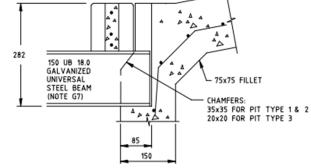


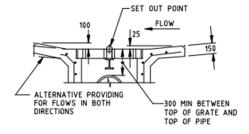
SEE SEATING DETAIL

%SECTION A-A%

ACHIEVE COMPLIANCE.



CROSS BEAM SEATING DETAIL



PART SECTION B-B

PIT TYPE	PIT TOP INTERNAL DIMENSIONS		GRATE BARS	GRATE RECESS DIMENSIONS		LENGTH OF CROSS BEAM
1	1000	750	7	1170	830	910
2	1000	1000 1500	9 13	1170 1170	1065 1540	1160 1660

GRATE AND CROSS BEAM DIMENSIONS

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

- TO PEDESTRIAN, BICYCLE OR REGULAR VEHICULAR TRAFFIC.
- 2. PIT REINFORCEMENT F92. LAPS TO BE 300 MINIMUM. CLEAR COVER TO BE 50 MINIMUM. 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.
- 3. PRECAST UNITS MAY BE CONSTRUCTED TO THE MANUFACTURER'S DETAILS. THE DESIGN SHALL COMPLY WITH THE AS 5100 BRIDGE DESIGN AND 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 mm 2/m.
  - CONCRETE SHALL COMPLY WITH SECTION 610 OF VICROADS SPECIFICATIONS.

## GRATING BARS:-

- G1. 'TOP' SHALL BE STAMPED ON EACH BAR.
- G2. REINFORCEMENT ALL 12 DIA GRADE 410 Y DEFORMED BARS SPOT WELDED TOGETHER. REINFORCEMENT BARS SHALL COMPLY WITH AS 1302 / 1991
- G3. MINIMUM COVER TO GRATING BAR REINFORCEMENT TO BE 12 mm.
- G4. GRATE TO BE ASSEMBLED IN UNITS OF TWO OR THREE BARS.
  - TWO BAR UNIT USE 2 No. M10 DIA.x210 LONG HEX. HD. GALV.BOLTS, NUTS AND WASHERS.
  - THREE BAR UNIT USE 2 No. M10 DIA.x320 LONG HEX. HD. GALV. BOLTS, NUTS AND WASHERS.
- GS. CONCRETE STRENGTH GRADE SHALL BE N40 OR HIGHER TO COMPLY WITH THE REQUIREMENTS AS 1379.
- G6. ALL DIMENSIONS SHALL BE ACCURATE TO ± 2 mm.
- G7. A PAIR OF BARS HAVE A WHEEL LOAD CAPACITY OF 50 kN. FOR HEAVIER LOADS USE A SUPPORTING BEAM MIDSPAN (SEE DETAILS).

Ĺ	Е				GENERAL NOTES	DESIGNED PRINCIPAL ROAD		STANDARD DRAWING
E	D	J.K.	1/1/05	AS 1902 & 1904 SUPERSEDED BY AS/NZS 4471. AUSTRALIAN BRIDGE CODE 1996 SUPERSEDED BY AS 5100 BRIDGE CODE	1. STANDARD PITS DIMENSIONING & SETTING OUT DETAILS SD 1001 2. UNHAUNCHED PITS SD 1011	APPROVED 23.9.94	S PROSPECT HELL ROAD, CAMBERMELL, VETORAL STEE	GRATED PIT
3 L	C	J. C.		AMENDMENT TO NOTE 2 & GRATING BARS GS, CONCRETE STRENGTH GRADES	15. NAONCHED F115 5D 1021		ENGINEERING & TECHNOLOGY CONSULTANTS PAX NO. 223 9411 6529	
58	В	J. C.	1/7/95	STEEL CROSS BEAM UPDATED	4. STEP IRONS SD 1041 5. ALL DIMENSIONS ARE IN MILLIMETRES			CONCRETE GRATE
35	Α	J. C.	1/9/94	GENERAL NOTE 5, NOTES 2, 3, G5 & G74	2. ALE PITERSONS THE IN TREE THES	CATALOG PRED PROJECT sddgnnew	SCALE HOR NOT TO SCALE	FILE NO.   CONTRACT NO.   SHEET NO.   DRAWING NO.   ISSUE
2 × 1	SSUE	APP'D	DATE	AMENDMENT		FILENAME sd-1421d.dgn	METRES VER	SD 1421   D