

POOL PLUMBING INSTALLATION NOTES:

- 1. ALL POOL FITTINGS AND COMPONENTS MUST BE INSTALLED STRICTLY IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. CONTACT THE SUPPLIER/MANUFACTURER FOR CLARIFICATION WHERE NEEDED.
- 2. ANY PIPEWORK INSTALLED ABOVEGROUND MUST BE ADEQUATELY SUPPORTED TO PREVENT MOVEMENT DURING OPERATION OF THE RECIRCULATION SYSTEM.
- 3. THE BUILDER/PLUMBER MUST ENSURE ALL POOL PIPEWORK IS PRESSURE-TESTED FOR LEAKS BEFORE BACKFILLING OR CONCEALMENT.
 - 3.1. ANY LEAKS MUST BE REPAIRED IMMEDIATELY BY A SUITABLY QUALIFIED PLUMBER.
 - 3.2. IF A LEAK IS DETECTED, THE RECIRUCLATION SYSTEM MUST BE SWITCHED OFF AND REMAIN OFF UNTIL REPAIRS ARE COMPLETED.

OUTLET SYSTEM REQUIREMENTS:

DUAL OUTLETS:

- 1. EACH PUMP MUST BE CONNECTED TO A MINIMUM OF TWO OUTLETS VIA A COMMON LINE WITH AT LEAST TWO BRANCH LINES.
- 2. BRANCH LINE DIAMETERS MUST BE EQUAL AND MUST COMPLY WITH THE MINIMUM DIAMETER SPECIFIED ON THE OUTLET COVER.
- 3. BRANCH LINES MUST BE CLEAR OF ANY DEVICES THAT MAY REDUCE THEIR DIAMETER. OUTLET COVERS FITTED INSIDE THE BRANCH PIPE ARE ACCEPTABLE ONLY IF DESIGNED AND TESTED FOR THAT CONFIGURATION.
- 4. CONNECTED OUTLETS MUST BE SPACED AT LEAST 600MM APART (CENTRE-TO-CENTRE) WHEREVER POSSIBLE. IF SPACING IS NOT ACHIEVABLE, A MINIMUM OF THREE OUTLETS IS REQUIRED.
- 5. THE SYSTEM FLOW RATE MUST NOT EXCEED THE RATED FLOW CAPACITY OF A SINGLE OUTLET COVER.

DESIGN CRITERIA

WIND REGION : A & B
SITE CLASSIFICATION : REFER SHEET 3
DESIGN WATER DEPTH : 550 MM



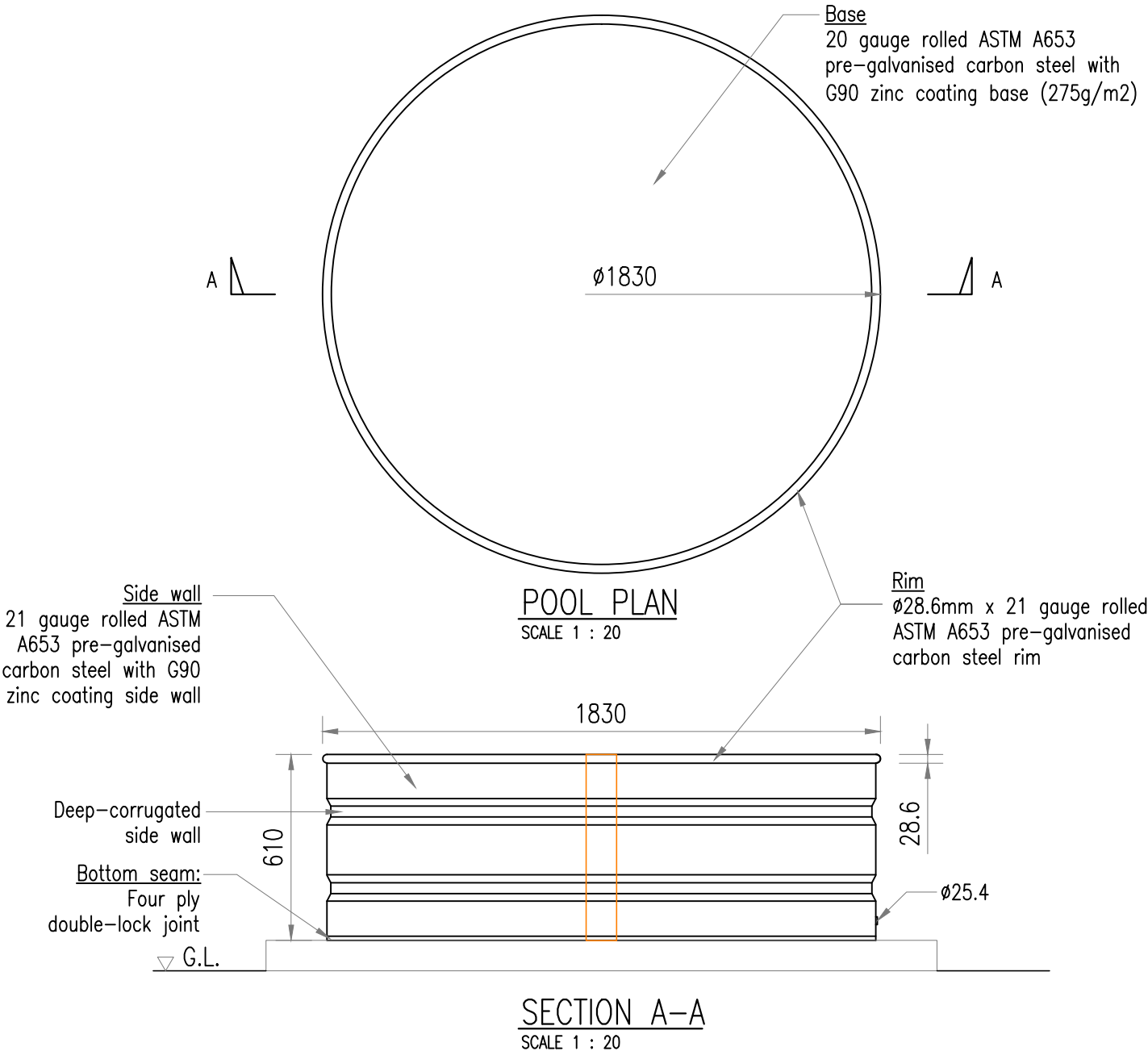
URBAN PLUNGE POOL

IMPORTANT NOTES

- THIS ENGINEERING DOCUMENT SHALL BE READ IN CONJUNCTION WITH INSTALLATION MANUAL ALONG WITH OTHER RELEVANT DOCUMENTS.
- POOL INSTALLER MUST HAVE A LEVEL OF FAMILIARITY AND COMPTENCY TO PROCEED WITH INSTALLATION PROCESS.
- THIS DOCUMENT DOES NOT CONTAIN ANY RECOMMENDATIONS WITH REGARD TO POOL SAFETY BARRIERS. POOL OWNER SHALL BE RESPONSIBLE FOR INSTALLATION OF POOL SAFETY BARRIER AS PER RELEVANT AUSTRALIAN STANDARDS AND SHALL BE INSPECTED BY A QUALIFIED PERSON PRIOR TO FILLING OF POOL.
- POOL SHALL BE EARTHED IN ACCORDANCE WITH AS3000.

POOL MATERIAL SPECIFICATIONS & PROPERTIES

TENSILE STRENGTH : 340 – 450 MPA
YIELD STRENGTH : 250 – 350 MPA
ELONGATION : 20 – 30%
DRAINAGE : 25.4MM THREADED PLUG
MATERIAL STANDARDS : ASTM A653
ASTM A924
FABRICATION STANDARDS : AWS; ISO 9001
SEALANT : PLIOGRIP® INDUSTRIAL ADHESIVE/SEALANT



DRAWING TITLE:
POOL PLAN AND SECTION
GENERAL NOTES

DRAWN:
AK
SCALE:
AS-SHOWN
JOB NO:
99230
DATE:
22/11/2025

DESCRIPTION OF WORK:

PROPOSED CORRUGATED GALVANISED
CARBON STEEL PLUNGE POOL AUSTRALIA
URBAN PLUNGE POOL – Ø1.8M x 0.61M



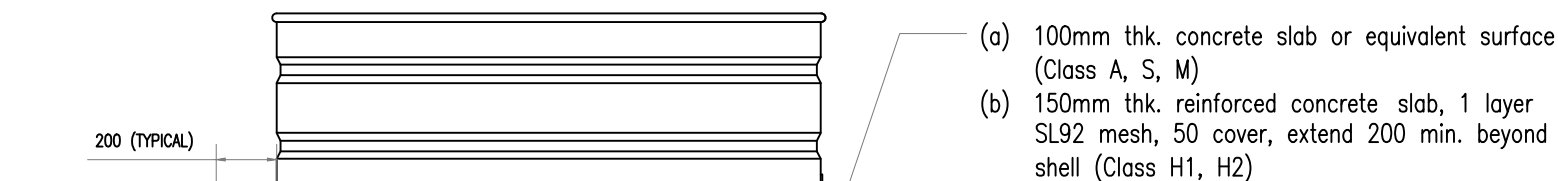
TERRA TANKS PTY. LTD.
17 TREEBY STREET, COOLBELLUP,
WA 6163, AUSTRALIA

SUBI
SMARTZ
CONSULTANTS PTY LTD
ABN 81624578687

Chong S. Liew, Steve
M.Sc(struct) MIEAust CPEng NER RPEQ
Signature: *Chong S. Liew* Date: 21/10/26
Registered on NER in the area(s)
of Civil and Structural Engineering
Membership No: 4512871

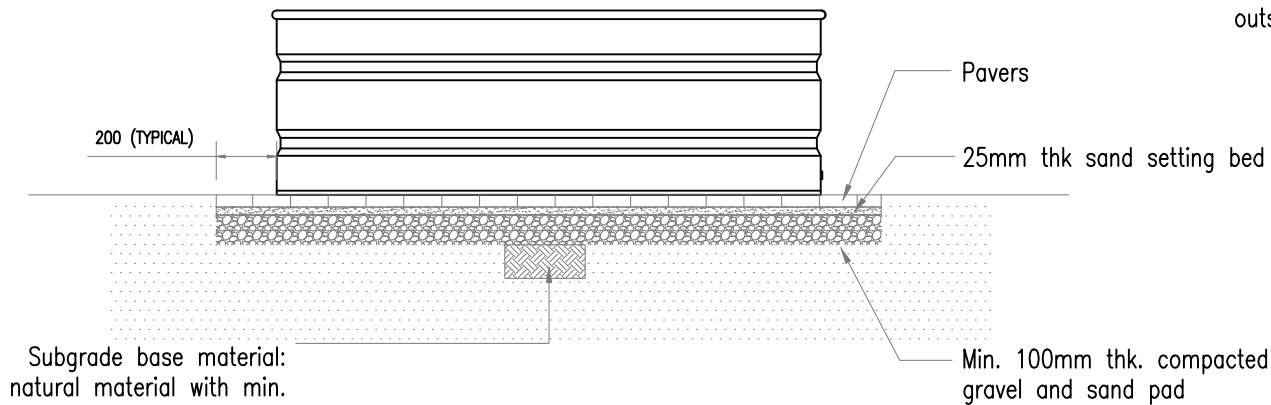
National
Engineering
Register

AMENDMENTS:		
A	UPDATE	16/9/26
DWG. UP-01	TOTAL DWG. 03	

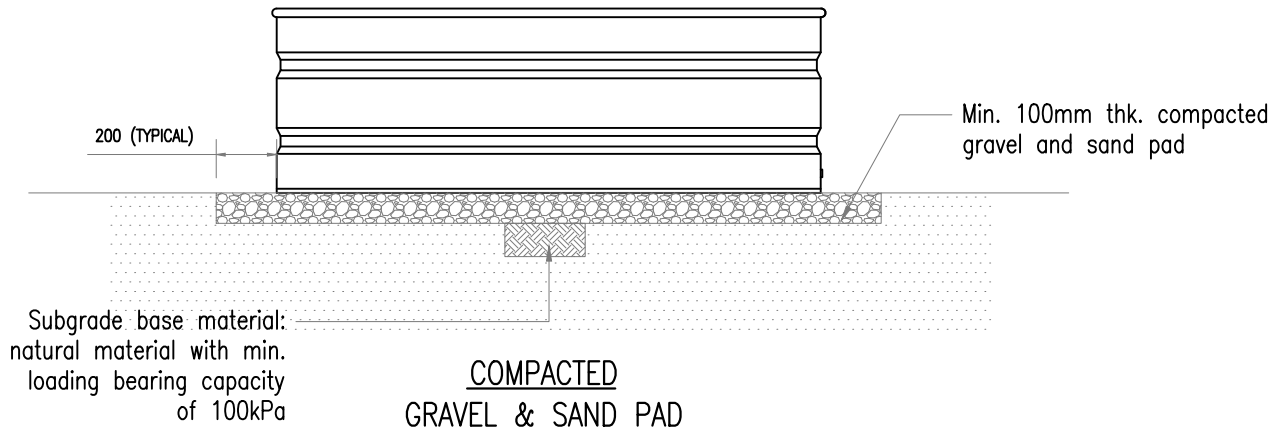


Subgrade base material:
natural material with min.
loading bearing capacity
of 100kPa

CONCRETE BASE



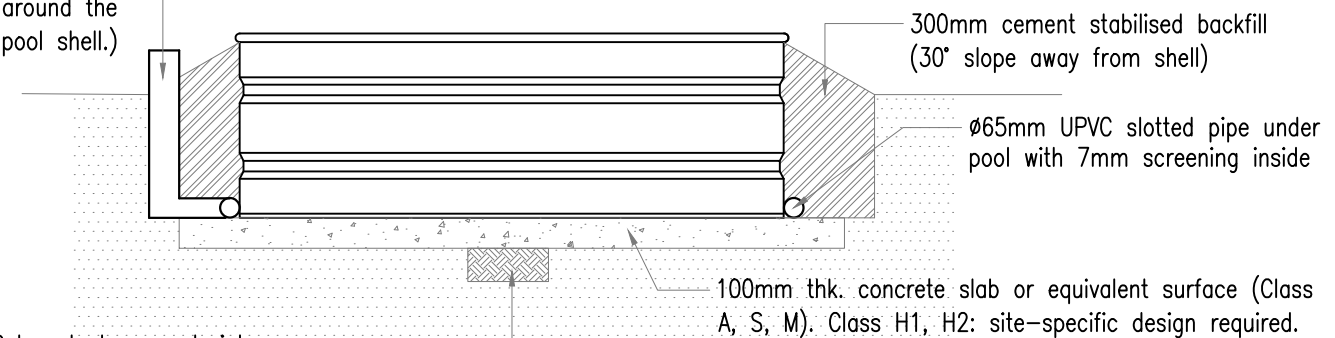
CEMENT PAVER



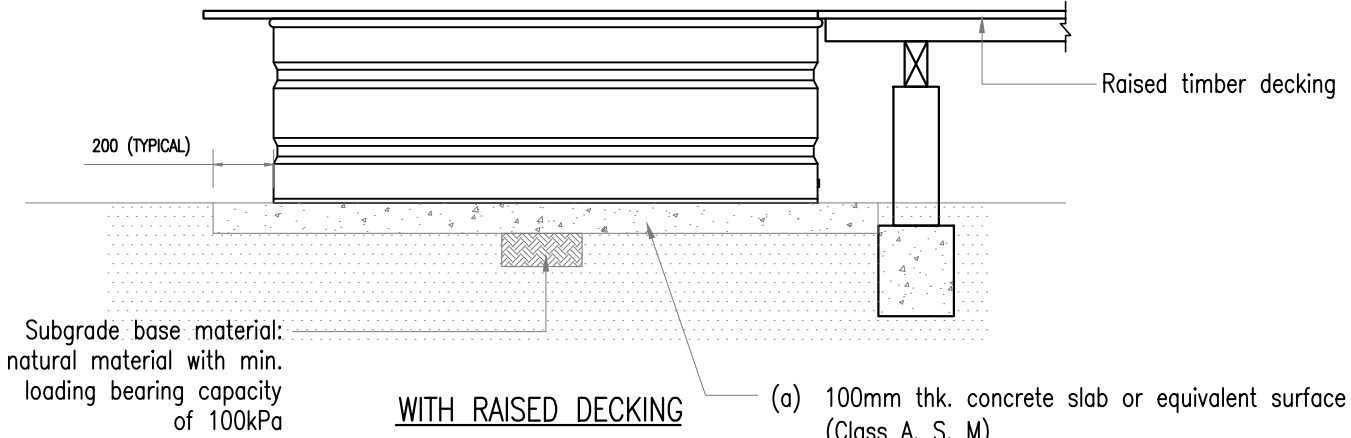
**COMPACTED
GRAVEL & SAND PAD**

Standpipe connected to Slotted
pipe below.
(Min. Ø100mm standpipe to act
as 'dip stick' to check on
ground water level around the
outside of the pool shell.)

NOTES FOR IN-GROUND:
SUBSOIL DRAINAGE TO DISCHARGE TO SOAKWELL, STORMWATER OR FREE-DRAINING OUTLET.
GROUNDWATER TO REMAIN BELOW UNDERSIDE OF POOL BASE AT ALL TIMES.



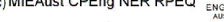
IN-GROUND



WITH RAISED DECKING

- (a) 100mm thk. concrete slab or equivalent surface (Class A, S, M)
- (b) 150mm thk. reinforced concrete slab, 1 layer SL92 mesh, 50 cover, extend 200 min. beyond shell (Class H1, H2)

- REQUIREMENTS FOR POOL INSTALLATION::**
- POOL TO BE INSTALLED ABOVEGROUND AND IS NOT DESIGNED AS A RETAINING STRUCTURE.
 - POOL BASE/FOUNDATION TO BE FOUNDED ON NATURAL FIRM SOIL WITH MINIMUM OF 100kPa BEARING CAPACITY.
 - POOL BASE/FOUNDATION SHALL HAVE A FINISHED SURFACE WITH A LEVEL WITHIN ±5MM.
 - ENSURE GROUND MATERIAL AROUND POOL AREA TO HAVE GOOD DRAINAGE PROPERTIES.
 - MAINTAIN A MINIMUM CLEARANCE EQUIVALENT TO DEPTH OF POOL TO NEARBY FOOTINGS OR RETAINING WALLS.
 - WHEN INSTALLED IN EXPOSED LOCATIONS, ENSURE POOL IS FILLED OR PROVIDE RESTRAINTS TO MITIGATE WIND UPLIFT WHEN EMPTY.
- SITE CLASSIFICATION (AS 2870):**
- CLASS A, S, M —ANY BASE DETAIL ON THIS SHEET.
 - CLASS H1, H2 —CONCRETE BASE OR RAISED DECKING ONLY, WITH 150 THK. REINFORCED SLAB (SL92 MESH, 50 COVER, EXTEND 200 MIN. BEYOND SHELL). PAVER, COMPACTED PAD AND IN-GROUND DETAILS REQUIRE SITE-SPECIFIC DESIGN.
 - CLASS P, E —SITE-SPECIFIC DESIGN BY A QUALIFIED ENGINEER.

DRAWING TITLE: POOL INSTALLATION AND BASE DETAIL		DESCRIPTION OF WORK: PROPOSED CORRUGATED GALVANISED CARBON STEEL PLUNGE POOL AUSTRALIA URBAN PLUNGE POOL – Ø1.8M x 0.61M		TERRA TANKS PTY. LTD. 17 TREEBY STREET, COOLBELLUP, WA 6163, AUSTRALIA	 CONSULTANTS PTY LTD ABN 81624578687	Chong S. Liew, Steve M.Sc(stuc) MIEAust CPEng NER RPEQ  Registered on NER in the area(s) of Civil and Structural Engineering	 National Engineering Register Date 21/10/26 Membership No: 4512871	AMENDMENTS:		
DRAWN: AK	JOB NO: 99230							A	UPDATE	16/9/26
SCALE: AS-SHOWN	DATE: 22/11/2025									
								DWG. UP-03	TOTAL DWG. 03	