

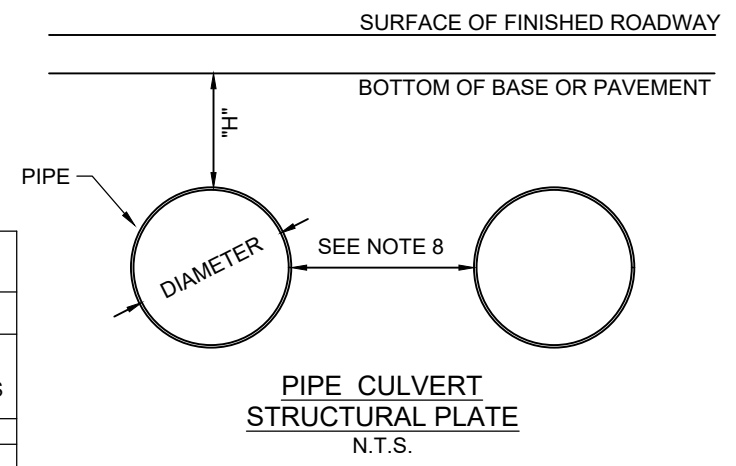
- NOTES:**
- SPECIFICATIONS - GEORGIA STANDARD
 - DESIGN DATA: H-20 LIVE LOAD
 - GAGES SHOWN ARE MINIMAL STRUCTURAL REQUIREMENTS FOR USE WITH ADEQUATE BACKFILL.
 - FOR END FINISH SHAPE OR CONDITION OTHER THAN SHOWN, SEE SPECIFIC DESIGN.
 - GAGES SHOWN ION ABOVE TABLE ARE FOR STRUCTURAL PLATE PIPE ASSEMBLED WITH 4 BOLTS PER FOOT OF LONGITUDINAL SEAM AND VERTICALLY ELONGATED 5% BY SHOP FORMING, EXCEPT AS NOTED IN NO.2..
 - BEYOND HEIGHTS OF COVER FOR 4 BOLTS AND TO HEIGHTS OF COVER SHOWN FOR 6 BOLTS, IN COLUMN AT RIGHT, NO.1 GAGE STRUCTURAL PLATE PIPE WITH 6 BOLTS PER FOOT OF LONGITUDINAL SEAM AND VERTICALLY ELONGATED 5% BY SHOP FORMING SHALL BE USED.
 - ONLY R.C.P ALLOWED UNDER COUNTY ROADS.
 - MINIMUM CLEAR SPACE BETWEEN MULTIPLE LINES = 1/2 DIAMETER FOR DIAMETERS 96 IN. OR LESS, AND 4 FEET FOR DIAMETERS GREATER THAN 96 IN. SUBSTITUTE SPAN FOR DIAMETER FOR PIPE-ARCH.

TABLE 518-1
DIMENSIONS FOR STRUCTURAL PLATE PIPE-ARCH

SPAN (FT - IN)	RISE (FT - IN)	HEIGHT OF COVER (FEET)													
		1	2	3	4	5-7	8	9	10	11	12	13	14	15	
MINIMUM THICKNESS - US STD GAGE															
5'-8"	6-6	12	12	12	12	12	12	12	12	12	12	12	12	12	12
5'-10"	7-8	12	12	12	12	12	12	12	12	12	12	12	12	12	12
6-1	4-7	12	12	12	12	12	12	12	12	12	12	12	12	12	12
6-4	4-9	12	12	12	12	12	12	12	12	12	12	12	12	12	10
6-9	4-11	10	12	12	12	12	12	12	12	12	12	12	12	10	10
7-0	5-1	10	12	12	12	12	12	12	12	12	12	12	12	12	10
7-3	5-3	10	10	12	12	12	12	12	12	12	12	12	10	10	10
7-6	5-5	10	10	12	12	12	12	12	12	12	12	12	10	10	10
7-11	5-7	10	10	10	12	12	12	12	12	12	12	10	10	10	10
8-2	5-9	10	10	10	12	12	12	12	12	12	12	10	10	10	10
8-7	5-11	10	10	10	10	10	10	10	10	10	10	10	10	10	8
8-10	6-1	10	10	10	10	10	10	10	10	10	10	10	8	8	8
9-4	6-3	8	10	10	10	10	10	10	10	10	10	8	8	8	8
9-6	6-5	8	10	10	10	10	10	10	10	10	10	8	8	8	8
9-9	6-7	8	8	10	10	10	10	10	10	10	8	8	8	7	7
10-3	6-9	8	8	10	10	10	10	10	10	10	8	8	8	7	7
10-8	6-11	8	8	8	10	10	10	10	10	10	8	8	8	7	7
10-11	7-1	8	8	8	10	10	10	8	8	8	7	7	5	5	3
11-5	7-3	7	8	8	8	10	10	8	8	8	7	7	5	5	3
11-7	7-5	7	8	8	8	10	10	8	8	8	7	7	5	5	3
11-10	7-7	7	8	8	8	8	8	8	8	7	7	5	5	3	3
12-4	7-9	7	7	8	8	8	8	8	7	7	5	5	3	3	1
12-6	7-11	7	7	8	8	8	8	8	7	7	5	5	3	3	1
12-8	8-1	7	7	8	8	8	8	8	7	7	5	5	3	3	1
12-10	8-4	5	7	8	8	8	8	8	7	7	5	5	3	3	1
13-5	8-5	5	5	7	8	8	8	7	7	5	5	3	3	1	1
13-11	8-7	5	5	7	7	8	7	7	5	5	3	3	1	1	1
14-1	8-9	5	5	7	7	8	7	7	5	5	3	3	1	1	1
14-3	8-11	3	5	5	7	7	7	5	5	5	3	3	1	1	1
14-10	9-1	3	5	5	7	7	7	5	3	3	1	1			
15-4	9-3	3	3	5	7	7	7	5	3	3	1	1			
15-6	9-5	3	3	5	5	7	7	5	3	3	1	1			
15-8	9-7	3	3	5	5	7	7	5	3	3	1	1			
15-10	9-10	1	3	5	5	7	5	3	3	1	1				
16-5	9-11	1	3	3	5	5	5	3	1	1					
16-7	10-1	1	3	3	5	5	5	3	1	1					

TABLE 518-2
DIMENSIONS FOR STRUCTURAL PLATE PIPE

DIA. (IN.)	HEIGHT OF COVER, "H" (FT.)																1 GAGE, 6 BOLTS
	0-5	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 GAGE - 4 BOLTS																	
72						12	12	10	10	8	8	7	5	3	1		165'
78						12	12	10	10	8	8	5	3	1	NOTE 6		130'
84					12	12	12	10	10	8	8	7	5	3	1	NOTE 6	140'
90	12	12	12	12	12	12	10	10	8	8	7	5	3	1	NOTE 6	NOTE 6	130'
96	12	12	12	12	12	10	10	10	8	7	7	5	3	1	NOTE 6	NOTE 6	125'
102	12	12	12	12	10	10	10	8	8	7	5	3	1	NOTE 6	NOTE 6	NOTE 6	115'
108	12	12	10	10	10	10	10	8	7	5	5	3	1	NOTE 6	NOTE 6	NOTE 6	110'
114	10	12	10	10	10	10	8	8	7	5	5	3	1	NOTE 6	NOTE 6	NOTE 6	105'
120	10	12	10	10	10	10	8	7	5	5	3	1	NOTE 6	NOTE 6	NOTE 6	NOTE 6	100'
126	10	12	10	10	10	10	8	7	5	3	3	1	NOTE 6	NOTE 6	NOTE 6	NOTE 6	93'
132	10	10	10	10	10	8	8	7	5	3	1	1	NOTE 6	NOTE 6	NOTE 6	NOTE 6	90'
138	10	10	10	10	10	8	7	5	3	3	1	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	85'
144	10	10	10	10	8	8	7	5	3	1	1	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	80'
150	10	10	8	8	8	8	7	5	3	1	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	80'
156	10	10	8	8	8	8	5	3	1	1	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	75'
162	10	10	8	8	8	7	5	3	1	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	70'
168	10	10	8	8	8	7	5	3	1	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	70'
174	8	10	8	8	8	7	5	3	1	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	65'
180	8	10	8	8	8	5	3	1	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	65'



95% SUBMITTAL

FULTON COUNTY STANDARD DETAIL 518
STRUCTURAL PLATE PIPE ARCH CULVERT

DATE	REVISIONS	DATE	REVISIONS
M/Y	XXX	M/Y	XXX

DGS/DRN/CHKD: XXX
APPROVED: XXX
DATE: XX-X-XX



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

DRAWING NO.
518