green field Accredited Certifiers

RECEIVED

1 4 JUN 2011

8 June, 2011

The General Manager
Pittwater Council
PO BOX 882
MONA VALE NSW 2103

Dear Sir/Madam,

Re: Construction Certificate No. 2011/14368 Property: 34 Whale Beach Road, Avalon

The attached copy of the Construction Certificate, Notice of Commencement/PCA Form & \$30.00 Council submission cheque is forwarded for your record in accordance with Regulation 142(2) of the Environmental Planning & Assessment Regulation 2000.

Yours faithfully

Stephen/Murray

Accredited Certifier

\$30 Rec:303 298 10/6/11.

Telephone 1300 663 215 Telephone 1300 003 215
Facsimile (02) 9836 3000 PO Box 6160 Baulkham Hills BC NSW 2153



R Mov & Associates Ptv Ltd T/as Greenfield Accredited Certifiers ACN 100 924 605 ABN 23 100 924 605

Construction Certificate

Issued in accordance with section 109C(1)(b) of the Environmental Planning & Assessment Act 1979.

CONSTRUCTION CERTIFICATE NUMBER CC2011-14368

Subject Site Address

Lot No

DP

Council Area

Applicant Name Applicant Address

Owner Name

Owner Address

Description of Building Work

BCA Class of Building Work

Development Consent No.

Development Consent Date

Estimated Cost of Development

34 Whale Beach Road, AVALON 2107

90 17189

PITTWATER COUNCIL

Hackett, Brendan

PO Box 81, NEWPORT BEACH 2106

Hackett, Brendan

14/40-44 Foamcrest Avenue, NEWPORT

Single Storey Secondary Dwelling

NO069/11 3/05/2011

\$72,000.00

List of Documents Accompanying the Application:

\$30.00 Council Submission Cheque Construction Certificate Application Form

PCA Form

Owner Builders Permit

Long Service Levy Receipt

Long Service Levy Calculation Sheet

Builders Quote

Pre-Certification Inspection Report

Stormwater Plans

Driveway Details

ABSA Certificate

Basix Certificate

Section 139 Consent

Sydney Water Quick Check Report

Driveway Access Profiles

Colour Schedule

Stormwater Plans by TJ Taylor Consultants Pty Ltd dated 23 Feb, 2011

Structural Engineers Details by Raffletos Zanuttini dated 30/5/11

List of Plan References and Specifications approved under this Certificate:

Job No. 331

Dwg No. DA01A, DA02A, DA03A, DA04A, DA05A, DA06A, DA07A, DA08A dated 2/6/11

(Continued on Page 2)

CONSTRUCTION CERTIFICATE NUMBER CC2011-14368

The Certifying Authority (undersigned) is hereby satisfied that where the described works are completed in accordance with documentation accompanying the application for this certificate (with such modifications as shown on the documentation, if applicable) shall comply with the requirements of the Environmental Planning and Assessment Regulation 2000 as referred to in section 81A (5) of the Act.

Signed

Certifying Authority Accreditation Number

Accreditation Body

Stephen Murray BPB0282

Building Professionals Board

Date of this Certificate

8/06/2011

INSPECTIONS INFORMATION

Site Address CC No. [Lot90] 34 Whale Beach Road, AVALON 2107 CC2011-14368

The following mandatory critical stage inspections apply:

- Pre certification (where existing buildings are to remain)
- *Piers/footings prior to pouring
- *Slab prior to pouring
- Stormwater
- Framework
- Wet Area
- Final

*Please note that you will need to arrange for a suitably qualified STRUCTURAL ENGINEER to provide the PCA with an Engineers Structural Certificate of Adequacy for piers and slabs during construction.

TO BOOK AN INSPECTION:

Fax: 9836 3000 incl Site address and inspection type

 \mathbf{or}

Phone: 1300 663 215 => Option 1 => Option 1

PLEASE BOOK INSPECTIONS BEFORE 3.00PM THE DAY PRIOR TO THE INSPECTION

Contact Personnel

To check the status of your job contact Linda Wotherspoon Extension numbers are available at www.greenfieldcertifiers.com.au

For technical enquiries contact

Stephen Murray



greenfield

Accredited C

1 8. MAT 2011 Certifiers GREENFIELD

COUNCIL COPY

PCA FORM

NOTICE OF INTENTION TO COMMENCE BUILDING WORK
NOTICE OF INTENTION TO APPOINT PRINCIPAL CERTIFYING AUTHORITY (PCA)

CHECKLIST

- Complete all fields in the "PARTICULARS" section we cannot accept incomplete forms and they will be sent back to you for your completion.
- The Appointor/s to initial bottom right of all 5 pages.

SECTION 1: PARTICULARS OF THE APPOINTOR/S

Appointor Name	APPOINTOR NO. 1	APPOINTOR NO. 2
	Hackett, Brendan	
(Cannot be the Building Contractor		
unless they also own the property)		
Appointor Address	PO Box 81, NEWPORT BEACH 2106	
(nominate 1 address)		
Appointor Contact Details	Tel 0408 080 790	
(nominate 1 contact)	Fax 02 9979.7456	
	Email_bhackett@bigpond.com	
Site Address of the Proposed Building	Lot/Shop No 90	
Works	34 Whale Beach Road, AVAL	ON 2107
Description of the Proposed Building	Construction of a secondary dwelling.	
Works		
	. 72 000 00	
Estimated Value of Building Works	s 72 000.00	
Proposed Date to Commence	If left blank the presumption will be	e 2 days after PCA appointment date.
Building Work	23 5 2011	
Development Consent or CDC Date	2/5/2011	
	3 5 2011	
Development Consent or CDC		
Registration Number	N00691	
Builder/Principal Contractor		
*	NO069/ Owner Builder	
License/Permit Number		
	385405P	

Page 1 of 5 - Greenfield Accredited Certifiers "PCA Form"

Postal Address: PO Box 6160 Baulkham Hills BC NSW 2153 (Ph 1300 663 215)

SECTION 2: PCA SERVICE AGREEMENT

Engægement

The engagement or the appointment of the PCA will not commence unatil the proposed PCA has accepted and notified their acceptance of the appointment to the Appointor and the Consent Authority (usually Council). The proposed PCA or Greenfield Accredited Certifiers will not accept any responsibility for any damages, losses or delays suffered by the Appointor/s or any other party as a result of omissions or errors contained within this form or failure of the Appointor/s to comply with all items contained in the Checklist on this form.

Scope

The scope of works covered under this appointment is restricted to those building works as described in the "PARTICULARS" section of the form.

Terms and Conditions

- 1. All information provided by the Appointor/s on this form shall be taken to be accurate and correct. The PCA shall not accept any responsibility for any intentional or unintentional error or omission made by the Appointor/s on this form.
- 2. Where building works have commenced prior to the acceptance of appointment of PCA without the knowledge of the intended PCA the appointment shall be invalid and acceptance of the appointment will be withdrawn.
- 3. The Appointor/s shall be obliged to keep the PCA informed of any changes to the details of Principal Contractor (builder) and any relevant insurances required by the builder. Failure to meet this obligation shall result in the Appointor/s to indemnify the PCA against any losses or suffering as a result of non compliance with any legislative requirements.
- 4. The Appointor/s are responsible for ensuring that a copy of Home Warranty Insurance or Owner Builder Permit is submitted to the PCA prior to the commencement of building works, where required by Home Building Act 1989. The acceptance of the appointment will not occur until this requirement has been met.
- 5. It is recommended the Appointor/s ensure that the principal contractor (builder) shall make arrangements to book in critical stage inspections with our office via fax, post or email as required by giving prior day notice (before 3.00pm).
- 6. The PCA shall not accept responsibility for any damages or costs associated for the inability to issue and Occupation Certificate due to, but not limited to, the following: non compliance with a development consent condition, unsatisfactory final inspection, non compliance with Basix commitments, missed critical stage inspections, non compliance with approved building plans or failure to pay the required inspection or Occupation Certificate fees.

Fees

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Failure to pay the prescribed Appointment of PCA fee may result in the refusal to accept the appointment of PCA. Should an appointment be accepted and payment not honoured, the Appointor will be ultimately liable for unpaid fees, regardless of whether the fee was paid directly to the Builder, and any associated debt recovery costs plus interest incurred from the time of the appointment.

It is noted that the PCA and/or Greenfield may suspend its services provided to the appointor/s or the builder, where fees have not been paid, within the provisions of the Building and Construction Industry Security of Payment Act 1999.

Page 2 of 5 - Greenfield Accredited Certifiers "PCA Form"

Postal Address: PO Box 6160 Baulkham Hills BC NSW 2153 (Ph 1300 663 215)

SECTION 3: DECLARATIONS BY THE APPOINTOR/S

I/We the aforementioned persons as described as the Appointor/s in the PARTICULARS section hereby declare the following that:

- I/We "have the benefit of the Development Consent or Complying Development Certificate" within the meaning under EP&A Act 1979 for the proposed works as indicated on this form.
- I/We, to the best of my/our knowledge, have completed all details in the PARTICULARS section in a true and accurate manner and hereby indemnify the appointed PCA and Greenfield against any damages, losses or suffering as a result of incorrect information provided under that section.
- I/We have read, understood and hereby accept the terms and conditions outlined within the PCA Service Agreement on this form.
- I/We understand that the Appointment of the PCA is not taken to be have been accepted until a copy of the acceptance has been signed by the proposed PCA and released to the Appointor/s and the Consent Authority, effective from the date of the acceptance.
- I/We understand that the Commencement of Building Work cannot be any earlier than 2 business days after the appointment of PCA has been accepted and therefore declare that no building works shall commence until after such date.
- I/We authorise the right of entry for any certifying authority arranged by Greenfield Accredited Certifiers to carry out inspections required by the PCA under this agreement.
- I/We authorise the transfer of PCA to another employee of Greenfield if the original PCA ceases employment with Greenfield Accredited Certifiers for any reason or becomes unable to fulfil their duties as the PCA or ceases to become an Accredited Certifier at no cost to Greenfield Accredited Certifiers. I/We accept costs associated with the transfer of the PCA, for any reason whatsoever.
- I/We understand the appointment of PCA shall not be accepted until documentation of required insurances or owner builder permit is submitted to Greenfield, in accordance with the Home Building Act 1989.
- I/We declare that I/we shall notify the PCA, at the earliest possible instance, of any changes to the appointment of the builder and ensure any mandatory insurances required by the incoming builder in accordance with the Home Building Act 1989 are in place.

APPOINTOR SIGNATURES

Signature of Appointor 1	x B. Hacett	
Full Name of Appointor 1	Hackett, Brendan	
Dated	15 5 1	
1		
Signature of Appointor 2	Х	
Full Name of Appointor 2		
Dated		

SECTION 4: PCA ACCEPTANCE (office use only)

PCA Selection:

Select	Name of PCA	Accreditation Number
	Richard Moy	BPB0281
	George Watts	BPB0434
	Peter Dewick	BPB0090
	Luke Jeffree	BPB0196
	Stephen Murray	BPB0282
	Wesley Vos	BPB0744

PCA office details:

Address	PO Box 6160, Baulkham Hills BC NSW 2153	<u> </u>
Phone	1300 663 215	
Fax	02 9659 1633	
Accreditation Body	Building Professionals Board	
	10 Valentine St, Parramatta NSW 2150	

PCA STATEMENT

I, the person selected above, hereby accept the appointment of Principal Certifying Authority (PCA) within the Terms and Conditions as indicated in "Section 2: PCA Service Agreement" effective no earlier than the "Acceptance Date" shown below.

I, the appointed Principal Certifying Authority, am of the opinion that all conditions of the consent that are required to be satisfied prior to the work commencing have been satisfied.

PCA SIGNATURE

Signature of PCA	x	SM.	
Appointment Acceptance Date		אטע פון פון פון פון פון פון פון	

SECTION 5: NOTICE OF CRITICAL STAGE INSPECTIONS (to be completed by the PCA only based on BCA Building Class)

	/
d	Pre Certification
	Footings
	Piers
	Slab/s
	Stormwater
	Frame
	Wet Areas
	Completion
	Other
	Other
	Other
	

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APPENDIX 1: INFORMATION FOR THE APPOINTOR

The following information is a guide only and is aimed at clarifying the role of the PCA and the requirements under the Legislation surrounding the appointment of a PCA.

- Only the "person having benefit of a development consent involving building work" can appoint the PCA.
 This is generally the Land Owner. The Builder is prohibited from appointing the PCA unless the builder is
 also the owner of the land.
- 2. A PCA must be appointed, accepted and notified to Council no later than 2 days prior to the commencement of building works. Failure to do so may jeopardise the legitamacy of the building certification.

3. An Occupation Certificate can only be issued by the appointed PCA.

- 4. In formation about Home Warranty Insurance and Building Licensing requirements are available on the Dept of Fair Trading website below.

 http://www.dft.nsw.gov.au/building.html
- 5. All "critical stage inspections" as notified in this document are required to be carried out to enable the issue of an Occupation Certificate.
- 6. The appointment of PCA shall not be effective until the Appointor/s and Consent Authority has received the Acceptance of the Appointment of PCA by our office.
- 7. Greenfield recommends that the appointor/s should review the Development Consent conditions and ascertain whether the Building Contract covers all additional requirements under the development consent. It is common that some Council conditions are not covered under the Building Contract and may be the responsibility of the owner/s to fulfill such conditions prior to obtaining an Occupation Certificate. We recommend you familiarise yourself with such post-contract requirements and responsibilities.
- 8. Please note that additional inspection fees and charges may apply for additional inspections outside works covered under your Building Contract and for additional Occupation Certificates is sued directly to the appointer. Refer to Appendix 2 for additional fees and charges.

APPENDIX 2 : ADDITIONAL FEES AND CHARGES

The following fees and charges may be payable by the Appointor/s where the PCA is requested or required to carry out additional work, inspections or Occupation Certificates to be issued directly to the appointor as a result of owner/s having to comply with Council Development Consent conditions AFTER the Building Contract has been fulfilled. For example: driveways, landscaping, privacy screening, air conditioning and landings are often items which are not covered under the Building Contract but may be required in order to obtain a Final Occupation Certificate. The following rates are indicative only and rates can be increased at any time without notice.

Item	Ex GST	GST	Total
Additional Inspections after			
building contract has been fulfilled	\$150.00	\$15.00	\$165.00
(per inspection)			
Additional Occupation Certificate			
+ Council Registration	\$240.00	\$24.00	\$264.00
Archive retrieval fee (applies			-
where additional work is requested		İ	
more than 12 months after final	\$100.00	\$10.00	\$110.00
inspection or last activity or issue	•		
of an Occupation Certificate			

Note: The PCA shall be entitled to suspend his/her services under the Building and Construction Industry Security of Payment Act 1999 where payment of fees is not received.

Page 5 of 5 - Greenfield Accredited Certifiers "PCA Form"

Postal Address: PO Box 6160 Baulkham Hills BC NSW 2153 (Ph 1300 663 215)



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FIELD 18 MAY 2011
Accredited Confidence Conf

CONSTRUCTION CERTIFICATE APPLICATION FORM

INSTRUCTIONS
☐ COMPLETE THIS FORM Complete all YELLOW fields on this form (typing preferred). Some fields have been pre-filled - please check and modify if necessary. ☐ PRINT THIS FORM Once completed - print this form. By Law we can only accept
originals or scanned emailed forms. Faxed forms are prohibited. OWNERS TO SIGN All Owners of the Site must sign this form on page 4 (or provide an appropriate separate Consent form for the Applicants nominated to make the Application for CC).
 □ PCA FORM Follow the same procedure for the PCA Form also provided and pre-filled. □ QUOTE CHECKLIST Attend to all other Checklist items listed on Page 2 of the Quotation. □ SEND Send entire bundle to our office for assessment. We recommend the entire
application be sent at the same time to reduce possibility of loss of documentation.

SECTION 1: PARTICULARS

Applicant Name	APPLICANT NO. 1	APPLICANT NO. 2
(Cannot be the Building Contractor unless	Hackett, Brendan	
they also own property)		
Applicant Address	PO Box 81, NEWPORT BEACH	1 2106
(This is the address all correspondence will		
be delivered) "Care of" addresses accepted.		
Applicant Contact Details	Tel 0408 080 790	
(nominate 1 contact)	Fax 02 9979.7456	
	Email bhackett@bigpond.com	
Owner/s Name	OWNER NO. 1	OWNER NO. 2
(Write "As Above" if same as Applicant/s)	As Above	
Owner/s Current Address	OWNER NO.1 ADDRESS	OWNER NO. 2 ADDRESS
	14/40-44 Foamarest Ave	Newport NSW 2106.
Owner/s Contact Details	Tel/Fax/Email:	- 500 2106.
(nominate 1 contact)	0408080790	

Page 1 of 3 - Greenfield Accredited Certifiers "CC Application Form"
Postal Address: PO Box 6160 Baulkham Hills BC NSW 2153 (Ph 1300 663 215)

SITE Address of the Proposed Building Works	Lot/Shop No 90	
	34 Whale Beach Road, A VALON 2107	
Local Government Area (Council)	PITTWATER COUNCIL	
Development Consent Date	3/5/26/1	
Development Consent No.	3 5 26 \ N0069/11	
Class of Building (under BCA) Or leave blank if uncertain		
Detailed description of proposed building works	Construction of a secondary dwelling.	
Estimated Cost of Building Work	\$ 72 000.00	
Number of proposed storeys		
Gross floor area of proposed building	60 sqm	sqm
Gross site area of property	(=1)	sqm

For proposed new residential building work only:

No. of existing dwellings on the property	
No. of existing dwellings to be demolished	0
No. of dwellings to be included in the new building	1
Will new building be attached to any existing building?	no
Will new building be attached to any other new building?	no
Does the land contain a dual occupancy?	NO

Building materials:

External Walls Weather tex Cladding. Floors Concrete Slob	
Floors Concrete Slab	
Roof Colorbona	
Frame Timber	

SECTION 2: TERMS OF APPLICATION

Engagement

The engagement of Greenfield Accredited Certifiers to provide services will not commence until the applicant successfully completes and signs this application form, provides all items in the checklist on page 1. Greenfield Accredited Certifiers will not accept any responsibility for any damages, losses or delays suffered by the Applicant as a result of omissions or errors contained within this form or failure to comply with all relevant items contained in the Checklist on this form.

Scope

The scope of works covered under this application is restricted to those building works as described in the "PARTICULARS" section of the form.

Terms and Conditions

- 1. All information provided by the Applicant on this form will be taken to be accurate and correct. Greenfield does not accept any responsibility for any intentional or unintentional error or omission made by the Applicant on this form.
- 2. The Applicant is to declare that no building works have commenced at the time of the application. A false representation in this regard will invalidate the application and Applicant will indemnify Greenfield against any damages or losses suffered by it or its employees in relation to the issue of a Construction Certificate. In such an event the Applicant agrees to cancel the Construction Certificate at the earliest possible time at no cost to Greenfield.

Fees

Failure to pay the quoted fee for services will generally result in a refusal to release the Construction Certificate. Should a Construction Certificate be released and payment not honoured the Applicant will be liable in addition to any associated debt recovery costs plus interest incurred from the time of the application. Greenfield may suspend where fees have not been paid in accordance with the provisions of the Building and Construction Industry Security of Payment Act 1999.

Page 2 of 3 - Greenfield Accredited Certifiers "CC Application Form" Postal Address: PO Box 6160 Baulkham Hills BC NSW 2153 (Ph 1300 663 215)

SECTION 3: DECLARATIONS BY THE APPLICANT AND STGNATURES

I, the afore mentioned person or authorised representative of a legal entity as described as the Applicant in the PARTICULARS section hereby declare the following:

- I/We "have the benefit of the Development Consent" within the meaning given under EP&A Act 1979 for the proposed works as indicated on this form.
- I, to the best of my knowledge, have completed all details in the PARTICULARS section in a correct and accurate manner and hereby indemnify Greenfield against any damages, losses or suffering as a result of incorrect information provided under that section.
- I have obtained consent from the owner/s of the property as indicated in the PARTICULARS section to apply and obtain a Construction Certificate.
- I have read, understood and hereby accept the terms and conditions outlined in Section 2 of this form.
- I understand that the Application for Construction Certificate is not complete until all required documentation has been received by Greenfield.
- I understand that the Application for and acquisition of Construction Certificate does not authorise Commencement of Building Work. (Refer to appointment of PCA on Greenfield PCA Form)

APPLICANTS SIGNATURE

S 1

Signature of Applicant No. 1	× B. Haclift.	
Full Name of Applicant No. 1	Hackett, Brendan	
Dated	15/5(1)	
Signature of Applicant No. 2	X	
Full Name of Applicant No. 2		
Dated		

SECTION 4: OWNERS CONSENT TO APPLY FOR CONSTRUCTION CERTIFICATE

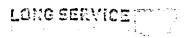
If there are additional site owners (not already named as Applicants) OR the site owners are not the Applicants (limited circumstances) it is necessary that ALL owners of the site consent to this Application. The person/s signing below declare they are an owner of the Site and consent to the Applicant/s named on this form to make an Application for Construction Certificate.

	OWNER NO. 1	OWNER NO. 2	OWNER NO. 3	OWNER NO. 4
Signature				
	X	X	X	l x
Full Name	B. Haelft			
Dated	15 5 11			

Page 3 of 3 - Greenfield Accredited Certifiers "CC Application Form" Postal Address: PO Box 6160 Baulkham Hills BC NSW 2153 (Ph 1300 663 215)

COUNCIL COPY

Levy Omline Payment Receipt



Thank you for using our Levy Online payment system. Your payment for this building application has been processed.

Applicant Nama e:

BRENDAN HACKETT

Levy Application Reference:

5014619

Application Type:

DA

Application No .:

N0069/11

Local Government Area/Government Authority:

PITTWATER COUNCIL

Site Address:

34 WHALE BEACH RD

AVALON

NSW

2106

Value Of Work:

\$72,000

Levy Due:

\$252

Levy Payment:

\$252

Online Payment Ref.:

616222532

Payment Date:

12/05/2011 4:33:53 PM

LONG SERVICE LEVY CALCULATOR - FROM 1/1/06

Enter building value 72,000

LSL calculated 252.00

COUNCIL COPY



Tel 13 32 20 TTY 02 9338 4943 ABN 81 913 830 179 www.fairtrading.nsw.gov.au

Separation of the property of the second of

Brendan Hackett PO Box 81 NEWPORT BEACH NSW 2106 HOME BUILDING ACT 1989

OWNER BUILDER PERMIT

Permit: 385405P Receipt: 1-1043509429 Issued: 11/05/2011 Amount: \$151.00

BUILDING SITE

34 Whale Beach Rd, AVALON, NSW 2107 AUSTRALIA

AUTHORISED BUILDING WORK

A secondary dwelling - granny flat.

Authority No

DA-N0069/11

Council Area

PITTWATER (S) COUNCIL

Should the property be sold within 6 years of completion of the work it will be necessary to obtain home warranty building insurance from approved insurers if the value of the work was greater than \$12,000. A certificate of insurance must be attached to any contract of sale.

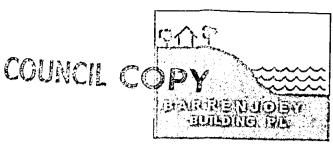
You should obtain professional advice from general insurers regarding public liability and property damage cover, etc.

Note: This permit is only valid when an official receipt has been imprinted. If payment is made by cheque, the permit is conditional on the cheque being met on presentation. *GST amount included in total fee: \$0.00

Issuing officer

Earrenjoey Building

22 COONANGA ROAD AVALON NSW 2107 PH (02) 9918 0829 Fax (02) 9918 0889 BLD. LIC. 202838C A.B.N. 47 658 539 019



Friday, 11 March 2011

To Whom it may concern

I have reviewed the plans submitted to Council as a development application for the erection of a secondary dwelling at No. 34 Whale Beach Road, Avalon and confirm the estimated cost to completion of the development is \$72,000

バダルイブ Graham West



62/2 Ferest Resd. Warnewood 2162 | N.S.W | ABN 37-427-224-361 M = 0414-717-541 | Phone | 9979-9286

ankour

COUNCIL COPY

limail - jjdrafl@tpg.com.zu

30th May 2011

RE: 34 Whale Beach Road, Avalon To Greenfield Certifiers

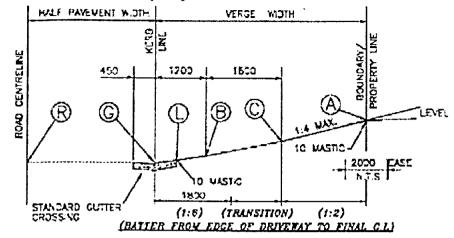
Dear Stephen Murray

I hereby certify that the designed driveway and car parking space at 34 Whale Beach Road. Avalon complies in accordance with Council's technical specifications.

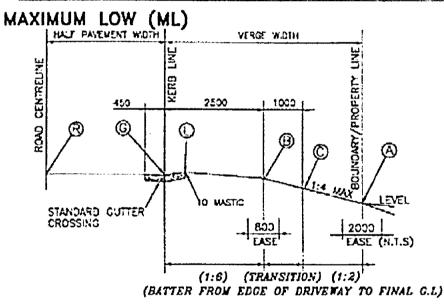
Kind Regards Jitka Jankovec

c/o JJDrafting

MAXIMUM HIGH (MH)



POINT	REMARKS	LEVELS
R	ROAD CENTREUNE	
G	INVERT OF GUTTER	
	HACK OF LAYBACK	MAX 100 ABOVE "G"
_B	1200 FROM KERS LINE	170 ABOVE "G"
С	3000 FROM KERB UNE	480 ABOVE "C"
Α	BOUNDARY	EASE REQUIRED AT GRADE CHANGE



POINT	REMARKS	LEVELS
R	ROAD CENTREUNE	
C	INVERT OF CUTTER	
L	BACK OF LAYBACK	VAX 100 ABOVE "G"
B	2500 FROM KERB LINE	30 BELOW G
С	3500 FROM KERB LINE	265 BELOW "G"
A	LECUNDARY	EASE REQUIRED AT GRADE CHANGE

Certificate Version 6.1.1. Prior versions not valid after 1 March 2006

Issued in accordance with the requirements of BASIX THERMAL COMFORT - Simulation Method



Assessor	
	ny: Greenfield DA Services Assr #: 20722
Address: PO Box 6160 BAULKHAM HILLS BC NSW 2	
Phone: (13) 0066 3215 Fax: (02) 9836 2499	Email: jeremymoy@greenfielddaservices.com.au
Declaration of Interest: None	
Client	
	ny: None Specified
Address: 34 Whale Beach Road AVALON NSW 2107	T II II I I I I I I I I I I I I I I I I
Phone: 0408 080 790 Fax:	Email: bhackett@bigpond.com
Project	
Address: 34 Whale Beach Road AVALON NSW 2107	
Lot / DP: 90 / 17189	LGA: Pittwater Council
Applicant: B Hackett	
Assessment	
	ne: 37196/1 Run # 1
Software: AccuRate Version: V1.1.4.1	Climate Zone: 56
Referenced documents	based, are included in the project documentation which has
ABSA Assessor Certificate Assessor # 20	ings identified above, have been referenced O722 Certificate # 66179475 Issued: 31-May-11
THERMAL COMF	ORT - Simulation Method
The details must be ente	ered into your BASIX Assessment
Area calculations (M2)	。
Net Conditioned Floor Area 49	Net Unconditioned Floor Area 6
Concessions / Ventilation Bonus	
Eligible Concessions: None	
The dwelling has the required shading to qualify for E	BASIX cross ventilation bonus: N/A
Predicted annual energy loads	
	ABSA Assessor stamp
Heating: 37 Cooling: 24 (sensible + latent)	ABSA Assr # 20722 Cert # 66179475
Total: 61	Sign Jereny Mey 31/05/11

Certificate # 66179475

Issued: 31-May-11

Thermal Performance Specifications - BASIX THERMAL COMFORT - Simulation Method

These are the Specifications upon which the Certified Assessment is based. If details included in these Specifications vary from other drawings or written specifications, these Specifications shall take precedence. If only one specification option is detailed for a building element, that specification must apply to all instances of that element for the project. If alternate specifications are detailed for a building

Windows	Product ID	Glass	Frame		SHGC	Area M2	Detail	
Generic 01		Single clear	Aluminium	7.32	0.77	<u></u>	hroughout	
Skylights	Product ID	Glass	Frame		SHGC			
Generic 01	<u> </u>	Single Glazed Clear	Aluminium	7.32	0.77	A	s per plans	
Any U and S Alternate pro	HGC values sp ducts may be i	pecified on Certificates Issuused if their U value is lowe	ued after 1 May 2 er, and the SHG0	2007 are according O value is less than	to NFRC 10% hig	. All values ther or lowe	prior to this r.	date are ANAC.
External w	alls Constru	ction Insulation	Colour	- Solar absorptanc	y De	etail	12 g an	analini s id ye
Weatherboai	d	R2.0	Mediur	n - SA 0.475 - 0.7	As	per plans		
Internal wa	alis Construc	ction Insulation	Detail			i in la	1 2- 1 3	es jája kenn .
Plasterboard	on Studs	None	As per	plans				
Floors	Constru	ction Insulation	Coveri	ng · . : ' ' ''. ' · . · · ·	De	etail	ji a Arrichie	and the later will
Concrete		None	Carpet	/Tiles	As	per plans		
Cellings	Constru	ction Insulation	Detail	=	To the same of	to see at ignore.	_01 * 1.2 [-	性 医毛头皮膜炎 医糖尿气酶
Plasterboard		R4.0	As per	plans				
Root	Constru			- Solar absorptanc			jaren er jaren eta	Market Berger (1984) and
Metal Deck		Foil + R1.0 Batts	Mediur	n - SA 0.475 - 0.7	As	per plans		
Window co	over Internal	1-0,000,000,000		External (awnings	s, shutter			Align Bear Deal of
Holland blind	s	Throughout		None		As pe	er plans	· · ·
Fixed shad	-	<i>width - inc. gutters, height a</i> plans	above windows)	Verandahs, Pergo	olas (type	e, description	n) - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Teler de la Carte
Overshado	owing Ove	rshadowing structures		Overshadowing tr	ees		u det Mare	
Orientation	n. Exposure. V	/entilation and Infiltration					A	BSA Assessor star
		elevation 84		†				
Terrain cated		ourban						

Orientation, Exposi	are, Ventilation	and Infiltration	
Orientation of nominal	north elevation	84	
Terrain category	Suburban		
Roof ventilation:	Unventilated		
Cross ventilation:	Standard		
Subfloor ventilation:	On ground		
Living area open to en	try:	Yes	
Living areas separated	by doors:	No	
Stair open to heated a	reas:	No	
Weather seals to wind	ows and doors:	Yes	
Exhaust fans without of	lampers:	No	
Ventilated skylights:		No	
Open fireplace or unflu	ed gas heater:	No	
Vented downlights:		No	
Wall and ceiling vents:		No	
		·	



page 1/6

BASI Certificate

Building Sustainability Index www.basix.nsw.gov.au

Single Dwelling

Certificate number: 362765S_02

have the meaning given by the document entitled "BASIX Definitions" dated <none> commitments set out below. Terms used in this certificate, or in the commitments, government's requirements for sustainability, if it is built in accordance with the This certificate confirms that the proposed development will meet the NSW published by the Department of Planning. This document is available at www.basix.nsw.gov.au

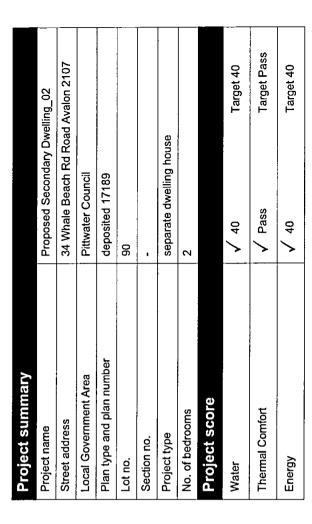
This certificate is a revision of certificate number 362765S lodged with the consent authority or certifier on 09 March 2011 with application N0069/11.

Clause 2A, 4A or 6A of the Environmental Planning and Assessment Regulation It is the responsibility of the applicant to verify with the consent authority that the original, or any revised certificate, complies with the requirements of Schedule 1

Date of issue: Tuesday, 31 May 2011 Director-General









Certificate Prepared by	Certificate Prepared by (please complete before submitting to Counci or PCA)
Name / Company Name:	
ABN (if applicable):	D'

BASIX

posciliate to reject

Project address		_
Project name	Proposed Secondary Dwelling_02	⋖
Street address	34 Whale Beach Rd Road Avalon 2107	0
Local Government Area	Pittwater Council	0
Plan type and plan number	Deposited Plan 17189	٩
Lot no.	06	٩
Section no.	0	
Project type		
Project type	separate dwelling house	
No. of bedrooms	2	_>
Site details		· •
Site area (m²)	544	_
Roof area (m²)	92	ш_
Conditioned floor area (m2)	49]
Unconditioned floor area (m2)	9	
Total area of garden and lawn (m2)	280	

Assessor number		
	20722	
Certificate number 66	66179475	
Climate zone 56	56	
Area adjusted cooling load (MJ/m².year) 24	24	
Area adjusted heating load (MJ/m².year) 37	37	
Other		
none nó	n/a	
Project score		
Water	√ 40 Target 40	et 40
Thermal Comfort	✓ Pass Targe	Target Pass
Energy 4	√ 40 Target 40	et 40

BASIX

Schedule of BASIX commitments

The commitments set out below regulate how the proposed development is to be carried out. It is a condition of any development consent granted, or complying development certificate issued, for the proposed development, that BASIX commitments be complied with.

Water Commitments Landscape	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
The applicant must plant indigenous or low water use species of vegetation throughout 279.83 square metres of the site.	>	\	and the state of t
FXtures			
The applicant must install showerheads with a minimum rating of 3 star (> 4.5 but <= 6 L/min) in all showers in the development.		>	>
The applicant must install a toilet flushing system with a minimum rating of 5 star in each toilet in the development.		>	>
The applicant must install taps with a minimum rating of 5 star in the kitchen in the development.		>	
The applicant must install basin taps with a minimum rating of 5 star in each bathroom in the development.		>	
Alternative water			
Rainwater tank			
The applicant must install a rainwater tank of at least 3000 litres on the site. This rainwater tank must meet, and be installed in accordance with, the requirements of all applicable regulatory authorities.	<i>/</i>	<i>></i>	>
The applicant must configure the rainwater tank to collect rain runoff from at least 49 square metres of the roof area of the development (excluding the area of the roof which drains to any stormwater tank or private dam).		>	>
The applicant must connect the rainwater tank to:			
 at least one outdoor tap in the development (Note: NSW Health does not recommend that rainwater be used for human consumption in areas with potable water supply.) 		>	>

BASIX

www.basix.nsw.gov.au

Thermal Comfort Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
Simulation Method			
The applicant must attach the certificate referred to under "Assessor Details" on the front page of this BASIX certificate (the "Assessor Certificate") to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, to that application). The applicant must also attach the Assessor Certificate to the application for an occupation certificate for the proposed development.			
The Assessor Certificate must have been issued by an Accredited Assessor in accordance with the Thermal Comfort Protocol.			
The details of the proposed development on the Assessor Certificate must be consistent with the details shown in this BASIX certificate, including the Cooling and Heating loads shown on the front page of this certificate.			
The applicant must show on the plans accompanying the development application for the proposed development, all matters which the Assessor Certificate requires to be shown on those plans. Those plans must bear a stamp of endorsement from the Accredited Assessor to certify that this is the case. The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all thermal performance specifications set out in the Assessor Certificate, and all aspects of the proposed development which were used to calculate those specifications.			
The applicant must construct the development in accordance with all thermal performance specifications set out in the Assessor Certificate, and in accordance with those aspects of the development application or application for a complying development certificate which were used to calculate those specifications.		>	>
The applicant must construct the floors and walls of the dwelling in accordance with the specifications listed in the table below.	>	`^	>

rea	ll or part of floor area square metres	
Floor and wall construction	floor - concrete slab on ground	

BASIX

Energy Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
Hotwater			
The applicant must install the following hot water system in the development, or a system with a higher energy rating: gas storage with a performance of 4 stars.	>	>	>
The applicant must install the following cooling system, or a system with a higher energy rating, in at least 1 living area: airconditioning ducting only; Energy rating: n/a		>	>
The applicant must install the following cooling system, or a system with a higher energy rating, in at least 1 bedroom: airconditioning ducting only; Energy rating: n/a		>	>
Heating system			
The applicant must install the following heating system, or a system with a higher energy rating, in at least 1 living area: airconditioning ducting only; Energy rating: n/a		>	>
The applicant must install the following heating system, or a system with a higher energy rating, in at least 1 bedroom: airconditioning ducting only; Energy rating: n/a		>	>
Ventilation			
The applicant must install the following exhaust systems in the development:			
At least 1 Bathroom: individual fan, ducted to façade or roof; Operation control: manual switch on/off		>	>
Kitchen: individual fan, ducted to façade or roof; Operation control: manual switch on/off		>	>
Laundry: natural ventilation only, or no laundry; Operation control: n/a		>	>
Natural lighting			
The applicant must install a window and/or skylight in the kitchen of the dwelling for natural lighting.	>	>	<i>></i>
The applicant must install a window and/or skylight in 1 bathroom(s)/toilet(s) in the development for natural lighting.	>	>	>
Jano			
The applicant must install a gas cooktop & electric oven in the kitchen of the dwelling.		>	
The applicant must install a fixed outdoor clothes drying line as part of the development.		>	

www.basix.nsw.gov.au

page 5/6

In these commitments, "applicant" means the person carrying out the development.

Commitments identified with a V in the "Show on DA plans" column must be shown on the plans accompanying the development application for the proposed development (if a development application is to be lodged for the proposed development).

Commitments identified with a 🗸 in the "Show on CC/CDC plans and specs" column must be shown in the plans and specifications accompanying the application for a construction certificate / complying development certificate for the proposed development.

Commitments identified with a 🗸 in the "Certifier check" column must be certified by a certifying authority as having been fulfilled, before a final occupation certificate(either interim or final) for the development may be issued.

BASIX

Tuesday, 31 May 2011

COUNCIL COPY



INSPECTION PRIOR TO ISSUE OF CONSTRUCTION CERTIFICATE EXISTING BUILDINGS Clause 143B & 143C Environmental Planning & Assessment Regulation

Site Inspection Report Premises: 3.4. WHANG 13444 POAS ANALON 2107 Development Application Nov. Noby II. (PITWATER CONCIL) Type of Inspection: 19.5.//		
Current fire safety measures installed in the building	are listed as follows-	
New structure residential developing	L WIOT	
Do the Construction Certificate plans & specifications the condition of the existing building?	s adequately & accurately depic	
☑ Yes □ No		
Details		
••••••	••••••	
***************************************	***************************************	
•••••••		
Has any work authorised by the Consent commenced ☐ Yes ☐ No	on site?	
Details		
	••••	
•••••••••••••••••••••••••••••••••••••••		

Name of Certifier: Steples Miway Accreditation No: ISPS 0262		

DENIS FISH PLANNING SERVICES COLOUR SCHEDUCEP

consider this matter on its merits, noting that there is a ready availability of kerbside parking in Alexander Rd. In this regard, it is noted that most of the surrounding dwellings only provide for 1 off-street car parking space, although it appears that in many cases it would be possible to park a second vehicle in a stacked arrangement on the driveway. This arrangement could be replicated on the development site, however, a second space in this location would be located on the road reserve which, for various reasons is unacceptable and therefore it is intended that any second vehicle associated with the principal dwelling will continue to be parked at kerbside in Alexander Rd.

All vehicles would have to reverse off the site, as currently occurs as there is no on-site turning area, however vehicular and pedestrian sightlines are extensive in this location, as confirmed by the photos on page 18 of this Statement. This access arrangement is consistent with that predominant in the locality.

The exterior materials and a roof design of the proposed secondary dwelling are to replicate those of the principal dwelling and will comprise 'weathertex' wall cladding, aluminium framed windows & doors and a pitched metal roof. The exterior exterior colours are :-

Roof & gutters - colorbond 'Deep Ocean'

Exterior walls, fascia and downpipes - mid-grey

Window frames and building trims - white

Due to the extent and density of landscaping around the site perimeter, the only supplementary landscaping required & proposed is between the principal dwelling and the secondary dwelling to provide an appropriate degree of privacy and separation between these buildings.



The 2 storey dwelling to the west of the site.

The single storey dwelling to the north & N/W of the site.

Page 1 of 2





Application Lodgement Summary

Sydney WATER

Reference Number 3185115

Date Requested: Fri June 3 2011

DOLFIN Number

D10/1-14030

Agent

Greg Houston Plumbing, 1/9 Hargraves Pl Wetherill Park

Applicant

AWPM, UNIT 1,151 HARTLEY SMEATON GRANGE 2567

Property/Asset

34 Whale Beach Rd, Avalon 2107 (Bj Hackett) PNum: 3464020

150 mm VC Sewer Main - (3144882)

Product

Building Plan Approval Application

Charge

Product Cost GST Total

Building Plan Approval Application Fee

\$26.45 \$0.00 \$26.45

REFERRAL FOR BUILDING PLAN APPROVALS

Quick Check Agent

The Quick Check Agent has lodged your application with Sydney Water and determined that your proposed building/structure may potentially impact on Sydney Water's infrastructure.

The Quick Check Agent has advised you to contact a Water Servicing Coordinator for approval of your proposed building/structure. The Water Servicing Coordinator acts as your contact in dealing with Sydney Water.

Water Servicing Coordinator

Some of the activities required prior to approving your plan may include;

- Reviewing your proposed building/structure plans and discussing options.
- Advise if a Service Protection Report (also known as a Pegout) is required.
- · Advise if structural engineering detail is required.
- Arrange supervision of concrete encasement and piering.
- Specify asset protection requirements and/or alternative options.

Water Servicing Coordinators are located across Sydney, Illawarra and the Blue Mountains. Sydney Water recommends that you contact several Water Servicing Coordinators to ensure you choose the one that is most appropriate for you.

To assist in your selection, Sydney Water recommends you ask each Water Servicing Coordinator the following type of questions:

- 1. How long will it take to obtain the Building Plan Approval?
- 2. How much do you charge for a Building Plan Approval?
- 3. If I require a Service Protection Report (pegout), how much will it cost?
- 4. Are there any other charges that I may have to pay?

For more information and a list of Water Servicing Coordinators, visit the Building, Developing and Plumbing section of Sydney Water's website at www.sydneywater.com.au. Alternatively you may obtain a list from the Sydney Water call centre on Tel: 13 20 92.

SYDNEY WATER BUILDING PLAN APPROVED SUBJECT TO REQUIREMENTS

Dolfin No: D10/1-14030

Quick Check Ref No: 3185115

Case No.:

AWPM Ref No.: B11/562

Property Location

Street No:

34

Street Name:

Whale Beach Road

Suburb:

Avaion

Building/Structure Description:

Secondary Dwelling

Building Plan No: DA 1 & DA 7

Engineers Plan No: BP 2

Proposed building/structure is APPROVED to construct OVER/ADJACENT TO a Sydney Water sewer/asset, subject to the following requirements:

SPECIAL REQUIREMENTS

- (a) PIER INSPECTION (INSPECTION MUST BE CARRIED OUT)
- (b) N/A
- (c) N/A

THE SPECIAL REQUIREMENTS WHICH MUST BE MET OR WE CAN NOT APPROVE YOU'RE BUILDING PLAN APPROVAL.

NOTE:

The listed requirements as detailed on page 2 and in engineer drawings must be inspected/supervised by AWPM — Australian Water Project Management to enable the issue of a satisfactory compliance letter. Please call the office on (02) 4648 0666 to make a booking.

Doc. Name: eDev06_01_Building Plan Approved_ Subject to Requirements_02 Doc. Controller: Planning, Reporting & Compliance Manager (NB. Delete non applicable requirements)

- 1. The foundations/piers are to be founded below 1.0 metre zone of influence, CLAY strata.
- 2. No part of the building/structure or its foundations to be less than a minimum 0.6 metre, horizontal distance from the centreline of the sewer.
- 3. No part of the swimming pool or its foundations to be less than a minimum 0.6 metre, horizontal distance from the centreline of the sewer.
- 4. No part of the building/structure or swimming pool coping to be less than 1 m horizontal distance from outside edge of maintenance hole rim / maintenance shaft rim / lamp hole rim / vertical rim / rodding point or edge of vent shaft.
- No Ptering of building/structure to be less than 2 m horizontal distance from centreline of maintenance hole to edge of piers.
- 6. Foundations/piers are constructed in accordance with Engineers detail plans (stated above) as submitted to Sydney Water.
- 7. All foundations/piers are to be founded to below the zone of influence or to solid rock.
- 8. Indemnity letter to be signed by owner/s of property and returned to Water Servicing Coordinator prior to issue of building plan approval.
- 9. Concrete encase approximately N/A metres of sewer. Concrete encasement to be carried out by an Accredited Constructor of Minor Works (Sewer) / Constructor and a Minor Works Agreement signed prior to commencement of works.
- 10. Concrete encasement must extend a minimum of 600 mm past the external walls of the building/structure.
- 11. Minimum of 150 mm vertical clearance between top-of concrete encasement to underside of concrete slab.
- 12. Minimum of 50 mm of compressible membrane between top of concrete encasement to underside of concrete slab.
- 13. Property connection point (junction) to be inserted under Minor Works Agreement.
- 14. All works are to be completed in accordance with Case No.

Permits are required to fill all new swimming pools with a capacity greater than 10,000 litres. To arrange for a permit please contact Sydney Water on 13 20 92 during business hours. Fines will apply for filling swimming pools without a permit.

APPROVED BY

WSC Company Name: AWPM Australian Water Project Management

19 Jula -

Name of Key Personnel: Les O'Sullivan

Signature of Key Personnel:

3-6-11

INFORMATION SHEET

Pier / Site Inspection

This is required if the foundations/footings for the proposed structure/building are within the Zone of Influence of the Sydney Water asset(s). Additional fees apply.

We are required to attend site to confirm that the foundations/footings are as indicated on the plan prior to the foundations being laid &/or the concrete being poured.

A report is completed and submitted to Sydney Water with the project completion package (approved plans).

Please complete the enclosed booking form when you are ready to book the inspection.

Concrete Encasement

If your structure/building is being built directly over or within the Zone of Influence, you are required to have the asset concrete encased to ensure its stability and minimise impact in the future. This work must be carried out at your expense.

An accredited Sydney Water supplier must carry out the concrete encasement. A list of suppliers can be found on Sydney Water's website at: www.sydneywater.com.au/Developing Your Land/Suppliers/

We are required to supervise the concrete encasement works as explained below.

Concrete Encasement Supervision

To ensure the correct procedures & materials are being carried out to Sydney Water's standards, we are required to supervise the concrete encasement during construction. Additional fees apply.

We will liaise with your nominated constructor to arrange a suitable time to attend site.

A report will be prepared and submitted to Sydney Water for their records with the approved plans.

Please complete the enclosed booking form when you are ready to book the inspection.

Relocate Property Connection Point (PCP) / Junction

You are required to relocate the existing PCP as it is affected by your structure/building. This work must be carried out at your expense.

An accredited Sydney Water supplier must carry out the relocation of Property Connection Point / Junction. A list of suppliers can be found on Sydney Water's website at:

www.sydneywater.com.au/Developing Your Land/Suppliers/

We are required to inspect the works and will liaise with your nominated constructor to arrange a suitable time to attend site.

A report will be prepared and submitted to Sydney Water for their records with the approved plans.

Please complete the enclosed booking form when you are ready to book the inspection.

AWPM
Quality System
Forms

F411-4010.7 Service Protection Report (Peg Out)

Page: 1 of 1 Date: 27 Aug 07

SUPPLIER:

AWPM Australian Water Project Management

ABN: 98 002 902 392

Unit 1, 151 Hartley Rd, Smeaton Grange NSW 2567

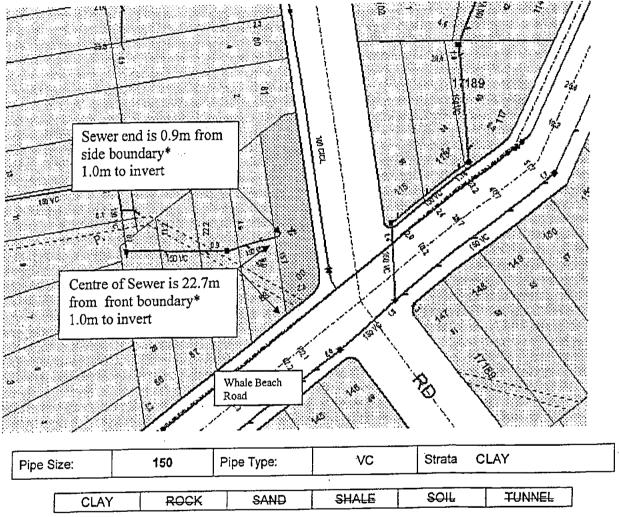
Phone: (02) 4648 0666 Fax: (02) 4648 0644

AWPM REF NO:

P11/279

PROPERTY ADDRESS

34 Whale Beach Rd, AVALON



^{*} For the purpose of this report,' boundary' refers to fixed structures (fence, retaining walls, buildings, etc.) used to tie location of the Sydney Water asset(s), and may not always correspond to the property boundary (as identified on site survey plan). Do not scale, S.O. = Square Off

I, Les O'Sullivan of AWPM Australian Water Project Management, being accredited to carry out a Service Protection Report, certify that the information shown on the Report is accurate and has been prepared in accordance with the relevant instructions.

Report completed by:

19 Sullin

Les O'Sullivan

Signed:

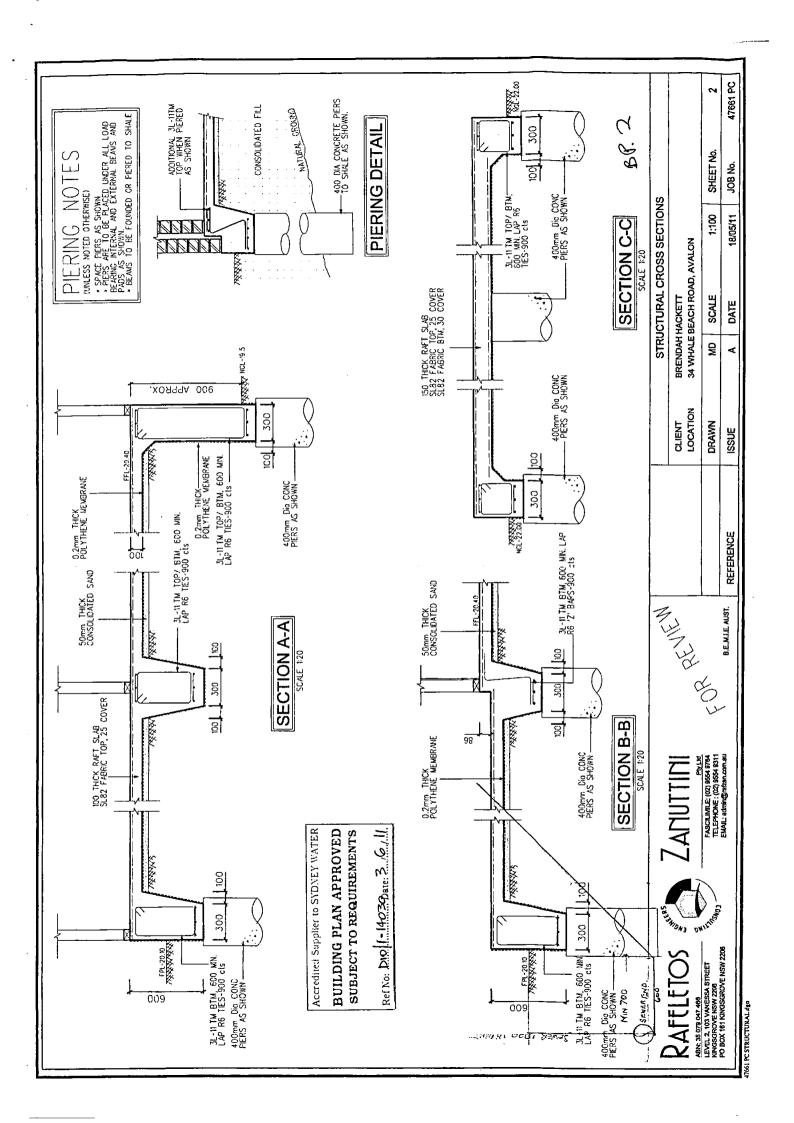
Date:

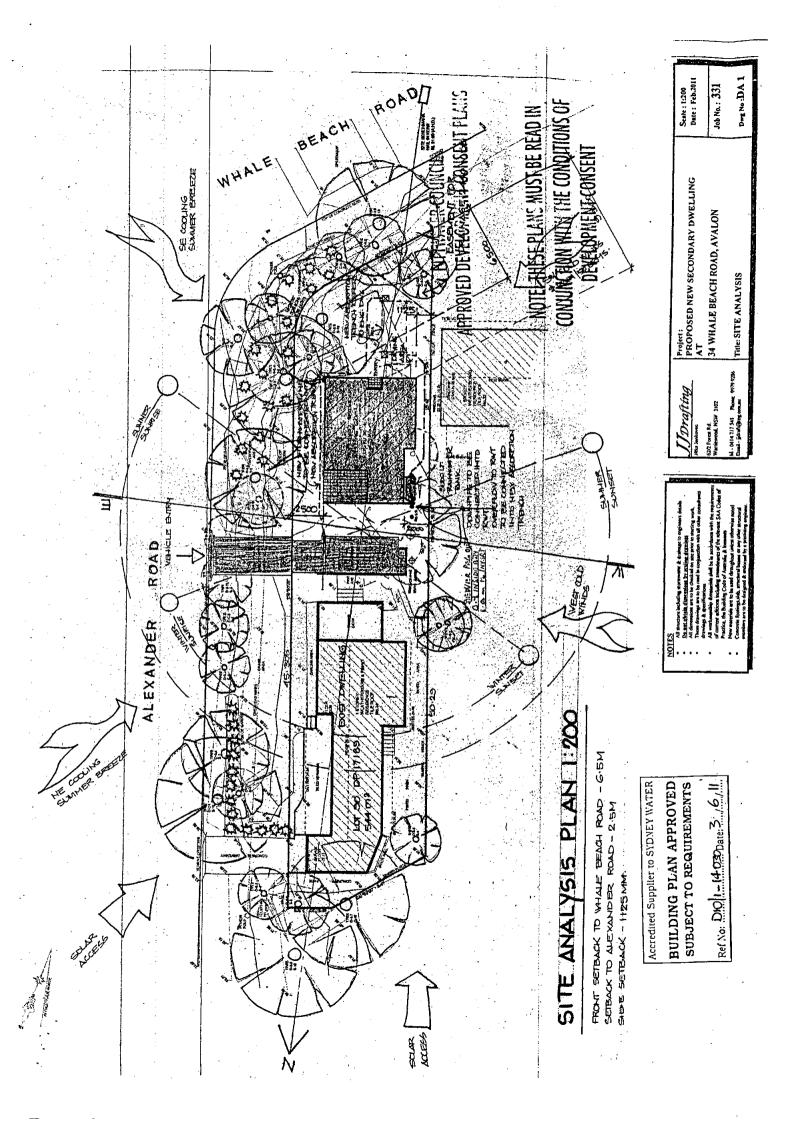
3/6/2011

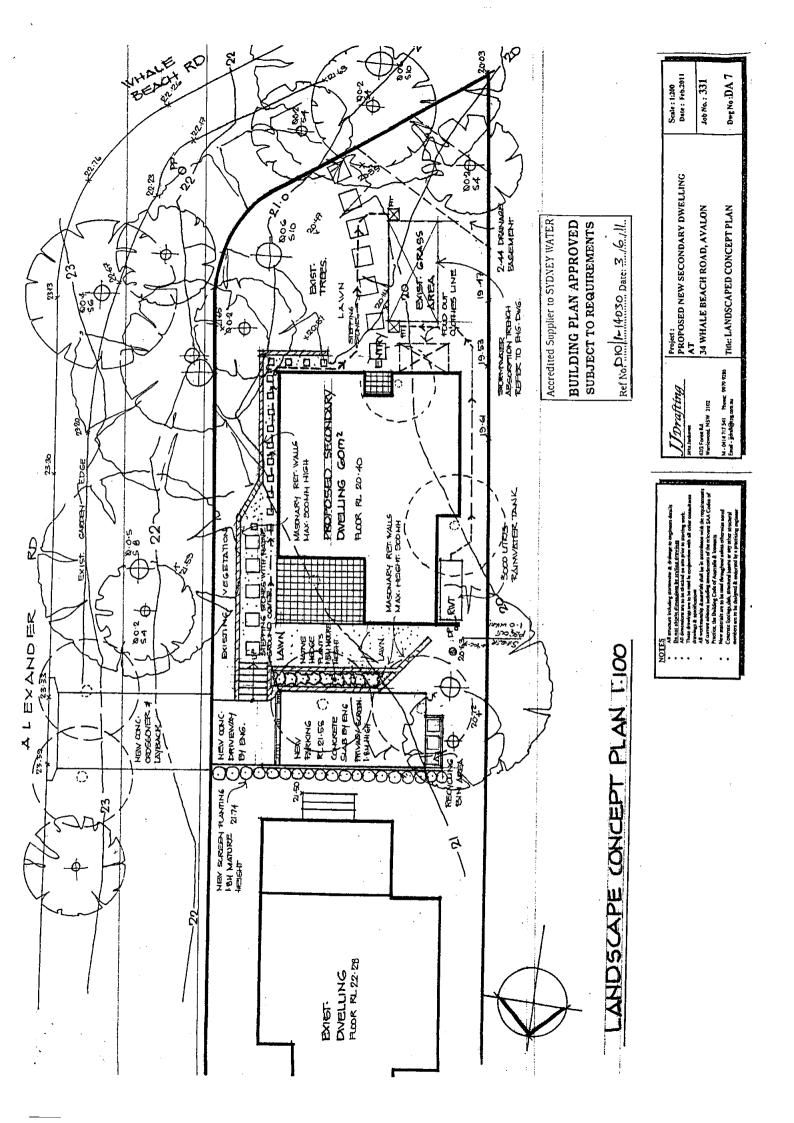
AWPM	F411-4010.4	Page: 1 of 1
Quality System	Building Plan Approval Return Advice	Date: 27 Aug 07
Forms		

D10/1-14030

	BUILDING PLAN APPROVAL RETURN ADVICE:		
	1	BUILDING PLANS APPROVED REQUIREMENTS APPLY	
Q/		The Building Plans submitted have been approved and are being returned. Additional charges now apply (see advice attached).	
N/		The foundations/footings for the proposed structure/building are required to be supervised by AWPM as accredited supplier to provide this service. To engage AWPM to carry out the supervision, please complete the enclosed booking form and return it to our office. Fees apply.	
		The existing Sydney Water sewer is required to be concrete encased. This work needs to be carried out by an accredited Minor/Major Works Supplier. The Concrete Encasement will require supervision by AWPM as an accredited supplier to provide this service. To engage AWPM to carry out the Supervision, please complete the enclosed booking form and return it to our office. Fees apply.	
		The existing Property Connection Point (Junction) is required to be moved. This work needs to be carried out by an accredited Minor/Major Works Supplier. The new Property Connection Point (Junction) will require an inspection by AWPM as accredited supplier to provide this service. To engage AWPM to carry out the inspection, please complete the enclosed booking form and return it to our office. Fees apply.	
		Please note, if you engage Sydney Water to <u>also</u> attend the Inspection / Supervision as well as your accredited supplier, you will be required to pay both suppliers.	
		BUILDING PLANS NOT APPROVED	
		The Building Plans submitted have <u>not</u> been approved and are being returned:	
0		The location of Sydney Water's assets (sewer, stormwater & watermain) will need to be accurately determined before the plans can be reviewed. The customer will need to carry out a Service Protection Application ("Peg Out") which will accurately determine the location of the asset(s), as well as determining its depth and the property sub strata details (soil, clay, sand, rock, etc.). The Service Protection Application must be carried out by an accredited supplier. AWPM are accredited to provide this service. Alternatively, you can engage Sydney Water to carry out this work.	
		Once you have received the Service Protection Report ("Peg Out") you will need to give this report to the Structural Engineer who is designing the foundations for the structure so that they can design the foundations appropriately to ensure that the structure does not impact on Sydney Water's asset(s).	
		Upon completion of the Service Protection Application and once the engineers plans have been prepared/amended, you will need to submit the building plans, engineers plans and a copy of the Service Protection Report for review.	
		The Indemnity Letter attached needs to be completed, signed by the owner(s) of the property and returned with the Building Plans for approval.	
		BUILDING PLANS APPROVED-NO SPECIFIC REQUIREMENTS:	
		The Building Plans submitted have been approved. There are no specific requirements in this instance and does not require the works to be supervised.	
AWPM are accredited to carry out Minor & Major Works Construction, Project Management, Peg Outs (Service Protection Applications), Pier Inspections, Concrete Encasement Supervisions & Property Connection Point (Junction) Inspections - please contact us for a quote.			









Information for Access Driveway Profiles 1 July 2010 - 30 June 2011

To:

Brendon Hackett

Postal Acidress:

PO Box 81

NEWPORT BEACH 2106

Date:

30 May 2011

Receipt No: 302149

Amoura to

\$100

ACCESS DRIVEWAY PROFILE AT:

34 Whale Beach Road, Avalon (access from

Alexander Road)

The proposed vehicular access driveway profile shall be as per the enclosed plan ML.

- Type of Construction: Domestic
 - For Residential single & dual occupancy 20MPa Concrete. 150mm thick with SL82 mesh
- Vehicular access slab 6.5 metres long, 3.5 metres wide at gutter Slab Construction: crossing to 3.5 metres wide at the boundary.
- Council will only permit an absolute maximum gradient of 25% (1 in 4) measured at any point on the driveway and that an ease may be required for access into the car stand area, carport or garage. Refer to relevant attached profile.
- All work within the road reserve (including excavation) in connection with the above, is to be carried out by authorised Contractors only;
- Quotations for the work specified above should be obtained from any of the contractors on Council's list and should be for the whole of the work stated;
- Construction of vehicular access will be strictly in accordance with the profile supplied: and
- A formwork inspection by Council is required prior to construction. (Provide minimum 24 hours notice)
 - NOTE THAT THIS INFORMATION SHEET DOES NOT CONSTITUTE AN APPROVAL 1. TO COMMENCE OR PROCEED WITH ANY WORK ON SITE.
 - A SECTION 139 CONSENT UNDER THE ROADS ACT 1993 IS REQUIRED (FORM 2. UI302).
 - FAILURE TO OBTAIN SUCH CONSENT PRIOR TO COMMENCING WORK WILL 3. INCUR A PENALTY.

P. McWhirter

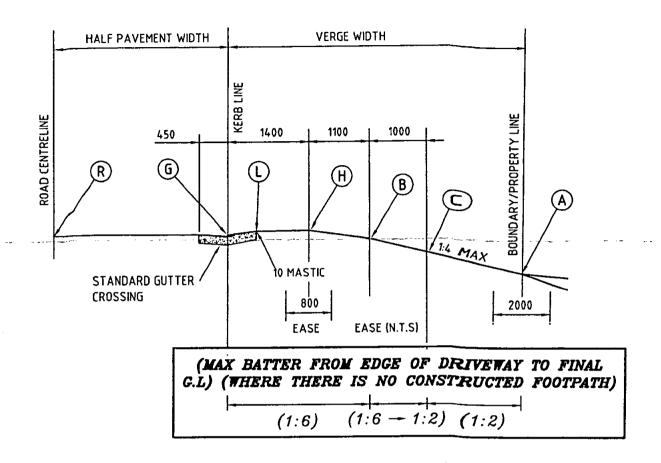
Ross McWhirter

PROJECT LEADER - URBAN INFRASTRUCTURE

Telephone: 9970 1207

MAXIMUM LOW (M.L)

FOR USE ONLY FOR SINGLE
DWELLINGS OR DUAL OCCUPANCIES



POINT	REMARKS	LEVELS
R	ROAD CENTRELINE	
G	INVERT OF GUTTER	
L	BACK OF LAYBACK	100 ABOVE "G"
Н	1000 FROM BACK OF LAYBACK	130 ABOVE "G"
В	2500 FROM KERB LINE	30 BELOW "G"
	3500 FROM KERB LINE	265 BELOW "G"
Α	BOUNDARY	EASE REQUIRED AT GRADE CHANGE

NOTES

- To be read in conjunction with Pittwater 21 Development Controls.
- Only considered for issue by Council if kerb & gutter exists & approved by Council's Drainage Engineer.



Special Driveway Profile

MAXIMUM LOW

PLAN No.
PWC-DW08

REV No. B

DATE 17/08/07

Plot Date: 10 March, 2008 - 3:23 PM



ABN61340837871

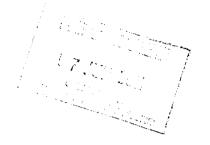
Telephone **02** 9970 1111 Facsimila **02** 9970 7150

Postal Address
PO Box 882
Mona Vale NSW 1660
DX 9018, Mona Vale

Ross McWhirter, Project Leader – Road Reserve Management 8am to 4:30pm Mon - Fri Phone 9970 1207 Mobile 0419 629 007

30 May 2011

Brendon Hackett PO Box 81 NEWPORT BEACH NSW 2106



Dear Sir,

Re: SECTION 139 CONSENT (Roads Act 1993) - 34 Whale Beach Road, Avalon

Council grants the applicant(s), Brendon Hackett, consent to construct a driveway crossing at 34 Whale Beach Road (driveway crossing in Alexander Road).

This Section 139 Consent is granted subject to the following conditions: -

- 1. The Applicant(s) shall, at all times, keep indemnified Council from and against all actions, suits, proceedings, losses, costs, damages, changes, claims and demands in any way arising out of or by reason of anything done or omitted to be done by the Applicant(s) in respect of the work in question.
- 2. The Applicant(s), at all times for the duration of this Consent, will not interrupt or otherwise disturb the traffic flow on the road without first obtaining the consent of Council.
- 3. In the event that the driveway construction requires the use of a mobile concrete pump in the road reserve, separate approval must be obtained from Council for that activity. Form No UI 313 (*Application to Stand Construction Plant on a Public Road Reserve*) must be lodged with the applicable fees.
- 4. The Applicant(s) shall be responsible for the cost of all service and utility adjustments associated with the construction of the driveway. Contact Dial Before You Dig (1100) at least two working days before the works are due to start for information on the location of underground pipes and cables.
- 5. A formwork inspection by Council is required prior to construction. (Provide minimum 24 hours notice)
- 6. The Applicant(s) shall make good any damage caused to the property of any person or any property of Council by reason of the carrying out of any work by the Applicant(s) under the Conditions of this Consent.
- 7. Should the Applicant(s) fail to comply with any of these conditions or any requirement of Council as provided then this Consent shall permanently lapse and any part of the work remaining within the road at that time shall be deemed to be an obstruction or encroachment under Section 107 of the Roads Act 1993.

- 8. This Consent receipt must be held on the job and produced to any officer of Council when called upon.
- 9. The Applicant(s) shall accept all responsibility for public safety during the construction of the works.
- Compliance with the conditions of Development Consent N0069/11 that relate to the road reserve.
- 11. The nature strip on both sides of the driveway crossing is to be reinstated with topsoil and grass turf with a maximum grade of 1 in 4. The finished turf levels are to match the driveway surface levels.
- 12. A FINAL INSPECTION OF THE COMPLETED WORK IS REQUIRED.

Advisory Note: -

The driveway profile shown on Job No 331 Drawing DA 4 by JJ Drafting does not comply with Council's driveway standards as there is no transition from the 1 in 4 grade to the level car parking space. In order for potential scraping of vehicles to be minimised, the car space needs to be raised to provide a suitable transition.

Yours faithfully

Ross McWhirter

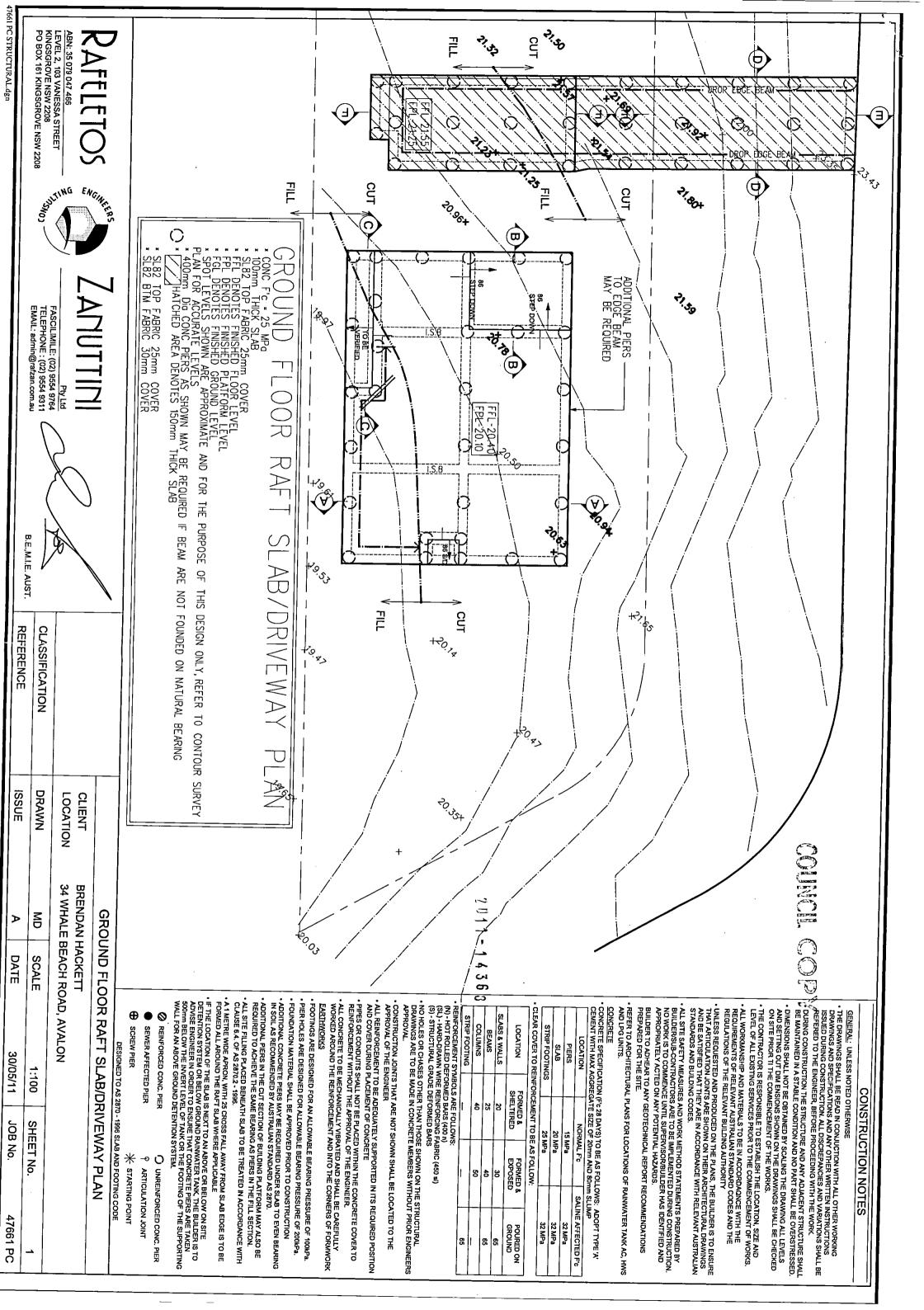
R. McWhister

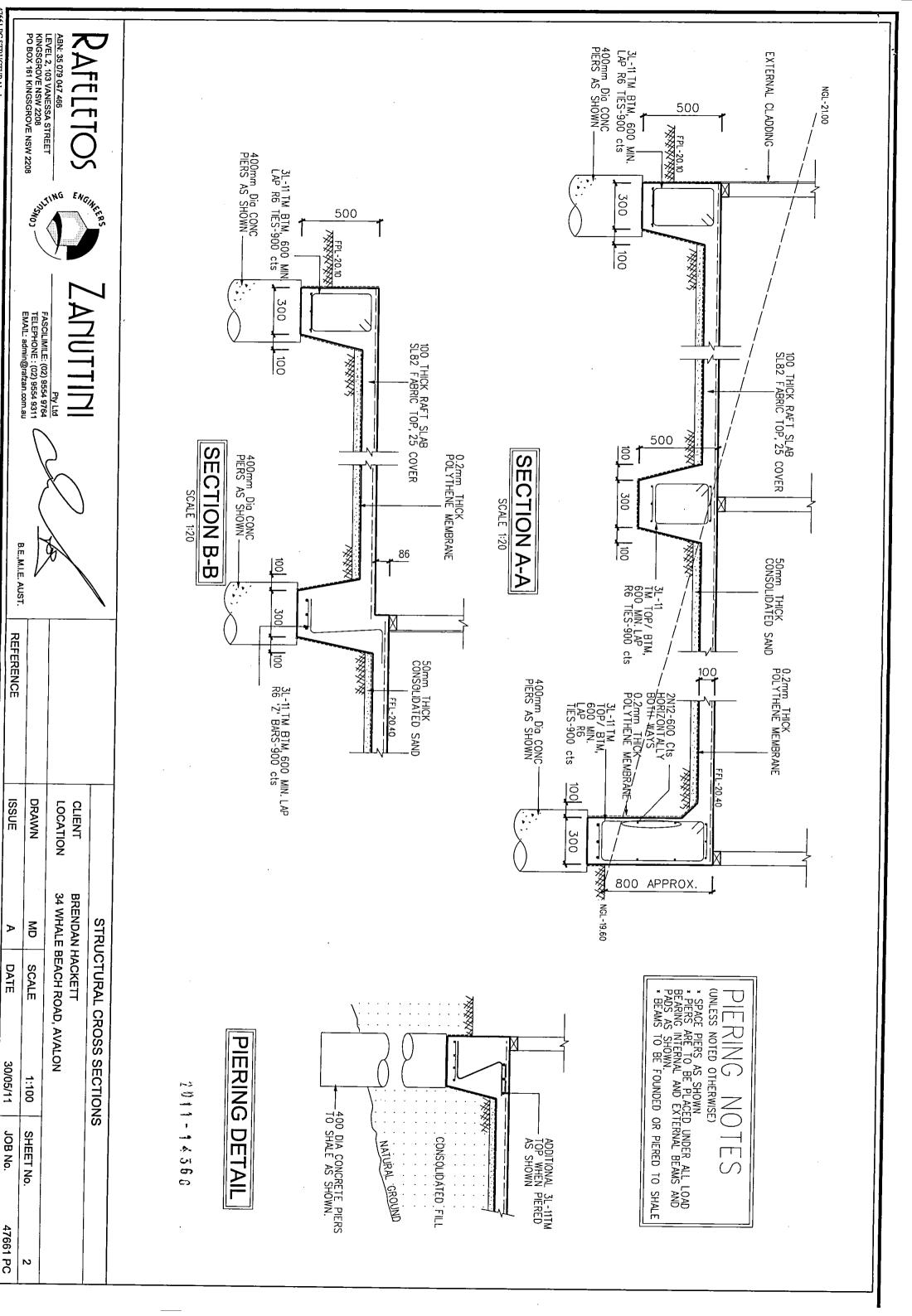
PROJECT LEADER - ROAD RESERVE MANAGEMENT

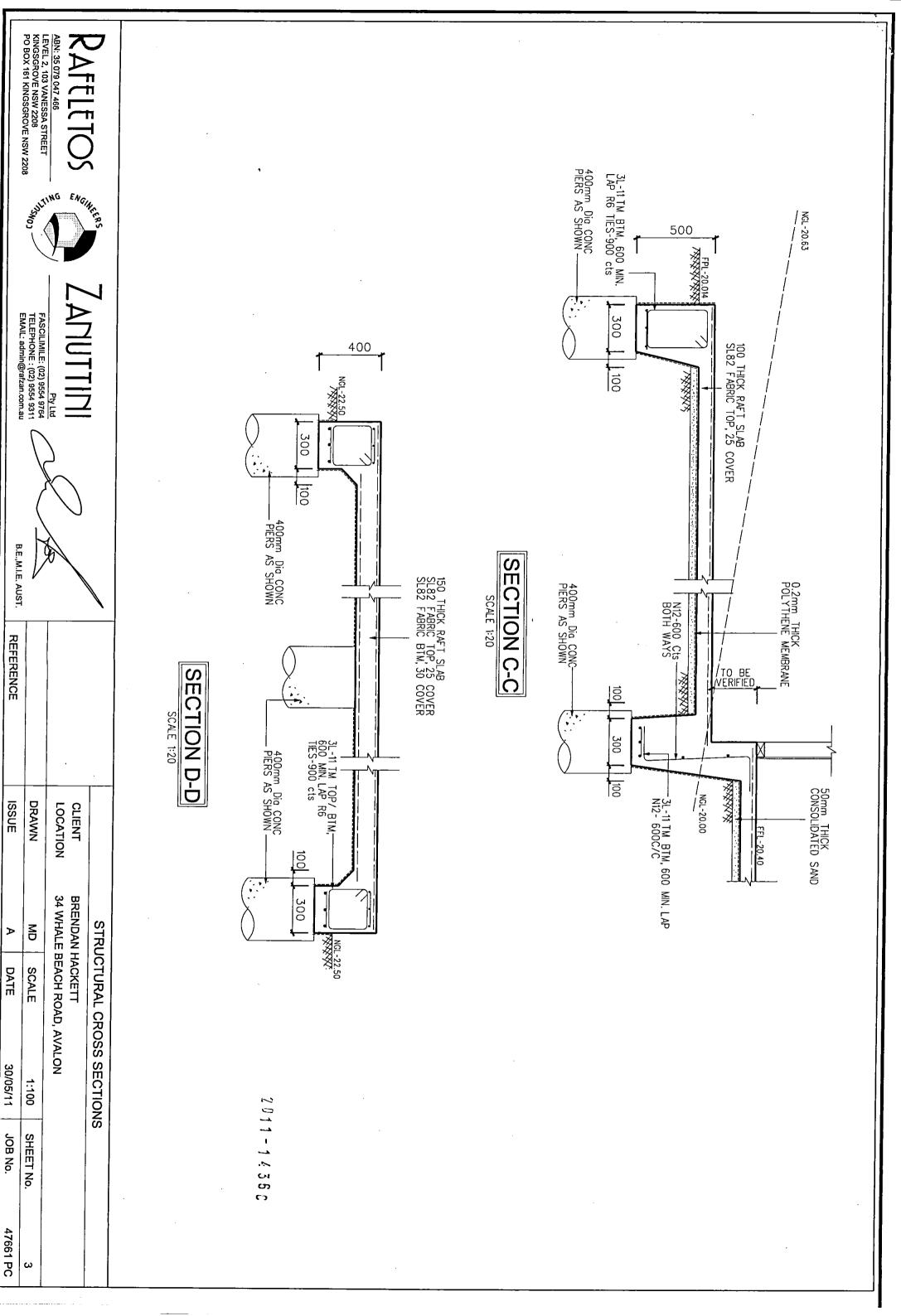
Enclosures: - Information for Access Driveway Profiles

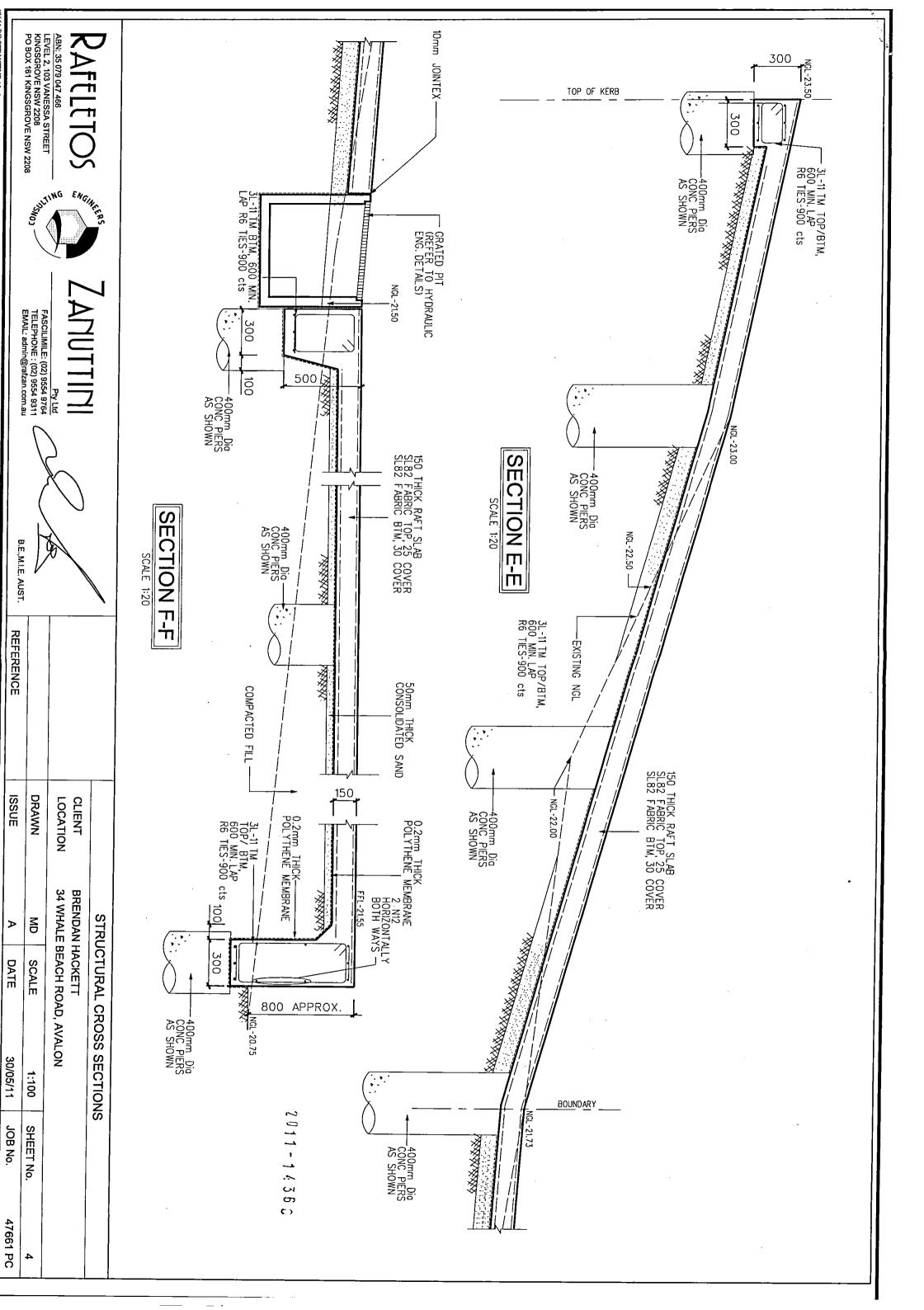
- Driveway profile (ML)

 List of Council Authorised Concrete Contractors for Vehicle Footpath Crossings and Associated Works.











T JTAYLOR CONSULTANTS PTY LIMITED

ABN 98 002 360 054

Consulting Civil and Structural Engineers



'Seascape', Suite 7, 22-26 Fisher Road, Dee Why, NSW 2099
Telephone: 9982 7092 Fax: 9982 5898 Email: taylor_consultants@tpg.com.au

24 February 2011 Our Ref: DMS: 14011

General Manager Pittwater Council PO Box 882 MONA VALE NSW 1660

Dear Sir,

Re: Stormwater Drainage Details - 34 Whale Beach Road, Avalon

With reference to the development application for the above property, please find enclosed four copies of the Drainage Concept Plan No.14011-1 for your perusal.

The plan shows the new hard surface areas of the site draining to a proposed absorption trench system, located towards the southern end of the site. The trench has been designed to dispose of flows associated with the critical 100yr ARI design storm.

A small test hole was opened on-site and the underlying soil was found to be a silty sand. Subsequently a conservative rate of stormwater absorption of 0.25 l/s/m2 was adopted as a design parameter for the absorption trench design.

Also note that a rainwater storage tank has been shown located at the north-western corner of the proposed dwelling. High level overflows from this storage tank are to be connected to the absorption trench drainage system.

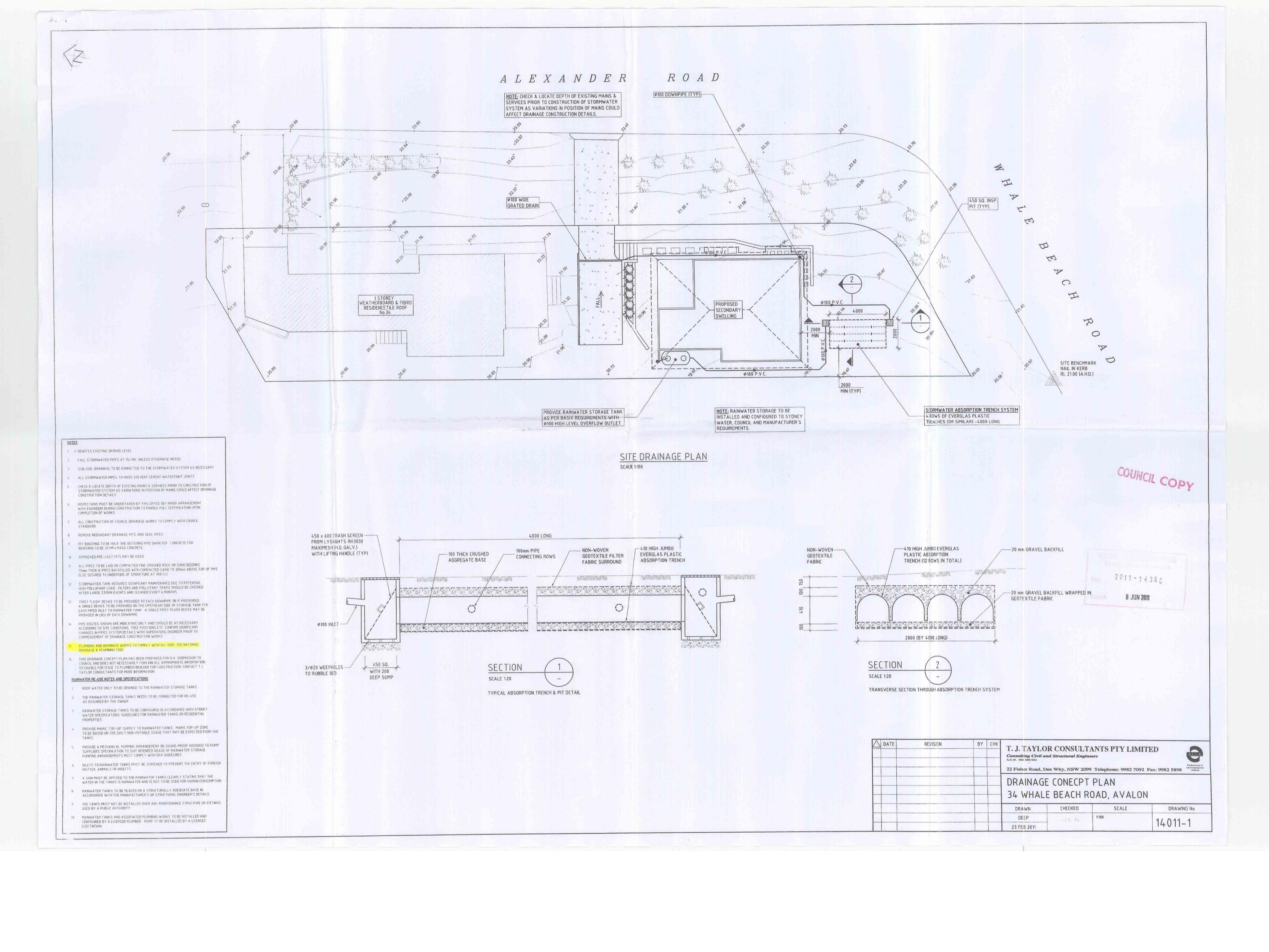
Should you require any further information, please contact the undersigned

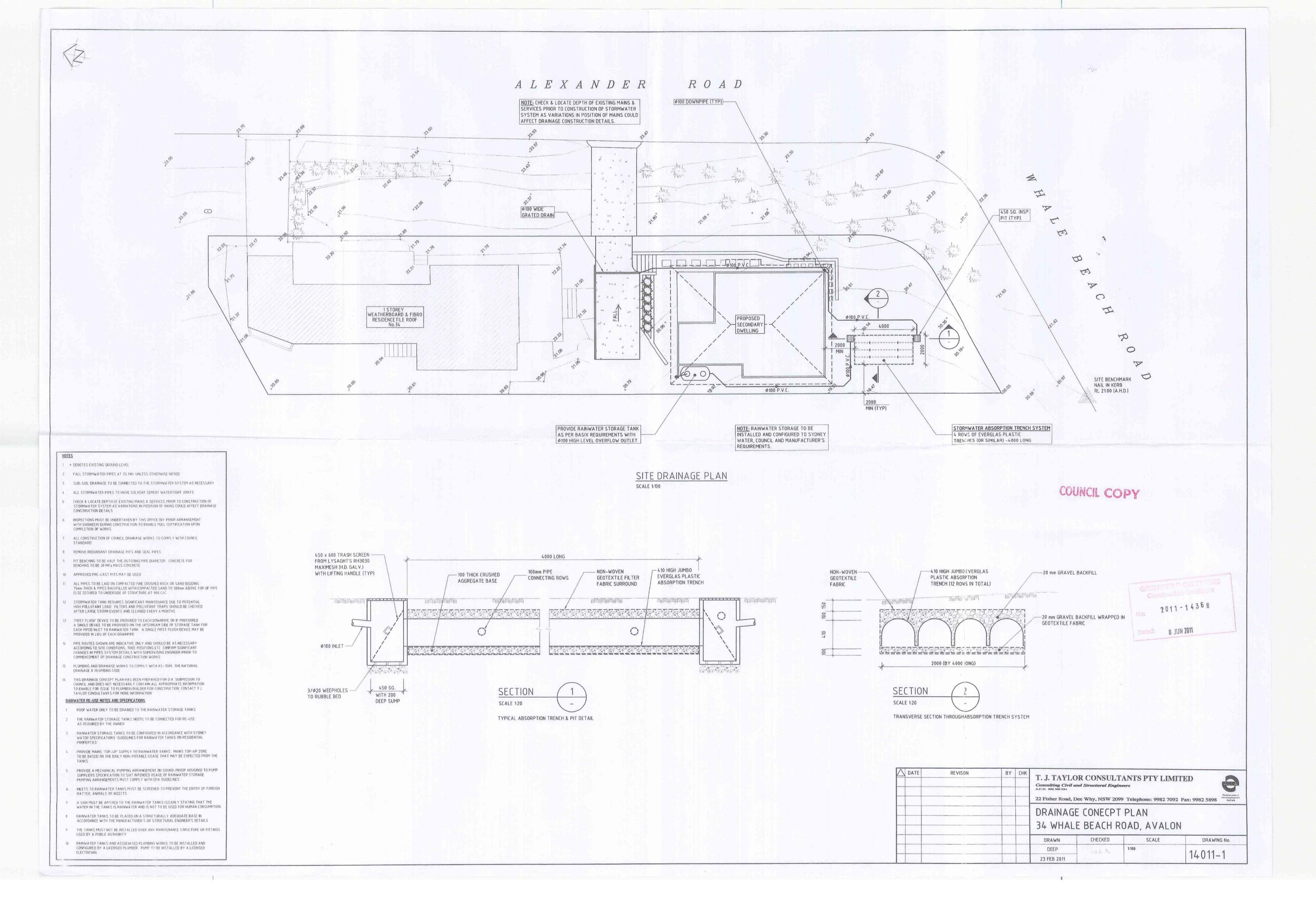
Yours faithfully,

T J TAYLOR CONSULTANTS PTY LTD

D M SCHAEFER BE (Civil) MIEAust

C11/14011 L01





NOTES

EXTERNAL WALLS

DOORS AND WINDOWS Timber framed walls finished off with weathertex cladding

- Alum. frame windows & doors
- NSULATION Weather stripping is to be provided to all external windows & doors.
- External Walls R2.0
- Ceiling R4.0
- Roof Foil + R1.0 blanket

FLOORS

- Reinforced concrete slab
- Tiles to bathroom/ laundry

ROOFING

Colorbond custom orb roofing.

- At least 49 sqm to be collected to the rainwater tank
- into new absorption trench Stormwater from grated drain and I downpipe to connect

GUTTERS AND DOWNPIPES

- Colorbond gutters and downpipes to match roofing
- Minimum slope of eaves and gutters 1:200

FLASHING AND CAPPINGS

- Selection and installation of metal rainwater goods refer to AS 2180
- Provide for independent movement between roof and projection. an apron flashing & over flashing, with at least 100mm overlap. Flash projections above the roof with two part flashings consisting of

BATHROOM/LAUNDRy

- All waterproofing to AS 3740
- floors &shower walls to manufacturers instructions Provide a guaranteed flexible waterproof membrane to all wet area
- TERMITE CONTROL Provide fibre cement sheeting to bathrooms, ensuites and laundries

IMBER FRAMING

- Use treated timber where required for durability
- exposed location Do not use timber unsuitable for exposure to moisture in
- All workmanship & materials shall be in accordance with AS 1684 and 1720 as applicable
- Provide structure bracing in accordance with AS 1684
- galvanised fixings where exposed to weather. Provide structure tie down in accordance with AS 1684 use

- editions of the AS 3600 All workmanship &materials shall be in accordance with current
- Footings to be in accordance with AS 1480
- All reinforcement shall conform to AS 1302, AS 1303 & AS 1304
- Provide plasterboard lining

LANDSCAPE

Plant at least 279.83 sqm of indigenous species

SMOKE ALARMS

(Fire detection, warning control and intercom systems - systems design, Connect to consumer mains power & install to AS 1670.6. 1997 installation and commissioning- Smoke Alarms)

DA1

SITE

ANALYSIS PLANOUNCIL COPY

DA2

GROUND FLOOR PLAN

DA3

- ELEV

ATIONS AND SECTION

DA4

- ELEVATIONS AND DRIVEWAY PROFILE

DA5

- SHADOW PLAN

DA6

DA7 - LANDSCAPED CONCEPT PLAN

SITE COVERAGE CALCULATION PLAN

- SEDIMENT & EROSION CONTROL PLAN

and AS 3786- 1996 (Smoke Alarms)

- All waste shall be taken away by trucks to a suitable landfill or
- WASTE MANAGEMENT
- All waste shall be covered during transportation.
- taken away by an approved contractor to an approved land fill site Waste generated during construction shall be placed in steel bins &

A filter cloth system shall be installed to stop any sediment entering councils stormwater system

comply with the BASIX report. These plans are to be read in conjunction and

BASIX COMMITMENTS

WATER
SHOWER RATING Minimum 3 STAR
TAP RATING -KITCHEN, BATHROOM & L'DRY
TOILET RATING Minimum 5 STAR
нот waтer - 4.0 star gas storage system or better

COOLING SYSTEM

Air Conditioning ducting only

2011-1436

NOT VILLE

-. ,

HEATING SYSTEMS

Air Conditioning ducting only

VENTILATION

Min. of 1 bathroom : individual fan, ducted to façade or roof: operation control: manual switch on/off

KITCHEN; Individual fan, ducted to façade or roof; operation control: manual switch on/off

LAUNDRY; Natural ventilation only

COOKING

Gas cooktop and electric oven

DRYING AREA

An outdoor clothes drying line to be installed as shown plan

RAINWATER TANK

A RAINWATER TANK SHALL BE INSTALLED WITH A MINIMUM OF 3000 LITRES + garden tap

Assessor# issued: 31-May-11 ations

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Manual walls	Construction	insulation	Detail	:	
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					20722 66179475
Floors	Construction Insulation	Insulation	Covering	Detail .	П
Concrete	None	3	3	As per plans	Som Jevery May
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Çeilings	Construction insulation	insulation	Defail		
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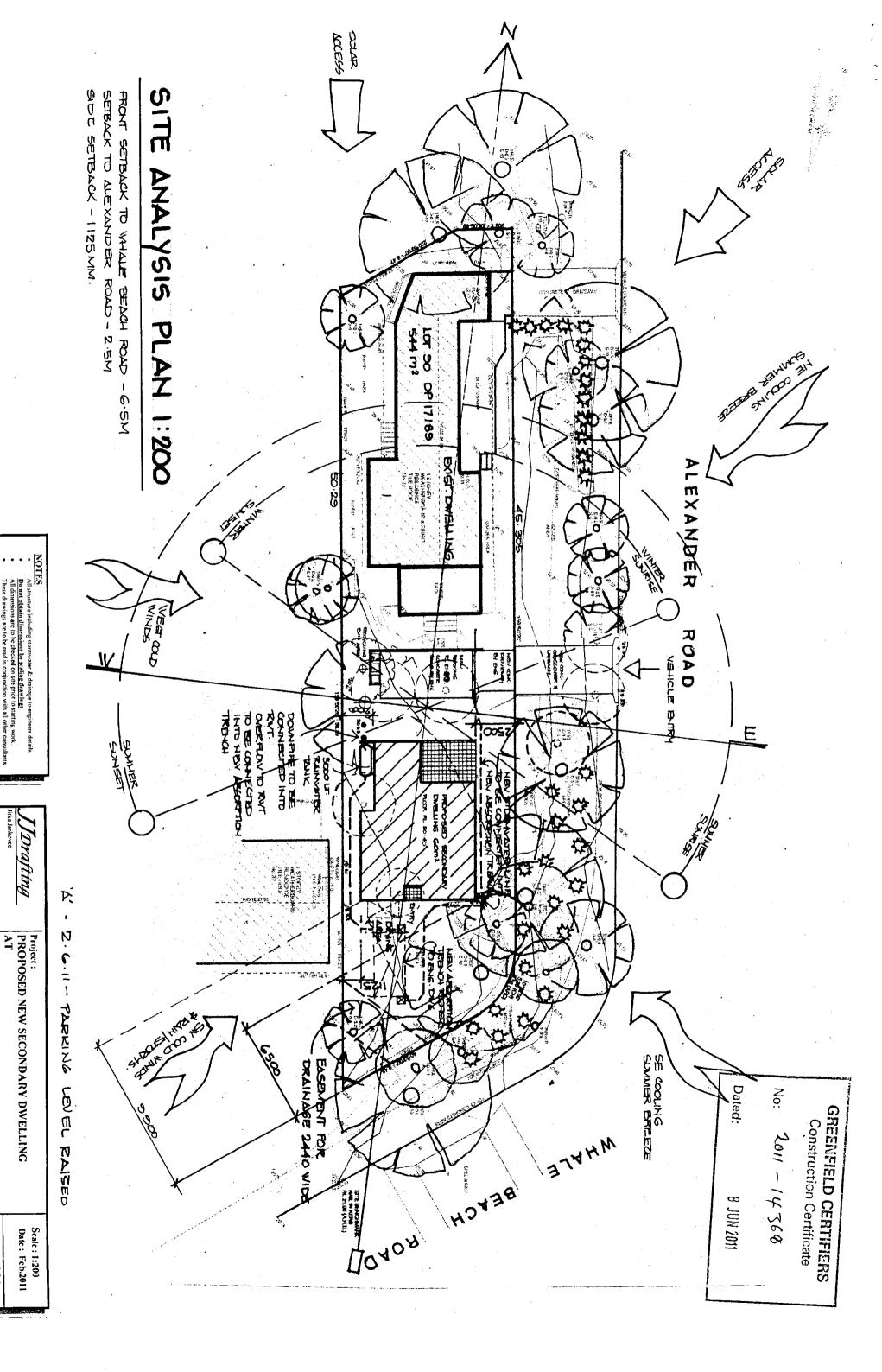
į			Exhaust lane without dampiers. No	Ongoin	Subfloor ventilation On ground
z	Wall and ceiling yents.	ž	Seels to windows and doors:	Standard	Cross ventilation:
_	Vented downlights:	8	Slair open to heated areas	Unvertilated	Roof ventilation
heate 1	Open fire or unflued gas heate. No	No	Living areas separated by doors: No	Suburban	en ain calegory
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Eaves (width - Inc. guillers, height above windows). Verendens, Pergolas (type, description) is not talens.

34 WHALE BEACH ROAD, AVALON O **OT 90** ROPOSED SECONDARY DWELLING DP 17189



M - 0414 717 541 Phone: 9979 9286 Email - jidraff@tpy.com.su



rdance with the requirement the relevant SAA Codes of

62/2 Forest Rd. Warriewood, NSW 2102

1Drafting

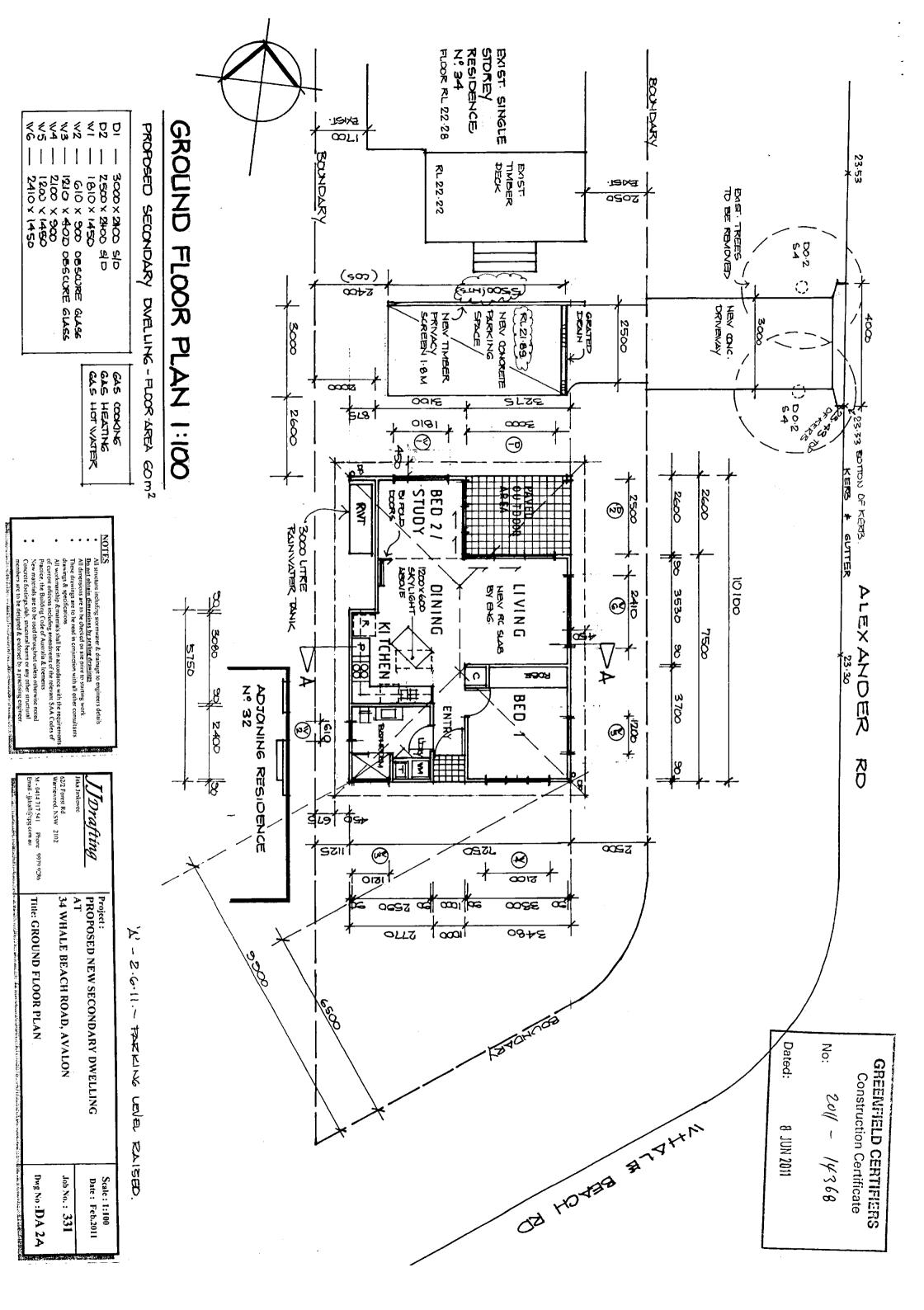
M - 0414 717 541 Phone: 9979 9286 Email - jjdrafi@ipy com au

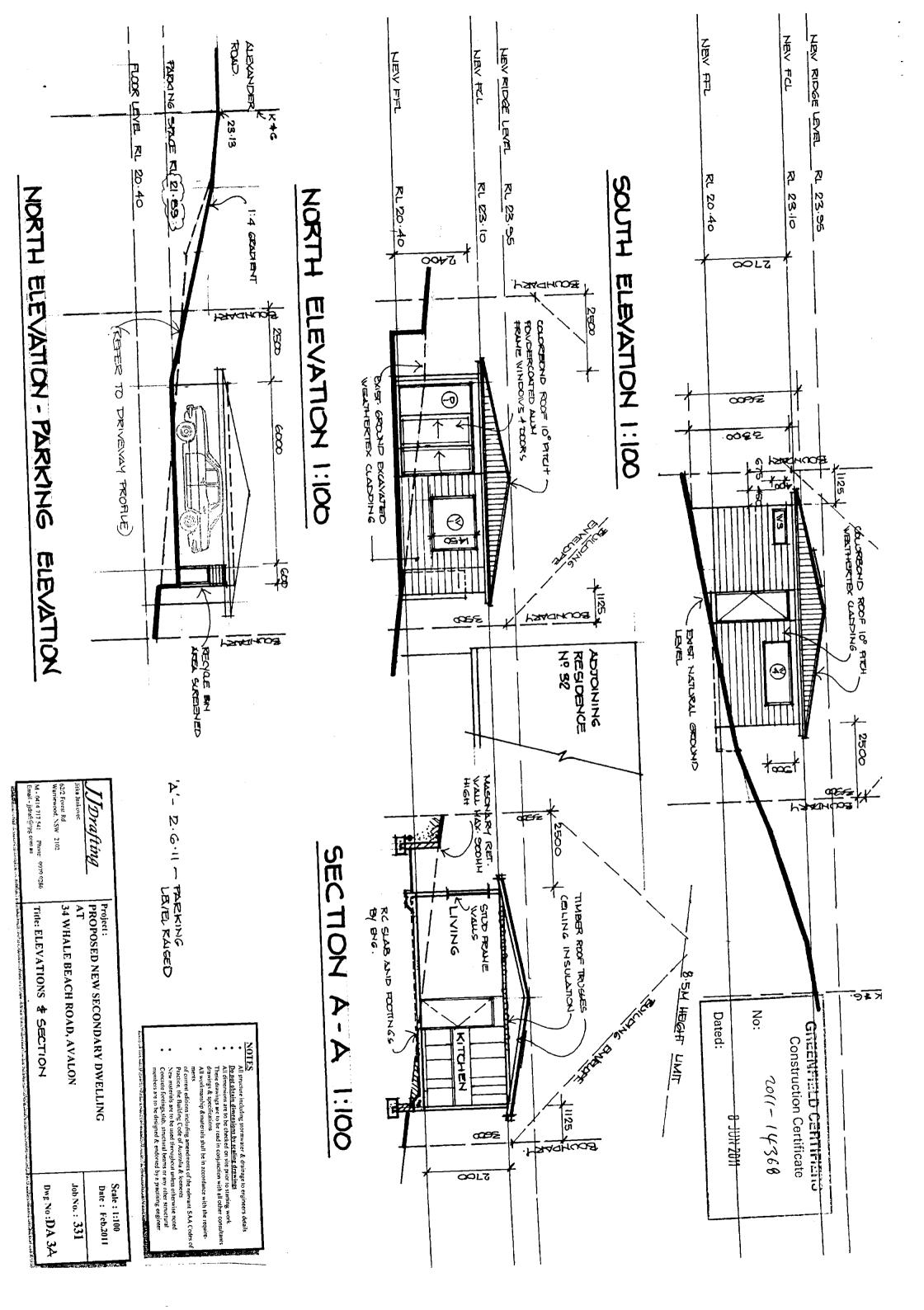
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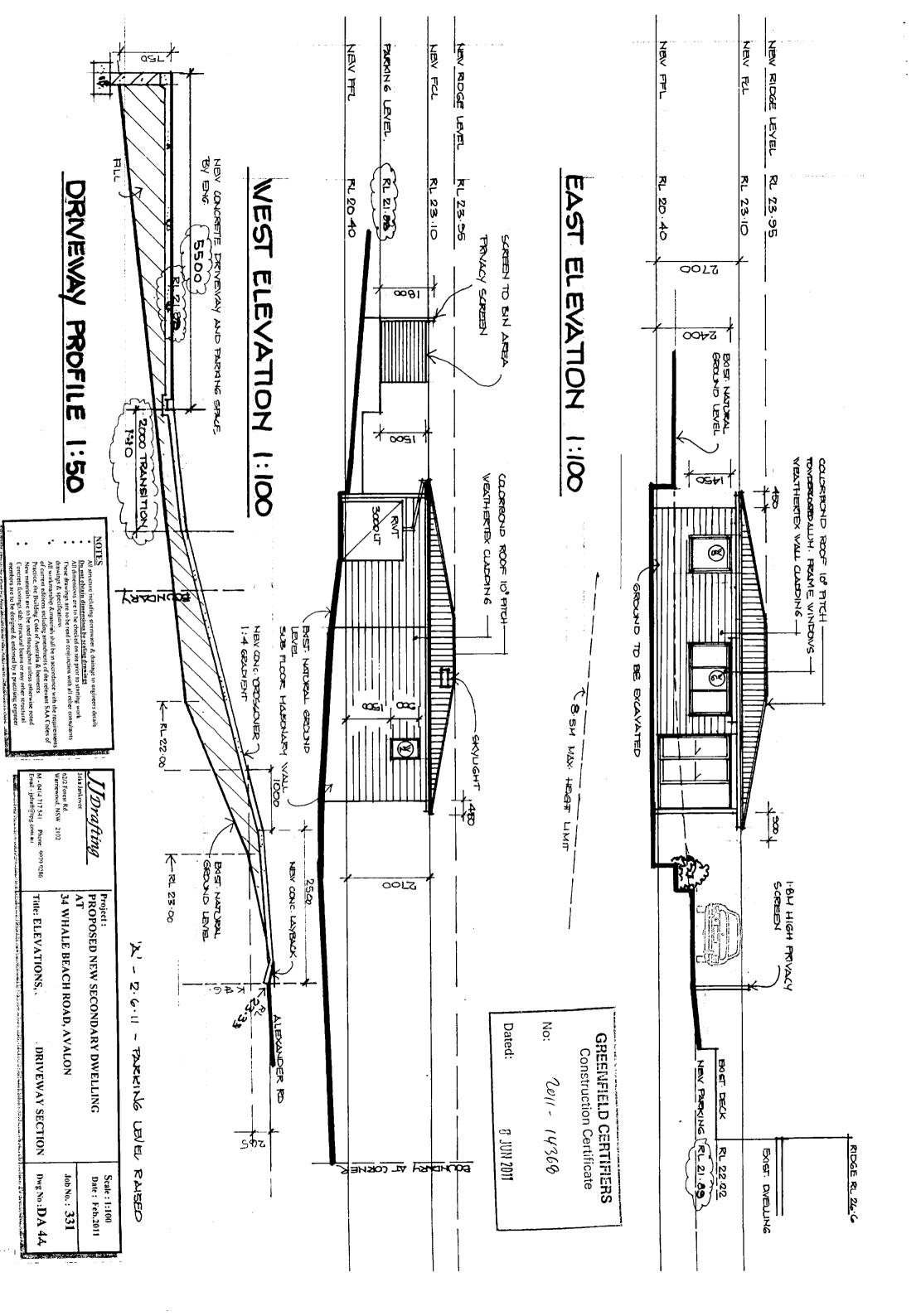
34 WHALE BEACH ROAD, AVALON

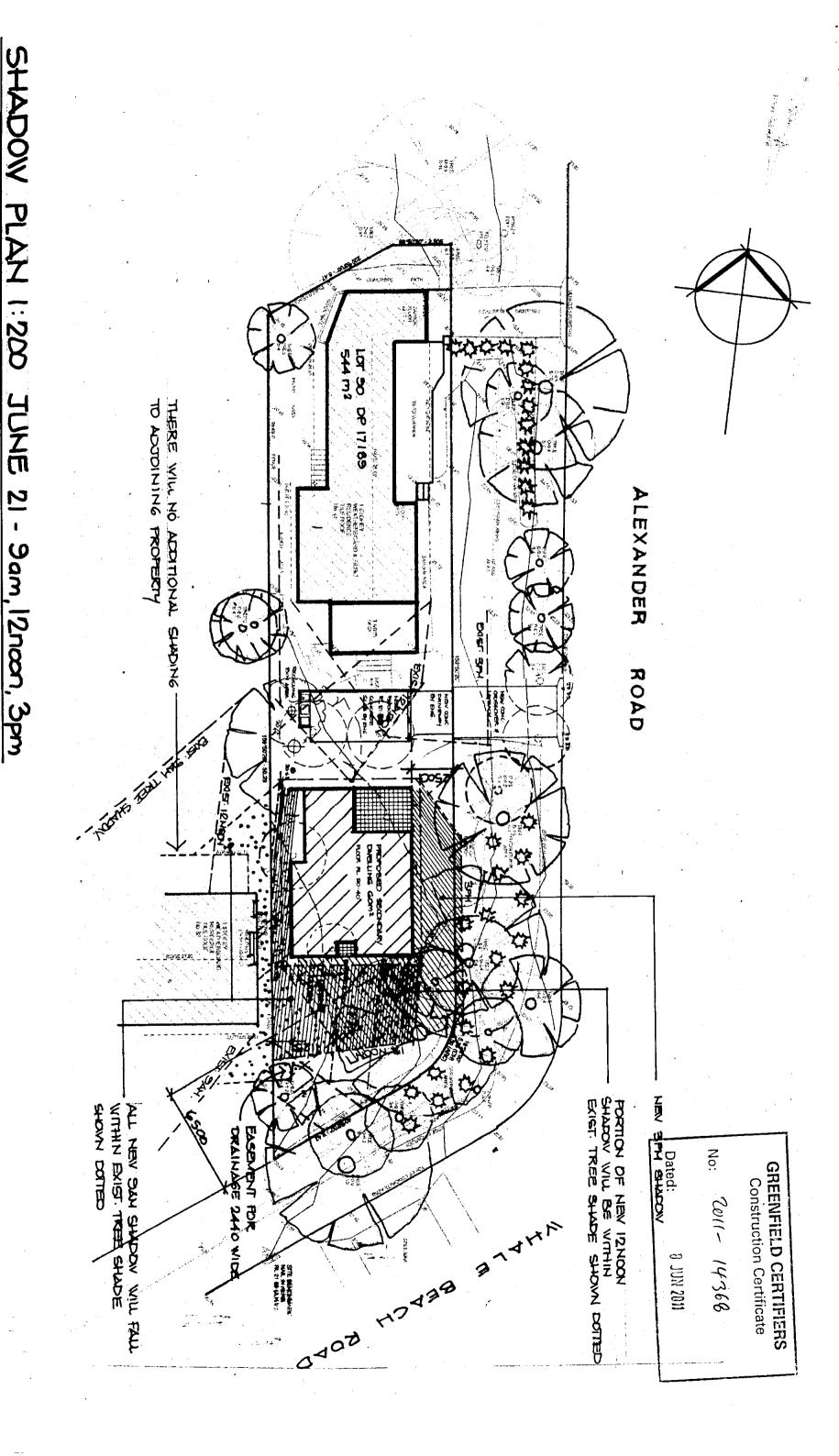
Job No. : 331

Dwg No :DA 1 A









62/2 Forest Rd. Warriewood, NSW 2102

Title: SHADOW PLAN

Dwg No : DA 5 A

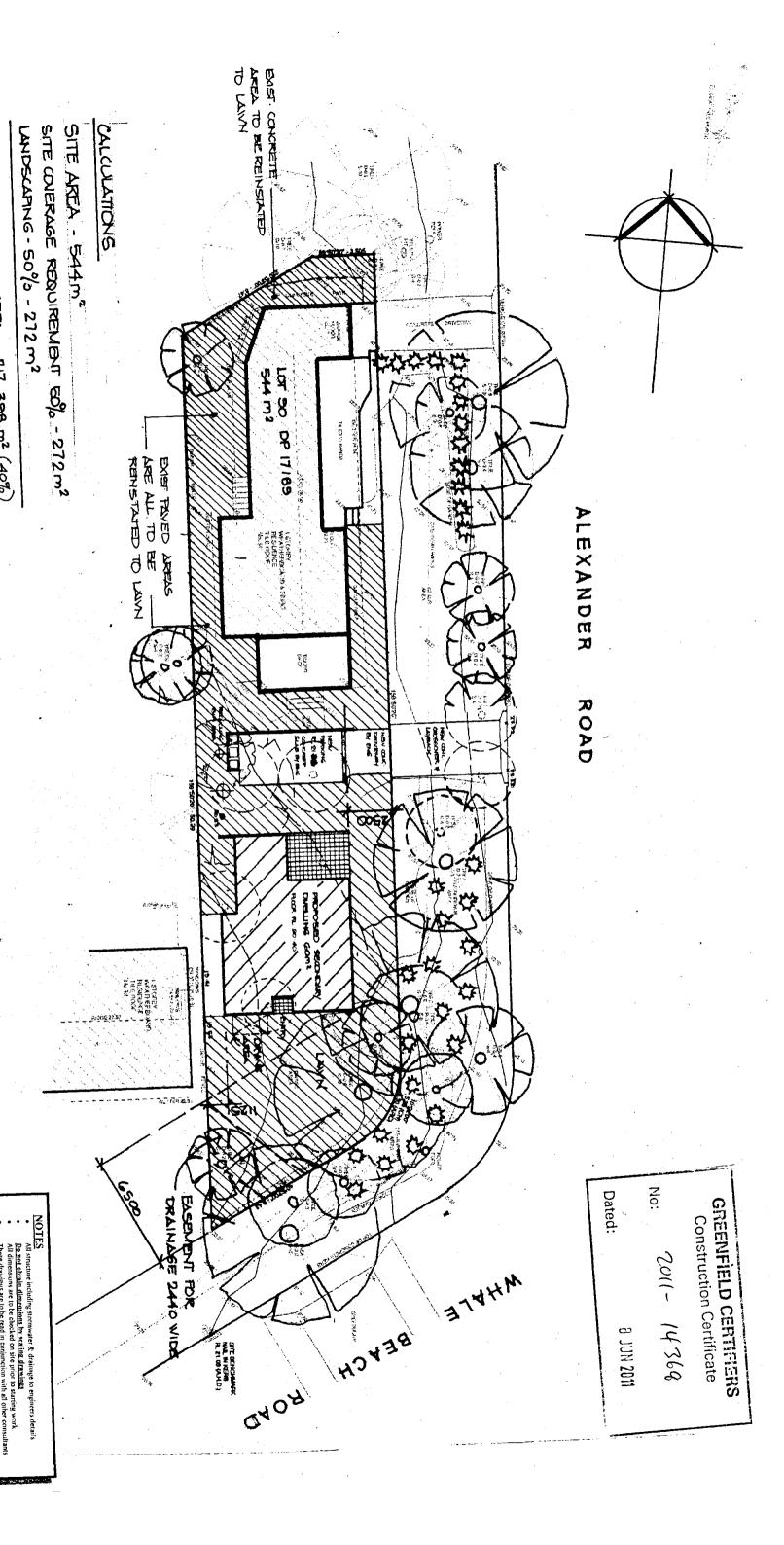
Job No.: 331

Scale: 1:200 Date: Feb.2011

34 WHALE BEACH ROAD, AVALON

Project:
PROPOSED NEW SECONDARY DWELLING

14-2.6-11-PARKING LEVEL RAISED



SITE COVERAGE CALCUI

PRIVATE OPEN : SPACE - NEW DWELLING - 143.585m2 PROPOSED HEW LANDSCAPING - 279.83 m² ENST. HARD SUXHACE AREAS REINSTAITED TO LAWN - 73 0355 m2

FROMOSED NEW ADDITIONAL HARD SURFACE - 55'2m2

OF NEW HARD SAFACE - 239. 5625 m2 - 43.6%

51.4%)

- INCLUDES REINSTATED PANED AREAS TO LAWN

(COMPLIES) AN ADDITIONAL 22.1645 m2 (3.6%)

Il dimensions are to be checked on site prior to starting work, hese drawings are to be read in conjunction with all other consultants

tip &materials shall be in accordance with the requirements tons including amendments of the relevant SAA Codes of

ice. the Building Cote of Australia & Joements materials are to be used throughout upless otherwise noted rete factings, slab, structural beams or any other structural rete factings, slab, structural beams or any other structural rete factings are to be designed & endorsed by a practising engineer.

ATION PLAN 1:200

A - 2.6.11 - PARKING LEVEL

52/2 Forest Rd Warriewood, NSW 2102

IDrafting

Project: PROPOSED NEW

SECONDARY DWELLING

34 WHALE BEACH ROAD, AVALON

Job No. : 331

Dwg No :DA 6A

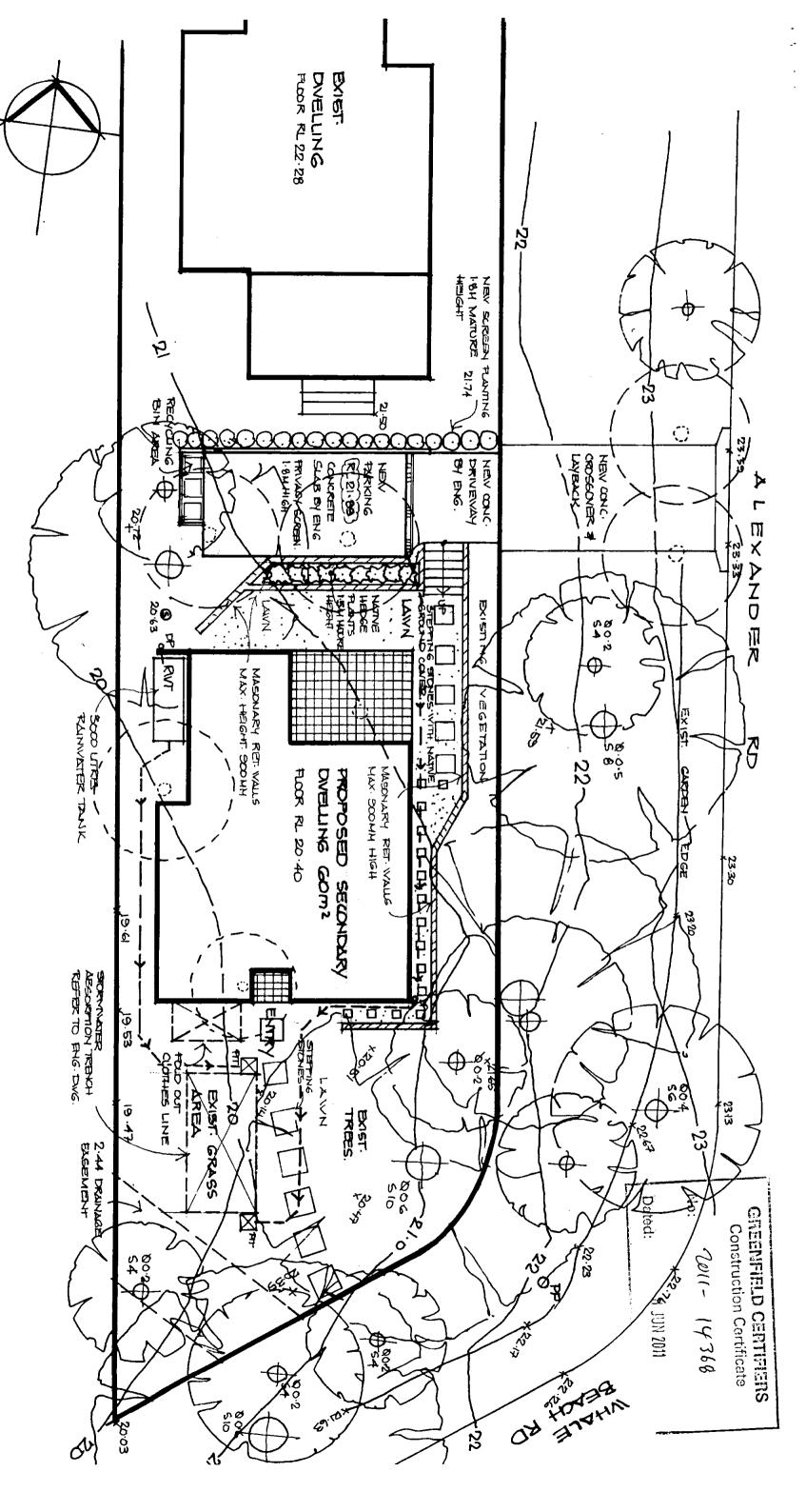
Scale: 1:200 Date: Feb.2011

Title: SITE COVERAGE CALCULATION PLAN

RMSED

ENST: DWELLING- 168-63 m2

EMST HARD SURFACE AREA - 217.398 m² (40%)



LANDSCAPE CONCEPT PLAN 1:100

ship &materials shall be in accordance with the requirements strions including amendments of the relevant SAA Codes of

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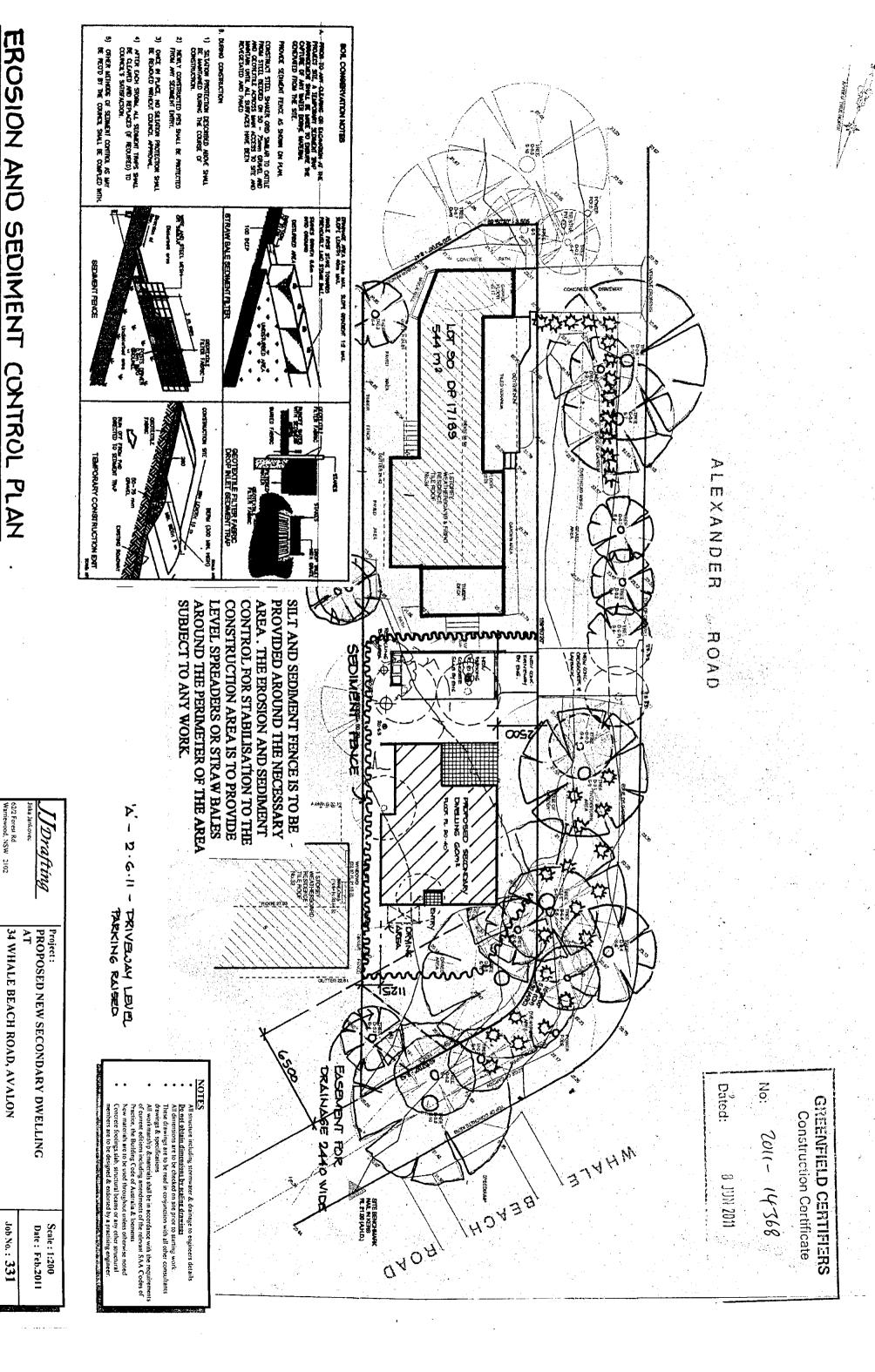
62/2 Forest Rd. Warriewood, NSW 2102 १ - 0414 717 541 Phone: mail - jjdraft@tpg.com.au

Title: LANDSCAPED 34 WHALE BEACH CONCEPT PLAN ROAD, AVALON

À'-2.6

II - PARKING LEVEL RAIGHD

Project:
PROPOSED NEW SECONDARY DWELLING
AT Scale: 1:200 Date: Feb.2011 Dwg No : DA 7A Job No. : 331



ail - jjdraft@tpg com au

9979 9286

Title: SEDIMENT & EROSION CONTROL PLAN

Dwg No :DA 8A

2102