

ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS2783 - 1992.

THE SETTING OUT DIMENSIONS SHALL BE CHECKED ON SITE PRIOR TO COMMENCING EXCAVATION

ANY UNFORSEEN VARIATIONS TO THE ASSUMED SITE CONDITIONS SHALL BE REFERRED TO THE ENGINEER PRIOR TO PROCEEDING. 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

G6 G7 THE DETAILS PRESENTED ON THE FOLLOWING SHEETS COMPLY WITH THE REQUIREMENTS OF AS2783-1992

CONCRETE

ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH AS3600.

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.

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.

S NOTATION TO REINFORCEMENT DENOTES GRADE 230 DEFORMED BAR.

UNLESS OTHERWISE NOTED, ALL REINFORCEMENT LAPS SHALL BE A MINIMUM OF 500mm

C10 PLAN. PROVIDE 10mm CONTROL JOINTS IN THE WALKWAY FINISH AT MAXIMUM 4000 CENTRES AND AT POINTS OF RE-ENTRANT CORNERS IN

Ctt PROVIDE 10mm CONTROL JOINTS BETWEEN THE PERIMETER EDGE OF THE POOL AND ALL ABUTTING CONCRETE OR MASONRY FINISHES. FOUNDATION

THE DESIGN OF THE POOL HAS REEN BASED ON BEING SUPPORTED BY LINIFORN NATURAL GROWN WITH A MINIMUM SAFE REARING 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", 'F' OR 'P' 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 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: Keighran and Associates Ptv Ltd 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 Licence Number - 237620C ABN 78 133 909 369 Consulting Structural and Civil Engineers

BE (Hons), MEngSci, FIEAust, WEng Registered NPER 3719 (Structural & Civil)



FOR: J. WOODS

AT: LOT 4 DP 226681 5 KUNARI PLACE MONA VALE 2103 DATUM - EXISTING GROUND LEVEL. (RL 1.6) TOP OF POOL TO BE 100mm ABOVE DATUM. DESIGNATED AREA FOR WASTE AND

DP 226681

AREA - 698.3m

A7.96m

MATERIAL STOCKPILE EXCESS WASTE TO BE REMOVED FROM SITE

DENOTES SOFT LANDSCAPING (GREATER THAN 15m WIDE)

CARTRIDGE FILTER & PUMP

INSIDE SOUNDPROOF

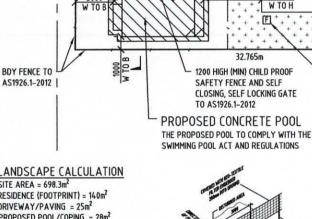
ENCLOSURE (BY OWNER)

DENOTES SOFT LANDSCAPING (LESS THAN 1.5m WIDE)

DENOTES HARDSTAND AREAS

PROPOSED SWIMMING POOL STRUCTURAL DETAILS

S	REV	DATE	DESCRIPTION	BY	20S4548	
	Α	25.09.20	INITIAL ISSUE	TMJ		
	В	12.10.20	SECTION ADDED			
	С	16.10.20	MINOR RELOCATION		SHEET	REV
					10F4	C



APPROX LOCATION OF

32.165m

EXISTING RESIDENCE

FOOTPRINT - 140m2

No 5

SEDIMENT CONTROL FENCE REFER DETAIL

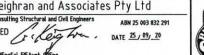
LANDSCAPE CALCULATION

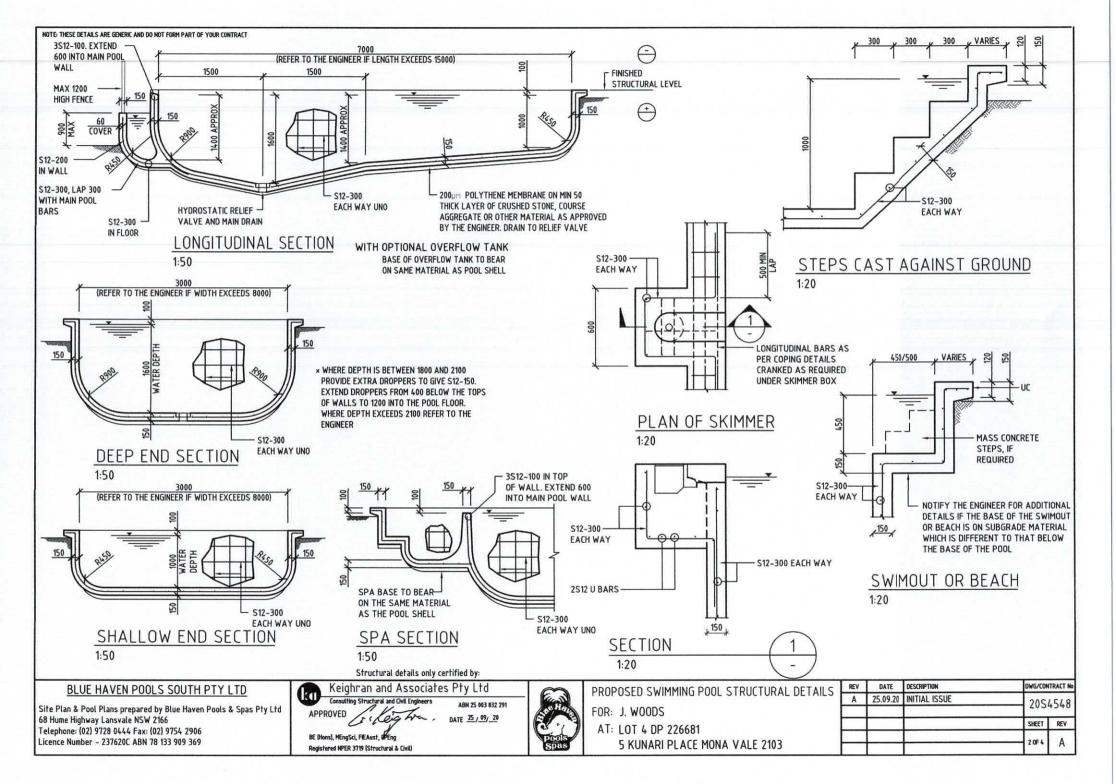
SITE AREA = 698.3m2 RESIDENCE (FOOTPRINT) = 140m2 DRIVEWAY/PAVING = 25m2 PROPOSED POOL/COPING = 28m2 TOTAL B.U.A. = 193m2 = 28% LANDSCAPED AREA GREATER THAN 1.5m WIDE $= 440 \text{m}^2 = 63\%$ OF WHICH 260m2 (37% OVERALL) IS BEHIND SETBACK

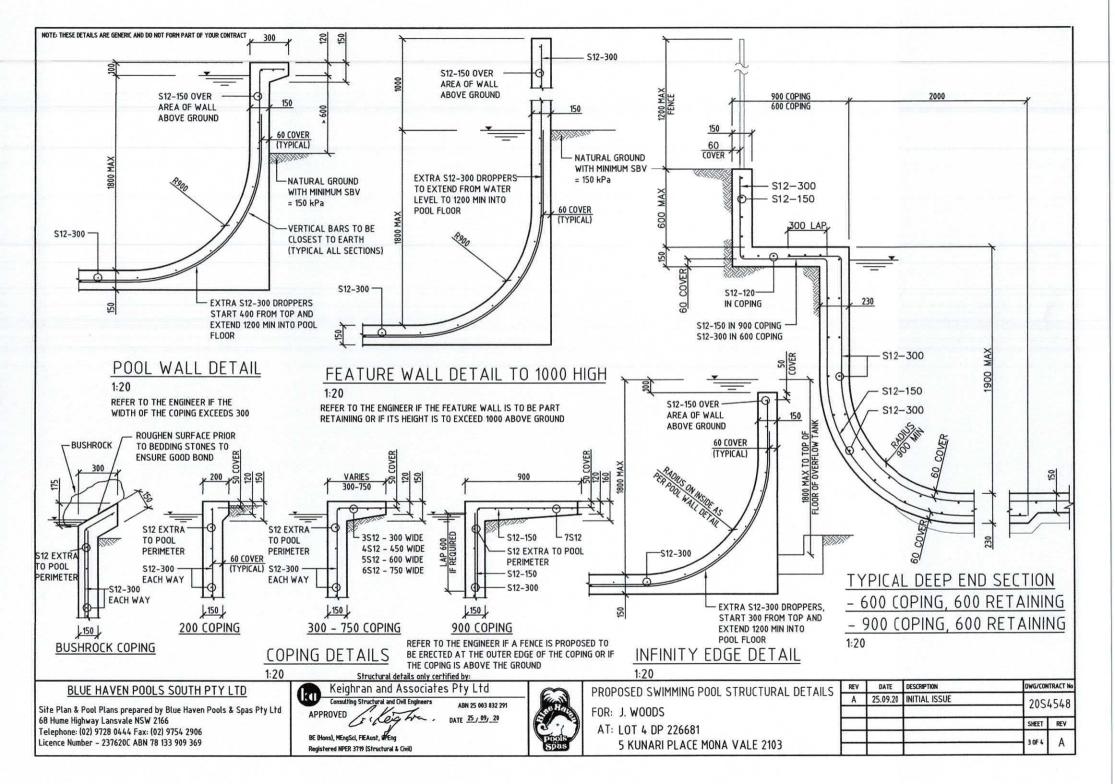
TOTAL AREA FORWARD OF THE BUILDING LINE

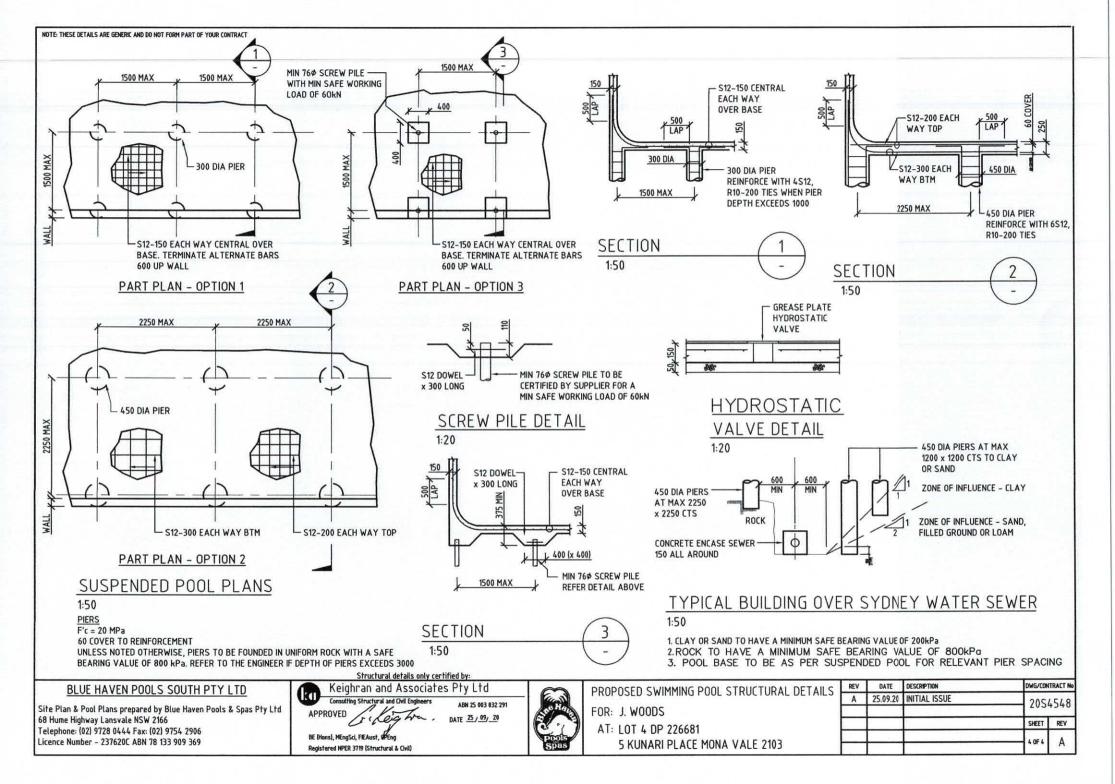
IS 200m2 OF WHICH 180m2 (90%) IS LANDSCAPED

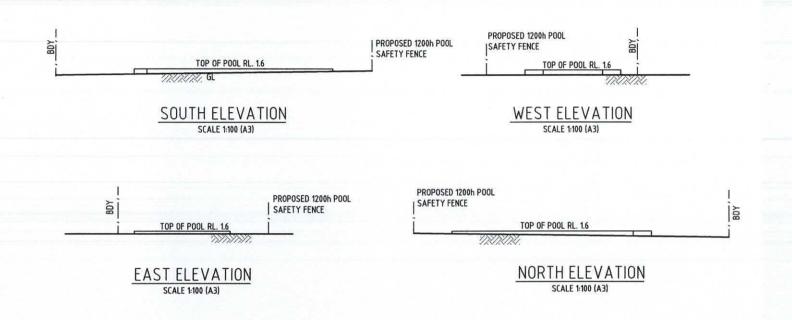
APPROX LENGTH OF FENCE = 20m

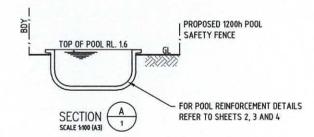












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Consulting Structural and Civil Engineers

APPROVED

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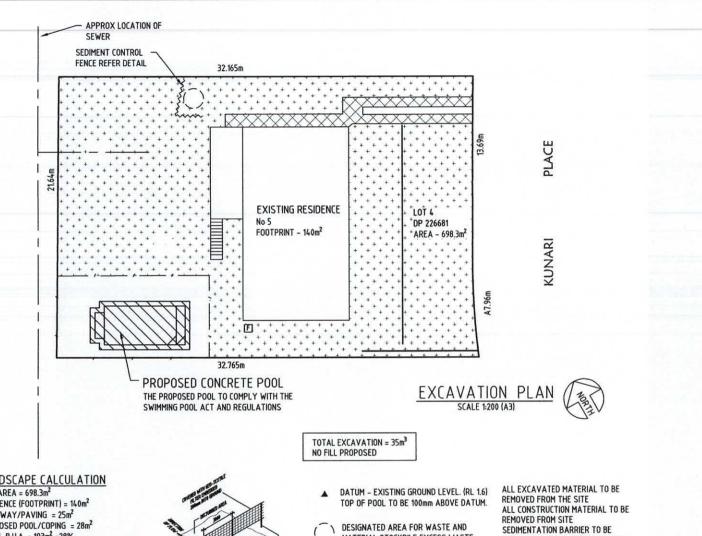
PROPOSED SWIMMING POOL STRUCTURAL DETAILS

FOR: J. WOODS

AT: LOT 4 DP 226681

5 KUNARI PLACE MONA VALE 2103

	REV	DATE	DESCRIPTION	BY	DWG/CONTRACT No 20S4548	
	Α	12.10.20	INITIAL ISSUE	TMJ		
	В	16.10.20	MINOR RELOCATION			
1					SHEET	REV
						В
					' 1	D



LANDSCAPE CALCULATION

APPROX LENGTH OF FENCE = 20m

SITE AREA = 698.3m2 RESIDENCE (FOOTPRINT) = 140m2 DRIVEWAY/PAVING = 25m² PROPOSED POOL/COPING = 28m² TOTAL B.U.A. = 193m² =28% LANDSCAPED AREA GREATER THAN 1.5m WIDE $= 440 \text{m}^2 = 63\%$ OF WHICH 260m2 (37% OVERALL) IS BEHIND TOTAL AREA FORWARD OF THE BUILDING LINE

IS 200m2 OF WHICH 180m2 (90%) IS LANDSCAPED

Registered NPER 3719 (Structural & Civil)

MATERIAL STOCKPILE EXCESS WASTE TO BE REMOVED FROM SITE

DENOTES SOFT LANDSCAPING (GREATER THAN 1.5m WIDE)

DENOTES SOFT LANDSCAPING (LESS THAN 1.5m WIDE)

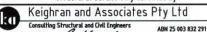
DENOTES HARDSTAND AREAS

ERECTED TO PREVENT RUNOFF INTO ADJOINING NEIGHBORING PROPERTIES SANDBAGS TO BE USED TO PREVENT **RUN OFF INTO STORMWATER SYSTEM**

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DATE 25 / 09/ 20 BE (Hons), MEngSci, FIEAust, WEng

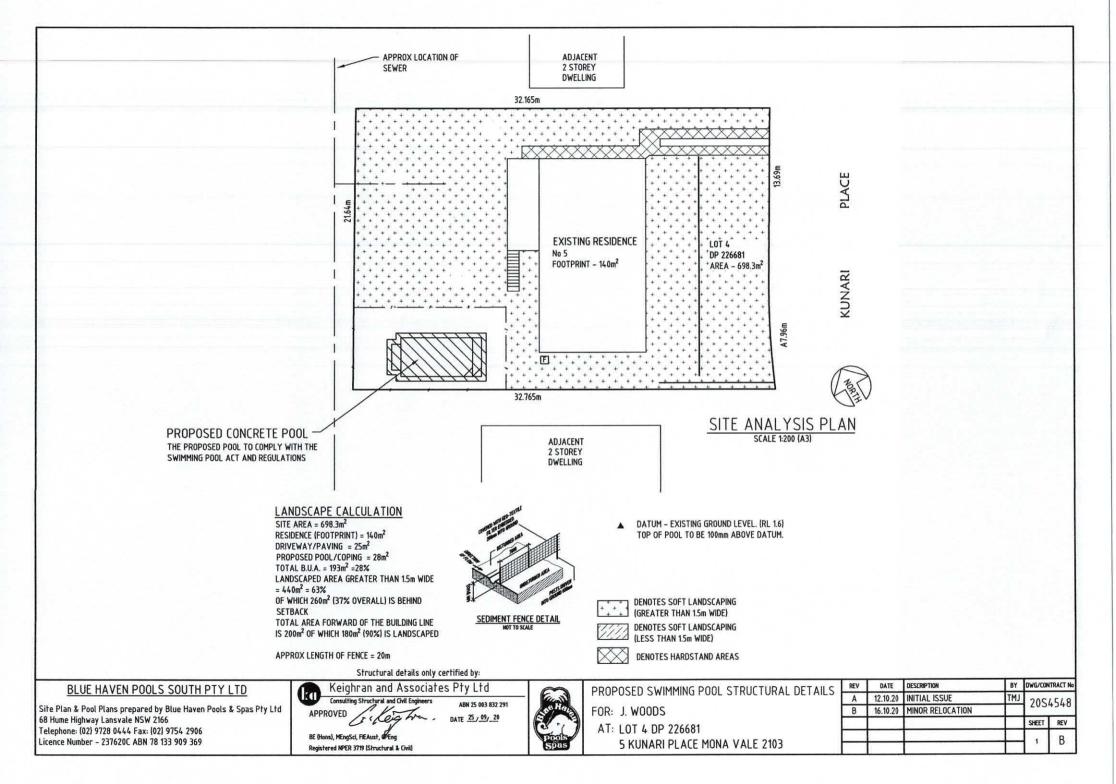


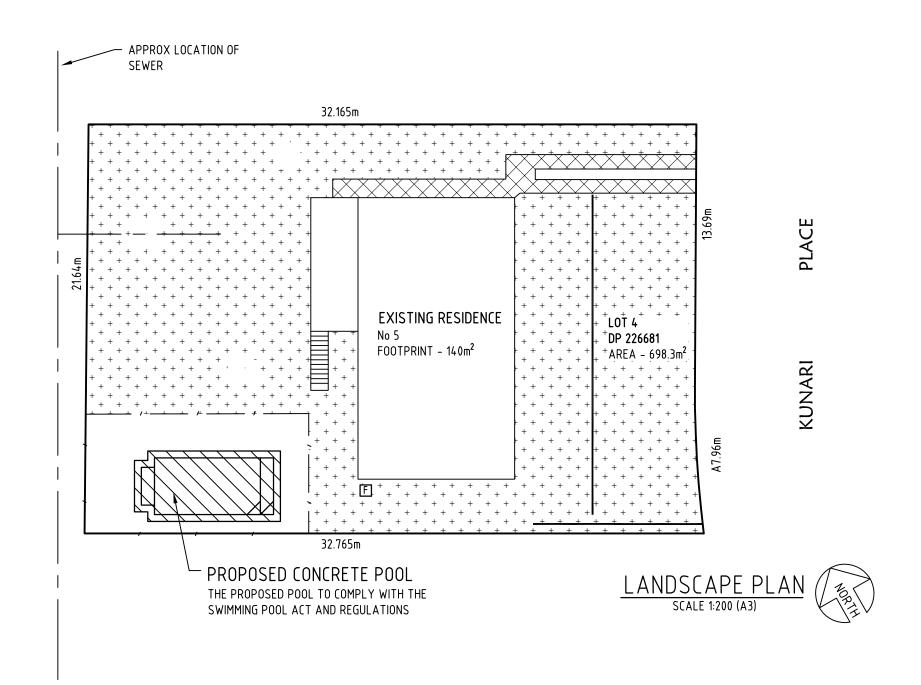
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LANDSCAPE CALCULATION

SITE AREA = 698.3m²
RESIDENCE (FOOTPRINT) = 140m²
DRIVEWAY/PAVING = 25m²
PROPOSED POOL/COPING = 28m²
TOTAL B.U.A. = 193m² = 28%
LANDSCAPED AREA GREATER THAN 1.5m WIDE = 440m² = 63%
OF WHICH 260m² (37% OVERALL) IS BEHIND
SETBACK
TOTAL AREA FORWARD OF THE BUILDING LINE
IS 200m² OF WHICH 180m² (90%) IS LANDSCAPED

DATUM - EXISTING GROUND LEVEL. (RL 1.6)
TOP OF POOL TO BE 100mm ABOVE DATUM.

DENOTES SOFT LANDSCAPING + + + (GREATER THAN 1.5m WIDE)

DENOTES SOFT LANDSCAPING (LESS THAN 1.5m WIDE)

DENOTES HARDSTAND AREAS

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Keighran and Associates Pty Ltd

ABN 25 003 832 291

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PROPOSED SWIMMING POOL STRUCTURAL DETAILS

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