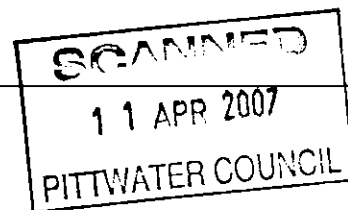


Construction Certificate Determination

issued under the Environmental
Planning and Assessment Act 1979
Section 109C (1) (b), 81A (2) and 81A (4)

Certificate No. 2007/1989

Council	Pittwater
Determination date of issue	Approved 5 April 2007
Subject land Address Lot No, DP No.	91 Florence Terrace, Scotland Island Lot 73 DP 1045610
Applicant Name Address Contact No. (phone)	Ms J Murray PO Box 404, Church Point NSW 2105 9979 2121
Owner Name Address Contact No. (phone)	Ms Jan Murray 91 Florence Terrace, Scotland Island NSW 2105 9979 2121
Description of Development Type of Work	Jetty, ramp & pontoon
Builder or Owner/Builder Name	Gordon Thompson
Value of Work Building	\$39,000.00



Attachments

- Copy of completed Construction Certificate Application Form
- Pittwater Council receipt no.212411 for payment of Long service Levy

**COUNCIL
COPY**

R/- 213562
\$30.00
10/04/07

Suite 13/90 Mona Vale Road Mona Vale NSW 2103 PO Box 326 Mona Vale NSW 1660 ph: 9999 0003 fax: 9979 1555

email: info@insightcert.com.au ABN 54 115 090 456

Plans & Specifications certified

The development is to be carried out in compliance with the following plans and documentation listed below and endorsed with *Insight Building Certifiers* stamp.

- Architectural Plans & Construction Specifications, reference no. A1 M6888 (M4894), prepared by Michael Blakeney Architect, dated January 2006
- Structural Details, reference no. 22993-C1, prepared by Jack Hodgson Consultants Pty Ltd, dated 22 March 2007
- Completed Form 2 of the Geotechnical Risk Management Policy for Pittwater, dated

Certificate

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

- The relevant provisions of the Building Code of Australia
- The relevant conditions of this Development Consent

and that work completed in accordance with the documentation accompanying the application for this Certificate (and any modifications as verified by me and shown on that documentation) will comply with the requirements of the Environmental Planning & Assessment Regulation referred to in Section 81A(5) of the Environmental Planning & Assessment Act, 1979.

Signed



-5 APR 2007

Date of endorsement
Certificate No.

2007/1989

Certifying Authority

Name of Accredited Certifier
Accreditation No.
Accreditation Authority
Contact No.
Address

Stephen Pinn
BPB0326
Building Professionals Board
(02) 9999 0003
13/90 Mona Vale Road, Mona Vale NSW 2103

Development Consent

Development Application No.
Date of Determination

N0047/06
1 December 2006

BCA Classification

10b



APPLICATION FOR A CONSTRUCTION CERTIFICATE

1. Applicant's details

It is important that we are able to contact you if we need more information. Please give us as much details as possible

Mr ☐ Mrs ☐ Ms ☒ Dr ☐

Other

Given Names (or ACN)

Family Name (or Company)

JAN

MURRAY

Postal Address (we will post all mail to this address)

PO BOX 404

CHURCH POINT

Post Code 2105

Daytime telephone

Alternate no.

Mobile no.

9979 2121

—

0408 689 733

2. Owner's consent

Every owner of the land must sign this form. If the owner is a company the form must be signed by an authorized director and the common seal must be stamped on this form. If the property is a unit under the strata title or a lot in a community title, then in addition to the owner's signature, the common seal of the body corporate must be stamped on this form over the signature of the owner and signed by the Chairman or Secretary of the Body Corporate or the appointed managing agent.

Owner(s)

Jan Murray

Address

91 Florence Terrace
Scotland Island

As owner(s) of the land to which this application relates, I/We consent to this application. I/We also consent for the Principal Certifying Authority and/or Accredited Certifier to enter the land to carry out inspections relating to this application.

Signature(s)

Jan Murray

Without the owner's consent we will not accept the application. This is a very strict requirement for all applications. If you are signing on the owner's behalf as the owner's legal representative, you must state the nature of your legal authority and attach documentary evidence (eg, power of attorney, executor, trustee, company director, etc).

3. Location of property

Unit/Street no.

Street name

91

FLORENCE

Suburb

SCOTLAND ISLAND

Post code

2105

Legal Property Description (these details are shown on your rate notices, property deeds, etc)

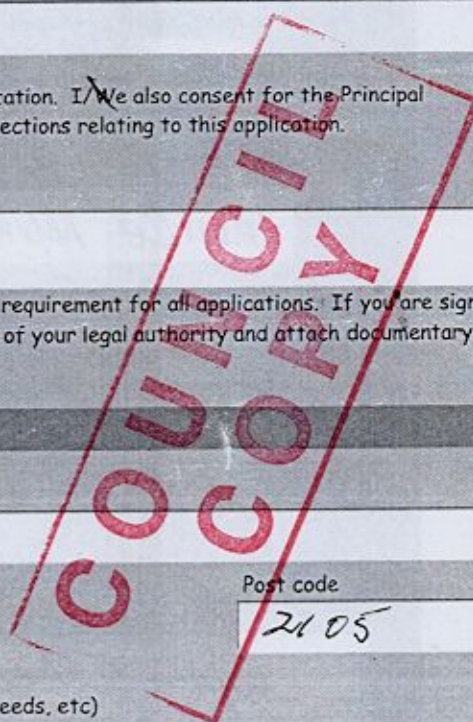
Lot no.

DP no.

73

1045610

Pittwater Rates Property # 60097



4. Description of work

What type of work do you propose to carry out?

Please describe briefly everything that you want approved.

JETTY CONSTRUCTION AS PER D.A.

5. Estimated cost of work

The estimated cost of the development or contract price may be subject to review

Estimated cost of work

\$39,000.00

6. Development Consent

Council Consent no.

N0047/06

Date of Determination

1st Dec. 2006

7. Building Code of Australia classification

This can be found on the development consent

BCA Classification

10b

8. Builder's details

If known, to be completed in the case of residential building work

Name

JANICE MURRAY

License no.

n/a.

Owner/builder permit no.

9. Applicant's declaration

I apply for a Construction Certificate to carry out building works as described in this application. I declare that all the information in this application and checklist is, to the best of my knowledge, true and correct.

Signature

Jan Murray

Date

8.3.07

SUBMISSION REQUIREMENTS

A. GENERAL

Are the plans submitted with the Construction Certificate Application in accordance with the Development Consent?

Yes ☒ No ☐

Have all the conditions of Development Consent relating to the issue of the Construction Certificate been fully complied with?

Yes ☒ No ☐

If you have answered NO to either of the above questions, then you will need to speak with the Accredited Certifier BEFORE LODGING YOUR APPLICATION.

B. ALL PROPOSALS (has the following required information been submitted?)

Yes	No	Not Applicable
-----	----	----------------

☒	☐	☐
☒	☐	☐

In the case of an application for a Construction Certificate for building work:

Three (3) copies of detailed architectural plans and specifications

The plan for the building must consist of a general plan drawn to a scale not less than 1:100 and a site plan drawn to a scale not less than 1:200. The general plan of the building is to:

- show a plan of each floor section
- show a plan of each elevation of the building
- show the levels of the lowest floor and of any yard or unbuilt on area belonging to that floor and the levels of the adjacent ground
- indicate the height, design, and full construction details
- indicate the provision for fire safety and fire resistance (if any)

Where the proposed building work involves any alteration or addition to, or rebuilding of, an existing building, all copies of the general plan are to be coloured or otherwise marked to the satisfaction of the Council to adequately distinguish the proposed alteration, addition or rebuilding with a separate letter listing the proposed changes being submitted.

3 copies of a specification:

- to describe the construction and materials of which the building is to be built and the method of drainage, sewerage and water supply
- state whether the materials proposed to be used are new or second hand and give particular

Where the proposed building work involves a modification to previously approved plans and specifications the general plans must be coloured or otherwise marked to the satisfaction of the Accredited Certifier to adequately distinguish the modification.

If the proposed building work involves a modification to previously approved plans and specification which were subject of a Development Consent, has the original Development Consent been modified by Council?

Except in the case of an application for, or in respect of domestic building work:

- a list of any fire safety measures that are proposed to be implemented in the building or on the land on which the building is situated, and
- if the application relates to a proposal to carry out any alteration or rebuilding of, or addition to, an existing building, a separate list of such of those measures as are currently implemented in the building or on the land on which the building is situated. This list must specify the standard of design of each of those fire safety measures to which they were originally installed.
- This list must describe the extent, capability and basis of design of each of the measures concerned.

Copy of BASIX Certificate & Report.

All other documentation to satisfy conditions of Development Consent.

HOME BUILDING ACT 1989 (as amended) OWNER/BUILDER REQUIREMENTS

Applicants for work at a residential property with a value of work over \$12,000 require insurance as specified in the Home Building Act 1989.

Owner Builders require Property Owner Builder's Permit issued by the Department of Fair Trading for all projects over \$5,000. In addition to this permit all projects valued in excess of \$12,000 may also require a contract of insurance under the provisions of the Home Building Act 1989 as amended. This requirement will take effect should the property owner offer the property for sale in the ensuing period of 7 years.

Enquiries on any matters relevant to this section should be taken up with the Department of Fair Trading at Level 21, Astra House, 227 Elizabeth Street, Sydney (ph: 133220).

LONG SERVICE LEVY (applies to all classes of buildings)

A Long Service Levy at 0.35% of the cost of works is payable on projects valued \$25,000 or more. This sum can be paid directly to the Long Service Payments Corporation or to Council acting as an agent to the Corporation. Partial exemption from the levy may be granted to non profit organizations, churches and to owner/builders. The levy may also be paid in instalments. Application forms for these exemptions are available from Council but all enquiries in this regard should be address to the Long Service Payments Corporation.

THE CONSTRUCTION CERTIFICATION CANNOT BE ISSUED UNLESS THE LONG SERVICE LEVY AND HOME BUILDING ACT 1989 INSURANCE (APPLICABLE TO RESIDENTIAL PROPERTIES) HAVE BEEN PAID, OR EVIDENCE OF THE EXEMPTION PROVIDED TO COUNCIL.

PARTICULARS OF THE PROPOSAL

What is the area of the land (m ²)?	Gross floor area of building (m ²) as proposed: <i>only</i>
What are the current uses of all or parts of the building(s)/land?	Location: Use:
Does the site contain a dual occupancy?	What is the gross floor area of the proposed addition or new building (sq metres)?
What are the proposed uses of all parts of the building(s) land?	Number of pre-existing dwellings:
Number of dwellings to be demolished:	How many dwellings proposed?
How many storeys will the building consist of?	Will the new building be attached to the existing building? Will the new building be attached to any new building?

MATERIALS TO BE USED

The following information must be supplied for the Australian Bureau of Statistics:

Place a tick (✓) in the box which best describes the materials the new work will be constructed of:

WALLS		FLOOR		ROOF		FRAME	
Brick veneer	☐	Concrete	☐	Aluminium	☐	Timber	☐
Full brick	☐	Timber	☐	Concrete		Steel	☐
Single brick	☐	Other	☐	Concrete tile	☐	Other	☐
Concrete block	☐	Unknown	☐	Fibrous cement	☐	Unknown	☐
Concrete/masonry	☐			Fibreglass	☐		
Concrete	☐			Masonry/terracotta shingle	☐		
Steel	☐			Tiles	☐		
Fibrous cement	☐			Slate	☐		
Hardiplank	☐			Steel	☐		
Timber/weatherboard	☐			Terracotta tile	☐		
Cladding-aluminium	☐			Other	☐		
Curtain glass	☐			Unknown	☐		
Other	☐						
Unknown	☐						

*FINEST HARDWOOD TIMBERS
(KWILKA)*

Pittwater Council

OFFICIAL RECEIPT

12/03/2007 Receipt No 212411

To JAN MURRAY.

PO BOX 404
CHURCHPOINT

Applic Reference	Amount
SL Re GLSL-Buil 1 X N0047/06	\$140.00

Total: \$140.00

Amounts Tendered

Cash	\$0.00
Cheque	\$140.00
Db/Dr Card	\$0.00
Money Order	\$0.00
Agency Rec	\$0.00
Total	\$140.00
Rounding	\$0.00
Change	\$0.00
Nett	\$140.00

Printed 12/03/2007 4:44:18

Cashier MPorte

LEVY PAYMENT FORM

FORM NO.

OFFICE USE ONLY

PLEASE PRINT ALL DETAILS USING CAPITALS

212411
20307
140

BRAD
ICE BEATRICE
BOK 404 CHURCH POINT
Postcode 2105 Bus. hours phone 0299792121

FLORENCE TRC
T LAND ISLAND
Postcode 2105
03 Y 2007 Estimated finish date D 20 M 04 Y 2007

PITWATER COUNCIL
47106
40,000.00 Levy payable \$ 140.00

Provide DA number here
Date D 12 M 03 Y 2007
-Louise Porter Business hours phone 0299701111

Contract amount \$ 0.00

Contact person (Print) Phone number
Contact person (Signature) Date D M Y

Any false or misleading information provided on this form may result in prosecution under Section 58A.
I hereby declare that the information provided on this form is true and correct to the best of my knowledge

Name JAN MURRAY Signature Jan Murray Date D 12 M 03 Y 2007

Exemption Approval Certificate No.

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

Development Application for _____
Name of Applicant
Address of site <u>91 FLORENCE TERRACE SCOTLAND ISLAND</u>

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

I, J Hodgson on behalf of Jack Hodgson Consultants Pty Ltd
(insert name) (trading or company name)

on this the 2ND APRIL, 2007
(date)

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

Geotechnical Report Details: RISK MANAGEMENT REPORT FOR PROPOSED JETTY AT 91 FLORENCE TERRACE, SCOTLAND ISLAND
Report Date: 4 TH OCTOBER, 2005
Author: JACK HODGSON

Structural Documents list:
DETAIL & MARKING PLAN FOR PROPOSE JETTY DRAWING NO 22993-C1

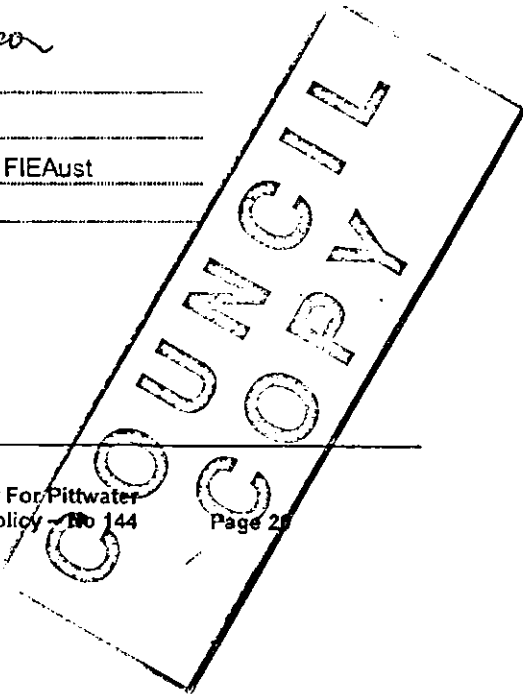
I am also aware that Pittwater Council relies on the processes covered by the Geotechnical Risk Management Policy, including this certification as the basis for ensuring that the geotechnical risk management aspects of the proposed development have been adequately addressed to achieve an "Acceptable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

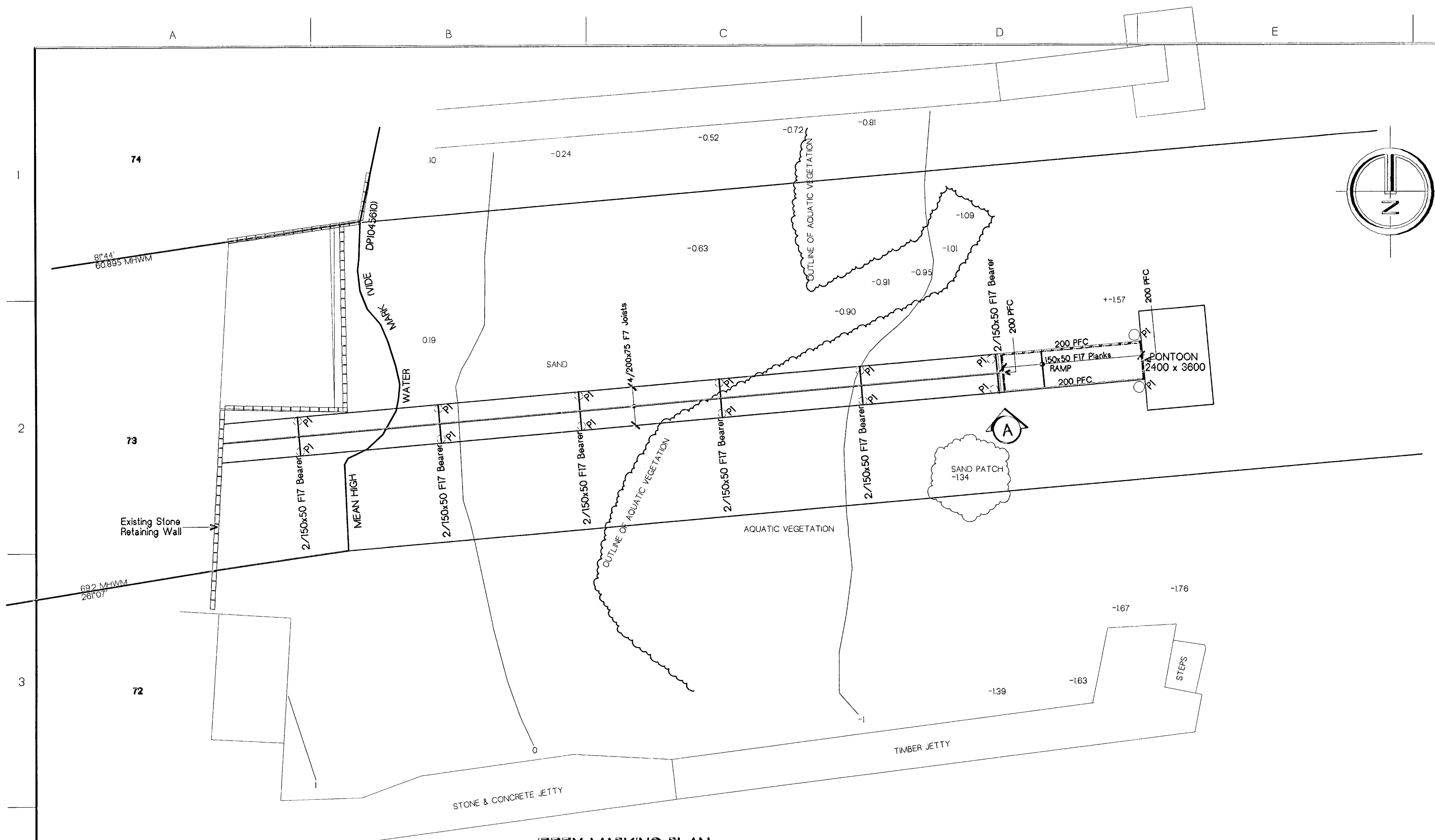
JACK HODGSON (name) J Hodgson (signature)

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

I prepared and/or technically verified the abovementioned Geotechnical Report as per Form 1 dated 4TH OCTOBER, 2005 and now certify that I have viewed the above listed structural documents prepared for the same development. I am satisfied that the recommendations given in the Geotechnical Report have been appropriate taken into account by the structural engineer in the preparation of these structural documents. I am aware that Pittwater Council relies on the processes covered by the Geotechnical Risk Management Policy, including this certification as the basis for ensuring that the geotechnical risk management aspects of the proposed development have been adequately addressed to achieve an "Acceptable Risk Management" level for the life of the structure taken as at least 100 years unless otherwise stated and justified. In the Report and that reasonable and practical measures have been identified to remove foreseeable risk.

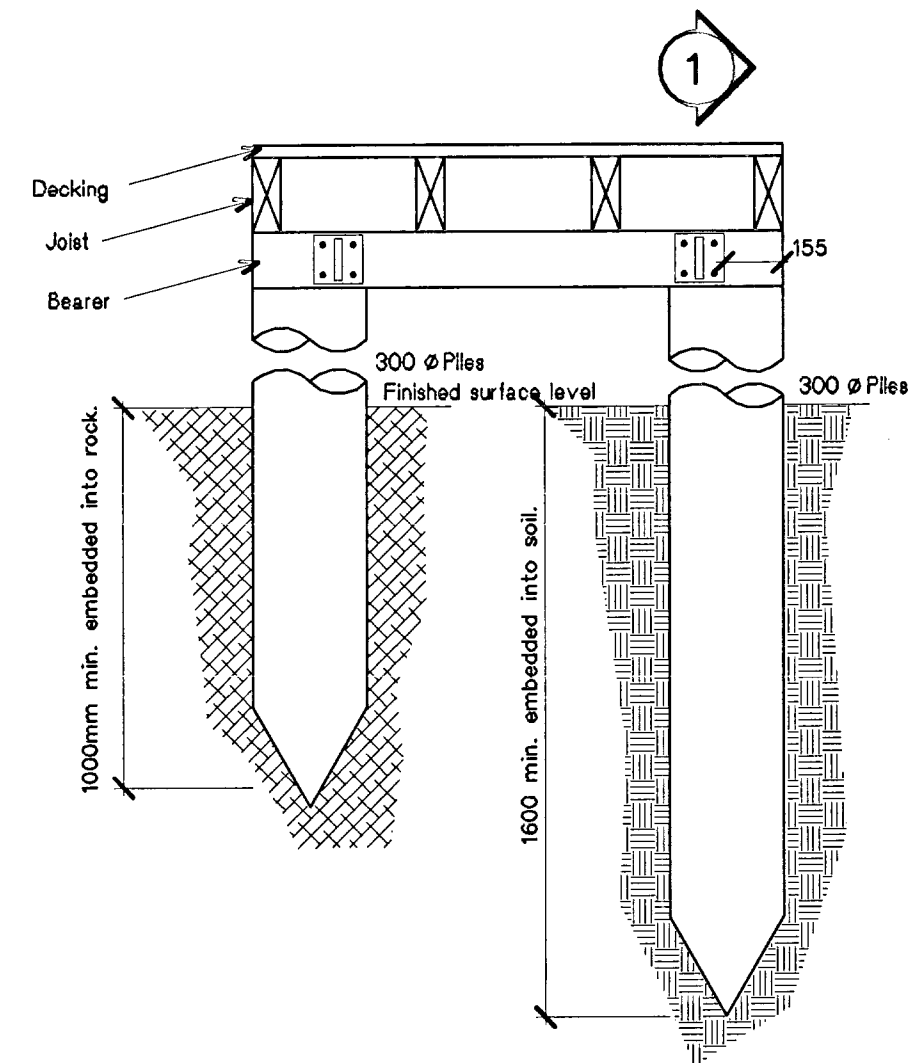
Signature J Hodgson
Name J HODGSON
Chartered Professional Status MEngSc FIEAust
Membership No. 149 788





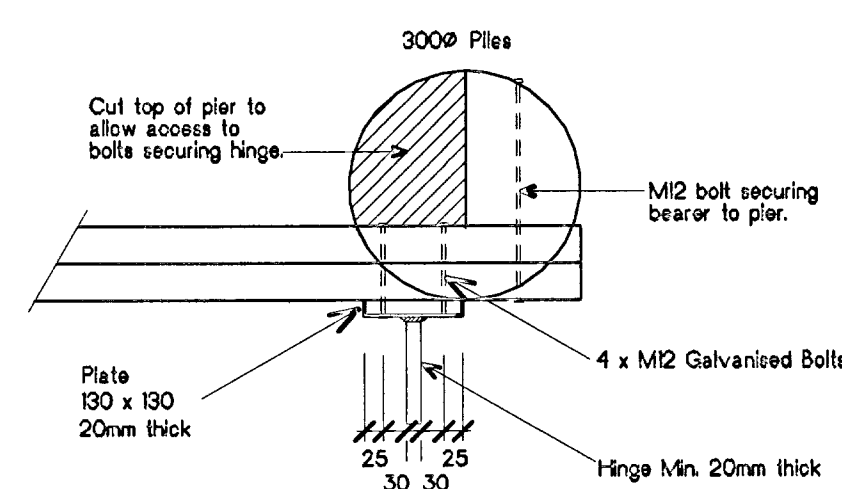
JETTY MARKING PLAN

Scale 1:100
PI Indicates 300Ø Piles
NOTE: Decking to be 150 x 35 F7



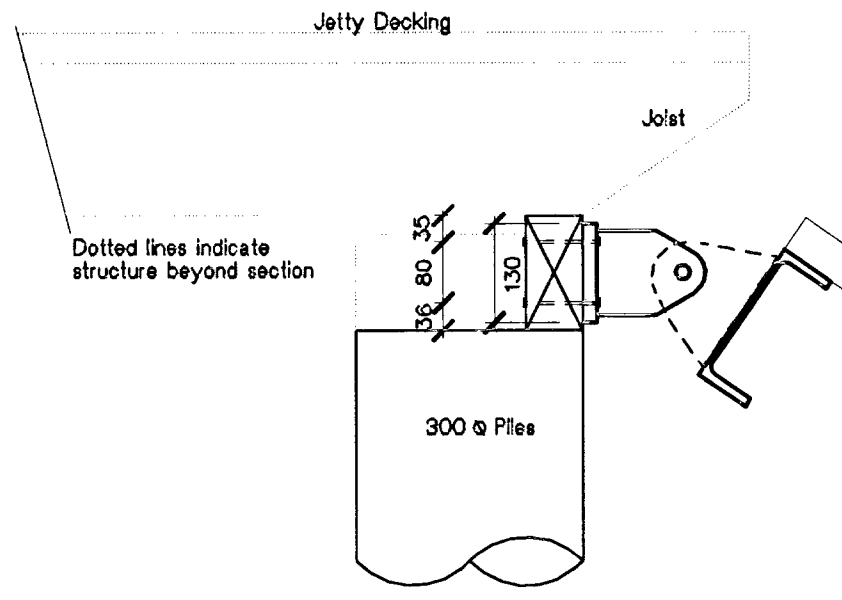
STUB JETTY/DOUBLE PILE HEADSTOCK/ BOLT DETAIL

Scale 1:20



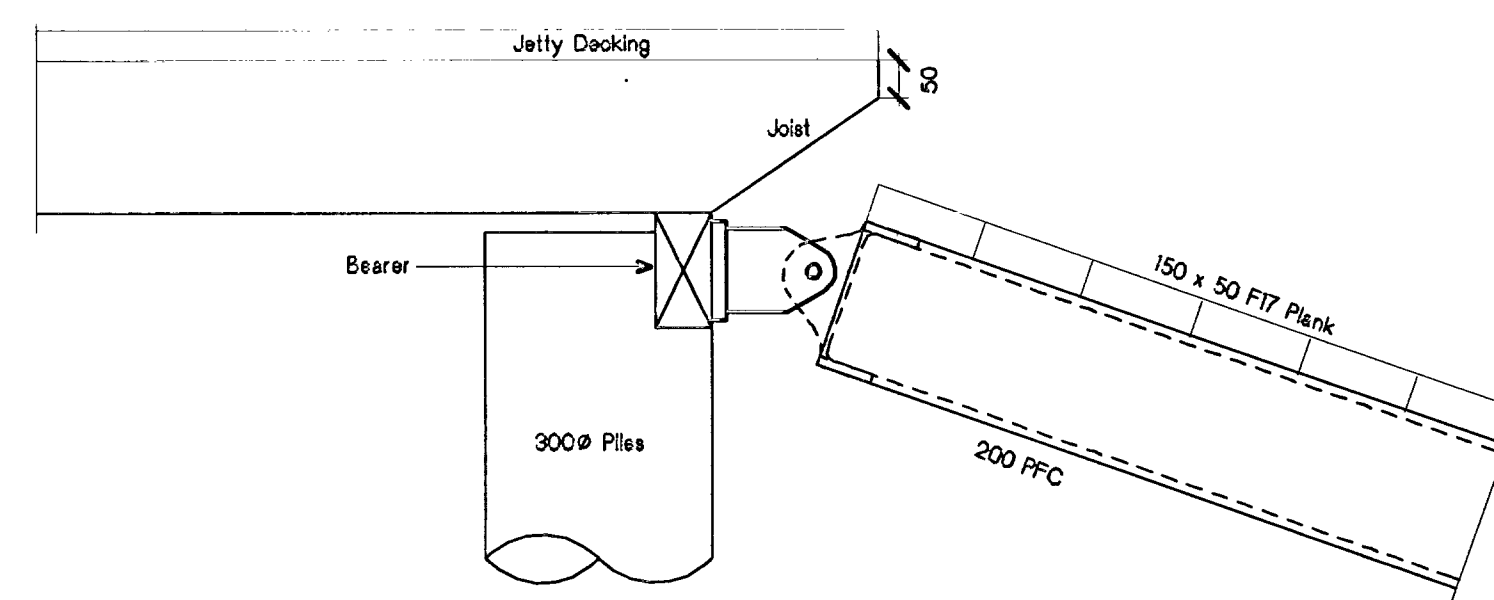
PLAN OF HINGE CONNECTION

Scale 1:10



SECTION 1

Scale 1:10



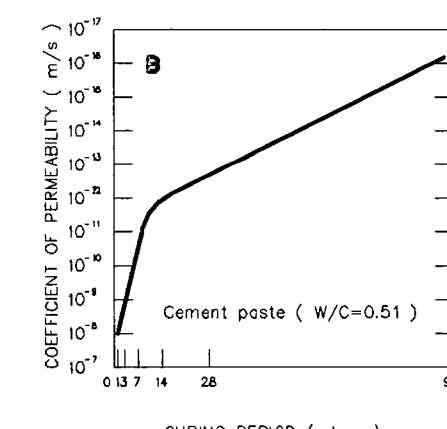
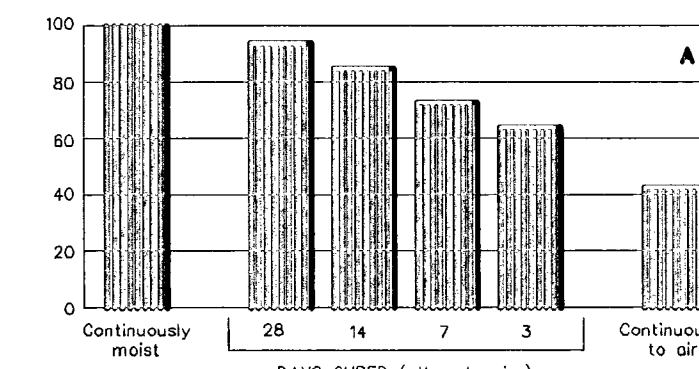
ELEVATION A

Scale 1:10

Note:
Fabricate hinge as necessary

IMPORTANCE OF CURING CONCRETE

COMPRESSIVE STRENGTH AT 180 DAYS
AS % OF CONTINUOUSLY MOIST CURED SAMPLE



Effect of curing duration on : (A) compressive strength; and (B) concrete permeability
Acknowledgement : Diagram is based on fig 1.2 of Guide to Concrete Repair & Protection (SAA/HB84/1996)

TIMBER NOTES :

- All work including bracing, wind bracing & tie down shall be carried out in accordance with AS 3680.1, AS 1684.2, AS 1720.1 and the specification.
- Refer to the Architects Drawings and the specification for all timber sizes not shown on these drawings.
- All timber shall be free of Gum veins, pockets, knots holes or splits within 255mm of any connection.
- Refer to specification for preservatives and finishes to timbers.
- All bolts, nuts, washers and timber connectors shall be hot dip galvanized unless noted otherwise.
- All F7 timber shown are nominal sizes only.

STEELWORK NOTES

- Fabricate and erect all structural steelwork in accordance with AS 3680.1, AS 4100, AS 1554 and the Specification.
- Do not obtain dimensions by scaling the structural elements.
- Chip all welds free of slag.
- All steelwork to be Hot Dipped Galvanized. Unless Otherwise Noted.
- Unless otherwise noted use:
 - a) 6mm continuous fillet weld
 - b) 10mm thick gusset, 1in and end plates, weld all round.
 - c) 16mm dia. 4.8's bolts
- Minimum end bearing 150mm.

CONCRETE NOTES

- All concrete work to be in accordance with AS 3600.
 - $F_c = 25MPa$ at 28 days
 - Maximum aggregate size = 20 for footings, slabs & beams.
= 10 for block filling.
 - Slump = 90.
 - All concrete, including block filling to be vibrated.
 - Slabs to be kept damp for at least 14 days after placing or to be protected by an approved curing membrane.
 - Bar Chairs to be no more than 800mm c/c to c/c spacing.
 - Reinforcing Steel to comply with AS/NZS 4671:2001, and to be D500N unless noted otherwise. (where 500 = strength grade in megapascals & N = Normal ductility class)
 - Steel Reinforcement to be cut & bent in accordance with AS 3600.
 - Reinforcement to be tied at every other intersection minimum.
 - Moisture Vapour Membrane to be 200 Microns thick.
 - UV Resistant and to be in accordance with AS 2670-1998.
- Acceptable manufacturers and processors of steel reinforcement must hold a valid certificate of approval, issued by the Australian Certification Authority for Reinforcing Steel Ltd (ACRS), or to an equivalent certification system as may be approved in writing by the specifier. Evidence of compliance with this clause must be obtained when the contract bids are received.

WARNING

No stamping of this plan by
Height Building Certifiers Pty Ltd shall be
allowed:
The applicant's responsibility to obtain
approval from Building Certifiers of all
plans.
The Structural Engineer's responsibility for the
accuracy of the plans.
The Applicant's responsibility for the
Professional of their response
ensuring these plans comply
consistent with the issue of
Certification to Architects and Builders.

PLAN OR DOCUMENT CERTIFICATION

I am a qualified...CIVIL, GEOTECHNICAL & STRUCTURAL ENGINEER...
I hold the following qualifications or licence No.....M.Eng.Sc.....
.....F.I.E.Aust.....Nper3.....Struct.Civil.No.149788.....
Further I am appropriately qualified to certify this component of the project.
I hereby state that these plans or details comply with the conditions of
development consent, the provisions of the Building Code of Australia.
A.S.1170, A.S.1170.1, A.S.1170.2, A.S.1684, A.S.2870.1, A.S.3500, A.S.3600
A.S. 3700, A.S.4100 & A.S.1163

Jack D. Hodgson 23/3/07
Name Date Signature

Unless this company carries out the inspections of all the
structural elements and approves them, NO responsibility will be
taken for the structural integrity of the completed work.

JETTY MARKING PLAN AND DETAILS

PROPOSED JETTY
91 FLORENCE TERRACE
SCOTLAND ISLAND
JAN MURRAY

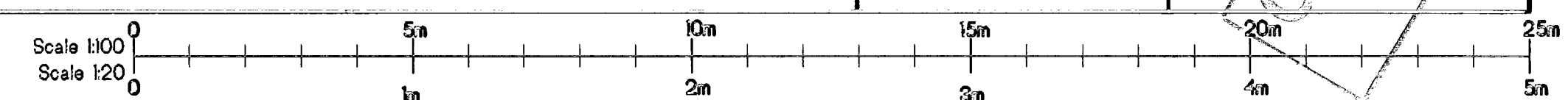
Our drawings are based on the information provided by:-
MBS GREEN & ASSOC'S. PTY. LTD.
Drawing No:- A1 M6888 (M4884) Date:- 12 JULY 2005

THE DETAILS SHOWN ON THIS DRAWING ARE NOT TO CHANGE
UNDER ANY CIRCUMSTANCE. NO CERTIFICATE WILL BE ISSUED
FOR WORK NOT IN ACCORDANCE WITH THIS DRAWING.

JACK HODGSON CONSULTANTS PTY. LIMITED.
Consulting Civil, Geotechnical, and Structural Engineers.
67 Darley Street, MORIA VALE 2103, P.O. Box 389, Post Code 1660.
Telephone (02) 9979 6733, Facsimile (02) 9979 6926.
Email: info@jackhodgson.com.au web: www.jackhodgson.com.au A.C.N. 053 405 017

Designed JDH Drawn LS Job No. Drawing No.
Design Check JDH Drawing Check SG
Date 22 MARCH 2007

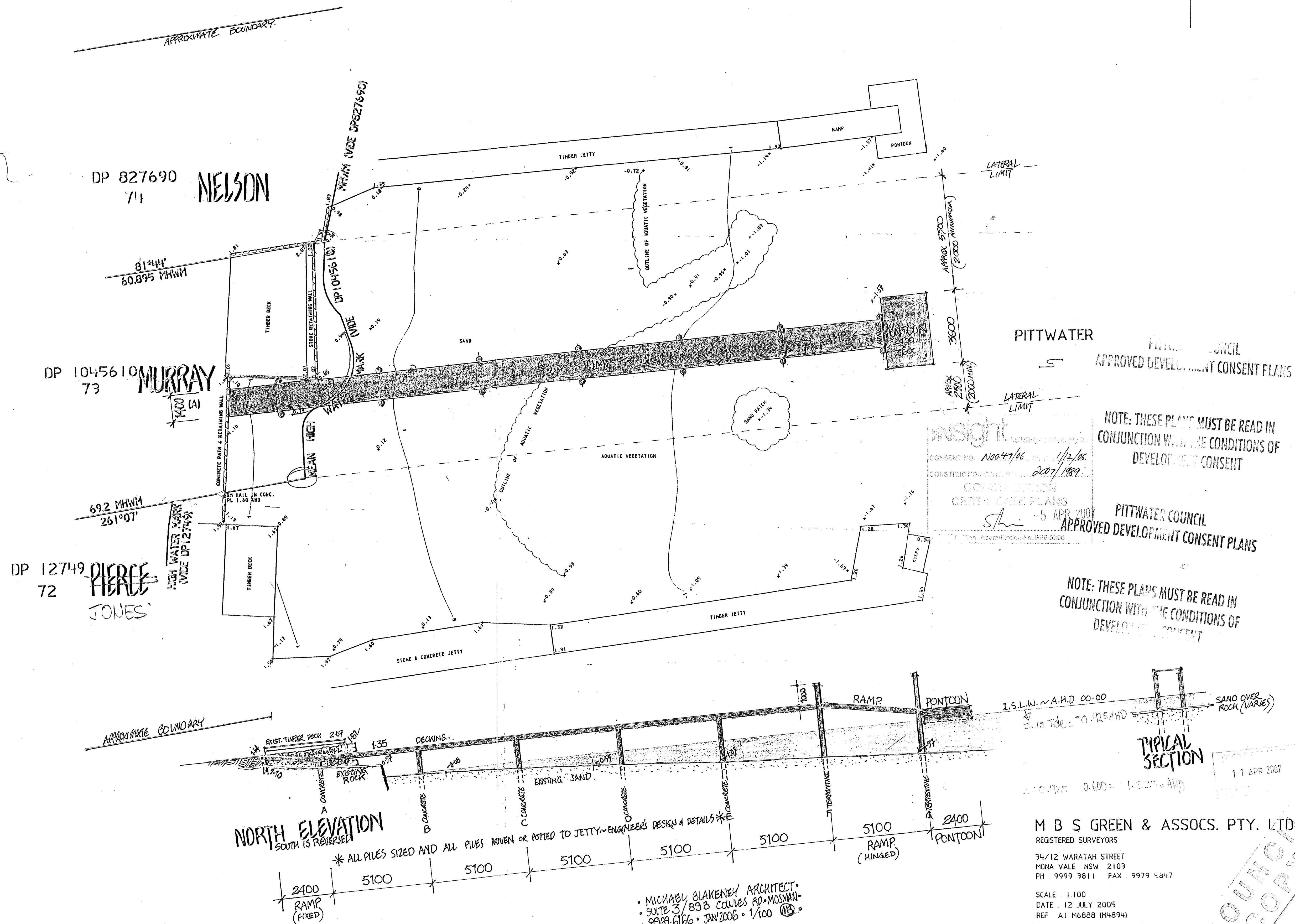
22993-C1



PLAN
SHOWING PARTIAL DETAIL & LEVELS
FOR PROPOSED JETTY
OVER PART OF No 91 FLORENCE TERRACE
SCOTLAND ISLAND
LGA OF PITTWATER

CLIENT: J. MURRAY
THIS PLAN AND THE INFORMATION IT CONTAINS ARE COPYRIGHT AND
REMAIN THE PROPERTY OF M B S GREEN & ASSOCIATES PTY LTD.
USE OF THIS PLAN AND INFORMATION CONTAINED THERE IN FOR ANY
PURPOSE BEYOND THAT INSTRUCTED BY THE CLIENT NAMED IS NOT PERMITTED
WITHOUT WRITTEN APPROVAL OF M B S GREEN & ASSOCIATES PTY LTD.
M B S GREEN & ASSOCIATES PTY LTD. GRANTS TO THE CLIENT NAMED
A LICENCE TO USE THE INFORMATION HEREON FOR THE INSTRUCTED
PURPOSE.

M M



- NOTES:
1. THIS PLAN DOES NOT INCLUDE SURVEY OF BOUNDARIES.
 2. BOUNDARY DIMENSIONS, AREA AND NORTH POINT FROM DP1045610.
 3. DETAIL CRITICAL TO DESIGN SHOULD BE CONFIRMED PRIOR TO THE COMMENCEMENT OF WORKS.
 4. LEVELS ARE ON AUSTRALIAN HEIGHT DATUM (AHD) ORIGIN OF LEVELS: SSM 14637 RL 1.304 AHD.
 5. CONTOURS ARE INDICATIVE ONLY OF TERRAIN SHAPE.
 6. UNDERGROUND SERVICES HAVE NOT BEEN INVESTIGATED. PRIOR TO ANY WORKS, EXCAVATION OR CONSTRUCTION ON THE SITE, THE RELEVANT AUTHORITY SHOULD BE CONTACTED FOR POSSIBLE LOCATION OF UNDERGROUND SERVICES AND DETAILED LOCATION OF ALL SERVICES.

* MICHAEL BLAKENEY ARCHITECT.
* SUITE 3/89B CONLES RD MOSMAN.
* 9969 6166 • JAN 2006 • 1/100 (1:100)

M B S GREEN & ASSOCS. PTY. LTD.
REGISTERED SURVEYORS
34/12 WARATAH STREET
MONA VALE NSW 2103
PH. 9999 3811 FAX 9979 5847
SCALE: 1:100
DATE: 12 JULY 2005
REF: A1 M6888 (M4894)

COUNCIL COPY