

PART 4A CERTIFICATE

Issued under the Environmental Planning and Assessment Act, 1979

CERTIFICATE NO.

5001315

yours locally

Sydney South West

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

☒ Construction Certificate ☐ Complying Development Certificate ☒ Occupation Certificate

THE APPLICATION

Date of Application: 19 JANUARY, 2007

THE APPLICANT

Name: MR RAY PHILLIPS PHONES: Work () Mobile () Home ()

Address: 11 GILWINGA DRIVE BAYVIEW HEIGHTS NSW 2104

THE OWNERS/S

Owner: MR RAY PHILLIPS Phones: Work () Mobile (0416073081) Home (99992972)

Address: 11 GILWINGA DRIVE BAYVIEW HEIGHTS NSW 2104

Owner: MRS CAROLE PHILLIPS Phones: Work () Mobile (0416073081) Home (99992972)

Address: 11 GILWINGA DRIVE BAYVIEW HEIGHTS NSW 2104

Owner: Phones: Work () Mobile () Home ()

Address:

LAND TO BE DEVELOPED

Lot: 39 DP:- 11 Gilwinga Drive BAYVIEW HEIGHTS NSW 2104

THE DEVELOPMENT

Description: INGROUND POOL

Value of Work: \$ 43,000

CONSENTS

Local Government Area: PITTWATER

Development Consent #: N0128/07

Date Of Issue: 19 June, 2007

Builder or Owner/Builder Name: Blue Haven Pools & Spas - Lansvale

Licence #: 5367C

LAND TO BE DEVELOPED

Lot: 39 DP:- 11 Gilwinga Drive BAYVIEW HEIGHTS NSW 2104

PLANS

BHP PLANS 07T15027, SHEETS 1-8, DATED 13.02.07

SPECIFICATIONS

OTHER DOCUMENTS

LETTER OF CONSENT
BUILDERS WARRANTY INSURANCE

LIMITATIONS &/or EXCLUSIONS

PART 4A CERTIFICATE

This Certificate has been determined as approved subject to conditions (not applicable for Construction Certificates - See Note 1) in accordance with the procedures outlined in Clause 142 of the Environmental Planning and Assessment Regulation 2000. In making this determination, I certify that the work if completed in accordance with the documentation accompanying the Application for the Certificate (with such modifications verified by the Certifying Authority as may be shown on that documentation) will comply with the requirements of this Regulation as referred to in Section 81A(5) of the Environmental Planning and Assessment Act, 1979 (as amended).

M Shanahan
Print Name

MMK
Signature

29/6/07
Date

CERTIFYING AUTHORITY: Building Professionals Board

ACCREDITATION NUMBER: 0370

ATTACHMENTS

- Documentation accompanying the application listed above
(Delete which is not applicable)

- Fire Safety Schedule

Note 1: If this Part 4A Certificate relates to a Construction Certificate it has not been approved subject to Conditions.

R. 218328 \$30- 02/07/07.

BLUE HAVEN POOLS
26 JUN 2007

LONG SERVICE
BUILDING & CONSTRUCTION

22 June 2007

BY:.....

BLUE HAVEN POOLS
68 HUME HIGHWAY
LANSVALE NSW 2190

Building and Construction Industry
Long Service Payments Corporation
Ground Floor
cnr Donnison & Baker Streets
Gosford NSW 2250
Locked Bag 3000
Central Coast MC NSW 2252
Tel: 13 14 41
Fax: (02) 9287 5685
Email: info@lspc.nsw.gov.au
www.lspc.nsw.gov.au
ABN 93 646 090 808

Levy Receipt

Receipt No

00051924

Received from: (Name of person or organisation paying for levy)

BLUE HAVEN POOLS

the amount of

\$150.00

Payment details:

Cheque 556141 \$150.00 BLUE HAVEN POOLS & SPAS P/L

being payment for Long Service Levy as detailed below

Levy Payment Form number	0288390
Council/Department/Authority	PITTWATER COUNCIL
D.A. Number	N0128/07
Work address	11 GILWINGA DRIVE BAYVIEW HEIGHTS NSW 2104
Estimated value of work	\$43,000.00
Levy payable (No exemption)	\$150.00
Total levy paid	\$150.00

Signed: (Signature of authorised person)

Kyette Pogo

Date

22 JUN 2007



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 11 Gilwina Drive, Bayview

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

I, _____ on behalf of _____
(insert name) (trading or company name)

on this the _____
(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 Analysis and Management Report for the proposed Pool at 11 Gilwina Drive, Bayview VS 24291

Report Date: 6th March, 2007

Author: Ben White

Structural Documents list:

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.

(name) (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 08/03/2007 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 _____

Name J HODGSON

Chartered Professional Status MEngSc FIEAust

Membership No. 149 788



9002405

10 APR 2007

LETTER OF CONSENT

11 Gilwings Drive Bayview Heights

OWNERS CONSENT

I/we the owners of the subject property hereby give consent for the lodgement 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 Mr Craig Hardy.

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 ☐ Trent McCurley ☐ Paul Morgan ☐ John Parkinson ☐ _____ to fulfil the role of Principal Certifying Authority (PCA) as outlined in the Environmental Planning and Assessment Act, 1979 (as amended).

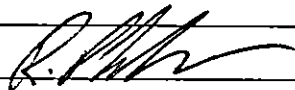
I/we understand that this engagement shall be subject to the Terms and Conditions outlined in this application and I/we further understand that he will carry out all mandatory inspections required by the Act during the course of construction along with any others that he deems to be necessary and referred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

Signed:

X



Name (Please Print):

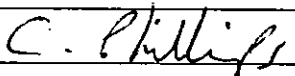
Ray PHILLIPS

Date:

X 9-4-07

Signed:

X



Name (Please Print):

Carole PHILLIPS

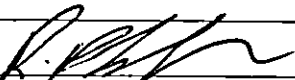
Date:

X 9-4-07

OWNER/S

Signed:

X



Name (Please Print):


Ray PHILLIPS

Date:

X 9-4-07

Signed:

X



Name (Please Print):

Carole PHILLIPS

Date:

X 9-4-07.

9002405



Level 1 369 High Street, Kew VIC 3101
 Telephone: 1300 300 115 Facsimile: 1300 308 115
 A division of Australian Underwriting Services Pty Ltd
 ABN: 25 079 021 426 AFSL No: 238325

Policy Schedule / Certificate of Insurance

Underwritten by Australian International Insurance Ltd. (ABN 29 006 544 690) ('Insurer')

OWNER COPY

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

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

POLICY No.: AILL - 001 **CERTIFICATE No.:** 115057 **POLICY ISSUED:** 17/01/2007

INSURED

The Building Owner ('Beneficiary'): C & R Phillips
Postal Address: 11 Gilwinga Drive, Bayview Heights NSW 2104

RESIDENTIAL BUILDING WORK

Residential Building Work Covered by this Policy: Construction of a swimming pool - as per application dated 17/01/2007
At (Site Address): 11 Gilwinga Drive, Bayview Heights NSW 2104
Municipality: Pittwater **Contract Date:**
Project Manager: Ragheb Awadallah **Contract Price:** \$43,000.00
Est. Start Date: 31/01/2007 **Est. Completion Date:** 31/01/2008

CONTRACTOR

Carried out by (Trading Name): Blue Haven Pools & Spas Pty Ltd
Postal Address: 68 Hume Highway Lansvale NSW 2166
ABN / ACN No.: 22 050 069 193
Licence/Contractor No.: 5367c
Phone No.: 02 9728 0444

MAXIMUM AMOUNT OF COVER AND CLAIMS

The limit of liability is \$200,000.00 in aggregate in relation to each Dwelling, or such amount as is determined by the Regulations pursuant to the Act. The period in respect of which Claims may be made commences on the date of the relevant Residential Building Work Contract or date of issue of the Construction Certificate for the relevant work (whichever is the earlier); and expires on the date defined by Section 4 of the Contract of Insurance, provided that the Insured shall have 90 days from expiry of the Period of Insurance in which to notify the Insurer of any matter of which the Insured became aware during the Period of Insurance as existence of grounds for a Claim.

CLAIMS EXCESS

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

PREMIUM

Paid by Builder

SIGNED BY A PERSON AUTHORISED BY THE INSURER

Australian International Insurance Ltd, Level 1, 369 High Street, Kew VIC 3101 (ABN 29 006 544 690)

Murray T. Nugent

Name of the signatory for Australian Home Warranty,
 a division of Australian Underwriting Services Pty Ltd

Swimming Pool Stamp

Permits are required to fill all new swimming pools with a capacity greater than 10,000L. Contact Sydney Water on 13 20 92 during business hours.

Fines of \$220 will apply for filling pools without a permit

SYDNEY WATER APPROVED

Position of structure in relation to Sydney Water's assets is satisfactory.

Connections to Sydney Water sewer/water services may only be made following the issue of a permit to a licensed plumber/drainier.

It is the owner's responsibility to ensure that all proposed fittings will drain to Sydney Water's sewer.

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.

Manholes, Inspection Shafts and Boundary Traps shall not be placed under any Roof, Balcony, Verandah, Floor or other cover unless otherwise approved by Sydney Water.

Property No. 3419287

Reece, Narellan
Quick Check Agent on behalf of
SYDNEY WATER

[Signature] 28.3.07

SYDNEY WATER

FILLING OF SWIMMING POOLS

The water supply to the pool must be drawn from a metered service and any tap or hose used to fill the pool must be at least 150mm above the highest possible water level of the pool.

EMPTYING OF SWIMMING POOLS

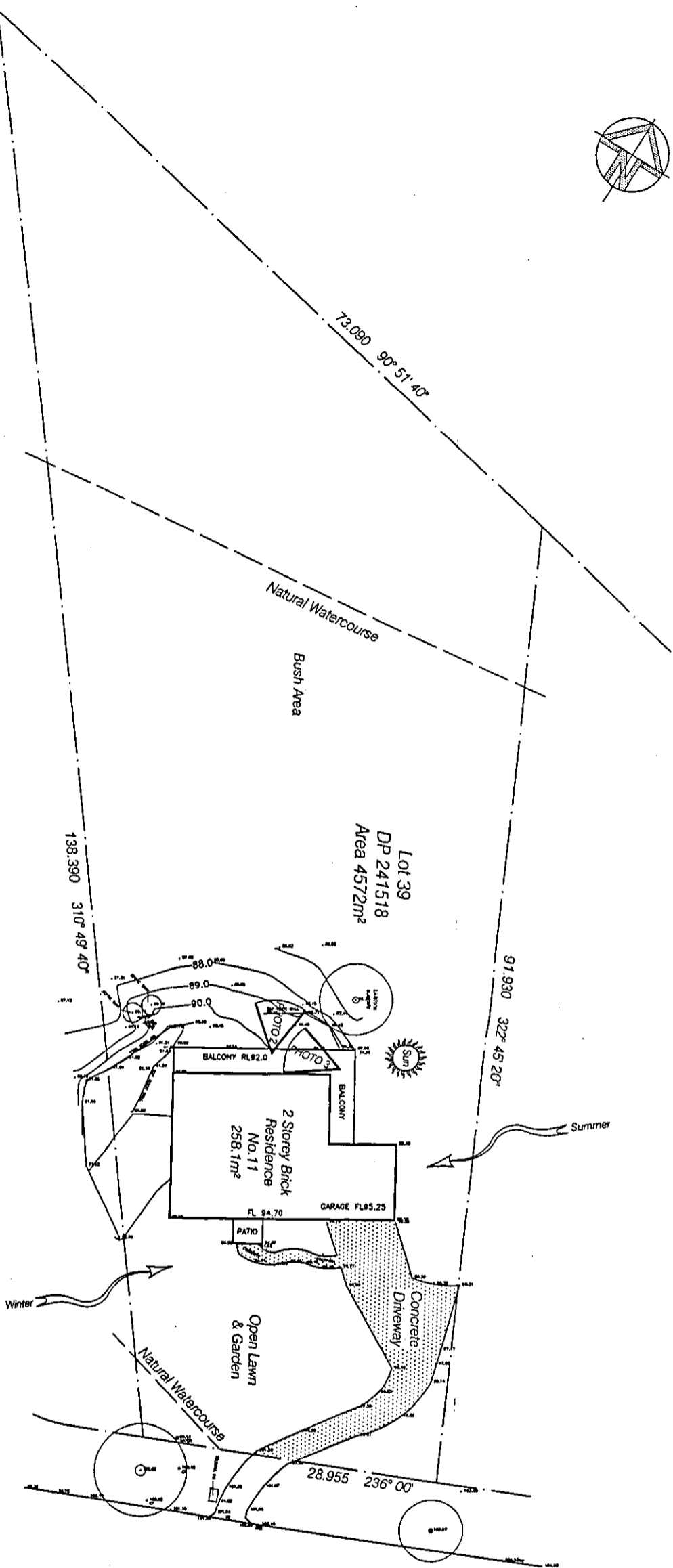
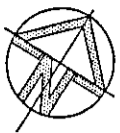
Pools emptying into Sydney Water's Sewer must:

- a) Discharge into a gully through a pipe.
- b) Discharge only in dry weather, with prior approval from Sydney Water's Customer Centre.

**NOTE: IT IS PROHIBITED TO DISCHARGE
POOL WATER INTO ANY OF
SYDNEY WATER'S
VACUUM SYSTEM SEWERS.**

Reece, Narellan
Quick Check Agent on behalf of
SYDNEY WATER

per: *[Signature]* 28.3.07



GILWINGA DRIVE

This information relates to
Construction/Complying Development Certificate
---5001315
Issued by Michael Stanishan (02) 4855 5811
Building Professionals Board (BPPB)

LEGEND

Prevaling Wind Direction
Receiving Direct Sun
Photo Number & Direction

Boundary
Existing Spot Heights
Paving
Existing Tree

NOTE: FENCE LOCATIONS HAVE
NOT BEEN DETERMINED IN
RELATION TO BOUNDARIES

SITE ANALYSIS

SCALE 1:500



BLUE HAVEN POOLS & SPAS PTY LTD

Site Plan & Pool Plans prepared by Blue Haven Pools & Spas Pty Ltd
68 Hume Highway Lansvale NSW 2166
Telephone: (02) 9728 0444 Fax: (02) 9728 0455



PROPOSED SWIMMING POOL
FOR PHILLIPS RESIDENCE
AT 11 GILWINGA DRIVE, BAYVIEW

DATE: 13/02/07
DRAWN: KSR

SHEET 1 OF 8

DRAWING/CONTRACT No.
BHP - 07115027
LC - 9002405

- C1 THE DETAILS PRESENTED ON THE FOLLOWING SHEETS COMPLY WITH THE REQUIREMENTS OF AS2703-1992.
- C2 ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH AS3600.
- C3 ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY CONCRETE COMPRESSIVE STRENGTH OF 25MPa AND HAVE A MAXIMUM AGGREGATE SIZE OF 10mm AND A MAXIMUM SLUMP OF 80mm UNLESS NOTED OTHERWISE.
- C4 WHERE THE POOL IS LOCATED WITHIN 1km OF LARGE EXPANSES OF SALT WATER THE CONCRETE SHELL SHALL HAVE A MINIMUM 28 DAY CONCRETE COMPRESSIVE STRENGTH OF 32MPa.
- C5 CONCRETE SIZES SHOWN DO NOT INCLUDE FINISH AND MUST NOT BE REDUCED OR HOLED IN ANY WAY WITHOUT THE APPROVAL OF THE ENGINEER. HOWEVER, THE RADIUS OR CONCRETE THICKNESS MAY BE INCREASED.
- C6 UNLESS OTHERWISE NOTED, CLEAR CONCRETE COVER SHALL BE IN ACCORDANCE WITH AS2703-1992.
- C7 CONCRETE COVER SHALL BE MAINTAINED BY THE USE OF APPROVED CHAIRS AT APPROXIMATELY 750 CROSS CENTRES.
- C8 ALL CONCRETE SHALL BE CURED BY THE OWNER FOR A MINIMUM OF 7 DAYS AFTER POURING BY KEEPING ALL EXPOSED SURFACES WET WITH WATER.
- C9 S NOTATION TO REINFORCEMENT DENOTES GRADE 230 DEFORMED BAR.
- C10 UNLESS OTHERWISE NOTED, ALL REINFORCEMENT LAPS SHALL BE A MINIMUM OF 500mm.
- C10 PROVIDE 10mm CONTROL JOINTS IN THE WALKWAY FINISH AT MAXIMUM 4,000 CENTRES AND AT POINTS OF RE-ENTRANT CORNERS IN PLAN.
- C11 PROVIDE 10mm CONTROL JOINTS BETWEEN THE PERIMETER EDGE OF THE POOL AND ALL ABUTTING CONCRETE OR MASONRY FINISHES.

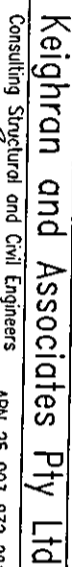
F1 THE DESIGN OF THE POOL HAS BEEN BASED ON BEING SUPPORTED BY UNIFORM NATURAL GROUND WITH A MINIMUM SAFE BEARING VALUE OF 150kPa (UNLESS SHOWN AS SUSPENDED ON PIERS). THE BUILDER SHALL NOTIFY THE ENGINEER IF ANY OTHER GROUND CONDITIONS ARE ENCOUNTERED PRIOR TO COMPLETING THE EXCAVATION. THE BUILDER SHALL ALSO NOTIFY THE ENGINEER IF A CLASS 'H' OR 'E' SUBGRADE IS ENCOUNTERED.

F2 THE EXCAVATION SHALL BE KEPT FREE OF WATER. ANY SOFTENED SUBGRADE MATERIAL SHALL BE REMOVED AND REPLACED WITH COMPACTED GRANULAR FILL PRIOR TO PROCEEDING.

F3 THE UNDERSIDE OF THE POOL SHALL BE SEPARATED FROM THE SUBGRADE WITH A 200µm POLYTHENE MEMBRANE OVER 50 CRUSHED STONE, COURSE AGGREGATE OR OTHER MATERIAL AS APPROVED BY THE ENGINEER.

F4 ANY PROPOSED EXCAVATIONS WHICH ARE TO BE WITHIN THE ZONE OF INFLUENCE OF AN EXISTING STRUCTURE SHALL BE REFERRED TO THE ENGINEER PRIOR TO COMMENCEMENT.

BLUE HAVEN POOLS & SPAS PTY LTD

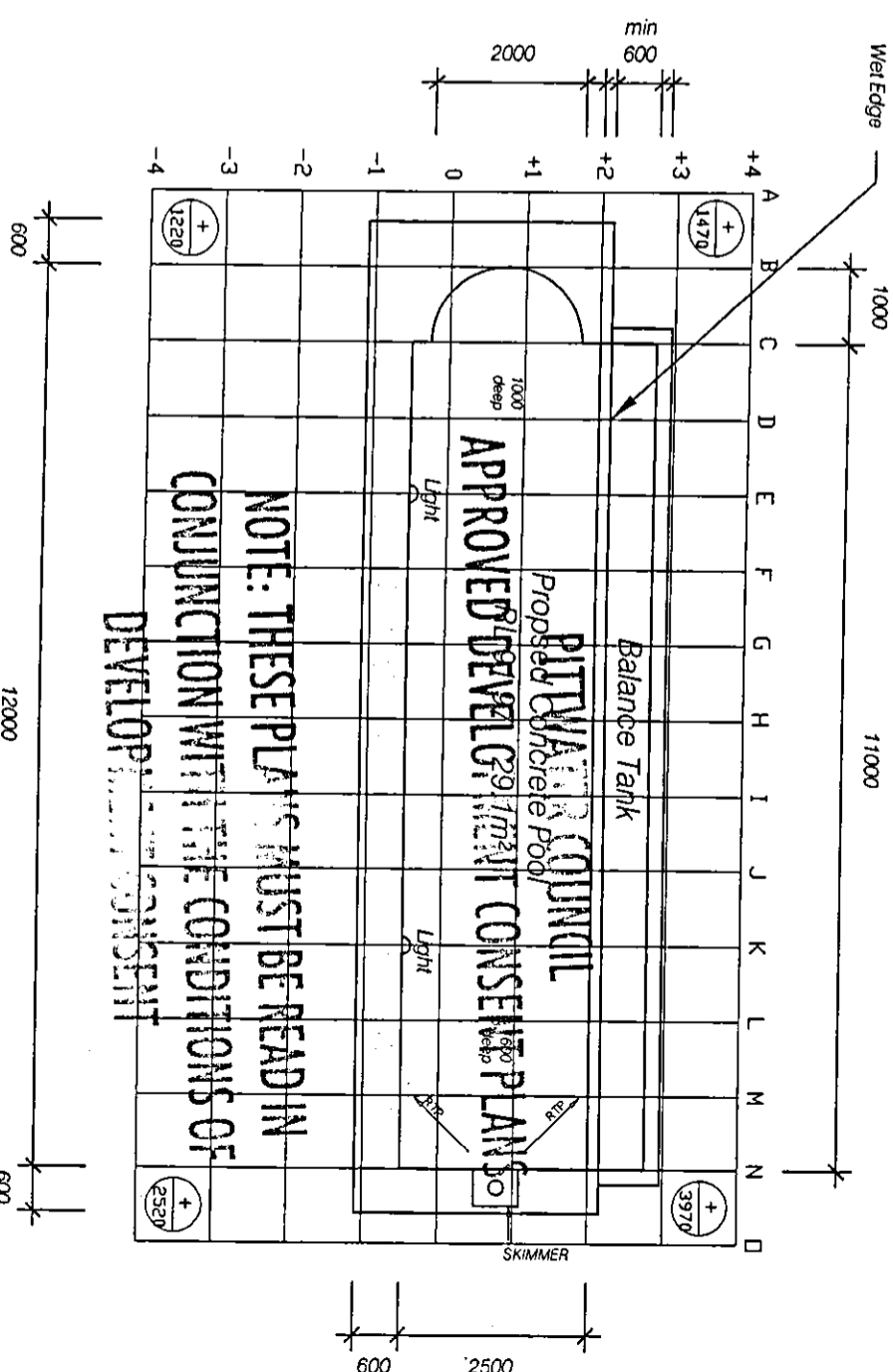


ABN 25 003 832 29

Site Plan & Pool Plans prepared by Blue Hoven Pools & Spas Pty Ltd
68 Hume Highway Lansvale NSW 2166

Telephone: (02) 9728 0444 Fax: (02) 9728 0455

BE (Hons), MEngSci, FEAust, CPEng
Registered NPER 3719 (Structural & Civil)



LEVELS SHOWN INDICATE FINISHED STRUCTURAL LEVEL

⊕	ABOVE	⊖	OR BELOW EXISTING GROUND
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This information relates to
Construction Compiling & Development Certificate
----- 5001315
LEAFlet by Michael Shanahan (02) 4656 5811
Building Professionals Board (BPB03/0)

POOL PLAN

SCALE 1-100

PROPOSED SWIMMING POOL STRUCTURAL DETAILS

FOR PHILLIPS RESIDENCE

AT 11 GILWINGA DRIVE, BAYVIEW

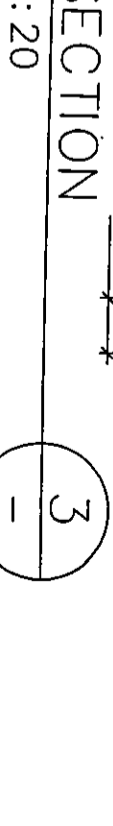
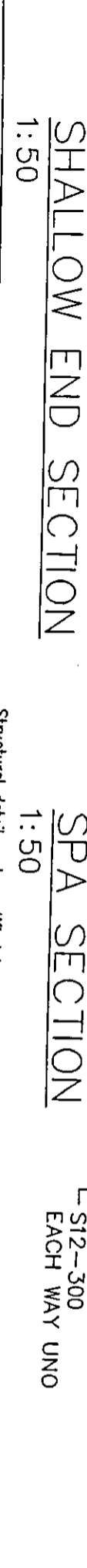
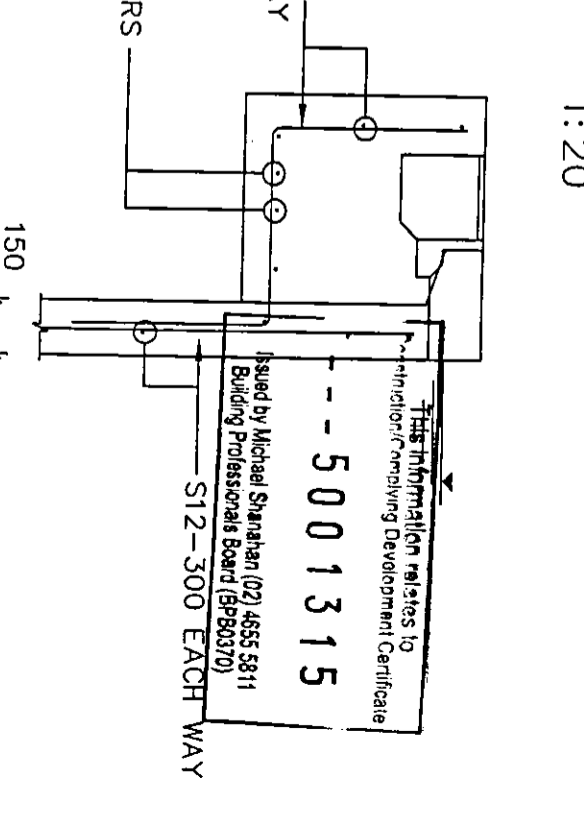
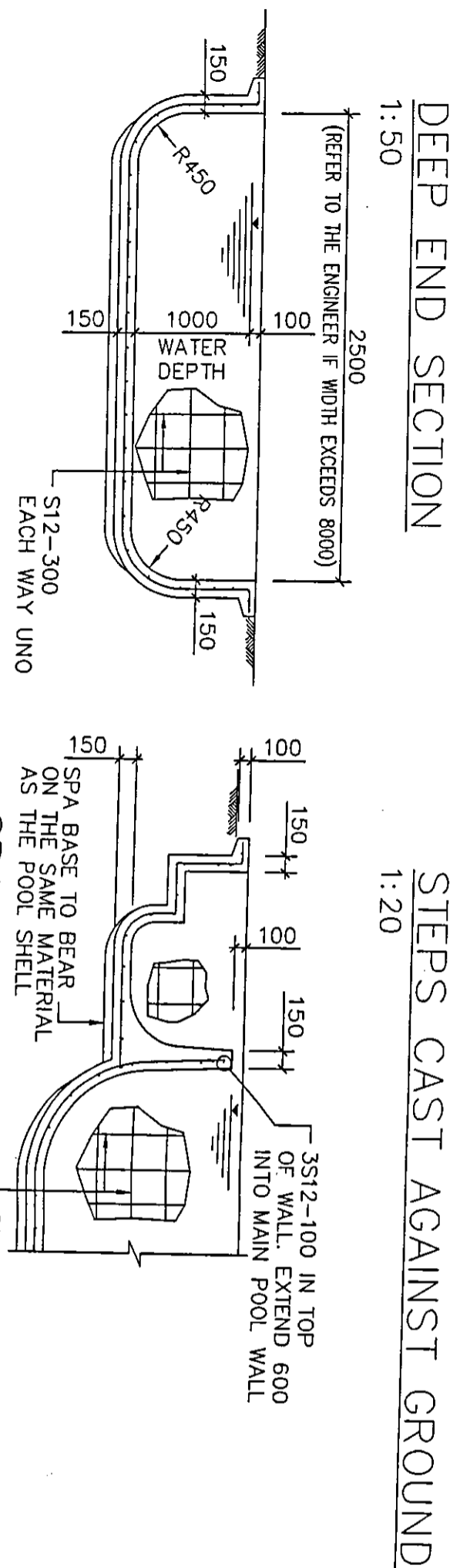
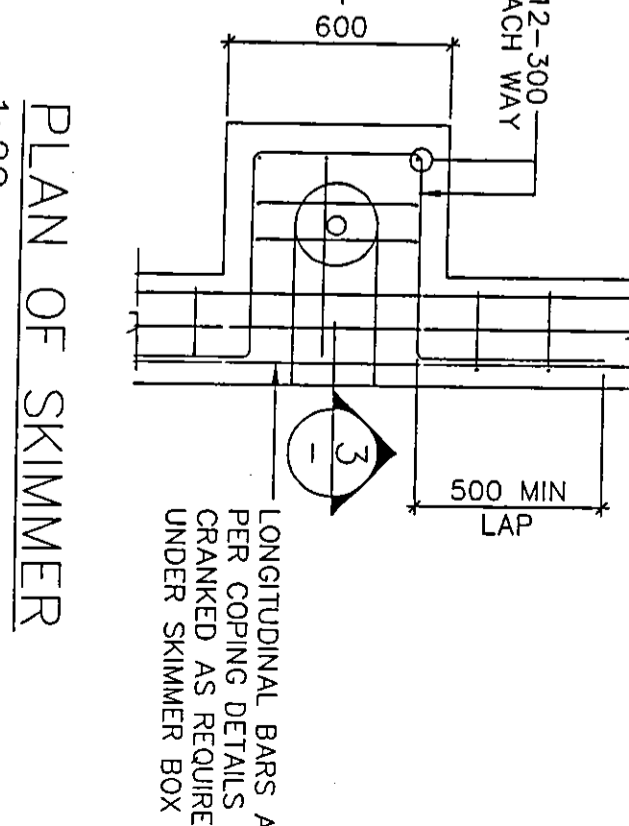
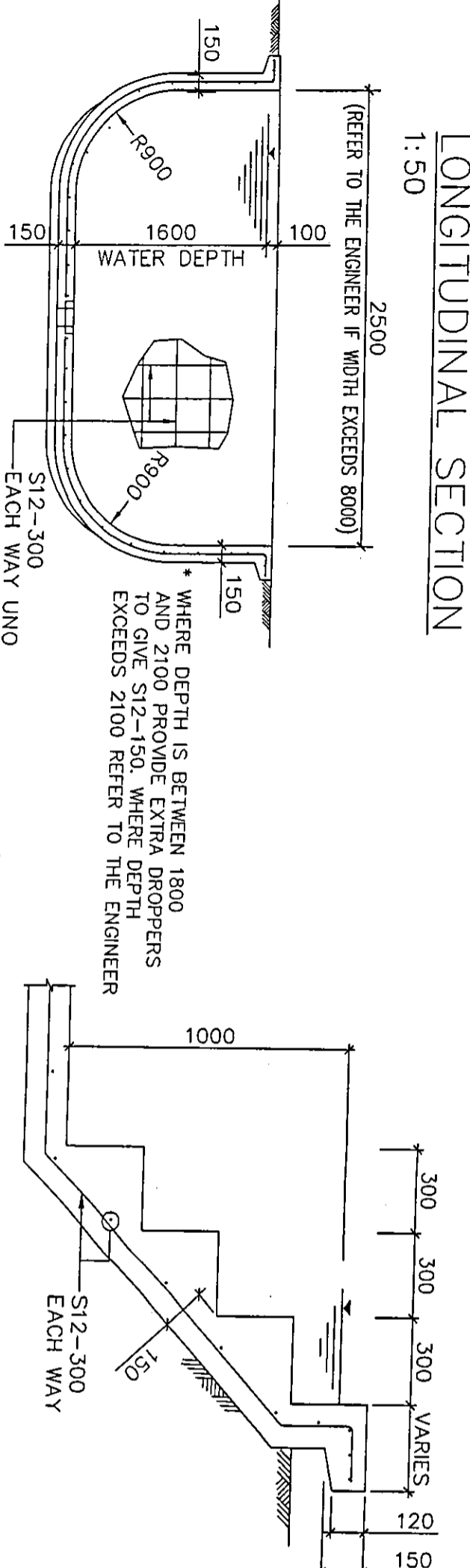
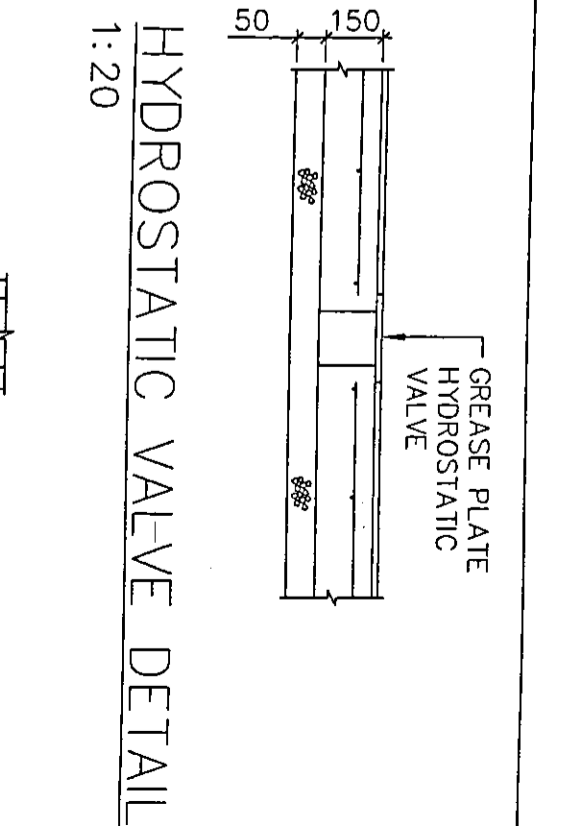
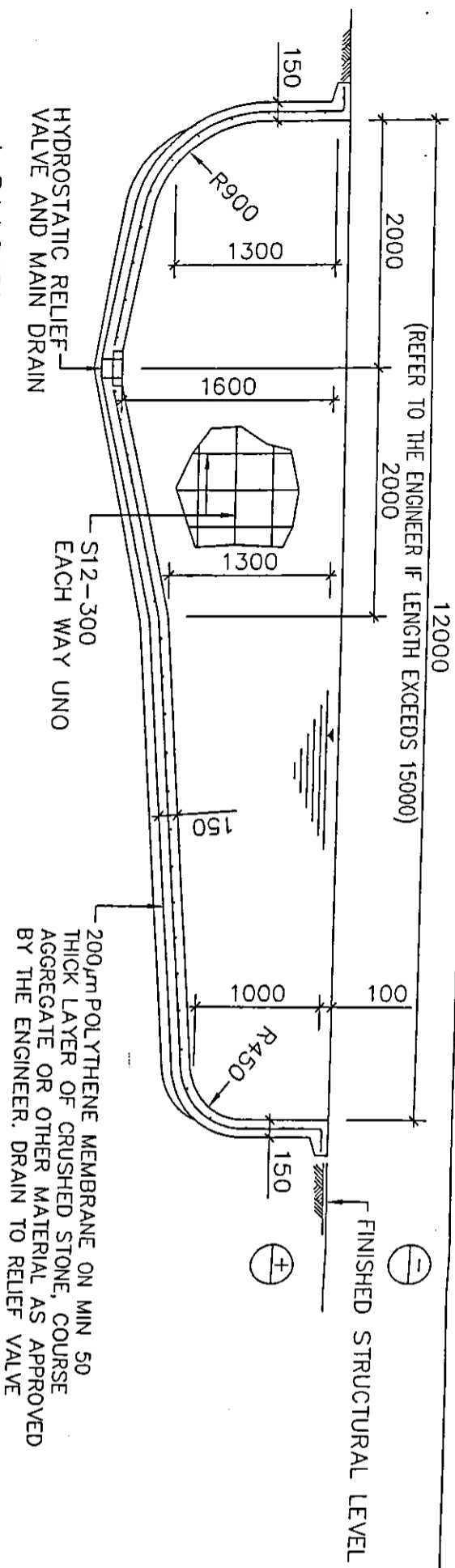
DATE: 13/02/07

DRAWN: KSR

SHEET 2 OF 8

DRAWING/CONTRACT NO.

LC - 9002405



BLUE HAVEN POOLS & SPAS PTY LTD

Site Plan & Pool Plans prepared by Blue Haven Pools & Spas Pty Ltd
68 Hume Highway Lansvale NSW 2166
Telephone: (02) 9728 0444 Fax: (02) 9728 0455

Keighran and Associates Pty Ltd
Consulting Structural and Civil Engineers
ABN 25 003 832 291
APPROVED *Signature* DATE 13/02/07
BE (Hons), MEngSci, FEAust, CPEng
Registered NPER 3719 (Structural & Civil)

Structural details only certified by:

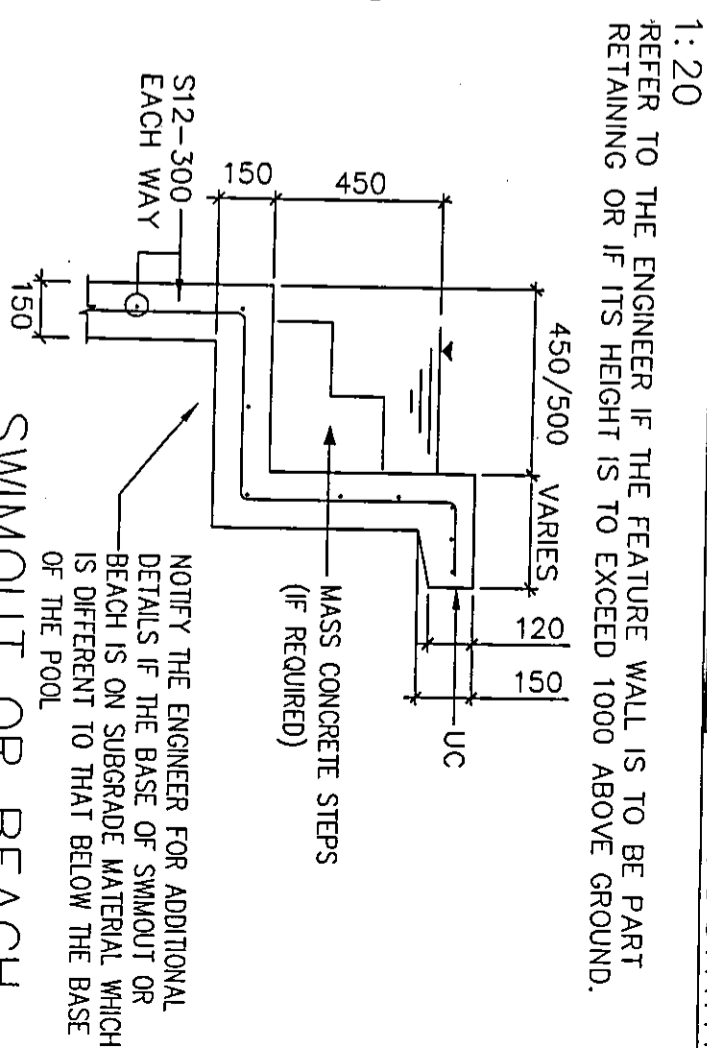
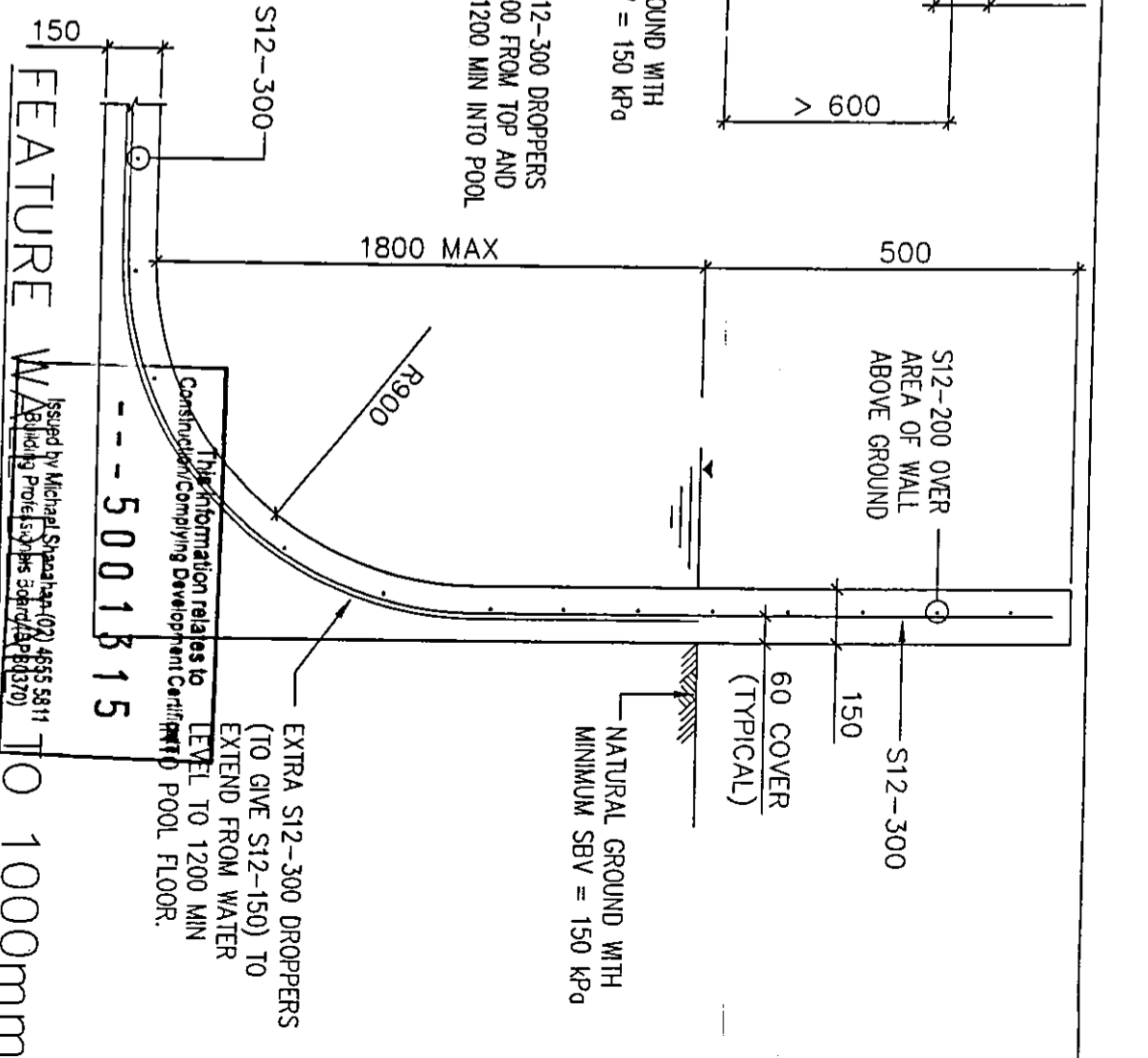
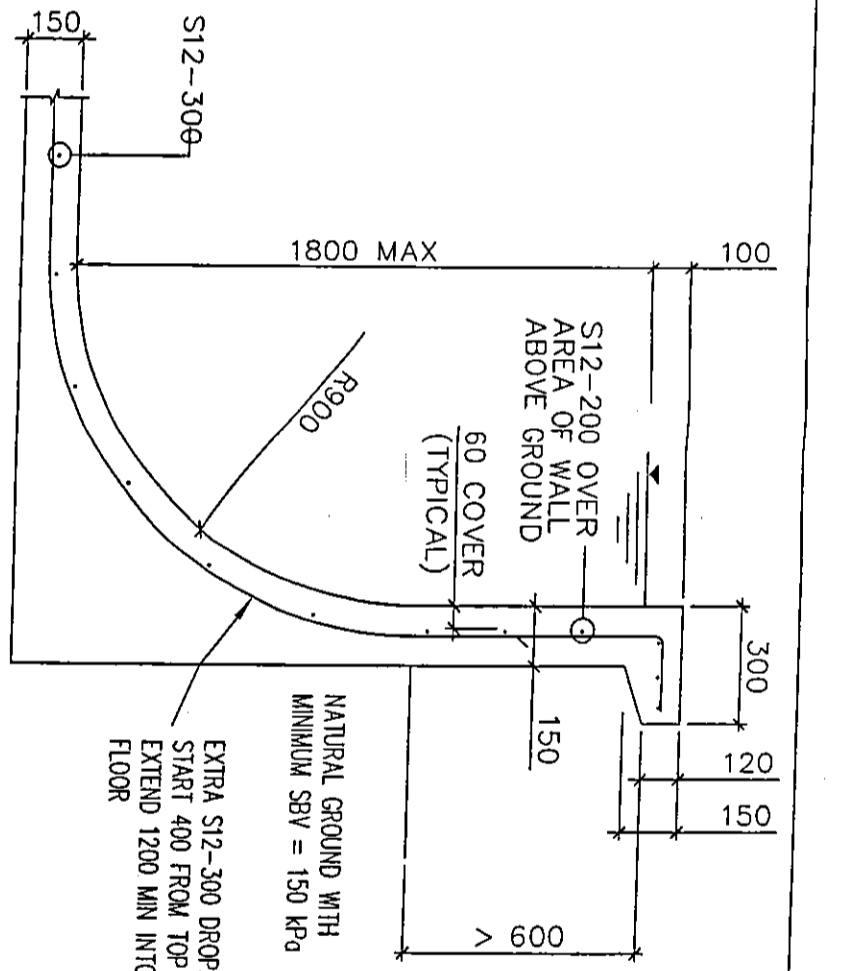
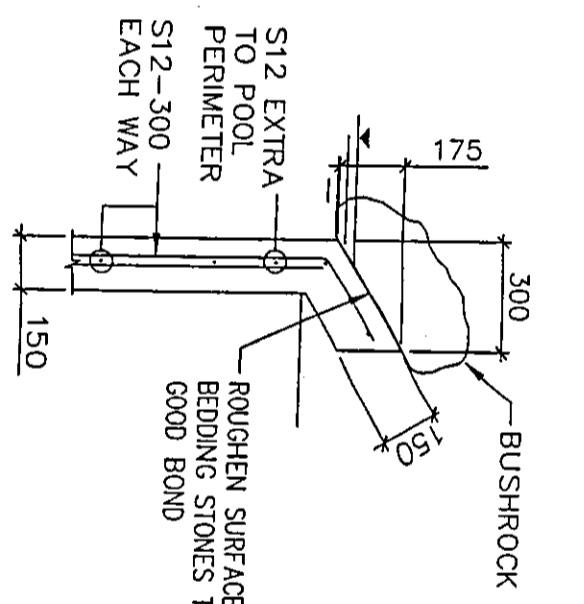
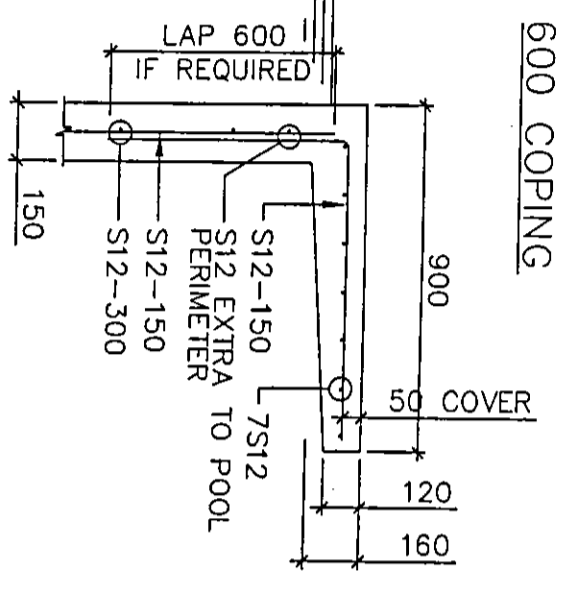
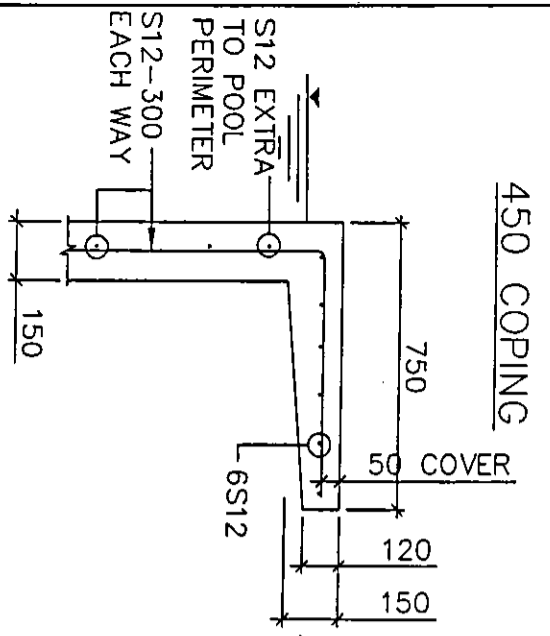
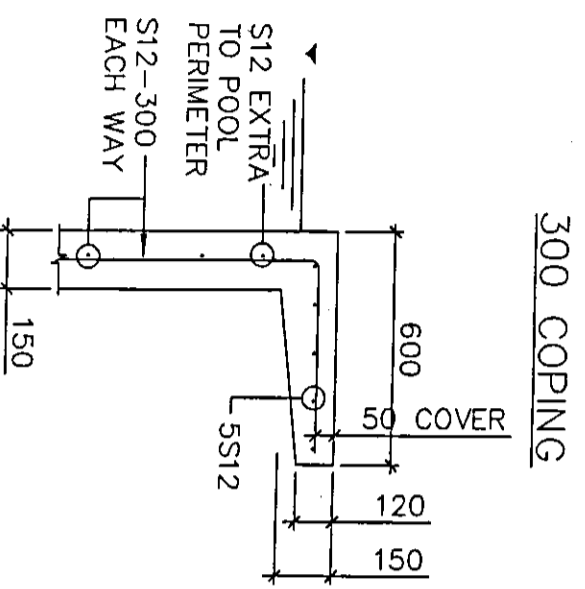
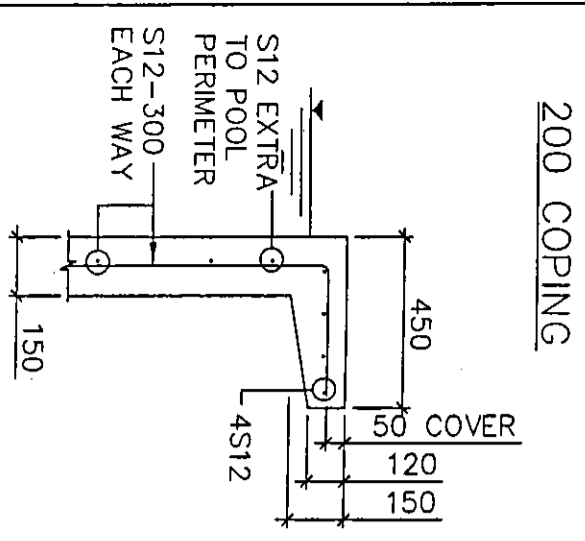
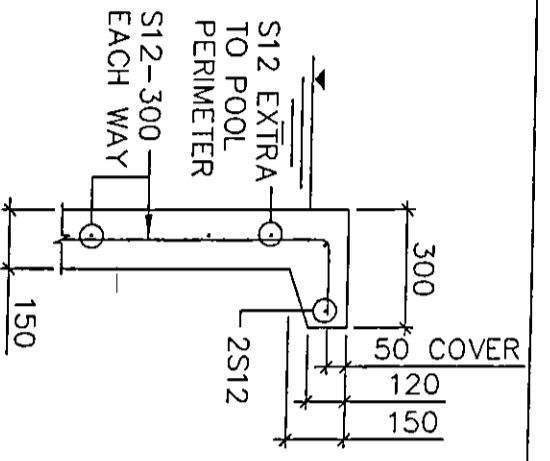
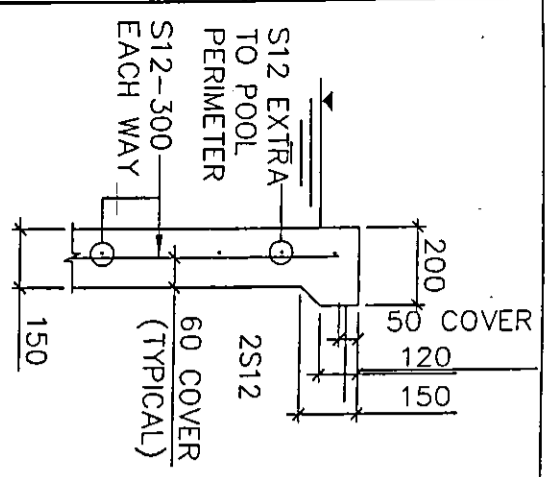
PROPOSED SWIMMING POOL STRUCTURAL DETAILS
FOR PHILLIPS RESIDENCE
AT 11 GILWINGA DRIVE, BAYVIEW

DATE: 13/02/07
DRAWN: KSR
SHEET 3 OF 8

DRAWING/CONTRACT No.
BHP - 07T15027
LC - 9002405

Issued by Michael Shanahan (02) 4655 5811
Building Professionals Board (BPB0370)

Information relates to
Structural Engineering Development Certificate
5001315



COPING DETAILS

1:20

BLUE HAVEN POOLS & SPAS PTY LTD

Site Plan & Pool Plans prepared by Blue Haven Pools & Spas Pty Ltd
68 Hume Highway Lansvale NSW 2166
Telephone: (02) 9728 0444 Fax: (02) 9728 0455



Keighran and Associates Pty Ltd
Consulting Structural and Civil Engineers
ABN 25 003 832 291
APPROVED
BE (Hons), MEngSci, FIE Aust, CPEng
Registered NPER 3719 (Structural & Civil)

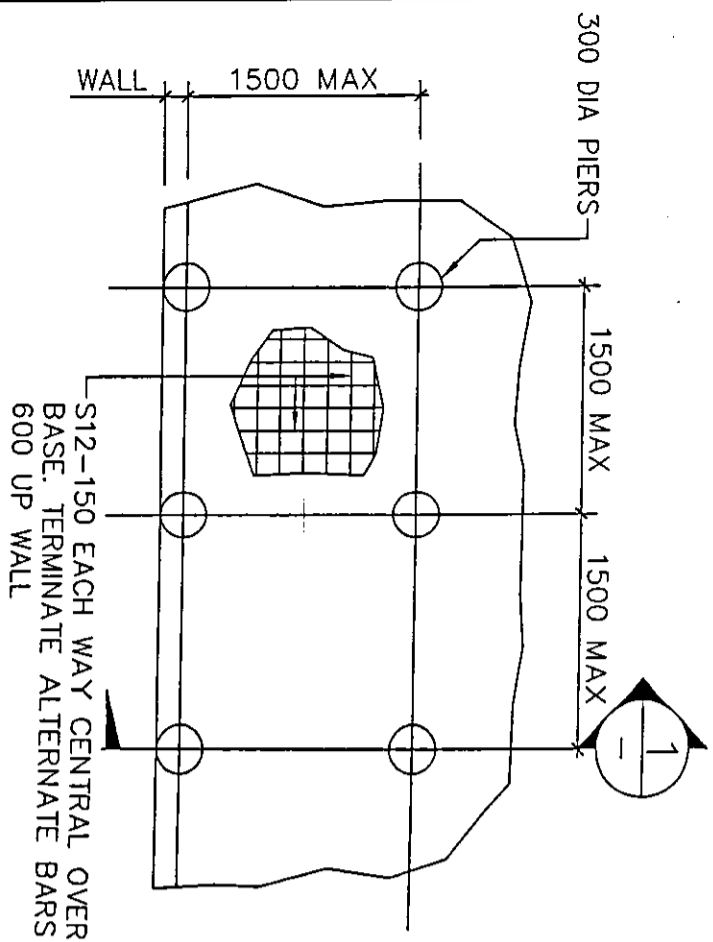


PROPOSED SWIMMING POOL STRUCTURAL DETAILS
FOR PHILLIPS RESIDENCE
AT 11 GILWINGA DRIVE, BAYVIEW

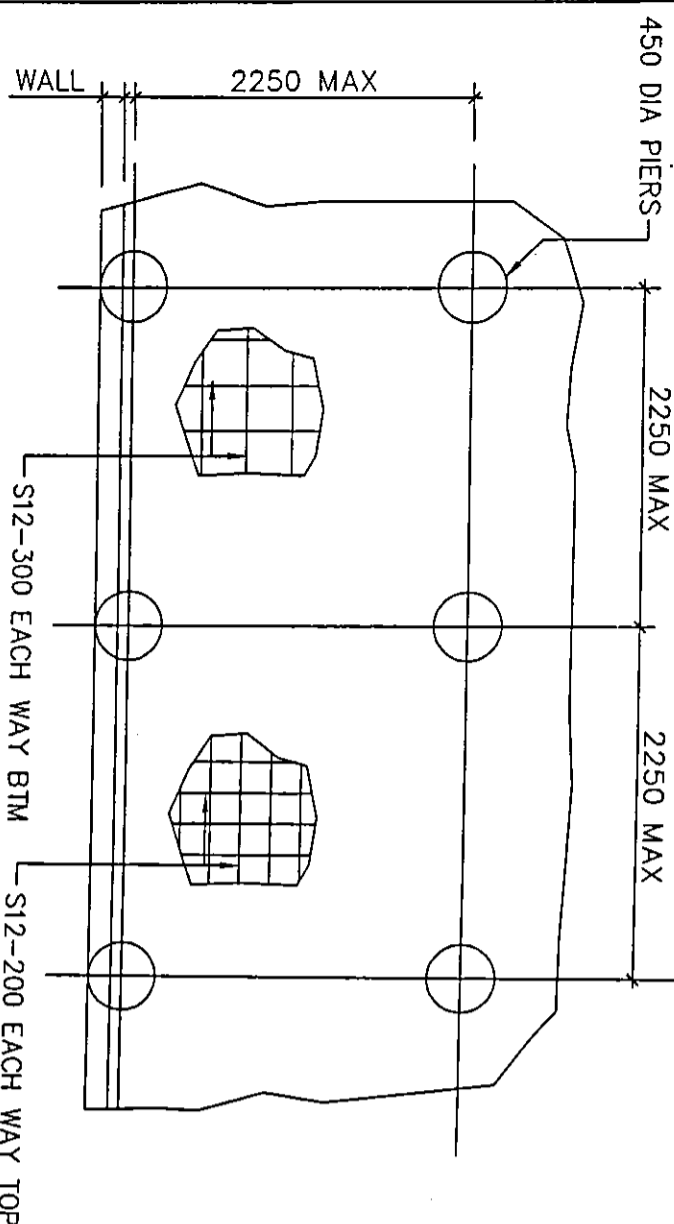
1:20

SWIMOUT OR BEACH

DATE: 13/02/07
DRAWN: KSR
SHEET 4 OF 8
DRAWING/CONTRACT No.
BHP - 0715027
LC - 9002405



PART PLAN - OPTION 1



PART PLAN - OPTION 2

SUSPENDED POOL PLANS

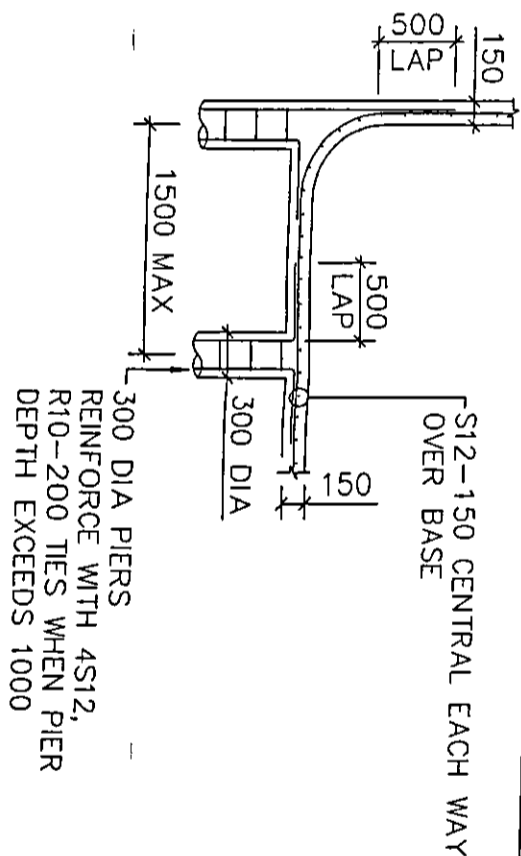
PIERS 1:50

$F_c = 20 \text{ MPa}$
60 COVER TO REINFORCEMENT
PIERS TO BE FOUNDED IN UNIFORM ROCK WITH A SAFE BEARING VALUE OF 800 kPa. REFER TO THE ENGINEER IF DEPTH OF PIERS EXCEEDS 3000

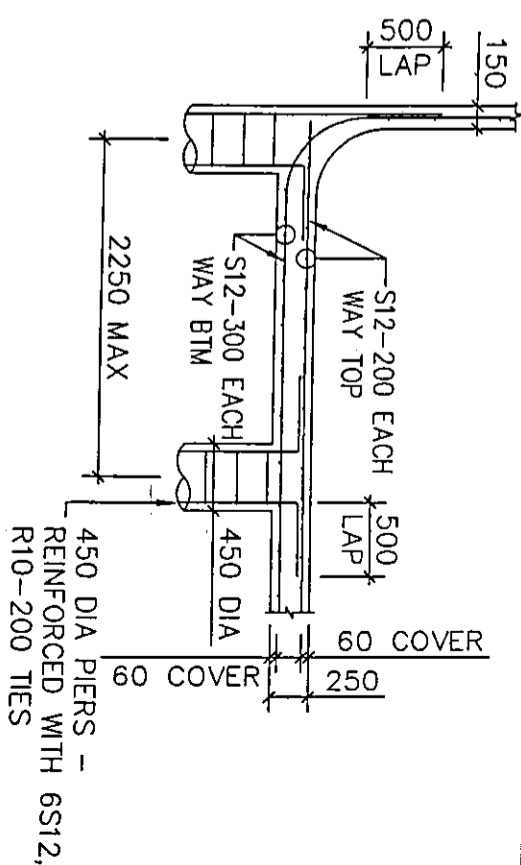
Structural details only certified by:

BLUE HAVEN POOLS & SPAS PTY LTD

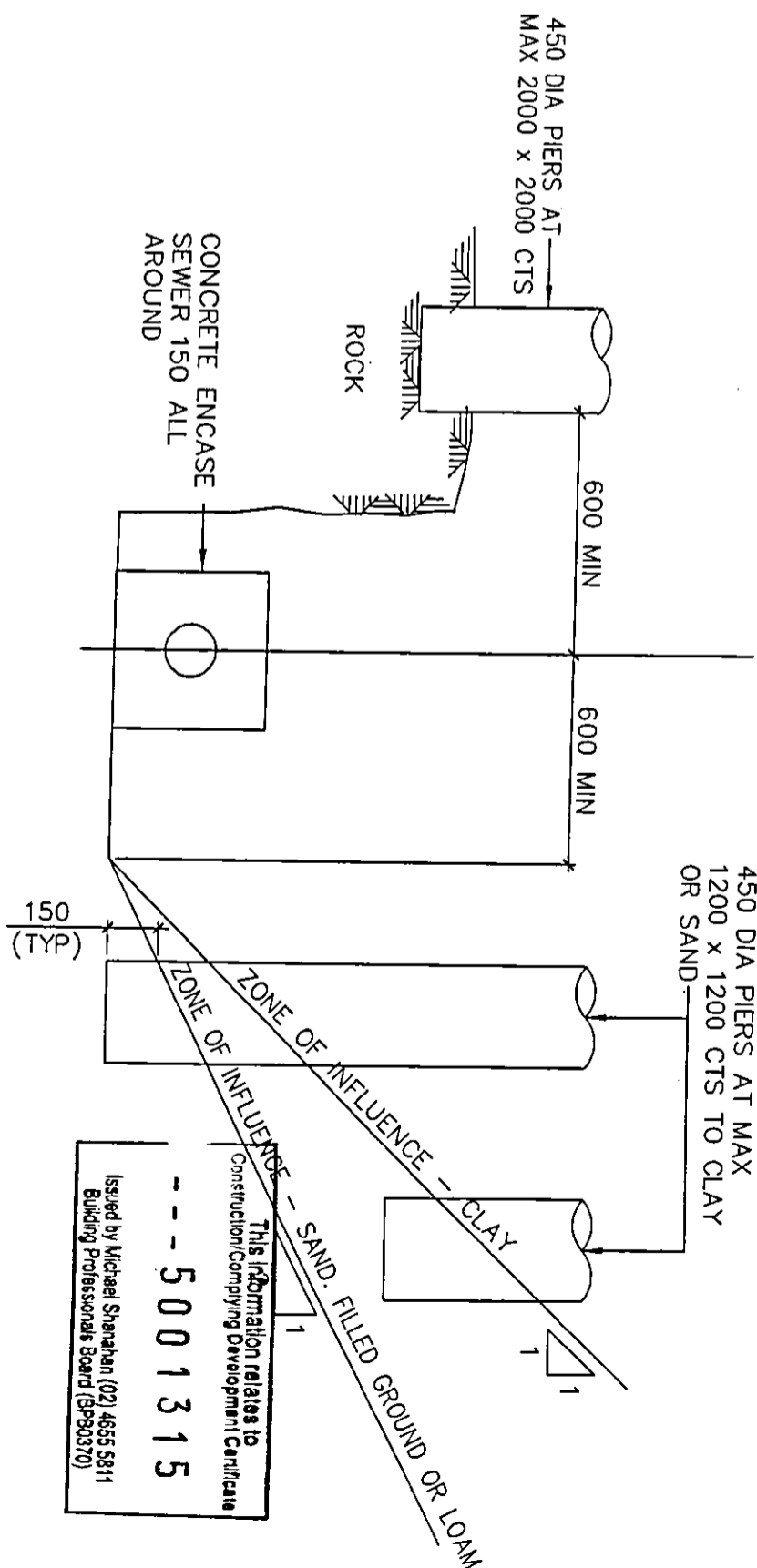
Site Plan & Pool Plans prepared by Blue Haven Pools & Spas Pty Ltd
68 Hume Highway Lansvale NSW 2166
Telephone: (02) 9728 0444 Fax: (02) 9728 0455



SECTION 1:50



SECTION 2:50



TYPICAL BUILDING OVER SYDNEY WATER SEWER

1:20

1. CLAY OR SAND TO HAVE A MINIMUM SAFE BEARING VALUE OF 200 kPa
2. ROCK TO HAVE A MINIMUM SAFE BEARING VALUE OF 800 kPa
3. POOL BASE TO BE AS PER SUSPENDED POOL FOR RELEVANT PIER SPACING

PROPOSED SWIMMING POOL STRUCTURAL DETAILS

FOR PHILLIPS RESIDENCE
AT 11 GILWINGA DRIVE, BAYVIEW

This information relates to
Construction/Complying Development Certificate
--- 5001315
Issued by Michael Shanahan (02) 4655 5811
Building Professionals Board (BPB0370)

Keighran and Associates Pty Ltd
Consulting Structural and Civil Engineers
ABN 25 003 832 291
APPROVED
DATE 13/02/07
BE (Hons), MEngSci, FEAust, CPEng
Registered NPER 3719 (Structural & Civil)

Registered NPER 3719 (Structural & Civil)



DATE: 13/02/07

DRAWN: KSR

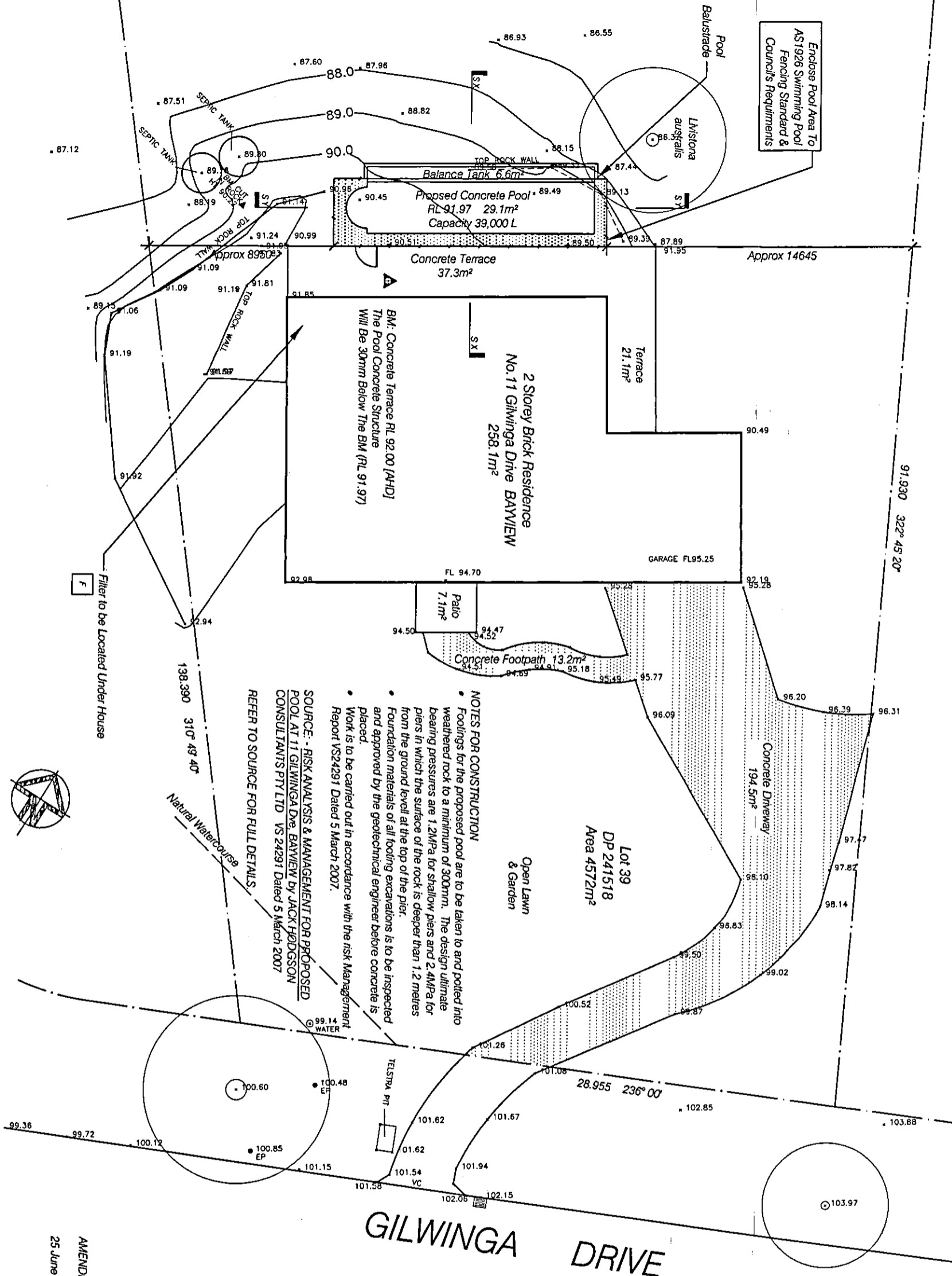
SHEET 5 OF 8

DRAWING/CONTRACT No.

BHP - 0715027

LC - 9002405

Enclose Pool Area To
AS1926 Swimming Pool
Fencing Standard &
Council's Requirements



GILWINGA DRIVE

Legend:
Boundary
Existing Spot Heights
Paving
Existing Tree

IDENTIFY & MARK THE LOCATION OF ALL ABOVE & BELOW GROUND SERVICES PRIOR TO COMMENCING ANY WORK. TAKE ALL REQUIRED PRECAUTIONS TO PREVENT DAMAGE TO SERVICES.

BM: Concrete Terrace RL 92.00 (AHD)
The Pool Concrete Structure
Will Be 30mm Below The BM (RL 91.97)

NOTE: FENCE LOCATIONS HAVE NOT BEEN DETERMINED IN RELATION TO BOUNDARIES

SITE CALCULATIONS

SITE - 457.2m²	
PROPOSED SITE COVERAGE	
Residence -	258.1m²
Driveway -	194.5m²
Patio -	7.1m²
Concrete Path -	13.2m²
Concrete Terrace -	58.4m²
Proposed Pool -	29.1m²
Proposed Balance Tank -	6.6m²
Proposed Pool Coping -	12.2m²

PROPOSED IMPERVIOUS AREAS
(not including pool, balance tank)
543.5m² (11.9%)

PROPOSED SOFT LANDSCAPED AREAS
(not including areas < 2m)
197.96m²
Information relates to
Construction/Engineering Development Certificate
5001315
Geotechnical Engineer
25 June 2007

SCALE 1:200

SITE PLAN

BLUE HAVEN POOLS & SPAS PTY LTD

Keighran and Associates Pty Ltd
Consulting Structural and Civil Engineers
ABN 25 003 832 291

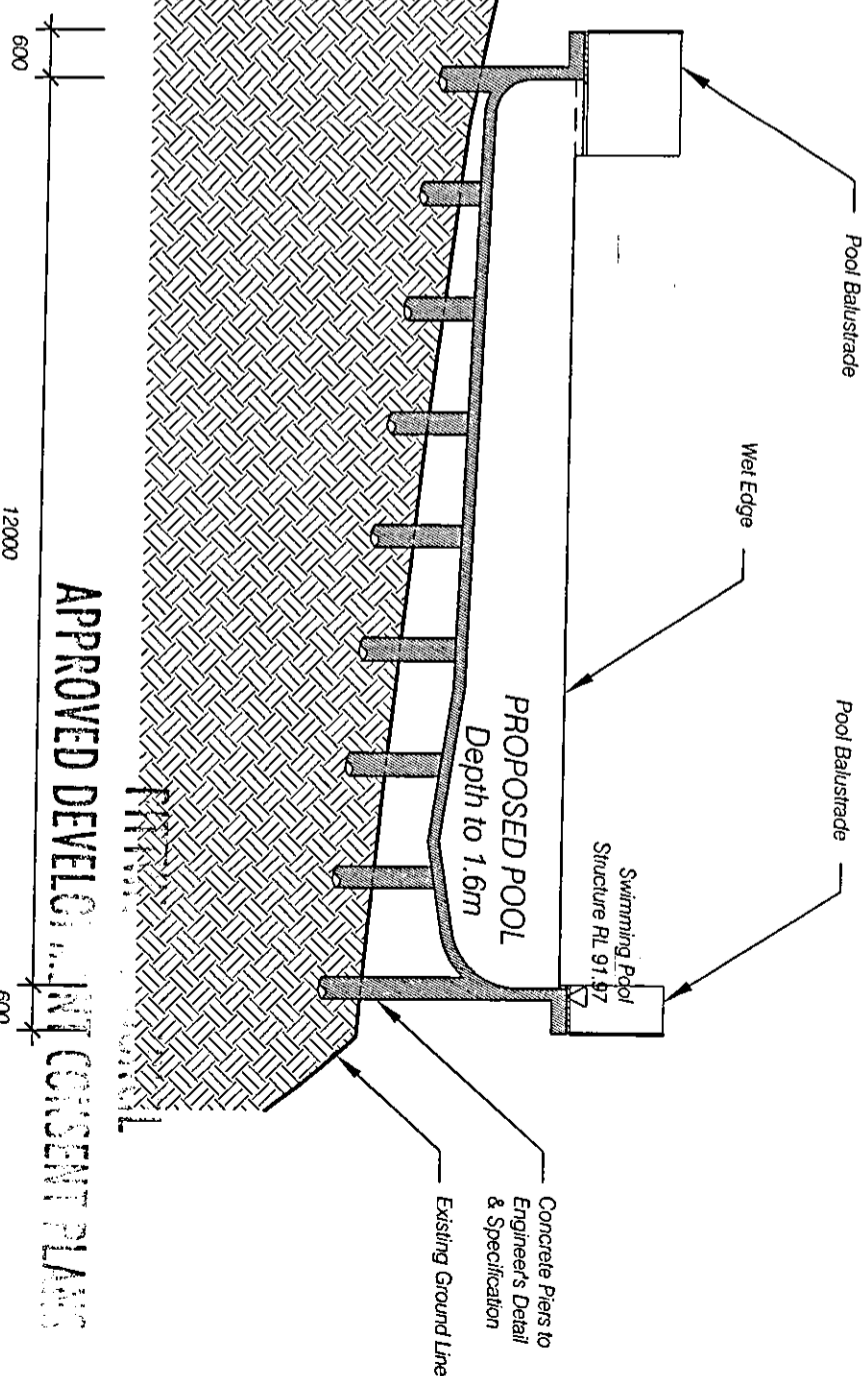
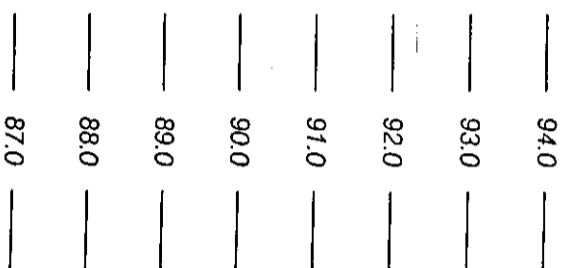
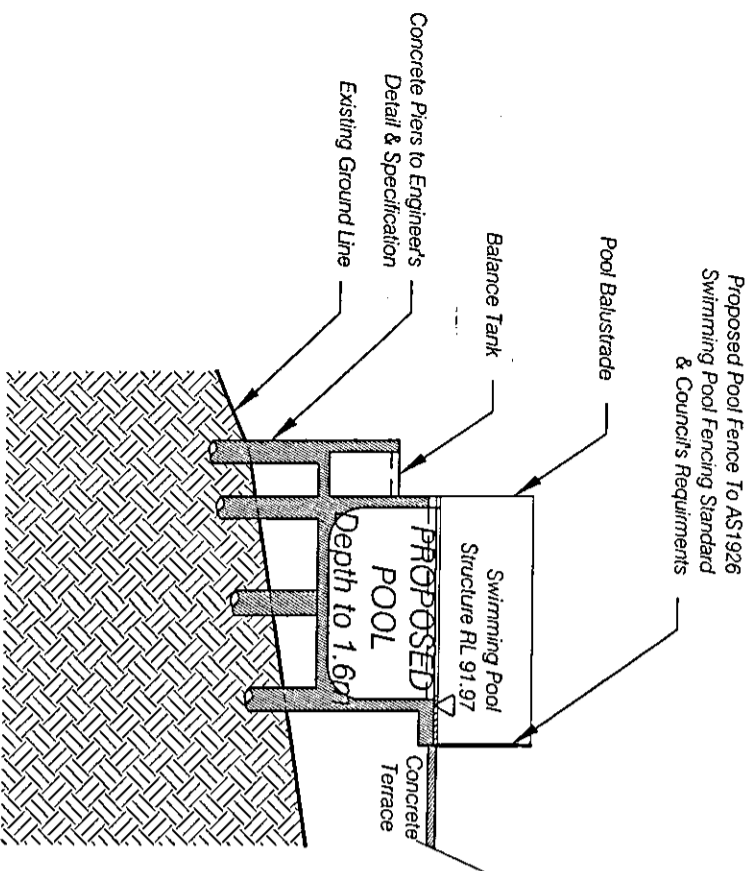
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PROPOSED SWIMMING POOL STRUCTURAL DETAILS
FOR PHILLIPS RESIDENCE
AT 11 GILWINGA DRIVE, BAYVIEW

DATE: 13/02/07
DRAWN: KSR
SHEET 6 OF 8
DRAWING/CONTRACT NO.
BHP - 07115027
LC - 9002405



APPROVED DEVELOPMENT IN CONSENT PLANS

NOTE: THESE PLANS MUST BE READ IN CONJUNCTION WITH THE CONDITIONS OF DEVELOPMENT CONSENT

Elevation X

1 - 100 @ A3

POOL SHELL APPROXIMATE ONLY, REFER ENGINEERS DETAIL & SPECIFICATION I

POOL SHELL APPROXIMATE ONLY, REFER ENGINEERS DETAIL & SPECIFICATION I

Elevation Y

1 - 100 @ A3

This information relates to Construction/Complying Development Certificate

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Building Professionals Board (SP80370)

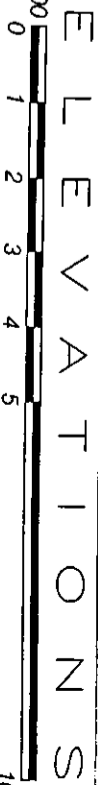
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PROPOSED SWIMMING POOL
FOR PHILLIPS RESIDENCE
AT 11 GILWINGA DRIVE, BAYVIEW

SCALE 1:100



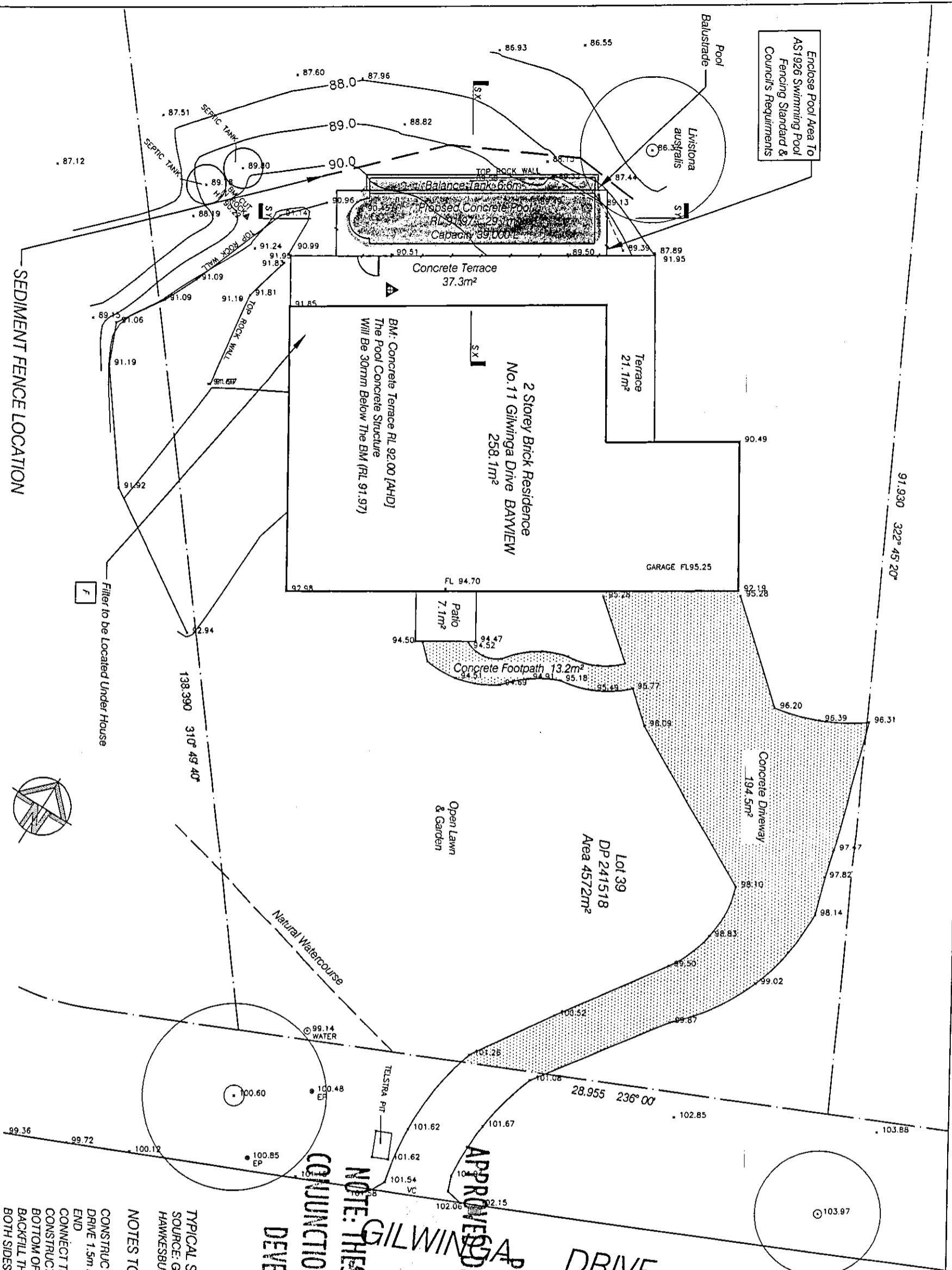
ELEVATION S

DATE: 13/02/07

DRAWN: KSR

SHEET 7 OF 8

DRAWING/CONTRACT No.
BHP - 07115027
LC - 9002405



Legend

- Boundary
- Existing Spot Heights
- Paving
- Existing Tree

IDENTIFY & MARK THE LOCATION OF ALL ABOVE & BELOW GROUND SERVICES PRIOR TO COMMENCING ANY WORK. TAKE ALL REQUIRED PRECAUTIONS TO PREVENT DAMAGE TO SERVICES

▲ BM: Concrete Terrace RL 92.00 (AHD)
The Pool Concrete Structure Will Be 30mm Below The BM (RL 91.97)

□ Sound Proof Filter Box

NOTE: FENCE LOCATIONS HAVE NOT BEEN DETERMINED IN RELATION TO BOUNDARIES

This information relates to Construction/Complying Development Certificate

5001315

SEDIMENT FENCE DETAIL

NOT TO SCALE

SEDIMENT FENCE CONSTRUCTION

SOURCE: GUIDELINES FOR EROSION & SEDIMENT CONTROL ON BUILDING SITES HAWKESBURY-NAPEAN CATCHMENT MANAGEMENT TRUST WINDSOR, AUSTRALIA

NOTES TO SILT & SEDIMENT CONTROL PLAN

CONSTRUCT SEDIMENT FENCE ALONG CONTOURS OF SITE DRIVE 1.5m POSTS INTO THE GROUND. PROVIDE UPHILL RETURNS AT EITHER END

CONNECT THE GEOTEXTILE FABRIC TO THE POSTS IN A SECURE MANNER CONSTRUCT A TRENCH ALONG THE UPSLOPE SIDE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED

BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT ON BOTH SIDES

MAINTAIN THE FENCE REGULARLY TO ENSURE EFFICIENCY

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PROPOSED SWIMMING POOL

FOR PHILLIPS RESIDENCE

AT 11 GILWINGA DRIVE, BAYVIEW

SCALE 1:200

0 2 4 6 8 10 20

SILT & SEDIMENT CONTROL PLAN

DATE: 13/02/07

DRAWN: KSR

SHEET 8 OF 8

DRAWING/CONTRACT No.
BHP - 07115027
LC - 9002405