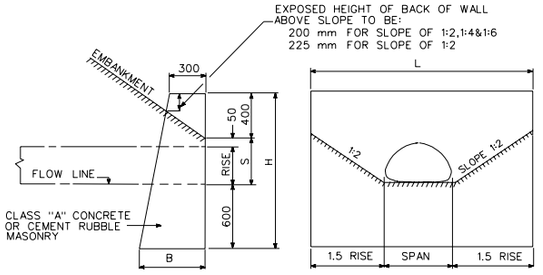
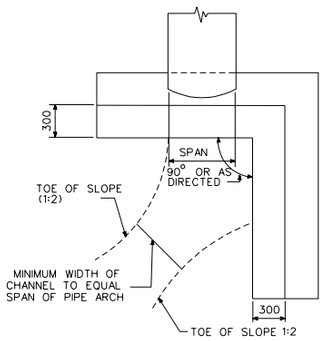


WALL AT TOE OF SLOPE

FRONT ELEVATION

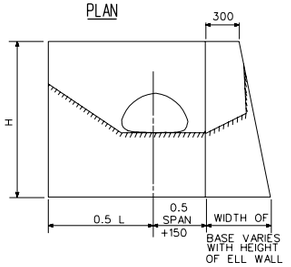
DIMENSIONS AND VOLUME FOR EACH ENDWALL BASED ON S=RISE + 50 mm							
SPAN	RISE	S	H	L	BATTER	B	VOL.
mm	mm	mm	mm	mm	v:h	mm	m^3
430	330	380	1380	1570	5:1	580	0.9
530	380	430	1430	1820	5:1	590	1.1
610	460	510	1510	2140	5:1	600	1.3
710	510	560	1560	2390	5:1	610	1.6
885	610	660	1660	2865	5:1	630	2.1
1060	740	790	1790	3430	5:1	640	2.6
1240	840	890	1890	3910	4:1	660	3.2
1440	970	1020	2020	4500	4:1	770	4.0
1620	1100	1150	2150	5070	4:1	810	5.0
1800	1200	1250	2250	5550	4:1	840	5.8
VOLUME OF PIPE-ARCH INCLUDING WALL THICKNESS HAS BEEN DEDUCTED FOR ENDWALL VOLUME COMPUTATION.							

STANDARD ENDWALL FOR PIPE-ARCH

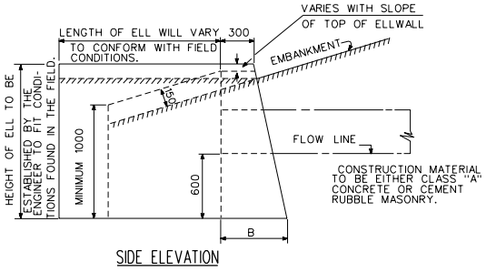


PLAN

DIMENSIONS					
SPAN	RISE	H	0.5 L	BATTER	B
mm	mm	mm	mm	v:h	mm
430	330	1390	725	5:1	580
530	380	1430	850	5:1	590
610	460	1470	1000	5:1	600
710	510	1550	1130	5:1	610
885	610	1630	1375	5:1	630
1060	740	1710	1650	5:1	640
1240	840	1790	1890	5:1	660
1440	970	1870	2185	4:1	770
1620	1100	2020	2425	4:1	810
1800	1200	2170	2665	4:1	840

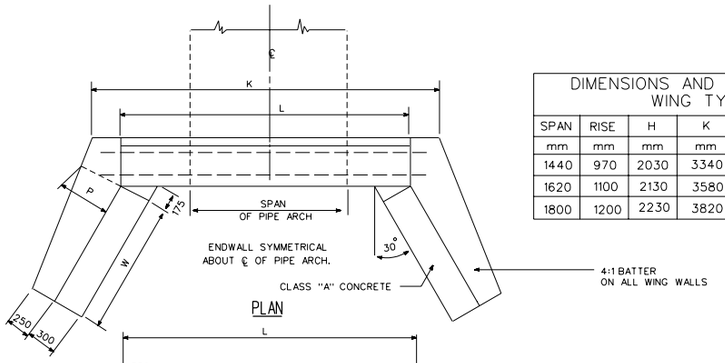


FRONT ELEVATION



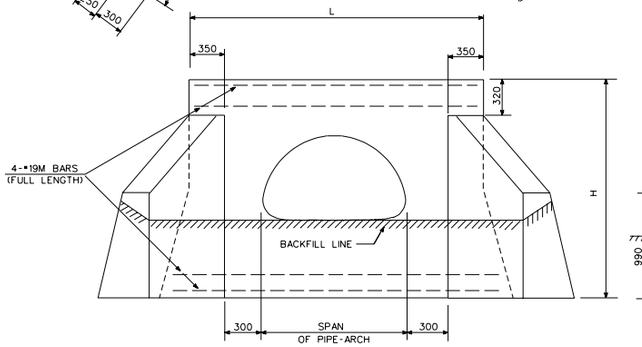
SIDE ELEVATION

TYPE "L" ENDWALL FOR PIPE-ARCH

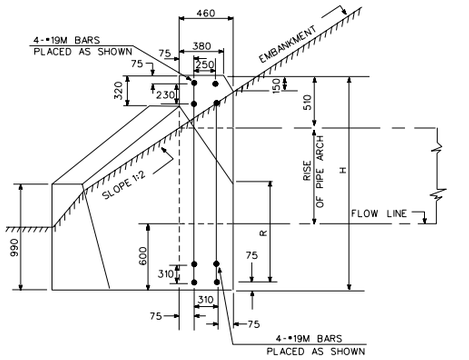


PLAN

DIMENSIONS AND VOLUME FOR EACH WING TYPE ENDWALL								
SPAN	RISE	H	K	L	P	R	W	VOL.
mm	mm	mm	mm	mm	mm	mm	mm	m^3
1440	970	2030	3340	2790	430	1040	1670	4.6
1620	1100	2130	3580	2970	455	1140	1905	5.4
1800	1200	2230	3820	3140	480	1240	2140	6.5



FRONT ELEVATION



SIDE ELEVATION

STANDARD WING TYPE ENDWALL FOR PIPE-ARCH

NOTES:

1. ALL CONSTRUCTION DIMENSIONS ARE NOMINAL.
2. ENDWALLS TO BE CONSTRUCTED ONLY IN LOCATIONS WHERE THEY WILL NOT BE A ROADSIDE HAZARD. REFER TO CONN.D.O.T. "GUIDELINES FOR HIGHWAY DESIGN" AND AASHTO "ROADSIDE DESIGN GUIDE".
3. EXPOSED FACES ARE TO BE CHAMFERED APPROXIMATELY 25 mm.
4. COST OF REINFORCING BARS TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CLASS "A" CONCRETE.
5. DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT AS NOTED.

DATE: 12-02-97

ENDWALLS FOR PIPE-ARCH

M506-B