

CARLOW CONCRETE TANKS

DRAWING TITLE:
2.4m Ø PRECAST CONCRETE PUMP CHAMBER
- TYPICAL DETAILS.

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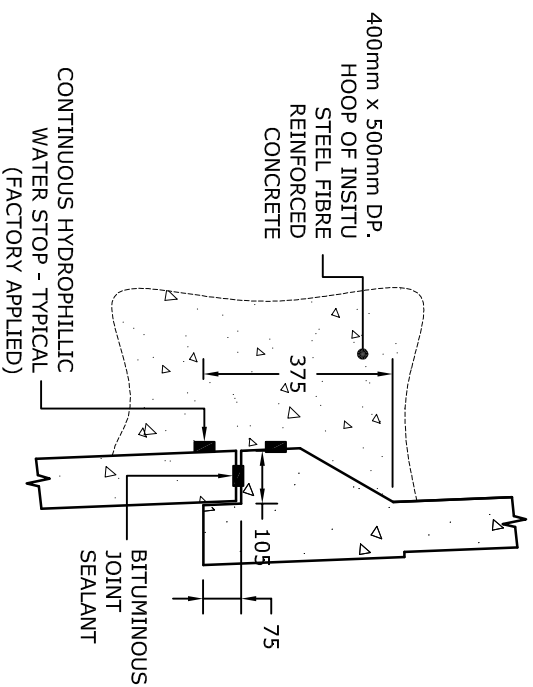
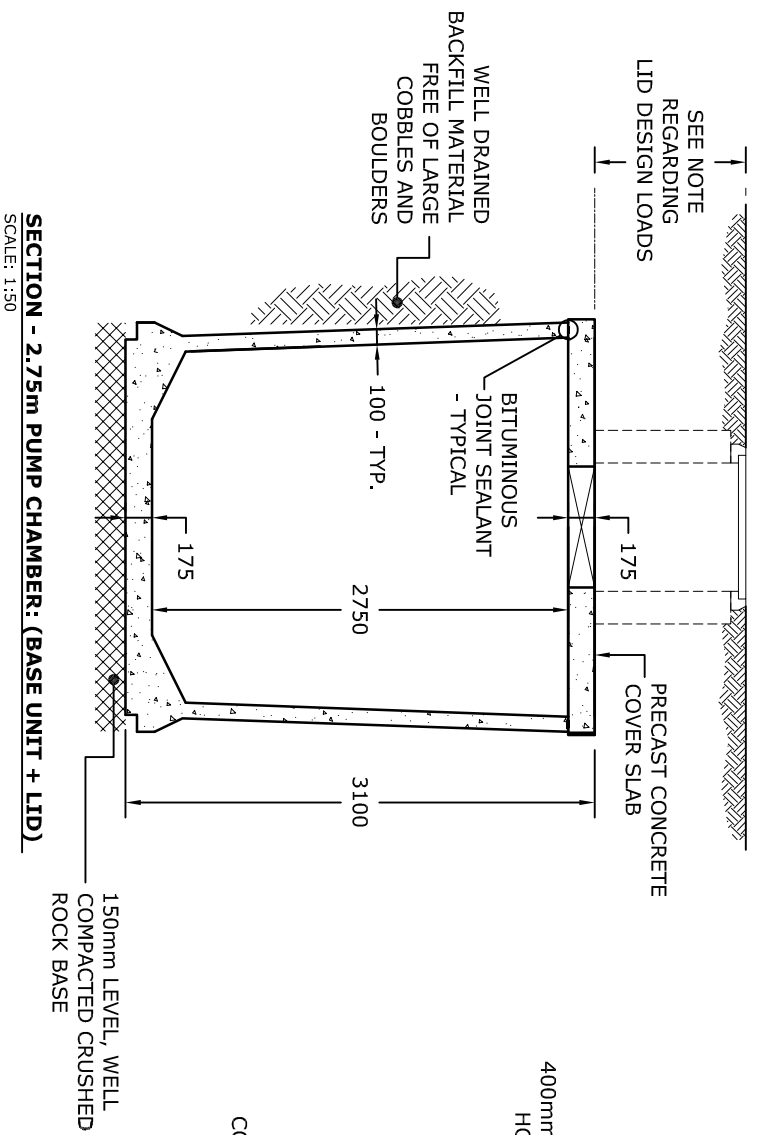
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Revision: B

TYPICAL INSITU CONCRETE SPECIFICATION:
CONCRETE GRADE: C28/35
MIN. CEMENT CONTENT: 320 kg/m³
MAX. W/C RATIO: 0.55
MAX. AGGREGATE SIZE: 20mm
STEEL FIBRE DOSAGE: 20 kg/m³
STEEL FIBRE TYPE: DRAMIX RL 45/50 BN
(OR SIMILAR)

STANDARD LID DESIGN LOADS:
IMPOSED LOAD: 10 kN/m² 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.

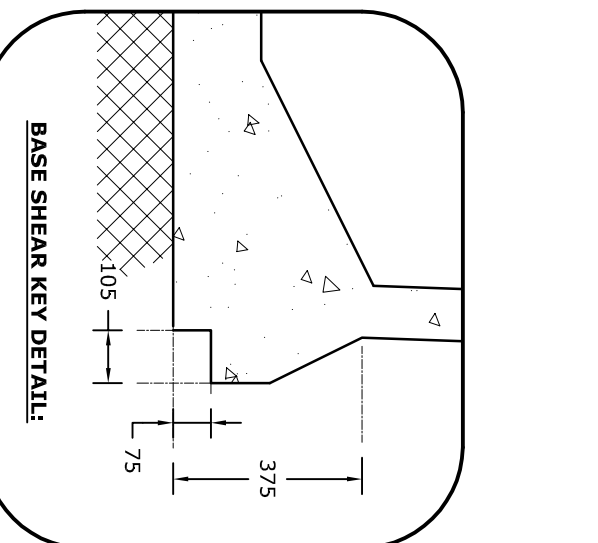
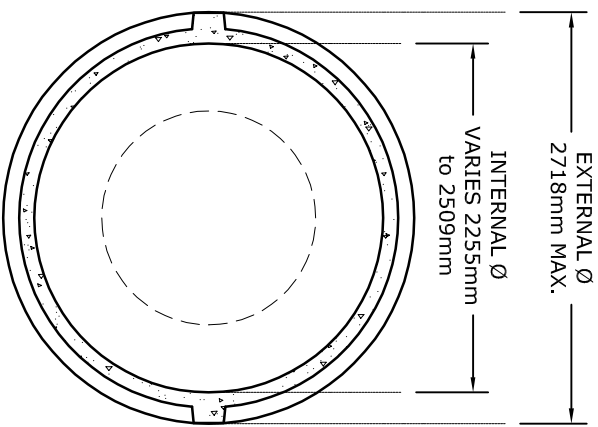
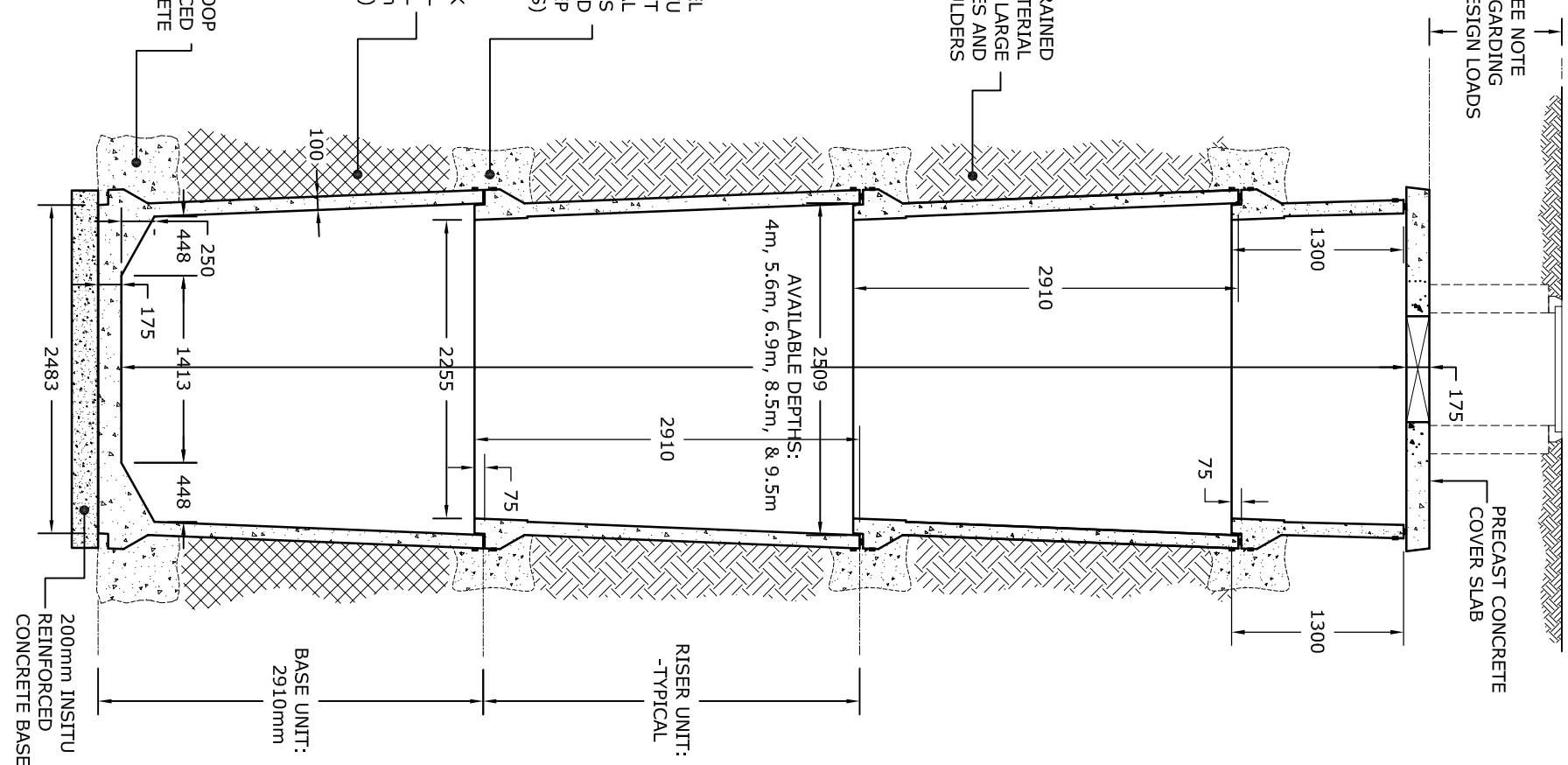
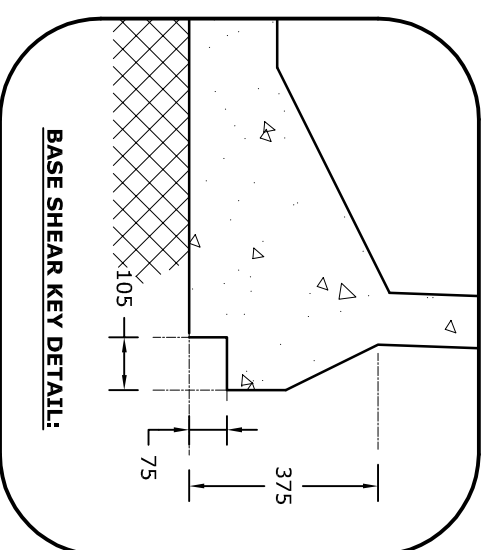
STANDARD ACCESS OPENING SIZES:
- 1400mm x 850mm
- 900mm x 600mm
- 600mm x 600mm
NON STANDARD SIZES ARE AVAILABLE ON REQUEST



400mm x 500mm Dp. STEEL FIBRE REINFORCED INSITU CONCRETE HOOP AT JOINT LOCATION - IF ADDITIONAL PROTECTION AGAINST INGRESS OR EGRESS IS REQUIRED (HIGH WATER TABLE OR DEEP STORAGE APPLICATIONS)

CRUSHED ROCK BACKFILL TO JOINT LEVEL (STACKS OF 5.6m & ABOVE ONLY)

600mm x 600mm HOOP OF STEEL FIBRE REINFORCED INSITU BALLAST CONCRETE



COVER SLAB - PLAN VIEW:

BASE UNIT - PLAN VIEW:

SECTION - TYPICAL PUMP CHAMBER STACK: (BASE UNIT + RISER)