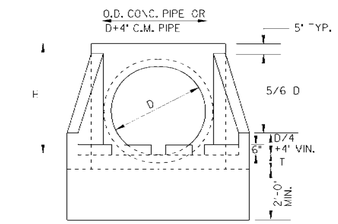
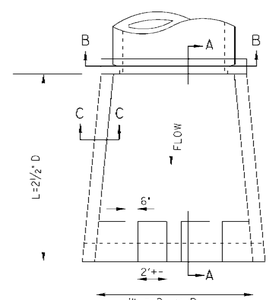
RELEASED FOR CONSTRUCTION 12/02/10

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

OUTLET HEADWALL

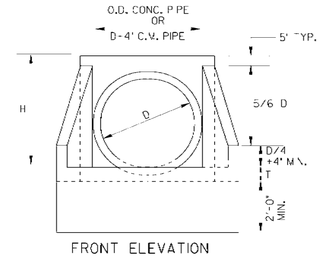


FRONT ELEVATION

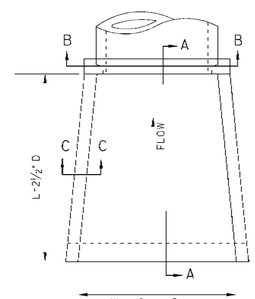


PLAN VIEW

INLET HEADWALL

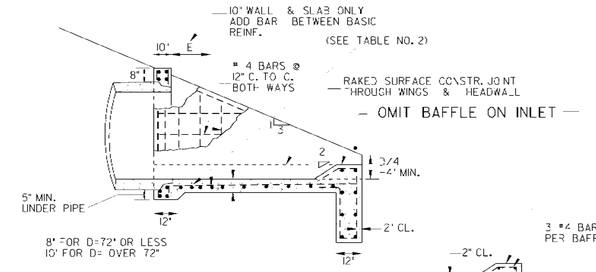


FRONT ELEVATION

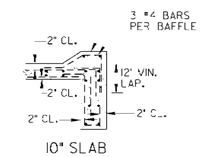


PLAN VIEW

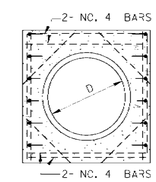
D = INSIDE DIAMETER OF PIPE



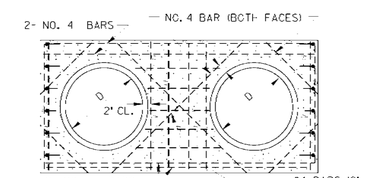
SECTION A-A



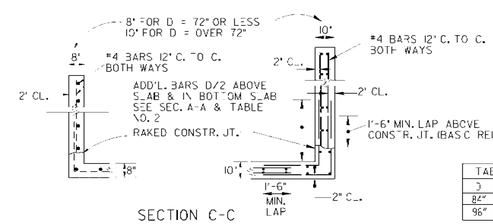
10" SLAB



SECTION B-B
(SINGLE PIPE LINE)

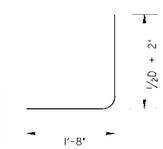


SECTION B-B
(MULTIPLE PIPE LINE)



SECTION C-C

TABLE NO. 2		
D	ADD'L.BAR	E
84"	#4	5'
96"	#4	8'



ADDITIONAL BAR DETAIL

TABLE NO. - QUANTITIES FOR HEADWALLS

	CU. YDS. CONCRETE (PAY QUANTITIES) *						LBS. STEEL (GIVEN FOR INFORMATION ONLY)				
	FOR SINGLE LINE			ADD FOR ADD'L LINE			FOR SINGLE LINE			ADD FOR EACH ADD'L LINE	
D	INLET	OUTLET		INLET	OUTLET		INLET	OUTLET		INLET	OUTLET
15"	0.87	0.93		0.60	0.66		102	113		73	83
18"	.10	1.16		0.85	0.93		106	117		93	104
24"	.61	1.69		1.29	1.37		127	138		124	134
30"	2.21	2.32		1.83	1.96		170	180		154	164
36"	2.92	3.05		2.49	2.63		238	254		196	212
42"	3.73	3.87		3.00	3.17		290	306		23	247
48"	4.62	4.80		3.58	3.74		335	351		265	281
54"	5.63	5.83		4.17	4.38		407	428		319	340
60"	6.72	6.95		4.82	5.01		456	477		360	391
72"	9.22	9.48		6.24	6.46		623	649		475	494
84"	14.84	15.19		9.05	9.29		1517	1539		10 7	1044
96"	18.88	19.27		11.13	11.41		218	2150		1323	1350

*NOTE:
QUANTITIES SHOWN WILL BE ACTUAL PAY QUANTITIES FOR CLASS "A" CONCRETE, INCLUDING REINFORCED STEEL. NO ADJUSTMENT WILL BE MADE FOR AS BUILT QUANTITIES.

D - INSIDE DIAMETER OF PIPE CULVERT

H = D + 10" MIN. FOR C.M. PIPE

H = D + PIPE WALL THICKNESS + 8" FOR CONC. PIPE
(13/12 D + 9" TYP.)

T = 8" FOR D = 72" OR LESS
T = 10" FOR D = OVER 72"

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
TAPERED
INLET HEADWALL - OUTLET HEADWALL
(BUILT-IN-PLACE)

NO SCALE — REV. & REDR. OCT., 999

DATE | REVISION | BY

DES. ____ DRW. ____ TRA. ____ CHK. ____

(SUBMITTED: STATE ROAD & AIRPORT DESIGN ENGR.)
(APPROVED) CHIEF ENGINEER

NUMBER 1125