

PROPOSED POOL LENGTH SECTION

Amended: Pool Depths  
Added approx. excavation below 1000mm

**PACIFIC POOLS P/L**  
84 Third road, Berkshire Park  
license no. 62686C Ph 9897 5566

BOUNDARY NOTE:

BOUNDARY INFORMATION SUPPLIED BY OWNER.  
CONFIRM ALL BOUNDARY INFORMATION PRIOR TO  
COMMENCEMENT OF WORK.

COUNCIL NOTES:


- NO EXISTING STORMWATER ON ALLOTMENT.
- NO WATERWAYS, WATERCOURSES OR EXISTING  
DRAINAGE PROBLEMS.
- EASMENTS SHOWN ON SITE PLAN.
- SEDIMENT DISPOSED OF TO COUNCIL'S REQUIREMENTS.

CONCRETE SLAB IN ACCORDANCE WITH CODE OF AUSTRALIA.

SEDIMENT CONTROL NOTES:

1. ALL EROSION AND SEDIMENTATION CONTROL MEASURES, INCLUDING REVEGETATION AND STORAGE OF SOIL AND TOPSOIL SHALL BE IMPLEMENTED TO THE STANDARDS OF THE SOIL CONSERVATION OF NSW.
2. ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILISED AS EARLY AS POSSIBLE DURING DEVELOPMENT.
3. SEDIMENT TRAPS SHALL BE CONSTRUCTED AROUND ALL INLET PITTS, CONSISTING OF 300mm WIDE x 300mm DEEP TRENCH.
4. ALL SEDIMENT BASINS AND TRAPS SHALL BE CLEANED WHEN THE STRUCTURES ARE 60% FULL OF SOIL MATERIALS, INCLUDING THE MAINTENANCE PERIOD.
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6. SOIL AND TOPSOIL STOCKPILES SHALL BE LOCATED AWAY FROM DRAINAGE LINES AND AREAS WHERE WATER MAY CONCENTRATE.
7. FILTERS SHALL BE CONSTRUCTED BY STRETCHING A FILTER FABRIC (PROPEX OR APPROVED EQUIVALENT) BETWEEN POSTS AT 3m CENTRES. FABRIC SHALL BE BURIED 150mm ALONG ITS LOWER EDGE.

Technical drawing showing a cross-section of a ditch or drainage area. The drawing illustrates a 'DISTURBED AREA' on the left, a 'SIEVE OR STEEL MESH 300mm x 300mm' installed across the ditch, and a 'PERFORATED FILTER FABRIC' above the mesh. Below the mesh, 'WASTES DRIVEN DOWN INTO DRAINAGE' are shown. A 'DETAIL OF OVERLAP' is indicated at the bottom right.

<b><u>BASIS</u></b>	NOT REQUIRED.
	POOL CAPACITY 26.82 KL.
<b><u>DATUM POINT</u></b>	 PAVED BALCONY POOL FINISHED 820MM BELOW DATUM
<b><u>SITE DETAILS:</u></b>	
SITE AREA	551.8 SQ. M.
BLOCK WIDTH	13.715 M.
PROPOSED POOL	17.88 SQ. M.
TOTAL LIVING AREA	233.94 SQ. M.
EXISTING HARD SURFACES	26.63 SQ. M.
LANDSCAPED AREA	291.23 SQ. M.
MIN. LANDSCAPED REQUIRED	110.2 SQ. M.

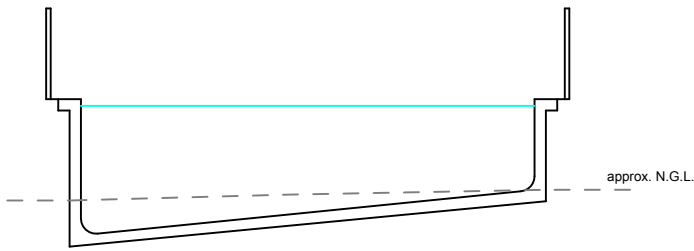
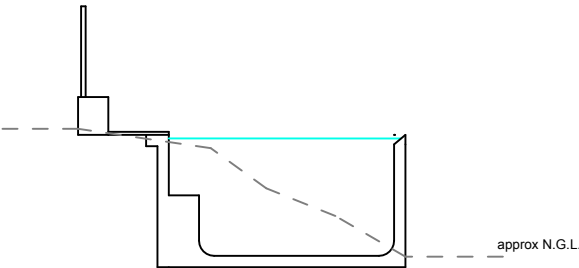
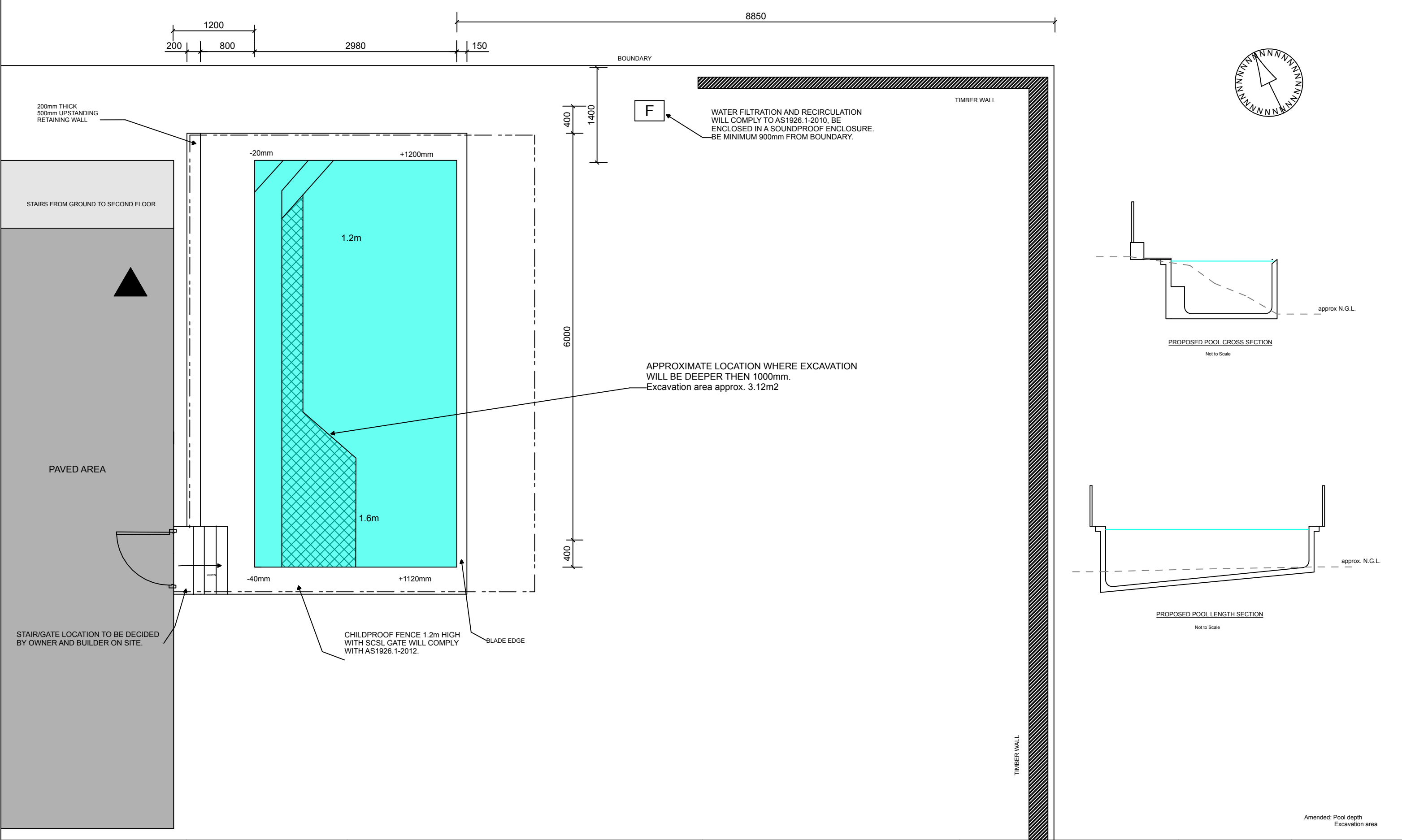
PROPOSED DEVELOPMENT:  
REINFORCED CONCRETE SWIMMING POOL

No. 107 PLATEAU ROAD, BILGOLA PLATEAU  
Lot 286 DP 16902

CLIENT <b><i>BRUNETTE</i></b>	SCALE  1:100 @ A3
DATE  APRIL 2019	PLAN NO.  <b>2019JW07 (A)</b>

Drawn by:

*JWConcepts&Design*

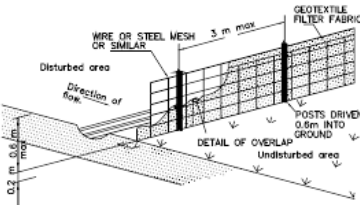


Amended: Pool depth  
Excavation area



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**POOL LAYOUT PLAN**

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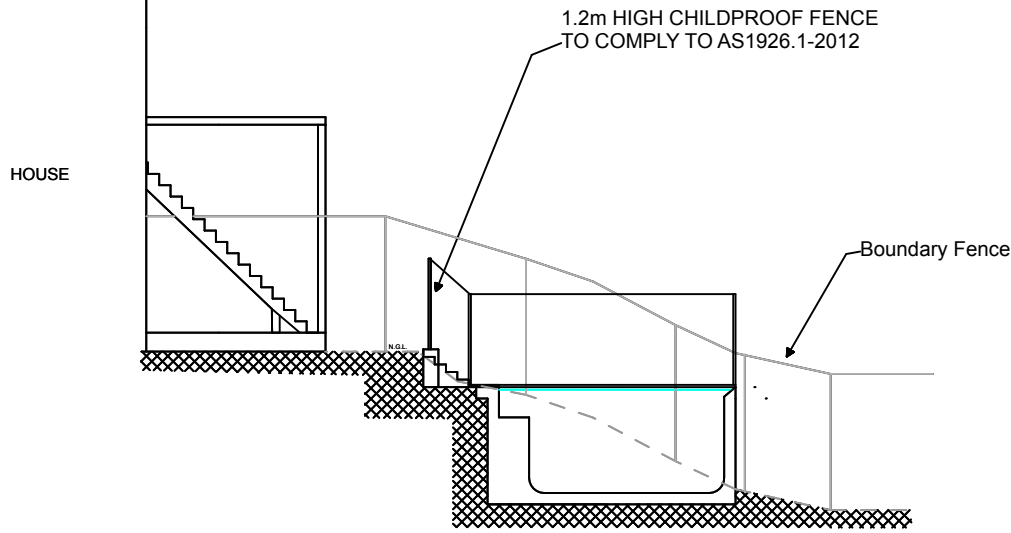
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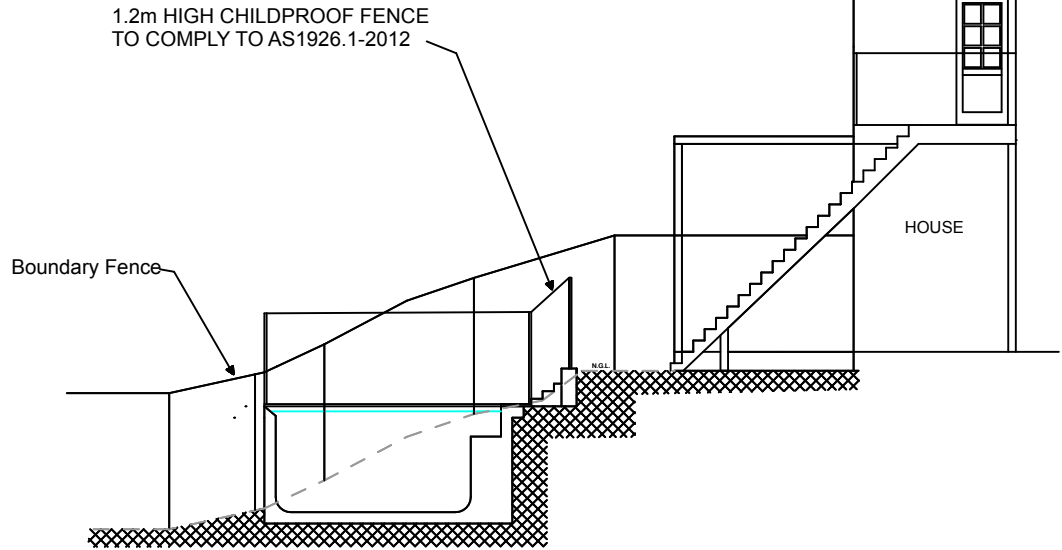
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SCALE  
1:50 @ A3

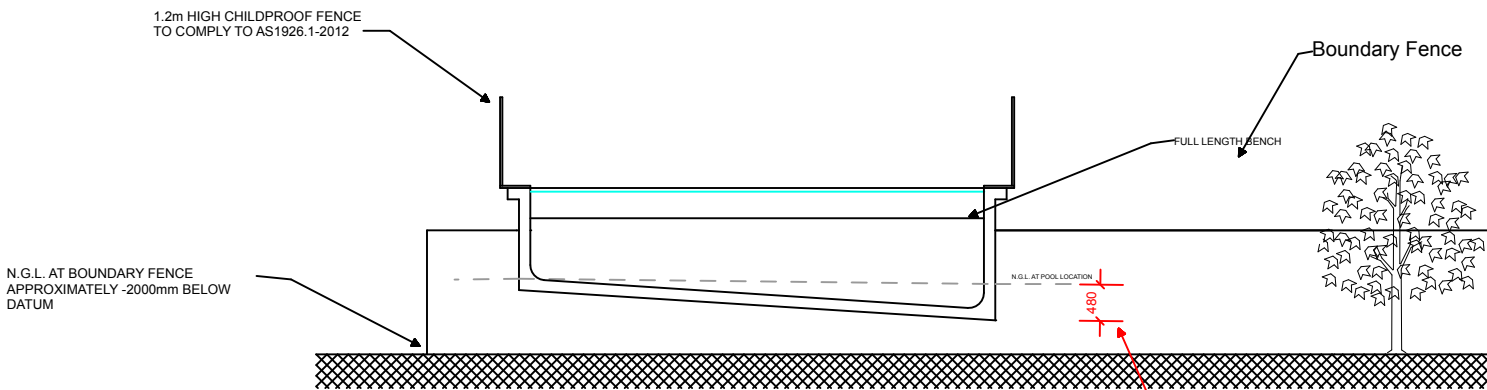
PLAN NO.  
**2019JW07.1 (A)**



PROPOSED POOL FROM SOUTH SIDE  
NOT TO SCALE  
REFERRING TO DWELLING ONLY



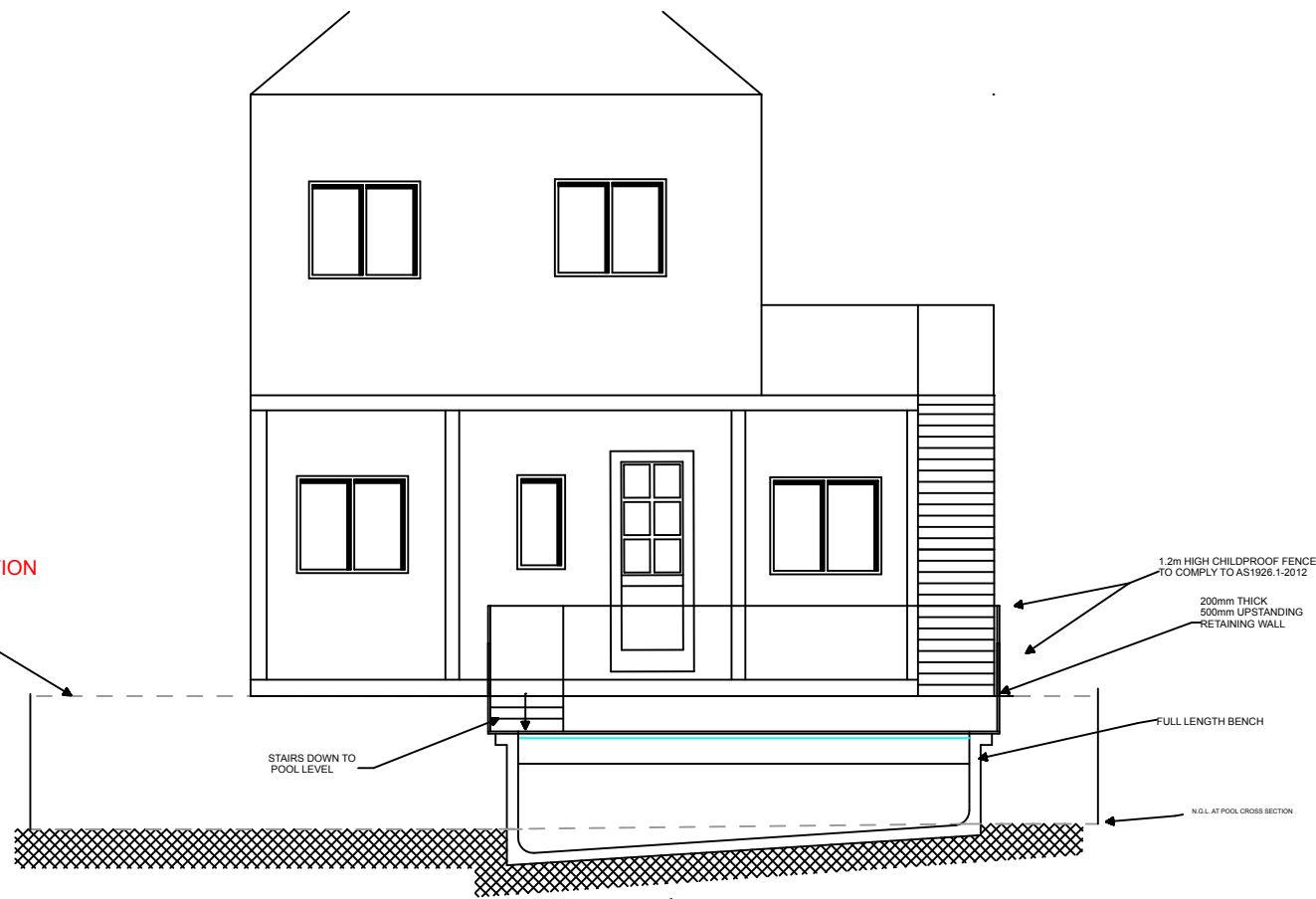
PROPOSED POOL FROM NORTH SIDE  
NOT TO SCALE  
REFERRING TO DWELLING ONLY



PROPOSED POOL FROM WEST SIDE  
NOT TO SCALE  
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POOL DEPTHS APPROXIMATELY  
1.2m (Shallow end)  
1.6m (Deep End)

APPROXIMATE DEPTH OF EXCAVATION  
IN DEEP END



PROPOSED POOL FROM EAST SIDE  
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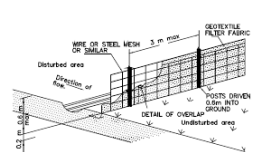
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**POOL AND SITE SECTION LAYOUT PLAN**

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REINFORCED CONCRETE SWIMMING POOL

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Lot 286 DP 16902

CLIENT  
**BRUNETTE**

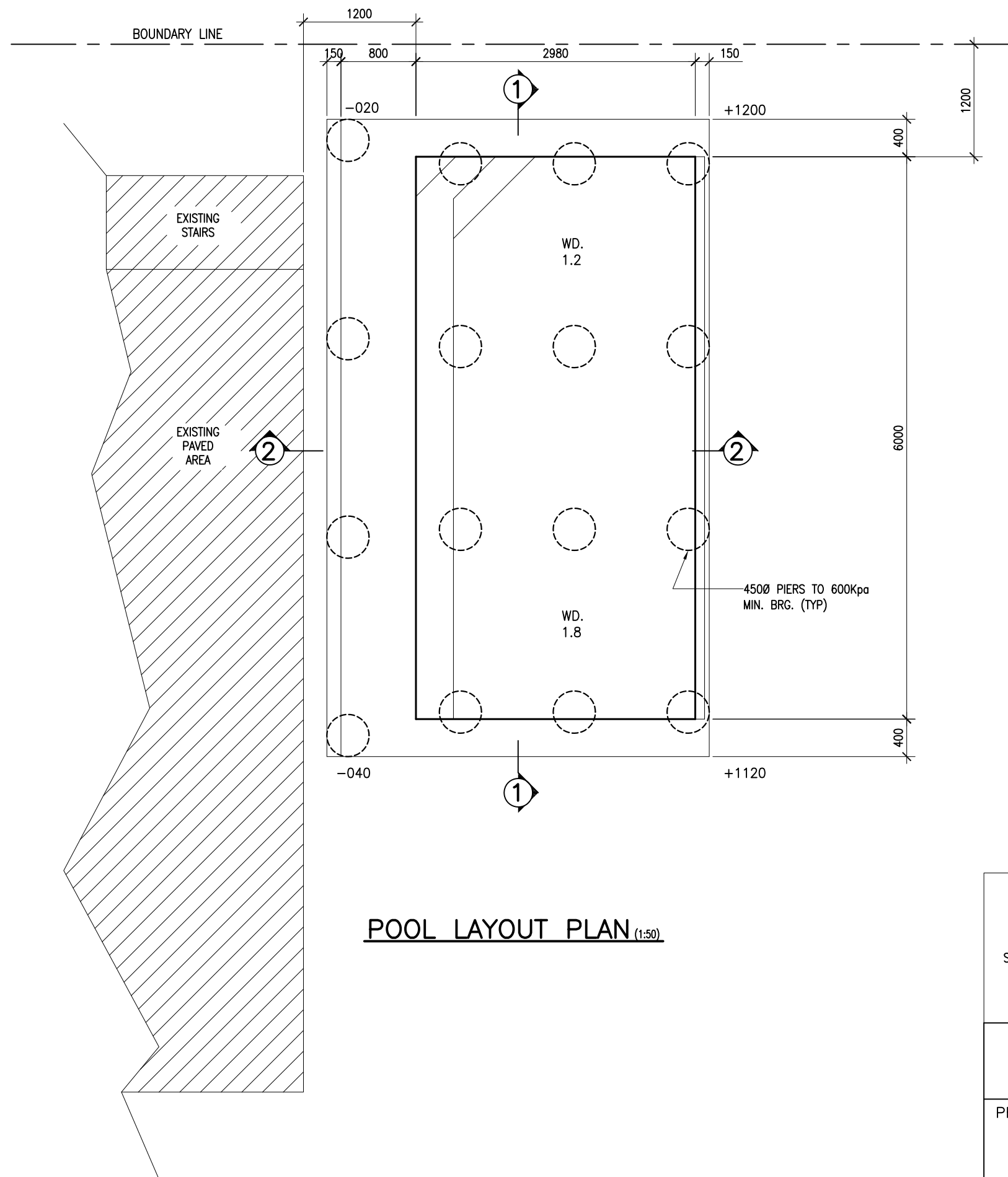
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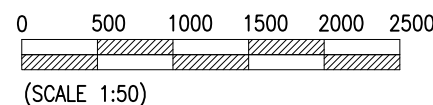
PLAN NO.  
**2019JW07.2**

Drawn by:

*JWConcepts&Design*



**POOL LAYOUT PLAN** (1:50)



# **CONSTRUCTION NOTES:**

## **General**

- G1 These specification are to be read in conjunction with the Architectural drawings.
- G2 Do not scale off any of the details use written dimensions only.
- G3 Structure to be kept in a stable condition and no part is to be overstressed.
- G4 All workmanship and materials to be in accordance with the relevant codes and ordinances.
- G5 Pool not designed for surcharge loading from other structures.
- G6 Builder to note that records must be kept as outlined in clause 6.4 of AS2783.
- G7 Wall thicknesses shown have no negative tolerances.
- G8 Pool must not be emptied until ground water pressures have been removed from pool base and wall.
- G9 Pool construction to conform with AS2783.
- G10 Sections 1-1 & 2-2 take preference over notes.
- G11 These details are primarily for structural details. All other ancillary information has been given by others and so we take no responsibility.

## **Foundation**

- F1 Pool is to be founded on approved natural ground with a bearing capacity of at least 100 kpa.
- F2 Pool wall can project a maximum of 600mm out of natural ground with that wall having bearing on at least 100 kpa. If > 600mm protrusion engineer to be notified and revised details given.
- F3 Excavation to be kept free of water. If surface deteriorates loose or soft material is to be removed.
- F4 Pool suitable for site **Classed A, S or M** as per AS2870 any other condition, engineer is to be notified and details modified.
- F5 Foundation material to be approved by engineers prior to pouring of shell.

## **Concrete**

- C1 All workmanship and materials to be in accordance with AS3600.
  - C2 Concrete quality.
- | Element | Slump | Max. Agg. Size | Exposure Classification             | AS3600 Fc (Mpa)            |
|---------|-------|----------------|-------------------------------------|----------------------------|
| Pool    | 80    | 10             | A1<br>BT<br>B2<br>Saline soils<br>C | 28<br>28<br>32<br>32<br>40 |

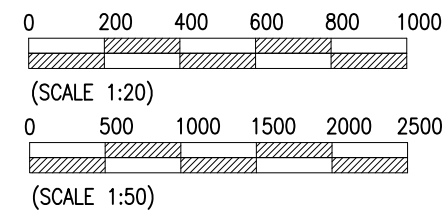
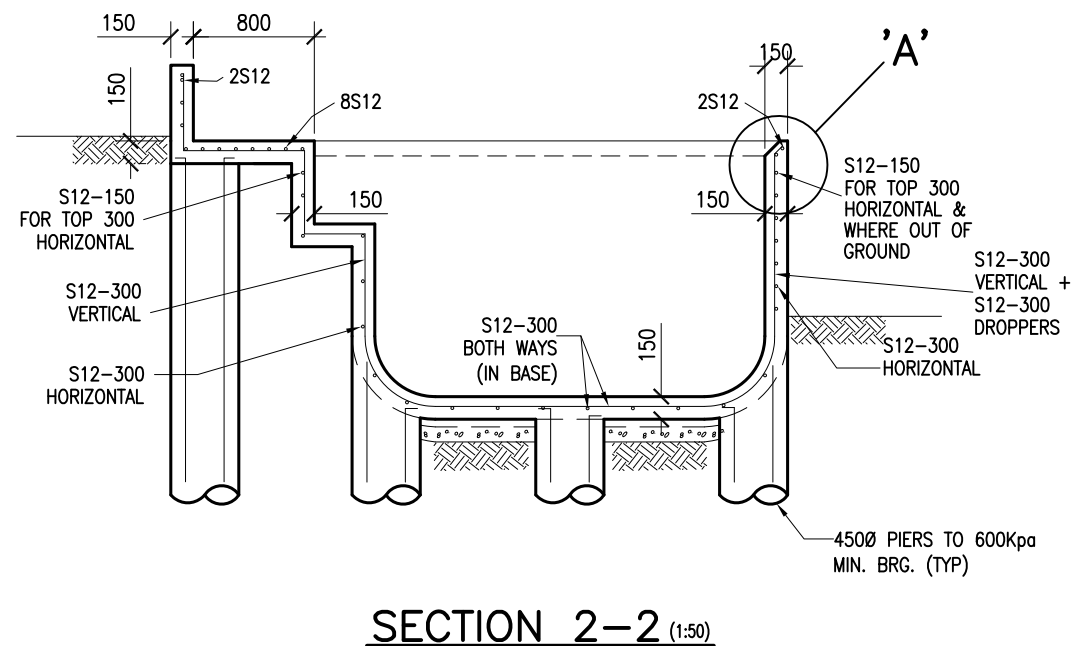
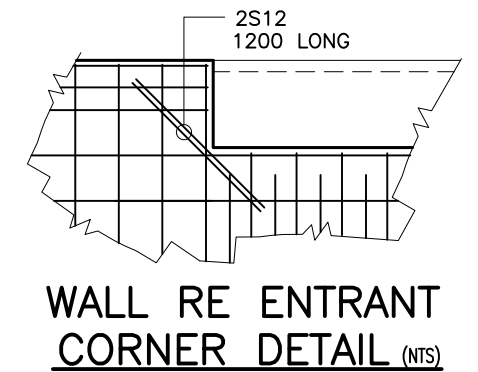
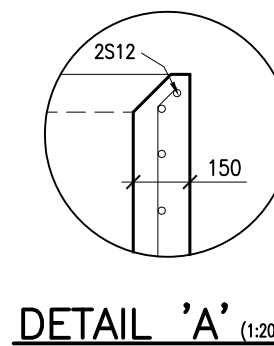
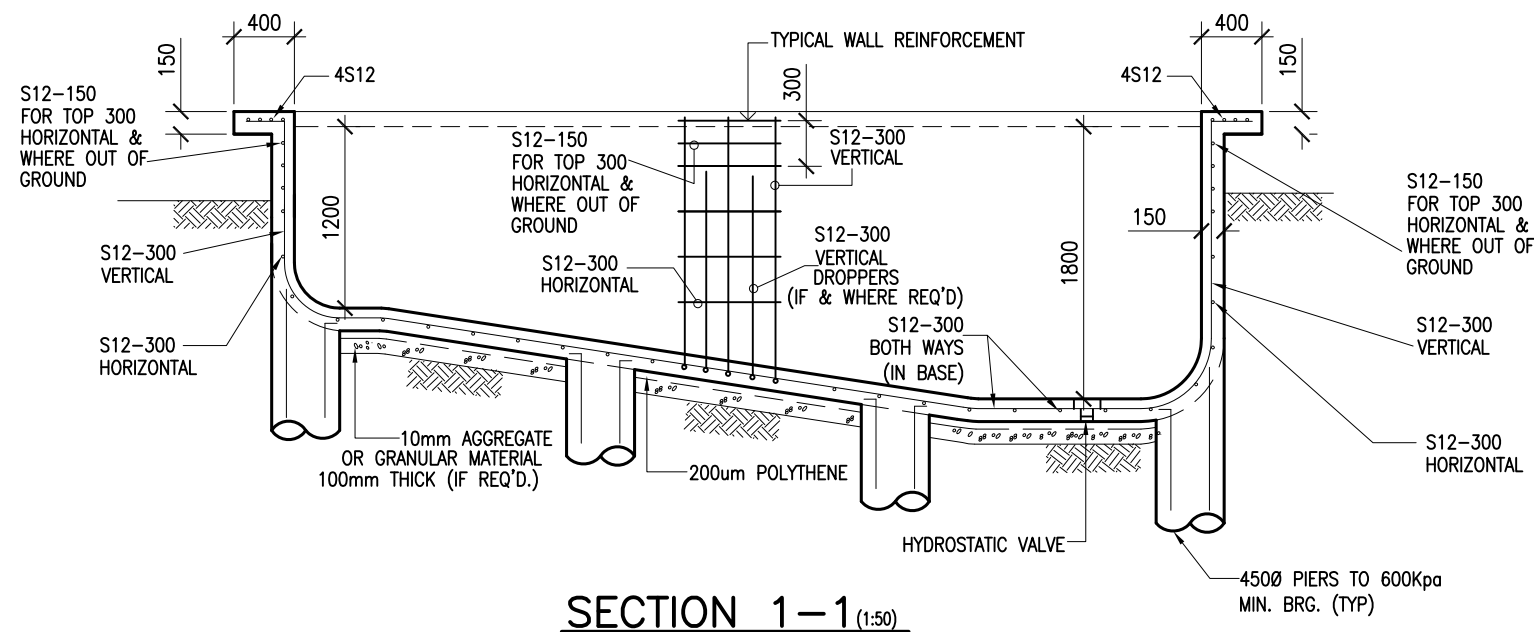
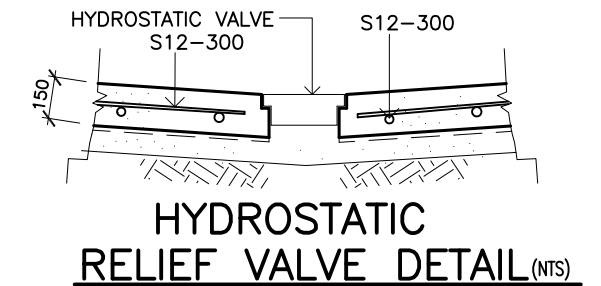
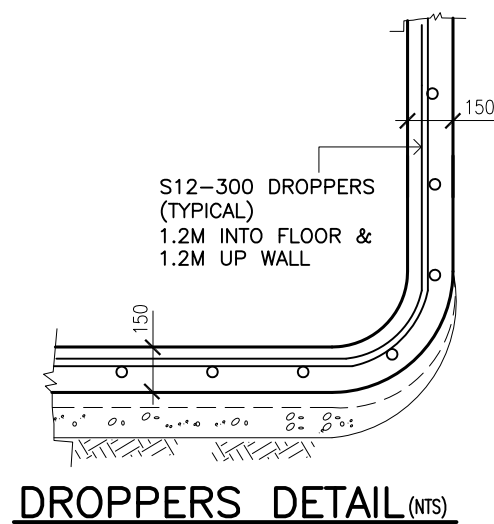
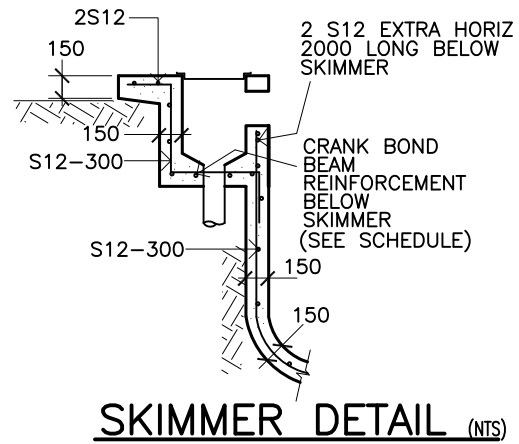
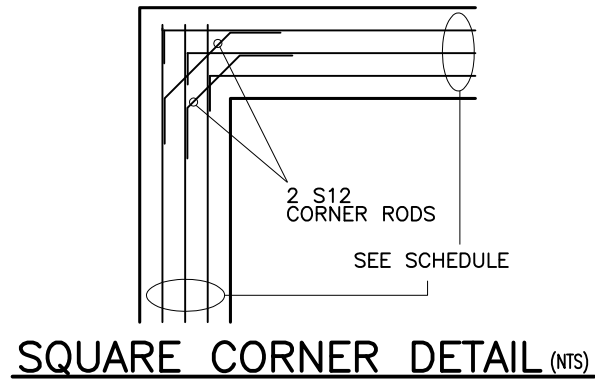
schedule	
Coping width CW	Reo required
200	2S12
350	3S12
400	4S12
800	8S12
900	9S12

- C3 Cement content  $\leq 280 \text{ kg/m}^3$
  - C4 Clear concrete cover to reo.
- | Exposure                                       | Cover |
|--|-------|
| Formed face of insitu concrete                 | 40    |
| Exposed face of pneumatically applied concrete | 50    |
| Concrete placed in contact with ground         | 60    |
| Faces exposed in aggressive water              | 70    |
- C5 Sizes of concrete do not include applied finishes.
  - C6 Construction joints located to the approval of the Engineer.
  - C7 Contractor to notify Engineer 24hrs prior to any concrete being poured.
- Relief value as per details  
Design details comply with:  
AS1170 Pt 1 SAA Loading Code  
AS3600 SAA Concrete Structures Code  
AS2783 SAA Concrete Pool Code  
AS2610 Pt 2 SAA Pool Part 2 Private Spas
- Internal Finish ; As Req'd.  
Pool Data  
Maximum depth 1.8 M  
Maximum length 6.0 M
- Reo**  
R1 All reinforcement shall comply with AS1304.  
R2 Reinforcement to be supported on approved chairs spaced 1000 max.  
R3 Min Lap S12 bars - 450mm

Registered Professional Engineer 229550  
**Mr John Cavasinni**  
MIEAust CPENG (Civil / Structural)

Signature: Date: 08 / 05 / 19  
Registered on the NPER in the category of  
**Civil / Structural**  
National Professional Engineers Register

<b>PACIFIC POOLS P/L</b> < ACN 067 579 195 > 84 THIRD RD, BERKSHIRE PARK 2765 Licence No 62686C Ph 9897 5566		<b>JOHN CAVASINNI &amp; ASSOC. P/L</b> CIVIL & STRUCTURAL ENGINEERING CONSULTANTS ACN 000 906 936 Ph: 9620 1161 P O BOX 22 HORSLEY PARK 2175 9 GIBSON LANE, HORSLEY PARK Mobile: 0418 25 8645 email: caveng@bigpond.com	
PROJECT	PROPOSED REINFORCED CONCRETE POOL <b>107 PLATEAU ROAD BILGOLA PLATEAU</b>	Drawn: MP	Scale: As noted
CLIENT	<b>BRUNETTE</b>	Approved:	Date: MAY 2019
TITLE	SWIMMING POOL PLAN	Drawing No. <b>2019PR1400</b>	<b>1/2</b>



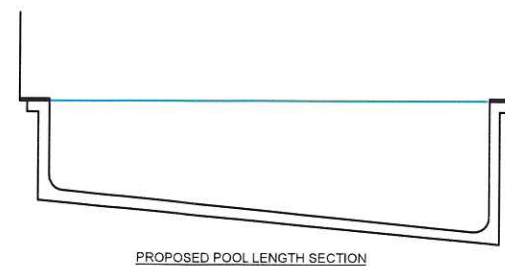
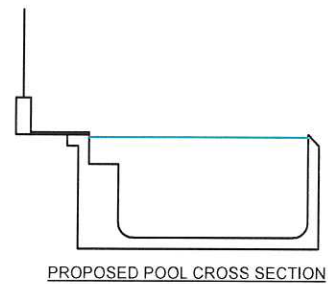
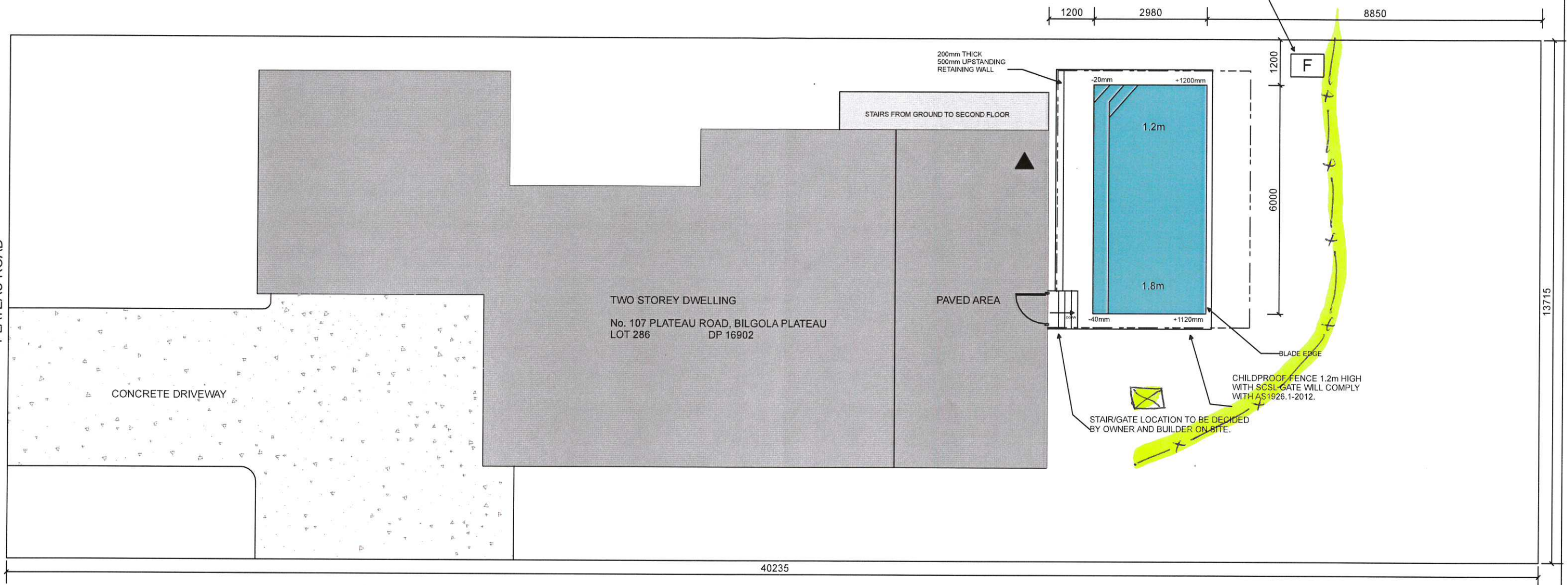
**NOTE: SECTIONS 1-1 & 2-2  
TAKE PREFERENCE OVER STANDARD DETAILS**

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TITLE	SWIMMING POOL DETAILS & SECTIONS	Drawing No. <b>2019PR1400</b>	<b>2/2</b>





PLATEAU ROAD



Materials Storage Area

Location of sediment barrier if required

## Erosion, Sediment & Waste Management Plan.

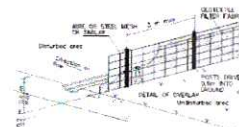


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