

Cork County Council

Wastewater Discharge Licence Application under S.I. 684 of 2007
Regulations

Scheme / Agglomeration Name : Carrigtwohill

Submission Date : 14th December 2007

This is a draft document (VERSION 3) and is subject to revision.



Waste Water Discharge Licence Application Form

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EPA Ref. N ^o : (Office use only)	D0044-01
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Environmental Protection Agency
PO Box 3000, Johnstown Castle Estate, Co. Wexford
Lo Call: 1890 335599 Telephone: 053-9160600 Fax: 053-9160699
Web: www.epa.ie Email: info@epa.ie



Urban Waste Water Discharge Application Form

Tracking Amendments to Draft Application Form

Version No.	Date	Amendment since previous version	Reason
V. 1.	11/10/07	N/A	
V. 2.	18/10/07	Inclusion of a Note 1 superscript for Orthophosphate in Tables D.1(i)(b) & D.1(ii)(b)	To highlight the requirement for filtered samples in measurement of O-Phosphate for waste water discharges.
V.3.	13/11/07	Amend wording of Section F.2 to include 'abstraction'. Amend wording of Checklist in Annex to reflect wording of Regulation 16(5) of S.I. No. 684 of 2007. Inclusion of unique point code for each point of discharge and storm water overflow.	To accurately reflect the information required To accurately reflect the Regulations and to obtain the application documentation in appropriate format. To aid in cross-referencing of application documentation.

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Urban Waste Water Discharge Application Form

Environmental Protection Agency Application for a Waste Water Discharge Licence Waste Water Discharge (Authorisation) Regulations 2007.

CONTENTS

	Page
ABOUT THIS APPLICATION FORM	3
PROCEDURES	5
SECTION A NON-TECHNICAL SUMMARY	7
SECTION B GENERAL	7
SECTION C INFRASTRUCTURE & OPERATION	20
SECTION D DISCHARGES TO THE AQUATIC ENVIRONMENT	21
SECTION E MONITORING	23
SECTION F EXISTING ENVIRONMENT & IMPACT OF THE DISCHARGE(S)	25
SECTION G PROGRAMME OF IMPROVEMENTS	21
SECTION H DECLARATION	23
SECTION I JOINT DECLARATION	24
ANNEX 1: TABLES/ATTACHMENTS	
ANNEX 2: CHECKLIST	

ABOUT THIS APPLICATION FORM

This form is for the purpose of making an application for a Waste Water Discharge Licence under the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007) or for the review of an existing Waste Water Discharge licence.

The Application Form **must** be completed in accordance with the instructions and guidance provided in the *Waste Water Discharge Licensing Application Guidance Note*. The Guidance Note gives an overview of Waste Water Licensing, outlines the licence application process (including the number of copies required) and specifies the information to be submitted as part of the application. The Guidance Note and application form are available to download from the Licensing page of the EPA's website at www.epa.ie.

A valid application for a Waste Water Discharge Licence must contain the information prescribed in the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007). Regulation 16 of the Regulations sets out the statutory requirements for information to accompany a licence application. The application form is designed in such a way as to set out these questions in a structured manner and not necessarily in the order presented in the Regulations. In order to ensure a legally valid application in respect of Regulation 16 requirements, please complete the Regulation 16 Checklist provided in Annex 2.

This Application Form does not purport to be and should not be considered a legal interpretation of the provisions and requirements of the Waste Water Discharge (Authorisation) Regulations, 2007. While every effort has been made to ensure the accuracy of the material contained in the Application Form, the EPA assumes no responsibility and gives no guarantee, or warranty concerning the accuracy, completeness or up-to-date nature of the information provided herein and does not accept any liability whatsoever arising from any errors or omissions.

Should there be any contradiction between the information requirements set out in the Application Form and any clarifying explanation contained in the accompanying Guidance Note, then the requirements in this Application Form shall take precedence.

PROCEDURES

The procedure for making and processing of applications for waste water discharge licences, and for the processing of reviews of such licences, appear in the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007) and is summarised below. The application fees that shall accompany an application are listed in the Third Schedule to the Regulations.

Prior to submitting an application the applicant must publish in a newspaper circulating in the area, and erect at the point nearest to the waste water treatment plant concerned or, if no such plant exists, at a location nearest the primary discharge point, a notice of intention to apply. An applicant, not being the local authority in whose functional area the relevant waste water discharge, or discharges, to which the relevant application relates, takes place or is to take place, must also notify the relevant Local Authority, in writing, of their intention to apply.

An application for a licence must be submitted on the appropriate form (available from the Agency) with the correct fee, and should contain relevant supporting documentation as attachments. The application should be based on responses to the form and include supporting written text and the appropriate use of tables and drawings. Where point source emissions occur, a system of unique reference numbers should be used to denote each discharge point. These should be simple, logical, and traceable throughout the application.

The application form is divided into a number of sections of related information. The purpose of these divisions is to facilitate both the applicant and the Agency in the provision of the information and its assessment. Attachments should be clearly numbered, titled and paginated and must contain the required information as set out in the application form. Additional attachments may be included to supply any further information supporting the application. Any references made should be supported by a bibliography.

All questions should be answered. Where information is requested in the application form, which is not relevant to the particular application, the words "not applicable" should be clearly written on the form. The abbreviation "N/A" should not be used.

Additional information may need to be submitted beyond that which is explicitly requested on this form. Any references made should be supported by a bibliography. The Agency may request further information if it considers that its provision is material to the assessment of the application. Advice should be sought from the Agency where there is doubt about the type of information required or the level of detail.

Information supplied in this application, including supporting documentation will be put on public display and be open to inspection by any person.

Applicants should be aware that a contravention of the conditions of a waste water discharge licence is an offence under the Waste Water Discharge (Authorisation) Regulations, 2007.

The provision of information in an application for a waste water discharge licence which is false or misleading is an offence under Regulation 35 of the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007).

Note: Drawings. The following guidelines are included to assist applicants:

- *All drawings submitted should be titled and dated.*
- *All drawings should have a unique reference number and should be signed by a clearly identifiable person.*
- *All drawings should indicate a scale and the direction of north.*
- *All drawings should, generally, be to a scale of between 1:20 to 1:500, depending upon the degree of detail needed to be shown and the size of the facility. Drawings delineating the boundary can be to a smaller scale of between 1:1000 to 1:10560, but must clearly and accurately present the required level of detail. Drawings showing the waste water treatment plant location, if such a plant exists, can be to a scale of between 1:50 000 to 1:126 720. All drawings should, however, be A3 or less and of an appropriate scale such that they are clearly legible. Provide legends on all drawings and maps as appropriate.*
- *In exceptional circumstances, where A3 is considered inadequate, a larger size may be requested by the Agency.*

It should be noted that it will not be possible to process or determine the application until the required documents have been provided in sufficient detail and to a satisfactory standard.

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SECTION A: NON-TECHNICAL SUMMARY

Advice on completing this section is provided in the accompanying Guidance Note.

A non-technical summary of the application is to be included here. The summary should identify all environmental impacts of significance associated with the discharge of waste water associated with the waste water works. This description should also indicate the hours during which the waste water works is supervised or manned and days per week of this supervision.

The following information must be included in the non-technical summary:

A description of:

- the waste water works and the activities carried out therein,
- the sources of emissions from the waste water works,
- the nature and quantities of foreseeable emissions from the waste water works into the receiving aqueous environment as well as identification of significant effects of the emissions on the environment,
- the proposed technology and other techniques for preventing or, where this is not possible, reducing emissions from the waste water works,
- further measures planned to comply with the general principle of the basic obligations of the operator, i.e., that no significant pollution is caused;
- measures planned to monitor emissions into the environment.

Supporting information should form **Attachment N° A.1**

A Description of the Waste Water Works and the Activities Carried Out Therein

1. Collection System

The wastewater in Carrigtohill is collected in a partially combined foul and separated foul sewage drainage network. The Carrigtohill foul /combined system can be divided up, primarily, into two separate areas. The two main pumping stations servicing the catchment define the division within the collection system. The main pumping stations are the town pumping station, which is located on the Old Cobh Road [cul-de-sac], and the IDA pumping station [No.1] located to the east of the main entrance into the IDA development.

The town [or Old Cobh Road] pumping station takes flows from the town of Carrigtohill. The land serviced by the collection system feeding into the town pumping station is that served by the existing collection system to the east of the pumping station, for about 2.5km to 3.0km between the N25 dual carriageway and the railway line. Foul flows from the Millipore plant site are also transferred to this pumping station.

This pumping station was constructed in 1987 and the same pumps are still in use and in relatively good working order. There have been a number of problems with the original comminutor and a new comminutor has been installed. The dry well

chamber is located directly below the control building, which is visible above ground. Both pumps are generally running for between 7 to 9 hours a day and pumping 2000 to 2600 m³/day at a rate of around 286m³/hr. The pumps discharge to a 250mm diameter rising main 556m in length. The rising main terminates at the upper aeration tank in the existing treatment works.

A new pumping station (Barryscourt) has been constructed close to the WWTP as part of an advanced works contract. It has yet to be commissioned. This new facility will initially take a large portion (around two-thirds) of the flow from the Old Cobh Road Pumping Station once it is commissioned and will eventually take all of the flow upon completion of the proposed network upgrades.

The IDA pumping station [No.1] takes flows primarily from the existing IDA industrial development. The IDA No1 pumping station was constructed in 1980. The pumping station serves the IDA development along the Fota Retail Park development along with seven domestic dwellings. All the current wastewater flows from this side of the catchment flow to this pumping station; either by gravity via the collection system, or pumped. It was originally designed to cater for the IDA development south of the railway, but with the development of additional lands by the IDA and other developers, to the north and west of the pumping station thereby increasing its catchment.

There are two other operational pumping stations connected to the IDA [No 1] Pumping Stn. these are as follows:

- IDA pumping station [No. 2] serves the area north of the rail line in the western end of the catchment.
- Fota Retail Park pumping station (Old Youghal Carpet site) this serves a new commercial development

The IDA pumping station [No. 1] has two submersible wastewater pumps and these pump to a 250mm diameter rising main 742m in length. This rising main also discharges to the upper aeration tank at the existing Carrigtohill Wastewater Treatment Works. The station currently discharges approximately 850m³/day to the Works. The pumps are said to be capable of pumping 250 – 300m³/hr and give a combined flow of 550m³/hr.

A new pumping station was recently constructed by Cork County Council at the eastern end of Bog road to service some existing housing and a large area set aside for future domestic connections but is not yet serving any connections at this stage.

2. Wastewater Treatment Plant

The original wastewater treatment plant was built in 1978, on a raised site south of the town of Carrigtohill. Access to the site is gained via the “Old Cobh road” (from Slatty Bridge to Carrigtohill Village).

The plant was originally designed to cater for a population equivalent of 5,000 PE. In 1990, the plant was extended to a capacity of 8,500 PE. This was achieved by providing additional aeration and secondary settlement capacity. As a result the plant was converted into two separate liquid treatment streams. Also, storage tanks

were added on the western side of the site to store leachate from Rossmore Landfill and Youghal landfill. The Rossmore landfill produces approximately 60m³ of leachate daily.

The existing treatment works for Carrigtohill was designed to produce an effluent, which would comply with the Royal Commission Report of 1912 with a permitted sewage discharge containing a BOD of 20 mg/L and a SS of 30 mg/L.

Sampling of the works effluent in 2001 and 2002, as indicated in Table 1, suggests that the standard achieved is not always below the original 20/30 target.

The relatively high average concentrations are due to a number of overflows during storm conditions.

TABLE 1: EFFLUENT CONCENTRATIONS

Parameter	Average Concentration mg/l	
	2001	2002
Year		
Unit	mg/l	mg/l
B.O.D.	16	31
C.O.D.	172	267
Suspended Solids.	48	187
Tot. - P	1.9	7.4
PH	8.0	7.5

3. Liquid Stream

The macerated wastewater is pumped from the two pumping stations to the square aeration tank. Here, it is aerated by means of a floating surface aerator. The water flows to the secondary clarifier via an overflow weir. Leachate from the landfill is tankered to the site and pumped into the oxidation ditch. The oxygen input is by means of two horizontal brush aerators. From the ditch the activated sludge flows into the secondary clarifier, in which the sludge settles. The final effluent of both secondary clarifiers flows over into the outlet flow measurement chamber, from which it flows to the discharge location at the Slatty Waters.

Leachate from the Rossmore landfill site and Youghal landfill site is tankered in and discharged into the leachate storage tanks. From there it is pumped into the oxidation ditch. Recent practice is that the leachate is discharged directly into the oxidation ditch.

4. Sludge Stream

The waste activated sludge from both clarifiers is pumped via the sludge collection chamber into the picket fence thickener. The sludge is thickened to a dry solids concentration of about 1-5%. The supernatant is returned to the oxidation ditch. The thickened sludge is pumped to the dewatering building, where it is dewatered by means of a belt press. The dewatered sludge is removed by a conveyor belt to an uncovered skip outside the building. The final destination is the Rossmore Landfill. The filtrate off the belt press is pumped to the square aeration tank.

5. Odour Treatment

Any odours from wastewater treatment works are due mainly to the presence of organic matter which decomposes under anaerobic conditions. This can result in the formation of hydrogen sulphide, organic sulphides, mercaptans and organic amines, which result in the characteristic odour associated with sewage.

The Carrigtohill WWTP is currently operated by a Cork County Council. The plant is manned during the working week 8.30am - 5.00pm (Monday - Friday) by a plant caretaker and fitter and mate (on site part-time).

The Sources of Emissions from the Waste Water Works

The pollution load for the Carrigtohill agglomeration arises from the following areas:

- The local Population
- The local Industries
- Leachate from the landfill at Rossmore and Youghal

The pollution load from these sources varies greatly with daily, weekly and seasonal producers of effluent. The sewage from all industries is collected via the public sewer and treated in conjunction with domestic waste at the waste water treatment plant.

The domestic population of Carrigtohill has grown over the last three censuses owing to its development as a town within the Cork Metropolitan area. The most recent Census figures show that Carrigtohill and environs now has a population in excess of 2,782 (Census 2006). This represents an increase of 97.2% on the 2002 figure. Other sources of influent that contribute to the sewage scheme would be:

- Commercial premises
- Schools

The nature and quantities of foreseeable emissions from the waste water works into the receiving aqueous environment as well as identification of significant effects of the emissions on the environment.

The final effluent is discharged into Slatty Waters. The current outflows from the WWTW are approximately 3,000m³/d to the tidal waters of Slatty Waters.

Environmental Impacts

An Environmental Impact Statement was carried out for the future "Expansion and Upgrading of Carrigtohill Sewage Scheme in April 2007 by T.J. O'Connor & Associates.

Generally the plant does achieve the standards set in the Urban Wastewater Directive 1994. However there have been exceptions in recent years. However work is underway on the tender documents for the upgrading of the plant. There is currently no spare capacity within the plant.

The Proposed Technology and Other Techniques for Preventing or, Where This Is Not Possible, Reducing Emissions from the Waste Water Works

Technologies

In the WWTW at Carrigtohill a sufficient number of standby pumps, fans, etc. is provided in order to ensure continuation of the wastewater and sludge treatment and to comply with all environmental standards in case of equipment failures or breakdowns. Standby equipment is installed, ready for take over, or available in stock on site.

Further measures planned to comply with the general principle of the basic obligations of the operator, i.e., that no significant pollution is caused

Prevention of pollution

Any alteration upgrading of the existing infrastructure undertaken by Cork County Council shall not increase the potential to cause pollution in the environment. In particular any alterations to the wastewater treatment plant will be designed to enable any operator of the facility to prevent pollution of the environment by the following potential contaminants:

- Surface water run-off
- Spillages
- Solid Waste

Toxic Substances

Cork County Council shall ensure that any modification or alterations to the plant do not increase the impact by any toxic substances. All chemicals and dangerous substances must be stored safely at all times and all appropriate safety measures must be taken to ensure against leakage and spillage in accordance with the relevant Health and Safety Legislation.

Measures planned to monitor emissions into the environment

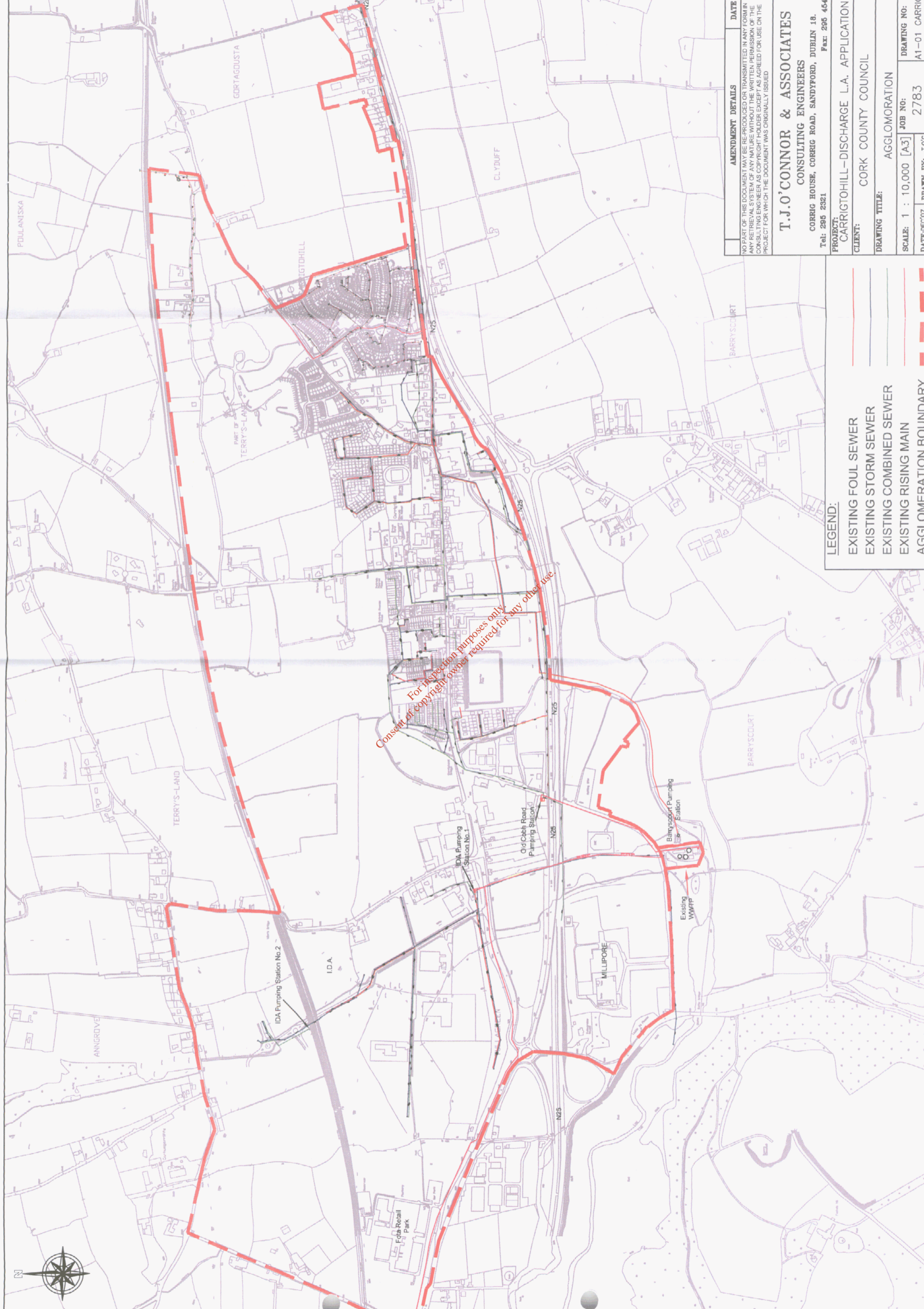
Cork County Council, as current operator has developed procedures and processes for sampling and analysis of the incoming raw sewage, outgoing effluent, sludge and other by-products such as screenings, so that analytical results are reliable, repeatable, consistent and accurate. Sampling procedures are in accordance with EU and Irish Regulations, and in particular in accordance with the Environmental Protection Agency's (EPA) monitoring and operating requirements. All laboratory analyses are performed in accordance with the latest edition of the Standard Methods for the Examination of Water and Wastewater, published by the American Public Health Association, and the Water Pollution Control Federation or other methods of comparable accuracy.

The sampling of the statutory samples is in accordance with the following procedures: -

- All samples are representative of the appropriate stream.

The monitoring and recording of the status of all parameters appropriate to proper control and operation of the plant is carried out.

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AMENDMENT DETAILS	DATE
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T.J.O'CONNOR & ASSOCIATES CONSULTING ENGINEERS CORRIG HOUSE, CORRIG ROAD, SANDYFORD, DUBLIN 18. Tel: 295 2321 Fax: 295 4541	
PROJECT: CARRIGTOHILL-DISCHARGE L.A. APPLICATION	
CLIENT: CORK COUNTY COUNCIL	
DRAWING TITLE: AGGLOMERATION	
SCALE: 1 : 10,000 [A3]	JOB NO: 2783
DATE: DEC'07	DRAWN BY: T.O'C
DRAWING NO: A1-01 CARRIG	

LEGEND:

	EXISTING FOUL SEWER
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
	EXISTING RISING MAIN
	AGGLOMERATION BOUNDARY

SECTION B: GENERAL

Advice on completing this section is provided in the accompanying Guidance Note.

B.1 Applicant's Details*

Name and Address for Correspondence

Only application documentation submitted by the applicant and by the nominated person will be deemed to have come from the applicant.

Provide a drawing detailing the agglomeration to which the licence application relates. It should have the boundary of the agglomeration to which the licence application relates clearly marked in red ink.

Name**:	Cork County council
Address:	County Hall
	Cork
Tel:	0214276891
Fax:	0214345720
e-mail:	

*This should be the name of the water services authority in whose ownership or control the waste water works is vested.

**Where an application is being submitted on behalf of more than one water services authority the details provided in Section B.1 shall be that of the lead water services authority.

Name*:	Patricia Power
Address:	County Hall
	Cork
Tel:	0214276891
Fax:	0214345720
e-mail:	p.power@corkcoco.ie

*This should be the name of person nominated by the water services authority for the purposes of the application.

Co-Applicant's Details

Name*:	not applicable
Address:	
Tel:	
Fax:	
e-mail:	

*This should be the name of a water services authority, other than the lead authority, where multiple authorities are the subject of a waste water discharge (authorisation) licence application.

Design, Build & Operate Contractor Details

Name*:	not applicable
Address:	
Tel:	
Fax:	
e-mail:	

*Where a design, build & operate contract is in place for the waste water works, or any part thereof, the details of the contractor should be provided.

Attachment B.1 should contain appropriately scaled drawings / maps ($\leq A3$) of the agglomeration served by the waste water works showing the boundary clearly marked in red ink. These drawings / maps should also be provided as geo-referenced digital drawing files (e.g., ESRI Shapefile, MapInfo Tab, AutoCAD or other upon agreement) in Irish National Grid Projection. These drawings should be provided to the Agency on a separate CD-Rom containing sections B.2, B.3, B.4, B.5, C.1, D.2, E.3 and F.2.

Attachment included B1-01carrig,	Yes	No
	X	

B.2 Location of Associated Waste Water Treatment Plant(s)

Give the location of the waste water treatment plant associated with the waste water works, if such a plant or plants exists.

Name*:	Carrigtohill Waste Water Treatmet Plant
Address:	Tullagreen
	Carrigtohill
	Co Cork
Grid ref (6E, 6N)	E181177, N072228
Level of Treatment	Secondary
Primary Telephone:	0214631554
Fax:	0214632023
e-mail:	

*This should be the name of the person responsible for the supervision of the waste water treatment plant.

Attachment B.2 should contain appropriately scaled drawings / maps ($\leq A3$) of the site boundary and overall site plan, including labelled discharge, monitoring and sampling points. These drawings / maps should also be provided as geo-referenced digital drawing files (e.g., ESRI Shapefile, MapInfo Tab, AutoCAD or other upon agreement) in Irish National Grid Projection. These drawings should be provided to the Agency on a separate CD-Rom containing sections B.1, B.3, B.4, B.5, C.1, D.2, E.3 and F.2.

Attachment included B2-01carrig, B2-02 Carrig	Yes	No
	X	

B.3 Location of Primary Discharge Point

Give the location of the primary discharge point, as defined in the Waste Water Discharge (Authorisation) Regulation, associated with the waste water works.

Type of Discharge	E.g. Diffuser, Lunar Valve, Non-return flap valve etc. PIPE
Unique Point Code	SW-01 Carrig
Location	Slatty Waters
Grid ref (6E, 6N)	E180594, N072283

Attachment B.3 should contain appropriately scaled drawings / maps ($\leq A3$) of the discharge point, including labelled monitoring and sampling points associated with the discharge point. These drawings / maps should also be provided as geo-referenced digital drawing files (e.g. ESRI Shapefile, MapInfo Tab, AutoCAD or other upon agreement) in Irish National Grid Projection. This data should be provided to the Agency on a separate CD-Rom containing the drawings and tabular data requested in sections B.1, B.2, B.4, B.5, C.1, D.2, E.3 and F.2.

Attachment included B3-01carrig	Yes	No
	X	

B.4 Location of Secondary Discharge Point(s)

Give the location of **all** secondary discharge point(s) associated with the waste water works. Please refer to Guidance Note for information on Secondary discharge points.

Type of Discharge	E.g. Diffuser, Lunar Valve, Non-return flap valve etc. PIPE
Unique Point Code	SW-02 carrig & SW-03 carrig
Location	Barryscourt Stream
Grid ref (6E, 6N)	E181731, N072480, E180594, N072283

Attachment B.4 should contain appropriately scaled drawings / maps ($\leq A3$) of the discharge point(s), including labelled monitoring and sampling points associated with the discharge point(s). These drawings / maps should also be provided as geo-referenced digital drawing files (e.g. ESRI Shapefile, MapInfo Tab, AutoCAD or other upon agreement) in Irish National Grid Projection. This data should be provided to the Agency on a separate CD-Rom containing sections B.1, B.2, B.3, B.5, C.1, D.2, E.3 and F.2.

Attachment included B4-01carrig	Yes	No
	X	

B.5 Location of Storm Water Overflow Point(s)

Give the location of **all** storm water overflow point(s) associated with the waste water works.

Type of Discharge	PIPE
Unique Point Code	SW-01carrig, SW-02Carrig, SW-03 Carrig
Location	Slatty Waters Barryscourt Stream
Grid ref (6E, 6N)	E180594, N072283 E181731, N072480, E180594, N072283

Attachment B.5 should contain appropriately scaled drawings / maps ($\leq A3$) of storm water overflow point(s) associated with the waste water works, including labelled monitoring and sampling points associated with the discharge point(s). These drawings / maps should also be provided as geo-referenced digital drawing files (e.g. ESRI Shapefile, MapInfo Tab, AutoCAD or other upon agreement) in Irish National Grid Projection. This data should be provided to the Agency on a separate CD-Rom containing sections B.1, B.2, B.3, B.4, C.1, D.2, E.3 and F.2.

Attachment included B5-01carrig	Yes	No
	X	

B.6 Planning Authority

Give the name of the planning authority, or authorities, in whose functional area the discharge or discharges take place or are proposed to take place.

Name:	Cork County council
Address:	County Hall Cork
Tel:	0214276891
Fax:	0214345720
e-mail:	

Planning Permission relating to the waste water works which is the subject of this application:- (tick as appropriate)

has been obtained	X	is being processed	
is not yet applied for		is not required	

Local Authority Planning File Reference N^o:	
---	--

Attachment B.6 should contain **the most recent** planning permission, including a copy of **all** conditions, and where an EIS was required, copies of any such EIS and any certification associated with the EIS, should also be enclosed. Where planning permission is not required for the development, provide reasons, relevant correspondence, etc.

Attachment included	Yes	No
	X	

B.7 Other Authorities

B.7 (i) Shannon Free Airport Development Company (SFADCo.) area

The applicant should tick the appropriate box below to identify whether the discharge or discharges are located within the Shannon Free Airport Development Company (SFADCo.) area.

Attachment B.7(i) should contain details of any or all discharges located within the SFADCo. area.

Within the SFADCo Area	Yes	No
		X

B.7 (ii) Health Services Executive Region

The applicant should indicate the **Health Services Executive Region** where the discharge or discharges are or will be located.

Name:	HSE South
Address:	Aras Slainte
	Wilton Rd
	Cork
Tel:	
Fax:	
e-mail:	

B.7 (iii) Other Relevant Local Authorities

Regulation 13 of the Waste Water Discharge (Authorisation) Regulations, 2007 requires all applicants, not being the local authority in whose functional area the relevant waste water discharge or discharges, to which the relevant application relates, takes place or is to take place, to notify the relevant local authority of the said application.

Name:	Not applicable
Address:	
Tel:	
Fax:	
e-mail:	

Relevant Authority Notified	Yes	No

Attachment B.7(iii) should contain a copy of the notice issued to the relevant local authority.

Attachment included	Yes	No
		X

B.8 Notices and Advertisements

Regulations 10 and 11 of the Waste Water Discharge (Authorisation) Regulations, 2007 require all applicants to advertise the application in a newspaper and by way of a site notice. See *Guidance Note*.

Attachment B.8 should contain a copy of the site notice and an appropriately scaled drawing ($\leq A3$) showing its location. **The original application must include the original page of the newspaper in which the advertisement was placed.** The relevant page of the newspaper containing the advertisement should be included with the original and two copies of the application.

Attachment included B8-01carrig	Yes	No
	X	

B.9 (i) Population Equivalent of Agglomeration

TABLE B.9.1 POPULATION EQUIVALENT OF AGGLOMERATION

The population equivalent (p.e.) of the agglomeration to be, or being, served by the waste water works should be provided and the period in which the population equivalent data was compiled should be indicated.

Population Equivalent	12000
Data Compiled (Year)	2007
Method	CSO & calculations

B.9 (ii) FEES

State the relevant Class of waste water discharge as per Column 1 of the Second Schedule, and the appropriate fee as per Columns 2 or 3 of the Third Schedule of the Waste Water Discharges (Authorisation) Regulations 2007, S.I. No. 684 of 2007.

Class of waste water discharge	Fee (in €)
> 10000PE	€30000

Appropriate Fee Included	Yes	No
	X	

B.10 Capital Investment Programme

State whether a programme of works has been prioritised for the development of infrastructure to appropriately collect, convey, treat and discharge waste water from the relevant agglomeration. If a programme of works has been prioritised provide details on funding, (local or national), allocated to the capital project. Provide details on the extent and type of work to be undertaken and the likely timeframes for this work to be completed.

Attachment B.10 should contain the most recent development programme, including a copy of any approved funding for the project and a timeframe for the completion of the necessary works to take place.

Attachment included	Yes	No
	x	

B.11 Significant Correspondence

Provide a summary of any correspondence resulting from a Section 63 notice issued by the Agency in relation to the waste water works under the Environmental Protection Agency Acts, 1992 and 2003, as amended by Section 13 of Protection of the Environment Act, 2003.

Attachment B.11 should contain a summary of any relevant correspondence issued in relation to a Section 63 notice.

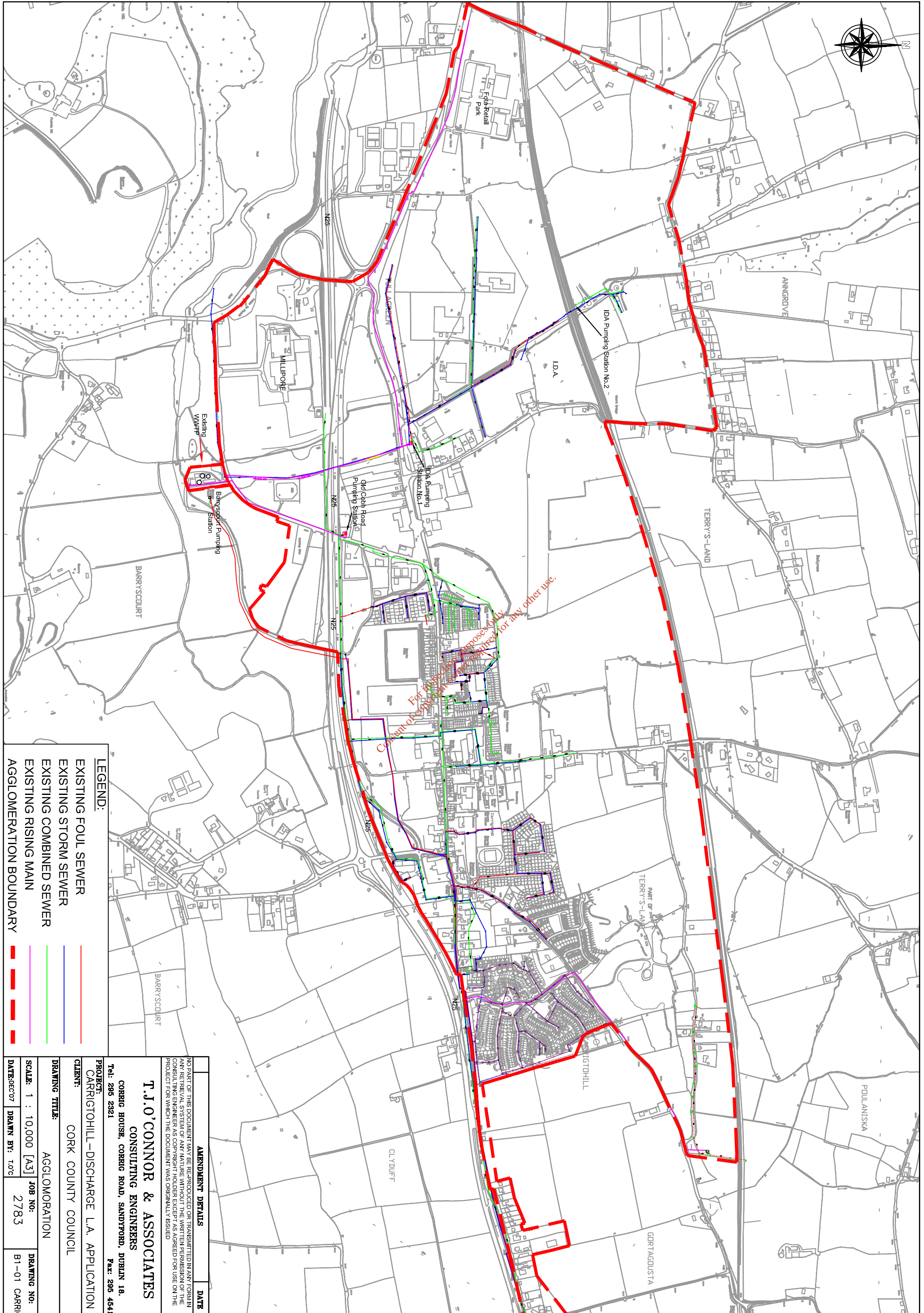
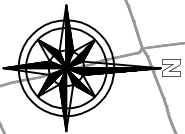
Attachment included	Yes	No
		X

B.12 Foreshore Act Licences.

Provide a copy of the most recent Foreshore Act licence issued in relation to discharges from the waste water works issued under the Foreshore Act 1933.

Attachment B.12 should contain the most recent licence issued under the Foreshore Act 1933, including a copy of *all* conditions attached to the licence and any monitoring returns for the previous 12-month period, if applicable.

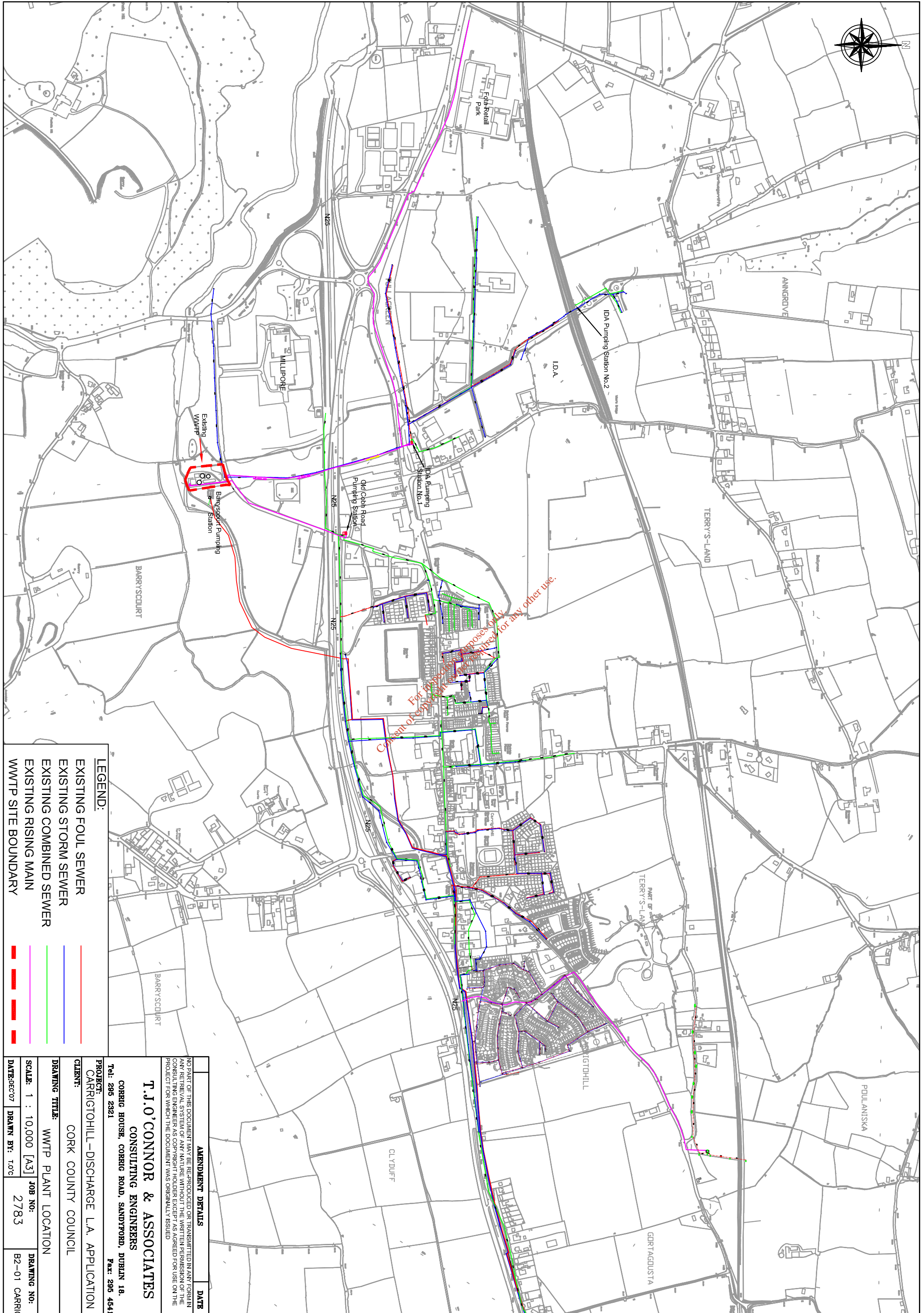
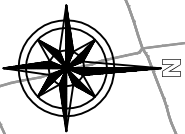
Attachment included	Yes	No



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LEGEND:	
	EXISTING FOUL SEWER
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
	EXISTING RISING MAIN
	AGGLOMERATION BOUNDARY

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T.J.O'CONNOR & ASSOCIATES		
CONSULTING ENGINEERS		
CORRIG HOUSE, CORRIG ROAD, SANDYFORD, DUBLIN 18.		
Tel: 295 2321		Fax: 295 4541
PROJECT: CARRIGTOHILL - DISCHARGE L.A. APPLICATION		
CLIENT: CORK COUNTY COUNCIL		
DRAWING TITLE: AGGLOMERATION		
SCALE: 1 : 10,000 [A3]	JOB NO: 2783	DRAWING NO: B1-01 CARRIG
DATE: DEC 07	DRAWN BY: T.O'G	



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CONSULTING ENGINEERS		
CORRIG HOUSE, CORRIG ROAD, SANDYFORD, DUBLIN 18.		
Tel: 295 2321		Fax: 295 4541
PROJECT: CARRIGTOHILL - DISCHARGE L.A. APPLICATION		
CLIENT: CORK COUNTY COUNCIL		
DRAWING TITLE: WWTP PLANT LOCATION		
SCALE: 1 : 10,000 [A3]	JOB NO: 2783	DRAWING NO: B2-01 CARRIG
DATE: DEC 07	DRAWN BY: T.O'G	