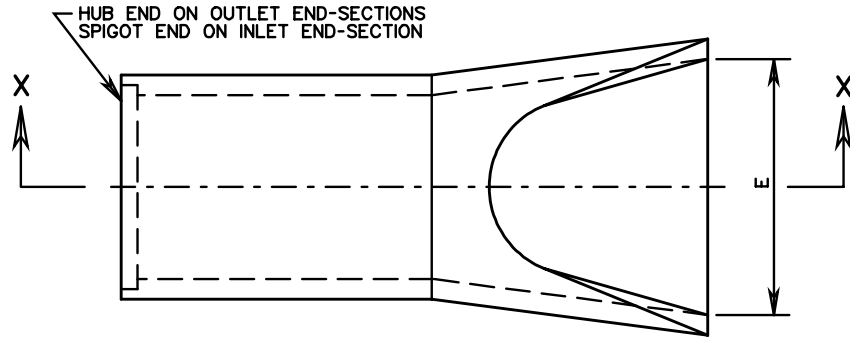


ES-1A

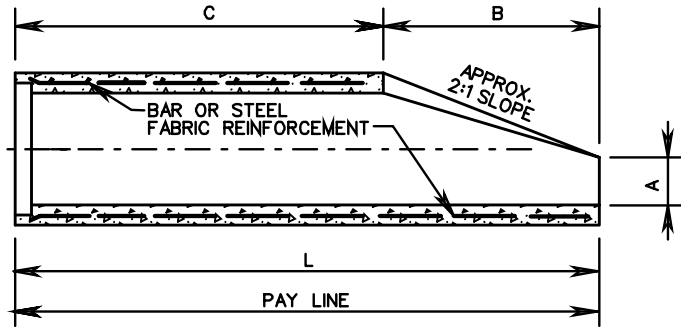


CONCRETE TO BE
4000 PSI MINIMUM

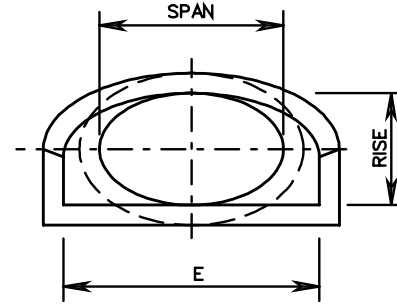
END SECTION DIMENSIONS

SPAN X RISE	A	B	C	L	E
23" X 14"	6"	2'-3"	3'-10"	6'-1"	2'-8"
30" X 19"	9"	2'-11"	3'-2"	6'-1"	3'-6"
38" X 24"	10"	3'-8"	2'-6"	6'-2"	4'-0"
42" X 27"	12"	4'-6"	1'-8"	6'-2"	5'-0"
45" X 29"	13"	4'-11"	3'-3"	8'-2"	5'-6"
53" X 34"	15"	5'-3"	2'-11"	8'-2"	6'-0"

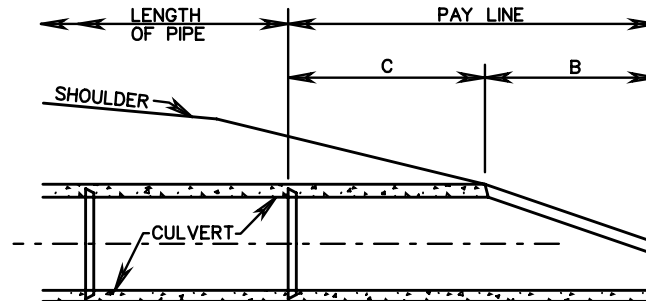
PLAN



SECTION X-X



END VIEW



SLOPE DETAIL



ROAD AND BRIDGE STANDARDS

SHEET 1 OF 1

REVISION DATE

102.02

FLARED END-SECTION

23" x 14" TO 53" x 34" ELLIPTICAL CONCRETE PIPE CULVERTS

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION
REFERENCE

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