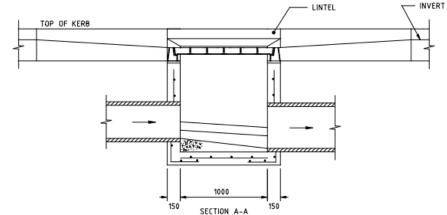


DISCLAIMER (APRIL '23): THIS DRAWING IS IN THE PROCESS OF BEING UPDATED. FOR ALL STRUCTURAL REQUIREMENTS REFER <u>BRIDGE TECHNICAL NOTE</u> (BTN) 033: STRUCTURAL REQUIREMENTS FOR REINFORCED CONCRETE DRAINAGE PITS. GEOMETRIC DIMENSIONS SHOWN ON THIS DRAWING MAY BE USED AS A GUIDE AND MODIFIED WHERE NECESSARY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



NOTES:

- 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. LAPS TO BE 300 MINIMUM. CLEAR COVER TO BE 50 MINIMUM. CORNER RETURN REINFORCEMENT MAY BE FABRIC OR FOUNTALENT 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. REF SD 1041.
- CAST IRON COVER SUBJECT TO HEAVY VEHICLE LOADING ARE REQUIRED TO SUPPORT A TEST LOAD OF 210 kN IN ACCORDANCE WITH VICROADS' "INTERIM TEST METHOD FOR TEST LOADING PIT COVERS, LINTELS AND LIDS."
- 5. CAST IRON COVER AND FRAME TO BE INSTALLED AS ONE UNIT.
- CONCRETE INFILL FOR COVER AND FRAME SHALL BE N32 AT 28 DAYS, WITH 10 MAX SIZE AGGREGATE. TAMP AND PENCIL VIBRATE.
- 7. EACH COVER SHALL HAVE WEIGHT AND CAPACITY CLEARLY IMPRINTED ON
- 8. 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 kPα.
 - 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 BE NORMAL-CLASS N32 STANDARD STRENGTH GRADE OR HIGHER COMPLYING WITH THE REQUIREMENTS OF AS 1379. EXPOSURE CLASSIFICATIONS UP TO AND INCLUDING B1.

	Ε				GENERAL NOTES	DESIGNED PRINCIPAL ROAD		STANDARD DRAWING
₹.	D				1, STANDARD PIT DIMENSIONING & SETTING OUT DETAILS SD 1001 2. UNHAUNCHED PITS SD 1011	DESIGN ENGINEER	3 PROSSPECT HILL ROAD, CAMBORVELL, WCTORIA, 3704	SIDE ENTRY PIT (B TYPE KERB)
3	C	J.K.	1/7/05	AS 1302 & 1304 SUPERSEDED BY AS/NZS 4671. AUSTRALIAN BRIDGE CODE 1996 SUPERSEDED BY AS 5100 BRIDGE CODE	3. HAUNCHED PITS SD 1021	APPROVED 23.9.94 VICTORIS CIO	TETOGE CONGINERS	
5.8	В	J. C.	1/2/98	AMENDMENT TO NOTES 2, 6 & 8, CONCRETE STRENGTH GRADES.	4. STEP IRONS SD 1041 5. LINTELS SD 1061	J'ammy com.	ENGINEERING & TECHNOLOGY CONSULTANTS	CAST IRON COVER IN ROAD – ONE METRE INLET
3825	Α	J. C.	1/9/94	GEN. NOTE 6, NOTES 2, 4, 6, 8 & 9, SECTION 8-8, INVERT DEPTH, SETOUT POINT	6. ALL DIMENSIONS ARE IN MILLIMETRES	PROJECT Sddgnnew	SCALE HOR NOT TO SCALE	FILE NO. CONTRACT NO. SHEET NO. DRAWING NO. ISSUE
£ 8	ISSUE	APP'D	DATE	AMENDHENT		FILENAME sd-1282c.dgn	METRES VER	SD 1282 C