



PITS UP TO 3600 DEPTH

**GENERAL NOTES**

1. ALL CONCRETE SHALL BE F'c 25 MPa AT 28 DAYS.
2. PITS WITH HAUNCHING IN TWO DIRECTIONS REQUIRE SPECIAL STRUCTURAL DESIGN.
3. PIT REINFORCEMENT DETAILS ARE SHOWN IN TABLE. FABRIC IN SHAFT SHALL HAVE THE MAIN BARS POSITIONED HORIZONTALLY. LAPS TO BE 300mm MIN, CLEAR COVER TO BE 50mm MIN. CORNER RETURN REINFORCEMENT MAY BE FABRIC OR EQUIVALENT BARS. BARS GRADE 400Y & FABRICS TO COMPLY WITH AS/NZS 4671. CONCRETE SHALL BE NORMAL CLASS N32 STANDARD STRENGTH GRADE OR HIGHER COMPLYING WITH REQUIREMENT OF AS 1379.
4. PITS DEEPER THAN 750mm SHALL BE FITTED WITH GALVANISED STEP IRONS (@ 300mm C.T.S) REFER TO YSD 212.
5. PRECAST PITS MAY BE CONSTRUCTED TO THE MANUFACTURER'S DETAILS. THE DESIGN SHALL COMPLY WITH THE AS 5100 BRIDGE DESIGN AND THE FOLLOWING ADDITIONAL REQUIREMENTS:
  - COMBINED FACTORED LATERAL PRESSURE AT ANY POINT AT THE UNTIMATE LIMIT STATE SHALL BE NOT LESS THAN 25 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 150mm<sup>2</sup>/m.
  - CONCRETE SHALL BE NORMAL -CLASS N32 STANDARD STRENGTH OR HIGHER COMPLYING WITH THE REQUIREMENTS OF AS 1379.
6. SUBSURFACE DRAIN HOLES SHOULD BE OPEN WITH STOCKING INSIDE IF NOT USED.
7. WORKS IN CONFINED SPACE TO BE IN ACCORDING WITH THE CURRENT VICTORIAN ACT. THE OH&S (CONFINED SPACE) REGULATIONS AND THE CODE OF PRACTICE FOR CONFINED SPACES.

**REINFORCEMENT DETAILS**

PIT LENGTH "L"	REINFORCEMENT
UP TO 1200	F92
1201 TO 1800	F918
1801 TO 2400	F1218

**Yarra Standard: YSD204**  
**Drawing Title:**  
 HAUNCHED JUNCTION PIT

Scale at A4 N.T.S

REV	DATE	DRAWN BY
A	22/12/15	HL
B	25/10/17	HL

