NOTES:

1. MANUFACTURING MAY BE REQUIRED FOR PIPES OVER 450 mm REFER TO SCHEDULE FOR SIZES OF SPECIFIC PITS, PITS WITH MANUFACTURING IN TWO DIRECTIONS REQUIRE SPECIAL STRUCTURAL DESIGN.

2. PIT REINFORCEMENT: REBAR LAPS TO BE 500 mm MINIMUM CLEAR COVER TO BE 50 mm MINIMUM, CONCRETE RETURN REINFORCEMENT MAY BE FABRIC OR EQUIVALENT BARS, BARS GRADE 400K & FABRICATION TO COMPLY WITH AS/NZS 4671. CONCRETE SHALL BE NORMAL-CLASS N32 STANDARD STRENGTH GRADE OR HIGHER COMPLYING WITH THE REQUIREMENTS OF AS 1379, EXPOSURE CLASSIFICATIONS UPTO AND INCLUDING B1.

3. PITS DEEPER THAN 1000 mm SHALL BE FITTED WITH STEP RINGS REFER SD 1041. THESE SHALL BE ALIGNED DIRECTLY BELOW THE OPENING IN THE COVER.

4. PRECAST UNITS MAY BE CONSTRUCTED TO THE MANUFACTURER'S DETAILS. THE DESIGN SHALL COMPLY WITH THE AS 5100 BRIDGE DESIGN AND THE FOLLOWING ADDITIONAL REQUIREMENTS:
   - MINIMUM LATERAL PRESSURE AT ANY POINT AT THE ULTIMATE LIMIT STATE SHALL BE NOT LESS THAN 75 kPa.
   - ADEQUATE DRAINAGE SHALL BE PROVIDED TO PREVENT WATER ACCUMULATION.
   - VERTICAL LOAD 210 kN APPLIED ANYWHERE ON PIT.
   - MINIMUM REINFORCEMENT AREA SHALL BE 150 mm²/A.

5. CAST IRON COVER AND FRAME TO BE INSTALLED AS ONE UNIT.

6. CONCRETE INFILL FOR COVER AND FRAME SHALL BE M20 AT 28 DAYS, WITH 10 MPY MAX AGGREGATE, TAMP AND PENCIL VIBRATOR.

7. EACH COVER SHALL HAVE WEIGHT AND CAPACITY CLEARLY PRINTED ON THE TOP.

8. THIS COVER SHOULD BE USED IN AREAS SUBJECT TO TRUCK LOADING.