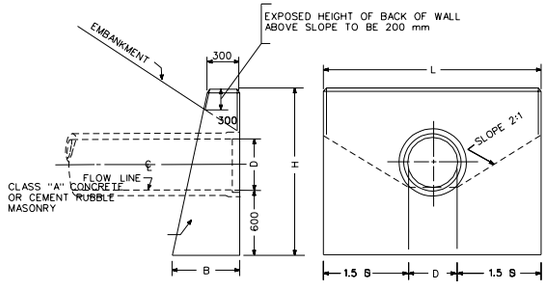


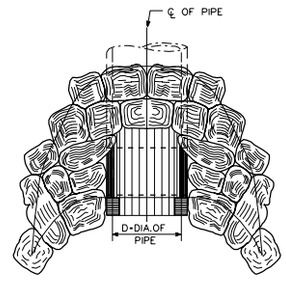
WALL AT TOE OF SLOPE

FRONT ELEVATION

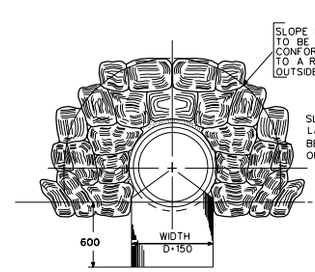
STANDARD ENDWALL

DIMENSIONS AND QUANTITIES FOR ONE STANDARD ENDWALL BASED ON S = D + 50						
D	S	H	L	BATTER	B	VOL.
mm	mm	mm	mm	v:h	mm	m^3
300	350	1350	1350	5:1	570	0.8
375	425	1425	1650	5:1	590	1.0
400	450	1450	1750	5:1	590	1.1
450	500	1500	1950	5:1	600	1.4
600	650	1650	2550	5:1	630	2.1
750	800	1800	3150	5:1	660	2.7
800	850	1850	3350	5:1	670	2.9
900	950	1950	3750	4:1	790	4.2
1000	1050	2050	4150	4:1	810	4.7 *
1050	1100	2100	4350	4:1	820	4.9 *
1200	1250	2250	4950	4:1	860	6.1 *

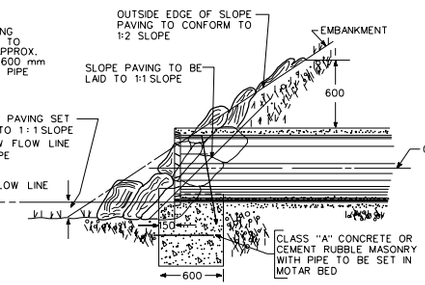
* VOLUME BASED ON "D" AND WALL THICKNESS AT ℄ OF PIPE BEING DEDUCTED



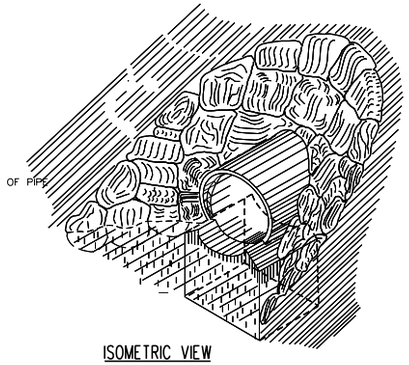
PLAN



FRONT ELEVATION



SECTION

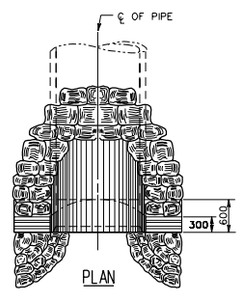


ISOMETRIC VIEW

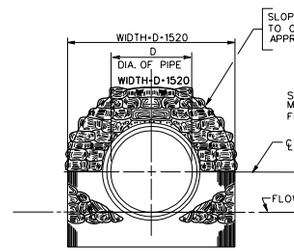
TABLE WITH QUANTITIES		
D	VOLUME OF FOOTING	SLOPE * PAVING
mm	m^3	m^2
375-400	0.20	2.7
450	0.23	2.9
600	0.28	3.3
750-800	0.34	3.8

* APPROXIMATE QUANTITY FOR MINIMUM CONDITION

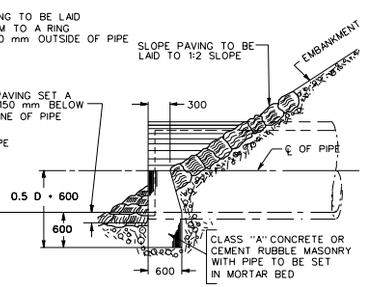
FOOTING & SLOPE PAVING FOR PIPES 375 mm TO 800 mm DIAMETER



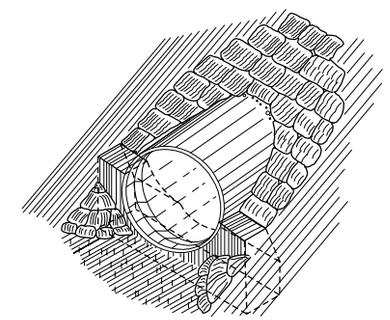
PLAN



FRONT ELEVATION



SIDE ELEVATION

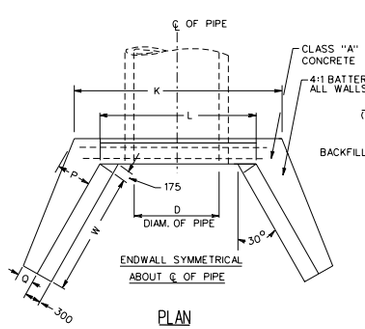


ISOMETRIC VIEW

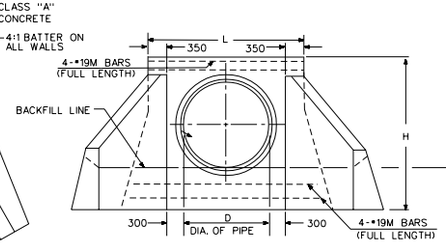
TABLE WITH QUANTITIES		
D	VOLUME OF FOOTING	SLOPE * PAVING
mm	m^3	m^2
900	1.2	3.9
1000-1050	1.3	4.5
1200	1.4	5.1
1500-1600	1.6	6.4
1800	1.8	7.8

* APPROXIMATE QUANTITY FOR MINIMUM CONDITION

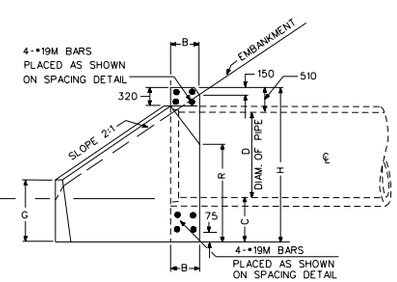
FOOTING & SLOPE PAVING FOR PIPES 900 mm TO 1800 mm DIAMETER



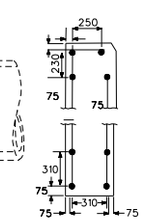
PLAN



FRONT ELEVATION



SIDE ELEVATION



DETAIL OF BAR SPACING

DIMENSIONS AND QUANTITIES FOR ONE WING TYPE ENDWALL											
D	B	C	G	H	K	L	P	Q	R	W	VOL.
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	m^3
900	460	610	990	2030	2780	2200	430	250	1040	1670	4.5
1000	460	610	990	2180	3010	2300	470	250	1180	2030	5.1
1050	460	610	990	2180	3010	2350	470	250	1180	2030	5.1
1200	480	760	1140	2490	3300	2500	540	290	1450	2380	7.0
1500	480	760	1140	2790	3770	2800	620	290	1750	3080	9.5
1600	480	760	1140	2790	3770	2900	620	290	1750	3080	9.5
1800	480	760	1140	3100	4230	3100	690	290	2060	3790	12.5

STANDARD WING TYPE ENDWALL

REINFORCEMENT TO BE PLACED FOR 1200 mm PIPE AND UP

NOTES:

1. ALL CONSTRUCTION DIMENSIONS ARE NOMINAL.
2. ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT AS NOTED.
3. WHEN ONE ENDWALL IS TO BE USED FOR TWO PIPES, THE DIMENSIONS OF THAT ENDWALL SHALL CONFORM TO THAT REQUIRED FOR THE LARGER PIPE, EXCEPT THE DIMENSION "L" SHALL BE INCREASED BY THE OUTSIDE DIAMETER OF THE SMALLER PIPE PLUS 300 mm.
4. THESE ENDWALLS WILL BE USED ONLY AT LOCATIONS WHERE THEY WILL NOT BE A HAZARD TO VEHICLES THAT RUN OFF THE ROAD. IN NO CASE WILL THE LOCATION BE WITHIN THE CLEAR ZONE. SEE CONNECTICUT DESIGN MANUAL.
5. ALL REBARS ARE METRIC DESIGNATIONS.
6. ALL EDGES OF EXPOSED SURFACES TO BE CHAMFERED APPROX. 25 mm.
7. COST OF REINFORCING BARS TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CLASS "A" CONCRETE.

DATE: 11-20-97

ENDWALLS, SLOPE PAVED INLETS AND OUTLETS

M506