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						
		STORM DRAIN – 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
F1-10	246+49, CENTERLINE					149								5.57				1																					EXISTING OUTLET NOT USED
F1-11	247+89, CENTERLINE					140								5.58				1																					
F1-12	249+00, CENTERLINE					111								5.64				1																					
F1-13	250+80, CENTERLINE					180								5.63				1																					
F2-1	252+76, 122' LT.																																						EXIST CROSS DRAIN OUTLET 30" PIPE
F2-2	253+36, 98' RT.																																						EXIST CROSS DRAIN INLET 30" PIPE
F1-14	253+40, CENTERLINE					260								5.61				1																					
F1-15	256+38, CENTERLINE				298									5.17				1																					
F1-16	257+50, CENTERLINE				112									5.25				1																					
F3-1	258+39, 188' LT.																																						EXIST CROSS DRAIN OUTLET 30" PIPE
F3-2	258+39, 102' RT.																																						EXIST CROSS DRAIN INLET 30" PIPE
F1-17	259+40, CENTERLINE				190									5.00				1																					
F1-18	262+10, CENTERLINE				270									5.17				1																					
F4-1	262+06, 127' LT.																																						EXIST CROSS DRAIN OUTLET 30" PIPE
F4-2	263+51, 128' RT.																																						EXIST CROSS DRAIN INLET 30" PIPE
F1-19	264+88, CENTERLINE				278									5.23				1																					EXISTING OUTLET NOT USED
F1-20	267+20, CENTERLINE				232									5.04				1																					
F1-21	270+00, CENTERLINE				280									5.26				1																					
G-6	279+60, CENTERLINE				65									5.40				1																					
G-5	280+25, CENTERLINE				64									5.11				1																					
G-4	280+89, CENTERLINE													6.10				1																					
G-3	280+89, 104' RT.																																						TIE TO EXISTING SYSTEM
H-22	282+70, CENTERLINE				130									5.03				1																					
G-1	283+27, 127' RT.																																						EXIST CROSS DRAIN OUTLET 4 X 4 BOX CLVT
H-21	284+00, CENTERLINE				130									5.15				1																					
G-2	284+17, 123' LT.																																						EXIST CROSS DRAIN INLET 4 X 4 BOX CLVT
H-20	285+30, CENTERLINE				118									5.40				1																					
H-19	286+48, CENTERLINE				102									5.61				1																					
H-18	287+50, CENTERLINE				95									4.96				1																					
H-17	288+45, CENTERLINE				92									4.96	1																								
H-16	289+37, CENTERLINE				113									4.96	1																								EXISTING OUTLET NOT USED
H-15	290+50, CENTERLINE				110									4.96	1																								
H-14	291+60, CENTERLINE				110									4.96	1																								
H-13	292+70, CENTERLINE				110									4.96	1																								
	SUB-TOTAL SHEET 4				2899	840									5			20																					

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. 6-07