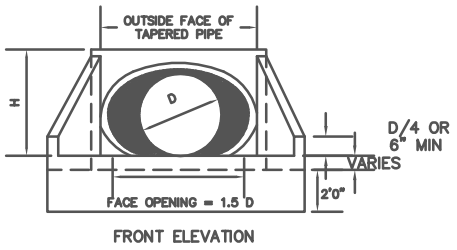
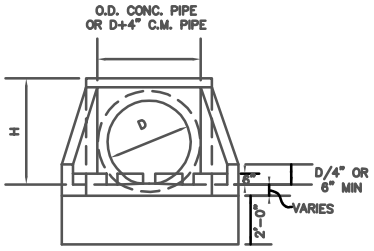
INLET HEADWALL WITH TAPERED PIPE



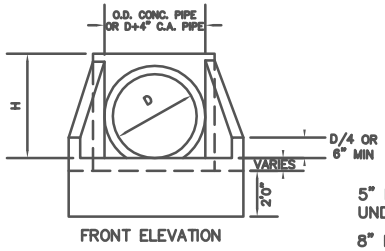
FRONT ELEVATION

OUTLET HEADWALL



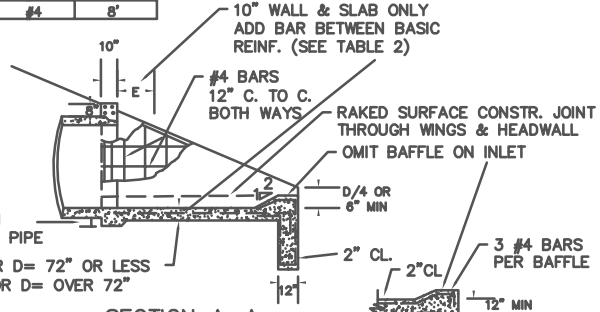
FRONT ELEVATION

INLET HEADWALL



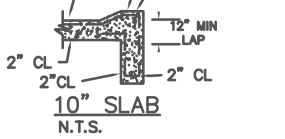
FRONT ELEVATION

TABLE 2		
D	ADD'L BAR	E
84"	#4	5'
96"	#4	8'



SECTION A–A

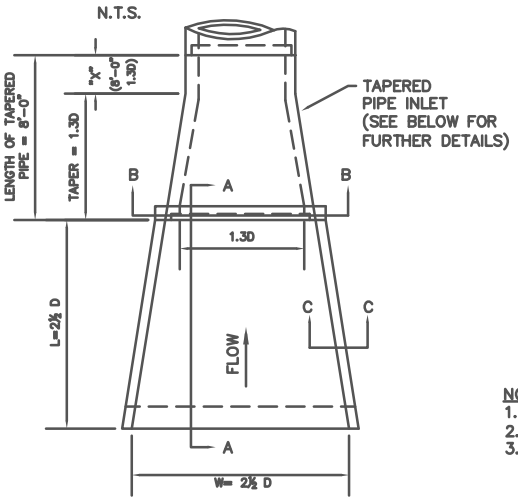
N.T.S.



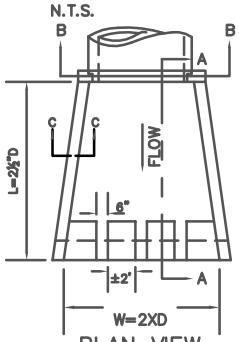
10" SLAB

N.T.S.

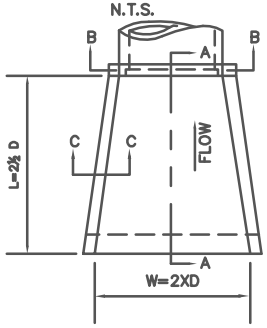
D= INSIDE DIAMETER OF PIPE
H=D+PIPE WALL THICKNESS+8" FOR CONC. PIPE
H=D+10" MIN FOR C.M. PIPE



PLAN VIEW

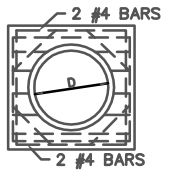


PLAN VIEW



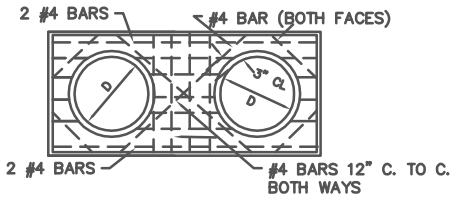
PLAN VIEW

NOTE:
1. ALTERNATE DESIGN FOR PIPES LARGER THAN 54" USE G.D.O.T STANDARD #1125.
2. RUBBLE MASONRY CONSTRUCTION NOT ALLOWED ON PIPES OVER 54".
3. AN ALTERNATE DESIGN FOR THE ENERGY DISSIPATOR WOULD BE ACCEPTED ONCE APPROVED BY FULTON COUNTY. SEE STANDARD #516



SECTION B–B

(SINGLE PIPE LINE)

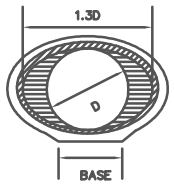


SECTION B–B

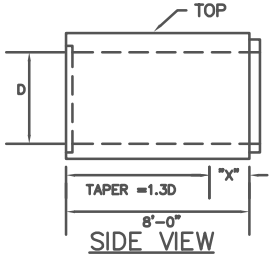
(MULTIPLE PIPE LINE)

TAPERED PIPE INLET

CONCRETE TAPERED PIPE: STRUCTURAL REQUIREMENTS WILL BE ACCORDING TO ASTM. C307_FOR CLASS HE-1 HORIZONTAL ELLIPTICAL PIPE.
CORRUGATED METAL: MATERIAL REQUIREMENTS TO MEET SEC. 844 (STEEL PIPE) OR SEC. 840 (ALUMINIUM PIPE). C.M. PIPE WILL CONFORM TO THE SAME INTERNAL LINES AND DIMENSIONS SHOWN, DETAILS ARE SHOWN FOR CONCRETE.



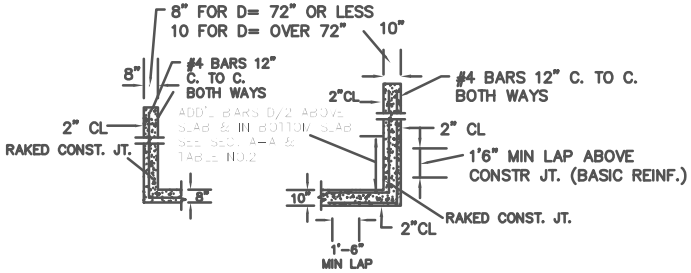
END VIEW



SIDE VIEW

TABLE 3 – TAPERED PIPE DIMENSIONS					
			MIN. THICKNESS (INS.)		
D	1.5D	"X"	COR. STEEL ①	COR. STEEL ②	COR. ALUM
24"	3.00	3.00	.064	—	.060
30"	3.75	4.25	.064	.064	.073
36"	4.50	3.50	.109	.064	.133
42"	5.25	2.75	.109	.064	.133
48"	6.00	2.00	.138	.064	.164
54"	6.75	1.25	.168	.064	—
60"	7.50	0.50	—	.075	—

① DENOTES 2 2/3" x 1/2"
② DENOTES 3" x 1" OR 23mm x 23mm CORRUGATION



SECTION C–C

N.T.S.

FULTON COUNTY STANDARD DETAIL 515
INLET HEADWALL – OUTLET HEADWALL
INLET HEADWALL
WITH TAPERED PIPE\FOR PIPES 60" – 96" DIA.

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. 515