

# CARLOW CONCRETE TANKS

**DRAWING TITLE:**  
1.9m Ø x 6m PRECAST CONCRETE  
PUMP CHAMBER  
WITH 3m RISER  
- TYPICAL DETAILS.

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**TYPICAL INSITU BALLAST CONCRETE SPECIFICATION:**  
CONCRETE GRADE: C28/35  
MIN. CEMENT CONTENT: 320 kg/m<sup>3</sup>  
MAX. W/C RATIO: 0.55  
MAX. AGGREGATE SIZE: 20mm  
STEEL FIBRE DOSAGE: 20 kg/m<sup>3</sup>  
STEEL FIBRE TYPE: DRAMIX RL 45/50 BN  
(OR SIMILAR)

**STANDARD UNIT WEIGHTS:**  
- STANDARD BASE UNIT: 6.1 TONNES  
- 1m RISER: 1.6 TONNES  
- 2m RISER: 2.4 TONNES  
- 3m RISER: 4.0 TONNES  
- LID UNIT: 1.5 TONNES

**STANDARD LID DESIGN LOADS:**  
IMPOSED LOAD: 10 kN/m<sup>2</sup> UDL OR 5,850 kg WHEEL LOAD  
DEAD LOAD: UP TO 1m OVERBURDEN  
HEAVY DUTY OR CUSTOM LIDS CAN BE MANUFACTURED FOR MORE ONEROUS APPLICATIONS.

**STANDARD ACCESS OPENING SIZES:**  
- 1400mm x 850mm  
- 900mm x 600mm  
- 600mm x 600mm  
**NON STANDARD SIZES ARE AVAILABLE ON REQUEST**

