

Po / SAO

Re: 91A/0808.

① Sanitary Services Special Levy
£165 ^{per site} Conditional on site
to North under 86A/1192.
This Special Levy was
not conditioned on
outline permission granted
under 86A/469. Sanitary
Services report on file
states "Insufficient information"
and does not request a
financial contribution.

② Road Levy of £1420.
No Road report on file
However the sum of
£1420 contributed in
the local area.

9/8/91

FILE MEMO - REG. REF. NO. 9/A 808

See Draft Report on this Application prepared 11/7/91
in Cabinet.

COMHAIRLE CHONTAE ATHA CLIATH

DUBLIN COUNTY COUNCIL

REGISTRY SECTION,
PLANNING DEPARTMENT,
IRISH LIFE CENTRE,
LOWER ABBEY ST.,
DUBLIN 1.

30.5.91

Mr. J. Carson,
Senior Staff Officer,
Building Control Dept.,
Liffey House,
Tara St.

Please note that on 29.5.91 all outstanding fees were paid on file Number/s

9/A/808

STAFF OFFICER,

BYE LAW APPLICATION FEES

REF. NO.: 91A/0808 CERTIFICATE NO.: 1506
 PROPOSAL: Bungalow
 LOCATION: 1 Fle Crescent Ucan
 APPLICANT: A. McDermack

	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>£50</u>	<u>£5.00</u>	<u>£5 paid 29/5/91</u>	
B	Domestic Ext. (Improvement/Plts.)	@ £30				<u>N 39489</u>	
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 foregoing 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: 2.0 Date: 22/5/91
 Columns 2,3,4,5,6 & 7 Endorsed: Signed: _____ Grade: _____ Date: _____

COMHAIRLE CHONTAE ATHA CLIATH

DUBLIN COUNTY COUNCIL

INCORRECT FEE WITH BYE LAW APPLICATION

TELEPHONE: 724755

EXTENSION: 231/234

FAX.: 724896

PLANNING DEPARTMENT,

IRISH LIFE CENTRE,

LOWER ABBEY STREET,

DUBLIN 1.

R. F. MacDonnell,

Clonross,

Blanchardstown,

Co. Dublin.

25/5/91

REG. REF.:

91A/0808

RE:

Bungalow at 1 The Crescent, Lucan, for I. McCormack.

Dear Sir/Madam,

I refer to your application for Bye Law approval in respect of the above proposal. I wish to inform you that the Planning Authority will not commence to consider the application until the appropriate fee is paid. If no fee or a fee less than the appropriate fee has been received by the County Council on the expiration of two months, commencing on the day the application is received, the application will be regarded as having been withdrawn.

The correct fee for the above mentioned application is £ ~~55.00~~
Please quote the Register Reference No. stated above when submitting the fee.

AMOUNT LODGED = £50.00

AMOUNT DUE = £ 5.00

Yours faithfully,



for PRINCIPAL OFFICER

1) Date Lodged
17.5.91

LOCATION: No. 1, The Crescent, Lucan REG. REF. 91A/808
APPLICANT: T. McCormack
PROPOSAL: Split level bungalow at rear.

WATER SUPPLY

Water available. 24 hrs storage required. All connections to be covered out by D.C.C. at applicants expense. (See previous report by B McKown dated 12/7/91 attached)

John O'Connell
3/10/91

P. Howell
8/10/91

ENDORSED: *[Signature]* DATE 24/10/91

PLANNING DEPT.
DEVELOPMENT CONTROL SECT
Date 30.10.91
Time 1.00

1) Date Lodged

17-5-91

LOCATION: No. 1 The Crescent, Luca REG. REF. 91A/808

APPLICANT: T. McCormack

PROPOSAL: Split level bungalow at rear

WATER SUPPLY

Water available
 Separate supply required
 all connections etc to be carried out
 by Dublin City at applicants expense
 applicant to consult with Water Division
 regarding connection point to public main

S. McKean
21/6/91

PLANNING DEPT.
 DEVELOPMENT CONTROL SECT

Date 25.09.91

Time 9.00

ENDORSED: [Signature] DATE 13/9/91

may 9.

(1) Date Lodged
17.5.91

LOCATION: No 1 The Crescent Luan REG. REF. 91A/808

APPLICANT: T. McCormack

PROPOSAL: Split level bungalow at rear

(2) Date Referred:

SEWER

Available subject to the following;

- ① The interception of the drain being made on the Northern Boundary of the site.
- ② Provision being made to connect an existing connection to the N.W. of the site and equalised
- ③ The gradients being carried along the Eastern boundary and the Southern boundary.

DUBLIN Co. COUNCIL Sub. Ser.
31 MAY 1991
(4) Dispatched from SANITARY Services.

SANITARY
24 SEP 1991
(5) Returned to Planning

SEWER

Sump proposal refer to B.B.C. dept.

The sumps should be moved down the slope to within 5m of the public road.

A design for the sumps should be submitted to B.B.C. dept. with the base of the sumps located below the road level. (300mm).

(6) Date to Planner

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

(8) D.P.O. report submitted to B.B.C.

PLANNING DEPT.
DEVELOPMENT CONTROL SECT
25.09.91
9.00

Handwritten signature
11.9.91

Handwritten initials
13/9/91

Decision due:

ENDORSED _____ DATE _____

Mary Galvin

PLANNING DEPARTMENT

BOOK FOLIO

(1) Date Lodged

LOCATION:

No. 1, The Crescent, Luca

REG. REF.

91A/808

17.5.91

APPLICANT:

T. McCormack

PROPOSAL:

Split level bungalow at rear

(2) Date Referred:

SEWER

Available - subject to Notes 1 & 2 below

DUBLIN CO. COUNCIL

(3) Rec'd San. Ser

27 SEP 1991

NOTE: 1 Site is subject to a special Levy of £200 (Sha Hotel Pumping Station)

2 Before work commences on site applicant must obtain permission from the owner(s) of the drain to divert it & to connect to it.

SANITARY SERVICES
DUBLIN CO. COUNCIL

29 OCT 1991

Returned to Planning

FACE WATER

Soak pits proposed - refer to A. B. L. Dept.

(4) Date to Planner

(7) D.F.C. report to be submitted before

PLANNING DEPT.
DEVELOPMENT CONTROL SECT
Date 30.10.91
Time 1.00

(8) D.F.C. report submitted to W.A. Co.

J. Rice
22/10/1991

Decision due:

ENDORSED

DATE

(W)

55

(P)

Register Reference : 91A/808

Date : 30/5/91

Development : Split level bungalow at rear

LOCATION : No. 1 The Crescent, Lucan.

Applicant : T. Mc Cormack

APP. TYPE : P/BBL

Planning Officer :

Date Recd. : 17/5/91

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 19.07.91
 Time 12.20.

Yours faithfully,

DUBLIN CO. COUNCIL
 - 6 JUN 1991
 SAN SERVICES

DUBLIN CO. COUNCIL
 SANITARY SERVICES
 PRINCIPAL OFFICER
 18 JUL 1991
 Returned *Gf*

Date received in Sanitary Services

FOUL SEWER

Insufficient information.

- ① Details of the existing drain which causes the site conflicts with information available to the Drainage Division Maintenance Section. Applicant should consult with Mr Gary O'Brien Drain Area Engineer, Drainage Dept.
- ② The applicant has not indicated all the existing properties entering the system to the rear.
- ③ The discussion is overly complex and should be simplified.
- ④ The applicants have not detailed the ^{existing} final connection to the

SURFACE WATER

Insufficient information.

- ① Sumps are not acceptable, and could possibly render the escarpment unstable and undermine the foundations.
- ② The applicants must submit an acceptable means of surface water disposal to the stream.

SENIOR ENGINEER,
 SANITARY SERVICES DEPARTMENT,
 45/49 UPPER O'CONNELL STREET,
 DUBLIN 1

Alan Morris
 10.7.91

J.R.
 11/7/91

Register Reference : 91A/308

Date : 30/5/91

.....
ENDORSED _____ DATE _____

WATER SUPPLY.....

Notes available
24 hrs storage required
all connections to be carried out by D.C.C at
applicant's expense
affixed to *[Signature]* 12/2/91

ENDORSED *[Signature]* DATE 16/2/91

PLANNING DEPT.
DEVELOPMENT CONTROL SECT
Date..... 19.07.91
Time..... 12.20

COMHAIRLE CHONTAE ÁTHA CLIATH

Record of Executive Business and Manager's Orders

Planning APPROVAL sought for split level bungalow at rear of No. 1 The Crescent, Lucan for T. McCormack.

R. F. MacDonnell,
Clonross,
Blanchardstown,
Co. Dublin.

Reg. Ref. 91A/0808
Appl. Rec'd: 17.05.1991
Time Ext. let. rec'd: 12.07.1991
Time Ext. up to: 17.08.1991

Report of the Dublin Planning Officer, dated 12 July 1991

This is an application for APPROVAL for split level bungalow at rear of No. 1 The Crescent, Lucan.

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 12th August, 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.

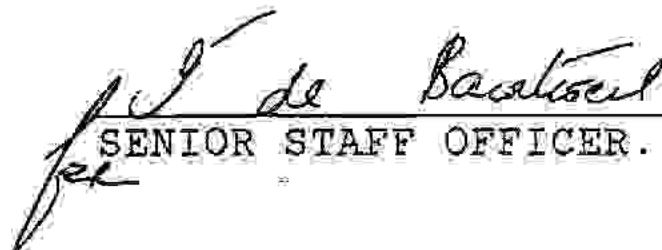
Dated: 17 July, 1991.



Assistant City & County Manager

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

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



SENIOR STAFF OFFICER.

M.G.



Bosca 174
P. O. Box 174
5 Rae Gardiner,
5 Gardiner Row,
Baile Atha Cliath 1.
Dublin 1.
Telephone. (01)727777
Fax. (01)727530

Mr. D. Drumgoole,
Senior Administrative Officer,
Planning Department.

Our Ref.
Your Ref.
Date 11.06.1911.

RE/ Bungalow at The Crescent, Lucan. Reg. Ref. 91A/0808.

With reference to this application, the Parks Department's comments are:-

1. As the applicant has not provided any public open space according to the requirements of the 1983 County Development Plan, it will be necessary to make a financial contribution of £1,000 towards the development of public open space in the surrounding area.
2. There are a number of mature trees on the land, details of which have been omitted from the lodged drawings, and to properly evaluate the application, it will be necessary to submit a detailed tree survey.

It is recommended that Additional Information is sought.

Lucan Dept

SENIOR PARKS SUPERINTENDENT

PLANNING DEPT.
DEVELOPMENT CONTROL SECT
Date 12-06-91
Time 3:15

P/3744/91

COMHAIRLE CHONTAE ÁTHA CLIATH

Order No. P/3744/91

CONTR:	
Standard	750
Refers	165
Open Space:	
Other:	
SECURITY:	
Bond / C.I.F.:	
Cash:	

Record of Executive Business and Manager's Orders

Planning PERMISSION sought for split level bungalow at rear of No 1 The Crescent, Lucan for T. McCormack.

R. F. MacDonnell,
Clonross,
Blanchardstown,
Co. Dublin.

Reg. Ref.	91A/0808
App. Recd:	17.05.1991
Floor Area:	
Site Area:	0.254 acres
Zoning:	

1/8/91

Up to final 11/8/91

Report of the Dublin Planning Officer, dated 11 July 1991

originally submitted for approval
This is an application for PERMISSION for a split level bungalow at rear of No. 1 The Crescent, Lucan. A subsequent advertisement was submitted requesting planning permission.

Reg. Ref. 86A/469 refers to a grant of outline permission for a bungalow on this site.

Reg. Ref. 90A/243 refers to an application for 2 no. 2-storey houses. Additional Information was requested regarding access and the application was subsequently withdrawn.

The site falls sharply from the entrance towards the Celbridge/Lucan Road. The site cannot be seen from the Lucan Celbridge Road, but does look out over the Lucan Golf Club.

Vehicular access is via a private road.

Reg. Ref. 88A/1192 refers to a grant of permission for 14 houses on the land to the north of this site. Works has not commenced on foot of this development. No special road levy was imposed as applicant was constructing a road network. A special services of £165 per house was imposed on Reg. Ref. 88A/1192.

Roads Engineer report not available.

Sanitary Services report not available.

Parks report asks for a contribution of £1,000. I am not aware of any local public open space which will be of much particular benefit to this house as to warrant such a contribution.

The proposed development is located in an area zoned "A" "to protect and/or improve residential amenity" in the Development Plan.

The proposed development is consistent with the provisions included in the Development Plan.

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

(Handwritten initials)

COMHAIRLE CHONTAE ÁTHA CLIATH

Order No: 17/3222/94

Record of Executive Business and Manager's Orders

Planning PERMISSION sought for split level bungalow at rear of No 1 The Crescent, Lucan for T. McCormack.

CONDITIONS

1. 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.

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 proposed house be used as a single dwelling unit.

4. That a financial contribution in the sum of £750 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.

5. That a financial contribution in the sum of £165 be paid by the applicant to Dublin County Council towards the cost of upgrading existing satellite pumping station and rising main at Crowes Corner. This contribution to be paid prior to the commencement of this proposal.

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. To prevent unauthorised development.

4. 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.

5. In the interest of the proper planning and development of the area.

COMHAIRLE CHONTAE ÁTHA CLIATH

Order No. P/3744/91

Record of Executive Business and Manager's Orders

Planning PERMISSION sought for split level bungalow at rear of No 1
The Crescent, Lucan for T. McCormack.

6. 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 what is described as a 225 diameter sewer is not as large as this and the proposed rerouting does not satisfy the requirements of the Sanitary Services Engineer. Details of the size and rerouting to be agreed prior to commencement of development. The written permission from the owner of the foul sewer be obtained for the proposed connection.

7. Details of boundary treatment to be the subject of agreement with the Planning Authority.

8. The disposal of surface water to be the subject of agreement with the Sanitary Services Engineer of the Council.

only
9. That a financial contribution in the sum of £1420. be paid by the proposer to the Dublin County Council towards the cost of provision of roads 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.

10
10. 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.

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

7. In the interest of the proper planning and development of the area.

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

9. 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.

10. In the interest of reducing air pollution

COMHAIRLE CHONTAE ÁTHA CLIATH

Order No. P737/1791


Record of Executive Business and Manager's Orders

Planning PERMISSION sought for split level bungalow at rear of No 1
The Crescent, Lucan for T. McCormack.

(NP/BB)

Endorsed:-


for Principal Officer


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 ~~7.0~~ conditions set out above is hereby made.

Dated: August, 1991.


APPROVED OFFICER

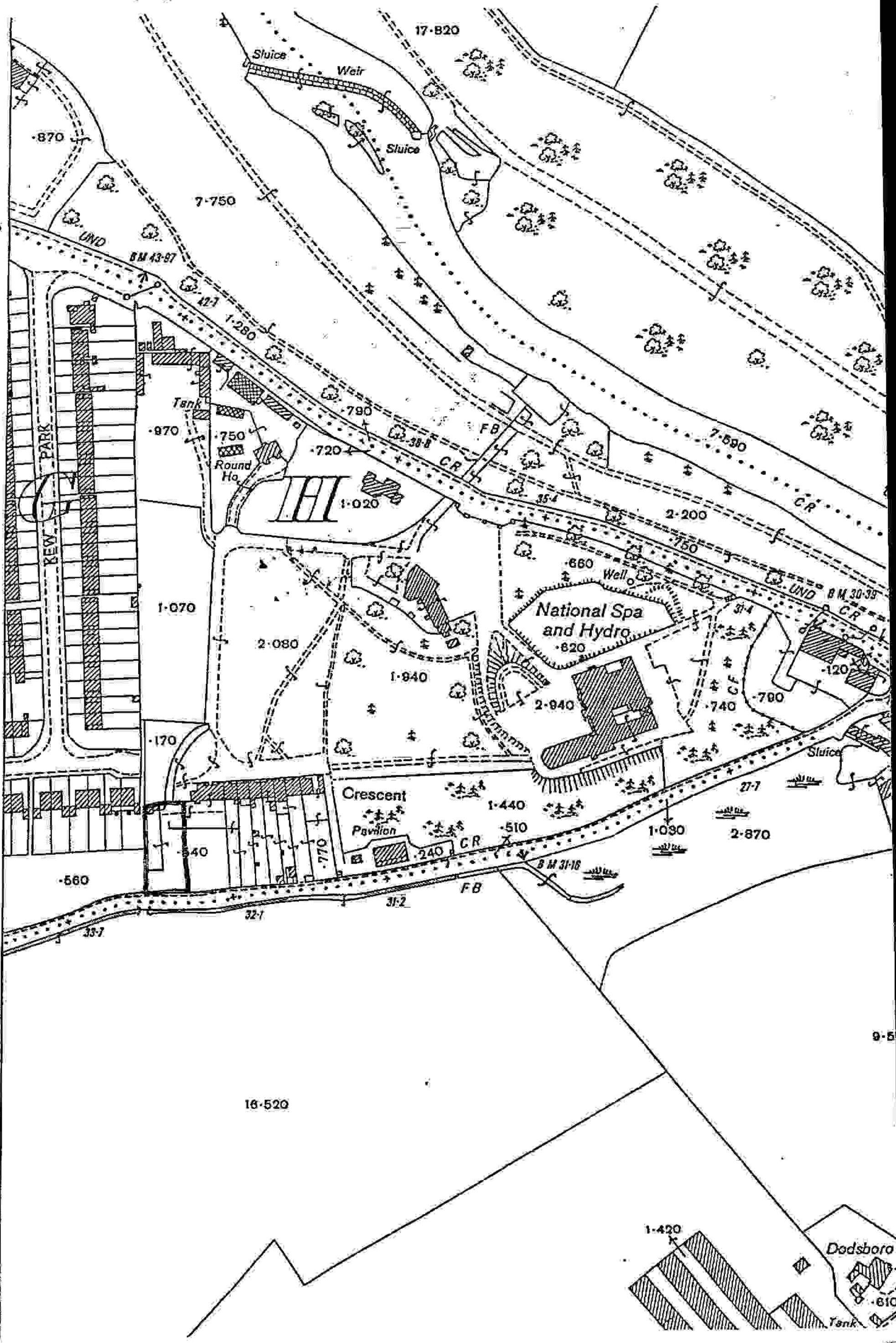
to whom the appropriate powers have been delegated by Order of the Dublin City and County Manager, dated 6th August, 1991.

COOLDRINA

17-5.

From Celbridge

Lucan Golf Course



9-5

Dodsboro

Tank

14-720

COUNTY COUNCIL
Registry Section
NOTIFICATION RECEIVED

20 MAY 1991

91A/0808

1/P/A/BBL

1-310

1-660

1-580

1-260

27-330

10kv

2-400

8-450

8-210

Dodsbore House

Sarsfield's Monument

Sarsfield's Tree

Oratory

Coravilla

1-700

Ardeen

CR

B.M. 30-78

1-020

760

Annadale

UND

640

34-9

510

1-980

260

Lucan Lodge

440

8-310

940

10kv

8-330

020

690

50

330

250

114

114

114

114

114

114

114

114

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/Approval

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

To: R. F. MacDonnell, Decision Order P/3744/91 - 09.08.1991
Clonross, Number and Date
Blanchardstown, Register Reference No. 91A/0808
Co. Dublin. Planning Control No.
Application Received on 17.05.1991
Applicant: T. McCormack. Time Ext: Up to and incl. 12.08.91

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/Approval for:
split level bungalow at rear of No. 1 The Crescent, Lucan.

SUBJECT TO THE FOLLOWING CONDITIONS

<u>CONDITIONS</u>	<u>REASONS FOR CONDITIONS</u>
<u>1. 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.</u>	<u>1. To ensure that the development shall be in accordance with the permission and that effective control be maintained.</u>
<u>2. That before development commences, approval under the Building Bye-Laws be obtained, and all conditions of that approval be observed in the development.</u>	<u>2. In order to comply with the Sanitary Services Acts, 1878-1964.</u>
<u>3. That the proposed house be used as a single dwelling unit.</u>	<u>3. To prevent unauthorised development.</u>
<u>4. That a financial contribution in the sum of £750. 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.</u>	<u>4. 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.</u>

Signed on behalf of the Dublin County Council


For Principal Officer

9th August, 1991

Date

IMPORTANT: Turn overleaf for further information

CONDITIONS

REASONS FOR CONDITIONS

5. That a financial contribution in the sum of £165. be paid by the applicant to Dublin County Council towards the cost of upgrading existing satellite pumping station and rising main at Crowes Corner. This contribution to be paid prior to the commencement of this proposal.

5. In the interest of the proper planning and development of the area.

6. 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 what is described as a 225 diameter sewer is not as large as this and the proposed rerouting does not satisfy the requirements of the Sanitary Services Engineer. Details of the size and rerouting to be agreed prior to commencement of development. The written permission from the owner of the foul sewer be obtained for the proposed connection.

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

7. Details of boundary treatment to be the subject of agreement with the Planning Authority.

7. In the interest of the proper planning and development of the area.

8. The disposal of surface water to be the subject of agreement with the Sanitary Services Engineer of the Council.

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

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.

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.

11th September 1991

Building Control,
Dublin County Council,
Liffey House,
Tara Street,
Dublin 2.
Attention: Mr. Gerry Kidney

91A/0808
I.L.C.
Moral A.L. for BBL

OUR REF 9175/JGL/LC YOUR REF

24 HOLLES STREET DUBLIN 2
TELEPHONE: 766343 • 762398
FACSIMILE: 610825

Re:- 1 The Crescent, Lucan
Ref. 91A/808

Dear Sirs,

Further to our letter of 10th September and following discussions with Mr. Garry O'Brien and Mr. Barry Morris of Sanitary Services we enclose two copies of revised drainage drawing ref. 9175-D1A to suit their requirements.

If you have any further queries please do not hesitate to contact the undersigned.

Yours faithfully,



JAMES G. LAWLER
DBFL

C.C. Barry Morris - D.C.C. - Sanitary Services
Garry O'Brien - D.C.C. - Sanitary Services
Raymond F. MacDonnell

~~2/9/91~~ (16/9)

16/9/91

PATRICK G DARLING
BE BA CENG MIEI

RONALD C BATTYE

PAUL M FORDE
BE CENG MISTRUCIE MIEI MCONSEI

JAMES G LAWLER
BE CENG MIEI

R. F. MacDonnell,
Clonross,
Blanchardstown,
Co. Dublin.

Reg. Ref. 91A-0808

15 July 1991

Re: Proposed approval sought for split level bungalow at rear of No. 1, The Crescent, Lucan for T. McCormack.

Dear Sir/Madam,

With reference to your application for approval received here on 17th May, 1991 (letter for extension period received 12th July, 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 12th August, 1991.

Yours faithfully,


for Principal Officer.

12th July 1991

Mr. Noel Prendergast
c/o Dublin County Council
Planning Department
Irish Life Centre
Lr. Abbey Street
Dublin 1.

Re: Application for split level bungalow at rear of
No. 1 The Crescent, Lucan for Mr. T. McCormack.

Reg. Ref. 91A/0808.

Dear Mr. Prendergast,

I wish to extend the period for consideration of the above
application up to and including 12th August 1991.

Yours sincerely,

Raymond MacDonnell
RAYMOND F. MACDONNELL B.A.R.C.H. F.R.I.A.I.

*Recd 12/7
File up to
and 12/8/91
(New newspaper notice recd)*

91A/0808

L.O. & arch

RAYMOND F. MAC DONNELL B.A.RCH F.R.I.A.I. MSDI ARCHITECT
CLONROSS BLANCHARDSTOWN DUBLIN 15. TEL. 213001/211738

12th July 1991

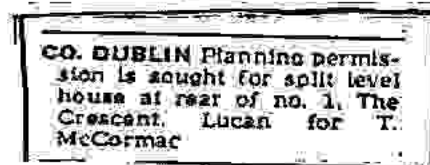
Mr. Noel Prendergast
c/o Dublin County Council
Planning Department
Irish Life Centre
Ir. Abbey Street
Dublin 1.



Re: Application for split level bungalow at rear of
No. 1 The Crescent, Lucan for Mr. T. McCormack.

Reg. Ref. 91A/0808.

*Just here
12/7/91*



Dear Mr. Prendergast,

I wish to extend the period for consideration of the above application up to and including 12th August 1991.

Yours sincerely,

Rosamund MacDonnell
RAYMOND F. MACDONNELL B.A.RCH. F.R.I.A.I.

COMHAIRLE CHONTAE ÁTHA CLIATH

DUBLIN COUNTY COUNCIL

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

BYE LAW APPLICATION.

REC. No. N 39489

Balance

£3.10

Received this

29th

day of

May

19*91*

from *P. F. M. Donnell*

Commission

Blanchardstown

the sum of

£3.10

Pounds

Balance, being

Balance

of fee on 9/11/80

Noelce Sean

Cashier

CAREY
Principal Officer

A

RAYMOND F. MAC DONNELL B.ARCH F.R.I.A.I. MSDI ARCHITECT
11 O'CONNOR BLANCHARDSTOWN DUBLIN 15. TEL. 213001/211738

27th May 1991

Dublin County Council
Planning Department
Irish Life Centre
Lt. Abbey Street
Dublin 1.



Re: Bungalow at 1 The Crescent, Lucan for T. McCormack.

Reg. Ref. No. 91A/0808

Dear Sirs,

Further to your letter dated 23rd inst., in connection with our fee of £50.00 furnished with the above application, I now enclose herewith a cheque in the sum of £5.00 in payment of the outstanding amount due.

Yours faithfully,

RAYMOND F. MACDONNELL B.ARCH. F.R.I.A.I.

Encl/

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/0808

Date : 20th May 1991

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

Dear Sir/Madam,

DEVELOPMENT : split level bungalow at rear

LOCATION : No. 1 The Crescent, Lucan

APPLICANT : T. McCormack.

APP. TYPE : PERMISSION/BUILDING BYE-LAW APPROVAL

With reference to above, I acknowledge receipt of your application received on 17th May 1991.

Yours faithfully,

.....
PRINCIPAL OFFICER.

R. F. MacDonnell,
Clonross,
Blanchardstown,
Dublin 15.



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 THE CRESCENT LUCAN CO DUBLIN
(If none, give description sufficient to identify)

3. Name of applicant (Principal not Agent) MIR. MCCORMACK
Address 11 CASTLEKNOCK GLADE CASTLEKNOCK DUBLIN Tel. No. 507 39340

BYE LAW APPLICATION
N 39661

4. Name and address of person or firm responsible for preparation of drawings R. F. MACDONNELL CLONROSS BLANCHARDSTOWN CO DUBLIN Tel. No. 213001

5. Name and address to which notifications should be sent AS 4 ABOVE

6. Brief description of proposed development SPLIT LEVEL BUNGALOW AT REAR OF NO 1, THE CRESCENT LUCAN.

7. Method of drainage EXIST. SEWER 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

RECEIVED
DATE 20/5
N 39661

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 0.254 ACRES (APPROX) Sq. m.

(b) Floor area of proposed development N/A Sq. m.

(c) Floor area of buildings proposed to be retained within site NONE Sq. m.

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

DUBLIN planning approval is sought for split level bungalow at rear of No 1, The Crescent, Lucan, For T. McCormack.

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: IT IS THE POLICY OF THIS OFFICE TO TAKE ACCOUNT OF THESE REGULATIONS BUT THIS IS NOT A GUARANTEE OF COMPLIANCE

15. List of documents enclosed with application. COPY OF NEWSPAPER AD, 4 COPIES OF SITE LOCATION MAP, SPECIFICATIONS DWGS NO 575/1, 2, 4, 5 91075-D1 (4 COPIES OF DWG 91075-1/2/3/4 - UNDER SEPARATE COVER)

16. Gross floor space of proposed development (See back) N/A Sq. m.

No of dwellings proposed (if any) ONE Class(es) of Development SINGLE HOUSE

Fee Payable £ 55.32 = 287 Basis of Calculation SINGLE HOUSE
If a reduced fee is tendered details of previous relevant payment should be given.

Signature of Applicant (or his Agent) Helen Pihlkin Date 17/5/91

Application Type P/PP/L P/PP/R Macdonnell FOR OFFICE USE ONLY H/S

Register Reference 91075/0808

Amount Received £ 2,440.4

Receipt No 17-6

Date _____

Er
Bren
15/5/91

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

BUILDING BYE-LAW APPLICATIONS

CLASS NO.	DESCRIPTION	FEE	CLASS NO.	DESCRIPTION	FEE
1.	Provision of dwelling — House/Flat.	£32.00 each	A	Dwelling (House/Flat)	£55.00 each
2.	Domestic extensions/other improvements.	£16.00	B	Domestic Extension (improvement/alteration)	£30.00 each
3.	Provision of agricultural buildings (See Regs.).	£40.00 minimum	C	Building — Office/Commercial Purposes	£3.50 per m ² (min. £70.00)
4.	Other buildings (i.e. offices, commercial, etc.)	£1.75 per sq. metre (Min. £40.00)	D	Agricultural Buildings/Structures	£1.00 per m ² in excess of 300 sq. metres (min. - £70.00) (Max. - £300.00)
5.	Use of land (Mining, deposit or waste)	£25.00 per 0.1 ha (Min £250.00)	E	Petrol Filling Station	£200.00
6.	Use of land (Camping, parking, storage)	£25.00 per 0.1 ha (Min £40.00)	F	Development or Proposals not coming within any of the foregoing classes.	£9.00 per 0.1 ha (£70.00 min.)
7.	Provision of plant/machinery/tank or other structure for storage purposes.	£25.00 per 0.1 ha (Min £100.00)			Min. Fee £30.00
8.	Petrol Filling Station.	£100.00			Max. Fee £20,000
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)			

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

PAID BY **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^o 39661

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

£ 32.00

Received this 20th day of May 1991

from T. J. McCormack

1 The Crescent
Lucan

the sum of thirty two Pounds

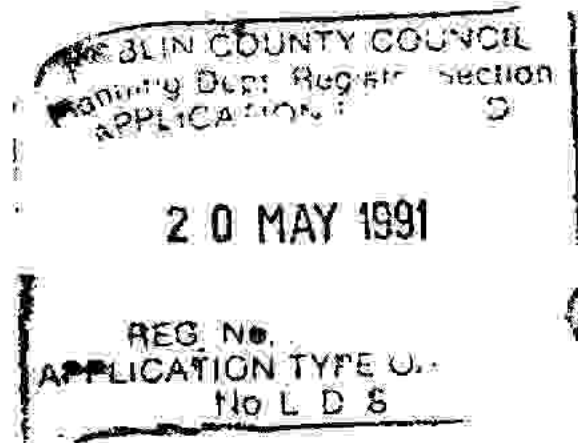
Pence, being two

planning application at above address

Sheela Deane Cashier

S. CAREY CS 1/81
Principal Officer

17th May 1991

The Planning Officer,
Dublin County Council,
Block 2,
Irish Life Centre,
Middle Abbey Street,
Dublin 1.

OUR REF 9175/JGL/LC YOUR REF

24 HOLLES STREET DUBLIN 2
TELEPHONE: 766343 • 762398
FACSIMILE: 610825Re:- Proposed Detached House at The Crescent,
Lucan, for Mr. McCormac

Dear Sir,

In support of Mr. Raymond F. MacDonnell's Submission for Planning Permission and Bye-Law Approval for a detached house on the above, we enclose four copies of our drawings ref. 9175-1, 2, 3, 4 & D1.

Yours faithfully,

JAMES G. LAWLER
DBFL

1.20.0.4

Encl.

C.C. Mr. Raymond F. MacDonnell

17/5

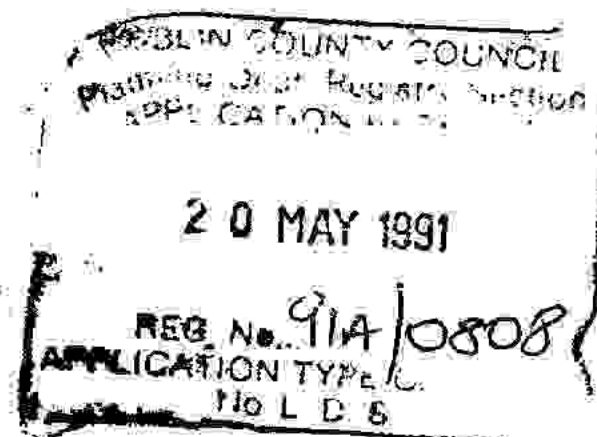
PATRICK G DARLING
BE BA CENG MIEI

RONALD C BATTYE

PAUL M FORDE
BE CENG MISTRUCI MIEI MCONSEIJAMES G LAWLER
BE CENG MIEI

OUTLINE SPECIFICATION OF MATERIALS
TO BE USED IN THE PROPOSED ALTERATIONS AND EXTENSION

AT



1 The Crescent
Lucan
Co. Dublin.

FOR

Mr. T. McCormack

Raymond F. MacDonnell
B.Arch. F.R.I.A.I.
'Clonross'
Blanchardstown
Dublin 15.

July 1990
Nov 1990.

EXCAVATION

The site of the buildings is to be excavated to a depth of 10" minimum. The excavation for the foundations to external walls and internal walls, concrete floors etc., shall be excavated to the general depths shown on the section or to such greater or lesser depths as may be directed in order to obtain a solid stratum, finished perfectly level. Actual foundation depths to be approved on site by the Local Authority Inspector before any concrete is poured, to ensure adequate bearing capacity.

2. FOUNDATIONS

To be 1: 2 : 4 concrete mix strip foundations under all load bearing walls. Foundation strips to be 3'0" wide by 12" deep or 2'6" x 12" minimum. All foundations to be a minimum of 3'0" below ground level.

3. HARDCORE

To be good quality broken stone or brick and to be layed as a level bed well ramed and consolidated.

4. BLINDING

3" sand blinding to be layed and rolled over hardcore.

5. DAMP PROOF MEMBRANE

To be 1000 gauge visqueen with proper laps at all junctions and turned up around edges of slab, and also layed vertically on the outer faces of rising walls where shown.

6. DAMP PROOF COURSE

Shall be 3 ply bitumen on jute or canvas base D.P.C. and shall be laid to full thickness of walls and incorporated under and around all cills and at door and window jambs, vertically.

7. CONCRETE FLOORS

6" steel trowel finished concrete slab on 2" perimeter (3" wide) polystyrene insulation on 1000 gauge visqueen d.p.m. on 3" sand blinding on compacted hardcore minimum thickness 6".

8. SUSPENDED TIMBER FLOORS

1" T & G boarding on 7" x 2" joists @ 16" centres. (175 x 44 @ 250 centres metric). With one row of 7" x 2" bridging pieces to each room.

9. RISING WALLS

To be in solid concrete block to same thickness as walls over 3 : 1 sand/cement mortar to be used up to d.p.c. level.

10. EXTERNAL WALLS

a) Cavity construction consisting of 4" clay brick outer leaf, 2" cavity, 2" insulation and 4" solid concrete block inner leaf. Ties to be provided at 3' 0" horizontal centres and 1' 6" vertical centres. Stainless steel twisted ties to be used.

b) 9" hollow concrete blockwork.

11. INTERNAL WALLS

To be 4" timber stud partitions at first floor level.

To be 4" solid concrete block at ground floor level where shown.

12. INTERNAL WALL FINISH

a) Hardwall plaster finish on internal walls of blockwork.

b) ½" plaster board on 2" x 1" treated timber battens on insides of external walls.

13. LINTOLS

a) Spanlite prestressed concrete lintols. Laid strictly in accordance with Manufacturer's instructions.

b) Dorman long type M.S. Lintol.

14. ROOF CONSTRUCTION

Selected clay tiles to match existing on 2" x 1" treated timber battens on sarking felt 125 x 35 rafters at 3' centres on 225 x 75 purlins. 125 x 35 struts and hangers at every second rafter. 75 x 100 treated wall plates bolted to top of wall.

5. CEILING

- a) $\frac{1}{2}$ " plasterboard and skim with 4" fibre glass insulation over.
- b) $\frac{3}{4}$ " plasterboard at ground floor level.

16. ROOF TRUSSES

Prefabricated timber roof trusses to be used or in the case of hipped roofs, traditional construction is to be used: trusses to be braced and fixed strictly in accordance with the manufacturer's instructions.

17. WINDOWS

Purpose made timber windows of Irish manufacture. All windows to be carefully set in position before plaster jamb linings are fixed and pointed around with 3:1 cement and sand on inside. Timber windows to be of I.S.S.

18. DOORS

Back and Front Door to be I.S.S.

19. INTERNAL DOORS

All internal doors to principal rooms to be 2" nominal flush (in accordance with I.S.S. 48/55 stamped as such) hung on specially prepared frames. All doors to be hung on one pair of 4" butt hinges.

20. STUDDING

To be 3" x 1 $\frac{1}{2}$ " to suit plaster slabs, with required nogging pieces. 2" thick patent plaster slab partitions may be used in lieu of studding previously described, at the discretion of the Architect.

21. DOOR FURNITURE

All internal doors to have mortise locks with chrome plates and handles; hot press and cupboard doors to have ball socket catch or magnetic catches with pull handles. Hall door to have cylinder night latch and suitable letter box. (Other external doors to have one bolt each and rim lock if necessary).

22. LINEN PRESS

Provide and fix slatted shelving nailed to cleats...

23. SINK AND KITCHEN UNITS

Supply and fix stainless steel sink with drainer complete with chrome taps. Provide kitchen units in positions as shown on drawings.

24. NOTE

ALL SIZES TO BE AS CLOSE TO FIGURES SHOWN ABOVE OR METRIC EQUIVALENT AS AVAILABLE.

25. SOIL AND VENT PIPES, RAIN WATER PIPES & GUTTERS

Provide 4" diameter PVC soilpipe. Provide all necessary branch pipes etc., also 5" half round approved PVC gutter fitted to maker's instructions. Gutter brackets screwed to fascia. Also 3" diameter approved rainwater pipes complete with hoppers, bends and toe pieces. Provide PVC clips to keep pipes from wall face.

26. FLASHING

Provide and fix all necessary flashings to chimneys to Department of Local Government requirements.

27. WATER

Lay on water supply from main in accordance with Local Authority Regulations. Provide and fix suitably sized storage tank complete with ballcock and overflow. Bath, lavatory basin and WC cistern must be supplied from this tank. Fit suitable stop cocks on distributing pipes in a convenient and accessible position as near to tank as practicable; also stop cock on rising main where entering house. The sink only to be provided from the rising main. Provide draw off cock from boiler and stop cock on cold feed to cylinders.

28. HOT WATER SUPPLY

Provide hot water system to bath, wash-hand basin and sink.
 $\frac{1}{2}$ " supplies except in bath which is to have $\frac{3}{4}$ " hot supply.

29. SANITARY FITTINGS

Supply and fit complete with traps, fittings, wastes, overflows, stainless steel sink unit, wash-hand basin, low level combination WC suites with cistern and plastic seat, suitably sized copper cylinder and approved standard 5'6" bath.

30. DRAIN TESTING

All drains and plumbing work to be tested to the entire satisfaction of the Local Authority.

PLASTERERS

31. WALLS

External walls internally to be carefully Drylined with $\frac{3}{8}$ " plaster Board on battens with 2" thermal insulation.
All partitions to be covered with approved slabs and rendered with Gypsum plaster in accordance with manufacturer's instructions. Alternatively, dry lining may be used.

32. CEILINGS

All ceilings to be covered with approved plaster slabs, each slab nailed along the edge and centre and joints to be filled and finished with a plastic compound to give a stippled finish in accordance with maker's instructions.

33. EXTERNAL

All external face of all concrete block walls to be scudded, rendered in sand and cement. The floating coat to have an admixture of approved water-proofing compound mixed in strict accordance with the maker's instructions. Finish on external walls as selected by Architect.

TILERS

34. ROOF

Roof to be covered with clay tiles to B.S. to be laid on battens on un-tearable felt. Include for all ridge and hip tiles to match existing.

PAINTER

35. GENERAL

All exposed woodwork to be properly knotted and primed. All tassels, plates, ends of joints etc., to be coated with one coat of preservative before fixing.

36. EXTERNAL

All external woodwork to be prepared, primed and painted two coats best selected oil paint.

37. INTERNAL

All internal joinery, and woodwork to be prepared and painted two coats best selected oil paint after priming.

38. GLAZING

All glazing to be bedded in best linseed oil putty in all cases, the glass must be well-bedded and back puttied. All putty to be carefully trimmed and cleaned off.

SUMMARY OF STANDARDS OF CODES

CARPENTRY & JOINERY

Materials shall comply with the following specifications:

Materials:

Timber nomenclature	- BS 881/589
Timber moisture content	- IS 96.
Plywood	- BS 1455 & 1203
Blockboard	- BS 3444
Chipboard	- BS 2604
Plastic Laminates	- BS 3794
Flush Doors	- IS 48.
Fire Check Doors	- BS 459. Part 3
Joinery, timber & Workmanship	- BS 1186, Parts 1 & 2.
Glues.	- BS 1204 & 1444
Grading rules for timber	- BS 3819 & 4047
Structural softwoods, characteristics.	- BS 1860
PVC sheet	- BS 3757

Timber described as treated shall be impregnated under pressure with an approved waterborne solution or by immersion in an approved organic oil solution and the solution shall be appropriate to the position of the timber in the building, i.e. internal or external. Ends and any other surfaces, cut, trimmed or planed after treatment shall be brushed liberally with the solution before fixing.

Preservative
Treatment

Timbers treated with a waterborne solution shall be dried down again to the required moisture contents before installation.

Workmanship for joinery shall be in accordance with BS 1186, Part 2. Framed joints shall be mortice and tenon type as defined. Other joints shall be as shown on the drawings or as appropriate for the work.

Joinery

METALWORK.

Materials shall comply with the following specifications:

Materials

Steel joists, angles, hollow sections	- BS 4, 4a, 15.
Sold rolled steel sections	- BS 2994
Bolts	- BS 916 & 1796
Welding	- BS 1856
Galvanised, hot dip process after fabrication.	- BS 3189
Tubing	- BS 1387

PLUMBING INSTALLATION

Materials shall comply with the following specifications:

Materials

Light gauge copper tubes	- BS 659
Pipe couplings for copper	- BS 864
Underground copper tubes	- BS 1386
Gate valves	- BS 1952
Unplasticised PVC pipes & fittings	- BS 3505, BS 4346 Part 1, 4514 & 4576
Thinwall copper tubes	- Irish Metal Industries Ltd.
Cast iron pipes & fittings	- BS 78, 1211, 3464 & 3961
Cast iron soil and vent pipes	- BS 416

Where applicable all work shall comply with the requirements of BSCP 304: 1968 - sanitary pipework above ground.

Generally.

The plumbing shall include all work, attendance, cutting of holes etc., and for supplying all labour and materials for the fixing of the fittings hereafter specified.

The work shall be carried out in a first class manner and shall comply with the regulations of the Local Authority.

Only the best materials will be permitted to be used and none but competent plumbers shall be employed.

Provide for making all necessary joints to water supplied, wastes and drains, plugging to walls and for all trades attending on plumber while fixing and making good after.

Joints in cast iron pipes shall be made with gaskin and caluked lead. Pipe Joints.

Joints between brass ferrules and w.c. traps or other stoneware fittings shall be made with neat cement.

Joints between PVC pipes shall be made with adhesive and couplers in strict accordance with the maker's directions.

Joints in copper pipe shall be brazed or made with compression fittings.

FLOOR WALL AND CEILING FINISHES

The materials shall comply with the following specifications. Materials

Cement	- IS 1
Lime	- IS 8
Sand	- BS 1198 & 1199
Gypsum Plaster	- IS 27
Metal Lathing	- BS 1369
Plaster Lath	- IR 41

Plaster for walls and ceilings shall be gyplite plaster supplied by Gypsum Industries Ltd., used strictly in accordance with the maker's directions as set out in the current edition of their 'Green Book'.

Different types of plaster shall be distinctively marked and stored separately.

Workmanships shall comply with the following Codes of Practice:

		Workmanship
Internal plastering	- BSCP 211	
External rendering	- BSCP 221	
Tile and slab flooring	- BSCP 202	
Sheet and tile flooring	- BSCP 203	
Vinyl asbestos tiles	- BS 3260	
Quarry Tiles	- BS 1286	
Glaze of ceramic tiling and tile fittings	- BS 1281	

Door mats shall be Tufta Guard door mats.

Materials shall comply with the following specifications: Materials

Glass	- BS 952
Putty	- IS 28
Oil paints	- IS 15, 32, & 115
Water paints and distempers	- IS 73, 74 & 75
Knotting	- IS 16
Priming paints	- IS 18, 33 & 110
Varnishes	- IS 10, 103 & 104
Linseed Oil	- IS 14, 93 & 94
Emulsion Paint	- IS 129

Workmanship shall comply with the following codes of practice:

Workmanship

Glazing - BSCP 152
Painting - BSCP 231

DRAINAGE

Materials shall comply with the following specification:

Materials

Stoneware pipes - IS 106
Cast Iron Pipes - IS 437
Spun Iron Pipes - BS 1211
Concrete Pipes - BS 556 & 4101
Manhole Covers - BS 497
Step Irons - BS 1247
PVC Pipes - BS 3506

Drainage work generally shall be executed in accordance with BSCP 310.

Workmanship

The works are to be completed in accordance with the Fire Officers requirements.

Fire Officer

CALCULATION SHEET	Page No.	Project No.
Project	By	Chd.
Section	Date	Date

IN COURT
DEPT. OF
APPLICATION

20 MAY 1991

9/9/0808

PROPOSED HOUSE AT LUCAN

REG. NO.
APPLICATION

FOR MR. McCORMACK

DESIGN OF MAIN STRUCTURAL ELEMENTS

CALCULATION SHEET	Page No. 01.	Project No. 8175
Project House at Lucan for Mr MacCormack	By J.M.	Chd.
Section Loading 5.	Date	Date

<u>Loadings</u>		
<u>Roof</u>	KN/M^2	
Concrete tiles $0.5 / \cos 25^\circ$	0.55	Roof pitch
Battens felt $0.05 / \cos 25^\circ$	0.055	25°
O/A WT of trussed rafters assumed	0.12	
Insulation	0.02	
plaster board + skim	0.18	
	<u>0.925</u>	
Imposed		
roof 0.75 + attic 0.25	<u>1.00</u>	
	<u>1.925</u>	
<u>FIRST FLOOR</u>		
T & G Boarding	0.158	
Joists (assumed)	0.236	
ceiling	0.180	
	<u>0.574</u>	
Imposed		
Floor	<u>1.50</u>	
	<u>2.074</u>	
Continued on page 02.		

CALCULATION SHEET

Page No.

02

Project No.



CONSULTING
CIVIL & STRUCTURAL
ENGINEERS

Project

By

Chd.

Section

Date

Date

<u>Ground Floor (upper)</u>		KN/M ²
50 srsced		1.200
"Breton House Floor"		2.071
		<u>3.271</u>
Imposed Floor		1.500
100 Block partitions (Plaster Bothfaces)		2.400
		<u>3.000</u>
Total = 3.271 + 3.000 = 6.271 KN/M ²		
<u>Ground Floor (Lower)</u>		
FLOATING SLABS ON GRADE		1.200
"Breton House Floor"		2.071
		<u>3.271</u>
Imposed Floor		1.500
100 Block partitions (Plaster Bothfaces)		2.600
		<u>4.100</u>
Total = 3.271 + 4.100 = 7.371 KN/M ²		

Project

House at Lucan for Mr MacCormack

By

J.M

Chd.

Section

Date

Date

DESIGN OF MAIN STRUCTURAL ELEMENTS.

ROOF LEVEL

REFERRING TO STRUCTURAL DRAWING No. 3175-4.

(1) Trussed rafters to be supplied and designed by specialist supplier

(2) Main steel roof beam 203x133 UB.

Loading per m

$$= 3.5 \times 1.925$$

$$6.73$$

add S.W.

$$0.30$$

$$\underline{7.03}$$

$$\text{SPAN} = 4.4 \text{ m} \quad \text{Max BM} = 17.0 \text{ kNm}$$

$$\frac{7.03 \times 4.4^2}{8}$$

Take UB as laterally restrained by roof

$$Z_{\text{reqd}} = \frac{17 \times 10^6}{165 \times 10^5} = 103 \text{ cm}^3$$

$$I_{\text{reqd}} = \frac{400 \times 5 \times 7030 \times 4.4 \times 4400^2}{384 \times 210000 \times 10^4} = 1485 \text{ cm}^4 \quad \text{SPAN}/400$$

$$203 \times 133 \times 25 \text{ UB} \quad Z = 231.9 \text{ cm}^3 \quad I = 2356 \text{ cm}^4$$

203 x 133 x 25 UB SATISFACTORY.

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(3) 152 x 76 EAVES BEAMS

MAXIMUM SPAN = 2.9 M

Loading per m

= 1.16 x 1.925

3.525

add S.W.

0.2

3.725

Max Bm = 3.725 x 2.9² / 8 = 3.92 kNm

Z_{reqd} = 3.92 x 10⁶ / 165 x 10³ = 23.7 cm³

Deflection ok by inspection

152 x 76 RSC Z = 111.8 cm³

152 x 76 RSC Satisfactory

(4) 225 Reinforced Concrete Head.

Loading per m

= 5.475 x 1.925

10.53

add SW

1.755

12.285

Max Bm = 12.285 x 2.9² / 8 = 12.91 kNm

Take wt as 12.91 x 1.55 = 20 kNm

K = 20 x 10⁶ / 325 x 182² x 35 = 0.053

d = 182

l_{eff} = 0.9346

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DBFL

CONSULTING

CIVIL & STRUCTURAL

ENGINEERS

$$A_s \text{ reqd} = \frac{20 \times 10^6}{0.87 \times 460 \times 0.9346 \times 182}$$

$$= 294 \text{ mm}^2$$

use 2 T20 $A_s = 628 \text{ mm}^2$

SHEAR

$$U = \frac{17.81 \times 1000}{325 \times 182} = 0.301$$

$$U_c = 0.74$$

$$U < U_c + 0.4 \text{ min links}$$

use T8 @ 150 c/c (d min c/c)

DEFLECTION

$$M/bd^2 = \frac{20 \times 10^6}{325 \times 182^2} = 1.85$$

$$f_s = \frac{5 \times 294 \times 460}{8 \times 628} = 135$$

$$M.F. = 0.55 + \frac{(477 - 135)}{120(0.9 + 1.85)}$$

$$= 1.586$$

$$\text{Allowable span} = 182 \times 20 \times 1.586 = 5773$$

Satisfactory,

FIRST FLOOR LEVEL

FLOOR JOISTS

Page 7 Table 5 SRII

Permissible clear span 225 x 44 SCB
grade 2 300 cts = 5170 mm

Actual = 4300 mm Max.

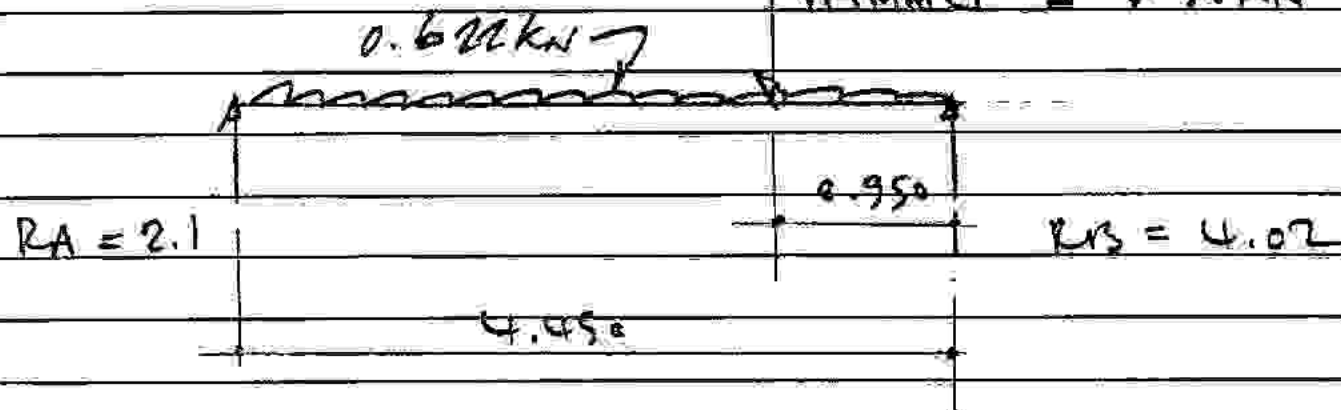
225 x 50 2 300 cts satisfactory.

Consider trimming at chimney breast

CHECK DOUBLE 225 x 50

2.074×0.3
 $= 0.622$

TRIMMER = 3.36 kN



Zero Shear
 $= 2.1 / 0.622$
 $= 3.376 \text{ m}$

Max $P_m = 2.1 \times 3.376 / 2 = 3.548 \text{ kNm}$

Using SCB GRADE TIMBER

$K_f = 1.1$ $\delta_{m11} = 5.6$ $\delta = 0.64$

$Z_{xx} \text{ reqd} = \frac{3.548 \times 10^6}{5.6 \times 1.1} = 5.75 \times 10^5 \text{ mm}^3$

Using $b = 50 \times 2$

$D \text{ reqd} = \sqrt{\frac{6 \times 5.75 \times 10^5}{100}} = 185 \text{ mm}$

$\frac{BD^2}{6} = 2$

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185 < 225

2 No 225 x 50 Joists ok for bending

DEPLETION

USE AN EQUIVALENT WOL for Moment

$$3.549 = W \times 4.45^2 / 8 \quad W = 1.433 \text{ kNm}$$

$$\delta_U = \frac{1.2 \times 3.548 \times 10^6}{225 \times 100 \times 0.0625 \times 8000} = 0.378$$

$$\delta_M = \frac{5 \times 1.433 \times 1000 \times 4.45 \times 445^3}{384 \times 8000 \times 3.4922 \times 10^7} = 9.63 \quad I = \frac{1}{12} b d^3$$

$$\delta_U + \delta_M = 10.01 \text{ mm}$$

$$\text{permissible} = 4450 \times 0.003 = 13.35 \text{ mm ok}$$

Shear

$$U = \left(\frac{4.02 \times 1000}{225 \times 100} \right) \times 1.5 = 0.178$$

$$U_{adm} = 0.64 \times 1.1 = 0.704 \text{ ok}$$

Double 225 x 50 Joists Trimmer

Satisfactory

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FIRST FLOOR BEAMS203 x 76 Rolled steel channelOK by inspectionConcrete Eaves beamMS x 225 Reinforced with 2 No T20 Top
and Bottom OK by inspectionPosts 80 x 80 SHS by
inspection

Concrete Stairs

Angle = 35°

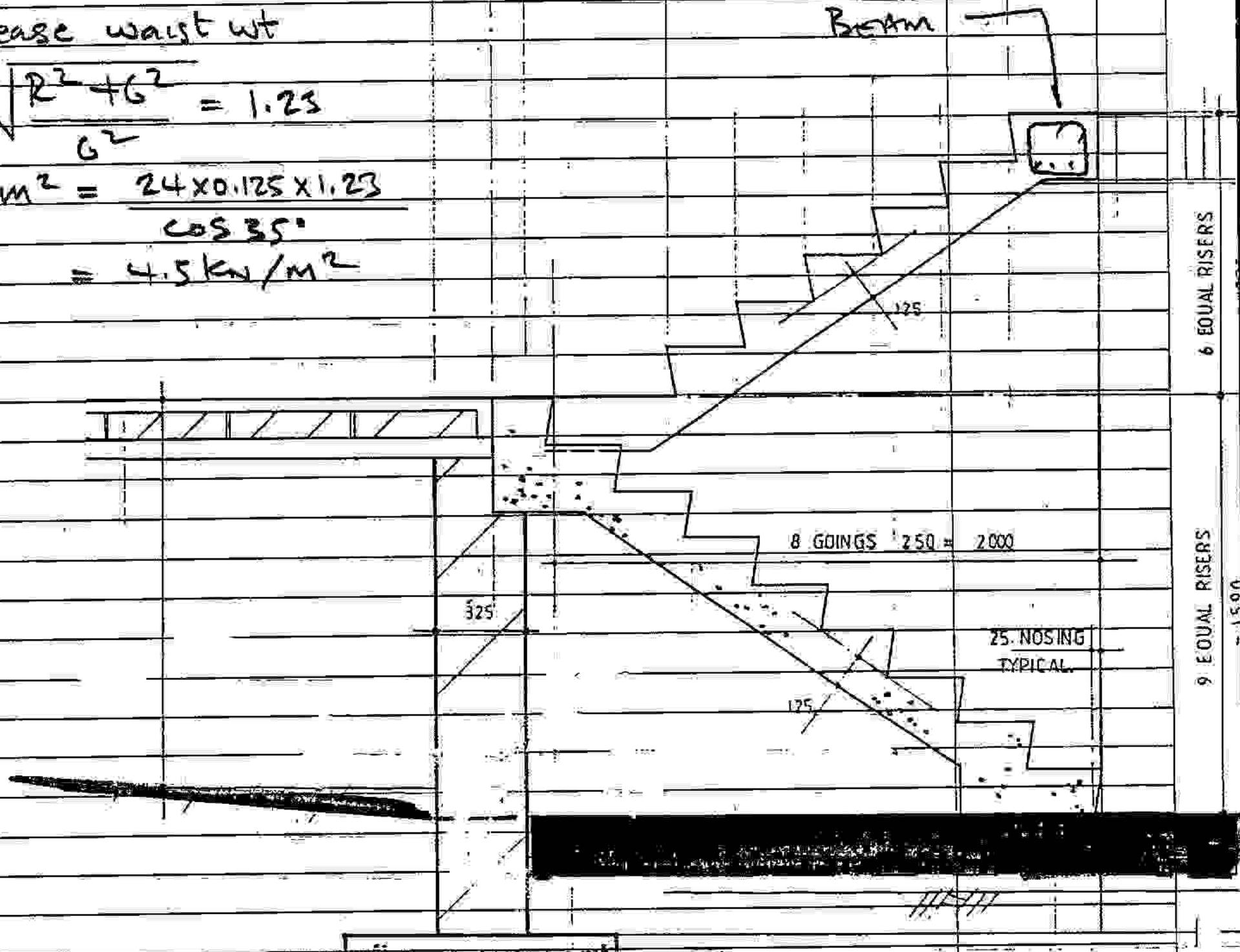
Weight per m² =

215 110 525 8 GOINGS 2250 + 1250 325

Increase waist wt

by $\frac{\sqrt{R^2 + G^2}}{G^2} = 1.23$

per m² = $\frac{24 \times 0.125 \times 1.23}{\cos 35^\circ}$
= 4.5 kN/m²



Gk = 4.5 Qk = 1.5

N = 1.4 x 4.5 + 1.6 x 1.5 = 8.7 kN/m²

MAX SPAN = 2.047 M.

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$$BM = 8.7 \times 2.047^2 / 8 = 4.556 \text{ kNm}$$

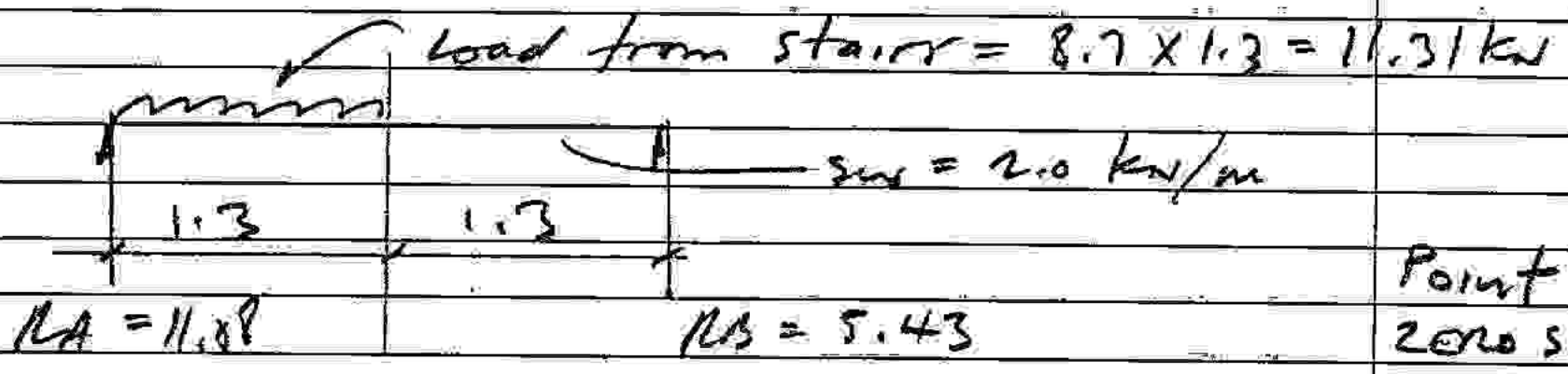
$$K = 4.556 \times 10^6 / 1000 \times 94^2 \times 35 = 0.0147 \quad d = 94$$

$$k_{af} = 0.95 \quad A_{s \text{ reqd}} = \frac{4.556 \times 10^6}{0.87 \times 460 \times 94 \times 0.95} = 127 \text{ mm}^2$$

USE T12 @ 200 c/c $A_s = 566 \text{ mm}^2$

Deflection ok by inspection

BEAM SUPPORTING STAIRS



Point of zero shear

$$\text{MAX BM} = 11.08 \times 0.832 / 2 = 4.6 \text{ kNm} \quad = 11.08 / 13.31$$

negligible $= 0.832 \text{ m}$

USE 300 X 225 DP BEAM 3T10 Top and Bottom, T10 links @ 150 c/c

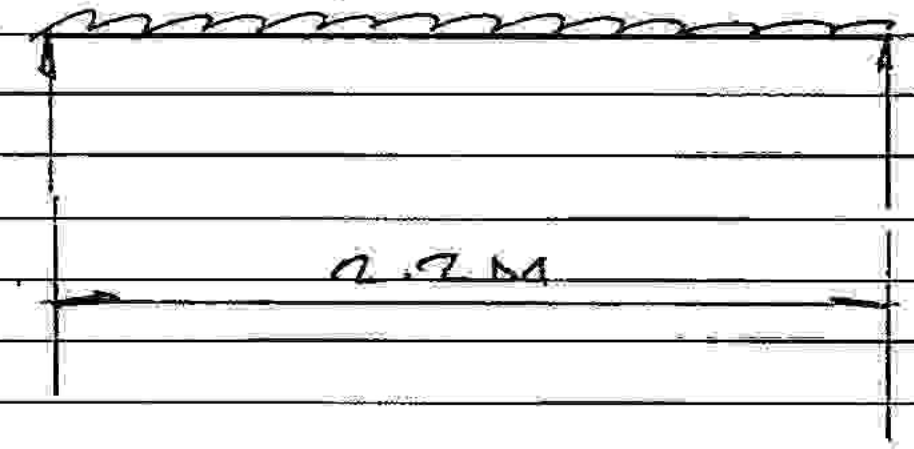
Ground Floor (upper) suspended

Propose using "Breton House type floor"

Beam CTS 295

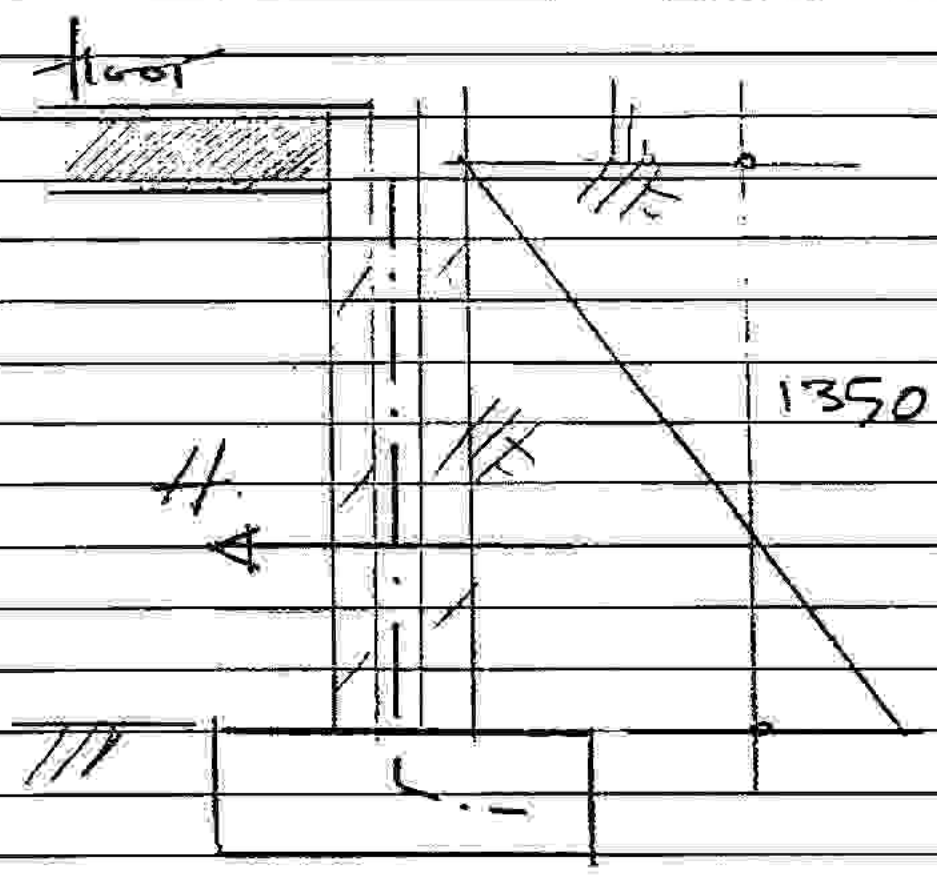
Worst Case (Wardrobe ensuite W.C.)

$\downarrow 1.2 + 3.9 = 5.1 \text{ kN/m}^2$



DESIGN CALCULATIONS TO BE SUPPLIED
by "Breton Recrete"

GRAouted CAvITY RIsing WAll



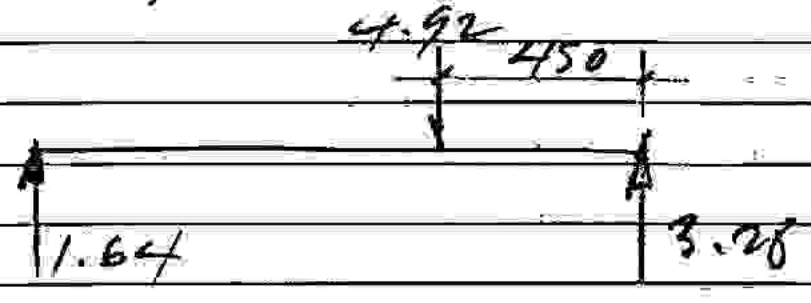
Loading :

Retained consolidated fill say 20 kN/m^3

$\phi = 35^\circ \quad K_2 = 0.27$

Max Pressure at base = $20 \times 0.27 \times 1.35$
= 7.29

$H = 7.29 / 2 \times 1.35 = 4.92 \text{ kN}$



MAX BM = $1.476 \text{ kNm} \times 1.6 = 2.36 \text{ kNm}$
negligable

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USE 2 No 100 Block leaves

filled and reinforced with A393

METH

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Foundations (MAIN CASES)

Central 325 wall.

Loading KN/m

Roof 5.475 x 1.925 10.5

Wall 6.0 x 7.325 43.95

Upper ground slab

1.7 x 7.1 12.07

66.52

using A.C.B.P. 100 KN/m²

found width reqd = $66/100 = 0.66$

USE 1000 wide by 300 deep.

External wall

Roof 3.85 x 1.925 7.4

Wall 6.0 x 4.45 26.7

34.1

USE 1000 wide by 300 deep.

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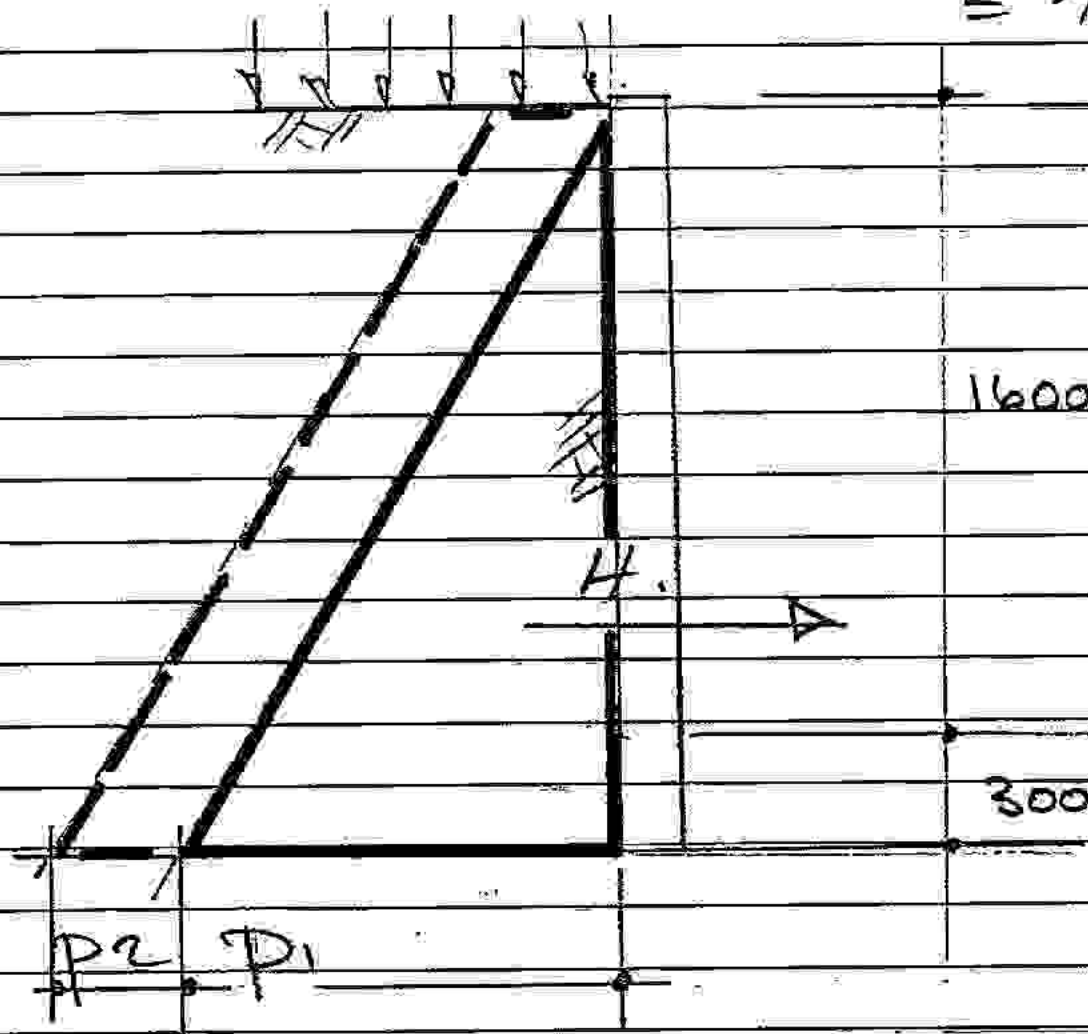
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RETAINING WALLTake car parking
5 kN/m² surcharge.additional height due
to surcharge

$$= \frac{5}{20} = 0.250$$



Soil

$$\gamma = 20 \text{ kN/m}^3$$

1600

$$\phi = 35^\circ$$

$$K_2 = 0.27$$

300

$$P_1 = 20 \times 0.27 \times 1.9 = 10.26 \text{ kN}$$

$$P_2 = 20 \times 0.27 \times 0.25 = 1.35 \text{ kN}$$

$$H = 10.26 / 2 \times 1.9 = 9.747 \text{ kN}$$

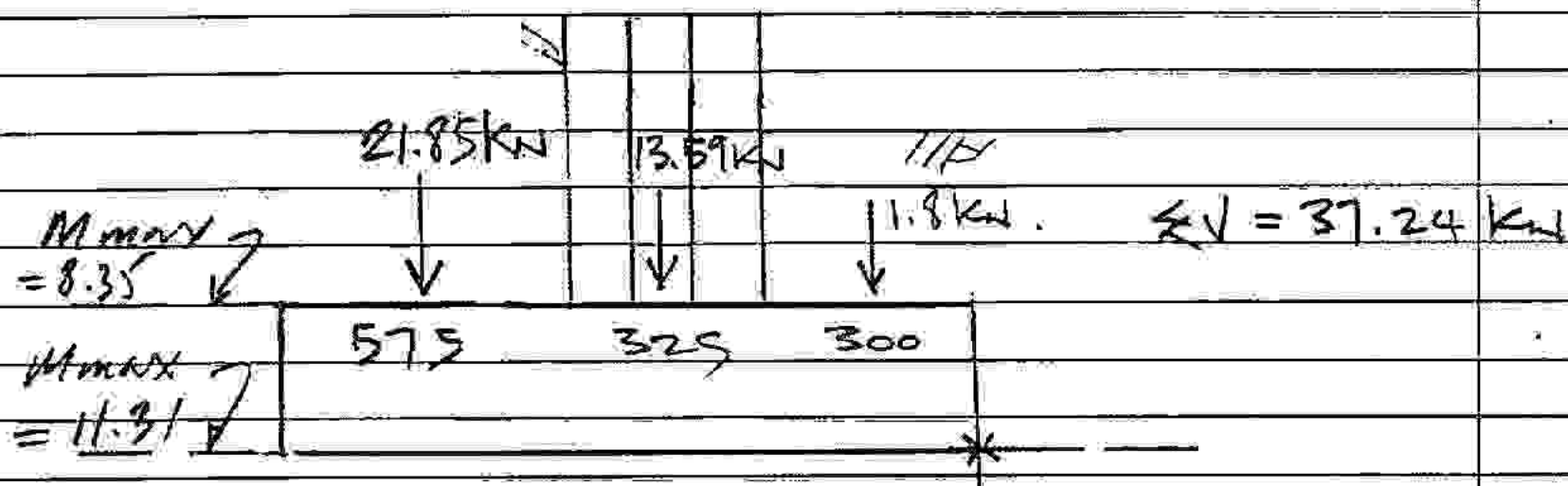
$$\text{MAX BM} = 1.35 \times 1.9 \times 0.85 + 9.747 \times 0.633$$

(at wall Base)

$$= \underline{\underline{8.35 \text{ kNm}}} \quad (\text{WT} = 1.6 \times 8.35 = 13.36)$$

NOTE WATER PRESSURE PROVIDE WEEP
HOLES \Rightarrow ZERO PRESSURE

DESIGN OF FOUNDATION



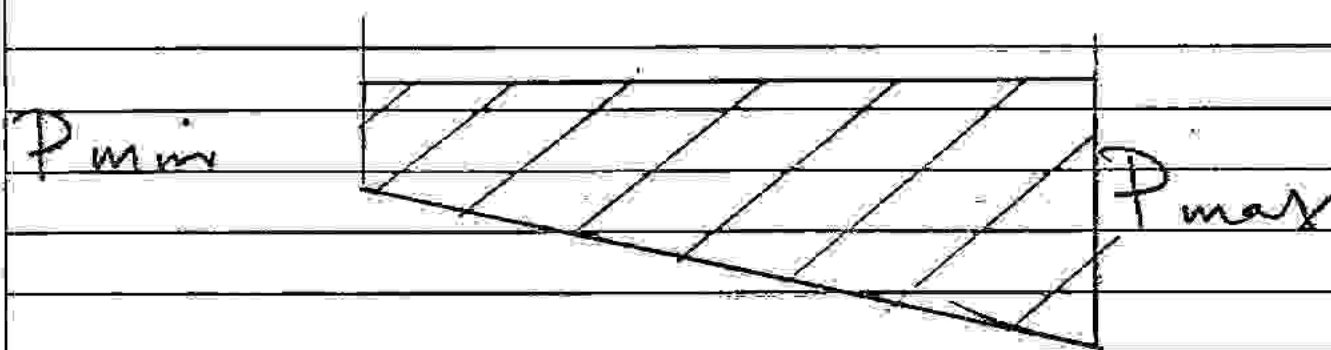
$$M_{\text{about } X} = 11.31 - 1.8 \times 0.15 - 13.59 \times 0.463 - 21.85 \times 0.913$$

$$= -15.2 \text{ kNm}$$

$$\bar{x} = 15.2 / 37.24 = 0.408$$

$$e = 0.600 - 0.408 = 0.192 \text{ m}$$

$$e < 16 \times 200 / 6 = 200 \text{ mm}$$



$$P_{max} = \frac{37.24}{1.2} \left(1 + \frac{6 \times 192}{1200} \right)$$

$$= 60.82 \text{ kN/m}^2 \text{ satisfactory}$$

$$P_{min} = 1.24 \text{ kN/m}^2$$

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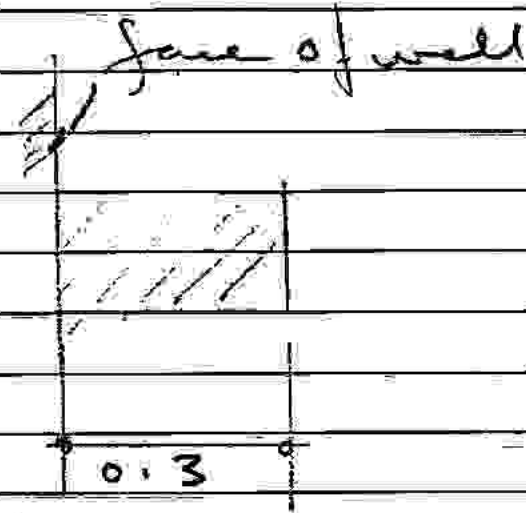
Section

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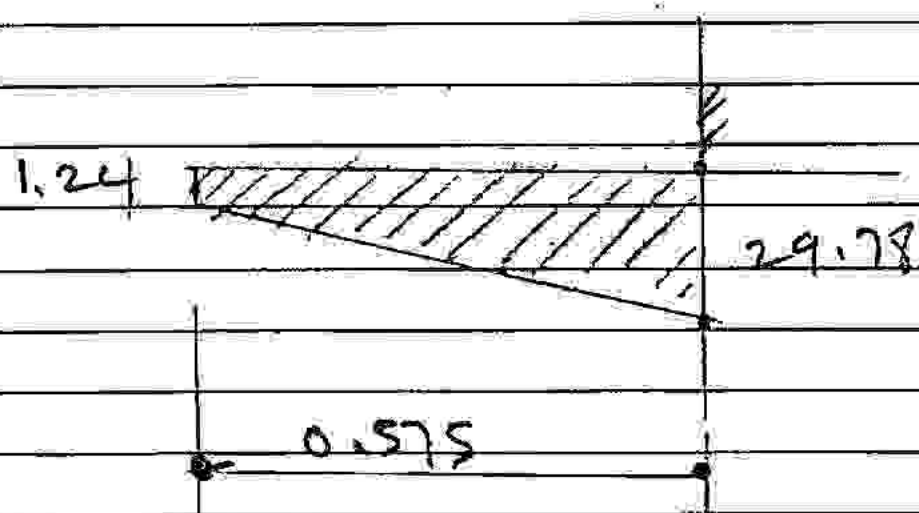
CONSERVATIVELY TAKE 60.82 kN/m^2 AS CONSTANT



MAX BM (ult)

$$= 60.82 \times 1.6 \times 0.3 \times 0.15 = \underline{4.37 \text{ kNm}}$$

OPPOSITE SIDE



MAX BM (ult)

$$= 1.24 \times 1.6 \times 0.575 \times 0.575 / 2 + 0.575 / 2 \times 29.78 \times 1.6 \times 0.575 / 3$$

$$= \underline{2.592 \text{ kNm}}$$

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with a 300 mm deep base $d = 300 - 50 - 5$
 $= 245$

$$K = 4.37 \times 10^6 / 1000 \times 245^2 \times 35 = 0.002$$

$$l_d = 0.95$$

$$A_s \text{ reqd} = 4.37 \times 10^6 / 0.87 \times 460 \times 245 \times 0.95$$

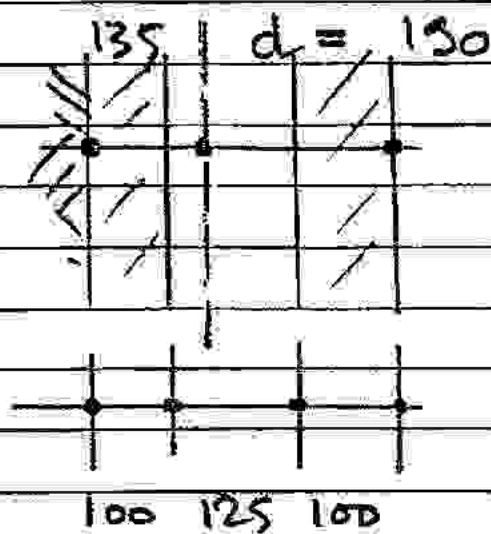
$$= 46.9 \text{ mm}^2$$

$$A_s \text{ min} = 0.0013 \times 1000 \times 300 = 390 \text{ mm}^2$$

⇒ USE A393 mesh.

DESIGN OF WALL.

$$M_{\text{max}} = 13.36 \text{ kNm ult.}$$



Take $d = 150 \text{ mm}$

Using 5N SOLID Blocks in mortar (III)

face size 440 x 215 Aspect Ratio = 2.15

$$f_k = 15.0 \quad \therefore f_f = 1.2 \times 5.0 = 6 \text{ N/mm}^2$$

(page 55 Design of Reinforced and Prestressed Masonry W.G. curtain, shawl, and Beek $f_f = 1.2$)

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$\gamma_{mm} = 2.3$

Design moment of Resistance

$= M_d = \frac{0.375 \times f_t \times b \times d^2}{\gamma_{mm}}$

$d = \sqrt{\frac{M_d \gamma_{mm}}{0.375 \times f_t \times b}}$

$= \sqrt{\frac{13.36 \times 10^6 \times 2.3}{0.375 \times 6 \times 1000}}$

$= 116.86 \text{ mm}$

which is less than effective depth provided. \therefore lever arm obtained from

lever arm $= \frac{M \gamma_{mm}}{2 f_t b d^2} = \frac{13.36 \times 10^6 \times 2.3}{2 \times 6 \times 1000 \times 190^2}$
 $= 0.071$

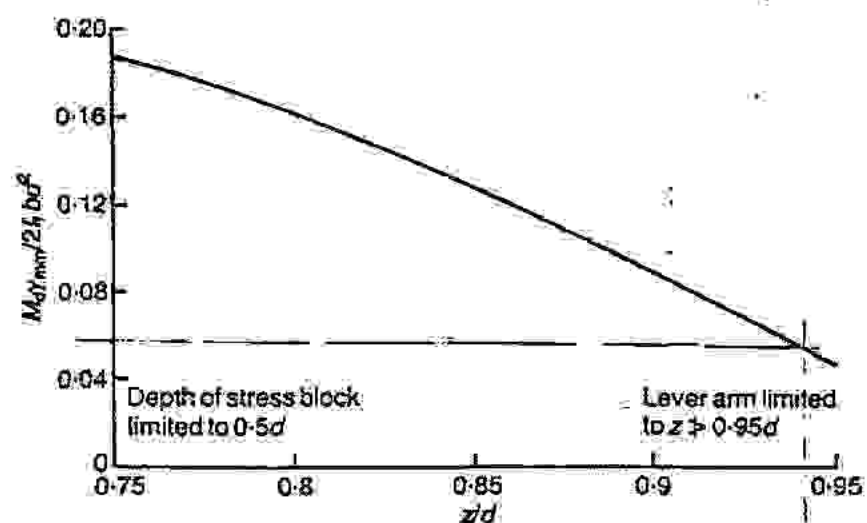


Fig. 3.7. Lever arm curve: reinforced brickwork based on rectangular stress box

lever arm

$= 190 \times 0.941$

$= 179 \text{ mm}$

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Using HGA 4100 STEEL $f_y = 460$

$$\gamma_{ms} = 1.15$$

Hence $M_d = A_s f_y z / \gamma_{ms}$

$$\therefore A_s = \frac{13.36 \times 10^6 \times 1.15}{460 \times 179}$$

$$= 187 \text{ mm}^2 \text{ per m run of wall}$$

USE A393 MESH, T10 @ 200
Starters from base.

Shear.

$$f_u = 0.35 + 17.5 p$$

$$p = A_s / bd = 393 / 1000 \times 190$$

$$= 0.0021$$

$$f_u = 0.35 + 17.5 \times 0.0021$$

$$= 0.386$$

$$\frac{f_u}{\gamma_{mV}} = \frac{V}{bd}$$

$$V = 0.386 \times 1000 \times 190 / 2$$

$$= 36.67 \text{ kN per m}$$

$$V_{\text{actual}} = 12.312 \text{ kN ok} \checkmark$$

USE 100 / 125 / 100 Corroated cavity wall
Reinforced with A393 MESH.

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CHECK SLIDING.

ACTIVE PRESSURE

$$= 20 \times 2.1 \times 0.333 = 13.98 \text{ kN}$$

PASSIVE

$$= 20 \times 0.6 \times 3.0 = 36 \text{ kN}$$

PASSIVE > ACTIVE ok ✓