



Legend

- Boundary
- To Be Removed
- 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: Alfresco RL 10.00 [Assumed]
The Pool Concrete Structure
Will Be 50mm Below The BM (RL 9.95)

Sound Proof Filter Box

POOL OVERFLOW TO BE PUMPED TO SEWER TO COUNCIL'S & SYDNEY WATER'S REQUIREMENTS

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

SITE CALCULATIONS

SITE - 550.9m²
Right of Access - 74.1m²

PROPOSED SITE COVERAGE

Residence - 154.0m²
Proposed Pool - 19.6m²
Proposed Pool Coping - 3.9m²

PROPOSED SOFT LANDSCAPED AREA

(Required 20% - 110.18m²)

Min 1.5m wide

m² (% of Site Area)

PROPOSED SOFT LANDSCAPED AREAS

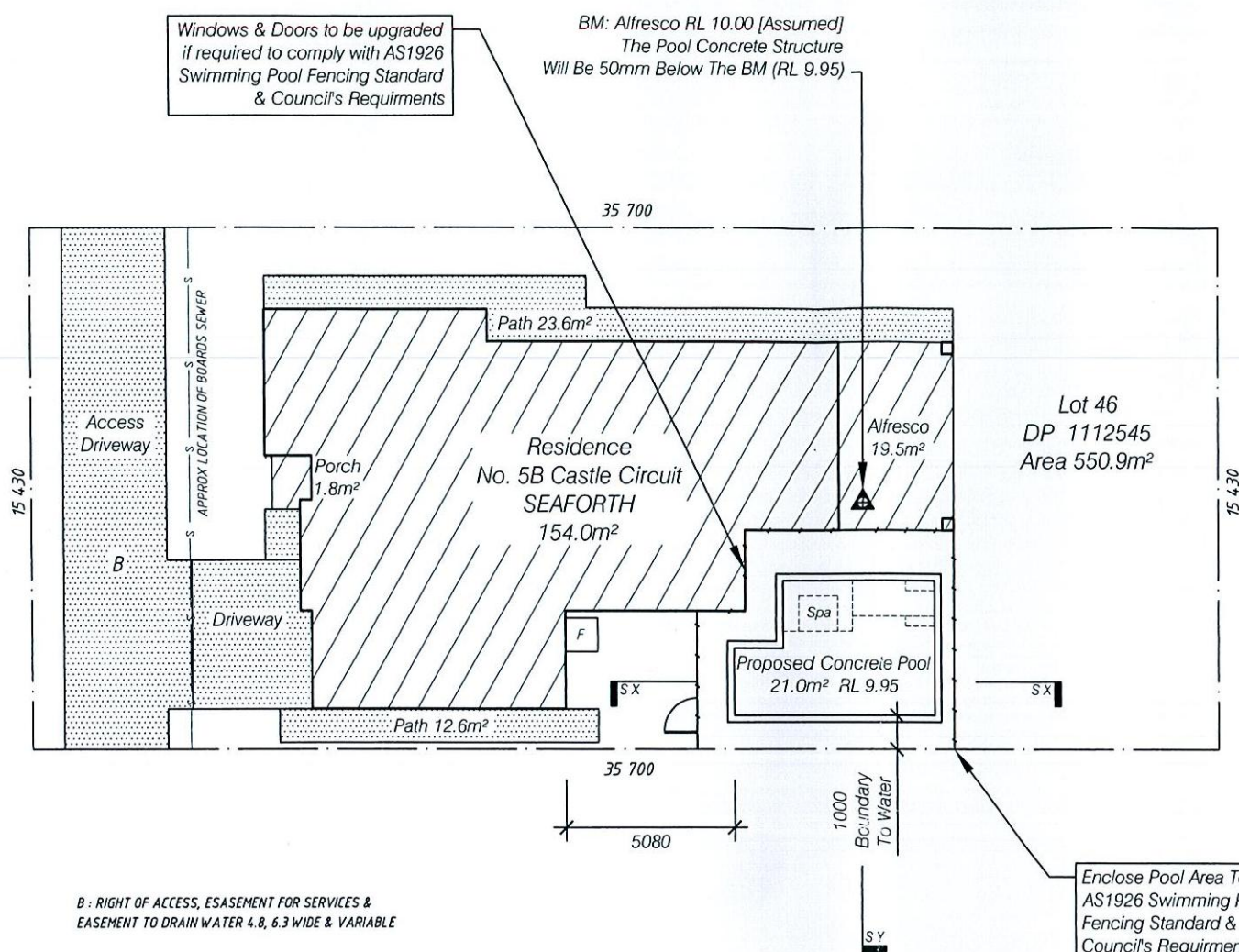
- Forward of Building Line (Required - 27m²)

28.9m²

- Behind Building Line (Required - 55m²)

125.3m²

This is the plan/spec. referred to in
Fitzgerald Certifiers Certificate
Cert. No. CDC 2011/0462
7.4.11
Paul Fitzgerald Accreditation No. BPB 0119



WAKEHURST PARKWAY

B: RIGHT OF ACCESS, EASEMENT FOR SERVICES & EASEMENT TO DRAIN WATER 4.8, 6.3 WIDE & VARIABLE

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

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



Keighran and Associates Pty Ltd

Consulting Structural and Civil Engineers ABN 25 003 832 291

APPROVED

Signature of Paul Fitzgerald

DATE 11/03/11

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



PROPOSED SWIMMING POOL STRUCTURAL DETAILS

FOR A & Y TURNBULL

AT 5B CASTLE CIRCUIT, SEAFORTH

DATE: 11/03/11

DRAWN: OL11-034

SHEET 1 OF 7

DRAWING/CONTRACT No.

BHP 11L18217

SCALE 1:200

SITE PLAN



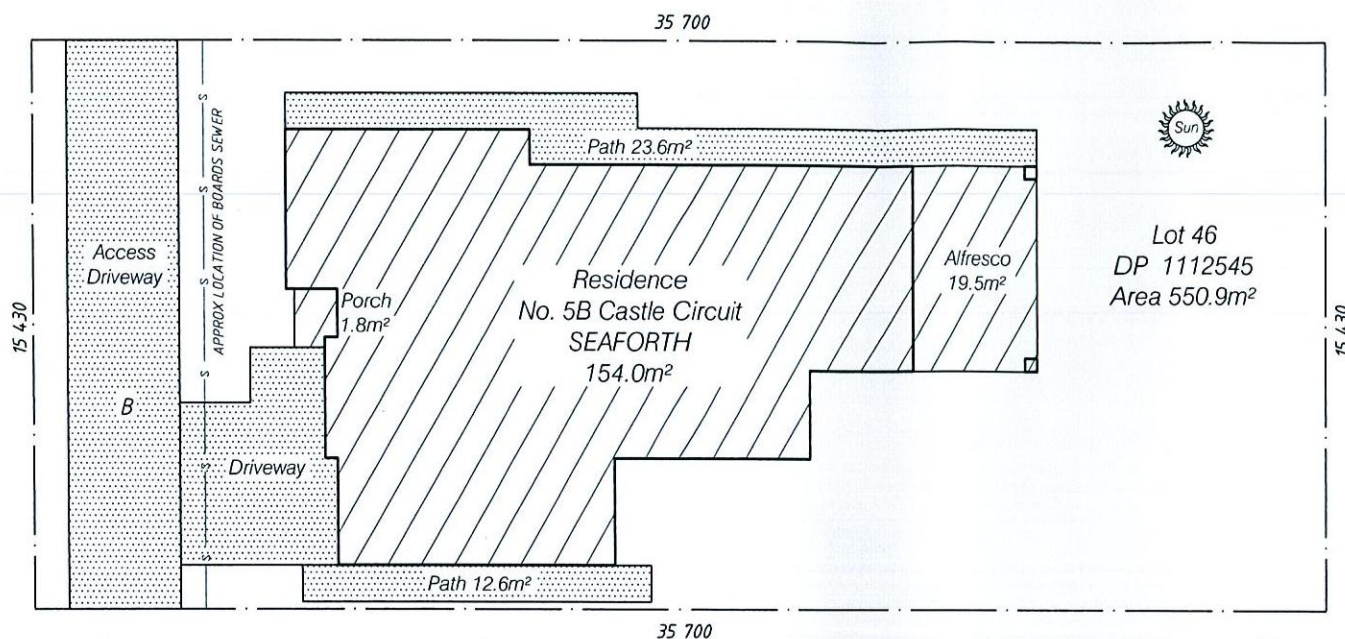
Legend

- Prevailing Wind Direction
- Receiving Direct Sun
- Photo Number & Direction
- Boundary
- To Be Removed
- Existing Spot Heights
- Paving
- Existing Tree

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



WAKEHURST PARKWAY



B: RIGHT OF ACCESS, EASEMENT FOR SERVICES & EASEMENT TO DRAIN WATER 4.8, 6.3 WIDE & VARIABLE

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SITE ANALYSIS

SCALE 1:200 0 2 4 6 8 10 20

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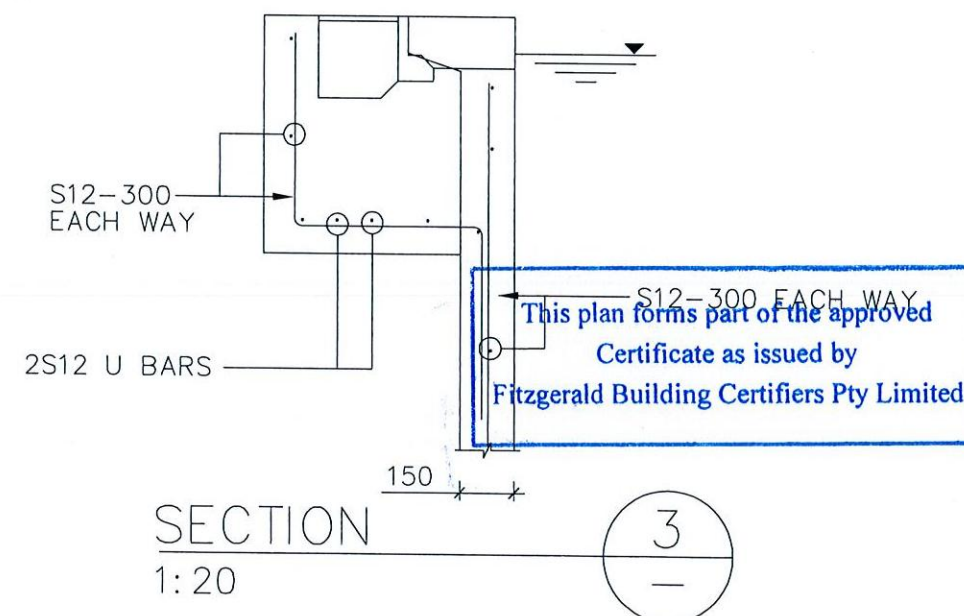
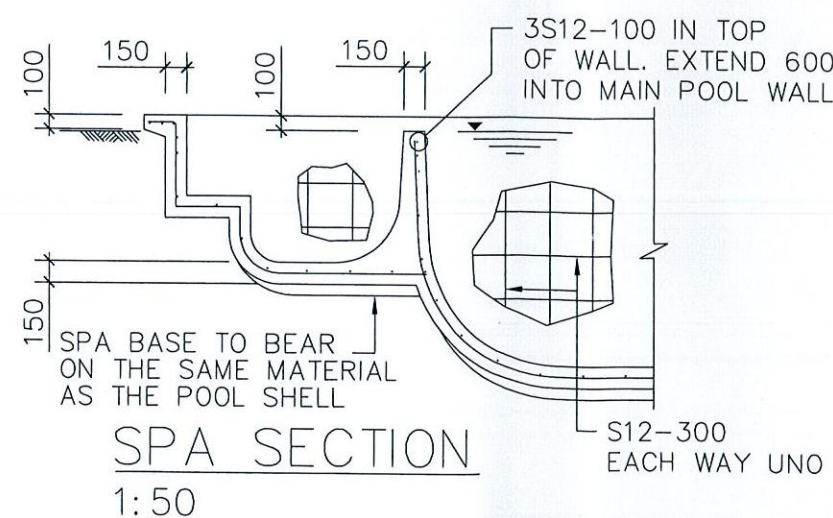
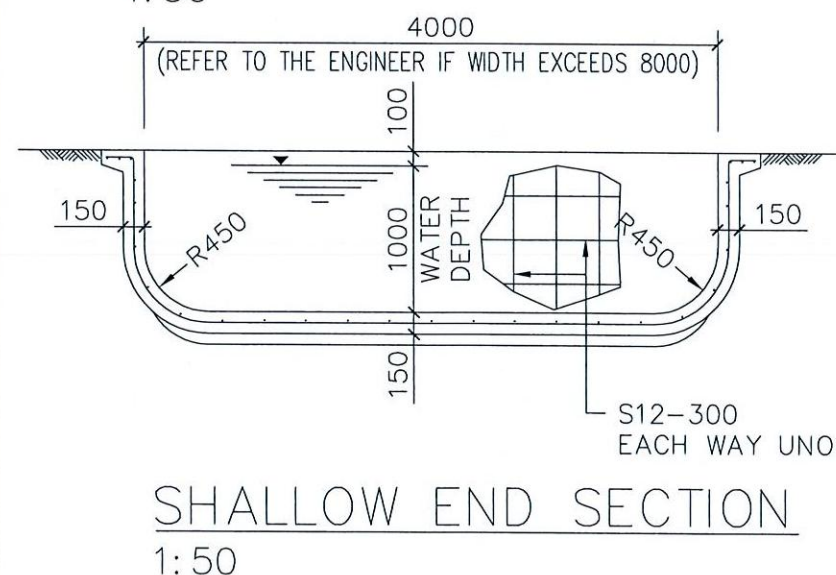
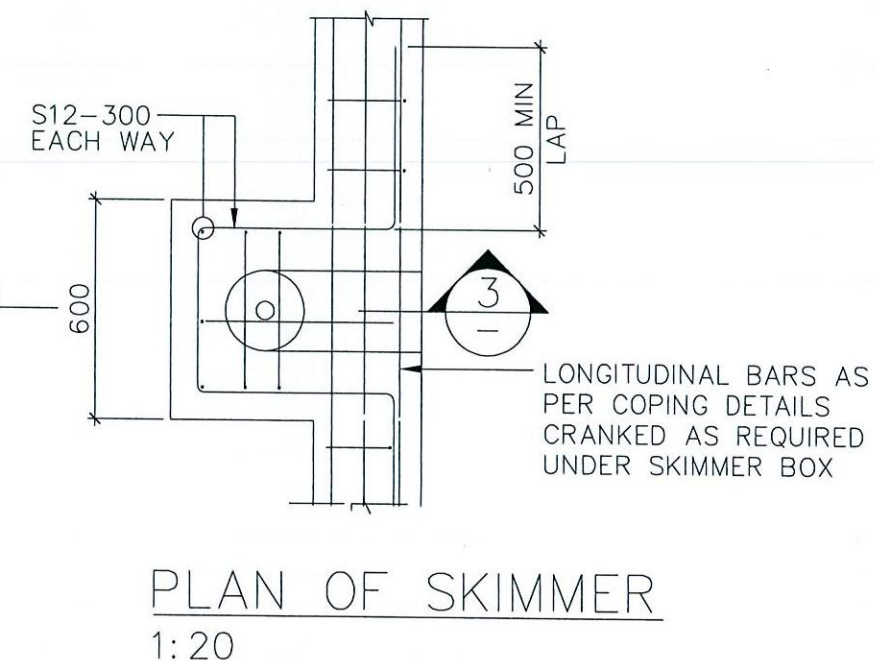
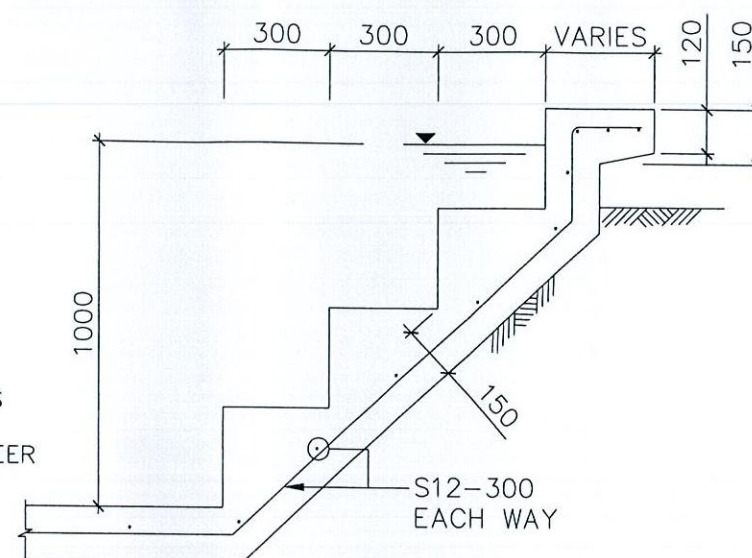
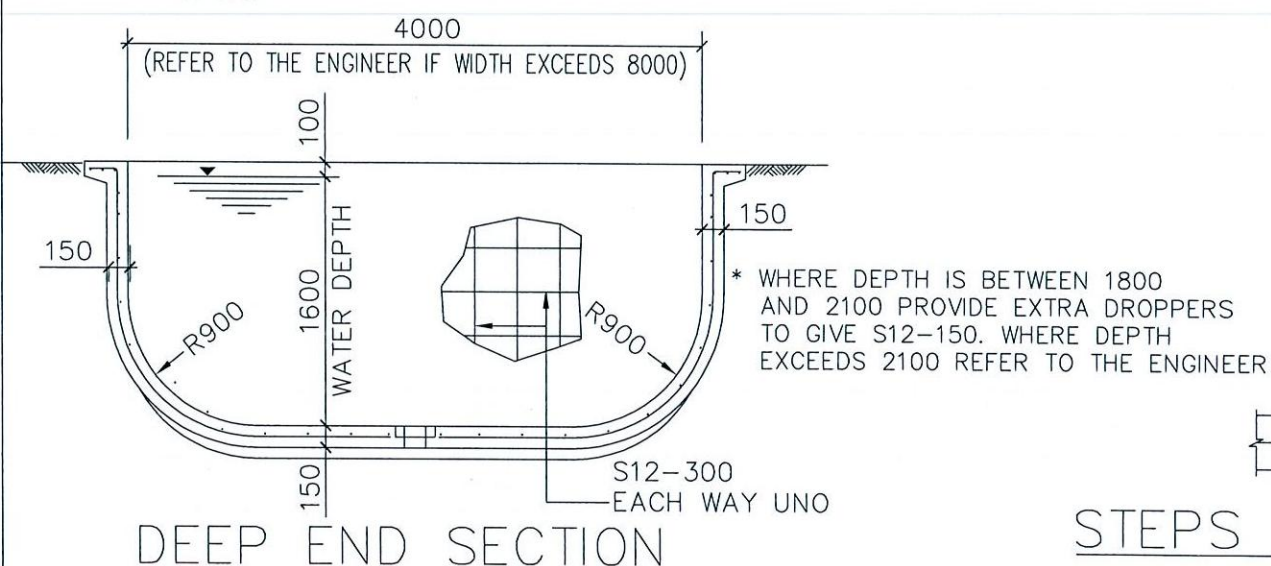
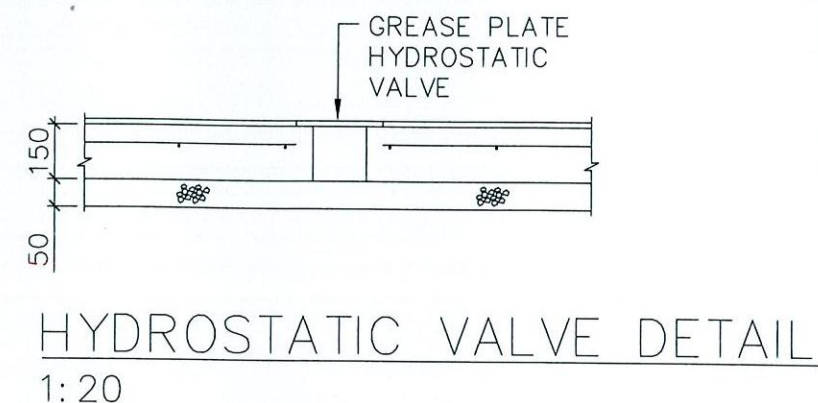
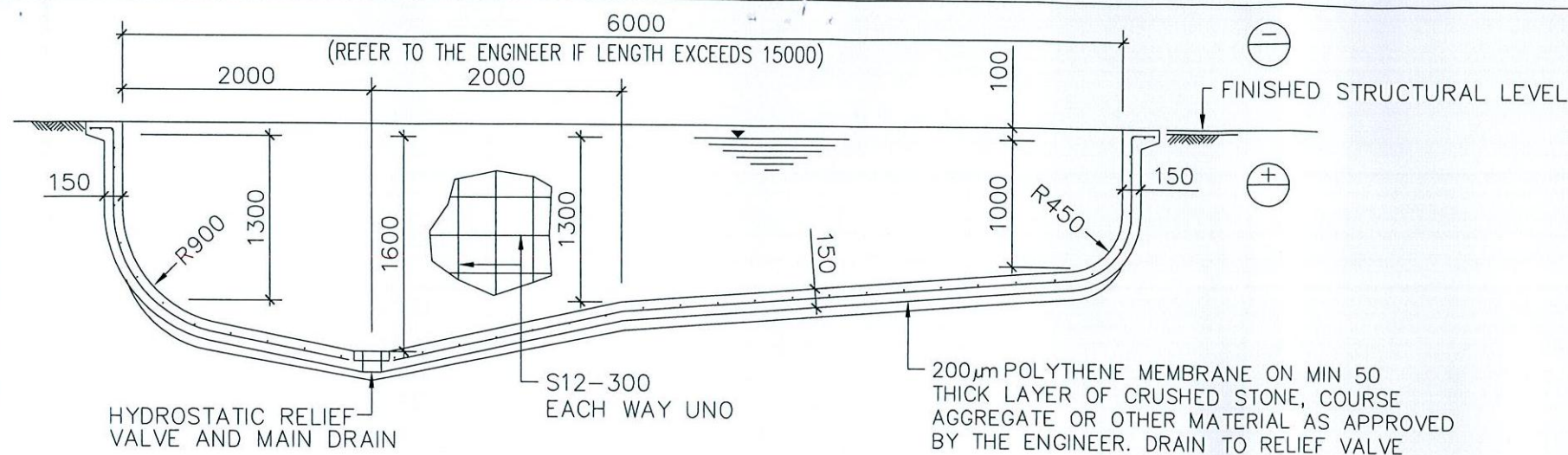
FOR A & Y TURNBULL
AT 5B CASTLE CIRCUIT, SEAFORTH

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SHEET 2 OF 7

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APPROVED *[Signature]* DATE 11/03/11
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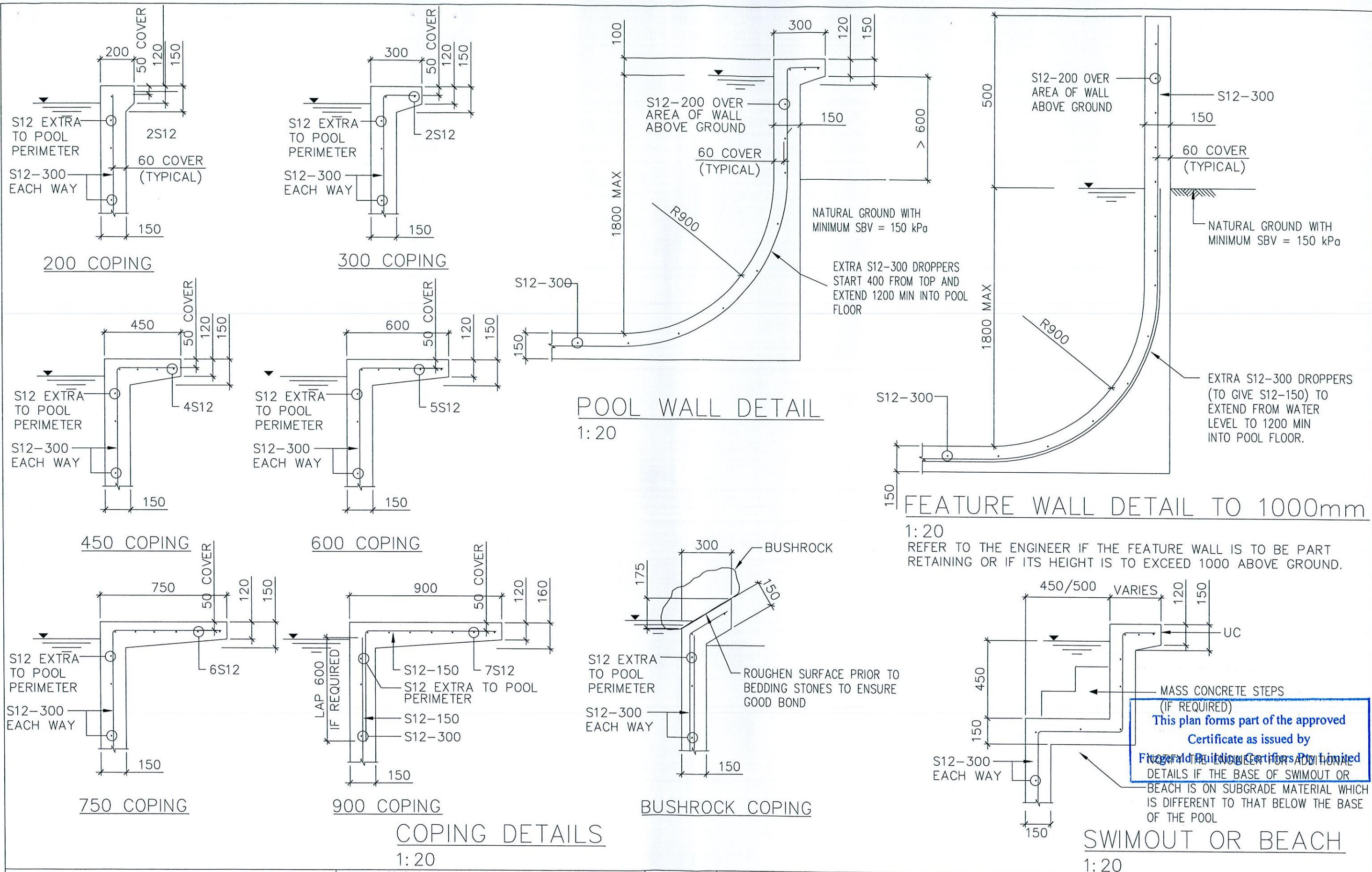
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AT 5B CASTLE CIRCUIT, SEAFORTH

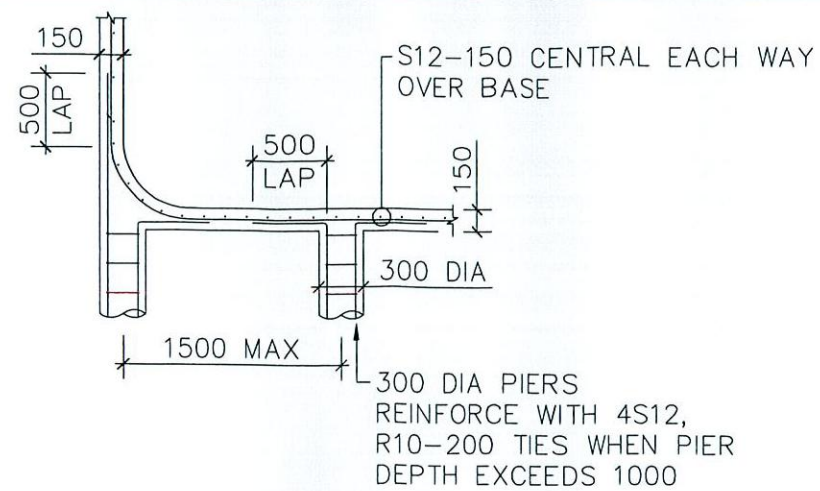
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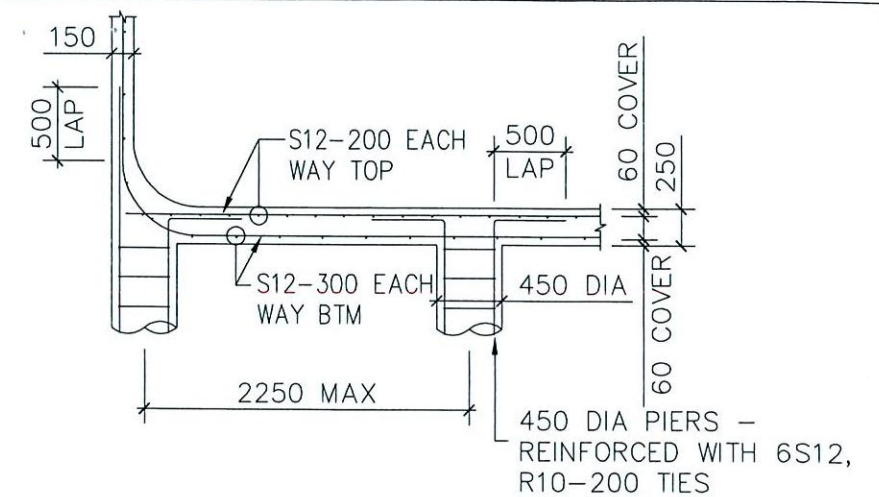
SHEET 4 OF 7

DRAWING/CONTRACT No.

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SECTION
1: 20



SECTION
1:20

600 UP WALL

PART PLAN - OPTION 1

450 DIA PIERS

2250 MAX

2250 MAX

2250 MAX

WALL

S12-300 EACH WAY BTM

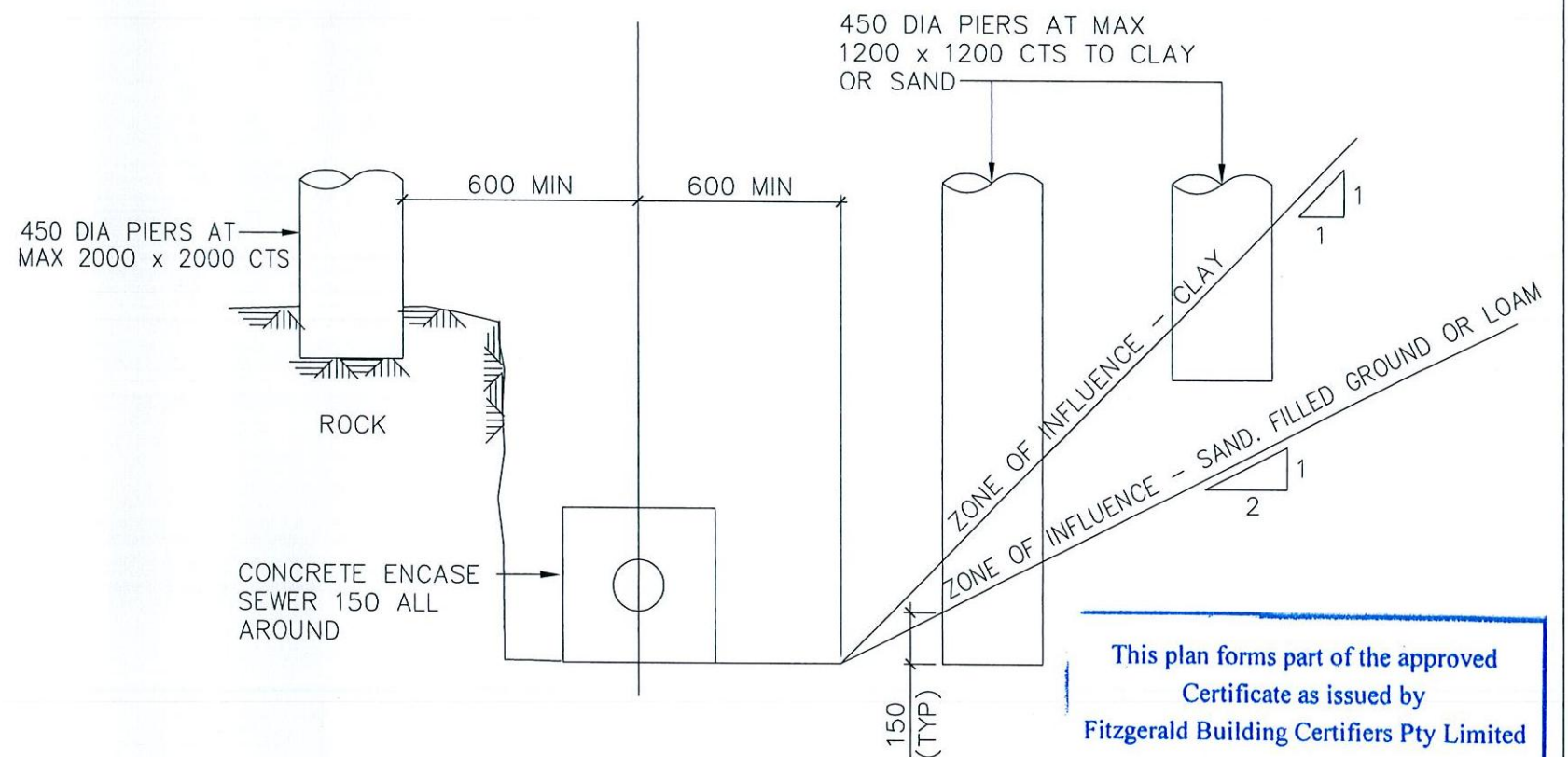
S12-200 EACH WAY TOP

PART PLAN – OPTION 2

SUSPENDED POOL PLANS

PIERS 1:50
F'c = 20 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:



TYPICAL BUILDING OVER SYDNEY WATER SEWER

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

ka **Keighran and Associates Pty Ltd**
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G1 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS2783 - 1992.
G2 THE SETTING OUT DIMENSIONS SHALL BE CHECKED ON SITE PRIOR TO COMMENCING EXCAVATION.
G3 ANY UNFORSEEN VARIATIONS TO THE ASSUMED SITE CONDITIONS SHALL BE REFERRED TO THE ENGINEER PRIOR TO
PROCEEDING.
G4 THE WALKWAYS AND COPINGS HAVE BEEN DESIGNED FOR A LIVE LOAD OF 4kPa.
G5 THE ENGINEER SHALL BE NOTIFIED OF ANY PROPOSED VARIATION TO THIS PRIOR TO PLACING THE REINFORCEMENT.
G6 PRIOR TO EMPTYING THE POOL, THE OWNER SHALL ENSURE THAT ALL EXTERNAL GROUNDWATER HAS BEEN REMOVED
FROM THE BASE AND WALLS OF THE POOL.
G7 THE ENGINEER SHALL BE NOTIFIED IF THE POOL IS OUT OF THE GROUND BY MORE THAN 900.

C1 THE DETAILS PRESENTED ON THE FOLLOWING SHEETS COMPLY WITH THE REQUIREMENTS OF AS2783-1992.

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 AS2783-1992.

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.

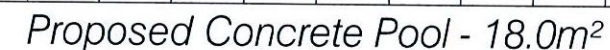
C9 S NOTATION TO REINFORCEMENT DENOTES GRADE 230 DEFORMED BAR.

C10 UNLESS OTHERWISE NOTED, ALL REINFORCEMENT LAPS SHALL BE A MINIMUM OF 500mm.

C11 PROVIDE 10mm CONTROL JOINTS IN THE WALKWAY FINISH AT MAXIMUM 4000 CENTRES AND AT POINTS OF RE-ENTRANT CORNERS IN PLAN.

C12 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.



Proposed Spa - 3.0m²

RL 9.95

27,000 litres

PROVIDE 1 SKIMMER
PROVIDE 2 LED LIGHTS

OR BELOW EXISTING GROUND LEVELS

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SCALE 1-100

0 1 2 3 4 5 100

BHP 11L18217

Existing Fences to be upgraded if
required to comply with AS1926
Swimming Pool Fencing Standard
& Council's Requirments

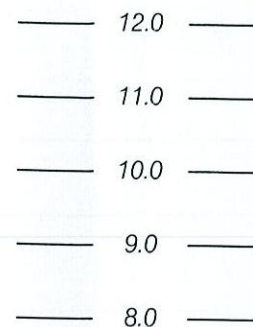
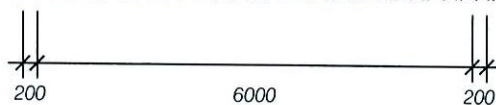
Proposed Pool Fence To AS1926
Swimming Pool Fencing Standard
& Council's Requirments

Existing
Ground
Line

Proposed Pool Fence To AS1926
Swimming Pool Fencing Standard
& Council's Requirments

Swimming Pool
Structure RL 9.95

PROPOSED
POOL



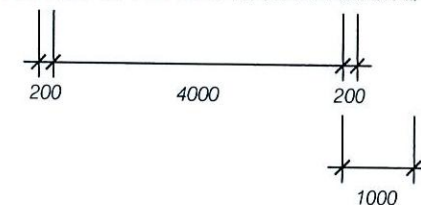
POOL SHELL APPROXIMATE ONLY, REFER
ENGINEER'S DETAIL & SPECIFICATION !

Proposed Pool Fence To AS1926
Swimming Pool Fencing Standard
& Council's Requirments

Existing Fences to be upgraded if
required to comply with AS1926
Swimming Pool Fencing Standard
& Council's Requirments

Swimming Pool
Structure RL9.95

PROPOSED
POOL



Sectional Elevation X
1 - 100 @ A3

Sectional Elevation Y
1 - 100 @ A3

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SHEET 7 OF 7

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