SUMMARY OF DRAINAGE QUANTITIES

NOTE: THE CONTRACTOR SHALL PROVIDE ADDITIONAL STORM SEWER CAPACITY CALCULATIONS IF A PIPE MATERIAL OTHER THAN CONCRETE IS SELECTED.

PIPE CULVERT MATERIAL ALTERNATES

DRAINAGE STRUCTURE NUMBER	LOCATION	TYPE OF PIPE INSTALLATION	CONCRETE	CORRUGATED STEEL AASHTO M-36 ALUMINUM COATED (TYPE 2) CORR. STEEL	CORRUGATED STEEL AASHTO M-36 PLAIN ZINC COATED	CORRUGATED ALUMINUM AASHTO M-196 PLAIN UNCOATED ALUMINUM	PLASTIC CORR. POLY-ETHYLENE AASHTO M-252	PLASTIC CORR. POLY-ETHYLENE SMOOTH-LINED AASHTO M-294 TYPE S	PLASTIC POLY VINYL CHLORIDE (PVC) PROFILE WALL AASHTO-304
		LONGITUDINAL INTERSTATE AND TRAVEL BEARING	X						
		LONGITUDINAL NONINTERSTATE AND NONTRAVEL BEARING	X	X		X		X	X
		STORM DRAIN / CROSS DRAIN / GRADE ≤ 10% / ADT < 250	X	X	X	X		X	X
		STORM DRAIN / CROSS DRAIN / GRADE ≤ 10% / 250 < ADT < 1500	X			X			
		STORM DRAIN / CROSS DRAIN / GRADE ≤ 10% / ADT > 1500	X						
		STORM DRAIN / CROSS DRAIN / GRADE > 10% / ADT < 250		X	X	X		X	X
		STORM DRAIN / CROSS DRAIN / GRADE > 10% / ADT > 250				X			
		SIDE DRAIN	X	X	X	X		X	X
		PERMANENT SLOPE DRAIN		X	X	X		X	X
		PERFORATED UNDERDRAIN		X	X	X	X	X	

DRAINAGE STRUCTURE NUMBER	LOCATION	LINEAR FEET SLOPE DRAIN 18"	SLOPE DRAIN 24"	STORM DRAIN 15"	STORM DRAIN 18"	STORM DRAIN 24"	STORM DRAIN 30"	STORM DRAIN 36"	STORM DRAIN 48"	MAXIMUM HEIGHT OF FILL OVER PIPE (FT)	FOUNDATION BACK FILL MAT'L (TP 11 CY)	FLARED END SECTIONS GA. STD. 1120 STORM DRAIN (EA / SZ)	SAFETY END SECTIONS GA. STD. 1120 SIDE DRAIN (EA / SZ)	STRUCTURE DEPTH (H) (LF)	DROP INLETS GP 1 GA. STD. 5001 M1 6 FT OR LESS (EA)	ADD'L DEPTH (LF)	GA. STD. 5001 M2 6 FT OR LESS (EA)	ADD'L DEPTH (LF)	GA. STD. 1019 A TYPE "B" WITH WEIR 6 FT OR LESS (EA)	ADD'L DEPTH (LF)	GA. STD. 9031S 6 FT OR LESS (EA)	ADD'L DEPTH (LF)	DROP INLETS GP 2 GA. STD. 5001 M1 6 FT OR LESS (EA)	ADD'L DEPTH (LF)	GA. STD. 5001 M2 6 FT OR LESS (EA)	ADD'L DEPTH (LF)	GA STD 9031U CLASS A CONC. COLLAR (EA)	GA STD 1125 CLASS A CONC. HEADWALL INCL REINF STEEL (CY)	MANHOLE GA. STD. 1011 A TYPE 1 42" OR LESS 6 FT OR LESS (EA)	ADD'L DEPTH CLASS 1 (LF)	ADD'L DEPTH CLASS 2 (LF)	ADD'L DEPTH CLASS 3 (LF)	TYPE 2 48" TO 84" 6 FT OR LESS (EA)	ADD'L DEPTH CLASS 1 (LF)	ADD'L DEPTH CLASS 2 (LF)	ADJUST M.H. TO GRADE (EA)	RECONSTRUCT M.H. (EA)	CLASS B CONC. (FLUMES AND SPILLWAY APRON) (CY)	JACK OR BORE PIPE - 18" (LF)	JACK OR BORE PIPE - 24" (LF)	JACK OR BORE PIPE - 30" (LF)	COMMENTS
C-7	168+50, CENTERLINE					50								6.20				1	1																						
C-6	169+00, CENTERLINE						77							7.22				1	2																						
C-2	169+27, 122' LT.																																								EXIST CROSS DRAIN INLET 9 X 10 BOX CLVT
C-1	169+27, 126' RT.																																								EXIST CROSS DRAIN OUTLET 9 X 10 BOX CLVT
C-5	169+77, CENTERLINE													8.05				1	3																					89	PROPOSED JACK OR BORE
C-4	169+77, 95' RT.																																								TIE PIPE TO FLUME
C-3	169+77, 125' RT.																																								FLUME OUTLET
C-28	170+50, CENTERLINE				73									5.46				1																							
C-29	171+50, CENTERLINE				100									5.09				1																							
C-30	172+50, CENTERLINE				100									5.09				1																							
C-31	174+30, CENTERLINE				180									5.04				1																							
C1-1	176+50, 117' LT.																																								
C1-2	176+83, CENTERLINE													4.49				1																							USE EXIST MEDIAN OUTLET PIPE
C1-3	178+50, CENTERLINE				167									5.16				1																							
C1-4	181+00, CENTERLINE				250									4.97				1																							
C2-2	183+73, CENTERLINE													5.74				1																					105		PROPOSED JACK OR BORE
C2-1A	183+73, 109' RT.																																								TIE PIPE TO FLUME
C2-1	183+73, 134' RT.																																								FLUME OUTLET
C2-3	186+00, CENTERLINE				227									5.02				1																							
C2-4	188+50, CENTERLINE				250									4.96				1																							
C2-5	191+34, CENTERLINE				284									5.02				1																							EXISTING OUTLET NOT USED
C2-6	194+20, CENTERLINE				286									4.96				1																							
C2-7	196+20, CENTERLINE				200									5.40				1																							
C2-8	198+00, CENTERLINE				180									5.17				1																							
D1-5	201+40, CENTERLINE				260									4.96				1																							
D1-4	204+00, CENTERLINE				200									5.00				1																							
D1-3	206+00, CENTERLINE				135									5.03				1																							
D1-2	207+35, CENTERLINE													5.61				1																							USE EXIST MEDIAN OUTLET PIPE
D1-1	207+35, 137' RT.																																								
D-6	210+00, CENTERLINE				230									4.99				1																							
D-5	212+30, CENTERLINE				150									4.99				1																							
D-1	213+19, 150' RT.																																								EXIST CROSS DRAIN OUTLET 48" PIPE
D-2	213+94, 126' LT.																																								EXIST CROSS DRAIN INLET 48" PIPE
D-3	213+80, 150' RT.																																								TIE PIPE TO FLUME
D-3A	213+80, 99' RT.													12																											FLUME OUTLET
D-4	213+80, CENTERLINE													12.76				1	7																				122		PROPOSED JACK OR BORE
	SUB-TOTAL SHEET 2				3272	50	77											24	13																				227	89	

NOTE: FOR FLUME QUANTITIES SEE DRAWING 6-02
NOTE: FOR RIP RAP QUANTITIES SEE DRAWING 6-17

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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE:
QUANTITIES - DRAINAGE

DRAWING No. 6-05