

Building Certifiers
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Fire Safety Consultants

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14 August 2009

The General Manager Manly Council PO Box 82 Manly NSW 1655

Attention: Planning Department

Dear Sir/Madam.

RE: DA NO: 205/07

136 CONDAMINE STREET, BALGOWLAH NSW

Please find attached the Construction Certificate for the proposed development that has been granted by the Accredited Certifier.

The certificate relates to the erection of a front fence and gate only, at the above address.

Together with the certificate, we have enclosed the following for Council's record:

- 1. Notice of Commencement of Building Work & Appointment of PCA
- 2. Application Form
- 3. Other Documentation relied upon
- Approved Plans

We have attached a cheque for the registration of this certificate. In forwarding the receipt for this cheque it is requested that reference be made to the address of the premises.

If you have any queries regarding the above please do not hesitate to contact the undersigned on 9279 3657 during business hours.

Yours faithfully,

Wayne Treble

Dix Gardner Ptv Ltd

CC:- Caverstock Group Pty Ltd.

\$30.00 R/~ 630321 PG5 19/8/09

Fax: 02 4927 1844



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Construction Certificate

Issued under the Environmental Planning and Assessment Act 1979

Certificate No.:

311/09

Subject Land: Lot and DP:

136 Condamine Street, Balgowlah NSW

Lot 31, DP 9789

Applicant:

Caverstock Group Pty Ltd.

Address: Ph./Fax:

300 Sydney Road, Balgowlah NSW

0411-408-646 / 9264-9396

Owner:

Thomas L. Baker

Description of Building Works:

Erection of a front fence & gate only

BCA Classification:

Class 10b

Cost of Building Works:

\$36,000

Builder:

Bosco Building Pty Ltd.

DA No.:

205/07

Determination Date:

8/08/2007

Consent Authority:

Manly Council

Date of Receipt of CC application:

Determination:

30/04/2009 Approved

Date of Determination:

14/08/2009

Approved Plans:

Network Design; Project 05-07-C0

Sheets 1 & 2 dated May 2007.

Attachments:

Other Documentation relied upon

Approved Plans

Accreditation Level:

A1 - Accredited Certifier - Building Surveyor Grade 1

Registration No.:

BPB0413

Accreditation Body:

Building Professional Board

I certify that:

 the work, if completed in accordance with documentation accompanying the application for the certificate (with such modifications verified by the certifying authority as may be shown on that documentation), will comply with the requirements of *Environmental Planning & Assessment (EP&A)* Regulation 2000 as are referred to in sec. 81A (5) of the EP&A Act 1979.

Signed:

Wayne Treble

Accredited Certifier

Date: 14/08/2009



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APPLICATION FORM

Environmental Planning & Assessment Act 1979, s.109C Environmental Planning & Assessment Regulation 2000, cl.126 or 139

ļ	Construction Certificate (CC) Strata Certificate (SC) Complying Development Certificate (CDC)
APPLICANT	
Name .	CAVERSTOCK GROUP PTY LIMITED
Address	300 SYDNEY ROAD
	BALGOWLAH NSW .
Signature & Date	Affec 23-4-09
Phone & Fax	0411 408 646 9264 9396
OWNER	
	THOMAS LESUE BAKER
110	136 CONDAMINE ST BALGOLAST
Addless *	
As the owner/s of Certificate for the Signature & Date	of the subject property, I/we hereby consent to this Application of the proposed development described below.
SUBJECT LAND	136 CONTRAMINE ST BALGOWLAN
Address	100 00000000000000000000000000000000000
Lot & DP	NSW. LOT 31 DP 9789
PROPOSAL	
Description	New front ferce and crossover
Or No. of Lots	,
(if Strata)	
DEVELOPMENT C	CONSENT NOT APPLICABLE FOR APPLICATIONS FOR CDC
DA No.	205/07
Date of Lodgeme	
Date of Determin	lation
VALUE OF WORK	(S
Estimated Cost of Works	36,000 -

Level 4, 155 Castlereagh Street Sydney NSW 2000 Tel: 02 9275 3657

Fex: 02 9279 9686

Level 2, 25 Watt Street P.O. Box 1809 Newcestle NSW 2300 Tel: 02 4927 1822 Fax: 02 4927 1844



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Notice of C	ommencement of Building Work and Appointment of Principal Certifying Authority Environmental Planning and Assessment Act 1979 Sections 81A (2) (b) (ii) or (c), or (4) (b) (ii) or (c), 86 (1) and (2)
_ Address	136 CONDAMINE STREET BALGOWLAH NSW
OWNER	
Name	THOMAS LESLIE BAKER
Address	136 CONDAMINE ST BALGOLIAIT
Proposal	
Description	New front fence and cross over.
CONSENT	
DA/ CDC No. Date of Determina	205/07 ation 8-8-07
PRINCIPAL CERT	FYING AUTHORITY
Name: Accreditation no: Accreditation grad Accreditation bod Address:	
COMPLIANCE WIT	H CONDITIONS & H.O.W. INSURANCE
	onditions of development consent CDC been complied with? Yes No ements under the Home Building Act 1989 been complied with? Yes No
DATE WORK IS TO	COMMENCE
The state of the s	from the date of lodgement of this form with the consent authority
X Owner's signatur √ Date	14/0/-0

Level 4, 155 Cestlereegh Street Sydney NSW 2000 Tel: 02 9278 3657 Fax: 02 9279 3686



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Notification of Mandatory Inspections
Environmental Planning and Assessment Act 1979 Sections 81A & 86 and Regulation 2000 Clauses 103A & 135A

Subject Land
Address 136 CONDAMINE ST BALGOWLAH
Description of Works New front fence and Cross over.
Consent
DA/ CDC No CC No
Principal Certifying Authority
Name: Accreditation no
The Following are Critical Stage Mandatory Inspections
They are required pursuant to Section 109E (3) (d) of the Act & Clause 162A of the Regs
(a) at the commencement of the building work, and (b) after excavation for, and prior to the placement of, any footings, and (c) prior to pouring any in-situ reinforced concrete building element, and (d) prior to covering of the framework for any floor, wall, roof or other building element, and (e) prior to covering waterproofing in any wet areas, and (f) prior to covering any stormwater drainage connections, and (g) after the building work has been completed and prior to any occupation certificate (DG) (5) In the case of a class 2, 3 or 4 building, (a) at the commencement of the building work, and (b) waterproofing in any wet areas, for a minimum of 10% of rooms with wet areas
(c) prior to covering any stormwater drainage connections, and (AE) (d) after the building work has been completed and prior to any occupation certificate (DG)
(6) In the case of a class 5, 6, 7, 8 or 9 building, (a) at the commencement of the building work, and (b) prior to covering any stormwater drainage connections, and (c) after the building work has been completed and prior to any occupation certificate.(DG)
Legend: DG = Dix Gardner AE = Accredited Engineer Eng = Member IE Aust
Person with the benefit of the Development Consent/
× Name Thomas BAKER xSignature >Date 28-4-09

Please Note: If a builder is appointed the legislation requires you to notify them of these inspections. A missed inspection may result in the PCA being prohibited from issuing an Occupation Certificate.

Fax: D2 9279 3686

ABS Schedule to Construction Certificate Application

particulars of the proposal

and the state of the level (mo2)	NA
What is the area of the land (m²)	ΝĄ
Nhat are the current uses of all or parts of the building(s)/land? if vacant state vacant)	NA
_ocation Use	•
This is for a front fence	
Does the site contain a dual occupancy?	NA
What is the gross floor area of the proposed addition or new	NA
building (m²) What are the proposed uses of all parts of the building(s)/land?	
Location Use	
This is for a front-ferce.	·
	<i>N</i> 4
Number of pre-existing dwellingsNumber of dwellings to be demolished	NA
How many dwellings are proposed?	NA.
How many storeys will the building consist of?	MA.

materials to be used

Place a tick adjacent to the material which best describes what the new work will be constructed of:

walls brick veneer full brick isingle brick concrete block is concrete/masonry concrete steel fibrous cement hardiplank cladding - aluminium curtain glass other unknown	code 12 11 11 11 20 20 60 30 30 70 50 80 90	roof aluminium concrete concrete tile fibrous cement fibreglass masonry/terracotta shingle tiles slate steel terracotta tile other unknown	code 70 20 10 30 80 10 20 60 10 80 90
floor concrete timber other unknown	20 10 80 90	frame timber steel other unknown	40 60 80 90

136 CONDAMINE STREET, BALGOWLAH

EROSION AND SEDIMENT CONTROL PLAN

1. Scope of Works

The work to be carried out is the construction of a new vehicular cross over and the removal and construction of the front fence. The works are relatively minor and the existing ground levels are to be maintained. This will also mean that the current overland water paths, which are typically away from the existing fences (and the area of works), are to be unaltered.

2. Grass Fitter Strip

The existing grass nature strip adjoining the fence will be maintained for the duration of the works. This will act as a buffer to trap any sediment.

3. Sediment Sock in Street Gutter

As a final barrier, a Sediment Sock will be placed diagonally in the gutter on the low side of the property to form a dam. Any trapped sediment will be cleared out at the conclusion of each days work (or as necessary).

136 Condonie St Bolgowish

SYDNEY WATER APPROVED

- Position of structure in relation to Sydney
 Water's assets is satisfactory.
- Connections to Sydney Water sewer/water services may only be made following the issue of a permit to a licenced plumber/diainer.
- It is the owner's responsibility to ensure that all proposed fittings will drain to Sydney Water's sewer.
- Any Plumbing and for Drainage Work to be carried out in accordance with the Sydney Water Act 1994, AS 3500 and the NSW Codeof practice.
- Gullies, Inspection Shefts and Boundary Traps shall not be placed under any Roof, Balcony, Verandah, Ploor or other cover unless otherwise approved by Sydney Water.
- 6. Property No. 3249211

Reece, Brookvals. Quick Check Agent on behalf of SYDNEY WATER



Application Lodgement Summary



Reference Number 2584953

Date Requested: Fri June 5 2009

Agent

Reece Brookvale, 25 Orchard Road Brookvale

Applicant

Caverstock Group, 185 Liverpool st Sydney 2000

Property/Asset

136 Condamine St. Balgowlah 2093 (Tl Baker) PNum: 3249211

225 mm VC Sewer Main - (4237017)

Product

Building Plan Approval Application

Charge

Product Cost GST

Total

Building Plan Approval Application Fee

\$25.00 \$0.00 \$25.00

Property Special Conditions

Boundary Trap Required	Yes
Watercharged/Tidal area	No
Partial Drainage area	No
Aggressive Soil area	No
Cast Iron Pipe area	No
Sewer Surcharge area	No
Minimum Gully Height area	No
Sewer Available	Yes
Connection Type	Gravity

You must contact Sydney Water's Plumbing Inspection and Assurance Services on Ph: 1300 889 099 to clarify the property special conditions where the property special conditions are not shown (yes or no), are shown as "unset", "unknown" or "not available" or if the proposed development is being built over more than one existing property.

Please note that boundary traps must be fitted for all commercial and industrial properties and you must ensure that all plumbing/drainage and building works are carried out in accordance with the relevant codes and standards.

A water meter is required to be fitted to the property during construction. You will need to ensure that your licensed plumber carries out this work in accordance to the relevant codes and standards.

Greg Sullivan

From: Rob Michael [Rob.Michael@manly.nsw.gov.au]

Sent: Thursday, 11 June 2009 11:47 AM

To: Greg Sullivan
Cc: Bill Adamopoulos

Subject: RE: PRIVATE - 134 to 140 Condamine St, Balgowlah.

Great I'll talk to you then. Thanks

Regards,
Rob Michael
Engineer -Infrastructure and Services
Manly Council
9976-1621

From: Greg Sullivan [mailto:gsullivan@caverstockgroup.com.au]

Sent: Thursday, 11 June 2009 11:34 AM

To: Rob Michael

Cc: Steve Quill; Pat Gocher; Bernard Quinlan

Subject: RE: PRIVATE - 134 to 140 Condamine St, Balgowlah.

Rob,

Thank you for your assistance with this – we will brief the Contractor today on the proposal for wider cross-overs.

I will have you called for the formwork inspections. We will have this work commenced early next week.

Regards, Greg Sullivan Development Manager Caverstock Group Pty Ltd

t 02 9264 3188 f 02 9264 9396

m 0411 408 646

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CONFIDENTIALITY NOTE: The information in this email is privileged and confidential. It is intended only for the use of the named recipient. If you are not the intended recipient, please telephone the sender immediately on (61 2) 9264 3188 (we will accept reverse charges) and delete the email and any attachments. You should not disclose the contents to any other person or print any copies.

From: Rob Michael [mailto:Rob.Michael@manly.nsw.gov.au]

Sent: Thursday, 11 June 2009 10:11 AM

To: Greg Sullivan Cc: Bill Adamopoulos

Subject: RE: PRIVATE - 134 to 140 Condamine St, Balgowlah.

Hi Greg,

Please proceed with the driveway construction as discussed on site with the extended widths and notify me when you ready for a formwork inspection. Thanks

Regards, Rob Michael

Engineer -Infrastructure and Services Manly Council 9976-1621

From: Greg Sullivan [mailto:gsullivan@caverstockgroup.com.au]

Sent: Wednesday, 10 June 2009 12:49 PM

To: Rob Michael

Cc: Wayne Treble; Bernard Quinlan; Steve Quill; Pat Gocher **Subject:** PRIVATE - 134 to 140 Condamine St, Balgowlah.

FOR THE ATTENTION OF MR ROB MICHAEL Balgowlah

re: Vehicular Cross-overs Condamine St.

,

Notice as Required for Proposed Vehicular Cross-

overs

Hi Rob,

Thanks for your time to meet with me on site at the "affected properties" 134 to 142 Condamine St Balgowlah on 5-6-2009.

As promised please find attached Plans of each Proposed Vehicular Cross- over and other information, showing the following –

- 1. Comparison of Existing to Proposed Cross- over.
- 2. Turning Movements "IN" as plotted by B.G.E p/l our consultant.
- 3. Turning Movements "OUT" as plotted by B.G.E p/I our consultant.
- 4. Part plan showing B.G.E. Specs for Turning Movements.
- 5. Our Submission to Manly Council 30 September 2008.
- 6. Manly Council response 4 Feb 2009 with no response to Vehicular Cross-overs.
- 7. Surveyors Plan of existing footpath and cross-overs.

As you can see by the Turning Movements required for residents moving into their properties, the Cross overs from 134 to 142 Condamine St will need to be widened, due to other Vehicles turning into the Village Shopping Centre Carpark.

Could you please respond with approval for these Proposed Cross-overs?

Regards, Greg Sullivan Development Manager Caverstock Group Pty Ltd

t 02 9264 3188

f 02 9264 9396

m 0411 408 646

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LONG SERVICE
BUILDING & CONSTRUCTION

14 August 2009

CAVERSTOCK L1, 185 LIVERPOOL ST SYDNEY NSW 2000

Building and Construction Industry Long Service Payments Corporation Level 1 19-21 Watt Street Gosford NSW 2250 Locked Bag 3000 Central Coast MC NSW 2252 Tel: 13 14 41 Fax: (02) 9287 5685 Email: info@lspc.nsw.gov.au www.lspc.nsw.gov.au ABN 93 546 090 808

As per your request for a copy of your receipt no. 00071821 dated 14 August 2009, the following information is provided:

Received from: (Name of person or organisation paying for levy) the amount of CAVERSTOCK \$126.00 Payment details: Online 00572490083 \$126.00

being payment for Long Service Levy as detailed below

Levy Payment Form number 5001030 Council/Department/Authority MANLY COUNCIL D.A. Number 205/07 Work address 136 CONDAMOINE ST BALGOWLAH NSW 2093 Estimated value of work \$36,000.00 Levy payable (No exemption) \$126.00 Total levy paid

\$126.00

Signed:



Level 9, 309 Kent Street Sydney, New South Wales

Telephone: (02) 9248 1111 Facsimilie: (02) 9248 1238 ABN: 24 000 036 279

Policy Schedule / Certificate of Insurance

Underwritten by Wesfarmers General Insurance Limited (ABN 24 000 036 279), trading as Lumley General.

OWNER COF

HOME WARRANTY - JOB SPECIFIC POLICY (NSW) - Owner Copy

This certificate, when read in conjuction with the Policy of Insurance is a contract of insurance complying with: Section 92 in respect of CONTRACT WORK, or Section 93 in respect of SUPPLY OF A KIT HOME, or Section 95 in respect of OWNER BUILDER Work, or Section 96 in respect of WORK BY DEVELOPER: AND OTHERS, of the Home Building Act 1989 ('The Act') and/or the Home Building Regulation 1997 ('The Regulations') issued by the Insurer in respect of Residential Building Work performed by the Contractor in line with the Residential Building Work Contract detailed below. Subject to the Act, the Regulation the conditions of the Contract of Insurance, cover will be provided to the person named as Beneficiary below and Successors in Title to the Beneficiary.

POLICY No.:

LGI - 001

CERTIFICATE No.:

174429

POLICY ISSUED:

10/08/2009

INSURED

The Building Owner ('Beneficiary'):

Tom Baker

Postal Address:

136 Condamine Street, Balgowlah NSW 2093

RESIDENTIAL BUILDING WORK

Residential Building Work

Covered by this Policy:

New Front Fence - Including Gates - as per application dated 10/08/2009

At (Site Address):

136 Condamine Street, Balgowlah NSW 2093

Contract Date:

20/07/20C9

Project Manager:

Steven Talbot

Contract Price:

\$36,000....

Est. Start Date:

Municipality:

24/08/2009

Est. Completion Date:

25/09/2009

CONTRACTOR

Carried out by (Trading Name):

Bosco Building Pty Ltd

Postal Address

7 Alexandra Place Mittagong NSW 2575

ABN / ACN No.:

64 123 934 092

Licence/Contractor No.:

217211c

Phone No.:

02 9949 8446

MAXIMUM AMOUNT OF COVER AND CLAIMS

The limit of liability is \$300,000.00 in aggregate in relation to each Dwelling, or such amount as is determined by the Regulations pursuant to the Act. The period in respect of which Claims may be made commences on the date of the relevant Residential Building Work Contract or date of issue of the Constructi:
Certificate for the relevant work (whichever is the earlier); and expires on the date defined by Section 4 of the Contract of Insurance, provided that the Insurance shall have 90 days from expiry of the Period of Insurance in which to notify the Insurer of any matter of which the Insured became aware during the Period .. Insurance as existence of grounds for a Claim.

CLAIMS EXCESS

The insured shall bear at his/her/its own risk five hundred dollars (\$500) in respect of each Claim made under this Policy.

PREMIUM

Paid by Builder

Wesfarmers General Insurance Limited, Level 9, 309 Kent Street Sydney, New South Wales (ABN 24 000 036 279)

for and on behalf of Lumiey General.

BG&E PTY LIMITED

ABN 14 104 853 081

LEVEL 2
8 WINDMILL STREET
SYDNEY NSW 2000
AUSTRALIA
TEL: +61 2 9770 3300
FAX: +61 2 9770 3399
EMAIL: info@bgeeng.com
WEBSITE: www.bgeeng.com

COUNCIL COPY

BG &E

14 May 2009

Ref: S05015 Design Cert Ltr - Fences 14 May 2009.doc

Caverstock Group Pty Ltd Level 1, 185 Liverpool Street SYDNEY NSW 2000

Attention: Mr B Quinlan

Dear Sir,

CONDAMINE STREET FRONT FENCES DESIGN CERTIFICATION

BG&E Pty Limited, being chartered consulting engineers and members of the Association of Consulting Engineers of Australia, hereby certify that this practice has carried out the structural design of the front fences at 134, 136, 140 & 142 Condamine Street, Balgowlah NSW 2093.

A copy of the relevant structural drawings \$05015.01 - \$\$K000 Rev A, \$05015.01 - \$\$K001 Rev C, \$05015.01 - \$\$K002 Rev A, \$05015.01 - \$\$K003 Rev A & \$05015.01 - \$\$K004 Rev A are appended for your reference and record.

We have carried out the structural design and checking in accordance with the structural provisions of the Building Code of Australia, SAA Codes AS 1170.1 - Dead and Live Loads, AS 1170.2 - Wind Loads, AS 3600 - Concrete Structures, and AS 3700 - Masonry Structures, together with other ancillary codes and with accepted engineering principles and practice.

Our involvement, and this certification, shall not be misconstrued as relieving the Builder and any other parties of their contractual responsibilities.

Yours faithfully, for BG&E PTY LIMITED

JOE CATANZARITI Director

enc.

1.0 GENERAL

- 1.01 TECHNICAL SPECIFICATIONS OR SPECIFIC INSTRUCTIONS ON DRAWINGS TAKE PRECEDENCE OVER THESE NOTES.
- 1.02 THESE DRAWINGS SHALL BE READ IN COMJUNCTION WITH ALL ARCHITECTURAL.
 AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT.
 ANY DISCREPANCY SHALL, BE REPERFED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK, CONSTRUCTION FROM THESE DRAWINGS, AND THEIR ASSOCIATED CONSULTANTS' DRAWINGS, IS NOT TO COMMENCE UNTIL APPROVED BY THE LOCAL
- 1.03 ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT STANDARDS AUSTRALIA CODIES AND WITH BY BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION.
- 1.04 ALL DIMENSIONS SHOWN SHALL BE VERIFIED BY THE BUILDER ON SITE. ENGINEER'S DRAWINGS SHALL NOT BE SOALED FOR DIMENSIONS.
- 1.05 DURING CONSTRUCTION THE STRUCTURE, AND ANY ASSOCIATED EXCAVATIONS. SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING SHALL BE PROVIDED BY THE BUILDER TO KEEP THE WORKS AND EXCAVATIONS STAFLE AT ALL TIMES.
- 1.06 UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE IN MILLIMETRES (mm) AND ALL LEVELS ARE IN METRES (m) TO AUSTRALIAN HEIGHT DATUM (AHD).
- 1.07 ALL ABBREVIATIONS ARE IN ACCORDANCE WITH AS 1100, ADDITIONAL ABBREVIATIONS USED ARE AS FOLLOWS:

NOT SHOWN ON FLAN

N80E NOT SHOWN ON ELEVATION UNO UNLESS NOTED OTHERWISE

11/9 UNDERSIDE GROUND LINE

REDUCED LEVEL FINISHED FLOOR LEVEL

2.0 DESIGN DATA

2.01 THE STRUCTURAL COMPONENTS DETAILED ON THESE DRAWINGS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RELEXANT STANDARDS AUSTRALIA CODES AND LOCAL GOVERNMENT CROINANCES FOR THE FOLLOWING LOADINGS. REFER TO ARCHITECTURAL DRAWINGS FOR PROPOSED FLOOR LISAGE.

3.0 FOUNDATIONS

3.01 FOUNDATIONS HAVE BEEN DESIGNED FOR THE FOLLOWING ALLOWABLE

ELEMENT	BEARING PRESSURE (kPa)	SHAFT ADHESION (KPa)
FOOTINGS	100 kPa	•

- 8.02 THE BUILDER SHALL OBTAIN APPROVAL OF THE FOUNDATION MATERIAL BEFORE PLACING CONCRETE BY A QUALIFIED GEOTECHNICAL ENGINEER.
- 8,03 FOOTINGS SHALL BE LOCATED CENTRALLY UNDER WALLS AND COLUMNS UNLESS NOTED OTHERWISE
- 8.04 DO NOT BACKFILL RETAINING WALLS (OTHER THAN CANTILEVER WALLS) UNTIL FLOOR CONSTRUCTION AT TOP AND BOTTOM IS COMPLETED, ENSURE FREE DRAINING BACKFILL AND DRAINAGE IS IN FLACE.
- 3.05 FOOTINGS TO BE CONSTRUCTED AND BACKFILLED AS SOON AS POSSIBLE FOLLOWING EXCAVATION TO AVOID SOFTENING OR DRYING OUT BY EXPOSURE.

4.0 CONCRETE

- 4.01 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT
- 4.02 PRE-MIXED CONCRETE SUPPLY SHALL COMPLY WITH AS 1379.
- 4.03 NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING:
- 4.04 CONCRETE MIX DESIGNS TO HE SUBMITTED FOR REVIEW PRIOR TO USE OF CONCRETE.
- 4.05 ENSURE CLEAR COVER TO REINFORCEMENT IS AS FOLLOWS UNLESS DETAILED OTHERWISE.

	COVER (mm)		
ELEMENT	FORMED - EXPOSED TO WEATHER (B2)	FORMED - NOT EXPOSED TO WEATHER (A1) :	NOT FORMED - CAST AGAINST GROUND
FOOTINGS	•	-	76

- NOTES: (I) SOME ELEMENTS HAVE ADDITIONAL COVER REQUIREMENTS FOR FIRE RESISTANCE AND DURABILITY AND THIS IS NOTED ON THE DRAWINGS.
 - (II) COVER SHOWN IS THE MINIMUM COVER TO ALL GROOVES AND CHAMFERS.
 - (III) DENOTES SPECIAL DURABILITY CONCRETE WHERE AN ELEMENT HAS AT LEAST ONE FACE EXPOSED TO THE WEATHER. REFER DRAWING FOR LOCATIONS. AN ADDITIONAL IGHTO COVER TO THAT NOTED ABOVE IS REQUIRED. NO METALLIC ITEMS, INCLUDING SLEEVES, FORMWORK SPACES, ETC. ARE TO BE LOCATED WITHIN THE
- 4.08 CONCRETE SIZES SHOWN DO NOT INCLUDE THICKNESSES OF APPLIED FINISHES.
- 4.07 FOR CHAMFERS, DRIP GROOVES, REGLETS, ETC., REFER TO ARCHITECTURAL DETAILS. MAINTAIN COVER TO REINFORCEMENT AT THESE DETAILS.
- 4.08 NO HOLES, CHASES OR EMBEDMENT OF PIPES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER,
- 4.09 CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF THE ENGINEER.
- 4.10 THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS. COMPLETELY FILLING THE FORMWORK THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS, ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED WITH MECHANICAL VIBRATORS.
- 4.11 CURING OF ALL CONCRETE IS TO BE ACHIEVED BY KEEPING SURFACES CONTINUOUSLY WET FOR A PERIOD OF S DAYS, AND PREVENTION OF LOSS OF MOISTURE FOR A TOTAL OF 7 DAYS FOLLOWED BY A GRADUAL DRYING OUT. APPROVED SPRAYED ON CURING COMPOUNDS THAT COMPLY WITH AS 8799 MAY BE USED WHERE FLOOR FINISHES WILL NOT BE AFFECTED (REFER MANUFACTURER'S SPECIFICATION). POLYTHENE SHEETING OR WET HESSIAN MAY BE USED TO RETAIN CONCRETE MOISTURE WHERE PROTECTED FROM WIND AND TRAFFIC
- 4.12 CONSTRUCTION SUPPORT PROPPING IS TO BE LEFT IN PLACE WHERE NEEDED TO AVOID OVERSTRESSING THE STRUCTURE DUE TO CONSTRUCTION LOADING. NO MASONRY OR PARTITION WALLS ARE TO BE CONSTRUCTED ON SUSPENDED LEVELS UNTIL ALL PROPPING IS REMOVED AND THE SLAB HAS ABSORBED ITS DEAD LOAD
- 4.13 THE ENGINEER SHALL BE GIVEN 24 HOURS NOTICE FOR REINFORCEMENT INSPECTION AND CONCRETE SHALL NOT BE DELIVERED UNTIL FINAL APPROVAL
- 4.14 MAXIMUM SHRINKAGE AT 56 DAYS TO BE 650mm/mm x 10.

5.0 EXCAVATION & FILLING

- 6.01 TOP SOIL CONTAINING GRASS, ROOTS OR OTHER ORGANIC MATERIAL SHALL BE REMOVED FROM THE AREA ON WHICH THE SLAB IS TO BE CONSTRUCTED.
- 5.02 IF THE SITE CONDITIONS ENCOUNTERED VARY FROM THE CONDITIONS INDICATED ON THE DRAWINGS OR REPORTED IN THE GEOTECHNICAL REPORT, THE STRUCTURAL ENGINEER AND/OR THE GEOTECHNICAL ENGINEER SHOULD BE NOT FIED
- 5.03 FILL USED IN THE CONSTRUCTION OF A SLAB EXCEPT WHERE THE SLAB IS SUSPENDED SHALL CONSIST OF CONTROLLED FILL OR ROLLED FILL IN ACCORDANCE WITH AS 2870 CLAUSE 8.4.2.
- 5.04 CONTROLLED FILL
- SAND FILL UP TO 800MM DEEP COMPACTED IN LAYERS NOT MORE THAN SOMM
- THICK USING A VIBRATING PLATE OR VIBRATING ROLLER.

 5.05 NON-SAND FILL UP TO 400MM THICK COMPACTED IN LAYERS NOT MORE THAN 150MM THICK USING A MECHANICAL ROLLER, CLAY FILL SHALL BE MOIST DURING
- 5.08 ROLLED FILL CONSISTS OF MATERIAL COMPACTED IN LAYERS BY REPEATED ROLLING WITH AN EXCAVATOR, SAND FILL UP TO 600MM DEEP COMPACTED IN LAYERS NOT MORE THAN 300MM THICK, NON-SAND FILL UP TO 300MM DEEP COMPACTED IN LAYERS NOT MORE THAN 150MM THICK
- 5.07 BACK F.LL MATERIAL SHALL BE COMPACTED TO A DENSITY EQUIVALENT TO AT LEAST 95% OF ITS MAKIMUM DRY DENSITY.

6.0 STRUCTURAL MASONRY

- 6.01 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS \$700 CURRENT ADDITION WITH AMENDMENTS AND OTHER RELEVANT CODES.
 6.02 GROUT FOR CORE FILLING SHALL HAVE STRENGTH Pc = 20MP2 WITH A SLUMP
- OF 230mm AND A MAXIMUM AGGREGATE OF 10mm U.N.O. TESTING SHALL COMPLY WITH AS 3600 FOR PROJECT ASSESSMENT.
- 8.03 MORTAR ADMIXTURES SHALL NOT BE USED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEED
- 6.04 ALL MASCINEY WALLS AND PIERS SUPPORTING SLABS AND BEAMS BHALL HAVE A PRE-GREASED GALVANISED STEEL SLIP JOINT BETWEEN CONCRETE SOFFIT AND THE TOP OF THE MASONRY ELEMENT U.N.O.
- 6.05 ALL MASONRY SUPPORTING OR SUPPORTED BY CONCRETE FLOORS SHALL. BE PROVIDED WITH VERTICAL JOINTS TO MATCH ANY CONTROL JOINTS IN THE CONCRETE
- 6.66 NON LOAD BEARING WALLS SHALL BE SEPARATED FROM CONCRETE ABOVE BY 25mm GAP. PROVIDE JOINT FILLER TO THE ARCHITECTS' DETAILS.
- 6.07 NO CHASES OR RECESSES ARE PERMITTED IN LOAD BEARING MASONRY WITHOUT THE APPROVAL OF THE ENGINEER.
- 6.08 REINFORCED BRICKWORK SHALL COMPLY WITH THE FOLLOWING U.N.O.: (1) FILL ALL SED JOINTS AND PERPENDS WITH MORTAR EXCEPT ATWEEP HOLES.
 - (II) PROVIDE CLEAN-OUTS AT BASE OF REINFORCED CORES AND CAVITIES. REMOVE MORTAR PROTRUSIONS BEFORE CORE OR CAVITY FILLING.
- CAVITY FILLING.

 (II) COMPACT GROUT FILLING BY RODDING OR MECHANICAL VIBRATION.

 (IV) MAXIMUM HEIGHT OF POUR FOR CAVITY FILLED WALLS TO BE 1200mm.

 6.09 WATERPROOF REAR FACE OF RETAINING WALLS AS SPECIFIED BY THE ARCHITECT.
- 6.10 PROVIDE VERTICAL CONTROL JOINTS AT 12.000 MAXIMUM CENTRES, AND
- 6.0m MAXIMUM FROM CORNERS IN ALL MASONRY WALLS, 6.11 WHERE A CONTROL JOINT OCCURS IN AN ELEMENT OF CONSTRUCTION REQUIRED TO HAVE A FIRE RESISTANCE RATING, CONSTRUCT THE CONTROL JOINT USING SUTABLE FIRE STOPPING MATERIALS SUCH AS INTUMESCENT SEALANTS SO THAT FIRE RESISTANCE RATING OF THE
- ELEMENT IS NOT REDUCED 5.12 MAINTAIN WALLS IN STABLE CONDITION DURING CONSTRUCTION, PROP AS NECESSARY, PROTECT NEWLY LAID MASONRY FROM THE WEATHER.
- 6.19 BACKFILL TO RETAINING WALLS TO BE FREE DRAINING GRANULAR MATERIAL U.N.O. PROVIDE SUBSOIL DRAIN OR WEEP HOLES.
- 8.14 DO NOT CONSTRUCT MASONRY WALLS ON BUSPENDED CONCRETE SLABS UNTIL SLAB HAS BEEN STRIPPED AND DEPROPPED.
- 8.16 ALL CAVITY CONSTRUCTION TO HAVE GALVANISED/STAINLESS STEEL WALL TIES INSTALLED AS PER CLAUSE 3.4 AND 4.10, AS 3700.
- 6.16 WHERE MASONRY ANCHORS ARE TO BELOCATED IN HOLLOW BLOCKWORK, CORES SHALL BE GROUT FILLED.

PRELIMINARY ONLY



Allen Jack+Cottier 78 Mgallo Micost Chilippensiale Halle 2006 ALISTRALIA 18 407 2 0015 Mgallo 445 2 2001 1220 ANNUM 200 700 200

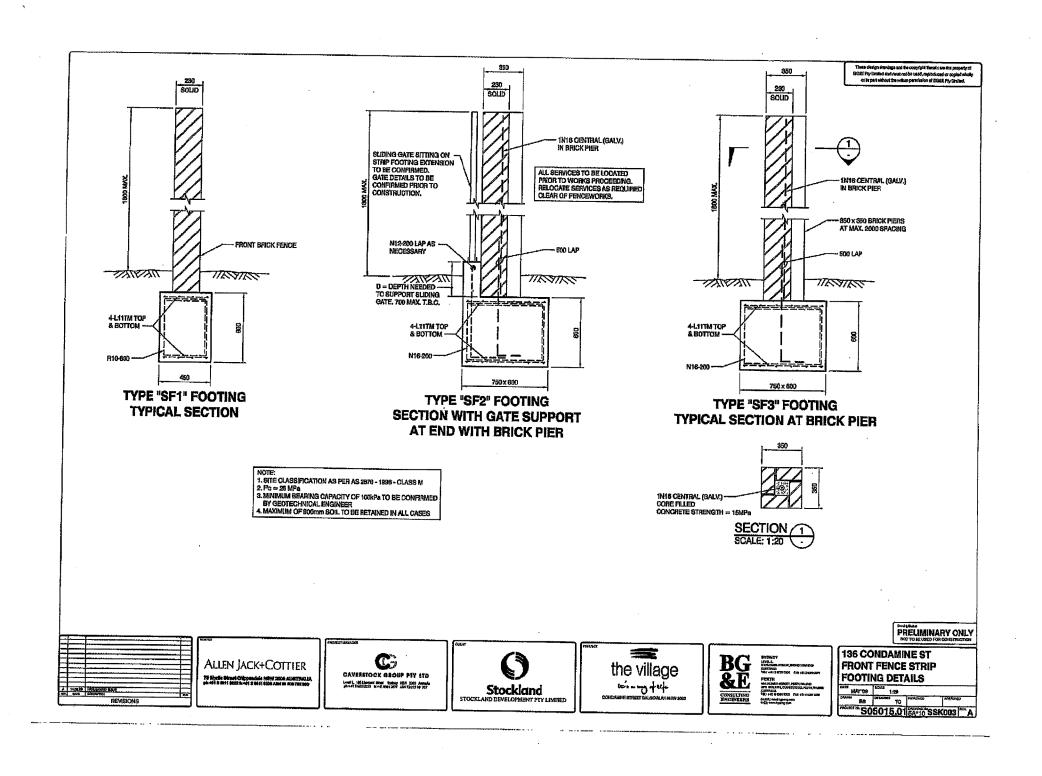
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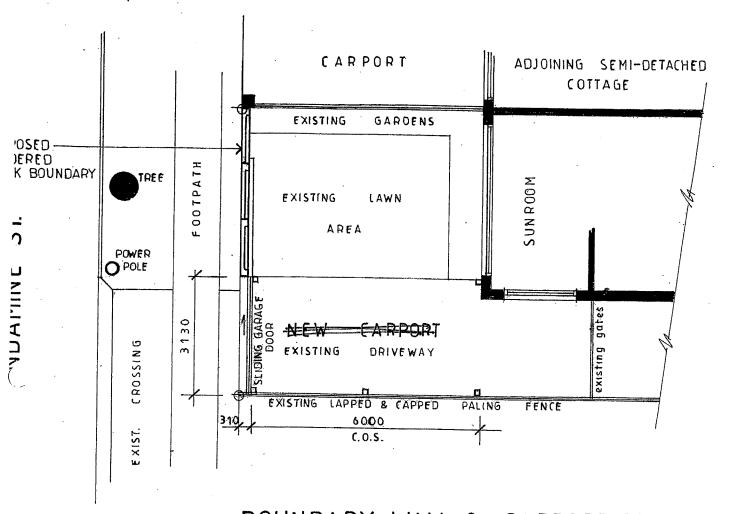




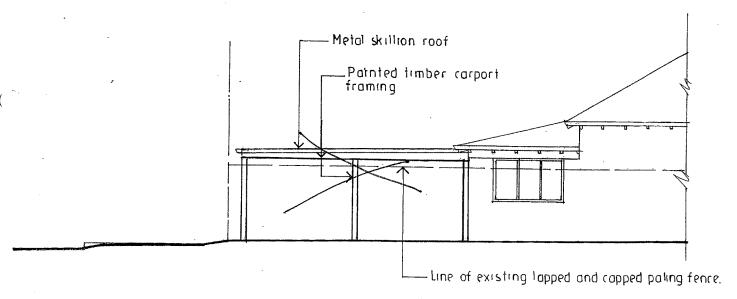


STRUCTURAL NOTES MAY 109 CENTRAL PROPERTY. ЯŜ TC S05015.015A-10 SSK000

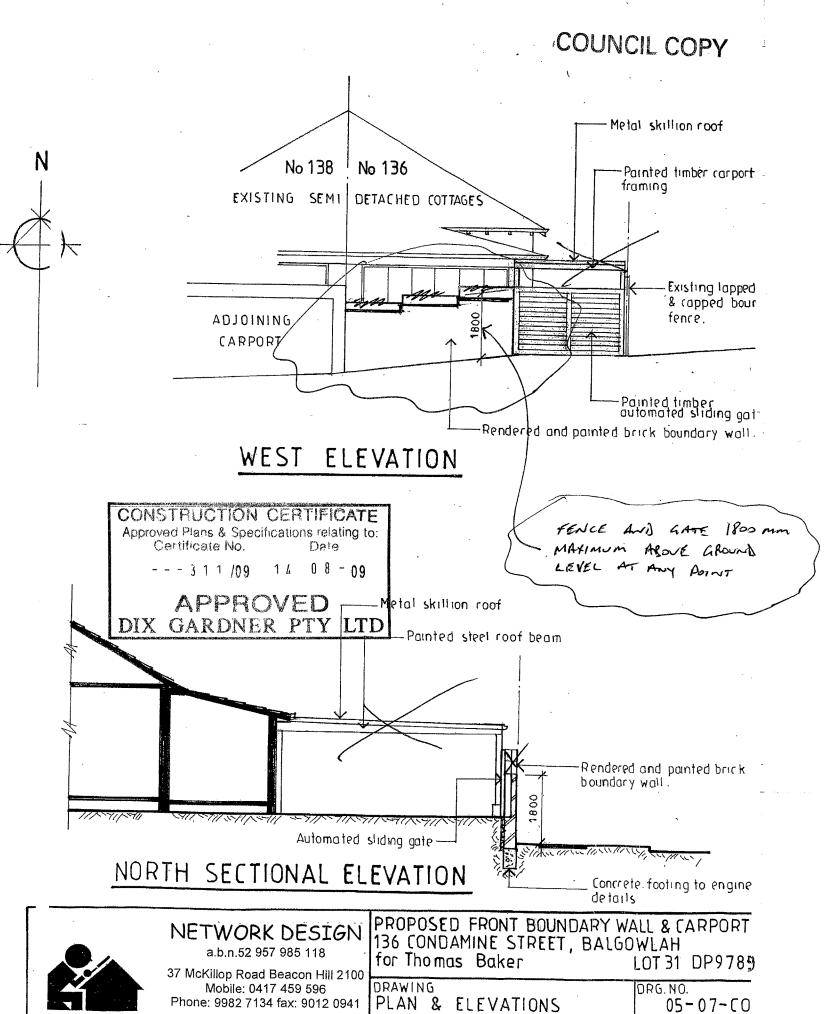




BOUNDARY WALL & CARPORT PLAN



SOUTH ELEVATION



DRAWN

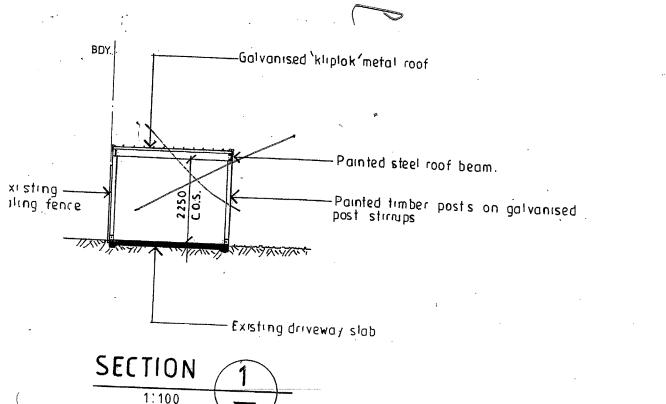
MAY 2007 J.WRIGHT

SCALE

SHEET NO.

DATE

alwayswright@optusnet.com.au



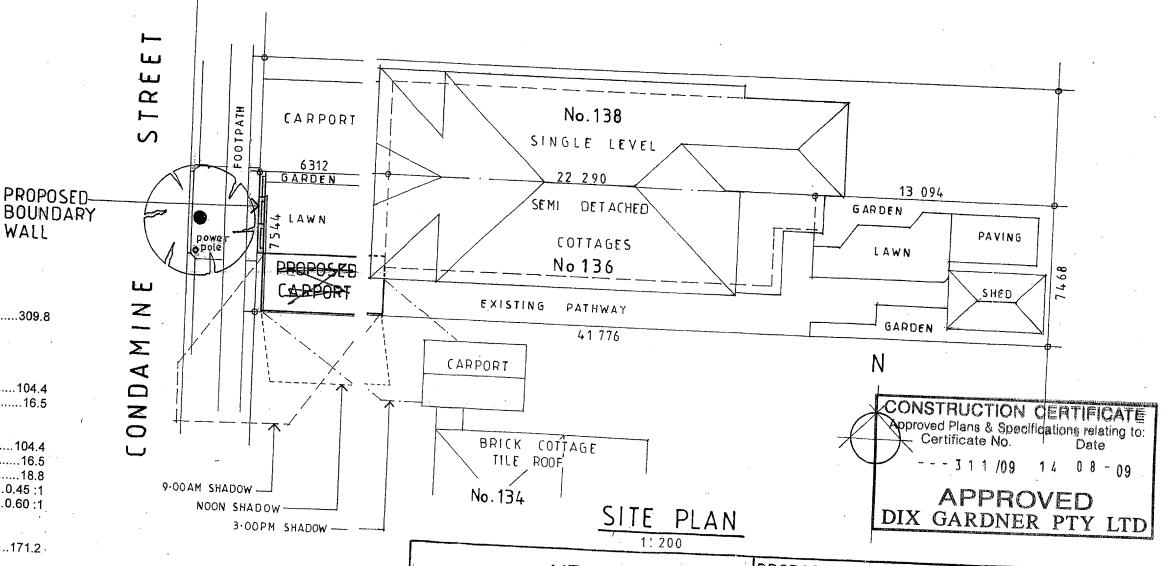
WALL

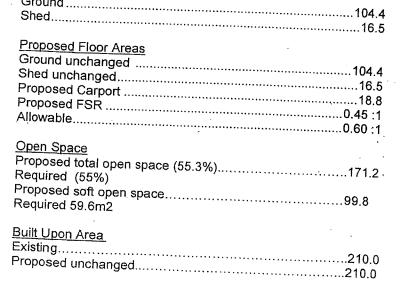
BDY. Rendered and painted brickwork EXIST. LAWN ootpath Concrete footings to engineers details.

SE CTION 1:100

Notes

- All dimensions to be checked on site by builder prior to the commencement o works. Figured dimensions to be used. Do not scale drawing. All dimension in millimetres unless shown otherwise.
- All concrete works to be in accordance with AS3600 and Engineers plans and
- All timber framing to AS1684 & 1720. Any proprietary timber elements used to manufacturers relevant span tables for their intended use.
- All steelwork to AS4100
- All brickwork to be in accordance with AS3700.
- All new gutters and downpipes to be connected to the existing stormwater to
- All works generally to be in accordance with local council bylaws and the
- All work to be left in a safe and stable condition at the end of each day.





.....309.8

Site Calculations m2

∍tal Site Area...

Existing Floor Areas

Subzone 3



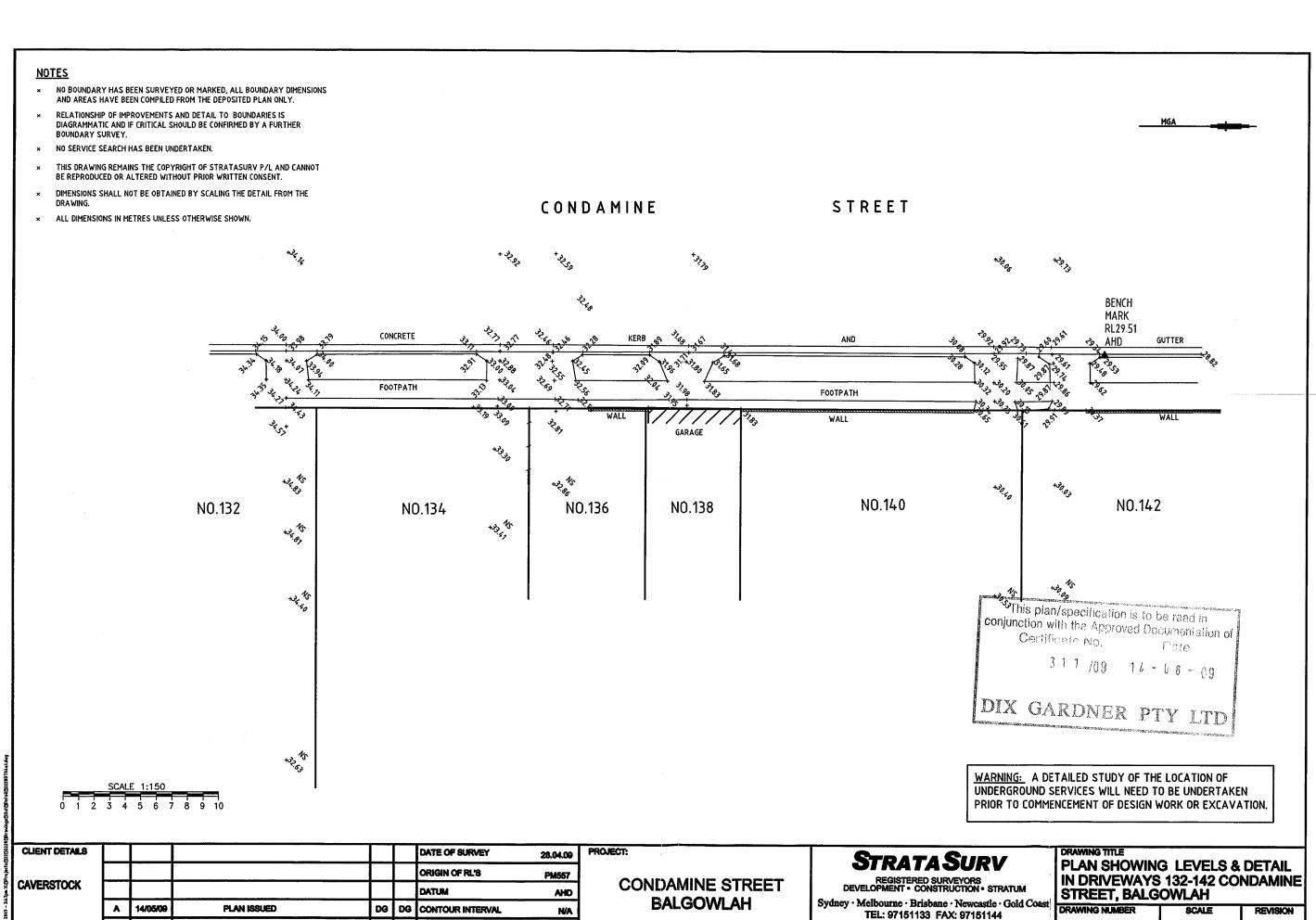
NETWORK DESIGN

a.b.n.52 957 985 118

37 McKillop Road Beacon Hill 2100 Mobile: 0417 459 596 Phone: 9982 7134 Fax. 9012 0941 alwayswight@optusnet.com.au

PROPOSED FRONT BOUNDARY WALL & CARPORT 136 CONDAMINE STREET, BALGOWLAH for Thomas Baker LOT 31 DP9789

DRAWING DRG. NO. SITE PLAN & SECTIONS 05-07-00 DATE DRAWN SCALE SHEET NO. 2 MAY 2007 I WOIGHT



Sheet 01 of 01 Sheets

EMAIL: surveyors@stratasurv.com.au

2220DT-04

1:150@A2

DATE

REVISION DETAILS

SURV DWN CAD REF FILE:

2220DT04a1.dwg