

# Application For Construction Certificate Made under the Environmental Planning and Assessment Act 1979,

Section 109 C (1b), 81 A (5)

## Address the application to:

- The General Manager Warringah Council DX 9118 Dee Why
- Customer Service Centre Warringah Council Civic Centre, 725 Pittwater Road Dee Why NSW 2099

## If you need help lodging your application:

Phone our Customer Service Centre on (02) 9942 2111 or come in and talk to us

## To lodge your application:

Phone quality application checker on 9942 2749 to make an appointment

Office	Use	Only
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June 07

DI 4 Annliannts (	244:10			
RT 1 Applicants [				
Applicant Details	Mr Mrs Ms Other			
It is important that we are able to contact you if we need more information.	Full Family name (no initials) (or Company)			
Please give us as much detail as possible.	Full Given names (no initials)  (or A.C.N)  RED ROCK DES.IGN			
	Postal address We will post all letters to this address  P. O. Box 612  NEUTRAL BAY  Postcode 208			
	Phone 9953 6006 Alternate (02) 9953 6006			
	Mobile 0406 575 097 Facsimile (02) 9953 6006			
	Contact Person RICHARD MONCKTON			
	Person who may be contacted to discuss the application during business hours			
RT 2 Owner's Co	nsent			
KI Z OWNEI 3 CO				
Owner's consent	Owner PHILIP JOHNSTON			
Every owner of the land must sign this form.				
If the owner is a company, the form	Address 5 RONALD AVENUE			
must be signed by an authorised	FRESHWATER			
director, and the common seal must be stamped on this form.	Postcode 209			
Alternatively a letter on company	As owner of the land to which this application relates, I consent to this application			
letterhead signed by authorised person/s.	also consent for authorised council officers to enter the land to carry out inspecti			
If the property is a unit under strata	relating to this application.			
title or a lot in a community title, then in addition to the owners signature the common seal of the body corporate	Applicant Signature Oggowy Date 25/8/0			
must be stamped on this form over the signature of the owner and signed by	Without the owner's consent, we will not accept the application. This is a very strice			
the chairman or secretary of the Body Corporate or the appointed managing agent.	requirement for all applications. Please contact Council for confirmation of land ownership, according to our records.			
Alternatively a letter on strata	If you are signing on the owner's behalf as the owner's legal representative, you			
management letterhead or minutes signed by Body Corporate Chairman.	must state the nature of your legal authority and attach documentary evidence (epower of attorney, executor trustee, company director, etc.)			
	The state of the s			
	WAFEFER OF SEP 2008			
	4 9 3 2 1			

٩.	Location of Property		Callal by Alie
	Location of Property	Unit No.	House No. 5 Street RONALD AVE
	We need this to correctly identify the land.	Suburb	FRESHWATER
		Real Property Description	LOT 8 D. P. 14564
_		(e.g. Lot/DP, etc)	
3.	Description of work	Type Building	Work Subdivision Work
	Please describe briefly everything	INTER	RNAL ALTERATIONS, DECK
	that you want approved by the council, including signs, hours		NOION AND NEW DOUBLE
	of operation, use, subdivision, demolition etc.	CAR	SCIE WITH LANDSCAPILIGOVE
	Estimated cost of work	Estimated cost of wo	rk: \$ 253,000
	Must be signed	Council reserves the right to seek	T
	The estimated cost of development or contract price is subject to	justification of the estimated cost from the applicant or by an	RICHARD MONCETON
	a check by Council before final acceptance.	appropriately qualified person.	NAME (printed), & qualification SIGNATURE of qualified person certifying value of work
_			
).	Development Consent	Dev. Consent No.	DA (Year) 2008 / (Number) 0624
		Date of Determinatio	5 JUNE 2008
	Building Code of	BCA Classification	
	Australia		This information is nominated on your development consent.
	Builder Details	Name	TBA
	If known. To be completed in the	Licence No.	
	case of residential building work.	OR	
	case of residential building work.	OR Owner/builder Permit	
) <u>/</u> A		Owner/builder Permit	
γ_	case of residential building work.  ART 4 Checklist &	Owner/builder Permit	
		Owner/builder Permit	
	ART 4 Checklist & the details sought in the ac	Owner/builder Permit  Declaration  ccompanying checklist  TED CHECKLIST MUS	must be provided.
	ART 4 Checklist & the details sought in the active the COMPLET FAILURE TO PROVIDE	Owner/builder Permit  Declaration  ccompanying checklist  TED CHECKLIST MUSTHE REQUIRED DOC	must be provided.  ST BE SUBMITTED WITH THIS APPLICATION.
	ART 4 Checklist & the details sought in the active the COMPLET FAILURE TO PROVIDE	Owner/builder Permit  Declaration  companying checklist  TED CHECKLIST MUSTHE REQUIRED DOC  RESULT IN YOUR AP	must be provided.  ST BE SUBMITTED WITH THIS APPLICATION.  SUMENTATION OF AN ACCEPTABLE STANDARD WILL
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## **Construction Certificate Checklist**

REQUIRED	SUPPLIED
	YES NO - WHY NOT
<b>DEVELOPMENT CONSENT COMPLIANCE STATEMENT</b> (3 copies) An itemised statement of compliance with all relevant conditions of your Development Consent. The conditions of your development consent will specify what additional information is required to lodge a Construction Certificate application.	
<b>PLANS</b> (3 copies)  Plans must be drawn to scale in ink and on A4 or A3 size paper. (Larger plans will only be accepted on prior agreement of Council) Free hand, single line or illegible drawings will not be accepted.	
<ul> <li>Three coloured copies of all plans must be submitted with your application</li> <li>Two A4 copies of each plan and diagrams must be supplied</li> <li>The following information should be included on all plans and documents:</li> <li>Applicant's name, block/house/shop/flat number, street/road name, town or locality</li> <li>Lot Number, section number, DP number. (Found on rate notice or land title)</li> <li>Measurement in metric</li> <li>The position of true north</li> <li>Building, or parts of building to be demolished to be indicated in outline</li> <li>Draftsman/Architect name and date</li> <li>Coloured on elevations/sections as colour code below:         <ul> <li>Brick – Red; Rooftiles – Orange; Concrete – Dark Green; Tile – Purple; Fibre Cement Sheets/Cement Render – Light Green; Glass &amp; Glass Bricks – Light Blue;</li> </ul> </li> </ul>	
Sandstone – Light Brown; timber – Yellow; Steel, Galvanised Iron – Dark Blue.  SURVEY PLAN (3 copies)	
<ul> <li>Information should include:</li> <li>Plan to scale preferably 1:100.</li> <li>Plan to show all existing structures.</li> <li>Plan to show all trees greater than 5m in height &amp;/or 3m in canopy spread. The exact location of any such tree, the RL at their base and their height and canopy spread.</li> <li>Location/position of all buildings/structures on adjoining land (showing street number and street address) and ridge heights of those buildings or structures at the boundary.</li> <li>Show the levels of the lowest floor, and of any yard or unbuilt on area belonging to that floor, and the levels of the adjacent ground.</li> <li>Levels – contour and spot levels (drawn at Australian Height Datum).</li> <li>Easements and rights of way (Council &amp; Private).</li> </ul>	
SITE PLAN (3 copies) A site plan is a birds-eye view of the existing and proposed development on the site and its position in relation to boundaries and neighbouring developments. A site plan should include:	M C
<ul> <li>Drawings to scale preferably 1:100.</li> <li>Location of the new and existing buildings in relation to site boundaries.</li> <li>Location/position of all buildings/structures on adjoining land (showing street number and street address).</li> <li>Location of any existing and proposed fences and landscaping features such as swimming pool, retaining walls, paved areas and driveways.</li> <li>Relative location of adjoining building.</li> </ul>	

REQUIRED	SUPPLIED
SITE PLAN (CON'T)  Location of any adjoining owner windows facing your development.  Levels – contour and spot levels.  Easements and rights of way including common or party walls.  Existing stormwater drainage location.  Location of vehicle access and car parking (indicating extent of cut and fill and gradients). Engineering details may be required.  Zone boundaries if multiple zoning apply.  Site safety and security fencing during construction.  Measurements including:  Length, width and site area of land, both existing and proposed.  Width of road reserve.  Distance from external walls and outermost part of proposed building to all boundaries.  Approximate distance from proposed building to neighbouring buildings.  SUBDIVISION, DRAINAGE AND ROADWORKS  If you are going to carry out work to do a subdivision (eg building roads or a stormwater drainage system):  The details of the existing and proposed subdivision pattern (including the number	YES NO - WHY NOT
of lots and the location of roads)  The details of the consultation you have carried out with the public authorities who provide or will increase the services you will need (like water, road, electricity, sewerage)  The existing fround levels and the proposed ground levels when the subdivision is completed  Copies of any compliance certificates on which you rely  Detailed engineering plans (3 copies). The detailed plans might include the following:  Earthworks  Roadworks  Road pavement  Road furnishings  Stormwater drainage (including onsite detention works/ water quality control	
ponds)  Water supply works  Sewerage works  Landscaping works  Construction  Management run  Traffic management plan  Soil and water management plan  Stormwater or on-site detention drainage plans in accordance with Councils "on-site stormater detention specification" Ilsax or drains model.  FLOOR PLAN (3 copies)	
A floor plan is a birds-eye view of your existing and/or proposed layout of rooms within the development. Floor plans should include:  Drawings to scale preferably 1:100. Outline of existing building/development on site (shown dotted). Room names, areas and dimensions. Window and door locations and sizes. Floor level and steps in floor levels. (RL's) Access for persons with a disability (if in a new public building). Location of plumbing fixtures (where possible). Wall structure type and thickness.	4 of 7

REQ	UIRED	SUPPLIED
Ele (ne	<b>EVATION PLAN</b> (3 copies) Evation plans are a side on view of your proposal. Drawings of all effected elevations orth, south, east and west facing) of your development need to be included in your	YES NO - WHY NOT
	Drawings to scale preferably 1:100.  Outline of existing building/development on site (shown dotted).  Location/position of all buildings/structures on adjoining land (showing street number and street address).  Exterior cladding type and roofing material/colour.  Window sizes and location.  Stormwater drainage pipes (downpipes and gutter).  Chimneys, flue exhaust vents, duct inlet or outlet.  Reduced levels (AHD) for Ridge & Floor as a minimum.	
Α:	ICTION PLAN (3 copies) Section(s) is a diagram showing a cut through the development at the most typical int. Sections should include:	
0 0 0 0 0	Drawings to scale preferably 1:100. Outline of existing building/development on site (shown dotted). Section names and where they are shown on plan (ie A/A B/B etc). Room names. Room and window heights. Details and chimneys, fire places and stoves. Roof pitch and covering. Site works, finished and proposed floor & ground levels in RL's (indicate cut, fill and access grades).	
▣	Stormwater or on-site detention drainage plans in accordance with Councils "on-site stormater detention specification" Ilsax or drains model.	
Α:	PECIFICATIONS AND STRUCTURAL DETAILS (3 copies) specification is a written statement that should include as a minimum:	
	The construction of the building to specific BCA standards and materials to be used.  Type and colour of external finishes.  Whether the materials will be new or second-hand, and if second-hand materials are to be used, particulars.  The method of drainage, effluent disposal and provision of water supply.	
	Any other details relevant to the construction of the building.  ste: Three copies of the specification must be supplied.	
AI If y	OVERTISING STRUCTURE/SIGN (3 copies) you are planning on erecting an advertising structure or sign you will need to supply be following:	
<b>II</b>	Details of the structure, materials to be used and how it will be fixed to the building. Its size, colours, lettering and overall design.  The proposed location shown on a scale plan and building elevation.  The amount and extent of light spill.	
	Proposed alterations to existing building (BCA Classes 2 to 9) to be accompanied by a fire safety measures schedule listing all existing and those proposed to be installed in the building including the standard of performance. For a new development (BCA Classes 2 to 9) a fire safety measures schedule listing all those proposed to be installed including the standard of performance.	□ ¥ N/A

REQUIRED	SUPPLIED
RESIDENTIAL FLAT BUILDINGS - DESIGN VERIFICATION  ■ Provide a design verification from a qualified designer in which the Development Application was required under clause 50 (1A) of the Environmental Planning and Assessment, Act, 1978. The design quality principles set out Part 2 of State Environmental Planning Policy No - 65 Design Quality of Residential Flat Developments.	YES NO - WHY NOT
HOME BUILDING ACT REQUIREMENTS In the case of an application for a construction certificate for residential building work (within the meaning of the Home Building Act 1989) attach the following:	
<ul> <li>in the case of work by a licensee under the Act:</li> <li>a statement detailing the licensee's name and contractor licence number, and</li> <li>documentary evidence that the licensee has complied with the applicable requirements of the Act, or</li> </ul>	
<ul> <li>in the case of work done by an other person:</li> <li>a statement detailing the person's name and owner-builder permit number, or</li> <li>a declaration signed by the owner of the land, to the effect that the reasonable market cost of the labour and materials involved in the work is less than the amount prescribed for the purposes of the definition of owner-builder work in section 29 of the Act.</li> </ul>	
A certificate purporting to be issued by an approved insurer under Part 6 of the Home Building Act 1989 to the effect that a person is the holder of an insurance contract issued for the purposes of that Part, is sufficient evidence that the person has complied with the requirements of that Part.	



CONFIRMATION OF SUBMISSION OF	ALL REQUIRED DOCUMENTATION.
Signature of Architect/Person Preparing P (Confirming submission of all required documentation)	Plans Date OFFICE USE Initials of Customer service officer acceptig application.
Office Use Only - Part A*	
Receipt No: Property No: C R No: Notes Number: Permit No: Date: Level No:  *Part A is a universal section	Cashier Type 6600:  Picked Up:  Receiving Officer:  Posted:  Inspection by:  Spoke to:  Total Amount Payable: \$  n, please use applicable boxes only
Credit Card Details - Council Payme	nt Fax No: 9942 2606
Please charge my: American Express Master Card Number: Card Holders Name Signature	Expiry Date /  Amount \$  Phone ( ) daytime
	ayments are subject to a 1% service fee.



## TAX INVOICE RECEIPT

Receipt Date: 8/09/2008

Receipt No.:

100028787

Cashier Id:

MIGLIJ

TE

R C & L M Monckton C/-10/246 Pacific Highway CROWS NEST NSW 2065

Please recycle your waste

Description	Property	Application :	Reference	<b>.</b>	Amount	
Receipt	132464	Rams	CC2008/0881		-\$1,800.00	
	5 Ronald Avens					-
				Total Paid:	-\$1,800.00	)
			Total Paid incl	udes GST of:	\$0.00	) =

Amounts Tende	red				
Cash	Cheque	Db/Cr Card	Money Order	Agency Rec	Total
\$0.00	\$1,800.00	\$0.00	\$0.00	\$0.00	\$1,800.00
		Drinth 10	00000	Rounding:	\$0.00
TE		PrintM∈	essaye	Change:	\$0.00
Cheques Accepted Subject	to Clearance			Nett:	\$1,800.00
Credit Card Payments attra	ct a Surcharge of 1%	1			
Printed 8/09/2008 11:14:24	1 AM				Page 1 of 1

## Red Rock design redrock@zipworld.com.au

5 September 2008

Warringah Council Civic Centre 725 Pittwater Road Dee Why NSW 2099

Suite 21/50 Yeo Street Neutral Bay 2089 NSW P.O. Box 612 Neutral Bay T - F (02) 9953 6006

## RE: 5 RONALD AVENUE HARBORD 2096 (DA 2008/0624) Construction Certificate Application Consent Compliance Statement

In relation to the development consent for the above property, I confirm that the following conditions of consent have been addressed with this construction certificate application;

## Condition 3 (Amended Plans)

Amended plans illustrating deletion of the balustrade above the garage with the area above the garage to remain non-trafficable.

## Condition 5 (Stormwater To Be Gravity Fed)

A drainage plan has been submitted illustrating a gravity fed stormwater system that discharges to the Ronald Avenue kerb in accordance with the provisions of AS 3500.3.2

## Condition 6 (Sydney Water Approval)

The approved consent plans have been submitted to Sydney Water for approval and stamping and these plans are submitted with this construction certificate application.

## Condition 9 (Garage Floor Level)

Plans submitted with this application illustrate the garage floor lowered to RL 38.10

## Condition 10 (Vehicle Crossings)

One vehicle crossing five metres wide has been illustrated on the enclosed plans.

## Condition 14 ( Damage To Public Infrastructure )

A dilapidation survey of council's assets including photographs and written record has been submitted with this construction certificate application.

## Condition 19 & 20 (Structural Adequacy & Design Certificate)

A certificate prepared by a qualified structural engineer certifying the structural adequacy of the property and also certifying that the design is in accordance with all relevant Australian Standards has been enclosed with this construction certificate application.

## Condition 40 ( Protection of Trees )

Details of the protection methods of the remaining Banksia street tree have been provided.

## Schedule of Minor Changes To Development Consent Plans

The following minor changes have been made to the construction certificate plans other than those changes requested in the conditions of development consent;

## **Ground Floor Plan**

- . Window 4 north elevation to bedroom no 3 reduced in size.
- . Proposed window 3 to south elevation bedroom no 4.
- . Door opening reduced to fit existing opening in family room west elevation.
- High level family room window to north elevation removed.
- Existing window opening width retained to laundry west elevation.

### First Floor Plan

- . Kitchen configuration and south facing window retained without change.
- . Window and door configuration reduced on eastern side to suit existing openings.
- Deck length reduced to west elevation.
- . Window to bedroom 1 retained on west elevation.
- . Existing concrete tiled hipped roof and awning over entrance retained without change.

Should you require any further information please do not hesitate to contact me.

Yours Sincerely

Richard Monckton

Red Rock design ( Applicant )



## **Waddington Consulting Pty Ltd**

ACN 130 522 851 Structural and Civil Engineering Suite 6, Level 5 22 Central Ave, Manly P.O. Box 1044 Manly NSW 1655

> P (02) 9976 0070 F (02) 9976 0095

1 September 2008

Mr Philip Johnston 5 Ronald Ave Harbord NSW

c/o Redrock Design Suite 21, Level 1 5 Yeo St Neutral Bay NSW 2089

Attention:

Mr Richard Mondeton

Dear Flichard,

Subject:

Alterations & Additions at 5 Ronald Ave, Harbord Certificate for Design & Structural Adequacy

Flease find attached engineering drawings 7183-\$0.00, \$0.01, \$1.00, \$1.01, \$1.02, \$2.00, \$3.00, \$3.01 relating to the proposed alterations and additions at 5 Ponald Avenue, Harbord.

I certify that the structural engineering design of the elements shown on the above-mentioned plans has been carried out in accordance with the BCA, relevant Australian Standards and normal engineering practice.

The existing residence consists of double storey full brick and concrete floor slab construction with a tiled roof. At the time of my initial inspection there was some spalling of the concrete and evidence of corrosion of the steel reinforcement. The remediation of the slab including the removal of all the magnesite underlay is included in the works for this project.

Overall, the structure appeared to be generally in good condition for its age and capable of withstanding the additional loading from the proposed additions if constructed in accordance with the above mentioned plans, the Building Code of Australia and relevant Australian Standards.

Flease do not hesitate to contact me if you have any queries regarding this project or require any further structural engineering advice.

Yours sincerely,

Simon Waddington

MIEAust CPEng NPER (Structural)

Suria lebell job

Director

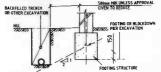
Waddington Consulting Pty Ltd

## PROPOSED ALTERATIONS & ADDITIONS at: 5 RONALD AVENUE, HARBORD 2096 NSW for PHILIP JOHNSTON

7183-50.0							
7183-S0.0							
7183-S1.0	0	GARAGE	& R0	OF LE	VEL SL	AB PLA	٩N
7183-S1.0	1	GARAGE	DETA	ILS -	SHEET	1 of	2

7183-S1.02....GARAGE DETAILS - SHEET 2 of 2
7183-S2.00...GROUND FLOOR FRAMING PLAN
7183-S3.00...FIRST FLOOR & ROOF FRAMING PLANS
7183-S3.01...FIRST FLOOR & ROOF FRAMING DETAILS

## STRUCTURAL NOTES



BAR DIA	TENSION SPLICE LENGTH	COMPRESSION SPLICE LENGTH
N12	475	450
N 1 6	750	600
N 2 0	1000	750
NZ4	1100	9 0 0 CALLY AND NOT NECESSARILY

ISSUED FOR CONSTRUCTION

PROPOSED ALTERATIONS & ADDITIONS at: 5 RONALD AVENUE, HARBORD 2096 NSW for: PHILIP JOHNSTON DESIGNER/ARCHITECT: Red Rock Design STRUCTURAL NOTES-SHT 1 of 2 CONCRETE

LOCATION	CONCRETE GRADE (NP+)	FAST AGAINST GNOURD	CAST IN FORMS WITH EXPOSURE	CAST IN FORMS & NOT EXPOSES
FOOTINGS	25	So	So	30
SLABS ON GROUND	32	40	40	25
SUSPENDED SLABS	32	40	40	25

DEPTHS OF BEAMS ARE GIVEN FIRST AND INCLUDE SLAB THICKNESS.

CONCRETE SIZES SMOWN DO NOT INCLUDE THICKNESSES OF APPLIED FINISHES.
PHISHES. NO FINESH WHICH DECREASES COVERS IS ALLOWED WITHOUT THE
WHITTEN APPROVAL OF THE POMISHES.
FOR CHAPTERS, DRIP GROOVES, REGLETS, ETT. REPERT TO ARGITECT'S DETAILS,
MAINTAIN COVER TO RENFORCEMENT AT THESE DETAILS.

PHON WRITTEN APPROVAL OF THE ENGINEER.
CONSTRUCTION JOHN'S AND CLOSING STRPS SHALL BE USED TO CONTROL AND
REDUCE SHRINKAGE CRACKING IN MALLS AND FLORRS, AND COLD JOHN'S IN LARG
POURS. THESE JOIN'S SHALL BE PLANNED IN ADVANCE, TO THE APPROVAL OF
THE ENGINEER.

COPPLIANCE WITH ARCHITECTURAL AND DISSINGERING ORWANDO.

BOLTSAAYS., COMPRECIAL BOLTS OF SARDE AS TO AS STITL, SAND TISSINGERINGERS
AS SHOWN STRINGERS STRUCTURAL BOLTS OF GRADE AS TO AS TISS.

MANG TISPITED.

MANG TISPIT

PERETRATION WELDS TO AS 755.4.
ALL DETAILS, GAUGE LINES ETC. WHERE NOT SPECIFICALLY SHOWN ARE
TO BE IM ACCORDANCE WITH AISC DESIGN CAPACITY TABLES FOR
STRUCTURAL STEEL AND AISC STANDARDZED STRUCTURAL
COMPECTIONS, PLATES TO BE 1900M TRICK EX-TANDARD SQUARE EDGE

FLAT'S LUID.

PROVIDE SEAL PLATES TO ALL HOLLOW SECTIONS. PROVIDE VENT HREE'S TO HALLOW HENDERS IS DAMAH HOLES TO ALL KHEMERS TO BE AT DEPOCATIVE AND THE PLATE OF THE PLATE O

ELEMENT	SURFACE CLEANING	PROTECTIVE COATING
INTERNAL	POWER WIRE BRUSHING OF ABRASIVE ORIT BLASTING	1 COATRUST INHIBITIVE ALKYD PRIMER OR EQUIV. + 1 TOP COAT ALL WEATHER GLOSS ACRYLIC
EXTERNAL	ABRASIVE GRIT BLASTING (CLASS 2.5) or PIEKLING	1 COAT MORGANIC ZINC SLICATE PRIMER OR EQUIV. + 1 TOP COAT ALL WEATHER GLOSS ACRYLIC WITH UV PROTECTOR
EXTERNAL	PIEKLING	HOT DIP GALVANISED

THE BUILDER SHALL PROVIDE ALL CLEATS AND DRILL ALL HOLES NECESSARY YOR PRINGS STEEL TO STEEL AND THEBUT TO STEEL AND THEBUT TO STEEL AND THEBUT TO STEEL AND THEBUT TO STEEL AND THE FARBACKATOR AND RESECTION OF ITS STRUCTURAL STEEL WORK SHALL SUPERVISOR, CENTRE OF ALL DELAYS AND THE STRUCTURAL SHAPE OF PERSON EXPERIENCE AND THE THE ALL BEARS AND RAFTERS SHALL BE FARRACKATOR AND DESCRIPTORY AND THE STRUCTURAL DROWN OF SUPPRINGS SHAPE LONGTHIS.

SHALL SHALL DALL SE EXPERTED IN SALE LENGTHIS.

SHALL SHALL DALL SE PERFETTED IN LOCATIONS SHOWN ON THE STRUCTURAL DROWNING.

### BLOCKWORK

BL1 ALL WORKHAASHP AND MATERIALS SHALL BE IN ACCORDANCE WITH ASSTOR
BL2 STREWGINS OF HASONEY UNITS AND TYPE OF HORTAR SHALL BE AS
FOLLOWS.
CHARACTERISTIC UNCONFINED COMPRESSIVE STRENGTH I'UC = 15 MPa
HORTAR (EMERT I UNE SAMD) = 1 10.25 13

NO CHASES OR RECESSES ARE PERMITTED IN LOAD BEARING MASONRY WITHOUT THE APPROVAL OF THE ENGINEER.

BL7

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DESCRIPTION OF THE PROPERTY OF

ISSUED FOR CONSTRUCTION

PROPOSED ALTERATIONS & ADDITIONS
at: 5 RONALD AVENUE, HARBORD 2096 NSW
for: PHILIP JOHNSTON Waddington Consulting Pty Ltd

Waddington Consulting Pty Ltd

Structural and Civil Erigineering Consultants

Structural and Civil Erigineering Consultants

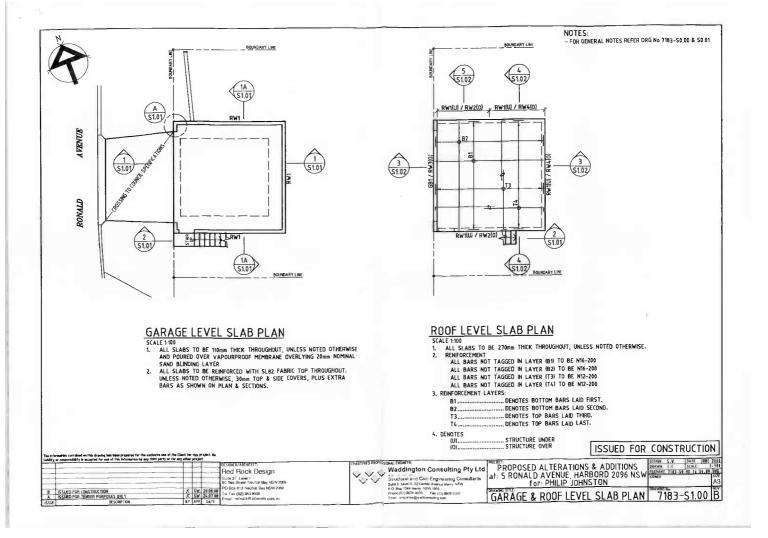
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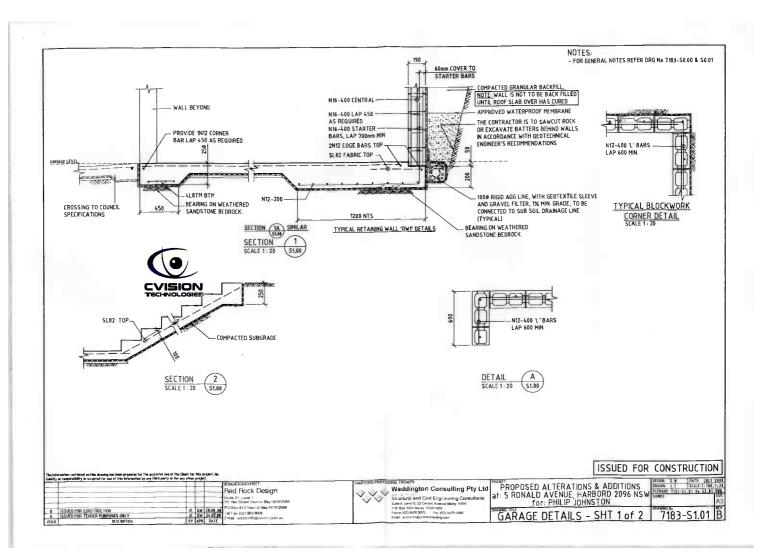
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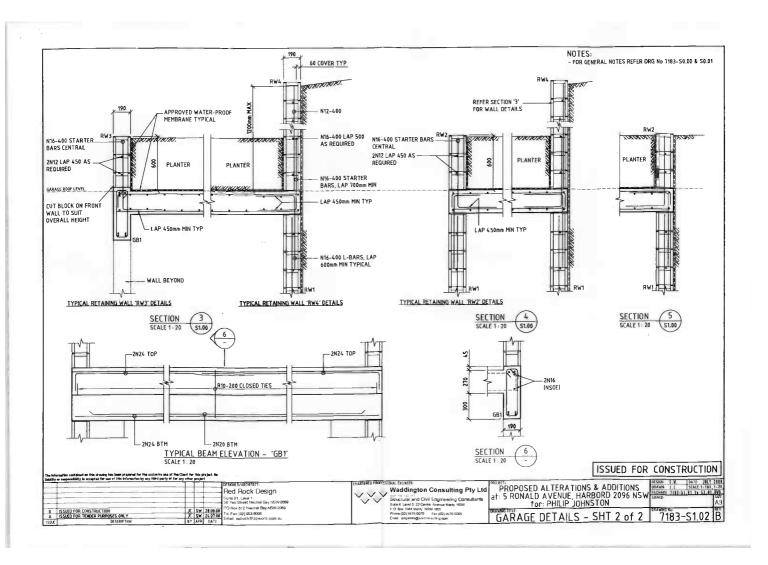
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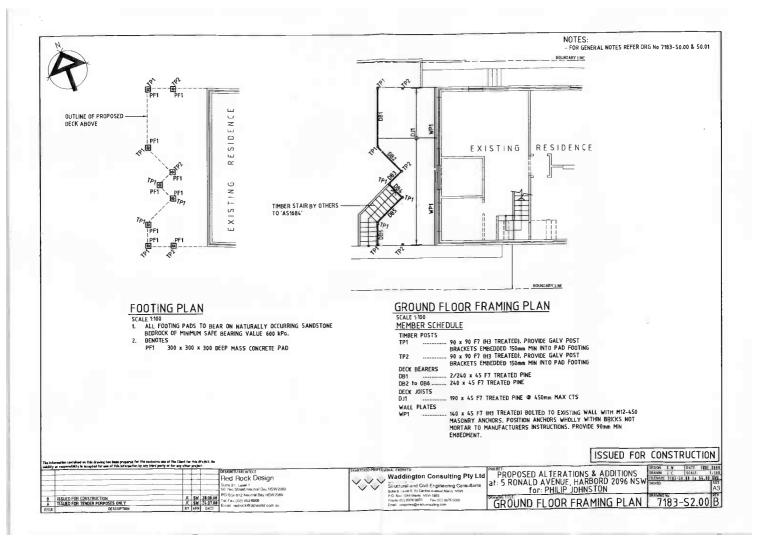
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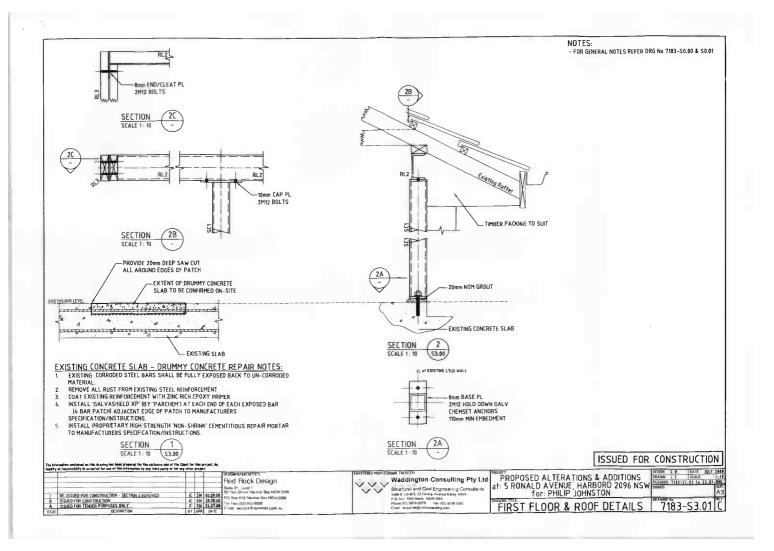
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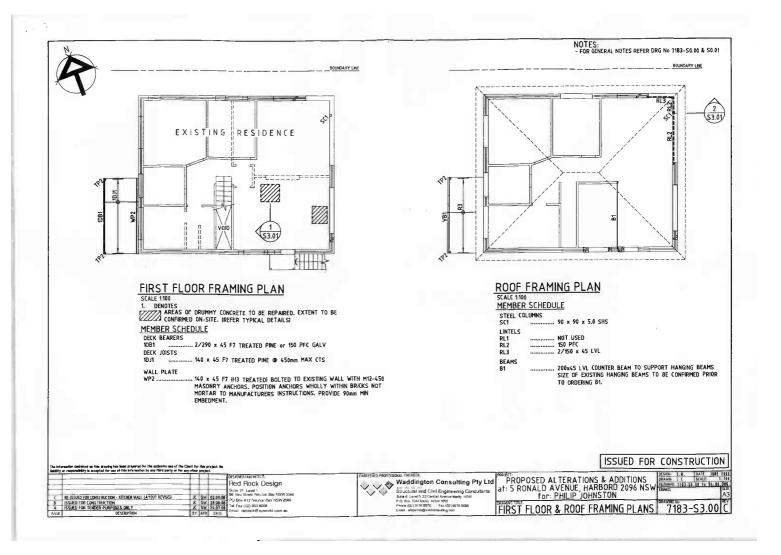












## Red Rock design

redrock@zipworld.com.au Neutral Bay 2089 NSW P.O. Box 612 Neutral Bay tel & fax ( 02 ) 9953 6006

5 September 2008

Warringah Council
Civic Centre
725 Pittwater Road
Suite 21/50 Yeo Street
Dee Why NSW 2099

RE: 5 RONALD AVENUE HARBORD 2096 (DA 2008/0624) Dilapidation Survey of Council's Assets Road Kerbs to Ronald Avenue and Lodge Lane

This written statement together with enclosed photographs taken during August 2008 describes and illustrates the condition of the existing road and nature strip to area's of council's assets directly to the east and west of 5 Ronald Avenue, Harbord 2096.

## Photograph (1)

Overall streetscape view of road kerb to Ronald Avenue nature strip and existing street trees. The tree in the centre is to be retained and the tree to the right is to be removed in order to provide the proposed concrete vehicular road crossing to the development approved double garage constructed up to the western boundary of the subject property.

## Photograph (2 & 3)

Detail of road kerb in location of existing street tree to be retained showing concrete kerb and gutter in good condition with only hairline surface cracking of concrete.

## Photograph (4)

Detail of road kerb around location of street tree to be retained showing cracking of road kerb due to the proximity and growth of the street tree to the road kerb.

## Photograph (5)

Detail of road kerb in location of existing street tree to be removed showing concrete kerb and gutter in reasonable condition with only hairline surface cracking of concrete.

## Photograph (6)

Overall streetscape view of road kerb to Lodge Lane at eastern side of subject property. Road crossing to be made redundant with proposed vehicular access from Ronald Avenue.

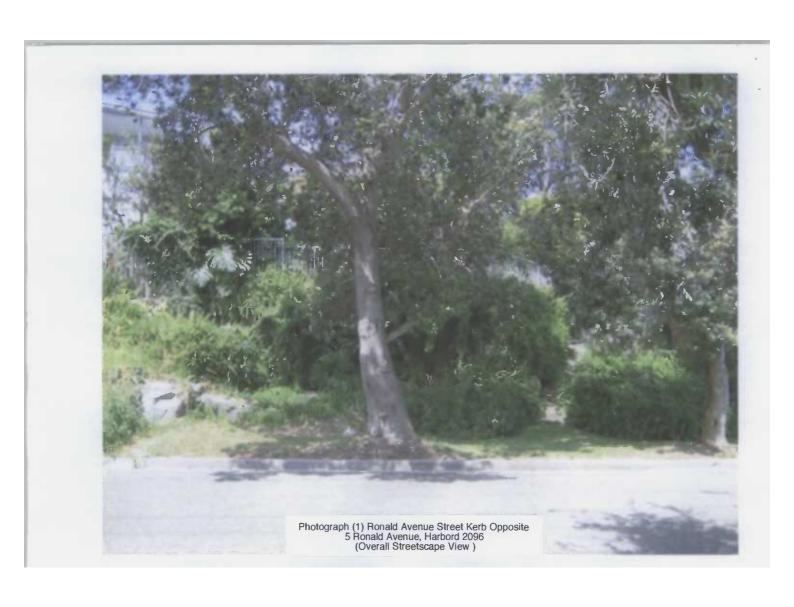
## Photograph (7 & 8)

Detail of road kerb and existing road crossing showing concrete kerb and gutter in good condition with no surface cracking of concrete.

Should you require any further information please do not hesitate to contact me. Yours Sincerely

Richard Monckton

Red Rock design (Applicant)











# Schedule of Australian and Building Code of Australia Standards 5 Ronald Avenue Harbord NSW 2096 DA 2008/0624 ( Determination Dated 5/6/08 )

### General

All construction to comply with the requirements of the Building Code of Australia, local government codes and relevant Australian Standards listed below.

This summary to be read in conjunction with drawings 01&03 (Issue C) September 2008

Demolition - All demolition to comply with A.S. 2601-1991

Concrete -To comply with A.S .3600 Concrete Structures Code and AS 1379

Structural Steel - To comply with A.S. 4100 and AS 1554

Brickwork - Brickwork to comply with the S.A.A. code and A.S. 3700

Flooring - Flooring to comply with A.S. 1860 and A.S. 3740 & Part 3.8.1 of the B.C.A.

Windows and external doors - To comply with A.S. 1288-1994 A.S. 2688 1994 A.S. 1909-1998

Timber Framing - To comply with A.S. 1684 and A.S. 1720.1 Frame and Structure Code

Internal Linings -To comply with with A.S. 2588 and A.S. 2908.2

External Linings - To comply with A.S. 2908.2 1992

Staircase and Balustrade - To comply with Section 3.9.1 of the Building Code of Australia

Roof Covering - To comply with A.S. 4100.1-1994 and A.S. 4100.2 1994

Storm Water Drainage - To comply with A.S. 3500.3.1-1998 and A.S. 3500.3.2 - 1998

Termite Control -To comply with ASYLES 4 - 1995

Plumbing and Drainage - To comply with A.S. 3500.3.2 - 1998

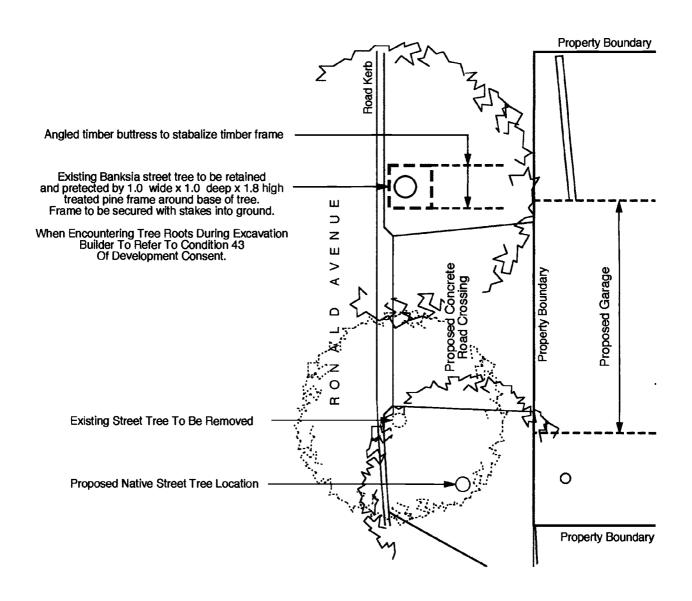
Electrical - To comply with A.S. 3000 - 1991

### Smoke Alarms & Fire Safety Schedule

To comply with Part 3.7.2 of the Housing Provisions or A.S. 3786

An automatic fire detection and alarm system is to be installed into the dwelling and connected to the mains electricity supply and have a stand by power supply.

Each floor level of the dwelling will have a ceiling fixed smoke alarm located in each bedroom, hallway and living area.



## TREE PROTECTION PLAN Scale 1: 100

## 5 RONALD AVENUE HARBORD 2096 NSW

DA2008/0624

September 2008

Red Rock design Suite 21, Level 1 50 Yeo Street Neutral Bay 2089 redrock@zipworld.com.au tel (02) 9953 6006

