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)	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
11-4	328+50, CENTERLINE				220									5.00				1																					
11-5	330+90, CENTERLINE				240									5.04				1																					
11-6	333+38, CENTERLINE				248									5.13				1																					EXISTING OUTLET NOT USED
11-7	334+40, CENTERLINE				102									4.96				1																					
11-8	335+90, CENTERLINE				150									5.02				1																					
11-9	338+20, CENTERLINE				230									5.35				1																					
11-10	340+00, CENTERLINE				180									5.01				1																					
J-6	342+30, CENTERLINE				120									5.07				1																					
J-5	343+50, CENTERLINE				188									5.36	1																								
J-4	345+38, CENTERLINE													4.94	1																								
J-3	345+39, 92' RT.			10								1/15																											EXTEND EXISTING PIPE
J-2	346+95, 394' LT.																																						EXIST CROSS DRAIN INLET 7 X 7 BOX CLVT
K-12	348+00, CENTERLINE				191									4.96	1																								
J-1	348+82, 292' RT.																																						EXIST CROSS DRAIN OUTLET 7 X 7 BOX CLVT
K-11	349+91, CENTERLINE				209									4.96	1																								
K-10	352+00, CENTERLINE				188									4.96	1																								
K-9	353+88, CENTERLINE				192									4.96	1																								EXISTING OUTLET NOT USED
K-8	355+80, CENTERLINE				110									4.96	1																								
K-7	356+90, CENTERLINE					80								5.92	1																								
K-6	357+70, CENTERLINE					80								6.36	1		1																						
K-5	358+50, CENTERLINE					50								7.08	1		2																						PROPOSED JACK OR BORE
K-3A	358+50, RT.																																					115	TIE PIPE TO FLUME
K-3	358+50, 127' RT.																																						FLUME OUTLET
K-4	359+00, CENTERLINE													8.00	1		2																						
K-1	359+38, 133' RT.																																						EXIST CROSS DRAIN OUTLET 42" PIPE
K-13	359+38, CENTERLINE					38								5.73	1																								
K-14	359+90, CENTERLINE					52								5.64	1																								
K-15	360+50, CENTERLINE					60								5.56	1																								
K-16	361+09, CENTERLINE				59									4.96	1																								
K-2	361+46, 107' LT.																																						EXIST CROSS DRAIN INLET 42" PIPE
K-17	362+30, CENTERLINE				121									4.98			1																						
K-18	364+00, CENTERLINE				170									5.16			1																						
K-19	366+40, CENTERLINE				240									5.21			1																						EXISTING OUTLET NOT USED
K-20	368+20, CENTERLINE				180									4.96			1																						
	SUB-TOTAL SHEET 6			10	3338	360						1/15			15	5	12																					115	

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. 6-09