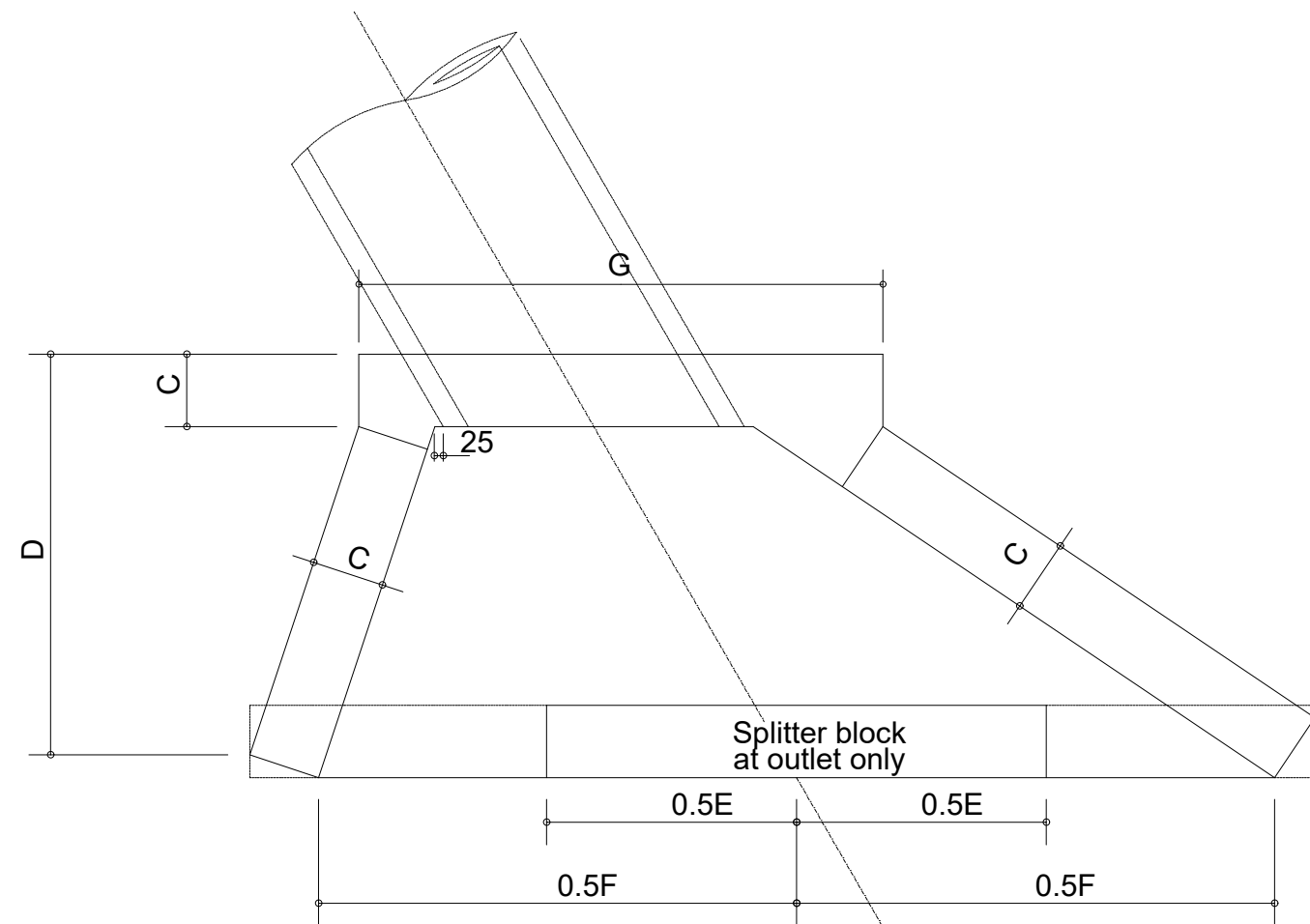
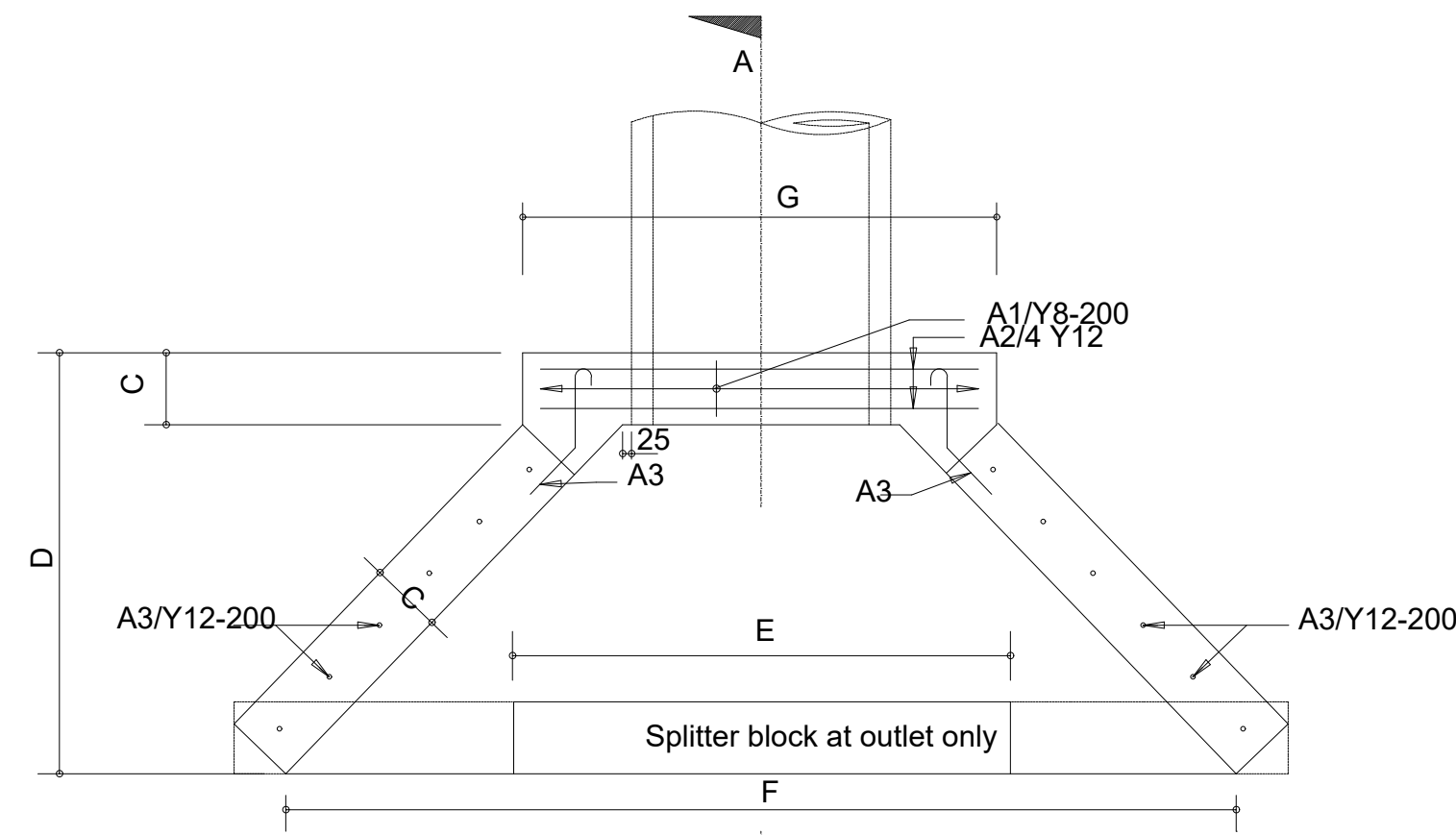


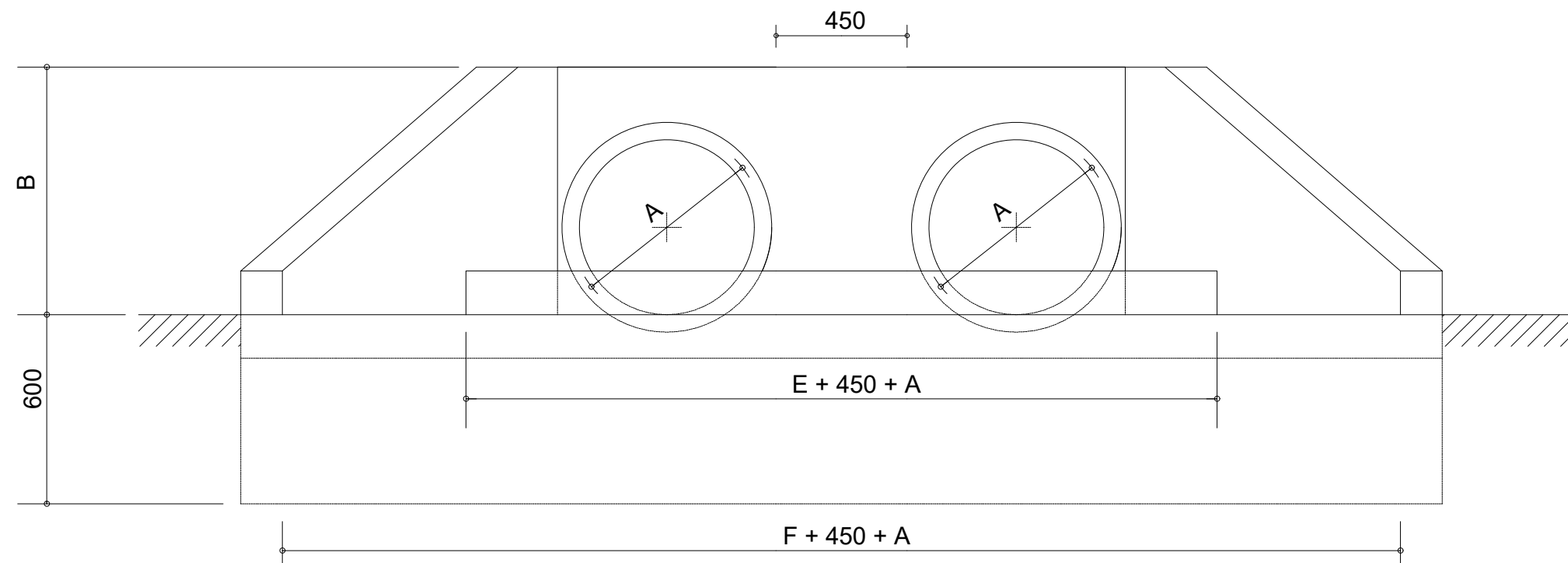
SECTION A - A



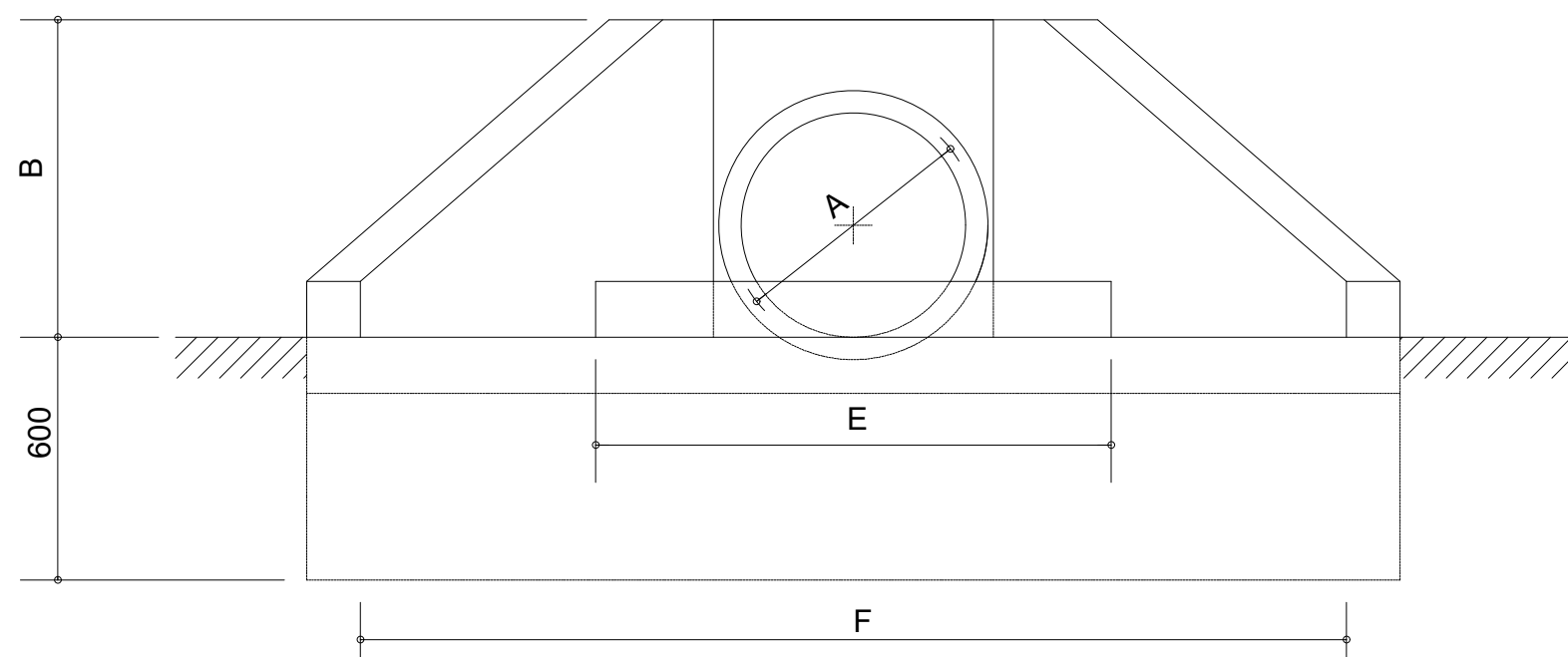
SKEW PIPE CULVERT



PLAN



FRONT ELEVATION - MULTIPLE PIPES



FRONT ELEVATION - SINGLE PIPE

- NOTES:
- Splitter block and pitching to be provided at all outlets where erosion is likely to occur. It is not required at inlets.
 - Splitter block may be omitted if discharge velocity is less than 0.9m/s.
 - Cut off walls may be omitted if structure is founded on rock.
 - For multiple pipe culverts increase dimensions "E" and "F" by $(n-1)(A+450)$ mm
Where n = number of pipes
A = nominal diameter of pipes
 - Pipes to be cut flush with headwall.
 - For skew pipe culverts the headwall shall be parallel to the centre line of the road.
 - If corrugated metal pipes are used 4 x 20mm x 150mm long galvanized anchor bolts in the hollows of the corrugation are to be used.
 - All concrete to be 20MPa.
 - Square mesh fabric (Reference S.M.F 193) to be placed in all Apron slabs.

Item	Number	Diameter	CODE	Cut Length	Bending
A1	varies	Y8	60	600	150 110
A2	4	Y12	20	varies	
A3	varies	Y12	32	500	

Nominal Diameter	Dimensions					
A	B	C	D	E	F	G
450	750	150	940	1 160	2 080	1 160
600	900	150	1 170	1 380	2 640	1 380
750	1 050	150	1 400	1 600	3 210	1 600
900	1 200	230	1 640	1 830	3 780	1 830
1 050	1 350	230	1 870	2 050	4 350	2 050
1 200	1 500	230	2 100	2 270	4 910	2 270