

3S12-100. EXTEND 600 INTO MAIN POOL WALL

MAX 1200 HIGH FENCE

900 MAX COVER

60

150

150

R450

S12-200 IN WALL

S12-300, LAP 300 WITH MAIN POOL BARS

S12-300 IN FLOOR

HYDROSTATIC RELIEF VALVE AND MAIN DRAIN

7000 (REFER TO THE ENGINEER IF LENGTH EXCEEDS 15000)

1500

1500

1400 APPROX

1600

1400 APPROX

100

1000

R450

150

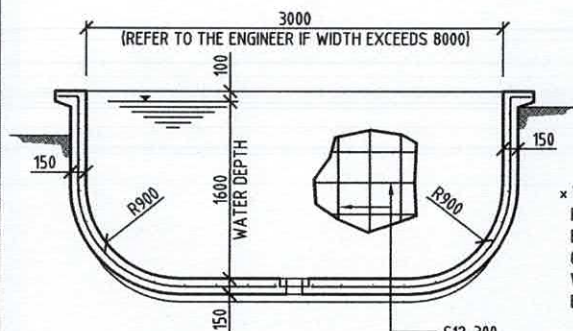
FINISHED STRUCTURAL LEVEL

S12-300 EACH WAY UNO

200 μ m POLYTHENE MEMBRANE ON MIN 50 THICK LAYER OF CRUSHED STONE, COURSE AGGREGATE OR OTHER MATERIAL AS APPROVED BY THE ENGINEER. DRAIN TO RELIEF VALVE

1:50

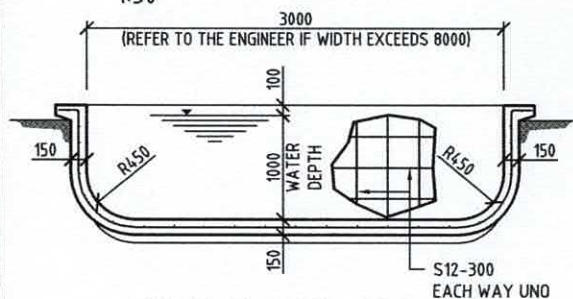
WITH OPTIONAL OVERFLOW TANK
BASE OF OVERFLOW TANK TO BEAR
ON SAME MATERIAL AS POOL SHELL



DEEP END SECTION

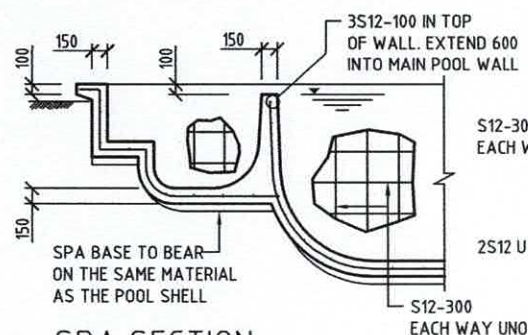
1:50

x WHERE DEPTH IS BETWEEN 1800 AND 2100
PROVIDE EXTRA DROPPERS TO GIVE \$12-150.
EXTEND DROPPERS FROM 400 BELOW THE TOPS
OF WALLS TO 1200 INTO THE POOL FLOOR.
WHERE DEPTH EXCEEDS 2100 REFER TO THE
ENGINEER



SHALLOW END SECTION

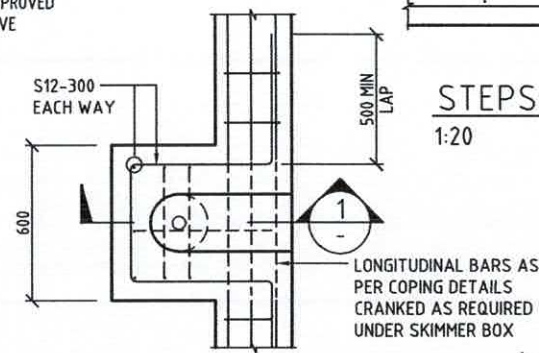
1:50



SPA SECTION

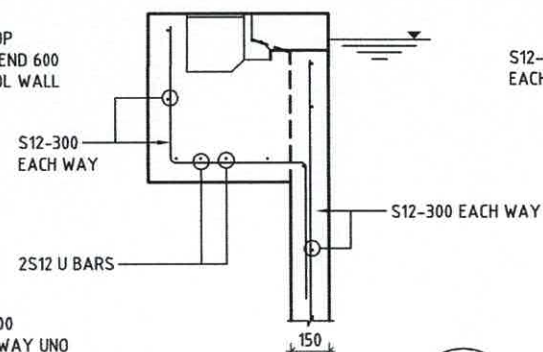
1:50

Structural details only certified by:



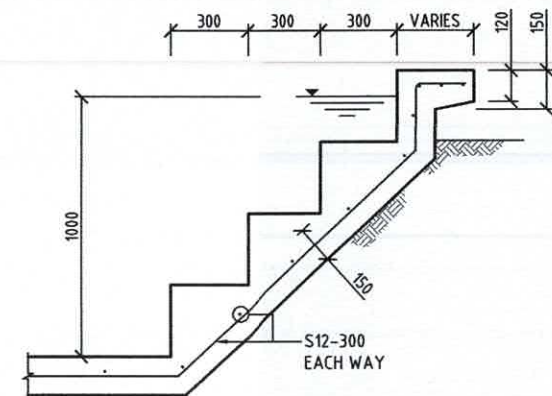
PLAN OF SKIMMER

1:20



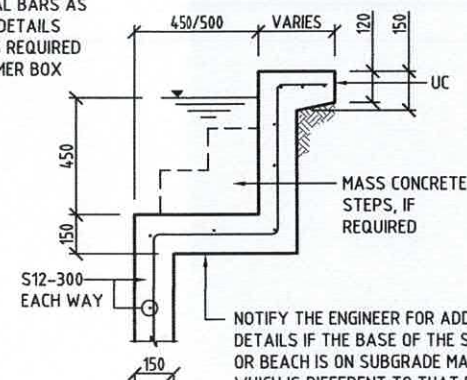
SECTION

1:20



STEPS CAST AGAINST GROUND

1:20



NOTIFY THE ENGINEER FOR ADDITIONAL
DETAILS IF THE BASE OF THE SWIMOUT
OR BEACH IS ON SUBGRADE MATERIAL
WHICH IS DIFFERENT TO THAT BELOW
THE BASE OF THE POOL

SWIMOUT OR BEACH

1:20

Site Plan & Pool Plans prepared by Blue Haven Pools & Spas Pty Ltd
68 Hume Highway Lansvale NSW 2166
Telephone: (02) 9728 0444 Fax: (02) 9754 2906
Licence Number - 237620C ABN 78 133 909 369

ka **Keighran and Associates Pty Ltd**
Consulting Structural and Civil Engineers
ABN 25 003 832 291
APPROVED *[Signature]* DATE 25 / 09 / 20
BE (Hons), MEngSci, FEAust, @Eng
Registered NPER 3719 (Structural & Civil)

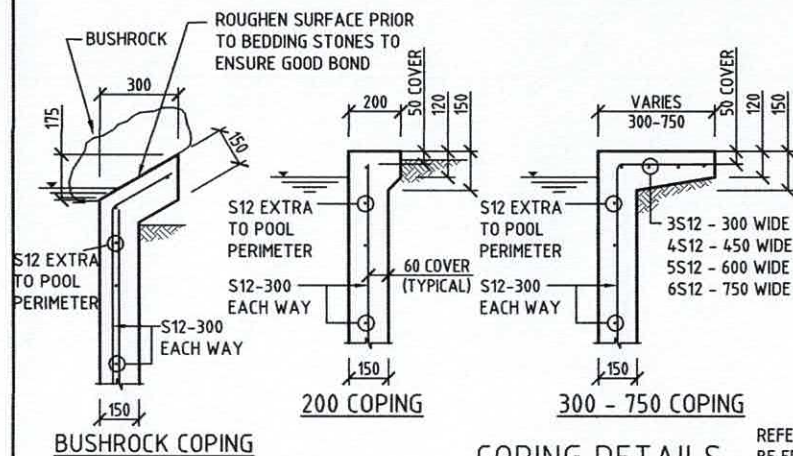


FOR: J. WOODS
AT: LOT 4 DP 226681
5 KUNARI PLACE MONA VALE 2103

REV	DATE	DESCRIPTION	DWG/CONTRACT NO.	
A	25.09.20	INITIAL ISSUE	20S4548	
			SHEET	REV
			2 OF 4	A

1:20

REFER TO THE ENGINEER IF THE
WIDTH OF THE COPING EXCEEDS 300



1:20

Structural details only certified by:



Keighran and Associates Pty Ltd

APPROVED

ABN 25 003 832 291

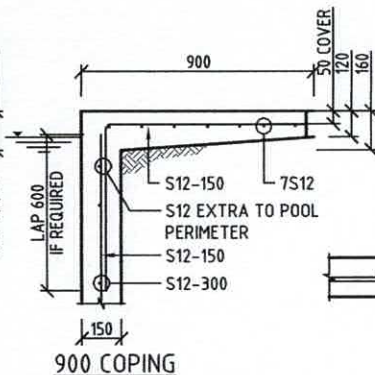
DATE 25 / 09 / 20

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



1:20

REFER TO THE ENGINEER IF THE FEATURE WALL IS TO BE PART
RETAINING OR IF ITS HEIGHT IS TO EXCEED 1000 ABOVE GROUND



1:20

CH

100

150

1800 MAX

50 COVER

120

160

S12-150 OVER AREA OF WALL ABOVE GROUND

60 COVER (TYPICAL)

RADIUS ON INSIDE AS PER POOL WALL DETAIL

S12-300

1800 MAX TO TOP OF FLOOR OF OVERFLOW TANK

EXTRA S12-300 DROPPERS, START 300 FROM TOP AND EXTEND 1200 MIN INTO POOL FLOOR

150

S12-150

S12-300

RADIUS 900 MIN

60 COVER

230

150

1800

1800

600 COPING, 600 RETAINING

900 COPING, 600 RETAINING

1:20

TYPICAL DEEP END SECTION
- 600 COPING, 600 RETAINING
- 900 COPING, 600 RETAINING
1:20

BLUE HAVEN POOLS SOUTH 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) 9754 2906
Licence Number - 237620C ABN 78 133 909 369

PROPOSED SWIMMING POOL STRUCTURAL DETAILS

FOR: J. WOODS

AT: LOT 4 DP 226681

5 KUNARI PLACE MONA VALE 2103

REV	DATE	DESCRIPTION	DWG/CONTRACT NO.	
A	25.09.20	INITIAL ISSUE	20S4548	
			SHEET	REV
			3 OF 4	A

© 2006 The Authors
Journal compilation © 2006 Blackwell Publishing Ltd



1:50

$$F'_c = 20 \text{ MPa}$$

60 COVER TO REINFORCEMENT

UNLESS NOTED OTHERWISE, 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:



1:20



1:50



1:50



1:50



1:20



1:50

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



Consulting Structural and Civil Engineers

C. Knight.

ABN 25 003 832 291

DATE 25 / 09 / 20



FOR: J. WOODS

AT: LOT 4 DP 226681

5 KUNARI PLACE MONA VALE 2103

REV	DATE	DESCRIPTION	DWG/CONTRACT No	
A	25.09.20	INITIAL ISSUE	20S4548	
			SHEET	REV
			4 OF 4	A

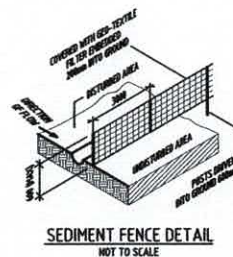
REV	DATE	DESCRIPTION	BY	DWG/CONTRACT No	
A	12.10.20	INITIAL ISSUE	TMJ	20S4548	
B	16.10.20	MINOR RELOCATION			
				SHEET	REV
				1	B

PROPOSED CONCRETE POOL
THE PROPOSED POOL TO COMPLY WITH THE
SWIMMING POOL ACT AND REGULATIONS

LANDSCAPE CALCULATION

SITE AREA = 698.3m²
RESIDENCE (FOOTPRINT) = 14.0m²
DRIVEWAY/PAVING = 25m²
PROPOSED POOL/COPING = 28m²
TOTAL B.U.A. = 193m² = 28%
LANDSCAPED AREA GREATER THAN 1.5m WIDE
= 440m² = 63%
OF WHICH 260m² (37% OVERALL) IS BEHIND
SETBACK
TOTAL AREA FORWARD OF THE BUILDING LINE
IS 200m² OF WHICH 180m² (90%) IS LANDSCAPED

APPROX LENGTH OF FENCE = 20m



▲ DATUM - EXISTING GROUND LEVEL. (RL 1.6)
TOP OF POOL TO BE 100mm ABOVE DATUM.

- DENOTES SOFT LANDSCAPING
(GREATER THAN 1.5m WIDE)
- DENOTES SOFT LANDSCAPING
(LESS THAN 1.5m WIDE)
- DENOTES HARDSTAND AREAS

Structural details only certified by:

BLUE HAVEN POOLS SOUTH 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) 9754 2906
Licence Number - 237620C ABN 78 133 909 369



Keighran and Associates Pty Ltd

Consulting Structural and Civil Engineers

APPROVED

[Signature]

ABN 25 003 832 291

DATE 25 / 09 / 20

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



PROPOSED SWIMMING POOL STRUCTURAL DETAILS

FOR: J. WOODS

AT: LOT 4 DP 226681

5 KUNARI PLACE MONA VALE 2103

PLACE

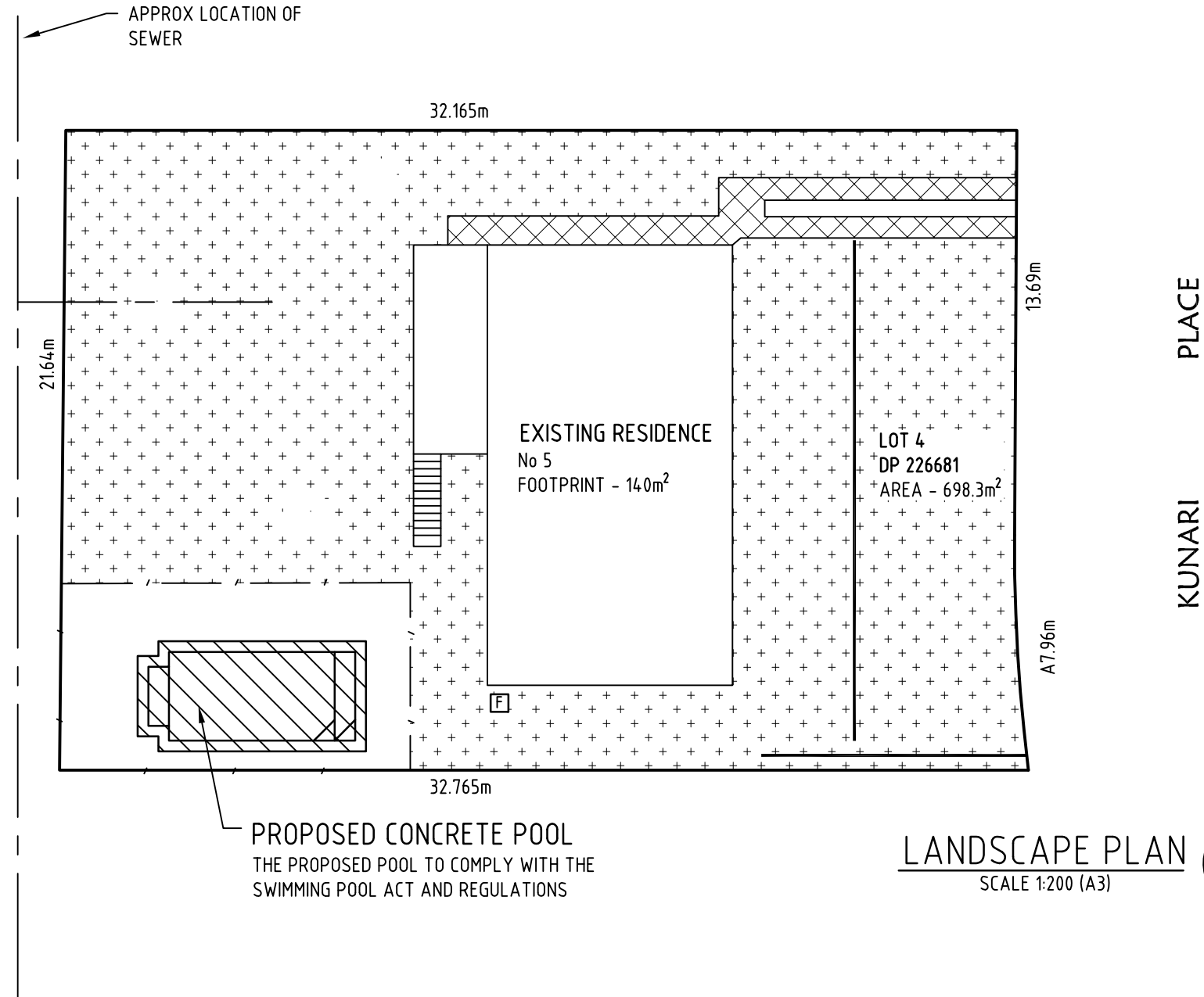
KUNARI



SITE ANALYSIS PLAN

SCALE 1:200 (A3)

REV	DATE	DESCRIPTION	BY	DWG/CONTRACT No
A	12.10.20	INITIAL ISSUE	TMJ	20S4548
B	16.10.20	MINOR RELOCATION		
				SHEET
				REV
				1 B



LANDSCAPE CALCULATION

SITE AREA = 698.3m²
RESIDENCE (FOOTPRINT) = 140m²
DRIVEWAY/PAVING = 25m²
PROPOSED POOL/COPING = 28m²
TOTAL B.U.A. = 193m² = 28%
LANDSCAPED AREA GREATER THAN 1.5m WIDE
= 440m² = 63%
OF WHICH 260m² (37% OVERALL) IS BEHIND
SETBACK
TOTAL AREA FORWARD OF THE BUILDING LINE
IS 200m² OF WHICH 180m² (90%) IS LANDSCAPED

▲ DATUM - EXISTING GROUND LEVEL. (RL 1.6)
TOP OF POOL TO BE 100mm ABOVE DATUM.

- ++ DENOTES SOFT LANDSCAPING
(GREATER THAN 1.5m WIDE)
- /// DENOTES SOFT LANDSCAPING
(LESS THAN 1.5m WIDE)
- XXX DENOTES HARDSTAND AREAS

Structural details only certified by:

BLUE HAVEN POOLS SOUTH 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) 9754 2906
Licence Number - 237620C ABN 78 133 909 369



Keighran and Associates Pty Ltd

Consulting Structural and Civil Engineers

ABN 25 003 832 291

APPROVED

Keighran

DATE 25 / 09 / 20

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



PROPOSED SWIMMING POOL STRUCTURAL DETAILS

FOR: J. WOODS
AT: LOT 4 DP 226681
5 KUNARI PLACE MONA VALE 2103

REV	DATE	DESCRIPTION	BY	DWG/CONTRACT No	
A	12.10.20	INITIAL ISSUE	TMJ	20S4548	
B	16.10.20	MINOR RELOCATION			
				SHEET	REV
				1	B