>	<p>In the interests of visual amenity.</p>

	scheme agreed and shall be maintained by the developer and if any plant should die it shall be replaced within the next planting season.	
8	There shall be no interfering with, bridging, piping, draining, or culverting of any watercourse, its banks or bankside vegetation to facilitate this development without the prior approval of the Planning Authority.	To safeguard the amenities, prevent pollution and/or erosion.
9	The overflow pipe or weir shall be fitted with mechanical self-cleaning screens and baffle plates to retain floating material, debris, etc. within the collection network for subsequent forward pumping. The aperture size of the overflow screen shall comply with the Urban Wastewater Treatment Directive (91/271/EEC), Procedures and Criteria in relation to storm water overflows (DoE, 1993).	To limit water pollution.
10	PRIOR to any construction work (including site clearance, grading, well boring, levelling etc.) at the proposed development site, appropriate surface water management controls shall be in place to prevent the discharge of sediment contaminated water to adjacent water courses. Unvegetated slopes shall be temporarily scarified during construction to minimise runoff velocities. Controls shall be inspected daily and maintained regularly, and achieve a discharge standard of less than 25mg/l suspended solids.	To prevent water pollution.
11	A site specific method statement shall be submitted for prior written approval of the Planning Authority to provide for the decommissioning of the existing septic tank once redundant.	In the interests of safety and orderly development.
12	Existing roadside drainage arrangements shall be preserved to the satisfaction of the Planning Authority.	To preserve proper roadside drainage and to prevent the flooding of the public road.
13	Existing inlets or drains taking surface water from the public road	To prevent flooding of the public road.

	into the site shall be preserved and maintained.	
14	The draft Waste Management Plan received by the Planning Authority on the 7th September 2020 shall be implemented in full during the construction process and all solid waste arising on the site including site clearance waste, demolition waste, construction waste, soil and stone, rock, etc. shall be recycled as far as possible. Any materials exported from the site for recovery, recycling or disposal shall be managed at an approved licensed waste facility. Adequate on site arrangements shall be made to the satisfaction of the Planning Authority for the storage of recyclable materials prior to collection.	To protect the local environment.
15	The draft Waste Management Plan received by the Planning Authority on the 7th September 2020 shall be implemented in full during the construction process and any hazardous or contaminated wastes arising on the site including any asbestos shall be recycled as far as possible or disposed. Materials exported from the site for recovery, recycling or disposal shall be managed at an approved facility. Adequate on site arrangements shall be made to the satisfaction of the Planning Authority for the storage of recyclable materials prior to collection.	To protect the environment.
16	During construction the developer shall provide adequate off carriageway parking facilities within the curtilage of the site for all traffic associated with the proposed development, including delivery and service vehicles/trucks. There shall be no parking along the public road or footpath.	In the interests of road safety and to protect the amenities of the area.
17	No dust, mud or debris from the site shall be carried onto or deposited on the public road/footpath by the developer during the construction phase.	To protect the amenities of the area and in the interests of road safety.
18	The developer shall clean any	In the interests of traffic safety.

	spillages on the public roads arising from the development, as the need arises or when requested to do so by the Planning Authority.	
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PLANNER'S REPORT  
FURTHER INFORMATION ASSESSMENT

APPLICATION NO.	00813/19
APPLICANT	Irish Water
DESCRIPTION	Permission is sought for the following components to the scheme: (A) A new Wastewater Treatment Plant (WWTP) at Drom South TD, with associated and ancillary development works including tanks, kiosks, storage facilities, inlet works, all associated site development works, boundary fencing around the perimeter of the WWTP, a long sea outfall to convey treated discharge effluent from the WWTP to Bere Haven and decommissioning of an existing WWTP at the site; (B) An underground wastewater pump station adjacent to the R572 near Brandyhall Bridge at Derrymihin West TD, including an underground emergency storage tank, valve and flowmeter chambers, manholes, pipework, regrading works, a new access road, new access gate, post and rail perimeter fencing, a control kiosk, a vent stack and the decommissioning of an existing septic tank; (C) Construction of a kiosk structure within the curtilage of St. Peter's Church (a protected structure) Knockaneroe TD, associated with a proposed wastewater pump station in the Quays area; (D) Construction of a kiosk structure associated with a proposed wastewater pump station in the Came Woods area, Cametringane TD
LOCATION	Drom South, Derrymihin West Knockaneroe & Cametringane Castletownbere, Co. Cork
DUE DATE	05/10/2020

### Response to Further Information

This application (Ref 19/00813) for the new primary treatment plant at Drom South and pumping stations and kiosks at Came South and the 'twinned application' (Ref 19/00814) for a pumping station and kiosk close to Brandy Hall Bridge were both deferred on 20<sup>th</sup> February 2020 and a response to both application(s) were received on the 7<sup>th</sup> September 2020, the views of consultees and third parties submitted having been duly taken into consideration. This application for the treatment plant and main part of the development was deferred for seven reasons cited below.

An associated report has today (2<sup>nd</sup> October 2020) also been written on the associated main and 'twinned application' (Ref 19/00814) that has also been recommended for approval subject to conditions.

### Further views of Consultees on application reference 19/00813

**County Engineer** (Original Report dated 18<sup>th</sup> February 2020 and Further Report dated 16<sup>th</sup> September 2020): Recommends **permission** subject to a planning condition requiring the applicant to submit a review of the discharge licence to the EPA within six months of a grant of permission.

**Area Engineer** (Original Report dated 11<sup>th</sup> February 2020 and Further Report dated 1<sup>st</sup> October 2020): Recommends **permission** subject to four conditions advising that the the response for further information regarding the impact of the DAFM Dinish Island infrastructure and breakwater at Cametringane Point is noted The revised and enhanced field analysis shows minimal impact to water quality. This is acceptable. Discussions have taken pace with Irish Water regarding the pumping station at St. Peter's Church and the kiosk at Cametringane and these proposal are satisfactory

**Executive Engineer** (Original Report dated 24<sup>th</sup> January 2020 no Further Report ): **No objection** in principle to the development from a flood-risk perspective.

**Environment Unit** (Original Report dated 6<sup>th</sup> February 2020 and Further Report dated 18<sup>th</sup> September 2020): Recommends **permission** subject to six conditions concluding that:

*“ In respect of development subject to a licence from the EPA, having regard to the functions of Cork County Council as a Planning Authority and the EPA submission dated 21/02/20 where the Agency has undertaken to consider all issues relating to the impact of discharges in any licence review, I have no objection to this development on environmental grounds, subject to the six condition(s) being attached.”*

**Environment Unit** (Original Report dated 19<sup>th</sup> February 2020 and Further Report dated 23<sup>rd</sup> September 2020): Recommends **permission** subject to two conditions advising that the submitted waste management plan is acceptable.

**Country Archaeologist** (Report dated 19<sup>th</sup> February 2020 and 24<sup>th</sup> September 2020) : Recommends **permission** subject to a condition on archaeological underwater monitoring being satisfied with the report on underwater archaeology.

**Conservation Officer** (Original Report dated 18<sup>th</sup> February 2020 and Further Report dated 29<sup>th</sup> September 2020): Recommends **permission** subject to a condition requiring more extensive landscaping treatment around the proposed kiosk within the grounds of St Peter's, former Church of Ireland. Confirms the Architectural Impact Assessment from a qualified architect and notes the response submitted.

**Heritage Unit** (Report dated 19<sup>th</sup> February 2020 and Further Report dated 1<sup>st</sup> February 2020): Recommends **permission** subject to four conditions.

Confirms that the applicants have submitted a Marine Impact Assessment Report as requested which includes an assessment of potential impacts to marine flora and fauna arising from the provision of new wastewater services and identifies potential impacts on intertidal and subtidal habitats and species.

Overall construction works are predicted to be likely to have a moderate short term impact on habitats within the works area and the long term impact of the construction phase is predicted to be negligible.

In terms of Operational impacts increased nutrients arising from the discharges could have the potential to impact negatively on marine communities altering the composition of flora and faunal communities within the zone of influence of the discharge. Modelling indicates that the proposed scheme will not cause any of the EQS threshold in Castletownbere harbour outside the mixing zone to be exceeded. Modelling within the mixing zone indicated that there will be increases in DIN (Dissolved Inorganic Nitrogen), MRP (Molybdate Reactive Phosphorus), total Ammonia and un-ionised Ammonia within the mixing zone at the outfall, but that these increases will be minor. The report predicts that while localised nutrient enrichment will occur that the ecological impact of same within the mixing zone will be negligible.

Is in agreement with the overall findings of the Marine Impact Assessment Report that there will be no significant negative impacts marine habitats and species arising from the development that should thereby provide for an improvement in water quality conditions in Castletownbere Harbour. Also concludes on the basis of the information provided that there are no particularly rare or high conservation value habitats or species were recorded within the potential zone of influence of this development and that the construction of the pipeline will not therefore result in direct negative effects on any such ecological receptors. In relation to

the operational phase, note that no negative effects are predicted outside the mixing zone of the discharge area.

### **Further Assessment**

Specific comments on the seven relevant issues raised in the registered letter dated 20<sup>th</sup> February 2020 are as follows:

- *The standard of wastewater treatment currently proposed may not comply with the requirements of the current EPA discharge licence for the agglomeration. Please clarify and submit details how Irish Water proposes to address this issue with the Environment Protection Agency. Submit any revised details including, if appropriate, a revised EIAR Screening Report, to addresses this issue.*

### **Comment**

It is reminded that the twinned planning application were triggered as the result of enforcement proceedings between the EPA and Irish Water in 2018, as Irish Water had failed to comply with its licence, by providing a new wastewater treatment plant by 31<sup>st</sup> December 2015. The matter of the proposed treatment is extensively addressed in the further report of the County Engineer dated 16<sup>th</sup> September 2020.

Essentially Irish Water has recognised the necessity for new treatment plant at Drom South (Ref 19/00813) and this represents an appropriate level of treatment required by the Urban Wastewater Treatment Directive but will require a revised discharge licence from EPA. They do not therefore propose to revise the EIAR Screening report or Appropriate Assessment report, the reasoned justification advanced being that the design of the treatment plant will not change no amendments to it are required. The discharge licence is a matter for the EPA to consider and should additional treatment be identified, if any, it is for the EPA not the Planning Authority who is the competent body and armed with the powers to deal with this. It is not the role of the Planning Authority to usurp the role of the EPA and dictate the level of treatment that must be prescribed.

The suggested condition by the County Engineer and set out below is wholly appropriate and meets all of the “six tests” of a planning condition. It is also prudent to note although the Regulations require this six month period that “*Irish Water propose to submit the license review application to the EPA shortly after the final grant date and well in advance of the commencement of construction work.*”

- *Uncertainties with regard to proposed discharge upon marine habitats and species within the zone of potential influence.*

### **Comment**

Requested by the Heritage Unit a comprehensive Marine Impact Assessment Report has been submitted. As outlined above this meets with the approval of the heritage Unit (Report dated 1<sup>st</sup> October 2020) the conclusion reached that water quality will be improved and that there are no particularly rare or high habitats or species. The long term impact of the construction phase is predicted to be negligible.



- *Uncertainties with regard to the new DAFM infrastructure associated with Planning Reference 17/637 and the construction of breakwater on the approach to the inner harbour that may have an impact on flows in and around the dispersal field.*

**Comment**

A Modelling Report (two models used) has been submitted at appendix two and the Dinish wharf extension (Ref 17/637) will impact upon the hydrodynamics that in turn will affect dispersion patterns in the harbour and thus water quality. The analysis does however concludes that the discharge from the waste water treatment plant would mean that the European Union Regulations are met and having considered these technical report in detail both the County Engineer and /or Area Engineer do not raise any particular concerns with these findings.

- *Serious concerns on the adverse negative impact of the development upon the integrity and setting of Saint Peters Church a protected structure (RPS ID: 01005) and included on the N.I.A H list under Registration Number 20835019 and the absence of any Architectural Impact Assessment.*

**Comment**

JCA Architects have submitted an Architectural Heritage Impact Assessment. The Conservation Officer report dated 29<sup>th</sup> September 2020 has not objected to the same. But placing a kiosk albeit of limited size within the curtilage of a church and a protected structure is far from ideal to state the obvious.

The submitted assessment has not answered some of the questions raised with regard to alternative site, if any, the possibility of submerging or partial submerging the kiosk but what has been done is to alter the colour to anthracite grey and see to improve the visual sensitivities by landscaping including shrub planting and two trees sycamore (*Acer pseudoplatanus* *Negenia*) and beach (*Fagus sylvatic*). Such trees that grow to at least 25 metres in such a confined space are wholly inappropriate as one could imagine not least once their roots extend into and underneath the kiosk as well as breaking the stone boundary wall in time. It is understood that Irish Water may undertake some other planting outside the site edged red that is for them but given they have no control over such lands a condition cannot be imposed. What is required is a revised and more appropriate landscaping scheme having regard to the location and space available. This can be conditioned.

Given that the kiosk is located in the least conspicuous part of the curtilage to some degrees screened by the new stone wall and that other alternative sites, if any, are not obvious, on balance this is probably the best result that can be achieved.

- *Concerns with regard to the submitted Archaeological Assessment since there is significant potential of underwater archaeology in the area given Castletownbere maritime past and there is no assessment on the impact of the proposed long sea outfall Wastewater Treatment Plant at Drom South with regard to impact on underwater archaeology.*

**Comment**

Extending to some 39 pages with appendices this detailed Underwater Archaeological Assessment dated September 2020 has been studied by the Councils archaeologist who in

a report dated 24<sup>th</sup> September 2020 is in agreement with the findings subject to a monitoring condition. It is of course noted that no archaeological site or features were recorded during the underwater assessments but this could result below sediment level sea bed level and especially given the recorded 150 wrecking events cited at Castletownbere.

- *Uncertainties with the management of waste.*

### **Comment**

A comprehensive “Draft” Waste Management Plan has been submitted which is consider appropriate. A condition on its implementation is recommended. Although stated to be “draft” there is no obvious reason to change it. Public Protection Unit further report dated 23<sup>rd</sup> September 2020 are in agreement.

- *Uncertainties with regard to the landscaping of the site within the curtilage of dwellinghouse close to Brandy Hall Bridge following the “development” works.*

### **Comment**

The development lies within the curtilage of a longstanding dwellinghouse, Brandy Hall Country House, a protected structure (RPS 01102 - N.I.A.M. 20835014) and not too far from Brandy Hall Bridge, also a protected structure. The colour of the kiosk has been changed to anthracite grey and the submitted revised landscaping proposals (Drawing Number 301Rev 01) that see to improve the visual sensitivities are deemed acceptable.

- *The proposed development incorporates the construction of a kiosk structure associated with a proposed wastewater pump station in the Came Woods area. Submit an assessment and mitigation measures to reduce the loss of trees on the site.*

### **Comment**

The colour of the kiosk has been changed to anthracite grey and the submitted revised landscaping proposals (Drawing Number 303 Rev 03) that see to improve the visual sensitivities are deemed acceptable. The number of trees to be felled is three trees with new tree planting 5 trees Sycamore (*Acer pseudoplatanus Negenia*).

## **EIAR Screening Report**

The European Union (Planning and Development) Environmental Impact Assessment) Regulations’ 2018 came into operation on the 1<sup>st</sup> September 2018, and all planning applications required some form of screening, at least preliminary screening for an E.I.A.R in accordance with Article 103 of the Planning and Development Regulations 2001- 2018. Under Schedule 5 Part 1 Class 13 of the Planning and Development Regulations 2001-2018 a waste water treatment plants with a capacity of 15,000 populations would automatically trigger an EIAR but in this case the scheme at Castletownbere fall well short of that population figure.

Never the less the development could be sub threshold in the Article 93, Part 10, Schedule 5 of the of the Planning and Development Regulations 2001-2018 and to this end it is observed that a detailed EIAR screening report has been submitted as part of the application. The view of the

developer and Arup is that “*there is no real likelihood of significant effects on the environment arising from the proposed development and that an EIAR is not required.*”

Given the further information now submitted it is concluded that an EIAR is not required and a screening report is enclosed in the appendix.

### **Appropriate Assessment**

An Ecologic Impact Assessment Report (EcIA) has been submitted by an Environmental Consultant with Arup and Dixon Brosnan that has had regard to various directives and national guidance. The report identified a 15 km starting points making reference to two breeding areas for Chough and also the Fulmar and Peregrine at the Bera Peninsula SPA some 2.3km distance and the Sheeps Head to Toe Head SPA some 11.40 km distant. Direct impacts with these two SPA is not identified and indirect impacts have been ruled out due to the distance and lack of hydrologic pathways.

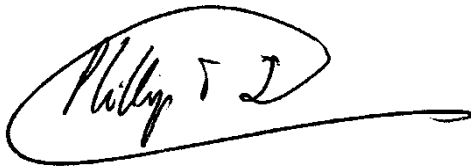
The harbour seal commonly found at the Kenmare river SAC 22 km away and Glengarriff Harbour 30 km distant are also identified. The screening report also noted that “*BereHaven harbour could potentially feed in proximity to the site but they were not recorded during the ecological survey.*” The report has also concluded that “*the water quality of the effluent during the operational phase will be a significant improvement on the existing scenario*” and it would be difficult and indeed improbable to lead to any other conclusions.

In consideration of the matter the Heritage Unit having considered other SAC within 15 km area in agreement that the development would **not** result in any significant and /or cumulative impact on any Natura 2000 site or require any Stage 2 Appropriate Assessment. This development provides for treatment of waste water where there has been none and will therefore provide for an improvement in water quality and that there are no particularly rare or high conservation value habitats or species within the potential zone of influence and the development will not therefore result in direct negative effects on any such ecological receptors. It is for the EPA to license the discharge and set appropriate limits to prevent a deterioration of water quality and the marine environment.

It is concluded that an Appropriate Assessment is not required.

### **Further Recommendation**

Having regard to the original assessment contained in the ‘Planning Report’ and this further ‘Supplementary Report’, together with the views of all consultees, it is recommended that permission should **be GRANTED** in accordance with the conditions set out below.



P. O' Sullivan  
Executive Planner  
2<sup>nd</sup> October 2020

<b>Planning Reference</b>	19/00813	
<b>Development Summary</b>	the following components to the scheme: (A) A new Wastewater Treatment Plant (WWTP) at Drom South TD, with associated and ancillary development works including tanks, kiosks, storage facilities, inlet works, all associated site development works, boundary fencing around the perimeter of the WWTP, a long sea outfall to convey treated discharge effluent from the WWTP to Bere Haven and decommissioning of an existing WWTP at the site; (B) An underground wastewater pump station adjacent to the R572 near Brandyhall Bridge at Derrymihin West TD, including an underground emergency storage tank, valve and flowmeter chambers, manholes, pipework, regrading works, a new access road, new access gate, post and rail perimeter fencing, a control kiosk, a vent stack and the decommissioning of an existing septic tank; (C) Construction of a kiosk structure within the curtilage of St. Peter's Church (a protected structure) Knockaneroe TD, associated with a proposed wastewater pump station in the Quays area; (D) Construction of a kiosk structure associated with a proposed wastewater pump station in the Came Woods area, Cametringane TD	
<b>Examination</b>		
		<b>Yes / No / Uncertain</b>
<b>1.</b> Is the size or nature of the proposed development exceptional in the context of the existing environment?		No
<b>2.</b> Will the development result in the production of any significant waste, or result in significant emissions or pollutants?		No
<b>3.</b> Is the proposed development located on, in, adjoining or have the potential to impact on an ecologically sensitive site or location*?		No
<b>4.</b> Does the proposed development have the potential to affect other significant environmental sensitivities in the area?		No
<b>Comment (if relevant).</b>		
See all reports held on planning file(s) 19/00813 and 19/00814. Irish Water will require a revised discharge licence and the discharge licence is a matter for the EPA to consider should additional treatment be identified, if any.		
<b>Conclusion</b>		

<b>Based on a preliminary examination of the nature, size or location of the development, is there a real likelihood of significant effects on the environment **?</b>			
There is no real likelihood of significant effects on the environment	EIAR not required	Agreed	
There is significant and realistic doubt in regard to the likelihood of significant effects on the environment	Screening Determination required	Yes	
	Sch 7A information submitted?	Yes	No
There is a real likelihood of significant effects on the environment	EIAR is required (Issue notification)		

Phillip O'Sullivan: Area Planner

2<sup>nd</sup> October 2020

### Report of the Senior Executive Planner

I note and endorse the report of the Area Planner.

I also note the inter-departmental reports received on file from the County Engineer, Area Engineer, Senior Executive Scientist and Environment Officer.

This current application seeks permission for a wastewater pump station and associated works etc at Derrymihin West which would form part of the proposed Castletownbere Sewerage Scheme. This report should be read in conjunction with Planning Reference 19/813 in which the applicants 'Irish Water' are seeking permission to construct a new wastewater treatment plant, a series of pumping stations and associated works in Castletownbere.

The Planning Authority requested Further Information on the 20/02/2020 for 1-3 items relating to EPA discharge license, preparation of a waste management plan and landscaping details.

I note the Area Planner's comprehensive assessment of the further information response submitted and recommendation to grant permission.

The Environment Protection Agency (EPA) report received on the 21/02/2020 states that "Pursuant to the provisions of the European Union (Waste Water Directive) Regulations 2007 to 2019, Irish Water current holds a Waste Water Discharge License for the Castletownbere agglomeration (DO297-01). The waste water treatment plant is currently overloaded and in 2018 failed for quality compliance in relation to the

emission limit values specified in the existing licence. The proposed development may require a review of this waste water discharge licence. If a review is required, the Agency will consider all the issues relating to the impact of discharges on the receiving environment in reaching its decision on the application”.

The County Engineer is satisfied that any consideration of the impacts of the discharge from this development will be dealt with through the review of the discharge licence by the EPA and should this require any additional treatment processes the EPA has the statutory powers to require them to be provided. The County Engineer has recommended permission subject to the inclusion of a condition requiring submission to the EPA of a review of the discharge license within six months of a grant of permission which is considered reasonable. I also note the Senior Executive Scientist (Environment) assessment of further information submitted and recommendation to grant permission subject to conditions.

The Area Engineer has raised no issues with the proposal. The Environment Officer has raised no objection to the proposed development subject to conditions. The Council Archaeologist has raised no objection to the proposed development subject to conditions.

The Area Planner has screened out any requirement for an EIAR. I note the Area Planner comments regarding AA screening and in particular that the Council Ecologist has no adverse comments to make on the current application.

The Estates Engineer has raised no objection to the principle of the proposed development from a flood-risk perspective.

Having regard to the nature of the proposed development and the positive inter-departmental and technical reports received on file, I agree with the recommendation of the Area Planner to grant permission for the proposed development subject to conditions.

T Twomey SEP  
05/10/2020

## Conclusion

### Grant Application

## Conditions/Reasons

No.	Condition	Reason
1	The development shall be carried out in accordance with the plans and particulars lodged with the application on the 19th December 2019 as amended by the documents/drawings received by the Planning Authority on the 7th September 2020, except as may otherwise be required in order to comply with the conditions herein.	In the interests of clarity.
2	Within a period of SIX MONTHS from the final grant of permission and BEFORE any development commences, unless save in exceptional circumstances with the prior written agreement of the Planning Authority, Irish Water shall submit a license review application to the Environmental Protection Agency for their prior approval and agreement.	In the interests of the proper and sustainable planning and development for the area.
3	The applicant is required to engage the services of a suitably qualified archaeologist with underwater/marine experience, to monitor under licence from the National Monument Service all ground works associated with the outfall. All removed dredged spoil shall be spread in the reclaimed area and metal detected for artefacts bearing potential. Should archaeological material be found during the course of monitoring, the archaeologist may have work on the site stopped, pending a decision as to how best to deal with the archaeology. The developer shall be advised by the Local Authority and the National Monuments Service with regard to any necessary mitigating action. The applicant shall facilitate the archaeologist in recording any material found. The Planning Authority and the National	To ensure the continued preservation site, features, or other objects of archaeological interest.

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	Monuments Service shall be furnished with a report describing the results of the archaeological monitoring.	
4	PRIOR to any construction first commencing a photographic condition survey of roads and footpaths at the L-49341-1 and L-4915-0 roads shall be carried out with copies furnished to the Planning Authority.	To protect public infrastructure.
5	No trees, hedgerows or scrub shall be removed to make way for the development during the breeding season (1st March-30th September) unless with the prior authorization of the NPWS.	To prevent disturbance to breeding birds.
6	Apart from the three trees to be felled all other existing trees at Camas Woods Pumping Station and kiosk all other trees SHALL BE retained and their roots protected from damage during the course of site excavation works by the erection of a 1 metre high fence around the tree or tree group to be retained, at a radius of not less than 3 metres from the trunk of any such tree.	To protect the trees on site from damage during development of the site.
7	The proposed development including the materials, specifications and finished floor level, shall be constructed in accordance with the details as specified on the approved plans and contained within the application received on the 19th December 2019 and 7th September 2020, unless otherwise as may be agreed in writing with the Planning Authority.	In the interest of amenity.
8	The pumping stations shall be anthracite grey colour (RAL 7016) unless otherwise agreeing writing by the Planning Authority.	In the interests of visual amenity.
9	The Camas Woods Pumping Station (Drawing Number 303 Rev 03) and Brandy Bridge Pumping Station (Drawing Number 301 Rev 01) shall be landscaped in accordance with the details received by the Planning Authority on the 7th September	In the interests of amenity.



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	2020. The said scheme(s) shall be implemented within the first twelve months following the first use of the pumping station, unless otherwise agreed in writing by the Planning Authority.	
10	All planting shall comply with the specifications of the landscaping scheme agreed and shall be maintained by the developer and if any plant should die it shall be replaced within the next planting season.	In the interests of visual amenity.
11	The submitted landscaping details at St Peters Church set out in Drawing Number 300 Rev 05 received on the 7th September 2020 is NOT approved. BEFORE any development takes place details of a revised landscaping scheme incorporating more extensive landscaping treatment around the proposed kiosk within the grounds of St Peter's, shall be submitted to and agreed in writing with the Planning Authority. This shall include, inter alia, a programme for the implementation and maintenance of the scheme.	The submitted scheme is inappropriate and to protect the setting of Saint Perter Church a protected structure.
12	During demolition and construction the wheels of all trucks shall be washed prior to their exit from the wastewater treatment plant site in a wheel wash facility. Details of the construction, installation and operation of this facility shall be agreed in writing with the Planning Authority prior to commencement of any development.	To safeguard the amenities of the area
13	PRIOR to any construction work (including site clearance, grading, well boring, levelling etc.) at the proposed development site, appropriate surface water management controls shall be in place to prevent the discharge of sediment contaminated water to adjacent water courses. Unvegetated slopes shall be temporarily scarified during construction to minimise runoff velocities. Controls shall be	To prevent water pollution.

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	inspected daily and maintained regularly, and achieve a discharge standard of less than 25mg/l suspended solids.	
14	There shall be no interfering with, bridging, piping, draining, or culverting of any watercourse, its banks or bankside vegetation to facilitate this development without the prior approval of the Planning Authority.	To safeguard the amenities, prevent pollution and/or erosion.
15	All storm water overflows from the pumping stations and wastewater treatment plant shall be screened through a 6mm screen, unless otherwise agreed with the Planning Authority.	To prevent water pollution from foul solids
16	A wastewater treatment plant shall be provided at the location indicated in plans and particulars which accompanied the application, capable of producing an effluent quality as prescribed by the Environmental Protection Agency.  This wastewater treatment plant shall be designed, constructed and operated as to ensure that it avoids causing nuisance through odours or noise.	In the interests of orderly development.
17	Otter survey work will be completed in accordance with the procedure set out in the EclA.	To avoid disturbance to Otter, a strictly protected species listed on Annex IV of the Habitats Directive.
18	All works will take place in accordance with ecological mitigation measures as set out in the Ecological Impact Assessment Report.	In the interest of protection of protected species and/or habitats of high natural value.
19	All works on site shall be implemented in accordance with the CEMP submitted with the planning documentation. The implementation of this plan shall be delegated to a person with appropriate expertise and experience in implementing such plans.	To ensure the protection of the environment.
20	During site project / site works shall be carried out in such a manner that no polluting material enters any watercourse adjacent to or around the site.	To protect the local environment.

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21	The draft Waste Management Plan received by the Planning Authority on the 7th September 2020 shall be implemented in full during the construction process and all solid waste arising on the site including; site clearance waste, construction waste, demolition waste, rock, etc. shall be recycled as far as possible. Any materials exported from the site for recovery, recycling or disposal shall be managed at an approved licensed waste facility. Adequate on site arrangements shall be made to the satisfaction of the planning Authority for the storage of recyclable materials prior to collection.	To protect the local environment.
22	During construction the developer shall provide adequate off carriageway parking facilities within the curtilage of the site for all traffic associated with the proposed development, including delivery and service vehicles/trucks. There shall be no parking along the public road or footpath.	In the interests of road safety and to protect the amenities of the area.
23	No dust, mud or debris from the site shall be carried onto or deposited on the public road/footpath by the developer during the construction phase.	To protect the amenities of the area and in the interests of road safety.
24	The developer shall clean any spillages on the public roads arising from the development, as the need arises or when requested to do so by the Planning Authority.	In the interests of traffic safety.




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Tim Twomey

PLANNER'S REPORT  
FURTHER INFORMATION ASSESSMENT

05/10/2020

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PLANNER'S REPORT  
FURTHER INFORMATION ASSESSMENT

APPLICATION NO.	00814/19
APPLICANT	Irish Water
DESCRIPTION	Permission for a wastewater pump station at Derrymihin West TD. The proposed development would consist of the construction of a proposed underground wastewater pump station at Derrymihin West TD, adjacent to Castletownbere Community Hospital, which would form part of the proposed Castletownbere Sewerage Scheme, comprising an underground wastewater pump station, an underground emergency storage tank, valve and flowmeter chambers, manholes, pipework, regrading works, a new access road, a new access gate, post and rail perimeter fencing, a control kiosk, a vent stack and the decommissioning of an existing septic tank.
LOCATION	Derrymihin West TD Castletownbere Co. Cork
DUE DATE	05/10/2020

### Response to Further Information

This application (Ref 19/00814) and the 'twinned application' (Ref 19/00813) for the new primary treatment plant at Drom South and pumping stations and kiosks at Came South were both deferred on 20<sup>th</sup> February 2020 and a response to both application(s) were received on the 7<sup>th</sup> September 2020, the views of consultees and third parties submitted having been duly taken into consideration. This application for the pumping station close to Brandy Bridge was deferred for three reasons for the relating to the current EPA discharge licence, Waste Management and landscaping.

An associated report has today (2<sup>nd</sup> October 2020) also been written on the associated main and 'twinned application' (Ref 19/00813) that has also been recommended for approval subject to conditions.

### Further views of Consultees on application reference 19/00814

**County Engineer** (Original Report dated 18<sup>th</sup> February 2020 and Further Report dated 16<sup>th</sup> September 2020): Recommends **permission** subject to a planning condition requiring the applicant to submit a review of the discharge licence to the EPA within six months of a grant of permission.

**Environment Unit** (Original Report dated 30<sup>th</sup> January 2020 and Further Report dated 15<sup>th</sup> September 2020): **No objections** subject to two conditions regarding recycling and hazardous waste.

**Area Engineer** (Original Report dated 11<sup>th</sup> February 2020 and Further Report dated 1<sup>st</sup> October 2020): Recommends **permission** subject to five conditions stating that there are "no issues with this proposal."

**Executive Engineer** (Original Report dated 24<sup>th</sup> January 2020 no Further Report): **No objection** in principle to the development from a flood-risk perspective.

**Country Archaeologist** (Report dated 19<sup>th</sup> February 2020 No further report): **No objection** subject to a condition on archaeological monitoring.

**Heritage Unit**: No report on this application (Ref 19/00814- see report on 19/00813).

### Further Assessment

Specific comments on the three relevant issues raised in the registered letter dated 20<sup>th</sup> February 2020 are as follows:

1. *The standard of wastewater treatment currently proposed may not comply with the requirements of the current EPA discharge licence for the agglomeration. Please clarify and submit details how Irish Water proposes to address this issue with the Environment Protection Agency. Submit any revised details including, if appropriate, a revised EIAR Screening Report, to addresses this issue.*

### **Comment**

It is reminded that the twinned planning application were triggered as the result of enforcement proceedings between the EPA and Irish Water in 2018, as Irish Water had failed to comply with its licence, by providing a new wastewater treatment plant by 31<sup>st</sup> December 2015. The matter of the proposed treatment is extensively addressed in the further report of the County Engineer dated 16<sup>th</sup> September 2020.

Essentially Irish Water has recognised the necessity for new treatment plant at Drom South (Ref 19/00813) and this represents an appropriate level of treatment required by the Urban Wastewater Treatment Directive but will require a revised discharge licence from EPA. They do not therefore propose to revise the EIAR Screening report or Appropriate Assessment report, the reasoned justification advanced being that the design of the treatment plant will not change no amendments to it are required. The discharge licence is a matter for the EPA to consider and should additional treatment be identified, if any, it is for the EPA not the Planning Authority who is the competent body and armed with the powers to deal with this. It is not the role of the Planning Authority to usurp the role of the EPA and dictate the level of treatment that must be prescribed.

The suggested condition by the County Engineer and set out below is wholly appropriate and meets all of the “six tests” of a planning condition. It is also prudent to note although the Regulations require this six month period that “*Irish Water propose to submit the license review application to the EPA shortly after the final grant date and well in advance of the commencement of construction work.*”

2. *Submit a comprehensive Waste Management for the site and in conjunction with planning application reference 19/813.*

### **Comment**

A comprehensive “Draft” Waste Management Plan has been submitted which is consider appropriate. A condition on its implementation is recommended. Although stated to be “draft” there is no obvious reason to change it.

3. *Submit a detailed planting schedule and timescale for the proposed landscaping of the site.*

### **Comment**

A detailed landscaping scheme (Drawing Number 302 Rev 1) received on the 7<sup>th</sup> September 2020 has been submitted which, together with the retention of the existing planting and vegetation, is satisfactory to minimise the visual impact of the pumping kiosk close to Brandy Bridge protected

structure. This is considered appropriate. A condition, including a timescale, on its implementation is recommended. It is also observed and welcomed that the colour of the kiosk has been changed from “*a standard dark green colour to anthracite grey colour (RAL 7016).*”

### **EIAR Screening Report**

The European Union (Planning and Development) Environmental Impact Assessment Regulations' 2018 came into operation on the 1<sup>st</sup> September 2018, and all planning applications required some form of screening, at least preliminary screening for an E.I.A.R in accordance with Article 103 of the Planning and Development Regulations 2001- 2018. Under Schedule 5 Part 1 Class 13 of the Planning and Development Regulations 2001-2018 a waste water treatment plants with a capacity of 15,000 populations would automatically trigger an EIAR but in this case the scheme at Castletownbere fall well short of that population figure.

Never the less the development could be sub threshold in the Article 93, Part 10, Schedule 5 of the of the Planning and Development Regulations 2001-2018 and to this end it is observed that a detailed EIAR screening report has been submitted as part of the application. The view of the developer and Arup is that “*there is no real likelihood of significant effects on the environment arising from the proposed development and that an EIAR is not required.*”

Given the further information submitted and that the design of the new treatment plant will not be amended it is concluded that an EIAR is not required and a screening report is enclosed in the appendix.

### **Appropriate Assessment**

An Ecologic Impact Assessment Report (EcIA) has been submitted by an Environmental Consultant with Arup and Dixon Brosnan that has had regard to various directives and national guidance. The report identified a 15 km starting points making reference to two breeding areas for Chough and also the Fulmar and Peregrine at the Bera Peninsula SPA some 2.3km distance and the Sheeps Head to Toe Head SPA some 11.40 km distant. Direct impacts with these two SPA is not identified and indirect impacts have been ruled out due to the distance and lack of hydrologic pathways.

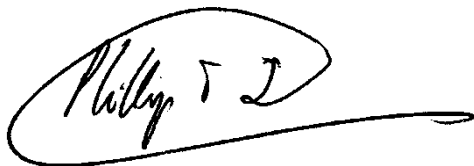
The harbour seal commonly found at the Kenmare river SAC 22 km away and Glengarriff Harbour 30 km distant are also identified. The screening report also noted that “*BereHaven harbour could potentially feed in proximity to the site but they were not recorded during the ecological survey.*” The report has also concluded that “*the water quality of the effluent during the operational phase will be a significant improvement on the existing scenario*” and it would be difficult and indeed improbable to lead to any other conclusions.

In consideration of the matter the Heritage Unit having considered other SAC within 15 km area in agreement that the development would **not** result in any significant and /or cumulative impact on any Natura 2000 site or require any Stage 2 Appropriate Assessment. This development provides for treatment of waste water where there has been none and will therefore provide for an improvement in water quality and that there are no particularly rare or high conservation value habitats or species within the potential zone of influence and the development will not therefore result in direct negative effects on any such ecological receptors. It is for the EPA to license the discharge and set appropriate limits to prevent a deterioration of water quality and the marine environment.

It is concluded that an Appropriate Assessment is not required.

### Further Recommendation

Having regard to the original assessment contained in the 'Planning Report' and this further 'Supplementary Report', together with the views of all consultees, it is recommended that permission should be **GRANTED** in accordance with the conditions set out below.



P. O' Sullivan  
Executive Planner  
2<sup>nd</sup> October 2020

<b>Planning Reference</b>	19/00814	
<b>Development Summary</b>	Permission for a wastewater pump station at Derrymihin West consisting of the construction of a proposed underground wastewater pump station at Derrymihin West adjacent to Castletownbere Community Hospital, which would form part of the proposed Castletownbere Sewerage Scheme,	
<b>Examination</b>		
		<b>Yes / No / Uncertain</b>
<b>1.</b> Is the size or nature of the proposed development exceptional in the context of the existing environment?		No
<b>2.</b> Will the development result in the production of any significant waste, or result in significant emissions or pollutants?		No
<b>3.</b> Is the proposed development located on, in, adjoining or have the potential to impact on an ecologically sensitive site or location*?		No
<b>4.</b> Does the proposed development have the potential to affect other significant environmental sensitivities in the area?		No
<b>Comment (if relevant).</b> See all reports held on planning file(s) 19/00813 and 19/00814. Irish Water will require a revised discharge licence and the discharge licence is a matter for the EPA to consider should additional treatment be identified, if any.		
<b>Conclusion</b>		



<b>Based on a preliminary examination of the nature, size or location of the development, is there a real likelihood of significant effects on the environment **?</b>			
There is no real likelihood of significant effects on the environment	EIAR not required	Agreed	
There is significant and realistic doubt in regard to the likelihood of significant effects on the environment	Screening Determination required	Yes	
	Sch 7A information submitted?	Yes	No
There is a real likelihood of significant effects on the environment	EIAR is required (Issue notification)	No	

Phillip O'Sullivan: Area Planner

2<sup>nd</sup> October 2020

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**Report of the Senior Executive Planner**

I note and endorse the report of the Area Planner.

I also note the inter-departmental reports received on file from the County Engineer, Area Engineer, Senior Executive Scientist and Environment Officer.

This current application seeks permission for a wastewater pump station and associated works etc at Derrymihin West which would form part of the proposed Castletownbere Sewerage Scheme. This report should be read in conjunction with Planning Reference 19/813 in which the applicants 'Irish Water' are seeking permission to construct a new wastewater treatment plant, a series of pumping stations and associated works in Castletownbere.

The Planning Authority requested Further Information on the 20/02/2020 for 1-3 items relating to EPA discharge license, preparation of a waste management plan and landscaping details.

I note the Area Planner's comprehensive assessment of the further information response submitted and recommendation to grant permission.

The Environment Protection Agency (EPA) report received on the 21/02/2020 states that "Pursuant to the provisions of the European Union (Waste Water Directive) Regulations 2007 to 2019, Irish Water current holds a Waste Water Discharge License

for the Castletownbere agglomeration (DO297-01). The waste water treatment plant is currently overloaded and in 2018 failed for quality compliance in relation to the emission limit values specified in the existing licence. The proposed development may require a review of this waste water discharge licence. If a review is required, the Agency will consider all the issues relating to the impact of discharges on the receiving environment in reaching its decision on the application”.

The County Engineer is satisfied that any consideration of the impacts of the discharge from this development will be dealt with through the review of the discharge licence by the EPA and should this require any additional treatment processes the EPA has the statutory powers to require them to be provided. The County Engineer has recommended permission subject to the inclusion of a condition requiring submission to the EPA of a review of the discharge license within six months of a grant of permission which is considered reasonable. I also note the Senior Executive Scientist (Environment) assessment of further information submitted and recommendation to grant permission subject to conditions.

The Area Engineer has raised no issues with the proposal. The Environment Officer has raised no objection to the proposed development subject to conditions. The Council Archaeologist has raised no objection to the proposed development subject to conditions.

The Area Planner has screened out any requirement for an EIAR. I note the Area Planner comments regarding AA screening and in particular that the Council Ecologist has no adverse comments to make on the current application. The Estates Engineer has raised no objection to the principle of the proposed development from a flood-risk perspective.

Having regard to the nature of the proposed development and the positive inter-departmental and technical reports received on file, I agree with the recommendation of the Area Planner to grant permission for the proposed development subject to conditions.

T Twomey SEP  
05/10/2020

## Conclusion

Grant Application

## Conditions/Reasons

PLANNER'S REPORT  
FURTHER INFORMATION ASSESSMENT

No.	Condition	Reason
1	The development shall be carried out in accordance with the plans and particulars lodged with the application on the 19th December 2019 as amended by the documents/drawings received by the Planning Authority on the 7th September 2020, except as may otherwise be required in order to comply with the conditions herein.	In the interests of clarity.
2	Within a period of SIX MONTHS from the final grant of permission and BEFORE any development commences, unless save in exceptional circumstances with the prior written agreement of the Planning Authority, Irish Water shall submit a license review application to the Environmental Protection Agency for their prior approval and agreement.	In the interests of the proper and sustainable planning and development for the area.
3	PRIOR to the commencement of any development the developer shall engage the services of a suitably qualified archaeologist to monitor under licence from the National Monuments Service of the Department of Culture, Heritage and the Gaeltacht (DCH&G) all ground works associated with the development. No ground works/ construction works /soil stripping are to take place in the absence of the archaeologist. The ground works /removal of topsoil shall be carried out under the direction of the appointed archaeologist. The archaeologist shall make an appropriate record (photographs, sketch section & plans, written description) of all cultural heritage material identified during the monitoring including wall foundation, features and artefacts. In the event that burials or other archaeological material is found during the course of monitoring, the archaeologist shall have work on the site immediately stopped and notify the Local Authority	In interest of preserving items of archaeological interest.

PLANNER'S REPORT  
FURTHER INFORMATION ASSESSMENT

	<p>Archaeologist and National Monuments Service (DCH&amp;G). All archaeological features/deposits shall be hand-cleaned and clearly visible and no further soil removal shall take place pending a decision as to how best to deal with the archaeology. The developer shall be prepared to be advised by the Local Authority Archaeologist and the National Monuments Service (DCH&amp;G) in regard to any necessary mitigating action (e.g. preservation in situ, or excavation) and allow enough time to facilitate implementation of the agreed mitigation measures. The applicant shall facilitate the archaeologist in recording any material found. The Planning Authority and the National Monuments Service (DCH&amp;G) shall be furnished with a report describing the results of the monitoring.</p>	
4	<p>The development including the materials, specifications and finished floor level, shall be constructed in accordance with the details as specified on the approved plans and contained within the application received on the 19th December 2019 and 7th September 2020, unless otherwise as may be agreed in writing with the Planning Authority.</p>	In the interest of amenity.
5	<p>The pumping station kiosk shall be anthracite grey in colour (RAL 7016) unless otherwise agreed in writing by the Planning Authority.</p>	In the interests of visual amenity.
6	<p>The site shall be landscaped in accordance with the details shown on the Planting Layout Plan being Drawing Number 302 Rev 1 received on the 7th September 2020. The said scheme shall be implemented within the first twelve months following the first operation of the pumping station unless otherwise agreed in writing by the Planning Authority.</p>	In the interests of amenity.
7	<p>All planting shall comply with the specifications of the landscaping</p>	In the interests of visual amenity.

PLANNER'S REPORT  
FURTHER INFORMATION ASSESSMENT

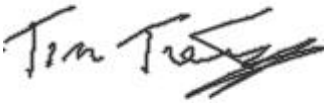
	scheme agreed and shall be maintained by the developer and if any plant should die it shall be replaced within the next planting season.	
8	There shall be no interfering with, bridging, piping, draining, or culverting of any watercourse, its banks or bankside vegetation to facilitate this development without the prior approval of the Planning Authority.	To safeguard the amenities, prevent pollution and/or erosion.
9	The overflow pipe or weir shall be fitted with mechanical self-cleaning screens and baffle plates to retain floating material, debris, etc. within the collection network for subsequent forward pumping. The aperture size of the overflow screen shall comply with the Urban Wastewater Treatment Directive (91/271/EEC), Procedures and Criteria in relation to storm water overflows (DoE, 1993).	To limit water pollution.
10	PRIOR to any construction work (including site clearance, grading, well boring, levelling etc.) at the proposed development site, appropriate surface water management controls shall be in place to prevent the discharge of sediment contaminated water to adjacent water courses. Unvegetated slopes shall be temporarily scarified during construction to minimise runoff velocities. Controls shall be inspected daily and maintained regularly, and achieve a discharge standard of less than 25mg/l suspended solids.	To prevent water pollution.
11	A site specific method statement shall be submitted for prior written approval of the Planning Authority to provide for the decommissioning of the existing septic tank once redundant.	In the interest of safety and orderly development.
12	Existing roadside drainage arrangements shall be preserved to the satisfaction of the Planning Authority.	To preserve proper roadside drainage and to prevent the flooding of the public road.
13	Existing inlets or drains taking	To prevent flooding of the public

PLANNER'S REPORT  
FURTHER INFORMATION ASSESSMENT

	surface water from the public road into the site shall be preserved and maintained.	road.
14	The draft Waste Management Plan received by the Planning Authority on the 7th September 2020 shall be implemented in full during the construction process and all solid waste arising on the site including site clearance waste, demolition waste, construction waste, soil and stone, rock, etc. shall be recycled as far as possible. Any materials exported from the site for recovery, recycling or disposal shall be managed at an approved licensed waste facility. Adequate on site arrangements shall be made to the satisfaction of the Planning Authority for the storage of recyclable materials prior to collection.	To protect the local environment.
15	The draft Waste Management Plan received by the Planning Authority on the 7th September 2020 shall be implemented in full during the construction process and any hazardous or contaminated wastes arising on the site including any asbestos shall be recycled as far as possible or disposed. Materials exported from the site for recovery, recycling or disposal shall be managed at an approved facility. Adequate on site arrangements shall be made to the satisfaction of the Planning Authority for the storage of recyclable materials prior to collection.	To protect the environment.
16	During construction the developer shall provide adequate off carriageway parking facilities within the curtilage of the site for all traffic associated with the proposed development, including delivery and service vehicles/trucks. There shall be no parking along the public road or footpath.	In the interests of road safety and to protect the amenities of the area.
17	No dust, mud or debris from the site shall be carried onto or deposited on the public road/footpath by the developer	To protect the amenities of the area and in the interests of road safety.

PLANNER'S REPORT  
FURTHER INFORMATION ASSESSMENT

	during the construction phase.	
18	The developer shall clean any spillages on the public roads arising from the development, as the need arises or when requested to do so by the Planning Authority.	In the interests of traffic safety.



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Tim Twomey  
05/10/2020

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## SECTION B – GENERAL

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### Attachment B14: SITE NOTICE, LOCATION AND NEWSPAPER NOTICE

- Attachment B.14.a: Castletownbere Site Notice
- Attachment B.14.b: Castletownbere Site Notice Location
- Attachment B.14.c: Castletownbere Newspaper Notice

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**PUBLIC NOTICE**

**APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR THE REVIEW OF THE CASTLETOWNBERE AGGLOMERATION WASTE WATER DISCHARGE LICENCE.**

Pursuant to Regulation 9 of the European Union (Waste Water Discharge) Regulations 2007 to 2020, Irish Water, Colvill House, 24-26 Talbot Street, Dublin 1, intend to apply to the Environmental Protection Agency for the review of the Castletownbere Waste Water Discharge Licence (D0297-01). The waste water works will consist of a new primary wastewater treatment plant to be located at Drom South, 67579E and 45192N, a new primary discharge point discharging to Berehaven Harbour, 5 Dual Function Storm Water/Emergency Overflows and associated sewer network and pumping stations.

Details of the location of these works and associated discharges are as follows:-

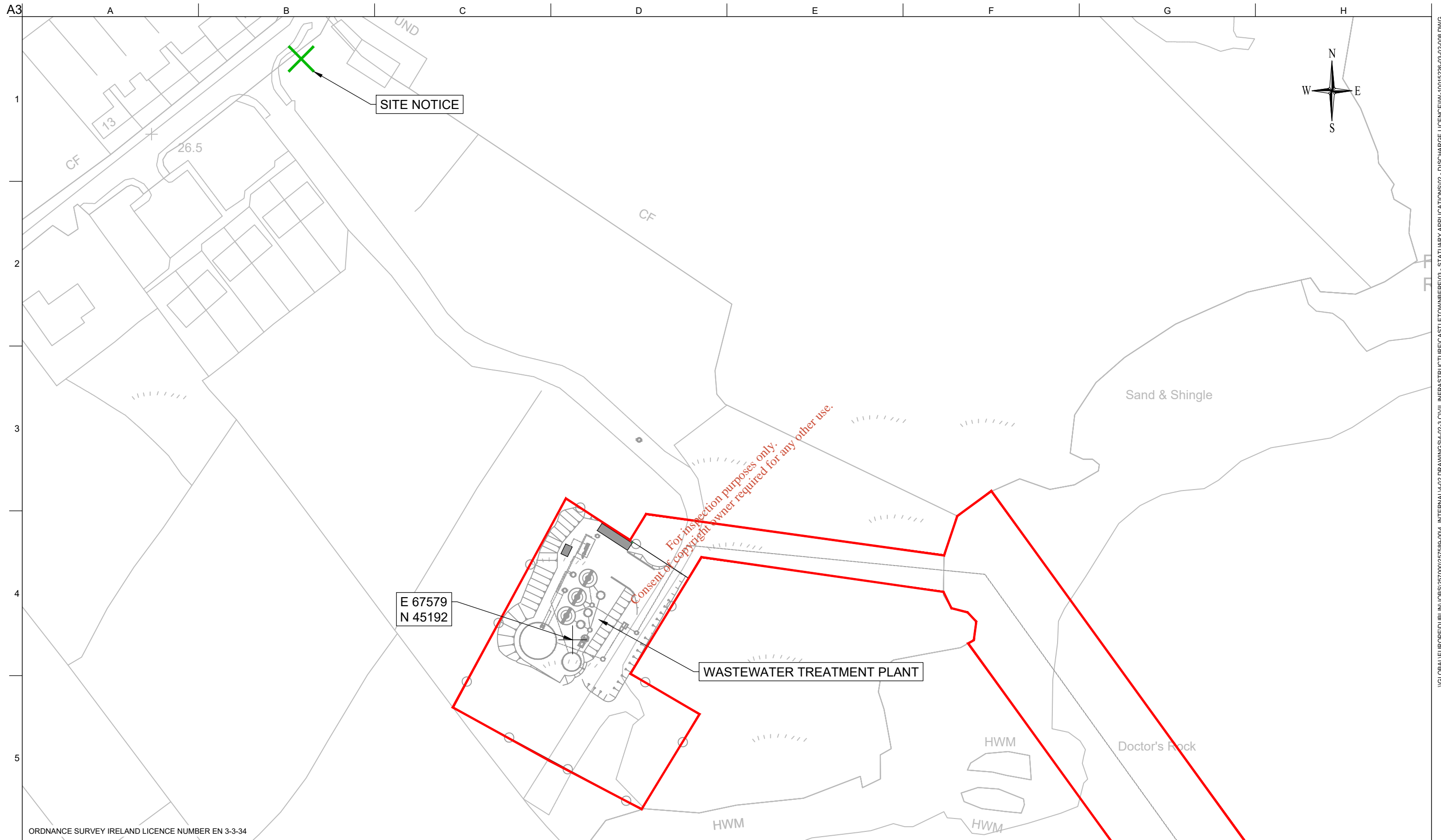
<b>Waste Water Works Item</b>	<b>Location (townland)</b>	<b>National Grid Reference (Discharge location)</b>
Castletownbere Wastewater Treatment Plant	Drom South	67579E 45192N
Primary Discharge Point SW001	Drom South	67756E, 45122N
Dual Function Storm Water/Emergency Overflow (SW002) (Brandyhall Bridge Pumping Station)	Derrymihin West	68347E, 46339N
Dual Function Storm Water/Emergency Overflow (SW003) (Hospital Pumping Station)	Derrymihin West	68625E, 46004N
Dual Function Storm Water/Emergency Overflow (SW004) (Came Woods Pumping Station)	Cametringane	67654E, 45749N
Dual Function Storm Water/Emergency Overflow (SW005) (Quays Pumping Station)	Knockaneroe	67754E, 45853N
Dual Function Storm Water/Emergency Overflow (SW006)	Drom South	67756E, 45122N

A copy of –

- (i) the review application for a waste water discharge licence and
- (ii) such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application

shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at a fee not exceeding the reasonable cost of making a copy, at the headquarters of the Environmental Protection Agency, P.O. Box 3000, Johnstown Castle Estate, Co. Wexford; at Irish Water, Colvill House, 24-26 Talbot Street, Dublin 1; and at Cork County Council, Norton House, Cork Road, Skibbereen, Co. Cork.:

Submissions in relation to the review application may be made to the Environmental Protection Agency at its headquarters at P.O. Box 3000, Johnstown Castle Estate, Co. Wexford, in writing within the period of 5 weeks beginning on the date of receipt by the Agency of the application.



ORDNANCE SURVEY IRELAND LICENCE NUMBER EN 3-3-34

- Legend**
- SITE BOUNDARY
  - X SITE NOTICE

I1	25/03/20	JT	AD	KO'S
Issue	Date	By	Chkd	Appd

Client




Obair i gcomhpháirtíocht  
Working in Partnership

Job Title  
**UTAS - CORK BUNDLE  
CASTLETOWNBERE**

Scale at A3 1:1000@ A3

Discipline  
INFRASTRUCTURE




Drawing Title  
**DISCHARGE LICENCE APPLICATION  
ATTACHMENT B.14  
SITE NOTICE PLAN**

Drawing Status  
**FOR INFORMATION**

Job No <b>IW-10015226</b>	Drawing No <b>03-02-008</b>	Issue <b>11</b>
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Anniversaries

COFFEY  
Braghna, Desertsrergs.  
100th Anniversary



In loving memory of brothers Timothy aged 22, and James aged 24. Died 14th February, 1921. Lovingly remembered by their family.

CATHERINE HAYES  
O'DONOVAN  
4 Cahernore, Rosscarbery.  
4th Anniversary



In loving memory of Catherine Hayes O'Donovan, who died on 13th February, 2017. We miss your smile, Your joking ways, We miss the things you used to say. And when old times we recall, It's then we miss you most of all. Sadly missed by Seán, Rebecca, Nicole, Kit, John, Maria, Derek, nephews, niece and extended family.

RAYMOND LYONS  
Prospect Lawn, Dunmanway.  
12th Anniversary



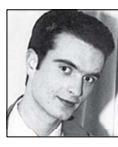
Cherished memories of Raymond whose twelfth anniversary occurs on February 11th. You live in our hearts, You walk by our side, And from Heaven above, You are always our guide. So sadly missed by your loving wife and family.

JAMES HENNESSY  
The Malt House, Ballinac. Second Anniversary



In loving memory of James, who died on February 15th, 2019. Loved with a love beyond all telling, Missed with a grief beyond all tears. Tessa and family.

ROB LYNCH  
Shannon and Bantry. 16th February



Time slips by, all of thirty years. Rob, you are always here. From your loving family. Always remembered.

MARGARET O'NEILL  
(NEE HOURIHANE)  
Knockavoher, Leap. Fifth Anniversary



In loving memory of our dear Mother. Time changes nothing as we miss you as much as the day you left. Often, we lie awake at night when the world is fast asleep, And take a walk down memory lane with you. You did so many things for us, Your heart was so kind and true. When we needed someone, We could always count on you. Loyal and true to family you were to the end. Will always be grateful to have a Mother like you. No one can ever take your place. No day dawns and no day ends without a thought of you. Mum we know you would be here today. If Heaven was not so far away, You may be out of sight. We may be world's apart, But you will always be in our prayers and forever in our hearts. Your memories forever remain a blessing to us all. Rest Peacefully in Heaven Dear Mum. Fondly remembered by your loving family and friends. Will those who think of Margaret today, A little prayer to Jesus say.

PADDY MURPHY  
Cahirinontem, Kealkil, Bantry, Co. Cork. 2nd Anniversary



You were a Dad who was so special, Who was loved so very much, And brought so much happiness, To the many hearts you touched. You were always kind and caring, And so understanding too, And if help was ever needed, It so freely came from you. Now you dwell among the angels, And left us much too soon. There's a place in our heart no one can fill, We miss you dad and always will. Remembered by your loving family.

OLIVIA MACHATA  
(NEE CLARKIN)  
Belvedere, London, Nitra, Slovakia, Gurteen, Bantry. 3rd Anniversary



OUR DEARLY LOVED  
Livi  
Died 11th February, 2018  
May perpetual light shine upon her, Forever dearly loved, Forever sadly missed. Remembered Always.

MARY O'MAHONY  
Cappaboy North, Kealkil. Who died on February 14th, 2012



"You left us beautiful memories, Your love is still our guide, And though we cannot see you, You are always by our side". Fondly remembered by your loving husband Den and family. Until we meet again.

ALLEN  
17th Anniversary



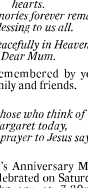
In loving memory of Freda Allen, Toomore, Goleen, who died on February 23rd, 2008. We think about you often, We talk about you still, You haven't been forgotten, By us you never will. Always loved and remembered by your loving family.

SEAN WALSH  
Leap. Fourth Anniversary February 14th, 2017



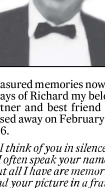
Always in our thoughts and prayers - Ann, Liam, Sinead, Tom, Jamie and Ella.

RICHARD (DICK) KINGSTON  
Ardkitt East, Ballinac. Fifth Anniversary



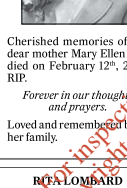
Treasured memories now and always of Richard my beloved partner and best friend who passed away on February 13th, 2016. I think of you in silence, I often speak your name, But all I have are memories, And your picture in a frame. Your resting place is still, And put flowers there with care, But no one knows the heartbeat, As I turn and leave you there. Your loving partner Nora Lordan.

DANNY O'SULLIVAN  
Knocknagappul, Castletreke, Clonakilly. 8th Anniversary February 10th, 2013



Cherished memories of our dear mother Mary Ellen who died on February 12th, 2016. RIP. Forever in our thoughts and prayers. Loved and remembered by all her family.

MARY ELLEN O'SULLIVAN  
Hollyhill, Ballinac. 5th Anniversary



Will those who think of Danny today, A little prayer to Jesus say. Sadly missed by his loving wife Sheila and daughters Aine, Elaine and Karen and grandson Kian.

HARRY WILLIAMSON  
Knocknagurane, Bandon, and Ballyhooley, Co. Cork. 18th Anniversary



Will those who think of him today, A little prayer to Jesus say. Rest in Peace.

Plannings

Cork County Council: Brian and Alison Lewick intend to apply for the following at their existing dwelling, "Frogs Pad", Kilmattora, Youghal, Co. Cork, P26 E262: (a) Permission for Retention of single-storey rear extension and four domestic/garden outbuildings (b) Planning Permission for replacement of existing septic tank system with new wastewater treatment system and distribution bed, (c) Planning Permission for internal alterations to existing house with associated elevation alterations including changes to existing window and door openings and forming new openings including on south (front) elevation, new bay entrance, construction of new cinder porch, patio door and pergola and (d) Planning Permission for all associated site works. The Planning Application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy of the application at the offices of the Planning Authority during its public opening hours and a submission or observation in relation to the application may be made to the Authority in writing on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt by the Authority of the application.

Public Notice

Cork County Council: P.M.C. Architectural Design & Planning Consultants, West Green, Dunmanway, Tel: 023 8855707 Intends to apply for planning permission to demolish existing rear extension to existing dwelling and permission to (A) Construct a new extension to rear of dwelling (B) Construct a porch to front of dwelling (C) Construct a detached domestic garage all at Shanagh, Dunmanway, Co. Cork on behalf of Raf Lejeune. The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy of the application at the offices of the Planning Authority, Norton House, Skibbereen, Co. Cork during its public opening hours, i.e. 9.00am to 4.00pm, Monday to Friday (excluding public holidays) and a submission or observation in relation to the application may be made to the Authority in writing on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt by the Planning Authority of the application.

Public Notice

P.M.C. Architectural Design & Planning Consultants, West Green, Dunmanway, Tel: 023 8855707 Intends to apply for planning permission for the retention of (A) Extension to the front of existing dwelling (B) garage ex-

Planning Authority during its public opening hours and a submission or observation in relation to the application may be made to the Authority in writing on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt by the Authority of the application.

Plannings

Cork County Council: The Board of Management of Pobalscoil na Tríonóide intend to apply for Permission to (a) construct a new all-weather synthetic flooded playing pitch, (b) erect floodlighting around the perimeter of the proposed playing pitch, (c) erect a new all-weather synthetic fenced playing pitch, (d) construct associated site works at Parkmountain, Youghal, Co. Cork, P26 3783. The Planning Application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy of the application at the offices of the Planning Authority during its public opening hours and a submission or observation in relation to the application may be made to the Authority in writing on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt by the Authority of the application.

Plannings

Cork County Council: L. Eithne McSweneey, intend to apply for permission to construct an Agricultural Machinery Storage Shed, Calliow, Dungsred, Creams underground solid water tank and associated site works at Gornahoughtee, Inchigeela, Macroom, Co. Cork. The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy of the application at the offices of the Planning Authority during its public opening hours, i.e. 9.00am to 4.00pm, Monday to Friday (excluding public holidays). A submission or observation in relation to the application may be made in writing to the Planning Authority on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt by the Authority of the application, and such submissions and observations will be considered by the planning authority in making a decision on the application. The planning authority may grant permission subject to or without conditions, or may refuse to grant permission.

Plannings

Cork County Council: P.M.C. Architectural Design & Planning Consultants, West Green, Dunmanway, Tel: 023 8855707 Intends to apply for planning permission to demolish existing rear extension to existing dwelling and permission to (A) Construct a new extension to rear of dwelling (B) Construct a porch to front of dwelling (C) Construct a detached domestic garage all at Shanagh, Dunmanway, Co. Cork on behalf of Raf Lejeune. The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy of the application at the offices of the Planning Authority, Norton House, Skibbereen, Co. Cork during its public opening hours, i.e. 9.00am to 4.00pm, Monday to Friday (excluding public holidays) and a submission or observation in relation to the application may be made to the Authority in writing on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt by the Planning Authority of the application.

Plannings

Cork County Council: P.M.C. Architectural Design & Planning Consultants, West Green, Dunmanway, Tel: 023 8855707 Intends to apply for planning permission for the retention of (A) Extension to the front of existing dwelling (B) garage ex-

ension to existing outbuildings (C) change of use of existing building to a self-contained dwelling ancillary to the main dwelling under planning permission. Drinahigh, Co. Cork on behalf of Harry Monks. The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy of the application at the offices of the Planning Authority, Norton House, Skibbereen, Co. Cork during its public opening hours, i.e. 9.00am to 4.00pm, Monday to Friday (excluding public holidays) and a submission or observation in relation to the application may be made to the Authority in writing on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt by the Planning Authority of the application.

Cork County Council: P.M.C. Architectural Design & Planning Consultants, West Green, Dunmanway, Tel: 023 8855707 Intends to apply for planning permission to demolish existing temporary dwelling as a permanent dwelling previously granted under planning permission. Drinahigh, Co. Cork on behalf of Marie Carolan. The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy of the application at the offices of the Planning Authority during its public opening hours, i.e. 9.00am to 4.00pm, Monday to Friday (excluding public holidays) and a submission or observation in relation to the application may be made to the Authority in writing on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt by the Planning Authority of the application.

Cork County Council: Shane Donnelly is applying for retention and completion of a change of house type from a detached Under planning ref:20-046668 all other aspects of the original grant of permission under planning permission. At Ballybutler, Ladiesbridge Co. Cork. This planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy of the application at the offices of the Planning Authority, County Hall, Carrigrohane Road, Cork during its public opening hours, i.e. 9.00am to 4.00 p.m. Monday to Friday (excluding public holidays). A submission or observation in relation to the application may be made to the Authority in writing to the Planning Authority on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt by the Authority of the application, and such submissions and observations will be considered by the planning authority in making a decision on the application. The planning authority may grant permission subject to or without conditions, or may refuse to grant permission.

Cork County Council: Waterville Farm Limited intends to apply for permission to construct a cattle house with four no slatted slurry tanks, walled silo, three no concrete aprons, cattle handling yard with cattle crush, and carry out associated site works at Clonkeena More, Timoleague, Bandon, Co. Cork. The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy of the application at the offices of the Planning Authority, County Hall, Carrigrohane Road, Cork during its public opening hours, i.e. 9.00am to 4.00pm, Monday to Friday (excluding public holidays) and a submission or observation in relation to the application may be made to the Authority in writing on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt by the Authority of the application.

PUBLIC NOTICE

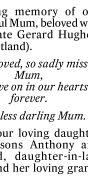
APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR THE REVIEW OF THE CASTLETOWNBREA AGGLOMERATION WASTE WATER DISCHARGE LICENCE. Pursuant to Regulation 9 of the European Union (Waste Water Discharge) Regulations 2007 to 2020, Irish Water, Colville House, 24-26 Talbot Street, Dublin 1, intend to apply to the Environmental Protection Agency for the review of the Castle Townbrea Waste Water Discharge Licence (D0297-01). The waste water works will consist of a new primary wastewater treatment plant to be located at Drom South, 6759E and 45192N, a new primary discharge point discharging to Berehaven Harbour, 5 Dual Function Storm Water/Emergency Overflows and associated sewer network and pumping stations. Details of the location of these works and associated discharges are as follows:

Waste Water Works Item	Location (townland)	National Grid Reference (Discharge location)
Castle Townbrea Wastewater Treatment Plant	Drom South	67579E 45192N
Primary Discharge Point SW001	Drom South	67756E, 45122N
Dual Function Storm Water/Emergency Overflow (SW002) (Brandyhall Bridge Pumping Station)	Derryimhlin West	68347E, 46339N
Dual Function Storm Water/Emergency Overflow (SW003) (Hospital Pumping Station)	Derryimhlin West	68625E, 46004N
Dual Function Storm Water/Emergency Overflow (SW004) (Came Woods Pumping Station)	Comertrineage	67654E, 45749N
Dual Function Storm Water/Emergency Overflow (SW005) (Quays Pumping Station)	Knockanaroo	67754E, 45853N
Dual Function Storm Water/Emergency Overflow (SW006)	Drom South	67756E, 45122N

A copy of - (i) the review application for a waste water discharge licence and (ii) such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at a fee not exceeding the reasonable cost of making a copy, at the headquarters of the Environmental Protection Agency, P.O. Box 3000, Johnston Castle Estate, Co. Wexford; or Irish Water, Colville House, 24-26 Talbot Street, Dublin 1; and at Cork County Council, Norton House, Cork Road, Skibbereen, Co. Cork.

Submissions in relation to the review application may be made to the Environmental Protection Agency at its headquarters at P.O. Box 3000, Johnston Castle Estate, Co. Wexford, in writing within the period of 5 weeks beginning on the date of receipt by the Agency of the application.

PAULINE HUGHES  
(NEE O'LEARY)  
Livingston, Scotland. Formerly of Kinsale & Clonakilly. First Anniversary 17th February



In loving memory of our wonderful Mum, beloved wife of the late Gerard Hughes, RIP (Scotland). Dearly loved, so sadly missed Mum, You live in our hearts forever. God bless darling Mum. From your loving daughter Derna, sons Anthony and Leonard, daughter-in-law Linda and her loving grandsons.

BRENDAN O'REGAN  
Dunmore, Rowry Glen, Rosscarbery. 4th Anniversary 14/02/2017



DAD. I think of you in silence, I often speak your name, All I have are memories, And your picture in a frame. Sadly missed and loved always Noel and Annmarie. GRANDDAD. In our hearts you will always stay. Lots of love, Your granddaughter Emma.

JO COAKLEY  
Chapel Street, Dunmanway 22nd Anniversary



In loving memory of Jo whose anniversary occurs on February 17th. 'Days will pass and turn into years, But we will always remember you with silent tears' Always remembered by your husband Con and family.

HAYES  
22nd Anniversary



In loving memory of Theresa Williams, Bishopstown and Glendore, whose anniversary occurs on Monday, 10th February. May She Rest in Peace. Lovingly remembered by Sheila, Michael and Margaret.

WILLIAMS  
11th Anniversary



In loving memory of Theresa Williams, Bishopstown and Glendore, whose anniversary occurs on Monday, 10th February. May She Rest in Peace. Lovingly remembered by Sheila, Michael and Margaret.

DEASY  
14/02/1976



Remembering our Mam, Molly Dessy Ballybricket East, Dunmanway, whose anniversary occurs at this time. Margaret, Denis, Michael, Sheila, their families and grandchildren in Reading and Scotland.

KITTY O'MAHONY  
Dreencacreenig, Drimoleague. 7th Anniversary



In loving memory of our dear mother and grandmother who passed away on February 15th, 2014. "Always in our thoughts and prayers". Remembered by your loving family.

SHEILA O'SULLIVAN  
Dreency, Skibbereen.



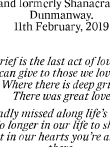
In loving memory of Sheila who died on February 9th, 2013. You live in our hearts, You walk by our side, And from Heaven above, You are always our guide. Lovingly remembered by all her family.

MARY HARRINGTON  
Cooryleary, Coomhola.



In loving memory of Mary Harrington, Cooryleary, Coomhola, whose 23rd anniversary occurs on February 13th. Time slips by, life goes on, But from our hearts, You are never gone. Always remembered by your family.

LILLY HURLEY  
(NEE O'LEARY)  
Chapel St., Dunmanway and formerly Shanacran. Dunmanway. 11th February, 2019



Grief is the last act of love we can give to those we loved, Where there is deep grief, There was great love. Sadly missed along life's way. No longer in our life to share, But in our hearts you're always there. Missed every day by family and friends. RIP

## SECTION B – GENERAL

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### Attachment B17: FORESHORE LICENCE

- Attachment B.17: Castletownbere Foreshore Licence

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MEMORANDUM OF AGREEMENT made the 26<sup>th</sup> day of May 1989

BETWEEN THE MINISTER FOR THE MARINE (hereinafter

called "the Minister") of the one part and CORK COUNCIL of Kent Street, Clonakilty in the County of Cork (hereinafter called "the Licensee") of the other

part WHEREAS the Licensee has applied to the Minister for a Licence to use and occupy that part of the foreshore at Castletownbere in the County of Cork more particularly delineated on the map annexed hereto and thereon coloured red for the purpose of laying, using and maintaining a sewage effluent outfall pipe.

AND WHEREAS the Minister in exercise of the powers vested in him by Section 3 of the Foreshore Act, 1933 and with the consent of the Minister of Finance hereby grants to the Licensee licence to use and occupy the said part of the foreshore on the terms and conditions following:-

1. This licence shall remain in force for the term of 35 years from the date hereof except as hereinafter provided.
2. The Licensee shall pay to the Minister through the Superintendent of the Mercantile Marine Office at 27 Eden Quay, Dublin, the annual sum of £30.00 for the first five years hereof and thereafter such annual sum as shall be payable under the terms hereof such payments to be made on the 1st day of *May* in every year during the continuance of this Licence the first of such payments to be

made on the signing hereof in respect of the period ending the 30<sup>th</sup> day of April, 1990

3. At the expiration of the first five years of the Licence hereby granted and of every period of five years thereafter (hereinafter called the Review Date) the Minister shall have the right to review the annual sum for the time being payable hereunder on giving to the Licensee three months notice in writing prior to such Review Date of his intention so to do and if the Minister shall give to the Licensee such notice as aforesaid then from and after such Review Date the annual sum payable in respect of that part of the foreshore hereby licensed for the respective term following such Review Date shall be the greater of:-
- (a) the sum payable immediately prior to the review date.
  - (b) the full open market value for rent at the Review Date which shall be such a yearly amount as shall be agreed between the Minister and the Licensee having taken into account in determining same in addition to all other relevant factors any increase in value of coastal lands or foreshore in the vicinity.
  - (c) the increased value to the Licensee of the premises licensed.
4. The revised annual sum payable as aforesaid in

respect of any of the periods herein mentioned may be agreed at any time between the Minister and the Licensee or (in the absence of agreement) be determined not earlier than the date of commencement of such period (the Review Date) by an Arbitrator such Arbitrator to be nominated (in the absence of agreement between the parties) upon the application of either the Minister or the Licensee by the President or other Officer endowed with the functions of such President of the Society of Chartered Surveyors in the Republic of Ireland and the decision of such Arbitrator shall be final and conclusive and all such arbitrations shall be conducted in accordance with the provisions set forth in the Arbitration Act, 1954 or in any Act or Statutory Rule or Order extending, amending, modifying or replacing the same and for the time being in force.

5. The Licensee shall use that part of the foreshore the subject matter of this Licence for the purpose of laying using and maintaining a sewage effluent outfall pipe and for no other purpose whatsoever.
6. The Licensee shall at all times during the continuance of this Licence keep the said outfall pipe in a good and proper state of repair and condition to the satisfaction of the Minister and ensure that it will not be injurious to navigation, the adjacent lands or the public

interest.

7. The Licensee shall cause the said outfall pipe to discharge below the low water mark at all times and shall ensure that all care is taken in the design of the said outfall pipe so that there will be no seepage of effluent to the foreshore.
8. The Licensee shall cause the said outfall pipe to be properly encased in the interests of visual amenity.
9. The Licensee shall indemnify and keep indemnified the State and the Minister their officers, agents and employees against all actions, loss, claims, damages, costs, expenses and demands arising in any manner whatsoever in connection with the construction maintenance or user of the said outfall pipe or in the exercise of the permission hereby granted.
10. In the event of the breach non-performance or non-observance by the Licensee of any of the conditions herein contained the Minister may forthwith terminate this licence by giving to the Licensee three months previous notice in writing beginning on any day and upon termination of such notice the licence and permission hereby granted shall be deemed revoked and withdrawn without liability for the payment of any compensation by the Minister to the Licensee and the Licensee shall if so required by the Minister within three



months after receipt of such notice or on determination of this licence from any other cause at its own expense remove the said outfall pipe and restore the foreshore to its former condition to the satisfaction of the Minister and if the Licensee refuses or fails to do so the Minister may cause the said outfall pipe to be removed and shall be entitled to be paid by and to recover from the Licensee as a civil debt due to the State all costs and expenses incurred by him in connection with such removal and restoration.

11. Any notice to be given by the Minister may be transmitted through the Post Office addressed to the Licensee at its last known address.

IN WITNESS whereof the Minister and the Licensees have caused their respective Seals to be hereunto affixed the day year first herein WRITTEN.

PRESENT when the Seal of  
office of the MINISTER FOR  
THE MARINE was affixed and  
was authenticated by the  
Signature of:

DECLAN DOYLE

L.S

Declan Doyle

A person authorised  
under Section 15(1)  
of the Ministers and  
Secretaries Act 1924  
to authenticate the  
seal of the Minister.

MEMORANDUM OF RECORDING OF RENT REVIEW

By this MEMORANDUM dated the 8<sup>th</sup> day of June 1995,  
THE MINISTER FOR THE MARINE as Successor in Title to the within  
named Minister of the One Part and CORK COUNTY COUNCIL as Lessee  
to the Other Part

DESIRE TO RECORD that the rent payable under Lease made the 26th  
May 1989 between the aforesaid Minister and aforesaid Lessee and  
relating to an area of foreshore at Castletownbere, Co. Cork has  
been reviewed under the provisions thereof and the total annual  
rent of £250 is payable as of and from the 1st May 1995.

SIGNED on behalf of the )  
Minister for the Marine )  
in the presence of:- )

NAME Conceita Henchy )

ADDRESS Dept. of the Marine )

Leeson Lane )

Dublin 2. )

OCCUPATION Civil Servant )

SIGNED on behalf of the )

Lessee in the presence of )

**Cork County Council**  
Old Mill, Kent Street,  
Clonakilty

DAVID A. DALY  
ADMINISTRATIVE OFFICER

FEOGME C. O' SULLIVAN  
STAFF OFFICER

*Philip Mc Mahon*

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THE MINISTER FOR THE MARITIME

One P

- AND -

CORK COUNTY COUNCIL

Other Pa

900

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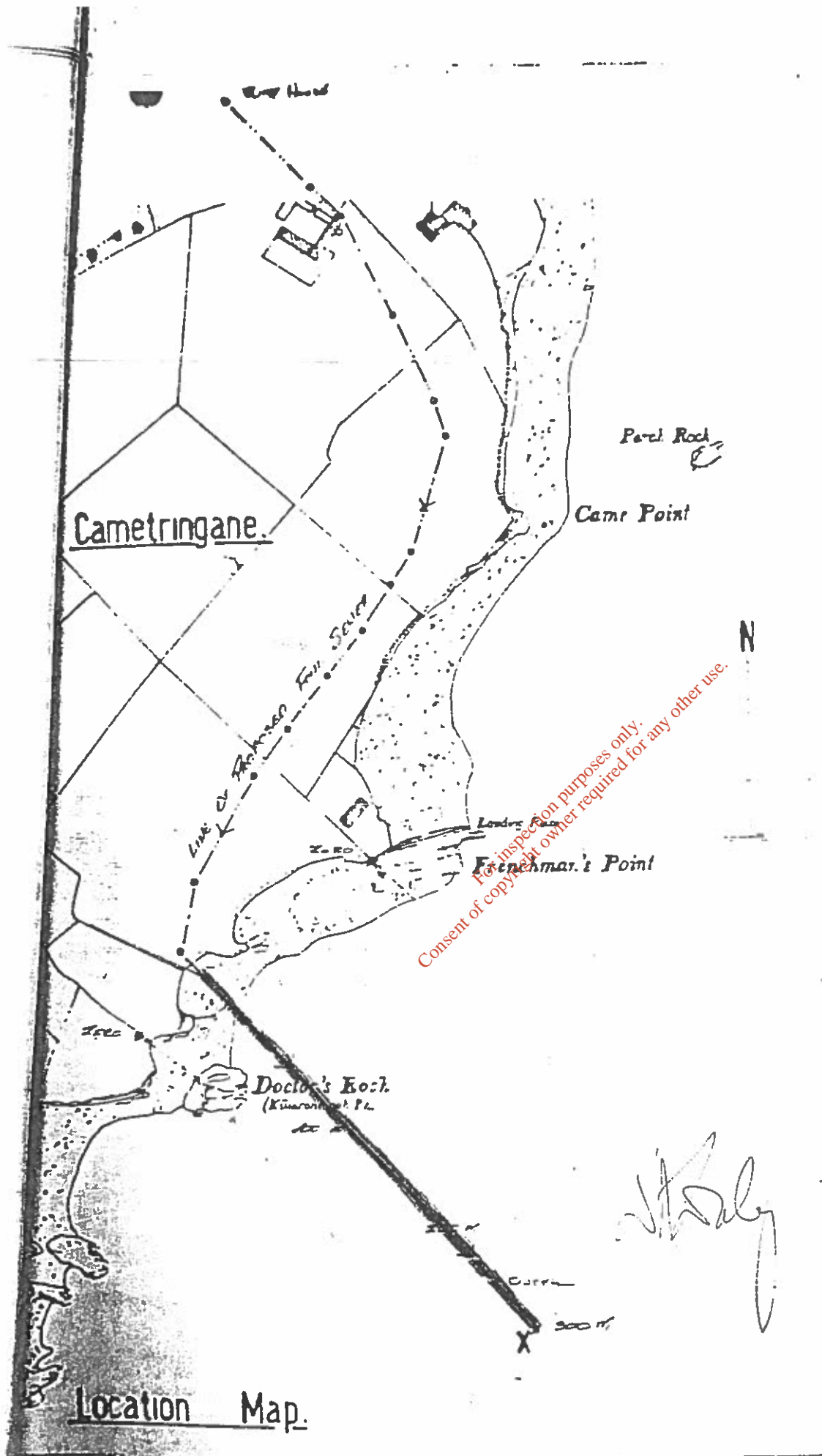
L I C E N C E

LOUIS J. DOCKERY,  
CHIEF STATE SOLICITOR,  
DUBLIN CASTLE,  
DUBLIN 2.

LAF/6509/C

"Page 7 of 7"

/GM



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*Handwritten signature*

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 59

Location Map.

## **SECTION C – DISCHARGES & MONITORING**

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### **Attachment C.1: AMBIENT MONITORING & OUTFALL LONGITUDINAL**

- **Attachment C.1.a: Castletownbere Ambient Monitoring Locations and data**
- **Attachment C.1.b: Castletownbere Outfall Longitudinal Section**

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Monitoring Station Locations



(mapping taken from <https://gis.epa.ie/EPAMaps/>)

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Monitoring Station Code	Sample Code	Sample Date	Parameter Name	Parameter Unit Short Code	Limit Of Detection	Report Result	Report Text Result
CW05003196BV1001	1300757	14/02/2013 00:00	Ammonia-Total (as N)	mg/l	0.01	0.025	
CW05003196BV1001	1300756	14/02/2013 00:00	Ammonia-Total (as N)	mg/l	0.01	0.019	
CW05003196BV1001	1302923	30/05/2013 00:00	Ammonia-Total (as N)	mg/l	0.01	0.02	
CW05003196BV1001	1302922	30/05/2013 00:00	Ammonia-Total (as N)	mg/l	0.01	0.015	
CW05003196BV1001	1304132	18/07/2013 00:00	Ammonia-Total (as N)	mg/l	0.01	0.06	
CW05003196BV1001	1304133	18/07/2013 00:00	Ammonia-Total (as N)	mg/l	0.01	0.032	
CW05003196BV1001	1304741	22/08/2013 00:00	Ammonia-Total (as N)	mg/l	0.01	0.022	
CW05003196BV1001	1304742	22/08/2013 00:00	Ammonia-Total (as N)	mg/l	0.01	0.018	
CW05003196BV1001	16-02025	02/02/2016 09:44	Ammonia-Total (as N)	mg/l	0.01	0.028	
CW05003196BV1001	16-02026	02/02/2016 09:55	Ammonia-Total (as N)	mg/l	0.01	0.029	
CW05003196BV1001	16-07378	17/05/2016 09:40	Ammonia-Total (as N)	mg/l	0.01	0.04	
CW05003196BV1001	16-07377	17/05/2016 09:40	Ammonia-Total (as N)	mg/l	0.01	0.052	
CW05003196BV1001	16-11033	05/07/2016 08:32	Ammonia-Total (as N)	mg/l	0.01	0.015	
CW05003196BV1001	16-11034	05/07/2016 08:45	Ammonia-Total (as N)	mg/l	0.01	0.02	
CW05003196BV1001	16-13373	15/08/2016 08:24	Ammonia-Total (as N)	mg/l	0.01	0.005	<0.01
CW05003196BV1001	16-13372	15/08/2016 08:24	Ammonia-Total (as N)	mg/l	0.01	0.005	<0.01
CW05003196BV1001	1300757	14/02/2013 00:00	BOD - 5 days (Total)	mg/l		1	<2
CW05003196BV1001	1300756	14/02/2013 00:00	BOD - 5 days (Total)	mg/l		1	<2
CW05003196BV1001	1302923	30/05/2013 00:00	BOD - 5 days (Total)	mg/l		1	<2
CW05003196BV1001	1302922	30/05/2013 00:00	BOD - 5 days (Total)	mg/l		1	<2
CW05003196BV1001	1304133	18/07/2013 00:00	BOD - 5 days (Total)	mg/l		1	<2
CW05003196BV1001	1304132	18/07/2013 00:00	BOD - 5 days (Total)	mg/l		1	<2
CW05003196BV1001	1304741	22/08/2013 00:00	BOD - 5 days (Total)	mg/l	1	0.5	<1.0
CW05003196BV1001	1304742	22/08/2013 00:00	BOD - 5 days (Total)	mg/l	1	0.5	<1.0
CW05003196BV1001	16-02025	02/02/2016 09:44	BOD - 5 days (Total)	mg/l	1	0.5	<1
CW05003196BV1001	16-02026	02/02/2016 09:55	BOD - 5 days (Total)	mg/l	1	1.1	
CW05003196BV1001	16-07377	17/05/2016 09:40	BOD - 5 days (Total)	mg/l	1	0.5	<1
CW05003196BV1001	16-07378	17/05/2016 09:40	BOD - 5 days (Total)	mg/l	1	0.5	<1
CW05003196BV1001	16-11033	05/07/2016 08:32	BOD - 5 days (Total)	mg/l	1	3.2	
CW05003196BV1001	16-11034	05/07/2016 08:45	BOD - 5 days (Total)	mg/l	1	0.5	<1
CW05003196BV1001	16-13372	15/08/2016 08:24	BOD - 5 days (Total)	mg/l	1	0.5	<1
CW05003196BV1001	16-13373	15/08/2016 08:24	BOD - 5 days (Total)	mg/l	1	0.5	<1
CW05003196BV1001	1300757	14/02/2013 00:00	Chlorophyll	mg/m3	0.4	2.2	
CW05003196BV1001	1300756	14/02/2013 00:00	Chlorophyll	mg/m3	0.4	0.5	
CW05003196BV1001	1302922	30/05/2013 00:00	Chlorophyll	mg/m3	0.4	4	
CW05003196BV1001	1302923	30/05/2013 00:00	Chlorophyll	mg/m3	0.4	5.4	
CW05003196BV1001	1304133	18/07/2013 00:00	Chlorophyll	mg/m3	0.4	0.6	
CW05003196BV1001	1304132	18/07/2013 00:00	Chlorophyll	mg/m3	0.4	2.9	
CW05003196BV1001	1304741	22/08/2013 00:00	Chlorophyll	mg/m3	0.4	1.5	
CW05003196BV1001	1304742	22/08/2013 00:00	Chlorophyll	mg/m3	0.4	2	
CW05003196BV1001	16-02025	02/02/2016 09:44	Chlorophyll	µg/l	1	0.5	<1
CW05003196BV1001	16-02026	02/02/2016 09:55	Chlorophyll	µg/l	1	0.5	<1
CW05003196BV1001	16-07377	17/05/2016 09:40	Chlorophyll	µg/l	1	1.8	
CW05003196BV1001	16-07378	17/05/2016 09:40	Chlorophyll	µg/l	1	1.6	
CW05003196BV1001	16-11033	05/07/2016 08:32	Chlorophyll	µg/l	1	1.4	
CW05003196BV1001	16-11034	05/07/2016 08:45	Chlorophyll	µg/l	1	1.5	
CW05003196BV1001	16-13372	15/08/2016 08:24	Chlorophyll	µg/l	1	2.2	
CW05003196BV1001	16-13373	15/08/2016 08:24	Chlorophyll	µg/l	1	3	
CW05003196BV1001	16-02025	02/02/2016 09:44	Depth	m		0.3	
CW05003196BV1001	16-02026	02/02/2016 09:55	Depth	m		6.8	
CW05003196BV1001	16-07378	17/05/2016 09:40	Depth	m		4.9	
CW05003196BV1001	16-07377	17/05/2016 09:40	Depth	m		0.2	
CW05003196BV1001	16-11033	05/07/2016 08:32	Depth	m		0.2	
CW05003196BV1001	16-11034	05/07/2016 08:45	Depth	m		5.3	
CW05003196BV1001	16-13372	15/08/2016 08:24	Depth	m		0.2	
CW05003196BV1001	16-13373	15/08/2016 08:24	Depth	m		5.6	
CW05003196BV1001	1300756	14/02/2013 00:00	Dissolved Oxygen	% Saturation		97.6	
CW05003196BV1001	1300757	14/02/2013 00:00	Dissolved Oxygen	% Saturation		98.4	
CW05003196BV1001	1302922	30/05/2013 00:00	Dissolved Oxygen	% Saturation		106.6	
CW05003196BV1001	1302923	30/05/2013 00:00	Dissolved Oxygen	% Saturation		104.3	
CW05003196BV1001	1304132	18/07/2013 00:00	Dissolved Oxygen	% Saturation		108.6	
CW05003196BV1001	1304133	18/07/2013 00:00	Dissolved Oxygen	% Saturation		113.5	
CW05003196BV1001	1304742	22/08/2013 00:00	Dissolved Oxygen	% Saturation		93.4	
CW05003196BV1001	1304741	22/08/2013 00:00	Dissolved Oxygen	% Saturation		95.7	
CW05003196BV1001	1304742	22/08/2013 00:00	Dissolved Oxygen	mg/l			
CW05003196BV1001	1304741	22/08/2013 00:00	Dissolved Oxygen	mg/l			
CW05003196BV1001	16-02025	02/02/2016 09:44	Dissolved Oxygen	% Saturation	1	100	
CW05003196BV1001	16-02026	02/02/2016 09:55	Dissolved Oxygen	% Saturation	1	100	
CW05003196BV1001	16-07377	17/05/2016 09:40	Dissolved Oxygen	% Saturation	1	111	
CW05003196BV1001	16-07378	17/05/2016 09:40	Dissolved Oxygen	% Saturation	1	108	
CW05003196BV1001	16-11033	05/07/2016 08:32	Dissolved Oxygen	% Saturation	1	105	

Monitoring Station Code	Limit of Detection	Sample Date	Parameter Name	Parameter Unit Short Code	Limit of Detection	Report Results	Report Text Results
CW05003196BV1001	16-11034	05/07/2016 08:45	Dissolved Oxygen	% Saturation	1	103	
CW05003196BV1001	16-13373	15/08/2016 08:24	Dissolved Oxygen	% Saturation	1	107	
CW05003196BV1001	16-13372	15/08/2016 08:24	Dissolved Oxygen	% Saturation	1	109	
CW05003196BV1001	1300756	14/02/2013 00:00	unspecified	µg/l	5	19	
CW05003196BV1001	1300757	14/02/2013 00:00	ortho-Phosphate (as P) - unspecified	µg/l	5	21	
CW05003196BV1001	1302922	30/05/2013 00:00	ortho-Phosphate (as P) - unspecified	µg/l	5	8	
CW05003196BV1001	1302923	30/05/2013 00:00	ortho-Phosphate (as P) - unspecified	µg/l	5	11	
CW05003196BV1001	1304132	18/07/2013 00:00	ortho-Phosphate (as P) - unspecified	µg/l	5	12	
CW05003196BV1001	1304133	18/07/2013 00:00	ortho-Phosphate (as P) - unspecified	µg/l	5	2.5	<5
CW05003196BV1001	1304742	22/08/2013 00:00	ortho-Phosphate (as P) - unspecified	µg/l	5	8	
CW05003196BV1001	1304741	22/08/2013 00:00	ortho-Phosphate (as P) - unspecified	µg/l	5	7	
CW05003196BV1001	16-02025	02/02/2016 09:44	ortho-Phosphate (as P) - unspecified	mg/l	0.005	0.021	
CW05003196BV1001	16-02026	02/02/2016 09:55	ortho-Phosphate (as P) - unspecified	mg/l	0.005	0.023	
CW05003196BV1001	16-07377	17/05/2016 09:40	ortho-Phosphate (as P) - unspecified	mg/l	0.005	0.024	
CW05003196BV1001	16-07378	17/05/2016 09:40	ortho-Phosphate (as P) - unspecified	mg/l	0.005	0.0025	<0.005
CW05003196BV1001	16-11033	05/07/2016 08:32	ortho-Phosphate (as P) - unspecified	mg/l	0.005	0.0088	
CW05003196BV1001	16-11034	05/07/2016 08:45	ortho-Phosphate (as P) - unspecified	mg/l	0.005	0.0066	
CW05003196BV1001	16-13372	15/08/2016 08:24	ortho-Phosphate (as P) - unspecified	mg/l	0.005	0.0025	<0.005
CW05003196BV1001	16-13373	15/08/2016 08:24	ortho-Phosphate (as P) - unspecified	mg/l	0.005	0.0025	<0.005
CW05003196BV1001	1300756	14/02/2013 00:00	pH	pH units	2	7.9	
CW05003196BV1001	1300757	14/02/2013 00:00	pH	pH units	2	7.9	
CW05003196BV1001	1302922	30/05/2013 00:00	pH	pH units	2	8	
CW05003196BV1001	1302923	30/05/2013 00:00	pH	pH units	2	8	
CW05003196BV1001	1304133	18/07/2013 00:00	pH	pH units	2	8	
CW05003196BV1001	1304132	18/07/2013 00:00	pH	pH units	2	8	
CW05003196BV1001	1304742	22/08/2013 00:00	pH	pH units	2	8	
CW05003196BV1001	1304741	22/08/2013 00:00	pH	pH units	2	7.9	
CW05003196BV1001	16-02025	02/02/2016 09:44	pH	pH units	2	8	
CW05003196BV1001	16-02026	02/02/2016 09:55	pH	pH units	2	8	
CW05003196BV1001	16-07377	17/05/2016 09:40	pH	pH units	2	8.1	
CW05003196BV1001	16-07378	17/05/2016 09:40	pH	pH units	2	8.1	
CW05003196BV1001	16-11033	05/07/2016 08:32	pH	pH units	2	8.1	
CW05003196BV1001	16-11034	05/07/2016 08:45	pH	pH units	2	8.1	
CW05003196BV1001	16-13372	15/08/2016 08:24	pH	pH units	2	8.2	
CW05003196BV1001	16-13373	15/08/2016 08:24	pH	pH units	2	8.2	
CW05003196BV1001	16-02025	02/02/2016 09:44	Salinity	PSU	0.1	34.4	
CW05003196BV1001	16-02026	02/02/2016 09:55	Salinity	PSU	0.1	34.4	
CW05003196BV1001	16-07377	17/05/2016 09:40	Salinity	PSU	0.1	34.3	
CW05003196BV1001	16-07378	17/05/2016 09:40	Salinity	PSU	0.1	34.6	
CW05003196BV1001	16-11033	05/07/2016 08:32	Salinity	PSU	0.1	34.3	
CW05003196BV1001	16-11034	05/07/2016 08:45	Salinity	PSU	0.1	34.5	
CW05003196BV1001	16-13373	15/08/2016 08:24	Salinity	PSU	0.1	34.2	
CW05003196BV1001	16-13372	15/08/2016 08:24	Salinity	PSU	0.1	34.2	
CW05003196BV1001	16-02025	02/02/2016 09:44	Salinity(Lab)	0/oo	0.1	34.9	
CW05003196BV1001	16-02026	02/02/2016 09:55	Salinity(Lab)	0/oo	0.1	35	
CW05003196BV1001	16-07377	17/05/2016 09:40	Salinity(Lab)	0/oo	0.1	34.3	
CW05003196BV1001	16-07378	17/05/2016 09:40	Salinity(Lab)	0/oo	0.1	34.5	
CW05003196BV1001	16-11033	05/07/2016 08:32	Salinity(Lab)	0/oo	0.1	34.8	
CW05003196BV1001	16-11034	05/07/2016 08:45	Salinity(Lab)	0/oo	0.1	34.8	
CW05003196BV1001	16-13373	15/08/2016 08:24	Salinity(Lab)	0/oo	0.1	34.8	
CW05003196BV1001	16-13372	15/08/2016 08:24	Salinity(Lab)	0/oo	0.1	34.7	
CW05003196BV1001	1300756	14/02/2013 00:00	Silica (as SiO2)	mg/l	0.1	0.48	
CW05003196BV1001	1300757	14/02/2013 00:00	Silica (as SiO2)	mg/l	0.1	0.45	
CW05003196BV1001	1302923	30/05/2013 00:00	Silica (as SiO2)	mg/l	0.1	0.05	<0.10
CW05003196BV1001	1302922	30/05/2013 00:00	Silica (as SiO2)	mg/l	0.1	0.05	<0.10
CW05003196BV1001	1304132	18/07/2013 00:00	Silica (as SiO2)	mg/l	0.1	0.05	<0.10



Monitoring Station Code	Limit of Detection	Sample Date	Parameter Name	Parameter Unit Short Code	Limit of Detection	Report Results	Report Text Results
CW05003196BV1001	1304133	18/07/2013 00:00	Silica (as SiO2)	mg/l	0.1	0.05	<0.10
CW05003196BV1001	1304742	22/08/2013 00:00	Silica (as SiO2)	mg/l	0.1	0.23	
CW05003196BV1001	1304741	22/08/2013 00:00	Silica (as SiO2)	mg/l	0.1	0.05	<0.10
CW05003196BV1001	16-02025	02/02/2016 09:44	Silica (as SiO2)	mg/l	0.1	0.29	
CW05003196BV1001	16-02026	02/02/2016 09:55	Silica (as SiO2)	mg/l	0.1	0.3	
CW05003196BV1001	16-07378	17/05/2016 09:40	Silica (as SiO2)	mg/l	0.1	0.05	<0.1
CW05003196BV1001	16-07377	17/05/2016 09:40	Silica (as SiO2)	mg/l	0.1	0.05	<0.1
CW05003196BV1001	16-11033	05/07/2016 08:32	Silica (as SiO2)	mg/l	0.1	0.05	<0.1
CW05003196BV1001	16-11034	05/07/2016 08:45	Silica (as SiO2)	mg/l	0.1	0.05	<0.1
CW05003196BV1001	16-13373	15/08/2016 08:24	Silica (as SiO2)	mg/l	0.1	0.05	<0.1
CW05003196BV1001	16-13372	15/08/2016 08:24	Silica (as SiO2)	mg/l	0.1	0.05	<0.1
CW05003196BV1001	16-02025	02/02/2016 09:44	StationDepth	m	0.1	7.5	
CW05003196BV1001	16-02026	02/02/2016 09:55	StationDepth	m	0.1	7.5	
CW05003196BV1001	16-07377	17/05/2016 09:40	StationDepth	m	0.1	5.5	
CW05003196BV1001	16-07378	17/05/2016 09:40	StationDepth	m	0.1	5.5	
CW05003196BV1001	16-11033	05/07/2016 08:32	StationDepth	m	0.1	5.9	
CW05003196BV1001	16-11034	05/07/2016 08:45	StationDepth	m	0.1	5.9	
CW05003196BV1001	16-13373	15/08/2016 08:24	StationDepth	m	0.1	9	
CW05003196BV1001	16-13372	15/08/2016 08:24	StationDepth	m	0.1	9	
CW05003196BV1001	1304132	18/07/2013 00:00	Suspended Solids	mg/l	10	5	<10
CW05003196BV1001	1304741	22/08/2013 00:00	Suspended Solids	mg/l	4	2	<4
CW05003196BV1001	16-02025	02/02/2016 09:44	Suspended Solids	mg/l	4	2	<4
CW05003196BV1001	16-07377	17/05/2016 09:40	Suspended Solids	mg/l	4	2	<4
CW05003196BV1001	16-11033	05/07/2016 08:32	Suspended Solids	mg/l	4	2	<4
CW05003196BV1001	16-13372	15/08/2016 08:24	Suspended Solids	mg/l	4	5	
CW05003196BV1001	1300757	14/02/2013 00:00	Temperature	°C		9.1	
CW05003196BV1001	1300756	14/02/2013 00:00	Temperature	°C		8.6	
CW05003196BV1001	1302922	30/05/2013 00:00	Temperature	°C		10.8	
CW05003196BV1001	1302923	30/05/2013 00:00	Temperature	°C		10.4	
CW05003196BV1001	1304133	18/07/2013 00:00	Temperature	°C		16.3	
CW05003196BV1001	1304132	18/07/2013 00:00	Temperature	°C		16.8	
CW05003196BV1001	1304741	22/08/2013 00:00	Temperature	°C		15.3	
CW05003196BV1001	1304742	22/08/2013 00:00	Temperature	°C		14.5	
CW05003196BV1001	16-02025	02/02/2016 09:44	Temperature	°C		9.8	
CW05003196BV1001	16-02026	02/02/2016 09:55	Temperature	°C		9.8	
CW05003196BV1001	16-07378	17/05/2016 09:40	Temperature	°C		11.6	
CW05003196BV1001	16-07377	17/05/2016 09:40	Temperature	°C		12.9	
CW05003196BV1001	16-11033	05/07/2016 08:32	Temperature	°C		14	
CW05003196BV1001	16-11034	05/07/2016 08:45	Temperature	°C		13.1	
CW05003196BV1001	16-13372	15/08/2016 08:24	Temperature	°C		15.3	
CW05003196BV1001	16-13373	15/08/2016 08:24	Temperature	°C		14.8	
CW05003196BV1001	1300756	14/02/2013 00:00	Time sampled	Descriptive		8.5	
CW05003196BV1001	1300757	14/02/2013 00:00	Time sampled	Descriptive		8.5	
CW05003196BV1001	1302922	30/05/2013 00:00	Time sampled	Descriptive		9.04	
CW05003196BV1001	1302923	30/05/2013 00:00	Time sampled	Descriptive		9.04	
CW05003196BV1001	1304133	18/07/2013 00:00	Time sampled	Descriptive		8.56	
CW05003196BV1001	1304132	18/07/2013 00:00	Time sampled	Descriptive		8.56	
CW05003196BV1001	1304741	22/08/2013 00:00	Time sampled	Descriptive		8.48	
CW05003196BV1001	1304742	22/08/2013 00:00	Time sampled	Descriptive		8.48	
CW05003196BV1001	16-02025	02/02/2016 09:44	TOC (as NPOC)	mg/l	2	1	<2
CW05003196BV1001	16-02026	02/02/2016 09:55	TOC (as NPOC)	mg/l	2	1	<2
CW05003196BV1001	16-07377	17/05/2016 09:40	TOC (as NPOC)	mg/l	2	1	<2
CW05003196BV1001	16-07378	17/05/2016 09:40	TOC (as NPOC)	mg/l	2	1	<2
CW05003196BV1001	16-11033	05/07/2016 08:32	TOC (as NPOC)	mg/l	2	3	
CW05003196BV1001	16-11034	05/07/2016 08:45	TOC (as NPOC)	mg/l	2	4.5	
CW05003196BV1001	16-13373	15/08/2016 08:24	TOC (as NPOC)	mg/l	2	2.7	
CW05003196BV1001	16-13372	15/08/2016 08:24	TOC (as NPOC)	mg/l	2	1	<2
CW05003196BV1001	1300756	14/02/2013 00:00	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.08	
CW05003196BV1001	1300757	14/02/2013 00:00	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.14	
CW05003196BV1001	1302922	30/05/2013 00:00	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.02	
CW05003196BV1001	1302923	30/05/2013 00:00	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.02	
CW05003196BV1001	1304133	18/07/2013 00:00	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.01	
CW05003196BV1001	1304132	18/07/2013 00:00	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.02	
CW05003196BV1001	1304741	22/08/2013 00:00	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.01	

Monitoring Station Code	Limit of Detection	Sample Date	Parameter Name	Parameter Unit Short Code	Limit of Detection	Report Results	Report Text Results
CW05003196BV1001	1304742	22/08/2013 00:00	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.01	
CW05003196BV1001	16-02025	02/02/2016 09:44	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.1	
CW05003196BV1001	16-02026	02/02/2016 09:55	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.096	
CW05003196BV1001	16-07377	17/05/2016 09:40	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.013	
CW05003196BV1001	16-07378	17/05/2016 09:40	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.01	
CW05003196BV1001	16-11033	05/07/2016 08:32	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.005	<0.01
CW05003196BV1001	16-11034	05/07/2016 08:45	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.005	<0.01
CW05003196BV1001	16-13372	15/08/2016 08:24	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.005	<0.01
CW05003196BV1001	16-13373	15/08/2016 08:24	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.005	<0.01
CW05003196BV1001	16-02025	02/02/2016 09:44	Transparency	m		1.7	
CW05003196BV1001	16-02026	02/02/2016 09:55	Transparency	m		1.7	
CW05003196BV1001	16-07377	17/05/2016 09:40	Transparency	m			VOB
CW05003196BV1001	16-07378	17/05/2016 09:40	Transparency	m			VOB
CW05003196BV1001	16-11033	05/07/2016 08:32	Transparency	m			vob
CW05003196BV1001	16-11034	05/07/2016 08:45	Transparency	m			vob
CW05003196BV1001	16-13372	15/08/2016 08:24	Transparency	m		5.6	
CW05003196BV1001	16-13373	15/08/2016 08:24	Transparency	m		5.6	
CW05003196BV1001	1304132	18/07/2013 00:00	True Colour	PtCo Units	5	5	
CW05003196BV1001	1304741	22/08/2013 00:00	True Colour	PtCo Units	5	2.5	<5
CW05003196BV1001	16-07377	17/05/2016 09:40	True Colour	mg/litre Pt Co	5	2.5	<5
CW05003196BV1001	16-11033	05/07/2016 08:32	True Colour	mg/litre Pt Co	5	28	
CW05003196BV1001	16-13372	15/08/2016 08:24	True Colour	mg/litre Pt Co	5	2.5	<5

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Monitoring Station Code	Sample Code	Sample Date	Parameter Name	Parameter Unit Short Code	Limit Of Detection	Report Result	Report Text Result
CW05003196BV1002	1300759	14/02/2013 00:00	Ammonia-Total (as N)	mg/l	0.01	0.012	
CW05003196BV1002	1300758	14/02/2013 00:00	Ammonia-Total (as N)	mg/l	0.01	0.012	
CW05003196BV1002	1302924	30/05/2013 00:00	Ammonia-Total (as N)	mg/l	0.01	0.005	<0.010
CW05003196BV1002	1302925	30/05/2013 00:00	Ammonia-Total (as N)	mg/l	0.01	0.011	
CW05003196BV1002	1304134	18/07/2013 00:00	Ammonia-Total (as N)	mg/l	0.01	0.005	<0.010
CW05003196BV1002	1304135	18/07/2013 00:00	Ammonia-Total (as N)	mg/l	0.01	0.016	
CW05003196BV1002	1304744	22/08/2013 00:00	Ammonia-Total (as N)	mg/l	0.01	0.013	
CW05003196BV1002	1304743	22/08/2013 00:00	Ammonia-Total (as N)	mg/l	0.01	0.013	
CW05003196BV1002	16-02027	02/02/2016 10:04	Ammonia-Total (as N)	mg/l	0.01	0.021	
CW05003196BV1002	16-02028	02/02/2016 10:09	Ammonia-Total (as N)	mg/l	0.01	0.025	
CW05003196BV1002	16-07379	17/05/2016 09:40	Ammonia-Total (as N)	mg/l	0.01	0.03	
CW05003196BV1002	16-07380	17/05/2016 09:40	Ammonia-Total (as N)	mg/l	0.01	0.044	
CW05003196BV1002	16-11035	05/07/2016 08:51	Ammonia-Total (as N)	mg/l	0.01	0.014	
CW05003196BV1002	16-11036	05/07/2016 09:01	Ammonia-Total (as N)	mg/l	0.01	0.016	
CW05003196BV1002	16-13374	15/08/2016 08:45	Ammonia-Total (as N)	mg/l	0.01	0.005	<0.01
CW05003196BV1002	16-13375	15/08/2016 08:57	Ammonia-Total (as N)	mg/l	0.01	0.005	<0.01
CW05003196BV1002	1302925	30/05/2013 00:00	BOD - 5 days (Total)	mg/l		1	<2
CW05003196BV1002	1302924	30/05/2013 00:00	BOD - 5 days (Total)	mg/l		1	<2
CW05003196BV1002	16-02027	02/02/2016 10:04	BOD - 5 days (Total)	mg/l	1	0.5	<1
CW05003196BV1002	16-02028	02/02/2016 10:09	BOD - 5 days (Total)	mg/l	1	1.5	
CW05003196BV1002	16-07379	17/05/2016 09:40	BOD - 5 days (Total)	mg/l	1	0.5	<1
CW05003196BV1002	16-07380	17/05/2016 09:40	BOD - 5 days (Total)	mg/l	1	0.5	<1
CW05003196BV1002	16-11035	05/07/2016 08:51	BOD - 5 days (Total)	mg/l	1	0.5	<1
CW05003196BV1002	16-11036	05/07/2016 09:01	BOD - 5 days (Total)	mg/l	1	0.5	<1
CW05003196BV1002	16-13374	15/08/2016 08:45	BOD - 5 days (Total)	mg/l	1	0.5	<1
CW05003196BV1002	16-13375	15/08/2016 08:57	BOD - 5 days (Total)	mg/l	1	0.5	<1
CW05003196BV1002	1300759	14/02/2013 00:00	Chlorophyll	mg/m3	0.4	0.9	
CW05003196BV1002	1300758	14/02/2013 00:00	Chlorophyll	mg/m3	0.4	1.1	
CW05003196BV1002	1302925	30/05/2013 00:00	Chlorophyll	mg/m3	0.4	5.6	
CW05003196BV1002	1302924	30/05/2013 00:00	Chlorophyll	mg/m3	0.4	2.9	
CW05003196BV1002	1304134	18/07/2013 00:00	Chlorophyll	mg/m3	0.4	1.4	
CW05003196BV1002	1304135	18/07/2013 00:00	Chlorophyll	mg/m3	0.4	0.7	
CW05003196BV1002	1304743	22/08/2013 00:00	Chlorophyll	mg/m3	0.4	0.9	
CW05003196BV1002	1304744	22/08/2013 00:00	Chlorophyll	mg/m3	0.4	0.5	
CW05003196BV1002	16-02027	02/02/2016 10:04	Chlorophyll	µg/l	1	0.5	<1
CW05003196BV1002	16-02028	02/02/2016 10:09	Chlorophyll	µg/l	1	0.5	<1
CW05003196BV1002	16-07380	17/05/2016 09:40	Chlorophyll	µg/l	1	2.3	
CW05003196BV1002	16-07379	17/05/2016 09:40	Chlorophyll	µg/l	1	1.3	
CW05003196BV1002	16-11035	05/07/2016 08:51	Chlorophyll	µg/l	1	1	
CW05003196BV1002	16-11036	05/07/2016 09:01	Chlorophyll	µg/l	1	1.2	
CW05003196BV1002	16-13374	15/08/2016 08:45	Chlorophyll	µg/l	1	1.5	
CW05003196BV1002	16-13375	15/08/2016 08:57	Chlorophyll	µg/l	1	2.7	
CW05003196BV1002	16-02027	02/02/2016 10:04	Depth	m		0.3	
CW05003196BV1002	16-02028	02/02/2016 10:09	Depth	m		13.9	
CW05003196BV1002	16-07379	17/05/2016 09:40	Depth	m		0.3	
CW05003196BV1002	16-07380	17/05/2016 09:40	Depth	m		9.1	
CW05003196BV1002	16-11035	05/07/2016 08:51	Depth	m		0.2	
CW05003196BV1002	16-11036	05/07/2016 09:01	Depth	m		8.6	
CW05003196BV1002	16-13374	15/08/2016 08:45	Depth	m		0.2	
CW05003196BV1002	16-13375	15/08/2016 08:57	Depth	m		8.6	
CW05003196BV1002	1300758	14/02/2013 00:00	Dissolved Oxygen	% Saturation		99.3	
CW05003196BV1002	1300759	14/02/2013 00:00	Dissolved Oxygen	% Saturation		98.6	
CW05003196BV1002	1302924	30/05/2013 00:00	Dissolved Oxygen	% Saturation		113.8	
CW05003196BV1002	1302925	30/05/2013 00:00	Dissolved Oxygen	% Saturation		109	
CW05003196BV1002	1304135	18/07/2013 00:00	Dissolved Oxygen	% Saturation		113.9	
CW05003196BV1002	1304134	18/07/2013 00:00	Dissolved Oxygen	% Saturation		118.2	
CW05003196BV1002	1304743	22/08/2013 00:00	Dissolved Oxygen	mg/l			
CW05003196BV1002	1304744	22/08/2013 00:00	Dissolved Oxygen	% Saturation		91.2	
CW05003196BV1002	1304743	22/08/2013 00:00	Dissolved Oxygen	% Saturation		93.7	
CW05003196BV1002	1304744	22/08/2013 00:00	Dissolved Oxygen	mg/l			
CW05003196BV1002	16-02027	02/02/2016 10:04	Dissolved Oxygen	% Saturation	1	102	
CW05003196BV1002	16-02028	02/02/2016 10:09	Dissolved Oxygen	% Saturation	1	101	
CW05003196BV1002	16-07380	17/05/2016 09:40	Dissolved Oxygen	% Saturation	1	102	
CW05003196BV1002	16-07379	17/05/2016 09:40	Dissolved Oxygen	% Saturation	1	110	
CW05003196BV1002	16-11035	05/07/2016 08:51	Dissolved Oxygen	% Saturation	1	106	
CW05003196BV1002	16-11036	05/07/2016 09:01	Dissolved Oxygen	% Saturation	1	104	
CW05003196BV1002	16-13374	15/08/2016 08:45	Dissolved Oxygen	% Saturation	1	108	
CW05003196BV1002	16-13375	15/08/2016 08:57	Dissolved Oxygen	% Saturation	1	106	
CW05003196BV1002	1300758	14/02/2013 00:00	ortho-Phosphate (as P) - unspecified	µg/l	5	9	
CW05003196BV1002	1300759	14/02/2013 00:00	ortho-Phosphate (as P) - unspecified	µg/l	5	23	

Monitoring Station Code	Sample Code	Sample Date	Parameter Name	Parameter Unit Short Code	Limit Of Detection	Report Result	Report Text Result
CW05003196BV1002	1302924	30/05/2013 00:00	ortho-Phosphate (as P) - unspecified	µg/l	5	2.5	<5
CW05003196BV1002	1302925	30/05/2013 00:00	ortho-Phosphate (as P) - unspecified	µg/l	5	7	
CW05003196BV1002	1304134	18/07/2013 00:00	ortho-Phosphate (as P) - unspecified	µg/l	5	2.5	<5
CW05003196BV1002	1304135	18/07/2013 00:00	ortho-Phosphate (as P) - unspecified	µg/l	5	2.5	<5
CW05003196BV1002	1304743	22/08/2013 00:00	ortho-Phosphate (as P) - unspecified	µg/l	5	8	
CW05003196BV1002	1304744	22/08/2013 00:00	ortho-Phosphate (as P) - unspecified	µg/l	5	7	
CW05003196BV1002	16-02027	02/02/2016 10:04	ortho-Phosphate (as P) - unspecified	mg/l	0.005	0.022	
CW05003196BV1002	16-02028	02/02/2016 10:09	ortho-Phosphate (as P) - unspecified	mg/l	0.005	0.023	
CW05003196BV1002	16-07379	17/05/2016 09:40	ortho-Phosphate (as P) - unspecified	mg/l	0.005	0.0025	<0.005
CW05003196BV1002	16-07380	17/05/2016 09:40	ortho-Phosphate (as P) - unspecified	mg/l	0.005	0.0061	
CW05003196BV1002	16-11035	05/07/2016 08:51	ortho-Phosphate (as P) - unspecified	mg/l	0.005	0.01	
CW05003196BV1002	16-11036	05/07/2016 09:01	ortho-Phosphate (as P) - unspecified	mg/l	0.005	0.01	
CW05003196BV1002	16-13374	15/08/2016 08:45	ortho-Phosphate (as P) - unspecified	mg/l	0.005	0.0025	<0.005
CW05003196BV1002	16-13375	15/08/2016 08:57	ortho-Phosphate (as P) - unspecified	mg/l	0.005	0.0025	<0.005
CW05003196BV1002	1300758	14/02/2013 00:00	pH	pH units	2	7.9	
CW05003196BV1002	1300759	14/02/2013 00:00	pH	pH units	2	7.9	
CW05003196BV1002	1302924	30/05/2013 00:00	pH	pH units	2	8	
CW05003196BV1002	1302925	30/05/2013 00:00	pH	pH units	2	8	
CW05003196BV1002	1304134	18/07/2013 00:00	pH	pH units	2	8.1	
CW05003196BV1002	1304135	18/07/2013 00:00	pH	pH units	2	8.1	
CW05003196BV1002	1304743	22/08/2013 00:00	pH	pH units	2	8	
CW05003196BV1002	1304744	22/08/2013 00:00	pH	pH units	2	8	
CW05003196BV1002	16-02027	02/02/2016 10:04	pH	pH units	2	8	
CW05003196BV1002	16-02028	02/02/2016 10:09	pH	pH units	2	8	
CW05003196BV1002	16-07380	17/05/2016 09:40	pH	pH units	2	8	
CW05003196BV1002	16-07379	17/05/2016 09:40	pH	pH units	2	8.1	
CW05003196BV1002	16-11035	05/07/2016 08:51	pH	pH units	2	8.2	
CW05003196BV1002	16-11036	05/07/2016 09:01	pH	pH units	2	8.1	
CW05003196BV1002	16-13374	15/08/2016 08:45	pH	pH units	2	8.2	
CW05003196BV1002	16-13375	15/08/2016 08:57	pH	pH units	2	8.2	
CW05003196BV1002	16-02027	02/02/2016 10:04	Salinity	PSU	0.1	34.5	
CW05003196BV1002	16-02028	02/02/2016 10:09	Salinity	PSU	0.1	34.5	
CW05003196BV1002	16-07379	17/05/2016 09:40	Salinity	PSU	0.1	34.5	
CW05003196BV1002	16-07380	17/05/2016 09:40	Salinity	PSU	0.1	34.7	
CW05003196BV1002	16-11035	05/07/2016 08:51	Salinity	PSU	0.1	34.5	
CW05003196BV1002	16-11036	05/07/2016 09:01	Salinity	PSU	0.1	34.5	
CW05003196BV1002	16-13374	15/08/2016 08:45	Salinity	PSU	0.1	34	
CW05003196BV1002	16-13375	15/08/2016 08:57	Salinity	PSU	0.1	34	
CW05003196BV1002	16-02027	02/02/2016 10:04	Salinity(Lab)	0/oo	0.1	35	
CW05003196BV1002	16-02028	02/02/2016 10:09	Salinity(Lab)	0/oo	0.1	35	
CW05003196BV1002	16-07379	17/05/2016 09:40	Salinity(Lab)	0/oo	0.1	34.6	
CW05003196BV1002	16-07380	17/05/2016 09:40	Salinity(Lab)	0/oo	0.1	34.7	
CW05003196BV1002	16-11035	05/07/2016 08:51	Salinity(Lab)	0/oo	0.1	34.8	
CW05003196BV1002	16-11036	05/07/2016 09:01	Salinity(Lab)	0/oo	0.1	34.9	
CW05003196BV1002	16-13374	15/08/2016 08:45	Salinity(Lab)	0/oo	0.1	34.5	
CW05003196BV1002	16-13375	15/08/2016 08:57	Salinity(Lab)	0/oo	0.1	34.6	
CW05003196BV1002	1300759	14/02/2013 00:00	Silica (as SiO2)	mg/l	0.1	0.41	
CW05003196BV1002	1300758	14/02/2013 00:00	Silica (as SiO2)	mg/l	0.1	0.44	
CW05003196BV1002	1302924	30/05/2013 00:00	Silica (as SiO2)	mg/l	0.1	0.05	<0.10
CW05003196BV1002	1302925	30/05/2013 00:00	Silica (as SiO2)	mg/l	0.1	0.05	<0.10
CW05003196BV1002	1304134	18/07/2013 00:00	Silica (as SiO2)	mg/l	0.1	0.05	<0.10
CW05003196BV1002	1304135	18/07/2013 00:00	Silica (as SiO2)	mg/l	0.1	0.05	<0.10
CW05003196BV1002	1304744	22/08/2013 00:00	Silica (as SiO2)	mg/l	0.1	0.21	
CW05003196BV1002	1304743	22/08/2013 00:00	Silica (as SiO2)	mg/l	0.1	0.2	
CW05003196BV1002	16-02027	02/02/2016 10:04	Silica (as SiO2)	mg/l	0.1	0.28	
CW05003196BV1002	16-02028	02/02/2016 10:09	Silica (as SiO2)	mg/l	0.1	0.63	
CW05003196BV1002	16-07379	17/05/2016 09:40	Silica (as SiO2)	mg/l	0.1	0.05	<0.1
CW05003196BV1002	16-07380	17/05/2016 09:40	Silica (as SiO2)	mg/l	0.1	0.05	<0.1

Monitoring Station Code	Sample Code	Sample Date	Parameter Name	Parameter Unit Short Code	Limit Of Detection	Report Result	Report Text Result
CW05003196BV1002	16-11035	05/07/2016 08:51	Silica (as SiO2)	mg/l	0.1	0.05	<0.1
CW05003196BV1002	16-11036	05/07/2016 09:01	Silica (as SiO2)	mg/l	0.1	0.05	<0.1
CW05003196BV1002	16-13374	15/08/2016 08:45	Silica (as SiO2)	mg/l	0.1	0.05	<0.1
CW05003196BV1002	16-13375	15/08/2016 08:57	Silica (as SiO2)	mg/l	0.1	0.05	<0.1
CW05003196BV1002	16-02027	02/02/2016 10:04	StationDepth	m	0.1	15	
CW05003196BV1002	16-02028	02/02/2016 10:09	StationDepth	m	0.1	15	
CW05003196BV1002	16-07379	17/05/2016 09:40	StationDepth	m	0.1	10	
CW05003196BV1002	16-07380	17/05/2016 09:40	StationDepth	m	0.1	10	
CW05003196BV1002	16-11035	05/07/2016 08:51	StationDepth	m	0.1	9.5	
CW05003196BV1002	16-11036	05/07/2016 09:01	StationDepth	m	0.1	9.5	
CW05003196BV1002	16-13374	15/08/2016 08:45	StationDepth	m	0.1	15	
CW05003196BV1002	16-13375	15/08/2016 08:57	StationDepth	m	0.1	15	
CW05003196BV1002	1300759	14/02/2013 00:00	Temperature	°C		9.4	
CW05003196BV1002	1300758	14/02/2013 00:00	Temperature	°C		8.8	
CW05003196BV1002	1302925	30/05/2013 00:00	Temperature	°C		10.5	
CW05003196BV1002	1302924	30/05/2013 00:00	Temperature	°C		10.7	
CW05003196BV1002	1304135	18/07/2013 00:00	Temperature	°C		14.7	
CW05003196BV1002	1304134	18/07/2013 00:00	Temperature	°C		17.4	
CW05003196BV1002	1304744	22/08/2013 00:00	Temperature	°C		14.5	
CW05003196BV1002	1304743	22/08/2013 00:00	Temperature	°C		15	
CW05003196BV1002	16-02027	02/02/2016 10:04	Temperature	°C		10.1	
CW05003196BV1002	16-02028	02/02/2016 10:09	Temperature	°C		10.1	
CW05003196BV1002	16-07379	17/05/2016 09:40	Temperature	°C		12.1	
CW05003196BV1002	16-07380	17/05/2016 09:40	Temperature	°C		10.8	
CW05003196BV1002	16-11035	05/07/2016 08:51	Temperature	°C		13.6	
CW05003196BV1002	16-11036	05/07/2016 09:01	Temperature	°C		13.4	
CW05003196BV1002	16-13374	15/08/2016 08:45	Temperature	°C		15.9	
CW05003196BV1002	16-13375	15/08/2016 08:57	Temperature	°C		15.7	
CW05003196BV1002	1300758	14/02/2013 00:00	Time sampled	Descriptive		9.08	
CW05003196BV1002	1300759	14/02/2013 00:00	Time sampled	Descriptive		9.08	
CW05003196BV1002	1302925	30/05/2013 00:00	Time sampled	Descriptive		9.13	
CW05003196BV1002	1302924	30/05/2013 00:00	Time sampled	Descriptive		9.13	
CW05003196BV1002	1304134	18/07/2013 00:00	Time sampled	Descriptive		9.06	
CW05003196BV1002	1304135	18/07/2013 00:00	Time sampled	Descriptive		9.06	
CW05003196BV1002	1304743	22/08/2013 00:00	Time sampled	Descriptive		9.01	
CW05003196BV1002	1304744	22/08/2013 00:00	Time sampled	Descriptive		9.01	
CW05003196BV1002	16-02027	02/02/2016 10:04	TOC (as NPOC)	mg/l	2	1	<2
CW05003196BV1002	16-02028	02/02/2016 10:09	TOC (as NPOC)	mg/l	2	1	<2
CW05003196BV1002	16-07380	17/05/2016 09:40	TOC (as NPOC)	mg/l	2	1	<2
CW05003196BV1002	16-07379	17/05/2016 09:40	TOC (as NPOC)	mg/l	2	1	<2
CW05003196BV1002	16-11035	05/07/2016 08:51	TOC (as NPOC)	mg/l	2	2.7	
CW05003196BV1002	16-11036	05/07/2016 09:01	TOC (as NPOC)	mg/l	2	2.7	
CW05003196BV1002	16-13374	15/08/2016 08:45	TOC (as NPOC)	mg/l	2	2.2	
CW05003196BV1002	16-13375	15/08/2016 08:57	TOC (as NPOC)	mg/l	2	2.6	
CW05003196BV1002	1300758	14/02/2013 00:00	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.06	
CW05003196BV1002	1300759	14/02/2013 00:00	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.13	
CW05003196BV1002	1302924	30/05/2013 00:00	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.005	<0.01
CW05003196BV1002	1302925	30/05/2013 00:00	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.01	
CW05003196BV1002	1304135	18/07/2013 00:00	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.005	<0.01
CW05003196BV1002	1304134	18/07/2013 00:00	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.005	<0.01
CW05003196BV1002	1304744	22/08/2013 00:00	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.01	
CW05003196BV1002	1304743	22/08/2013 00:00	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.01	
CW05003196BV1002	16-02027	02/02/2016 10:04	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.084	
CW05003196BV1002	16-02028	02/02/2016 10:09	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.1	
CW05003196BV1002	16-07379	17/05/2016 09:40	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.011	
CW05003196BV1002	16-07380	17/05/2016 09:40	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.015	
CW05003196BV1002	16-11035	05/07/2016 08:51	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.005	<0.01
CW05003196BV1002	16-11036	05/07/2016 09:01	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.005	<0.01

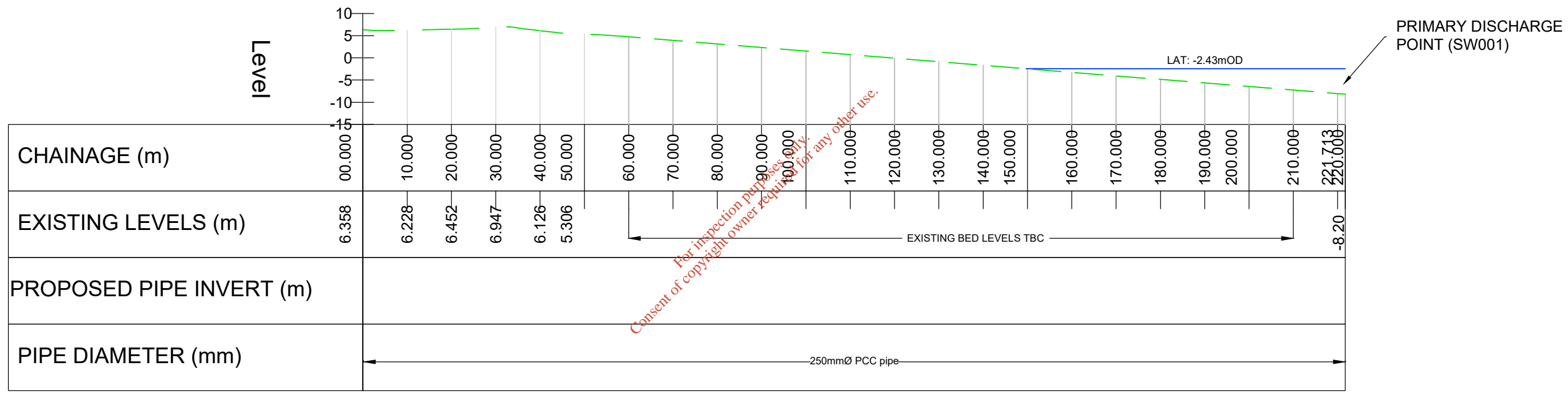
Monitoring Station Code	Sample Code	Sample Date	Parameter Name	Parameter Unit Short Code	Limit Of Detection	Report Result	Report Text Result
CW05003196BV1002	16-13374	15/08/2016 08:45	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.005	<0.01
CW05003196BV1002	16-13375	15/08/2016 08:57	Total Oxidised Nitrogen (as N)	mg/l	0.01	0.005	<0.01
CW05003196BV1002	16-02027	02/02/2016 10:04	Transparency	m		1.3	
CW05003196BV1002	16-02028	02/02/2016 10:09	Transparency	m		1.3	
CW05003196BV1002	16-07379	17/05/2016 09:40	Transparency	m		6.2	
CW05003196BV1002	16-07380	17/05/2016 09:40	Transparency	m		6.2	
CW05003196BV1002	16-11035	05/07/2016 08:51	Transparency	m		6.8	
CW05003196BV1002	16-11036	05/07/2016 09:01	Transparency	m		6.8	
CW05003196BV1002	16-13374	15/08/2016 08:45	Transparency	m		6.7	
CW05003196BV1002	16-13375	15/08/2016 08:57	Transparency	m		6.7	

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Monitoring Station Code	Sample Code	Sample Date	Parameter Name	Parameter Unit Short Code	Limit Of Detection	Report Result	Report Text Result
CW05003196BV1009	56085	18/05/2016 12:15	Ammonia-Total (as N)	mg/l	0	0.049	
CW05003196BV1009	57958	10/08/2016 13:00	Ammonia-Total (as N)	mg/l	0	0.029	
CW05003196BV1009	64022	16/05/2017 11:10	Ammonia-Total (as N)	mg/l	0	0.032	
CW05003196BV1009	66181	23/08/2017 12:00	Ammonia-Total (as N)	mg/l	0	0.05	
CW05003196BV1009	72006	23/05/2018 12:40	Ammonia-Total (as N)	mg/l	0	0.0175	<0.035
CW05003196BV1009	74273	15/08/2018 12:00	Ammonia-Total (as N)	mg/l	0	0.04	
CW05003196BV1009	79808	08/05/2019 13:05	Ammonia-Total (as N)	mg/l	0	0.0175	<0.035
CW05003196BV1009	82367	21/08/2019 10:15	Ammonia-Total (as N)	mg/l	0	0.0175	<0.035
CW05003196BV1009	88188	20/05/2020 13:50	Ammonia-Total (as N)	mg/l	0	0.0175	<0.035
CW05003196BV1009	56085	18/05/2016 12:15	BOD - 5 days (Total)	mg/l	1	2.3	
CW05003196BV1009	57958	10/08/2016 13:00	BOD - 5 days (Total)	mg/l	1	1.3	
CW05003196BV1009	64022	16/05/2017 11:10	BOD - 5 days (Total)	mg/l	1	1.1	
CW05003196BV1009	66181	23/08/2017 12:00	BOD - 5 days (Total)	mg/l	1	0.5	<1.0
CW05003196BV1009	72006	23/05/2018 12:40	BOD - 5 days (Total)	mg/l	1	1.7	
CW05003196BV1009	74273	15/08/2018 12:00	BOD - 5 days (Total)	mg/l	1	1.4	
CW05003196BV1009	79808	08/05/2019 13:05	BOD - 5 days (Total)	mg/l	1	1	
CW05003196BV1009	82367	21/08/2019 10:15	BOD - 5 days (Total)	mg/l	1	1.9	
CW05003196BV1009	88188	20/05/2020 13:50	BOD - 5 days (Total)	mg/l	1	0.5	<1.0
CW05003196BV1009	57958	10/08/2016 13:00	Dissolved Inorganic Nitrogen (as N)	mg/l	0	0.066	
CW05003196BV1009	66181	23/08/2017 12:00	Dissolved Inorganic Nitrogen (as N)	mg/l	0	0.086	
CW05003196BV1009	72006	23/05/2018 12:40	Dissolved Inorganic Nitrogen (as N)	mg/l	0	0.125	<0.25
CW05003196BV1009	74273	15/08/2018 12:00	Dissolved Inorganic Nitrogen (as N)	mg/l	0	0.07	
CW05003196BV1009	79808	08/05/2019 13:05	Dissolved Inorganic Nitrogen (as N)	mg/l	0	0.03	<0.06
CW05003196BV1009	82367	21/08/2019 10:15	Dissolved Inorganic Nitrogen (as N)	mg/l	0	0.0175	<0.035
CW05003196BV1009	88188	20/05/2020 13:50	Dissolved Inorganic Nitrogen (as N)	mg/l	0	0.0175	<0.035
CW05003196BV1009	56085	18/05/2016 12:15	Dissolved Oxygen	% Saturation	0	102	
CW05003196BV1009	57958	10/08/2016 13:00	Dissolved Oxygen	% Saturation	0	109	
CW05003196BV1009	64022	16/05/2017 11:10	Dissolved Oxygen	% Saturation	0	104	
CW05003196BV1009	66181	23/08/2017 12:00	Dissolved Oxygen	% Saturation	0	101.3	
CW05003196BV1009	74273	15/08/2018 12:00	Dissolved Oxygen	% Saturation	0	102.1	
CW05003196BV1009	79808	08/05/2019 13:05	Dissolved Oxygen	% Saturation	0	134.5	
CW05003196BV1009	82367	21/08/2019 10:15	Dissolved Oxygen	% Saturation	0	96.5	
CW05003196BV1009	88188	20/05/2020 13:50	Dissolved Oxygen	% Saturation	0	104.9	
CW05003196BV1009	56085	18/05/2016 12:15	E. Coli	MPN/100ml	0	0.5	<1
CW05003196BV1009	57958	10/08/2016 13:00	E. Coli	MPN/100ml	0	5	<10
CW05003196BV1009	64022	16/05/2017 11:10	E. Coli	cfu/100ml	0	4	
CW05003196BV1009	66181	23/08/2017 12:00	E. Coli	cfu/100ml	0	67	
CW05003196BV1009	72006	23/05/2018 12:40	E. Coli	cfu/100ml	0	5	<10
CW05003196BV1009	74273	15/08/2018 12:00	E. Coli	no./100mls	0	31	
CW05003196BV1009	79808	08/05/2019 13:05	E. Coli	no./100mls	0	5	<10
CW05003196BV1009	82367	21/08/2019 10:15	E. Coli	no./100mls	0	31	
CW05003196BV1009	88188	20/05/2020 13:50	E. Coli	no./100mls	0	5	<10
CW05003196BV1009	56085	18/05/2016 12:15	Enterococci (Intestinal)	cfu/100ml	0	1	
CW05003196BV1009	64022	16/05/2017 11:10	Enterococci (Intestinal)	cfu/100ml	0	0	
CW05003196BV1009	66181	23/08/2017 12:00	Enterococci (Intestinal)	cfu/100ml	0	29	
CW05003196BV1009	72006	23/05/2018 12:40	Enterococci (Intestinal)	cfu/100ml	0	5	<10
CW05003196BV1009	74273	15/08/2018 12:00	Enterococci (Intestinal)	no./100mls	0	10	
CW05003196BV1009	79808	08/05/2019 13:05	Enterococci (Intestinal)	no./100mls	0	10	
CW05003196BV1009	82367	21/08/2019 10:15	Enterococci (Intestinal)	no./100mls	0	10	
CW05003196BV1009	88188	20/05/2020 13:50	Enterococci (Intestinal)	no./100mls	0	10	
CW05003196BV1009	56085	18/05/2016 12:15	Faecal coliforms	no./100mls	0	1.5	<3
CW05003196BV1009	64022	16/05/2017 11:10	Faecal coliforms	cfu/100ml	0	7	
CW05003196BV1009	66181	23/08/2017 12:00	Faecal coliforms	cfu/100ml	0	63	
CW05003196BV1009	72006	23/05/2018 12:40	Faecal coliforms	cfu/100ml	0	24196	>24196
CW05003196BV1009	74273	15/08/2018 12:00	Faecal coliforms	no./100mls	0	41	
CW05003196BV1009	79808	08/05/2019 13:05	Faecal coliforms	no./100mls	0	20	
CW05003196BV1009	82367	21/08/2019 10:15	Faecal coliforms	no./100mls	0	52	
CW05003196BV1009	88188	20/05/2020 13:50	Faecal coliforms	no./100mls	0	5	<10
CW05003196BV1009	82367	21/08/2019 10:15	Nitrate (as N)	mg/l			
CW05003196BV1009	56085	18/05/2016 12:15	ortho-Phosphate (as P) - unspecified	mg/l	0	0.013	
CW05003196BV1009	57958	10/08/2016 13:00	ortho-Phosphate (as P) - unspecified	mg/l	0	0.005	

Monitoring Station Code	Sample Code	Sample Date	Parameter Name	Parameter Unit Short Code	Limit Of Detection	Report Result	Report Text Result
CW05003196BV1009	64022	16/05/2017 11:10	ortho-Phosphate (as P) - unspecified	mg/l	0	0.011	
CW05003196BV1009	66181	23/08/2017 12:00	ortho-Phosphate (as P) - unspecified	mg/l	0	0.009	
CW05003196BV1009	72006	23/05/2018 12:40	ortho-Phosphate (as P) - unspecified	mg/l	0	0.01	
CW05003196BV1009	74273	15/08/2018 12:00	ortho-Phosphate (as P) - unspecified	mg/l	0	0.005	<0.01
CW05003196BV1009	79808	08/05/2019 13:05	ortho-Phosphate (as P) - unspecified	mg/l	0	0.005	<0.01
CW05003196BV1009	82367	21/08/2019 10:15	ortho-Phosphate (as P) - unspecified	mg/l	0	0.005	<0.01
CW05003196BV1009	88188	20/05/2020 13:50	ortho-Phosphate (as P) - unspecified	mg/l	0	5	<10.00
CW05003196BV1009	56085	18/05/2016 12:15	pH	pH units	2	8	
CW05003196BV1009	57958	10/08/2016 13:00	pH	pH units	2	8.3	
CW05003196BV1009	64022	16/05/2017 11:10	pH	pH units	2	8.2	
CW05003196BV1009	66181	23/08/2017 12:00	pH	pH units	2	8.1	
CW05003196BV1009	72006	23/05/2018 12:40	pH	pH units	2	8.1	
CW05003196BV1009	74273	15/08/2018 12:00	pH	pH units	2	8	
CW05003196BV1009	79808	08/05/2019 13:05	pH	pH units	2	8.1	
CW05003196BV1009	82367	21/08/2019 10:15	pH	pH units	2	8	
CW05003196BV1009	88188	20/05/2020 13:50	pH	pH units	2	8.1	
CW05003196BV1009	56085	18/05/2016 12:15	Temperature	°C	0	13.8	
CW05003196BV1009	57958	10/08/2016 13:00	Temperature	°C	0	18.2	
CW05003196BV1009	64022	16/05/2017 11:10	Temperature	°C	0	15.3	
CW05003196BV1009	66181	23/08/2017 12:00	Temperature	°C	0	15.6	
CW05003196BV1009	74273	15/08/2018 12:00	Temperature	°C	0	14.9	
CW05003196BV1009	79808	08/05/2019 13:05	Temperature	°C	0	12.2	
CW05003196BV1009	82367	21/08/2019 10:15	Temperature	°C	0	14.1	
CW05003196BV1009	88188	20/05/2020 13:50	Temperature	°C	0	14.1	
CW05003196BV1009	82367	21/08/2019 10:15	Total Nitrogen	mg/l			
CW05003196BV1009	56085	18/05/2016 12:15	Total Oxidised Nitrogen (as N)	mg/l	0	0.016	
CW05003196BV1009	57958	10/08/2016 13:00	Total Oxidised Nitrogen (as N)	mg/l	0	0.037	
CW05003196BV1009	66181	23/08/2017 12:00	Total Oxidised Nitrogen (as N)	mg/l	0	0.036	
CW05003196BV1009	72006	23/05/2018 12:40	Total Oxidised Nitrogen (as N)	mg/l	0	0.01	<0.02
CW05003196BV1009	74273	15/08/2018 12:00	Total Oxidised Nitrogen (as N)	mg/l	0	0.03	
CW05003196BV1009	79808	08/05/2019 13:05	Total Oxidised Nitrogen (as N)	mg/l	0	0.01	<0.02
CW05003196BV1009	82367	21/08/2019 10:15	Total Oxidised Nitrogen (as N)	mg/l	0	0.01	<0.02
CW05003196BV1009	88188	20/05/2020 13:50	Total Oxidised Nitrogen (as N)	mg/l	0	0.01	<0.02





**OUTFALL - LONGSECTION**  
SCALE: H 1:250,V 1:250. DATUM: -15.000

ORDNANCE SURVEY IRELAND LICENCE NUMBER EN 3-3-34

I1	24/03/20	JT	AD	KO'S
Issue	Date	By	Chkd	Appd

Client

Obair i gcomhpháirtíocht  
Working in Partnership

Job Title  
**UTAS - CORK BUNDLE  
CASTLETOWNBERE**

Scale at A3  
1:1000@ A3

Discipline  
INFRASTRUCTURE

Drawing Title  
**DISCHARGE LICENCE APPLICATION  
ATTACHMENT C.1  
OUTFALL LONG SECTION**

Drawing Status  
**FOR INFORMATION**

Job No <b>IW-10015226</b>	Drawing No <b>03-02-007</b>	Issue <b>I1</b>
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