

Pittwater



LOCAL

Complying Development Certificate

yours locally

Sydney South West
Building 1 21 Elizabeth Street Cam
PO Box 3190 Narellan NSW 2567
DX 25822 Camden
p 02 4655 5811 f 02 4655 2411
web www.localgroup.com.au

CERTIFICATE NUMBER 8003672

Issued under the Environmental Planning and Assessment Act 1979

SUBJECT LAND	LOT 147 DP 224239 26 BUNGOONA STREET ELANORA HEIGHTS NSW 2101	RECEIVED 25 8 2011 PITTWATER COUNCIL
LAND USE ZONE	R2	
DATE OF CERTIFICATE LAPSE	25/8/16	
DESCRIPTION OF WORK	Swimming Pool	
LIMITATIONS &/OR EXCLUSIONS		
BUILDING CLASSIFICATION	10b	

The application for this Complying Development Certificate has been determined by **APPROVAL WITH CONDITIONS** in accordance with the procedures outlined in Clause 130 of the Environmental Planning and Assessment Regulation 2000. In making this determination, I certify that the development is Complying Development and (if carried out as specified in the certificate) will comply with all development standards applicable to the development and with such other requirements prescribed by this regulation concerning the issue of the certificate.

DOCUMENTS ACCOMPANYING THE APPLICATION	
PLANS ARCHITECTURAL PLANS SHEET 1 DATED 8/6/11	
SPECIFICATIONS	
OTHER DOCUMENTS APPLICATION FORM OWNERS CONSENT HOME OWNERS INSURANCE LONG SERVICE LEVY RECEIPT SYDNEY WATER APPROVAL 149 PLANNING CERTIFICATE STRUCTURAL DETAILS PREPARED BY SHOWERS ENGINEERING, SHEET 1 HARMONY , REV 0 DATED 7/9/09, JOB NO 09111	

FIRE SAFETY SCHEDULE ATTACHED	YES <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
CONDITIONS OF APPROVAL	YES <input checked="" type="checkbox"/>	

 Craig Hardy BPB0167	336 REC 308672 21/9/11	25/8/11 Date of Certificate
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Council Copy

Doc ID: 49843



LOCAL

Notice of Appointment as
Principal Certifying Authority

Issued under the Environmental Planning and Assessment Act 1979 (as amended)
& the Environmental Planning and Assessment Regulation 2000 (as amended)

COMPLYING DEVELOPMENT
CERTIFICATE NO

8003672

DATE OF COMPLYING
DEVELOPMENT CERTIFICATE

25/8/11

SUBJECT LAND

LOT 147
DP 224239
26 BUNGOONA STREET
ELANORA HEIGHTS
NSW 2101

DESCRIPTION OF WORK

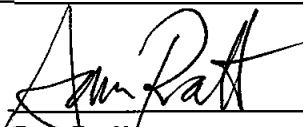
SWIMMING POOL

DETAILS OF OWNER RESPONSIBLE
FOR APPOINTING THE PRINCIPAL
CERTIFYING AUTHORITY (PCA)

Mr Charles Hill, Mrs Lynne Hill
26 Bungoona Street
ELANORA HEIGHTS
NSW 2101

In signing this document I hereby consent to my appointment as the Principal Certifying Authority for the project described above in accordance with the requirements of the Environmental Planning and Assessment Regulation 2000, as amended

As the Principal Certifying Authority I am satisfied by virtue of the information provided by the Applicant that the appropriate licences insurance and/or permits as required by the Home Building Act 1989 are in place


Sam Pratt
BPB0732

25/8/11
Date of PCA Appointment

Australian Bureau of Statistics

THE AREAS

THE SITE (M²) 837
THE EXISTING BUILDING (M²)
THE PROPOSED BUILDING (M²) 39 5

NO OF EXISTING DWELLINGS 1

NO OF PROPOSED DWELLINGS 0

DUAL OCCUPANCY No

NO OF STOREYS 0

MATERIALS

WALLS FIBREGLOSS
FLOORS FIBREGLOSS
FRAME N/A
ROOF N/A

P O Box 3190 NARELLAN DC NSW 2567
p 02 4655 5811 f 02 4655 2411 e info@localgroup.com.au ABN 30 735 366 565



RECORD OF SITE INSPECTION

P O Bo
NARELLAN DC NSW
P 02 465
F 02 465
E info@localgroup.com.au
ABN 30 735 3

Date of Application
Our Reference

4/4/2011
8003672
Lot 147
DP 224239
26 Bungoona Street ELANORA HEIGHTS NSW 2101

Date of Inspection

22 June 2011

This document is to serve as a record of the inspection carried out in relation to the development above as required by 129C of the Environmental Planning and Assessment Regulation 2000

INSPECTION DETAILS

Do the plans and specifications accompanying the Complying Development Certificate application adequately accurately depict the conditions of any affected existing building?

☒ YES ☐ NO

Are there any features of the site, or of any building on the site that would result in the proposed development being complying development?

☐ YES ☒ NO

Are there any features of the site, or of any building on the site that would result in the proposed development complying with the Building Code of Australia?

☐ YES ☒ NO

Details of Existing Fire Safety Measures Attached

☐ YES ☒ N/A

This document will accompany any Complying Development Certificate issued in relation to this development in accordance with the requirements of Clause 130(4)(d) of the Environmental Planning and Assessment Regulation 2000. This document should not be misconstrued as a Compliance Certificate. Should additional information be required in relation to this matter, please contact the undersigned during office hours at your convenience.

Craig Hardy

Accredited Certifier
BPB0167

22/6/2011

Date

FILE NO	8003672
LOT	147
DP	224239
ADDRESS	26 BUNGOONA STREET ELANORA HEIGHTS NSW 21

**STATE ENVIRONMENTAL PLANNING POLICY
(EXEMPT AND COMPLYING DEVELOPMENT CODES) 2008**

CURRENT VERSION AS OF 1 FEBRUARY 2010
PART 3 DIVISION 3

The Complying Development Certificate attached has been approved subject to conditions. Your attention is drawn to the fact that these conditions may require additional works to be carried out prior to the commencement of works on the site. Amongst other things, the conditions require that nearby property owner/s be notified of the proposed commencement date of works two days prior to these works commencing.

Failure to observe the requirements of these conditions may result in the Local Council taking any action in a Court of appropriate jurisdiction or otherwise to rectify any situation that may eventuate.

Should you require any additional information regarding these conditions, or any other matter associated with your consent, please contact your Principal Certifying Authority for further information at your convenience.

**DIVISION 3
CONDITIONS APPLYING TO COMPLYING DEVELOPMENT CERTIFICATE UNDER THIS CODE**

Note *Complying development must comply with the requirements of the Act, the Environmental Planning and Assessment Regulation 2000 and the conditions listed in this Part.*

Note *A contributions plan setting out the contribution requirements towards the provision or improvement of public amenities or public services may specify that an accredited certifier must, under section 94EC of the Act, impose a condition on a complying development certificate requiring the payment of a monetary contribution in accordance with that plan.*

SUBDIVISION 1 CONDITIONS APPLYING BEFORE WORKS COMMENCE

3 37 PROTECTION OF ADJOINING AREAS

- (1) A temporary hoarding, fence or awning must be erected between the work site and adjoining lands before the works begin and must be kept in place until after the completion of works if the works:
 - (a) Could cause a danger, obstruction or inconvenience to pedestrian or vehicular traffic, or
 - (b) Could cause damage to adjoining lands by falling objects, or
 - (c) Involve the enclosure of a public place or part of a public place.
- (2) Repealed
- (3) Repealed

Note *See the entry in the General Exempt Development Code for scaffolding, hoardings and temporary construction site fences.*

3 38 TOILET FACILITIES

- (1) Toilet facilities must be available or provided at the work site before works begin and must be maintained until the works are completed at a ratio of one toilet plus one additional toilet for every 20 persons employed at site
- (2) Each toilet must
 - (a) be a standard flushing toilet connected to a public sewer, or
 - (b) have an on-site effluent disposal system approved under the Local Government Act 1993, or
 - (c) be a temporary chemical closet approved under the Local Government Act 1993

3 39 GARBAGE RECEPTACLE

- (1) A garbage receptacle must be provided at the work site before works begin and must be maintained until the works are completed
- (2) The garbage receptacle must have a tight fitting lid and be suitable for the reception of food scraps and papers

3 39A NOTIFICATION

THE PERSON HAVING THE BENEFIT OF THE COMPLYING DEVELOPMENT CERTIFICATE MUST GIVE AT LEAST 2 DAYS NOTICE IN WRITING OF THE INTENTION TO COMMENCE WORKS TO THE OWNER OR OCCUPIER OF EACH DWELLING THAT IS SITUATED WITHIN 20M OF THE LOT ON WHICH THE WORKS WILL BE CARRIED OUT

SUBDIVISION 2 CONDITIONS APPLYING DURING THE WORKS

***Note** The Protection of the Environment Operations Act 1997 and the Protection of the Environment Operations (Noise Control) Regulation 2008 contain provisions relating to noise*

3 40 HOURS

Construction or demolition may only be carried out between 7 00 am and 5 00 pm on Monday to Saturday and no construction or demolition is to be carried out at any time on a Sunday or a public holiday

3 41 COMPLIANCE WITH PLANS

Works must be carried out in accordance with the plans and specifications to which the complying development certificate relates

3 42 SEDIMENTATION AND EROSION CONTROLS

Run-off and erosion controls must be effectively maintained until the site has been stabilised and landscaped

3 43 MAINTENANCE OF SITE

- (1) Building materials and equipment must be stored wholly within the work site unless an approval to store the materials elsewhere is held
 - (2) Demolition materials and waste materials must be disposed of at a waste management facility
 - (3) The work site must be left clear of waste and debris at the completion of the works
-

SUBDIVISION 3 CONSTRUCTION REQUIREMENTS

3 44 STAGING CONSTRUCTION

- (1) If the complying development is the erection of, or alterations or additions to, a dwelling house, the roof stormwater drainage system must be installed and connected to the drainage system before the roof cover is installed
- (2) Any approval that is required for connection to the drainage system under the Local Government Act 1993 must be held before the connection is carried out
- (3) If the complying development involves the construction of a vehicular access point, the access point must be completed before the occupation certificate for the complying development on the site is obtained

3 45 UTILITY SERVICES

If the complying development requires alteration to, or the relocation of, utility services on the lot on which the complying development is carried out, the complying development is not complete until all such works are carried out

ADDITIONAL CONDITIONS IMPOSED UPON THIS COMPLYING DEVELOPMENT CERTIFICATE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979 (AS AMENDED) AND THE ENVIRONMENTAL PLANNING AND ASSESSMENT REGULATION, 2000

- 1 In accordance with section 94EC of the Environmental Planning and Assessment Act, it is also a condition of this complying development certificate that any payment of a monetary contribution or levy required by a contributions plan is paid prior to the commencement of work
- 2 In accordance with Clause 136E of the Environmental Planning and Assessment Regulation, the following conditions are imposed
 - (a) work involving bonded asbestos removal work (of an area of more than 10 square metres) or friable asbestos removal work must be undertaken by a person who carries on a business of such removal work in accordance with a licence under clause 318 of the Occupational Health and Safety Regulation 2001,
 - (b) the person having the benefit of the complying development certificate must provide the principal certifying authority with a copy of a signed contract with such a person before any development pursuant to the complying development certificate commences,
 - (c) any such contract must indicate whether any bonded asbestos material or friable asbestos material will be removed, and if so, must specify the landfill site (that may lawfully receive asbestos) to which the bonded asbestos material or friable asbestos material is to be delivered

ADVISORY NOTE

Should the subject site be located within an area that uses recycled or reclaimed water then an approval would be required under Section 68 of the Local Government Act, 1993. Should this be the case separate enquires should be made to the Local Authority to determine if additional inspections will be required. Failure to have these inspections completed and certified as being satisfactory by the Local Authority may prevent the Principal Certifying Authority from issuing an Occupation Certificate



P O Box 3190
NARELLAN DC NS
p 02 4655 5811
f 02 4655 2411
e info@localgrou
ABN 30 735 366

NOTIFICATION OF DEVELOPMENT

Dear Sir/Madam

In accordance with the requirements of the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008, please be advised that a Complying Development Certificate has been issued for a property near to you

The details relating to this Certificate are included in Schedule A

It is intended that works will commence on _____

A copy of the Complying Development Certificate, including related plans and specifications, is available for inspection at the Council's principal office, free of charge, during the Council's ordinary office hours

Yours Faithfully

SCHEDULE A			
Address of Development	Development	Date Of Issue	Reference
LOT 147 DP 224239 26 BUNGOONA STREET ELANORA HEIGHTS NSW 2101	Swimming Pool		8003672

Home Warranty Insurance
Certificate of Insurance

Policy Number BN0029411BWI 4



Home Warranty
Insurance Fund

QBE Insurance (Australia) Ltd
Level 3 85 Harrington St
SYDNEY NSW 2000
Phone 1300 790 723
Fax 02 8275 9330
ABN 78 003 191 035
AFS License No 239545



CHARLES & LYNNE HILL
26 BUNGOONA AVENUE
ELANORA HEIGHTS NSW 2101

Name of Intermediary
AON HIA (NSW/ACT)
GPO BOX 2188
CANBERRA ACT 2601

Account Num
BN0006
Date Iss
06/04/2

Policy Schedule Details

Certificate in Respect of Insurance

Residential Building Work by Contractors

A contract of insurance complying with sections 92 and 96 of the Home Building Act 1989 has been issued by QBE Insurance (Australia) Limited as agent for and on behalf of the NSW Self Insurance Corporation (SICorp) (ABN 97 369 689 650) who is responsible for management of the Home Warranty Insurance Fund

In Respect of	SWIMMING POOLS
At	LOT 147 26 BUNGOONA AVENUE ELANORA HEIGHTS NSW 2101
Carried Out By	BUILDER DARYL GLENN KNIPE ABN NOT KNOWN
Declared Contract Price	\$35 670 00
Contract Date	07/04/2011
Builders Registration No	U111211C
Building Owner / Beneficiary	CHARLES & LYNNE HILL

Subject to the Act and the Home Building Regulation 2004 and the conditions of the insurance contract cover will be provided to the Building Owner/Beneficiary named in the domestic building contract and to the successors in title to the Building Owner/Beneficiary or the immediate successor in title to the contractor or developer who did the work and subsequent successors in title

Signed for and on behalf of NSW Self Insurance Corporation (SICorp)

Ty Ayscough

IMPORTANT NOTICE

In addition to this certificate of insurance a policy wording which outlines the terms and conditions of the cover provided is available from the HWIF website To access that policy wording visit www.homewarranty.nsw.gov.au

Levy Online Payment Receipt



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

Applicant Name	LEISURE POOLS
Levy Application Reference	5017684
Application Type	CDC
Application No	8003672
Local Government Area/Government Authority	PITTWATER COUNCIL
Site Address	26 BUNGOONA AVE
	ELANORA HEIGHTS
	NSW
	2101
Value Of Work	\$35 670
Levy Due	\$124
Levy Payment	\$124
Online Payment Ref	623995097
Payment Date	8/08/2011 11 20 09 AM



LOCAL

APPLICATION FORM

☐ Principal Certifying Authority ☐ Complying Development Certificate ☐ Occupation Certificate

THE APPLICATION

DATE OF APPLICATION

LAND TO BE DEVELOPED

Lot No 147 Deposited Plan 224239
House No 26 Street Name Bungeong
Suburb Elanora Heights Post Code 2107
Area (m²) Section/Folio

THE DEVELOPMENT

Proposed Building Work Residential ☒ Commercial ☐ Industrial ☐
Description of Development Swimming Pool
Value of Work \$25,670.00
Type of work Inground swimming pool
Building Classification

CONSENTS

Environmental Planning Instrument State Environmental Planning Policy ☐ Council DCP ☐

BUILDER / OWNER BUILDER

Name Daryl Knie
Postal Address 15 Wells Street Thornleigh
Licence No 2111211C
Contact No 0433 659 656 Fax / E-mail

THE APPLICANT/OWNERS

	Owner 1 / Applicant	Owner 2	Owner 3	Owner 4
First Name	Charles	Lynne		
Surname	Hill	Hill		
Street	Bungeong	Bungeong		
Suburb	Elanora Heights	Elanora Heights		
Contact No	0414913267	0414913267		
E-mail				

BILLING DETAILS

☐ Applicant ☐ Builder ☐ Other (Please provide details)

Company Name Leisure Pools
Address 50 The Parkway, Stretton 4
Phone 0433 659 656

LETTER OF CONSENT

OWNERS CONSENT

I/we the owners of the subject property hereby give consent for the lodgement of all relevant applications (i.e. for Construction Certificate/s, Complying Development Certificate/s, Occupation Certificate/s, Compliance Certificate/s) and associated documentation to Local Certification Services Unit Trust for consideration

I/we also declare that all documentation presented as part of an application for a Construction Certificate has remained unaltered from that issued with any Development Consent or that any changes have been documented and Local Certification Services Unit Trust have been advised accordingly

In the event that the nominated Principal Certifying Authority resigns from his employment position with Local Certification Services Unit Trust my signature provided below will also serve as the authorisation for the transfer of the role and responsibilities of the Principal Certifying Authority from the nominated person to ☐ Craig Hardy ☐ Paul Gearin ☐ Andrew Dean

PRINCIPAL CERTIFYING AUTHORITY

With reference to this proposed development I/we the owners of the subject property hereby advise of our decision to appoint ☐ Andrew Dean ☐ Callan Blackwell ☐ Craig Hardy ☐ Daniel Powell ☐ Michael Shanahan ☐ Paul Gearin ☐ Sam Pratt ☐ Paul Morgan ☐ John Parkinson ☐ Michael Hardy ☐ _____ to fulfil the role of Principal Certifying Authority (PCA) as outlined in the Environmental Planning and Assessment Act, 1979 (as amended)

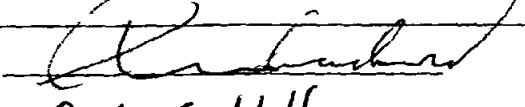
I/we understand that this engagement shall be subject to the Terms and Conditions outlined in this application and the associated Schedule and I/we further understand that he will carry out all mandatory inspections required by the Act during the course of construction along with any others that he deems to be necessary and referred to the abovementioned Agreement

I/we also advise that I/we are aware of the conditions attached to any Development Consent (i.e. Local Development Consent or Complying Development Consent) and are aware of our responsibilities in relation to those conditions

SIGNATURES

THE APPLICANT/OWNERS

Owner 1 / Applicant

Signed	
Name (Please Print)	CHARLES HILL
Date	23rd March 201

Owner 2

Signed	_____
Name (Please Print)	_____
Date	_____

Owner 3

Signed	_____
Name (Please Print)	_____
Date	_____

Owner 4

Signed	_____
Name (Please Print)	_____
Date	_____



Reece Pty Ltd
ABN 84 004 097 090

8003672

Packing S
(Tax In
CUSTOMER

Home Branch

NARELLAN
(02) 4647 6837

LOCAL CONSULTANCY SERVICES
UNIT TRUST
PO BOX 423
FAIRY MEADOW NSW 2519
Tel (02) 4284 4709
Fax (02) 4284 4208
Mobile 0413 187 159

Account No.	2517957-1
Order No.	26 BUNGOONA ST
Job No /Name	ELANORA HEIGHTS
Date	16/06/2011
Sales Person	04-ROBERT JONES
Supply Branch	NARELLAN
Document No.	155312845

Product Code	Description	Qty Supplied	Bin Location	Unit	Price before GST	GST Amount	Total price inc GST
2110110	Building Plan Approval Application ** Comments ** Pickup By Customer	1 00		EA			
Delivery instructions comments ID					Net total		
					Cartage		
					Document Total		

This signed receipt acknowledges that
above goods have been delivered and/or
received in good condition

Received by (signature) _____
Received by (print name) PETA

CTNS	COILS	LENGTHS	BAGS	HWU	OTHER	Picked by	Checked by

Terms & Conditions In addition to any terms and conditions contained in this communication all dealings with Reece Pty Ltd of any nature whatsoever are subject to the Terms and Conditions of Trade of Reece Pty Ltd A copy of the terms and conditions may be obtained on request at any Reece Branch and may be found on the Reece website www.reece.com.au

Don't risk it, use a licensed plumber.
Reece. Supporting the plumbing industry for over 90 years.



Application Lodgement Summary



Reference Number 3194407 Date Requested Thu June 16 2011

Agent Reece Narellan, Lot 35 Yarmouth PI Narellan 2567
Applicant local consultancy, po box 423 po box 423 fairy meadow 2519
Property/Asset 26 Bungoona Ave, Elanora Heights 2101 (Cl Hill Lj Hill) PNum 3404396
150 mm VC Sewer Main - (2778458)
Product Building Plan Approval Application

Charge	Product Cost	GST	Total
Building Plan Approval Application Fee	\$26 45	\$0 00	\$26 45

Property Special Conditions for Plumbers

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

You must contact Sydney Water to clarify the property special conditions where the property special conditions are not shown (yes or no), are shown as "unset", "unknown" or "not available" or if the proposed development is being built over more than one existing property

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

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

6

5

4

SITE LEVELS

Datum: Porch
(0.0 EGL)

Existing Levels

- A: 120 Below Datum
- B: 170 Below Datum
- C: 260 Below Datum
- D: 110 Below Datum

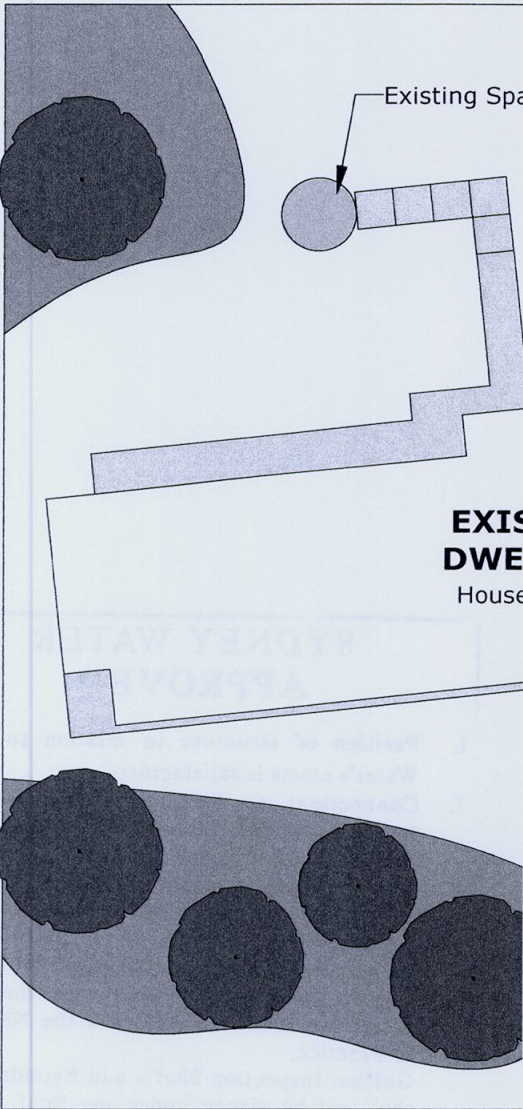
Proposed Level of Coping: RL: 0.0
i.e

- A: Cut 1685mm
- B: Cut 1635mm
- C: Cut 1140mm
- D: Cut 1290mm

SITE ACCESS

All access to and
from the site to be
controlled by the
Site Supervisor for
the project

M.M.



**EXISTING
DWE**
House

BUN

CAPACITY OF POOL
30 400 Litres

REVISIONS:

CLIENT:

JOB DESCRIPTION:

**LEISURE
POOLS**

INGROUND POOL

SCALE: 1:200

SYDNEY WATER APPROVED

1. Position of structure in relation to Sydney Water's assets is satisfactory.
2. Connections to Sydney Water sewer/water services may only be made following the issue of a permit to a licensed plumber/drainier.
3. It is the owner's responsibility to ensure that all proposed fittings will drain to Sydney Water's sewer.
4. Any Plumbing and/or Drainage Work to be carried out in accordance with the Sydney Water Act 1994, AS 3500 and the NSW Code of Practice.
5. Gullies, Inspection Shafts and Boundary Traps shall not be placed under any Roof, Balcony, Verandah, Floor or other cover unless otherwise approved by Sydney Water.
6. Property No. 3404396

Reece, Narellan
Quick Check Agent on behalf of
SYDNEY WATER

Per: Bene. 16, 6, 11

SITE LEVELS

Datum: Bench
(0.0 ECU)

Existing Levels

A: 120 Below Datum
B: 170 Below Datum
C: 260 Below Datum
D: 110 Below Datum

Proposed Level of Coping: RL: 0.0

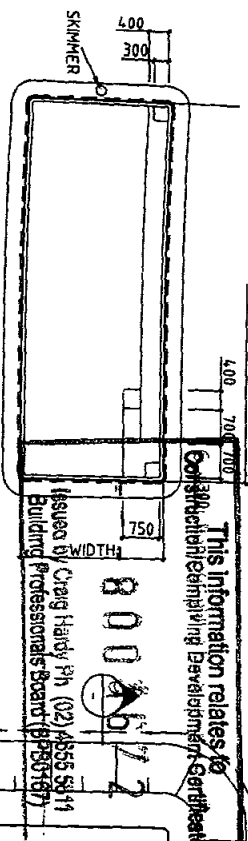
i.e.

A: Cut 1682mm
B: Cut 1632mm
C: Cut 1140mm
D: Cut 1390mm

SITE ACCESS

All access to and from the site to be controlled by the Site Supervisor for the project

CAPACITY OF POOL
30 000 Litres



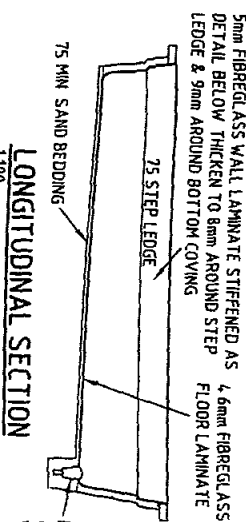
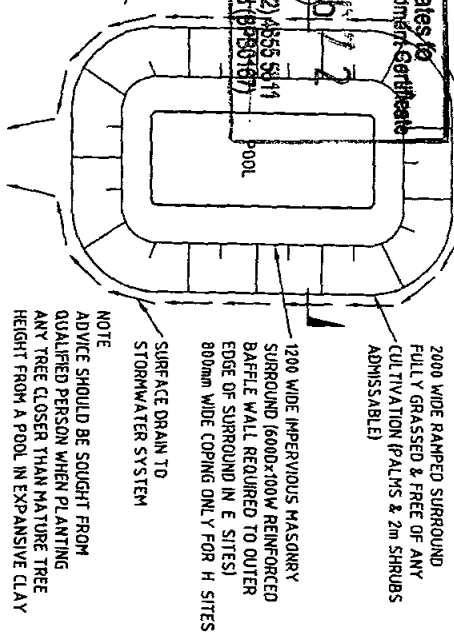
LENGTH	WIDTH	MAX DEPTH	MIN DEPTH
5.0 m	2.9 m	1.565 m	1.29 m
6.0 m	2.9 m	1.630 m	1.29 m
7.0 m	2.9 m	1.695 m	1.29 m
8.0 m	2.9 m	1.760 m	1.29 m

POOL PLAN - HARMONY

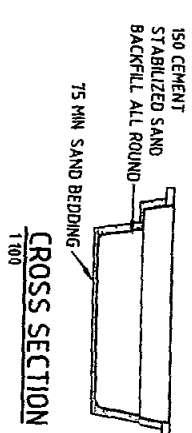
BALSA RIBS ON WALLS
AT 600 CRS GENERALLY
& 400 CRS WHERE POOL
WALL IS GREATER THAN
1600 HIGH

BALSA RIBS

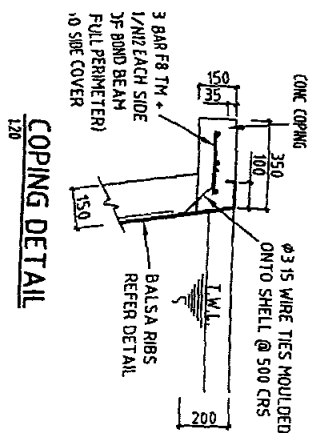
EXPANSIVE CLAY SOILS
PROVISION PLAN



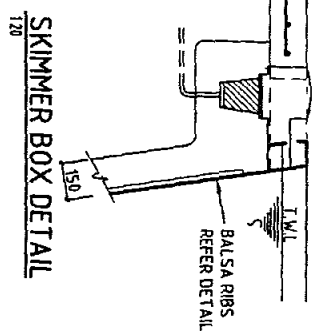
LONGITUDINAL SECTION



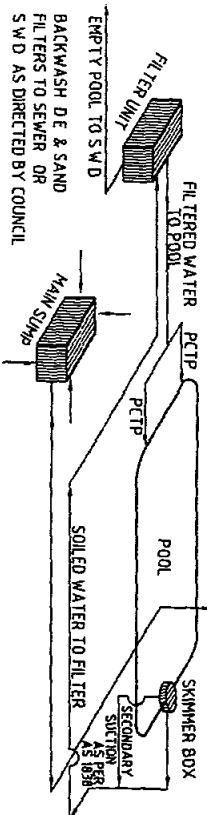
CROSS SECTION



COPING DETAIL



SKIMMER BOX DETAIL



WATER RETICULATION FLOW DIAGRAM

SHOYERS ENGINEERING
120
PO BOX 590 ROMA
NSW 2810
PHONE 07 5578 8088
FAX 07 5578 9429

REV	DESCRIPTION	DATE	ISSUE
0	FIRST ISSUE	07 09 09	CLIENT
1	DESIGNED	07 09 09	DESIGNER
2	DRAWN	07 09 09	DRAWER
3	AS SHOWN	07 09 09	AS SHOWN

GRP SHELL MANUFACTURE
A THE FIBREGLASS SHELL SHALL BE MANUFACTURED IN ACCORDANCE WITH AS 1838 (PREMOULDED FIBRE REINFORCED PLASTIC SWIMMING POOLS)
B MATERIALS
(a) RESINS SHALL BE TYPE B POLYESTER (UNO)
(b) REINFORCEMENT SHALL BE CLASS E GLASS FIBRE MIN GLASS CONTENT OF TOTAL SHELL THICKNESS 30% BY WEIGHT
C SHELL SHALL BE SPRAY MOULDED WITH
(a) 0.5mm GEL COAT (NPG)
(b) 12 - 15mm BARRIER COAT (VINYL ESTER)
(c) STRUCTURAL LAYER WHICH WILL GIVE TOTAL BARRIER/STRUCTURAL THICKNESS NOMINATED ON DRAWING
(d) 0.2mm FLO COAT
D ALL LAYERS SHALL BE ROLLED OUT TO COMPLETELY BOND REINFORCING & RESINS & EXPEL AIR
E STRUCTURAL LAMINATE SHALL HAVE
(a) FLEXURAL STRENGTH OF 110 MPa
(b) TENSILE STRENGTH OF 60 MPa
(c) MODULUS ELASTICITY OF 6200 MPa

FOUNDATIONS
A POOL HAS BEEN DESIGNED FOR FULLY IN GROUND INSTALLATION
INSTALL SUBDRAINS AS REQ D IN BATTERS ABOVE POOL

INSTALLATION
A THE POOL SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENT OF AS 1839 & THIS SPECIFICATION
B WALLS SHALL BE BACKFILLED WITH 10:1 SAND CEMENT MIX PLACED AT A RATE TO MATCH POOL FILLING & DAMPENED AFTER COMPLETION
C CONCRETE TO CONTOUR SHALL BE 20 MPa MIN WITH 20mm AGGREGATE & 80:20 SLUMP TYPE A CEMENT COMPACT CONCRETE THOROUGHLY AROUND SKIMMER & UNDER COPING FLANGE
D REINFORCING STEEL
N12 - 12mm DEFORMED BAR TO AS 1838
R642 - WELDED WIRE FABRIC TO AS 1304
E TOLERANCES SHALL BE IN ACCORDANCE WITH AS 1838
F PLUMBING SHALL BE 60 PRESSURE LINES & 650 SUCCTION LINES CLASS 9 PIPE & CLASS 18 FITTINGS PRIME ALL JOINTS BEFORE APPLYING SOLVENT

OPERATION
A THE POOL SHELL MAY BE DAMAGED IF THE POOL WATER IS DROPPED BELOW NORMAL OPERATING LEVEL CONSULT THE INSTALLATION CONTRACTOR PRIOR TO EMPTYING THE POOL

PROJECT
Leisure Pool
STRUCTURAL DETAILS
FIBREGLASS SWIMMING POOL
"HARMONY"

SITE LEVELS

Datum: Porch
(0.0 EGL)

Existing Levels

- A: 120 Below Datum
- B: 170 Below Datum
- C: 260 Below Datum
- D: 110 Below Datum

Proposed Level of Coping: RL: 0.0
i.e

- A: Cut 1685mm
- B: Cut 1635mm
- C: Cut 1140mm
- D: Cut 1290mm

SITE ACCESS

All access to and
from the site to be
controlled by the
Site Supervisor for
the project

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CALCULATIONS

Site Area: 837m²

Built Areas:

- Existing Dwelling: 179.66m²
- Front Porch: 9.48m²
- Rear Concreted Area: 62.21m²
- Pool Area: 39.58m²
- Front Concreted Area: 38.71m²

Total: 329.64m²
= 39.4%

SANITARY FACILITIES

Toilet facilities
situated inside
the existing dwelling

BACKWASH

All backwash from filter
to be directed to sewer

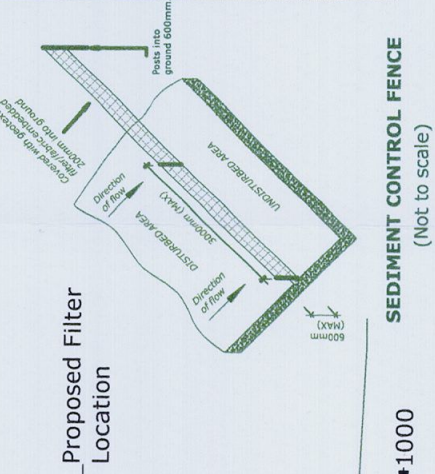
DUST SUPPRESSION

All potential dust to
be suppressed using
the existing garden
hose for wetting
down excessively
dusty or annoying
excavated materials

CAPACITY OF POOL
30 400 Litres

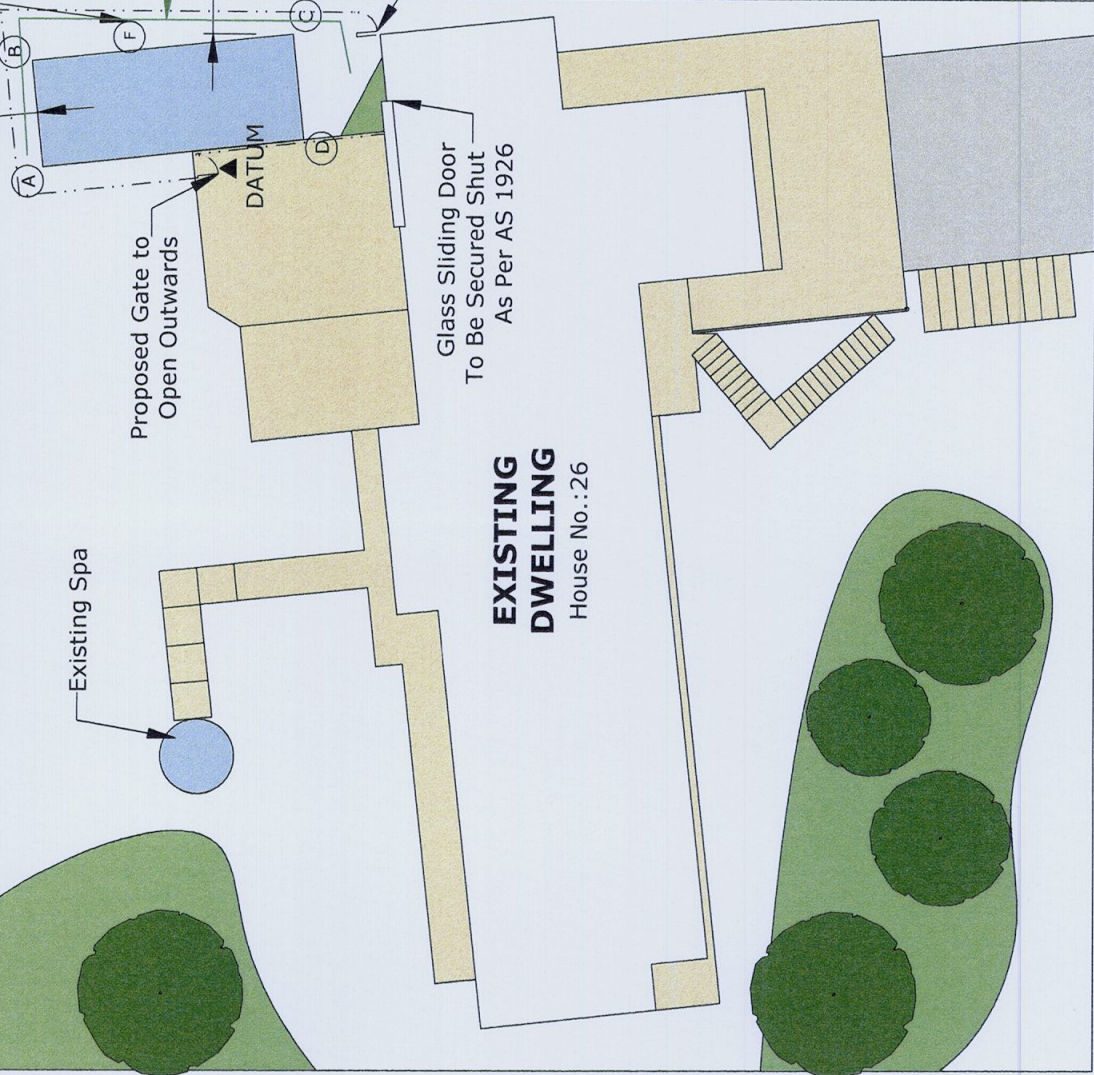
M.M.

BUNGOONA STREET



Proposed Filter
Location

1655.05



Proposed Gate to
Open Outwards

Glass Sliding Door
To Be Secured Shut
As Per AS 1926

Proposed Gate to
Open Outwards

EXISTING
DWELLING
House No.: 26

SEDIMENT CONTROL FENCE
(Not to scale)

REVISIONS:

CLIENT:

LEISURE
POOLS

JOB DESCRIPTION:

INGROUND POOL

ADDRESS:

26 Bungoona Street
Elanora Heights

OWNER:

HILL

DATE:

08/06/11

SHEET:

SHEET 1

TITLE:

SITE PLAN

This information relates to
Construction/Complying Development Certificate

---8003672

Issued by Craig Hardy Pty. (02) 4655 5911
Building Professionals Board (BPB01687)