

DIMENSIONS

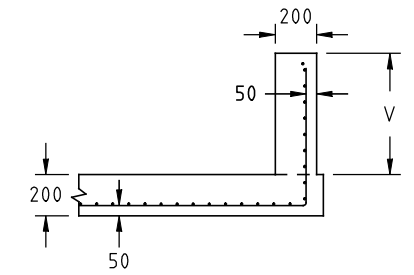
NOM WIDTH (w)	NOM HEIGHT (h)	A ^{xx}	H	TYPE 1 * SLOPE AT 1.5:1				TYPE 2 * SLOPE AT 2:1				TYPE 3 * SLOPE AT 3:1			
				B	C	D	F	B	C	D	F	B	C	D	F
375	225	483	519	125	733	179	218	167	817	238	291	250	983	357	436
450	225	559	519	125	809	179	218	167	892	238	291	250	1059	357	436
450	300	559	595	205	969	293	357	273	1105	390	476	410	1378	585	714
600	225	737	529	135	1008	194	236	181	1098	258	315	271	1279	387	472
600	300	737	605	215	1168	308	375	287	1311	410	501	431	1598	615	751
600	450	737	757	375	1487	536	654	500	1737	714	872	750	2237	1071	1307
750	300	889	610	221	1330	315	385	294	1477	420	513	441	1771	630	769
750	450	889	762	380	1649	543	663	507	1903	724	884	760	2410	1086	1326
900	300	1067	615	226	1519	323	394	301	1669	430	525	452	1970	645	787
900	450	1067	767	385	1838	551	672	514	2095	734	896	771	2609	1101	1344
1200	300	1372	626	237	1847	339	414	316	2005	452	552	475	2321	678	828
1200	450	1372	778	397	2166	567	692	529	2431	756	923	794	2960	1134	1384

* THEORETICAL SLOPE OF WINGWALL MEASURED AT RIGHT ANGLES TO THE ROADWAY.

xx A2=A+A

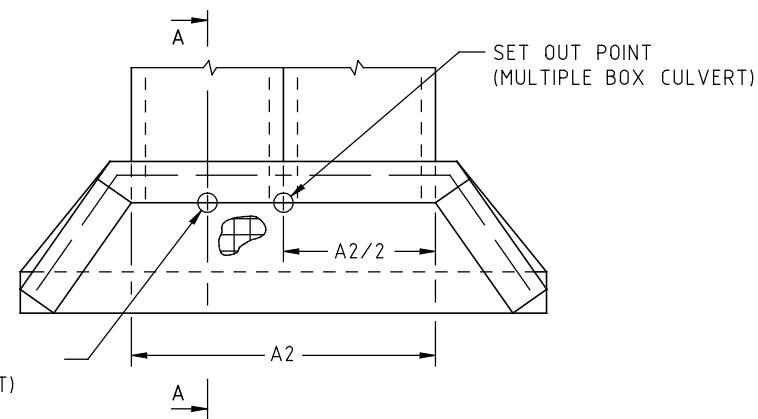
NOTES:

- 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 FABRIC SHALL COMPLY WITH AS/NZS 4671, UNLESS OTHERWISE SPECIFIED, REINFORCEMENT FABRIC SHALL BE F81 AND CONTINUOUS AROUND CORNERS AND LOCATED AS SHOWN ON SECTIONS A-A AND B-B. CLEAR COVER 50 MIN., LAPS 300 MIN.
- REINFORCEMENT BARS SHALL COMPLY WITH AS/NZS 4671, GRADE 400Y. CLEAR COVER 50 MIN., LAPS 25 x BAR DIAMETER MIN.
- 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.
- 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 1972 FOR QUANTITIES
- 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.

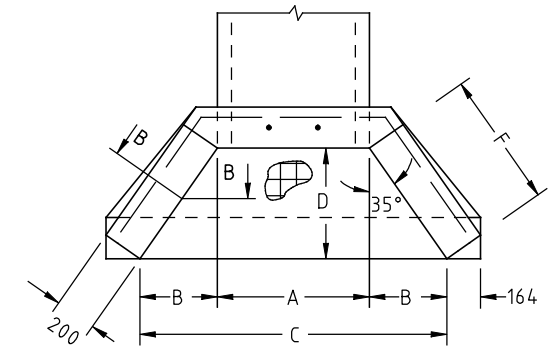


SECTION B-B

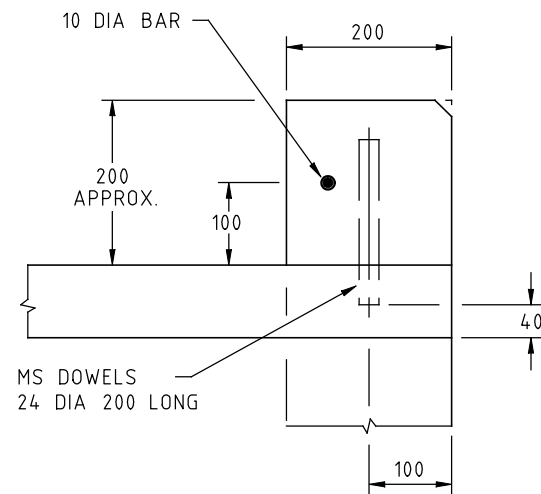
V = VARIABLE HEIGHT OF THE WINGWALL



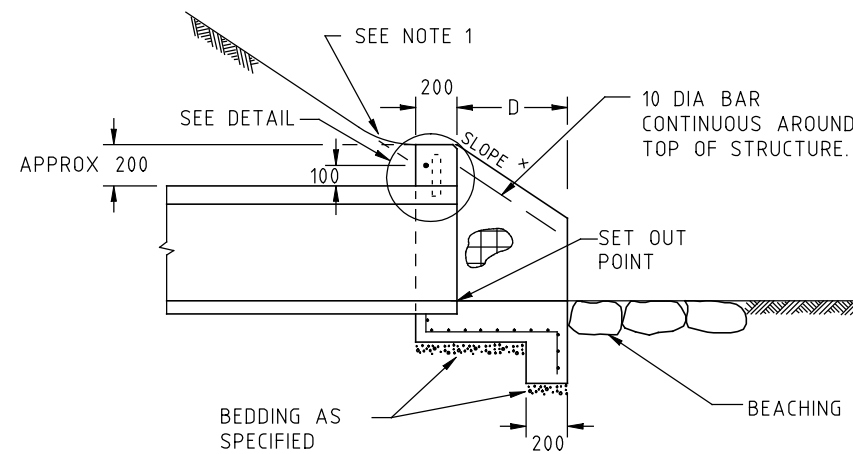
PLAN



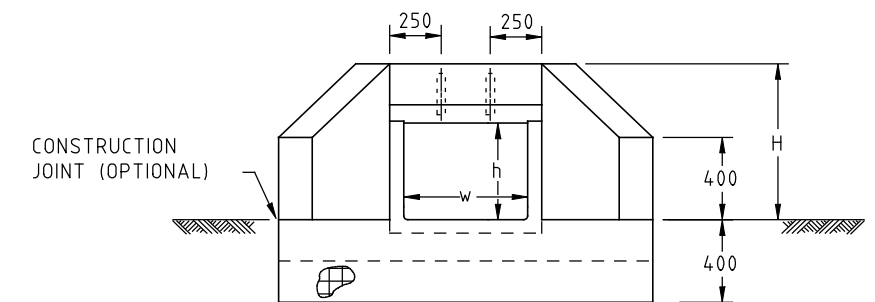
PLAN



DETAIL



SECTION A-A




END ELEVATION

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C	J.K.	1/7/05	NOTES 2 & 3 AMENDED
B	J.C.	1/2/98	AMENDMENT TO NOTE 4, NOTES 8 & 9 ADDED, CONCRETE STRENGTH GRADES
A	J.C.	1/2/95	DRAWING SUBTITLE, NOTES 2, 3, 4 & 7, GENERAL NOTES 1 & 2, DIMENSIONS A AND C OF 375 x 225 CULVERT AMENDED.

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

SD 1700

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 <i>J. Cunningham</i>	
CATALOG PROJECT FILENAME	PRED sddgnew sd-1971c.dgn	SCALE HOR OF METRES VER NOT TO SCALE

STANDARD DRAWING				
REINFORCED CONCRETE WINGWALL				
TYPES 1, 2 & 3				
BOX CULVERTS 225 TO 450 HIGH				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			SD 1971	C