

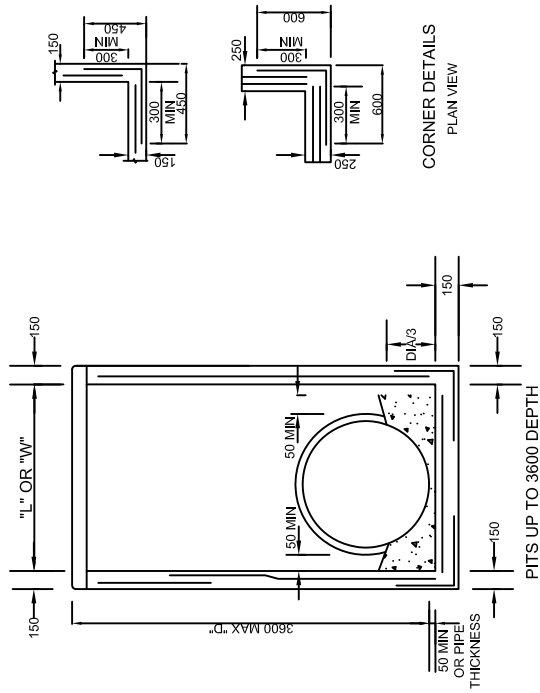
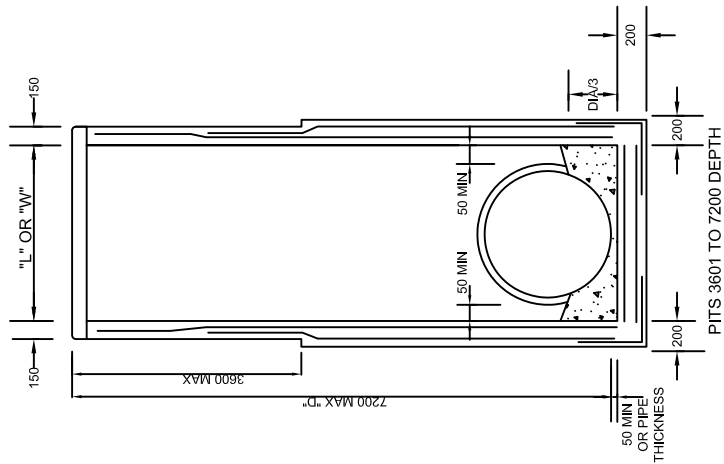
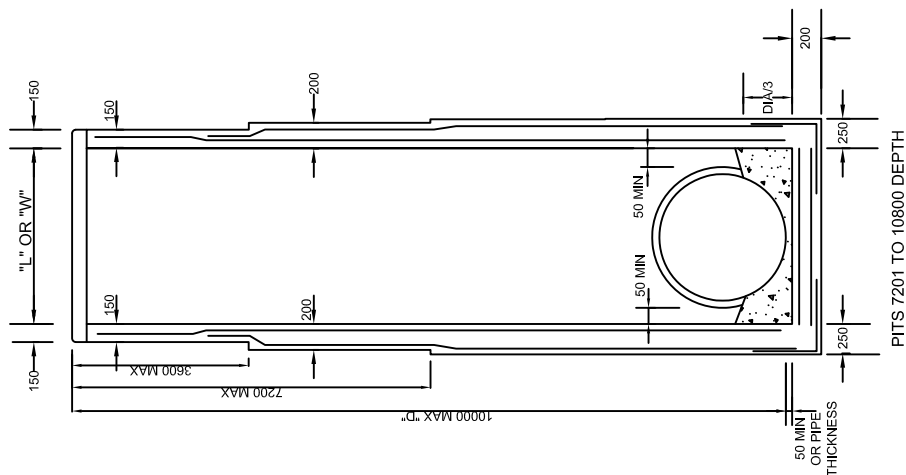
# UNHAUNCHED PITS

STANDARD DRAWING

DATE REVIEWED  
OCTOBER 2015

SCALE  
NTS

DRAWING No.  
SDI027

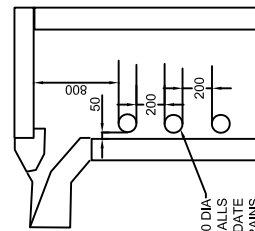


**NOTES**

**1. MINIMUM PIT SIZES:**

DEPTH	INTERNAL DIMENSIONS	
	PITS IN TRAFFIC LANES	PITS IN OTHER LOCATIONS
0 - 1700	750 X 750	750 X 750
1700 UPWARDS	750 X 750	750 X 1000

- PITS WITH HAUNCHING IN TWO DIRECTIONS REQUIRE SPECIAL STRUCTURAL DESIGN. THE STANDARD DETAILS DO NOT APPLY. FOR DETAILS OF SPECIFIC PITS REFER TO PIT SCHEDULE
- PIT REINFORCEMENT DETAILS ARE SHOWN IN TABLE. FABRIC IN SHAFT SHALL HAVE THE MAIN BARS POSITIONED HORIZONTALLY. LAPS TO BE 300MM. CLEAR COVER TO BE 50 MIN. CORNER RETURN REINFORCEMENT MAY FABRIC OR EQUIVALENT BARS. BARS GRADE 400Y TO AS 1302/1991. FABRICS TO AS 1304/1991. CONCRETE GRADE VR330/32 TO SECTION 610 OF VICROAD'S SPECIFICATION.
- PITS DEEPER THAN 1000 SHALL BE FITTED WITH STEP IRONS. REFER SD 1001.
- FOR TOP OF PIT DETAILS, REFER PIT SCHEDULE AND RELEVANT STANDARD DRAWINGS.
- PRECAST UNITS MUST BE CONSTRUCTED TO THE MANUFACTURER'S DETAILS. THE DESIGN IS TO COMPLY WITH THE AUSTRALASIAN BRIDGE DESIGN CODE 1992 AND THE FOLLOWING ADDITIONAL REQUIREMENTS:
  - COMBINED FACTORED LATERAL PRESSURE OF ANY STATE SO BE NOT LESS THAN 25kPa
  - ADEQUATE DRAINAGE SHALL BE PROVIDED FOR PIT WALLS TO AVOID HYDROSTATIC PRESSURE
  - VERTICAL LOAD OF 210kN APPLIED ANYWHERE ON PIT
  - MINIMUM REINFORCEMENT AREA TO BE 150mm<sup>2</sup>/m
  - CONCRETE SHALL COMPLY WITH SECTION 610 VICROADS SPECIFICATION
- SUBSURFACE DRAIN HOLES TO BE SEALED IF NOT USED



FORM THREE 120 DIA HOLES IN SIDE WALLS TO ACCOMMODATE PAVEMENT DRAINS IN BOTH SIDES

PIT DEPTH D	REINFORCEMENT
UP TO 1700	NIL
1700 TO 3600	F92