

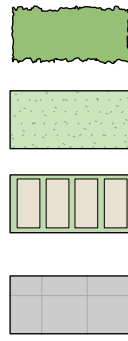
LEGEND

EXISTING GARDEN AREAS

EXISTING LAWN AREAS

PROPOSED LARGE STEPPERS THROUGH PLANTING

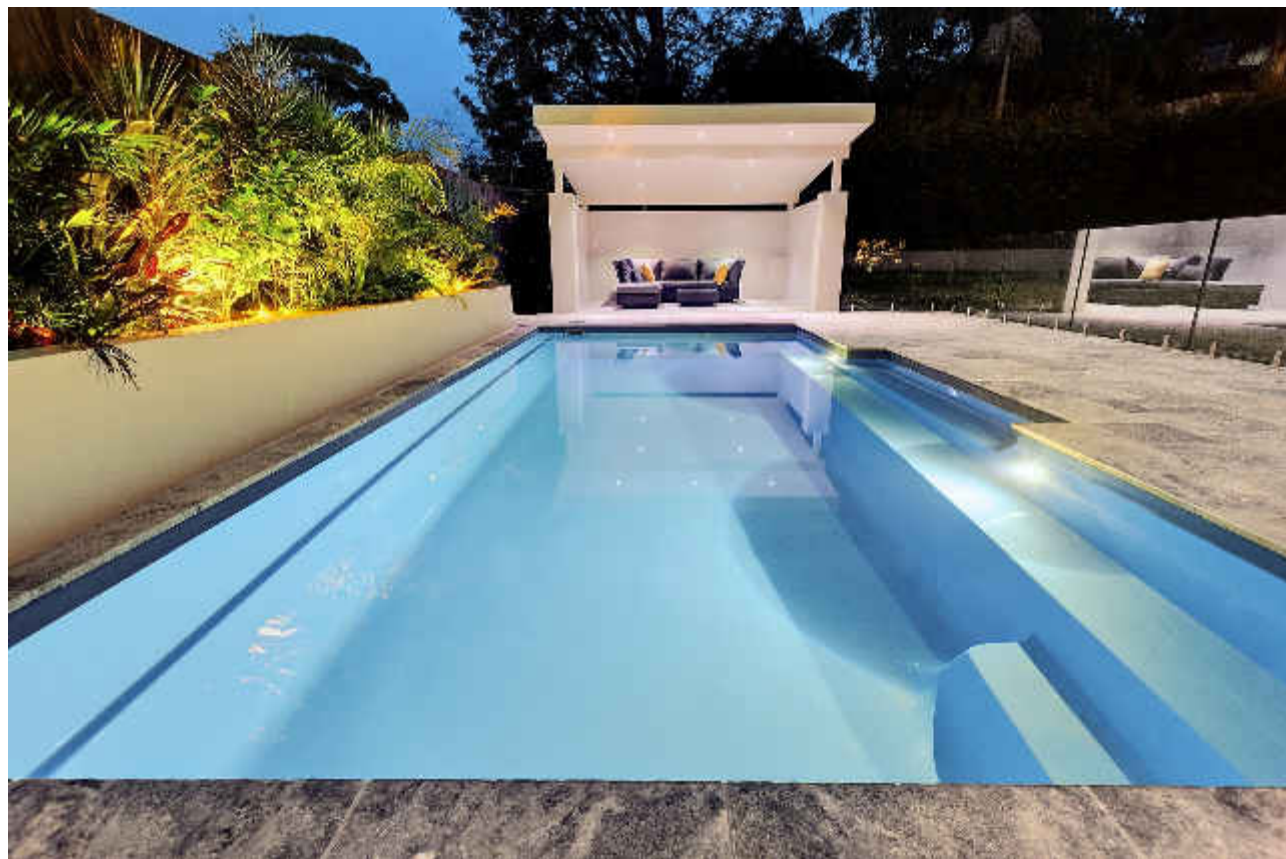
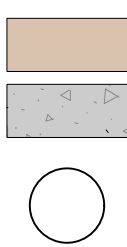
PAVED AREA



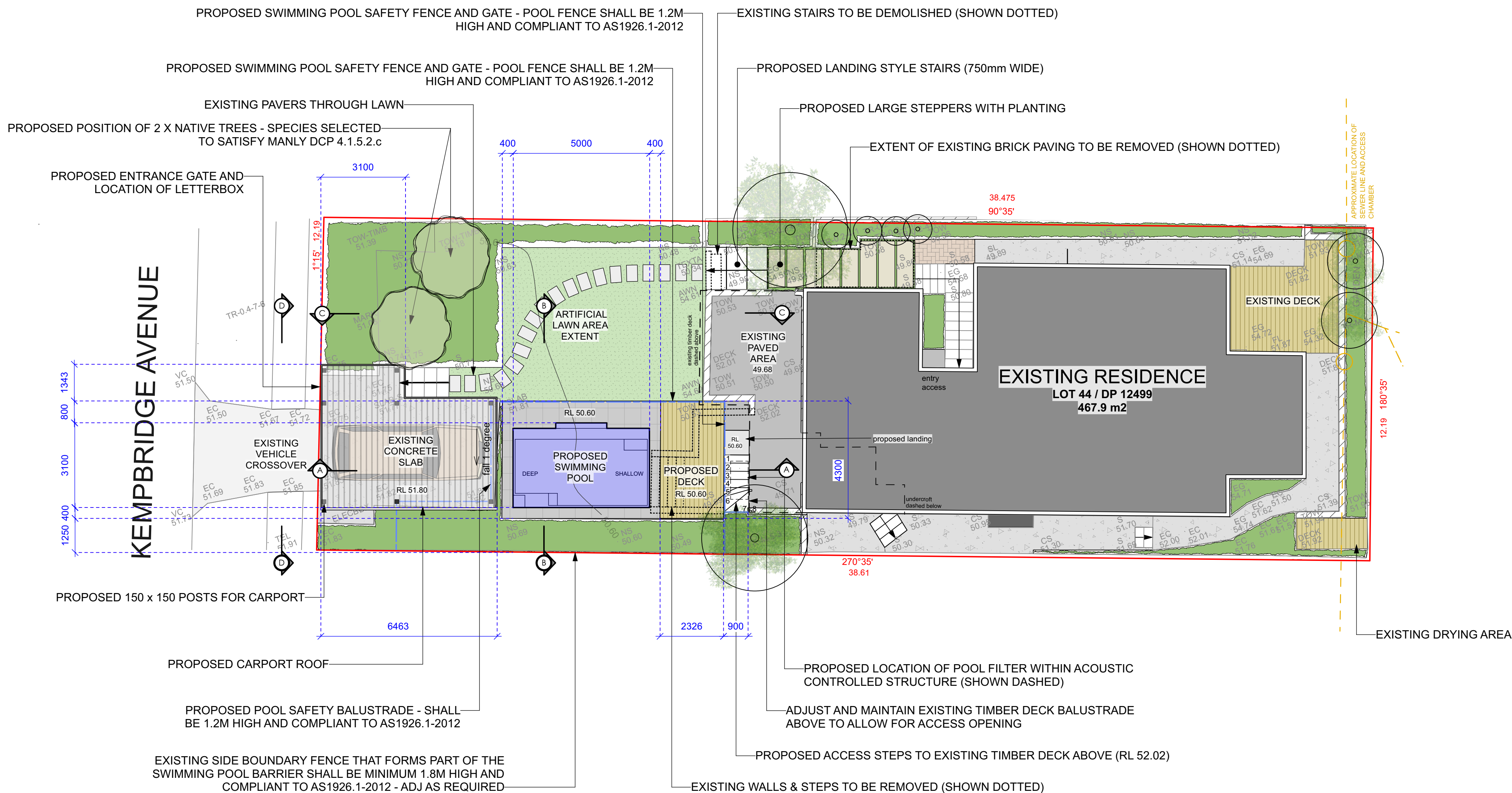
EXISTING BRICK FINISH

EXISTING CONCRETE FINISH

TREES TO BE RETAINED
**Refer Arborist Report



Proposed Swimming Pool - Fibreglass SYMPHONY 5



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DA2021/1459

CONTOUR
LANDSCAPE ARCHITECTURE

PO Box 698 MONA VALE NSW 1660
Tel: 0434 500 705 - AIDLM

CLIENT
Madeleine & Stephen Maher
36 Kempbridge Avenue,
Seaforth NSW 2092

NOTES

comply with building code of australia and all relevant australian standards
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all levels to ahd
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DATE REV. ISSUE

09/07/21 A
15/07/21 B
26/07/21 C
08/10/21 D

DATE: 08/10/21

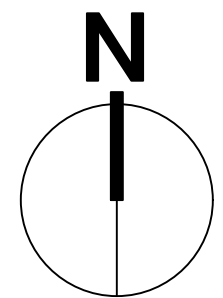
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1:200 @ A3

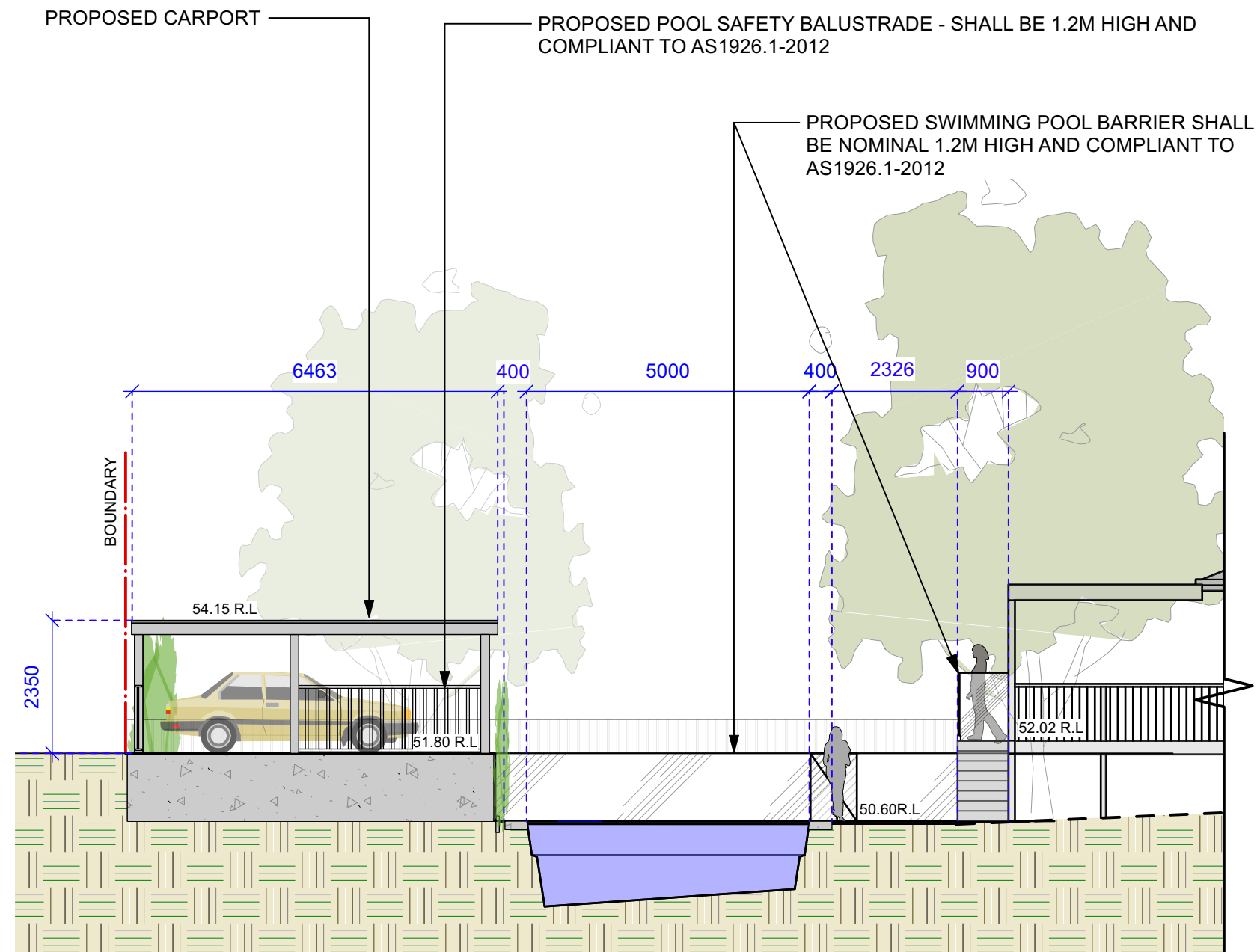
DRAWN: SEC

DRAWING
SITE PLAN

DRAWING NO:
C1

REV:
D





SECTION AA



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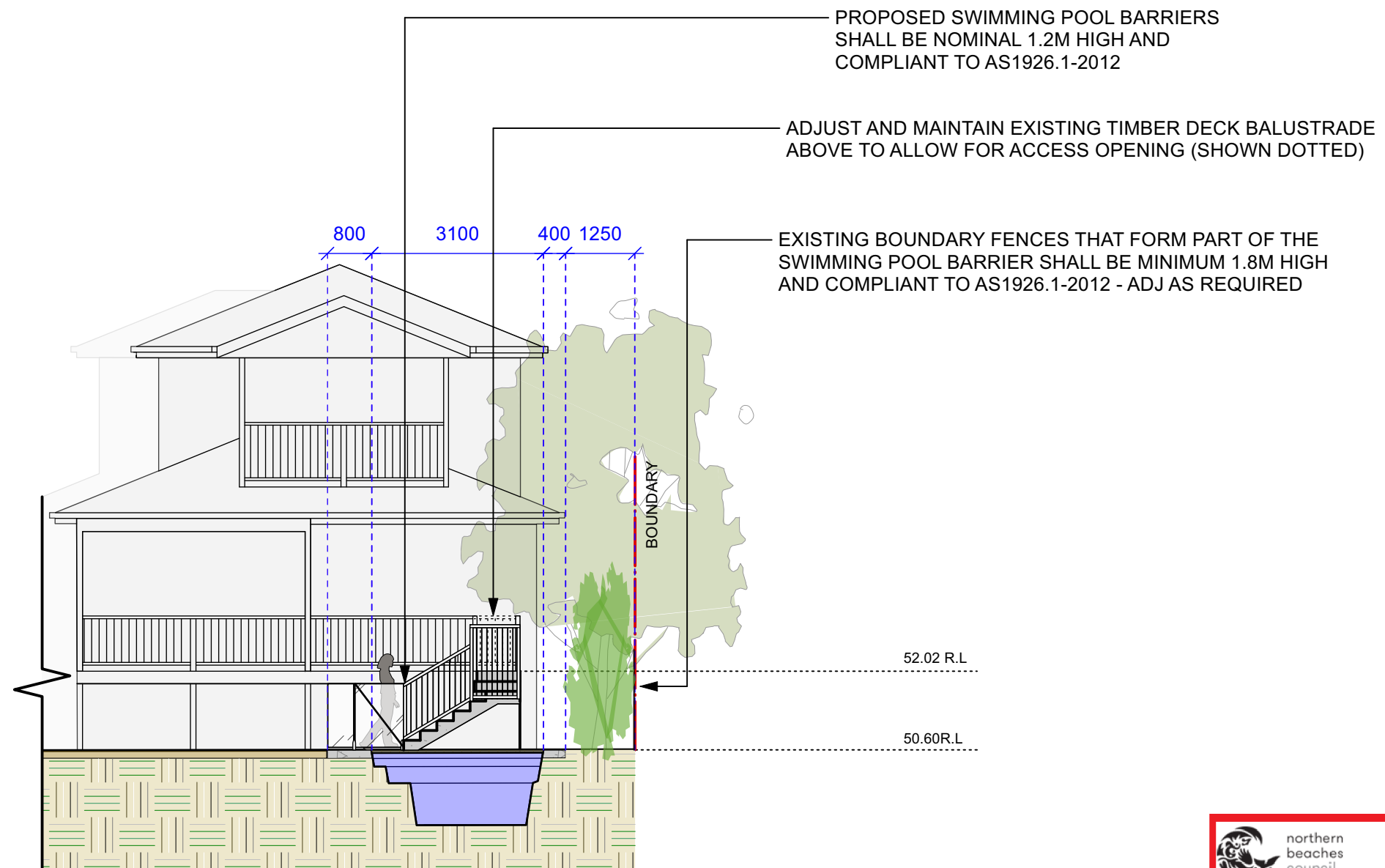
SCALE: 1:100 @ A3

DRAWN: SEC

DRAWING
SECTION AA

DRAWING NO:
C2

REV:
D



SECTION BB



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LANDSCAPE ARCHITECTURE

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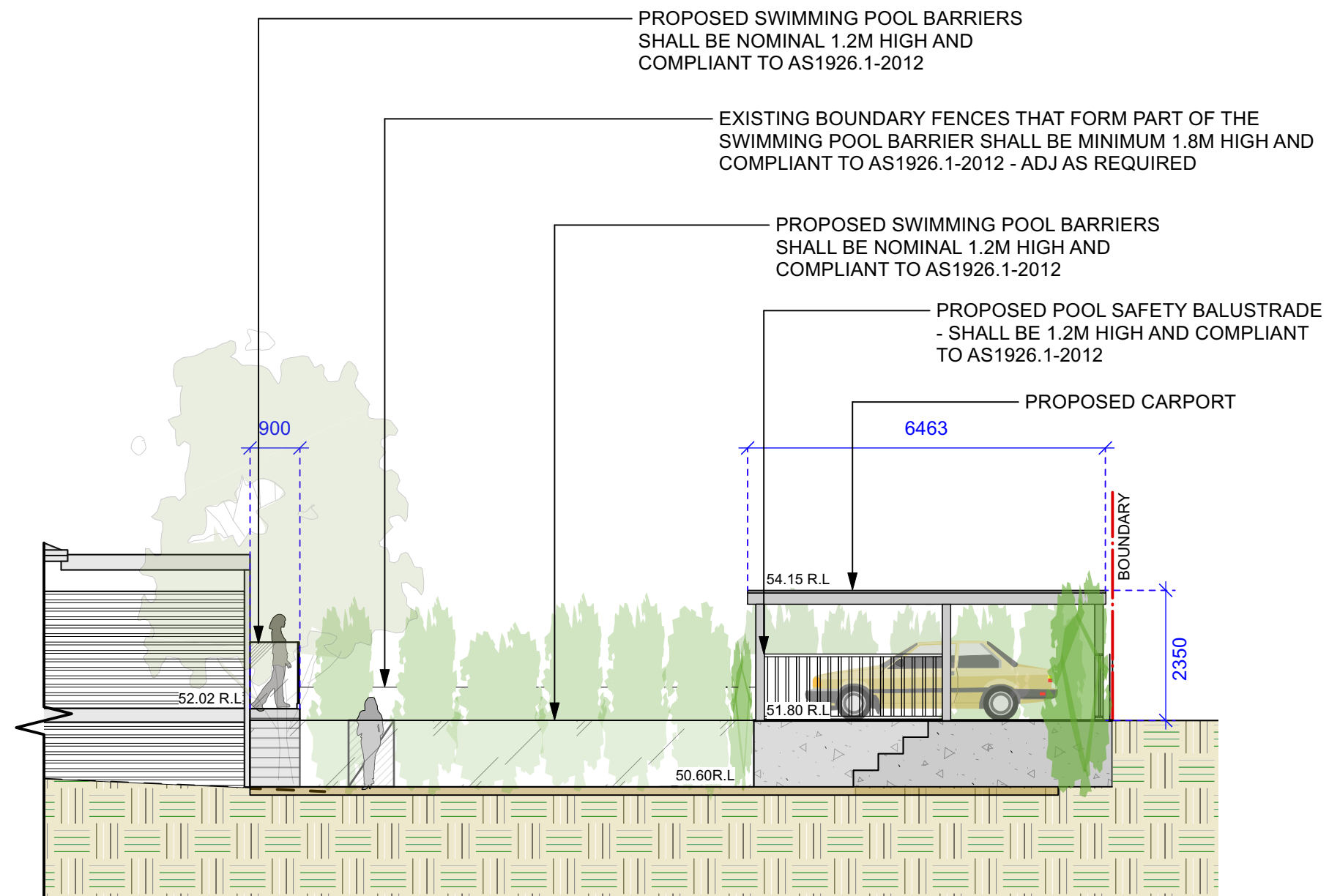
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DRAWN: SEC

DRAWING
SECTION BB

DRAWING NO:
C3

REV:
D



SECTION CC



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SCALE: 1:100 @ A3

DRAWN: SEC

DRAWING
SECTION CC

DRAWING NO:
C4

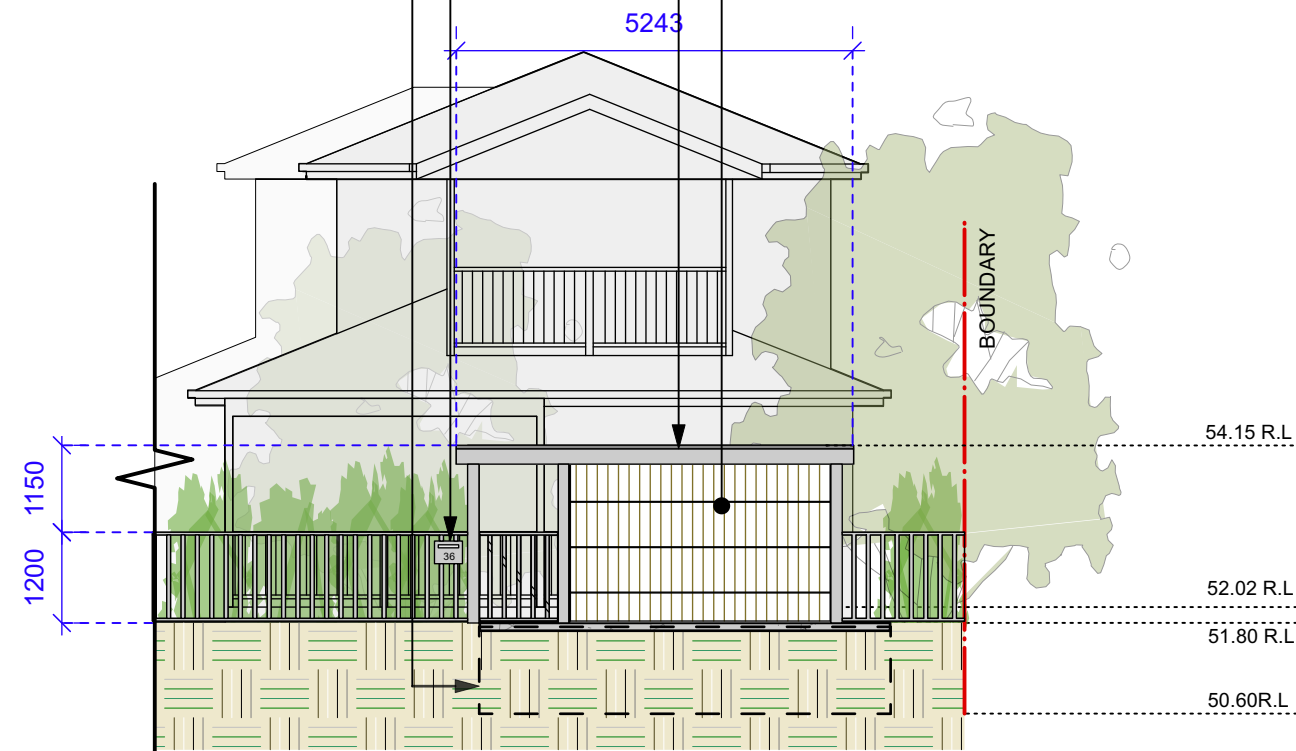
REV:
D

PROPOSED CARPORT

PROPOSED FRONT FENCE AND LETTERBOX LOCATION

EXTENT OF EXISTING CONCRETE SLAB (SHOWN DASHED)

PROPOSED PANEL LIFT DOOR



SECTION DD

 northern
beaches
council

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DA2021/1459

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LANDSCAPE ARCHITECTURE

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PROJECT

Madeleine & Stephen Maher

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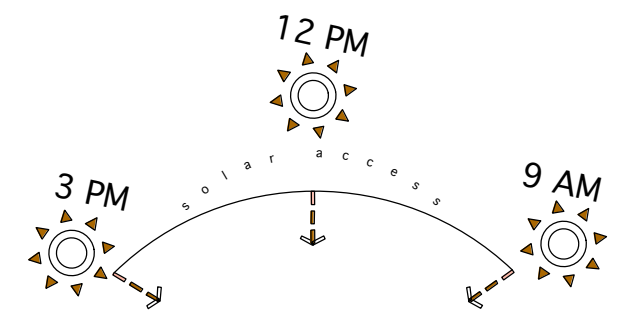
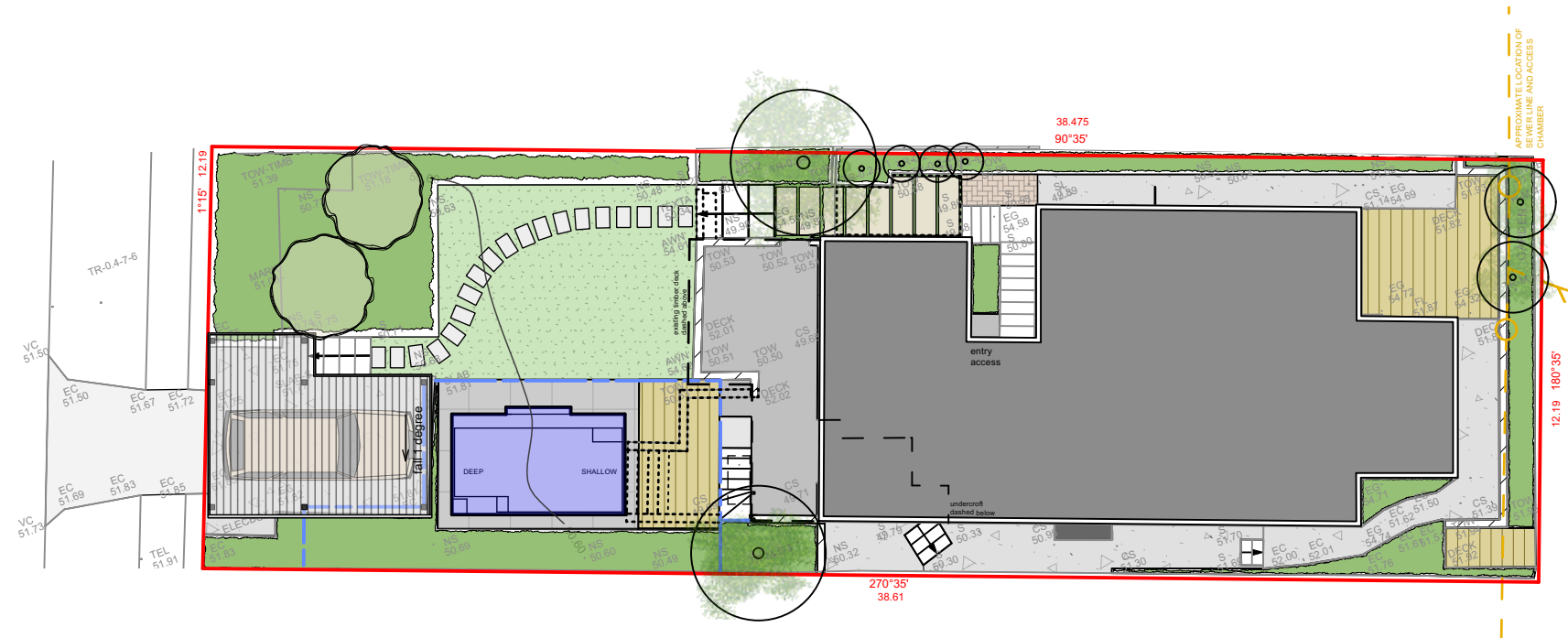
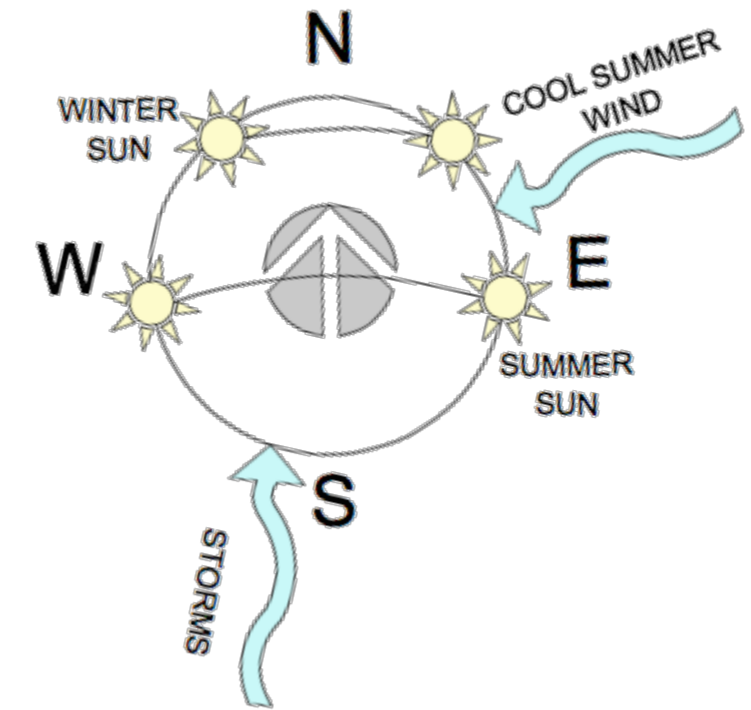
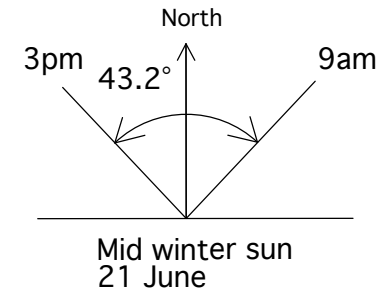
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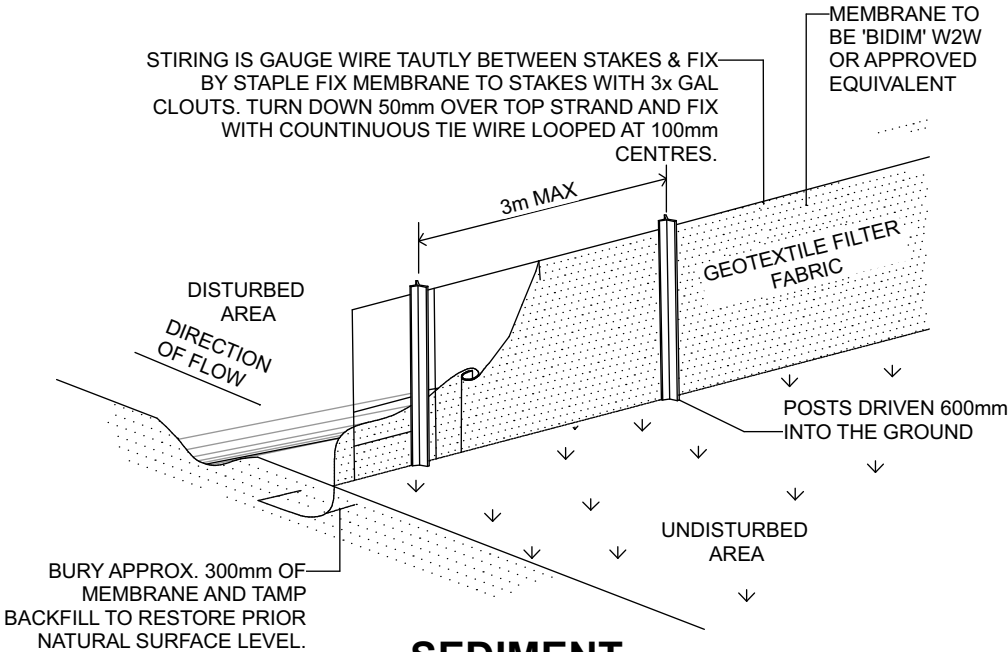
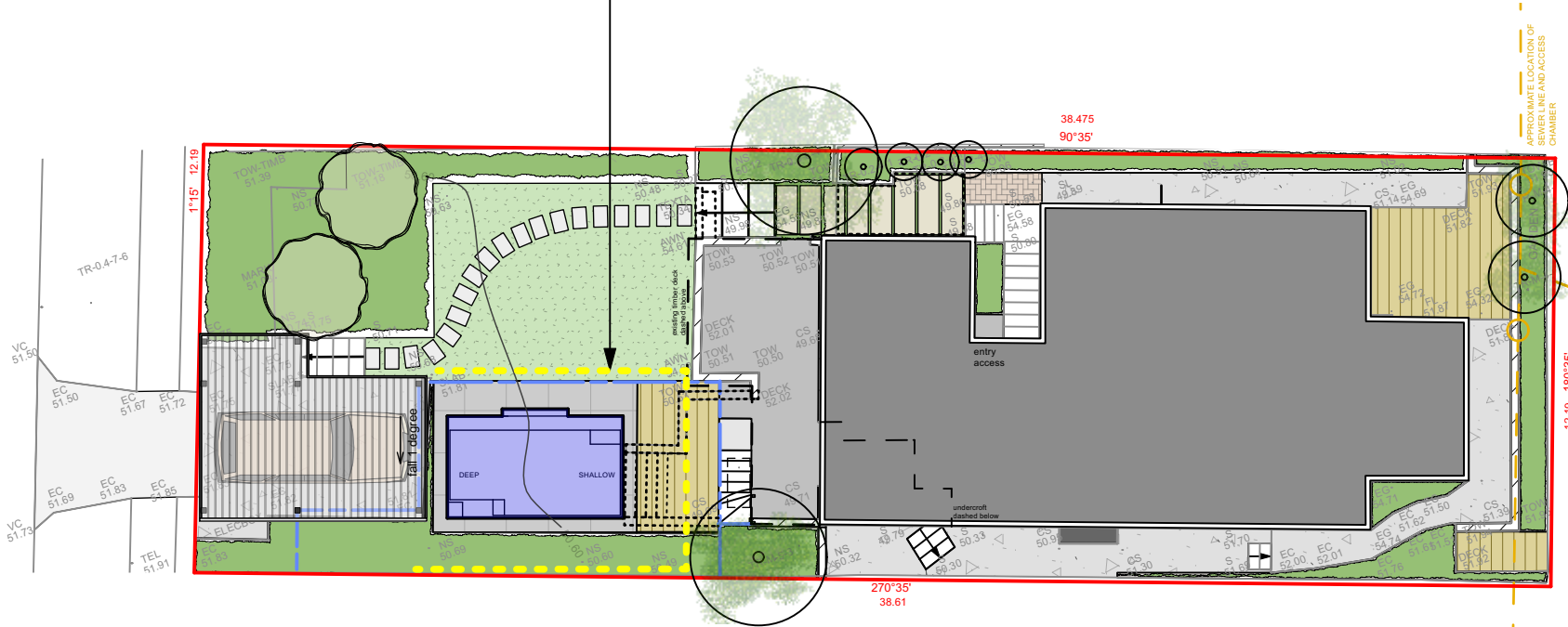
DATE:	08/10/21	DRAWING
		SECTION DD
SCALE:	1:100 @ A3	DRAWING NO:
		C5
DRAWN:	SEC	REV:
		D

A diagram of a stylized sun. It features a central circle with a smaller concentric circle inside it. Surrounding the central circle are ten triangular rays, each pointing outwards. The rays are arranged in a circular pattern around the center.



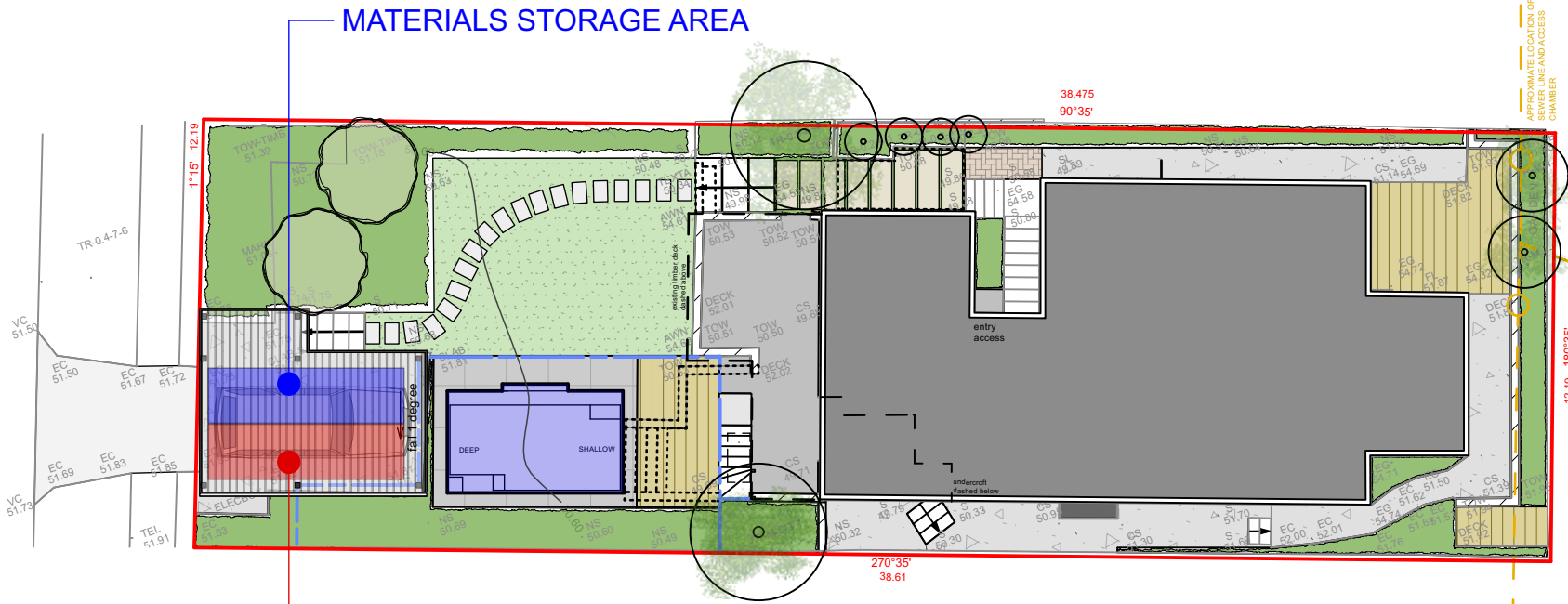
DA2021/1459

APPROX. EXTENT OF
SEDIMENT CONTROL FENCE



SEDIMENT CONTROL FENCE

MATERIALS STORAGE AREA



WASTE STORAGE AREA

1. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH:
 - A. LOCAL AUTHORITY REQUIREMENTS
 - B. EPA REQUIREMENTS
 - C. NSW DEPARTMENT OF HOUSING MANUAL
2. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
3. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SILT FENCES ARE ERECTED AROUND PITS.
4. CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENTATION CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND/OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.
5. CLEAN BEHIND FENCE EACH MAJOR STORM OR OTHERWISE AS DIRECTED AND REMOVE ALL SILT FROM THE SITE.
6. 'BIDIM' W2W IS SUPPLIED BY GEOFABRICS AUST. P/L

CONTOUR
LANDSCAPE ARCHITECTURE

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DATE: 08/10/21

SCALE: As stated
@ A3

DRAWN: SEC



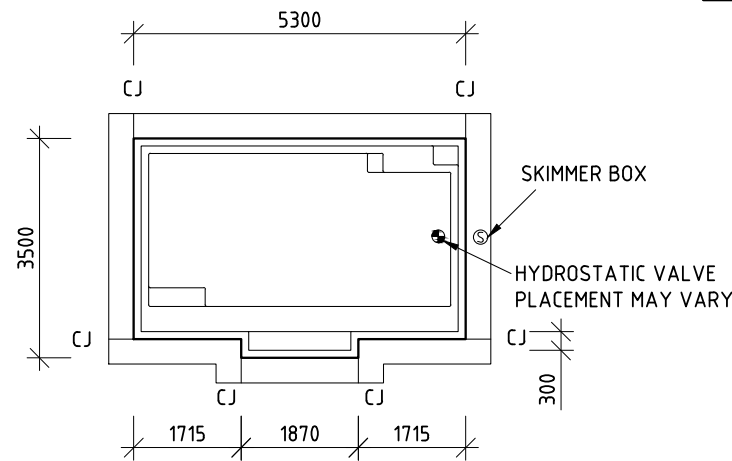
THIS PLAN IS TO BE READ IN
CONJUNCTION WITH
THE CONDITIONS OF DEVELOPMENT
CONSENT
SEDIMENT CONTROL PLAN
& WASTE MANAGEMENT PLAN
DA2021/1459

DRAWING NO:
C7

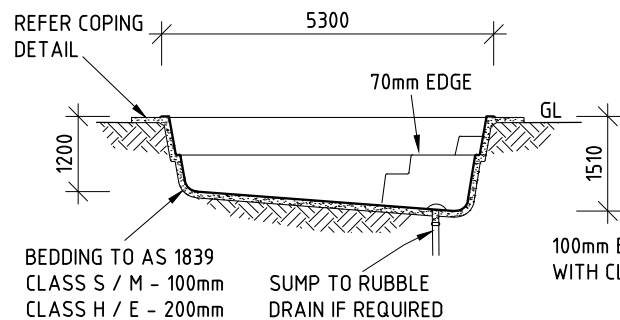
REV:
D



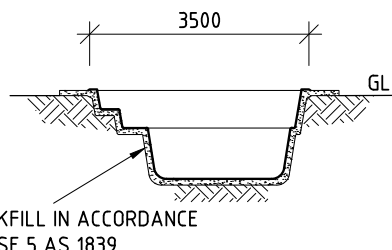
SYMPHONY 5.3



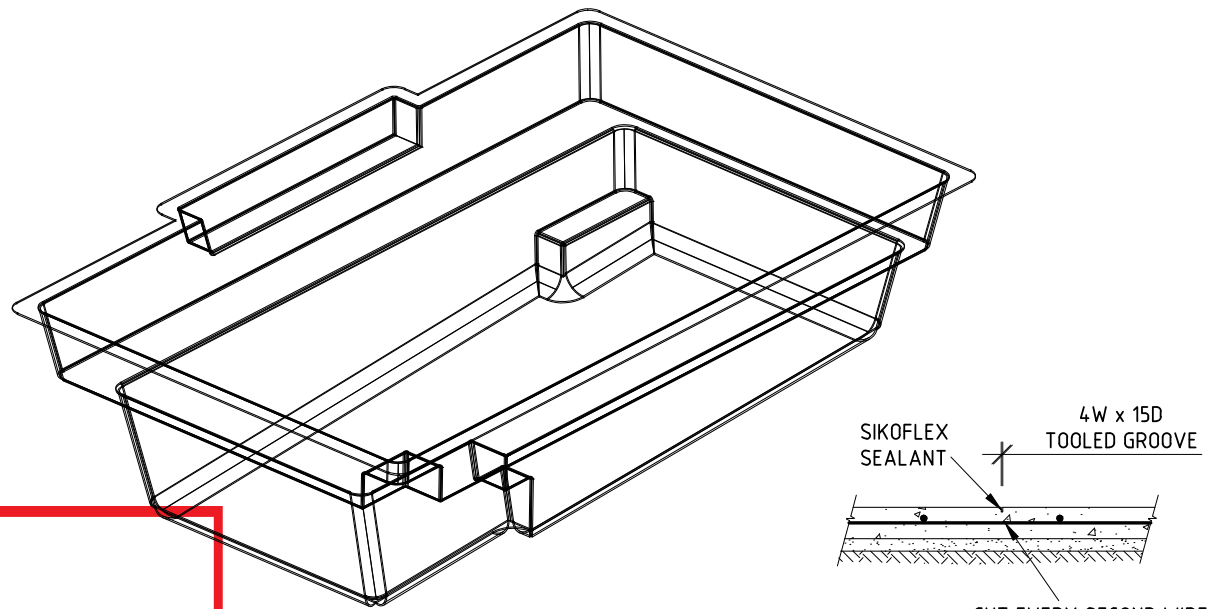
POOL PLAN
1:100



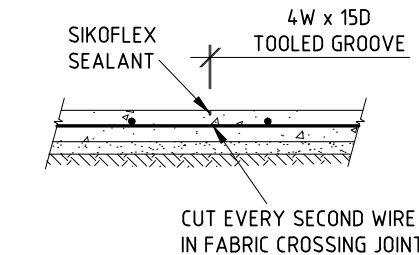
POOL LONG SECTION
1:100



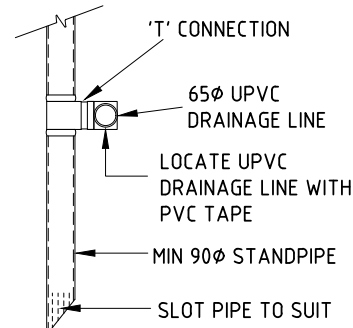
CROSS SECTION
1:100



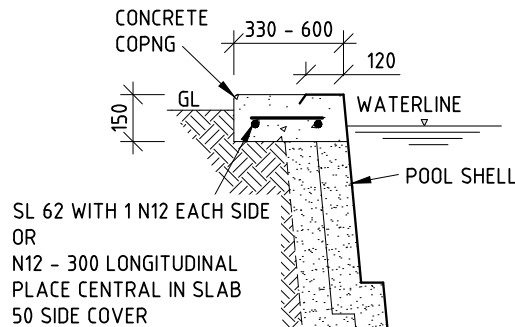
SYMPHONY 5.3



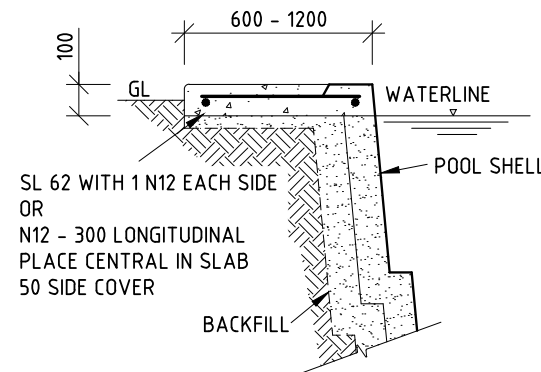
CONTROL JOINT CJ
1:20



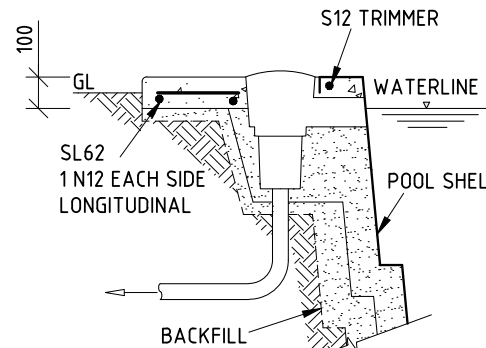
STANDPIPE DETAIL
1:20



COPING DETAIL
1:20



EXTENDED COPING DETAIL
1:20



SKIMMER DETAIL
1:20

- CONSTRUCTION AND INSTALLATION OF THE POOL IS TO COMPLY WITH AS/NZS 1838 & 1839 CODES FOR PRE-MOULDED POOLS AND THE REQUIREMENTS OF ALL RELEVANT STATUTORY AUTHORITIES.
- THE REQUIRED FOUNDATION SAFE BEARING PRESSURE TO BE AT LEAST 90kPa: 'A'-E' SITES REACTIVITY RANGE PER AS 2870.
- PROVIDE A NOMINAL 100 THICK (200 THICK H & E SITES) BEDDING LAYER OF NON-COHESIVE PERMEABLE MATERIAL MAXIMUM SIZE 8mm. THE GRANULAR BASE SHALL BE SCREEDED AND THOROUGHLY COMPACTED TO PROVIDE UNIFORM SUPPORT FOR THE SHELL BASE.
- PLACE A GRAVEL PIT IN THE SUB-FLOOR SECTION BENEATH THE HYDROSTATIC VALVE.
- PROVIDE A MIN 90Ø UPVC STANDPIPE (WITH A TEE CONNECTION TO THE 65Ø UPVC. PROVIDE A SUBSOIL PERIMETER DRAIN).
- WHEN HANDLING THE POOL, PLACING IN THE EXCAVATION AND LEVELLING UP, LIFT AND HANDLE POOL WITH A CENTRE SPREADER BAR.
- PROVIDE A 100mm THICK (200mm THICK H & E SITES) APPROVED BACKFILL LAYER OF NON-COHESIVE GRADED MATERIAL OF MAX. SIZE 12mm, PRE-BLENDED WITH CEMENT.
- THE CONCRETE COPING TO BE SUPPORTED ON NATURAL GROUND OR STABILISED FILL MATERIAL IN ACCORDANCE WITH AS/NZS 1839 AND/OR PIERED DOWN TO NATURAL GROUND WITH MINIMUM 150mm Ø CONCRETE PIERS AT 1.2m CENTRES.
- THE FIBREGLASS SHELL SHALL BE LAID UP WITH A NOMINAL RESIN TO GLASS RATIO OF 1.9:1 TO A THICKNESS OF 5mm OVER 90% OF THE POOL. NO AREA IS TO BE LESS THAN 4mm AND THE COPING NO LESS THAN 8mm.
- RIBBING IS TO COMPRISE OF A CORE SECTION NOT LESS THAN 3mm WITH A COVERING LAYER OF FIBREGLASS AND RESIN TO A NOMINAL GLASS TO RESIN RATIO OF 1.9:1 TO A MINIMUM THICKNESS OF 1.5mm COVERING THE RIB SECTION. THE OVERALL THICKNESS OF RIB SECTION NOT LESS THAN 7mm.
- CONCRETE STRENGTH MINIMUM 20MPa AT 80mm SLUMP MAXIMUM 20mm AGGREGATE.
- FILTER TO BE CONNECTED TO SKIMMER BOX AT WATER RETURN PORTS WITH MINIMUM RETURN DIAMETER 40mm UPVC PIPES & FITTINGS & SHALL COMPLY WITH AS 1926.3 WATER RETICULATION SYSTEMS.
- POOL EMPTYING NOTES:
THE POOL OWNER IS TO NOTIFY THE MANUFACTURER BEFORE ATTEMPTING TO EMPTY OR PARTLY EMPTY POOL WATER BELOW THE SKIMMER BOX, NO RESPONSIBILITY FOR DAMAGE TO THE POOL WILL BE ACCEPTED BY THE MANUFACTURER, THE MANUFACTURER'S AGENT OR THE ENGINEER.
- POOL FENCING & SAFETY SHALL COMPLY WITH THE FOLLOWING STANDARDS: AUSTRALIAN CODES AS1926.1 SAFETY BARRIERS FOR SWIMMING POOLS & AS1926.2 AUSTRALIAN STANDARD FOR LOCATION OF SAFETY BARRIERS FOR SWIMMING POOLS.

ENSURE ALL DIG DEPTHS AND LEVELS ARE CORRECT TO MAINTAIN THE REQUIRED POOL FINISH HEIGHT. IF THE HOLE HAS BEEN DUG TOO DEEP YOU MAY CORRECT THIS WITH BEDDING MATERIAL.

"WHERE OVER-EXCAVATION OCCURS UNDER THE POOL, THE ADDITIONAL BASE FILL SHALL BE STABILISED AND THOROUGHLY COMPACTED PRIOR TO THE INSTALLATION OF THE BEDDING MATERIAL".

NOTES:

- ALL APPROVED DRAWINGS FOR CERTIFICATION MUST BEAR ORIGINAL 'BLUE' SIGNATURE BY ESEN ENGINEERING PTY LTD.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE RELEVANT SITE PLANS.
- EXTERNAL POOL DIMENSIONS ARE COPING TO COPING.

THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE CONDITIONS OF DEVELOPMENT CONSENT

DA2021/1459


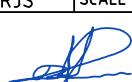
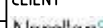
CONTOUR
LANDSCAPE ARCHITECTURE

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 <div>P 07 5578 8088 info@esenengineering.com Suite 12, Building 3 - Level 2 Lakehouse Offices 34-36 Glenferrie Dr, Robina QLD 4226</div>	CIVIL AND STRUCTURAL ENGINEERS		PROJECT STRUCTURAL DETAILS & SPECIFICATIONS FOR CONSTRUCTION	
	0	FIRST ISSUE	11.11.19	
	REV	DESCRIPTION	DATE	
	DATE	NOV '19	DRAWN	IB
	DESIGNED	RJS	SCALE	AS SHOWN
	SIGNED			
R J SHOWERS RPEQ 1547 MIE Aust 321787 EC24162 ESEN ENGINEERING PTY LTD ACN 636 547 987		CLIENT  NARELLAN POOLS PTY. LTD. 398 STAPYLTON JACOBS WELL RD STAPYLTON, QLD 4207 PH: +61 7 3807 3188 www.Narellanpools.com.au		
DRAWING No NP68 - SYMPHONY - 5.3m		REV ---		

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SCALE: 1:100 @ A3

DRAWN: SEC

DRAWING
POOL CONSTRUCTION PLAN

DRAWING NO:
C9

REV:
D