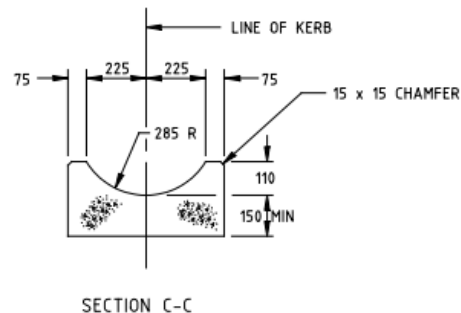
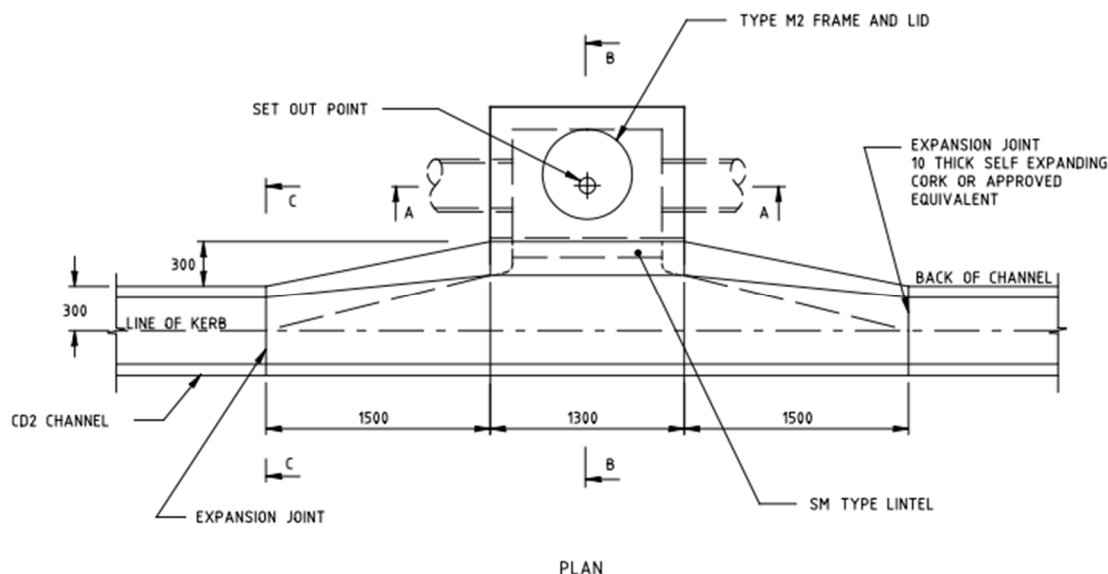


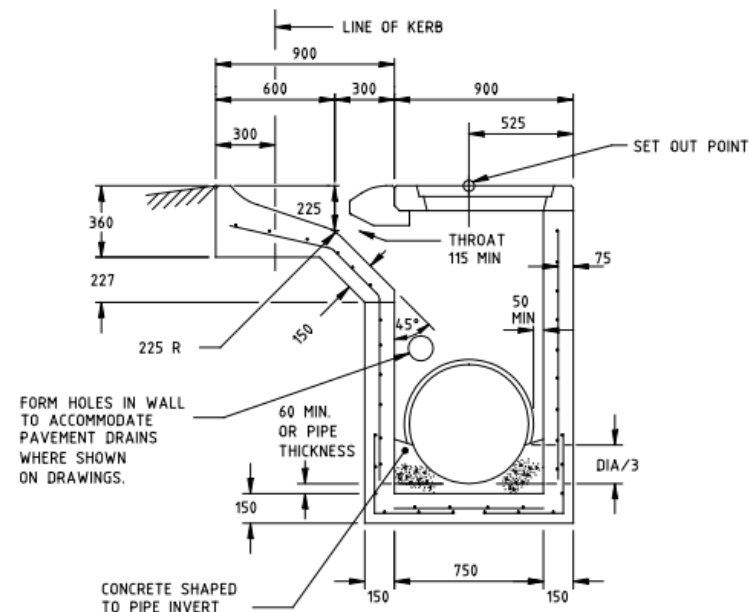
SECTION A-A



SECTION C-C



PLAN



SECTION B-B

NOTES:

1. HAUNCHING MAY BE REQUIRED FOR PIPES OVER 450 DIA REFER TO PIT SCHEDULE FOR SIZES OF SPECIFIC PITS. PITS WITH HAUNCHING IN TWO DIRECTIONS REQUIRE SPECIAL STRUCTURAL DESIGN.
2. 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.
3. PITS DEEPER THAN 1000 SHALL BE FITTED WITH STEP IRONS. REFER SD 1041.
4. 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.
5. CONCRETE FRAMES TO BE SET ON 5 mm OF MORTAR.
6. CD2 CHANNEL SHOULD NOT BE LOCATED ADJACENT TO TRAFFIC LANES.

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.

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ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C	J.K.	1/7/05	AS 1902 & 1904 SUPERSEDED BY AS/NZS 4671. AUSTRALIAN BRIDGE CODE 1994 SUPERSEDED BY AS 5100 BRIDGE CODE.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	SETOUT POINT, COVER, INVERT DEPTH, NOTES 2, 4 & 5, GENERAL NOTE 7, SECTION B-B.

GENERAL NOTES	
1. PIT DIMENSIONING & SETTING OUT DETAILS	SD 1001
2. UNHAUNCHED PITS	SD 1011
3. HAUNCHED PITS	SD 1021
4. STEP IRONS	SD 1041
5. PIT COVERS	SD 1051
6. LINTELS	SD 1061
7. ALL DIMENSIONS ARE IN MILLIMETRES	

DESIGNED	PRINCIPAL ROAD DESIGN ENGINEER
APPROVED	16.9.94 <i>J. Cunningham</i>
CATALOG	PRED
PROJECT	sddgnew
FILENAME	sd-1231c.dgn



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STANDARD DRAWING				
SIDE ENTRY PIT (CD2 CHANNEL)				
ONE METRE INLET				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			SD 1231	C