SPECIFICATION:

1. ALL FENCES & SELF CLOSING LATCHING GATES TO BE OPERATING PRIOR TO POOL BEING FILLED WITH WATER.
2. UNDERWATER LIGHTS (IF ANY) MUST NOT BE TURNED ON WHEN POOL IS EMPTY.
3. WALKWAYS ARE NOT DESIGNED TO SUPPORT MASONRY WALLS U.N.O.
4. DESIGN LIVE LOAD FOR WALKWAYS & CONCOURSES = 3.0 kPa.
5. ALL DIMENSIONS LOCATING POOL ON SITE ARE TO WATER FACE.
6. WRITTEN DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALING.
7. ENGINEER SHALL BE ADVISED IF EXCAVATION IS IN FILL OR IF EXCESSIVE GROUND WATER IS ENCOUNTERED.
8. SUPPORTING SOIL TO BE STABLE NATURAL GROUND OF UNIFORM MOISTURE CONTENT, WITH SAFE BEARING CAPACITY OF 150 kPa.
9. WHERE IT IS CONSIDERED THAT GROUND WATER CAN BUILD UP TO A LEVEL 500 mm ABOVE THE EXCAVATION, ADEQUATE DRAINAGE SHALL BE PROVIDED UNDER THE POOL FLOOR.
10. CONCRETE TO HAVE A MINIMUM DESIGN STRENGTH F'c = 25 MPa AT 28 DAYS FOR NEAR-COASTAL (1km to 50km FROM LARGE EXPANSES OF SALT WATER) OR FOR COASTAL (WITHIN 1km OF LARGE EXPANSES OF SALT WATER) 32 MPa AT 28 DAYS. CONCRETE TO BE PNEUMATICALLY APPLIED. IF SOIL IS SALINE AFFECTED CONTACT THIS OFFICE.
11. UPON COMPLETION OF CONCRETING, THE HYDROSTATIC VALVE IS TO BE CHECKED TO ENSURE EFFECTIVE AND PROPER OPERATION.
12. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED BY BAR CHAIRS AT APPROX 1m CRS. VERTICALLY AND HORIZONTAL.
13. REINFORCEMENT SHALL BE STRUCTURAL GRADE DEFORMED BAR GRADE 250S OR 500N, IN ACCORDANCE WITH A.S.4671, AND SHALL BE SPLICED WITH MIN. LAP OF 500mm.
14. ALL REINFORCING BARS SHALL COMPLY WITH AS 4671. ALL FABRIC SHALL COMPLY WITH AS 4671 AND SHALL BE SUPPLIED IN FLAT SHEETS. ALL BARS SHALL BE SPLICED WITH MIN. LAP OF 500mm.
15. REINFORCING SYMBOLS:
    - N - DENOTES GRADE D500 HIGH STRENGTH DEFORMED BARS TO AS4671.
    - S - DENOTES GRADE S250 STRUCTURAL DEFORMED BARS TO AS4671
    - R - DENOTES GRADE R250 HOT ROLLED PLAIN BARS TO AS4671.
    - SL- DENOTES HARD-DRAWN WIRE SQUARE REINFORCING FABRIC TO AS4671.
    - RL- DENOTES HARD-DRAWN WIRE RECTANGULAR REINFORCING FABRIC TO AS4671.
    - L - DENOTES HARD-DRAWN WIRE TRENCH MESH TO AS4671.

    THE NUMBER IMMEDIATELY FOLLOWING THESE SYMBOLS IS THE BAR DIAMETER IN MILLIMETRES.
16. WATER FACE REINFORCEMENT TO HAVE 65mm CONCRETE COVER. REAR FACE REINF. TO HAVE 65 mm COVER.
17. SPLICES IN BOND BEAM BARS TO BE STAGGERED.
18. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF CURRENT SAA CODES (IN PARTICULAR AS4671, AS2783, & AS3600), BY-LAWS AND ORDINANCES OF THE LOCAL GOVERNMENT AUTHORITY.
19. ENGINEER SHALL BE ADVISED OF SURCHARGE FROM NEARBY BUILDINGS OR EXTRA WEIGHT BEARING UPON POOL WALLS FOR APPROVAL OR RECOMMENDATIONS.
20. THE WALL SHALL NOT BE EXPOSED AND OUT OF THE NATURAL GROUND LEVEL FOR MORE THAN 900 mm, MEASURED FROM THE TOP OF THE BOND BEAM.
21. THE CONCRETE SHALL BE CURED BY KEEPING CONTINUOUSLY WET FOR AT LEAST 10 DAYS AFTER PLACING.
22. ANY VARIATION IN THE ABOVE MENTIONED CONDITIONS SHALL BE REFERRED TO THE ENGINEER FOR APPROVAL OR RECOMMENDATIONS.
23. THESE DRAWINGS DO NOT INCLUDE FINISHES AND FITTINGS. AND SHALL BE READ WITH THE CONTRACT DOCUMENTS.
24. ENGINEER SHALL BE NOTIFIED IF THE EXCAVATION COULD EFFECT ADJACENT STRUCTURES AND SERVICES.
25. ROLLED FILL CONSISTS OF MATERIAL COMPACTED IN LAYERS BY REPEATED ROLLING WITH AN EXCAVATOR. ROLLED FILL SHALL NOT EXCEED 600mm COMPACTED IN LAYERS NOT MORE THAN 300mm FOR SAND MATERIAL OR 400mm COMPACTED IN LAYERS NOT MORE THAN 150mm FOR OTHER MATERIAL.

NOTE:

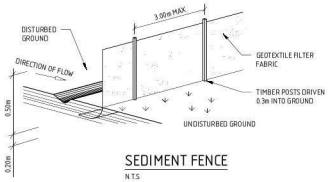
IT IS ASSUMED POOL IS COMPLETELY IN NATURAL GROUND. SHOULD THIS NOT BE THE CASE, ENGINEER TO BE NOTIFIED IMMEDIATELY.

COPING LEVEL (FROM N.G.L.)

CORNER	HEIGHT (mm)
A	+150
B	+150
C	+150
D	+150

SITE CALCULATIONS

TOTAL SITE AREA	669.000m²
LANDSCAPING FOR PROPERTY	668.000m²
LANDSCAPING RATIOS	EXCEMPT
HARD SURFACE COVERAGE	
DWELLINGS	774.57m²
POOL	128.62m²
TOTAL HARD SURFACE	903.19m²
TOTAL PERCENTAGE OF HARD SURFACE COVERAGE	0.13%



SEDIMENT FENCE

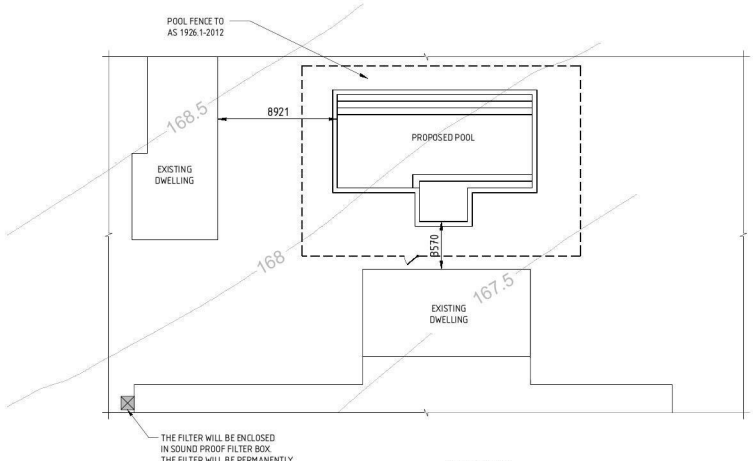
N.T.S

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 STABILIZED AS EARLY AS POSSIBLE DURING DEVELOPMENT.
3. SEDIMENT TRAPS SHALL BE CONSTRUCTED AROUND ALL INLET PITS, CONSISTING OF 300mm WIDE X 300mm DEEP TRENCH.
4. ALL SEDIMENT BASINS AND TRAPS SHALL BE CLEANED WHEN THE STRUCTURES ARE A MAXIMUM OF 60 % FULL OF SOIL MATERIALS, INCLUDING THE MAINTENANCE PERIOD.
5. ALL DISTURBED AREAS SHALL BE REVEGITATED AS SOON AS THE RELEVANT WORKS ARE COMPLETED.
6. SOIL AND TOPSOIL STOCKPILES SHALL BE LOCATED AWAY FROM DRAINAGE LINES AND AREA WHERE WATER MAY CONCENTRATE.
7. FILTER SHALL BE CONSTRUCTED BY STRETCHING A FILTER FABRIC (PROPEX OR APPROVED EQUIVALENT BETWEEN POST AT 3.0m CENTRES. FABRIC SHALL BE BURIED 150mm ALONG ITS LOWER EDGE.

PLEASE NOTE:

PRIOR TO EXCAVATION OF POOL, EXISTING HOUSE FOOTING DETAILS TO BE PROVIDED TO ENGINEER FOR POSSIBLE UNDERPINNING.

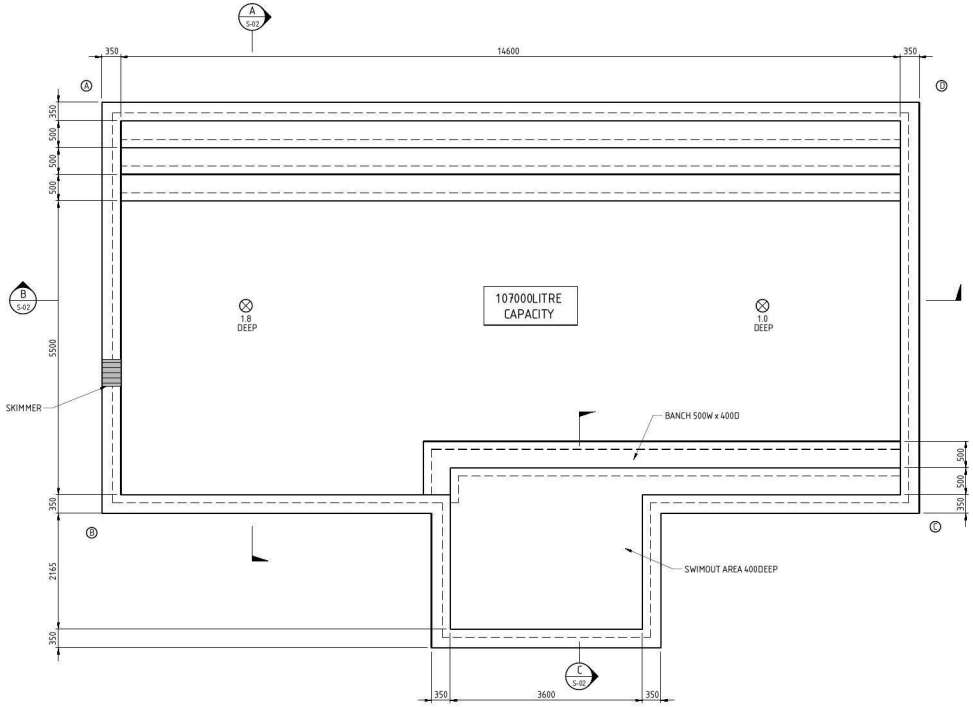


SITE PLAN

SCALE 1:200

BASIX CERTIFICATE AS PER A353828

FOR ENTIRE SITE PLAN REFER TO SHEET S-03



PROPOSED POOL

SCALE 1:50

REV	BY	DATE	ISSUE / REVISION DESCRIPTION	CHK	APP
0	DTTN	26/07/19	ISSUED FOR CONSTRUCTION	PP	RC
A	DC	19/08/2019	SITE PLAN ADDED ON SHEET S-02	DN	RC
B	APP	29/10/2019	SITE PLAN & PROPOSED POOL AMENDED	DN	RC
C	DC	07/11/2019	SITE PLAN AMENDED	DN	RC
D	DC	07/11/2019	SITE PLAN AMENDED	DN	RC

ISSUE / REVISIONS

REV	BY	DATE	ISSUE / REVISION DESCRIPTION	CHK	APP

ISSUE / REVISIONS

TITLE	NAME	DATE
DRAFTER	DTTN	26/07/19
DESIGNER	DTTN	26/07/19
ENG. CHECK	DN	26/07/19

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PROJECT: PROPOSED NEW POOL FOR MALIBU POOLS AND SPAS
88-89 NEPEAN GORGE DRIVE, MULGOA.

POOL NOTES, PLANS AND DETAILS

CLIENT REF. No. ——

SCALE: AS NOTED

STRUCTERRE JOB No. 3.19.26835.5

DRAWING REF. No. D3.19.26835.5-S-01 REV D

SHEET SIZE: A1

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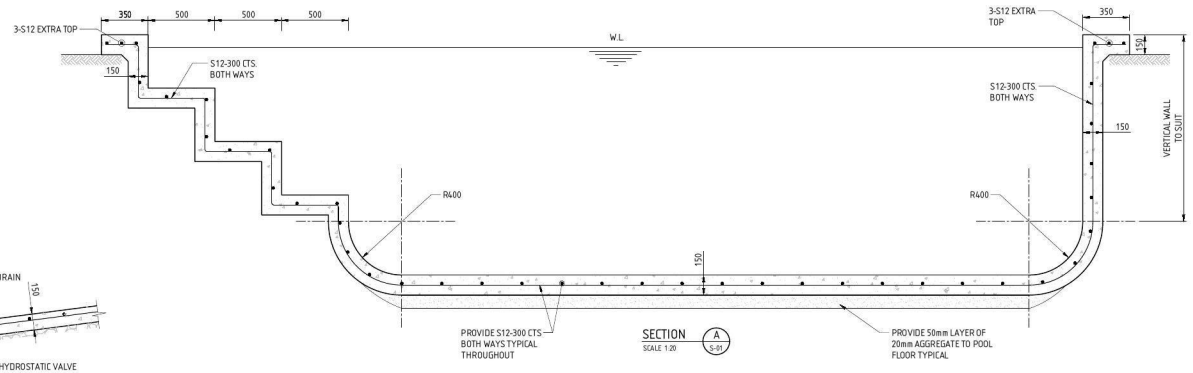
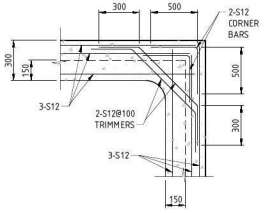
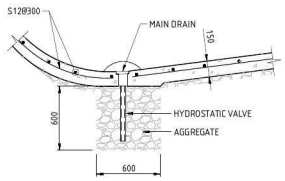


SECTION A S-01
SCALE 1:20



BOND BEAM CORNER DETAIL



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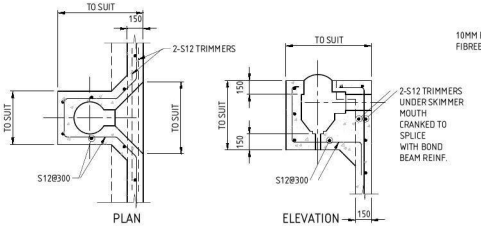

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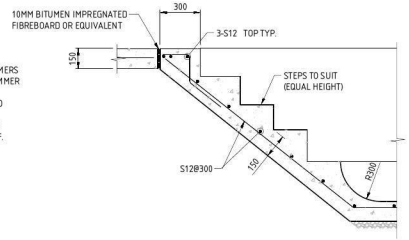

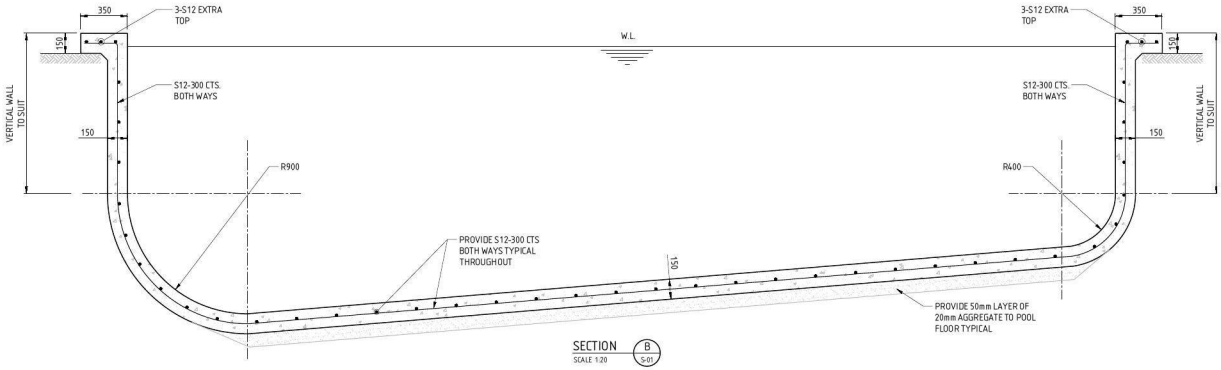

SECTION B S-01
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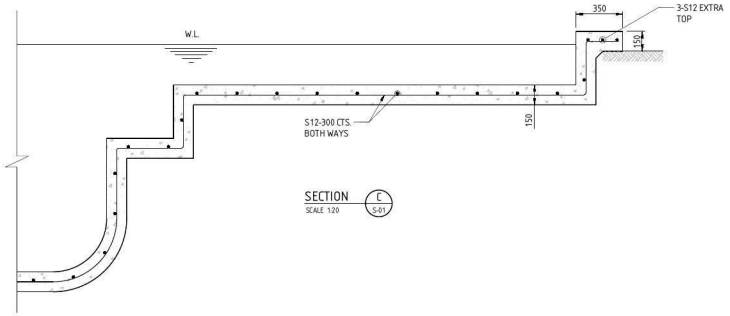

SECTION C S-01
SCALE 1:20

DRAWING-STATUS

ISSUE / REVISIONS	REV	BY	DATE	ISSUE / REVISION DESCRIPTION	CHK	APP
	B	APP	29/10/2019	ISSUED FOR CONSTRUCTION	PP	RC

ISSUE / REVISIONS	REV	BY	DATE	ISSUE / REVISION DESCRIPTION	CHK	APP

TITLE	NAME	DATE
DRAFTER	OTTN	26/07/19
DESIGNER	OTTN	26/07/19
ENG. CHECK	ON	26/07/19

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PROJECT: PROPOSED NEW POOL FOR MALIBU POOLS AND SPAS
88-89 NEPEAN GORGE DRIVE, MULGOA.

POOL SECTIONS AND DETAILS

CLIENT REF. No.: —
SCALE: AS NOTED
STRUCTERRE JOB No.: 3.19.26835.5
DRAWING REF. No.: D3.19.26835.5-S-01
REV: D
SHEET SIZE: A1

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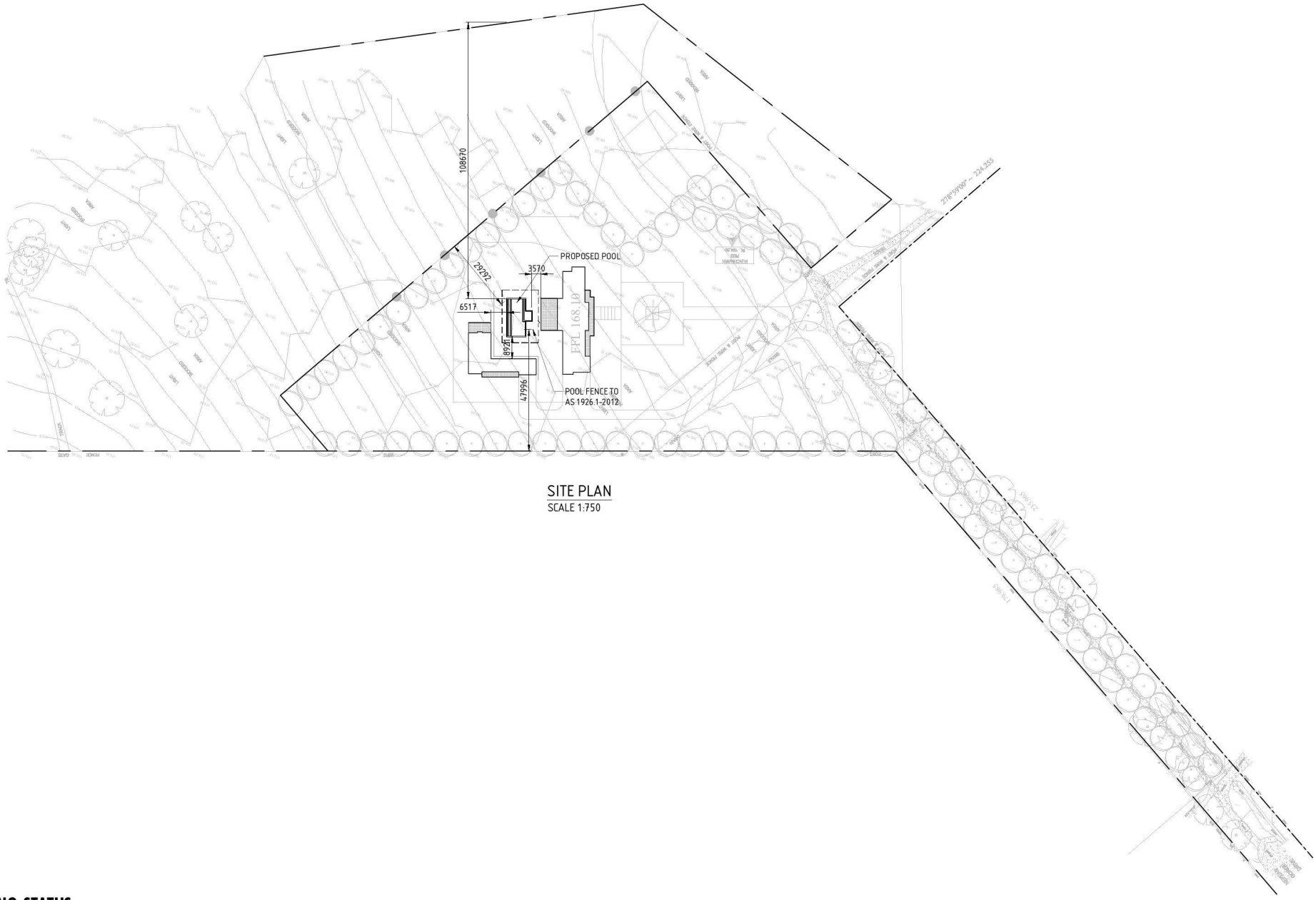

SITE PLAN
SCALE 1:750

DRAWING-STATUS

REV	BY	DATE	ISSUE / REVISION DESCRIPTION	CHK	APP
A	DC	19/08/2019	ISSUED FOR CONSTRUCTION	DN	RC
B	APP	29/10/2019	SITE PLAN AMENDED	DN	RC

TITLE	NAME	DATE
DRAFTER	DTTN	26/07/19
DESIGNER	DTTN	26/07/19
ENG. CHECK	DN	26/07/19

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PROJECT
PROPOSED NEW POOL FOR MALIBU POOLS AND SPAS
88-89 NEPEAN GORGE DRIVE, MULGOA.

SITE PLAN

CLIENT REF. No. —
SCALE AS NOTED
STRUCTERRE JOB No. 3.19.26835.5
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