



REINFORCEMENT DETAILS	
PIT "L", "W" OR "D"	REINFORCEMENT
UP TO 1200	SL92
1201 TO 1800	RL918
1801 TO 2400	RL1218

- NOTES:**
- USE 600 x 600 PIT FOR JUNCTION PITS LOCATED IN OR WITHIN 300mm OF TRAFFIC LANES. FOR SUBSURFACE DRAIN PITS DEEPER THAN 2.5m USE JUNCTION PITS.
  - FOR PITS NOT IN TRAFFIC LANES, THE STANDARD SHAFT SIZE IS 900 x 900.
  - HAUNCHING MAY BE REQUIRED FOR PIPES OVER 600mm DIAMETER. PITS WITH HAUNCHING IN TWO DIRECTIONS REQUIRE SPECIAL STRUCTURAL DESIGN.
  - PIT REINFORCEMENT DETAILS ARE SHOWN IN TABLE. MESH IN SHAFT SHALL HAVE THE MAIN BARS POSITIONED HORIZONTALLY. LAPS TO BE 300 MINIMUM. CLEAR COVER TO BE 50 MINIMUM. CORNER RETURN REINFORCEMENT MAY BE FABRIC OR EQUIVALENT BARS.
  - 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 210 kN SURCHARGE
      - HYDROSTATIC PRESSURE
      - COMPACTION PRESSURE 25 kPa (MIN)
      - VERTICAL LOAD - 210 kN
  - TYPICAL PIT WIDTH "W" IS 750mm FOR PITS LOCATED WITHIN 300mm OF TRAFFIC LANES. OTHER PIT WIDTHS MAY BE USED FOLLOWING APPROVAL BY MILDURA RURAL CITY COUNCIL.
  - OTHER PITS MAY BE UTILIZED FOLLOWING APPROVAL BY THE MILDURA RURAL CITY COUNCIL.
  - PIT LIDS IN TRAFFICABLE AREA TO BE CLASS 'D' GATIC OR SIMILAR APPROVED.
  - PIT LIDS IN NON TRAFFICABLE AREAS IN ROAD RESERVES TO BE CLASS 'C'
  - OTHER AREAS I.E. EASEMENTS TO BE MINIMUM CLASS 'B'
  - REFER TO AS3996 FOR LOAD CLASSIFICATIONS.
  - FIBRE REINFORCED CONCRETE MAY BE USED FOR PRECAST PITS LESS THAN 1.2m DEEP SUBJECT TO APPROVAL BY SUPERINTENDENT.
  - FOR PITS DEEPER THAN 1.0m PROVIDE GALVANISED PLASTIC ENCAPSULATED STEP IRONS, INSTALLED AS PER AS1657. PITS DEEPER THAN 2400 SHALL BE FITTED WITH LADDER.
  - ALL STEP IRONS / LADDERS TO BE SPACED EQUALLY AS PER AS1657. ACCEPTABLE RUNG SPACING IS BETWEEN 250 MIN TO 300 MAX TO SUIT PIT DEPTH.
  - CONCRETE STRENGTH TO BE A MIN 25MPa.
  - ALL MEASUREMENTS IN MILLIMETRES UNLESS NOTED OTHERWISE.



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## TYPICAL STORMWATER PITS JUNCTION PIT