

BYE LAW APPLICATION FEES

REF. NO.: 91A/1867 CERTIFICATE NO.: 16899B

PROPOSAL: Bungalow + garage

LOCATION: Athgao North, Newcastle

APPLICANT: F. Mulhane

log 26/11/91

	1	2	3	4	5	6	7
CLASS	DWELLINGS/AREA LENGTH/STRUCTURE	RATE	AMT. OF FEE REQUIRED	AMT. LODGED	BALANCE DUE	RED. FEE APPL.	AMT. OF RED. FEE
A	Dwelling (Houses/Flats)	@ £55	<u>£55</u>	<u>£55</u>	<u>/</u>		
B	Domestic Ext. (Improvement/ Alts.)	@ £30					
C	Building for office or other comm. purpose	@ £3.50 per M ² or £70					
D	Building or other structure for purposes of agriculture	@ £1.00 per M ² in excess of 300 M ² Min. £70					
E	Petrol Filling Station	@ £200					
F	Dev. of prop. not coming within any of the forgoing classes	£70 or £9 per .1 hect. whichever is the greater					

Column 1 Certified: Signed: _____ Grade: _____ Date: _____

Column 1 Endorsed: Signed: _____ Grade: _____ Date: _____

Columns 2,3,4,5,6 & 7 Certified: Signed: [Signature] Grade: S.O Date: 2/12/91

Columns 2,3,4,5,6 & 7 Endorsed: Signed: _____ Grade: _____ Date: _____

PLANNING APPLICATION FEES

Reg. Ref. 91A/1867

Cert. No. 27262

PROPOSAL... Bungalow + garage

LOCATION... Athgore North, Newcastle

APPLICANT... F. Muller

CLASS	DWELLINGS/AREA LENGTH/STRUCT.	RATE	AMT. OF FEE REC.	AMOUNT LODGED	BALANCE DUE	BALANCE PAID
1	Dwellings	@£32	2/32	2/32	—	
2	Domestic	@£16				
3	Agriculture	@50p per m2 in excess of 300m2. Min. £40				
4	Metres	@£1.75 per m2 or £40				
5	x .1 hect.	@£25 per .1 hect. or £250				
6	x .1 hect.	@£25 per .1 hect. or £40				
7	x .1 hect.	@£25 per .1 hect. or £100				
8		@£100				
9	x metres	@£10 per m2 or £40				
10	x 1,000m	@£25 per £1000m or £40				
11	x .1 hect.	@£5 per .1 hect. or £40				

Column 1 Certified: Signed: Grade: Date:

Column 1 Endorsed: Signed: Grade: Date:

Columns 2,3,4,5,6 & 7 Certified: Signed: Grade: Date: 2/12/91

Columns 2,3,4,5,6 & 7 Endorsed: Signed: Grade: Date:

LOCAL GOVERNMENT (PLANNING AND DEVELOPMENT) ACTS, 1963 TO 1982

ASSESSMENT OF FINANCIAL CONTRIBUTION

EG.REF.:

ONT. REG.:

SERVICES INVOLVED: WATER/FOUL SEWER SURFACE WATER

AREA OF SITE:

FLOOR AREA OF PRESENT PROPOSAL:

MEASURED BY:

CHECKED BY:

METHOD OF ASSESSMENT:

TOTAL ASSESSMENT:

MANAGER'S ORDER NO: P/ /
DATED

ENTERED IN CONTRIBUTION REGISTER:

Carroll

*£ 371
water/
only*

DEVELOPMENT CONTROL ASSISTANT GRADE

J 7/5/92

EOH

TO:-

Date: 8/4/92

Page 1 of (2)

Attn/Name: Miss Rose Kenny

Company: Dublin Co. Council, Planning Dept.,

Telefax No:

Your Ref. No. 91A / 1867

FROM:-

Name: Miss Fidelma Mulhere

Athgoe North, Newcastle, Co. Dublin.

TELEFAX

RECEIVED

22
below 20 APR 1992

Reg. Sec.

Erection of Bungalow & Garage at Athgoe North, Newcastle for
FIDELMA MULHERE.

As suitabale septic tank drainage is not possible due to prevailing site conditions, as can be confirmed by the Supervising Environmental Health Officer.

It is our intensions:-

To overcome the above difficulties, we have employed the services of Bord Na Mona who have recommended their "Puraflo" system. Same to be installed in same position as orignal soak way.

Bord Na Mona and applicant are prepared to meet your inspector on site at a mutual time to suit all partied. We shall contact Eolas' Inspector to arrange meeting early next week.

We trust our foregoing is to your immediate approval.

Regards,

91A/1867

J.O.O..)

and A.1

Fidelma Mulhere

Fidelma Mulhere

RECEIVED

15. APR 92

DUBLIN COUNTY CCL
PLANNING

To: DUBLIN COUNTY COUNCIL,
PLANNING DEPT.

Date: 4-5-92

Page 1 of (7)

TO:-

Attn/Name: MISS ROSE KENNY

Company: DUBLIN CO CO PLANNING DEPT.

Telefax No: _____

Your Ref. No.

APPLICATION NO 91A/867

FROM

Name: MISS F MULHERR

Our Ref No. ATHGOE, NEWCASTLE CO DUBLIN.

TELEFAX

FOR YOUR INFORMATION - HERewith
 COPY FAX AS SENT, ENVIRONMENTAL
 HEALTH SECTION.

REGARDS, F. MULHERR

To: DUBLIN COUNTY COUNCIL.
ENVIRONMENTAL HEALTH SECTION

TO:-

Date: 4-5-92Attn/Name: MISS JACKIE KELLY.

Page 1 of (6)

Company: _____

Telefax No: 747 677Your Ref. No. PLANNING APPLICATION N^o 91A/867

FROM:-

Name: MISS F MULHEREOur Ref No: ATHGOE NEWCASTLE CO DUBLIN.**TELEFAX**

PLEASE BE ADVISED THAT AFTER
FURTHER CONSIDERATION AND TECHNICAL
ADVICE WE PROPOSE:-

IN VIEW OF DIFFICULTIES WITH SITE
PERCOLATION, TO INSTALL "BIOCYCLE"
DOMESTIC TREATMENT SYSTEM
SUITABLE FOR UP TO 10 PEOPLE,
"BIOCYCLE" SYSTEM COMPLETE WITH
IRRIGATION EQUIPMENT.

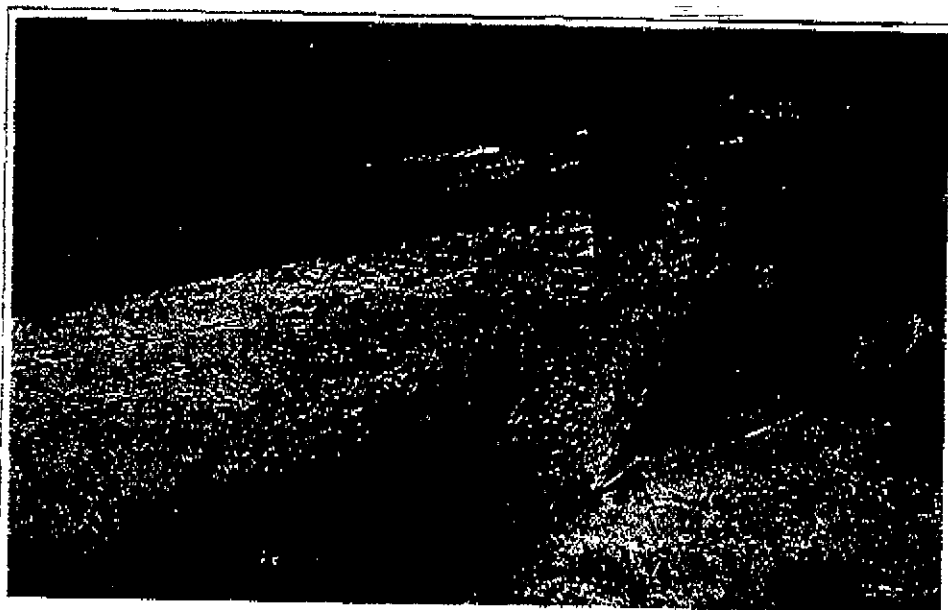
"BIOCYCLE" TREATMENT PLANT WOULD
BE POSITIONED AT POINT WHERE
SEPTIC TANK IS SHOWN ON OUR
DRAWINGS.

"BIOCYCLE" TREATMENT PLANT WIE
BELIVE IS AN APPROVED AND TESTED
TREATMENT SYSTEM SUITABLE FOR
WASTE DISPOSAL OF APPLIED FOR
PLANNING PERMISSION OF ONE HOUSE.

PLEASE FIND HERewith 4 PAGES BASIC
DESCRIPTION OF BIOCYCLE WASTE
WATER TREATMENT SYSTEM.

THIS CORRESPONDANCE SUPERSEDES
PREVIOUS PROPOSAL.

REGARDS, F. MULHERE.

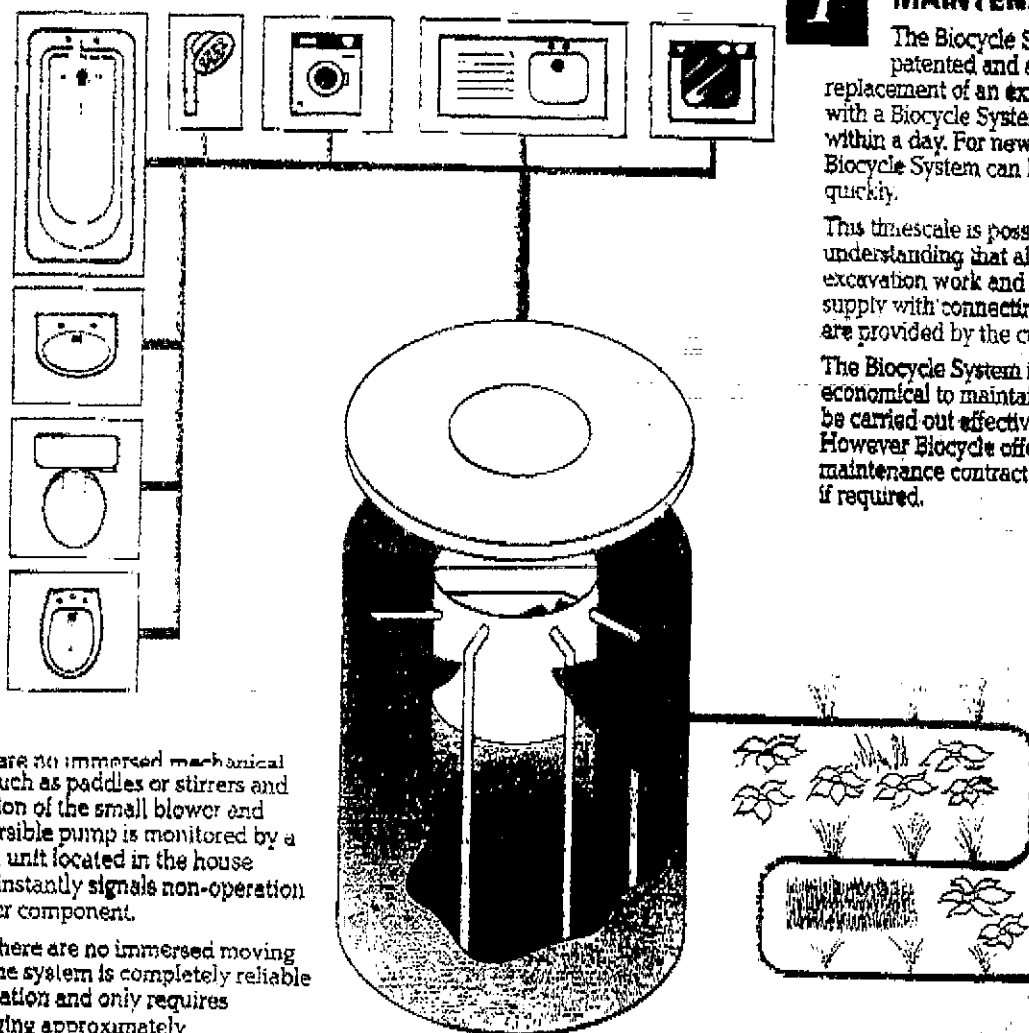


I NSTALLATION AND MAINTENANCE

The Biocycle System is fully patented and approved. The replacement of an existing septic tank with a Biocycle System can be effected within a day. For new homes the Biocycle System can be installed as quickly.

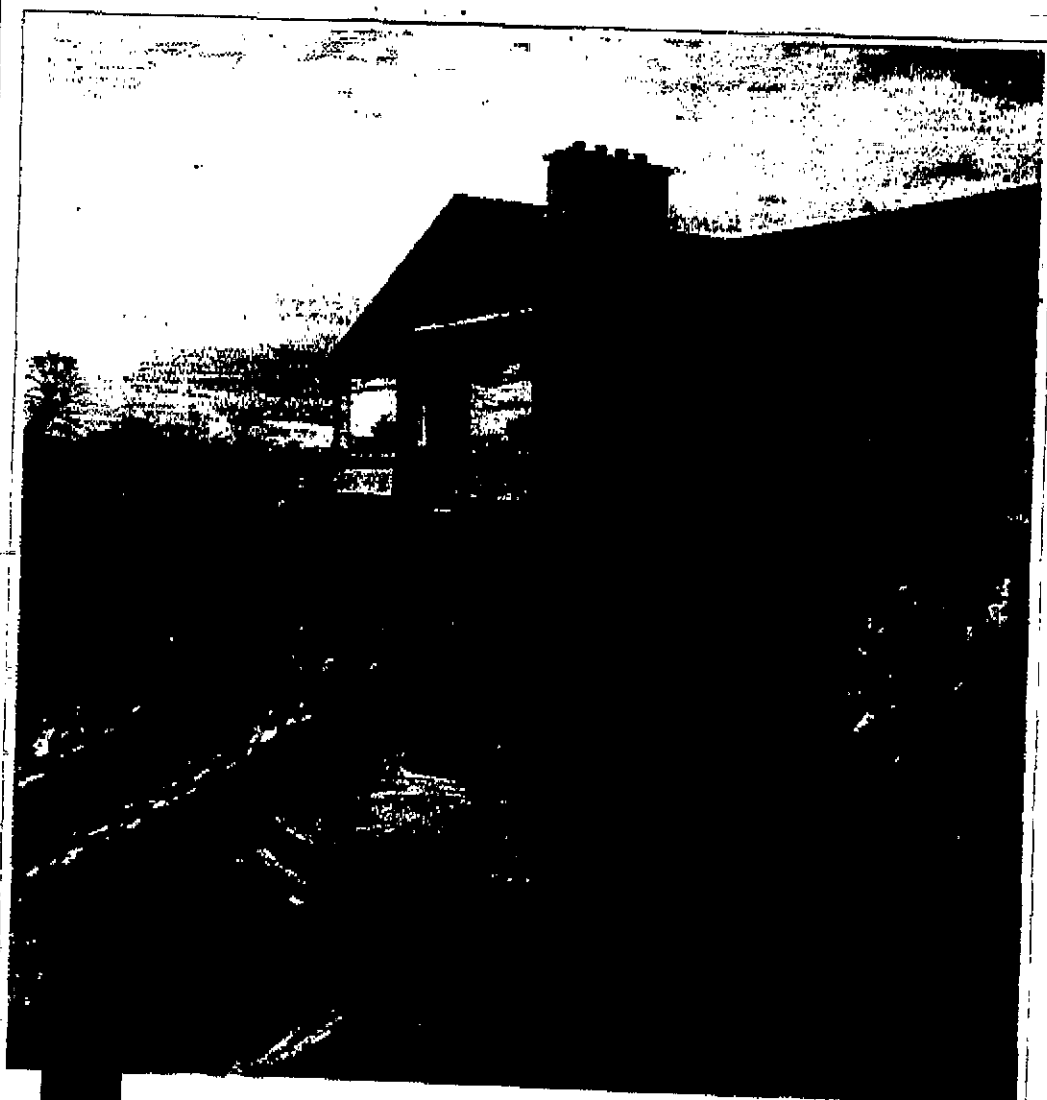
This timescale is possible on the understanding that all necessary excavation work and an electrical supply with connecting cable trench are provided by the customer.

The Biocycle System is simple and economical to maintain. Servicing can be carried out effectively by the client. However Biocycle offer a guaranteed maintenance contract to all customers if required.



There are no immersed mechanical parts such as paddles or stirrers and operation of the small blower and submersible pump is monitored by a control unit located in the house which instantly signals non-operation of either component.

Since there are no immersed moving parts the system is completely reliable in operation and only requires desludging approximately every nine years.



- *Biocycle is an environmentally safe and approved system.*
- *Soakaways receive a high quality discharge unequalled by any other system.*
- *Where surface dispersal is employed as an alternative, there is no direct discharge to affect ground water quality.*
- *The BIOCYCLE SYSTEM is made in IRELAND.*

BIOCYCLE—HOW IT WORKS

The unit is a highly effective and clean replacement for the conventional septic tank and consists of a 2 metre diameter circular tank available in either fibreglass or concrete, within which are four chambers.

The first chamber called the **receiving chamber** receives all domestic waste and sewage effluent and achieves an immediate reduction of 40% in organic loading by anaerobic action before passing the effluent to the next chamber. This chamber known as the **aeration chamber** allows the effluent to be influenced by air from a small blower via diffusers which increases the dissolved oxygen level. The effect of this on a submerged self cleaning media enables aerobic bacteria to further digest solids and significantly reduce biological sludge accumulation.

After aeration the effluent flows into the **clarification chamber** where sludge settles under quiescent conditions to the bottom and is picked up by a pipe (air pumped from the blower unit) and recycled to the first chamber to maintain activity even in conditions of zero flow when the residence is unoccupied. A skimmer pipe operating on the same principle transfers floating matter also to the first chamber.

The final chamber known as the **outflow or irrigation chamber** receives the main effluent flow from the clarification chamber via a chlorination bank and this disinfected effluent remains in this outflow chamber for a minimum period of twenty to thirty minutes before it is discharged by a float operated submersible pump to surface dispersal sprays or a conventional soakaway.

bioCYCLE

bioCYCLE LTD. WASTE WATER TREATMENT SYSTEMS

Unit 107 Baldoyle Industrial Estate, Dublin 13. Tel. 391000. Fax 391998.

BIOCYCLE SYSTEMS have been purchased and installed by many institutions including State and Semi-State bodies ranging from domestic to commercial units. These include:-

Single Domestic Dwellings

Convalescent Homes

Caravan Parks

Pubs

Golf Clubs

Restaurants

Interperative Centres

Fish Farms

Factories

Rail Stations

Hostels

Apartment Blocks

Aviation Maintenance Building

Equestrian School/Stud Farm

BIOCYCLE SYSTEMS have been installed with approval in many counties throughout Ireland as follows.

Co. Dublin
Co. Wicklow
Co. Galway
Co. Kilkenny
Co. Cork
Co. Louth

Co. Donegal
Co. Armagh
Co. Tipperary
Co. Meath
Co. Kildare
Co. Wexford

Register Reference : 91A/1867

Date : 13th February 1992

Development : Erection of a bungalow and garage

LOCATION : Athgoe North, Newcastle

Applicant : Fidelma Mulhere

App. Type : Additional Information

Planning Officer : M.GALVIN

Date Recd. : 10th February 1992

Attached is a copy of the application for the above development .Your report would be appreciated within the next 28 days.

Yours faithfully,

.....
for PRINCIPAL OFFICER

Insufficient information received to deal with this application.

Trail hole inspected on 17/2/92, 5'6" Deep.
~~Heavy~~ Full of shale and rock,
unsuitable for septic tank drainage.

THREE MORE TRAIL HOLES inspected on the
24/2/92. ALL full of shale and rock, unsuitable
for septic tank drainage.

for Ita Devine
John O'Reilly
SUPER. ENVIRON. HEALTH OFFICER,
33 GARDINER PLACE,
DUBLIN 1.

2/3/92.

PLANNING DEPT.	
DEVELOPMENT CONTROL SECT	
Date	05.03.92
Time	9.30

Peter Coleman
2/3/92.

COMHAIRLE CHONTAE ÁTHA CLIATH

Record of Executive Business and Manager's Orders

B E L G A R D

Register Reference : 91A/1867

Date Received : 26th November 1991

Correspondence : Miss Fidelma Mulhere,
 Name and : Athgoe North,
 Address Newcastle,

Co. Dublin
 Applicant: Fidelma Mulhere

Floor Area: 208 sq. yds.

Development : Erection of a bungalow and garage

Zoning: 'B'

Location : Athgoe North, Newcastle
 (MG/CM)

Report of the Dublin Planning Officer, dated 16th January, 1991.

This is an application for permission for a bungalow and garage at Athgoe North, Newcastle, for Fidelma Mulhere and Billy Byrne.

The proposed site which has a stated area of 1 acre is located close to the top of Athgoe Hill in an area zoned 'B' "to protect and provide for the development of agriculture". It forms part of a larger field at this location and has a frontage of c.60 metres along a substandard and narrow country road. The proposed site is bounded by an existing high hedgerow along the road frontage. There are existing houses to the northeast and southwest and also opposite the subject site.

Lodged plans provide for the construction of a 208sq. yard pitched roof bungalow at this location. This is to be orientated towards the northeast. A flat roofed garage is proposed to the rear.

The proposed development would contribute to further undesirable ribbon development at this prominent location. Reg. Ref. Nos. 91A/134 and 91A/1248 refer to recent refusals of permission by the Council for bungalow developments at nearby sites at Athgoe Hill. ~~The former was upheld on appeal to An Bord Pleanála.~~

In this instance, the applicants have not submitted any details as to how they can be considered to comply with Council Policy, (Para.2.3.9) regarding housing in the countryside, i.e. need to reside in the area/close relationship with rural area. It is noted that the applicants have an address in Athgoe North. It is considered that additional information should be sought to clarify whether the proposed development is compatible with Council Policy.

Roads Department report states that the proposal constitutes undesirable ribbon development on a substandard rural road network which will lead to a demand for the uneconomic provision of services and would set an undesirable precedent for further similar developments in the area. Roads report also outlines conditions in the event of permission issuing.

COMHAIRLE CHONTAE ÁTHA CLIATH

Record of Executive Business and Manager's Orders

Sanitary Services report

Environmental Health Officers report not received. Environmental Health Officer contacted. They have not been requested to inspect trial holes etc. to date.

As stated the proposed development is considered to represent undesirable ribbon development at this location. However, as the applicants have an address in Athgoe North, additional information should be requested to determine whether the applicants comply with Council Policy, (Paragraph 2.3.9).

I recommend that ADDITIONAL INFORMATION be requested from the applicant with regard to the following:-

- 01 The site of the proposed development is located in an area zoned 'B' - "to protect and provide for the development of agriculture" in the Dublin County Development Plan. The applicant is requested to clarify how the proposed development would be considered compatible with the above zoning objective and with Planning Authority policy in respect of the provision of dwellings in rural areas (Paragraph 2.3.9 of the 1983 Dublin County Development Plan).
- 02 The applicant is requested to submit details of site suitability for septic tank drainage. In this regard the applicant shall ^{show} open a trial hole to comply with the requirements of the IIRS booklet SR6 1975 - Recommendations for septic tank drainage systems suitable for single dwellings, available from EOLAS. The applicant shall ^{show} arrange to have the trial hole inspected by the Supervising Environmental Health Officer, 33 Gardiner Place, Dublin 1, Tel. 727777.

COMHAIRLE CHONTAE ÁTHA CLIATH

Record of Executive Business and Manager's Orders

W. Penderfast
.....
for Dublin Planning Officer

[Signature]
.....
for Principal Officer

Order: I direct that ADDITIONAL INFORMATION be requested from the applicant for Permission as set out in the above report and that notice thereof be served on the applicant.

Dated : *23rd* JANUARY 1992
.....

[Signature]
.....
ASSISTANT COUNTY MANAGER/~~APPROVED OFFICER~~

to whom the appropriate powers have been delegated by order of the Dublin City and County Manager dated *10th December* 1991.

P/2057/92.

COMHAIRLE CHONTAE ÁTHA CLIATH

Record of Executive Business and Manager's Orders

BELGARD

SECTION:
375
note
my
Chair
SECRET
Banc.
Cash

Register Reference : 91A/1867

Date Received : 10th February 1992

Correspondence : Miss Fidelma Mulhere,
Name and : Athgoe North,
Address : Newcastle,
Co. Dublin

Development : Erection of a bungalow and garage.

Location : Athgoe North, Newcastle

Applicant : Fidelma Mulhere

App. Type : Permission

Zoning :

Floor Area : Sq.metres

(NP/CM)

Report of the Dublin Planning Officer, dated 7th May, 1992.

This is an application for permission for a bungalow and garage at Athgoe North, Newcastle, for Fidelma Mulhere and Billy Byrne.

The proposed site which has a stated area of 1 acre is located close to the top of Athgoe Hill in an area zoned 'B' "to protect and provide for the development of agriculture". It forms part of a larger field at this location and has a frontage of c.60 metres along a substandard and narrow country road. The proposed site is bounded by an existing high hedgerow along the road frontage. There are existing houses to the northeast and southwest and also opposite the subject site.

Lodged plans provide for the construction of a 208 sq. (ft) (stated as sq. ft) pitched roof bungalow at this location. This is to be orientated towards the northeast. A flat roofed garage is proposed to the rear.

The proposed development would contribute to further undesirable ribbon development at this prominent location. Reg. Ref. Nos. 91A/134 and 91A/1248 refer to recent refusals of permission by the Council for bungalow developments at nearby sites at Athgoe Hill. Both decisions were upheld on appeal to An Bord Pleanála.

COMHAIRLE CHONTAE ÁTHA CLIATH

Record of Executive Business and Manager's Orders

Reg.Ref: 91A/1867

Page No: 0002

Location: Athgoe North, Newcastle

In this instance, the applicants have not submitted any details as to how they can be considered to comply with Council Policy, (Para.2.3.9) regarding housing in the countryside, i.e. need to reside in the area/close relationship with rural area. It is noted that the applicants have an address in Athgoe North. It is considered that additional information should be sought to clarify whether the proposed development is compatible with Council Policy.

Roads Department report states that the proposal constitutes undesirable ribbon development on a substandard rural road network which will lead to a demand for the uneconomic provision of services and would set an undesirable precedent for further similar developments in the area. Roads report also outlines conditions in the event of permission issuing.

Sanitary Services report

Environmental Health Officers report not received. Environmental Health Officer contacted. They have not been requested to inspect trial holes etc. to date.

As stated the proposed development is considered to represent undesirable ribbon development at this location. However, as the applicants have an address in Athgoe North, additional information should be requested to determine whether the applicants comply with Council Policy, (Paragraph 2.3.9).

The applicants were requested to submit additional information on 23rd January, 1992 as follows:-

1. The site of the proposed development is located in an area zoned 'B' - "to protect and provide for the development of agriculture" in the Dublin County Development Plan. The applicant is requested to clarify how the proposed development would be considered compatible with the above zoning objective and with Planning Authority policy in respect of the provision of dwellings in rural areas (Paragraph 2.3.9 of the 1983 Dublin County Development Plan).
2. The applicant is requested to submit details of site suitability for septic tank drainage. In this regard the applicant should open a trial hole to comply with the requirements of the IIRS booklet SR6 1975 - Recommendations for septic tank drainage systems suitable for single dwellings, available from EOLAS. The applicant should arrange to have the trial hole inspected by the Supervising Environmental Health Officer, 33 Gardiner Place, Dublin 1, Tel. 727777.

The applicant, in Additional Information has stated that the services of Bord Na Mona have been retained and they are recommending that a Puraflo system be

COMHAIRLE CHONTAE ÁTHA CLIATH

Record of Executive Business and Manager's Orders

Reg.Ref: 91A/1867

Page No: 0003

Location: Athgoe North, Newcastle

used. The Principal Environmental Health Officer has indicated that a permission with appropriate conditions would be acceptable in this instance.

Mains water supply is proposed.

The applicant is the daughter of the owner of the landholding. was born & reared in the area.
The proposed development is consistent with provisions included in the Development Plan.

I recommend that a decision to GRANT PERMISSION be made under the Local Government (Planning and Development) Acts, 1963 - 1991, subject to the following () conditions :-

CONDITIONS / REASONS

- 01 The development to be carried out in its entirety in accordance with the plans, particulars and specifications lodged with the application save as may be required by the other conditions attached hereto.

REASON: To ensure that the development shall be in accordance with the permission and that effective control be maintained.

- 02 That a financial contribution in the sum of £ 375 be paid by the proposer to the Dublin County Council towards the cost of provision of public services in the area of the proposed development and which facilitate this development; this contribution to be paid before the commencement of development on the site.

REASON: The provision of such services in the area by the Council will facilitate the proposed development. It is considered reasonable that the developer should contribute towards the cost of providing the services.

- 03 Ditch to be piped on site frontage with pipes of adequate size and strength to the satisfaction of the Area Engineer.

- 03 REASON: In the interest of the proper planning and development of the area.

- 04 Boundary of site in the vicinity of the entrance to be set back to provide a 10m x 3m hard standing for vehicular parking. Details to be agreed with Area Engineer.

- 04 REASON: In the interest of the proper planning and development of the area.

COMHAIRLE CHONTAE ÁTHA CLIATH

Record of Executive Business and Manager's Orders

Reg.Ref: 91A/1867

Page No: 0004

Location: Athgoe North, Newcastle

05 Entrance gates to be recessed 1.5 metres and provided with wing walls splayed at 45 degrees.

05 REASON: In the interest of the proper planning and development of the area.

06 The requirements of the Principal Environmental Health Officer be ascertained and adhered to in the development. In this regard, in the event that a conventional septic tank system should prove to be unsatisfactory to the Principal Environmental Health Officer, then an alternative system such as ~~"Puraflo"~~ or equal shall be provided.

REASON: In the interest of health.

07 That the house, when completed, be first occupied by the applicant and/or members of her immediate family.

REASON: In the interest of the proper planning and development of the area.

COMHAIRLE CHONTAE ÁTHA CLIATH

Record of Executive Business and Manager's Orders

Reg.Ref: 91A/1867

Page No: 0005

Location: Athgoe North, Newcastle

.....*M. Pendergast*.....
for Dublin Planning Officer

Endorsed:-.....*E. H. E.*.....
for Principal Officer

Order: A decision pursuant to Section 26(1) of the Local Government (Planning and Development) Acts, 1963-1991 to GRANT PERMISSION for the above proposal subject to the (7) conditions set out above is hereby made.

Dated : 7th MAY, 1992.

.....*[Signature]*.....
ASSISTANT COUNTY MANAGER/APPROVED OFFICER

to whom the appropriate powers have been delegated by order of the Dublin City and County Manager dated

20th Feb 1992

P/1457/92

COMHAIRLE CHONTAE ÁTHA CLIATH

Record of Executive Business and Manager's Orders

BELGARD

Register Reference : 91A/1867

Date Received : 10th February 1992

Correspondence : Miss Fidelma Mulhere,
Name and : Athgoe North,
Address : Newcastle,
Co. Dublin

Development : Erection of a bungalow and garage

Location : Athgoe North, Newcastle

Applicant : Fidelma Mulhere

App. Type : Permission

Zoning :

Floor Area : Sq.metres

In accordance with Section 26(4a) of the Local Government (Planning and Development) Act, 1963, as amended by Section 39(f) of the Local Government (Planning and Development) Act, 1976, the applicant has furnished his consent in writing to the extension by the Council of the period for considering this application within the meaning of subsection (4a) of Section 26, up to and including the 08.05.92.

I recommend that the period be extended accordingly.

Reason: To facilitate full consideration of the application.

Endorsed:- 
for Principal Officer

COMHAIRLE CHONTAE ÁTHA CLIATH

Record of Executive Business and Manager's Orders

Order: A decision pursuant to Section 26(4A) of the Local Government (Planning and Development) Act, 1963 to extend the period for considering the application as recommended is hereby made.

Dated : 9th April 1992 

ASSISTANT COUNTY MANAGER

to whom the appropriate powers have been delegated by order of the Dublin City and County Manager dated

..... 10th February 1992

NOTE: I have checked that the necessary entry has been made recording details of the period as extended and that the statutory expiry date on the Detail Screen has been updated.

..... 
Senior Staff Officer.

TELEPHONE: Dublin (01) 771881

TELEX: 31444 DFPHEI

FAX NO: 385953

TAGHAIRT:

Reference



AN ROINN COSANTA
(Department of Defence)

TEACH NA PAIRCE
(Park House)

BAILE ÁTHA CLIATH, 7
(Dublin, 7)

3/50719

15 January, 1992.

17. JAN 92

Dear Sir,

Re: Planning Application which might affect
Casement Aerodrome, Baldonnell, Co. Dublin

I am directed by the Minister for Defence to refer to planning application:-

91A/1867 F Mulhere, Athgoe North, Newcastle:
Bungalow

91A/1872 N Smyth, Bøherboy, Saggart:
Bungalow

No objection is seen to these proposals provided they do not exceed 11M in height above ground level.

Yours sincerely,


M. LYNCH
PROPERTY MANAGEMENT

The Secretary
Dublin County Council
Planning Department
Irish Life Centre
Lower Abbey Street
Dublin 1

PLANNING DEPT.	
DEVELOPMENT CONTROL SECT	
Date	14.01.92
Time	12.30

M39

DUBLIN COUNTY COUNCIL

REG. REF: 91A/1867.
DEVELOPMENT: Bungalow and garage.
LOCATION: Athgoe North, Newcastle.
APPLICANT: Fidelma Mulhere.
DATE LODGED: 26.11.91.

PLANNING DEPT.	
DEVELOPMENT CONTROL SECT	
Date	10.01.92
Time	1.00

This proposal constitutes undesirable ribbon development on a substandard rural road network, which will lead to a demand for the uneconomic provision of services and would set an undesirable precedent for further similar developments in the area.

1. Ditch to be piped on site frontage with pipes of adequate size and strength to the satisfaction of the Area Engineer, Roads Maintenance.
2. All stormwater shall be disposed of to soakpits or natural watercourse within the site and shall not discharge onto the public road.
3. The boundary of site shall be set back 3 metres from the centreline of the existing carriageway. The strip between edge of carriageway and boundary to be levelled and grassed to County Council Standards.
4. Entrance gate to be recessed 1.5 metres from the new boundary with wing walls splayed at 45°.
5. No development of any form including planting, fences or wing walls shall exceed a height of 0.9 metres within the area required to provide visibility from the site entrance point. The visibility requirements to be agreed with the Roads Engineer, Roads Planning Division.
6. A hard standing, measuring 10m x 3m, surface sealed to the satisfaction of the Area Engineer, Roads Maintenance shall be provided at the entrance to facilitate visiting vehicles.
7. Parking for two cars to be provided within the curtilage of the site with an adequate turning area.
8. All underground or overhead services and poles to be relocated, as may be necessary, to a suitable location adjacent to the new boundary at the developer's expense.

69. All of the above works to be carried out at the developer's expense and to the satisfaction of Dublin County Council prior to the house being occupied.

PLANNING DEPT.	
DEVELOPMENT CONTROL SECT	
Date	10.01.92
Time	1.00

TR/BMcC
9.1.92.

SIGNED: Brian Ryan

DATE: 9/1/92

ENDORSED: 473 k

DATE: 9/1/92

Building Control Department,
Liffey House,
Tara Street,
Dublin 1.
Telephone: 773066

Register Reference : 91A/1867C

Date : 9th July 1992

LOCAL GOVERNMENT (PLANNING AND DEVELOPMENT) ACTS, 1963 TO 1991

Dear Sir/Madam,

DEVELOPMENT : Compliance with conditions 6 of permission

LOCATION : Athgoe North, Newcastle

APPLICANT : Fidelma Mulhere

APP. TYPE : Compliance with Conditions

With reference to the above, I acknowledge receipt of your application
received on 8th July 1992.

APPLICANT : Fidelma Mulhere

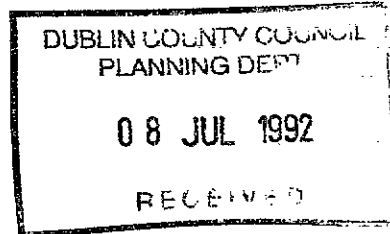
APP. TYPE : Compliance with Conditions

With reference to the above, I acknowledge receipt of your submission to
comply with conditions received on 8th July 1992.

Yours faithfully,

Ms. Fidelma Mulhere,
Athgoe North,
Newcastle,
Co. Dublin

.....
for PRINCIPAL OFFICER



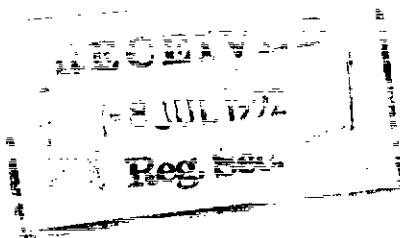
ATHGORE NORTH
NEW CASTLE
CO DUBLIN.
6-7-92

RE: DECISION N^o :- P/2057/2
REG REF N^o :- 91A/1867.
APPLICANT :- FIDELMA MULHERE

DEAR SIRs.

FOR YOUR INFORMATION
HEREWITH COPY OF DETAILS AS
SENT. MISS J. KELLY, ENVIRONMENTAL
HEALTH OFFICER, 33 GARDINER PLACE.

YOURS FAITHFULLY
P.P. FIDELMA MULHERE.



91A/1867
3.0.01
Lomb

ATHGORE NORTH

NEW CASTLE

CO DUBLIN

6-7-92

FOR THE ATTENTION OF MISS J. KELLY.

RE: DECISION ORDER N^o P/2057/92

REG REF N^o 9/A/1867.

APPLICANT: FIDELMA MULHERE

DEAR MISS KELLY,

PLEASED BE
ADVISED THAT WE PROPOSE TO USE
"BIO CYCLE", WASTE WATER TREATMENT
SYSTEM, SEE COPY OF OUR FAX
DATED 4-5-1992, HEREWITH.

BIOCYCLE PLANT WOULD BE POSITIONED
AT POINT WHERE SEPTIC TANK IS SHOWN
ON OUR DRAWING OF SITE LAYOUT.

WE PROPOSED MEETING ON SITE
WITH YOUR DEPT AND BIOCYCLE
TO DISCUSS ARRANGEMENTS TO
YOUR APPROVAL

YOURS FAITHFULLY

PP FIDELMA MULHERE

TO:- DUBLIN COUNTY COUNCIL.
ENVIRONMENTAL HEALTH SECTION

TO:-

Date: 4-5-92

Attn/Name: MISS JACKIE KELLY.

Page 1 of (6)

Company: _____

Telefax No: 747 677

Your Ref. No. PLANNING APPLICATION N° 91A/867.

FROM:-

Name: MISS F MULHERE

Our Ref No: ATHGOE NEWCASTLE CO DUBLIN.

TELEFAX

PLEASE BE ADVISED THAT AFTER
FURTHER CONSIDERATION AND TECHNICAL
ADVICE WE PROPOSE:-

IN VIEW OF DIFFICULTIES WITH SITE
PERCOLATION, TO INSTALL "BIOCYCLE"
DOMESTIC TREATMENT SYSTEM
SUITABLE FOR UP TO 10 PEOPLE.
"BIOCYCLE" SYSTEM COMPLETE WITH
IRRIGATION EQUIPMENT.

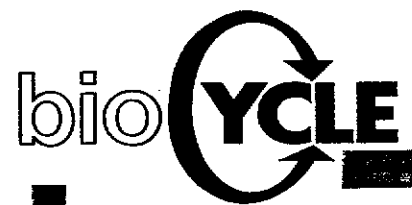
"BIOCYCLE" TREATMENT PLANT WOULD
BE POSITIONED AT POINT WHERE
SEPTIC TANK IS SHOWN ON OUR
DRAWINGS.

"BIOCYCLE" TREATMENT PLANT WE
BELIEVE IS AN APPROVED AND TESTED
TREATMENT SYSTEM SUITABLE FOR
WASTE DISPOSAL OF APPLIED FOR
PLANNING PERMISSION OF ONE HOUSE.

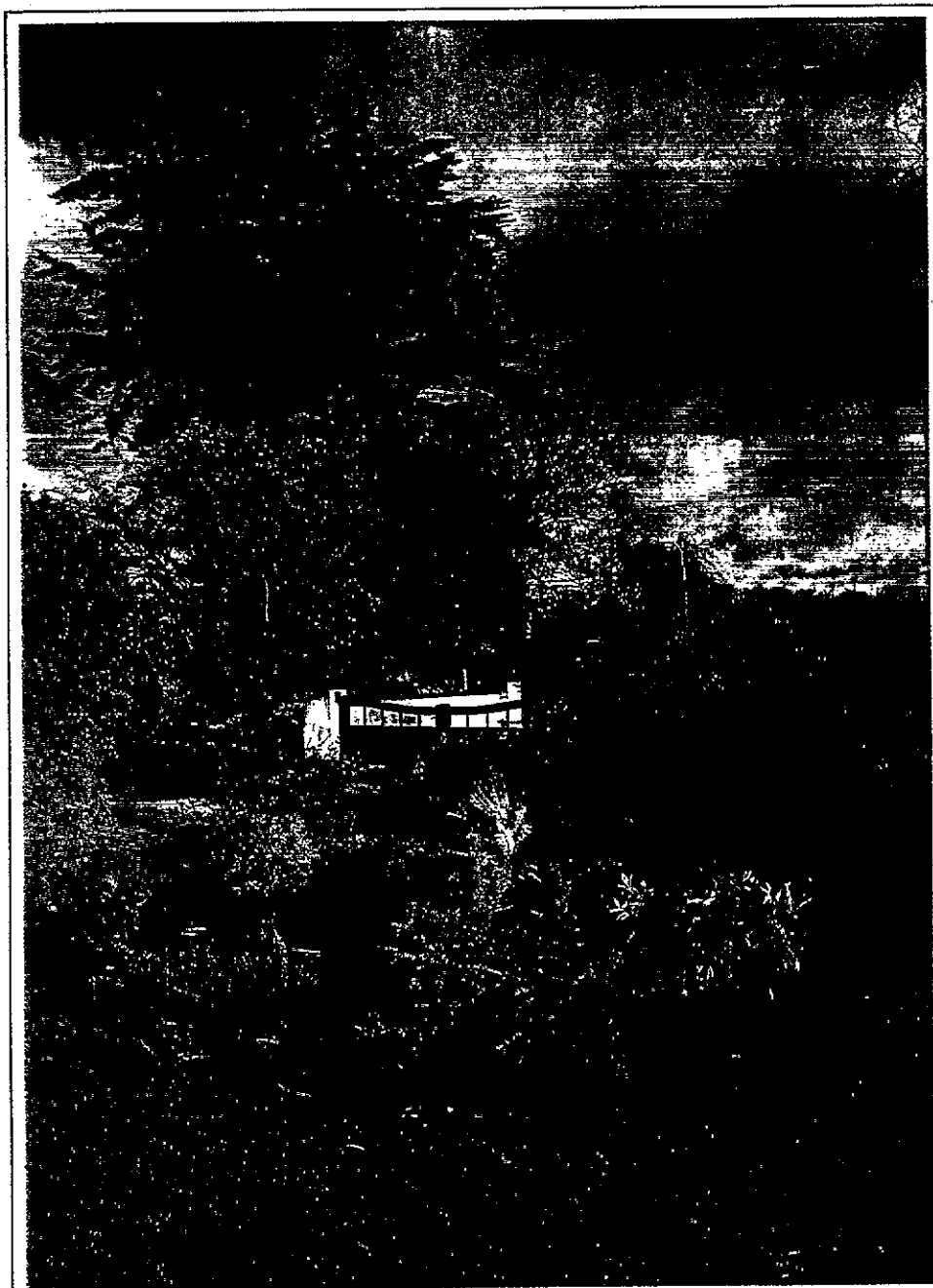
PLEASE FIND HEREWITH 4 PAGES BASIC
DESCRIPTION OF BIOCYCLE WASTE
WATER TREATMENT SYSTEM.

THIS CORRESPONDANCE SUPERSEDES
PREVIOUS PROPOSAL.

REGARDS. F. MULHERE.



**WASTE WATER
TREATMENT SYSTEM**





WASTE WATER TREATMENT SYSTEM

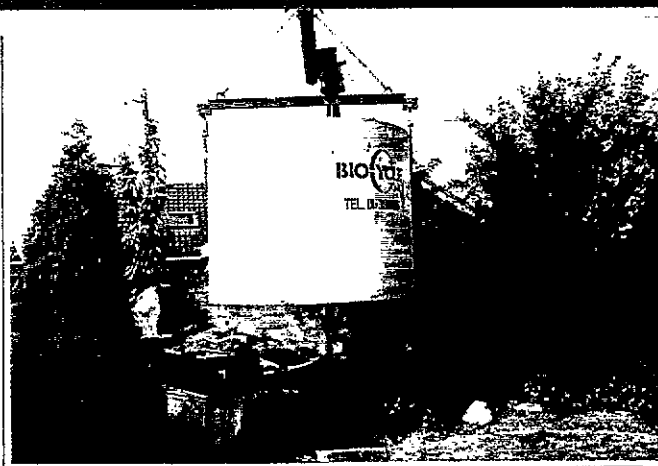
HOUSING, HOTELS, GUEST HOUSES, BARS, RESTAURANTS, FACTORIES, CLUB HOUSES, CARAVAN SITES.



THE ANSWER TO WASTE WATER DISPOSAL PROBLEMS

The system that can completely dispose of all effluent on site.

BIOCYCLE LIMITED
107 Baldoye Ind. Est.,
Dublin 13.
Tel: (01) 391000.
Fax: (01) 391998



The main advantages we offer you with the Biocycle are:-

ENVIRONMENTALLY SAFE

The unit is designed and finished to the highest standards and is completely located below ground level.

FINANCIALLY ATTRACTIVE/COMPETITIVE

The Biocycle is currently the most economical small "aerated" wastewater treatment unit available on the Irish market.

VERSATILE AND ADAPTABLE

Ideally suited for sites with poor soil conditions, or with unsuitable terrain or in confined areas.

HYGIENIC

No foul smells or odours due to unique aeration process.

LARGE CAPACITY

Large capacity greatly reduces the frequency of desludging.

EASILY OPERATED

The complete unit operates quietly and efficiently without the necessity for constant inspection. Any mechanical fault is immediately brought to your attention by the audio and visual alarm, which comes with the unit, and which is conveniently located inside your premises.

TESTED AND APPROVED

Scientifically tested and approved under field conditions in Republic of Ireland.

bio



LTD. WASTE WATER TREATMENT SYSTEMS

Unit 107 Baldoyle Industrial Estate, Dublin 13. Tel. 391000. Fax 391998

BIOCYCLE SYSTEMS have been purchased and installed by many institutions including State and Semi-State bodies ranging from domestic to commercial units. These include:-

Single Domestic Dwellings

Convalescent Homes

Caravan Parks

Pubs

Golf Clubs

Restaurants

Interperative Centres

Fish Farms

Factories

Rail Stations

Hostels

Apartment Blocks

Aviation Maintenance Building

Equestrian School/Stud Farm

BIOCYCLE SYSTEMS have been installed with approval in many counties throughout Ireland as follows.

Co. Dublin
Co. Wicklow
Co. Galway
Co. Kilkenny
Co. Cork
Co. Louth

Co. Donegal
Co. Armagh
Co. Tipperary
Co. Meath
Co. Kildare
Co. Wexford



074

Telephone: 391000 Fax: 391998
MAINTENANCE REPORT FORMCLIENT CUSTOMER NO
ADDRESS

LOCAL AUTHORITY DATE OF SERVICE

EQUIPMENT INSPECTION

CHLORINE LEVEL REPLACED NO.

IRRIGATION PUMP TYPE

FILTER

IRRIGATION LINE BURIED ☐ SURFACE ☐

SPRAY-HEADS: COMMENTS

BLOWER: COMMENTS

AIRLINES: COMMENTS

DIFFUSERS: COMMENTS

ALARMS: COMMENTS

GENERAL CONDITION OF SYSTEM

CLARIFICATION CHAMBER SLUDGE VISABLE

IRRIGATION CHAMBER CLARITY

COMMENTS

PROBLEMS OR DIFFICULTIES EXPERIENCED

COMMENTS

RECTIFIED

FURTHER ATTENTION REQUIRED

OFFICE

RECTIFICATION DELEGATED TO BY DATE

RECTIFICATION COMPLETED BY DATE

MATERIALS USED

SIGNED CLIENT SIGNED BIOCYCLE

GUARANTEE & MAINTENANCE

A. GUARANTEE

The Company guarantees to repair or replace any part of the System requiring repair or replacement due to defective manufacture, provided that the Company is given notice of the problem within 1 year from the date of this Agreement.

B. MAINTENANCE

1. Two visits during the year for servicing, monitoring and inspection. The following work will be carried out during these visits:-
 - a) Adjust air intake where necessary
 - b) Clean where necessary the inside of the tank from which the irrigation network runs.
 - c) Monitor and maintain the balance of purifiers
 - d) Replenish supply of Chlorine tablets at customer's expense.
 - e) Check water quality
 - f) Inspect the irrigation discharge lines and points
 - g) Liaise with Local Authority if required
 - h) Check the blower, irrigation pump and electrical system.
2. If the Customer requires the Company to carry out work to the System other than that specified in B.1 above or that covered by the above guarantee, then the customer will pay the Company the reasonable additional charges for such work and any necessary materials. Also the Customer shall pay the Company any reasonable additional charges for work done and materials supplied pursuant to B.1 above where the need for such work and materials results from the Customer's failure to ensure compliance with any operating instructions, suggestions, or recommendations given by the Company or from negligent or wilfully damaging actions of any person or from the System being required to bear a work load which is extraordinary for the size of house on the site or from earthquake, fire, flood, storm, lightening, tempest, or land slip or from persons not authorised by the Company interfering with the System in any way, or from the Customer's failure to comply with this agreement.

dated this _____ day of _____ 19____

Company Representative

Customer Signature/s

COMPLETION CERTIFICATE

INSTALLATION BIOCYCLE TREATMENT SYSTEM

Plant Type

Date Installed

Local Authority

Health Officer

Client Address

Architect

Engineer

Civil Contractor

Electrical Contractor

Percolation Test

Carried out by:

Inspected by:

Witnessed by:

Size of Disposal Area

Size:

Installed By: Biocycle Limited

Inspected By:

System Commissioned:

By:

Method of Disposal

This is to Certify that the Treatment Plant has been installed in accordance with Biocycle's Specification

Signed

Brian McGonagle

THE BIOCYCLE SYSTEM OFFERS THE FOLLOWING ADVANTAGES:-

ENVIRONMENTALLY FRIENDLY PRODUCT

High quality and safe effluent prevents environmental damage.

Elimination of health risk achieved by chlorination of the final effluent.

FINANCIALLY FRIENDLY

The system is currently the most economical and compact "aerated" wastewater treatment plant available.

VERSATILE SYSTEM

Ideally suited for areas with poor soil conditions and sloping or confined sites.

USER FRIENDLY SYSTEMS

No foul smells or odours.

No health hazards.

Desludging 7 to 12 years.

Capable of absorbing shock loads.

Simple to maintain.

WATER CONSERVATION

The final discharge from the system is suitable for garden irrigation.

PROVEN TECHNOLOGY

All technology used in the Biocycle System has been scientifically tested and approved.

BUILDING
EXPO
PRODUCTS
AWARDS

This is to certify that

Dere Rite Irrigation System

Exhibited by

Biocycle

has been selected as a finalist in the

FLAN
EXPO
1991

NEW PRODUCT OF THE YEAR AWARD

1991

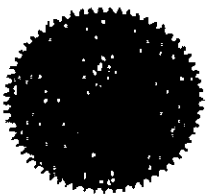
in the

Best Innovation

category

Signed Michael Smith

Michael Smith T.D.
Minister for Science and Technology
Patron of the Awards





EXPO '90

Co-ordinated by TALL Magazine



This is to certify that

The Waste Water Treatment
Exhibited by System
Biocycle

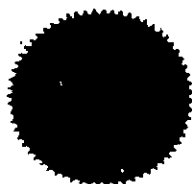
has been Awarded the

Plan
EXPO

NEW PRODUCT OF THE YEAR AWARD
1990

Signed Michael Smith

Michael Smith T.D.
Minister for Science and Technology
Patron of the Awards



SPECIFICATION
BIOCYCLE WASTE WATER
TREATMENT SYSTEM



Biocycle Ltd.,
107 Baldoyle Industrial Estate,
Dublin 13.

THE IRISH SCIENCE AND TECHNOLOGY AGENCY
Glasnevin, Dublin 9, Ireland. Telephone 01-370101.
Fax 01-379620. Telex 32501.

Attention: Mr F Kavanagh.

Our Ref: R.6/07999E

5 April 1990.

Re: Biocycle Waste Water Treatment System.

Dear Mr Kavanagh,

Thank you for sending details of the above system for treating domestic waste water. We also acknowledge receipt of analytical results. Having examined two working units in North County Dublin we are in a position to comment on the Biocycle as a means of treating and disposing of domestic waste water.

In our opinion the system is superior to the conventional septic tank and percolation method for disposing of domestic waste water from single house dwellings. The septic tank is really only a settling tank and removes the pollution load associated with the solids. It does not remove the soluble organic load and this can only be removed or reduced by the percolation process in suitable conditions.

The Biocycle achieves degradation of the total organic load and the sludge produced will be stable ie., it will have been self digested. The system is a mini-version of the modern method of effluent treatment used by the local authorities to treat municipal effluent ie., biological oxidation. The principal difference is that the detention time per capita in the Biocycle is longer than in a local authority plant. Because of this the effluent from the Biocycle should be of higher quality. The effluent from the system will be of much better quality than that from a septic tank. Consequently the

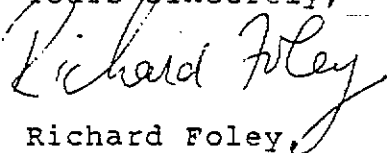
risk of surface and groundwater pollution will be much reduced. As such the system is to be recommended.

We have examined the test reports submitted and the results (BOD removal greater than 90% and suspended solids removal greater than 80%) are in line with what we would have expected from this type of treatment system given the principal of operation and the retention time involved.

As you are probably aware there are areas in the country where conventional septic tanks and percolation are not suitable as a means of treating and disposing of domestic waste water. For example, bacteriological contamination of groundwater by the septic tank method of treatment is of increasing concern to the local authorities and health boards. Properly selected the Biocycle will be particularly suitable for such areas.

The fact that the Biocycle requires electrical power for the air blower and pump means that consideration must be given at each installation to the effects of power cuts and blower and pump malfunction. Even allowing for the capacity of the system to accept about 4 days of raw effluent after say a pump malfunction, it would be important to equip each installation with a high liquid level alarm, independently powered (eg., battery pack), to alert the house holder to a malfunction.

Yours sincerely,



Richard Foley.
Environmental Services.
rf/RF.

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SECTION ONE

GENERAL

The Biocycle 5100 litre system is a packaged Waste Water Treatment Plant for domestic applications where mainline sewage is not available or where the soil types or terrain do not suit conventional site disposal systems but particularly where environmental damage wishes to be avoided.

The System is designed and installed in accordance with the British Standards code of practise for "Design and Installation of small sewage treatment works and cesspools" (B.S. 6297, 1983).

The Unit provides for a retention period of four days and has an actual working capacity of 5100 litres. In addition, the System has a further capacity of 2,400 litres to cater for any overflow. However, even if the system overflows there are sufficient chlorine stocks within the system that dissolve as the liquid rises and renders the overflow relatively harmless.

SECTION TWO

Plant Description

How it works

Biological sewage treatment plants for fairly small and sometimes quite large establishments have been available for many years. Such systems are generally based on the activated sludge principle, followed by clarification by means of settling; and tertiary treatment by means of chlorination or ponding.

The BIOCYCLE aerobic treatment plants used for single dwellings and small commercial concerns are somewhat different from the conventional package treatment plants.

THE SYSTEM AND ITS FUNCTIONS

The BIOCYCLE system is divided into four principal chambers.

1. RECEIVING CHAMBER (anaerobic/septic)
2. AERATION CHAMBER
3. CLARIFICATION CHAMBER
4. IRRIGATION (pump) CHAMBER

CHLORINATION takes place between chambers three and four.

THE RECEIVING CHAMBER

All wastes are received into this first chamber. Anaerobic digestion of solids occur as a primary treatment achieving a reduction in the BOD5 level (organic loading) of up to 40%. This chamber also provides other valuable services to the Biocycle System in that it acts as a receiving chamber for not only organic waste but also inorganic matter, sludge and skimmed material (sent back from the clarification chamber) and cellulose materials that require longer retention for breakdown. The introduction of Aerated/Activated sludge from the Clarification chamber excites and further assists the digestion of solids.

Sludge, (the ultimate by-product of waste), is accumulated in this chamber and when desludging is required, (estimated at 9 years in the average household), then only does this chamber require pumping out.

AERATION CHAMBER

Whilst the Receiving Chamber digests a percentage of the organic loading, the Aeration Chamber is capable of achieving the required treatment standard without the assistance of the first chamber.

The displaced and partially treated waste flows from the receiving chamber to this chamber and air is supplied by means of a Blower (compressor) and distributed via diffusers. The amount of air required is dependent upon a calculation based on the anticipated organic loading (BOD5) and the transfer of oxygen into the water, (increasing the dissolved oxygen level). The blower used in the BIOCYCLE System for the individual household is specified to treat loading of 2,800 litres per day with a BOD5 influent loading of 250mg per litre.

The Aeration Chamber contains a submerged media upon which grow both aerobic and anaerobic bacteria. The media is located where beneficial bacteria thrive. A zoogloal film of bacterial and algal matrix develops on this media thus providing biological treatment. The type of media used in the Biocycle System has a discreet flow pattern with a give surface area to volume ration and self cleansing action.

The Aeration Chamber in the Biocycle System is however different in theory from an ordinary suspended growth system. Both sub-surface anaerobic and surface aerobic micro-organisms grow on the submerged media. However the anaerobic bacterial action results in a continuous reduction of the media growth and therefore a reduction in Biological Sludge accumulation.

Nevertheless, as the thickness of the material grows, some separation caused by the high liquid movement will occur. This separation will ultimately result in excess sludge in the aeration compartments which will ultimately flow to the next chamber, (Clarification Chamber), for pick up and return to the Receiving Chamber.

An amount of activated sludge in the Aeration Chamber plays an important role allowing additional micro-organisms to grow on the sludge particles further assisting digestion.

In the Biocycle System the capacity of this chamber allows for a 24 hour detention time of the influent load, (16 hours, generally being regarded as sufficient, in some commercial applications, a greater detention period may be necessary).

CLARIFICATION CHAMBER

After Aeration, the effluent flows into this chamber and is allowed to settle down under quiescent conditions. Sludge/undigested material settles to the bottom where it is picked up and returned to the Receiving Chamber. Floating matter is also collected and returned to the Receiving Chamber.

The method adopted in the return of settled or floating matter is via a venturi pump, (run off the air supply to the Aeration Chamber) and is capable of automatic and continuous operation.

The benefit of a continuous sludge/skimmer return to the Receiving Chamber provides a continuous supply of "food" to the plant and thus ensures a "healthy" system during periods of zero flow or extended vacancy.

From the Clarification Chamber the effluent is drawn-off at below the surface level and flows to the pump chamber.

CHLORINATION

During this flow the effluent comes into contact with calcium hypochlorite tablets (guaranteed 70% active).

Within the Biocycle Chlorinator a weir has been set and calibrated to suit above normal water usage, and is designed for a flow rate generated by a household of up to ten persons and to provide sufficient chlorine stocks under maximum usage with in-built safety factors to cover all foreseeable circumstances between the quarterly maintenance calls with 100% safety margin.

IRRIGATION SYSTEM

After disinfection, the aerated, settled and chlorinated water is retained in this chamber to ensure a minimum 20 to 30 minutes contact time then pumped via an irrigation system to wherever it is required in the garden landscape area of the property.

IRRIGATION SYSTEM

The Biocycle unit comes complete with its own irrigation system designed specifically to cater for all discharge from the plant. The type of irrigation network provided will depend on site condition and location. The following are the five main options.

1. Surface Irrigation:

The treated effluent is discharged through sprayheads at ground level and is particularly suitable for use in landscaped areas such as shrub borders, hedge rows or flower beds. This method makes most use of evapotranspiration.

2. Subsurface Irrigation:

In this case the treated effluent is dispersed just below ground level where it is easily accessible to vegetation such as playing fields, lawns, etc.

3. Root Feeder System:

This method provides for the distribution of the effluent onto selected plants, shrubs, trees etc by means of pressure fed dripper lines.

4. Subsurface Dispersal:

When using this method the effluent is distributed over a selected percolation area by means of a pressure fed dripper line and is ideally suitable for car parks, etc.

5. Traditional Percolation Bed:

The Biocycle Unit can be used in conjunction with a traditional percolation field the size of location of this percolation field would not be restricted in the same manner as when used with a septic tank system. This is due to the far superior level of treatment provided by the Biocycle Unit.

FINAL EFFLUENT QUALITY

A properly maintained plant produces treated waste water of very high quality which is well below levels of both BOD5 and suspended solids usually required by the local authorities.

The normal requirements is for BOD5 of 20mg/litre and suspended solids of 30mg/litre.

In relation to faecal coliforms the following standards apply:

Not more than 30 faecal coliform organisms per 100ml.

Free Chlorine - Not less than 0.5 mg per litre (0.5ppm)

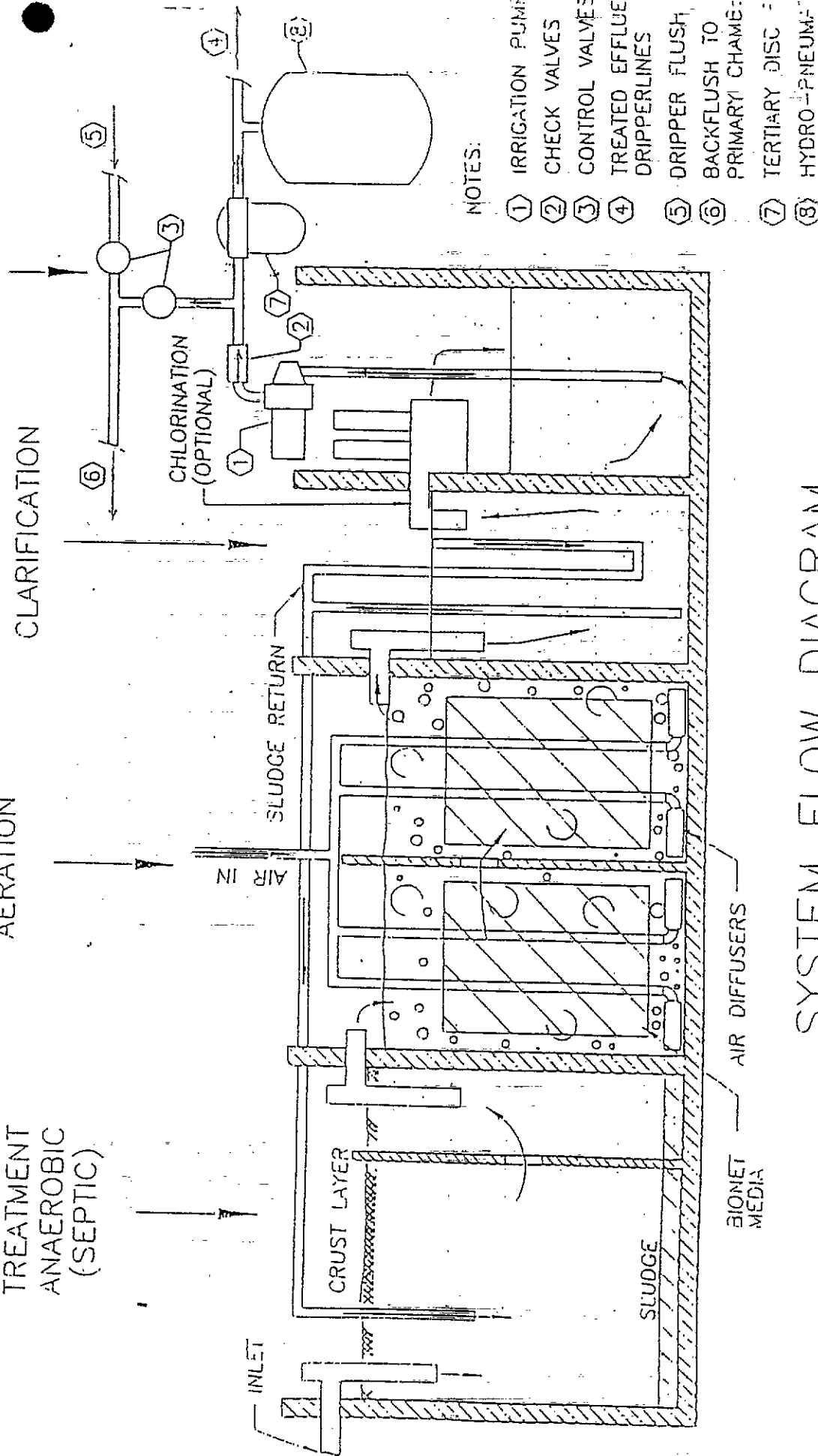
All tests on the Biocycle unit thus far have never recorded any presence of faecal coliform organisms.

PRIMARY
TREATMENT
ANAEROBIC
(SEPTIC)

SECONDARY TREATMENT
AERATION

CLARIFICATION

IRRIGATION

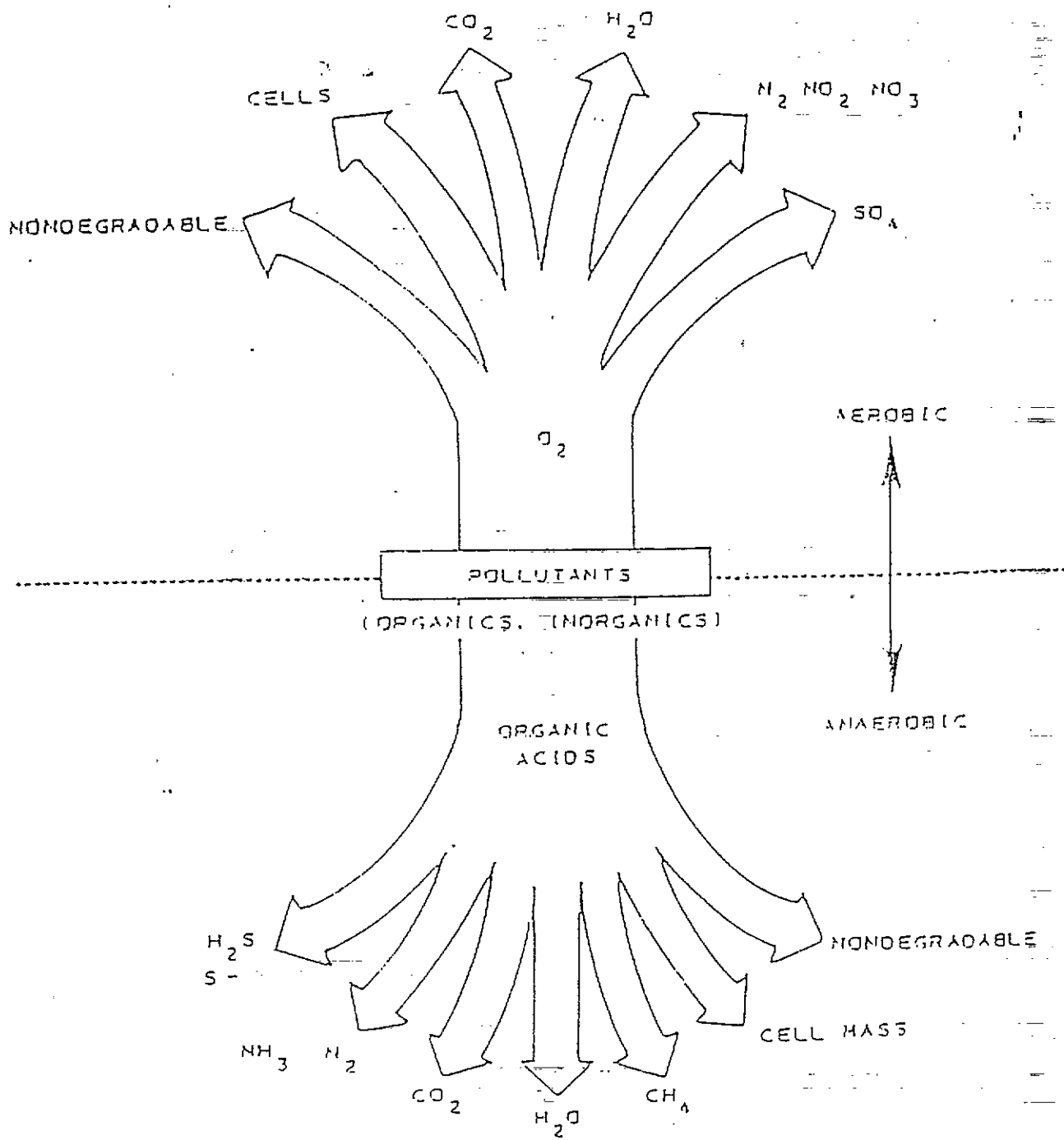


SYSTEM FLOW DIAGRAM

NOT TO SCALE

FIGURE 3.1.1

AEROBIC AND ANAEROBIC DECOMPOSITION PRODUCTS



E.P.A. (1980)

SECTION THREE

Design Criteria

The designed capacity for the Biocycle 5200 litres system is for up to 10 people.

The plant is designed to function automatically between routine service inspections.

The plant is designed to operate under the following loads.

Hydraulic loads

- | | | |
|---|------|------------|
| (a) Average daily per capita flow | | 230 litres |
| (b) Maximum per capita flow rate in any two hour period | | 125 litres |

Biological loads

- | | | |
|---|------|-------------|
| (a) Average daily per capita 5 day BOD | | 100 grammes |
| (b) Average daily per capita total suspended solids | | 100 grammes |

SECTION FOUR

Tank

The outer tank is designed and constructed from reinforced precast concrete in accordance with B.S.8007 (designed of concrete structures for retaining aqueous liquids).

Internal/Chambers

The main dividing "bladders" and clarification/irrigation chambers are constructed from fibreglass in accordance with B.S. 4994 (vessels and tanks on reinforced plastics).

Clarification Chamber:

Height ... 1400mm
Diameter ... 950mm
Capacity ... 310 litres

Irrigation Chamber

Height ... 1400mm
Diameter ... 950mm
Capacity ... 300 L

Air Systems

Pipework used for the fabrication of the aeration system, sludge return and top level skimmer are in accordance with B.S. 3505/4346.

The compressor/blower used provides continuous supply of air at 96 litres/minute and has a power rating of 110 watts.

Chlorination System

Chlorination takes place as effluent flows between the clarification and irrigation chambers.

The chlorinator unit is designed and calibrated to suit above normal usage and to provide sufficient chlorine stocks under maximum usage.

Safety factors are included to cover all foreseeable circumstances between maintenance calls with a 100% safety margin. Pipework and fittings used in the construction of the chlorinator are in accordance with local government requirements ie., wavin pipe.

Irrigation System

The submersible irrigation pump used has a capacity of 40-130 litres per minute and comes complete with its own float switch.

A specification sheet for the pump unit is enclosed.

Polyethylene pipework is used for the irrigation lines which are fitted with approximately 25-30 brass spray heads.

Electrics

All electrical work is carried out in accordance with I.E.E. regulations.

Media

The active surface of growth media per capita contained in the aerobic chamber is 4.05 m².

Specification sheets on the growth media are enclosed.

SECTION FIVE

Attachments

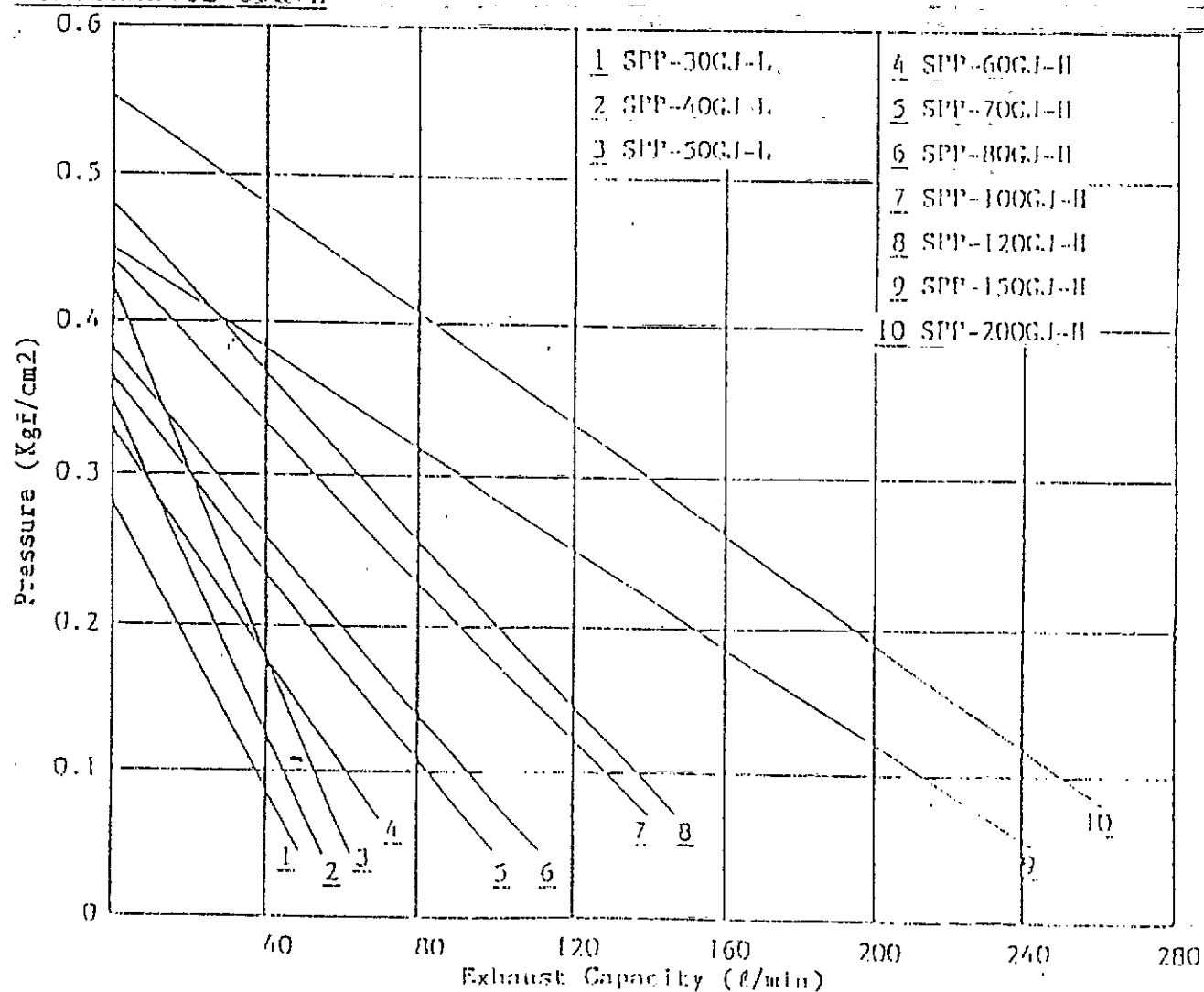
- Item 1 ... Blower specification booklet
- Item 2 ... Submersible pump specification sheet
- Item 3 ... Details of fill media
- Item 4 ... Sketches (a) External dimensions
 (b) Dimensions of fibreglass components
 (c) Plan of unit showing chamber capacities

SPECIFICATIONS

MODELS	RATED VOLTAGE V	FREQUENCY Hz	POWER W	NORMAL PRESSURE kgf/cm ²	EXHAUST CAPACITY ℓ/min	NOISE LEVEL dBA	WEIGHT kg
SPP-30GJ-I	100~115 200~240	50/60	37	0.13	30	31	5.1
SPP-40GJ-I			42	0.13	41	32	5.2
SPP-50GJ-I			48	0.13	48	35	6.1
SPP-60GJ-II			55	0.13	60	35	7.9
SPP-70GJ-II			65	0.15	70	35	7.3
SPP-80GJ-II			69	0.15	75	37	7.9
SPP-100GJ-II			110	0.18	95	39	8.2
SPP-120GJ-II			130	0.18	105	40	8.2
SPP-150GJ-II			160	0.20	150	45	10.0
SPP-200GJ-II			220	0.20	200	49	10.0

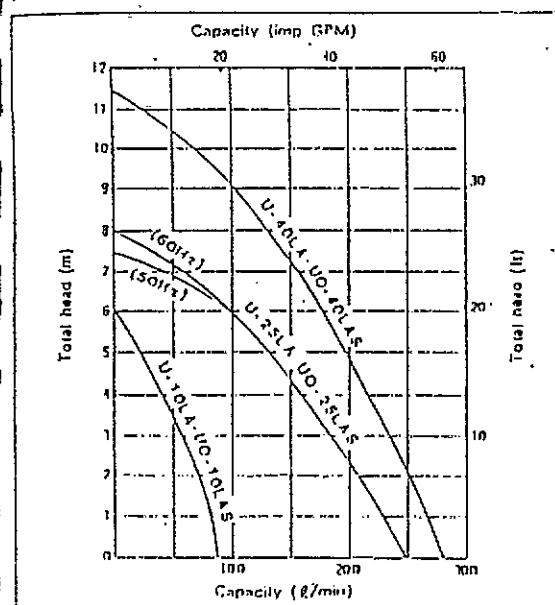
* Noise Level ... at one metre distance from the pump.

PERFORMANCE CURVE



DRAINAGE PUMP LA SERIES

PERFORMANCE CURVES



MOTOR PROTECTOR

Auto-Cut, recycling thermal protector is built-in to secure the protection of the motor against temperature rise due to clogging of the impeller, overload, dry-running, voltage drop, etc.

MOTOR

The motor is well designed to demonstrate high motor efficiency and torque. The stator conforms to class E insulation rating. Maximum temperature 120 degree C, highly heat resistant.

SHAFT SEAL

The Mechanical Seals cooled and lubricated in the oil bath system ensure reliable sealing effect and steady service at heavy-duty work-sites for a long period of time.

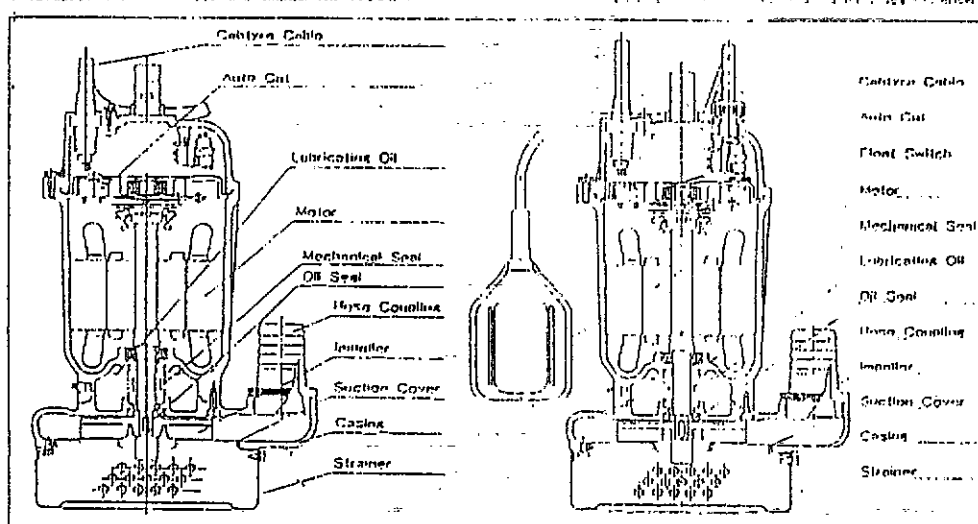
IMPELLER & CASING

The impeller is precisely balanced and abrasion-resistant with a large channel to ensure freedom of clogging. Together with the hydro-mechanically well designed volute casing, the impeller will function to their maximum extent of pumping efficiency.

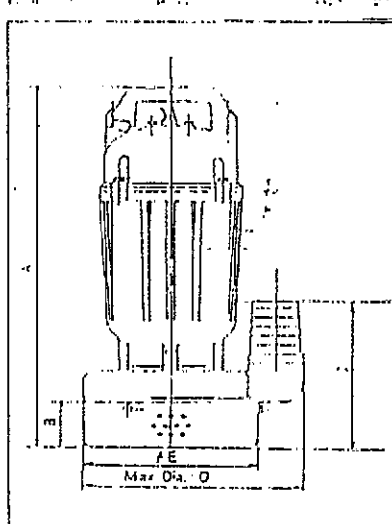
FLOAT SWITCH

As for UO-10LAS, UO-25LAS, UO-40LAS, a single snap action type float switch is equipped with the pump to ensure dependable automatic operation.

CUT-AWAY SECTION



DIMENSIONS



STANDARD SPECIFICATIONS

MODELS	DISCHARGE DIA.		MOTOR OUTPUT		HEAD	CAPACITY	CABLE LENGTH	WEIGHT (WITHOUT CABLE)	DIMENSIONS				
	mm	in	kW	HP		l/min	m	kg	A	B	C	D	E
U-10LA	25	1	0.10	2/15	4	40	4	6	318	40	132	182	121
UO-10LAS	25	1	0.10	2/15	4	40	4	6.5	318	40	132	182	121
U-25LA	40	1 1/2	0.25	1/3	5	130	6	16	390	50	157	235	182
UO-25LAS	40	1 1/2	0.25	1/3	5	130	6	16.5	390	50	157	235	182
U-40LA	50	2	0.40	1/2	8	130	6	16	390	50	160	235	182
UO-40LAS	50	2	0.40	1/2	8	130	6	16.5	390	50	160	235	182

- Weight excludes cable weight.
- Available to arrange automatic alternate running for twin pumps or other applications upon requests.
- Specifications are subject to change without notice.

SAKURAGAWA PUMP

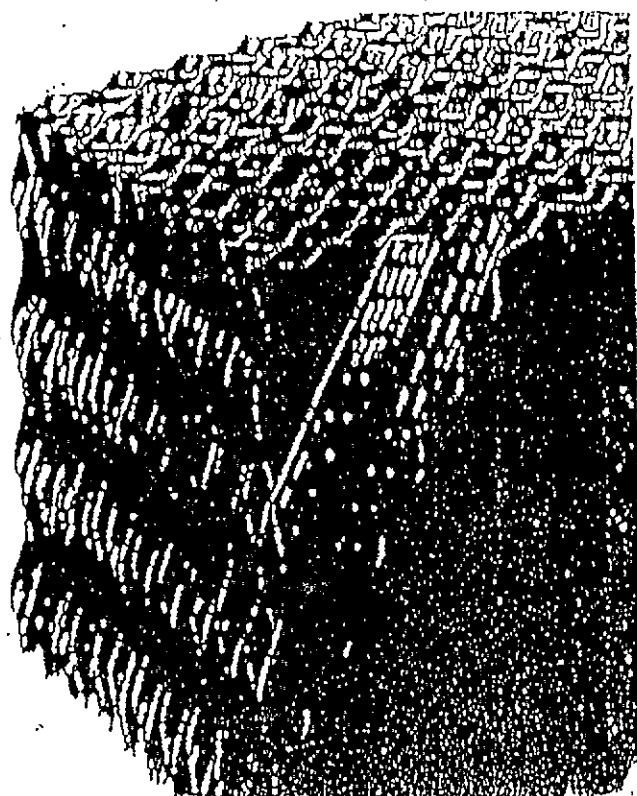
MFG.CO.,LTD.

HEAD OFFICE: 6-24, 1-CHOME NISHI-AI, IBARAKI, OSAKA, JAPAN
TEL: 0726-43-0278
FAX: 0726-41-2993
TEL: 633-2222 SAKURA J

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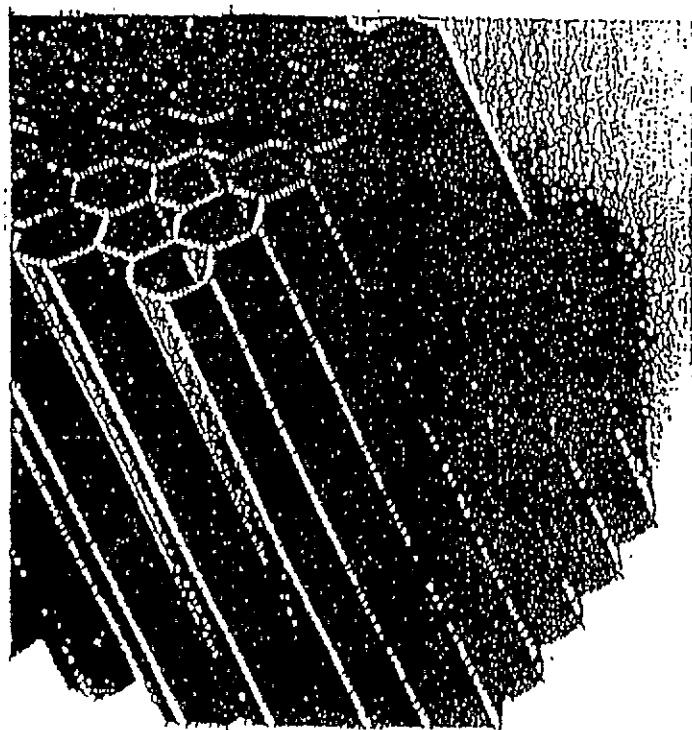
Outstanding Features Inherent in the Cross Filled Design of Munters Euroform Fill Media



Fill Media Type FB10

The cross filled structure of our fill media contributes to the stability of the process and produces its high performance characteristics while also influencing the following:

- Uniform primary distribution of water flow over the whole surface area giving maximum decomposition of compounds.
- Good redistribution of water flow leading to long retention times.
- Maximum contact of air, waste water and biomass due to the additional mixing caused at the crossover points in the fill structure.
- Optimum aeration accorded by the regular structure of the contact surfaces.
- High resistance to plugging thanks to the continuous redistribution of water flow.
- Resistance to erosion and mechanical damage due to our unique double folded edges.
- Flexibility of operation and design by employing fill media with correctly calculated specific surface areas for individual projects of between 302 and 245 m²/m³.



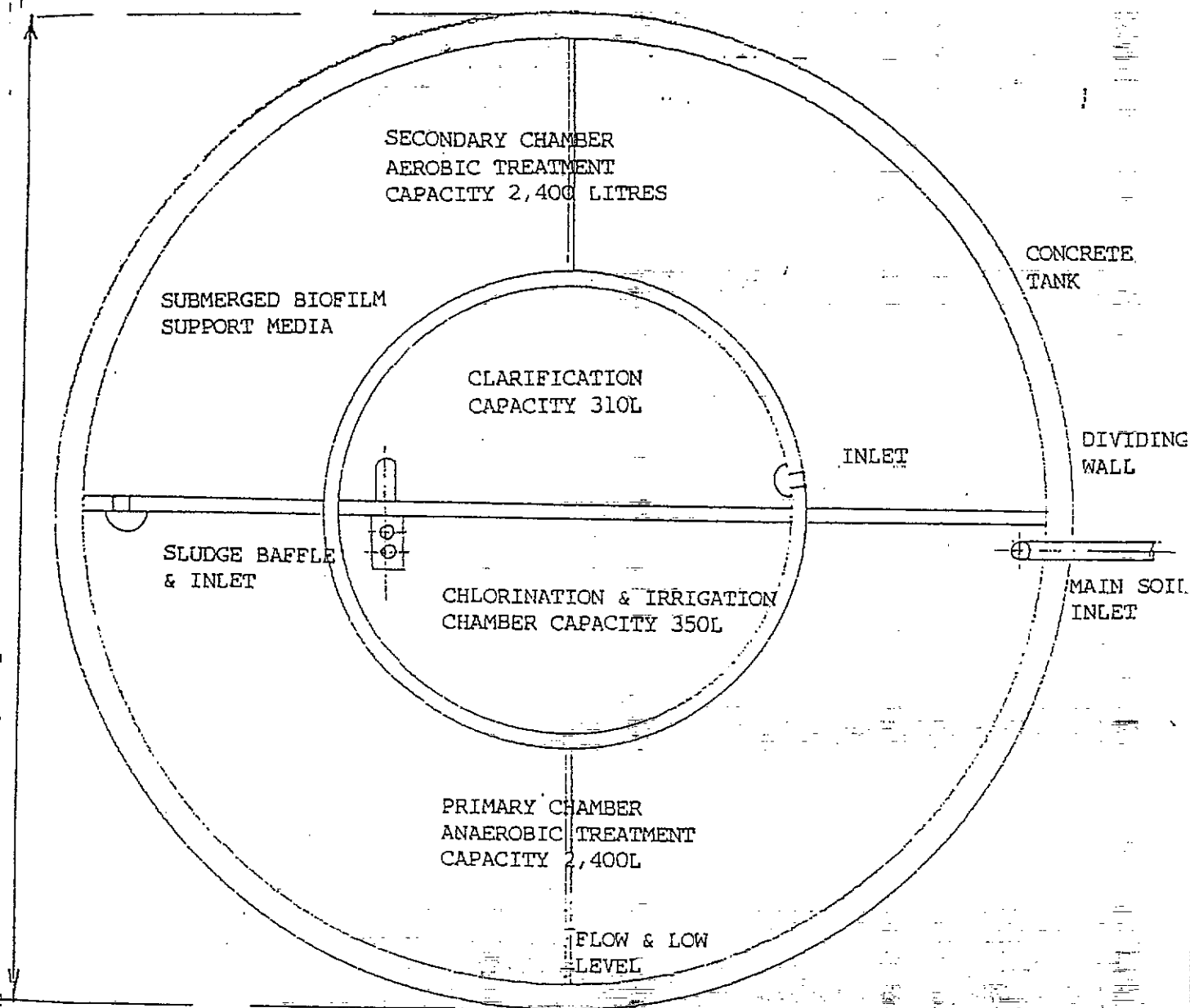
Tube Settler Type FS40.50

The effective settling area in sedimentation tanks has a direct result upon the performance of the system.

- By installing our FS40.50 tube settler, the effective settling area is considerably increased.
- The effective settling area may be adapted to the specific project requirements, without interruption of the profile configuration, by utilising the variable block heights.
- The profile design ensures a uniform flow and encourages solids to slide down the profile surface.
- The length, width, depth and angle of the profiles can all be altered to meet an individual project's requirements.

Munters Euroform Fill Media, efficient – reliable in Operation

and maintenance



PLAN NOT
TO SCALE

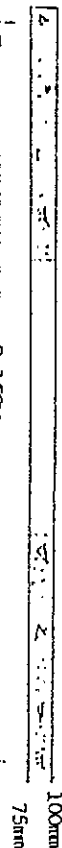
bio CYCLE

BIOCYCLE WASTEWATER TREATMENT
SYSTEM - CAPACITY 5,200 LITRES
ORG NO. B 102

FIREGLASS
MANHOLE COVER

1000

REINFORCED CONCRETE
TANK LID



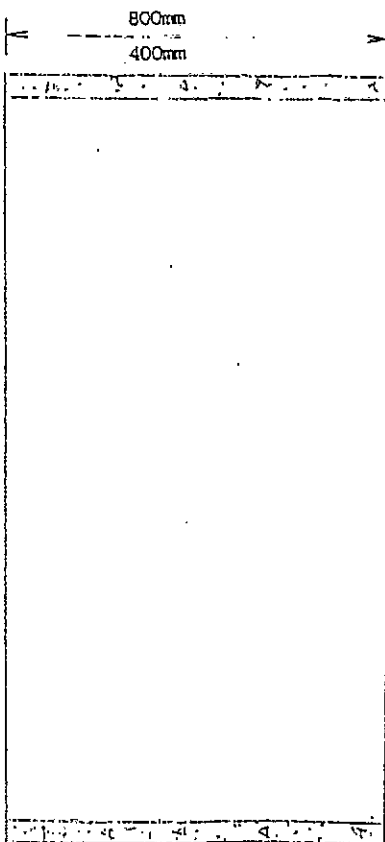
2.16M

200mm

1930 metres

REINFORCED CONCRETE
TANK TO A.S. 1546

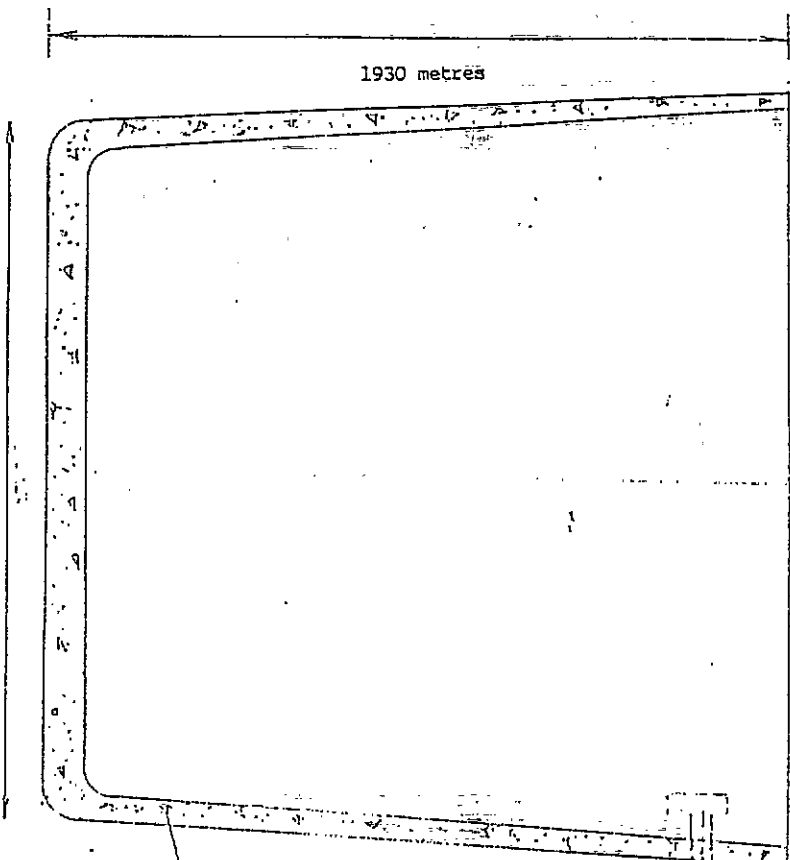
SECTION THROUGH RISER



REINFORCED CONCRETE

2.28M

SECTION THROUGH TANK



WASTE WATER
TREATMENT SYSTEMS

Typical Arrangement for Single Link Unit

DRG. NO. B 100

4

Fibreglass manhole
cover

2280 mm

Concrete Manic Cover

950 ϕ

Conc. Tank Riser

Conc Tank 5200 L

Inlet

SECTION

100 mm

1800 mm

1930 mm

Proposed Treatment Unit does not comply with IIRS (SR 6.1975)

The forward of the referenced document (SR 6.1975), specifically states that these recommendations were published with the object of achieving satisfactory practice in the design, construction and maintenance of septic tank drainage for a single dwelling house only. In the absence of more detailed standards for larger developments, the proposal considered these recommendations in conjunction with existing criteria in the United Kingdom and in the United States. To this end, a most advanced system of biologically treating domestic waste water by primary sedimentation, extended aeration, secondary sedimentation and chlorination has been proposed. Similar methods of treatment have been recommended for use by British Standard 6297, (1983) and by U.S.E.P.A. (1980).

The process of septic tank provides only partial treatment of the carbon content of domestic sewage and no conversion of the nitrogenous matter to less polluting forms. In terms of effluent quality, the Biochemical Oxygen Demand (BOD) and suspended solids content is at best only fair, and at worst little better than raw sewage in many cases. Probably reflecting the lower emphasis on environmental concern at that time. S.R.6 (1975) urged planning authorities to exercise discretion by balancing the hazard to health and amenity against the housing needs which existed then.

The recent final draft of the revised S.R.6 (1987/9) contains a number of major departures from the 1975 edition. The more important of these departures include;

- more severe site test requirements.
- introduction of a site assessment;
- maximum densities for septic tanks; and
- other systems of treating domestic waste water.

In these recommendations, reference is made to satisfactory systems which could not be specifically mentioned in such a publication. These systems, like the Biocycle are based on the biological filtration or activated sludge. This reference was included in the final draft after Biocycle lodged an application for endorsement with the Agreement Board of National Standards Association of Ireland. The Biocycle has recently been voted Best Exterior Product at the Expo Fair in Dublin September 1991. It also gained the Most Innovative Irish Made Product at the Expo Fair in September 1990.

The Biocycle is an unique system of advanced waste water treatment in that it offers a combination of extended aeration and activated sludge in one small completely enclosed unit. This method of treatment has been consistently proven both by tests in Ireland and around the world that the introduction of forced air into sewage will produce far superior effluent than would arise from the septic conditions of a simple settlement unit, such as the septic tank.

ADVANTAGES OF AEROBIC TREATMENT OF WASTE WATER

In the comparison between the anaerobic action of a septic tank and the aerobic package plant system, it is important that the major biological differences be acknowledged at the outset (see enclosed figure). In the Biocycle process, aerobic bacteria transform large complicated pollutant molecules into gases, cell material, and metabolic end products. If no free oxygen is available, anaerobic bacteria have the ability to break oxygen from large pollutant molecules and use it for the formation of protoplasm. However, almost 80% of 92% of the developed energy is used for the continuation of the breakdown so that the freed energy is now only 8% to 20%. In both cases of decomposition the end products are bacterial protoplasm and energy. The main difference is that septic tank end products still have a demand for oxygen, which nature still has to satisfy somehow for example by oxidation in rivers and lakes. Other major differences are outlined below.

- (1) Aerobic processes are biochemically efficient and rapid producing by-products which are chemically simple and highly oxidised such as carbon dioxide and water. Anaerobic processes, it is maintained are biochemically inefficient and slow, giving rise to complex by-products which are frequently foul smelling. Anaerobic units such as a septic tank, cannot possibly provide significant BOD reduction, since the stable end products, if stability could be achieved within the time available have themselves a demand for oxygen.
- (2) Aerobic microbial actions are faster and 10-20 times more effective than anaerobes in the break down of carbonaceous compounds.
- (3) Aerobically treated waste water will not freeze or at least freeze at much lower temperatures than anaerobic waste water or clean water.
- (4) Nutrient breakdown in aerobiosis is 50 times quicker than anaerobic processes.
- (5) Aerobically treated waste water will also evapotranspire better because of the freed energy.

The total length of a subsurface percolation area for domestic waste water is normally determined by the results of soil percolation tests and the quantity of settled sewage to be disposed of. Credit is almost never given for evaporation from the ground surface and transpiration through vegetation, although this can be very significant. The method of disposal from the Biocycle is by means of irrigation of the effluent from sprayheads which are connected to a submerged distribution pipe. The chlorinated effluent is discharged onto and not above the ground and is designed to percolate downwards and to evaporate depending on climatic conditions. This concept is a tried and trusted policy of maximising the benefits of nature to the full

by using the heat of the sun, the transpiration capabilities of vegetation and the loosely compacted topsoil for treating waste water - all methods which cannot be used by the conventional deep trenched septic tank/percolation area. The irrigation flow is controlled by timer and can be set by the owner to discharge when and where they prefer. The flexibility of the system means that the area for percolation can be simply and quickly altered without any recourse to site excavations. It is universally accepted that the use of aerobic pretreatment (ie; Biocycle) will prolong the life of a percolation area and that up to ten times the volume of aerated effluent can be applied to the same amount of soil as can septic tank effluent. Pop-up sprinkler heads are used so that an even discharge of the effluent can be achieved and there is no visible evidence of the disposal system.



Bloc 2, Ionad Bheatha na hEireann,
Block 2, Irish Life Centre,
Sraid na Mainistreach Iacht,
Lower Abbey Street,
Baile Atha Cliath 1.
Dublin 1.
Telephone. (01)724755
Fax. (01)724896

Miss Fidelma Mulhere,
Athgoe North,
Newcastle,
Co. Dublin.

Our Ref. 91A/1867
Your Ref.
Date 8 May 1992

Re: Erection of bungalow and garage at Athgoe North, Newcastle
for Fidelma Mulhere.

I, the undersigned, hereby acknowledge receipt of Notification
of Decision, dated 8 May 1992, in connection with the above.

Signed:

Mary Mulhere

On behalf of:

(Name)

Fidelma Mulhere

(Address)

Athgoe Newcastle

I hereby certify that the above Notification, dated 8 May 1992,
was handed by me to the above signed today.

SIGNED:

Paul John

DATED:

8/5/92



Bloc 2, Ionad Bheatha na hEireann,
Bloc 2, Irish Life Centre,
Sraid na Mainistreach Iacht,
Lower Abbey Street,
Baile Atha Cliath 1.
Dublin 1.
Telephone (01) 724755
Fax (01) 724896

NOTIFICATION OF DECISION TO GRANT PERMISSION
LOCAL GOVERNMENT (PLANNING AND DEVELOPMENT) ACTS 1963-1991.

Decision Order Number : P/ 2057 /92 Date of Decision : 7th May 1992

Register Reference : 91A/1867 Date Received : 10th February 1992

Applicant : Fidelma Mulhere

Development : Erection of a bungalow and garage

Location : Athgoe North, Newcastle

Floor Area : Sq.Metres

Time Extension(s) up to and including :

Additional Information Requested/Received :230192//100292

In pursuance of its functions under the above mentioned Acts, the Dublin County Council, being the Planning Authority for the County Health District of Dublin, did by order dated as above make a decision to GRANT PERMISSION in respect of the above proposal.

Subject to the Conditions on the attached Numbered Pages.

NUMBER OF CONDITIONS:- ...⁷... ATTACHED.

Signed on behalf of the Dublin County Council.....
for Principal Officer

Date:.....8/5/92.....

Miss Fidelma Mulhere,
Athgoe North,
Newcastle,
Co. Dublin

NOTES

1. An appeal against the decision may be made to an Bord Pleanala. The applicant may appeal within one month from the date of receipt by him of this notification. ANY OTHER PERSON may appeal within twenty one days beginning on the date of this decision.

2. An appeal shall be in writing and shall state the subject matter and grounds of appeal. It should be addressed to:—

An Bord Pleanala,
Blocks 6 and 7,
Irish Life Centre,
Lower Abbey Street,
Dublin 1.

3. An appeal lodged by an applicant or his agent with An Bord Pleanala will be invalid unless accompanied by the prescribed fee.

(a) An appeal against a decision relating to commercial development by the person by whom the application was made must be accompanied by a fee of £100 (one hundred Pounds).

"Commercial Development" means development for the purposes of any professional, commercial or industrial undertaking, development in connection with the provision for reward of services to persons or undertakings, or development consisting of the provision of two or more dwellings, but does not include development for the purposes of agriculture.

(b) An appeal other than an appeal mentioned at (a) above, including third party appeal must be accompanied by a fee of £50 (fifty pounds).

(c) A party to an appeal making a request to An Bord Pleanana for an Oral Hearing of an appeal must, in addition to the prescribed fee, pay to An Bord Pleanana a fee of £50 (fifty pounds).

(d) A person who is not a party to an appeal must pay a fee of £15 (fifteen pounds) to An Bord Pleanala when making submissions or observations to An Bord Pleanala in relation to an appeal.

4. If the Council makes a decision to grant permission / approval and there is no appeal to An Bord Pleanala against this decision, PERMISSION / APPROVAL will be granted by the Council as soon as may be after the expiration of the period for the taking of such an appeal. If every appeal made in accordance with the Acts has been withdrawn, the Council will grant the PERMISSION / APPROVAL after the withdrawal.

5. Approval of the Council under the Building Bye-Laws must be obtained for new work and the terms of the approval must be complied with in the carrying out of the work before any development which may be permitted is commenced. Approval under the Building Bye-Laws is not applicable to garden walls and entrances etc. Approval under the Building Bye-Laws cannot be obtained in cases involving retention of works previously carried out.

Reg.Ref. 91A/1867
Decision Order No. P/ 2057 /91
Page No: 0002



Bloc 2, Ionad Bheatha na hEireann,
Bloc 2, Irish Life Centre,
Sraid na Mainistreach Iacht,
Lower Abbey Street,
Baile Atha Cliath 1.
Dublin 1.
Telephone (01) 724755
Fax (01) 724896

CONDITIONS / REASONS

- 01 The development to be carried out in its entirety in accordance with the plans, particulars and specifications lodged with the application save as may be required by the other conditions attached hereto.

REASON: To ensure that the development shall be in accordance with the permission and that effective control be maintained.

- 02 That a financial contribution in the sum of £375.00 be paid by the proposer to the Dublin County Council towards the cost of provision of public services in the area of the proposed development and which facilitate this development; this contribution to be paid before the commencement of development on the site.

REASON: The provision of such services in the area by the Council will facilitate the proposed development. It is considered reasonable that the developer should contribute towards the cost of providing the services.

- 03 Ditch to be piped on site frontage with pipes of adequate size and strength to the satisfaction of the Area Engineer.

- 03 REASON: In the interest of the proper planning and development of the area.

- 04 Boundary of site in the vicinity of the entrance to be set back to provide a 10m x 3m hard standing for vehicular parking. Details to be agreed with Area Engineer.

- 04 REASON: In the interest of the proper planning and development of the area.

- 05 Entrance gates to be recessed 1.5 metres and provided with wing walls splayed at 45 degrees.

- 05 REASON: In the interest of the proper planning and development of the area.

- 06 The requirements of the Principal Environmental Health Officer be ascertained and adhered to in the development. In this regard, in the event that a conventional septic tank system should prove to be unsatisfactory to the Principal Environmental Health Officer, then an alternative system shall be provided.

REASON: In the interest of health.

- 07 That the house, when completed, be first occupied by the applicant and/or members of her immediate family.

REASON: In the interest of the proper planning and development of the area.

NOTES

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EOH

TO:-

Date: 8/4/92

Page 1 of (2)

Attn/Name: Miss Rose Kenny

Company: Dublin Co. Council, Planning Dept.,

Telefax No:

Your Ref. No. 91A / 1867

FROM:-

Name: Miss Fidelma Mulhere

Athgoe North, Newcastle, Co. Dublin.

TELEFAX

RECEIVED

28 APR 1992

Reg. Sec.

Erection of Bungalow & Garage at Athgoe North, Newcastle for

FIDELMA MULHERE.

As suitable septic tank drainage is not possible due to prevailing site conditions, as can be confirmed by the Supervising Environmental Health Officer.

It is our intentions:-

To overcome the above difficulties, we have employed the services of Bord Na Mona who have recommended their "Puraflo" system. Same to be installed in same position as original soak way.

Bord Na Mona and applicant are prepared to meet your inspector on site at a mutual time to suit all parties. We shall contact Eolas Inspector to arrange meeting early next week.

We trust our foregoing is to your immediate approval.

Regards,

91A/1867

J.O.O.)

and A.1

Fidelma Mulhere.

Fidelma Mulhere

RECEIVED

15 APR 92

DUBLIN COUNTY COUNCIL
PLANNING

PE rising main between Sump and biofilter Modules, 50mm uPVC duct for electrical cable and 110mm uPVC for the discharge of final effluent (optional).

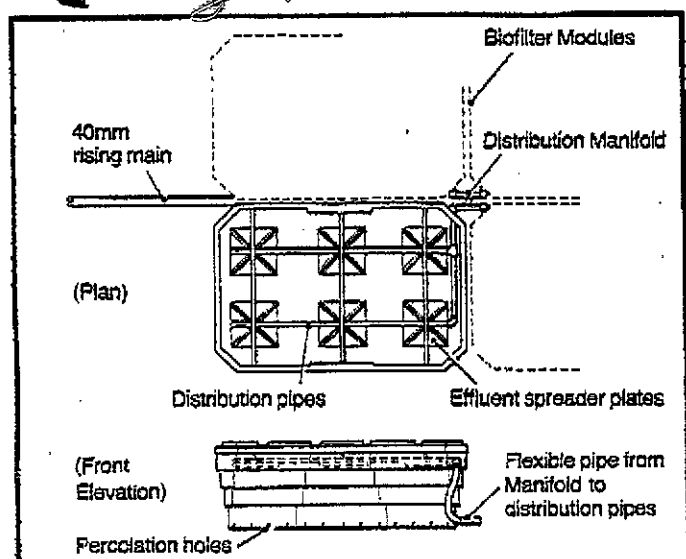
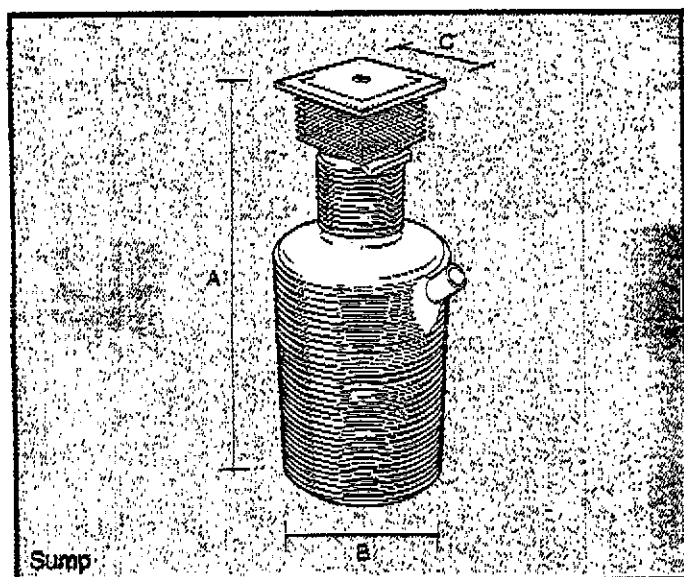


Figure 2 Manifold Distribution System

Table 1 Dimensions (mm)

Description	A	B	C	D	E
Sump	1850	720	480	-	-
Biofilter Module	760	1185	1400	2150	1935



TECHNICAL SERVICE

For further information on any aspect of single dwelling or package installation, contact the Company at the address below.

PURAFLO

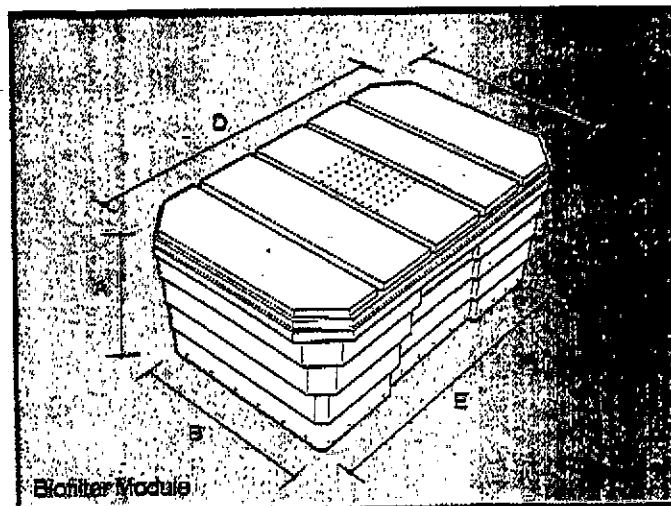
Pollution Control for a *Better* Environment

Developed by

BORDNAMONA

THE HIGH PLAIN BOARD

Puraflo Limited, Bord na Mona,
Newbridge, Co. Kildare.
Tel: 045/31201. Fax: 045/33240.



INSTALLATION

Installations are carried out by Puraflo either above or below ground depending on the aesthetic requirements and site conditions.

Figures 3(a) and 3(b) show installations below ground where treated effluent is discharged either into a ditch or river or directly to the subsoil. In both cases, the biofilter Modules are placed on a 200mm thick granular bed. It should be noted that where an outlet pipe is used, the excavation is lined with a heavy gauge polythene membrane.

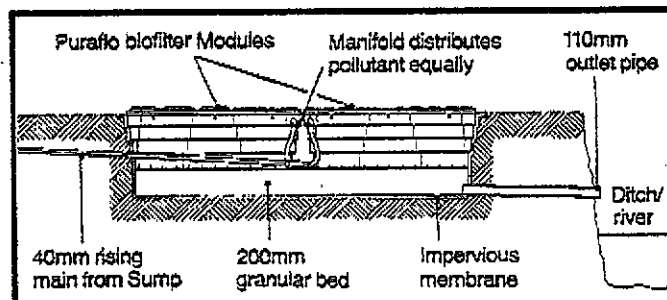


Figure 3(a) Puraflo system discharging treated effluent into open ditch, stream or river

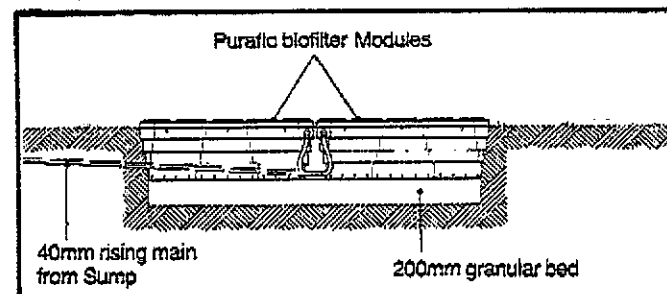


Figure 3(b) Puraflo system discharging directly into subsoil where suitable

Note: Final position of Puraflo modules can be located above or below ground depending on site conditions.



Bloc 2, Ionad Bheatha na hEireann,
Bloc 2, Irish Life Centre,
Sraid na Mainistreach Iacht,
Lower Abbey Street,
Baile Atha Cliath 1.
Dublin 1.
Telephone (01) 724755
Fax (01) 724896

Register Reference : 91A/1867

Date Received : 10th February 1992

Applicant : Fidelma Mulhere

Development : Erection of a bungalow and garage

Location : Athgoe North, Newcastle

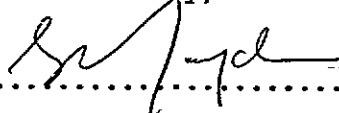
Applicant : Fidelma Mulhere

App. Type : Additional Information

Date Recd : 10th February 1992

With reference to your planning application received here on 10.02.92 in connection with the above, I wish to inform you that:-
In accordance with Section 26(4A) of the Local Government (Planning and Development) Act 1963, as amended by Section 39(F) of the Local Government (Planning and Development) Act, 1976 the period for considering this application within the meaning of subsection (4A) of Section 26 has been extended up to and including the 08.05.92.

Yours faithfully,


.....

PRINCIPAL OFFICER

Date : 9/4/92

Miss Fidelma Mulhere,
Athgoe North,
Newcastle,
Co. Dublin

TO:-

Date: 8-4-1992

Attn/Name: MISS ROSE KENNY

Page 1 of (1)

Company: DUBLIN C.C. PLANNING DEPT.

Telefax No: _____

Your Ref. No. APPLICATION NO 91A / 867

FROM:-

Name: MISS F. MULHERE

Our Ref No: _____

TELEFAX

FURTHER TO OUR FAX OF TO-DAY
8-4-1992.

WE WISH TO APPLY FOR EXTENSION
UP AND UNTIL AND ENCLUDING 8-5-92

REGARDS.

TO:-

Date: 8/4/92

Attn/Name: Miss Rose Kenny

Page 1 of (2)

Company: Dublin Co. Council, Planning Dept.,

Telefax No:

Your Ref. No. 91A / 1867

FROM:-

Name: Miss Fidelma Mulhere

Athgoe North, Newcastle, Co. Dublin.

TELEFAX

Erection of Bungalow & Garage at Athgoe North, Newcastle for
FIDELMA MULHERE.

As suitable septic tank drainage is not possible due to prevailing site conditions, as can be confirmed by the Supervising Environmental Health Officer.

It is our intentions:-

To overcome the above difficulties, we have employed the services of Bord Na Mona who have recommended their "Puraflo" system. Same to be installed in same position as original soak way.

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Fidelma Mulhere

PE rising main between Sump and biofilter Modules, 50mm uPVC duct for electrical cable and 110mm uPVC for the discharge of final effluent (optional).

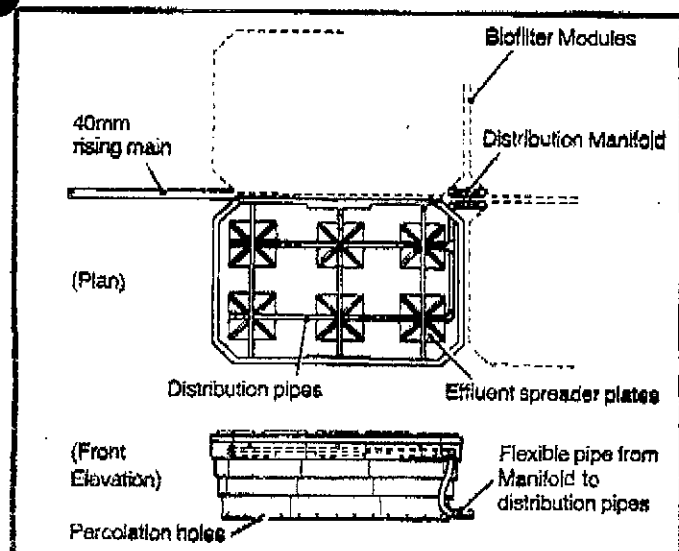
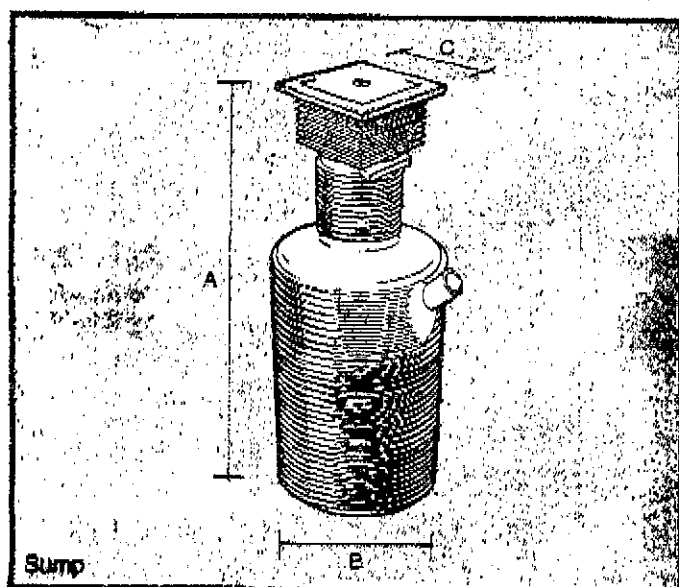


Figure 2 Manifold Distribution System

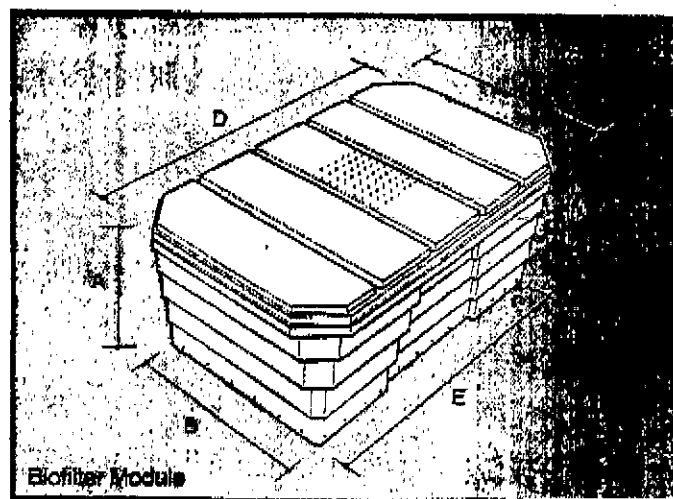
Table 1 Dimensions (mm)

Description	A	B	C	D	E
Sump	1850	720	480	-	-
Biofilter Module	760	1185	1400	2150	1935



TECHNICAL SERVICE

For further information on any aspect of single dwelling or package installation, contact the Company at the address below.



INSTALLATION

Installations are carried out by Puraflo either above or below ground depending on the aesthetic requirements and site conditions.

Figures 3(a) and 3(b) show installations below ground where treated effluent is discharged either into a ditch or river or directly to the subsoil. In both cases, the biofilter Modules are placed on a 200mm thick granular bed. It should be noted that where an outlet pipe is used, the excavation is lined with a heavy gauge polythene membrane.

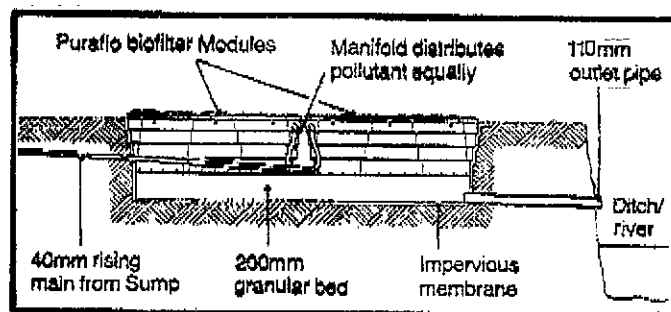


Figure 3(a) Puraflo system discharging treated effluent into open ditch, stream or river

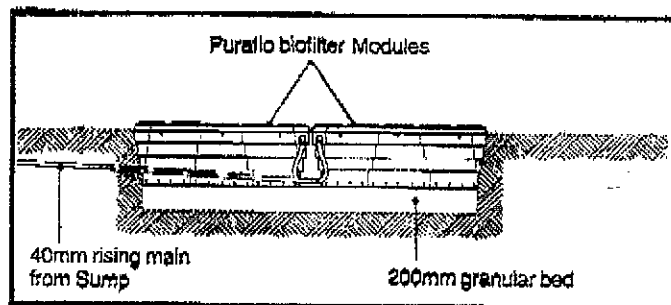


Figure 3(b) Puraflo system discharging directly into subsoil where suitable

Note: Final position of Puraflo modules can be located above or below ground depending on site conditions.

PURAFLO

Pollution Control for a *Better* Environment

Developed by

BORD NA MONA

THE WATER PLANT SPECIALISTS

Puraflo Limited, Bord na Mona,
Newbridge, Co. Kildare.

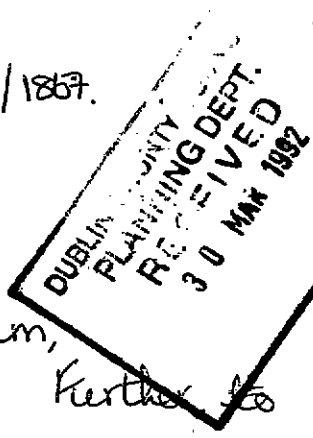
Tel: 045/31201. Fax: 045/33240.

Reg. Ref. no 91A/1857.

91A/1857

1.40

and A-1



Qethoge north,
Newcastle,
Co Dublin.
26-3-1992.

Dear Sir/Madam,

Further to your telephone

conversation of today 26-3-1992, I wish to confirm.

(i) Herewith site location plan from Dublin Sheet 20-12/11 surrounding area of Mulhere farm, shown with boundary in red.

(ii) We do not intend to build any additional houses on the Mulhere farm as shown.

(iii) Again as in our letter of 9-2-'92, application is made by daughter, who presently resides in family farm/home and has done so for

in excess of twenty one years.
Applicant is engaged to Mr William
Byrne and intends to marry
next year and wishes to continue
residence on family farm, given
planning approval.

Yours faithfully,
Evelma Mulhane

15 years -
65,000

PROPOSED
SITE

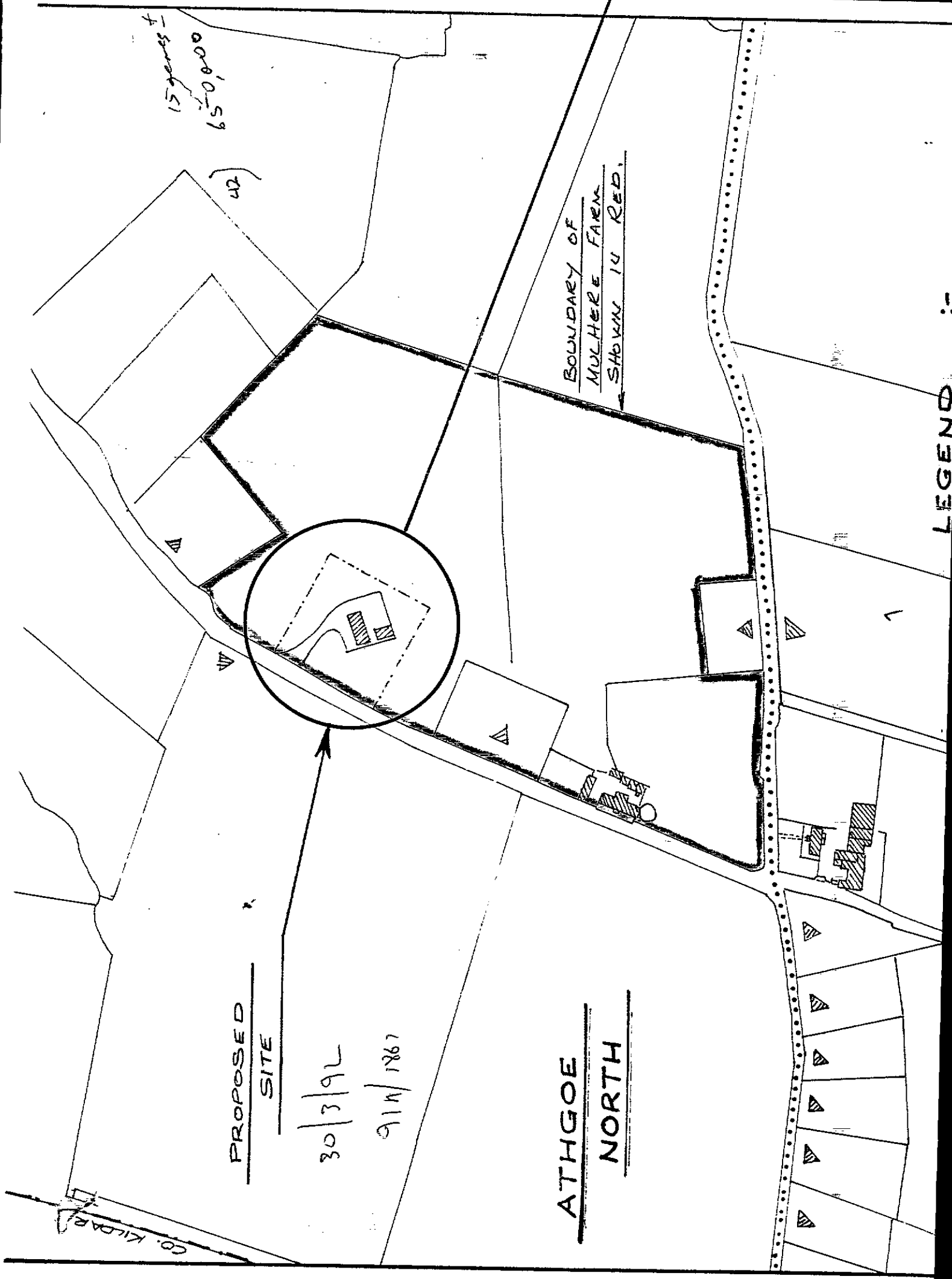
30/3/92

9/11/1867

ATHGOE
NORTH

BOUNDARY OF
MULHRE FARM
SHOWN IN RED.

LEGEND :-



HOUSE NOT SHOWN ON
ORDNANCE SURVEY SHEET.



ATHGOE CASTLE

ATHGOE

ATHGOE
SOUTH

TRACED FROM ORDNANCE SURVEY
SHEET DUBLIN 20 - 12 & 11

SCALE 1/2500

Building Control Department,
Liffey House,
Tara Street,
Dublin 1.
Telephone: 773066



Bloc 2, Ionad Bheatha na hEireann,
Bloc 2, Irish Life Centre,
Sraid na Mainistreach Iacht,
Lower Abbey Street,
Baile Atha Cliath 1.
Dublin 1.
Telephone (01) 724755
Fax (01) 724896

Register Reference : 91A/1867

Date : 11th February 1992

LOCAL GOVERNMENT (PLANNING AND DEVELOPMENT) ACTS, 1963 TO 1990

Dear Sir/Madam,

DEVELOPMENT : Erection of a bungalow and garage

LOCATION : Athgoe North, Newcastle

APPLICANT : Fidelma Mulhere

APP. TYPE : Additional Information

With reference to the above, I acknowledge receipt of additional information received on 10th February 1992.

Yours faithfully,

.....

for PRINCIPAL OFFICER

Miss Fidelma Mulhere,
Athgoe North,
Newcastle,
Co. Dublin

91A/1367

1.0.0

A.I.

RECEIVED

10 FEB 1992

PLANNING DEPT.

Uthya (NTH)

Newcastle

Co Dublin

10th-2-1992.

REF: 91A/1367

10 FEB 92

Dear Sir / Madam,

In reply to yours of

23rd January 1992. :

- (i) Planning permission is sought on family farm where applicant was born and has lived in excess of twenty one years. It is applicants intention to marry within the next twelve months and to reside on family farm. In the circumstances, I understand that the application is compatible with the zoning.
- (ii) Trial hole has been prepared and application has been made to the Supervising Environmental officer.

Yours faithfully
Fidelma Mulhere.
FIDELMA MULHERE.

Miss Fidelma Mulhere,
Athgoe North,
Newcastle,
Co. Dublin.

Reg. Ref. No. 91A/1867

23 January 1992

Re: Erection of bungalow and garage at Athgoe North,
 Newcastle for Fidelma Mulhere.

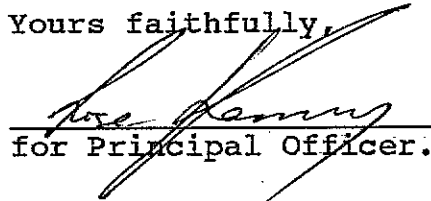
Dear Madam,

With reference to your planning application, received here on 26th November, 1991, in connection with the above, I wish to inform you, that before the application can be considered under the Local Government (Planning and Development) Acts, 1963-1990, the following additional information must be submitted in quadruplicate:-

1. The site of the proposed development is located in an area zoned 'B' - "to protect and provide for the development of agriculture" in the Dublin County Development Plan. The applicant is requested to clarify how the proposed development would be considered compatible with the above zoning objective and with Planning Authority policy in respect of the provision of dwellings in rural areas (Paragraph 2.3.9 of the 1983 Dublin County Development Plan).
2. The applicant is requested to submit details of site suitability for septic tank drainage. In this regard the applicant should open a trial hole to comply with the requirements of the IIRS booklet SR6 1975 - Recommendations for septic tank drainage systems suitable for single dwellings, available from EOLAS. The applicant should arrange to have the trial hole inspected by the Supervising Environmental Health Officer, 33 Gardiner Place, Dublin 1, Tel. 727777.

Please mark your reply "ADDITIONAL INFORMATION" and quote the Reg. Ref. No. given above.

Yours faithfully,


for Principal Officer.

Building Control Department,
Liffey House,
Tara Street,
Dublin 1.
Telephone: 773066



Bloc 2, Ionad Bheatha na hEireann,
Block 2, Irish Life Centre,
Sraid na Mainistreach lacht,
Lower Abbey Street,
Baile Atha Cliath 1.
Dublin 1.
Telephone. (01)724755
Fax. (01)724896

Register Reference : 91A/1867

Date : 27th November 1991

LOCAL GOVERNMENT (PLANNING AND DEVELOPMENT) ACTS, 1963 TO 1990

Dear Sir/Madam,

DEVELOPMENT : Erection of a bungalow and garage
LOCATION : Athgoe North, Newcastle
APPLICANT : Fidelma Mulhere
APP. TYPE : PERMISSION/BUILDING BYE-LAW APPROVAL

With reference to the above, I acknowledge receipt of your application received on 26th November 1991.

Yours faithfully,

.....
for PRINCIPAL OFFICER

Miss Fidelma Mulhere,
Athgoe North,
Newcastle,
Co. Dublin



PLEASE READ INSTRUCTIONS AT BACK BEFORE COMPLETING FORM. ALL QUESTIONS MUST BE ANSWERED.

1. Application for Permission ☒ Outline Permission ☐ Approval ☐ Place / in appropriate box.
Approval should be sought only where an outline permission was previously granted. Outline permission may not be sought for the retention of structures or continuances of uses.

2. Postal address of site or building ATHGOE NORTH, NEWCASTLE, CO DUBLIN
(If none, give description sufficient to identify)

3. Name of applicant (Principal not Agent) MISS FIDELMA MULBERE & MR Billy Byrne
Address ATHGOE NORTH, NEWCASTLE, CO DUBLIN Tel. No. 580137

4. Name and address of MR Dermot P. Byrne, Tootenhill house, Rathcoole
person or firm responsible CO DUBLIN Tel. No. 589336
for preparation of drawings

5. Name and address to which MISS FIDELMA MULBERE, Athgoe north
notifications should be sent NEWCASTLE CO DUBLIN

6. Brief description of proposed development Bungalow and garage **455 N 518/6**

7. Method of drainage Septic tank 8. Source of Water Supply Mains

9. In the case of any building or buildings to be retained on site, please state:-

(a) Present use of each floor
or use when last used. n/a

(b) Proposed use of each floor n/a

CO. DUBLIN — I. Fidelma Mulbere wish to apply to Dublin County Council for planning permission for the erection of a bungalow and garage at Athgoe North, Newcastle, Co. Dublin.

10 Does the proposal involve demolition, partial demolition or change of use of any habitable house or part thereof? n/a

11.(a) Area of Site 1 acre **132** Sq. m.

(b) Floor area of proposed development 208 sq. yds **N 51319** Sq. m.

(c) Floor area of buildings proposed to be retained within site 132 Sq. m.

12.State applicant's legal interest or estate in site (i.e. freehold, leasehold, etc.) FREEHOLD

13.Are you now applying also for an approval under the Building Bye Laws?
Yes ☒ No ☐ Place / in appropriate box.

14.Please state the extent to which the Draft Building Regulations have been taken in account in your proposal:

15.List of documents enclosed with application. plan of proposed Bungalow (x4) Site plan (x4)
plan of proposed garage (x4) Specifications (x4)
planning application published in Irish Independent.

16.Gross floor space of proposed development (See back) House 208 sq yds garage 51 sq yds Total 259 sq yds

No of dwellings proposed (if any) 1 Class(es) of Development 1 A

Fee Payable £ 87-00 Basis of Calculation Class 1 132.00 Class A 155.00

If a reduced fee is tendered details of previous relevant payment should be given

Signature of Applicant (or his Agent) Fidelma Mulbere B. Byrne Date 25-11-91

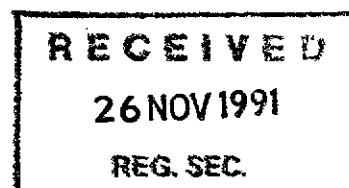
Application Type P.B.C. FOR OFFICE USE ONLY

Register Reference 91B/1867

Amount Received £

Receipt No 20-12

Date 20-12



LOCAL GOVERNMENT (PLANNING & DEVELOPMENT) REGULATIONS 1977 to 1984.

Outline of requirements for applications for permission or Approval under the Local Government (Planning & Development) Acts 1963 to 1983. The Planning Acts and Regulations made thereunder may be purchased from the Government Publications Sales Office, Sun Alliance House, Molesworth Street, Dublin 2.

1. Name and Address of applicant.
2. Particulars of the interest held in the land or structure, i.e. whether freehold, leasehold, etc.
3. The page of a newspaper, circulating in the area in which the land or structure is situate, containing the required statutory notice. The newspaper advertisement should state after the heading Co. Dublin.

- (a) The address of the structure or the location of the land.
- (b) The nature and extent of the development proposed. If retention of development is involved, the notice should be worded accordingly. Any demolition of habitable accommodation should be indicated.
- (c) The name of the applicant.

NB. Applications must be received within 2 weeks from date of publication of the notice.

4. Four (4) sets of drawings to a stated scale must be submitted. Each set to include a layout or block plan, proposed and existing services to be shown on this drawing, location map, and drawings of relevant floor plans, elevations, sections, details of type and location of septic tank (if applicable) and such other particulars as are necessary to identify the land and to describe the works or structure to which the application relates (new work to be coloured or otherwise distinguished from any retained structures). Buildings, roads, boundaries and other features bounding the structure or other land to which the application relates shall be shown on site plans or layout plans. The location map should be of scale not less than 1: 2500 and should indicate the north point. The site of the proposed development must be outlined in red. Plans and drawings should indicate the name and address of the person by whom they were prepared. Any adjoining lands in which the applicant has an interest must be outlined in blue.
5. In the case of a proposed change of use of any structure or land, requirements in addition to 1, 2, & 3 are:
 - (a) a statement of the existing use and the proposed use, or, where appropriate, the former use and the use proposed.
 - (b) (i) Four (4) sets of the drawings to a stated scale must be submitted. Each set to consist of a plan or location map (marked or coloured in red so as to identify the structure or land to which the application relates) to a scale of not less than 1:2500 and to indicate the North point. Any adjoining lands in which the application has an interest must be outlined in blue.
(ii) A layout and a survey plan of each floor of any structure to which the application relates.
 - (c) Plans and drawings should indicate the name and address of the person by whom they were prepared.
6. Applications should be addressed to: Dublin County Council, Planning Department, Irish Life Centre, Lr. Abbey Street, Dublin 1, Tel. 724755.

SEPTIC TANK DRAINAGE: Where drainage by means of a septic tank is proposed, before a planning application is considered, the applicant may be required to arrange for a trial hole to be inspected and declared suitable for the satisfactory percolation of septic tank effluent. The trial hole to be dug seven feet deep at or about the site of the septic tank. Septic tanks are to be in accordance with I.I.R.S. S.R. 6:75.

INDUSTRIAL DEVELOPMENT:

The proposed use of an industrial premises should, where possible, be stated together with the estimated number of employees, (male and female). Details of trade effluents, if any, should be submitted.

Applicants to comply in full with the requirements of the Local Government (Water Pollution) Act, 1977 in particular the licencing provisions of Sections 4 and 16.

PLANNING APPLICATIONS

CLASS NO.	DESCRIPTION	FEE
1.	Provision of dwelling — House/Flat.	£32.00 each
2.	Domestic extensions/other improvements.	£16.00
3.	Provision of agricultural buildings (See Regs.)	£40.00 minimum
4.	Other buildings (i.e. offices, commercial, etc.)	£1.75 per sq. metre (Min. £40.00)
5.	Use of land (Mining, deposit or waste)	£25.00 per 0.1 ha (Min. £250.00)
6.	Use of land (Camping, parking, storage)	£25.00 per 0.1 ha (Min. £40.00)
7.	Provision of plant/machinery/tank or other structure for storage purposes.	£25.00 per 0.1 ha (Min. £100.00)
8.	Petrol Filling Station.	£100.00
9.	Advertising Structures.	£10.00 per m ² (min £40.00)
10.	Electricity transmission lines.	£25.00 per 1,000m (Min. £40.00)
11.	Any other development.	£5.00 per 0.1 ha (Min. £40.00)

BUILDING BYE-LAW APPLICATIONS

CLASS NO.	DESCRIPTION	FEE
A	Dwelling (House/Flat)	£55.00 each
B	Domestic Extension (improvement/alteration)	£30.00 each
C	Building — Office/ Commercial Purposes	£3.50 per m ² (min. £70.00)
D	Agricultural Buildings/Structures	£1.00 per m ² in excess of 300 sq. metres (min. - £70.00) (Max. - £300.00)
E	Petrol Filling Station	£200.00
F	Development or Proposals not coming within any of the foregoing classes.	£9.00 per 0.1 ha (£70.00 min.)
		Min. Fee £30.00 Max. Fee £20,000

Cheques etc. should be made payable to: Dublin County Council.

Gross Floor space is to be taken as the total floor space on each floor measured from the inside of the external walls.

For full details of Fees and Exemptions see Local Government (Planning and Development) (Fees) Regulations 1984.

CÓMHAIRLE CHONTAE ÁTHA CLIATH

RECEIPT CODE

PAID BY

DUBLIN COUNTY COUNCIL

CASH

CHEQUE

M.O.

B.L.

ETC.

46/49 UPPER O'CONNELL STREET

DUBLIN 1.

Issue of this receipt is not an
acknowledgement that the fee
tendered is the prescribed application
fee. N-51319

£ 32.00

Received this

26th

day of

November

1991

from

W. Byrne

Tootenhills

Rathcoole

the sum of

thirty two

Pounds

Pence, being

planning application at

Athgol North

Moolken Deane

Cashier

S. CAREY

Principal Officer

(Cass 1x1)

COMHAIRLE CHONTAE ATHA CLIATH

DUBLIN COUNTY COUNCIL

46/49 UPPER O'CONNELL STREET,
DUBLIN 1.

BYE LAW APPLICATION

REC. No. N 51816

£ 55.00

Received this 26th day of November 1991

W. Byrne
Footenhill,
Rathcoole

the sum of fifty five Pounds

Pence, being Ten for

bye-law application at Athgar North

Michael Deane Cashier

S. CAREY
Principal Officer

Wax

SPECIFICATION:

HOUSE:

DUBLIN COUNTY COUNCIL
Planning Dept. Registry Section
APPLICATION RECEIVED

26 NOV 1991

REG No. 91A/1867

1. FOUNDATIONS:- IN GRADE 30N20 READYMIX CONC.
2. RISING WALLS:- IN SOLID BLOCKWORK.
3. BLOCKWORK:- TO CONFORM TO IRISH STANDARD.
4. D.P.C.:- 1/4" THICK BITUMINOUS FELT.
5. FLOOR:- 30N20 READYMIX CONCRETE.
6. ROOFING:- ALL TIMBERS TO BE TREATED WITH AN APPROVED PRESERVATIVE.
7. FLASHING:- 5LB LEAD FLASH THROUGHOUT.
8. VENTILATION;- 9" X 9" LOUVRE GRILLES.
9. DOORS:- SELECTED BY CLIENT.
10. WINDOWS:- HARDWOOD OR ALUMINIUM, DECISION BY CLIENT.
11. DRAINAGE:- U.P.V.C. WITH 6" CONCRETE BED AND SURROUND.
SEPTIC TANK AND PERCOLATION IN ACORDANCE WITH S.R.G.
12. PLUMBING:- PROVIDE 2No. 80 GAL STORAGE TANKS IN ATTIC. FITTINGS SELECTED BY CLIENT.
HOT WATER CYLINDER TO BE FITTED WITH DUAL IMMERSION, COMPLETE WITH INSULATING JACKET.
13. ELECTRICAL:- POWER POINTS, LIGHTING ETC. TO BE AGREED WITH CLIENT. ALL WORK TO COMPLY WITH E.S.B. REGULATIONS.

SPECIFICATION:-

GARAGE:-

ROOF CONSTRUCTION TO BE CONSISTING OF 2 No. LAYERS MINERAL FELT ON ROOFING FELT ON 25MM CHIPBOARD. JOISTS @ 400 C/C WITH BRIDGING TO EVERY JOIST. JOISTS NOTCHED ONTO 100 X 75 TREATED TIMBER WALLPLATE.

WALLPLATE BOLTED TO CONC. PAD SURROUND.

WINDOWS TO BE S.W. TIMBER. WINDOWS (BY CARROLL JOINERY OR SIMILAR). OPENING SECTIONS AS ELEVATIONS. ON PRECAST CONCRETE CILL ON D.P.C. LINTELS OVER WINDOWS AND UP & OVER DOORS CONCRETE SPANLITE PRESTRESSED LINTEL.

WALLS TO BE OF 215 HOLLOW BLOCK BEDDIN GUAGED MORTAR 1:3 RENDERED EXTERNALLY TO MATCH HOUSE AND PAINTED INTERNALLY.

RISING WALLS OF 215 SOLID CONC. BLOCKS.

FOUNDATIONS TO BE 900 X 300 DEEP CONC STRIP FOUNDS LAID IN TRENCHS. DEPTH TO BE MIN 900 BELOW G.L. OR AS AGREED ON SITE.

FLOORS TO BE 150MM MESH REINFORCED CONC SLAB ON 1000 GUAGE VISQUEEN D.P.M. ON SAND.

BINDING (50MM) ON MIN 150MM ROLLED & COMPACTED HARDCORE.