

REF. NO.: 91A/0255 CERTIFICATE NO. 14145B  
 PROPOSAL: HOUSE + SEPTIC TANK  
 LOCATION: Tubber Lane, Lucan  
 APPLICANT: Fiona Casey

	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	£55	£55	—		
B	Domestic Ext. (Improvement/Alts.)	@ £30					
C	Building for office or other comm. purpose	@ £3.50 per M <sup>2</sup> or £70					
D	Building or other structure for purposes of agriculture	@ £1.00 per M <sup>2</sup> in excess of 300 M <sup>2</sup> 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: Rud Grade: S.D Date: 3/9/91  
 Columns 2,3,4,5,6 & 7 Endorsed: Signed: \_\_\_\_\_ Grade: \_\_\_\_\_ Date: \_\_\_\_\_

91A/0255

CERTIFICATE NO: 2447

PROPOSAL: House + Septic Tank  
LOCATION: TUBBER LANE, LUCAN  
APPLICANT: Fiona O'Leary

1	2	3	4	5	6	7	8
DWELLINGS/AREA LENGTH/STRUCT	RATE	AMT. OF FEE REQ.	AMOUNT LODGED	BALANCE DUE	BALANCE DUE	DATE/ RECEIPT NO	
Dwellings	€332	1/32	1/32	/			
	€316						
	€500 per M <sup>2</sup> in excess of 300M <sup>2</sup> Min. €40						
metres <sup>2</sup>	€21.75 per M <sup>2</sup> of 240						
x .1 hect.	€25 per .1 hect. of 250						
x .1 hect.	€25 per .1 hect. of 240						
x .1 hect	€25 per .1 hect. of 2100						
	€2100						
x metres <sup>2</sup>	€10 per M <sup>2</sup> of 240						
x 1,000m <sup>2</sup>	€25 per 1,000m <sup>2</sup> of 240						
x .1 hect.	€5 per .1 hect. of 240						

Column 1 Certified: Signed: \_\_\_\_\_ Grade: \_\_\_\_\_ Date: \_\_\_\_\_  
 Column 1 Endorsed: Signed: \_\_\_\_\_ Grade: \_\_\_\_\_ Date: \_\_\_\_\_  
 Columns 2,3,4,5,6 & 7 Certified: Signed: R. O'Leary Grade: S.O Date: 5/3/91  
 Columns 2,3,4,5,6 & 7 Endorsed: Signed: \_\_\_\_\_ Grade: \_\_\_\_\_ Date: \_\_\_\_\_

DUBLIN COUNTY COUNCIL

PLANNING DEPARTMENT

Register Reference : 91A/0255

Date Received : 22nd February 1991

Applicant : Fiona Casey

Appl.Type : PERMISSION/BUILDING BYE-

Development : House and septic tank

LOCATION : Tubber Lane, Lucan, Co. Dublin.

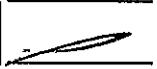
O.S.REFS.

17/9			
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AREA REFERENCE

W	T	0	5	0	8
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HISTORY

FEES CERTIFICATE NO. \_\_\_\_\_

FEE CLASS

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MEASUREMENT FOR FEES

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SIGNED .....

DATE .....

SENIOR EXECUTIVE DRAUGHTSMAN

FEE PAID

FEE ASSESSED

BALANCE DUE

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CERTIFIED \_\_\_\_\_

GRADE \_\_\_\_\_

DATE \_\_\_\_\_

# DUBLIN COUNTY COUNCIL

Tel. 724755 (ext. 262/264)

PLANNING DEPARTMENT,  
BLOCK 2,  
IRISH LIFE CENTRE,  
1R, ABBEY STREET,  
DUBLIN 1.

## Notification of Decision to Grant Permission/

Local Government (Planning and Development) Acts, 1963-1983

To **Liam Keogh,** Decision Order **P/5085/91** 01.11.91  
92 **Lucan Heights,** Number and Date **91A/0255**  
**Lucan,** Register Reference No.  
**Co. Dublin.** Planning Control No. **22.02.91**  
Application Received on  
Applicant **Fiona Casey.** T.X. up to & incl. **04.11.91**

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/ for:-  
**proposed house and septic tank at Tubber Lane, Lucan, Co. Dublin.**

### SUBJECT TO THE FOLLOWING CONDITIONS

#### CONDITIONS

1. The development to be carried out in its entirety in accordance with the plans, particulars and specifications lodged with the application, as amended by additional information submitted on 09.08.91 and additional documentation lodged 02.09.91, save as may be required by the other conditions attached hereto.
2. That before development commences, approval under the Building Bye-Laws be obtained, and all conditions of that approval be observed in the development.
3. That the water supply and drainage arrangements, including the disposal of surface water, be in accordance with the requirements of the County Council. In this regard the nearest available public mains is 350 metres away. The cost of the provision of a connection plus any independent boosting which may be necessary to be financed entirely by the applicant.

Over .....

#### REASONS FOR CONDITIONS

1. To ensure that the development shall be in accordance with the permission and that effective control be maintained.
2. In order to comply with the Sanitary Services Acts, 1878-1964.
3. In order to comply with the Sanitary Services Acts 1878-1964.

Signed on behalf of the Dublin County Council

*[Signature]*  
For Principal Officer

1 November 1991

Date

**IMPORTANT: Turn overleaf for further information**

CONDITIONS

4. That septic tank and percolation areas shall accord with the standards set out in "Recommendations for Septic Tank Drainage Systems SR6, 1975" available from Eolas. In this regard the applicant to enter into a maintenance contract with the supplier of all Puraflo waste water treatment systems.

5. The following requirements of the Roads Department shall be complied with in the development:

(a) Ditch to be piped on site frontage. All stormwater shall be disposed of to soakpits or natural watercourse within the site and shall not discharge onto the public road.

(b) The gradient of the access shall not exceed 2.5% over the last 6 metres of approach to the public road.

(c) The boundary of the site shall be set back 6 metres from the centreline of the existing road. Entrance gate to be recessed a further 1.5 metres from the new boundary line. Wing walls to be splayed at 45°. The strip between edge of carriageway and boundary to be levelled and grassed to County Council standards.

(d) Parking for 2 cars to be provided within curtilage of site with turning area.

(e) All works to be carried out prior to the house being occupied.

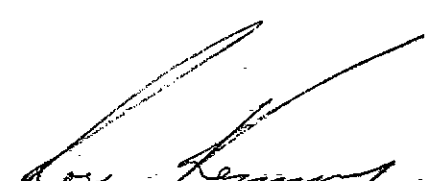
(f) All work to be carried out at the applicant's expense according to the Specification and Conditions of Dublin County Council.

Over .....

REASONS FOR CONDITIONS

4. In order to comply with the Sanitary Services Acts, 1878-1964.

5. To comply with the requirements of the Roads Department.



**NOTE:**

If 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 appeal. If every appeal made in accordance with the Acts has been withdrawn, the Council will grant the PERMISSION/APPROVAL after the withdrawal.

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 the decision.

An appeal shall be in writing and shall state the subject matter and grounds of the appeal. It should be addressed to:—  
An Bord Pleanala, Blocks 6 and 7, Irish Life Centre, Lower Abbey Street, Dublin 1.

(1) An appeal lodged by an applicant or his agent with An Bord Pleanala will be invalid unless accompanied by a fee of £36 (Thirty-six Pounds). (2) A party to an appeal making a request to An Bord Pleanala for an Oral Hearing of an appeal must, in addition to (1) above, pay to An Bord Pleanala a fee of £36 (Thirty-six Pounds). (3) A person who is not a party to an appeal must pay a fee of £10 (Ten Pounds) to An Bord Pleanala when making submissions or observations to An Bord Pleanala in relation to an appeal.

Approval of the Council under Building Bye-Laws must be obtained 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.

# DUBLIN COUNTY COUNCIL

Tel. 724755 (ext. 262/264)

PLANNING DEPARTMENT,  
BLOCK 2,  
IRISH LIFE CENTRE,  
LR. ABBEY STREET,  
DUBLIN 1.

## Notification of Decision to Grant Permission/

Local Government (Planning and Development) Acts, 1963-1983

To Liam Keogh, Decision Order P/5085/91 01.11.91  
92 Lucan Heights, Number and Date 91A/0255  
Lucan, Register Reference No.  
Co. Dublin. Planning Control No. 22.02.91  
Applicant Fiona Casey. Application Received on T.X. up to & incl. 04.11.91

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/ for:-  
proposed house and septic tank at Tubber Lane, Lucan, Co. Dublin.

### SUBJECT TO THE FOLLOWING CONDITIONS

CONDITIONS	REASONS FOR CONDITIONS
6. 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.	6. 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.
7. That a financial contribution in the sum of £800.00 be paid by the proposer to the Dublin County Council towards the cost of road improvements and traffic management 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.	7. 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.
8. That the house when completed be first occupied by the applicant and/or members of her immediate family.	8. To prevent unauthorised development.
9. Heating to be provided by the use of either oil, gas, electricity or by smokeless fuels in fireplaces or appliances suitable only for burning solid smokeless fuels.	9. In the interest of reducing air pollution.

Signed on behalf of the Dublin County Council

*[Signature]*  
For Principal Officer

1 November 1991

Date

IMPORTANT: Turn overleaf for further information

CONDITIONS

REASONS FOR CONDITIONS

**NOTE:**

If 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 appeal. If every appeal made in accordance with the Acts has been withdrawn, the Council will grant the PERMISSION/APPROVAL after the withdrawal.

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 the decision.

An appeal shall be in writing and shall state the subject matter and grounds of the appeal. It should be addressed to:—  
An Bord Pleanala, Blocks 6 and 7, Irish Life Centre, Lower Abbey Street, Dublin 1.

(1) An appeal lodged by an applicant or his agent with An Bord Pleanala will be invalid unless accompanied by a fee of £36 (Thirty-six Pounds). (2) A party to an appeal making a request to An Bord Pleanala for an Oral Hearing of an appeal must, *in addition* to (1) above, pay to An Bord Pleanala a fee of £36 (Thirty-six Pounds). (3) A person who is not a party to an appeal must pay a fee of £10 (Ten Pounds) to An Bord Pleanala when making submissions or observations to An Bord Pleanala in relation to an appeal.

Approval of the Council under Building Bye-Laws must be obtained 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.

Mr. Liam Keogh,  
92, Lucan Heights,  
Lucan,  
Co. Dublin.

Reg. Ref.: 91A/0255

25 September 1991

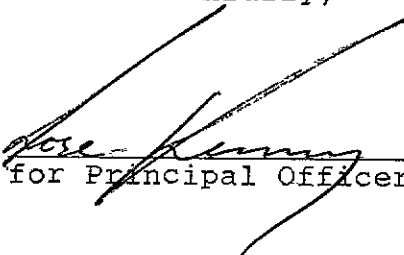
Re: Planning permission for house and septic tank at Tubber Lane,  
Lucan for Ms. Fiona Casey.

Dear Sir,

With reference to your planning application received here on 22nd February, 1991, (letter for extension period received 23rd September, 1991), 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 4th November, 1991.

Yours faithfully,

  
for Principal Officer.



CAREW ASSOCIATES  
CONSULTING ENGINEERS

22 CROFTON ROAD, DUN LAOGHAIRE, CO. DUBLIN.  
TELEPHONE: (01) 2800827, 2844334  
MOBILE: 088-557302  
FAX: 2809944

TO: Mr Noel Prendergast - DUBLIN Co COUNCIL PLANNING DEPT.  
DATE: 23/9/01.  
PROJECT: TURBID WATER LUGHO - SIA/255  
FAX NO: 724896.  
NO. PAGES FOLLOWING: 1.

MESSAGE

CAREW ASSOCIATES.

M.J. CAREW, C. Eng., M.J.E.I., M.I. Struct. E., M.A.C.E.I.

P/5085/91

# COMHAIRLE CHONTAE ÁTHA CLIATH

## Record of Executive Business and Manager's Orders

Register Reference : 91A/0255

Date Received : 22nd February 1991  
T.X. up to & incl. 04.11.91

Correspondence : Liam Keogh,  
Name and : 92 Lucan Heights,  
Address : Lucan,  
Co. Dublin.

Development : House and septic tank  
Location : Tubber Lane, Lucan, Co. Dublin.  
Applicant : Fiona Casey  
App. Type : Permission  
Zoning : B

CONTRIBUTION:	
Standard	375
Rate	200
State	
Open Space	
Open	
SECURITY:	
SECURITY:	
SECURITY:	

(NP/AC)

Report of Dublin Planning Officer dated 31 October 1991.

This is an application for PERMISSION for a bungalow and septic tank at Tubber Lane, Lucan, Co. Dublin for Fiona Casey.

The proposed site, which has an area of 1725 sq.m. is located to the south-east of Tubber Lane. The site forms part of an existing field. It is defined along the road frontage of an existing hedgerow and ditch. The proposed site adjoins the site of an existing bungalow. According to the current application this house is the property of the applicant's sister.

There is an existing two-storey dwelling further to the north-east. The proposed site has road frontage of only 21 metres.

Lodged plans identify the surrounding lands to the south and south-west as being in the control of the applicant's father, Mr. P. Casey. Mr. Casey's dwelling house is located to the south-west.

Correspondence submitted with the application notes that the applicant is prepared to enter into an agreement under Section 38 of the Local Government (Planning and Development) Act, 1976, to restrict the occupation of the house. This letter also notes that the site frontage is less than the required 61 metres. The applicants state that the adjacent site contains a sterilised area (shown on lodged plans) which would allow the required frontage. However this "sterilised area" does not form part of the current site. There is no record on the planning register of this sterilised area. Lodged plans provide for an attractive 208 sq.m. dwelling house located some 16 metres from the public road. The proposed house is one-storey to the front extending to two-storey to the rear (in part). Drawings indicate a brick finish to front. No details are included as to the colour/texture of other

Over ....

# COMHAIRLE CHONTAE ÁTHA CLIATH

## Record of Executive Business and Manager's Orders

Proposed house and septic tank at Tubber Lane, Lucan, Co. Dublin for Fiona Casey.

external finishes/roofing materials etc. Fenestration has in part a strong vertical emphasis although the large horizontal window to the side (south-western) elevation in particular detracts from this.

The proposed means of drainage is by septic tank. Surface water drainage is to a sump. Correspondence submitted with the application states that trial holes were to be dug.

Supervising Environmental Health Officer's report not received.

Roads Department report noted.

The proposed site is located within an area zoned 'B' in the County Development Plan, the objective of which is "to protect and provide for the development of agriculture". According to Paragraph 2.3.9 of the County Development Plan, it is Council Policy to permit housing development in such an area only where the applicant can demonstrate a need to reside or a close link with the local community and/or the area in question. The applicant in this instance is the daughter of a local landowner and according to the correspondence submitted wishes to reside in the area. The development can be considered to be infill.

Additional information was requested on 18.04.91 with regard to the following:

1. The applicant is requested to submit evidence of site suitability for septic tank drainage. A trial hole should be opened on site to comply with the requirements of IIRS booklet SR6, 1975, (Recommendations for Septic Tank Drainage Systems for Single Houses). The applicant should arrange to have the trial hole inspected by the Supervising Environmental Health Officer (Tel. No. 727777).

Additional information was received on 20.06.91. Further unsolicited additional information was received on 02.09.91 which proposed a Bord Na Mona "Puraflo" system. Time extensions were requested to allow further consideration to be given to the application.

Report of the Supervising Environmental Health Officer dated 31.10.91 considers that the septic tank proposal is acceptable subject to conditions. Public water is proposed. This is 350m. away and may need boosting.

The proposed development is considered acceptable.

I recommend that a decision to GRANT PERMISSION be made under the Local Government (Planning and Development) Acts, 1963-1990 subject to the following (a) conditions:-

Over .....

# COMHAIRLE CHONTAE ÁTHA CLIATH

## Record of Executive Business and Manager's Orders

Proposed house and septic tank at Tubber Lane, Lucan, Co. Dublin for Fiona Casey.

### CONDITIONS

### REASONS FOR CONDITIONS

- |   |  |
|---|--|
| <p>1. The development to be carried out in its entirety in accordance with the plans, particulars and specifications lodged with the application, as amended by additional information submitted on 09.08.91, <sup>in addition to information lodged 2/8/91</sup> save as may be required by the other conditions attached hereto.</p> <p>2. That before development commences, approval under the Building Bye-Laws be obtained, and all conditions of that approval be observed in the development.</p> <p>3. That the water supply and drainage arrangements, including the disposal of surface water, be in accordance with the requirements of the County Council. In this regard the nearest available public mains is 350 metres away. The cost of the provision of a connection plus any independent boosting which may be necessary to be financed entirely by the applicant.</p> <p>4. That septic tank and percolation areas shall accord with the standards set out in "Recommendations for Septic Tank Drainage Systems SR6, 1975" available from Eolas. In this regard the applicant <del>must</del> enter into a maintenance contract with the supplier of all Puraflo waste water treatment systems.</p> <p>5. The following requirements of the Roads Department shall be complied with in the development:</p> <p>(a) Ditch to be piped on site frontage. All stormwater shall be disposed of to soakpits or natural watercourse within the site and shall not discharge onto the public road.</p> <p>(b) The gradient of the access shall not exceed 2.5% over the last 6 metres of approach to the public road.</p> | <p>1. To ensure that the development shall be in accordance with the permission and that effective control be maintained.</p> <p>2. In order to comply with the Sanitary Services Acts, 1878-1964.</p> <p>3. In order to comply with the Sanitary Services Acts 1878-1964.</p> <p>4. In order to comply with the Sanitary Services Acts, 1878-1964.</p> <p>5. To comply with the requirements of the Roads Department.</p> |
|---|--|

# COMHAIRLE CHONTAE ÁTHA CLIATH

## Record of Executive Business and Manager's Orders

Proposed house and septic tank at Tubber Lane, Lucan, Co. Dublin for Fiona Casey.

### CONDITIONS

### REASONS FOR CONDITIONS

(c) The boundary of the site shall be set back 6 metres from the centreline of the existing road. Entrance gate to be recessed a further 1.5 metres from the new boundary line. Wing walls to be splayed at 45°. The strip between edge of carriageway and boundary to be levelled and grassed to County Council standards.

(d) Parking for 2 cars to be provided within curtilage of site with turning area.

(e) All works to be carried out prior to the house being occupied.

(f) All work to be carried out at the applicant's expense according to the Specification and Conditions of Dublin County Council.

6. 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.

7. That a financial contribution in the sum of £ 800 be paid by the proposer to the Dublin County Council towards the cost of road improvements and traffic management 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.

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

6. 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.

7. 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.

8. To prevent unauthorised development.

(See over conditions  
9)

# COMHAIRLE CHONTAE ÁTHA CLIATH

## Record of Executive Business and Manager's Orders

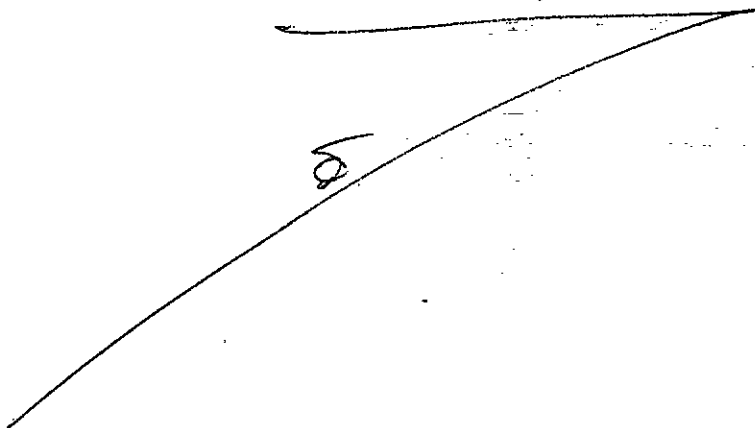
Proposed house and septic tank at Tubber Lane, Lucan, Co. Dublin for Fiona Casey.

CONDITIONS

REASONS FOR CONDITIONS

9. Heating to be provided by the use of either oil, gas, electricity or log smokers fuels in fireplaces or appliances suitable only for burning solid smokers fuels.

9. In the interest of reducing air pollution.



*[Signature]*  
Endorsed:- *[Signature]*  
for Principal Officer

*[Signature]*  
For Dublin Planning Officer

Order:- A decision pursuant to Section 26(1) of the Local Government (Planning and Development) Acts, 1963-1990, to GRANT PERMISSION for the above proposal subject to the ( 9 ) conditions set out above is hereby made.

Dated: 1<sup>st</sup> October, 1991.  
November

*[Signature]*  
ASSISTANT COUNTY MANAGER

to whom the appropriate powers have been delegated by Order of the Dublin City and County Manager, dated 23<sup>rd</sup> October 1991.

EASTERN HEALTH BOARD

P.C. \_\_\_\_\_

Reg. Ref: 91A/255Proposed: House + Septic TankAt: Tilber LaneFor: Fiona Casey

Plans lodged. \_\_\_\_\_

Architect: Niam Keogh

Observations and recommendations of Env. Health Officers and/or  
Supervising Env. Health Officer.

The proposal is acceptable provided that:

- 1) The septic tank is constructed in accordance with the NRS 1975 Guidelines
- 2) The applicant enters into a maintenance contract with the supplier of the perasto waste water treatment system.

Aa Devine

Per John O'Keilly JSHO

31/10/91

Ms. Ita Divine  
Environmental Health Officer  
Dublin County Council  
33 Gardiner Place  
Dublin 1

Liam Keogh  
92 Lucan Heights  
Lucan  
Co. Dublin.  
Tel 6280174  
2844334

House at Tubber Lane Lucan Co. Dublin For Ms. Fiona Casey  
Reg Ref:91a/255

Dear Mrs. Divine,

Further to your request for details on the proposed puraflo system on the above site I enclose 3 number copies of drawing numbers 90/09/03 and 90/03/04.

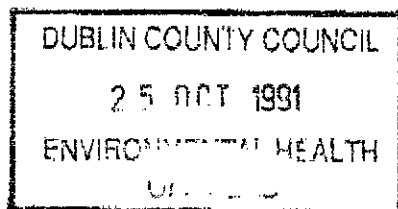
Please note that for the septic tank 500 deep layer of lean-mix concrete is to be poured to cater for any buoyancy effect caused by the higher water table.

The actual peat bed has been placed at ground level to allow the treated effluent to percolate to the top layers of soil.

The construction of the module for the peat bed on discussion with the manufacturers can be in blockwork as shown. This is acceptable to the manufacturers in lieu of their ready made plastic modules as these are specifically designed for the more usual below ground condition.

Yours faithfully,

  
LIAM KEOGH.





# COMHAIRLE CHONTAE ÁTHA CLIATH

## Record of Executive Business and Manager's Orders

Planning permission for house and septic tank at  
Tubber Lane, Lucan for Ms. Fiona Casey.

Mr. Liam Keogh,  
92, Lucan Heights,  
Lucan,  
Co. Dublin.

Reg. Ref. 91A/0255  
Appl. Rec'd: 22.02.1991  
Time Ext. let. rec'd: 23.09.1991  
Time Ext. up to: 04.11.1991

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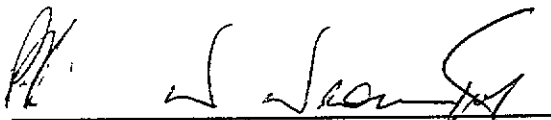
Report of the Dublin Planning Officer, dated 24 September 1991

This is an application for permission for house and septic tank at Tubber Lane, Lucan for Ms. Fiona Casey.

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 4th November, 1991.


I recommend that the period to be extended accordingly.

Reason: To facilitate full consideration of the application.

  
for Principal Officer.

Order: A decision pursuant to Section 26(4A) to extend the period for considering the application as recommended is hereby made.

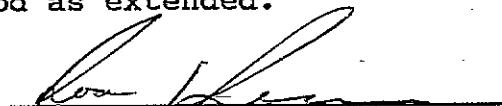
Dated: 25 September, 1991.

  
Assistant City & County Manager

to whom the appropriate powers have been delegated by order of the Dublin City and County Manager dated 4th September, 1991.

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NOTE: I have checked that the necessary entry has been made recording details of the period as extended.

  
SENIOR STAFF OFFICER.

EASTERN HEALTH BOARD

P.C. \_\_\_\_\_ Reg. Ref: 91A/2SS

Proposed: House and Septic tank.

At: Tubbeel Lane, Inan.

For: Maria Casey.

Plans lodged: \_\_\_\_\_

Architect: Tom Keogh.

Observations and recommendations of Env. Health Officers and/or Supervising Env. Health Officer.

I carried out percolation tests at the above site on 12/8/91 & 13/8/91, and the results showed failure. The soil is therefore not suitable for septic tank drainage.

PLANNING DEPT.  
DEVELOPMENT CONTROL SECT  
Date... 23.08.91  
Time... 9.00

Jeannie Kelly  
EHD 15/8/91.

for Ma Devine  
John O'Reilly SOTTO  
19/8/91

M 6

Register Reference : 91A/0255

Date : 12th March 1991

Development : House and septic tank

LOCATION : Tubber Lane, Lucan, Co. Dublin.

Applicant : Fiona Casey

App. Type : PERMISSION/BUILDING BYE-LAW APPROVAL

Planning Officer : M.GALVIN

Date Recd. : 22nd February 1991

DUBLIN COUNTY COUNCIL  
- 2 MAY 1991  
ENVIRONMENTAL HEALTH  
OFFICERS

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

PLANNING DEPT.  
DEVELOPMENT CONTROL SECT  
Date ..... 08/05/91 .....  
Time ..... 4.00 P.M. ....

Yours faithfully,

*Paul John*

PRINCIPAL OFFICER

1. Additional Information required regarding
1. The location of the percolation and reserve percolation areas and septic tank serving the adjoining dwelling.
  2. Provision of a potable and adequate supply of water.
  3. Details of the septic tank design and specifications to be submitted.
  4. Suitability of soil for the disposal of septic tank effluent. Percolation tests to be carried out to determine length of percolation areas.

SUPER. ENVIRON. HEALTH OFFICER,  
33 GARDINER PLACE,  
DUBLIN 1.

Da Devine  
for John O'Keilly  
2/5/91

note Trial hole inspected 15/4/91 indicate a high level of water of 3ft clearance - after a period of heavy rain.

DUBLIN COUNTY COUNCIL

REG. REF: 91A/255.  
 LOCATION: Tubber Lane, Lucan.  
 APPLICANT: Fiona Casey.  
 PROPOSAL: House and septic tank.  
 DATE LODGED: 22.2.91.

**LANNING DEPT.**  
**DEVELOPMENT CONTROL**  
 Date ..... 9/4/91 .....  
 Time ..... 11/20 .....

MC

This application is for full permission for house and septic tank at Tubber Lane, Lucan.

Roads Department require access to be located to the north-east of the site fronting onto the lane in order to increase sight distance in the Celbridge and Lexlip direction.

1. Ditch to be piped on site frontage. All stormwater shall be disposed of to soakpits or natural watercourse within the site and shall not discharge onto the public road.
2. The gradient of the access shall not exceed 2.5% over the last 6 metres of approach to the public road.
3. The boundary of site shall be set back 6 metres from the centreline of the existing road. Entrance gate to be recessed a further 1.5 metres from the new boundary line. Wing walls to be splayed at 45°. The strip between edge of carriageway and boundary to be levelled and grassed to County Council standards.
4. Parking for 2 cars to be provided within curtilage of site with turning area.
5. All works to be carried out prior to the house being occupied.
6. All work to be carried out at the applicant's expense according to the Specification and Conditions of Dublin County Council.
7. A financial contribution, in the sum of money equivalent to the value of ~~800.00~~ as on 1st January, 1991, and updated in accordance with the Wholesale Price Index-Building and Construction (Capital Goods) as published by the Central Statistics Office to the value pertaining at the time of payment shall be paid by the developer to Dublin County Council towards the cost of road improvements and Traffic Management proposals in the area serving this site.

MA/EMC  
8.4.91.

SIGNED: \_\_\_\_\_

ENDORSED: Y.P. [Signature]

DATE: \_\_\_\_\_

DATE: 8/4/91

@

1) Date Lodged  
22.2.91

LOCATION: Tubber Lane, Lucan  
APPLICANT: Fiona Casey  
PROPOSAL: House and Septic tank

REG. REF. 91A/255

MC  
(2) Date referred:

FOUL SEWER

*Septic Tank proposed - refer to E.A.B.*

(3) Rec'd San. Ser

DUBLIN CO. COUNCIL  
Dispatched By  
SANITARY SERVICES  
19 APR 1991  
Returned *[Signature]*

SURFACE WATER:

*Leak pits proposed - refer to S.Z.L. Dept.*

(5) Date to Plan

(6) Date to Plan

PLANNING DEPT.  
DEVELOPMENT CONTROL SECT  
Date 24/4/91  
Time 10:30

(7) D.P.O. report  
to be submit  
before

(9) Decision due:

*J. Rice  
15/4/91*

(8) D.P.O report  
submitted to  
S.A.O.:

ENDORSED \_\_\_\_\_ DATE \_\_\_\_\_

PLANNING DEPARTMENT

BOOK FOLIO

Date Lodged
22.2.91

LOCATION: Tubber Lane, Lucan REG. REF. 91A/255  
 APPLICANT: Fiona Casey  
 PROPOSAL: House & Septic tank

WATER SUPPLY

0.5 14/9.  
 Nearest available public main approx 350 metres away. Applicant to state the instructions regarding provision of supply. P. Lghs. EE. 15/3/91.  
 Independent private boosting of supply may be required. Applicant to consult with Water Division regarding this matter prior to commencement of construction. B. McKear 22/3/91

ENDORSED: [Signature] DATE: 16/4/91

My

EASTERN HEALTH BOARD

P.C. \_\_\_\_\_ Reg. Ref: 91A/255  
 Proposed: Dwelling + ST  
 At: Tubber Lane Lucan  
 For: Fiona Casey  
 Plans lodged: ?  
 Architect: \_\_\_\_\_

PLANNING DEPT.  
 DEVELOPMENT CONTROL SECT  
 Date 06/05/91  
 Time 2:30 P.M.

Observations and recommendations of Env. Health Officers and/or Supervising Env. Health Officer.

Trial hole inspected 15/4/91  
 Water level 3ft after a period of heavy rainfall. Soil appeared suitable for the disposal of septic tank effluent. However, it may be necessary to carry out percolation tests.

Note Plans have not been received at this office to date.

Jta Devine  
 for John O'Kelly S.E.H.O  
 1/5/91

DUBLIN COUNTY COUNCIL

REG. REF: 91A/255.  
LOCATION: Tubber Lane, Lucan.  
APPLICANT: Fiona Casey.  
PROPOSAL: House and septic tank.  
DATE LODGED: 22.2.91.

PLANNING DEPT.	
DEVELOPMENT CONTROL SECT	
Date .....	26.4.91
Time .....	2.30

MG

This application is for full permission for house and septic tank at Tubber Lane, Lucan.

Roads Department require access to be located to the north-east of the site fronting onto the lane in order to increase sight distance in the Celbridge and Lexlip direction.

1. Ditch to be piped on site frontage. All stormwater shall be disposed of to soakpits or natural watercourse within the site and shall not discharge onto the public road.
2. The gradient of the access shall not exceed 2.5% over the last 6 metres of approach to the public road.
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5. All works to be carried out prior to the house being occupied.
6. All work to be carried out at the applicant's expense according to the Specification and Conditions of Dublin County Council.
7. A financial contribution, in the sum of money equivalent to the value of ~~£~~800.00 as on 1st January, 1991, and updated in accordance with the Wholesale Price Index-Building and Construction (Capital Goods) as published by the Central Statistics Office to the value pertaining at the time of payment shall be paid by the developer to Dublin County Council towards the cost of road improvements and Traffic Management proposals in the area serving this site.

MA/BMcC  
8.4.91.

SIGNED: \_\_\_\_\_

ENDORSED: Y.P. L

DATE: \_\_\_\_\_

DATE: 8/4/91



P/1557/91

# COMHAIRLE CHONTAE ÁTHA CLIATH

## Record of Executive Business and Manager's Orders

Register Reference : 91A/0255

Date Received : 22nd February 1991

Correspondence : Liam Keogh,  
Name and : 92 Lucan Heights,  
Address : Lucan,  
Co. Dublin.

Development : House and septic tank

Location : Tubber Lane, Lucan, Co. Dublin.

Applicant : Fiona Casey

App. Type : Permission

Zoning : B

(MG/AC)

Report of Dublin Planning Officer dated 10 April, 1991.

This is an application for PERMISSION for a bungalow and septic tank at Tubber Lane, Lucan, Co. Dublin for Fiona Casey.

The proposed site, which has an area of 1725 sq.m. is located to the south-east of Tubber Lane. The site forms part of an existing field. It is defined along the road frontage of an existing hedgerow and ditch. The proposed site adjoins the site of an existing bungalow. According to the current application this house is the property of the applicant's sister.

There is an existing two-storey dwelling further to the north-east. The proposed site has road frontage of only 21 metres.

Lodged plans identify the surrounding lands to the south and south-west as being in the control of the applicant's father, Mr. P. Casey. Mr. Casey's dwelling house is located to the south-west.

Correspondence submitted with the application notes that the applicant is prepared to enter into an agreement under Section 38 of the Local Government (Planning and Development) Act, 1976, to restrict the occupation of the house. This letter also notes that the site frontage is less than the required 61 metres. The applicants state that the adjacent site contains a sterilised area (shown on lodged plans) which would allow the required frontage. However this "sterilised area" does not form part of the current site. There is no record on the planning register of this sterilised area. Lodged plans provide for an attractive 208 sq.m. dwelling house located some 16 metres from the public road. The proposed house is one-storey to the front extending to two-storey to the rear (in part). Drawings indicate a brick finish to front. No details are included as to the colour/texture of other

# COMHAIRLE CHONTAE ÁTHA CLIATH

## Record of Executive Business and Manager's Orders

external finishes/roofing materials etc. Fenestration has in part a strong vertical emphasis although the large horizontal window to the side (south-western) elevation in particular detracts from this.

The proposed means of drainage is by septic tank. Surface water drainage is to a sump. Correspondence submitted with the application states that trial holes were to be dug.

Supervising Environmental Health Officer's report not received.

Roads Department report not received.

The proposed site is located within an area zoned 'B' in the County Development Plan, the objective of which is "to protect and provide for the development of agriculture". According to Paragraph 2.3.9 of the County Development Plan, it is council Policy to permit housing development in such an area only where the applicant can demonstrate a need to reside or a close link with the local community and/or the area in question. The applicant in this instance is the daughter of a local landowner and according to the correspondence submitted wishes to reside in the area.

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

- 01 The applicant is requested to submit evidence of site suitability for septic tank drainage. A trial hole should be opened on site to comply with the requirements of the I.I.R.S. booklet SR6, 1975, (Recommendations for Septic Tank Drainage Systems for Single Houses). The applicant should arrange to have the trial hole inspected by the Supervising Environmental Health Officer (Tel. No. 727777).

*ms*  
.....  
for Dublin Planning Officer

.....  
Endorsed:-.....  
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 : ... 18 April 1991. .... K.O. Sullivan .....

ASSISTANT CITY AND COUNTY MANAGER

to whom the appropriate powers have been delegated by order of the Dublin City and County Manager dated 8th April, 1991.

COMHAIRLE CHONTAE ATHA CLIATH

DUBLIN COUNTY COUNCIL

Building Control Department,  
Liffey House,  
Tara Street,  
Dublin 1.

Planning Department,  
Irish Life Centre,  
Lower Abbey Street,  
Dublin 1.

Telephone: 773066

Telephone: 724755  
Extension: 231/234

13th November 1991

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

LOCATION: Tubber Lane, Lucan

PROPOSED DEVELOPMENT: House

APPLICANT: Ms. Fiona Casey

PLANNING REG. REF.: 91A/0255

DATE OF RECEIPT  
OF SUBMISSION: 6 November 1991

A Chara,

With reference to above, I acknowledge receipt of application for:

**Compliance with Conditions.**

Mise, le meas

A. Smith

\_\_\_\_\_  
PRINCIPAL OFFICER

Liam Keogh,

92 Lucan Heights,

Lucan,

Co. Dublin.

Ms. Ita Divine  
Environmental Health Officer  
Dublin County Council  
33 Gardiner Place  
Dublin 1

Liam Keogh  
92 Lucan Heights  
Lucan  
Co. Dublin.  
Tel 6280174  
2844334



House at Tubber Lane Lucan Co. Dublin For Ms. Fiona Casey  
Reg Ref:91a/255

Dear Mrs. Divine,

Further to your request for details on the proposed puraflo system on the above site I enclose 3 number copies of drawing numbers 90/09/03 and 90/03/04.

Please note that for the septic tank 500 deep layer of lean-mix concrete is to be poured to cater for any buoyancy effect caused by the higher water table.

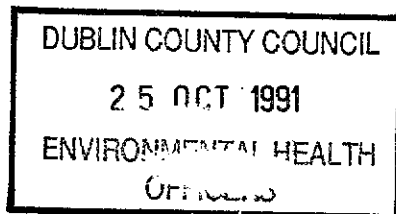
The actual peat bed has been placed at ground level to allow the treated effluent to percolate to the top layers of soil.

The construction of the module for the peat bed on discussion with the manufacturers can be in blockwork as shown. This is acceptable to the manufacturers in lieu of their ready made plastic modules as these are specifically designed for the more usual below ground condition.

Yours faithfully,

  
LIAM KEOGH.

91A/0255  
1.4.0  
Lmk



Mr Noel Prendergast  
Planning Officer  
Dublin County Council  
Planning Department  
Irish Life Centre  
Dublin 1

Liam Keogh  
92, Lucan Heights  
Lucan  
Co. Dublin.

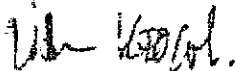
23rd September 1991

RE: Proposed House and Septic Tank at Tubber Lane Lucan  
Reg. Ref:91a/255.

Dear Sir,

Further to my letter of 26th August 1991 regarding use of an alternative waste disposal system, I wish to apply for a time extension of six weeks from the above date. This time extension would allow the Environmental Health Officer adequate time to assess the new proposal.

Yours faithfully,



Liam Keogh.

91A/255  
1.0.0.2  
and A.1

*New Material*

*6283302*

*2809827*

*2844334*

The Principle Officer  
Planning Department  
Building Control Section  
Block 2, Irish Life Centre  
Lr Abbey st.  
Dublin 2.

Liam Keogh  
92, Lucan Heights  
Lucan  
Co. Dublin

26th August 1991.

RE: ADDITIONAL INFORMATION FOR BBL REG REF 91A/255  
PROPOSAL FOR HOUSE AND SEPTIC TANK AT TUBBER LANE LUCAN CO  
DUBLIN FOR Ms FIONA CASEY.

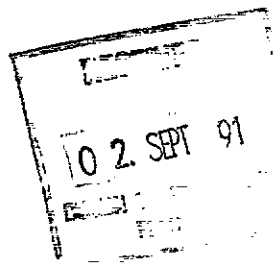
Dear Sir,

Further to additional information previously required and submitted for the above proposal, I wish to comment on the requirement pertaining to percolation testing. The Environmental Health Officer, Ms Jackie Kelly has carried out a percolation test as required on the above site and will issue a report. The percolation test was deemed to have failed for the purposes of waste disposal via a standard percolation area system. After discussion on site with Ms Kelly I propose to replace the standard percolation system with the Bord na Mona 'Puraflo' system which may be suitable for this site. It is proposed to place the Biofilter Module over ground and percolate the treated effluent at a higher level. I enclose a copy of technical details of the Puraflo system for your information.

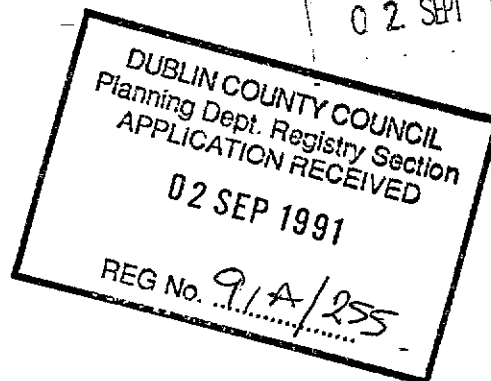
Yours faithfully,

*Liam Keogh*

Liam Keogh.



02 SEPT 91



# PURAFLO

## TECHNICAL INFORMATION SHEET SINGLE DWELLINGS

### Septic Tank Effluent Treatment System

#### THE PROBLEM OF POLLUTION

The average pollution BOD generated by sewage effluent from the occupants of a domestic dwelling is 0.06kg/head/day.

Where the effluent is discharged from a septic tank, serious contamination of ground or surface water can occur where site conditions are not suitable.

Surface water contamination is most prevalent in areas where impervious soils dominate. Where a percolation area fails, a common method used to try to prevent effluent backing-up to the house is to pipe from the outlet of the septic tank to the nearest drain. This leads to an ongoing insidious pollution which is sometimes difficult to recognise.

In the case of ground water pollution, the situation applies in reverse. Where there is a poor over burden of soil on fissured rock (mostly limestone), there is a direct run-off into the ground water system from the septic tank. This underground water system may be used for domestic consumption with the householder being unaware in most cases, of the pollution risk.

#### THE PURAFLO PROCESS FOR POLLUTION CONTROL

Bord na Móna scientists have developed the Puraflo System to treat effluent from a septic tank which is working correctly and must have been installed in accordance with SR6 (EOLAS).

The operating principle of Puraflo is based on a form of aerobic biological treatment with filtration using a special blend of peat fibre as the medium.

#### PERFORMANCE

A Puraflo installation will produce a high quality final effluent with an average BOD (biochemical oxygen demand) of less than 10mg/l and average TSS (total suspended solids) of less than 15mg/l. Coliform and ammonia removal of up to 99% and 90% respectively is also achieved. All quoted figures are well within the normal requirements of Health Organisations.

#### THE PURAFLO SYSTEM

For a single dwelling, the System consists of a Sump and Pump Unit, 4 biofilter Modules, connecting pipework and ducting and electrical controls.

The Sump and Pump Unit is installed at the outlet from the septic tank with the effluent being pumped to the biofilter Modules

(see Figure 1). The biological process begins at this stage with the effluent being distributed evenly over the surface of the treatment media.

#### SYSTEM LOADING

The Puraflo Domestic Installation will cater for a dwelling house of up to five bedrooms and will treat 1 cubic metre of effluent per day. At this loading, the dwell time in the media will be six days. Dwell time is an important factor in the efficiency of the biological process.

The special blend of peat fibre and peat, and the predetermined and accurate compaction factor of the media ensures an evenly controlled flow. Where domestic situations larger than five bedrooms are proposed, the Puraflo Domestic Installation can be enlarged accordingly.

#### PURAFLO SYSTEM COMPONENTS

##### Sump and Pump Unit

Manufactured from corrosion free polyethylene. Incorporates a 450mm square galvanised steel frame and cover which is designed for pedestrian loading and has a safety grid fitted below the cover. Sump dimensions are given in Table 1.

A fully submersible pump within the Sump is rated at 0.33KW single phase and is capable of pumping up to 5 metres head. The pump should be withdrawn from the Sump annually, hosed down, inspected and the strainer checked for blockage prior to replacement.

##### Biofilter Modules

Each Module is moulded from polyethylene and is packed with a special blend of peat fibre media, developed by the research department of Bord na Móna to give optimum retention time and performance on a continuing basis. The four biofilter Modules required for a single dwelling have a surface area of 10m<sup>2</sup> and are 0.76m deep. The effluent received from the Sump through a 40mm polyethylene rising main is distributed over the peat fibre media to meet designed hydraulic and biological loading rates. (Module dimensions are given in Table 1).

##### Distribution Pipework

A manifold system of uPVC pipes and fittings ensures an even distribution of effluent over the total area of the peat fibre media (see Figure 2).

Other pipework supplied with the Puraflo System comprises: 110mm uPVC between septic tank and Sump, 40mm

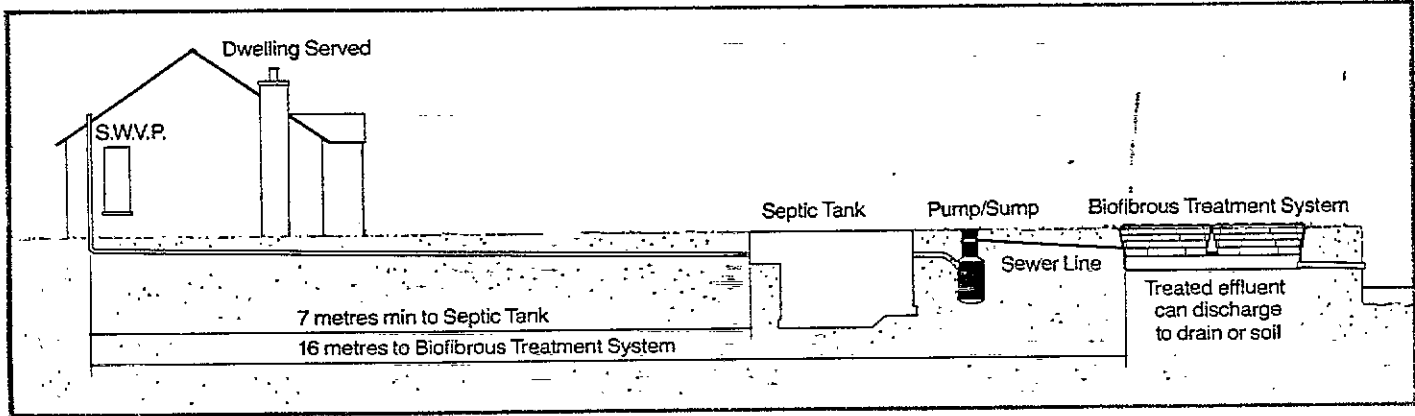


Figure 1 Typical Layout

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

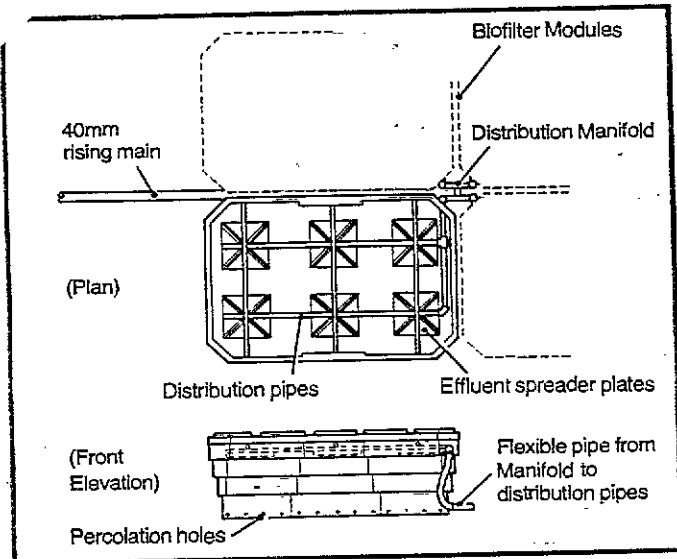
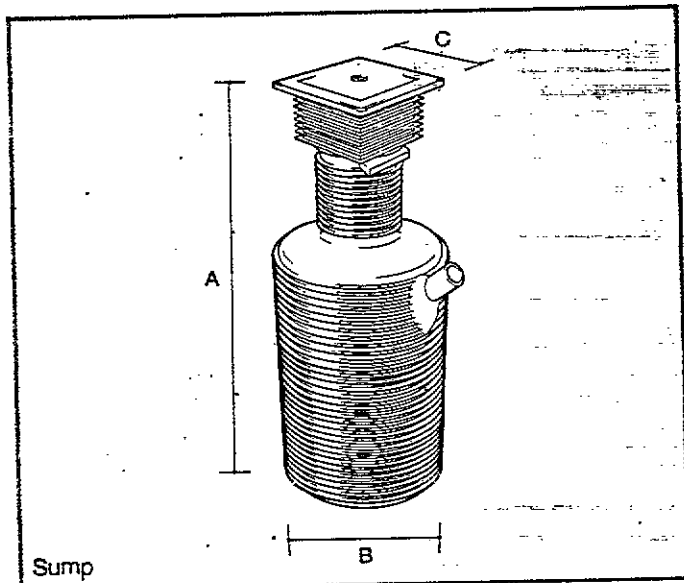


Figure 2 Manifold Distribution System

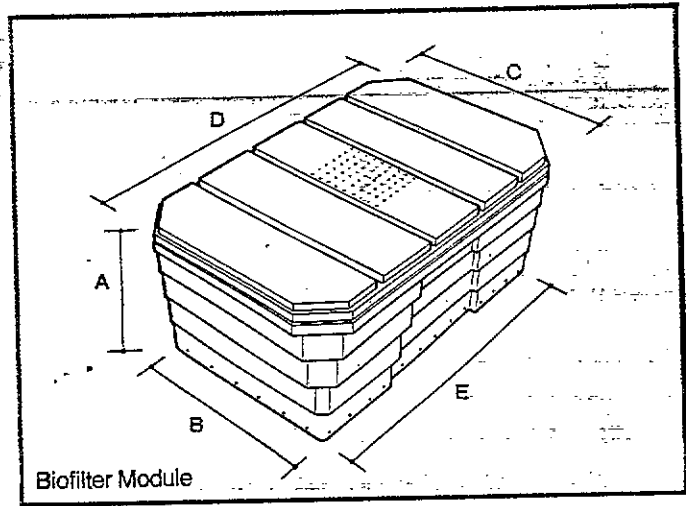
Table 1 Dimensions (mm)

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.

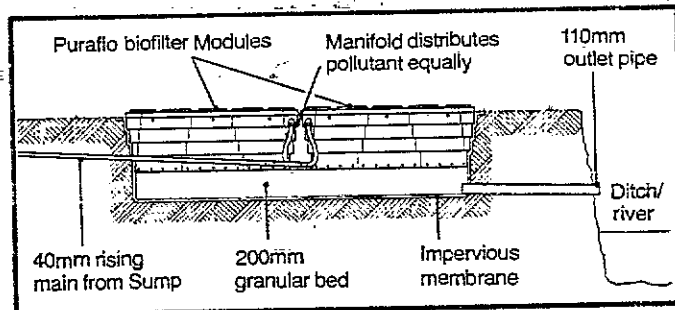


Figure 3(a) Puraflo system discharging treated effluent into open ditch, stream or river

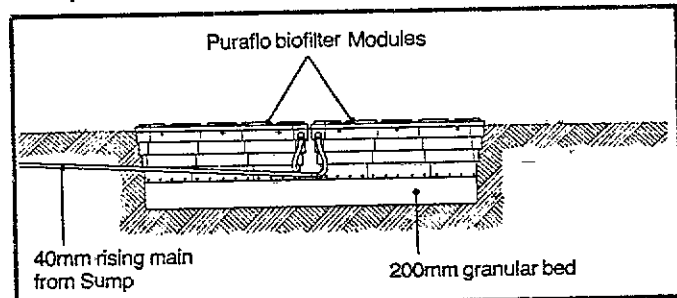


Figure 3(b) Puraflo system discharging directly into subsoil where suitable

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

**BORDNAMONA**

THE IRISH PEAT BOARD

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

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



## PURAFLO™ EFFLUENT TREATMENT SYSTEM

[1, 2, 3 = As tested by EOLAS - 4, 5 = National Food Centre]

### AVERAGE RESULTS FOR DOMESTIC HOUSE

No.	Parameter	Influent	Effluent	Reduction %
1.	B.O.D. (mg/l)	249	9	96
2.	T.S.S. (mg/l)	120	14	88
3.	NH <sub>3</sub> as N (mg/l)	50	15	70
4.	Total Coliforms (per 100 ml)	3.7x10 <sup>6</sup>	6.0x10 <sup>3</sup>	99+
5.	<u>E-Coli</u> (per 100 ml)	9.1x10 <sup>5</sup>	7.6x10 <sup>2</sup>	99+

### AVERAGE RESULTS FOR GROUP SCHEME

No.	Parameter	Influent	Effluent	Reduction %
1.	B.O.D. (mg/l)	266	9	97
2.	T.S.S. (mg/l)	112	13	88
3.	NH <sub>3</sub> as N (mg/l)	47	16	66
4.	Total Coliforms (per 100 ml)	9.0x10 <sup>6</sup>	5.7x10 <sup>4</sup>	99+
5.	<u>E-Coli</u> (per 100 ml)	2.5x10 <sup>4</sup>	2.5x10 <sup>3</sup>	99+

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 Iacht,  
Lower Abbey Street,  
Baile Atha Cliath 1.  
Dublin 1.  
Telephone. (01)724755  
Fax. (01)724896

Register Reference : 91A/0255

Date : 15th August 1991

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

Dear Sir/Madam,

DEVELOPMENT : House and septic tank  
LOCATION : Tubber Lane, Lucan, Co. Dublin.  
APPLICANT : Fiona Casey  
APP. TYPE : Additional Information

With reference to the above, I acknowledge receipt of your application received on 9th August 1991.

Yours faithfully,

.....  
for PRINCIPAL OFFICER

Liam Keogh,  
92 Lucan Heights,  
Lucan,  
Co. Dublin.

pc

The Principle Officer,  
Planning Department,  
P.O. Box 174,  
Block 2,  
Irish Life Centre,  
Lower Abbey Street,  
Dubin 1.

Mr Liam Keogh,  
92 Lucan Heights,  
Lucan,  
Co.Dublin.  
Tel 6280174.  
25th July 1991.

*Handwritten initials and date:*  
R/L  
9/8.

RE: PROPOSED HOUSE & SEPTIC TANK AT TUBBER LANE,  
LUCAN, FOR MS FIONA CASEY.  
REG. REF. 91A/0255.

Dear Sir,

Further to your query dated 1/7/91, re my submission in respect of additional information for the above development. I wish to confirm that this additional information should also be regarded as a reply to any points in respect of planning permission.

Yours faithfully,

*Handwritten signature:*  
Liam Keogh.  
LIAM KEOGH.

*Handwritten initials:*  
A.I. 1.0.0

*Handwritten note:*  
See Deaw My  
of 20/7/91 ALG 91

Mr. Liam Keogh,  
92 Lucan Heights,  
Lucan,  
Co. Dublin.

VH/MB

1.7.91

Re; Proposed house and septic tank at Tubber Lane, Lucan for Fiona Casey  
Reg.Ref. No. 91A/0255

Dear Sir,

I refer to your submission of 19th June 1991 in respect of additional information for Building Bye-Law Approval. I wish to clarify whether you wish this submission to also be regarded as a reply to the request for additional information in respect of Planning Permission dated 18th April, 1991.

I should be obliged therefore, if you would contact this Department and clarify this matter at your earliest convenience.

Yours faithfully,

  
\_\_\_\_\_  
for Principal Officer.

The Principle Officer,  
Dublin County Council,  
Building Control Section,  
Block 2, Irish Life Centre,  
Lr. Abbey Street,  
Dublin 2.

— Liam Keogh.  
— 92 Lucan Heights,  
— Lucan,  
— Co. Dublin

19/6/91.

RE: TIME EXTENSION/ADDITIONAL INFORMATION FOR B.B.L. REF:  
91A/255. PROPOSAL: HOUSE AND SEPTIC TANK AT TUBBER LANE,  
LUCAN, CO. DUBLIN.

Dear Sir/Madam,

Further to the points noted in your request for additional information I enclose the following:

1: Sketch 90/03/100 showing the location at the percolation area to the adjoining dwelling.

2: Details of septic tank are shown on drawing No. 90/03/03.

3: I will arrange for percolation tests to be carried out and inspected by Mrs Ita Devine, Sanitary Services Inspector of Dublin Co. Council.

4: Site contours etc are shown on drg No. 90/03/03.

5: Re water main. It is proposed to connect into an existing water main which is located approximately 3-4m from the front boundary. I understand that this water-main was provided by Mr Patrick Casey to supply his domestic and agricultural water requirements. The adjoining dwelling also connects to this main.

6: Structural calculations for R.C. beam attached.

Yours faithfully,

*Liam Keogh*  
LIAM KEOGH.

91A/0255

1.4.0.2

A1. for BB2 + Planning

20 JUN 91

Mr. Liam Keogh,  
92, Lucan Heights,  
Lucan,  
Co. Dublin.

Reg. Ref. 91A-0255

18 April 1991

Re: Proposed house and septic tank at Tubber Lane, Lucan,  
Co. Dublin for Fiona Casey.


Dear Sir,

With reference to your planning application, received here on 22nd February, 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, 1963-1983, the following additional information must be submitted in quadruplicate:-

1. The applicant is requested to submit evidence of site suitability for septic tank drainage. A trial hole should be opened on site to comply with the requirements of I.I.R.S. booklet SR6, 1975, (Recommendations for Septic Tank Drainage Systems for Single Houses). The applicant should arrange to have the trial hole inspected by the Supervising Environmental Health Officer (Tel. No. 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 Iacht,  
Lower Abbey Street,  
Baile Atha Cliath 1.  
Dublin 1.  
Telephone. (01)724755  
Fax. (01)724896

Register Reference : 91A/0255

Date : 1st March 1991

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

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Dear Sir/Madam,

DEVELOPMENT : House and septic tank

LOCATION : Tubber Lane, Lucan, Co. Dublin.

APPLICANT : Fiona Casey

APP. TYPE : PERMISSION/BUILDING BYE-LAW APPROVAL

With reference to above, I acknowledge receipt of your application received on 22nd February 1991.

Yours faithfully,

.....

PRINCIPAL OFFICER

Liam Keogh,  
92 Lucan Heights,  
Lucan,  
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 TUBBER LANE, LUCAN, CO DUBLIN.  
(If none, give description sufficient to identify) EYE LAW APPLICATION

3. Name of applicant (Principal not Agent) EIONA CASEY  
Address A DEERIN, LUCAN CO DUBLIN. Tel. No. 6280559.

4. Name and address of person or firm responsible for preparation of drawings LIAN KEENE  
92 LUCAN HEIGHTS, LUCAN, CO DUB. Tel. No. 6280174.

5. Name and address to which notifications should be sent LIAN KEENE, 92 LUCAN HEIGHTS,  
LUCAN CO DUBLIN

6. Brief description of proposed development HOUSE + SEPTIC TANK

7. Method of drainage SEPTIC TANK 8. Source of Water Supply MAIN

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.  
(b) Proposed use of each floor

FEE PAID: £32 DATE: 22/2  
RECEIPT No: N31368

10 Does the proposal involve demolition, partial demolition or change of use of any habitable house or part thereof? No.

11.(a) Area of Site 1725 Sq. m.  
(b) Floor area of proposed development 203. Sq. m.  
(c) Floor area of buildings proposed to be retained within site

EYE LAW APPLICATION  
REG. N 55 N31622

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 into account in your proposal:  
THE DRAFT BUILDING REGULATIONS HAVE BEEN TAKEN INTO ACCOUNT.

15.List of documents enclosed with application.  
DEG'S 90/03/01, 02, 03 / OUTLINE SPECIFICATION / PLANNING NOTICE.

CO. DUBLIN Planning Permission sought for house and septic tank at Tubber Lane, Lucan, By Ms. Fiona Casey.

16.Gross floor space of proposed development (See back) 203. Sq. m.

No of dwellings proposed (if any) 1 Class(es) of Development 1, 2.  
Fee Payable £ 37.00 Basis of Calculation PLANNING + BYE LAW.  
If a reduced fee is tendered details of previous relevant payment should be given

Signature of Applicant (or his Agent) Lian Keene Date 02/2/91.

Application Type P/B FOR OFFICE USE ONLY  
Register Reference 91A/0255  
Amount Received £ 2,12.4  
Receipt No 05.179  
Date

RECEIVED  
22 FEB 1991  
Reg. Sec.

Strid  
Pres  
8/2/91



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 <sup>2</sup> (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 <sup>2</sup> (min. £70.00)
D	Agricultural Buildings/Structures	£1.00 per m <sup>2</sup> in excess of 300 sq. metres (min. - £70.00) (Max. - £300.00)
E	Petrol Filling Station Development or	£200.00
F	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.

# COMHAIRLE CHONTAE ÁTHA CLIATH

RECEIPT CODE

PAID BY

DUBLIN COUNTY COUNCIL

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

CASH

CHEQUE

M.O.

B.L.

I.T.

BYE LAW APPLICATION.

REC. No.

N 31622

£ 55.00

Received this

from

Liam Keogh

27th

day of

July

19

92 Linn Heights

the sum of

fully five

Pounds

Pence, being

no pence

application at Tullamore Lane, Linn Heights

Michael O'Hara

Cashier

AB

S. CAREY  
Principal Officer

RECEIPT CODE

# COMHAIRLE CHONTAE ÁTHA CLIATH

DUBLIN COUNTY COUNCIL  
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-31368

- PAID
- CASH
- CHEQUE
- M.O.
- B.L.
- I.T.

£32.00

Received this 22nd day of July, 1991

from Liam Lynch  
97 Luan Heights

the sum of thirty two pounds

planning application at Tubex Lane, Llanelli

Michael O'Hara

Cashier

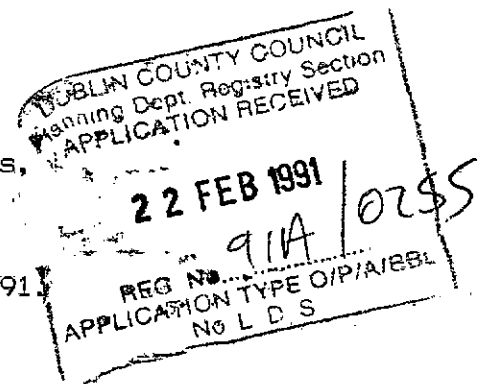
S. CAREY  
Principal Officer

Class 1

The Principle Officer,  
Dublin County Council,  
Planning Department,  
Irish Life Centre,  
Lower Abbey Street,  
Dublin 1.

Mr. Liam Keogh,  
92, Lucan Heights,  
Lucan,  
Co. Dublin.

11th February 1991



RE: PROPOSED NEW HOUSE AND SEPTIC TANK AT TUBBER LANE, LUCAN,  
CO. DUBLIN FOR MS. FIONA CASEY.

Dear Sir,

I am applying for planning permission and Building Bye-Law approval for the above proposed development. Enclosed are the following documents:

1. Drawing No.s 90/03/01, 02 & 03.
2. Outline Specification.
3. Completed Application Form.
4. Planning Notice-page 28 of Irish Press, dated 8/2/1991.
5. Cheque for £87.00.

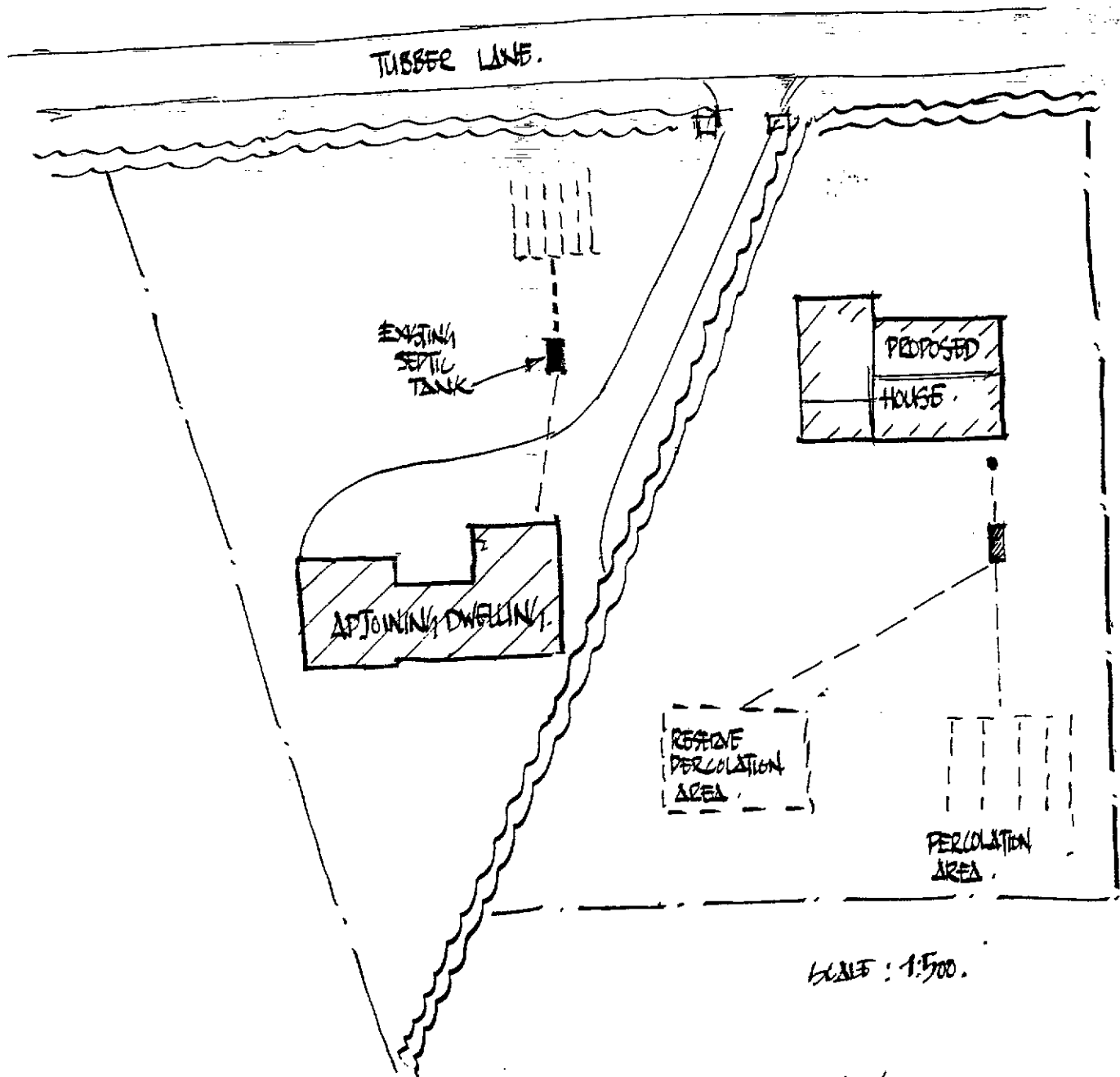
This proposal has been discussed with Mr. Peter Byrne, the Planning Officer for the area and I would like to make the following points in support of the application:

1. My client is the daughter of Mr. Patrick Casey, owner of the lands on which the site is located and she wishes to continue to live in the area. The extent of the lands owned by Mr. Casey has been outlined in blue on Drg No. 90/03/03.

She is prepared, if so required, to enter into an agreement under Section 38 of the Local Government (Planning and Development) Act 1976, restricting the occupation of the house.

2. The site is of adequate size and shape to accommodate a percolation area in accordance with I.I.R.S. S.R.6 1975.
3. Although the site has a frontage of less than 61 meters, it can be seen that the adjacent site immediately to the east contains a sterilised area, which effectively allows the frontage required by the Dublin County Development Plan 1983. See Drg. No. 90/03/03.
4. The site to the west is occupied by a sister of my

Liam Keogh BSc (Eng) Dip. Struct Eng. A.M.I.Struct.E.



20 JUN 1991  
 REG. SEC. 91A/255

SK 90/03/100.

HOUSE AT TUBBER LANE  
 LUCAN CO DUBLIN FOR  
 MS FIONA CASEY

PLAN SHOWING LOCATION OF  
 EXISTING AND PROPOSED  
 SEPTIC TANK AND PERCOLATION  
 AREAS.

CONSULTING ENGINEERS

CONTRACT <i>HOUSE AT TUBEEZ LANE.</i>	ENGINEER RESPONSIBLE <i>UAM KEOLH.</i>
ARCHITECT <i>UAM KEOLH.</i>	BUILDING REGULATION AUTHORITY
<i>DUBLIN CO. COUNCIL.</i>	RELEVANT BUILDING REGULATIONS AND DESIGN CODES
<i>BS 8110.</i>	INTENDED USE OF STRUCTURE
<i>DOMESTIC DWELLING.</i>	FIRE RESISTANCE REQUIREMENTS
	GENERAL LOADING CONDITIONS
	WIND LOADING CONDITIONS
SPEED FACTORS	EXPOSURE CONDITIONS
<i>MILD.</i>	SUBSOIL CONDITIONS
	FOUNDATION TYPE
	MATERIAL TYPE
<i>GRADE 30N/20 CONCRETE.</i> <i>STEEL GRADE: <math>f_y = 460</math> N/mm<sup>2</sup> HIGH YIELD.</i>	OTHER RELEVANT INFORMATION

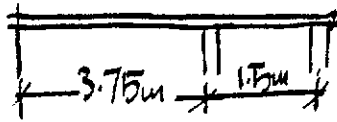
RECEIVED  
 20 JUN 1991  
 REG. SEC. 71A/255

Member  
Ref:

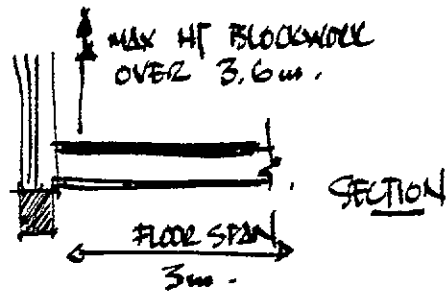
CALCULATIONS

OUTPUT

R.C. BEAM DESIGN.



ELEVATION



SECTION.

CALCULATION OF DESIGN LOADINGS.

DEAD LOAD.

MASONRY : 100 LEAF & PLASTER =  $0.115 \times 20 \times 3.75 = 8.05 \text{ kN/m}$ .  
 215 LEAF =  $0.215 \times 20 \times 3.75 = 15.05 \text{ kN/m}$ .  
 T & G FLOOR + JOISTS =  $0.3 \times 1.5 = 0.45 \text{ kN/m}$ .  
 S.WT BEAM =  $0.4 \times 0.3 \times 24 = 2.88 \text{ kN/m}$ .  
 CEILING =  $0.15 \times 3 = 0.45 \text{ kN/m}$ .  
26.88 kN/m.

IMPOSED LOAD.

DOMESTIC FLOOR LOAD =  $4.5/0 = 1.50 \text{ kN/m}^2$ .  
 $\therefore 1.50 \times 3/2 = 2.25 \text{ kN/m}$ .

ULTIMATE =  $1.4(26.88) + 1.6(2.25) = 41.23 \text{ kN/m}$ .

MAX SPAN = 3.75 m

$\therefore \text{B.M.} = 41.23 \times 3.75^2 / 8 = 72.5 \text{ kNm}$ .

Member Ref:

CALCULATIONS

OUTPUT

BEAM  $h = 300$   $\therefore d = 300 - 35 - 8 = 257$  mm.

$$k = \frac{d}{l^2 f_{ck}} = \frac{257 \times 10^6}{400 \times 257^2 \times 30} = 0.09.$$

$$3/d = 0.885.$$

$$A_s = \frac{72.5 \times 10^6}{400 \cdot 2 \times 0.885 \times 257} = 714 \text{ mm}^2.$$

USE 4 NO 216'S TOP & BOTTOM. ( $A_s \text{ prov} = 805 \text{ mm}^2$ ).

SHEAR  $\therefore v = \frac{41.23 \times 3.75}{2} = 77 \text{ kN}.$

$$100 \frac{A_s}{bd} = \frac{80500}{400 \times 257} = 0.78.$$

$$\therefore v_c = 0.71 \text{ N/mm}^2.$$

$$v = \frac{V}{bd} = \frac{77 \times 10^3}{400 \times 257} = 0.75 \text{ N/mm}^2.$$

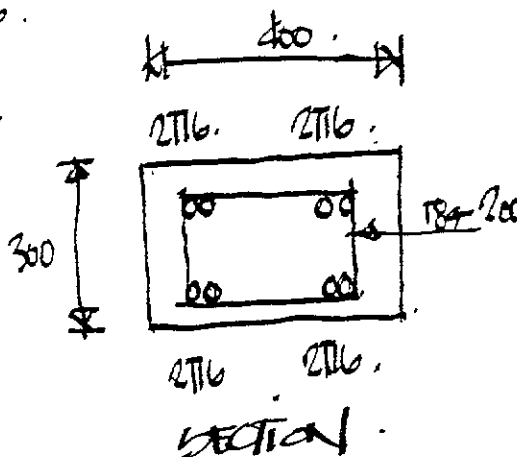
$$\therefore \frac{A_{sv}}{S_v} = \frac{0.4 \times 400}{400 \cdot 2} = 0.4.$$

T8'S AT 250 CES.  $\frac{A_{sv}}{S_v} = \frac{101}{250} = 0.404.$

$0.75 d = 257 \times 0.75 = 192$   $\therefore$  PROVIDE LINKS AT 200 CES.

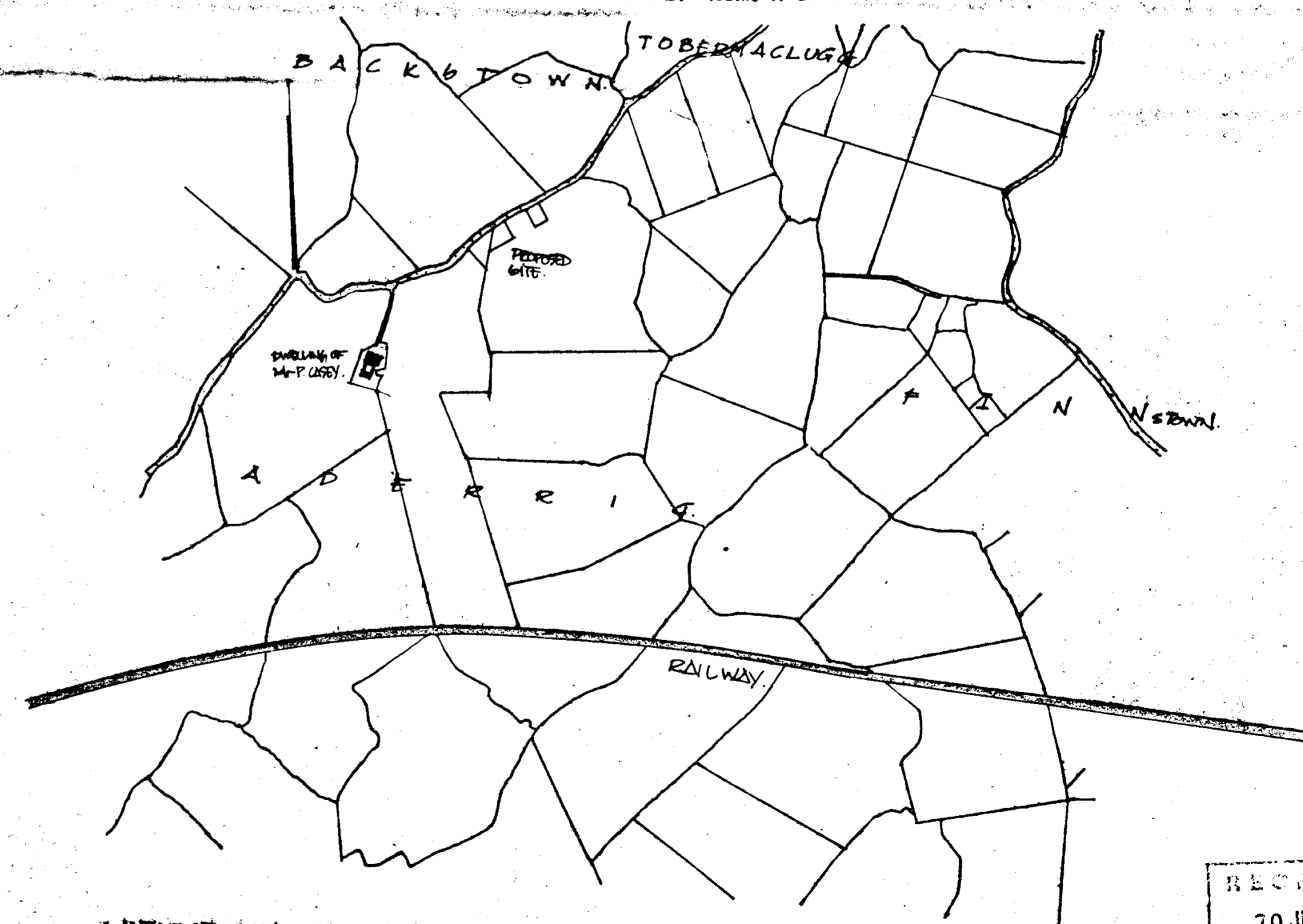
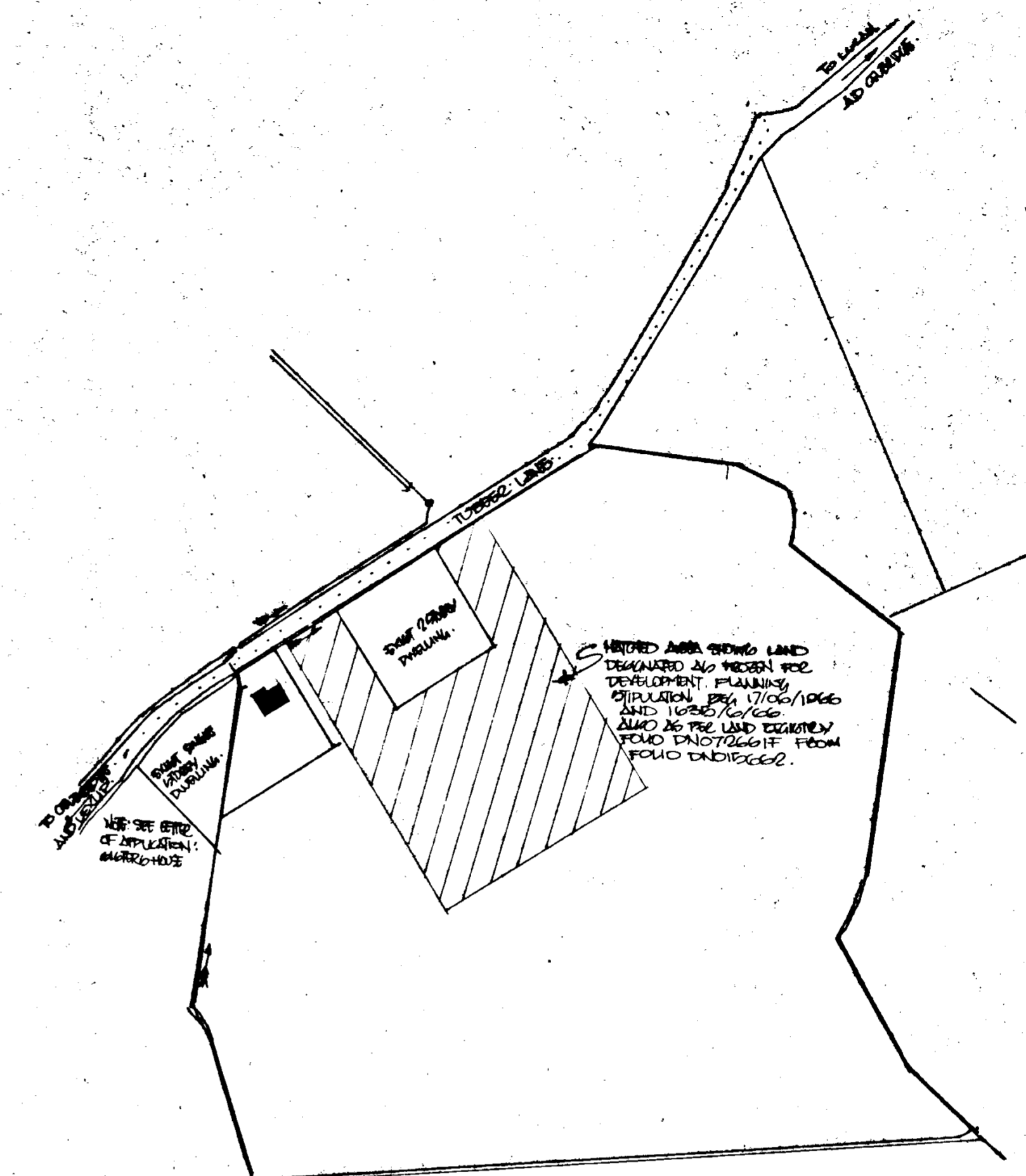
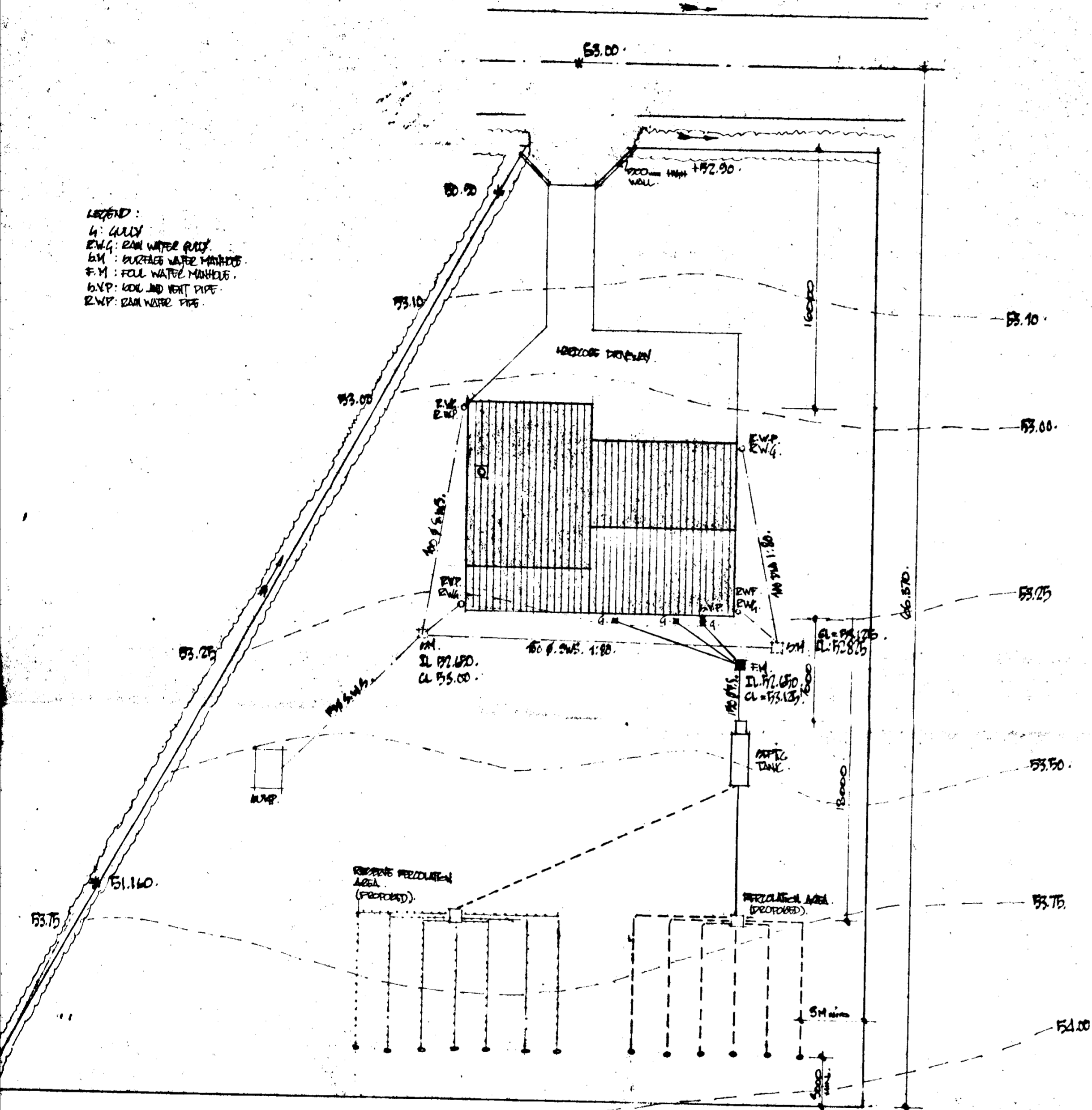
DEFLECTION  $\frac{5770}{257} = 14.6.$

ALLOWABLE = 20  $\therefore$  OK.

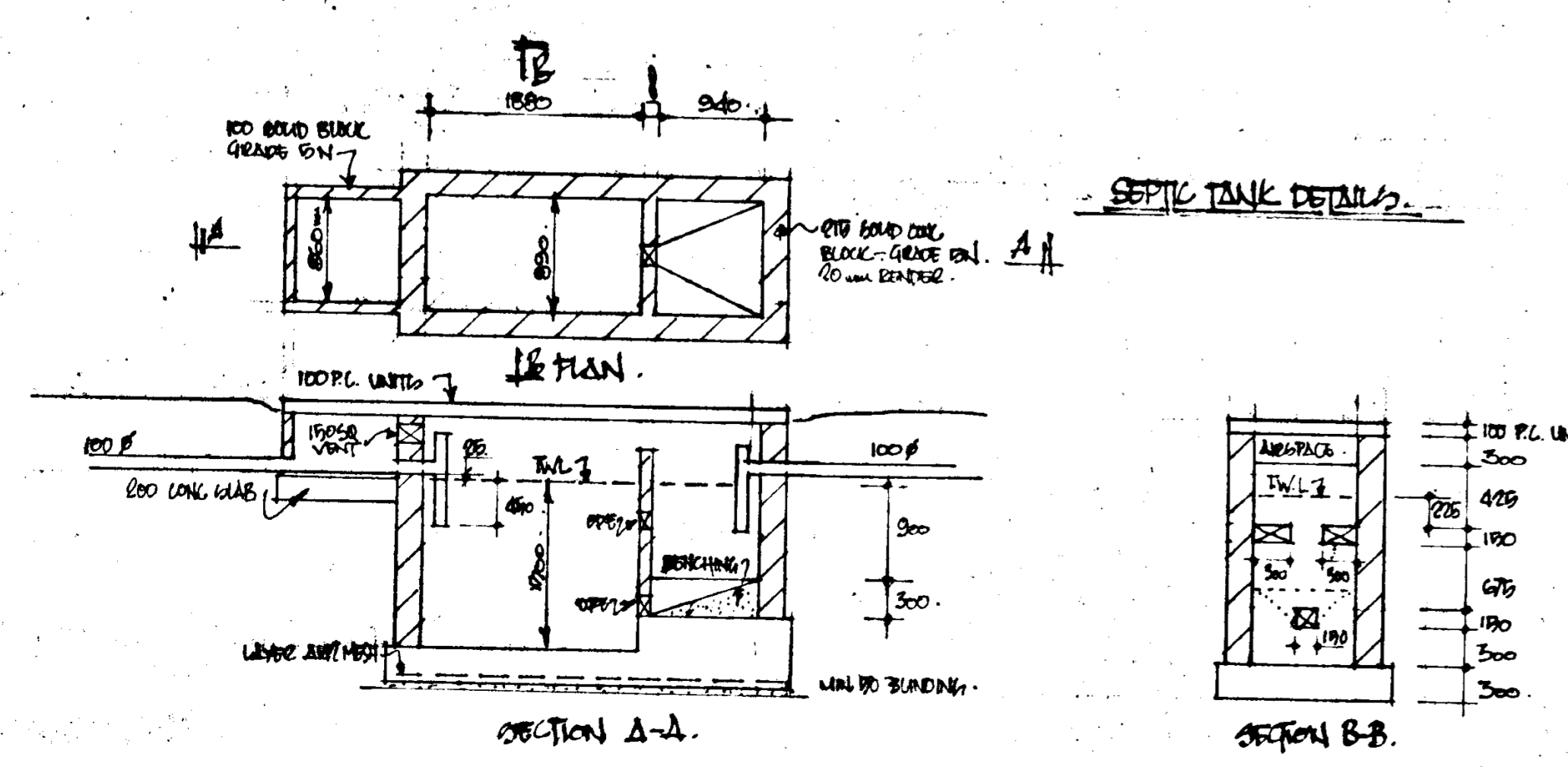




LEGEND:  
 L: Gully  
 EW: Rain Water Pipe  
 SW: Surface Water Manhole  
 FM: Full Water Manhole  
 WVP: Cold and Vent Pipe  
 RWP: Rain Water Pipe

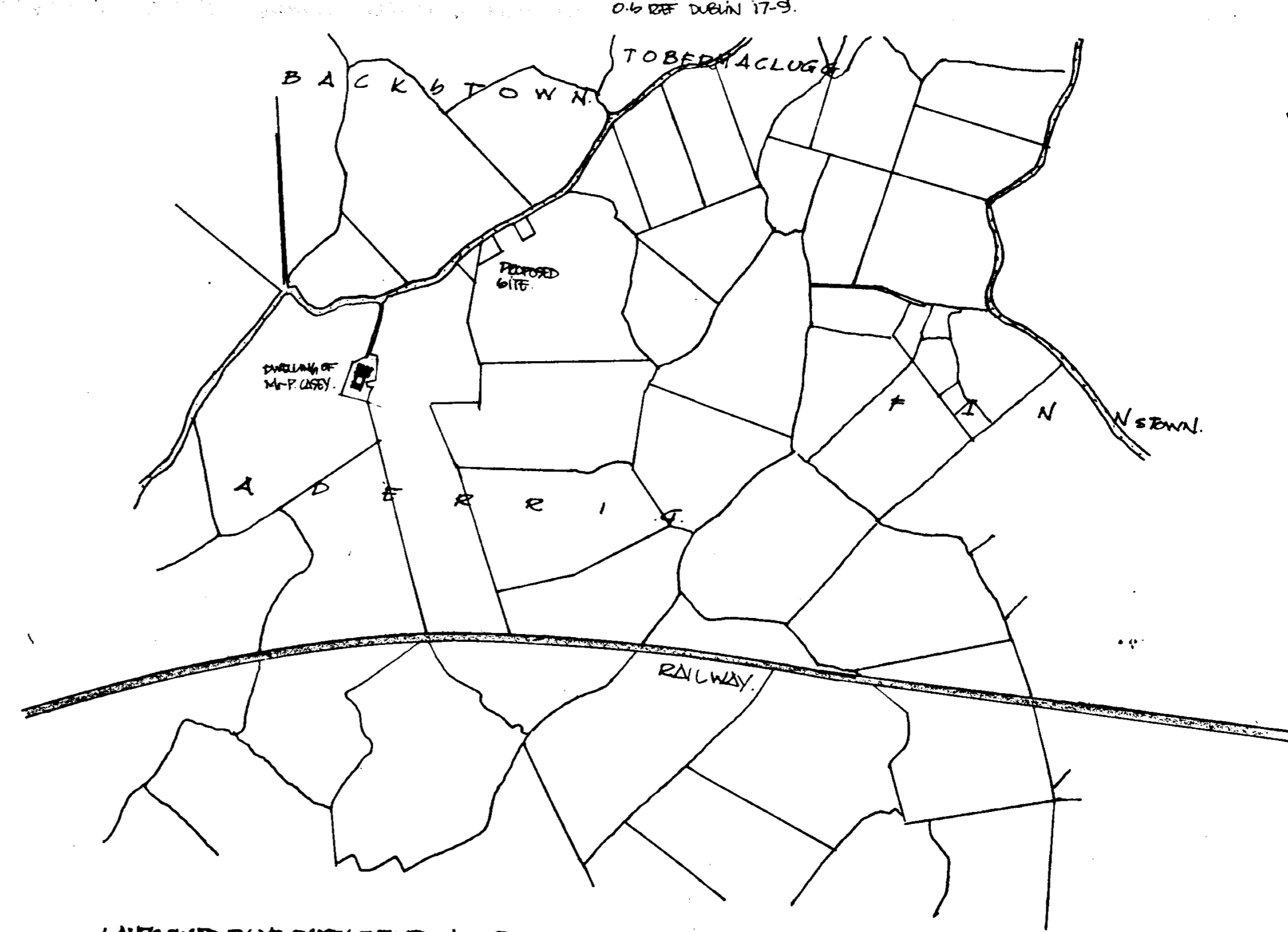
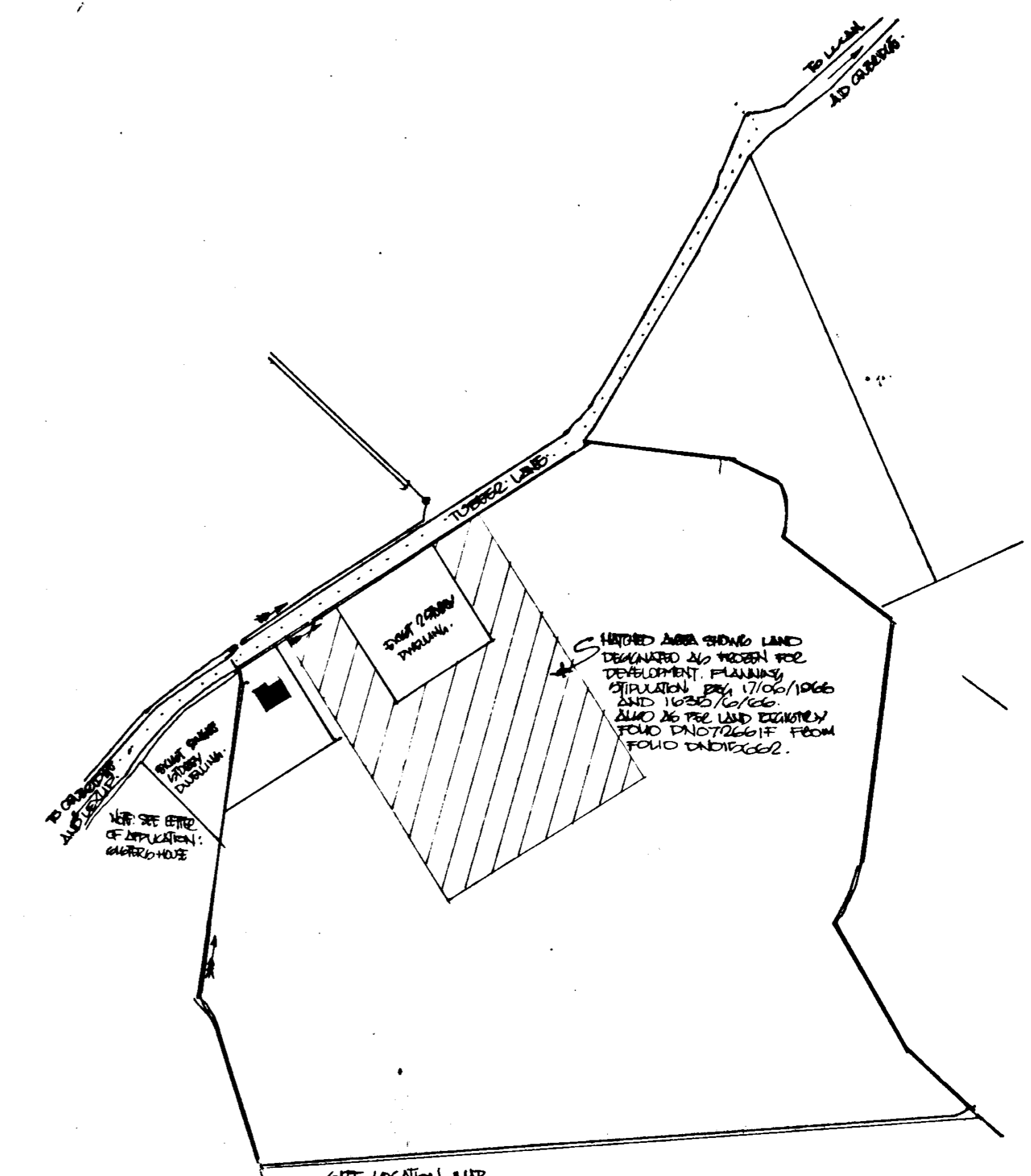
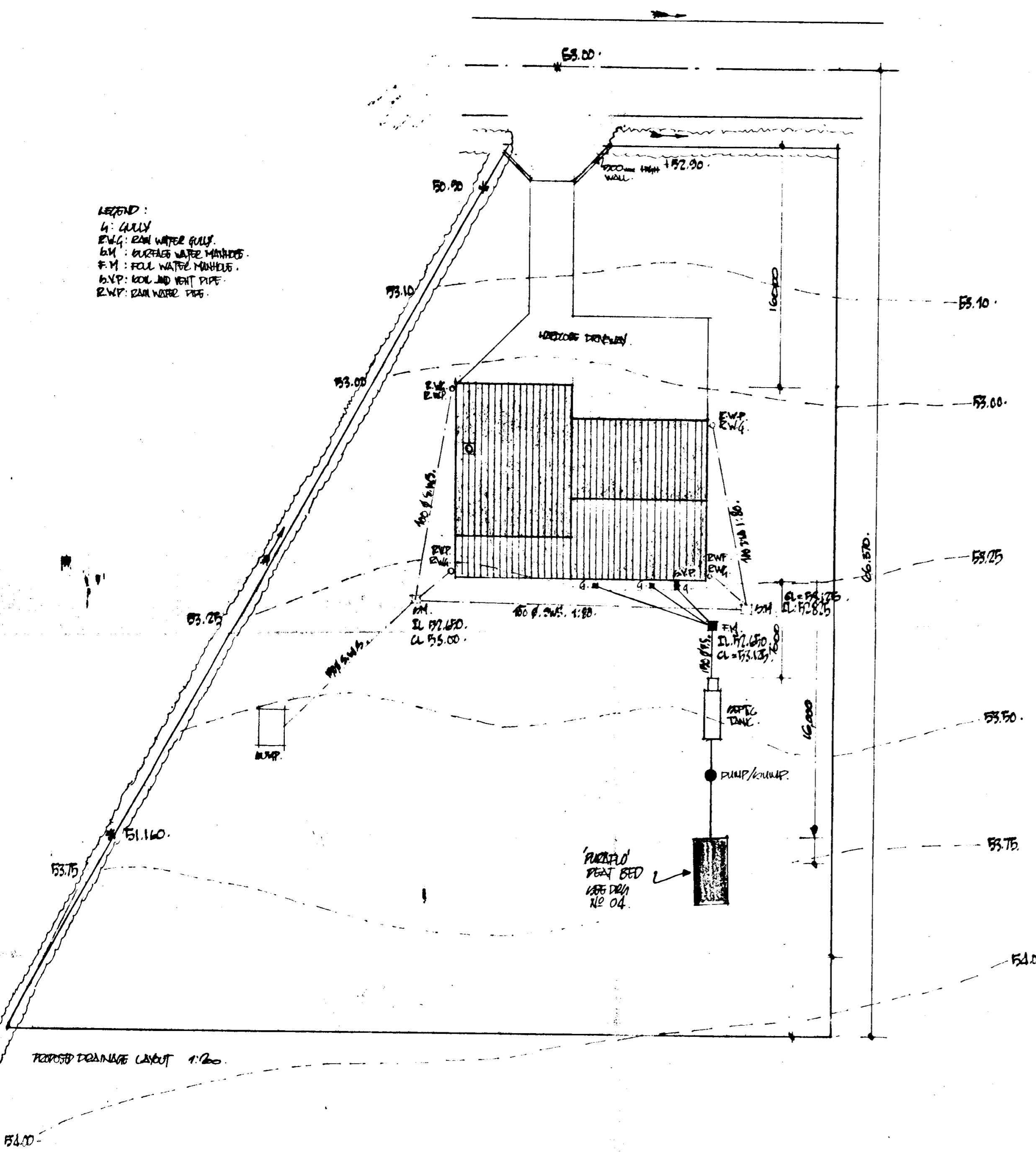


RECORDED  
 20 JUN 1991  
 P/W SEC. 9/1/255



OWN A. SEPTIC TANK PLAN. APPRO. QUANTITY ADDED. JUNE 91.  
 HOUSE AT TOBERMORRIS, LUCAN CO. DUBLIN FOR MR. JOHN CASEY.  
 SITE LOCATION MAP AND SITE PLAN WITH DRAINAGE LAYOUT.  
 ARCHITECT: LAMBERT & CO. LUCAN CO. DUBLIN.  
 SCALE: 1:2000 DATE: JUN 91. DRAWING NO: 90/03/03A.

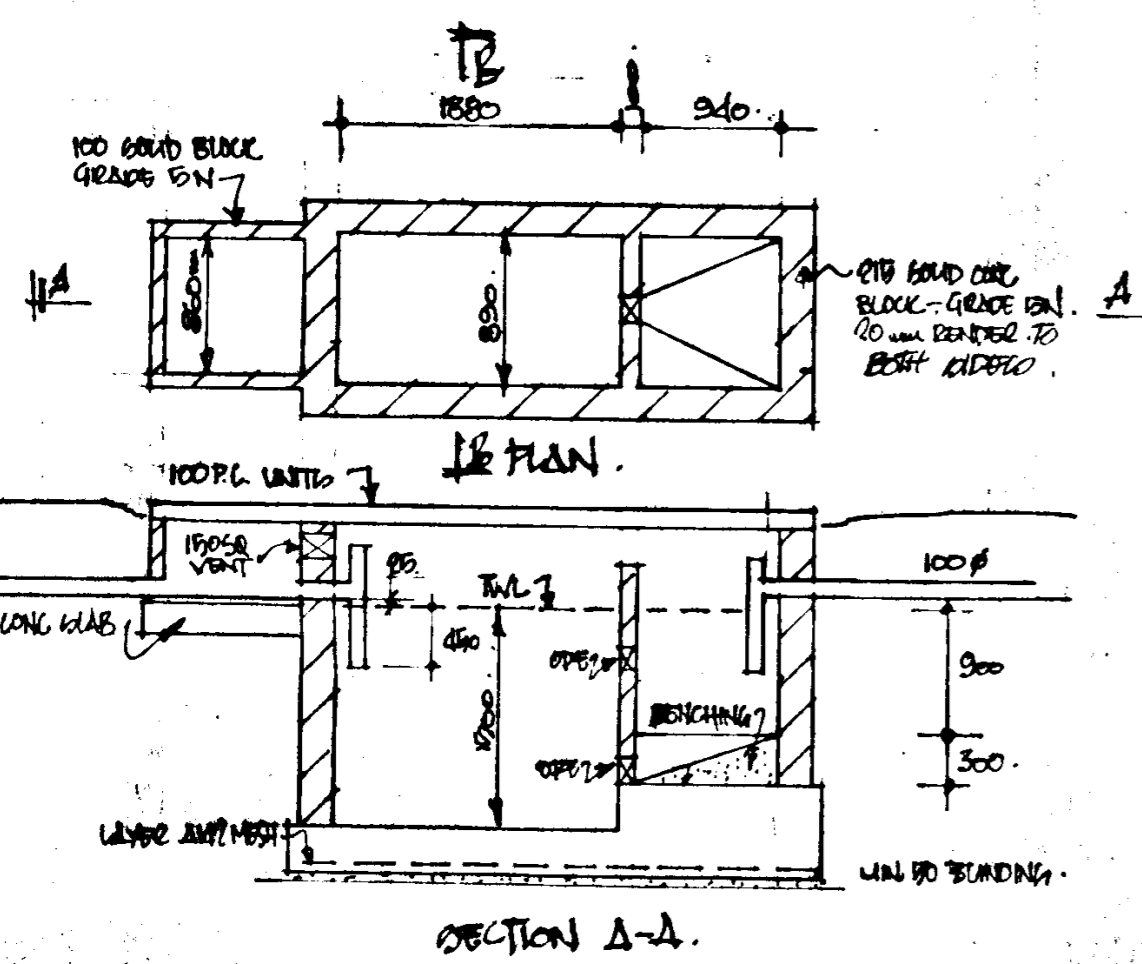
LEGEND:  
 L: LULLY  
 E.W.: RAW WATER GULLY  
 S.W.: SURFACE WATER MANHOLE  
 F.M.: FOLL WATER MANHOLE  
 S.V.P.: SOIL AND VENT PIPE  
 S.W.P.: RAW WATER PIPE



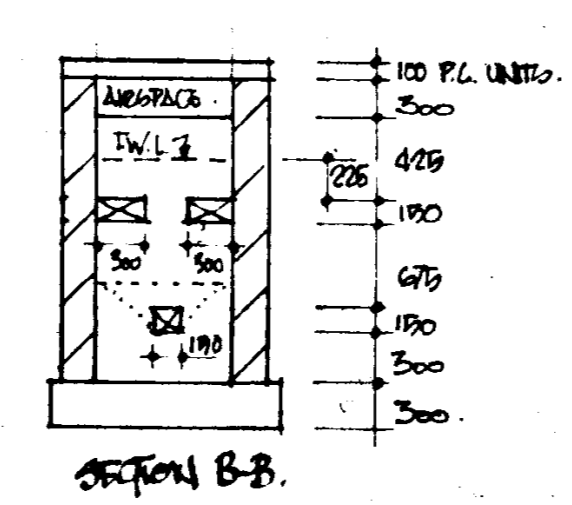
DUBLIN COUNTY COUNCIL  
 Planning Dept. Planning Officer  
 APPLICATION NO. 17-91  
 - 6 NOV 1991  
 REF. No. 91/1058

LAND OWNED BY MR. CASEY OUTLINED IN BLUE

DEV B - EFFLUENT TREATMENT ALLOWED BY 'PACKED PEAT BED' OCT 91.  
 DEV A - SEPTIC TANK SYSTEM APPROVED. CHANGING APPROVED. JUNE 91.  
 HOUSE AT TOBERACLOGH, LULLY CO. DUBLIN FOR MR. FINN CASEY.  
 SITE LOCATION MAP AND SITE PLAN WITH DRAINAGE LAYOUT.  
 DRAWN BY: MR. J. J. O'NEILL, CIVIL ENGINEER, LULLY CO. DUBLIN.  
 SCALE: 1/2000 DATE: JAN 91 DRAWING NO: 90/03/03



SEPTIC TANK DETAILS



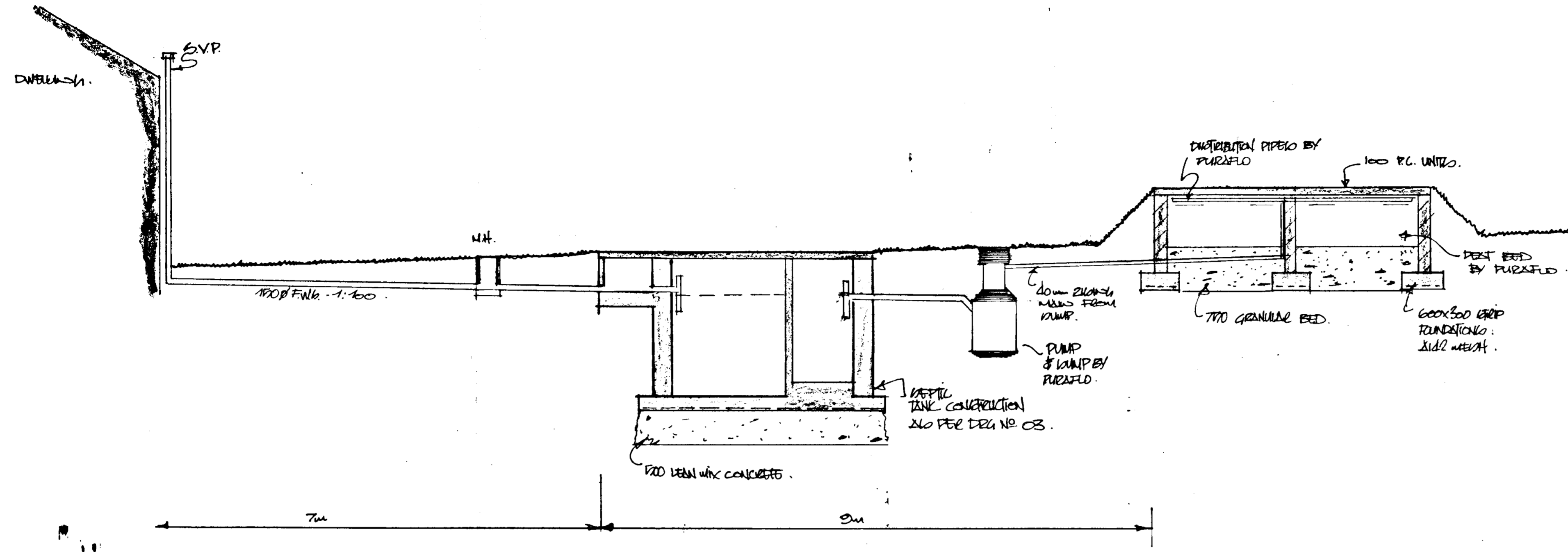
**NOTES**

**CONCRETE:**

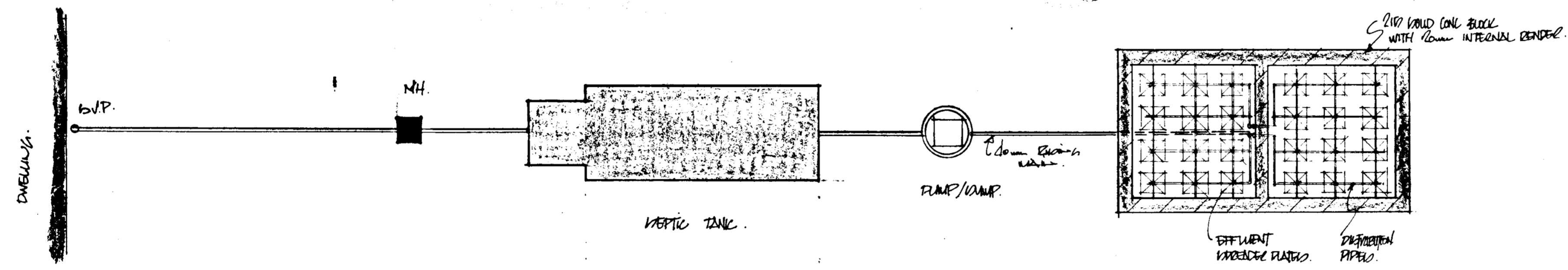
1. CONCRETE TO BE GRADE \_\_\_\_\_ N
2. MAX. AGGREGATE SIZE \_\_\_\_\_ mm
3. MIN. CEMENT CONTENT \_\_\_\_\_ Kg/m<sup>3</sup>
4. REINFORCEMENT TO BE EITHER:
  - (i) MILD STEEL ROUND BARS, fy = 250 N/mm<sup>2</sup>(R)
  - (ii) HIGH YIELD DEFORMED BARS, fy = 460 N/mm<sup>2</sup>(T)
5. COVER TO BE AS SPECIFIED
6. ENGINEER TO BE GIVEN MIN. 24 HOURS NOTICE FOR INSPECTION PRIOR TO POURING OF CONCRETE

**STEELWORK:**

1. STEELWORK TO BE GRADE \_\_\_\_\_
2. BOLTS TO BE GRADE \_\_\_\_\_ U.O.N.
3. ALL WELDS 6mm FILLET ALL ROUND U.O.N.
4. SHOP FABRICATION DRAWINGS TO BE APPROVED BY ENGINEER PRIOR TO FABRICATION



SECTION - 1:10

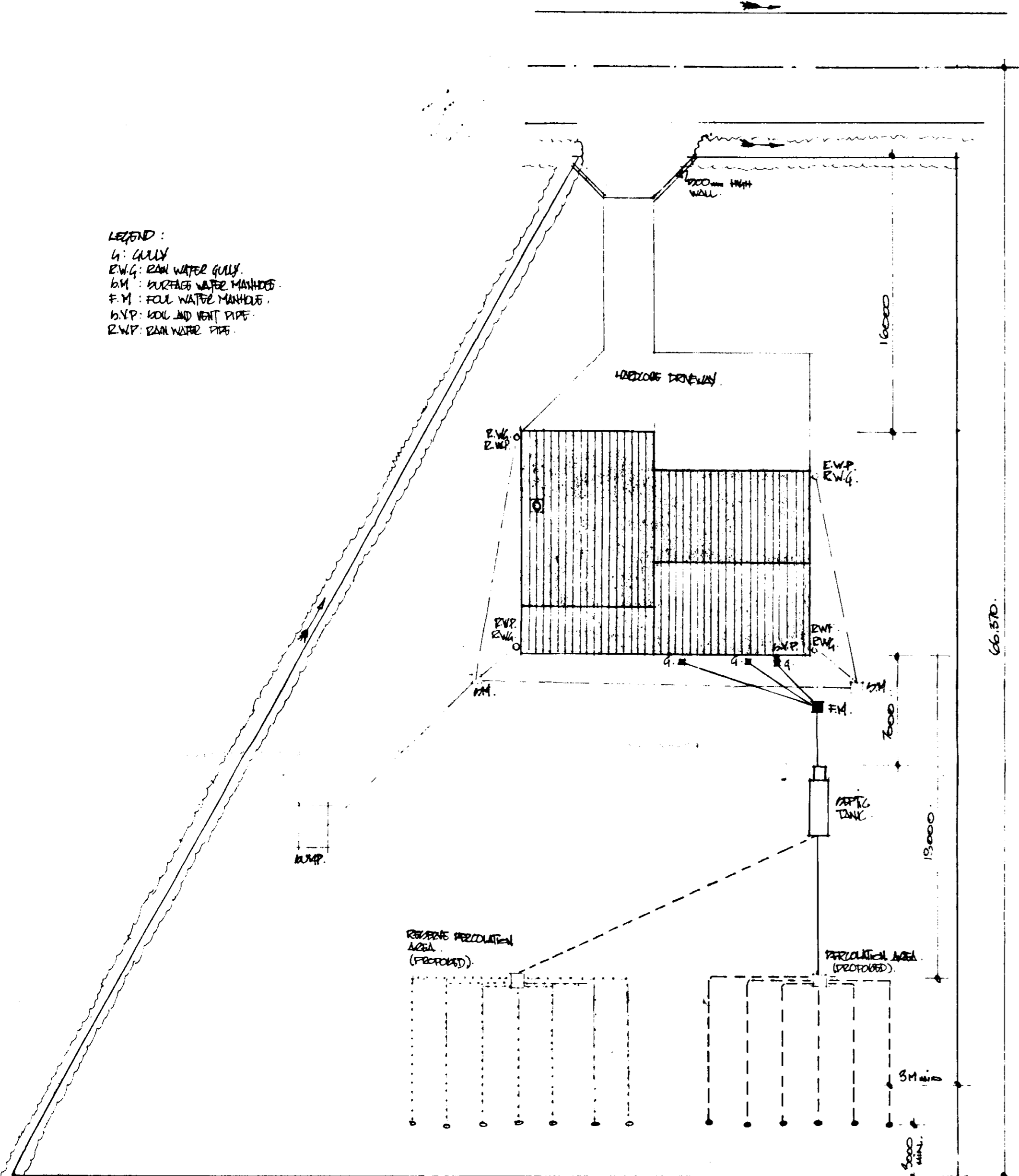


PLAN 1:100

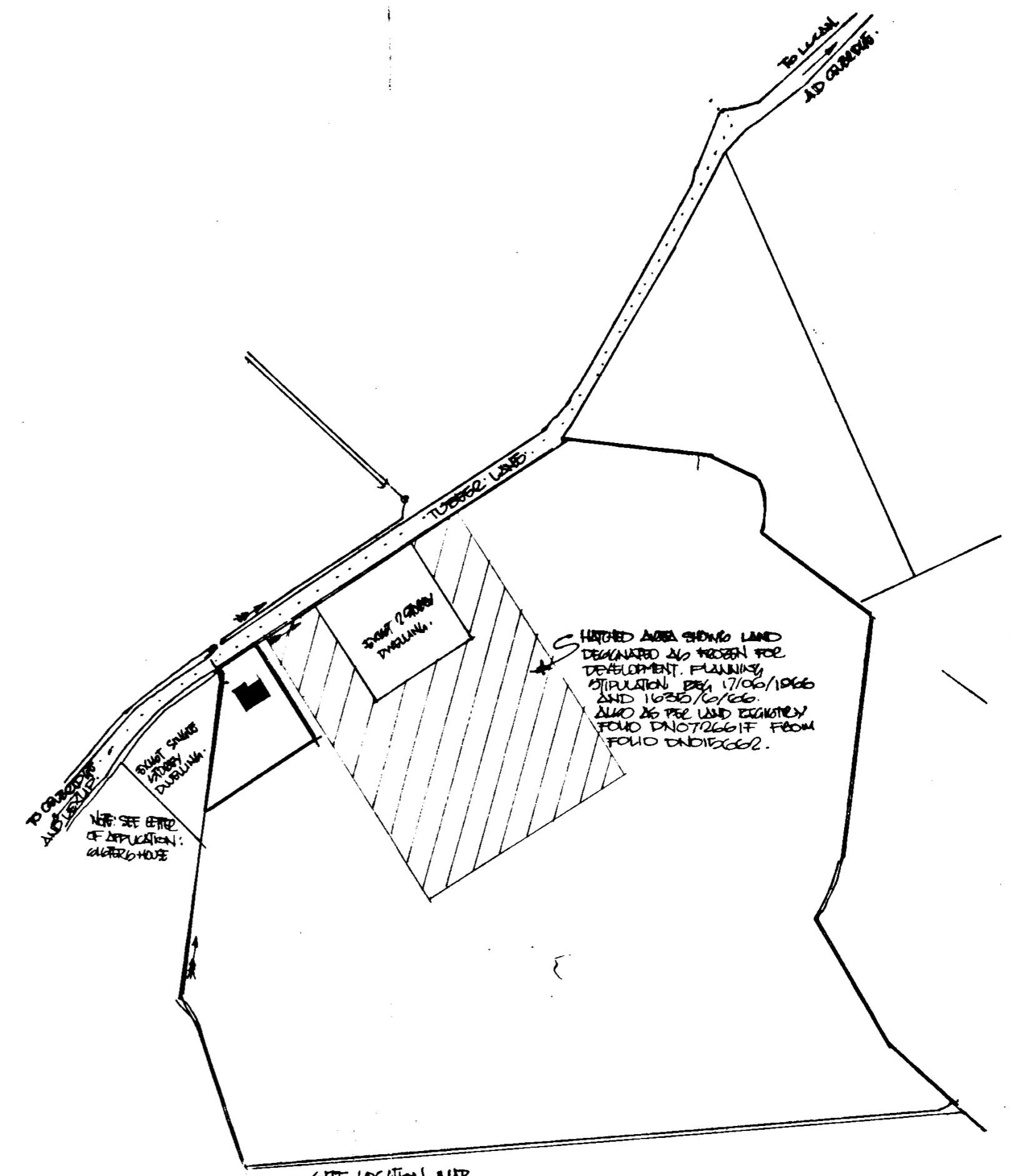
DUBLIN COUNTY COUNCIL  
 Planning Dept. Registry Section  
 APPLICATION RECEIVED  
 - 6 NOV 1991  
 REC No. ...

REVISION	DESCRIPTION	DATE
TITLE		JOB NO
EFFLUENT TREATMENT SYSTEM		90/03/
JOB	ARCHITECT	DRAWING NO
HOUSE AT TUBBER LANE FOR MR & MRS CASEY	WILLIAMS & WATSON LUCAN CO DUBLIN	04
DATE	CHECKED	DRAWN
01/01		
		SCALE
		1:100

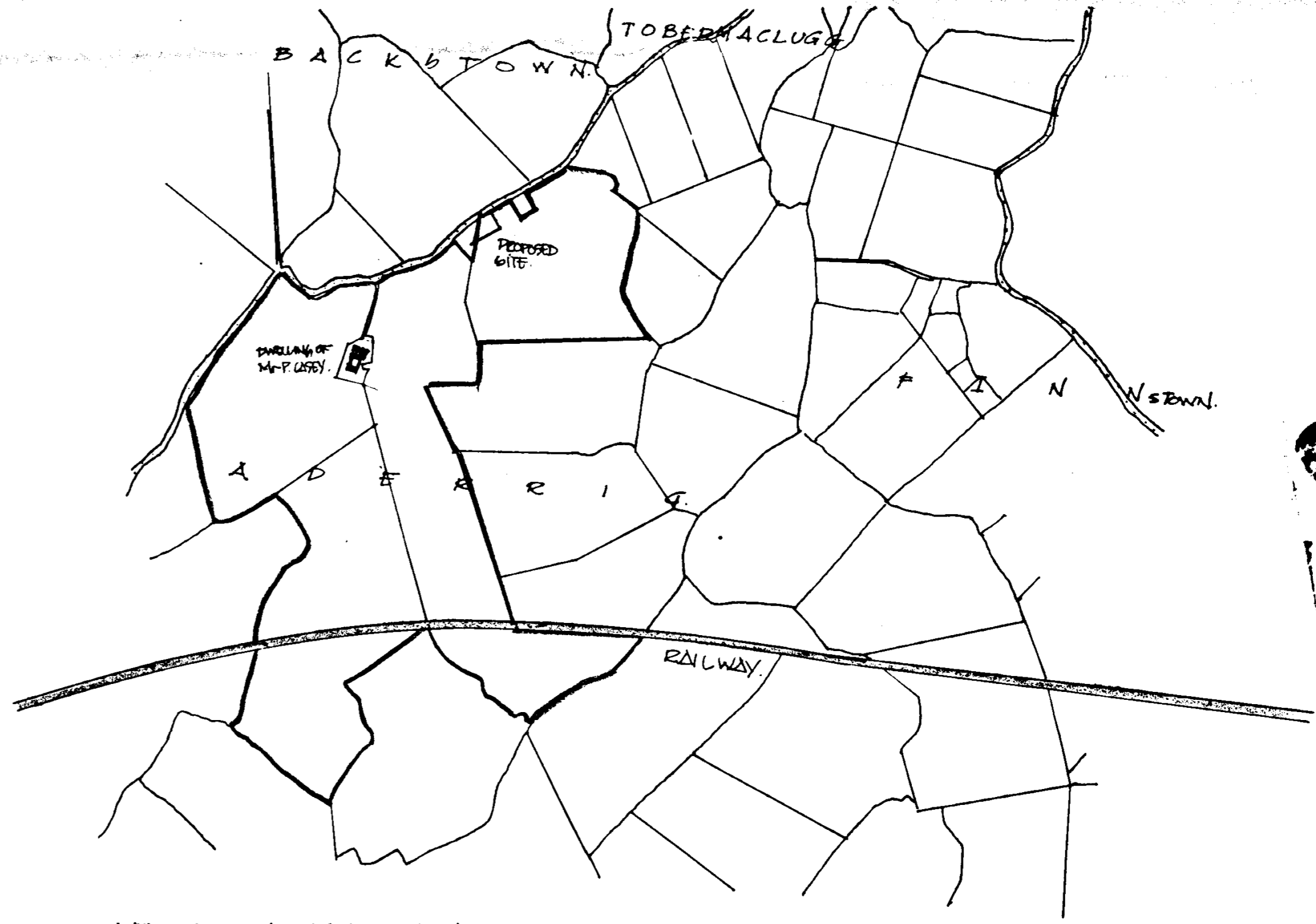
LEGEND:  
 G: Gully  
 E.W.: SAN WATER GULLY  
 B.M.: FLOOR WATER MANHOLE  
 F.M.: FLOOR WATER MANHOLE  
 B.V.P.: ROLL AND VENT PIPE  
 R.W.P.: SAN WATER PIPE



PROPOSED DRAINAGE LAYOUT 1/200



GITE LOCATION MAP  
 SCALE 1/21000  
 O.B. REF. XRAIN 17-9

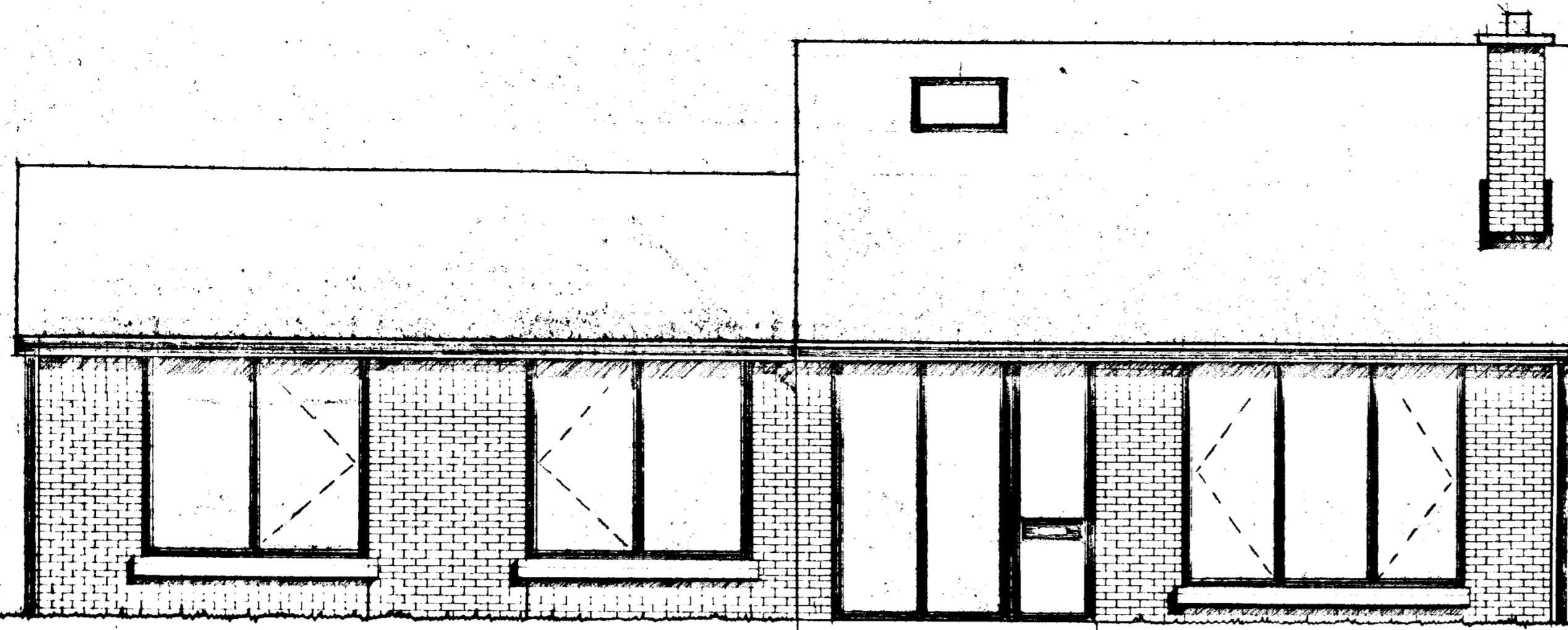
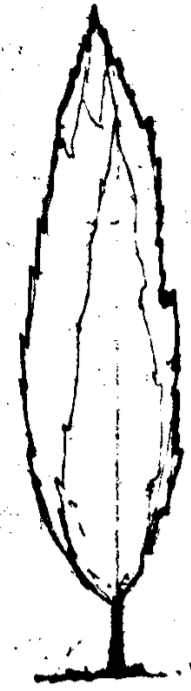


LANDS OWNED BY MR. ROSSY OUTLINED IN BLUE

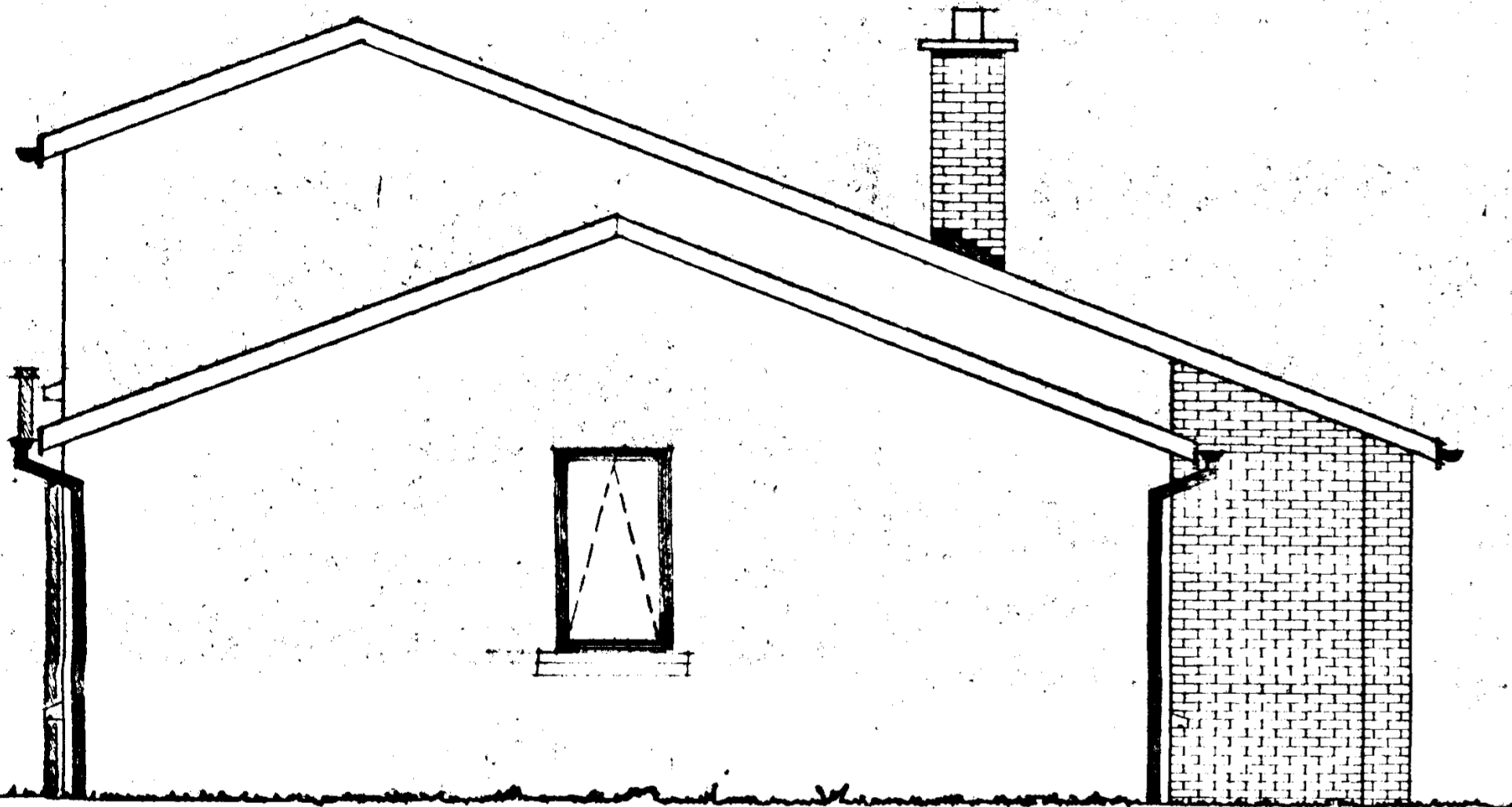
REGISTRY SECTION  
 APPLICATION RECEIVED  
 22 FEB 1991  
 REG. NO. 9114/025  
 APPLICATION TYPE UP AND  
 N.S.

HOUSE AT TOBERMORUE, LUCAN CO. DUBLIN FOR MR. FINA CASSY.  
 GITE LOCATION MAP AND GITE PLAN WITH DRAINAGE LAYOUT.  
 ARCHITECT: LARRY KEENE 22 LUCAN, CO. DUBLIN  
 SCALE: 1/200 DATE: JAN 91 PLAN NO: 90/03/03

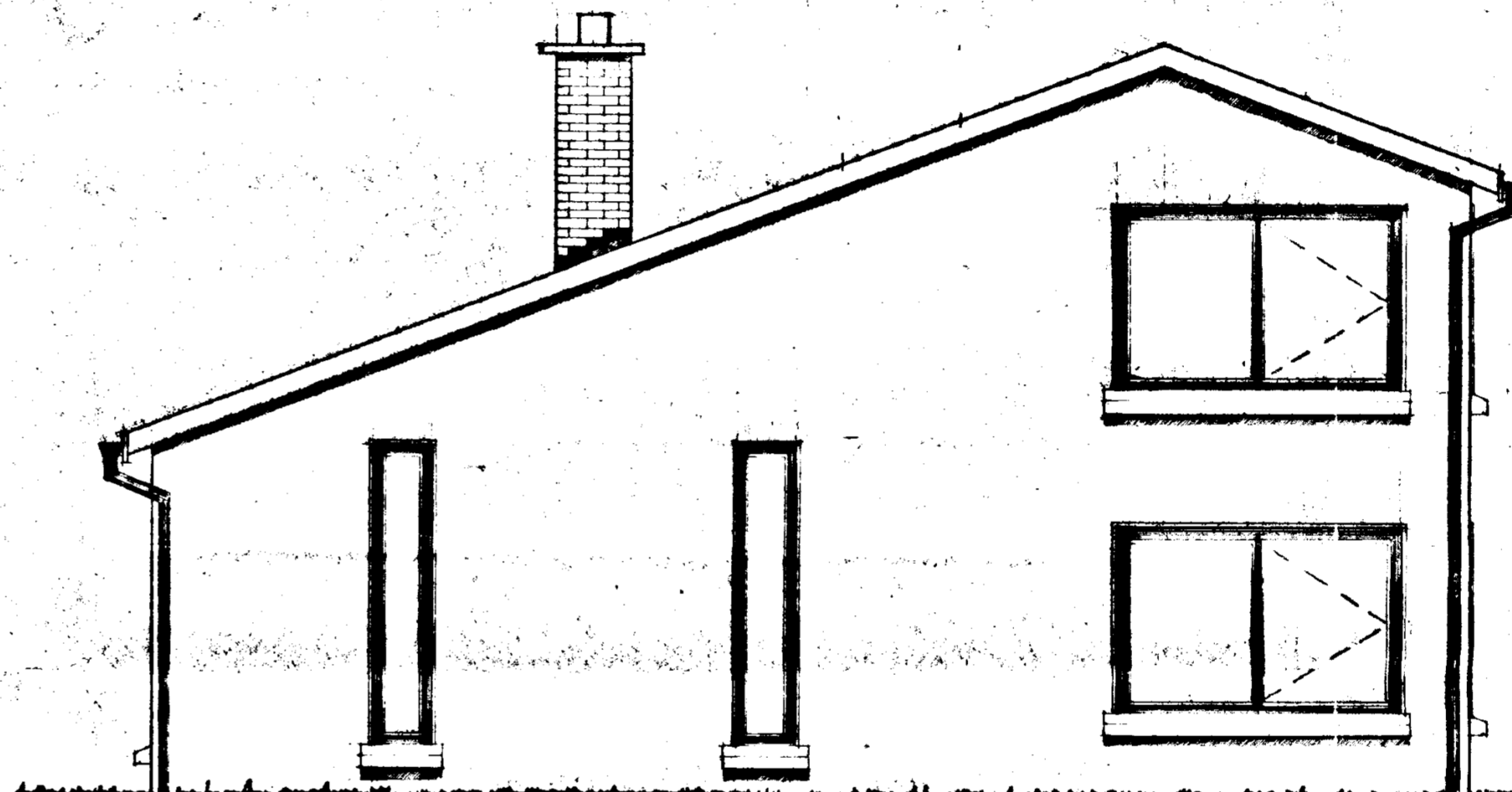




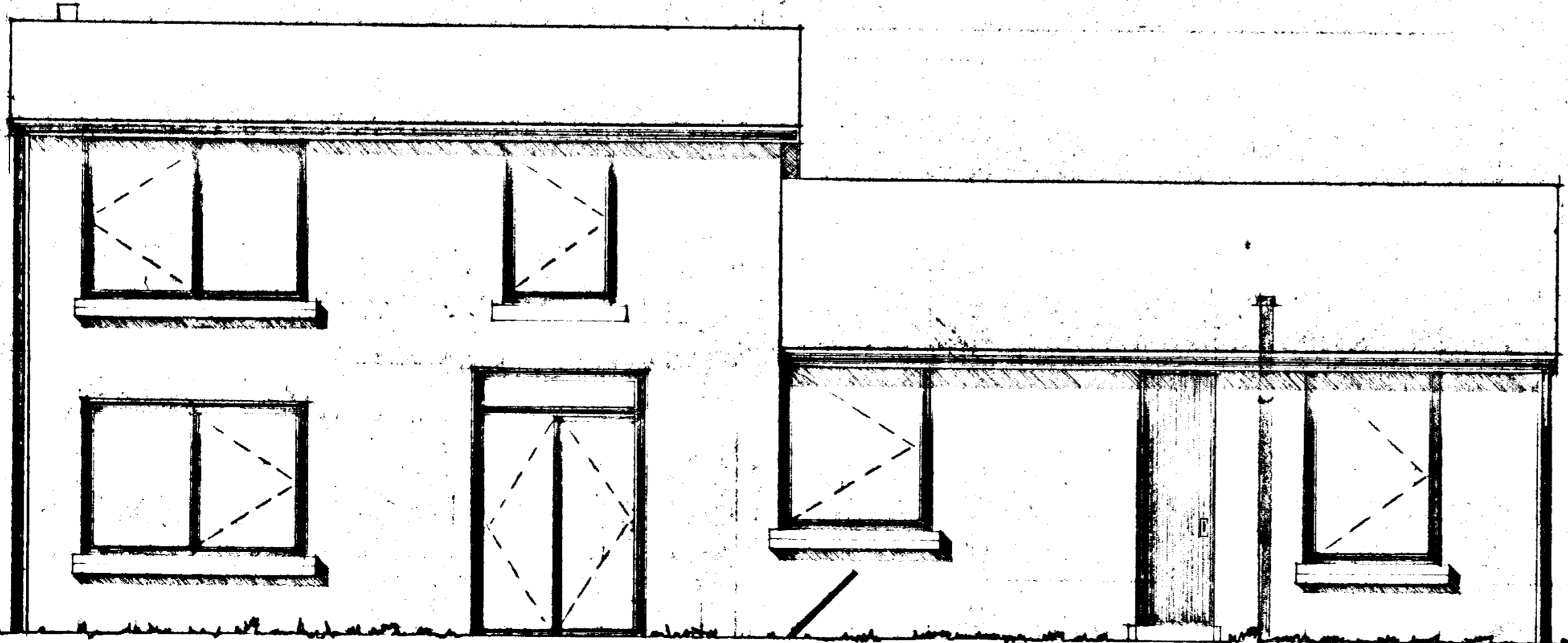
FRONT ELEVATION



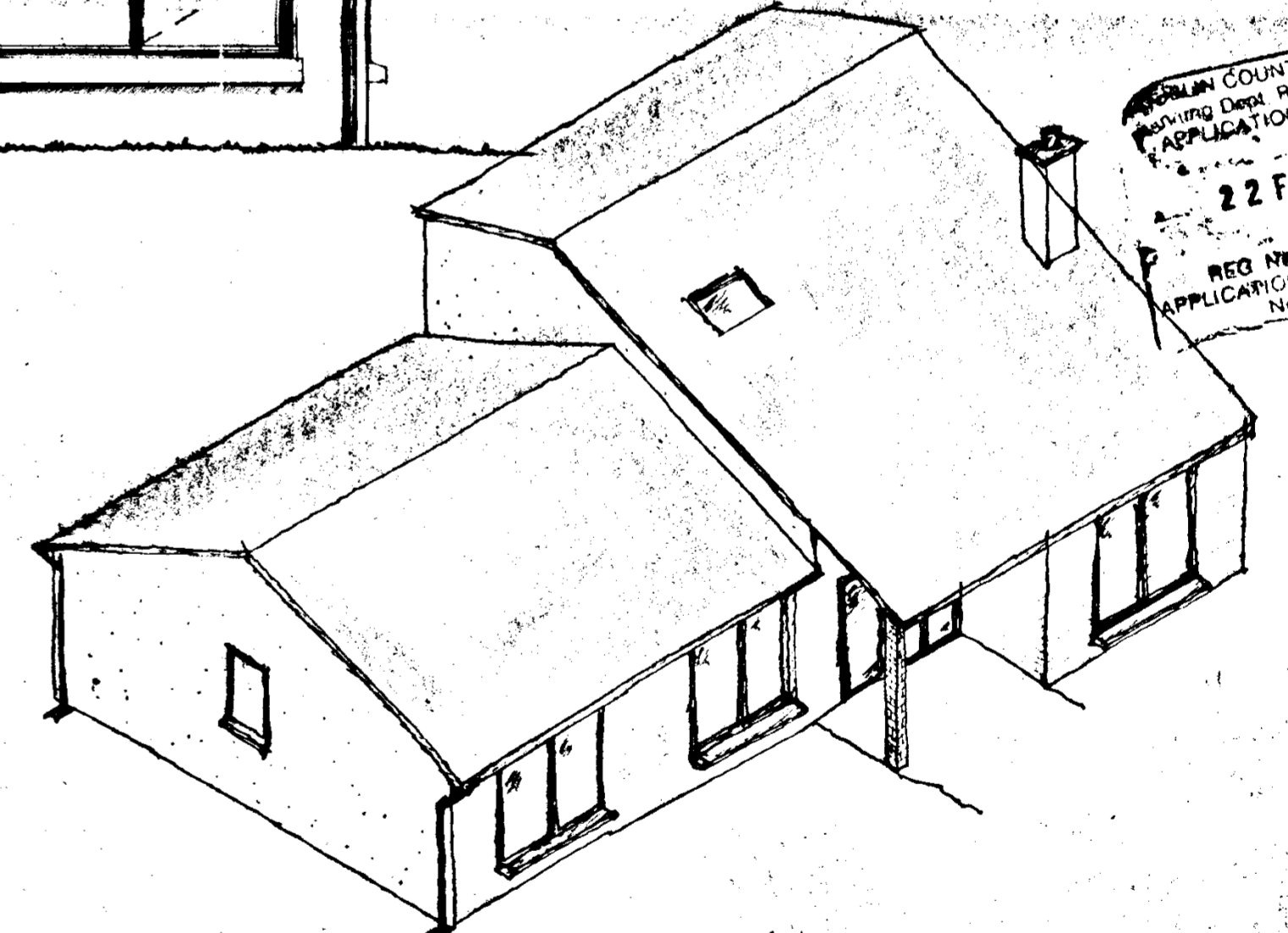
SIDE ELEVATION



SIDE ELEVATION



REAR ELEVATION



DUBLIN COUNTY COUNCIL  
Planning Dept. Regulatory Section  
APPLICATION RECEIVED  
22 FEB 1991  
REG NO. 414/025  
APPLICATION TYPE (D/P/A/S/E)  
NO. L.B.S.

NOTES

CONCRETE

1. CONCRETE TO BE GRADE C20 N
2. MAX. AGGREGATE SIZE 20 mm
3. MIN. CEMENT CONTENT 300 Kg/m<sup>3</sup>
4. REINFORCEMENT TO BE EITHER:  
(i) MILD STEEL ROUND BARS, fy = 250 N/mm<sup>2</sup>(R)  
(ii) HIGH YIELD DEFORMED BARS, fy = 460 N/mm<sup>2</sup>(T)
5. COVER TO BE AS SPECIFIED
6. ENGINEER TO BE GIVEN MIN. 24 HOURS NOTICE FOR INSPECTION PRIOR TO POURING OF CONCRETE

STEELWORK

1. STEELWORK TO BE GRADE S275
2. BOLTS TO BE GRADE S8.8 U.O.N.
3. ALL WELDS 6mm FILLET ALL ROUND U.O.N.
4. SHOP FABRICATION DRAWINGS TO BE APPROVED BY ENGINEER PRIOR TO FABRICATION.

REVISION	DESCRIPTION	DATE
<p>CONSULTING ENGINEERS</p>		
<p>TITLE ELEVATIONS</p>		<p>JOB NO. 20/03</p>
<p>JOB HOUSE AT DOBBER LAKE, LUCAN CO. DUBLIN FOR MR. FRANK CASEY</p>		<p>ARCHITECT Liam Kelly</p>
<p>DATE 2nd 91</p>	<p>CHECKED U.</p>	<p>DRAWN U.</p>
		<p>SCALE 1:70</p>

