

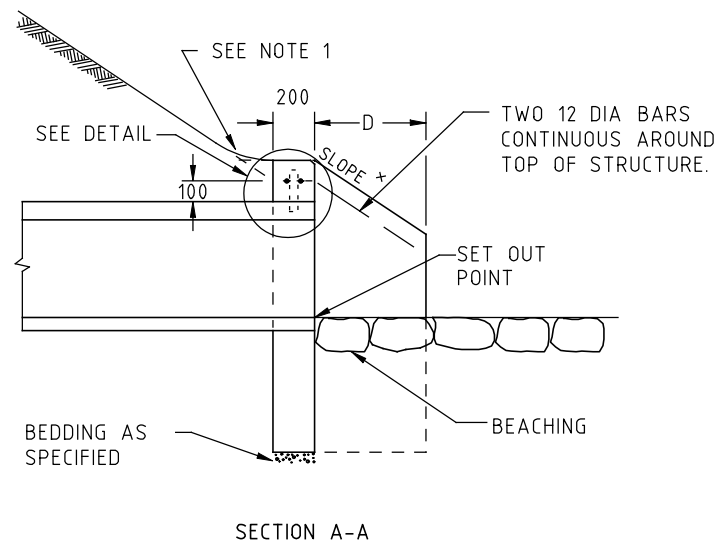
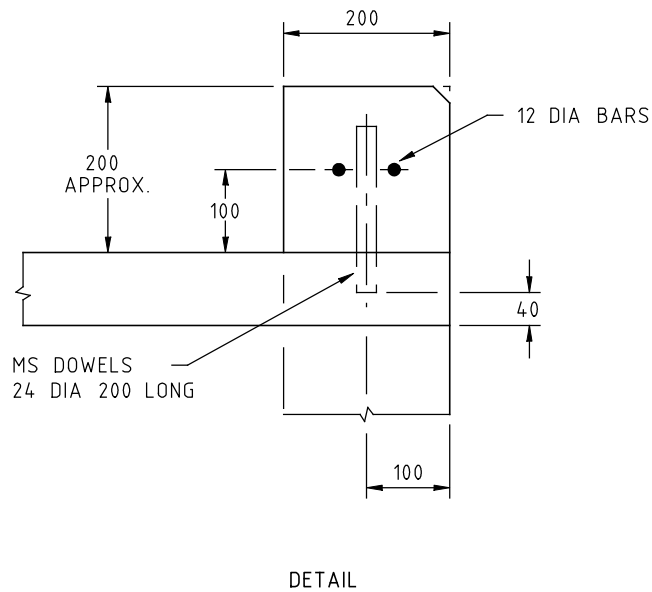
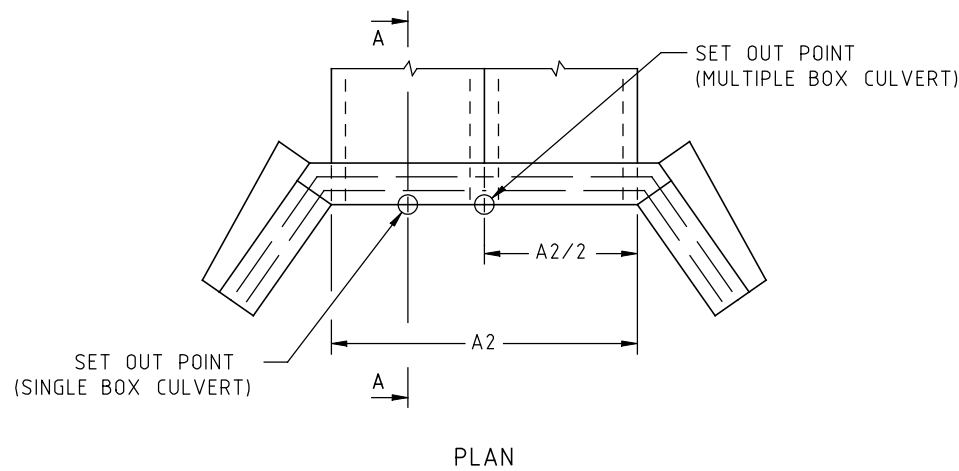
DIMENSIONS

NOM WIDTH (w)	NOM HEIGHT (h)	A ^{xx}	H	K	L	TYPE 1 * SLOPE AT 1.5:1				TYPE 2 * SLOPE AT 2:1				TYPE 3 * SLOPE AT 3:1			
						B	C	D	F	B	C	D	F	B	C	D	F
600	450	737	757	180	134	375	1487	536	654	500	1737	714	872	750	2237	1071	1307
750	450	889	762	180	134	380	1649	543	663	507	1903	724	884	760	2410	1086	1326
750	600	889	915	215	144	541	1971	773	943	721	2331	1030	1257	1082	3053	1545	1886
900	450	1067	767	180	133	385	1838	551	672	514	2095	734	896	771	2609	1101	1344
900	600	1067	920	215	144	546	2159	780	952	728	2523	1040	1270	1092	3252	1560	1904
900	750	1067	1073	255	155	707	2481	1010	1232	942	2952	1346	1643	1414	3894	2019	2465
1200	450	1372	778	180	132	397	2166	567	692	529	2431	756	923	794	2960	1134	1384
1200	600	1372	931	215	143	558	2487	797	972	744	2859	1062	1296	1115	3603	1593	1945
1200	900	1372	1235	300	167	877	3126	1253	1529	1169	3711	1670	2039	1754	4880	2505	3058

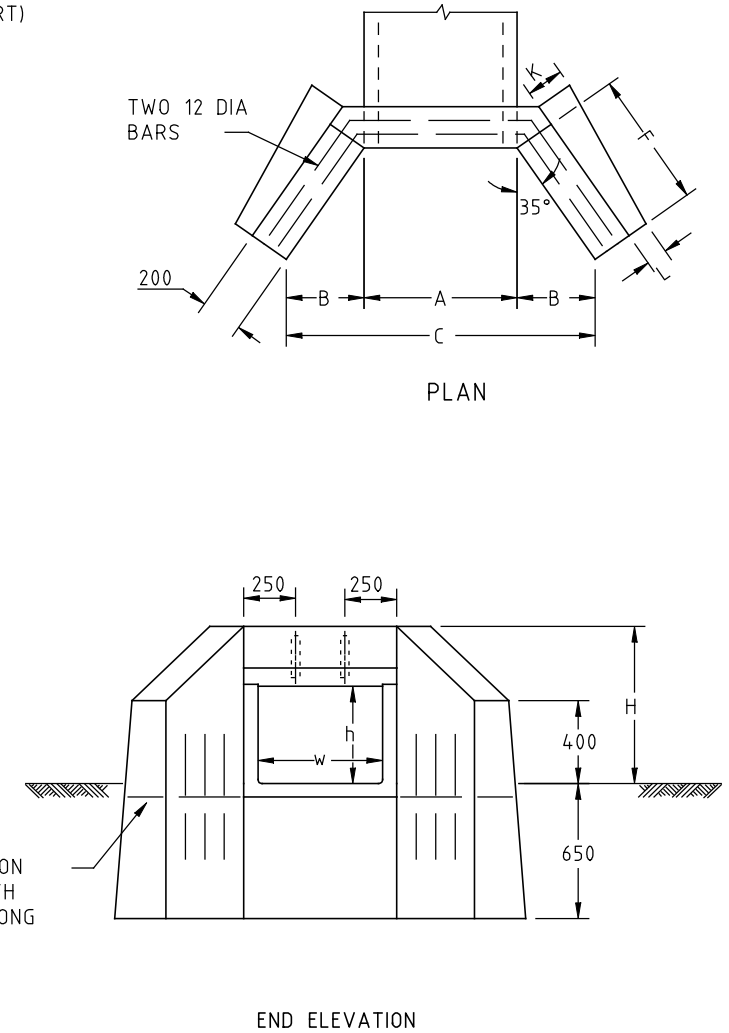
NOTES:

- BECAUSE THE RELATION OF THE BATTER TO THE TOP OF THE ENDWALL IS ESSENTIAL FOR THE SAFETY OF THE MOTORIST, THE DETAILS AS SHOWN IN SECTION A-A MUST BE ADHERED TO DURING CONSTRUCTION.
- REINFORCEMENT BARS SHALL COMPLY WITH AS/NZS 4671, GRADE 400Y. LAPS IN REINFORCEMENT BARS SHALL BE 300 MIN, AND CLEAR COVER 50 MIN.
- EXPOSED EDGES SHALL HAVE 20 x 20 CHAMFERS.
- COMPACTION PRESSURE BEHIND WALLS NOT TO EXCEED 15 kPa. (1.5 TONNE VIBRATORY ROLLER OR 300 kg VIBRATING PLATE WITHIN 0.5m OF WALL).
- REFER TO SD 1842 FOR QUANTITIES
- 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.
- DOWEL BARS SHALL COMPLY WITH AS 3679 PART 1, GRADE 250.
- CONCRETE AGGREGATES SHALL COMPLY WITH TABLE 701.021 OF VICROADS STANDARD SPECIFICATION SECTION 701.
- ENDWALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT PROVISIONS OF AS 3600.

* THEORETICAL SLOPE OF WINGWALL MEASURED AT RIGHT ANGLES TO THE ROADWAY.
 ** A2=A+A



OPTIONAL CONSTRUCTION JOINT REINFORCED WITH 3x12 DIA BARS 600 LONG 50 FROM REAR FACE.



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ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C	J.K.	1/7/05	NOTES 2 & 7 AMENDED
B	J.C.	1/2/98	AMENDMENT TO NOTE 6, NOTES 8 & 9 ADDED, CONCRETE STRENGTH GRADE
A	J.C.	1/2/95	NOTES 2, 5, 6 & 7, GENERAL NOTES 1 & 2

GENERAL NOTES	
1.	ALL DIMENSIONS ARE IN MILLIMETRES.
2.	CULVERT INLET AND OUTLET STRUCTURES - SELECTION GUIDE

DESIGNED	PRINCIPAL ROAD DESIGN ENGINEER	 3 PROSPECT HILL ROAD, CAMBERWELL, VICTORIA, 3124 PHONE NO. (03) 9811 8355 FAX NO. (03) 9811 8329
APPROVED	1.2.95	
CATALOG PROJECT FILENAME	PRED sddgnnew sd-1841c.dgn	SCALE OF METRES
		HOR VER NOT TO SCALE

STANDARD DRAWING				
MASS CONCRETE WINGWALL				
TYPES 1, 2 & 3				
BOX CULVERTS 450 TO 900 HIGH				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			SD 1841	C