

521 - Pipe Gauge and Class.dwg March 17, 2026 - 3:12pm

TABLE 521-1 PIPE GAUGE AND THICKNESS					
THICKNESS	0.064"	0.079"	0.109"	0.138"	0.168"
GAGE	16	14	12	10	8

- NOTES:
- ALL C.M.P PIPE SHALL BE HALF-COATED WITH A PAVED INVERT, EXCEPT AS FOLLOWS: FULLY COATED PIPE WITH A PAVED INVERT MAY BE USED UNDER THE FOLLOWING CONDITIONS:
 - A SMALL PIECE OF ONE OF THE PIPES IN EACH SIZE CATEGORY WILL BE CHOSEN AT RANDOM BY A FULTON COUNTY INSPECTOR.
 - THIS PIPE IS TO BE TESTED FOR GAUGE AND COMPOSITION BY AN INDEPENDENT TESTING LABORATORY.
 - IF, AFTER TESTING, THE TEST REPORT INDICATES THAT THE PIPE DOES NOT MEET COUNTY SPECIFICATIONS, THE CONTRACTOR MUST IMMEDIATELY REMOVE ALL PIPE ON THE JOB AND TEST EACH PIECE.
 - COST OF ALL TESTS ARE TO BE BORN BY THE DEVELOPER.
 - CONC. PIPE REQUIRED UNDER ALL ROADWAYS & ON CROSS DRAINS.

TABLE 521 - 2 PIPE GAUGE AND CLASS BY PIPE DIAMETER (INCHES)																																					
		15		18		24		30		36		42		48		54		60		66		72		78		84		90		96		102		108			
HEIGHT OF FILL IN FEET ABOVE TOP OF PIPE**		C	S	C	S	C	S	C	S	C	S	C	S	C	S	C	S	C	S	C	S	C	S	C	S	C	S	C	S	C	S	C	S	C	S		
	1-10	III	16	III	16	III	16	III	16	III	16	III	16	III	16	III	14	III	12	III	12	III	10	III	8	III	8	III	USE	III	USE	III	USE	III	USE		
	10-15	III	16	III	16	III	16	III	16	III	16	III	16	III	16	III	14	III	12	III	12	III	10*	III	8	III	8	III		S T R U C T U R A L	III	S T R U C T U R A L	III	S T R U C T U R A L			
	15-20	IV	16	IV	16	IV	16	IV	16	IV	16	IV	14	IV	12	IV	10*	IV	8*	IV	12*	IV	10*	IV	8*	IV	8*	IV			V	IV	V	IV	V		
	20-25	V	16	V	16	V	16	V	14	V	10	V	16*	V	16*	V	14*	V	12*	V	12*	V	10*	V	8*	V	S T R U C T. P L A T E	V	S T R U C T. P L A T E			V	S T R U C T. P L A T E	V	S T R U C T. P L A T E		
	25-30	V	16	V	16	V	16	V	10	V	14*	V	14*	V	14*	V	14*	V	12*	V	10*	V	8*	V	V	V		V	V	V		V	V	V	V	V	
	30-35	V	16	V	16	V	12	V	8*	V	12*	V	14*	V	14*	V	12*	V	10*	V	10*	V	V	V	V	V		V	NP	NP	NP	NP	NP	NP	NP	NP	
	35-40	V	16	V	16	V	12	V	12*	V	10*	V	12*	V	12*	V	8*	V	8*	V	S T R U C T. P L T.	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
	40-50	V	16	V	14	V	10	V	8*	V	10	V	8*	V	0*	V	0	V	STR. PLT.	V		V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
	50-60	V	16	V	12	V	Φ	V	Φ	V	8	V	0	V	0	V	0	V		PLT.		V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
	60-70	V	14	V	12	V	Φ	V	Φ	V	10*	V	0	V	0	V	0	V			PLT.	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
	70-80	V	12	V	10	V	Φ	V	Φ	V	0	V	0	V	0	V	0	V				V		NP													

* PIPE SHALL BE CIRCULAR CROSS-SECTION, FACTORY ELONGATED.
** WHERE H=10', 15', 20' ETC. USE GAUGE THICKNESS IN INCHES OR CLASS OF PIPE SPECIFIED FOR NEXT HIGHEST INCREMENTS OF HEIGHT OF FILL
NP NOT PERMITTED
C REINFORCED CONCRETE PIPE
S CORRUGATED METAL PIPE
Φ USE 60" STRUCTURAL PLATE PIPE

FULTON COUNTY STANDARD DETAIL 521 PIPE GAUGE AND CLASS (CONCRETE & CORRUGATED STEEL PIPE)		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. 521