NOTES:

1. MASONRY MAY BE REQUIRED FOR VAPES OVER 440 DIA. REFER TO PIT SCHEDULE FOR SIZES OF SPECIFIC PITS. PITS WITH MASONRY IN TWO DIRECTIONS REQUIRE SPECIAL STRUCTURAL DESIGN.

2. PIT REINFORCEMENT - TIE LAPS TO BE 300 MINIMUM. CLEAR COVER TO BE 50 MINIMUM. CORNER RETURN REINFORCEMENT MAY BE FABRIC OR EQUIVALENT. BARS, GRADE 400 & FABRICATION TO COMPLY WITH AS/NZS 4671 CONCRETE SHALL BE NORMAL-CLASS N2 STANDARD STRENGTH GRADE OR HIGHER COMPLYING WITH THE REQUIREMENTS OF AS 1579. EXPOSURE CLASSIFICATIONS UP TO AND INCLUDING B1.

3. PITS DEEPER THAN 1000 SHALL BE FITTED WITH STEP IRONS, REF. SD 1041.

4. CONCRETE HNVEL IS REQUIRED TO SUPPORT A TEST LOAD OF 105 KN IN ACCORDANCE WITH VINCLES'S INTERM TEST METHOD FOR TEST LOADING PIT COVERS, LINETS AND LIDS.

5. PRECAST UNITS MAY BE CONSTRUCTED TO THE MANUFACTURER'S DETAILS. THE DESIGN SHALL COMPLY WITH THE AS 3600 BRIDGE DESIGN AND THE FOLLOWING ADDITIONAL REQUIREMENTS:
   - COMBINED FACTORED LATERAL PRESSURE AT ANY POINT AT THE ULTIMATE LIMIT STATE SHALL NOT EXCEED 35 KPA.
   - ADEQUATE DRAINAGE SHALL BE PROVIDED TO PIT WALLS TO AVOID HYDROSTATIC PRESSURE.
   - VERTICAL LOAD 210 KN APPLIED ANYWHERE ON PIT.
   - MINIMUM REINFORCEMENT AREA SHALL BE 0.150 mm²/m².
   - CONCRETE SHALL BE NORMAL-CLASS N2 STANDARD STRENGTH GRADE OR HIGHER COMPLYING WITH THE REQUIREMENTS OF AS 1579. EXPOSURE CLASSIFICATIONS UP TO AND INCLUDING B1.

6. GRATE FRAME SHALL BE CONSTRUCTED FROM 75x50x4 OR 50x30x4 MS ANGLE. EACH CORNER SHALL BE CHAMFERED ON UNDERSIDE OF HORIZONTAL LEGS AND ON INSIDE OF VERTICAL LEGS. BEFORE WELDING WITH SINGLE V BUTT WELD. FRAME TO BE WELDED TO 125x65 15 kg/m² TF CHANNEL.

7. GRATE UNITS SHALL BE MADE FROM 75x50x4 OR 50x30x4 MS BARS, THE TOP AND BOTTOM EDGES OF THE BAR ENDS SHALL BE CHAMFERED 75x50x4 BEFORE CONTINUOUSLY WELDING ALL AROUND AND GROUND FLUSH BEFORE GALVANIZING.

8. BOTH GRATE AND GRATE FRAME SHALL BE HOT DIP GALVANIZED TO AS 1650 UNLESS SPECIFIED OTHERWISE.