

COUNCIL CATE APPLICATION

Office Use Only:

C/C NO: CC0448/03
FILE AND PART NO: _____
PROPERTY NO: _____
OFFICER: _____
TARGET DATE: _____
APPROVAL NO: _____
POST OUT ☐ or PICK UP ☐

Pittwater Council

ABN: 61340837871

ewood

10/03.



TAX INVOICE OFFICIAL RECEIPT

09/10/2003 Receipt No 126466

To T L KEENE & WHITTEN

173 WALLUMATTA RD
NEWPORT 2106

Qty/ Applic	Reference	Amount
	GLSL-Buil	\$120.00
GL Rec	CC0448/03	
1	TCER-Cone	\$792.50
GL Rec	1 X CC0448/03	
	GST	\$29.25
GL Rec		
To GL Receipts:		

Total Amount: \$441.75
Includes GST of: \$29.25

Amounts Tendered	
Cheque	\$441.75
Total	\$441.75
Rounding	\$0.00
Change	\$0.00
Nett	\$441.75

Printed 09/10/2003 3:07:24 PM
Cashier: ARichards

LODGE

The schedule and checklist are to accompany this application.
Not to be accepted.
Fee of lodgement.
We request that you lodge this application between the hours of 10.00am

APPLICATION RELATES TO: (please tick)

SUBDIVISION WORK

DEVELOPMENT CONSENT FOR THIS SITE

8/3/03 Date 01/10/03

DEVELOPMENT APPLICATION

Date

SITE DETAILS: (please print)

id WALLUMATTA ROAD Suburb NEWPORT
00 Section Deposited Plan 13457
VARIATIONS + ADDITIONS

: \$.....60,000.....

1: Class(es).....la.....

LSL - 120.00

CC - 321.75

441.75

SCANNED

10 OCT 2003

PITTWATER COUNCIL

PITTWATER COUNCIL

INSTRUCTION CERTIFICATE APPLICATION

2nd Floor, Unit 11, No 5 Vuko Place, Warriewood
PO Box 882, MONA VALE NSW 2103
DX 9018, MONA VALE
Facsimile: (02) 9970 7150
Telephone: (02) 9970 7222



9/10/03.

Office Use Only:

C/C NO: CC0498/03
FILE AND PART NO: _____
PROPERTY NO: _____
OFFICER: _____
TARGET DATE: _____
APPROVAL NO: _____
POST OUT ☐ or PICK UP ☐

LODGEMENT

- All information required by the schedule and checklist are to accompany this application.
- Incomplete applications will not be accepted.
- Fees are to be paid at the time of lodgement.
- To minimise delays it is suggested that you lodge this application between the hours of 10.00am and 4.30pm weekdays.



THIS APPLICATION RELATES TO: (please tick)

BUILDING WORK ☒

SUBDIVISION WORK

AN EXISTING DEVELOPMENT CONSENT FOR THIS SITE

Consent No N0483/03 Date 01/10/03

A CONCURRENT DEVELOPMENT APPLICATION

Application No _____ Date _____



SITE DETAILS: (please print)

House No 173 Street/Road WALLUMATTA ROAD Suburb NEWPORT
Postcode 2106 Lot 200 Section _____ Deposited Plan 13457
Description of Proposal ALTERATIONS + ADDITIONS

VALUE OF DEVELOPMENT: \$.....60,000.....

Nominated Building Classification: Class(es).....1a.....

LSL - 120.00

CC - 321.75

441.75

APPLICANT: (please print)
Name/Company MATTHEW PAUL WHITTEN
Address 173 WALLUMATTA RD NEWPORT 2106
Phone (02) 9997 3205 Daytime Contact No () 0438 373047

I declare that all of the particulars and information supplied in connection with this application are correct.
Further, I acknowledge that I am aware of my obligations under the Disability Discrimination Act.

Signature [Signature] Date 7/10/03

OWNER (please print)

This section must be signed by ALL owners

I/we consent to the lodgement of this application and permit Council authorised personnel to enter the site for the purpose of inspections.

Owner/s MATTHEW PAUL WHITTEN
TRACEY LEE KERRIN

Address AS ABOVE Postcode _____

Signature(s) [Signature] T.L.

- If the property has recently been purchased, written confirmation from the Purchaser's Solicitor must be provided.
- If contracts have been exchanged for purchase of the land, the current owner is to sign the form.
- If signed on behalf of a Company, the seal must be stamped over the signature.
- If the land is below mean high water mark, the written consent of the Crown is required.
- If the written consent is not signed by all owners of the property, this application will not be accepted.

BUILDER'S NAME AND ADDRESS

(must be completed when the proposal involves residential building work): (please print)

Are you an Owner-Builder? YES, Permit No.

Licensed Builder Details

Name/Company PAUL CASSIDY CONSTRUCTION P/L
Address 30 PARKES RD COLLARONI PLATEAU NSW 2097
Phone (02) 9984 0454 Daytime Contact No () 0417 029 580
Licence No 431546 Insurance Policy No PENDING.

Note: (1) Where the works are to be carried out by a licensed builder, documentary evidence must be submitted confirming that the builder's insurance is current and appropriate for this proposal.

(2) Prior to the release of the Construction Certificate, the owner/builder permit must be sighted by a Council Officer.

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CONSTRUCTION MATERIALS/DETAILS: (please print) (must by law be accurate)

Construction materials

External walls STONE TIMBER GLASS Roof COLOR BOND

Floor CONCRETE Wall frames TIMBER

Details

Current use of the land/building(s) DWELLING

Site area 550 m²

Floor area - existing 222 m²

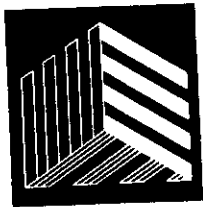
- proposed 12.8 m²

Total 232.8 m²

Number of Storeys TWO

Number of dwellings to be demolished NIL

Number of dwellings proposed N/A.



DOCHERTY
CONSULTING
ENGINEERS
Structural and Civil

9 October 2003

Our Ref: 30902C4

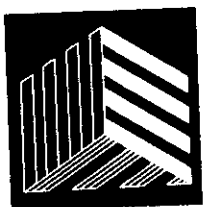
Civil Engineer's Certificate

**Alteration and Addition of
173 Wallumatta Road, Newport
for Mr M Whitton**

We have reviewed the proposed sediment control measures as shown on drawing No. 03039-1 revision A, for the above project, and hereby certify that they have been designed in accordance with the requirements of the NSW Department of Land and Water Conservation's "Urban Erosion and Sediment Control" manual.

Yours faithfully,
Docherty Consulting Engineers Pty Ltd

K R Docherty
BE ME PEng
Director



DOCHERTY
CONSULTING
ENGINEERS
Structural and Civil

23 September 2003

Our Ref: 30902C1

Structural Engineer's Certificate

Alteration and Addition of 173 Wallumatta Road, Newport for Mr M Whitton

We hereby certify that the structural drawings produced for the above project have been designed in accordance with the relevant Australian Standards and in particular with the following:

- ☐ AS 1170 Minimum design loads on structures,
- ☐ AS 1720 Timber structures,
- ☐ AS 1684 Residential timber-framed construction,
- ☐ AS 3600 Concrete structures,
- ☐ AS 4100 Steel structures,
- ☐ AS 2870 Residential slabs and footings
- ☐ AS 3700 Masonry Structures.

We have issued the following drawings covered by this certification:

- ☐ 30902S01 Rev 0 Constructions notes
- ☐ 30902S02 Rev 0 Concrete plan & sections
- ☐ 30902S03 Rev 0 Deck plan & sections
- ☐ 30902S04 Rev 0 Steel and timber details

Yours faithfully,
Docherty Consulting Engineers Pty Ltd

K R Docherty
BE ME PEng
Director



7 October 2003

Our Ref: 30902C2

Structural Engineer's Certificate

**Alteration and Addition of
173 Wallumatta Road, Newport
for Mr M Whitton**

We hereby certify that the existing structure is structurally adequate to support the proposed alterations and additions. This certification is subject to any modifications deemed necessary during construction.

Yours faithfully,
Docherty Consulting Engineers Pty Ltd

K R Docherty
BE ME PEng
Director

GEOTECHNICAL RISK MANAGEMENT POLICY FOR PITTWATER
FORM NO. 2 - To be submitted with detailed design for construction certificate

Development Application for _____
 Name of Applicant _____
 Address of site _____

Declaration made by Structural or Civil Engineer in relation to the incorporation of the Geotechnical issues into the project design

I, KYLE ROBERT DOHERTY on behalf of DOHERTY CONSULTING ENGS.
 (insert name) (trading or company name)

on this the 7/10/03
 (date)

certify that I am a Structural or Civil Engineer as defined by the Geotechnical Risk Management Policy for Pittwater. I am authorised by the above organization/company to issue this document and to certify that the organization/company has a current professional indemnity policy of at least \$2million. I also certify that I have prepared the below listed structural documents in accordance with the recommendations given in the Geotechnical Report for the above development

Geotechnical Report Details:

Report Title: VN 20583C
 Report Date: 13/9/03
 Author: Jack Hodgson Consultants P/L

Structural Documents list:

30702500/0, 501/0, 502/0, 503/0 & 504/0.

I am also aware that Pittwater Council relies on the processes covered by the Geotechnical Risk Management Policy, including this certification as the basis for ensuring that the geotechnical risk management aspects of the proposed development have been adequately addressed to achieve an "Acceptable Risk Management" level for the life of the structure taken as at least 100 years unless otherwise stated and justified.

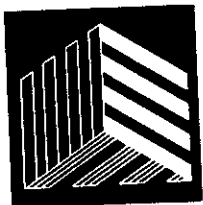
KYLE R DOHERTY
 (name)

[Signature]
 (signature)

Declaration made by Geotechnical Engineer or Engineering Geologist in relation to Structural Drawings

I prepared and/or technically verified the abovementioned Geotechnical Report as per Form 1 dated 17/6/03 and now certify that I have viewed the above listed structural documents prepared for the same development. I am satisfied that the recommendations given in the Geotechnical Report have been appropriate taken into account by the structural engineer in the preparation of these structural documents. I am aware that Pittwater Council relies on the processes covered by the Geotechnical Risk Management Policy, including this certification as the basis for ensuring that the geotechnical risk management aspects of the proposed development have been adequately addressed to achieve an "Acceptable Risk Management" level for the life of the structure taken as at least 100 years unless otherwise stated and justified in the Report and that reasonable and practical measures have been identified to remove foreseeable risk.

Signature [Signature]
 Name John [unclear]
 Chartered Professional Status Member of the Institution of Professional Engineers
 Membership No. 414 121



**DOCHERTY
CONSULTING
ENGINEERS**
Structural and Civil

9 October 2003

Our Ref: 30902C3

Civil Engineer's Certificate

**Alteration and Addition of
173 Wallumatta Road, Newport
for Mr M Whitton**

We hereby certify that the existing stormwater system has been assessed and was found to perform satisfactorily, and is capable of servicing the proposed addition.

Yours faithfully,
Docherty Consulting Engineers Pty Ltd

K R Docherty
BE ME PEng
Director

CONSTRUCTION CERTIFICATE PROCEDURE

ADDRESS:

173 Wallumatta Road

CC NO: CC0418/03

DA NUMBER: N0483/03

1. THE WORKING PLANS/STRUCTUREL/GEOTECHNICAL
ENGINEERING PLANS/EROSION CONTROL PLANS ETC
COMPLY WITH THE CONDIIONS OF DEVELOPMENT
CONSENT

DEVELOPMENT OFFICER: _____

REASONS WHY NOT?

2. THE LANDSCAPE PLAN COMPLY WITH THE
CONDITIONS OF DEVELOPMENT CONSENT

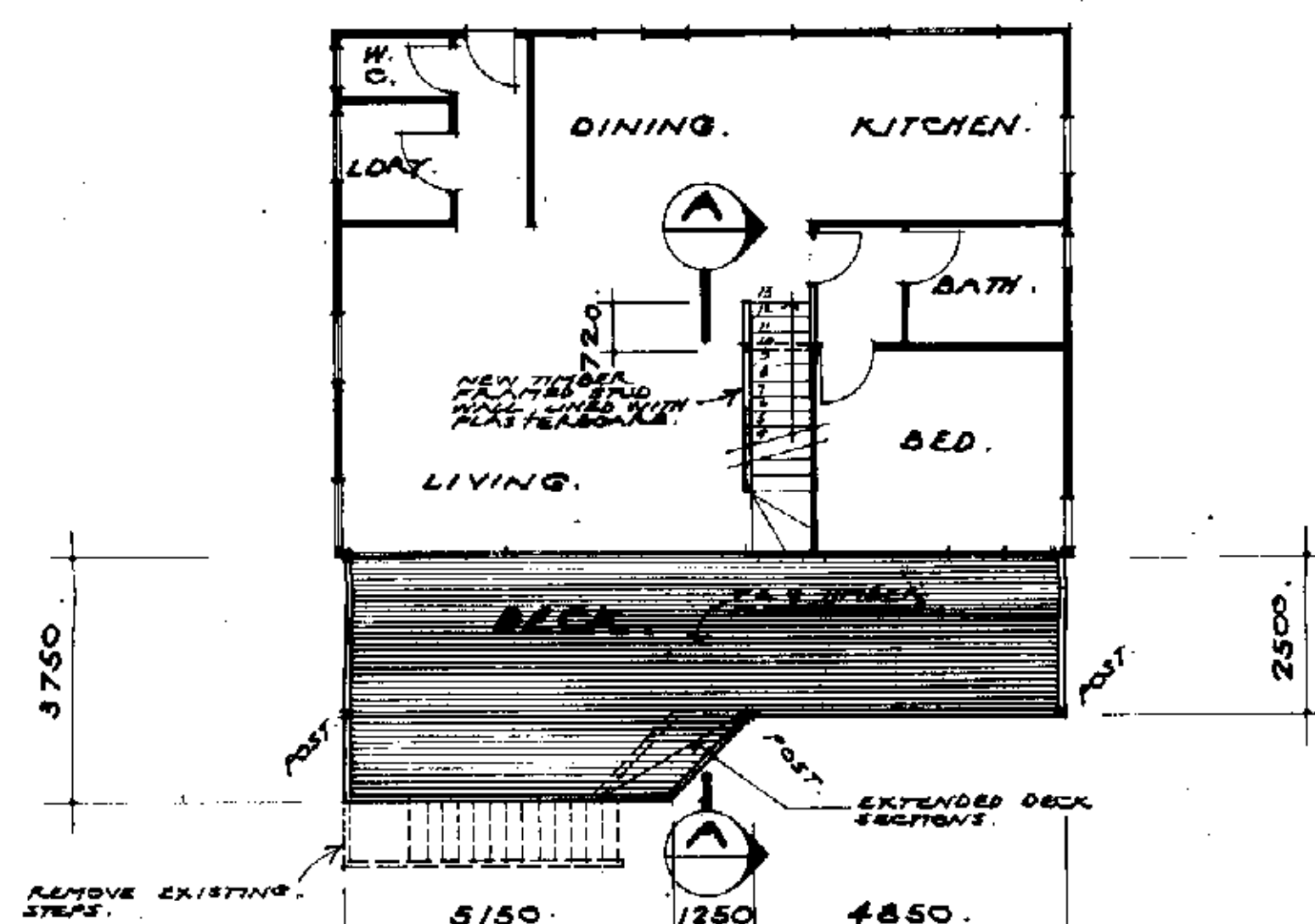
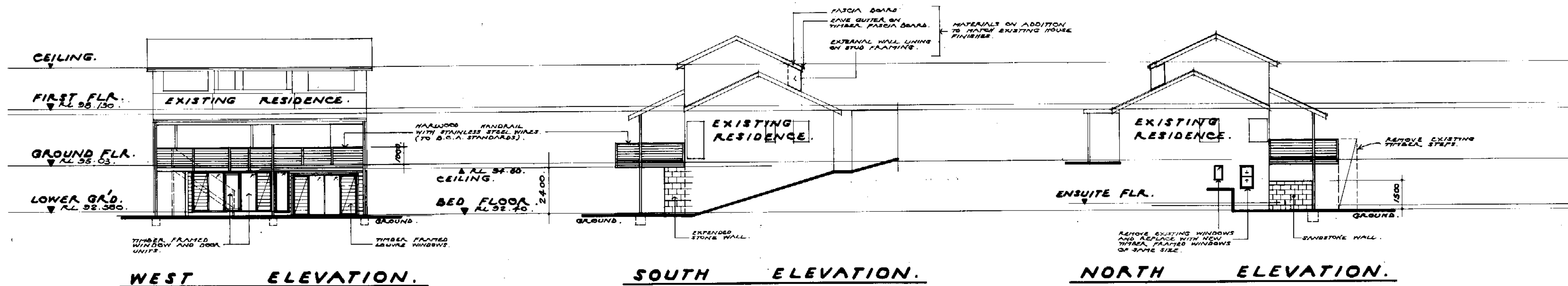
LANDSCAPEOFFICER:: _____

REASONS WHY NOT?

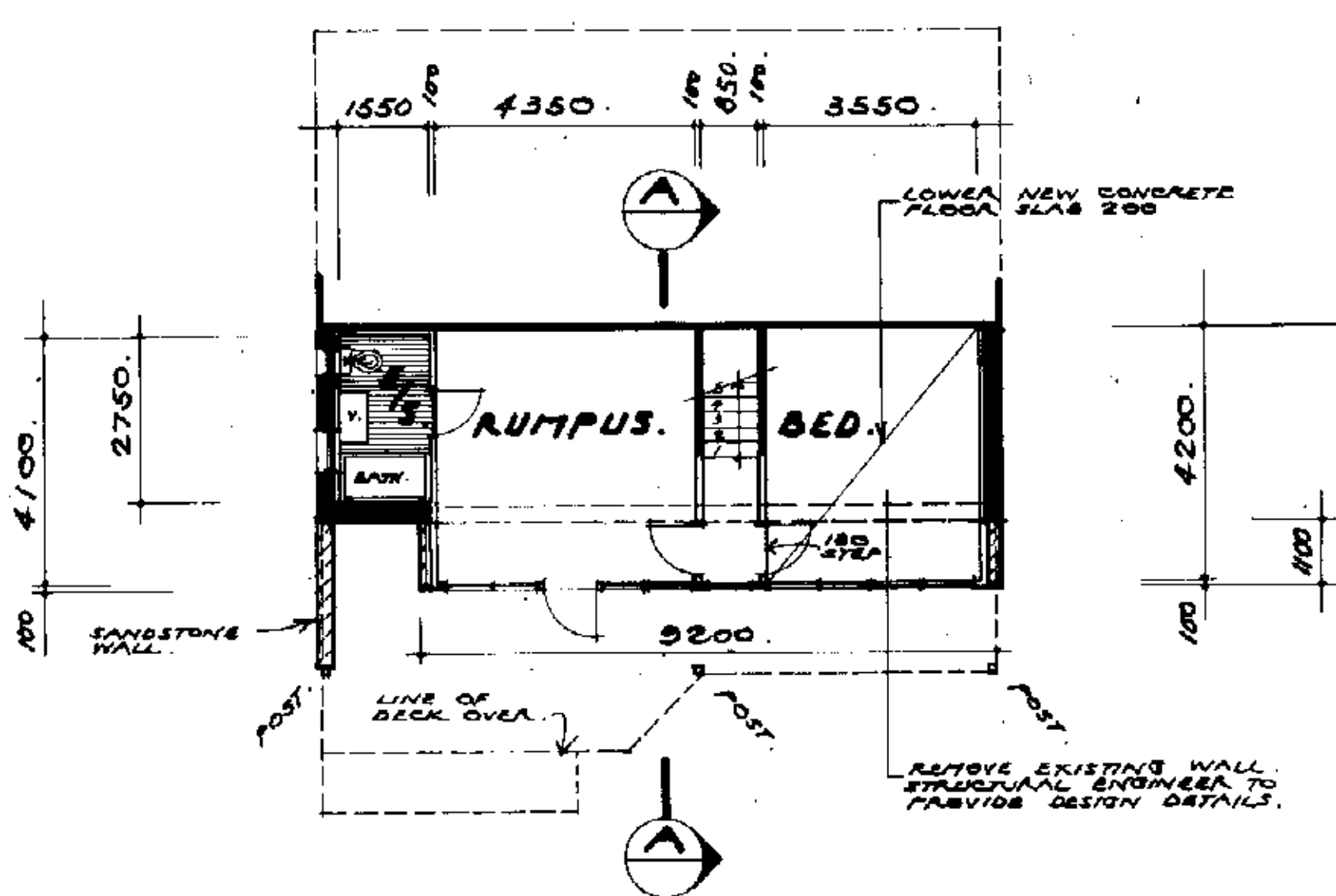
3. THE WORKING DRAWINGS COMPLY WITH THE BCA

BUILDING SURVEYOR: _____

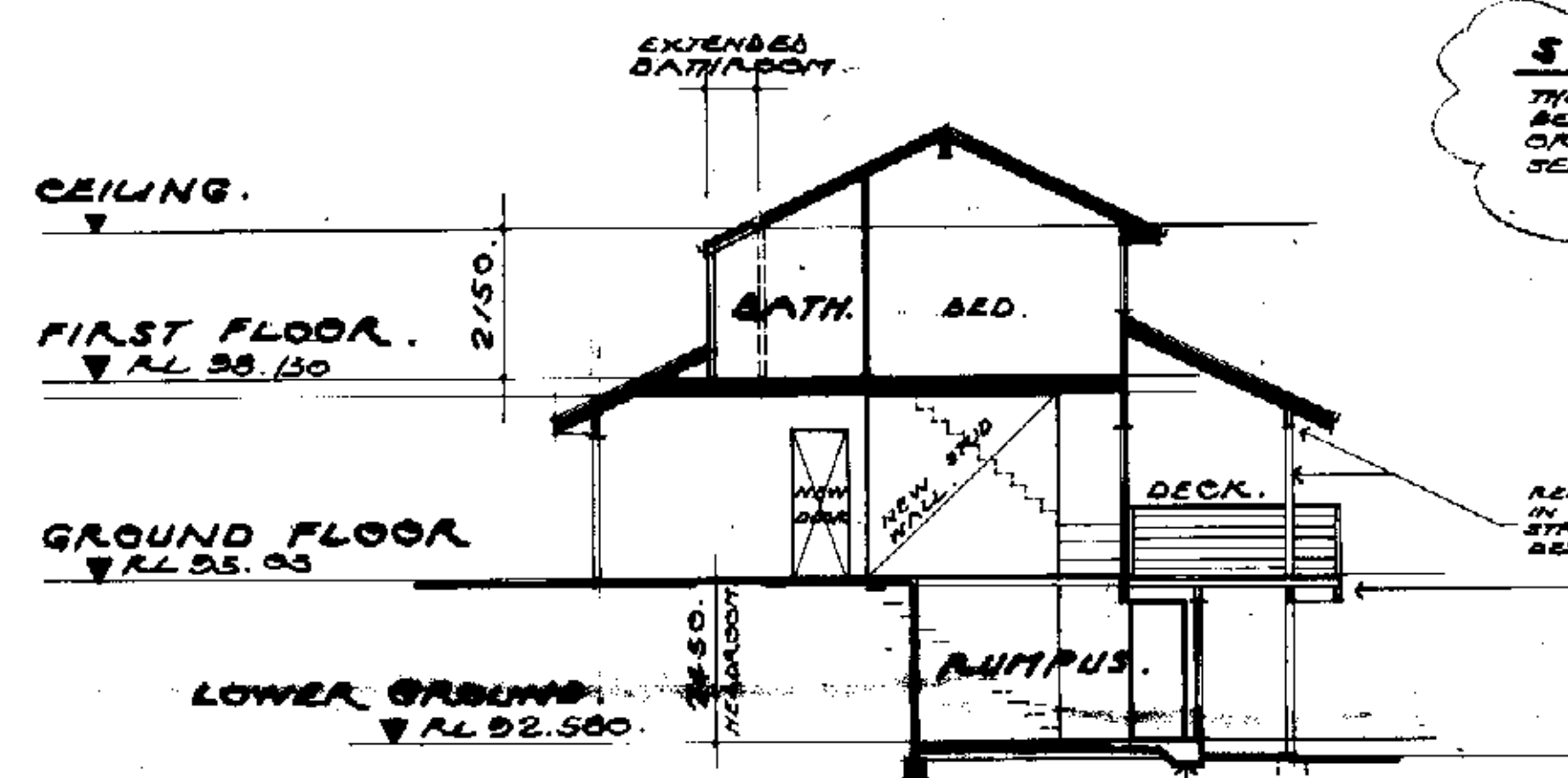
REASONS WHY NOT?



GROUND FLOOR PLAN.

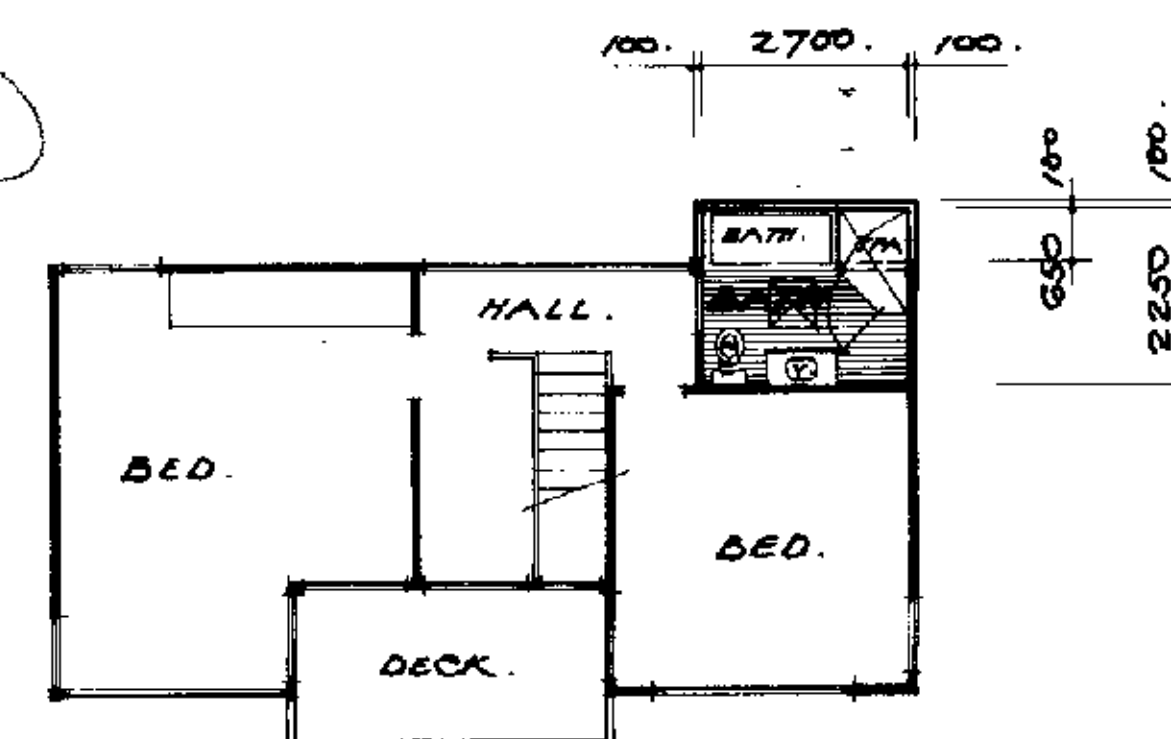


LOWER GROUND FLR. PLAN.



SECTION A-A.

STORMWATER NOTE.
THE EXISTING STORMWATER SYSTEM SHALL BE CERTIFIED BY A QUALIFIED CIVIL ENGINEER OR SURVEYOR THAT IT IS CAPABLE OF SERVING THE PROPOSED ADDITIONS.

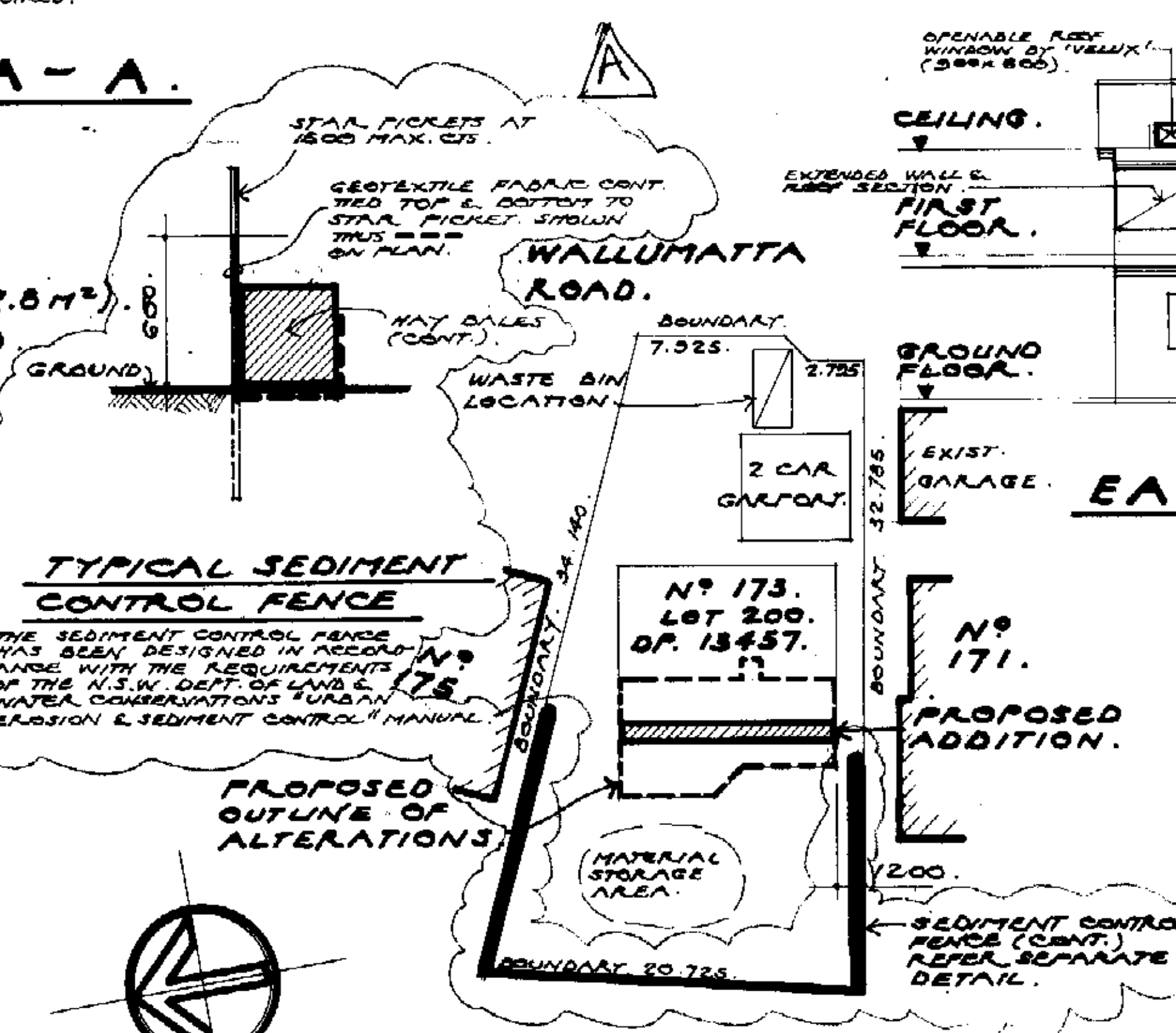


FIRST FLOOR PLAN.

SITE NOTES.
SITE AREA 550.0 M².
EXISTING FLOOR AREA 222.0 M².
NEW FLOOR AREA 234.8 M² (12.8 M²).
P.S.A. 0.42 TO 1.00.

LANDSCAPE NOTE.
THERE SHALL BE NO CHANGE IN THE EXISTING LANDSCAPE PERCENTAGE OF 59% DUE TO THE PROPOSED WORKS.

FINISH DESCRIPTION.	
ELEMENT	DESCRIPTION.
WINDOWS AND DOORS.	WESTERN RED CEDAR FRAMES FINISHED IN CLEAR STAIN.
TIMBER DECK.	WINDWOOD TIMBER GRANT DECKS ON STEEL STRUCTURE FINISH IN NATURAL GREEN COLOR.
HANDRAIL.	HARDWOOD TIMBER FRAMES STAINLESS STEEL WITH STAINLESS WIRING.
SANDSTONE WALLS.	SYDNEY SANDSTONE BY GOSFORD QUARRIES.
ROOF SHEETING.	
EXTERNAL WALLS.	



SITE PLAN. 1:250.

DRAWING PREPARED BY:
A. BULLEN (B.C.G. DESIGNER)
12.5.2003.



EAST ELEVATION.

PROJECT.	
PROPOSED ALTERATIONS AND ADDITIONS TO 173 WALLUMATTA RD. NEWPORT FOR MR. M. WHITTON.	
TITLE	
WORKING DRAWING.	
BUILDING DESIGN.	
ALL WALLS P/L.	
13 FRANCIS ST. 0413.757.300.	
FAIRLIGHT. 2004. 99774155.	
DRAWN.	A.B.
DATE.	11/03
SCALE.	1/100
CHECKED.	A.
DRAWING NUMBER.	03039-1.A
REV.	

ALTERATIONS AND ADDITIONS
AT 173 WALLUMATTA ROAD — NEWPORT
FOR Mr M WHITTON

STRUCTURAL DRAWINGS

- | | |
|--------|---------------------------|
| S00 /0 | COVER SHEET |
| S01 /0 | CONSTRUCTION NOTES |
| S02 /0 | CONCRETE PLAN & DETAILS |
| S03 /0 | DECK DETAILS AND SECTIONS |
| S04 /0 | STEEL AND TIMBER DETAILS |

[illegible]

CONSTRUCTION NOTES

GENERAL

- G1 This drawing shall be read in conjunction with all other working drawings and specifications and with such other written instructions as may be issued during the course of construction. All discrepancies and variations shall be referred to the Engineer before proceeding with the work.
- G2 All work shall be in accordance with the requirements of all relevant and current SAA Codes.
- G3 All dimensions relevant to setting out and off-site work shall be verified before construction and fabrication is commenced.
- G4 Dimensions shall not be obtained by scaling the structural drawings.
- G5 During construction the structure shall be maintained in a stable condition and no part of the structure shall be overstressed.
- G6 The structural elements shown on these drawings have been designed for the following superimposed loads : Internal floor live load = 2 kPa
Deck floor live load = 3 kPa
Wind classification = N3

CONCRETE

- C1 All workmanship and materials shall be in accordance with current editions of AS3600 except as varied by contract documents.
- C2 Cement shall be Type "A" unless specified otherwise. Concrete components and quality shall be as follows:

Structural Element	F _c MPa	Slump mm	Aggr. size (mm)	Density (kg/m ³)
Footings, levelling strips	20	80	20	2400
Slab on ground	25	80	20	2400

- C3 Clear concrete cover to reinforcement unless shown otherwise shall be:

Element	Formed Not exposed	Formed exposed soil or rain	Poured against membrane
Slabs	30	40	30
Walls	30	40	n/a
Beams	40	50	n/a
Columns	40	50	n/a
Pedestals	50	50	n/a
Footings	50	65	40

- C4 Construction joints shall be properly formed and used only where shown or specifically approved by the Engineer.
- C5 No holes, chases or embedment of pipes, other than those shown on the structural drawings, shall be made without the written prior approval of the Engineer.
- C6 Splices in reinforcement shall be made only in the positions shown on the Structural drawings, or as otherwise approved by the Engineer.

CONCRETE

- C7 Lapped fabric splices shall be so made that the overlap, measured between the outermost wires of each sheet of fabric, is not less than the wire spacing plus 25mm.
- C8 Reinforcement is shown diagrammatically, it is not necessarily shown in true projection.
- C9 All reinforcement fabric shall be to AS1304
All reinforcement bars shall be to AS1302.
Symbols: F: wire reinforcing fabric.
W: Grade 450 deformed wire
S: Grade 200 deformed bar
N: Grade 500 deformed bar.

Example of designation code for reinforcing bars :-

No of bars in group - 17N20-350

nominal bar size in mm - 17 spacing in mm.

UNO stands for unless noted otherwise.

- C10 Where transverse tie bars are not shown, provide Y12-400. Splice where necessary and lap with main bars for 400mm.

- C11 All concrete shall be placed and "cured" in accordance with AS3600. Where curing compound is used it must be applied (a) onto slabs within 2 hours of finishing the concrete surface, (b) onto walls and columns immediately after removal of formwork.

- C12 Horizontal formwork shall be stripped when approved by the Engineer.

- C13 Slabs and beams shall bear only onto the beams, walls and other types of support as shown on the structural drawings. All other building elements shall be kept 15mm clear from soffits of structure.

- C14 During concrete placing the builder shall have on site rain protecting plastic sheeting and supports to keep it clear of wet concrete, and also aliphatic alcohol sprays to prevent plastic cracking in hot or windy conditions.

MASONRY

- M1 Where slabs or beams bear on masonry, the top course shall be level, smooth and covered with two layers of three-ply malthoid unless noted otherwise.
- M2 Masonry walls shall not be erected on suspended slabs or beams until all propping has been removed.
- M3 Bricks used in load bearing construction shall have a minimum compressive strength of 20 MPa unless otherwise noted.
- M4 All masonry shall comply with AS3700 and Australian Standards referenced within AS3700.
- M5 Masonry shall be articulated where required by AS2870 to satisfy footing design selections.

FOUNDATIONS

- F1 Footings have been designed for a bearing pressure of 100 kilopascals. Foundation material shall be approved for this pressure before placing concrete in footings and piers.
- F2 Soil Classification M has been assumed for design of footing to AS2870. The engineer shall inspect the foundation material prior to concrete placement.

BLOCKWORK

- B1 Blockwork shall be in accordance with AS2733
- B2 Concrete in base shall be Grade 20
- B3 Reinforcement symbol S requires bars as Note C9
- B4 Construct retaining walls with double-U blocks
- B5 Blocks shall be Grade 12 to AS2733
- B6 Clean out openings shall be used in all cores and cleaned out before grout filling.
- B7 Use recessed blocks for horizontal bars.
- B8 Grout shall be Grade 20 with 10mm aggregate and 230 slump
- B9 All cores shall be filled with grout
- B10 All mortar shall be 1 part cement to 1/2 part lime and 4-1/2 parts sand. (1 : 0.5 : 4.5)
- B11 Mortar dags and concrete fins shall be removed by rodding and cleaned out before grouting cores.
- B12 Where horizontal bars are specified in both faces they shall be in staggered courses.
- B13 Where vertical bars are shown lapped, the bar may be in one length to suit double-U blocks in stack bond

STRUCTURAL STEELWORK

- S1 All workmanship and materials shall be in accordance with AS4100, AS1554, AS3679 and AS1663 as applicable.
- S2 Unless otherwise noted all structural steel shall be Grade 300 (Grade 350 for hollow sections)
- S3 All bolts shall be high strength, galvanised.
- S4 Provide 25 thick cement mortar pad under steelwork supported on masonry.
- S5 Steel shall be painted with primer unless noted.
- S6 Lintels and beams partly exposed to the weather shall be hot dip galvanised to AS4680 unless noted.
- S7 All welds shall be 6mm continuous fillet all round U.N.O.

TIMBER FRAMING

- T1 All workmanship and materials shall be in accordance with AS1684 and AS1720 as applicable.
- T2 Use treated timber where required for durability
- T3 Do not use timber unsuitable for exposure to moisture in exposed locations
- T4 Provide structure bracing in accordance with AS1684
- T5 Provide structure tie down in accordance with AS1684
- T6 Use galvanised fixings where exposed to weather
- T7 Design is based on roof material shown on the drawings

PLAN CERTIFICATION
I am a Structural Engineer holding the qualification of BE (Civil) and ME (Structural) and I am appropriately qualified to certify the structural components of this project. I hereby state that these plans and details comply with the conditions of development consent, the provisions of the Building Code of Australia and/or relevant Australian/Industry Standards.

Kyle Docherty BE ME PEng
Docherty Consulting Engineers Pty Ltd



DOCHERTY CONSULTING ENGINEERS

Docherty Consulting Engineers Pty Ltd ABN 74 105 101 540 ACH 105 101 540
23 Claudette Street, Calvary Place, NSW 2067 ph/fax 02 9944 0662 email: k.docherty@docherty.com.au

Structural & Civil

Project
ALTERATION AND ADDITION AT
173 WALLUMATTA Rd - NEWPORT
FOR Mr M WHITTON

Drawn
RP

Approved
K R DOCHERTY

Date

Purpose of Issue
CONSTRUCTION

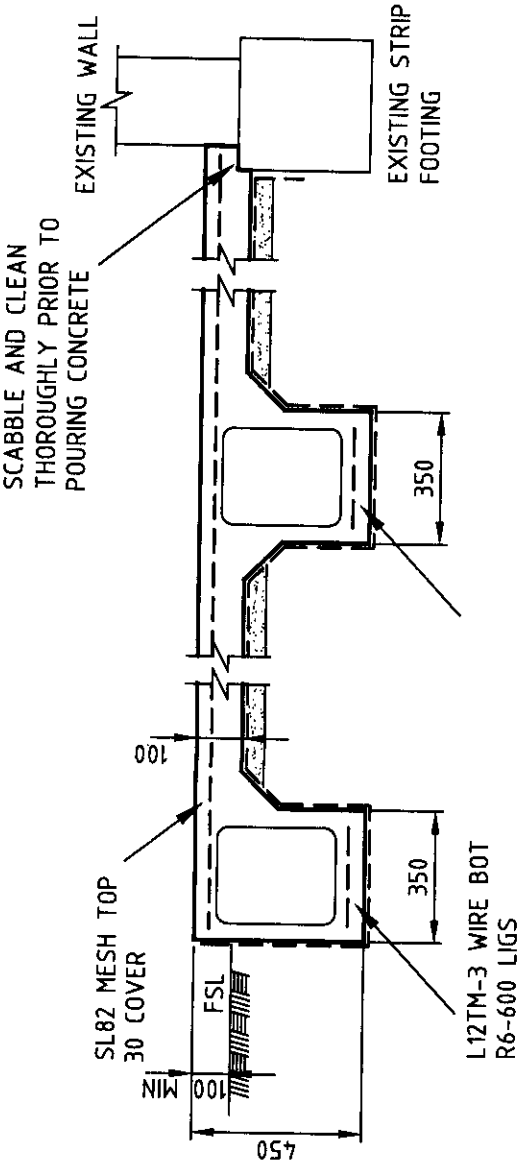
Scale
SHOWN

Drawing Title
CONSTRUCTION NOTES

Sheet
A3

Project No
30902

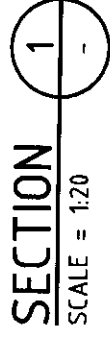
Rev
S01 0



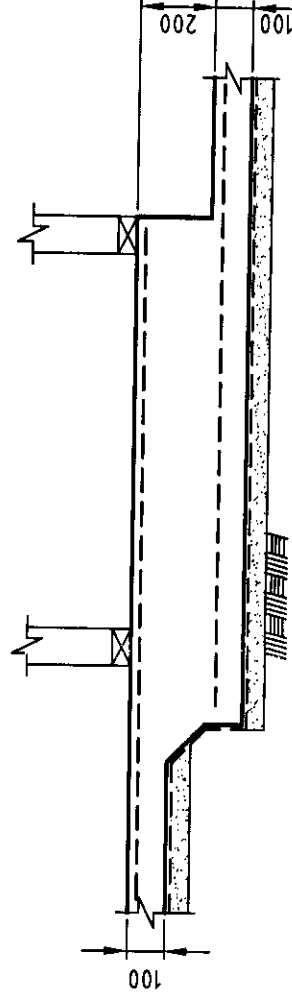
LOWER GROUND CONCRETE PLAN

SCALE 1:100

SLABS ON GROUND TO BE LAID ON WATERPROOF MEMBRANE ON 50 COMPACTED SAND. WHERE FILL IS REQUIRED, BRING UP TO LEVEL USING ROADBASE COMPACTED IN 150mm LAYERS USING HAND HELD COMPACTION EQUIPMENT.



FOOTINGS TO BEAR 300 MIN BELOW NATURAL GROUND LINE
ENGINEER TO INSPECT PRIOR TO CONCRETE POUR



SECTION 2
SCALE = 1:20

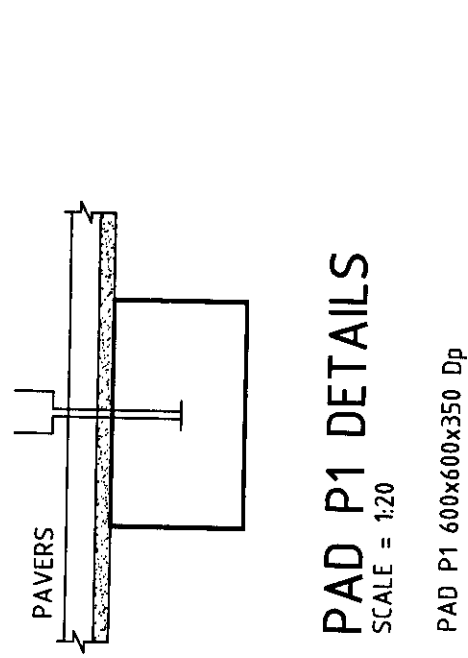
SCALE = 1:20

PLAN OR DOCUMENT CERTIFICATION

I am a qualified Civil & Structural Engineer
I hold the following qualifications M. Eng. Sc.
F.I.E. Aust. N Per 3 Civil & Structural No. 149788
Further I am appropriately qualified to certify the geotechnical component of the project.
I hereby state that these plans or details comply with the conditions of development consent. The provisions of the Building Code of Australia and/or appropriate Australian/Industry standards.

Name JACK HODGSON..... Date 5/12/2013.....

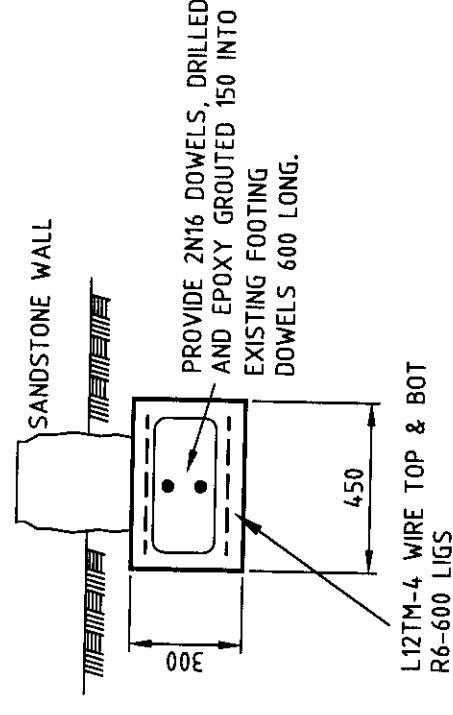
Date _____ Signature _____



PAD P1 DETAILS

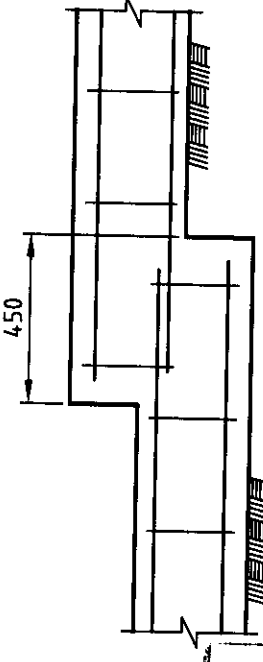
SCALE = 1:20

PAD P1 600x600x350 Dp



SF1 DETAILS

L12TM-4 WIRE TOP & BOT
R6-600 LIGS

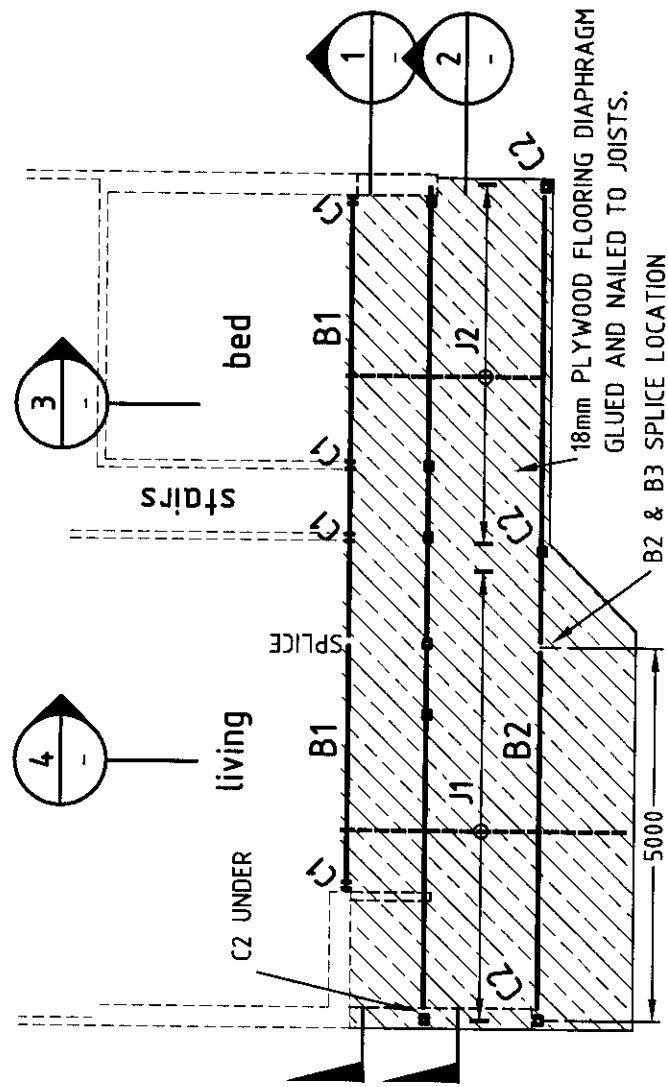


TYPICAL SLAB FOOTING STEP DETAIL

[illegible]

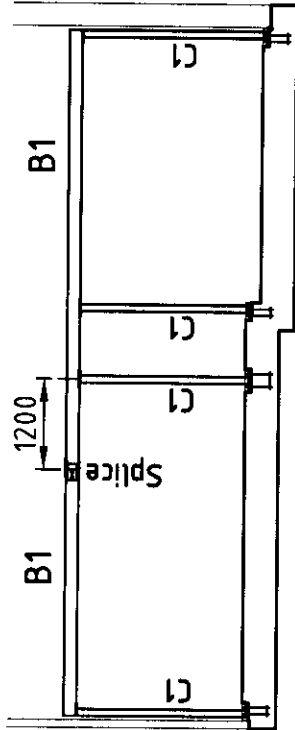
MEMBER SCHEDULE

- B1 180UB18
B2 300x100 H/W F27 FEATURE BEAM
B3 250x75 H/W F27 FEATURE BEAM
C1 100UC14
C2 140x140 H/W FEATURE POST
J1 170x45 F17 SEASONED H/W @ 300 Cts
J2 170x45 F17 SEASONED H/W @ 450 Cts



GROUND FLOOR FRAMING PLAN

SCALE 1:100

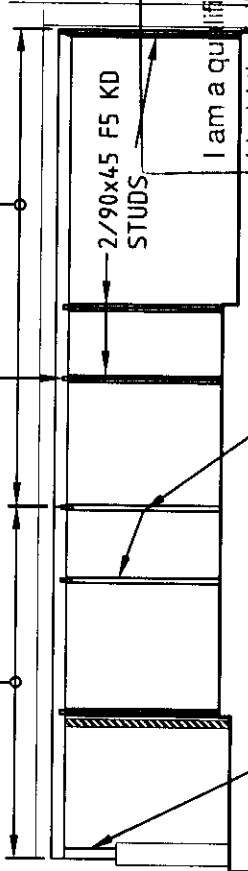


SECTION 1

SCALE = 1:100

170x45 F17 SEASONED H'WOOD CONTINUOUS BEAM

170x63 H'YSPAN CONTINUOUS BEAM



SECTION 2

SCALE = 1:100

PLAN OR DOCUMENT CERTIFICATION
I am a qualified Civil & Structural Engineer
I hold the following qualifications M. Eng. Sc.
F.I.E. Aust. N Per 3 Civil & Structural No. 149788
Further I am appropriately qualified to certify the geotechnical component of the project.

I hereby state that these plans or details comply with the conditions of development consent. The provisions of the Building Code of Australia and/or appropriate Australian/Industry standards.

JACK HODGSON 8/11/13

Signature

Date

PLAN CERTIFICATION
I am a Structural Engineer holding the qualification of BE (Civil) and ME (Structural) and I am appropriately qualified to certify the structural components of this project. I hereby state that these plans and details comply with the conditions of development consent, the provisions of the Building Code of Australia and/or relevant Australian/Industry Standards.

Kyle Docherty BE ME PEng
Docherty Consulting Engineers Pty Ltd



DOCHERTY CONSULTING ENGINEERS

Structural & Civil

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Project
ALTERATION AND ADDITION AT
173 WALLUMATTA RD - NEWPORT
FOR Mr M WHITTON

Drawn
RP

Approved
K R DOCHERTY

Date
23.09.03

Purpose of Issue
CONSTRUCTION

Drawing Title
DECK PLAN & SECTIONS

Scale
SHOWN

Sheet
A3

Project No
30902

Rev
S03

Rev
0

