


TABLE SHOWING GAUGES OF CORRUGATED STEEL AND THICKNESS IN INCHES OF CORRUGATED ALUMINUM PIPE ARCH FOR VARIOUS HEIGHT OF FILL ABOVE THE TOP OF THE PIPE-ARCH

* DIA. IN INCHES	SPAN IN INCHES	RISE IN INCHES	HEIGHT OF FILL IN FEET					TYPE OF PIPE
			1-2	3-10	11-15	16-20	21-25	
15	18	11	16 0.06	16 0.06	16 0.06	16 0.06	16 0.06	Steel Alum
18	22	13	16 0.06	16 0.06	16 0.06	16 0.06	16 0.073	Steel Alum
21	25	16	16 0.06	16 0.06	16 0.06	16 0.06	16 0.06	Steel Alum
24	29	18	14 0.073	14 0.075	14 0.075	14 0.105	14 0.105	Steel Alum
30	36	22	14 0.073	14 0.075	14 0.075	14 0.105	14 0.105	Steel Alum
34	43	27	12 0.105	12 0.105	12 0.105	12 0.135	12 0.135	Steel Alum
42	50	31	12 0.105	12 0.105	12 0.105	10 NP	10 NP	Steel Alum
48	56	34	10 0.135	12 0.105	10 0.135	10 NP	10 NP	Steel Alum
54	65	40	10	12	10	8	NP	Steel
60	72	44	8	10	8	NP	NP	Steel

* DIAMETER OF PIPE OF EQUAL PERIPHERY.
FOR SIZES LARGER THAN SHOWN ABOVE, USE STRUCTURAL PLATE PIPE-ARCH, GA. STD. 2011A (SEE TABLE NO.2 FOR CIRCULAR PIPE)

HEIGHT OF FILL IN FEET OVER TOP OF PIPE, CLASS OF CONCRETE PIPE AND TYPE OF BACKFILL	HEIGHT OF FILL (H) IN FEET **	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 (TABLES) SHEET 2 OF 3		DATE: 8/08 REVISIONS: FC	DATE: _____ REVISIONS: _____	DGS/DRN/CHKD: CMS APPROVED: _____ DATE: 12-2-05	 FULTON COUNTY	FULTON COUNTY PUBLIC WORKS 141 PRYOR ST. ATLANTA, GA. 30303 404-612-7400 FAX: 404-224-0498	DRAWING NO. 519B
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