



Pittwater Council

ABN 61 340 837 871

All Correspondence to be addressed to General Manager

Units 9, 11 & 12/ 5 Vuko Place
WARRIEWOOD NSW 2102
Avalon Customer Service Centre
59A Old Barrenjoey Road, AVALON 2107

Postal Address
P.O. Box 882
MONA VALE NSW 1660
DX 9018MONA VALE

Telephone (02)9970 1111
Facsimile (02) 9970 7150
Internet www.pittwaterlga.com.au
Email: pittwater_council@pittwater.nsw.gov.au

Environmental Compliance
8am to 6pm Mon - Thurs, 8am to 5pm Fri
Phone 9970 1111

15 December 2003

COPY

DE SOYRES MALONE ARCHITECTS
PO BOX 657
NEWPORT NSW 2106

Dear Sir/Madam

Re: Construction Certificate CC0533/03
Property: 60 ATTUNGA ROAD NEWPORT NSW 2106

Please find enclosed your approved Construction Certificate and stamped plans.

Did you know that work is unable to commence until such time as a completed **Notification of Commencement Form** has been submitted to Council at least two (2) days prior to starting work? To assist you please find enclosed a Notification of Commencement Form and Information Sheet.

Council is committed to providing a quality service and would value your business in being appointed as the Principal Certifying Authority for your development.

An Officer will contact you in the next few days to discuss your development and help ensure your development progresses smoothly.

Yours faithfully

Development Compliance Group

Per: 



Pittwater Council

Construction Certificate No: CC0533/03

COPY

Site Details: **60 ATTUNGA ROAD NEWPORT NSW 2106**

Legal Description: **Lot 1 DP 849561**

Type of Development: **Building Work**

Description: **Alterations and Additions to the dwelling**

Associated Development Consent No: **N0503/03** Dated: **09/09/2003**

Building Code of Australia Certification: **Class 1a**

Details of plans, documents or Certificates to which this Certificate relates:

- **Architectural Plans** prepared by de Soyres Malone Architects Pty Ltd dated 24 October 2003 Project No. 0218 Drawing Nos. CC-01, CC-11, CC-12, CC-13, CC-21, CC-31
- **Existing Stormwater System Adequacy Certification** prepared by Northern Beaches Consulting Engineers P/L, Job No. 031005 dated 17 October 2003
- **Structural Drawings** prepared by Northern Beaches Consulting Engineers P/L dated October 2003, Project No. 031005, Drawing Nos. S01, S02, S03, S04 & S05
- **Geotechnical Risk Management Policy** for Pittwater Form 2 prepared by Lucas Molloy and Daniel Bliss dated 5 November 2003
- **Existing Structural Adequacy Certification** prepared by Northern Beaches Consulting Engineers P/L Job No. 031005, dated 20 October 2003.

I hereby certify that the above plans, documents or Certificates satisfy:

- The relevant provisions of the Building Code of Australia.
- The relevant conditions of Development Consent No: N0503/03

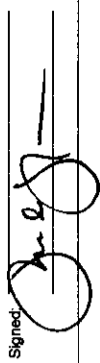
Further that the work, completed in accordance with the Building Code of Australia, all relevant Australian Standards and these plans and specifications, will comply with the requirements of Section 81A(5) of the Environmental Planning and Assessment (Amendment) Act, 1997.


Darren Greenow
Development Compliance Group

15 December 2003
Date of Endorsement

Note: You are reminded that pursuant to provisions of Clause 81A, you must nominate whether Council or an accredited certifier will be the principal certifying authority, also you must give notice to Council of your intention to commence work at least two days beforehand.

PLAN CERTIFICATION
 I hold the following qualification: Chartered Architect.
 Further, I am appropriately qualified to certify this component of the project.
 I hereby state that these plans or details comply with the conditions of the development consent, the provisions of the Building Code of Australia and/or relevant Australian industry standards.
 James de Soyres
 Date: 11 DEC 2009

Signed: 

This drawing is to be read in conjunction with the additional specification to achieve level 1 construction as defined by AS 3959-1999.
 Construction of buildings in bushfire prone areas.

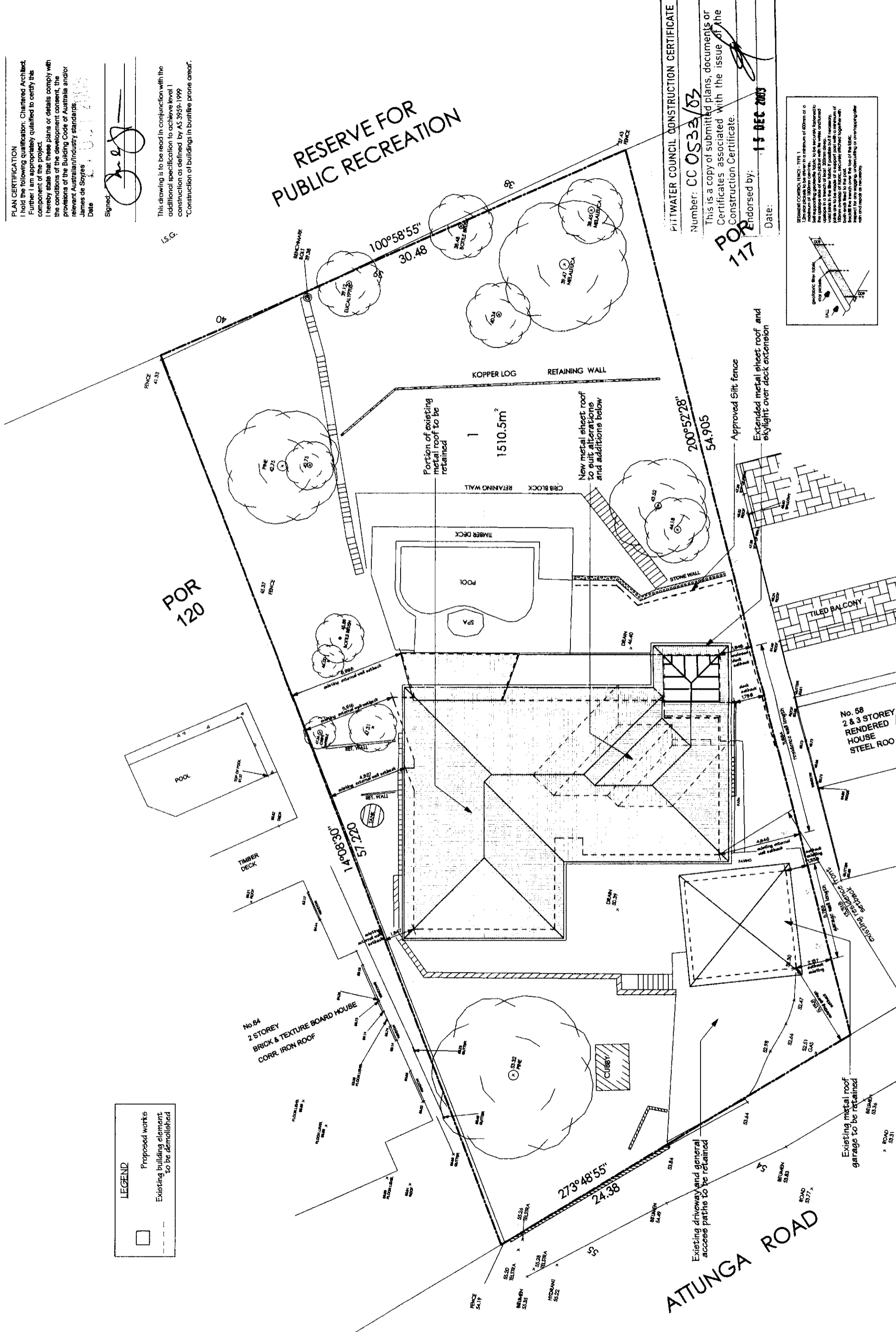
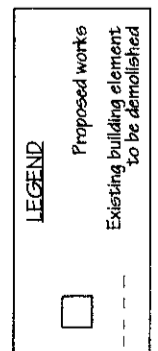
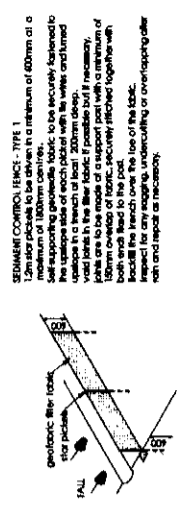
RESERVE FOR PUBLIC RECREATION

PITWATER COUNCIL CONSTRUCTION CERTIFICATE

Number: CC 0533/03

This is a copy of submitted plans, documents or Certificates associated with the issue of the Construction Certificate.

Endorsed by:  Date: 11 DEC 2009



de Soyres PO Box 657, Newport Beach, New South Wales 2106
 Malone 5 Heron Cove Marina, Queens Parade West, Newport
 Architects Pty Ltd Telephone: (02) 9979 1823 Facsimile (02) 9979 5263
 info@desoyresmalone.com

Scale: 1:200
 Project No: 0218
 Drawing No: CC-01

20 OCT 2009 Site plan
 CONSTRUCTION CERTIFICATE

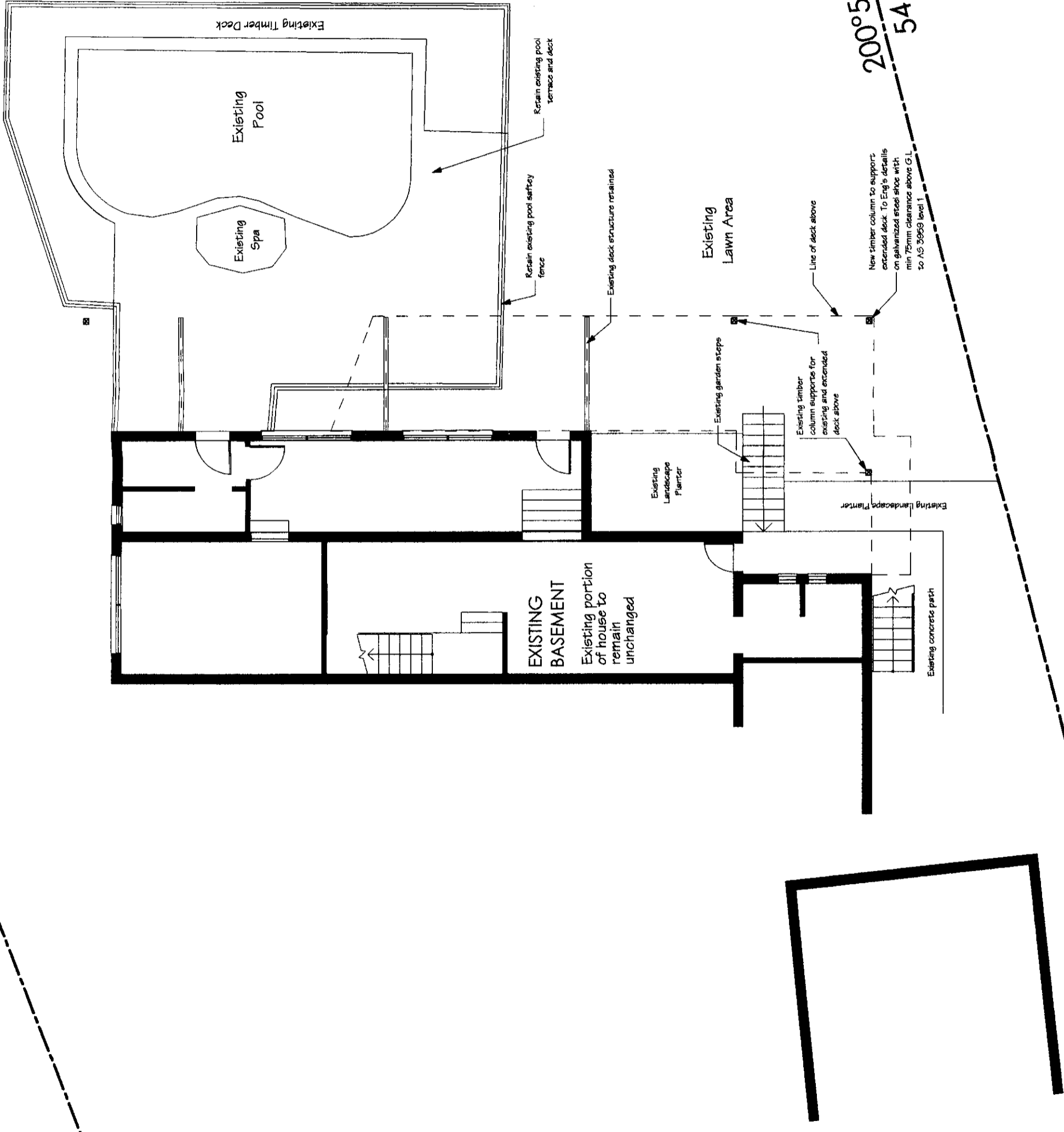
Proposed living room extension
 at 60 Attunga Road, Newport, NSW 2106
 for Mr & Mrs M McGain

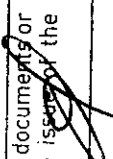
PLAN CERTIFICATION

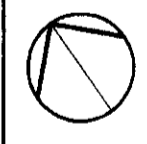
I hold the following qualification: Chartered Architect
 Further I am appropriately qualified to certify this component of the project
 I hereby state that these plans or details comply with the conditions of the development consent, the provisions of the Building Code of Australia and/or relevant Australian/industry standards.
 James de Soyres
 Date: 24 OCT 2009

Signat: 

This drawing is to be read in conjunction with the additional specification to achieve level 1 construction as defined by AS 3959:1999
 Construction of buildings in bushfire prone areas.



WATER COUNCIL CONSTRUCTION CERTIFICATE
 Number: CC 0533/03
 This is a copy of submitted plans, documents or Certificates associated with the issue of the Construction Certificate.
 Endorsed by: 
 Date: 15 DEC 2003



PLAN CERTIFICATION

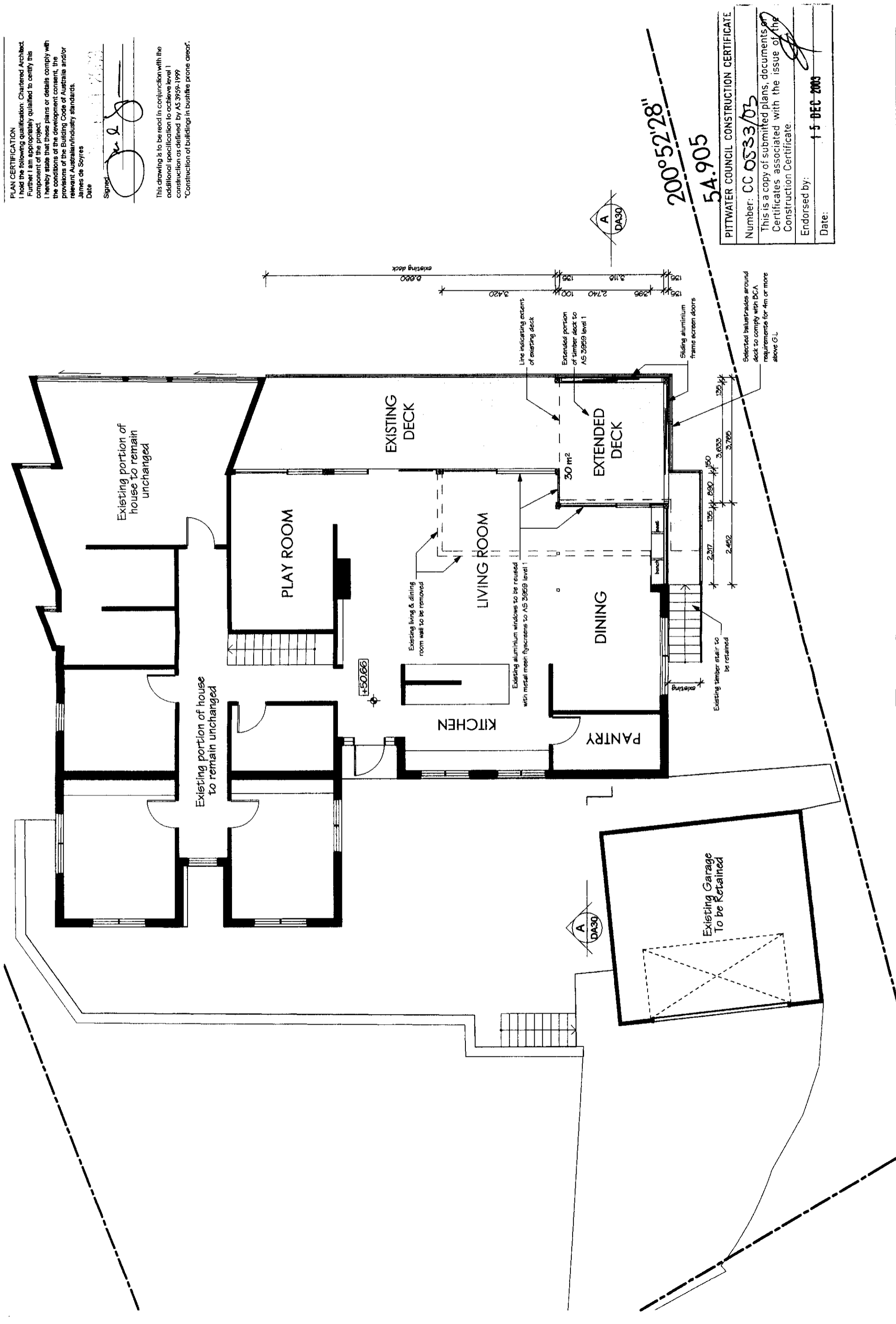
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James de Soyres
 Date

Signed

[Signature]

This drawing is to be read in conjunction with the additional specification to achieve level 1 construction as defined by AS 3959-1999
 Construction of buildings in bushfire prone areas



PITTWATER COUNCIL CONSTRUCTION CERTIFICATE
 Number: CC 0533/03
 This is a copy of submitted plans, documents or Certificates associated with the issue of the Construction Certificate.
 Endorsed by: *[Signature]*
 Date: 15 DEC 2003

PLAN CERTIFICATION

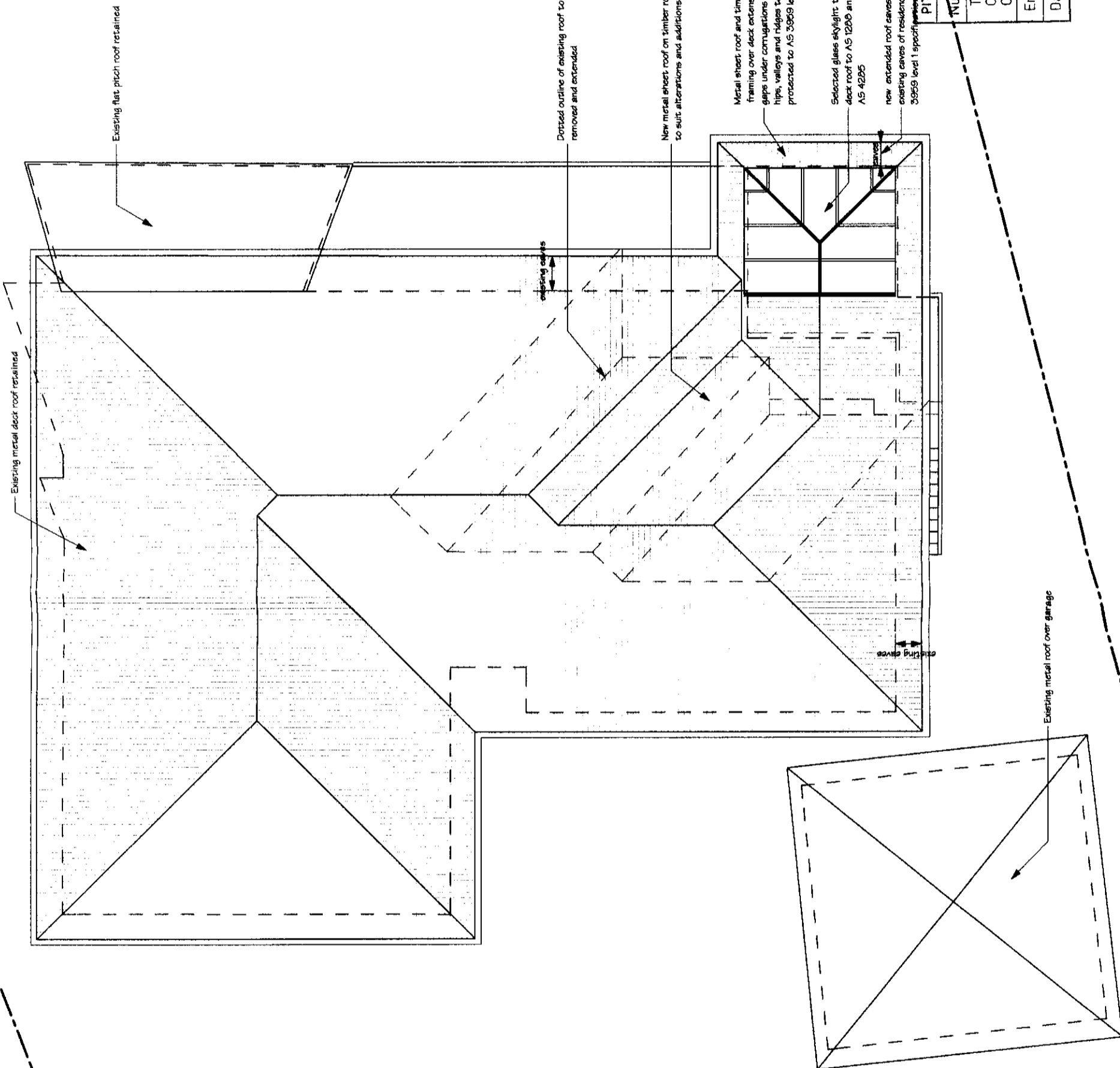
I hold the following qualification: Chartered Architect.
Further, I am appropriately qualified to certify this component of the project.
I hereby state that these plans or details comply with the conditions of the development consent, the provisions of the Building Code of Australia and/or relevant Australian industry standards.

James de Soyres
Date

Signed:

[Signature]

This drawing is to be read in conjunction with the additional specification to achieve level 1 construction as defined by AS 3959:1999
Construction of buildings in bushfire prone areas



PITWATER COUNCIL CONSTRUCTION CERTIFICATE

Number: **CC 0533/05**

This is a copy of submitted plans, documents or Certificates associated with the issue of the Construction Certificate.

Endorsed by: *[Signature]*

Date: **15 DEC 2003**

de soyres PO Box 657, Newport Beach, New South Wales 2106
 M a i l o n e 5 Heron Cove Marina, Queens Parade West, Newport
 Architects Pty Ltd info@desoyresmalone.com Telephone: (02) 9979 1823 Facsimile (02) 9979 5263

Proposed living room extension
 at 60 Attunga Road, Newport, NSW 2106
 for Mr & Mrs M McGain

24 OCT 2003
 CONSTRUCTION CERTIFICATE

Scale: 1:100
 Project No: 0218
 Drawing No: **CC-13**

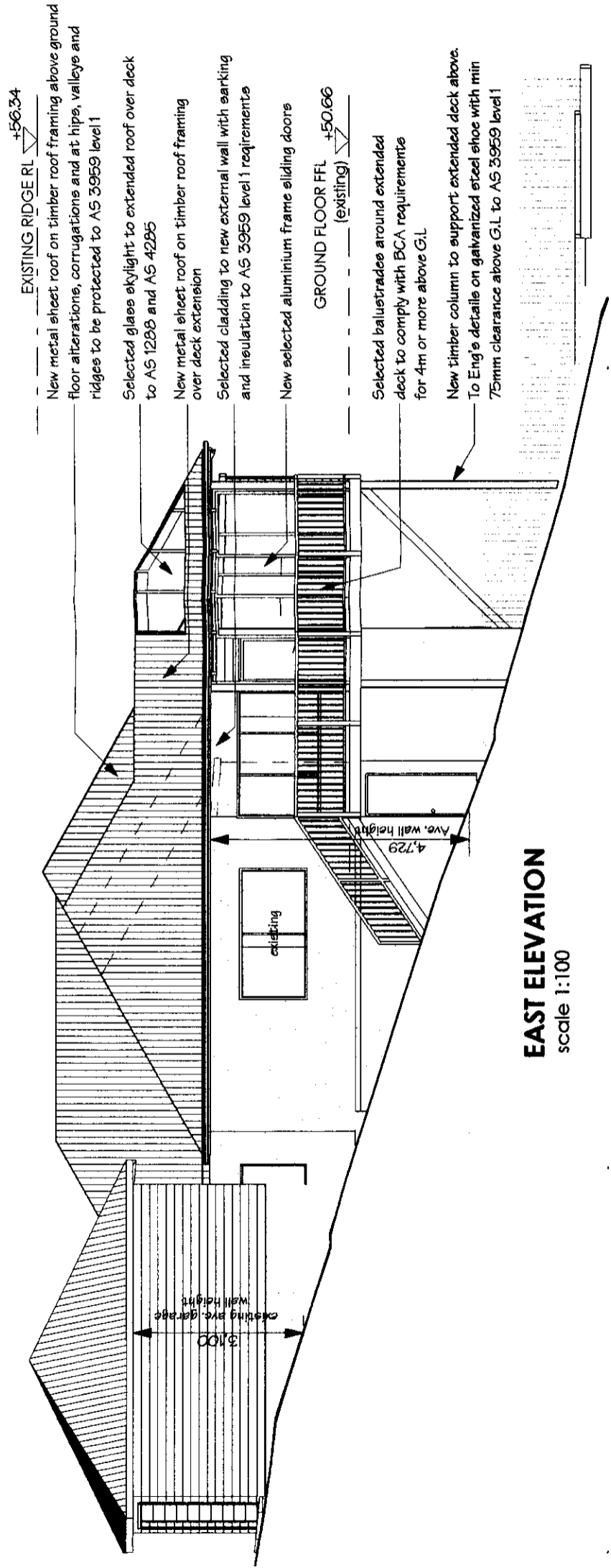
Roof Plan

PLAN CERTIFICATION
 I hold the following qualification: Chartered Architect
 Further I am appropriately qualified to certify this
 component of the project
 I hereby state that these plans or details comply with
 the conditions of the development consent, the
 provisions of the Building Code of Australia and/or
 relevant Australian/industry standards.

James de Soyres
 Date 14 DEC 2003

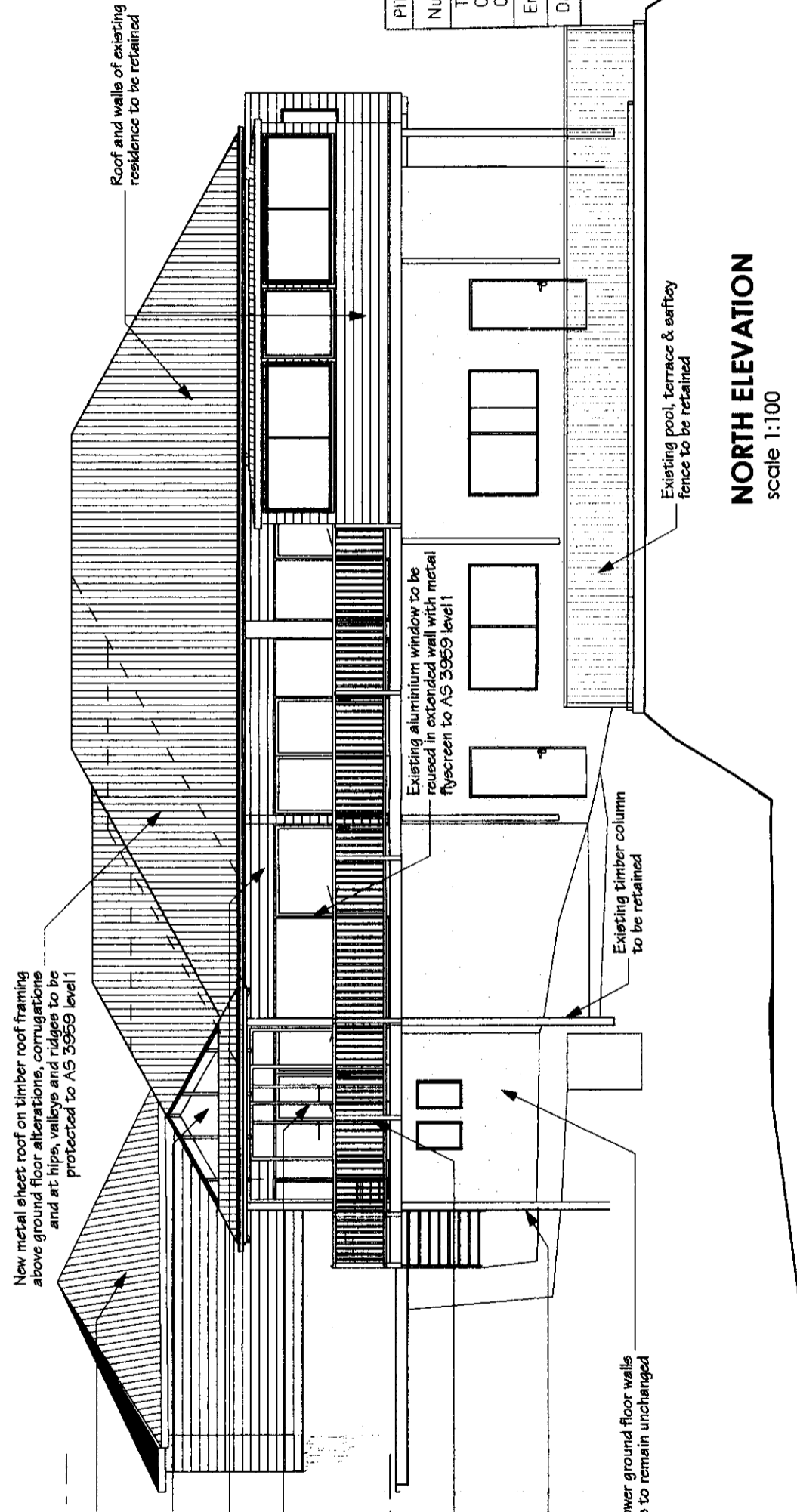
Signed: 

This drawing is to be read in conjunction with the
 additional specification to achieve level 1
 construction as defined by AS 3959-1999
 "Construction of buildings in bushfire prone areas".

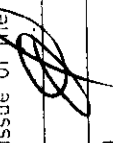


EAST ELEVATION
 scale 1:100

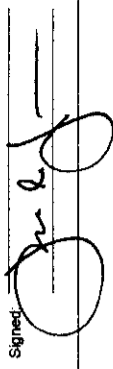
+56.34  EXISTING RIDGE RL
 Existing garage, to be retained
 New metal sheet roof on timber roof framing above ground floor alterations, corrugations and at hips, valleys and ridges to be protected to AS 3959 level 1
 Selected glass skylight to extended roof over deck to AS 1288 and AS 4285
 Selected cladding to external wall with sarking and insulation to AS 3959 level 1 requirements
 New selected aluminium frame sliding doors
 +50.66  Ground Floor FFL (existing)
 Selected balustrades around extended deck to comply with BCA requirements for 4m or more above G.L.
 New timber column to support extended deck above. To Eng's details on galvanized steel shoe with min 75mm clearance above G.L. to AS 3959 level 1
 Existing lower ground floor walls and windows to remain unchanged



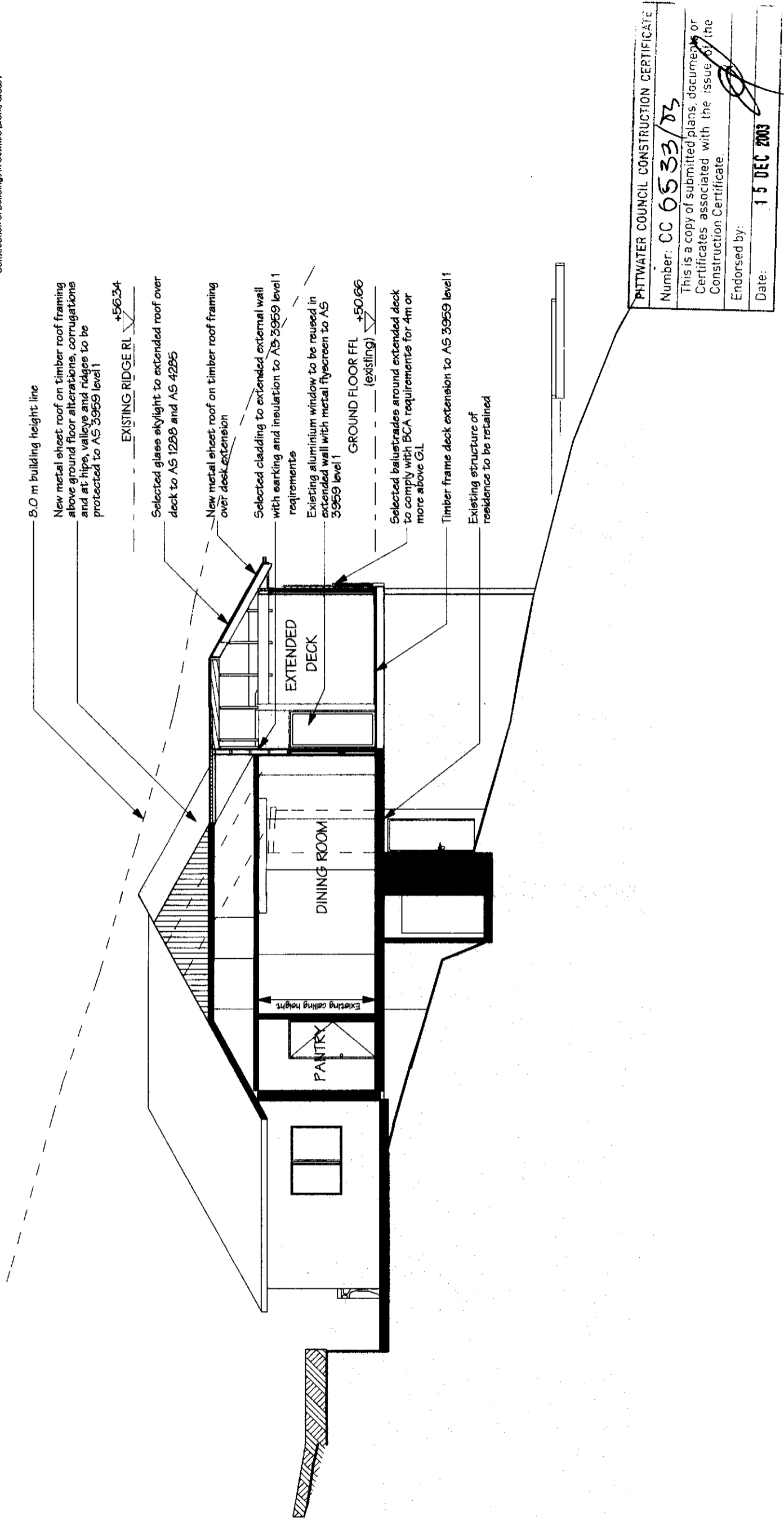
NORTH ELEVATION
 scale 1:100

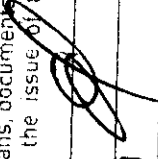
PITWATER COUNCIL CONSTRUCTION CERTIFICATE
 Number: CC 0523/03
 This is a copy of submitted plans, documents or Certificates associated with the issue of the Construction Certificate.
 Endorsed by: 
 Date: 15 DEC 2003

PLAN CERTIFICATION
 I hold the following qualification: Chartered Architect
 Further I am appropriately qualified to certify this component of the project.
 I hereby state that these plans or details comply with the conditions of the development consent, the provisions of the Building Code of Australia and/or relevant Australian/industry standards.
 James de Soyres
 Date: 24 OCT 2003

Signed: 

This drawing is to be read in conjunction with the additional specification to achieve level 1 construction as defined by AS 3959:1999
 Construction of buildings in bushfire prone areas



PNTWATER COUNCIL CONSTRUCTION CERTIFICATE
 Number: CC 6533/03
 This is a copy of submitted plans, documents or Certificates associated with the issue of the Construction Certificate.
 Endorsed by: 
 Date: 15 DEC 2003

Scale: 1:100
 Project No: 0218
 Drawing No: CC-31

24 OCT 2003 Sections A-A
 CONSTRUCTION CERTIFICATE

Proposed living room extension
 at 60 Attunga Road, Newport, NSW 2106
 for Mr & Mrs M McGain

de Soyres PO Box 657, Newport Beach, New South Wales 2106
 Malone 5 Heron Cove Marina, Queens Parade West, Newport
 info@desoyresmalone.com
 Telephone: (02) 9979 1823 Facsimile (02) 9979 5263
 Architects Pty Ltd



DIRECTORS

Stewart McGeehey Rick Wray Lucas Molloy

CERTIFICATE OF EXISTING STORMWATER ADEQUACY

DATE 17th Oct 2003
 SITE 60 Attunga Rd Newport
 ENGINEER Lucas Molloy
 OWNER Mr & Mrs McGain
 JOB No 031005

Lucas Molloy of NB Consulting Engineers P/L carried out a site inspection at the above residential premises on the 30th Sep 03. The purpose of the visit was to inspect and comment on the capacity of the existing stormwater infrastructure to service the proposed alterations and additions.

It is our opinion that the existing system is adequate to convey the expected stormwater flows provided the following comments are adhered to:

The existing pipes are cleared of all foreign matter to allow the free flow of storm waters.
 Any broken sections of pipes are repaired/replaced.

Note: This certification does not cover any defects to the system, which were not accessible at the time of the inspection. If in the event defects are uncovered during construction or become apparent after construction is completed the engineer should inspect the areas of concern and prepare a specification for remedial works.

We trust that this certificate meets with your requirements. Please contact the author if further clarification is required.

NB CONSULTING ENGINEERS P/L

Per
 Lucas Molloy
 BE(Civil) MIEAust

PITTWATER COUNCIL CONSTRUCTION CERTIFICATE	
Number:	CC 0533/03
This is a copy of submitted plans, documents or Certificates associated with the issue of the Construction Certificate.	
Endorsed by:	
Date:	1 5 DEC 2003

GEOTECHNICAL RISK MANAGEMENT POLICY FOR PITTWATER FORM NO. 3 - To be submitted with detailed design for construction certificate

Development Application for Mr Murray McGain
 Name of Applicant

Address of site 60 Attunga Road, Newport, NSW

Declaration made by Structural or Civil Engineer in relation to the incorporation of the Geotechnical Issues into the project design
Lucas Molloy on behalf of NBC Consulting Engineers
 (Name of Applicant) (Name of Company/ Firm)

on this the 5th Nov 2003
 (Date)

I certify that I am a Structural or Civil Engineer as defined by the Geotechnical Risk Management Policy for Pittwater. I am authorized by the above mentioned company to issue this document and to certify that the organization/company has a current professional indemnity policy of at least \$100,000. 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: Structural Design for Mr Murray McGain on Geotechnical Issues - Risk
 Report Date: 25 July 2003
 Author: D J Bliss


Structural Documents List:
Design for North Shore Shores Consultancy Engineers Pty Ltd
Job No. 931005 Drawing No. SD1, SD2, SD3, SD4 and SD5
20/07/03

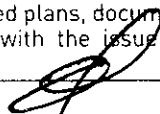
I am also aware that Pittwater Council relies on the processes covered by the Geotechnical Risk Management Policy, including the conditions as the basis for ensuring that the geotechnical risk management aspects of the proposed development have been adequately addressed to achieve an 'Acceptable Risk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

Lucas Molloy (Name)  (Signature)

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

I prepared and/or technically verified the above mentioned Geotechnical Report as per Form 1 used 25/1/03 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 when the assessed 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 the conditions 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 when 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: 
 Name: Daniel Bliss
 Chartered Professional Status: MBASnt CPEng
 Membership No: 969995

PITTWATER COUNCIL CONSTRUCTION CERTIFICATE	
Number:	<u>CC 0533/03</u>
This is a copy of submitted plans, documents or Certificates associated with the issue of the Construction Certificate.	
Endorsed by:	
Date:	<u>15 DEC 2003</u>



DIRECTORS

Stewart McGeady Rick Verry Lucas Molloy

CERTIFICATE OF EXISTING STRUCTURAL ADEQUACY

DATE 20th Oct 2003
 SITE 60 Attunga Rd Newport
 ENGINEER Lucas Molloy
 OWNER Mr & Mrs McGain
 JOB No 031005

Lucas Molloy of NB Consulting Engineers P/L carried out a site inspection at the above residential premises on the 30th Sept 2003. The purpose of the visit was to inspect and comment on the capacity of the existing structure to support the proposed alterations and additions as detailed in the architectural plans prepared by de soyers Malone Architects pty ltd dated 03/07/03.

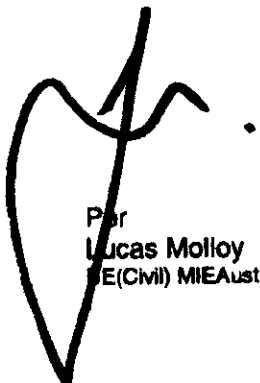
The assessment consisted of a walk over style (visual only) inspection of the building.

In summary, the dwelling is considered sound and provides an adequate structure for the proposed works, provided that the engineering plans are complied with, that these works are carried out in a sound building manner and that all structural works are certified during construction by the engineer. However, it is possible that some movement (and related cracking) may occur as the building adjusts to the new load distribution but this is not expected to adversely affect the buildings overall structural integrity. It is recommended that any painting to the finished building be carried out at least 6months after the construction of the structural elements and linings (gyprock/cladding/tiling etc).

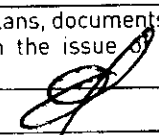
Note: This certification does not cover any defects to the structure, which were not accessible at the time of the inspection. If in the event defects are uncovered during construction or become apparent after construction is completed the engineer should inspect the areas of concern and prepare a specification for remedial works.

We trust that this certificate meets with your requirements. Please contact the author if further clarification is required.

NB CONSULTING ENGINEERS P/L



Per
 Lucas Molloy
 E(Civil) MIEAust

PITTWATER COUNCIL CONSTRUCTION CERTIFICATE	
Number:	CC 0533/03
This is a copy of submitted plans, documents or Certificates associated with the issue of the Construction Certificate.	
Endorsed by:	
Date:	15 DEC 2003

GENERAL NOTES:

- G1. The drawings are to be read together with all Architects drawings and specifications.
- G2. Dimensions shall not be obtained by scaling from the drawings. All setting out dimensions shall be verified and discrepancies shall be referred to the Engineer prior to commencement of work.
- G3. Care is required during construction so that structural elements are not over stressed and that the works and excavations required therefore are kept stable at all times.
- G4. Design, materials and workmanship are to be in accordance with current S.A.A standards and statutory authority regulations except where varied by these documents.
- G5. Design live loads are in accordance with AS 1170.1

FOOTINGS

- F1. Foundation strata is assumed for design purposes in accordance with AS 2870. See Footnote. Classification to be verified by a Geotechnical Engineer commissioned by the client if certification of foundation is required.
- F2. Footings to be constructed and back filled as soon as possible following excavation to avoid softening by rain or drying out by exposure.
- F3. Footings must bear into undisturbed natural ground clear of organic material. Refer to details.
- F4. If rock or variable bearing strata is encountered during excavation of the footings all footings/piers are to be excavated to similar material of greater bearing capacity.
- F5. The Engineer is to be contacted at that time for approval or review.
- F6. Footings to be cast in approved material having an allowable capacity as follows:

Good Foundations:

SA1. Required bearing capacity 100 kPa.
SA2. Trenches must be cleaned of all debris and hard compacted prior to placement of reinforcement.

Clay Foundations:

CL1. Required bearing capacity 150 kPa.
CL2. Trenches must be cleaned of all debris. Soft spots must be cut out and filled as per compacted fill notes, prior to placement of reinforcement.

Shale Foundations:

SH1. Required bearing capacity 400 kPa.
SH2. Excavation for footings into shale must be cast or capped with plain concrete on the same day as excavation.

Sandstone Foundations:

SS1. Required bearing capacity 650 kPa.
SS2. Scrape weathered surface to remove cleaved sandstone under footings.

Refer adjacent for assumed Design bearing strata.

CONCRETE

- C1. All workmanship and materials shall be in accordance with AS 3600.
- C2. Concrete quality shall be as follows and shall be verified by tests.
- C3. All concrete unless otherwise noted shall have a slump of 80mm at point of placement, a max. aggregate size of 20 mm, and a min. cement content of 280 kg/cubic metre. No water shall be added to the mix prior to or during placement of concrete.
- C4. Clear concrete cover to reinforcement shall be as follows unless otherwise shown-

ELEMENT	INTERIOR	EXTERIOR	EXTERIOR CAST AGAINST GROUND
FOOTINGS	-	-	50
COLUMNS/PEDESTALS	30 UNO	REFER TO PLAN	-
SLABS/WALLS	25	REFER TO PLAN	40 ON MEMBRANE
BEAMS	25 UNO	REFER TO PLAN	50
BLOCKWORK	-	55 FROM APPROPRIATE FACE	-

- C5. Sizes of concrete elements do not include thickness of applied finishes.
- C6. All Construction Joints locations shall be approved by the Structural Engineer.
- C7. Beam depths are written first and include slab thickness, if any.

A3

- C8. No holes or chases other than those shown on the structural drawings shall be made in concrete elements without the prior approval of the engineer.
- C9. Shrinkage reducing admixtures such as 'Eclipse' or approved equivalent, if specified, must be added to mix prior to pour.
- C10. Water reducing agents, if specified, must be added to mix prior to pour. No extra water is to be added to increase slump.
- C11. Where vertical slab/beam surfaces are formed against a masonry (or other) wall, provide 10 mm styrene separation material.
- C12. Water must not be added to concrete mix prior to placement of concrete.
- C13. Above covers may have to be adjusted if fire rating is a requirement.

REINFORCEMENT

- R1. All reinforcement specified is Grade D500 unless noted otherwise.
- R2. Reinforcement is represented diagrammatically it is not necessarily shown in true projection.
- R3. Top reinforcement is to be continuous over supports. Bottom reinforcement to be lapped at supports.
- R4. Welding of reinforcement shall not be permitted unless shown on the structural drawings.
- R5. Pipes or conduits shall not be placed within the zone of concrete cover to the reinforcement without the approval of the engineer.
- R6. All reinforcing bars and fabric shall comply with AS 4671-2001.
- R7. Reinforcement symbols:
N - Grade 500N deformed bar (D500) Normal Ductility
R - Grade 250N plain round bar (R250) Normal Ductility.
SL - Grade 500L welded deformed ribbed mesh (D500) Square Low Ductility.
RL - Grade 500L welded deformed ribbed mesh (D500) Rectangular Low Ductility.

The number immediately following these symbols is the number of millimeters in the bar diameter.

Example : 8 N12-250
Denotes 8, Grade 500N deformed bars, 12 mm diameter at 250 c/s.

R8. Fabric reinforcement to be lapped 1 complete square + 25 mm unless noted otherwise.

R9. All reinforcement shall be firmly supported on bar chairs spaced at a maximum of 750 centres both ways under rod and fabric reinforcement. Reinforcement shall be tied at alternate intersections.

FORMWORK

- FW1. Formwork must be cleaned of all debris prior to casting of concrete.
- FW2. Minimum stripping times for form work shall be as recommended in AS 1504 or as directed by the engineer.
- FW3. The finished concrete shall be a dense homogeneous mass, completely filling the form work, thoroughly embedding the reinforcement and free of stone pockets. All concrete elements including slabs on ground and footings shall be compacted with mechanical vibrators.
- FW4. Curing of all concrete is to be achieved by keeping surfaces continuously wet for a period of 3 days, followed by prevention of loss of moisture for seven days followed by a gradual drying out. Approved sprayed on curing compounds may be used where no floor finishes are proposed. Polythene sheeting or wet hessian may be used if protected from wind and traffic.

BRICKWORK

- BR1. Brickwork is to be constructed to AS 3700.
- BR2. Two layers of approved greased metal based slip material shall be used over all load bearing walls that support concrete slabs and placed on smooth brickwork or trowelled mortar finish. Non load-bearing walls shall have 10 mm compressible material and ties to the slab soffit.
- BR3. No brickwork shall be constructed on suspended slabs until all propping has been removed from the underside of the slab and the concrete has the specified 28 day cylinder strength verified by tests.
- BR4. Control joints to be placed at a maximum of 8m centres or in accordance with AS 3700.
- BR5. Exposure grade bricks to be used below damp proof course.
- BR6. Vertical control joint material where specified on plan between slabs and brick walls shall be: 10 mm Spandex External UNO. Bitumastic fibreboard internal UNO.
- BR7. Provide stainless steel wall ties below DPC to AS 3700. Provide galvanized wall ties above DPC to AS 3700 & Local Council Specifications.

- BL1. Concrete blocks shall have a minimum compressive strength of 15 MPa and conform to AS 1500.
- BL2. Where cores of hollow blocks are to be filled, properly compacted 20MPa concrete with 10 mm aggregate and 230 mm slump shall be used. Clean out openings must be utilized for all cores.
- BL3. Location of actual starters is critical to suit block cores, allow 55 mm cover from the outside face of blockwork. All reinforcement lap lengths to conform to AS 3600.
- BL4. Control joints to be placed at a maximum of 8 m centres or in accordance with AS 3700.
- BL5. Vertical control joint material where specified on plan between slabs and brick walls shall be: 10 mm Spandex External UNO. Bitumastic fibreboard internal UNO.
- BL6. Retaining walls or any reinforced and concrete core filled block walls to be of Double 'U' Block Construction.
- BL7. No blockwork shall be constructed on suspended slabs until all propping has been removed from the underside of the slab and the concrete has the specified 28 day cylinder strength verified by tests, unless approved by the Structural Engineer.
- BL8. Max. pour height for unrestrained blockwork is 2000.

STEEL

- S1. All Structural steelwork to be Grade 300 or greater. Design, fabrication and erection to be in accordance with AS 4100.
- S2. Materials and workmanship shall comply with AS 1250 - 1981, SAA Steel Structures Code and the specification for Structural Steel.
- S3. Rolled steel sections including steel plates shall comply with AS 3678 - 1990.
- S4. Cold formed steel sections shall be Grade 450 Zinc coated in accordance with AS 1538-1988.
- S5. Welded and seamless steel hollow sections shall comply with AS 1163. Grade 350.
- S6. Bolt Designation:
4.65 - Commercial bolts Grade 4.6, snug tightened.
8.85 - High Strength structural bolts Grade 8.8, snug tightened.
8.8TB - High Strength structural bolts Grade 8.8, fully tightened to AS 1511 and acting as a Bearing Joint.
8.8TF - High Strength structural bolts Grade 8.8, fully tightened to AS 1511 and acting as a Bearing Joint.

Unless noted otherwise, all bolts will be 8.85. Unless shown otherwise, minimum connection shall be 2M16 bolts, 10 thick gusset plates, 6mm continuous fillet welds.

S7. Lead indicating washers shall be used in all fully tensioned joints. (8.8TF & 8.8TB).

S9. All welding shall be carried out in accordance with AS 1554 SAA Structural Steel Welding Code.

S10. Unless noted otherwise all welds shall be category SP using E41xx Electrodes. All butt welds shall be complete penetration butt welds category SP.

S11. Grouting of anchor bolt sleeves and base plates shall be completed by the contractor using High Strength, Non-Shrink grout.

S12. Fabrication and erection tolerances for Structural Steelwork shall be in accordance with AS 4100.

S13. Pull in bolts shall be M12 - 4.65 galvanized.

S14. Steel work shall have one of the following grades of corrosion protection:
INTERNAL
a. Thoroughly cleaned wire brushing, followed by two coats of zinc phosphate primer equivalent to Dulux Lupaprim applied by hand using brushes to achieve a total dry film thickness of 70 microns.
EXTERNAL ELEMENTS, & ELEMENTS WITHIN EITHER SKIN OF EXTERNAL CAVITY
b. Preparation Blast clean to a minimum standard Class 2.5 in accordance with AS 1627 Part 4.
Primer 2-pack epoxy phosphate at dft 75 microns (Dulux Durepon P14).
Barrier Coat 2-pack epoxy micaceous iron oxide, dft 100 microns
Finish Coat 2-pack epoxy high glass acrylic to dft 75 microns (e.g. Dulux Acrathane 1 F) in an approved colour.
c. Hot dipped galvanized to AS 4680.
Where galvanized coating is broken on site make good with two coats of zinc rich epoxy primer equivalent to Dulux Zinc anode 202 or Hot Metal Spray in accordance with AS 4680.

INSPECTIONS BY ENGINEER

- 24 HOURS NOTICE IS REQUIRED BEFORE ANY SITE INSPECTION
- 1. Bearing strata of all footings prior to concrete pour.
- 2. Any reinforcement prior to concrete pour.
- 3. Timber and Steel framing prior to cladding or lining.
- 4. Steel lintels after installation.

DRAWING SCHEDULE:

- S01 - GENERAL NOTES AND DRAWING SCHEDULE
- S02 - DECK FOUNDATION, FLOOR & ROOF FRAMING PLANS
- S03 - DECK FRAMING DETAILS
- S04 - SITE PLAN
- S05 - RET. WALL & TYP. THE DOWN DETAILS

We have viewed this drawing and endorse that recommendations given in our Report No [27898/8/03] of (date) 25/7/03 have been adopted in principle, except for the amendments noted or underlined in red which should be adopted.

Signed Abdulla Date 24/10/03
For Jeffrey and Katauskas Pty Ltd
34 Duffield Road, HILVERSBOROUGH, NEW ZEALAND
Telephone: (800) 7322
Number: CC 0533/03

Date:	Amendment:	Checked:
OCT '03	L.M.	UFC
Endorsed by:		15 DEC 2003
Date:		

This is a copy of submitted plans, documents or certificates associated with the issue of the Construction Certificate.
Endorsed by: [Signature]
Date: [Signature]
Amendment: [Signature]

GENERAL NOTES AND DRAWING SCHEDULE

ASSUMED FOUNDATION CLASSIFICATION FOR DESIGN PURPOSES - 'A'
ASSUMED BEARING STRATA FOR DESIGN PURPOSES - SANDSTONE 600kPa

Project: ADDITIONS TO GO ATTUNGA RD NEWPORT
FOR MR M. MCGAIN

NORTHERN BEACHES Consulting Engineers P/L
ACN 078 121 618 A.B.N. 24 078 121 618
Sub 207, 30 FISHER ROAD DEE WHY N.S.W. 2099
Ph: (02) 9984 7000 Fax: (02) 9984 7444
e-mail: nb@nbconsulting.com.au

DOCUMENT CERTIFICATION

I am a qualified Structural/Civil Engineer.
I hold the following qualifications:
B.E.(Civil), MIEAust, Institute of Engineers Membership No. 78818/4
I hereby state that this drawing is in compliance with the conditions of the development consent, the provisions of the Building Code of Australia and/or relevant Australian/Industry Standards.

Date: 02/10/03
Lucas Malloy
(Northern Beaches Consulting Engineers)

GENERAL NOTES AND DRAWING SCHEDULE

Job No: 031005
Drawing No: S01

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NOTES:

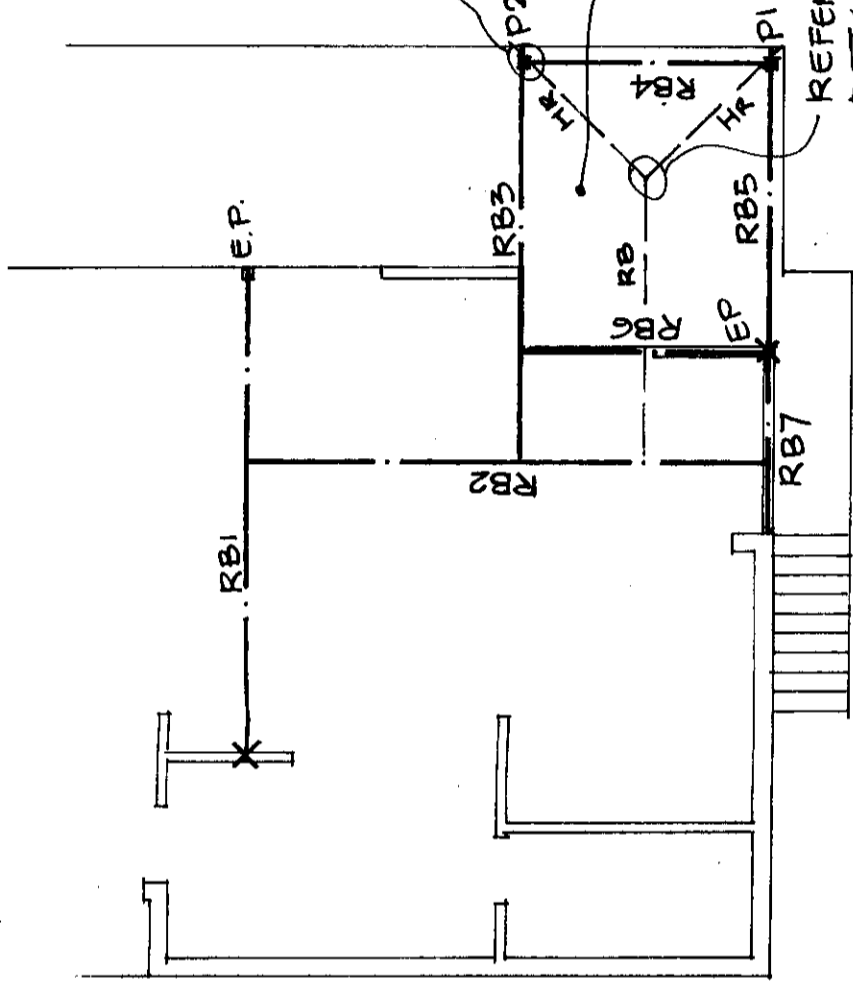
1. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WITH WORK.
2. FOR GENERAL NOTES AND DRAWING SCHEDULE REFER TO DRAWING NUMBER: S01.

NOTE: RB3 SUPPORTED BY RB2 & P2 ONLY.

REFER CONNECTION DETAIL A (DRG 50) TYPICAL BETWEEN KING BEAMS RB3/4/5/6.

RAKED CEILING OVER + SUN LIGHTS

REFER CONNECTION DETAIL B (DRG 50)



ROOF FRAMING PLAN

1:100

- P2 — 135x135 SEASONED HWD POST SPICED TO EXISTING POST (SEE DETAIL C DRG 50)
- EP — EXISTING POST
- RB1/RB2 — 400x63 LVL OR 200UB 29 STRUTTING HANGING BEAM
- RB3 — RB6 — 300x63 LVL OR 150 PFC STRUTTING HANGING BEAM
- RB7 — 150 PFC LINTEL

RB/HR/HR = 250x50 F7 OR 200x63 HYSPAN

We have viewed this drawing and endorse that recommendations given in our Report No. 12805VB of (date) 25/7/03 have been adopted in principle, except for minor variations noted or underlined in red which should be adopted.

Signed *[Signature]* Date 24/10/03

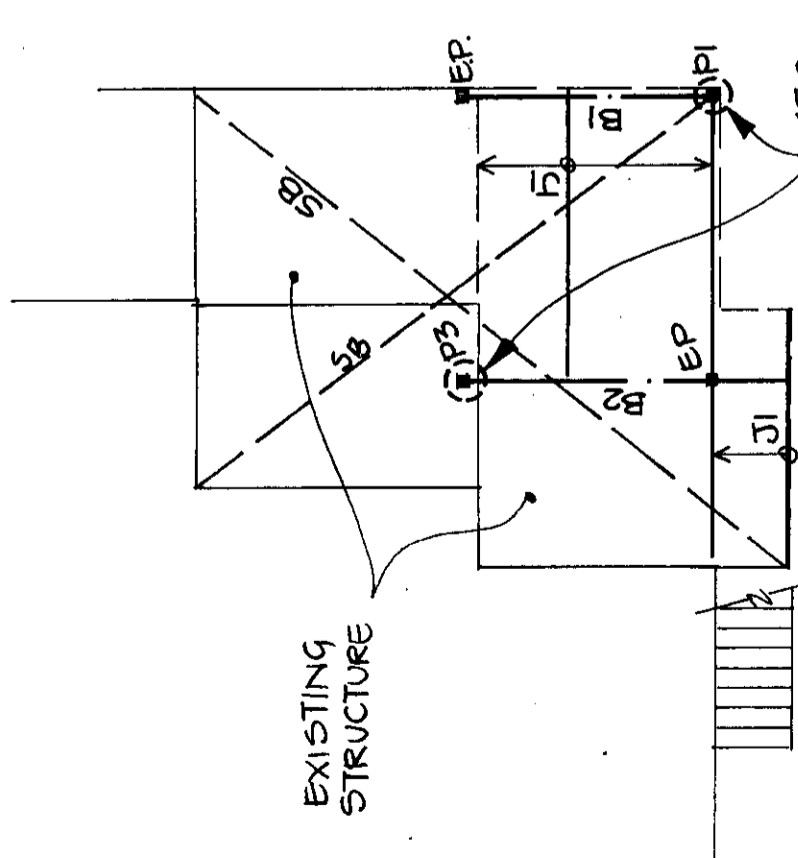
For Northern and Katauskas Pty Ltd
35 Buffalo Road, Gladstone, 2111
Telephone 9809 7322

WATER COUNCIL CONSTRUCTION CERTIFICATE	
Number: CC 6533/03	
This is a copy of submitted plans, documents or Certificates associated with the issue of the Construction Certificate.	
Endorsed by: <i>[Signature]</i>	
Date: 15 DEC 2003	

Date:	Revised:	Amendment:	Checked:
Date:	Design:	Drawn:	
Date:	OCT 03	L.M.	LFC
Job No:	031005	Drawing No:	S02

EXISTING STRUCTURE

450mm Ø PIER TO SOUND ROCK



FOUNDATION/FLOOR FRAMING PLAN

1:100

- J1 — 200x50 F17 KD OR 250x50 F7 H3JOISTS @ 450cts
- B1/B2 — 2x300x50 F17 KD BEAMS
- P1/P3 135x135 SEASONED HWD POST CONTINUOUS TO ROOF FRAMING (P1 ONLY)
- E.P. — EXISTING POST
- SB — FULLY TENSIONED STRAP BRACING

DOCUMENT CERTIFICATION

I am a qualified Structural/Civil Engineer. I hold the following qualifications:
B.E.(Civil), MIEAust, Institute of Engineers Membership No. 788184
I hereby state that this drawing is in compliance with the conditions of the development consent, the provisions of the Building Code of Australia and/or relevant Australian/Industry Standards.

Date: 02/03/03
Lucas Molloy
(Northern Beaches Consulting Engineers)

NORTHERN BEACHES Consulting Engineers P/L
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Suite 207, 30 FISHER ROAD
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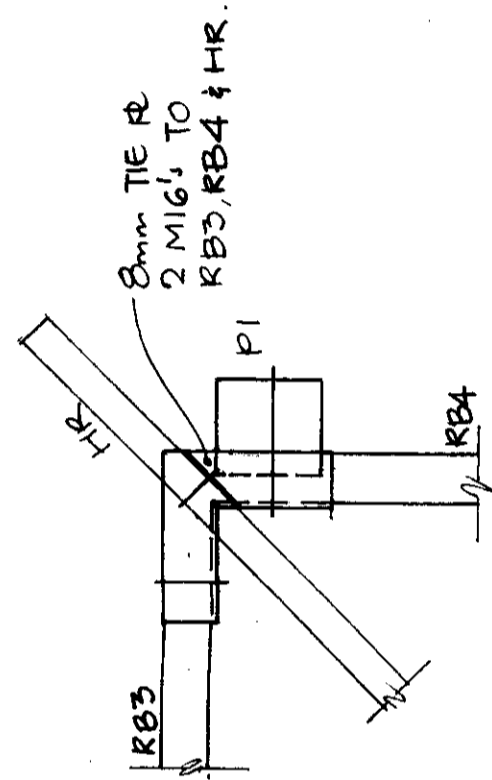


Project: ADDITIONS TO FOUNDATION, FLOOR & ROOF FRAMING PLANS
TO GO ATTUNGA RD NEWPORT
FOR: MR. M. MCGAIN

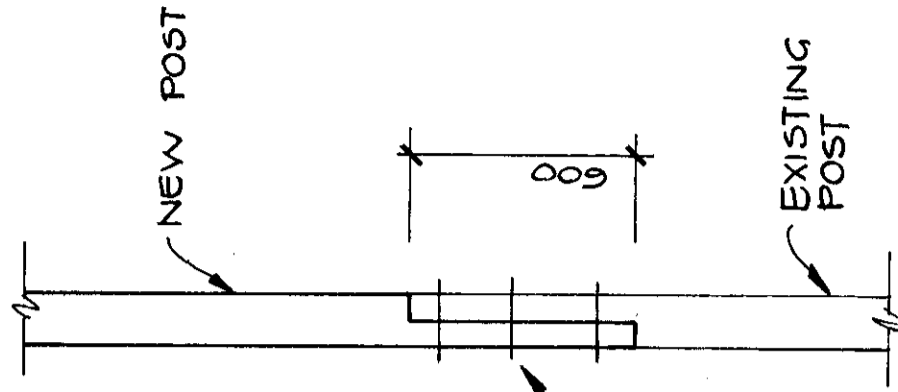
Drawing Title: DECK
Drawing No: 502
Job No: 031005
Design: L.M.
Drawn: LFC
Checked: [Signature]

NOTES:

1. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WITH WORK.
2. FOR GENERAL NOTES AND DRAWING SCHEDULE REFER TO DRAWING NUMBER: S01.



DETAIL A (PLAN)
1:10



We have viewed this drawing and endorse that recommendations given in our Report No. 1785 v. 6 of (date) 25/10/03 have been adopted in principle, except for modifications noted or underlined in red which should be adopted.

Signed: *[Signature]* Date: 24/10/03

For Jeffrey and Katauskas Pty Ltd
39 Buffalo Road, Gladstone, 2111
Telephone: 9809 7322

Project: ADDITIONS TO 60 ATTUNGA RD NEWPORT FOR: MR. M. MCGAIN

Drawing Title: DECK - FRAMING DETAILS

Water Council Construction Certificate
Number: CC 0533/03
Date: 15 DEC 2003

Checked: []
Drawn: LFC
Drawing No: S03

DATE: OCT '03
JOB NO: 031005

DATE: OCT '03
JOB NO: 031005

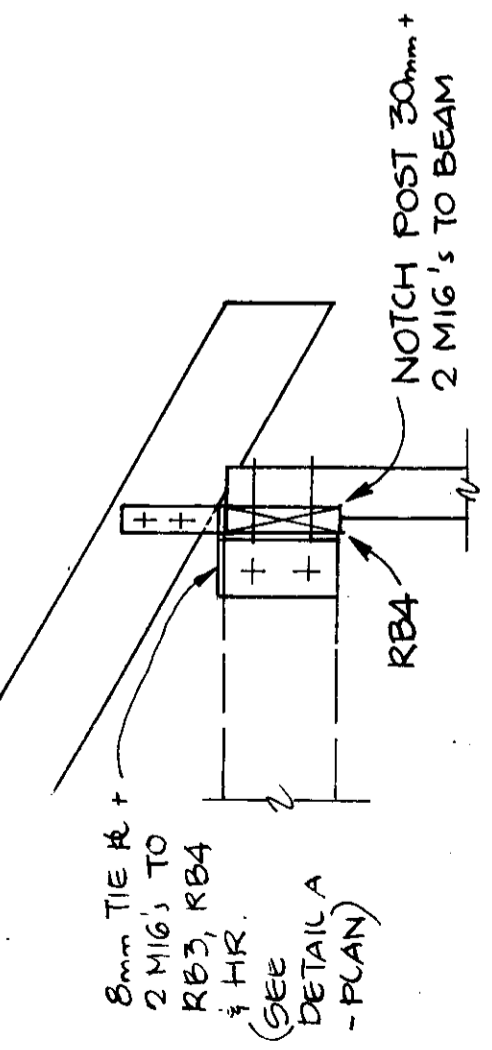
DATE: OCT '03
JOB NO: 031005

DATE: OCT '03
JOB NO: 031005

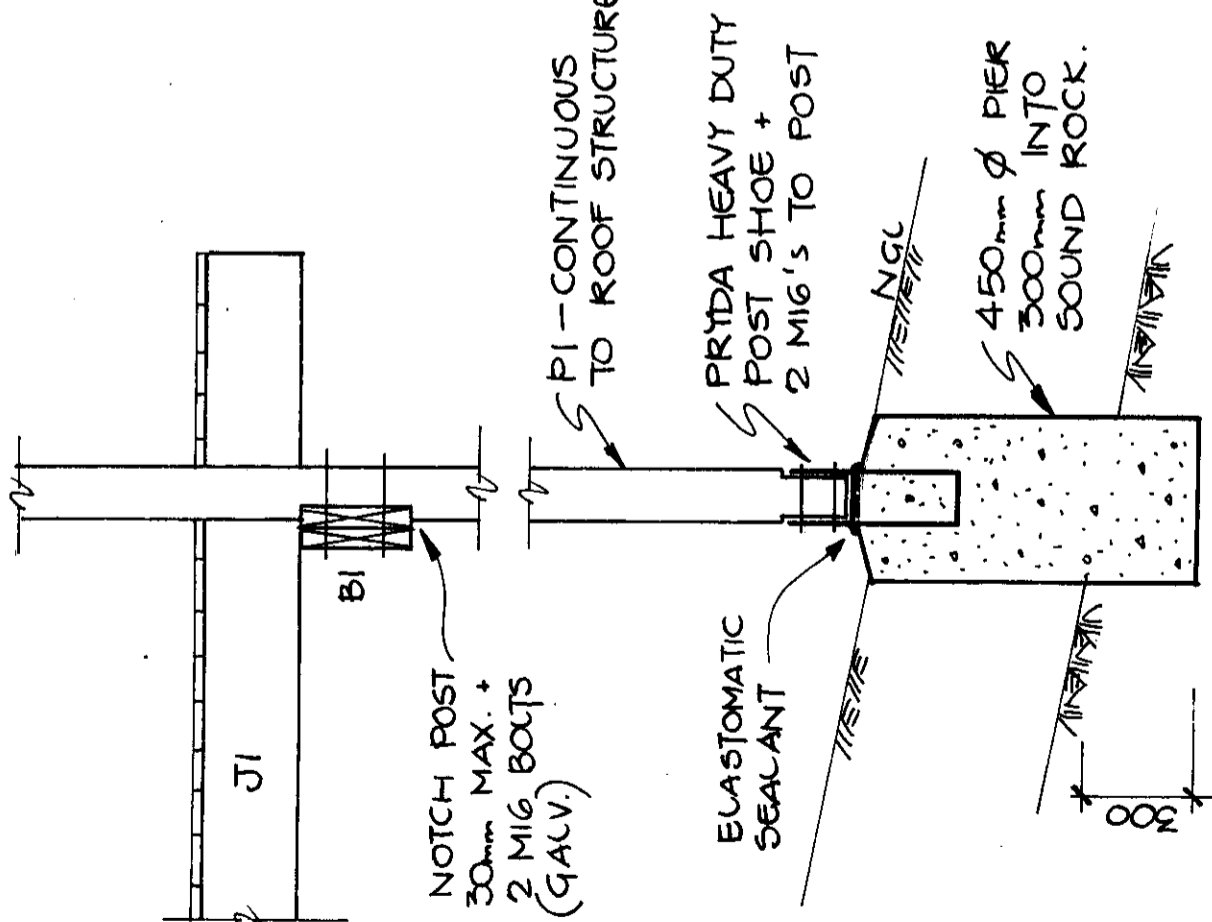
DATE: OCT '03
JOB NO: 031005

DATE: OCT '03
JOB NO: 031005

DATE: OCT '03
JOB NO: 031005



DETAIL A (SECTION)
1:20



DETAIL B (SECTION)
1:20

NORTHERN BEACHES Consulting Engineers P/L
A.C.N. 076 121 616 A.B.N. 24 076 121 616
Suite 207, 30 FISHER ROAD
DEERHAY N.S.W. 2099
Ph: (02) 9984 7000 Fax: (02) 9984 7444
e-mail: nb@nbeconsulting.com.au

NB

I am a qualified Structural/Civil Engineer.
I hold the following qualifications:
B.E.(Civil), MIEAust,
Institute of Engineers Membership No. 788184
I hereby state that this drawing is in compliance with the conditions of the development consent, the provisions of the Building Code of Australia and/or relevant Australian/Industry Standards.

DATE: OCT '03
JOB NO: 031005

DATE: OCT '03
JOB NO: 031005

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JOB NO: 031005

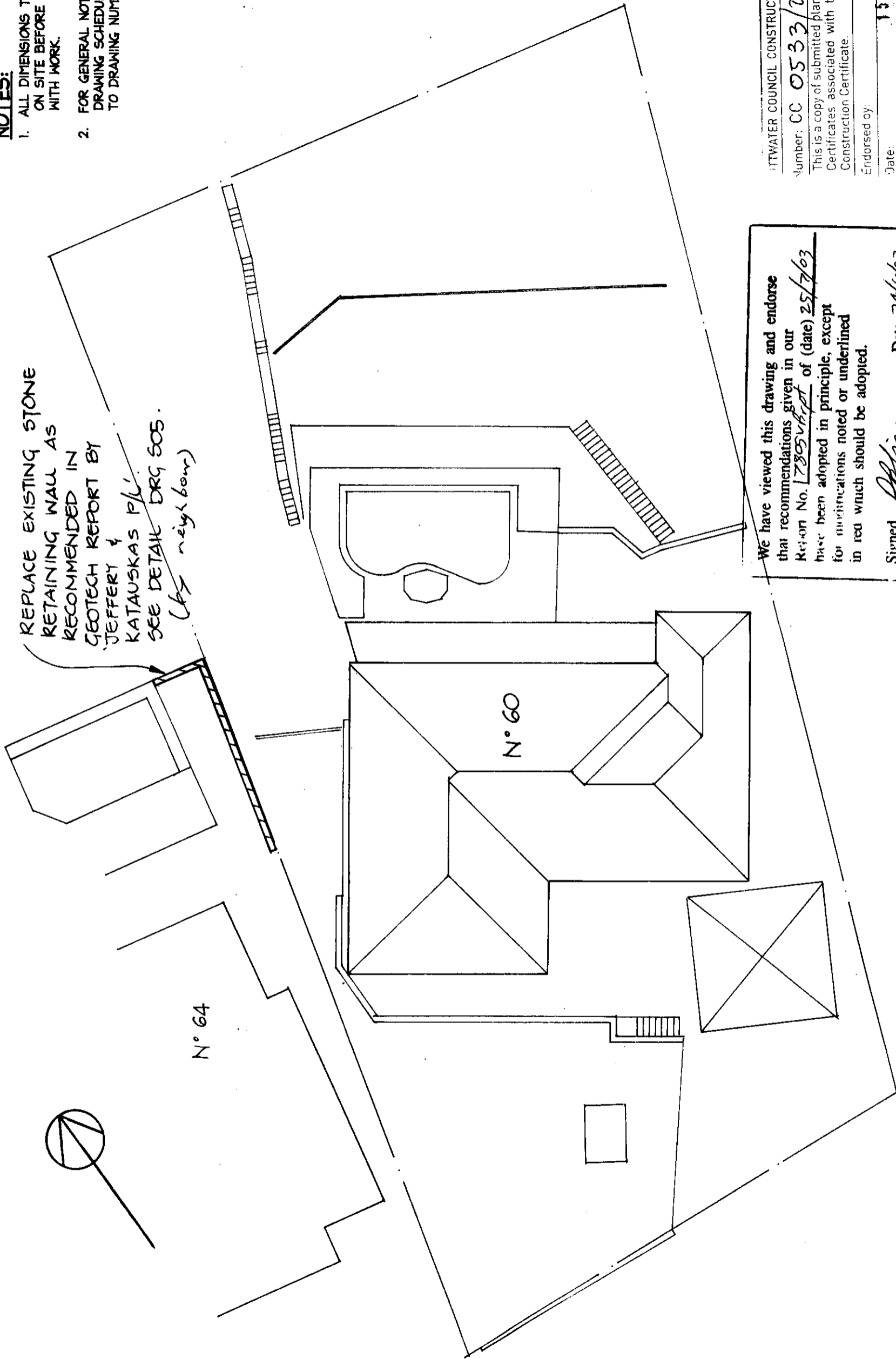
DATE: OCT '03
JOB NO: 031005

DATE: OCT '03
JOB NO: 031005

NOTES:

1. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WITH WORK.
2. FOR GENERAL NOTES AND DRAWING SCHEDULE REFER TO DRAWING NUMBER: 501.

REPLACE EXISTING STONE RETAINING WALL AS RECOMMENDED IN GEOTECH REPORT BY JEFFERY & KATAUSKAS P/L. SEE DETAIL DRG 505. (for neighbour)



We have viewed this drawing and endorse that recommendations given in our Report No. 1285 of (date) 25/7/03 have been adopted in principle, except for modifications noted or underlined in red which should be adopted.

Signed [Signature] Date 24/9/03

For Jeffery and Katauskas Pty Ltd
35 Buffalo Road, Gladstone, 2111
Telephone: 7809 7322

WATER COUNCIL CONSTRUCTION CERTIFICATE

Number: **CC 0533/03**

This is a copy of submitted plans, documents or Certificates associated with the issue of the Construction Certificate.

Endorsed by: [Signature]

Date: **15 DEC 2003**

SITE PLAN
1:200

DOCUMENT CERTIFICATION

I am a qualified Structural/Civil Engineer.
I hold the following qualifications:
B.E.(Civil), MIEAust,
Institute of Engineers Membership No. 769184
I hereby state that this drawing is in compliance with the conditions of the development consent, the provisions of the Building Code of Australia and/or relevant Australian/Industry Standards.

Date: **oct'03**
Lucas Molloy
(Northern Beaches Consulting Engineers)

Project:

ADDITIONS TO GO ATTUNGA RD NEWPORT FOR: MR M. MCGAIN

Drawing Title:

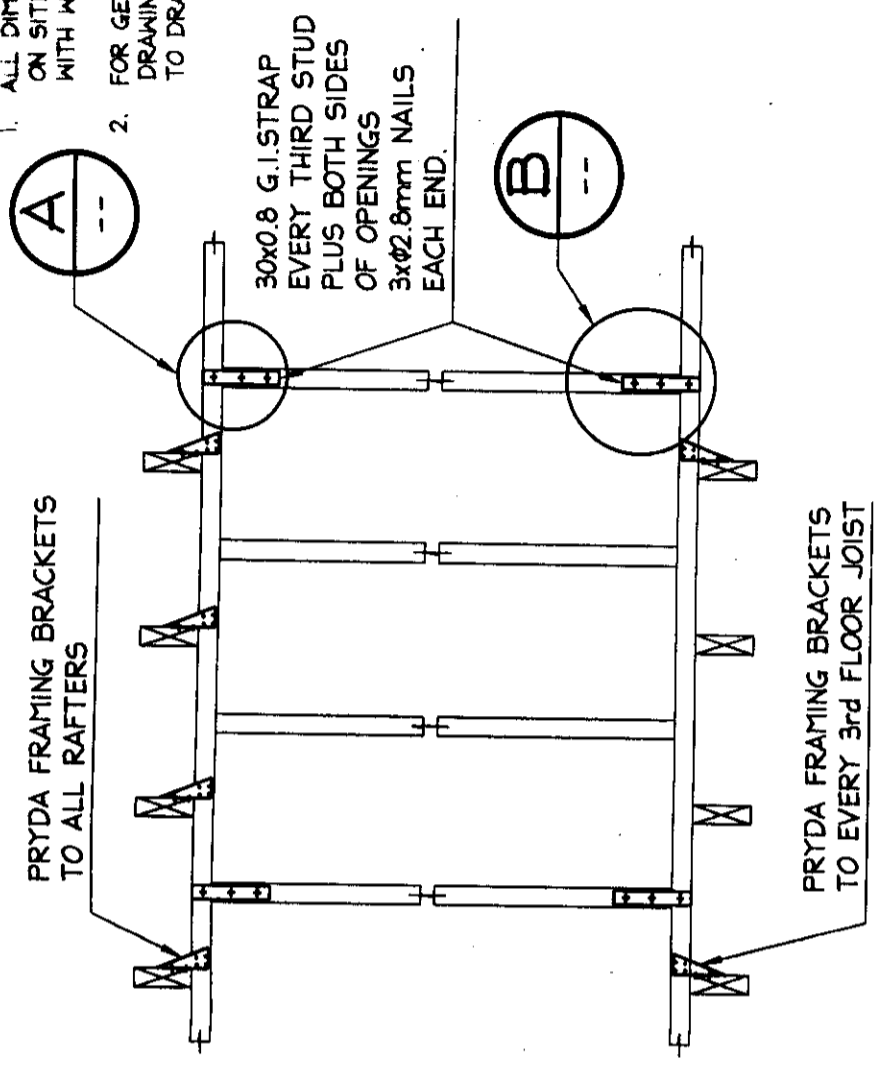
SITE PLAN

Date:	Rev:	Amendment:	Design:	Drawn:	Checked:
OCT'03			L.M.	UFC	
Job No:	031005		Drawing No:	504	Rev:

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NOTES:

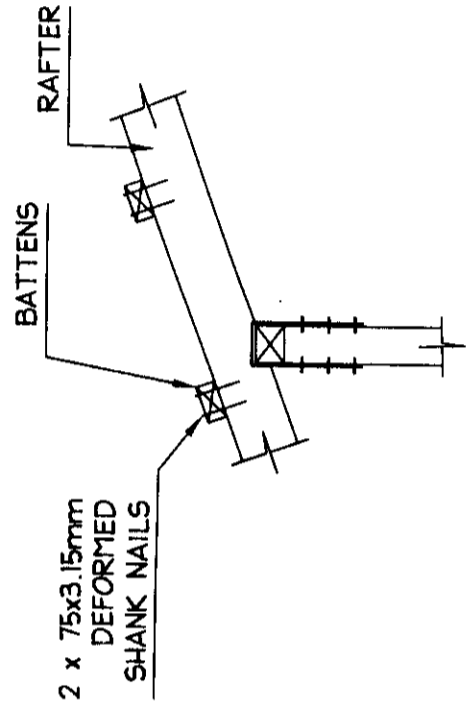
1. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WITH WORK.
2. FOR GENERAL NOTES AND DRAWING SCHEDULE REFER TO DRAWING NUMBER: S01.



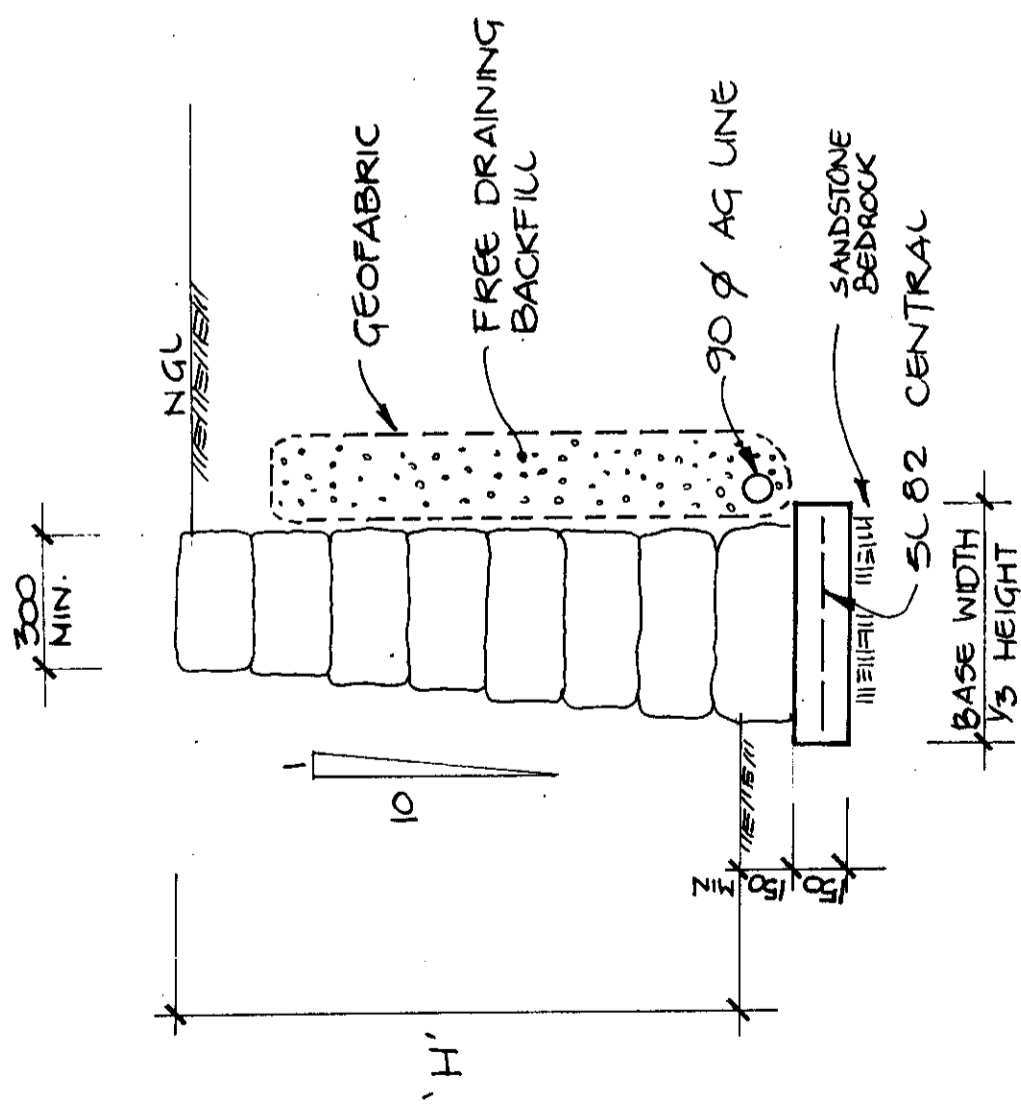
TYPICAL TIE DOWN DETAIL

PITWATER COUNCIL CONSTRUCTION CERTIFICATE
 Number: CC 0533/03
 This is a copy of submitted plans, documents or Certificates associated with the issue of the Construction Certificate.
 Endorsed by: [Signature]
 Date: 15 DEC 2003

DETAIL **B**



DETAIL **A**



RETAINING WALL DETAIL
1:20

We have viewed this drawing and endorse that recommendations given in our Report No. 17805/03 of (date) 25/2/03 have been adopted in principle, except for amendments noted or underlined in red which should be adopted.

Signed [Signature] Date 24/10/03

For Jeffery and Katauskas Pty Ltd
 39 Buffalo Road, Gladesville, 2111
 Telephone : 9809 7322

NORTHERN BEACHES
 Consulting Engineers P/L
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 e-mail: nb@norbeach.com.au



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 B.E.(Civil), MIEAust,
 Institute of Engineers Membership No. 788184
 I hereby state that this drawing is in compliance with the conditions of the development consent, the provisions of the Building Code of Australia and/or relevant Australian/Industry Standards.

DOCUMENT CERTIFICATION
 Date: **oct'03**
 Lucas Molloy
 (Northern Beaches Consulting Engineers)

Project: ADDITIONS TO GO ATTUNGA RD NEWPORT FOR: MR M. MCGAIN
 Drawing Title: RETAINING WALL & TYP. TIE DOWN DETAILS.
 The copyright of this drawing remains with Northern Beaches Consulting Engineers P/L

Date:	Revised:	Amendment:	Checked:
Date:	Design:	Drawn:	Checked:
Job No:	031005	LFC	
Rev:			