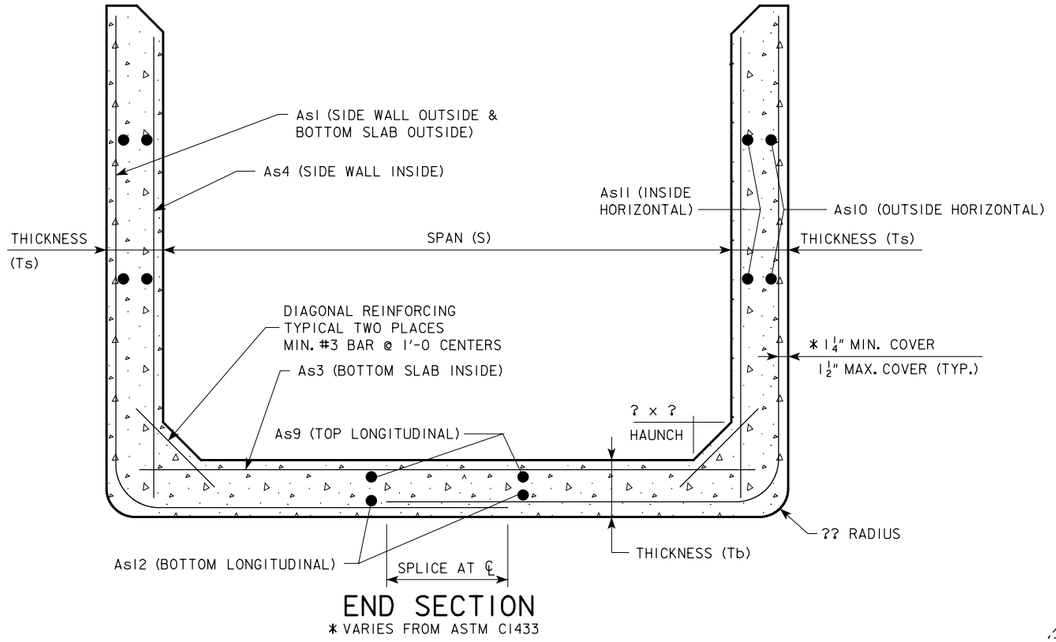
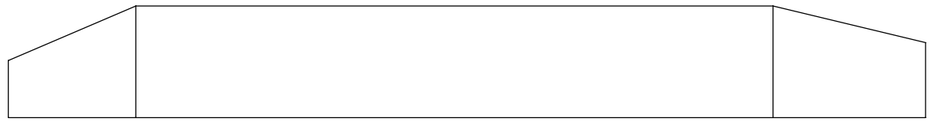


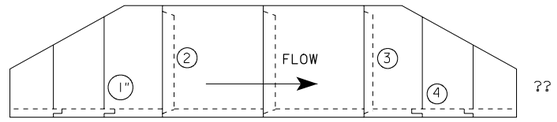
END SECTION

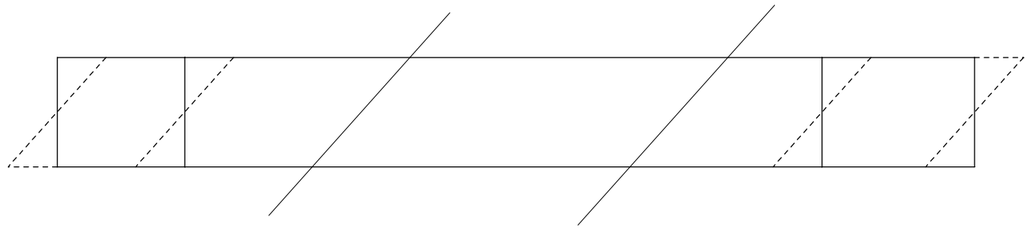
* VARIES FROM ASTM C1433



ELEVATION VIEW FOR END SECTIONS

(SHOW THE NUMBER OF END SECTIONS)





PLAN VIEW FOR END SECTIONS

LOADING, DESIGN METHODS AND MATERIALS

DESIGN REQUIREMENTS:

THE PRECAST CULVERT END SECTIONS SHALL MEET THE MINIMUM REQUIREMENTS OF ASTM C 1433, TABLE I SECTIONS THAT ARE DESIGNED FOR COMBINED EARTH DEAD LOAD AND AASHTO HS-20 LIVE LOAD CONDITIONS. (* WITH THE FOLLOWING ADDITIONAL REQUIREMENTS)

ANY PRECAST BOX CULVERT DESIGNS SUBMITTED, THAT VARY FROM THE STANDARDS SHOWN, SHALL BE DESIGNED AND SEALED BY A PROFESSIONAL ENGINEER, CURRENTLY REGISTERED IN THE STATE OF IOWA.

* ADDITIONAL DESIGN REQUIREMENTS

MINIMUM LAYING LENGTH = 4'-0
WWF ASTM A185 OR ASTM A497 fy = 65 ksi
CONCRETE STRENGTH MINIMUM f'c = 5 ksi

PRECAST BOX CULVERT SUBMITTAL SHEET
FOR BARREL SECTIONS
(DOWNLOAD FROM INTERNET AT
http://www.dot.state.ia.us/bridge/v8preculstd.htm

____ FT. x ___ FT. x _____ FT. CULVERT

	f'c ksi	Ts in.	Tb in.		CIRCUMFERENTIAL REINFORCEMENT AREA (IN.²/FT.)									LENGTH OF SPLICE @ ℄
					AsI	As3	As4	As9	AsIO	AsII	AsI2			

REVISION 06-08 - CHANGED TO STEEL COVER TO MIN. AND MAX. LIMITS. CHANGED THE ASTM REQUIREMENTS FOR WELDED WIRE FABRIC.
PRECASTENGLISHCULVERT.DGN - END_SECT - THIS SHEET ISSUED 12-05.