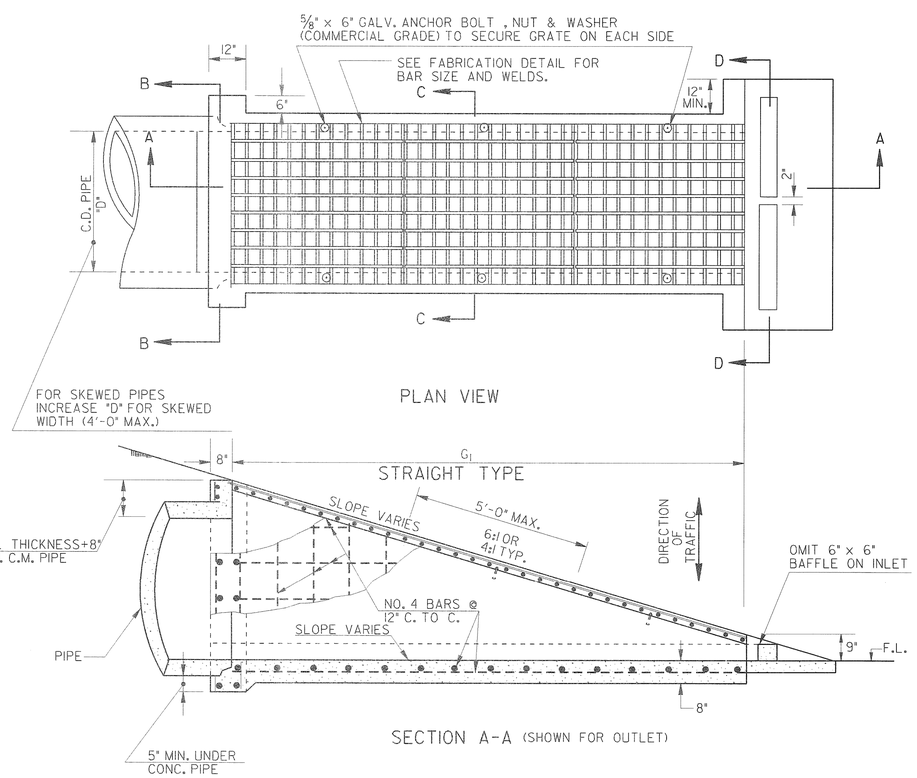
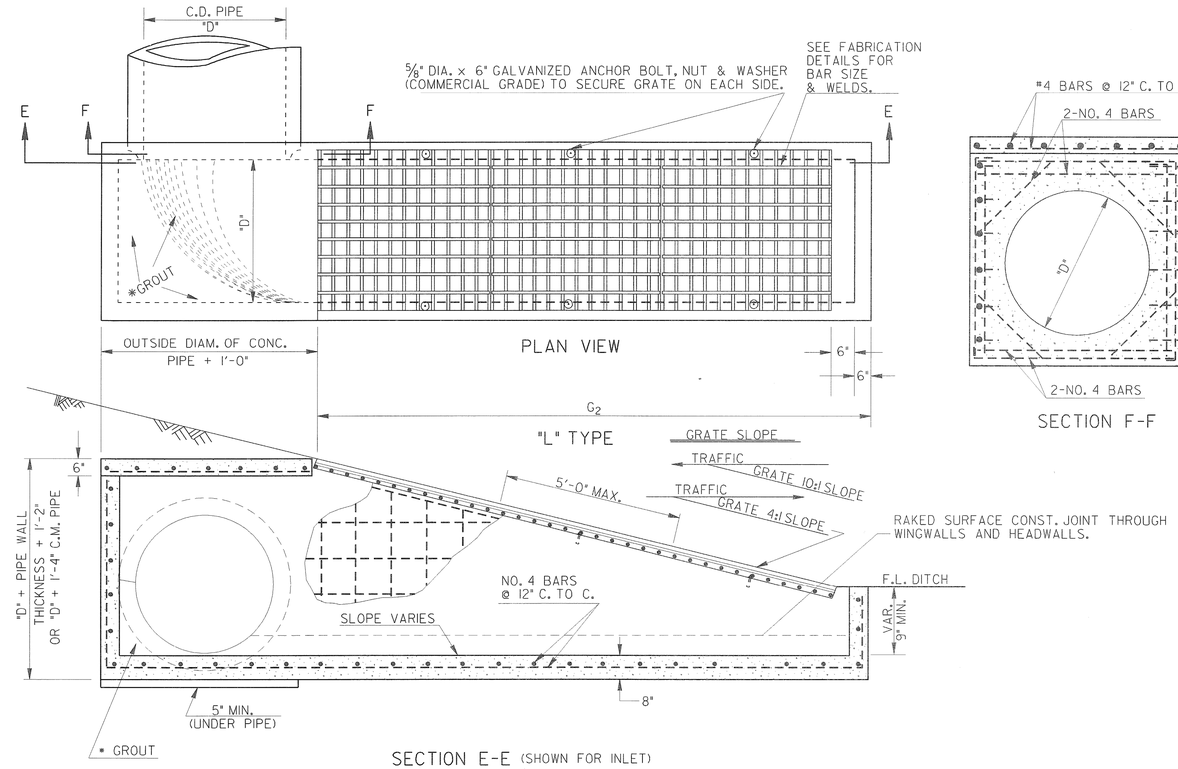
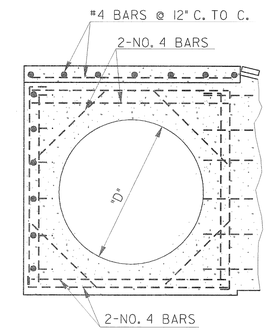






NOTE: A MAXIMUM TRANSVERSE SPACE OF 3" IS PERMITTED BETWEEN ABUTTING GRATE SECTIONS.

MINIMUM LENGTH OF GRATE **		
SIZE	G_1	G_2
15"	6'-0"	8'-0"
18"	7'-0"	9'-0"
24"	9'-6"	11'-6"
30"	11'-6"	13'-6"
36"	14'-0"	15'-6"
42"	16'-0"	18'-0"
48"	18'-0"	20'-0"

** TYPICAL FOR 4:1 SLOPES

NOTE:

* GROUT IS TO MEET THE REQUIREMENTS OF SECTION 834.

SPECIAL NOTE:

TYPICAL USE OF THESE STRUCTURES IS WHERE THE ENDS OF STORM DRAIN PIPES UNDER THE MAINLINE FALL INSIDE THE CLEAR ZONE.

FOR DETAILS OF SAFETY END SECTIONS (FOR SIDE DRAIN PIPE OR STORM DRAIN PIPE PARALLEL TO MAINLINE), SEE SEPARATE DETAILS.

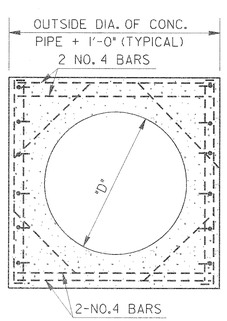
SUMMARY OF QUANTITITES				
CUL V'T DIAM. INCHES	STRAIGHT TYPE		'L" TYPE	
	CONC. CU.YDS.	REINF. STEEL LBS.	CONC. CU.YDS.	REINF. STEEL LBS.
15"	0.96	71	1.49	136
18"	1.07	75	1.87	142
24"	1.93	111	2.69	197
30"	2.52	179	3.63	248
36"	3.30	220	5.07	315
42"	3.90	298	6.10	427
48"	4.90	353	7.28	510

BASIS OF PAYMENT:

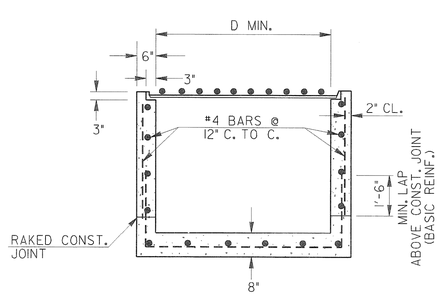
HEADWALL - CU. YDS. OF CONC. INCLUDING REINF. STEEL

GRATE-SAFETY GRATE TYPE _____ SQUARE FEET

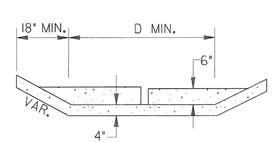
NOTE: QUANTITIES ARE TYPICAL FOR 4:1 SLOPE.



SECTION B-B



SECTION C-C



SECTION D-D

					DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
					CONSTRUCTION DETAILS - HEADWALLS - SAFETY INLETS WITH GRATES
					SCALE: 1/2"=1'-0" JULY, 1970
					DESIGNED J.L.P. DRAWN J.M.W. TRACED A.V.S. CHECKED H.R.
					D-5

REVISION	BY	DATE
GEN. REVISION	R.M.U.	6-21-95
GRATE SLOPE	J.L.P.	10-4-72
ANCHOR BOLTS	J.L.P.	4-20-72
GRATE REVISED	J.L.P.	3-1-71