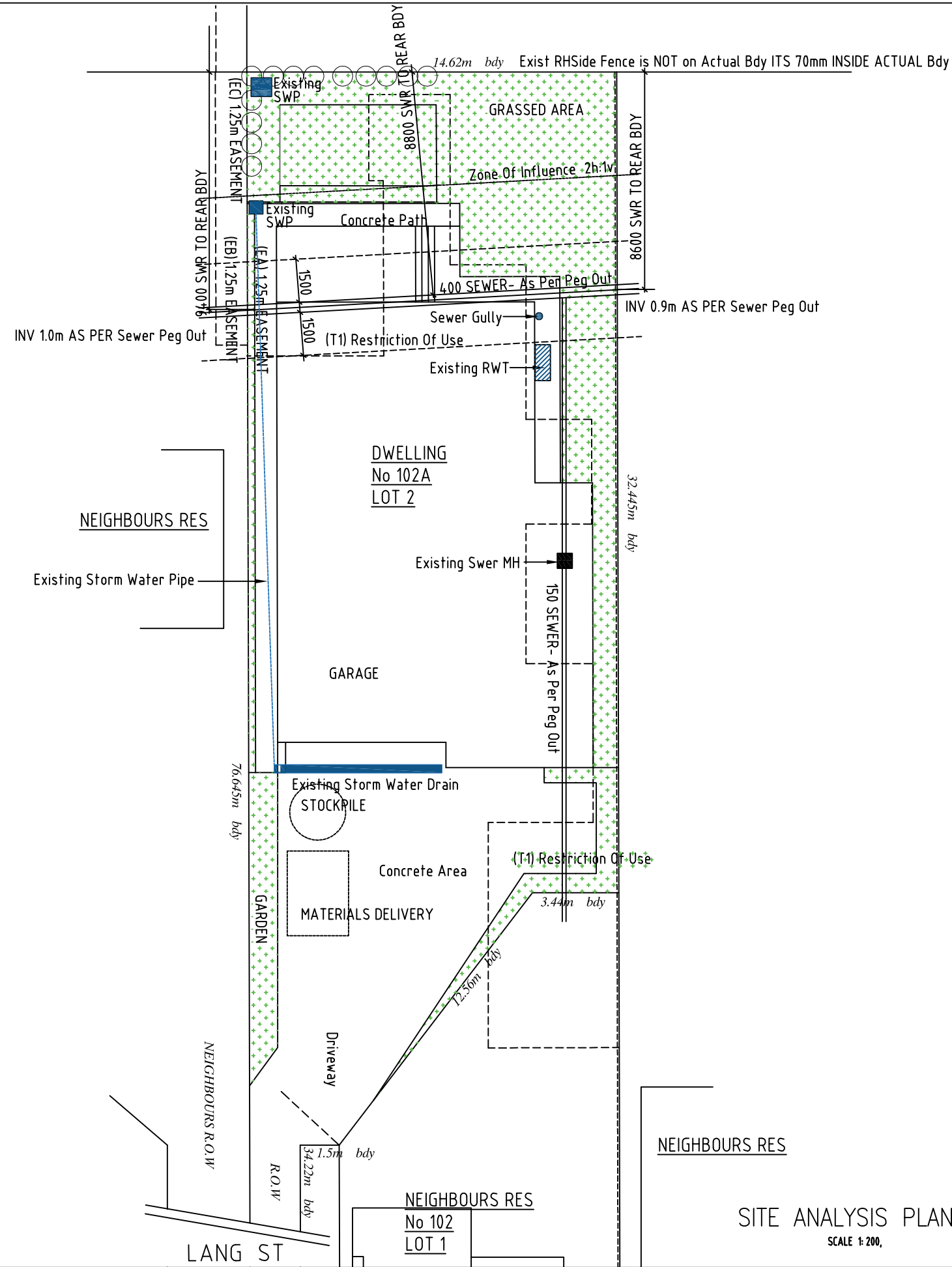




Structural details only certified by:



Keighran and Associates Pty Ltd

Consulting Structural and Civil Engineers

ABN 25 003 832 291

APPROVED

*G. Keighran*

DATE 4/12/25

BE (Hons), MEngSci, FIEAust, CPEng

Registered NPER 3719 (Structural & Civil)



PROPOSED SWIMMING POOL STRUCTURAL DETAILS

FOR: SHARMA

AT: 102A LANG STREET, PADSTOW. NSW

DATE: 4/12/25

DRAWN: JF

SHEET 1 OF 1

CONTRACT No./DRAWING No.

25S7105 - G- 270326

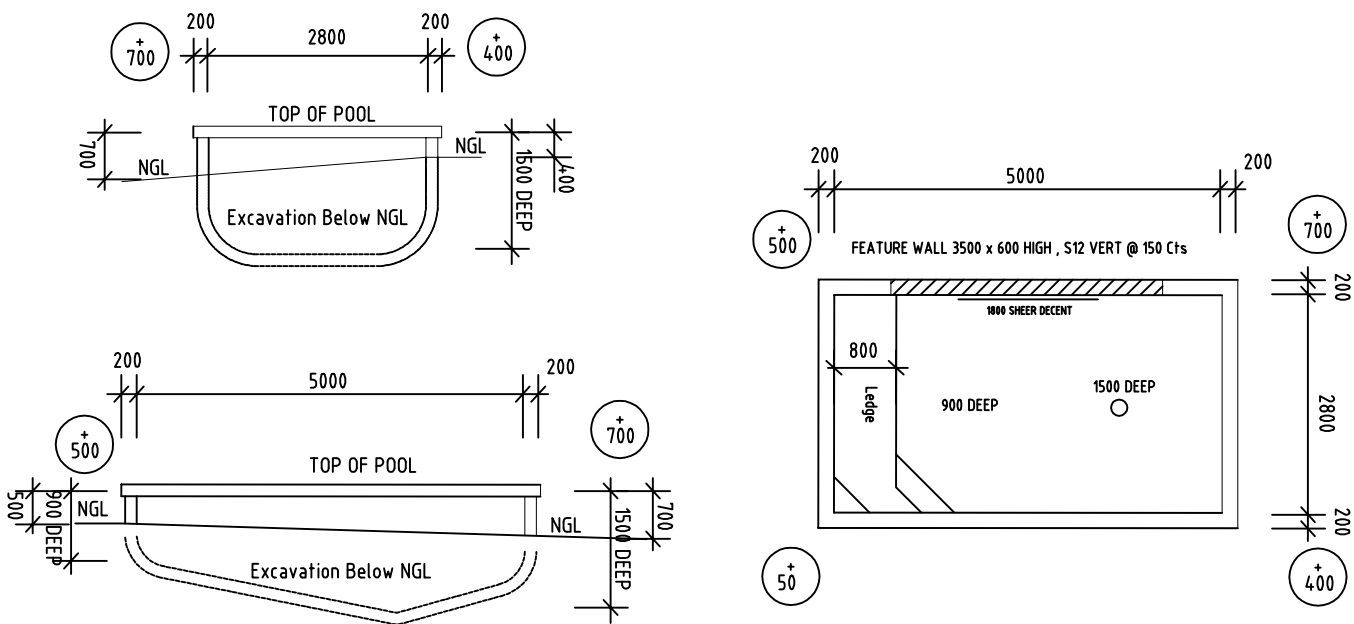
BLUE HAVEN POOLS SOUTH PTY LTD

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

NOTE: SUPERVISOR / BUILDER TO CONFIRM LOCATION OF SKIMMER, LIGHT ETC ON SITE  
NOTE: SUPERVISOR / BUILDER TO CONFIRM SET OUT ENTRY STEPS/ LEDGES ETC ON SITE



SCALE 1:100@A3

SCALE 1:100@A3

LEVELS SHOWN INDICATE FINISHED STRUCTURAL LEVEL  
 ABOVE  OR BELOW EXISTING GROUND LEVELS

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.

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.

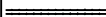
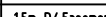
|    |                                                                                                                                                                                                                                                                                                                                                                                              |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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:

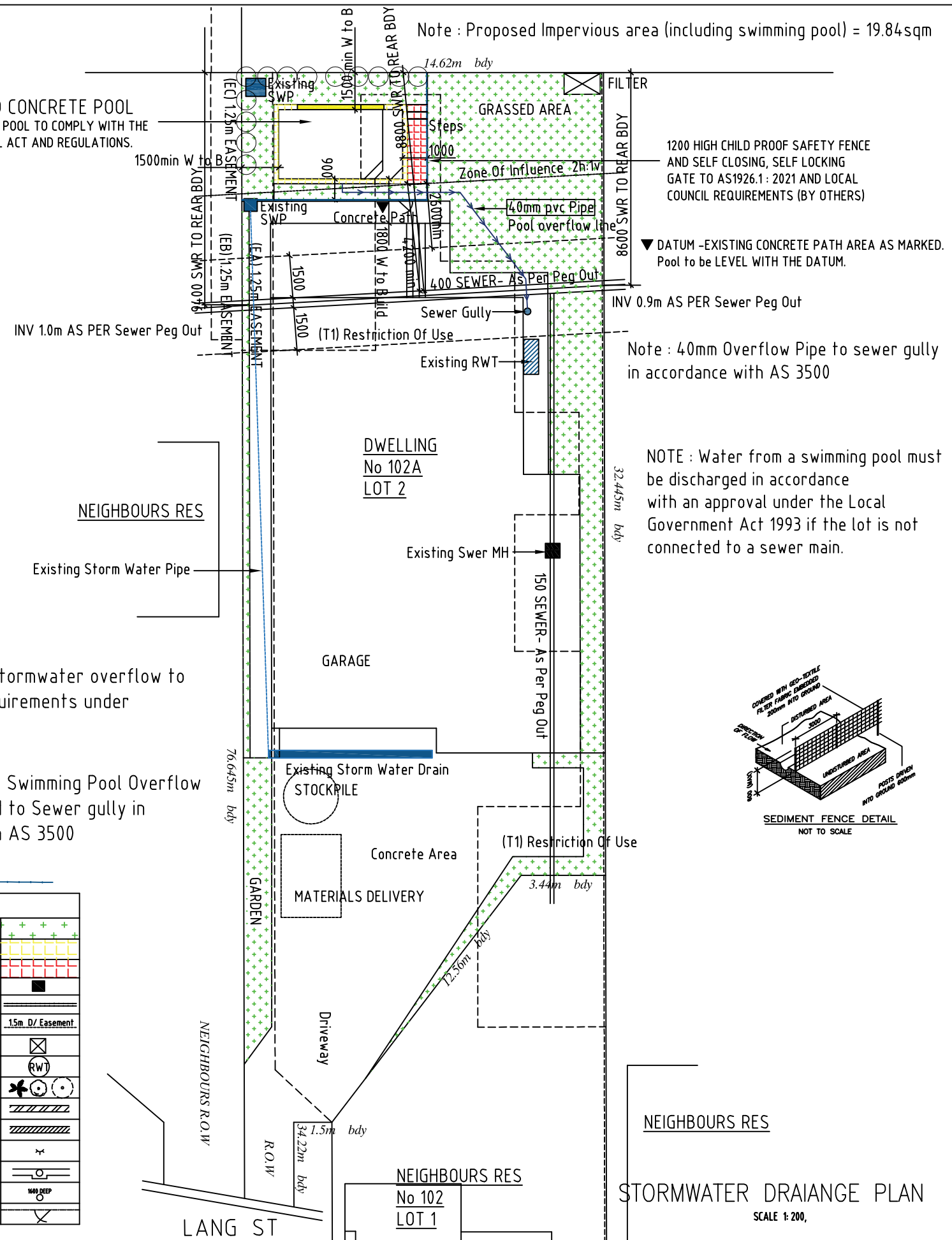
Structural details only certified by:



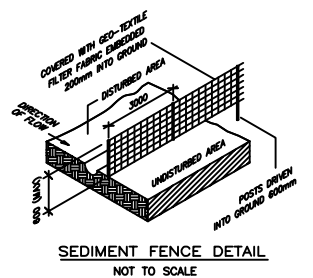
NOTE: Proposed Swimming Pool Overflow  
to be Conveyed to Sewer gully in  
accordance with AS 3500

| STORM WATER PIPE         |                                                                                                    |
|--------------------------|----------------------------------------------------------------------------------------------------|
| 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              | <br>1600 DEEP |
| POOL FENCE/ GATE         |               |

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



NOTE : Water from a swimming pool must be discharged in accordance with an approval under the Local Government Act 1993 if the lot is not connected to a sewer main.



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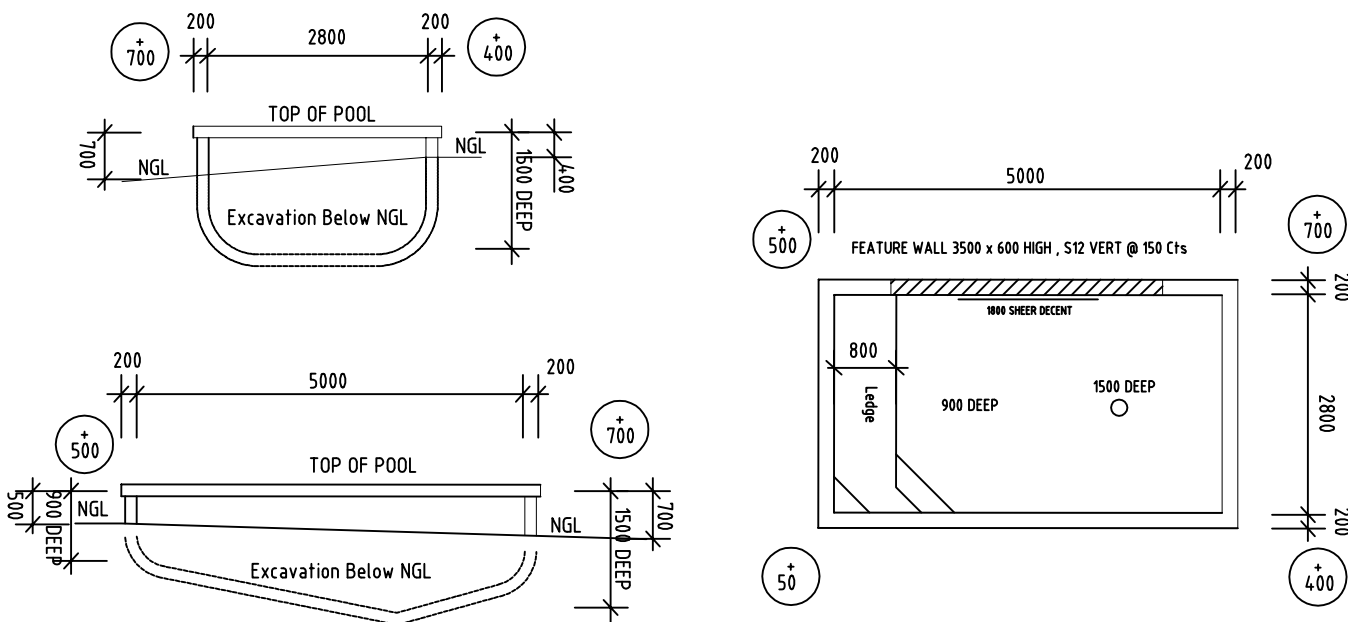
DATE: 4/12/25

DRAWN: JF

SHEET 1 OF 1

CONTRACT No./DRAWING No.  
25S7105 - G- 270326

NOTE: SUPERVISOR / BUILDER TO CONFIRM LOCATION OF SKIMMER, LIGHT ETC ON SITE  
NOTE: SUPERVISOR / BUILDER TO CONFIRM SET OUT ENTRY STEPS/ LEDGES ETC ON SITE



# P00L PLAN

LEVELS SHOWN INDICATE FINISHED STRUCTURAL LEVEL  
 ABOVE  OR BELOW EXISTING GROUND LEVELS

SCALE 1:100@A3

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

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

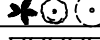
NEIGHBOURS RES



Existing Storm Water Pipe

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

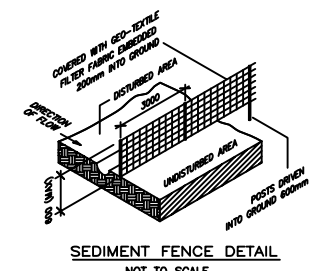
| LEGEND                    |                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------|
| GRASSED AREA              |              |
| HARD SURFACE (Coping)     |              |
| HARD SURFACE ( Surrounds) |              |
| SEWER MANHOLE             |              |
| SEWER LINE                |              |
| EASEMENT                  | <u>15m D/ Easement</u>                                                                            |
| FILTER BOX/ PUMPS         |              |
| Rain Water Tank           |              |
| TREES/ GARDENS            |              |
| RETAINING WALL            |              |
| FEATURE WALL              |              |
|                           |              |
|                           |              |
| HYDRO VALVE               | <br>160 DEEP |
| POOL FENCE/ GATE          |              |

Structural details only certified by:

▼ DATUM -EXISTING CONCRETE PATH AREA AS MARKED.  
Pool to be LEVEL WITH THE DATUM.

NOTE : Water from a swimming pool must be discharged in accordance with an approval under the Local Government Act 1993 if the lot is not connected to a sewer main.

NOTE: POOL FENCE / BOUNDARY  
FENCING MUST COMPLY TO NON  
CLIMB ZONE REQUIREMENTS AS SET  
OUT IN POOL FENCING ACT.(BY  
OTHERS)



## SITE CALCULATION

SITE AREA = 615.7m<sup>2</sup>  
RESIDENCE/ DECK/ GARAGE etc.= 225m<sup>2</sup>  
DRIVEWAY/ PATHS (INCL R.O.W)= 280m<sup>2</sup>  
PROPOSED POOL/COPING = 24m<sup>2</sup>  
TOTAL B.U.A. = 529m<sup>2</sup> = 85.92%  
LANDSCAPED AREA = 86.7m<sup>2</sup> = 14.08%

SOFT LANDSCAPE FORWARD BUILDING LINE = 23m2  
WHICH IS 15.3% OF TOTAL AREA FORWARD  
OF BUILDING LINE (150m2) Not INCL R.O.W

SOFT LANDSCAPE BEHIND BUILDING LINE = 63.7m2  
WHICH IS 73.4% OF TOTAL SITE SOFT LANDSCAPE

NEIGHBOURS RES

## SITE PLAN

SCALE 1: 200,

BLUE HAVEN POOLS SOUTH PTY LTD



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## PROPOSED SWIMMING POOL STRUCTURAL DETAILS

FOR: SHARMA

AT: 102A LANG STREET, PADSTOW. NSW

DATE: 4/12/25

DRAWN: JF

SHEET 1 OF 4

CONTRACT No./DRAWING No.

25S7105 - G- 270326

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68 Hume Highway Lansvale NSW 2166

Telephone: (02) 9728 0444 Fax: (02) 9754 2906

SCALE 1: 50@A3

CONTRACT No./DRAWING No.  
25S7105 - F- 290126 Z01