



SECTION A-A

NOTES:

- PIT SIZE: 750 x 1000 (INTERNAL DIMENSIONS).
- PIT REINFORCEMENT - F92 FABRIC. 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.
- PITS DEEPER THAN 1000 SHALL BE FITTED WITH STEP IRONS. REFER SD 1041.
- 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 GRADE OR HIGHER COMPLYING WITH THE REQUIREMENTS OF AS 1379. EXPOSURE CLASSIFICATIONS UP TO AND INCLUDING B1.
- CONCRETE FRAMES TO BE SET ON 5 mm OF MORTAR.

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.

14-010-000
30/03/2024 10:00AM PM

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C	J.K.	1/7/05	AS 1000 & 1004 SUPERSEDED BY AS/NZS 4671. AUSTRALIAN BRIDGE CODE 1004 SUPERSEDED BY AS 5100 BRIDGE CODE
B	J.C.	1/2/98	AMENDMENT TO NOTES 2 & 4, CONCRETE STRENGTH GRADES
A	J.C.	1/9/94	NOTES 2, 4 & 5, GENERAL NOTE 5, COVERS, SECTION A-A.

GENERAL NOTES	
1. PIT DIMENSIONING & 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	16.9.94 <i>J. Cunningham</i>
CATALOG	PRED
PROJECT	sddgnnew
FILENAME	sd-1141c.dgn

wroads design	3 PROJECT HILL ROAD, CAMERVELL, VICTORIA 3061 PHONE 03 9450 1000 FAX 03 9450 1001
SCALE	HOR NOT TO SCALE
VER	PETRES

STANDARD DRAWING				
END ENTRY PIT				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			SD 1141	C