

TABLE 519B - 1 GAUGE OF CORRUGATED STEEL/ THICKNESS OF CORRUGATED ALUMINUM PIPE-ARCH FOR VARIOUS HEIGHTS OF FILL ABOVE THE TOP OF THE PIPE-ARCH								
DIA. [*] (IN.)	SPAN (IN.)	RISE (IN.)	TYPE OF PIPE	HEIGHT OF FILL IN FEET				
				1 - 2	3 - 10	11 - 15	16 - 20	21 - 25
15	18	11	STEEL	16 GA.	16 GA.	16 GA.	16 GA.	16 GA.
			ALUM	0.060"	0.060"	0.060"	0.060"	0.060"
18	22	13	STEEL	16 GA.	16 GA.	16 GA.	16 GA.	16 GA.
			ALUM	0.060"	0.060"	0.060"	0.060"	0.073"
21	25	16	STEEL	16 GA.	16 GA.	16 GA.	16 GA.	16 GA.
			ALUM	0.060"	0.060"	0.060"	0.060"	NP
24	29	18	STEEL	14 GA.	14 GA.	14 GA.	14 GA.	14 GA.
			ALUM	0.073"	0.075"	0.075"	0.105"	NP
30	36	22	STEEL	14 GA.	14 GA.	14 GA.	14 GA.	NP
			ALUM	0.073"	0.075"	0.075"	0.105"	NP
34	43	27	STEEL	12 GA.	12 GA.	12 GA.	12 GA.	NP
			ALUM	0.105"	0.105"	0.105"	0.135"	NP
42	50	31	STEEL	12 GA.	12 GA.	12 GA.	10 GA.	NP
			ALUM	0.105"	0.105"	0.105"	NP	NP
48	56	34	STEEL	10 GA.	12 GA.	10 GA.	10 GA.	NP
			ALUM	0.135"	0.105"	0.135"	NP	NP
54	65	40	STEEL	10 GA.	12 GA.	10 GA.	8 GA.	NP
60	72	44	STEEL	8 GA.	10 GA.	8 GA.	NP	NP
* DIAMETER OF PIPE OF EQUAL PERIPHERY. FOR SIZES LARGER THAN SHOWN ABOVE, USE STRUCTURAL PLATE PIPE - ARCH, GA. STD. 20IIA. (SEE TABLE NO. 519B-2 FOR CIRCULAR PIPE)								

TABLE 519B - 2 HEIGHT OF FILL OVER TOP OF PIPE, CLASS OF CONCRETE PIPE AND TYPE OF BACKFILL		
HEIGHT OF FILL (H) (FT.)	CLASS OF PIPE	TYPE OF BACKFILL
1 to 15	III	NORMAL
15 to 20	IV	NORMAL
20 to 30	V	NORMAL
30 to 50	V	IMPERFECT
50 to 70	V	IMPERFECT

FULTON COUNTY STANDARD DETAIL 519B

PIPE CULVERTS
SHEET 2 OF 3

DATE	REVISIONS	DATE	REVISIONS

DGS/DRN/CHKD: MB/EB/ML

APPROVED: TM

DATE: 02-18-2026



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DRAWING NO.

519B