

POOL PLAN

SCALE 1:100 (A3)

LEVELS SHOWN INDICATE FINISHED STRUCTURAL LEVEL
 (+) ABOVE (-) OR BELOW EXISTING GROUND LEVELS

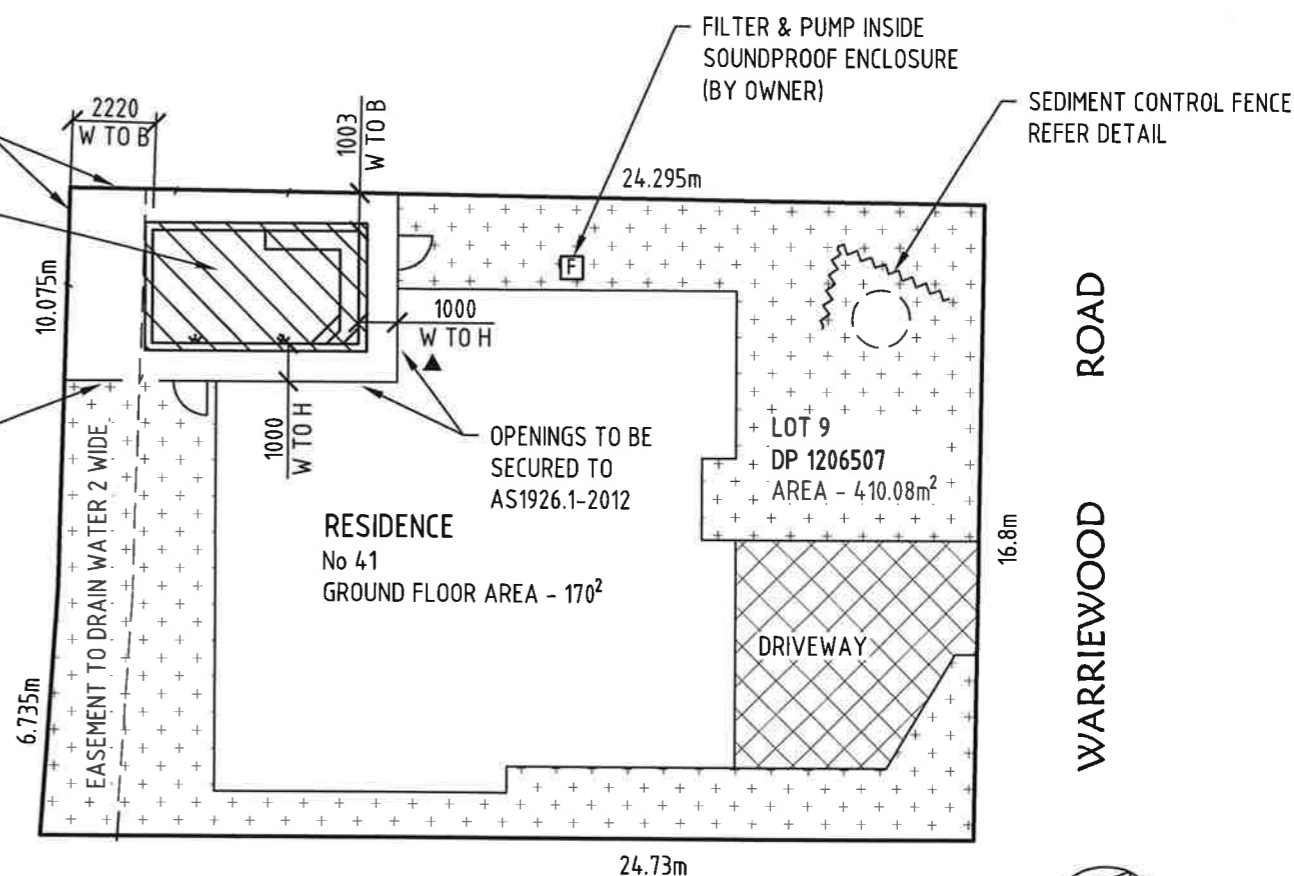
POOL WATER CAPACITY IS 20,000 LITRES. THIS POOL IS LESS THAN 40,000 LITRES, THEREFORE DOES NOT REQUIRE A BASIX CERTIFICATE.

SPA JETS IN SEAT AS PER CONTRACT

BDY FENCES TO AS1926.1-2012

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

1200 HIGH (MIN) CHILD PROOF SAFETY FENCE AND SELF CLOSING, SELF LOCKING GATE TO AS1926.1-2012 (ALL AROUND) BY OWNER



FILTER & PUMP INSIDE SOUNDPROOF ENCLOSURE (BY OWNER)

SEDIMENT CONTROL FENCE REFER DETAIL

24.295m

10.075m

6.735m

24.73m

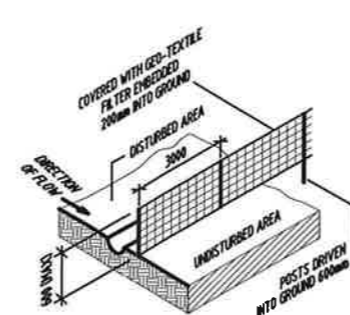
24.73m

16.8m

WARRIEWOOD ROAD



SITE PLAN
 SCALE 1:200 (A3)



SEDIMENT FENCE DETAIL
 NOT TO SCALE

▲ DATUM - TOP OF SLAB. TOP OF POOL TO BE LEVEL WITH DATUM.

○ DESIGNATED AREA FOR WASTE AND MATERIAL STOCKPILE EXCESS WASTE TO BE REMOVED FROM SITE

LANDSCAPE CALCULATION

SITE AREA = 410.8m²
 RESIDENCE (GROUND FLOOR) = 170m²
 DRIVEWAY/PAVING = 35m²
 PROPOSED POOL/COPING = 20m²
 TOTAL B.U.A. = 225m² = 55%
 LANDSCAPED AREA = 45%

APPROX LENGTH OF FENCE = 10m

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

GENERAL
 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. THE ENGINEER SHALL BE NOTIFIED OF ANY PROPOSED VARIATION TO THIS PRIOR TO PLACING THE REINFORCEMENT.
 G5 PRIOR TO EMPTYING THE POOL, THE OWNER SHALL ENSURE THAT ALL EXTERNAL GROUNDWATER HAS BEEN REMOVED FROM THE BASE AND WALLS OF THE POOL.
 G6 THE ENGINEER SHALL BE NOTIFIED IF THE POOL IS OUT OF THE GROUND BY MORE THAN 900.
 G7 THE DETAILS PRESENTED ON THE FOLLOWING SHEETS COMPLY WITH THE REQUIREMENTS OF AS2783-1992.

CONCRETE
 C1 ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH AS3600.
 C2 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.
 C3 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.
 C4 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.
 C5 UNLESS OTHERWISE NOTED, CLEAR CONCRETE COVER SHALL BE IN ACCORDANCE WITH AS2783-1992.
 C6 CONCRETE COVER SHALL BE MAINTAINED BY THE USE OF APPROVED CHAIRS AT APPROXIMATELY 750 CROSS CENTRES.
 C7 ALL CONCRETE SHALL BE CURED BY THE OWNER FOR A MINIMUM OF 7 DAYS AFTER POURING BY KEEPING ALL EXPOSED SURFACES WET WITH WATER.
 C8 S NOTATION TO REINFORCEMENT DENOTES GRADE 230 DEFORMED BAR.
 C9 UNLESS OTHERWISE NOTED, ALL REINFORCEMENT LAPS SHALL BE A MINIMUM OF 500mm.
 C10 PROVIDE 10mm CONTROL JOINTS IN THE WALKWAY FINISH AT MAXIMUM 4000 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.

FOUNDATION
 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', 'E' OR 'P' 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, COARSE 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.

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

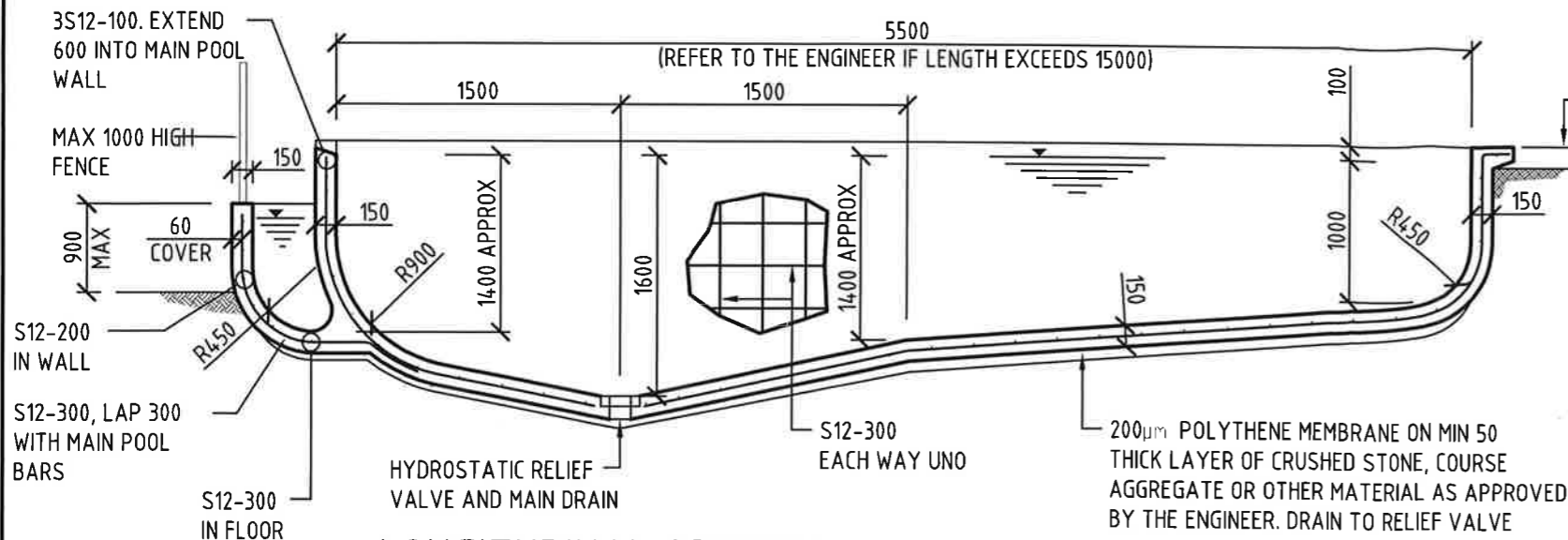
Keighran and Associates Pty Ltd
 Consulting Structural and Civil Engineers
 ABN 25 003 832 291
 APPROVED *[Signature]* DATE 23/09/19
 BE (Hons), MEngSci, FIEAust, CPEng
 Registered NPER 3719 (Structural & Civil)



PROPOSED SWIMMING POOL STRUCTURAL DETAILS
 FOR: CATLIN AND KALOUS
 AT: 41 WARRIEWOOD ROAD
 WARRIEWOOD

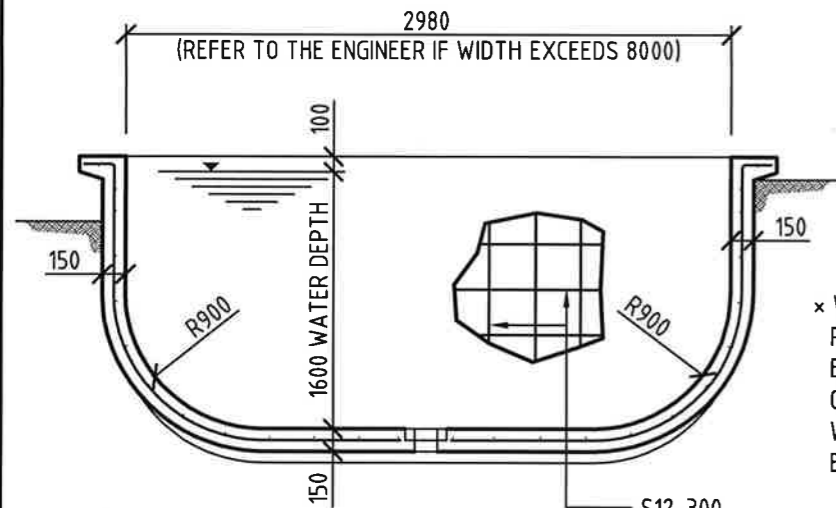
REV	DATE	DESCRIPTION	DWG/CONTRACT No
A	23.09.19	INITIAL ISSUE	19S3850
			SHEET REV
			1 OF 4 A

NOTE: THESE DETAILS ARE GENERIC AND DO NOT FORM PART OF YOUR CONTRACT



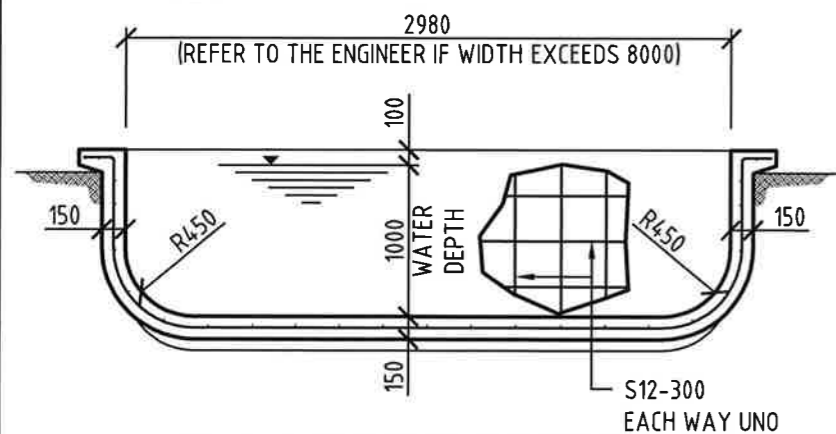
LONGITUDINAL SECTION
1:50

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

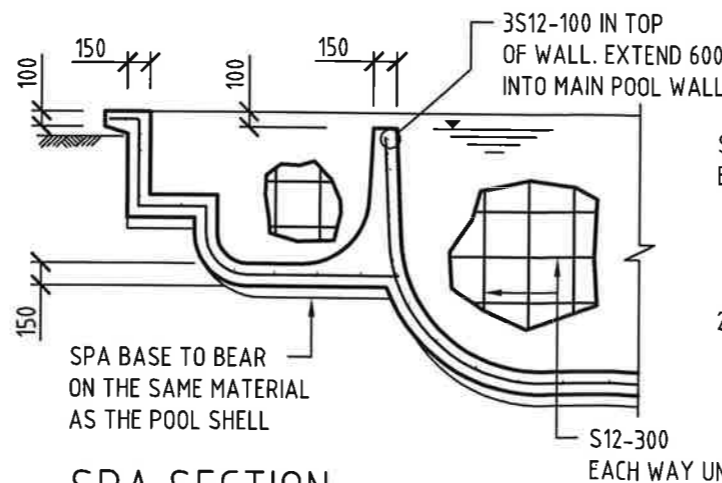


DEEP END SECTION
1:50

× WHERE DEPTH IS BETWEEN 1800 AND 2100 PROVIDE EXTRA DROPPERS TO GIVE S12-150. EXTEND DROPPERS FROM 400 BELOW THE TOPS OF WALLS TO 1200 INTO THE POOL FLOOR. WHERE DEPTH EXCEEDS 2100 REFER TO THE ENGINEER

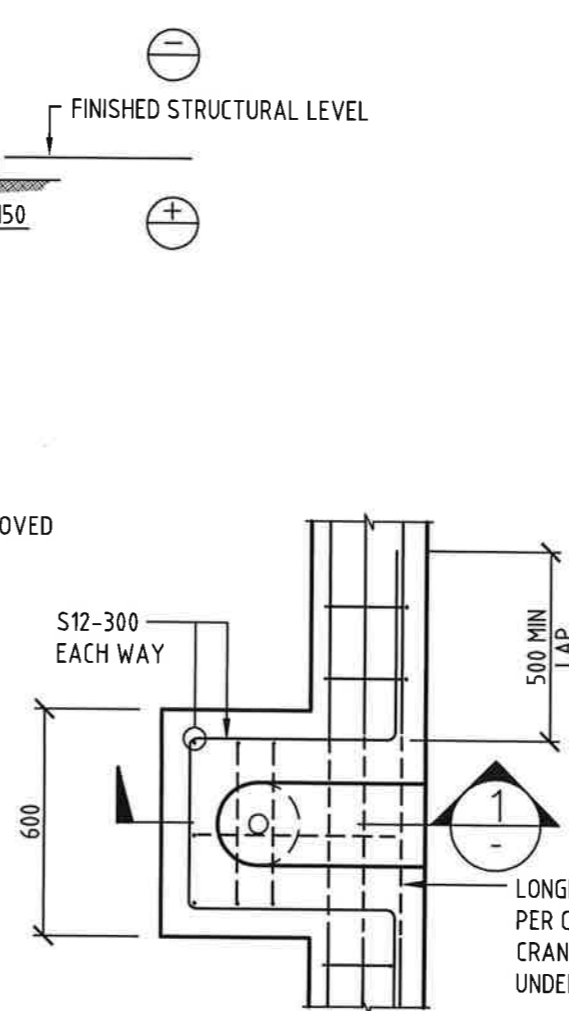


SHALLOW END SECTION
1:50

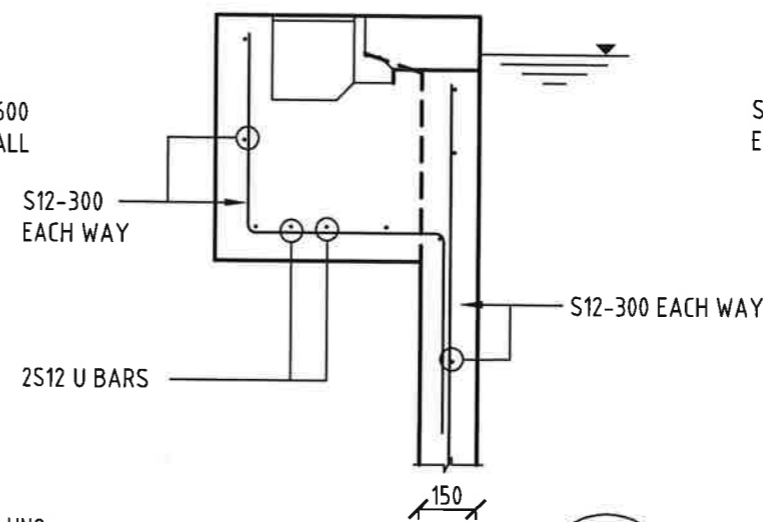


SPA SECTION
1:50

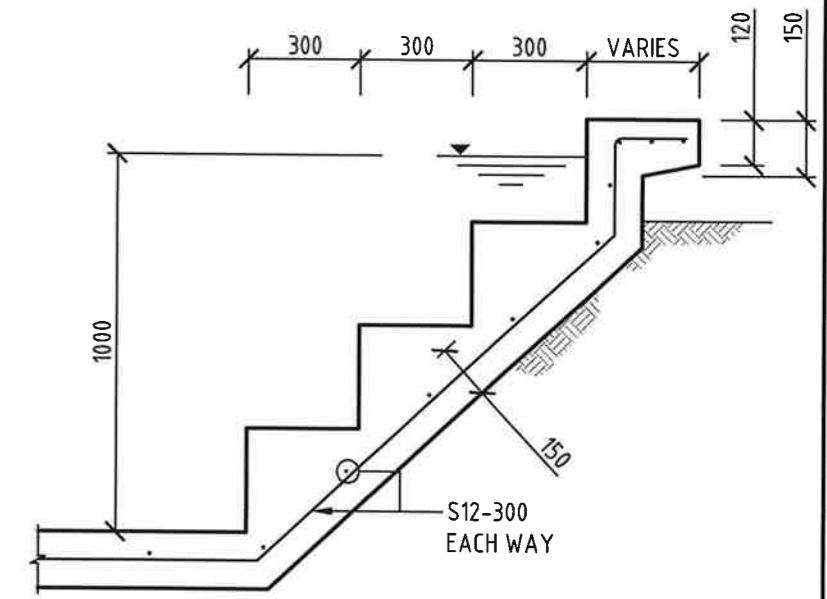
Structural details only certified by:



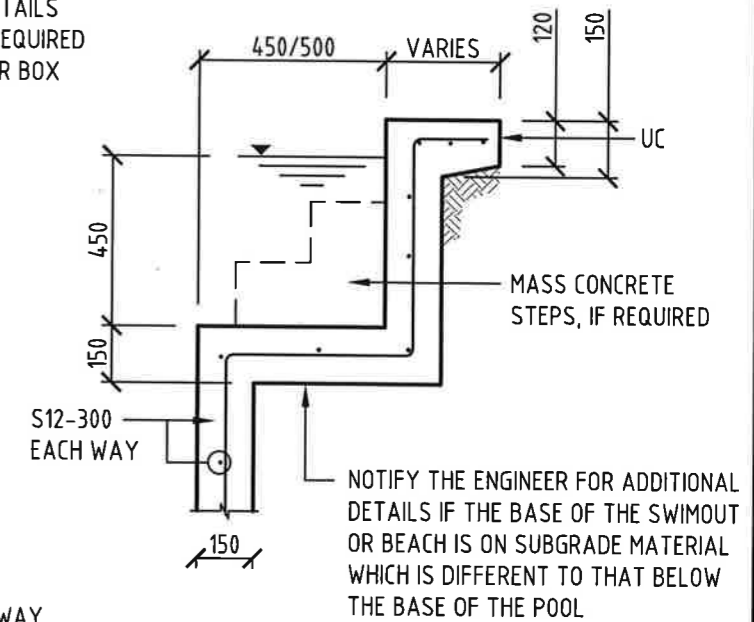
PLAN OF SKIMMER
1:20



SECTION
1:20



STEPS CAST AGAINST GROUND
1:20



SWIMOUT OR BEACH
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



Keighran and Associates Pty Ltd

Consulting Structural and Civil Engineers
 ABN 25 003 832 291
 APPROVED *Co. Keighran* DATE 23/09/19
 BE (Hons), MEngSci, FIEAust, Eng
 Registered NPER 3719 (Structural & Civil)

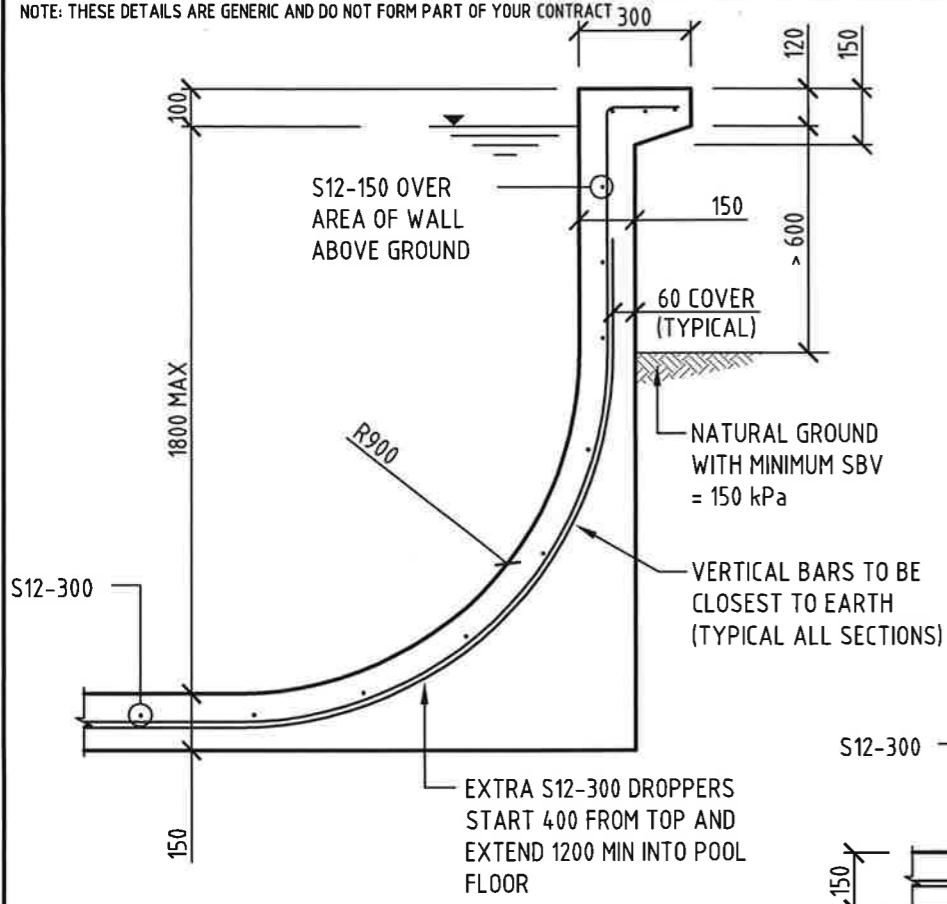


PROPOSED SWIMMING POOL STRUCTURAL DETAILS

FOR: CATLIN AND KALOUS
 AT: 41 WARRIWOOD ROAD
 WARRIWOOD

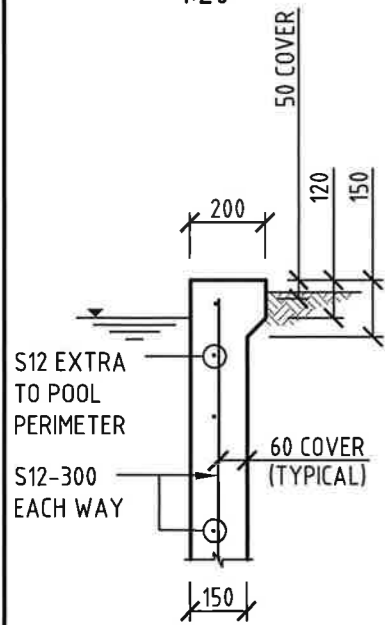
REV	DATE	DESCRIPTION	DWG/CONTRACT No
A	23.09.19	INITIAL ISSUE	19S3850
			SHEET REV
			2 OF 4 A

NOTE: THESE DETAILS ARE GENERIC AND DO NOT FORM PART OF YOUR CONTRACT

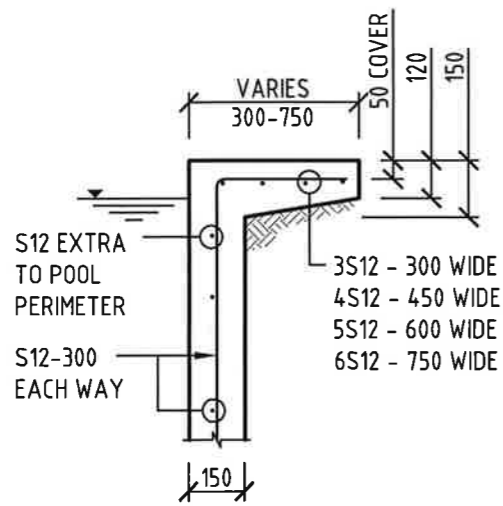


POOL WALL DETAIL

1:20



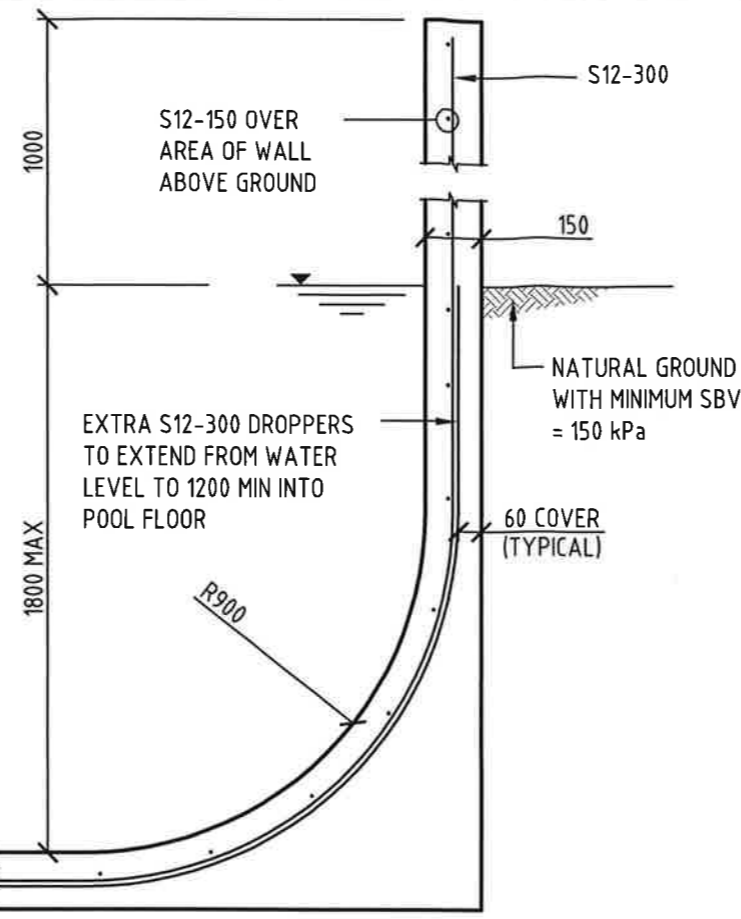
200 COPING



300 - 750 COPING

COPING DETAILS

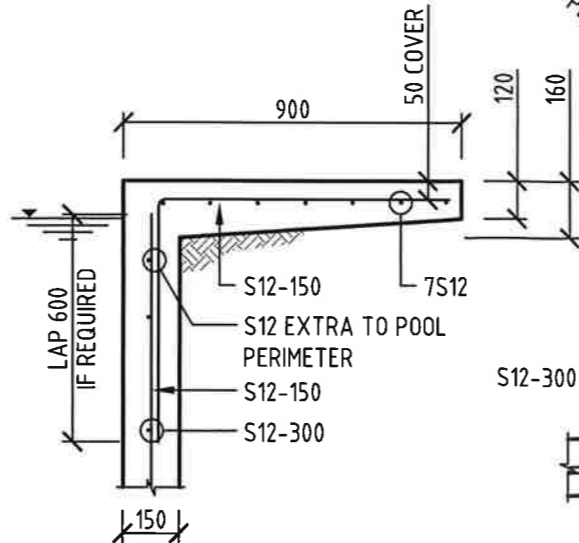
1:20



FEATURE WALL DETAIL TO 1000 HIGH

1:20

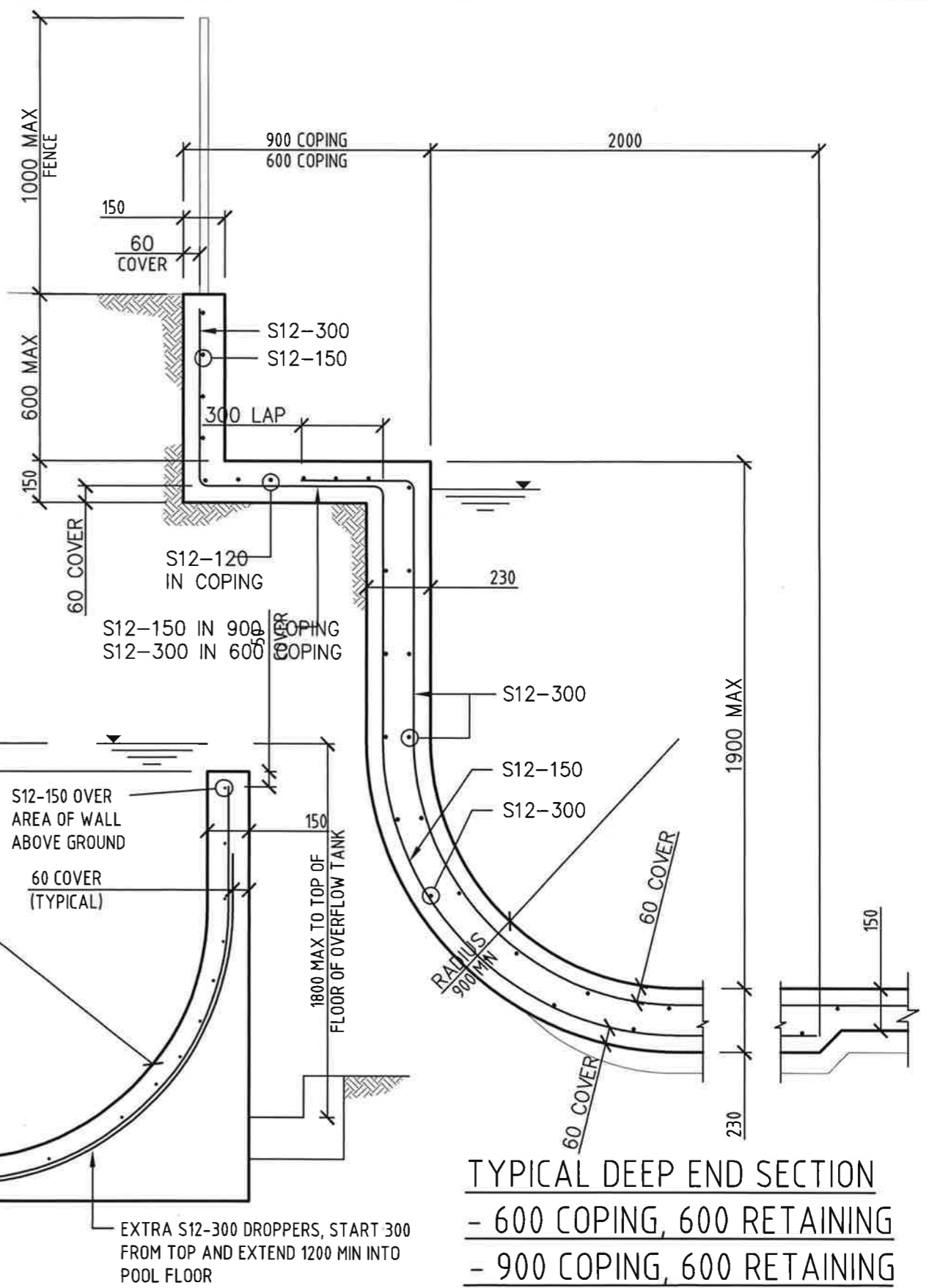
REFER TO THE ENGINEER IF THE FEATURE WALL IS TO BE PART RETAINING OR IF ITS HEIGHT IS TO EXCEED 1000 ABOVE GROUND



900 COPING

NOTIFY ENGINEER IF FENCE IS PROPOSED TO BE ERCTED AT OUTER EDGE OF COPING

Structural details only certified by:



INFINITY EDGE DETAIL

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



Keighran and Associates Pty Ltd

Consulting Structural and Civil Engineers
ABN 25 003 832 291

APPROVED *Keighran*

DATE 23/09/19

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



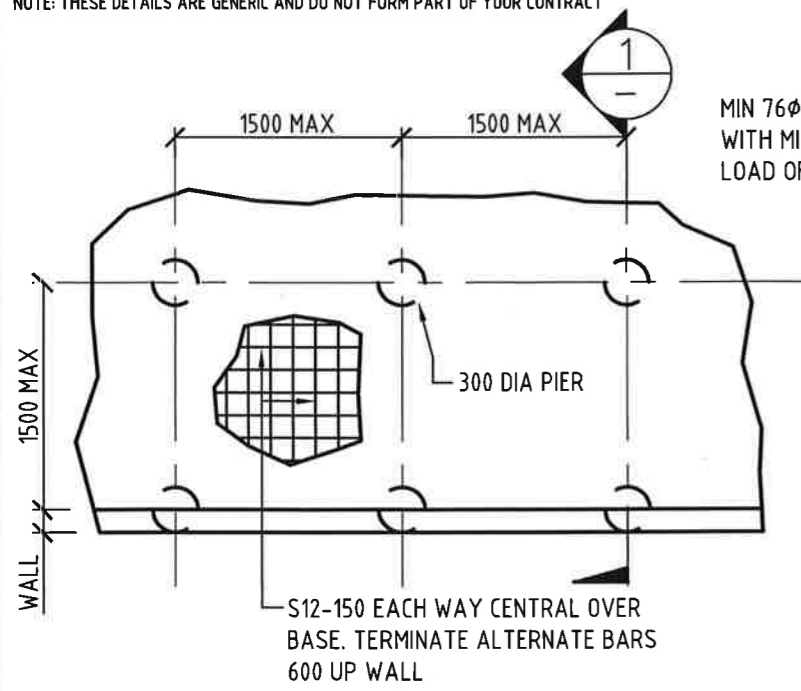
PROPOSED SWIMMING POOL STRUCTURAL DETAILS

FOR: CATLIN AND KALOUS
AT: 41 WARRIEWOOD ROAD
WARRIEWOOD

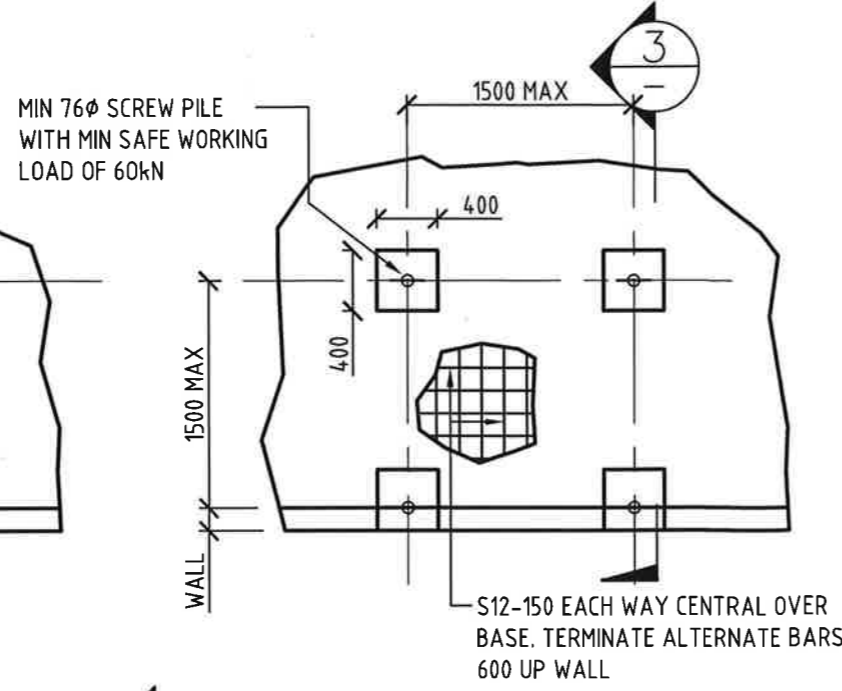
REV	DATE	DESCRIPTION	DWG/CONTRACT No
A	23.09.19	INITIAL ISSUE	19S3850

SHEET	REV
3 OF 4	A

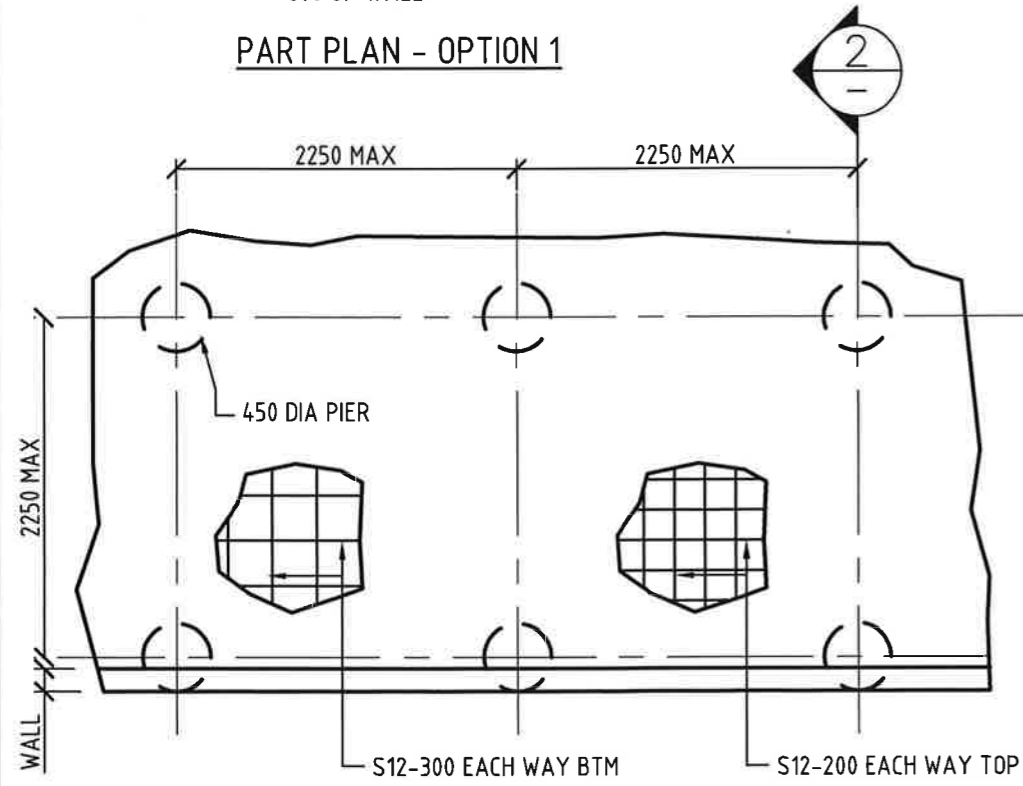
NOTE: THESE DETAILS ARE GENERIC AND DO NOT FORM PART OF YOUR CONTRACT



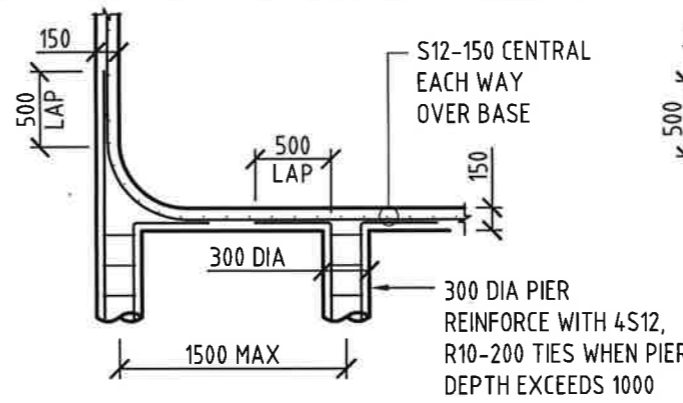
PART PLAN - OPTION 1



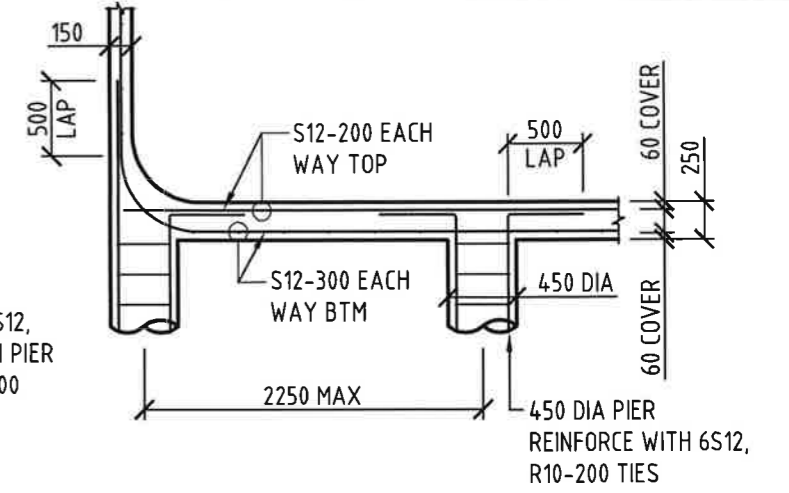
PART PLAN - OPTION 3



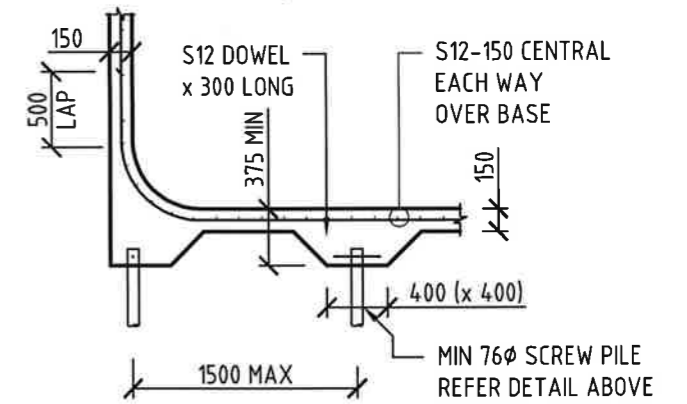
PART PLAN - OPTION 2



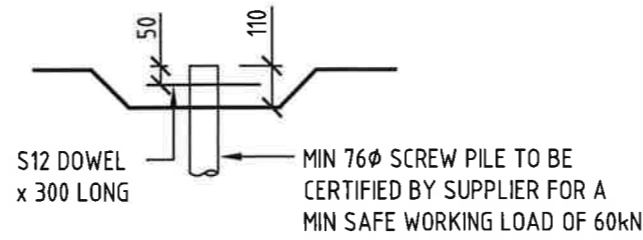
SECTION 1: 1:50



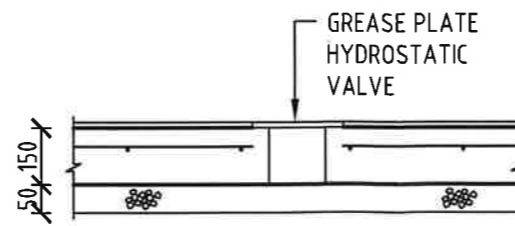
SECTION 2: 1:50



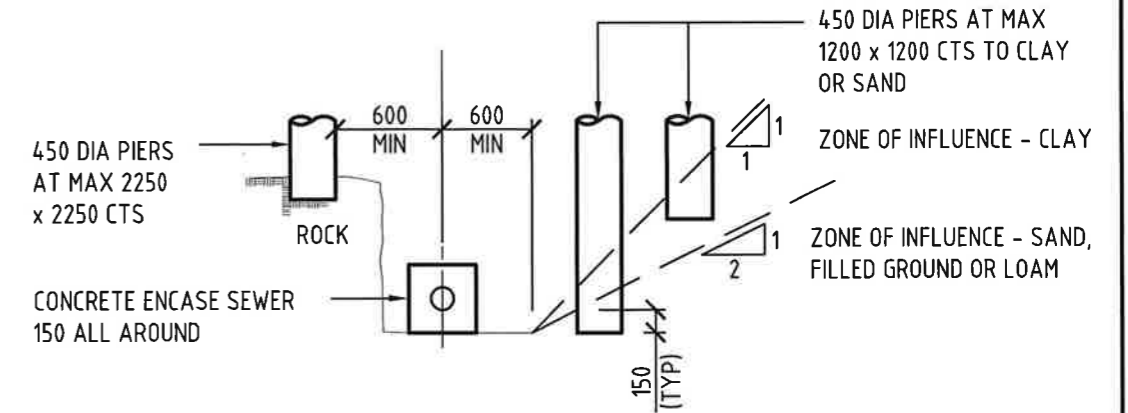
SECTION 3: 1:50



SCREW PILE DETAIL 1:20



HYDROSTATIC VALVE DETAIL 1:20



TYPICAL BUILDING OVER SYDNEY WATER SEWER 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

SUSPENDED POOL PLANS

1:50

PIERS

$F_c = 20 \text{ MPa}$

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:

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 23/09/19

BE (Hons), MEngSci, FIEAust, UP Eng

Registered NPER 3719 (Structural & Civil)



PROPOSED SWIMMING POOL STRUCTURAL DETAILS

FOR: CATLIN AND KALOUS
AT: 41 WARRIEWOOD ROAD
WARRIEWOOD

REV	DATE	DESCRIPTION	DWG/CONTRACT No
A	23.09.19	INITIAL ISSUE	19S3850

SHEET REV

4 OF 4 A