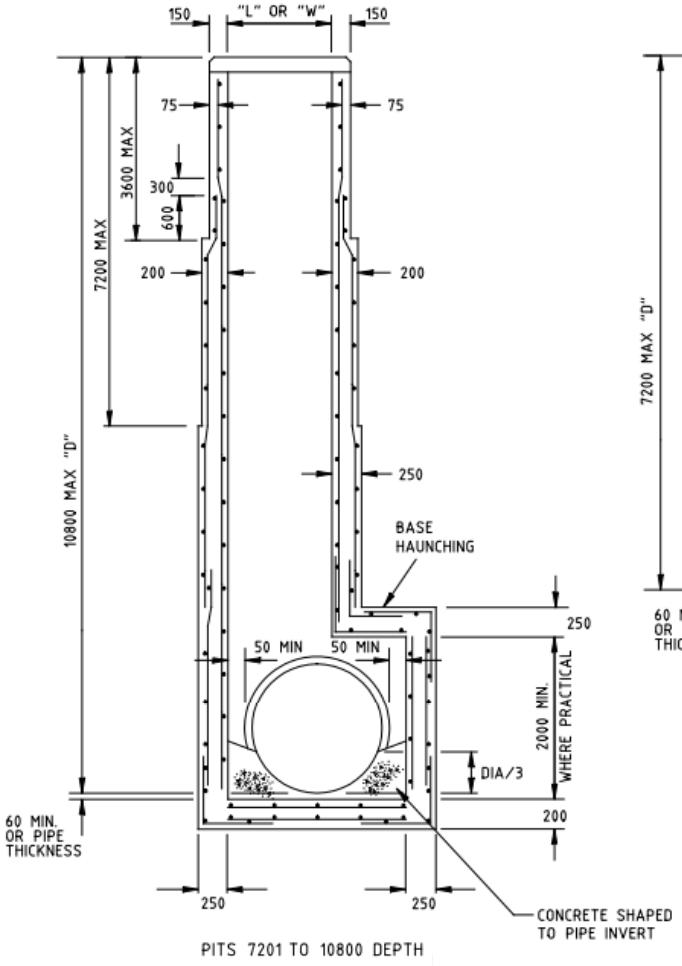
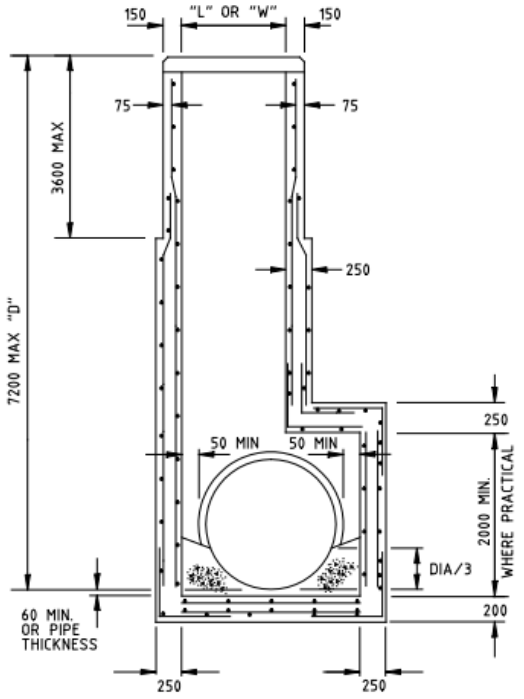
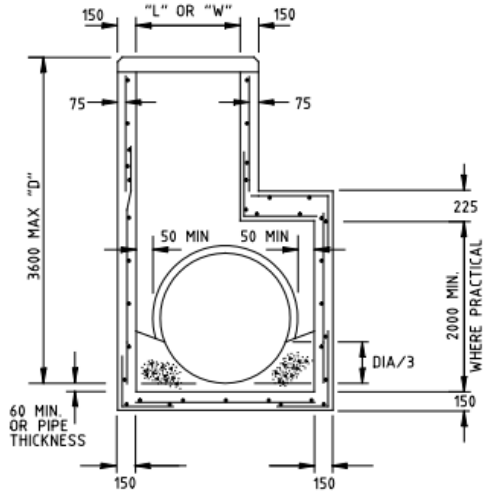


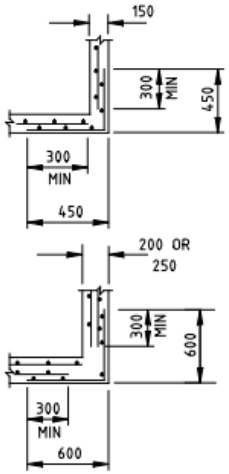
PITS 7201 TO 10800 DEPTH



PITS 3601 TO 7200 DEPTH



PITS UP TO 3600 DEPTH



CORNER DETAILS

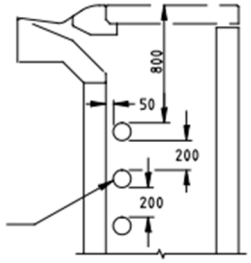
PLAN VIEW

DISCLAIMER (APRIL '23): THIS DRAWING IS IN THE PROCESS OF BEING UPDATED. FOR ALL STRUCTURAL REQUIREMENTS REFER BRIDGE TECHNICAL NOTE (BTN) 033: STRUCTURAL REQUIREMENTS FOR REINFORCED CONCRETE DRAINAGE PITS. GEOMETRIC DIMENSIONS SHOWN ON THIS DRAWING MAY BE USED AS A GUIDE AND MODIFIED WHERE NECESSARY TO ACHIEVE COMPLIANCE.

REINFORCEMENT DETAILS

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

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



PRECAST PIT

NOTES:

1. MINIMUM PIT SIZES:

DEPTH	INTERNAL DIMENSIONS	
	PITS IN TRAFFIC LANES	PITS IN OTHER LOCATIONS
0 - 1200	750 x 750	750 x 750
1201 UPWARDS	750 x 750	750 x 1000

2. PITS WITH HAUNCHING IN TWO DIRECTIONS REQUIRE SPECIAL STRUCTURAL DESIGN. THE STANDARD DETAILS DO NOT APPLY.
3. FOR DETAILS OF SPECIFIC PITS, REFER TO PIT SCHEDULE.
4. PIT REINFORCEMENT DETAILS ARE SHOWN IN TABLE. FABRIC IN SHAFT SHALL HAVE THE MAIN BARS POSITIONED HORIZONTALLY. LAPS TO BE 300 MIN. CLEAR COVER TO BE 50 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 THE REQUIREMENTS OF AS 1379. EXPOSURE CLASSIFICATIONS UP TO AND INCLUDING B1.
5. PITS DEEPER THAN 1000 SHALL BE FITTED WITH STEP IRONS, REFER SD 1041.
6. FOR TOP OF PIT DETAILS, REFER TO PIT SCHEDULE AND RELEVANT STANDARD DRAWINGS.
7. PRECAST UNITS 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 ULTIMATE 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 150 mm²/m.
   - CONCRETE SHALL BE NORMAL-CLASS N32 STANDARD STRENGTH OR HIGHER COMPLYING WITH THE REQUIREMENTS OF AS 1379. EXPOSURE CLASSIFICATIONS UP TO AND INCLUDING B1.
8. SUBSURFACE DRAIN HOLES TO BE SEALED IF NOT USED.

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C	J.K.	1/7/05	AS 1302 & 1304 SUPERSEDED BY AS/NZS 4671. AUSTRALIAN BRIDGE CODE 1996 SUPERSEDED BY AS 5100 BRIDGE DESIGN
B	J.C.	1.2.98	AMENDMENTS TO NOTES 4 & 7 CONCRETE STRENGTH GRADES
A	J.C.	1.9.94	AMENDMENTS TO HAUNCHING DEPTH, GEN. NOTE 5, NOTES 2, 4, 7 & 8, INVERT DEPTH.

GENERAL NOTES

1. PIT DIMENSIONING AND SETTING OUT DETAILS — SD 1001
2. UNHAUNCHED PITS — SD 1011
3. STEP IRONS — SD 1041
4. PIT COVERS — SD 1051
5. ALL DIMENSIONS ARE IN MILLIMETRES

DESIGNED PRINCIPAL ROAD DESIGN ENGINEER
APPROVED 23.9.94
CATALOG PRED
PROJECT sddgnnew
FILENAME sd-1021c.dgn
SCALE HOR NOT TO SCALE
OF METRES VER

vicroads design
ENGINEERING & TECHNOLOGY CONSULTANTS
3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA, 3124
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FAX NO. (03) 9881 8329

STANDARD DRAWING

HAUNCHED PITS

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			SD 1021	C

sd-1021c.dgn 30/03/2004 10:04:35 PM