HEIGHT OF FILL IN FEET ABOVE TOP OF PIPE**	PIPE DIAMETER (IN INCHES)																																	
	15		18		24		30		36		42		48		54		60		66		72		78		84		90		96		102		108	
	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 STRUCTURAL PLATE PIPE	III	USE STRUCTURAL PLATE PIPE	III	USE STRUCTURAL PLATE PIPE	III	USE STRUCTURAL PLATE PIPE
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		III		III		III	
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		IV		IV		IV	
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	STRUCT. PLATE	V		V		V		V	
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	STRUCT. PLATE	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	STRUCT. PLT.	V		V		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	STRUCT. PLT.	V		V		V		NP		NP		NP		NP	
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		NP		NP		NP		NP	
50–60	V	16	V	12	V	ø	V	ø	V	8	V	0	V	0	V	0	V		V		V		V		V		NP		NP		NP		NP	
60–70	V	14	V	12	V	ø	V	ø	V	10*	V	0	V	0	V	0	V		V		V		V		NP		NP		NP		NP		NP	
70–80	V	12	V	10	V	ø	V	ø	V	0	V	0	V	0	V	0	V		V		NP		V		NP		NP		NP		NP		NP	

* PIPE SHALL BE SHAPE II 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
ø USE 60" STRUCTUAL PLATE PIPE

	THICKNESS				
	0.064"	0.079"	0.109"	0.138"	0.168"
GAGE	16	14	12	10	8

TABLE THICKNESS TO GAGE RATIO

NOTE:
ALL C.M.P. PIPE SHALL BE ½ COATED WITH A PAVED INVERT, EXCEPT AS FOLLOWS: FULLY COATED PIPE WITH A PAVED INVERT MAY BE USED UNDER THE FOLLOWING CONDITIONS:

(1) A SMALL PIECE OF ONE OF THE PIPES IN EACH SIZE CATEGORY WILL BE CHOSEN AT RANDOM BY A FULTON COUNTY INSPECTOR.
(2) THIS PIPE IS TO BE TESTED FOR GAUGE AND COMPOSITION BY AN INDEPENDENT TESTING LABORATORY.
(3) 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.
(4) COST OF ALL TESTS ARE TO BE BORN BY THE DEVELOPER.
(5) CONC. PIPE REQUIRED UNDER ALL ROADWAYS & ON CROSS DRAINS.

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

DATE	REVISIONS	DATE	REVISIONS
8/08	RC		

DGS/DRN/CHKD: CMS
APPROVED: REW
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. 521