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 NON INTERSTATE AND NON TRAVEL 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
N5-5	479+05, CENTERLINE				185									5.16				1																						
N5-6	481+00, CENTERLINE				195									5.22				1																						
N7-1	481+98, 89' LT.																																							
N7-2	482+87, CENTERLINE													4.53				1																						
N7-3	484+50, CENTERLINE				163									5.05				1																						DROP INTO EXISTING 30" CROSS DRAIN
N7-4	486+30, CENTERLINE				180									5.02				1																						
N7-5	488+20, CENTERLINE				190									5.14				1																						
0-1	489+57, 93' RT.																																							
0-4	490+11, CENTERLINE													6.07				1	1																					
0-5	490+60, 86' LT.																																							
0-6	491+70, CENTERLINE				159									5.03				1																						
0-7	493+35, CENTERLINE				165									5.14				1																						
0-5	495+10, CENTERLINE				175									5.08				1																						
0-6	497+00, CENTERLINE				190									5.12				1																						
01-1	498+20, 115' LT.																																							
01-2	498+88, CENTERLINE													5.11				1																						USE EXISTING MEDIAN OUTLET PIPE
01-3	500+05, CENTERLINE				117									5.01				1																						
01-4	501+70, CENTERLINE				165									5.31				1																						
01-5	503+35, CENTERLINE				165									5.01				1																						
01-6	505+00, CENTERLINE				165									5.10				1																						
02-1	506+30, 99' RT.			5								1/15																												EXTEND EXISTING
02-2	506+88, CENTERLINE													5.01				1																						USE EXISTING MEDIAN OUTLET PIPE
02-3	507+70, CENTERLINE				82									5.12				1																						
02-4	509+20, CENTERLINE				150									5.01				1																						
02-5	510+70, CENTERLINE				150									5.29				1																						
02-6	512+20, CENTERLINE				150									5.38				1																						
02-7	513+70, CENTERLINE				150									5.08				1																						
P1-22	516+30, CENTERLINE				130									5.06				1																						
P1-21	517+60, CENTERLINE				130									5.47				1																						
P1-20	518+90, CENTERLINE				130									5.58				1																						
P1-19	520+20, CENTERLINE				160									5.75				1																						
P1-18	521+80, CENTERLINE				156									5.67				1																						
P1-17	523+36, CENTERLINE				164									5.91				1																						EXISTING OUTLET NOT USED
P1-16	525+00, CENTERLINE				150									5.80				1																						
P1-15	526+50, CENTERLINE				150									5.90				1																						
P1-14	528+00, CENTERLINE					150								6.56				1	1																					
	SUB-TOTAL SHEET 9			5	4066	150						1/15						31	2																					

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. 6-12

GPLN
$$$$SCTDA $$$$SCTDB $$$$SCTDC $$$$SCTDD $$$$SCTDE
$$$$SCTDA
$:\PROJECTS\2005 JBT\T08-85\DESIGN\DGN\002434QTY-DRAIN.DGN
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