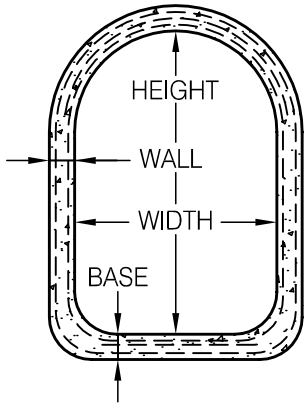
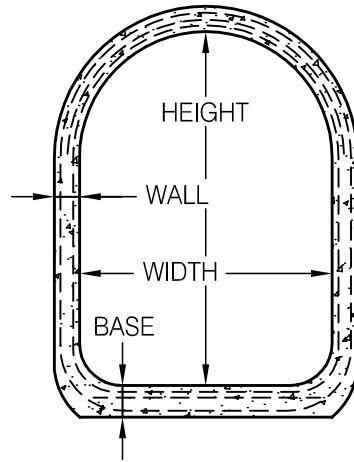


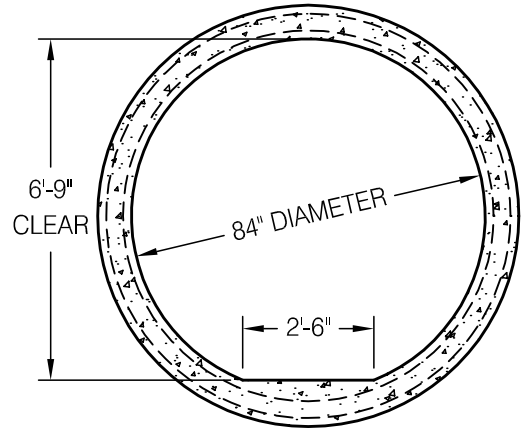
CONCRETE UNDERPASS AND TUNNEL DESIGN



DESIGN A



DESIGN B



DESIGN C

STRUCTURE	DESIGN	INSIDE WIDTH	INSIDE HEIGHT	LAYING LENGTH	WT./FT. LBS.	WALL INCHES	BASE INCHES
4' x 5' SECTION	A	4'-0"	5'-0"	6'-0"	1140	5	5
4' x 6' SECTION	A	4'-0"	6'-0"	6'-0"	1270	5	5
4' x 6' SECTION	A	4'-0"	6'-0"	6'-0"	1520	6	6
5' x 7' SECTION	B	5'-0"	7'-0"	6'-0"	1970	6	7 1/2
91" x 91" SECTION	B	7'-7"	7'-7"	6'-0"	3300	8 1/2	10
84" SECTION	C	7'-0"	6'-9"	6'-0"	2530	8	11

Underpass and tunnel sections are manufactured with a tongue and groove joint to strengths specified in applicable portions of ASTM Specification C76. Flexible compounds may be used for joint sealant.

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ELK RIVER CONCRETE PRODUCTS

MAPLE GROVE, MINNESOTA

CONCRETE UNDERPASS AND TUNNEL DESIGN

SCALE NOT TO SCALE DATE JAN. 1, 1999 DWG. NO. ERCPUNDESIGN