SUMMARY OF DRAINAGE QUANTITIES

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

DRAINAGE STRUCTURE NUMBER	LOCATION	PIPE CULVERT MATERIAL ALTERNATES: 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	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)	DROP INLETS GP 1: GA. STD. 5001 M1 ADD'L DEPTH (LF)	DROP INLETS GP 1: GA. STD. 5001 M2 6 FT OR LESS (EA)	DROP INLETS GP 1: GA. STD. 5001 M2 ADD'L DEPTH (LF)	DROP INLETS GP 1: GA. STD. 1019 A TYPE "B" WITH WEIR 6 FT OR LESS (EA)	DROP INLETS GP 1: GA. STD. 1019 A TYPE "B" WITH WEIR ADD'L DEPTH (LF)	DROP INLETS GP 1: GA. STD. 9031S 6 FT OR LESS (EA)	DROP INLETS GP 1: GA. STD. 9031S ADD'L DEPTH (LF)	DROP INLETS GP 2: GA. STD. 5001 M1 6 FT OR LESS (EA)	DROP INLETS GP 2: GA. STD. 5001 M1 ADD'L DEPTH (LF)	DROP INLETS GP 2: GA. STD. 5001 M2 6 FT OR LESS (EA)	DROP INLETS GP 2: 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)	MANHOLE TYPE 1: ADD'L DEPTH CLASS 1 (LF)	MANHOLE TYPE 1: ADD'L DEPTH CLASS 2 (LF)	MANHOLE TYPE 1: ADD'L DEPTH CLASS 3 (LF)	MANHOLE TYPE 2 48" TO 84": 6 FT OR LESS (EA)	MANHOLE TYPE 2: ADD'L DEPTH CLASS 1 (LF)	MANHOLE TYPE 2: ADD'L DEPTH CLASS 2 (LF)	MANHOLE TYPE 2: ADJUST M.H. TO GRADE (EA)	MANHOLE 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
		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																														
		GRADE ≤ 10% / 250 < ADT < 1500	X			X																																	
		GRADE ≤ 10% / ADT > 1500	X																																				
		GRADE > 10% / ADT < 250		X	X	X		X	X																														
		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																															
		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"																																					
S3-11	558+86, CENTERLINE				114										4.96	1																							EXISTING OUTLET NOT USED
S3-10	560+00, CENTERLINE				125										4.96	1																							
S3-9	561+25, CENTERLINE				120										4.96	1																							
S3-8	562+45, CENTERLINE				100										4.96	1																							
S3-7	563+45, CENTERLINE				41										4.96	1																							
S3-6	563+86, CENTERLINE				139										4.96	1																							EXISTING OUTLET NOT USED
S3-5	565+25, CENTERLINE				125										4.96	1																							
S3-2	565+57, 99' RT.																																						EXIST CROSS DRAIN OUTLET 30" PIPE
S3-4	566+50, CENTERLINE														4.96	1																				119			
S3-3	566+50, 124' LT.																												1.16										OUTLET HEADWALL
S3-1	567+90, 134' LT.																																						EXIST CROSS DRAIN OUTLET 30" PIPE
S2-1	568+11, 129' LT.																																						EXIST CROSS DRAIN OUTLET 30" PIPE
S2-2	568+11, 115' RT.																																						EXIST CROSS DRAIN INLET 30" PIPE
S1-13	569+00, CENTERLINE				137										5.31		1																						
S1-12	570+37, CENTERLINE				263										4.99		1																						EXISTING OUTLET NOT USED
S1-11	573+00, CENTERLINE				250										5.23		1																						
S1-10	575+50, CENTERLINE				250										4.97		1																						
S1-9	578+00, CENTERLINE				137										5.04		1																						
S1-8	579+37, CENTERLINE				163										4.96		1																						EXISTING OUTLET NOT USED
S1-7	581+00, CENTERLINE					81									5.74		1																						
S1-6	581+81, CENTERLINE					50									5.92		1																						
S1-2	581+86, 132' LT.																																						EXIST CROSS DRAIN INLET 8 X 7 BOX CLVT
S1-1	581+86, 136' RT.																																						EXIST CROSS DRAIN OUTLET 8 X 7 BOX CLVT
S1-5	582+31, CENTERLINE													1/30	6.55		1	1																			87	PROPOSED JACK OR BORE
S1-4	582+31, 90' RT.																																						TIE PIPE TO FLUME
S1-3	582+31, 147' RT.																																						FLUME OUTLET
S1-14	582+54, CENTERLINE					23									6.25		1	1																					
S1-15	583+00, CENTERLINE					46									5.92		1																						
S1-16	583+40, CENTERLINE					40									5.74		1																						EXISTING OUTLET NOT USED
S1-17	584+60, CENTERLINE					120									5.76		1																						
S1-18	586+00, CENTERLINE				140										5.05		1																						
S1-19	588+00, CENTERLINE				200										5.02		1																						
T-1	588+49, 140' RT.																																						EXIST CROSS DRAIN OUTLET 30" PIPE
	SUB-TOTAL SHEET 11				2304	360								1/30		8	15	2											1.16								119	87	

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. 6-14