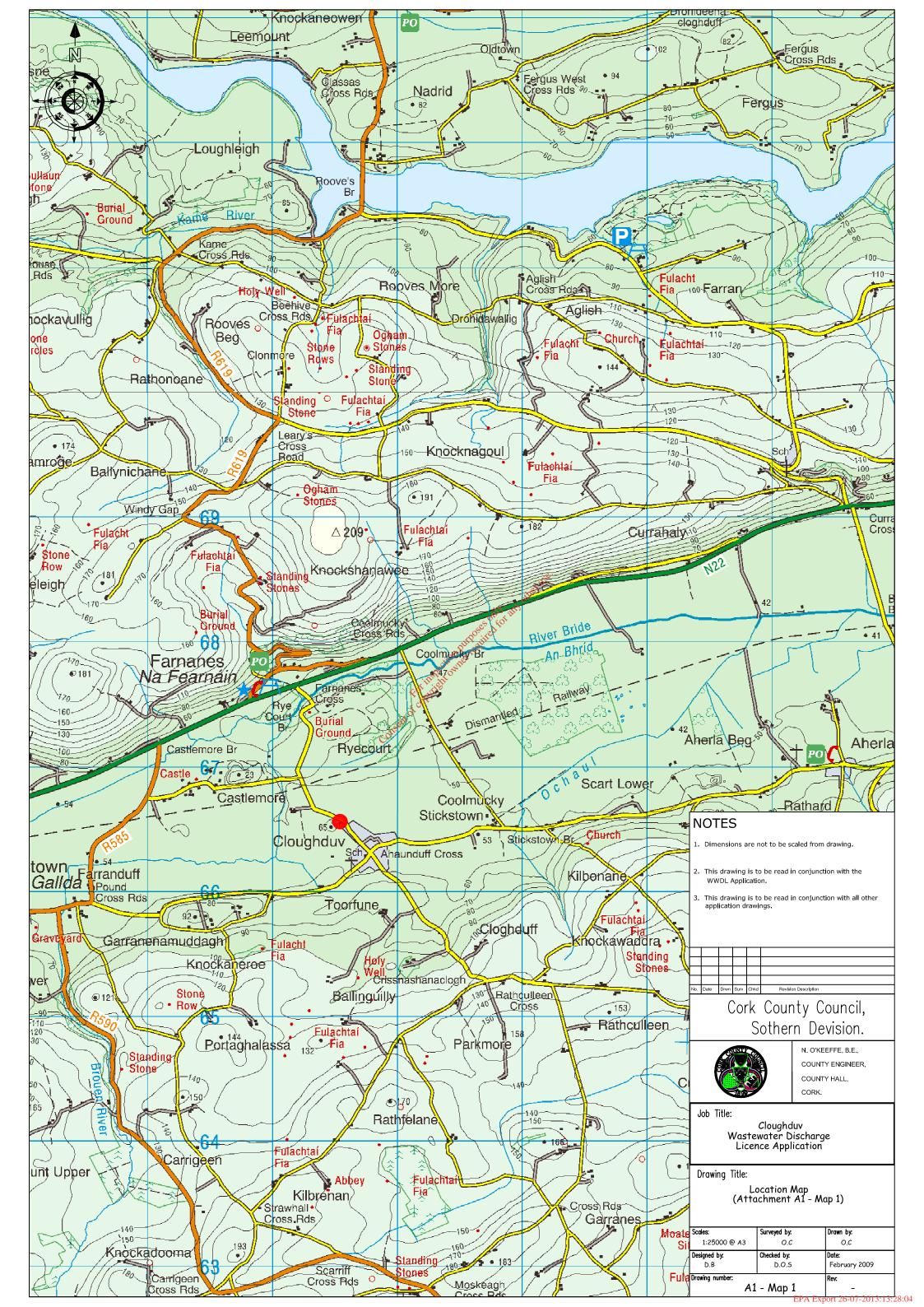
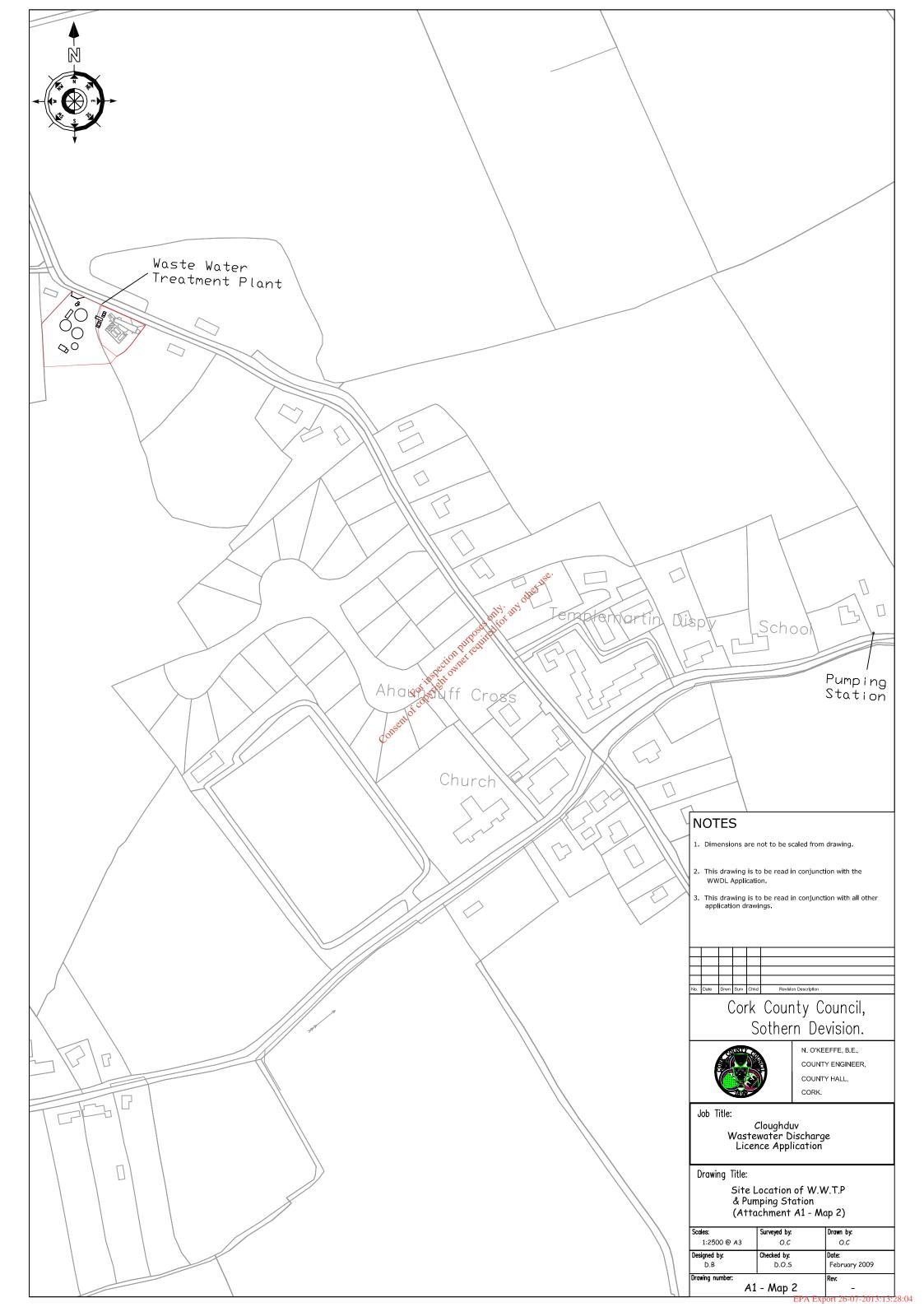
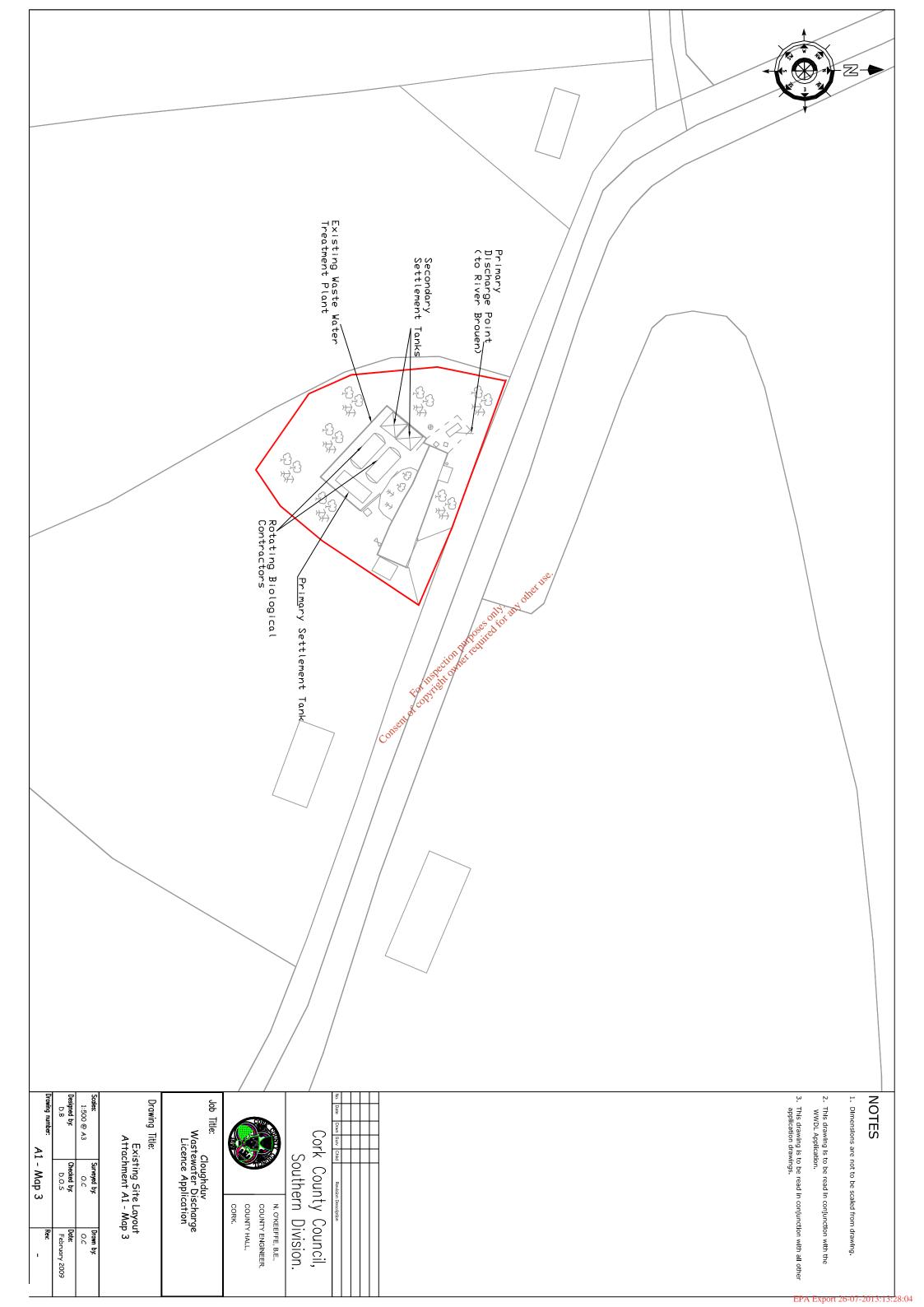
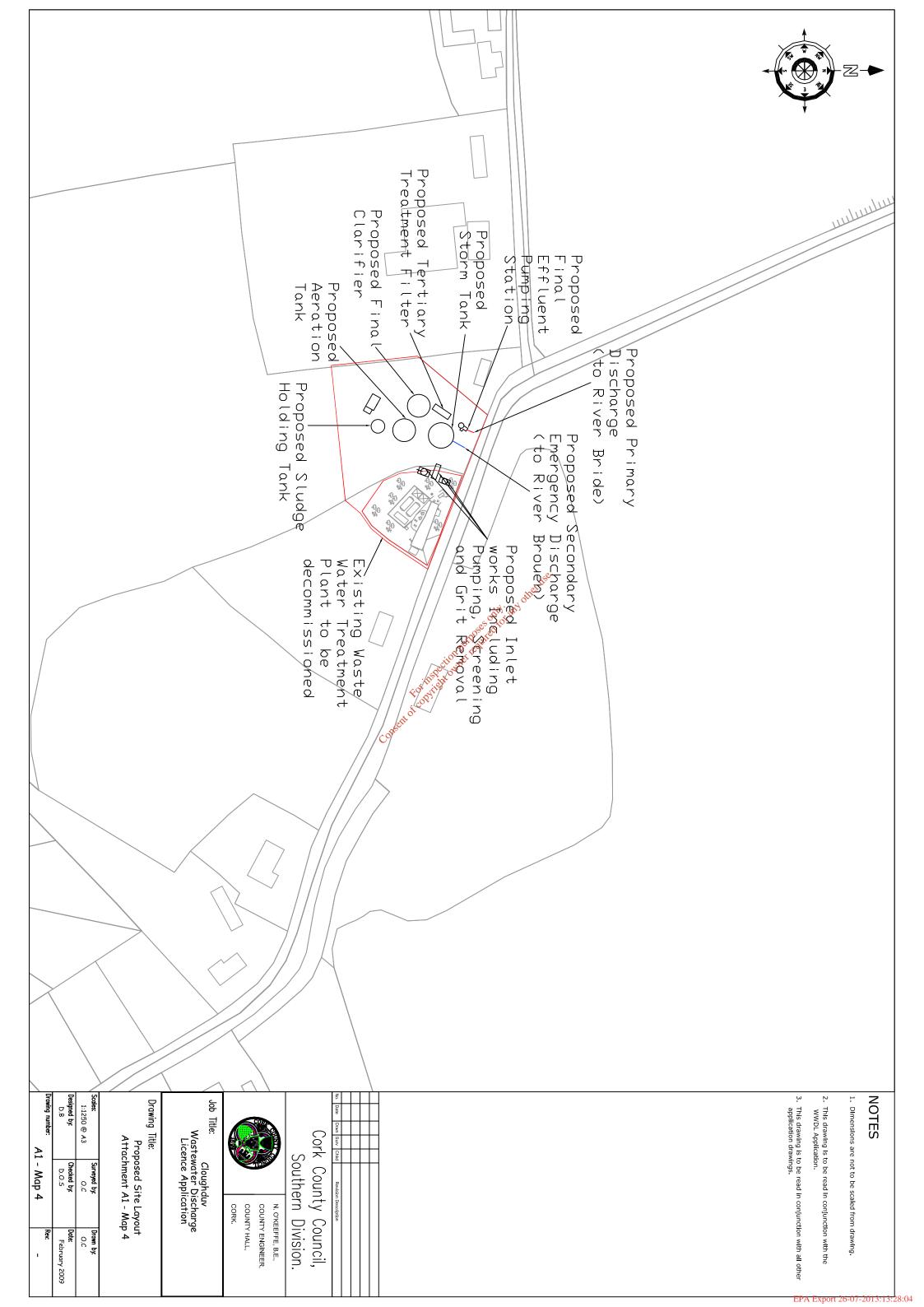
<u>Attachments Table of Contents:</u>

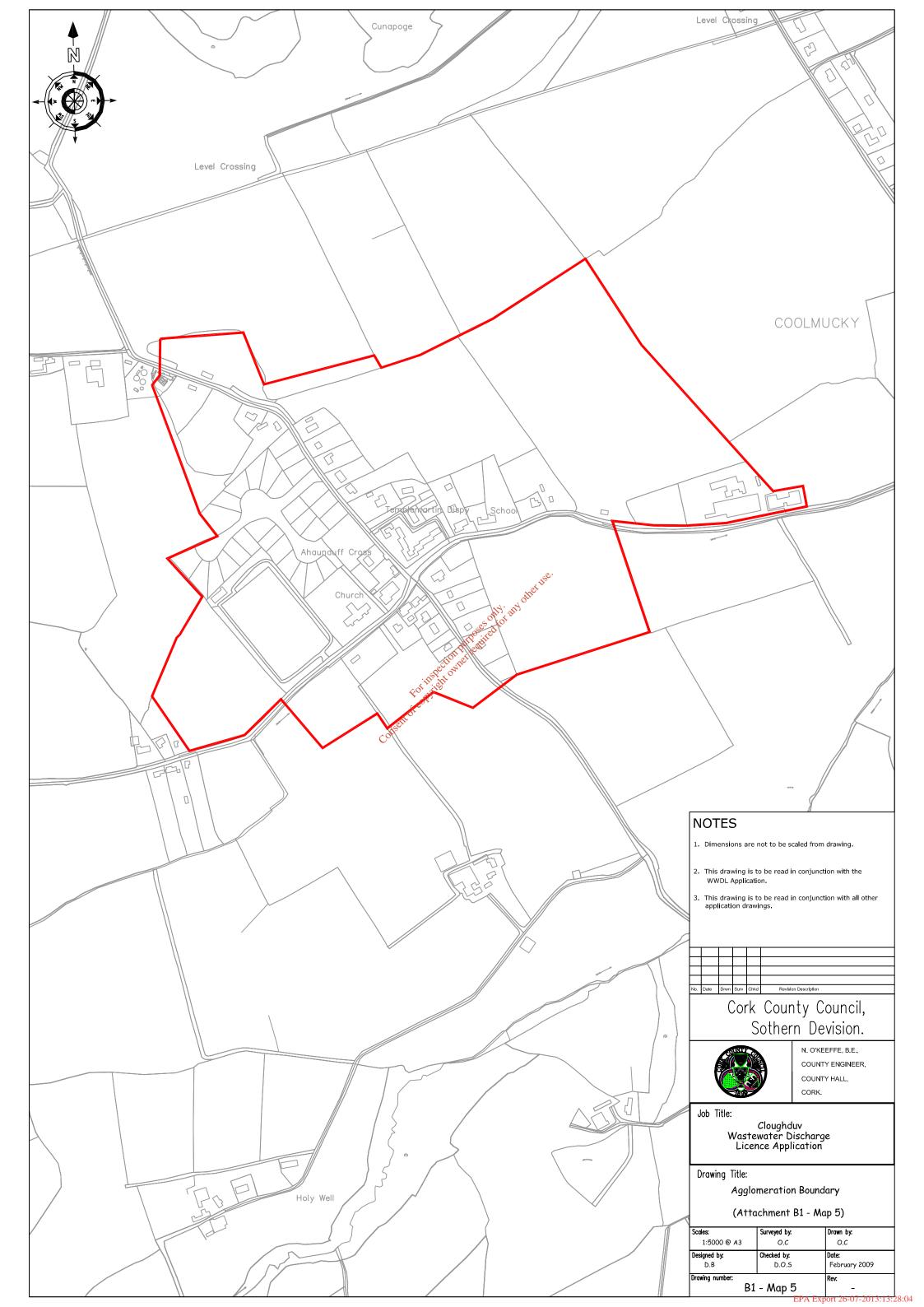
Attachment	Description
A1 Map 1	1:25,000 Location Map
A1 Map 2	Site Location of WWTP & Pumping Stations
A1 Map 3	Existing Site Layout
A1 Map 4	Proposed Site Layout
B1 Map 5	Agglomeration Boundary
B2 Map 6	Location of WWTP
B3 Map 7	Location of Existing Primary Discharge Point
B3 Map 8	Location of Proposed Primary Discharge Point
B4 Map 9	Location of Proposed Secondary discharge Point
B5	Not Applicable
B6	Part VIII Planning
B7	Not Applicable
B8 Map 10	Location of Site Notice
B8	Notice and Advertisement
B10	WSIP Programme
B11	Not Applicable
B12	Not Applicable
C1 Map 11	Location of WWTP
C1 Drg 1	Schematic Showing Existing Treatment Plant Process
C1 Drg 2	Schematic Showing Proposed Treatment Plant Process
C2 Map 12	Location of Discharge Outfatiss
C2 Drg 3	Head Wall Detail and Long Section of Proposed Outfall
Section D2	Discharge Points geo and
E2	Details of Accreditation or Certification of Analysis
Section E3	Monitoring & Sampling Points
E4	Monitoring Data
F1	Laboratory Test Results
	Dixon Brosnan River Bride Assessment
	SWRBD Status Report
	Upstream & Downstream Sampling
F1 Map 13	Extent of the Water Body (River Bride)
F2	Not Applicable
G1	WSIP Programme
	Funding Approval for Service Land Initiative
G2	WSIP Programme
	Laboratory Test Results
G3	WSIP Programme
G4	Not Applicable
Online Data	Online Data submitted to the EPA including Annex

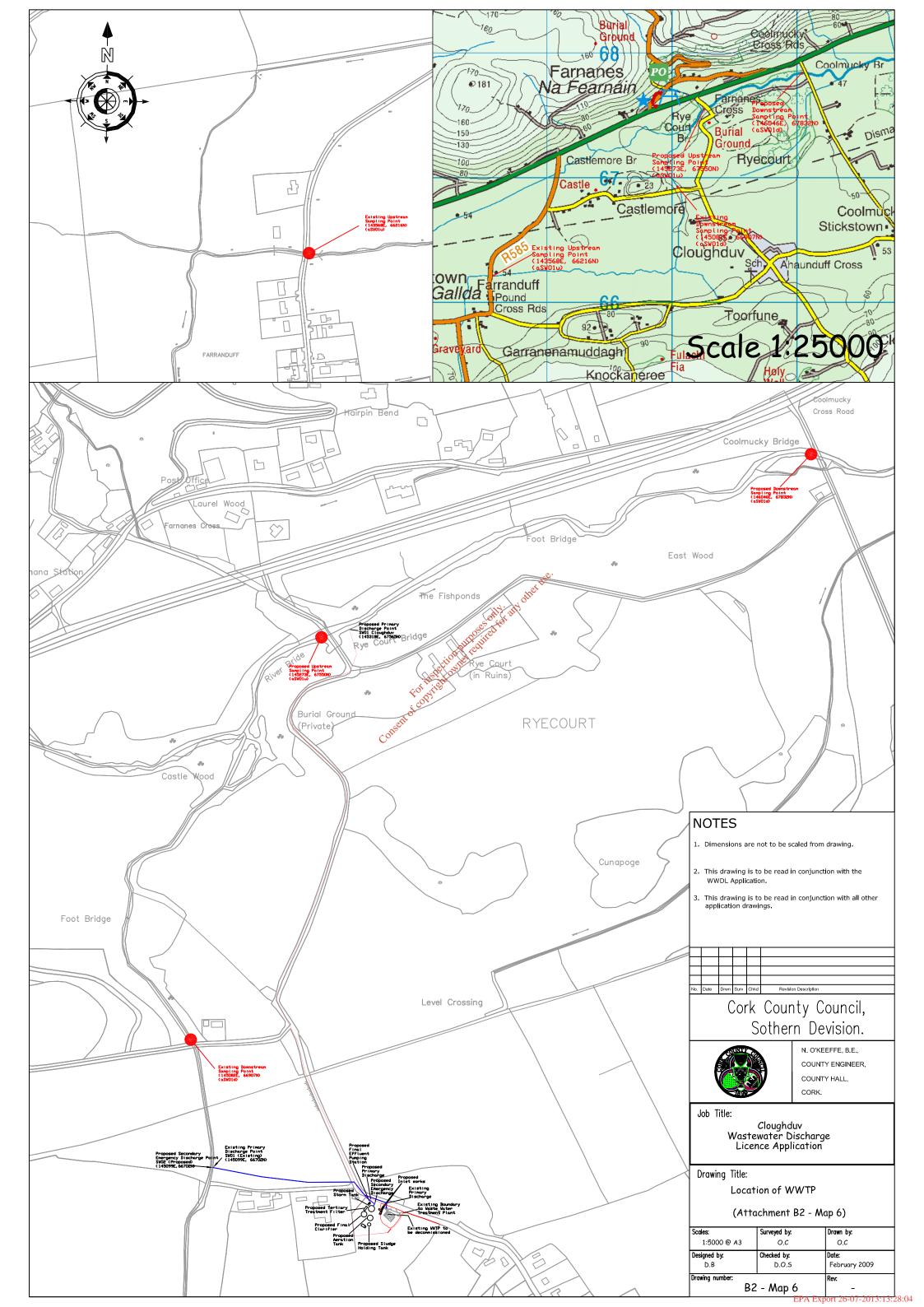


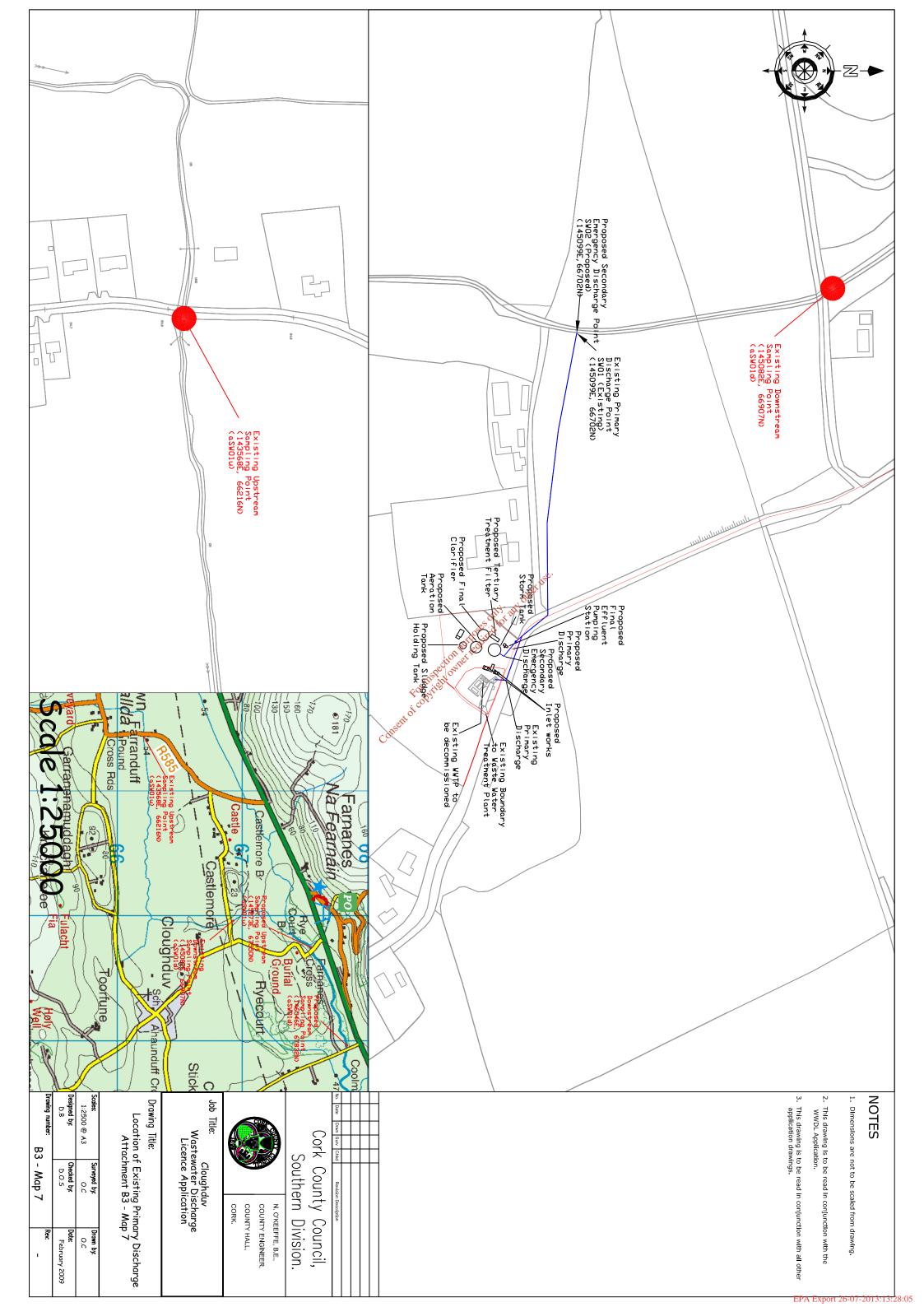


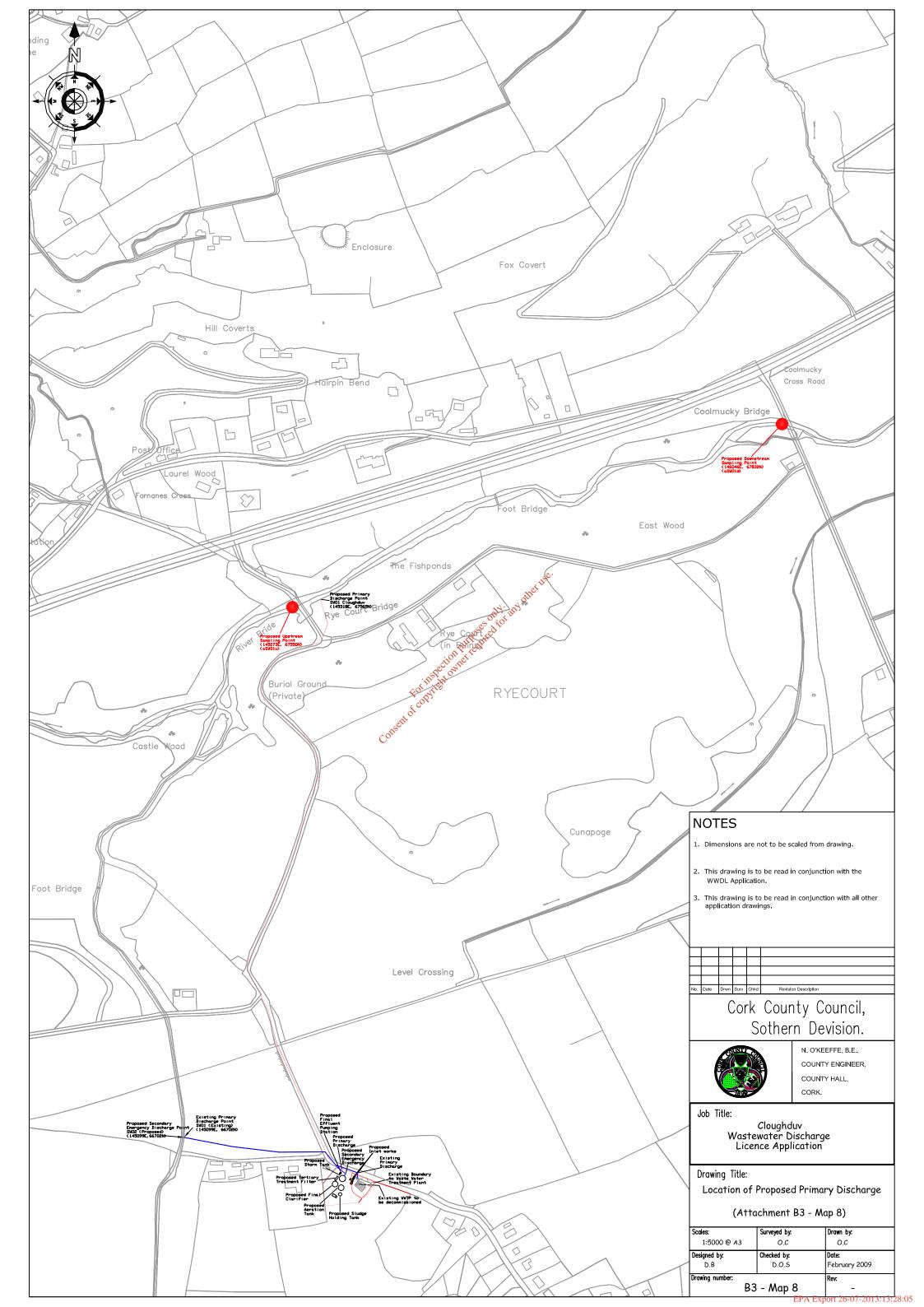


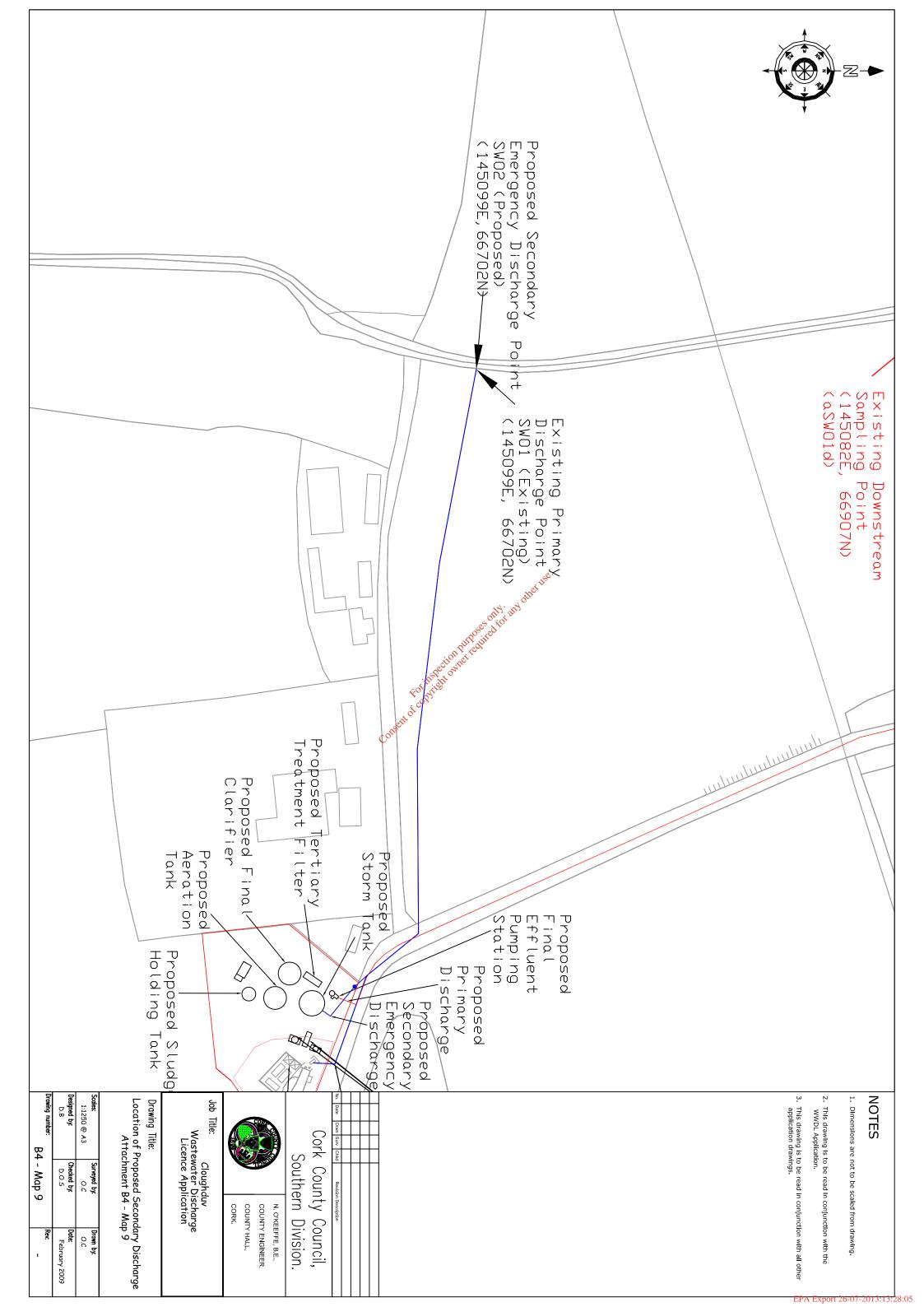








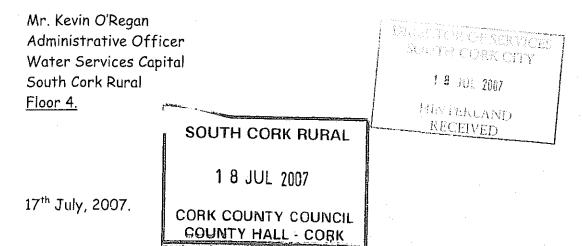




Comhairle Contae Chorcaí Cork County Council

County Hall,
Cork, Ireland.
Tel: (021) 4276891 • Fax: (021) 4276321
Web: www.corkcoco.ie
Halla an Chontae,
Corcaigh, Éire.
Fón: (021) 4276891 • Faics: (021) 4276321
Suíomh Gréasáin: www.corkcoco.ie





Re: Report under Article 179(3)(b) of the Planning & Development Act, 2000.

Report under Article 81 of the Planning & Development Regulations, 2001.

Proposed Extension/Upgrade to the Wastewater Treatment Plant in Cloughduv, Co. Cork.

At the meeting of Cork County Council held on 9^{th} July, 2007, the recommendation of the Southern Committee was approved in respect of the above.

I attach copy letter dated 9th July, 2007, from the Senior Executive Officer, Corporate Affairs.

S.O. OXYYYYY PR. VALERIE HAYES A/SENIOR EXECUTIVE OFFICER SOUTH CORK HINTERLAND.



Comhairle Contae Chorcaí Cork County Council

Ms. Valerie Hayes, A/Senior Executive Officer, South Cork – City Hinterland.

County Hall, Cork, Ireland. Tel: (021) 4276891 • Fax: (021) 4276321 Web: www.corkcoco.ie Halla an Chontae, Corcaigh, Éire. Fón: (021) 4276891 • Faics: (021) 4276321

Suíomh Gréasáin: www.corkcoco.ie



Direct Dial: 021-4285457 Email: helen.bowman@corkcoco.ie

9th July, 2007.

Report under Article 179(3)(b) of the Planning & Development Act, 2000

- Proposed extension to the Waste Water Treatment Plant and Construction of an Underground Pumping Station at Killeens, Co. Cork.
- Proposed extension/upgrade to the Waste Water Treatment Plant in Cloughduv, Co. Cork.
- Construction of 3 no. Houses at Richmond Court, Bandon, Co. Cork.
- Proposed Construction of a Waste Water Treatment Plant at Mogeely, Co. Cork.

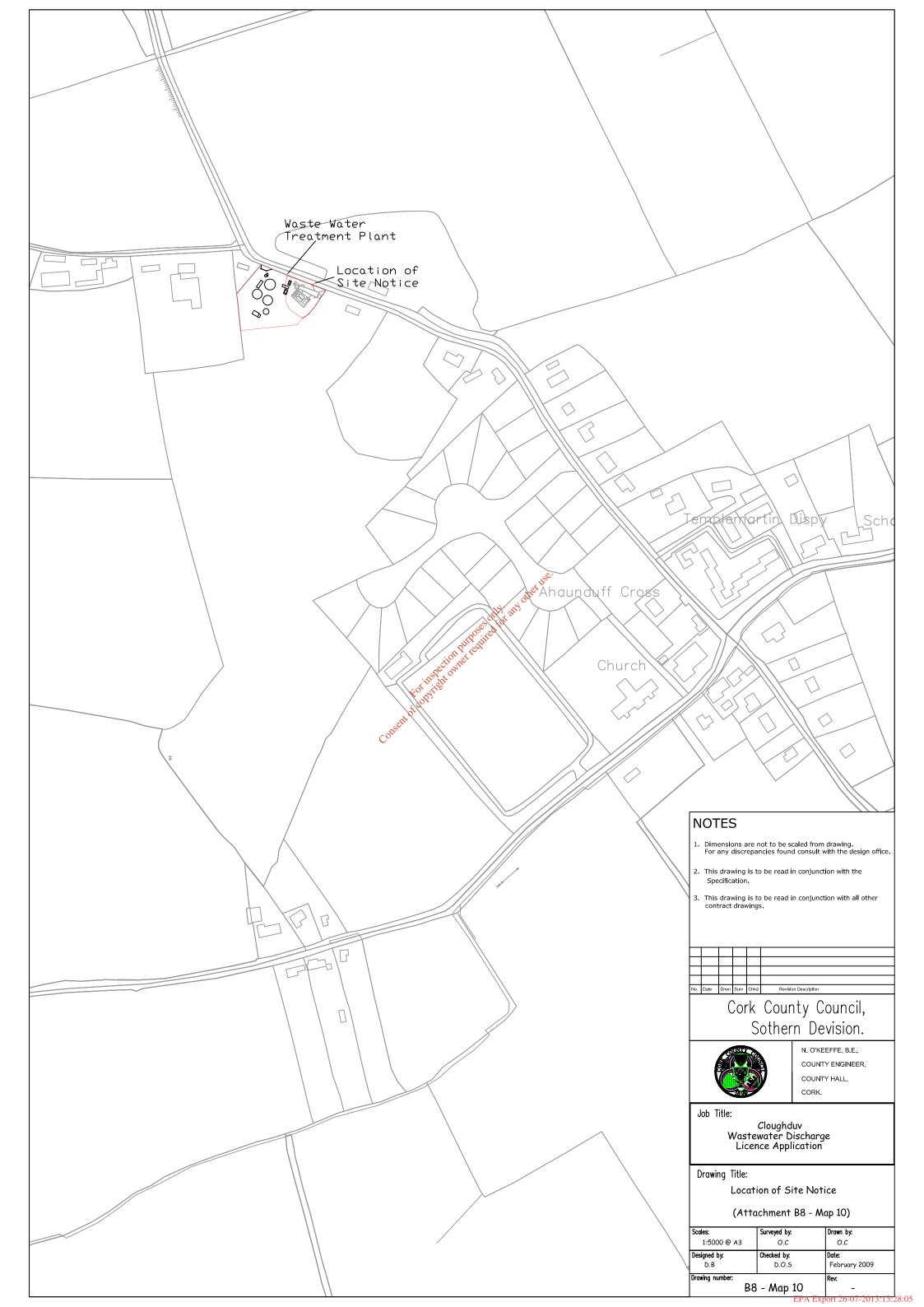
I refer to your letter dated 19th June, 2007, in connection with the above.

At the meeting of Cork County Council held on 9th July, 2007 the recommendations of the Southern Committee were approved.

MAURICE MANNING,

SENIOR EXECUTIVE OFFICER.

DIRECTOR OF SERVICES SOUTH CORK CITY 1 1 JUL 2007 HINTERLAND



Cork County Council Southern Division

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Waste Water Discharge (Authorisation) Regulations 2007, Water Services Southern Division of Cork County Council, Carrigrohane Road, Cork is applying to the Environmental Protection Agency for a Waste Water Discharge Licence for the Agglomeration of Cloughduv at the following locations:

Plant Name	Location	National Grid Ref.
Cloughduv WWTP	Coolmucky, Cloughduv	E145395 N066630

Discharge	Function	Townland	Receptor	Grid Reference
Primary	Main	Coolmucky	River Brouen	E145099 N066702
Primary	Main	Ryecourt	River Bride	E145318 N067565
(Proposed)			osered ,	

A copy of the application for the Waste Water Discharge Licence and 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 the

• Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335599 Telephone: 053-9160600 Fax: 053-9160699 Email:info@epa.ie

and at

• Cork County Council Offices, Water Services South, County Hall, Carrigrohane Road, Co. Cork, Telephone: 021 - 4276891Fax: 021 - 4276321.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters described above

Cork County Council Southern Division



CORK COUNTY COUNCIL SITE NOTICE

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Waste Water Discharge (Authorisation) Regulations 2007, Water Services Southern Division of Cork County Council, Carrigrohane Road, Cork is applying to the Environmental Protection Agency for a Waste Water Discharge Licence for the Agglomeration of Cloughduv at the following locations:

Plant Name	Location and and and	National Grid Ref.
Cloughduv WWTP	Coolmucky, Cloughduv	E145395 N066630

Discharge	Function	Townland	Receptor	Grid Reference
Primary	Main	Coolmucky	River Brouen	E145099 N066702
Primary	Main	Ryecourt	River Bride	E145318 N067565
(Proposed)		of co.		

A copy of the application for the Waste Water Discharge Licence and 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 the

- Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335599 Telephone: 053-9160600 Fax: 053-9160699 Email:info@epa.ie and at
- Cork County Council Offices, Water Services South, County Hall, Carrigrohane Road, Co. Cork, Telephone: 021 4276891Fax: 021 4276321.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters described above



CORK COUNTY COUNCIL

COMHAIRLE CHONTAE CHORCAÍ

PUBLIC NOTICES

NORTHERN DIVISION

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

Regulations 2007, Water Services Northern Division, Cork Count Council, Annabella, Mallow, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Newmarket at the following

	Newmarket WWTP		l	Location	National (rid Ket.
			narket WWTP Newmarket			004
					N106	843
	Discharge	Function	n	Townland	Receptor	Grid Ref.
	Discharge Primary	Function Main	n	Townland Newmarket	Receptor Dalua	Grid Ref. E130956

A copy of the application for the Wastewater Discharge Licence, and 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

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

Cork County Council Offices, Annabella, Mallow, Co. Cork, Tel: 022-21123; Fax: 022-21893

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Northern Division, Cork Count Council, Annabella, Mallow, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Buttevant at the following Location National Cuid Pof

Nauonai Grid Kei.			e Location			Plant Name	
E154564			Waterhouse,		Buttevant WWTP		
	N108924		Buttevant				
Ref.	Grid	Receptor	Townland	on	Function	Discharge	
528	E1545	Awbeg	Waterhouse		Main	Primary	
856	N108						
5	Grid E1545	Receptor	Townland				

A copy of the application for the Wastewater Discharge Licence, and 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

• Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599:

Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

· Cork County Council Offices, Annabella, Mallow, Co. Cork, Tel: 022-21123: Fax: 022-21893.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters described above.

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE In accordance with the Wastewater Discharge (Authorisation)

Regulations 2007, Water Services Northern Division, Cork Count Council, Annabella, Mallow, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Castletownroche at the following Plant Name Location National Grid Ref.

Castletownroche WWTP						
		Castlewidenham	, E16	8556		
		Castletownroche	N10	2313		
Discharge	Function	Townland	Receptor	Grid Ref.		
Primary	Main	Castlewidenham	Awbeg	E168671		
-				N102159		
A copy of the	application	for the Wastewat	er Discharg	e Licence,		

and 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

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

· Cork County Council Offices, Annabella, Mallow, Co. Cork, Tel: 022-21123: Fax: 022-21893.

the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Northern Division, Cork Count Council, Annabella, Mallow, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Doneraile at the following

Doneraile W	oneraile WWTP		Demesne, Doneraile	N107464		
Discharge	Functio	n	Townland	Receptor	Grid Ref.	
Primary	Main		Demesne	Awbeg	E160254	

Plant Name Location National Grid Ref.

A copy of the application for the Wastewater Discharge Licence and 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

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599:

Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

Cork County Council Offices, Annabella, Mallow, Co. Cork, Tel: 022-21123; Fax: 022-21893.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Northern Division, Cork Coun Council, Annabella, Mallow, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Dromahane at the following Plant Name

Location National Grid Ref.

and 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

• Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599: Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

· Cork County Council Offices, Annabella, Mallow, Co. Cork, Tel: 022-21123: Fax: 022-21893. Submissions in relation to the application may be made to

the Environmental Protection Agency at its headquarters

AGENCY FOR A WASTEWATER DISCHARGE LICENCE

Plant Name

PUBLIC NOTICES

NORTHERN DIVISION ADDITION TO THE ENVIRONMENTAL PROTECTION

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Northern Division, Cork Coun Council, Annabella, Mallow, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Kilworth at the following

Location National Grid Ref.

Kilworth WWTP		ı	Knockanohill, Kilworth	E184 N102	
Discharge	Function		Townland	Receptor	Grid Ref.
Primary	Main		Knockanohill	Douglas	E184362
					N102659

A copy of the application for the Wastewater Discharge Licence. and 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

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

Cork County Council Offices, Annabella, Mallow, Co. Cork, Tel: 022-21123; Fax: 022-21893.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Northern Division, Cork County Council, Annabella, Mallow, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Millstreet, Co. Cork at the

Millstreet W	fillstreet WWTP		Drominahilla	E127 N090	7399
Discharge Primary	Function Main	n	Townland Drominahilla		Grid Ref. E127398 N091013

A copy of the application for the Wastewater Discharge Licence, and such further information relating to the application as may b 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

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

Cork County Council Offices, Annabella, Mallow, Co. Cork, Tel: 022-21123; Fax: 022-21893

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters described above.

SOUTHERN DIVISION

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Southern Division of Cork County Council, Carrigrohane Road, Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Ladysbridge at the following locations

Plant Name		1	ocauon	Nauonai (ma Kei.	
Ladysbridge WWTP		lge WWTP Carewswood,		E197033		
		Ladysbridge		N071948		
Discharge	Functio	n	Townland	Receptor	Grid Ref.	
Discharge Primary	Functio Main	n	Townland Ladysbridge			

and 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

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

• Cork County Council Offices, Water Services South, County Hall, Carrigrohane Road, Co. Cork, Tel: 021-4276891;

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Southern Division of Cork County Council, Carrigrohane Road, Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Ballymakeera & Ballyvourney at the following locations:

Plant Name			Location	National Grid Ref.		
Ballymakeera WWTP		Fair Green,		E121370		
,		1	Ballymakeera N076407		5407	
Discharge	Function	-	Townland	Receptor	Grid Ref.	
Primary	Main		Ballymakeera	Sullane	E121490	
					N076158	

A copy of the application for the Wastewater Discharge Licence, and 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

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

 Cork County Council Offices, Water Services South, County Hall, Carrigrohane Road, Co. Cork, Tel: 021-4276891; Fax: 021-4276321.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE n accordance with the Wastewater Discharge (Authorisation)

Regulations 2007, Water Services Southern Division of Cork County Council, Carrigrohane Road, Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Cloughduv at the following Location National Grid Ref.

Cloughduv WWTP		Coolmucky, Cloughduv		E145395 N066630		
Discharge	Functio	n	Townland	Receptor	Grid Ref.	
Primary	Main		Coolmucky	River	E145099	
				Brouen	N066702	
Primary	Main		Ryecourt	River	E145318	
(Proposed)				Bride	N067565	
copy of the application for the Wastewater Discharge Licence.						

and 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 the: Environmental Protection Agency, PO Box 3000, Johnstown

Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

Cork County Council Offices, Water Services South, County Hall, Carrigrohane Road, Co. Cork, Tel: 021-4276891;

Fax: 021-4276321. Submissions in relation to the application may be made to

the Environmental Protection Agency at its headquarters

PUBLIC NOTICES

SOUTHERN DIVISION

Plant Name

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Southern Division of Cork County Council, Carrigrohane Road, Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Cloyne at the following

Cloyne WWTP		Spital, Cloyne		N067799	
Discharge	Functio	n	Townland	Receptor	Grid Ref.
Primary	Main		Cloyne	Stream	E191059
					N067821

Location National Grid Ref.

A copy of the application for the Wastewater Discharge Licence, and 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 the

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

 Cork County Council Offices Water Services South County Hall, Carrigrohane Road, Co. Cork, Tel: 021-4276891; Fax: 021-4276321

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Southern Division of Cork County Council, Carrigrohane Road, Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Killeagh at the following locations:

Plant Name		Location		National Grid Ref.		
Killeagh WWTP		Moanlahan,		E200693		
	I		Killeagh	N076475		
	Function					
Discharge	Function	on	Townland	Receptor	Grid Ref.	
Primary	Main	on	Townland Killeagh	Receptor Dissour	Grid Ref. E200709	

A copy of the application for the Wastewater Discharge Licence, and 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 the

 Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie • Cork County Council Offices, Water Services South

County Hall, Carrigrohane Road, Co. Cork, Tel: 021-4276891: Fax: 021-4276321. Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Southern Division of Cork County Council, Carrigrohane Road, Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Agglomeration of Killeens at the following

				~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		
Plant Name		Location		National Grid Ref.		
Killeens WWTP			Rathpeacon E164092			
			Killeens	N075	5447	
Discharge	Functio	n	Townland	Receptor	Grid Ref.	
Primary	Main		Monard	Blarney	E163793	
		25	d Mile	River	N075646	
A copy of the application for the Wastewater Discharge Licence, and such further information relating to the application as may be						

furnished to the regard 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 the Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599
Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

· Cork County Council Offices, Water Services South County Hall, Carrigrohane Road, Co. Cork, Tel: 021-4276891; Fax: 021-4276321.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

WESTERN DIVISION

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation Regulations 2007, Water Services Western Division, Cork County Council, Courthouse, Skibbereen, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for Castletownbere agglomeration at the following locations

Dischaute Francisco Toronton | December | Cold Def

Discharge	runcuon	Townland	Keceptor	Grid Kei.
Primary	Major	Foildarrig	Castletownbere	E68028
			Harbour	N46138
Secondary	Minor	Derrymihin	Castletownbere	E68344
		West	Harbour	N46342
Secondary	Minor	Derrymihin	Castletownbere	E68614
		West	Harbour	N46024
Secondary	Minor	Cametringane	Castletownbere	E67654
			Harbour	N45745
Secondary	Minor	Drom North	Groundwater	E67462
				N45370
Secondary	Minor	Foildarrig	Groundwater	E67997
				N46481

A copy of the application for the Wastewater Discharge Licence. and 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 the:

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599: Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

Cork County Council Water Services, Courthouse, Skibbereen

Co. Cork, Tel: 028-21299; Fax: 028-21995. Submissions in relation to the application may be made to

the Environmental Protection Agency at its headquarters described above. APPLICATION TO THE ENVIRONMENTAL PROTECTION

AGENCY FOR A WASTE WATER DISCHARGE LICENCE In accordance with the Wastewater Discharge (Authorisation)

Regulations 2007, S.I. No. 684 of 2007, Water Services (Western Division), Cork County Council, Courthouse, Skibbereen, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for Schull Agglomeration at the following locations: Discharge Function Townland Receptor Grid Ref.

Secondary	Minor		Schull	E092885
			Harbour	N031142
plant at Meer 031613N). It	nvane, Schull is proposed t	ooses to provid , Co. Cork, Gr o discharge tr Channel. The p	id Reference eated wastew	(093057E, ater from

detailed in the table below

Meenvane Schull E093171 Harbour N031557

Discharge Function Townland Receptor Grid Ref. Long Island Channel N029466 A copy of the application for the Wastewater Discharge Licence, and such further information relating to the application as may b furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by

• Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599; Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

Co. Cork, Tel: 028-21299; Fax: 028-21995

the Agency, be available for inspection or purchase at the

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

· Cork County Council Water Services, Courthouse, Skibbered

PUBLIC NOTICES

WESTERN DIVISION

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Western Division, Cork County Council, Courthouse, Skibbereen, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for Baltimore agglomeration at the following locations:

Danimore copue rum			N26		
Discharge	Function	Townland	Receptor	Grid Ref.	
Primary	Major	Baltimore	Baltimore	E104654	
			Harbour	N26639	
	-		Harbour	N26639	

Location National Grid Ref.

Cork County Council proposes to upgrade the wastewater treatment plant at Baltimore, Skibbereen, Co. Cork, Grid Reference (E104740, N26866). It is proposed to discharge treated wastewater from this plant to Baltimore Harbour. The proposed location is detailed in the table below:

Frimary	Major	Башпоге	Harbour	
		or the Wastew		

Discharge Function Townland Receptor Grid Ref.

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 Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599;

Plant Name

Cork County Council Water Services, Courthouse, Skibbereen Co. Cork, Tel: 028-21299; Fax: 028-21995.

Tel: 053-9160600: Fax: 053-9160699: Email:info@ena.ie

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Western Division, Cork County Council, Courthouse, Skibbereen, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for Courtmacsherry agglomeration at the following locations

Location National Grid Ref.

Cour arracor.		Cour tinace			2742
Discharge	Function	Townland	Rece	ptor	Grid Ref
Primary	Main	Cullenagh	Court	macsherry	E150732
			Estua	ry	N042818
Secondary	Minor	Cullenagh	Court	macsherry	E150106
			Estua	ry	N042711

Cork County Council proposes to construct a new wastewater

treatment plant at Cullenagh, Courtmacsherry, Co. Cork, Grid Reference (E149710, N042520). It is proposed to discharge treated wastewater from this plant to Courtmacsherry Estuary. The proposed location is detailed in the table below: Discharge Function Townland Receptor Grid Ref.

1111111111			Estuary	N042818				
			Estuai y	11042010				
A copy of the	A copy of the application for the Wastewater Discharge Licence,							
and such further information relating to the application as may b								
furnished to	the Agency	in the course	e of the Agency's	3				

consideration of the Application shall, as soon as is practicable

after receipt by the Agency, be available for inspection or

Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599: Tel: 053-9160600; Fax: 053-9160699; Email:info@epa.ie

Cork County Council Water Services, Courthouse, Skibbereen Co. Cork, Tel: 028-21299; Fax: 028-21995.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters described above.

CLOSING DATE FOR HIGHER EDUCATION GRANT APPLICATIONS

The closing date for receipt of Higher Education Grant applications for the 2008/'09 academic year is February 27th 2009. Cork County Council's Higher Education Grants Office wil not accept applications after this date.

FORM OF NOTICE OF A COMPULSORY PURCHASE ORDER UNDER SECTION 76 OF AND THE THIRD SCHEDULE TO THE HOUSING ACT, 1966, AS EXTENDED BY SECTION 10 OF THE LOCAL GOVERNMENT (NO. 2) ACT, 1960, TO BE PUBLISHED IN ACCORDANCE WITH ARTICLE 4 (a) OF THE THIRD SCHEDULE TO THE HOUSING ACT, 1966, AS AMENDED BY THE PLANNING AND DEVELOPMENT

COMPULSORY ACQUISITION OF LAND

Cork County Council Aherla Water Supply Scheme Compulsory Purchase Order 2009

The Cork County Council (hereinafter referred to as "the local authority"), in exercise of the powers conferred upon them by section 76 of the Housing Act, 1966, and the Third Schedule thereto, as extended by section 10 of the Local Government (No. 2 Act, 1960 as substituted by section 86 of the Housing Act, 1966 as amended by section 6 and the Second Schedule to the Roads Act. 1993 and as amended by the Planning and Development Act, 2000 have made an order entitled as above which is about to be submitted to An Bord Pleanála for confirmation. If confirmed, the order will authorise the local authority to acquire compulsorily the land described in the Schedule hereto for the purposes of the Aherla Water Supply Scheme

Owners, lessees and occupiers of the land described in the

The Board cannot confirm a compulsory purchase order in respect of the land if an objection is made in respect of the acquisition by an owner, lessee or occupier of the land, and not withdrawn, until it has caused to be held an oral hearing into the matter and until it has considered the objection and the report of the person who held the oral hearing.

A copy of the order and of the map referred to in it may be seen at all reasonable hours at (1) Property & Housing Capital Department, Floor 11, County Hall, Cork or (2) Water Services Investment Project Office, Cork County Council, Model Business Park, Model Farm Road, Cork

SCHEDULE Land other than land consisting of a house or houses unfit for

human habitation and not capable of being rendered fit for human habitation at reasonable expense.

•	Number on map deposited at the offices of the local authority	Quantity, description and situation of the land	Owners or reputed owners	or reputed	Occupiers (except tenants for a month or a less period than a month)
,	CP 1	Area Ha: 0.2102 Type: Land Townland: Aherla DED: Templemartin County: Cork	Sean & Bridget Desmond, Kilcrea, Ovens, Co. Cork.	None	Owner

Dated this 20th day of February, 2009 Maurice Manning, Senior Executive Officer

ROADS

TEMPORARY CLOSURE OF PUBLIC ROAD -

Notice is hereby given that, pursuant to Section 75 of the Roads Act, 1993, the following road will be closed to public traffic on Cuesday, 3rd March 2009 from 8.30am to 5.00pm:

Road to be closed:

The Old Trabolgan Road at Whitegate Playground.

R603 - Main Road, Whitegate

The purpose of the temporary closure is to facilitate the laying of

Director of Services, Area Operations, Floor 5, County Hall, Cork.

TEMPORARY CLOSURE OF PUBLIC ROAD -

Notice is hereby given that, pursuant to Section 75 of the Roads Act, 1993, the following road will be closed to public traffic from 8.00am on Monday, 2nd March 2009 to 5.00pm on Thursday, 9th

Road to be closed:

Via Waterrock on the L3618 and the N25 Cork to Midleton Road. Via the Hedgey Boreen and the N25 Cork to Midleton Road.

The purpose of the temporary closure is to facilitate the construction of the Glounthane/Midleton Railway Scheme

Director of Services, Area Operations, Floor 5, County Hall, Cork.

PLANNING

PLANNING AND DEVELOPMENT ACTS 2000-2007

PROPOSED CORK SCIENCE, INNOVATION AND TECHNOLOGY PARK

relation to the development of a Science, Innovation and Technology Park at Curraheen, on the western side of Cork City. Following the public consultation exercise and consideration of

An Information Leaflet has been prepared which aims to promote public debate on how the proposed Science Park should develop and will be available from 23rd February, 2009. The publication of this leaflet is the first step in the process leading to the Amendment of the Carrigaline Electoral Area Local Area Plan and Consequential Variation to the County Development Plan, A public information day is also planned where staff will be available to discuss this proposal in further detail. This information day will

The information leaflet will be available during normal working · Planning Department, Floor 1, County Hall, Cork

Bandon and Blarney

www.corkcoco.ie

Informal submissions or observations can be made and these will be considered before the Proposed Amendment is prepared. Any person or organisation with an interest is hereby invited to send their comments in writing to:

> The Senior Planner, Cork County Council. Planning Policy Unit, Floor 13 County Hall,

ons can be sent to sciencepark@corkcoco.ie Submissions or observations made by email must include the full name and address of the person making the submission.

Dated: This 20th Day of February, 2009

TENDERS Cork County Council invites tenders for the provision of a Fuel

Rural Water, Planning & Coastal, Area Operations South seeks tenders for the supply, delivery, installation and commissioning of fixed permanent gas detection equipment at the

Cork County Council (Northern Division) invites tenders for a single storey side extension to an existing rural cottage to include site works involving the installation of a waste treatment plant at

Closing date for the receipt of tenders is Friday, 27th March 2009 at 16,00hrs.

Cork County Council (Northern Division) invites tenders for a single storey rear extension to an existing end of terrace dwelling at Mitchelstown, Co. Cork.

*Area Operations (South Cork), Roads Department invites tenders from competent Contractors for Road Strengthening, Road Surfacing and Footpath Works in the South Cork Division

March 2009 at 17.00hrs.

*Cork County Council invites tenders from suitably qualified

contractors for the construction of 1900 linear metres of watermain at the Rochestown Road. Closing date for the receipt of tenders is Friday, 20th March 2009 at 16.00hrs.

*Cork County Council is inviting applications for inclusion in a

Closing date for receipt of applications is Thursday, 2nd April 2009 at 16.00hrs.

framework agreement for the processing and recycling of co-

INVITATION TO MAKE INFORMAL SUBMISSIONS Cork County Council are commencing public consultation in

submissions made, the Council will prepare a Draft Amendment to the Carrigaline Electoral Area Local Area Plan and a consequential Draft Variation to the Cork County Development Plan 2009, which will also be the subject of public consultation.

be held from 4.00 p.m. to 8.00 p.m. on Tuesday, 3rd March 2009, in the Foyer, Floor 1, County Hall, Cork.

 Planning Policy Unit, Floor 13, County Hall, Cork Council Offices in Ballincollig, Douglas, Carrigaline

 Public Libraries (Ballincollig, Wilton, Douglas, Carrigaline Grand Parade, Bandon, Blarney and County Library, Model

and to download or view on the County Council's web-site

Informal Submissions:

Tel: 021 4285900

The final date on which submissions or observations in response to this invitation can be made is: 23rd March, 2009

Signed: Head of Forward Planning & Strategic Development

Discount Card System to the Council. Closing date for the receipt of tenders is Friday, 3rd April 2009 at 16.00hrs

Glanmire and Little Island Pumping Stations Closing date for the receipt of tenders is Friday, 10th April

Ballybeg, Mitchelstown, Co. Cork.

Closing date for the receipt of tenders is Friday, 27th March 2009 at 16.00hrs.

for the year 2009. Closing date for the receipt of tenders is Friday, 13th

*Full details available on www.etenders.gov.ie

mingled dry recyclable waste

www.corkcoco.ie

Cork County

Water Services Investment Programme 2007 - 2009

Schemes at Construction	W/S	Est. Cost	Schemes to start 2009 contd.	W/S	Est. Cost
Cork North			Cork South		
Mitchelstown Sewerage Scheme			Ballincollig Sewerage Scheme (Upgrade) (G)	S	22,248,000
(Nutrient Removal)	S	221,000	Cork Lower Harbour Sewerage Scheme (excl. Crosshaven		73,542,000
			Shannagarry/ Garryvoe/ Ballycotton Sewerage Scheme	S	3,780,000
Cork South			Youghal Sewerage Scheme	S	14,420,000
Ballyvourney/ Ballymakeery Sewerage Scheme	S	3,049,000	roughal Sewerage Scriente	3	14,420,000
Cobh/ Midleton/ Carrigtwohill Water Supply Scheme Cork Lower Harbour Sewerage Scheme	W	10,135,000	Cork West		
(Crosshaven SS) (G)	S	4,850,000		C	692,000
Cork Water Strategy Study (G)	W	941,000	Ballydehob Sewerage Scheme	S	683,000
Kinsale Sewerage Scheme	S	20,000,000	Bantry Water Supply Scheme	W	14,935,000
Midleton Sewerage Scheme (Infiltration Reduction) ((G) S	2,078,000	Clonakilty Sewerage Scheme (Plant Capacity Increase)	S	3,677,000
		41,274,000	Courtmacsherry/ Timoleague Sewerage Scheme	S	2,472,000
Schemes to start 2007			Dunmanway Regional Water Supply Scheme Stage 1	W	12,669,000
					164,629,000
Cork North			Serviced Land Initiative		
North Cork Grouped DBO Wastewater Treatment	0	E 4E0 000			
Plant (Buttevant, Doneraile & Kilbrin)	S	5,150,000	Cork North		
Cork West			Ballyclough Water Supply Scheme	W	139,000
Skibbereen Sewerage Scheme	S	20,000,000	Ballyhooley Improvement Scheme	W/S	139,000
		25,150,000	Broghill-Raingoggin Sewerage Scheme	S	406,000
Schemes to start 2008			Bweeng Water Supply Scheme	W	115,000
		- D	Courchtown Sewerage Scheme (incl. Water)	W/S	543,000
Cork North		oction	Clondulane Sewage Treatment Plant	S	417,000
Mallow/ Ballyviniter Regional Water Supply Scheme	(H) W	8,652,000 8,400,000	Freemount Sewerage Scheme	S	150,000
Mallow Sewerage Scheme (H)	S	\$,4Q8;000	Pike Road Sewerage Scheme (incl. Water)	W/S	2,080,000
Ocals Ocasilis		948,000 1,296,000	Rathcormac Sewerage Scheme (incl. Water)	W/S	555,000
Cork South	S) C &	948,000	Spa Glen Sewerage Scheme	S	736,000
Ballincollig Sewerage Scheme (Nutrient Removal) (C Ballingeary Sewerage Scheme	عام الم	1,296,000	Uplands Fermoy Sewerage Scheme (incl. Water)	W/S	1,174,000
Bandon Sewerage Scheme Stage 2	S	14,729,000	Watergrasshill Water Supply Scheme (incl. Sewerage) (G)	W/S	4,151,000
City Environs (CASP) Strategic Study (G)	S	153,000			
Cloghroe Sewerage Scheme (Upgrade)	S	683,000	Cork South		
Coachford Water Supply Scheme	W	1,318,000	Ballincollig Sewerage Scheme (Barry's Rd Foul and		
Garrettstown Sewerage Scheme	S	2,153,000	Storm Drainage) (G)	S	1,164,000
Inniscarra Water Treatment Plant Extension Phase 1		2,678,000	Belgooley, Water Supply Scheme (incl. Sewerage)	W/S	2,913,000
Little Island Sewerage Scheme (G)	S	2,200,000	Blarney Water Supply Scheme (Ext. to Station Rd) (G)	W	416,000
			Carrigtwohill Sewerage Scheme (Treatment and		,,,,,,
Cork West			Storm Drain) (G)	S	7,632,000
Bantry Sewerage Scheme	S	7,148,000	Castlematyr Wastewater Treatment Plant Extension	S	1,200,000
Dunmanway Sewerage Scheme	S	2,153,000	Crookstown Sewerage Scheme (incl. Water)	W/S	1,200,000
Leap/ Baltimore Water Supply Scheme	W	6,365,000	Dripsey Water Supply Scheme (incl. Sewerage)	W/S	1,112,000
Schull Water Supply Scheme	W	5,253,000	Glounthane Sewerage Scheme (G)	S	1,576,000
		61,137,000		S	
Schemes to start 2009			Innishannon Sewerage Scheme		277,000
			Innishannon Wastewater Treatment Plant	S	694,000
Cork North			Kerrypike Sewerage Scheme	S	832,000
Banteer/Dromahane Regional Water Supply Scheme		1,576,000	Kerrypike Water Supply Scheme	W	416,000
Contain Meter Supply Scheme Extension	W	2,627,000	Killeagh Wastewater Treatment Plant Extension	S	1,200,000
Cork NW Regional Water Supply Scheme	W W	4,326,000	Killeagh Water Supply Scheme (includes Sewerage)	W/S	485,000
Cork NW Regional Water Supply Scheme Millstreet Wastewater Treatment Plant (Upgrade)	VV S	6,046,000 1,628,000	Killeens Sewerage Scheme	S	420,000
willow out wastewater freatment fram (opgrade)	J	1,020,000	Kilnagleary Sewerage Scheme	S	694,000
			Midleton Wastewater Treatment Plant Extension	S	4,050,000

Cork County contd.

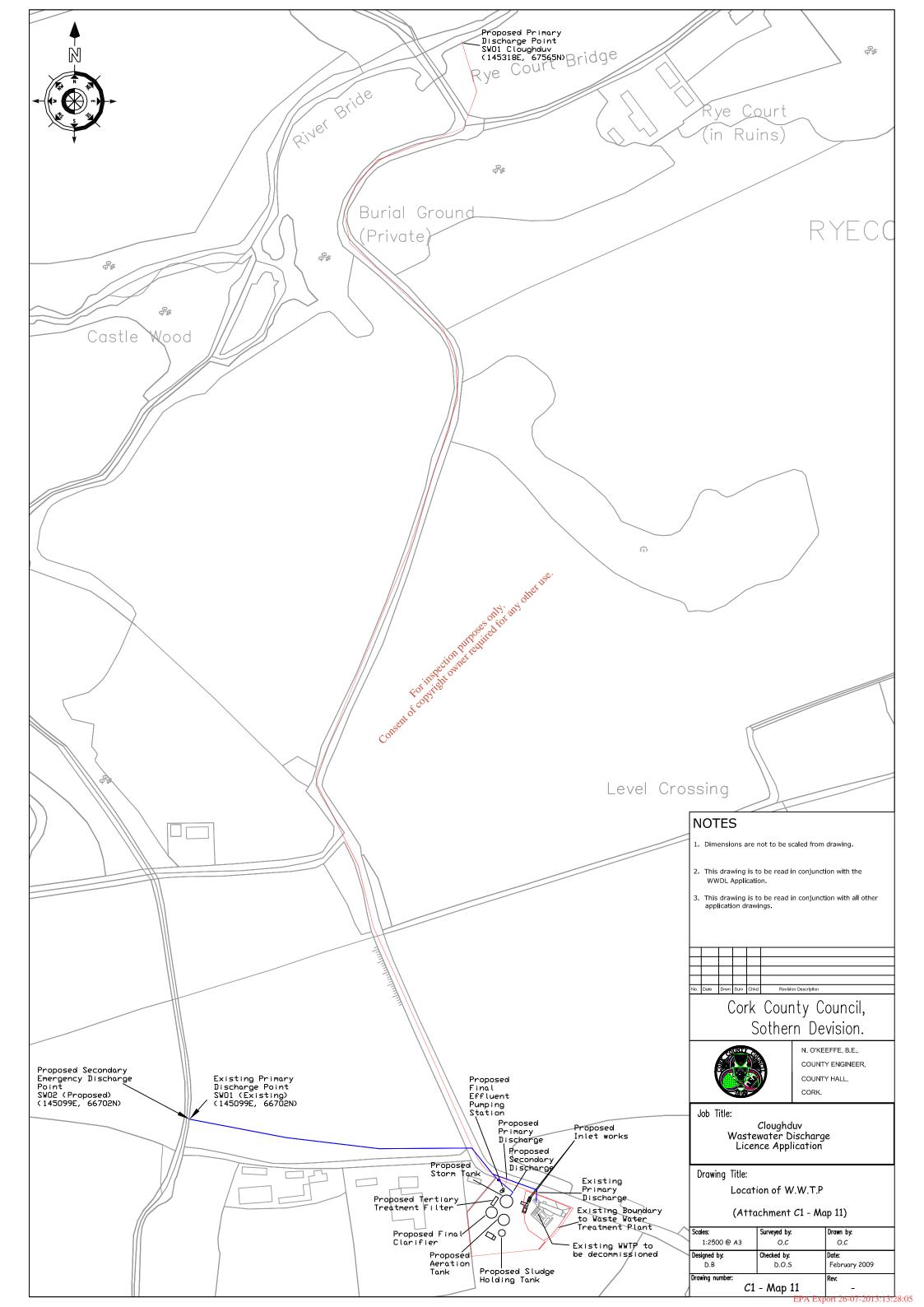
Water Services Investment Programme 2007 - 2009

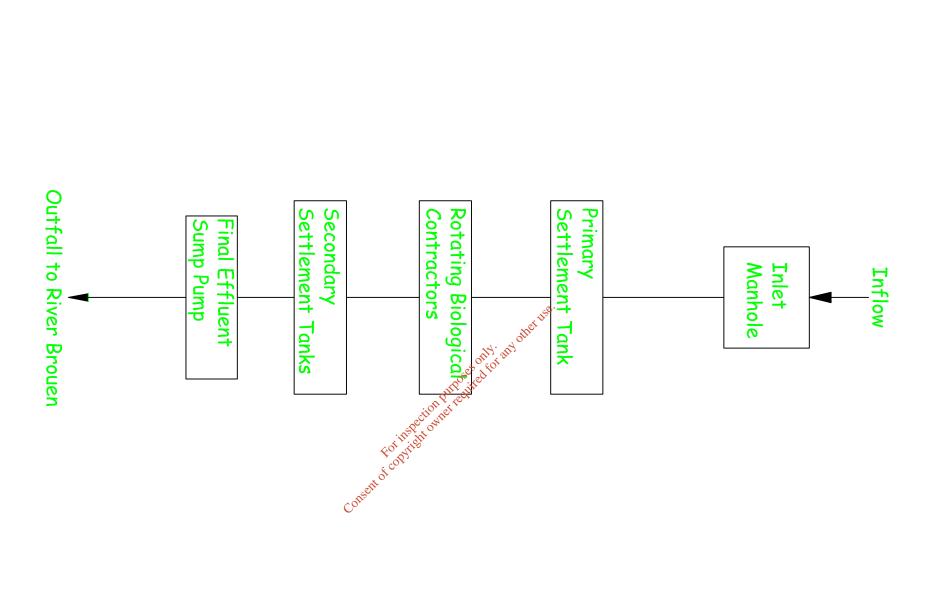
Serviced Land Initiative contd.	W/S	Est. Cost	Schemes to Advance through Planning cond.	W/S	Est. Cost
Cork South contd.			Cork South		
Mogeely, Castlemartyr & Ladysbridge Water Supply Scher	me W	2,566,000	Carrigtwohill Sewerage Scheme (G)	S	20,000,000
North Cobh Sewerage Scheme (G)	S	3,193,000	Cork Sludge Management (G)	S	14,420,000
Riverstick Water Supply Scheme (incl. Sewerage)	W/S	525,000	Cork Water Supply Scheme (Storage - Mount Emla,		
Rochestown Water Supply Scheme	W	2,700,000	Ballincollig & Chetwind) (G)	W	8,500,000
Saleen Sewerage Scheme	S	1,051,000	Inniscarra Water Treatment Plant (Sludge Treatment)(G)W	5,356,000
Youghal Water Supply Scheme	W	2,300,000	Macroom Sewerage Scheme	S	5,150,000
			Minane Bridge Water Supply Scheme	W	1,421,000
Cork West					
Castletownshend Sewerage Scheme	S	1,576,000	Cork West		
		50,797,000	Bantry Regional Water Supply Scheme (Distribution)	W	9,455,000
Rural Towns & Villages Initiative			Cape Clear Water Supply Scheme	W	1,679,000
			Castletownbere Regional Water Supply Scheme	W	8,405,000
Cork North			Glengarriff Sewerage Scheme	S	2,500,000
Buttevant Sewerage Scheme (Collection System)	S	2,446,000	Roscarberry/Owenahincha Sewerage Scheme	S	1,576,000
Doneraile Sewerage Scheme (Collection System)	S	1,738,000	Skibbereen Regional Water Supply Scheme Stage 4	W	7,880,000
			Water Conservation Allocation Water Management Study South Western River Basin District (WFD) Project 1		95,646,000
Cork South			ald, ald		
Innishannon (Ballinadee/ Ballinspittle/ Garrettstown)			Water Conservation Allocation		12,206,000
Water Supply Scheme	W	6,726,000	Water Conservation Allocation The Conservation Allocation Asset Management Study South Western River Basin District (WFD) Project 1		
		, and	Asset Management Study		300,000
Cork West		geofic with	9		
Ballylicky Sewerage Scheme	S	2,158,000	South Western River Basin District (WFD) Project ¹		9,400,000
Baltimore Sewerage Scheme	S	3,02,000			
Castletownbere Sewerage Scheme	S	5,202,000		401	- 400 000
Schull Sewerage Scheme	S Consent	3,523,000	Programme Total	48	5,489,000
	Cotte	24,950,000			
Schemes to Advance through Planning					
Cork North					
Mitchelstown North Galtees Water Supply Scheme	W	3,152,000			
Mitchelstown Sewerage Scheme	S	3,000,000			
Newmarket Sewerage Scheme	S	3,152,000			

¹ This project is being led by Cork County Council on behalf of other authorities in the River Basin District

⁽H) Refers to a Hub as designated in the National Spatial Strategy

⁽G) Refers to a Gateway as designated in the National Spatial Strategy





NOTES

- Dimensions are not to be scaled from drawing.
- This drawing is to be read in conjunction with the WWDL Application.
- This drawing is to be read in conjunction with all other application drawings.

			Drawing Title:
Attachment C1 - Drawing 1	Treatment Plant process	Schematic showing Existing	Title:

Job Title:

COUNTY HALL, COUNTY ENGINEER, N. O'KEEFFE, B.E., Cork County Council,

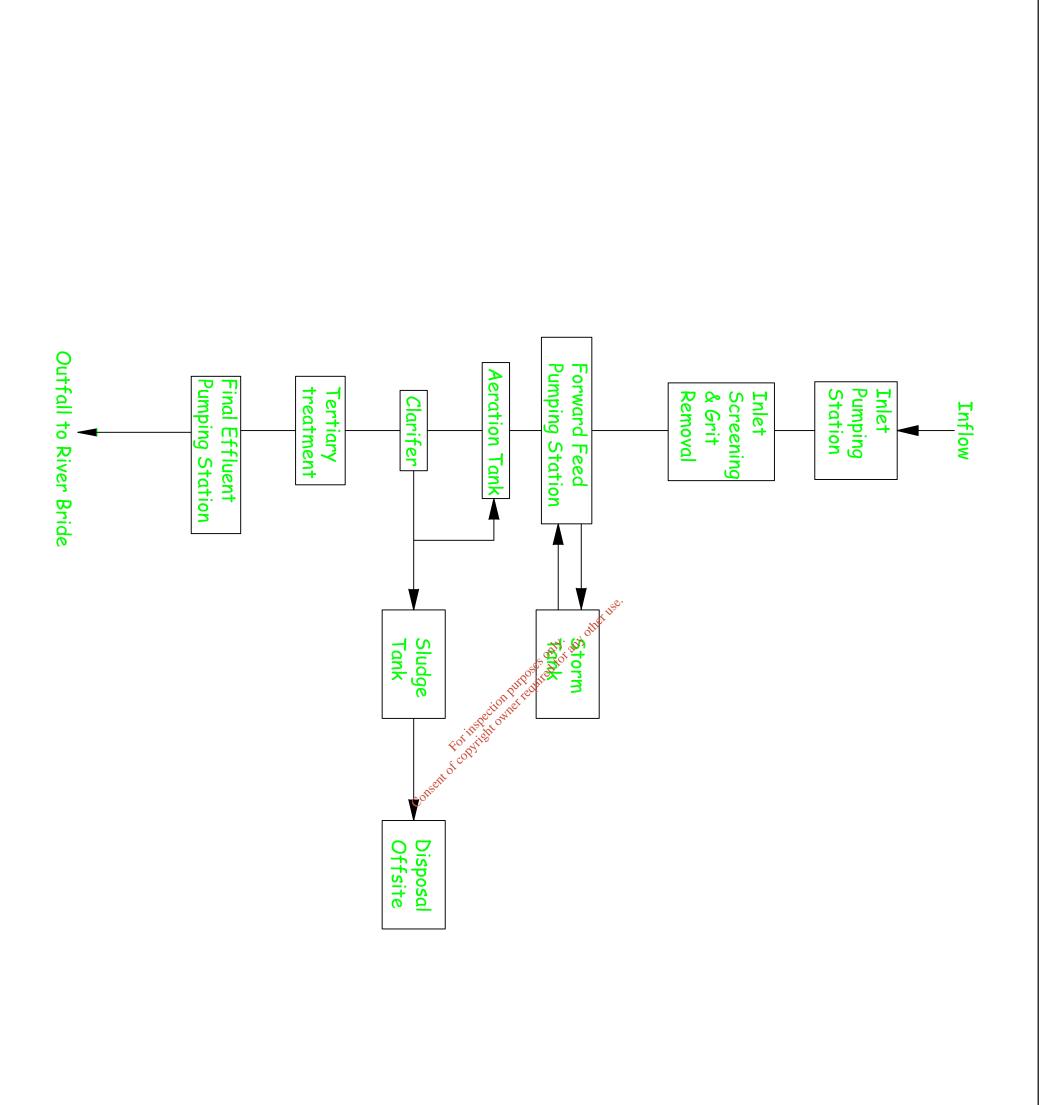
Revision Description

Southern Division.

Cloughduv
Wastewater Discharge
Licence Application

February	b.0.S	Т.О.Н
Date:	Checked by:	Designed by:
0.C	0.0	NTS
Drawn by:	Surveyed by:	Scales:
awing 1	Attachment C1 - Drawing 1	Atta
cess	Treatment Plant process	Trea

C1 - Drawing 1 Rev: rebruary 2009



NOTES

1. Dimensions are not to be scaled from drawing.

EPA Export 26-07-2013:13:28:05

- This drawing is to be read in conjunction with the WWDL Application.
- This drawing is to be read in conjunction with all other application drawings.

Cork County Council, Southern Division.

Date Drwn Surv Chkd

Revision Description



COUNTY ENGINEER, N. O'KEEFFE, B.E.,

COUNTY HALL,

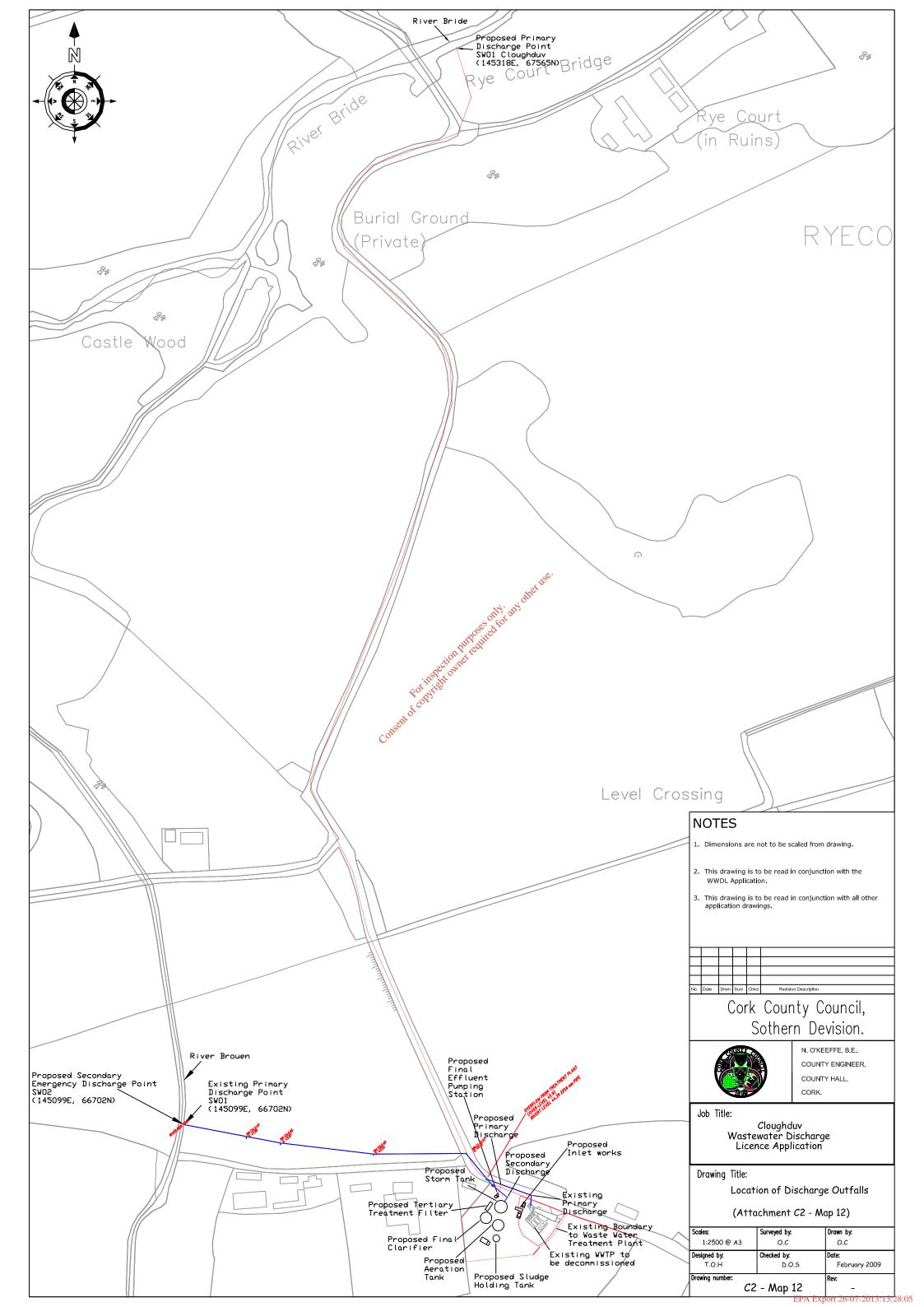
Job Title: Cloughduv
Wastewater Discharge
Licence Application

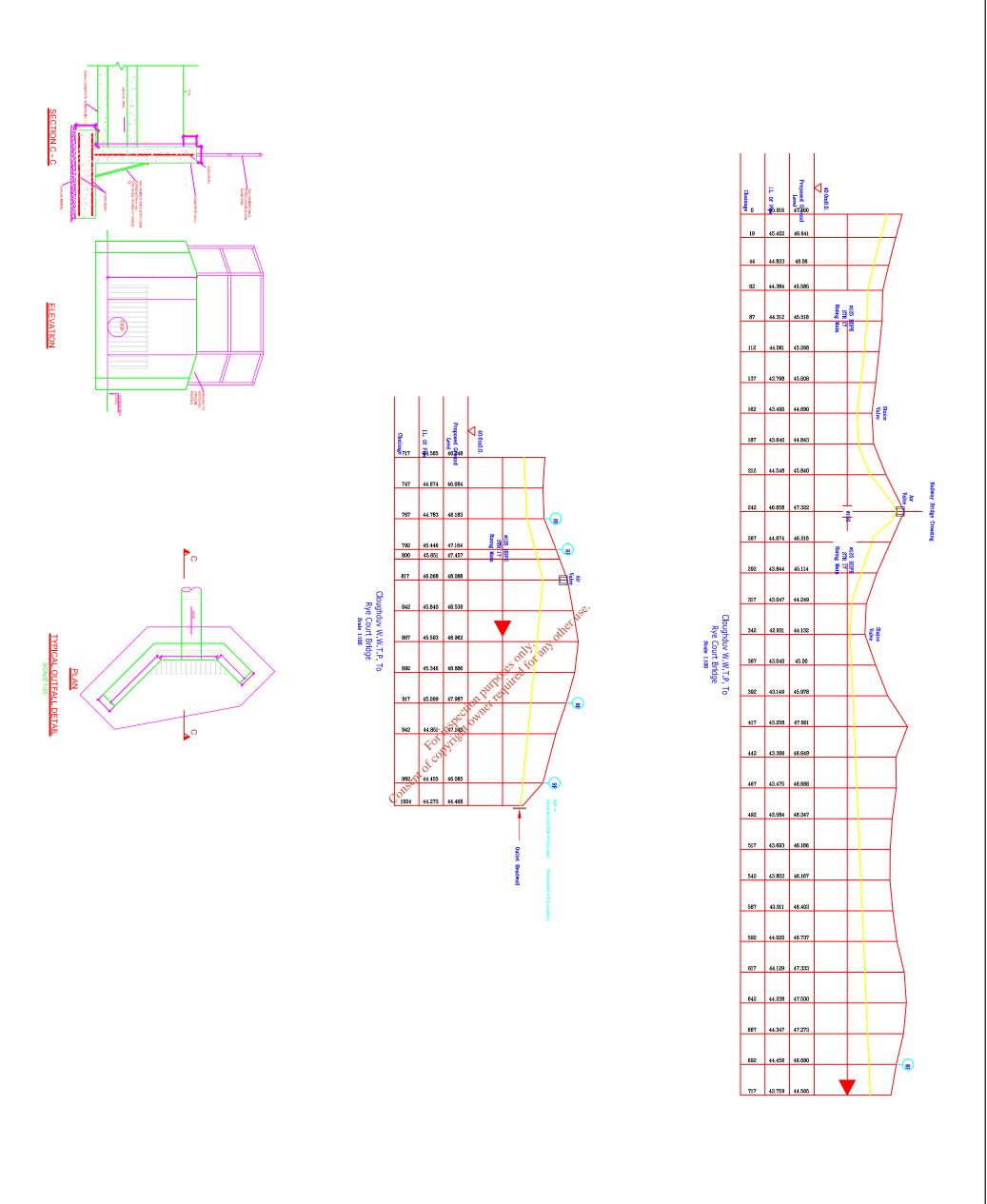
Drawing Title:

Schematic showing Proposed Treatment Plant process Attachment C1 - Drawing 2

Scales:	Surveyed by:	Drawn by:
NTS	0.0	0.0
Designed by:	Checked by:	Date:
D.B	b.0.S	February 2009
Drawing number:		Rev:

C1 - Drawing 2





Designed by:

Checked by: D.O.S

C2 - Drawing 3

Rev.

February 2009

1:5000 @ A3

Surveyed by:

Drawn by:

Drawing Title:

Head Wall Detail and Long Section of Proposed Outfall Attachment C2 - Drawing 3

Job Title:

Cork County Council,

Southern Division.

N O'KEEFFE, B.E., COUNTY ENGINEER, COUNTY HALL,

Cloughduv
Wastewater Discharge
Licence Application

- This drawing is to be read in conjunction with the Specification.
- This drawing is to be read in conjunction with all other contract drawings.

NOTES

- Dimensions are not to be scaled from drawing.
 For any discrepancies found consult with the design office.

PT_CD SW - 01 Cloughduv (existing) SW - 01 Cloughduv	PT_TYPE	LA_NAME	RWB_TYPE	RWB_NAME	DESIGNATION	EASTING	NORTHING	VERIFIED
SW - 01 Cloughduv								· · · · ·
(existing)	Primary	Cork Co Co	River	Brouen	No Designation	145094	66708	Υ
SW - 01 Cloughduv								
(proposed)	Primary	Cork Co Co	River	Bride	No Designation	145326	67564	Υ
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Laboratory Test Report Cork County Council Waste Water Laboratory Inniscarra, Co. Cork

Page 1 of 1

February 19,2009

Industry Name Address Cloughduv Wastewater Plant

ess Cloughduv,

C. Cork

Industry Code No.

392

Report Ref No. 719-02-005.

Issued to D Bornett.

WE LP

Licence No.

Type S

Licence Limit	Volume m3 99999	ph 11.99 3.99		B.O.D. mg/l 25		C.O.D. mg/l 125		S.Solids mg/l 35	TP-P mg/l 99		Code	Co	mments
Date 10/07/08			*	145	*	326	*	269	10.58		GS626	G	Sampled from preclarifier ta
24/09/08				75		126		102	10.50		GS995	G	bumpled from preciatiner to
09/10/08				54		206		89			GS1029	G	
18/12/08				66		133					GS1403	G	
15/01/09		7.4	*	39		66	*	63	7.5		GT059	G	TN-N=30.9mg/1,OPO4-P=5.
% Compl. Average	*** ****	100 7.40	7	0 75.80	17	20 71.40	1	0 16.80	100 *** *** *** 9.04 **** **** ***** **** **** **** ****	*			
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The samples are received at the Laboratory on the day of sampling. The above test methods are based on Standard Methods for the examination of Water and Waste Water, 21st Edition 2005, APHA, AWWA, WEF. C = Composite Sample, G = Grab Sample.

The compliance value may be varied on items marked with an * by the application of uncertainty of measurement values on reverse Page Chemical Procedure Numbers(CP No.) for INAB accredited tests are as follows:

CP NO. 1 = B.O.D.

CP NO. 3 = S.S.

CP NO.20 = TP-P

CP NO. 5 = pHCP NO.23 = OPO4-P(KONELAB)

CP NO. 6 = C.O.D.

CP NO. 7 = CI V4

CP NO.22=Ammonia(KONELAB) CP NO.25=Sulphate(KONELAB)

This report relates only to the samples listed above. This report shall not be reproduced except in full and only with with the approval of the testing laboratory. Cork County Council is not accredited by INAB for tests marked with \$. Kg loadings based on flows as supplied by the company. ~ indicates results that have been edited.

Reported by:

Damon

Date:

19/2/09

CP NO.24 = Chloride (KONELAB)

Ms. V. Hannon

Technical Manager

Deputy Technical Manager

CTR 001

Issue No 86

November 2007 october 2008

Wastewater Laboratory Cork County Council- Test Report Addendum

Chemical Procedure No.

CP No. 22

CP No. 23

CP No. 24

CP No. 24

CP No. 25

CP No. 25

range

0.1 - 0.9 mg/l

1.0 - 2.0 mg/l

2-10 mg/l

11 - 19 mg/l

20 - 25 mg/l

0.05 - 1.00 mg/l

25.00 - 99.00 mg/l

100.00 - 200.00 mg/l

30.00 - 199.00 mg/l

200.00 - 250.00 mg/l

a. Sample date reported in column 1 on this report is the date of collection of the sample from the industry name and address as outlined at the top of the report.

b. Cork County Council wastewater laboratory are not accredited for sample collection.

c. Data reported in (d) below is defined in section 5.10.3 (c) in wastewater laboratory quality d. Table of Uncertainty Of Measurement - Estimate Of Values For Accredited Tests

Test Name

CP No. 1 1 - 8 mg/l Biochemical Oxygen Demand (BOD) mg/l CP No. 1 9-70 mg/l Biochemical Oxygen Demand (BOD) ±3.2 mg/l CP No. 1 71 - 700 mg/l Biochemical Oxygen Demand (BOD) ±40 mg/l CP No. 3 35 mg/l Suspended Solids (SS) ± 6.4 mg/l CP No. 3 200 - 400mg/l Suspended Solids (SS) ±41.6 mg/l CP No 3 700 - 1000mg/l Suspended Solids (SS) ±80.0 mg/l CP No. 5 2 - 12 рΗ ± 0.12 pH Units CP No. 6 < 6 mg/l Chemical Oxygen Demand (COD LR) ± 5.6 mg/l CP No. 6 15 - 75 mg/l Chemical Oxygen Demand (COD LR) ±10.6 mg/l CP No. 6 100-135 mg/l Chemical Oxygen Demand (COD LR) ±17.4 mg/l CP No. 6 120 - 1500mg/l Chemical Oxygen Demand (COD) ±26.8 mg/l High Range CP No. 20 0.2-2.5 mg/l Total Phosphorus (TP-P) ±0.22 mg/l

Ammonia (Konelah)

Ammonia (Konelab)

Ammonia (Konelab)

Ammonia (Konelab)

Ammonia (Konelab)

Chloride (Konelab)

Chloride (Konelab)

Sulphate (Konelab)

Sulphate (Konelab)

Orthophosphate as P (Konelab)

January 2009

mg/l

Estimated

Uncertainty

±0.04

±0.10

±0.32

 ± 0.72

 ± 1.56

± 0.04

±3.04

±11.16

±3.42

 ± 8.70

Units

The raw data used to evaluate the above estimations is stored in the Wastewater Laboratory, Cork County Council.

The method followed is located in the Uncertainty of Measurement file and in the Eurachem Guidelines for Quantifying Uncertainty in Analytical Measurement.

PT_CD	PT_TYPE	MON_TYPE	EASTING	NORTHING	VERIFIED
SW01	Primary	S	145099	66702	Υ
(existing)					
aSW01u	u/s	S	143568	66216	Υ
(Brouen)					
aSW01d	d/s	S	145082	66907	Υ
(Brouen)					
SW01	Primary	S	145318	67565	Υ
(proposed)					
aSW01u	u/s	S	145273	67550	Υ
(Bride)					
aSW01d	d/s	S	146046	67832	Υ
(Bride)				I 1150	
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Attaomicm				ubic LT
Sample Date	15/01/2009	Average	Kg/Day	Kg/year
Sample	Influent	maximum		
Sample Code	GT058		na	na
Flow M ³ /Day	*	1008	na	na
рН	7.4	7.4	na	na
Temperature ℃	*	*	na	na
Cond 20°C	616	616	na	na
SS mg/L	174	174	175.4	64021
NH ₃ mg/L	27.8	27.8	28.02	10228.2
BOD mg/L	180	180	181.44	66225.6
COD mg/L	437	437	440.5	160781.04
TN mg/L	32.2	32.2	32.46	11847.02
Nitrite mg/L	0.00951	0.00951	0.00959	3.499
Nitrate mg/L	3.3	3.3	3.326	1214.14
TP mg/L	8.6	8.6	8.669	3164.1
O-PO4-P mg/L	4.51	4.51	4.546	1659.32
SO4 mg/L	49.1	49.1	49.493	18064.87
Phenols μg/L	5.22	5.22	0.0053	1.92
Atrazine μg/L	<0.01	< 0.01	<0.000011	<0.0037
Dichloromethane μg/L	<1	<1		FORVITA
Simazine μg/L	<0.01	< 0.01	<0.000011	< 0.0037
Toluene μg/L	30.52	30.52	0.0308	11.229
Tributyltin μg/L	*	*	*	*
Xylenes μg/L	<1	<1	<0.001	<0.368
Arsenic μg/L	<0.96	<0.96		
Chromium mg/L	<0.02	<0.02	<0.0202	<7.358
Copper mg/L	0.124	0.124	0.12499	45.622
Cyanide μg/L	5	5	0.00504	1.8396
Fluoride μg/L	40	40	0.0403	14.72
Lead mg/L	<0.02	<0.02	<0.0202	<7.358
Nickel mg/L	<0.02	<0.02	<0.0202	<7.358
Zinc mg/L	0.062	0.062	0.0625	22.811
Boron mg/L	<0.02	<0.02	<0.0202	<7.358
Cadmium mg/L	<0.02	<0.02	<0.0202	<7.358
Mercury μg/L	<0.2	<0.2	0.000202	0.0736
Selenium μg/L	1	1	0.001	0.368

Note Maximum volume is 1008 m3 per day

Barium mg/L	< 0.02	< 0.02	< 0.0202	<7.358

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Attach	nment	E4 Clo	ughduv	/ Disch	arge O	utlet T	able E	4
Sample Date	10/07/2008	24/09/2008	09/10/2008	18/12/2008	15/01/2009			
Sample	Effluent	Effluent	Effluent	Effluent	Effluent	Average	Kg/Day	Kg/year
Sample Code	GS626	GS995	GS1029	GS1403	GT059	mg/L		
Flow M ³ /Day	*	*	*	*	*	1008		
рН	*	*	*	*	7.4	7.4	*	*
Temperature °C	*	*	*	*	*	*	*	*
Cond 20°C	857	*	*	*	583	720	725.76	264902.4
SS mg/L	269	102	89	61	63	116.8	117.7344	42973.056
NH ₃ mg/L	42.9	*	*	*	30.7	36.8	37.0944	13539.456
BOD mg/L	145	75	54.2	65.5	39	75.74	76.34592	27866.261
COD mg/L	326	126	206	133	66	171.4	172.7712	63061.488
TN mg/L	67	*	*	*	30.9	48.95	49.3416	18009.684
Nitrite mg/L	*	*	*	*	0.805	0.805	0.81144	296.1756
Nitrate mg/L	*	*	*	*	4.11	4.11	4.14288	1512.1512
TP mg/L	10.58	*	*	*	7.5	9.04	9. 1232	3325.9968
O-PO4-P mg/L	9.08	*	*	*	5.03	7.055 ੂਰ	7 .11144	2595.6756
SO4 mg/L	*	*	*	*	<30	<30,100 tille	<30.24	<11037.6
Phenols μg/L	*	*	*	*	*	citot per reel	*	*
Atrazine μg/L	*	*	*	*	<0.01	<0.00001	<0.00001008	<0.0036792
Dichloromethane	*	*	*	*	<1	FOR 19118 < 1	<1.008	<367.92
Simazine μg/L	*	*	*	*	<0.01	<0.01	<0.01008	<3.6792
Toluene μg/L	*	*	*	*	<1 conse	<1	<1.008	<367.92
Tributyltin μg/L	*	*	*	*	*	*	*	*
Xylenes μg/L	*	*	*	*	<1	<1	<1.008	<367.92
Arsenic μg/L	*	*	*	*	<0.96	< 0.96	<0.96768	<353.2032
Chromium mg/L	<0.02	*	*	<0.02	<0.02	< 0.02	<0.02016	<7.3584
Copper mg/L	0.201	*	*	0.049.	0.049	0.125	0.126	45.99
Cyanide μg/L	*	*	*	*	6	6	6.048	2207.52
Fluoride μg/L	*	*	*	*	39	39	39.312	14348.88
Lead mg/L	<0.02	*	*	<0.02	<0.02	<0.02	<0.02016	<7.3584
Nickel mg/L	<0.02	*	*	<0.02	<0.02	<0.02	<0.02016	<7.3584
Zinc mg/L	0.112	*	*	<0.02	<0.02	0.044	0.044352	16.18848
Boron mg/L	0.042	*	*	0.04	<0.02	0.031	0.031248	11.40552
Cadmium mg/L	<0.02	*	*	<0.02	<0.02	<0.02	<0.02016	<7.3584
Mercury μg/L	*	*	*	*	<0.2	<0.2	<0.2016	<73.584
Selenium μg/L	*	*	*	*	1.4	1.4	1.4112	515.088

Maximum Flow

Values recorded as 1/2 of LOD for stsistical purposes

Note Maximum volume is 1008 m3 per day

Barium mg/L	0.034	*	*	< 0.02	< 0.02	0.018	0.018144	6.62256

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	t E4 Cl	oughd	uv Upstream	Table E4
Sample Date	15/01/2009	Average		
Sample	River			
Sample Code	GT060			
Flow M ³ /Day	*	*		
рН	7.7	7.7		
Temperature °C	*	*		
Cond 20°C	192	192		
SS mg/L	<2.5	<2.5		
NH₃ mg/L	<01	<01		
BOD mg/L	<1.0	<1.0		
COD mg/L	<21	<21		
TN mg/L	4.5	4.5		
Nitrite mg/L	0.086	0.086		
Nitrate mg/L	3.92	3.92		
TP mg/L	<0.20	<0.20		
O-PO4-P mg/L	0.05	0.05		Oth
SO4 mg/L	<30	<30		ido ited t
Phenols μg/L	< 0.10	<0.10		ingli partedis
Atrazine μg/L	< 0.01	< 0.01		· 12 of Only
Dichloromethane μg/L	<1	<1		Fortyrigh
Simazine μg/L	< 0.01	< 0.01		x of co.
Toluene μg/L	<1	<1		C ORServe
Tributyltin μg/L	*	*		
Xylenes μg/L	<1	<1		
Arsenic μg/L	< 0.96	<0.96		
Chromium mg/L	0	0		
Copper mg/L	< 0.02	<0.02		
Cyanide μg/L	5	5		
Fluoride μg/L	33	33		
Lead mg/L	<0.02	<0.02		
Nickel mg/L	< 0.02	< 0.02		
Zinc mg/L	<0.02	<0.02		
Boron mg/L	<0.02	<0.02		
Cadmium mg/L	<0.02	<0.02		
Mercury μg/L	<0.2	<0.2		
Selenium μg/L	1.1	1.1		
Barium mg/L	0.029	0.029		

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Attachment E4 Cloughduv Downstream Table E4							
Sample Date	24/09/2008						
Sample	River	River	Average				
Sample Code	GS996	GT057					
Flow M ³ /Day	*	*					
рН	*	7.6	7.6				
Temperature °C	*	*	*				
Cond 20°C	*	196	196				
SS mg/L	*	5	5				
NH ₃ mg/L	*	<0.1	<0.1				
BOD mg/L	*	<10	<10				
COD mg/L	*	35	35				
TN mg/L	*	3.8	3.8				
Nitrite mg/L	*	0.00951	0.00951				
Nitrate mg/L	*	3.32	3.32			, s ²	
TP mg/L	*	<0.20	<0.20			other	
O-PO4-P mg/L	< 0.05	< 0.05	< 0.05			हुट तुर्गि तरि तरि वि	
SO4 mg/L	*	<30	<30			othor ites	
Phenols μg/L	*	<0.10	<0.10			tion of real	
Atrazine μg/L	*	<0.01	<0.01		inst	o di	
Dichloromethane	*	<1	<1		Follow		
Simazine μg/L	*	<0.01	<0.01		entole		
Toluene μg/L	*	<1	<1		Conseir		
Tributyltin μg/L	*	*	*				
Xylenes μg/L	*	<1	<1				
Arsenic μg/L	*	<0.96	<0.96				
Chromium mg/L	*	<0.02	< 0.02				
Copper mg/L	*	<0.02	< 0.02				
Cyanide μg/L	*	<5	<5				
Fluoride μg/L	*	36	36				
Lead mg/L	*	<0.02	<0.02				
Nickel mg/L	*	<0.02	<0.02				
Zinc mg/L	*	<0.02	<0.02				
Boron mg/L	*	<0.02	<0.02				
Cadmium mg/L	*	<0.02	<0.02				
Mercury μg/L	*	<0.2	<0.2				
Selenium μg/L	*	1.2	1.2				

Barium mg/L	*	< 0.02	< 0.02		

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