

BLUE HAVEN POOLS & SPAS PTY LTD

Site Plan & Pool Plans prepared by Blue Haven Pools & Spos 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

DATE 01/06/10

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



PROPOSED SWIMMING POOL STRUCTURAL DETAILS

FOR Mr E De Martin

AT 24 RAYNER STREET, NARRAWEENA

DATE: 01/06/10

DRAWN: 0L10-063

SHEET 5 OF 8

DRAWING/CONTRACT No.
BHP 10L17613

GENERAL

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS2783 1992.
- THE SETTING OUT DIMENSIONS SHALL BE CHECKED ON SITE PRIOR TO COMMENCING EXCAVATION G2
- ANY UNFORSEEN VARIATIONS TO THE ASSUMED SITE CONDITIONS SHALL BE REFERRED TO THE ENGINEER PRIOR TO
- 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.
- PRIOR TO EMPTYING THE POOL, THE OWNER SHALL ENSURE THAT ALL EXTERNAL GROUNDWATER HAS BEEN REMOVED FROM THE BASE AND WALLS OF THE POOL.
- THE ENGINEER SHALL BE NOTIFIED IF THE POOL IS OUT OF THE GROUND BY MORE THAN 900.

CONCRETE

- THE DETAILS PRESENTED ON THE FOLLOWING SHEETS COMPLY WITH THE REQUIREMENTS OF AS2783-1992.
- ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH AS3600.
- ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY CONCRETE COMPRESSIVE STRENGTH OF 25MP& AND HAVE A MAXIMUM AGGREGATE SIZE OF 10mm AND A MAXIMUM SLUMP OF 80mm UNLESS NOTED OTHERWISE.
- 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.
- 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.
- UNLESS OTHERWISE NOTED, CLEAR CONCRETE COVER SHALL BE IN ACCORDANCE WITH AS2783-1992.
- CONCRETE COVER SHALL BE MAINTAINED BY THE USE OF APPROVED CHAIRS AT APPROXIMATELY 750 CROSS CENTRES.
- ALL CONCRETE SHALL BE CURED BY THE OWNER FOR A MINIMUM OF 7 DAYS AFTER POURING BY KEEPING ALL EXPOSED SURFACES WET WITH WATER
- \$ NOTATION TO REINFORCEMENT DENOTES GRADE 230 DEFORMED BAR.
- UNLESS OTHERWISE NOTED, ALL REINFORCEMENT LAPS SHALL BE A MINIMUM OF 500mm.
- PROVIDE 10mm CONTROL JOINTS IN THE WALKWAY FINISH AT MAXIMUM 4000 CENTRES AND AT POINTS OF RE-ENTRANT CORNERS IN PLAN.
- PROVIDE 10mm CONTROL JOINTS BETWEEN THE PERIMETER EDGE OF THE POOL AND ALL ABUTTING CONCRETE OR MASONRY PINISHES.

FOUNDATION

- 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.
- THE EXCAVATION SHALL BE KEPT FREE OF WATER, ANY SOFTENED SUBGRADE MATERIAL SHALL BE REMOVED AND REPLACED WITH COMPACTED GRANULAR FILL PRIOR TO PROCEEDING.
- THE UNDERSIDE OF THE POOL SHALL BE SEPARATED FROM THE SUBGRADE WITH A 200HM POLYTHENE MEMBRANE OVER 50 CRUSHED STONE, COURSE AGGREGATE OR OTHER MATERIAL AS APPROVED BY THE ENGINEER.
- 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.

THIS PLAN IS TO BE READ IN CONJUNCTION WITH

DA 2010 / 0945

WARRINGAH COUNCIL

LEVELS SHOWN INDICATE FINISHED STRUCTURAL LEVEL

OR BELOW EXISTING GROUND LEVELS

150 350 +3 3h by 2000 Swimmina Pdol (+/-00 500 4000 200

2000

Proposed Concrete Pool - 40.0m² - 47.000 litres Proposed Concrete Spa - 3.0m² - 2,000 litres RL 72.45

> PROVIDE 1 SKIMMER PROVIDE 3 LIGHTS PROVIDE 1 SOLAR COVER PROVIDE 3 UMBRELLA HOLDERS PROVIDE 2 SWIMJETS PROVIDE 6 JETS TO SPA PROVIDE 2 TOY PACKS PROVISION FOR SOLAR

P 0 0 L PLAN

Structural details only certified by:

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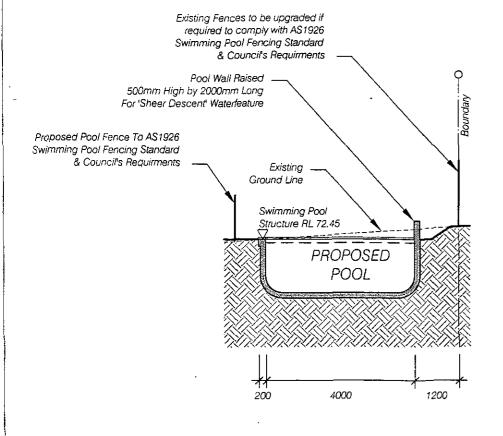
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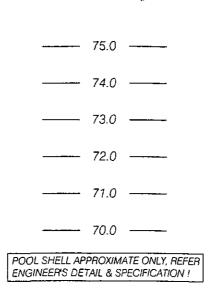
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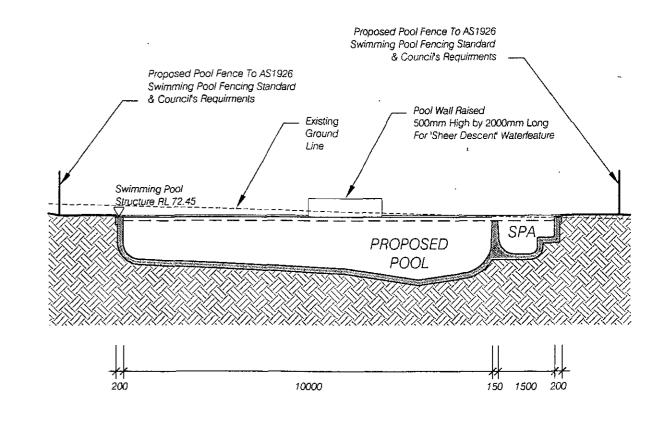
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SHEET 6 OF 8

DRAWING/CONTRACT No. BHP 10L17613







Section X

1 - 100 @ A3

Section Y

1 - 100 @ A3

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WARRINGAH COUNCIL

S E C T I O N S SCALE 1-100 0 1 2 3 4 5

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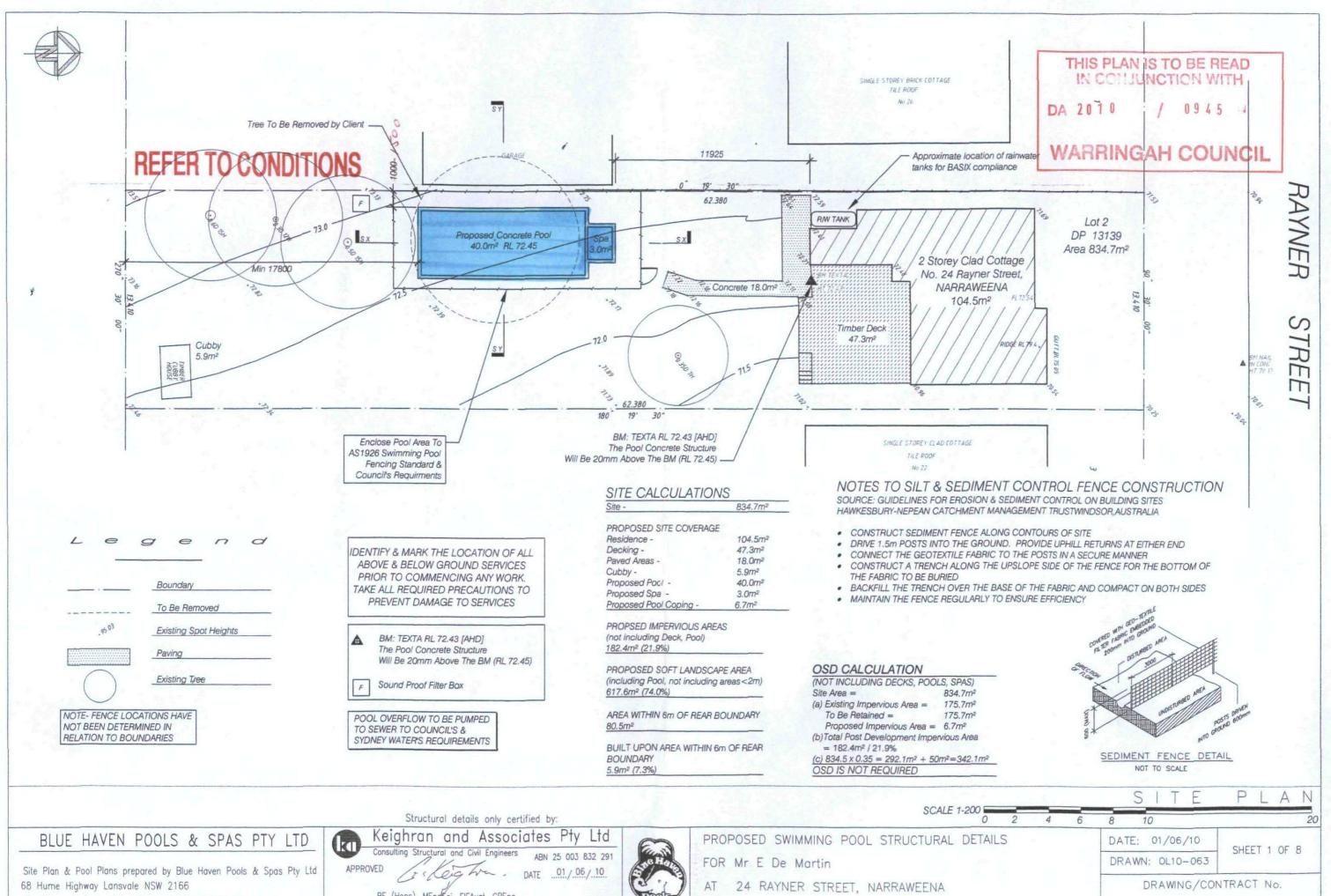
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