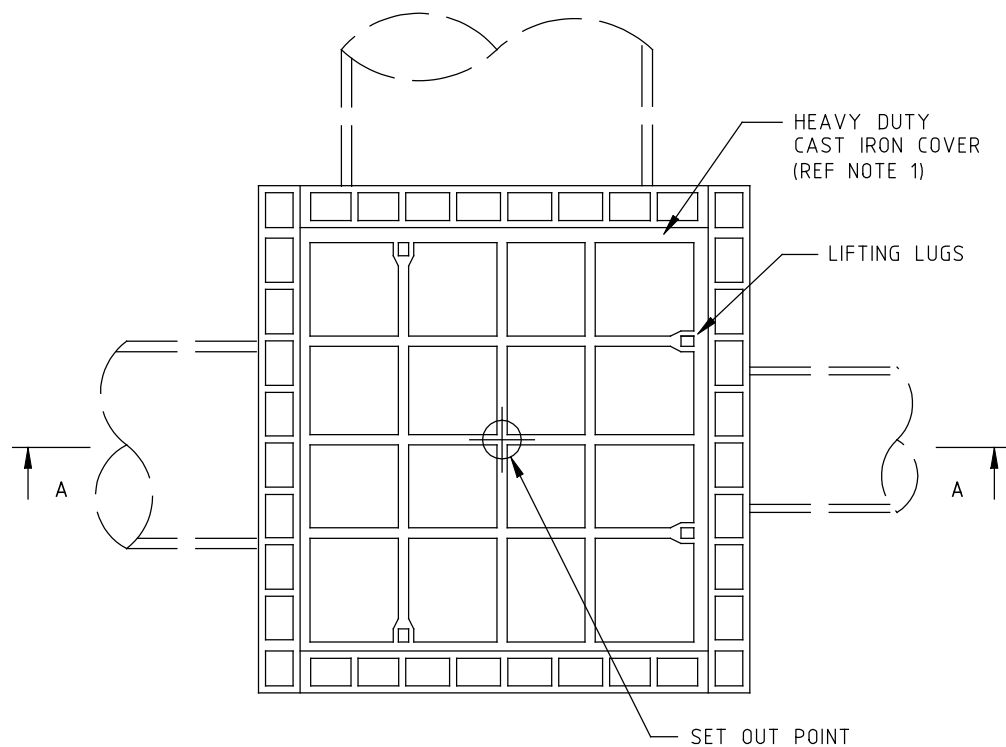


SECTION A-A



PLAN

NOTES:

- CAST IRON COVERS AND FRAMES ARE TO BE USED FOR PITS LOCATED IN OR WITHIN 300 mm OF TRAFFIC LANES. USE EITHER GATIC HEAVY DUTY B144 (750 x 750) OR GATIC HEAVY DUTY H212 CIRCULAR (600 DIA) COVER OR A COVER WITH EQUIVALENT STRENGTH.
- EACH COVER SHALL HAVE WEIGHT AND CAPACITY CLEARLY IMPRINTED ON THE TOP.
- FRAMES MUST HAVE ADEQUATE ANCHORAGE TO ENSURE THAT THEY DO NOT COME LOOSE UNDER TRAFFIC.
- USE 750 x 750 SHAFT SIZE FOR JUNCTION PITS LOCATED IN TRAFFIC LANES.
- USE STANDARD SHAFT SIZE 1000 x 750 FOR PITS LOCATED OUTSIDE TRAFFIC LANES.
- HAUNCHING MAY BE REQUIRED FOR PIPES OVER 450 DIAMETER. REFER TO PIT SCHEDULE FOR SIZES OF SPECIFIC PITS. PITS WITH HAUNCHING IN TWO DIRECTIONS REQUIRE SPECIAL STRUCTURAL DESIGN.
- 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.
- 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 INFILL FOR COVER AND FRAME SHALL BE N32 AT 28 DAYS WITH 10 MAX SIZE AGGREGATE. TAMP AND PENCIL VIBRATE.
- CAST IRON COVER AND FRAME TO BE INSTALLED AS ONE UNIT.

REINFORCEMENT DETAILS

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

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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C	J.K.	1/7/05	AS 1302 & 1304 SUPERSEDED BY AS/NZS 4671 AUSTRALIAN BRIDGE CODE 1996 SUPERSEDED BY AS 5100 BRIDGE CODE
B	J.C.	1/2/98	AMENDMENT TO NOTES 7, 9 & 10, CONCRETE STRENGTH GRADES.
A	J.C.	1/9/94	NOTES 7, 9 & 10, GENERAL NOTE 7, INVERT DEPTH

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. JUNCTION PIT - CONCRETE COVER	SD 1121
7. ALL DIMENSIONS ARE IN MILLIMETRES	

DESIGNED	PRINCIPAL ROAD DESIGN ENGINEER
APPROVED	16.9.94 <i>J. Cunningham</i>
CATALOG PROJECT FILENAME	PREP sddgnnew sd-1031c.dgn

3 PROSPECT HILL ROAD,
 CAMBERWELL,
 VICTORIA, 3124
 PHONE NO. (03) 9811 8355
 FAX NO. (03) 9811 8329

SCALE HOR NOT TO SCALE
OF OF METRES VER

STANDARD DRAWING JUNCTION PIT CAST IRON COVER				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. SD 1131	ISSUE C