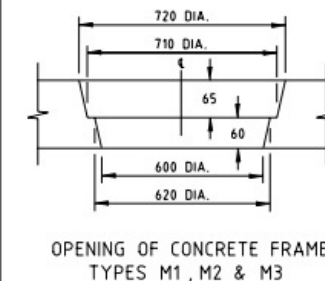
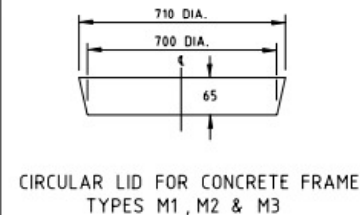
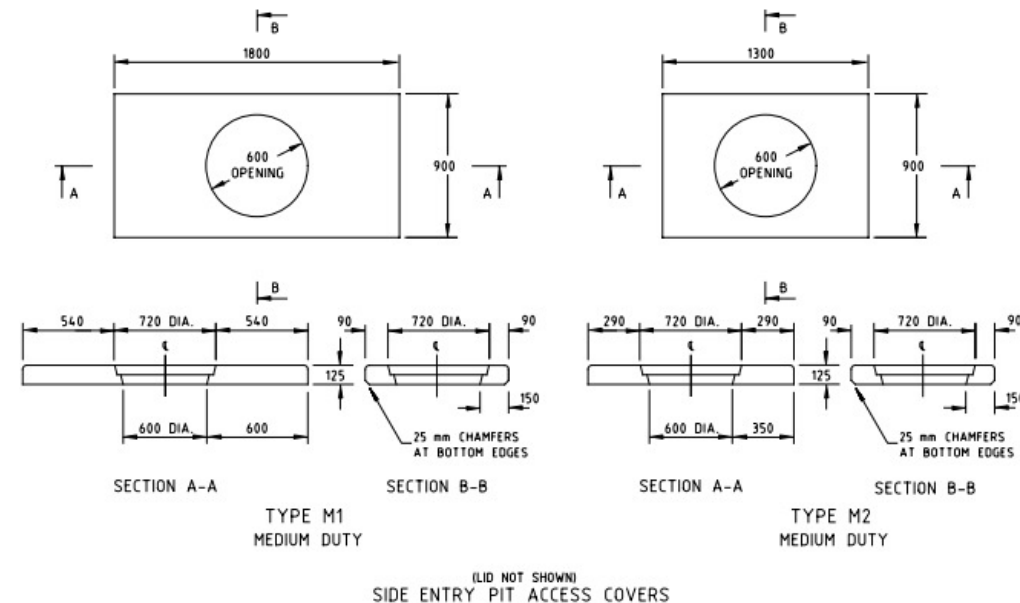
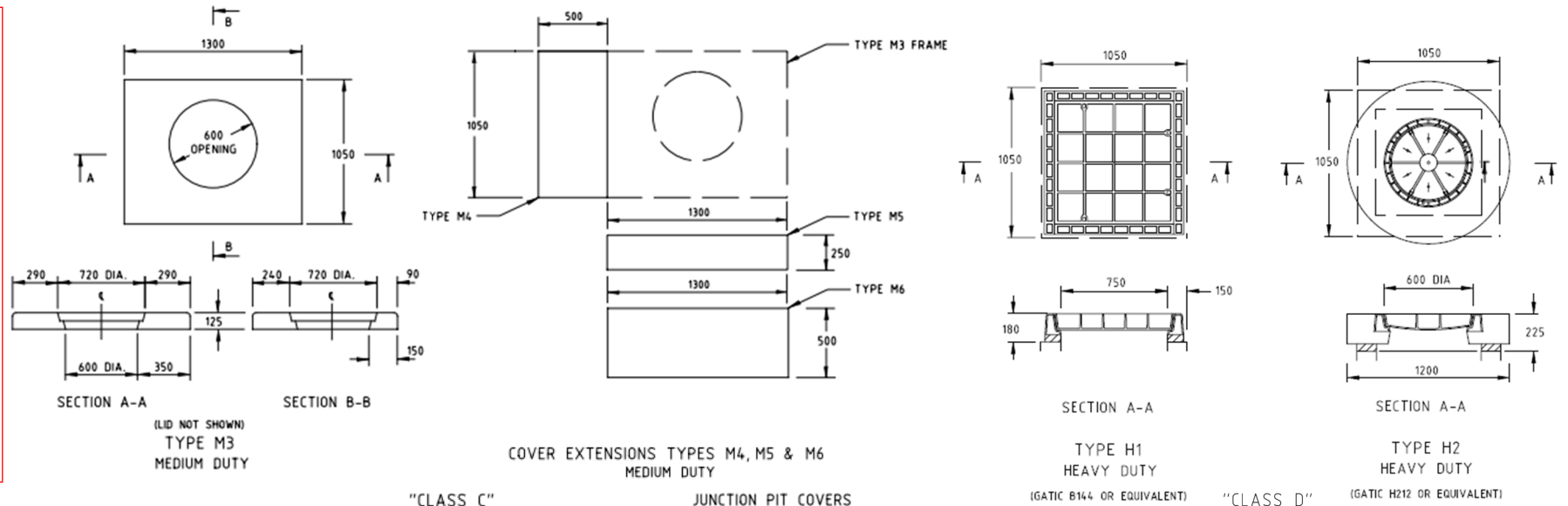


DISCLAIMER (APRIL '23):
THIS DRAWING IS IN THE
PROCESS OF BEING UP-
DATED.
FOR ALL STRUCTURAL
REQUIREMENTS REFER
BRIDGE TECHNICAL NOTE
(BTN) 033: STRUCTURAL
REQUIREMENTS FOR REIN-
FORCED CONCRETE
DRAINAGE PITS.
GEOMETRIC DIMENSIONS
SHOWN ON THIS DRAW-
ING MAY BE USED AS A
GUIDE AND MODIFIED
WHERE NECESSARY TO
ACHIEVE COMPLIANCE.



- NOTES:
- HEAVY DUTY COVERS SHALL BE USED IN TRAFFIC LANES. MEDIUM DUTY COVERS ARE FOR SHOULDERS AND OFF ROAD USE.
 - COVERS ARE REQUIRED TO SUPPORT THE FOLLOWING TEST LOADS IN ACCORDANCE WITH AS 3996 AND WITH VICROADS INTERIM TEST METHOD FOR TEST LOADING PIT COVERS, LINTELS & LIDS.
HEAVY DUTY: - LID AND FRAME, INCLUDING CONCRETE SURROUND - 210 kN
MEDIUM DUTY: - CONCRETE FRAME - 100 kN
- CONCRETE COVER EXTENSION - 100 kN
- CONCRETE LID - 60 kN
ALTERNATIVE MATERIALS MAY BE CONSIDERED, HOWEVER THEY NEED TO BE APPROVED AND MEET THE REQUIREMENTS OF AS 3996.
 - STEEL REINFORCEMENT SHALL COMPLY WITH SECTION 611 OF VICROADS SPECIFICATION.
 - CONCRETE SHALL BE CONCRETE GRADE N40 COMPLYING WITH SECTION 610 OF VICROADS SPECIFICATION, EXPOSURE CLASSIFICATIONS UP TO AND INCLUDING B1.
 - MINIMUM CLEAR COVER TO REINFORCEMENT 25 mm FOR PRECAST CONCRETE UNITS.
 - ALL LIDS SHALL HAVE WEIGHT AND CAPACITY IMPRINTS. FOR CONCRETE LIDS, THE LETTERING SIZE SHALL BE 25 mm WITH THE WORD 'DRAIN' IMPRINTED ABOVE WEIGHT AND CAPACITY.
 - ALL LIDS SHALL FIT FLUSH AND HAVE PROVISION FOR LIFTING. CONCRETE LIDS SHALL HAVE TWO LIFTING HOLES OF 25 x 50 mm.
 - ANCHORAGE MUST BE PROVIDED TO ENSURE THAT FRAMES AND LIDS DO NOT COME LOOSE UNDER TRAFFIC.
 - SPECIAL COVERS ARE REQUIRED FOR SOME PITS (eg SD 1281).
 - ALL EXPOSED EDGES OF CONCRETE FRAMES AND LIDS SHALL BE ROUNDED OR CHAMFERED (NO FINIS OR CHIPS).
 - CONCRETE FRAMES ARE TO BE SET ON 5 mm MORTAR.
 - JUNCTION PIT COVERS LARGER THAN TYPE M3 MAY BE CONSTRUCTED AS AN INTEGRAL UNIT OR EXTENDED USING UNITS M4, M5 AND M6 AS SHOWN BELOW. THE EXTENSION UNITS SHALL FIT FLUSH WITH THE TYPE M3 COVER.

JUNCTION PIT SIZE (INTERNAL DIMENSIONS)	COMBINATION OF COVER TYPES.
750 x 750	M3, H1 OR H2
750 x 1000	M3
750 x 1500	M3 + M4
750 x 2000	M3 + 2 x M4
1000 x 1000	M3 + M5
1000 x 1500	M3 + M5 + M6
1000 x 2000	M3 + M5 + 2 x M6

2/9/2018 10:01:00 AM sd-1051d.dgn	E					GENERAL NOTES 1. UNHAUNCHED PITS 2. HAUNCHED PITS 3. ALL DIMENSIONS ARE IN MILLIMETRES 4. AS 3996 ACCESS COVERS & GRATES CLASS A, B, C, D, F & G 5. AS 3600 CONCRETE STRUCTURES	SD 1011 SD 1021	TECHNICAL CONSULTING	DESIGNED PRINCIPAL ROAD DESIGN ENGINEER		STANDARD DRAWING PIT COVERS				
	D	R.F.	1/9/10	AMENDMENT TO NOTE 2 & 6											
	C	J.K.	1/7/05	GENERAL NOTE 4 ADDED AND CLASSES ADDED											
	B	J.C.	1/2/98	AMENDMENT TO NOTE 4, CONCRETE STRENGTH GRADES.											
	A	J.C.	1/9/94	RE-DRAWN, RECTANGULAR LID DELETED, COVER TYPE CHANGED											
	ISSUE	APP'D	DATE	AMENDMENT											
	3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA, 3124 PHONE (03) 9811 8355 FAX (03) 9811 8329							CAT: PRED PROJ: sddgnnew FILE: sd-1051d.dgn	HOR SCALE OF METRES NOT TO SCALE	FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. SD 1051	ISSUE D	