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 II 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)	GA. STD. 5001 M1 ADD'L DEPTH (LF)	GA. STD. 5001 M2 6 FT OR LESS (EA)	GA. STD. 5001 M2 ADD'L DEPTH (LF)	GA. STD. 1019 A TYPE "B" WITH WEIR 6 FT OR LESS (EA)	GA. STD. 1019 A TYPE "B" WITH WEIR ADD'L DEPTH (LF)	GA. STD. 9031S 6 FT OR LESS (EA)	GA. STD. 9031S ADD'L DEPTH (LF)	DROP INLETS GP 2: GA. STD. 5001 M1 6 FT OR LESS (EA)	GA. STD. 5001 M1 ADD'L DEPTH (LF)	GA. STD. 5001 M2 6 FT OR LESS (EA)	GA. STD. 5001 M2 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)	TYPE 1: ADD'L DEPTH CLASS 1 (LF)	TYPE 1: ADD'L DEPTH CLASS 2 (LF)	TYPE 1: ADD'L DEPTH CLASS 3 (LF)	TYPE 2 48" TO 84": 6 FT OR LESS (EA)	TYPE 2: ADD'L DEPTH CLASS 1 (LF)	TYPE 2: ADD'L DEPTH CLASS 2 (LF)	TYPE 2: ADJUST M.H. TO GRADE (EA)	TYPE 2: 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
D-7	215+00, CENTERLINE					120								9.79				1	4																				
D-8	215+86, CENTERLINE					86								8.50				1	3																				EXISTING OUTLET NOT USED
D-9	216+50, CENTERLINE				64									7.43				1	2																				
D-10	216+96, CENTERLINE				46									6.75				1	1																				
D-11	217+40, CENTERLINE				44									6.03				1	1																				
D-12	217+83, CENTERLINE				43									5.58				1																					
D-13	218+25, CENTERLINE				42									5.55				1																					
D-14	219+00, CENTERLINE				75									5.32				1																					
D-15	219+86, CENTERLINE				86									5.27	1																								EXISTING OUTLET NOT USED
D-16	220+40, CENTERLINE				54									5.40	1																								
D-17	221+10, CENTERLINE				70									5.29	1																								
D-18	221+80, CENTERLINE				70									5.14	1																								
D-19	223+40, CENTERLINE				160									4.96	1																								
E1-3	227+40, CENTERLINE				97									4.96	1																								
E1-2	228+37, CENTERLINE													4.79	1																								USE EXISTING MEDIAN OUTLET PIPE
E1-1	228+37, 101' RT.																																						
F-1	231+40, CENTERLINE				147									4.96	1																								
E-2	232+12, 115' LT.																																						EXIST CROSS DRAIN INLET 48" PIPE
E-1	232+12, 132' RT.																																						EXIST CROSS DRAIN OUTLET 48" PIPE
F-2	232+87, CENTERLINE				293									4.96	1																								EXISTING OUTLET NOT USED
F-3	235+80, CENTERLINE				160									4.96	1																								
F-4	237+40, CENTERLINE													4.66	1																								USE EXISTING MEDIAN OUTLET PIPE
F-5	238+10, 119' RT.																																						
F1-4	239+40, CENTERLINE				80									4.96	1																								EXIST CROSS DRAIN OUTLET 10 X 6 BOX CLVT
F1-1	239+90, 100' RT.																																						DROPS INTO 10 X 6 BOX CLVT
F1-3	240+20, CENTERLINE													9.53	1	4																							EXIST CROSS DRAIN INLET 10 X 6 BOX CLVT
F1-2	240+48, 101' LT.																																						
F1-5	241+40, CENTERLINE						120							7.27	1	2																							
F1-6	241+70, CENTERLINE						30							1.00	1																								EXISTING OUTLET NOT USED
F1-7	242+40, CENTERLINE						70							6.18	1	1																							
F1-8	243+60, CENTERLINE						120							6.10	1	1																							
F1-9	245+00, CENTERLINE						140							6.10	1	1																							
	SUB-TOTAL SHEET 3				1531	206	480								18	9	8	11																					

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. 6-06