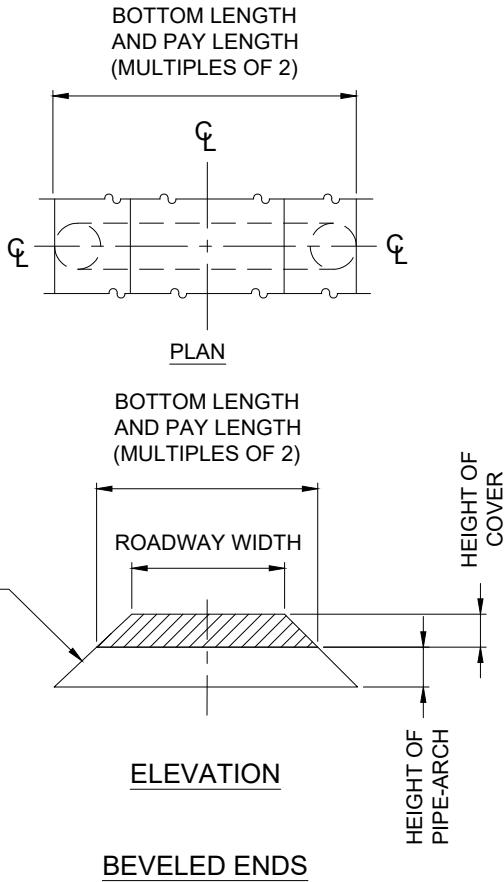
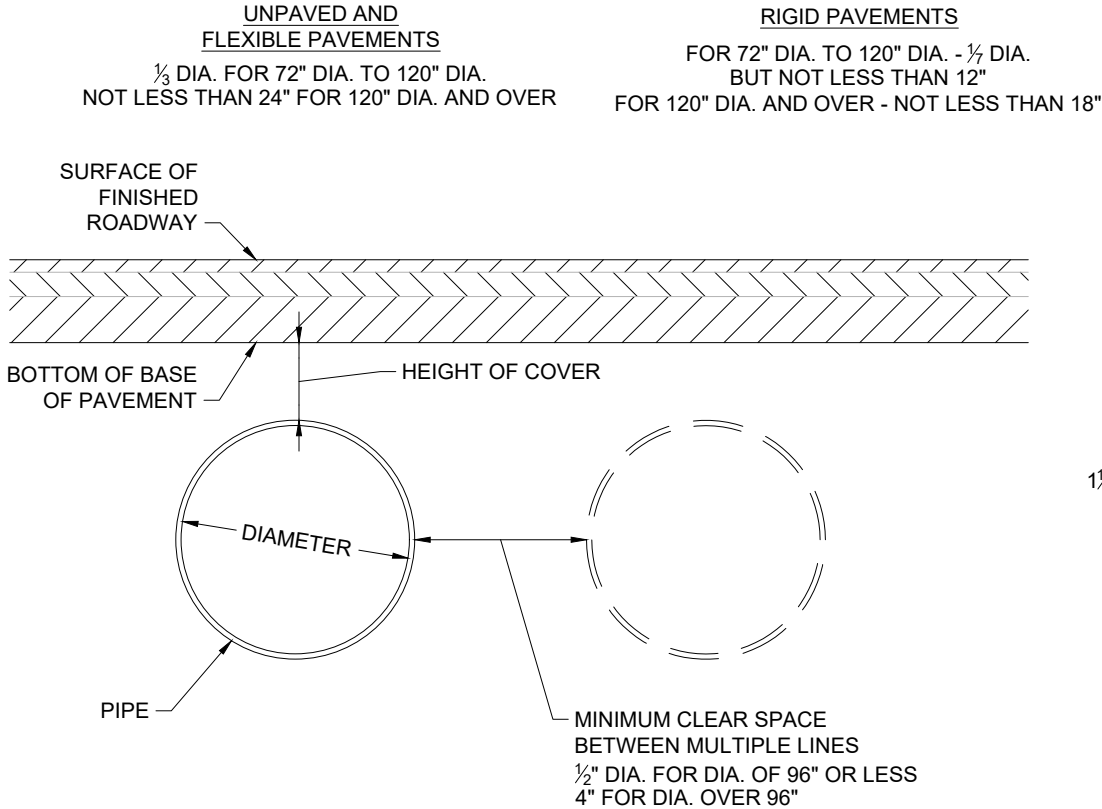


705 - Standard Structural Plate Pipe Culvert.dwg March 17, 2026 - 3:52pm

MINIMUM HEIGHT OF COVER



NOTES:

1. SPECIFICATIONS - GEORGIA STANDARD
2. DESIGN DATA - H-20 LIVE LOAD
3. GAUGES SHOWN ARE MINIMAL STRUCTURAL REQUIREMENTS FOR USE WITH ADEQUATE BACKFILL.
4. FOR END FINISH, SHAPE OR CONDITION OTHER THAN SHOWN, SEE SPECIAL DESIGN.
5. GAUGES SHOWN IN TABLE 705-1 ARE FOR STRUCTURAL PLATE PIPE ASSEMBLED WITH 4 BOLTS PER FOOT OF LONGITUDINAL SEAM AND VERTICALLY ELONGATED 5% BY SHOP FORMING, EXCEPT AS NOTED IN NOTE 6.
6. BEYOND HEIGHTS OF COVER FOR 4 BOLTS AND TO HEIGHTS OF COVER SHOWN FOR 6 BOLTS, NO.1 GAUGE STRUCTURAL PLATE PIPE WITH 6 BOLTS PER FOOT OF LONGITUDINAL SEAM AND VERTICALLY ELONGATED 3% BY SHOP FORMING SHALL BE USED.
7. ONLY R.C.P. ALLOWED UNDER COUNTY ROADS.

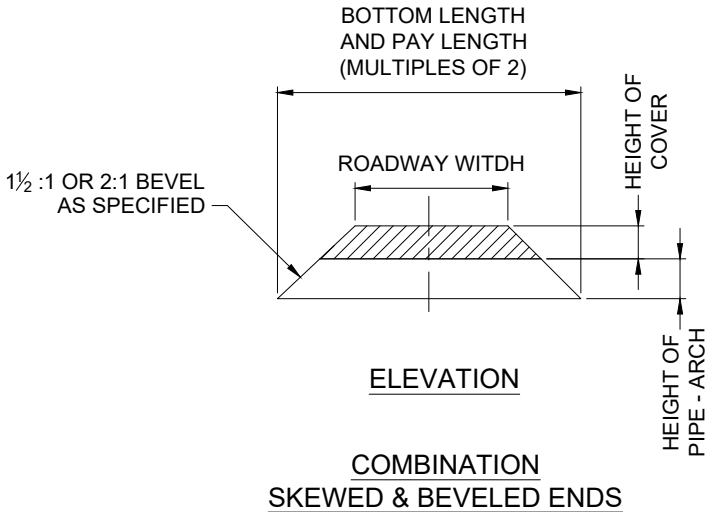
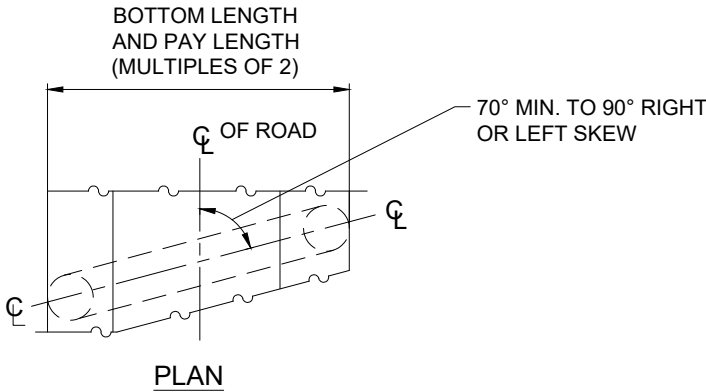


TABLE 705 - 1																		
AREA SQ.FT.	DIA. INCHES	HEIGHT OF COVER (FEET)																1 GAUGE 6 BOLTS
		1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41 - 45	46 - 50	51 - 55	56 - 60	61 - 70	71 - 80	81 - 90	91 - 100	
		MINIMUM THICKNESS U.S. STD. GAUGE - 4 BOLTS																
28	72							12	12	10	10	8	8	7	5	3	1	165'
33	78						12	12	10	10	8	8	8	5	3	1	FOR STRUCTURES IN THIS ZONE, SEE NOTE 6.	150'
38	84					12	12	12	10	10	8	8	7	5	3	1		140'
44	90	12	12	12	12	12	12	10	10	8	8	7	5	3	1	130'		
50	96	12	12	12	12	12	10	10	10	8	7	7	5	3	1	125'		
57	102	12	12	12	12	10	10	10	8	8	7	5	5	1	115'			
64	108	12	12	12	10	10	10	10	8	7	5	5	3	1	110'			
71	114	10	12	10	10	10	10	8	8	7	5	5	3	1	105'			
79	120	10	12	10	10	10	10	8	7	5	5	3	1	100'				
87	126	10	12	10	10	10	10	8	7	5	3	3	1	95'				
95	132	10	10	10	10	10	8	8	7	5	3	1	1	90'				
104	138	10	10	10	10	10	8	7	5	3	3	1	FOR STRUCTURES IN THIS ZONE, SEE NOTE 6.	85'				
113	144	10	10	10	10	8	8	7	5	3	1	1		80'				
123	150	10	10	10	8	8	8	7	5	3	1	80'						
133	156	10	10	10	8	8	8	5	3	1	1	75'						
145	162	10	10	10	8	8	7	5	3	1	70'							
154	168	10	10	10	8	8	7	5	3	1	70'							
165	174	8	10	8	8	8	7	5	3	1	65'							
177	180	8	10	8	8	8	5	3	1	65'								

FOR STRUCTURES
IN THIS ZONE, SEE
NOTE 6.

FULTON COUNTY STANDARD DETAIL 705
STANDARD STRUCTURAL PLATE PIPE CULVERT

DATE	REVISIONS	DATE	REVISIONS

DGS/DRN/CHKD: MB/EB/ML
APPROVED: TM
DATE: 02-18-2026



FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0498

DRAWING NO.
705