STORM DRAIN PIPE

STRUCTURE NO.	STATION	SIDE	H=1-10' 18"	H=1-10' 24"	CATCH BASIN, GP 1 GA STDS. 1033D H=5' EA	DROP INLET, GP 1 GA STDS. 1019A, TYPE E W/MOUNTABLE HOOD EA	DROP INLET, GP 1 ADDITIONAL DEPTH (>6') FT	DROP INLET, GP 1 GA STDS. 9031S EA	MANHOLE TYPE 1 GA STDS. 1011A EA	MANHOLE TYPE 1 ADDITIONAL DEPTH (>6') FT	FLARED END SECTION STD. 1120 QTY	SIZE	SIZE	SAFETY INLET WITH GRATE D-5, 6 GRATE TYPE (STRAIGHT) QTY	GRATE AREA FT²	CONC. W\ REIN. STEEL YD³	CLASS A CONCRETE FOR TOEWALL YD³	SLOPE DRAIN PIPE - 1.01N FT	CLASS B CONCRETE OUTLET APRON YD³	Rip Rap, Type 1 24" (YD2) YD²	Rip Rap, Type 3 24" (YD2) YD²	PLASTIC FILTER FABRIC YD²
SR 96																						
X30	1076+25		180								2	18					0.185				35.00	35.00
X25	1079+42		188								2	18									55.00	55.00
X26	1103+50		136								2	18					0.185				65.00	65.00
X27	1105+60			148							2		24				0.222				72.00	72.00
W94	1071+50	M	108					1			1	18					0.185					
W95	1075+00	M	120					1														
W96	1076+25	M						1														
N1	1111+85	RT	8						1	0.5	1	18										
C1	1078+30	M	112			1																
C2	1079+42	M				1	0.72															
C3	1079+40	LT									1		24									
C4	1079+42	M				1	3.78															
C5	1083+75	M				1	3.90															
C6	1084+50	M				1																
B1	1091+14	LT			1													120	0.17			
B2	1093+45	LT			1													68	0.17			
B3	1090+94	RT			1													80	0.17			
B4	1092+90	RT			1													64	0.17			
B5	1096+66	LT			1													68	0.17			
B6	1098+91	LT			1													60	0.17			
B7	1096+12	RT			1													60	0.17			
B8	1098+69	RT			1													128	0.17			
CR 173																						
X49	11+50		136								4	18							0.37		50.00	50.00
X50	17+00		112								4	18							0.37		85.00	85.00
CR 100																						
X51	23+25		72											4	80	8			0.37	35.56		
FLUMES																						
F1	1087+02	LT																			5.0	5.0
F2	21+03 RAMPG	RT																			5.0	5.0
F3	30+20 RAMPF	RT																			5.0	5.0
F4	1102+02	RT																			5.0	5.0
F5	1104+57	RT																			5.0	5.0
SR 96 TEMPORARY																						
T1	1083+75	M						1			1	18										
T2	1091+00	M									1	18						140				
T3	1098+79	M									2	18						180				
T4	1105+50	M									2	18						80				
SUB TOTAL			1668	176			8.40				22						1.702	1042	1.36	36	114	150
AS DIRECTED			40	12			0.60				1						0.298	58	.64	14	36	50
TOTALS			1708	188	8	5	9.00	4	1	0.5	23 3	18" 24"			80	8	2.0	1100	2.0	50	150	200

SIDE DRAIN PIPE

STATION	SIDE	H + 1-10' LIN. FT. 15"	18"	24"	30"	SAFETY END SECTION STD. 1122 15"	18"	24"	30"
1068+13	LT		72				2		
1071+50	LT		36				2		
1072+32	RT		40				2		
1082+82	LT		104				2		
1082+82	RT		144				2		
1106+20	LT		36				2		
12+94 CR173	RT			168				2	
24+55 CR100	LT		20				2		
SUB TOTAL			452				14	2	
AS DIRECTED			48	12					
TOTALS			500	180			14	2	

DITCH PROTECTION

LOCATION BEGIN STATION	END STATION	SIDE	DITCH BOTTOM WIDTH (FT)	DEPTH OF PROT. (FT)	TURF REIN MATTING, TYPE 6 (YD²)
SR 96					
1074+50	1076+50	LT	2	1.25	2400
1080+50	1085+50	LT	2	1.00	5000
1070+00	1076+25	RT	2	1.00	6250
1078+00	1079+00	RT	2	1.00	1000
1079+42	1084+50	RT	2	1.00	5080
1119+50	1125+00	RT	2	0.50	3300
CR 100					
23+50	28+00	LT	2	1.00	3600
SUBTOTAL					28130
AS DIR. BY ENG.					1870
TOTALS					30000

CONCRETE FLUME

STR. NO.	STATION	SIDE	LENGTH FT	CLASS B CONC. YD³	REIN. STEEL LBS
	SR 96				
F1	1087+02	LT	18	4	66
F4	1102+02	RT	24	5	74
F5	1104+57	RT	36	7	90
	RAMP G				
F2	21+03	RT	77	12	145
	RAMP F				
F3	30+20	RT	82	13	151
	SUB TOTAL			40	526
	AS DIR			1	24
TOTALS				41	550

WATER QUALITY

ITEM	UNIT	TOTAL
WATER QUALITY MONITORING AND SAMPLING	EA	8
WATER QUALITY INSPECTIONS	MO	24

PERMANENT EROSION CONTROL

ITEM	UNIT	TOTAL
EROSION CONTROL MATS, SLOPES	SQ. YD.	12200
EROSION CONTROL MATS, WATERWAYS	SQ. YD.	1000
PERMANENT GRASSING	ACRE	20
AGRICULTURAL LIME	TON	60
FERTILIZER MIXED GRADE	TON	28
FERTILIZER NITROGEN CONTENT	LB	1000

TEMPORARY EROSION CONTROL

ITEM	UNIT	TOTAL
TEMPORARY GRASSING	ACRE	20
MULCH	TON	120
CONSTRUCT AND REMOVE TEMP PIPE SLOPE DRAIN	LIN FT	1300
CNST/REM RIP RAP CKDM, STN P RIPRAP/SN BG	EACH	130
CONSTR AND REM FAB CK DAM - TP C SLT FN	LIN FT	8750
CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	EACH	7
CONSTRUCTION EXIT	EACH	6
TEMPORARY SILT FENCE, TYPE A	LIN FT	4800
MAINTENANCE OF TEMPORARY SILT FENCE, TP A	LIN FT	2400
TEMPORARY SILT FENCE, TYPE C	LIN FT	22000
MAINTENANCE OF TEMPORARY SILT FENCE, TP C	LIN FT	11000
CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 2	EACH	3
CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	EACH	35
MAINTENANCE OF INLET SEDIMENT TRAP	EACH	7
MAINT. OF CONSTRUCTION EXIT	EACH	6
MAINTENANCE OF SILT CONTROL GATE, TP 2	EACH	3
MAINTENANCE OF SILT CONTROL GATE, TP 3	EACH	35
MAINTENANCE OF CHECK DAMS, ALL TYPES	LIN FT	5675

GEORGIA
DEPARTMENT OF TRANSPORTATION

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN
SUMMARY OF QUANTITIES
SR 96 @ I-16

DRAWING No. 06-003