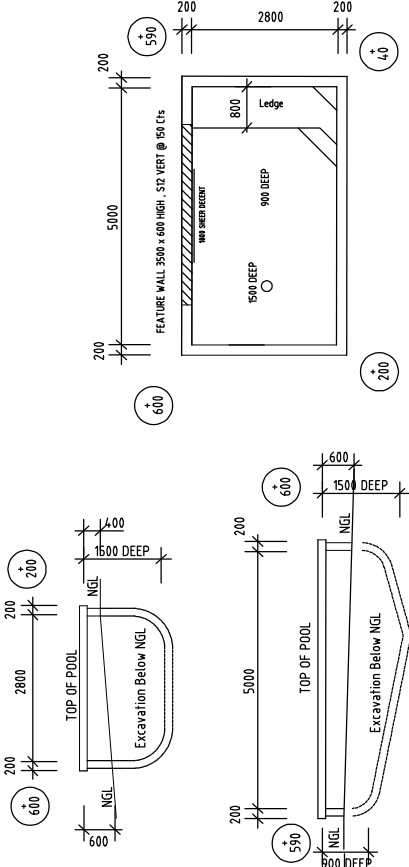


POOL WATER CAPACITY IS 18075 LITRES. THIS POOL IS LESS THAN 40,000 LITRES. THEREFORE NO BASIN CERTIFICATE IS REQUIRED.



**POOL SECTIONS**  
SCALE 1:100@A3

**POOL PLAN**  
SCALE 1:100@A3

LEVELS SHOWN INDICATE FINISHED STRUCTURAL LEVEL  
OR BELOW EXISTING GROUND LEVELS

**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 EMPLOYING 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 10m OF LARGE EXPANSIONS OF SALT WATER THE CONCRETE SHELL SHALL HAVE A MINIMUM 28 DAY CONCRETE COMPRESSIVE STRENGTH OF 30MPa.
- C4 CONCRETE SIZES SHALL 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 150 CROSS CENTRES.
- C7 ALL CONCRETE SHALL BE CURED FOR A MINIMUM OF 7 DAYS AFTER POURING BY KEEPING ALL EXPOSED SURFACES WET WITH WATER.
- C8 UNLESS OTHERWISE NOTED, ALL REINFORCEMENT LAPS SHALL BE AT A MINIMUM OF 500mm.
- C9 PROVIDE 10mm CONTROL JOINTS IN THE WALKWAY FINISH AT MAXIMUM 1000 CENTRES AND AT POINTS OF RE-ENTRANT CORNERS IN PLAN.
- C11 PROVIDE 10mm CONTROL JOINTS BETWEEN THE PERIMETER EDGE OF THE POOL AND ALL ADJUTING 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 POLYETHYLENE 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.

**BLUE HAVEN POOLS SOUTH PTY LTD**

Site Plan & Pool Plans prepared by Blue Haven Pools & Spas Pty Ltd  
88 Hume Highway Lansvale NSW 2166  
Telephone: (02) 9728 0444. Fax: (02) 9754 2906

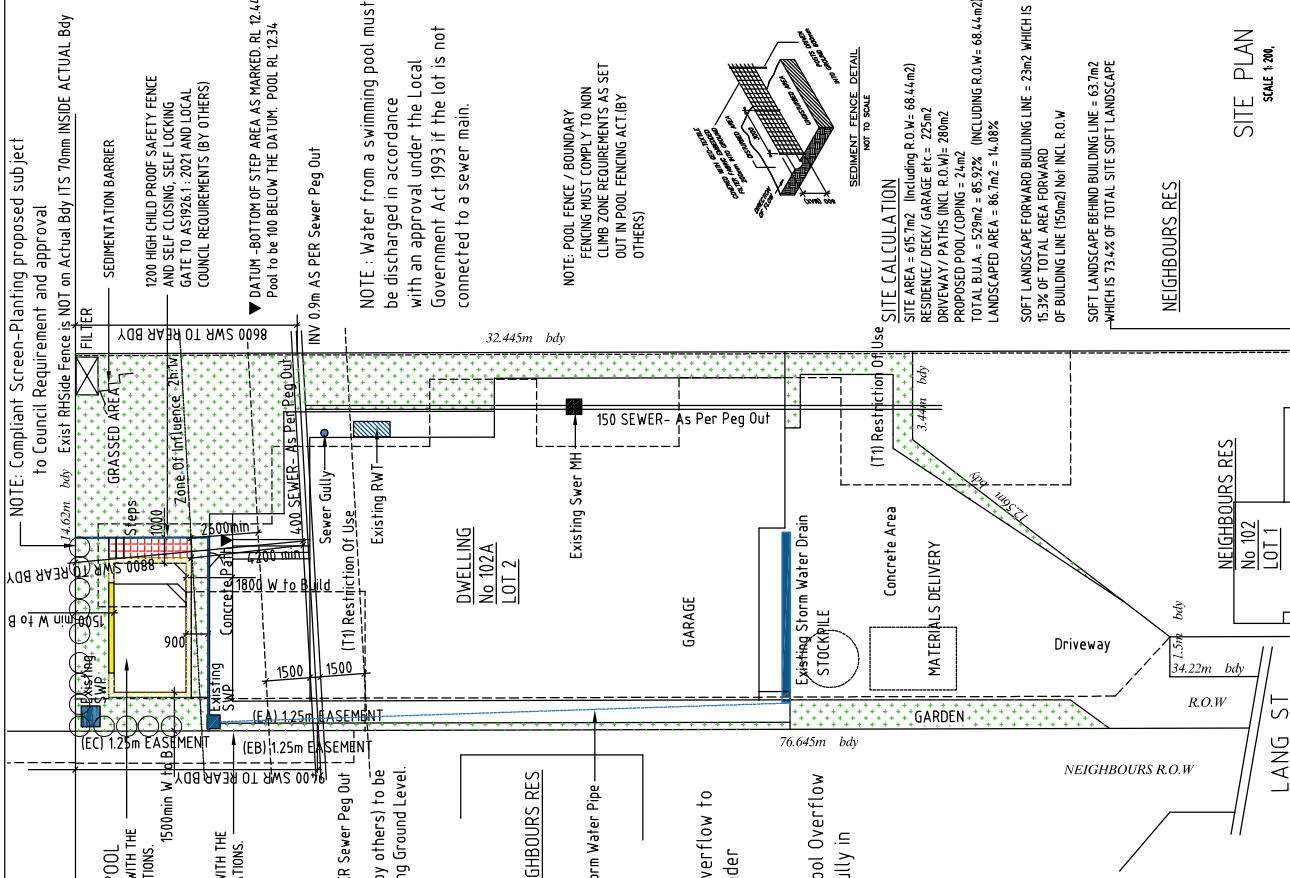
**Keighran and Associates Pty Ltd**  
Consulting Structural and Civil Engineers  
ABN 25 003 832 291  
APPROVED

*P. Keighran*  
BE (Hons), MEngSc, FRCASust, CPEng  
Registered NPER 3719 (Structural & Civil)



PROPOSED SWIMMING POOL STRUCTURAL DETAILS  
FOR: SHARMA  
AT: 102A LANG STREET, PADSTOW, NSW

NOTE: POOL SURROUNDS TO BE PAVED BY OTHERS



NOTE: COMPLIANT SCREEN-PLANTING PROPOSED SUBJECT TO COUNCIL REQUIREMENT AND APPROVAL. EXIST RHSIDE FENCE IS NOT ON ACTUAL BODY ITS 70mm INSIDE ACTUAL BODY

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

BOUNDARY FENCING TO COMPLY WITH THE SWIMMING POOL ACT AND REGULATIONS. FENCE MIN 1800 HIGH

Note: Proposed Pool surrounds (by others) to be no more than 600mm Above existing Ground Level.

BOUNDARY FENCING TO COMPLY WITH THE SWIMMING POOL ACT AND REGULATIONS. FENCE MIN 1800 HIGH. BY OTHERS



Note: Surface Stormwater overflow to comply with requirements under AS 3500.3:2021

NOTE: Proposed Swimming Pool Overflow to be Conveyed to Sewer gully in accordance with AS 3500

LEGEND	
	GRASSED AREA
	HARD SURFACE (Coping)
	HARD SURFACE (Surrounds)
	SEWER MANHOLE
	SEWER LINE
	EASEMENT
	FILTER BOX/ PUMPS
	Rain Water Tank
	TREES/ GARDENS
	RETAINING WALL
	FEATURE WALL
	HYDRO VALVE
	POOL FENCE/ GATE

**SITE CALCULATION**

SITE AREA = 675.7m<sup>2</sup> (Including P.O.W = 68.44m<sup>2</sup>)  
RESIDENCE / DECK / GARAGE etc = 225m<sup>2</sup>  
DRIVEWAY / PATHS (INCL. R.O.W) = 280m<sup>2</sup>  
PROPOSED POOL / COPING = 240m<sup>2</sup>  
TOTAL B.U.A. = 529m<sup>2</sup> = 85.92% (INCLUDING R.O.W = 68.44m<sup>2</sup>)  
LANDSCAPED AREA = 86.7m<sup>2</sup> = 14.08%  
SOFT LANDSCAPE FORWARD BUILDING LINE = 23m<sup>2</sup> WHICH IS 15.3% OF TOTAL AREA FORWARD OF BUILDING LINE (150m<sup>2</sup>) NOT INCL. R.O.W  
SOFT LANDSCAPE BEHIND BUILDING LINE = 63.7m<sup>2</sup> WHICH IS 73.4% OF TOTAL SITE SOFT LANDSCAPE

**NEIGHBOURS RES**

NEIGHBOURS RES No 102A LOT 1  
LANG ST  
R.O.W

**SITE PLAN**  
SCALE 1:200

DATE: 4/12/25

DRAWN: JF

SHEET 1 OF 4

CONTRACT No./DRAWING No.  
25S7105 - H - 170426