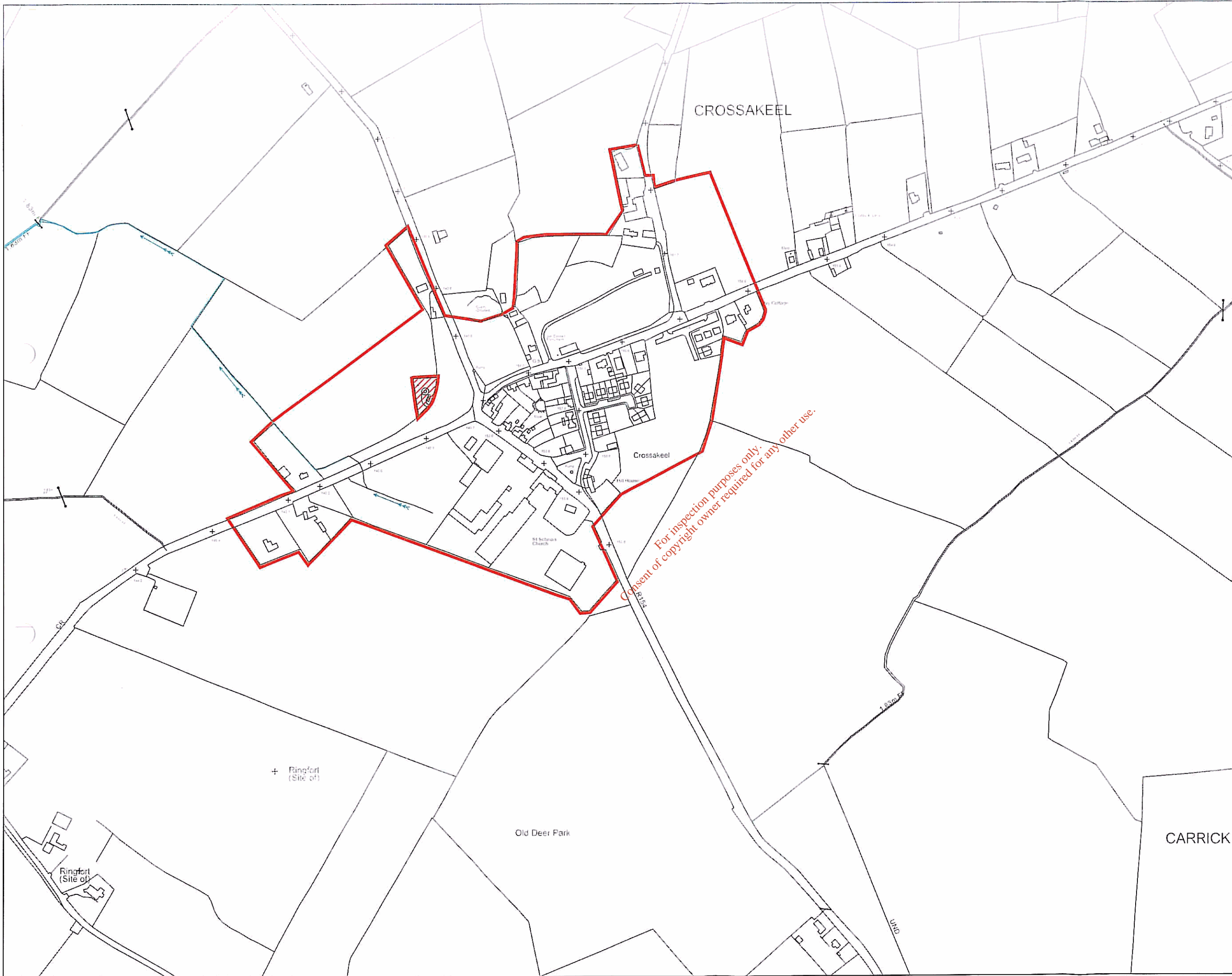



SECTION B – GENERAL

Attachment B1: Applicant Details

- Drawing No. 5270 - 2740

For inspection purposes only.
Consent of copyright owner required for any other use.





AGGLOMERATION BOUNDARY

WWTP SITE BOUNDARY

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING

2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE

3. ENGINEER TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES

4. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chd.
A	18/06/09	ISSUE TO MEATH CO. CO.	R.K.	M.H.

Client:

MEATH COUNTY COUNCIL

Project:

CROSSAKEEL WASTE WATER DISCHARGE LICENCE APPLICATION

Title:


AGGLOMERATION OUTLINE PLAN

(SECTION / ATTACHMENT B.1)

Scale @ A3: 1 : 5,000

Prepared by:	Checked:	Date:
R.K.	M.H.	MAY 09

Project Director: M.F.G.



TOBIN Consulting Engineers,
Market Square, Castlebar,
Co. Mayo, Ireland.
tel: +353-(0)94-8021401
fax: +353-(0)94-8021534
e-mail: castlebar@tobin.ie
www.tobin.ie

Drawing No.: 5270-2740

Revision: A


SECTION B – GENERAL

Attachment B2: Location of Wastewater Treatment Plant

- Drawing No. 5270 – 2741
- Drawing No. 5270 – 2742

For inspection purposes only.
Consent of copyright owner required for any other use.





WWTP SITE BOUNDARY

PRIMARY DISCHARGE

NOTES

- FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING
- ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE
- ENGINEER TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES
- ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chd.
A	17.06.09	ISSUE TO MEATH CO. CO.	R.K.	M.H.

Client: MEATH COUNTY COUNCIL


Project: CROSSAKEEL WASTE WATER DISCHARGE LICENCE APPLICATION

Title: WWTP LOCATION & SITE BOUNDARY (INCLUDING ALL DISCHARGE, MONITORING & SAMPLING POINTS) (SECTION / ATTACHMENT B.2)

Scale @ A3: 1 : 10,000

Prepared by:	Checked:	Date:
R.K.	M.H.	MAY 09

Project Director: M.F.G.



TOBIN
Patrick J. Tobin & Co. Ltd

TOBIN Consulting Engineers,
Market Square, Castlebar,
Co. Mayo, Ireland.
tel: +353-(0)94-9021401
fax: +353-(0)94-9021534
e-mail: castlebar@tobin.ie
www.tobin.ie

Drawing No.: 5270-2741	Revision: A
------------------------	-------------



LEGEND



WWTP SITE
BOUNDARY

PRIMARY
DISCHARGE

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING
2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE
3. ENGINEER TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES
4. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	17.06.09	ISSUE TO MEATH CO. CO.	R.K.	M.H.

Client:
MEATH COUNTY COUNCIL

Project:
CROSSAKEEL WASTE WATER
DISCHARGE LICENCE
APPLICATION

Title:
SITE LAYOUT PLAN OF
EXISTING WWTP
(INCLUDING MONITORING &
SAMPLING POINTS)
(SECTION / ATTACHMENT B.2)

Scale @ A3: 1 : 1000

Prepared by: R.K. Checked: M.H. Date: MAY 09

Project Director: M.F.G.

TOBIN
Patrick J. Tobin & Co. Ltd.
TOBIN Consulting Engineers,
Market Square, Castlebar,
Co. Mayo, Ireland.
tel: +353-(0)94-9021401
fax: +353-(0)94-9021634
e-mail: castlebar@tobin.ie
www.tobin.ie

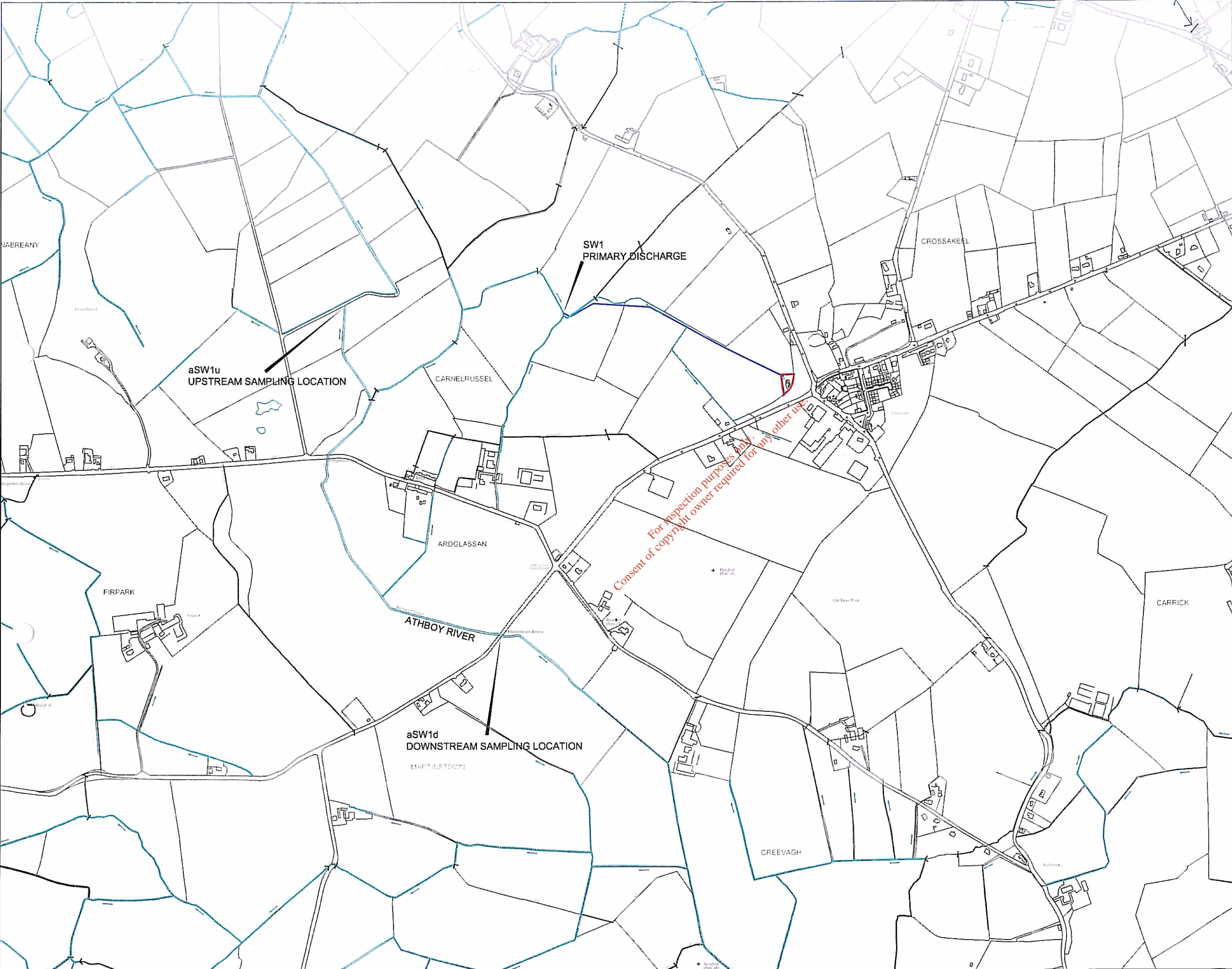
Drawing No.: 5270-2742 Revision: A


SECTION B – GENERAL

Attachment B3: Location of Primary Discharge Point

– Drawing No. 5270 - 2744

For inspection purposes only.
Consent of copyright owner required for any other use.





WWTP SITE
BOUNDARY

PRIMARY
DISCHARGE

NOTES

- FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING
- ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE
- ENGINEER TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES
- ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	17.08.09	ISSUE TO MEATH CO. CO.	R.K.	M.H.

Client:

MEATH COUNTY COUNCIL

Project:

CROSSAKEEL WASTE WATER
DISCHARGE LICENCE
APPLICATION


Title:

LOCATION OF PRIMARY
DISCHARGE POINT (INCLUDING
ALL MONITORING, SAMPLING
& EMISSION POINTS)
(SECTION / ATTACHMENT B.3)

Scale @ A3: 1 : 10,000

Prepared by:	Checked:	Date:
R.K.	M.H.	MAY 09

Project Director: M.F.G.



TOBIN Consulting Engineers,
Market Square, Castlebar,
Co. Mayo, Ireland.
tel: +353-(0)94-9021401
fax: +353-(0)94-9021534
e-mail: castlebar@tobin.ie
www.tobin.ie

Drawing No.: 5270-2744

Revision: A

SECTION B – GENERAL

Attachment B4: Location of Secondary Discharge Points

No secondary discharge points on Crossakeel Sewerage System

For inspection purposes only.
Consent of copyright owner required for any other use.

SECTION B – GENERAL

Attachment B5: Location of Stormwater Overflow

No stormwater overflows on Crossakeel Sewerage System

For inspection purposes only.
Consent of copyright owner required for any other use.

SECTION B – GENERAL

Attachment B6: Relevant Planning Authority

The Crossakeel WWTP was constructed in 1978 and hence predates the requirement for Part VIII planning. There is no planning file available in relation to the development of this facility.

For inspection purposes only.
Consent of copyright owner required for any other use.

SECTION B – GENERAL

Attachment B8: Site Notice & Newspaper Advertisement

- Copy of Site Notice
- Drawing No. 5270-2747
- Photograph of Site Notice erected on site
- Copy of Newspaper Advertisement

For inspection purposes only.
Consent of copyright owner required for any other use.

Site Notice



Meath County Council

“APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTE WATER DISCHARGE LICENCE”

Applicant: Meath County Council, County Hall, Railway Street, Navan, County Meath

Meath County Council, County Hall, Railway Street, Navan, County Meath is making an application to the Environmental Protection Agency (the Agency), in accordance with the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007) for a licence authorising the waste water discharges from the waste water works serving the agglomeration of: Crossakeel, Kells, County Meath. The agglomeration is served by the Crossakeel Waste Water Treatment Plant, Crossakeel, Kells, County Meath (Grid Reference 264551E, 274285N). Crossakeel Waste Water Treatment Plant utilises biological processes in conjunction with physical settlement (i.e. Secondary Treatment) to provide treatment to incoming waste water for compliance with the relevant legislative effluent treatment standards.

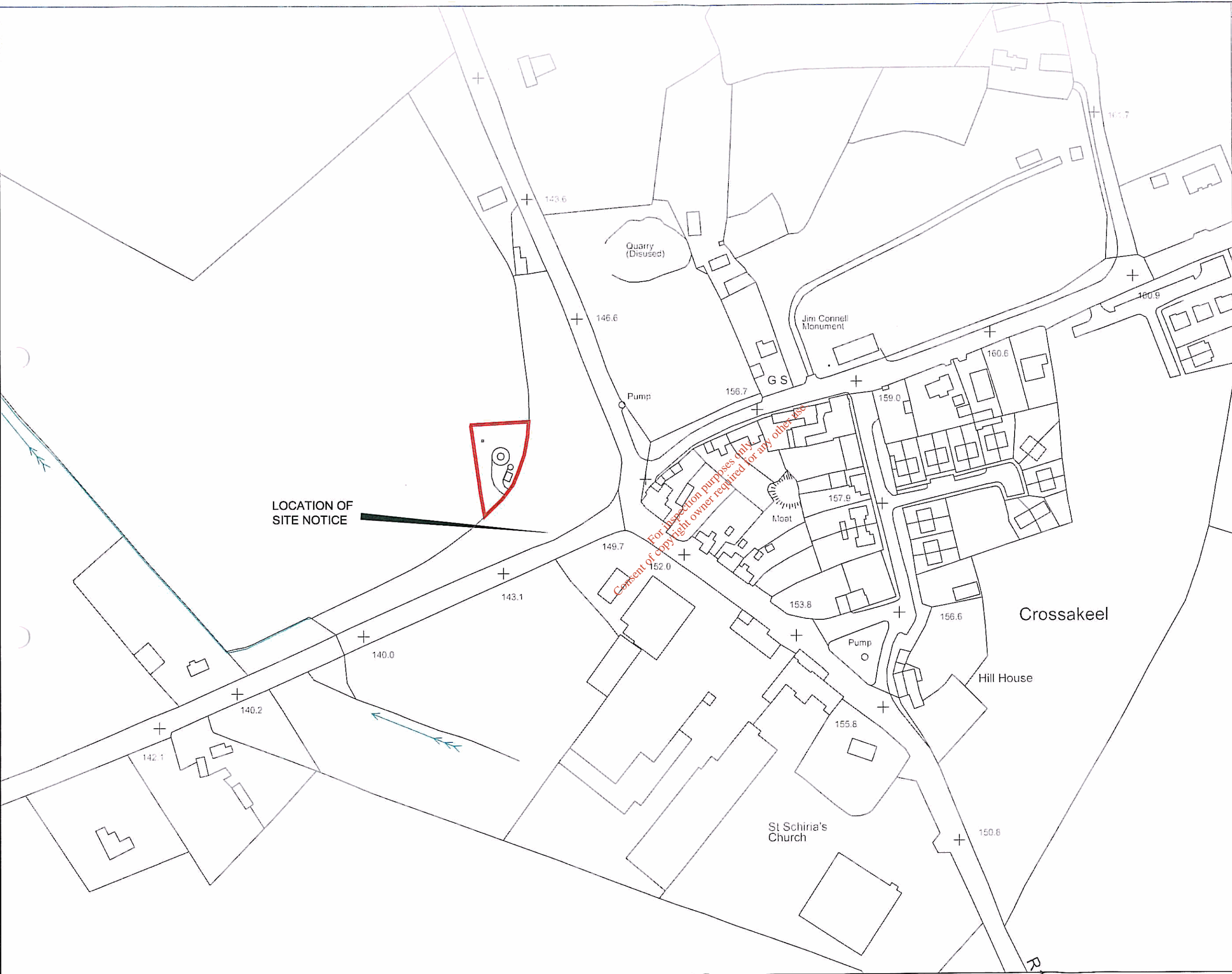
This application relates to the following existing discharges:

Primary Discharge Point SW1 - 263902E, 274483N (Receiving Water : Tributary leading to Athboy River)

A copy of the:

- (i) Waste Water Discharge Licence Application, and;
 - (ii) such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application;
- shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the headquarters of the Environmental Protection Agency, Johnstown Castle Estate, County Wexford, and at the offices of Meath County Council, County Hall, Railway Street, Navan, County Meath.

Submissions in relation to the application may be made to the Agency at its headquarters: Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, County Wexford.



LEGEND

WWTP SITE BOUNDARY

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING
2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE
3. ENGINEER TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES
4. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chd.
A	17.09.09	ISSUE TO MEATH CO. CO.	R.K.	M.H.

Client:

MEATH COUNTY COUNCIL

Project:

CROSSAKEEL WASTE WATER DISCHARGE LICENCE APPLICATION

Title:

LOCATION OF SITE NOTICE

(SECTION / ATTACHMENT B.8)

Scale @ A3: 1 : 2000

Prepared by:	Checked:	Date:
R.K.	M.H.	MAY 09

Project Director: M.F.G.

TOBIN
Patrick J. Tobin & Co. Ltd.
TOBIN Consulting Engineers,
Market Square, Castlebar,
Co. Mayo, Ireland.
tel: +353-(0)94-9021401
fax: +353-(0)94-9021534
e-mail: castlebar@tobin.ie
www.tobin.ie

Drawing No.: 5270-2747

Revision: A



11-06-2009
Crossakeel WwTP



comhairle chontae na mí
meath county council

MEATH LOCAL AUTHORITIES - UDARAS AITIULA NA MÍ
Meath County Council & The Town Councils of Navan, Trim & Kells

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTE WATER DISCHARGE NOTICE

Meath County Council, County Hall, Railway Street, Navan, County Meath is making an application to the Environmental Protection Agency (the Agency), in accordance with the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007) for a licence authorising the waste water discharges from the waste water works serving the agglomeration of, Crossakeel, Kells, County Meath. The agglomeration is served by the Crossakeel Waste Water Treatment Plant, Crossakeel, Kells, County Meath (Grid Reference 264551E, 274285N). Crossakeel Waste Water Treatment Plant utilises biological processes in conjunction with physical settlement (i.e. Secondary Treatment) to provide treatment to incoming waste water for compliance with the relevant legislative effluent treatment standards.

This application relates to the following existing discharges:

Primary Discharge Point SW1 - 263902E, 274483N (Receiving Water: Tributary leading to Athboy River)

A copy of the:

(i) Waste Water Discharge Licence Application; and
(ii) such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application;
shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the headquarters of the Environmental Protection Agency, Johnstown Castle Estate, County Wexford, and at the offices of Meath County Council, County Hall, Railway Street, Navan, County Meath.

Submissions in relation to the application may be made to the Agency at its headquarters: Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, County Wexford.

Meath County Council, County Hall, Railway Street, Navan, County Meath is making an application to the Environmental Protection Agency (the Agency), in accordance with the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007) for a licence authorising the waste water discharges from the waste water works serving the agglomeration of, Nobber, County Meath. The agglomeration is served by the Nobber Waste Water Treatment Plant, Nobber, County Meath (Grid Reference 287528E, 286521N). Nobber Waste Water Treatment Plant utilises biological processes in conjunction with physical settlement (i.e. Secondary Treatment) to provide treatment to incoming waste water for compliance with the relevant legislative effluent treatment standards.

This application relates to the following existing discharges:

Primary Discharge Point SW1 - 282054E, 286359N (Receiving Water: River Des)

A copy of the:

(i) Waste Water Discharge Licence Application; and
(ii) such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application;
shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the headquarters of the Environmental Protection Agency, Johnstown Castle Estate, County Wexford, and at the offices of Meath County Council, County Hall, Railway Street, Navan, County Meath.

Submissions in relation to the application may be made to the Agency at its headquarters: Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, County Wexford.

Meath County Council, County Hall, Railway Street, Navan, County Meath is making an application to the Environmental Protection Agency (the Agency), in accordance with the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007) for a licence authorising the waste water discharges from the sewage treatment facilities serving the agglomeration of: Moynalty, Kells, County Meath. The agglomeration is currently served by the Moynalty Sewage Treatment Facilities, Moynalty T.D. (Grid Reference 273350E, 282705N) and Ballyr T.D. (Grid Reference 274252E, 281672N), both located in the village of Moynalty, Kells, County Meath. The existing Moynalty Sewage Treatment Facilities comprise 2 no. conventional septic tanks and percolation areas to provide treatment to incoming waste water for compliance with the relevant legislative effluent treatment standards.

A new waste water treatment plant is, at present, being constructed to serve Moynalty Agglomeration. The proposed Moynalty Waste Water Treatment Plant will be located at Moynalty T.D., Kells, County Meath (Grid Reference 273729E, 282308N). The proposed Moynalty Waste Water Treatment Plant will utilise biological processes in conjunction with physical settlement, and nutrient removal to provide treatment to incoming waste water for compliance with the relevant legislative effluent treatment standards.

This application relates to the following existing discharges:

Primary Discharge Point SW1 - 273352E, 282805N (Receiving Waters: Discharge to percolation area, Moynalty T.D.)
Secondary Discharge Point SW2 - 274246E, 281566N (Receiving Waters: Discharge to percolation area, Ballyr T.D.)

This application relates to the following proposed discharges:

Proposed Primary Discharge Point PSW3 - 273737E, 282289N (Receiving Water: Moynalty River)
Proposed Storm Water Overflow Discharge Point PSW4 - 273737E, 282289N (Receiving Water: Moynalty River)

A copy of the:

(i) Waste Water Discharge Licence Application; and
(ii) such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application;
shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the headquarters of the Environmental Protection Agency, Johnstown Castle Estate, County Wexford, and at the offices of Meath County Council, County Hall, Railway Street, Navan, County Meath.

Submissions in relation to the application may be made to the Agency at its headquarters: Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, County Wexford.

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 headquarters of the Environmental Protection Agency, Johnstown Castle Estate, County Wexford, and at the offices of Meath County Council, County Hall, Railway Street, Navan, County Meath.

Submissions in relation to the application may be made to the Agency at its headquarters: Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, County Wexford.

Meath County Council, County Hall, Railway Street, Navan, County Meath is making an application to the Environmental Protection Agency (the Agency), in accordance with the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007) for a licence authorising the proposed waste water discharges from the newly constructed waste water works, which will serve the agglomeration of, Kildoon, County Meath.

A new waste water treatment plant is, at present, being constructed to serve Kildoon Agglomeration. The proposed Kildoon Waste Water Treatment Plant will be located at Kilgrague T.D., Kildoon, County Meath (Grid Reference 295469E, 241844N). The proposed Kildoon Waste Water Treatment Plant will utilise biological processes in conjunction with physical settlement, and tertiary treatment, to provide treatment to incoming waste water for compliance with the relevant legislative effluent treatment standards.

This application relates to the following proposed discharges:

Proposed Primary Discharge Point PSW1 - 295635E, 241756N (Receiving Water: Tributary of the Rye Water (Liffey))
Proposed Storm Water Overflow Discharge Point PSW2 - 295635E, 241798N (Receiving Water: Tributary of the Rye Water (Liffey))

A copy of the:

(i) Waste Water Discharge Licence Application; and
(ii) such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application;
shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the headquarters of the Environmental Protection Agency, Johnstown Castle Estate, County Wexford, and at the offices of Meath County Council, County Hall, Railway Street, Navan, County Meath.

Submissions in relation to the application may be made to the Agency at its headquarters: Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, County Wexford.

Meath County Council, County Hall, Railway Street, Navan, County Meath is making an application to the Environmental Protection Agency (the Agency), in accordance with the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007) for a licence authorising the waste water discharges from the waste water works serving the agglomeration of: Kantstown, Navan, County Meath. The agglomeration is served by the Kantstown Waste Water Treatment Plant, Kantstown, Navan, County Meath (Grid Reference 297450E, 265010N). Kantstown Waste Water Treatment Plant utilises biological processes in conjunction with physical settlement (i.e. Secondary Treatment) and nutrient removal to provide treatment to incoming waste water for compliance with the relevant legislative effluent treatment standards.

This application relates to the following existing discharges:

Primary Discharge Point SW1 - 297455E, 264979N (Receiving Water: River Nanny)
Secondary Discharge Point SW2 - 297455E, 264979N (Receiving Water: River Nanny)
Storm Water Overflow Discharge Point SW3 - 297455E, 264979N (Receiving Water: River Nanny)

A copy of the:

(i) Waste Water Discharge Licence Application; and
(ii) such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application;
shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the headquarters of the Environmental Protection Agency, Johnstown Castle Estate, County Wexford, and at the offices of Meath County Council, County Hall, Railway Street, Navan, County Meath.

Submissions in relation to the application may be made to the Agency at its headquarters: Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, County Wexford.

Meath County Council, County Hall, Railway Street, Navan, County Meath is making an application to the Environmental Protection Agency (the Agency), in accordance with the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007) for a licence authorising the waste water discharges from the waste water works serving the agglomeration of: Drumconrath, County Meath. The agglomeration is served by the Drumconrath Waste Water Treatment Plant, Drumconrath, County Meath (Grid Reference 288506E, 290151N). Drumconrath Waste Water Treatment Plant utilises biological processes in conjunction with physical settlement (i.e. Secondary Treatment) to provide treatment to incoming waste water for compliance with the relevant legislative effluent treatment standards.

This application relates to the following existing discharge:

Primary Discharge Point SW1 - 288481E, 290152N (Receiving Water: Tributary leading to Garra River)

A copy of the:

(i) Waste Water Discharge Licence Application; and
(ii) such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application;
shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the headquarters of the Environmental Protection Agency, Johnstown Castle Estate, County Wexford, and at the offices of Meath County Council, County Hall, Railway Street, Navan, County Meath.

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



Pupils and teacher building

B ro

STAFF and
Nicholas's N
Longwood a
first week in
school build
Road in the v
The big m
Wednesday
week when t
class by cla
school to the
accompanied
There was h
the children



EPA Export 26-07-2013:15:44:28

SECTION B – GENERAL

Attachment B9(i):Population Equivalent of Agglomeration

- Calculation of Population Equivalent of the Agglomeration served by the Wastewater Treatment Works – Existing and Future

For inspection purposes only.
Consent of copyright owner required for any other use.

Estimated Existing Load for Crossakeel WWTP for Year 2009							
Description				DWF (m3/d)	BOD (kg/d)	SS (kg/d)	Population Equivalent
	House Count	Occupancy	Unit Loads	180 lhd	0.06 kg/d	0.04 kg/d	
Domestic Load							
Existing Domestic Load	89	2.73	243	43.7	14.6	9.7	243 pe
Domestic Allowance for Infiltration				0.0	0.0	0.0	0 pe
Total Domestic Loading (a)				43.7	14.6	9.7	243 pe
	Units	Unit DWF (m³/d)	BOD Total (kg BOD/d)				
Non Domestic Loading							
Commercial - Retail Loading				4.1	1.4	0.9	23 pe
Industrial Loading				1.4	0.5	0.3	8 pe
Institutional Loading				0.3	0.1	0.1	2 pe
Non Domestic Allowance for Infiltration				0.0	0.0	0.0	0 pe
Total Non Domestic Load (b)				5.8	2.0	1.3	32 pe
Total Estimated Existing Load 2009 (a+b)				49.6	16.6	11.0	275 pe

For inspection purposes only.
Consent of copyright owner required for any other use.

Estimated Future Load for Crossakeel WWTP for Year 2016							
Description				DWF (m3/d)	BOD (kg/d)	SS (kg/d)	Population Equivalent
	House Count	Occupancy	Unit Loads	180 lhd	0.06 kg/d	0.04 kg/d	
Domestic Load							
Existing Domestic Load	128	2.73	350	62.9	21.0	14.0	350 pe
Domestic Allowance for Infiltration			0	0.0	0.0	0.0	
Total Domestic Loading (a)				62.9	21.0	14.0	350 pe
	Units	Unit DWF (m³/d)	BOD Total (kg BOD/d)				
Non Domestic Loading							
Commercial-Retail Loading			1.369	4.1	1.4	0.9	23 pe
Industrial Loading			0.481	1.4	0.5	0.3	8 pe
Institutional Loading			0.093	0.3	0.1	0.1	2 pe
Non Domestic Allowance for Infiltration							
Allowance for Future Non-Domestic							9 pe
Total Non Domestic Load (b)				5.8	2.0	1.3	41 pe
Total Estimated Future Load Year 2016 (a+b)				68.7	23.0	15.3	391 pe

For inspection purposes only.
Consent of copyright owner required for any other use.

Summary of Tables

A property count was conducted by TOBIN Consulting Engineers in Crossakeel for the purposes determining the contributing (theoretical) hydraulic and biological load to Crossakeel WWTP. Estimated theoretical loadings arising from domestic and non-domestic properties forming part of the agglomeration were then compared with actual site-specific influent flow and load data, which revealed the following population equivalents (Year 2009):

Existing Population Equivalent (Year 2009)		
Theoretical value	275 P.E	based upon property count
Actual value	273 P.E.	based upon influent flow and load data
Difference	2 P.E.	

As can be seen from the above table, theoretical and actual values correlate well.

For inspection purposes only.
Consent of copyright owner required for any other use.

SECTION B – GENERAL

Attachment B9(ii): Pending Development

- Information on the calculated population equivalent (p.e.) to be contributed to the waste water works as a result of those planning permissions granted
- The percentage of the projected p.e. to be contributed by the non-domestic activities
- The ability of the waste water works to accommodate this extra hydraulic and organic loading without posing an environmental risk to the receiving water habitat.

For inspection purposes only.
Consent of copyright owner required for any other use.

ATTACHMENT B.9(ii) PENDING DEVELOPMENT

Source	Existing P.E. (2009)	Pending P.E.	Projected P.E. (2016)
Domestic	243	104	3
Commercial	24	0	6
Trade effluent	8	0	2
Imported liquid wastes	0	0	0
Sub-total	275	104	11
TOTAL (existing + pending + projected)			391
<p>Pending P.E.</p> <p>Planning has been granted for 38 residential units within the Crossakeel Agglomeration.</p> <p>38×2.73 (persons per unit) = additional 104 P.E.</p> <p>A new housing estate has been completed with 52 units, however this figure has already been included in existing P.E.</p> <p>Most of these units are currently inhabited</p> <p>Currently, there is no development pending with regards to commercial activity.</p> <p>With regards to industrial development, there are no pending developments.</p> <p>TOTAL PENDING P.E. = 104</p>			
<p>Projected P.E. by 2016 (i.e. the maximum P.E.)</p> <p>It is estimated that Crossakeel WWTP will serve a population equivalent of 391 by 2016.</p>			

PENDING DEVELOPMENT – CROSSAKEEL AGGLOMERATION

As shown on the Pending Development Table, the calculated population equivalent to be contributed to the waste water works as a result of those planning permissions already granted is 104 P.E. This figure accounts for a residential development comprising the future construction of 38 nr. housing units, which received planning approval during 2008. Construction of this development has not yet commenced.

In addition, construction of a larger development within Crossakeel Village, comprising some 52 nr. houses, is now complete. It is envisaged that these two residential developments will cater for most of the anticipated future population increases, hence the projected figures above and beyond that already are modest.

The percentage of the *projected* P.E. to be contributed by the non-domestic activities is as follows:

Total Projected P.E. (2016):	11 P.E.*
Projected Non-Domestic Portion (2016):	8 P.E.*

*(does not include existing population equivalent or pending development)

Projected Non-Domestic expressed as a percentage of Total Projected (2016): 73%

It is estimated that Crossakeel WWTP is currently serving an existing population equivalent of 275. Effluent monitoring results (included in Attachment E.4) reveal that the existing plant is currently performing very well in terms of its effluent quality statutory requirements. The calculated population equivalent to be contributed to the waste water works as a result of pending development (planning permissions already granted) is 104 P.E.

By including this pending contribution, Crossakeel WWTP may be required to cater for 379 PE in the short to medium term. The existing plant has a design capacity of 500 P.E. Crossakeel Waste Water Treatment Plant will accommodate this extra loading without posing an environmental risk to the receiving water habitat. The existing treatment plant will also be capable of accommodating the projected maximum population equivalent (2016) of 391.

SECTION B – GENERAL

Attachment B10: Capital Investment Programme

- Capital Investment Programme – Crossakeel Sewerage Scheme

For inspection purposes only.
Consent of copyright owner required for any other use.

CAPITAL INVESTMENT PROGRAMME – CROSSAKEEL SEWERAGE SCHEME

1.0 INTRODUCTION

The WWTP facilities at Crossakeel were commissioned in 1978. Secondary treatment is provided by means of extended aeration and clarification. The plant has a design capacity of 500 P.E.

The estimated existing population equivalent served by Crossakeel WWTP is just 275 P.E. The projected maximum population equivalent to be served by the plant at Year 2016 has been estimated in the order of 391 P.E., still below the current design capacity.

A full description of the existing treatment facilities has been provided in Attachment C.1.

In the *'Meath County Council – Water Services Investment Programme – Assessment of Needs (2007 – 2013)'* document, Crossakeel Sewerage Scheme has been included under the "Group of 15 Villages DBO Sewerage Scheme" with an estimated construction cost of €12,000,000 for the overall scheme. (The proposed scheme will group 15 villages (Crossakeel being one of these) into a single Design Build Operate Contract).

This scheme was not included in the current (2007 – 2009) WSIP as prepared by the Department of Environment, Heritage and Local Government, however, Meath County Council intend to again include this scheme in the Assessment of Needs to be undertaken later in 2009 and hope that it will be included in the subsequent WSIP, in which case Meath County Council would anticipate completion of the proposed new scheme by 2017.