



**PITS UP TO 3600 DEPTH**

**GENERAL NOTES**

1. ALL CONCRETE SHALL BE F'c 25MPa AT 28 DAYS
2. MINIMUM PIT DEPTHS

| DEPTH        | INTERNAL DIMENSIONS (PIT TOP) |                         |
|--------------|-------------------------------|-------------------------|
|              | PITS IN TRAFFIC LANES         | PITS IN OTHER LOCATIONS |
| 0 - 1200     | 750 X 750                     | 750 X 750               |
| 1201 UPWARDS | 750 X 750                     | 750 X 1000              |

3. PITS WITH HAUNCHING IN TWO DIRECTIONS REQUIRE SPECIAL STRUCTURAL DESIGN
4. PIT REINFORCEMENT DETAILS ARE SHOWN BELOW, FABRIC IN SHAFT SHALL HAVE THE MAIN BARS POSITIONED HORIZONTALLY. LAPS TO BE 300 MIN, CLEAR COVER TO BE 75 MIN. CORNER RETURN REINFORCEMENT MAY BE FABRIC OR EQUIVALENT BARS.

**REINFORCEMENT DETAILS**

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

5. PITS DEEPER THAN 750 SHALL BE FITTED WITH STEP IRONS REFER TO YSD20.
6. PRECAST PITS WITH THINNER WALLS AND LESS STEEL, MAY BE ACCEPTED WHERE THE MANUFACTURER CAN DEMONSTRATE THAT THE PITS HAVE ADEQUATE CAPACITY TO SUPPORT A COMBINATION OF THE FOLLOWING LOADS:

LATERAL LOADS - EARTH PRESSURE WITH 210KN SURCHARGE  
 - HYDROSTATIC PRESSURE  
 - COMPACTION PRESSURE (25 KPa MIN)  
 VERTICAL LOAD 210 KN

**Yarra Standard: YSD12**  
**Drawing Title:**

HAUNCHED JUNCTION PIT

Scale at A4 N.T.S  
 Updated 29/11/07

