SUMMARY OF DRAINAGE QUANTITES

STRUCTURE NUMBER	STATION : LOCATION		STRUCTURE TYPE	GRADE AND FILL: APPROXIMATE GRADE OF PIPE (%)	GRADE AND FILL: MAXIMUM HEIGHT OF FILL OVER PIPE (METERS)		FLARED END SECTIONS: FLARED END SECTIONS GA. STD. 1120 FES STORM DRAIN (EACH)	SAFETY FLARED END SECTIONS GDOT CONSTRUCTION DETAIL D-5 (EACH)	MILLIMETERS (SIZE)
HH-4A	17+950.0	LT	1033D CB	1.23	1.3				
HH-4B	17+970.0	LT	1033D CB	4.20	1.0				
HH-4C	18+020.0	LT	1011A MH	2.38	1.0				
HH-4D	18+020.0	LT	1033D CB	4.20	1.0				
HH-5	17+936.0	LT	9031U PC						
HH-6	17+936.0	RT	RECONSTR. CB						
HH-7	17+936.0	RT	1034D CB	0.30	0.8				
HH-7A	17+950.0	RT	1033D CB	0.30	1.0				
HH-7B	17+980.0	RT	1033D CB	0.30	1.4				
HH-7C	18+000.0	RT	1033D CB	2.12	0.8				
HH-8	17+920.0	RT	1033D CB	0.30	1.1				
HH-9	17+880.0	RT	JB (SPECIAL DESIGN)	0.50	1.6				
HH-10	17+863.0	RT	1120 FES				1		900
HA-1	12+672.0	RT	1011A MH						
II-1	18+230.0	RT	1033D CB						
II-1A	18+150.0	RT	1033D CB	2.27	0.8				
II-1B	18+200.0	RT	1033D CB	1.07	0.8				
II-1C	18+220.0	RT	1034D	2.08	1.3				
II-1D	18+280.0	RT	1033D CB	2.72	1.3				
II-2	18+230	RT							
II-3	18+230	RT							
JJ-1	CROSSTOWN DR. 10+020..0	RT	1019B DI	0.60	1.0				
JJ-2	CROSSTOWN DR. 10+032.0	RT	1033D CB	0.86	1.2				
JJ-3	CROSSTOWN DR. 10+061.0	RT	1019A DI	0.72	1.3				
JJ-4	CROSSTOWN DR. 10+128.0	RT	1033D CB	3.24	1.0				
JJ-5	CROSSTOWN DR. 10+215.0	RT	1033D CB	5.64	0.8				
JJ-6	CROSSTOWN DR. 10+270.0	RT	1033D CB	3.55	1.0				
JJ-7	CROSSTOWN DR. 10+333.0	RT	1033D CB	0.50	1.0				
JJ-7A	CROSSTOWN DR. 10+043.0	LT	1033D CB	0.64	1.3				
JJ-7B	CROSSTOWN DR. 10+128.0	LT	1033D CB	4.08	1.3				
JJ-7C	CROSSTOWN DR. 10+165.0	LT	1033D CB	4.48	0.9				
JJ-7D	CROSSTOWN DR. 10+240.0	LT	1033D CB	4.16	1.0				
JJ-7E	CROSSTOWN DR. 10+333.0	LT	1033D CB	1.38	1.1				
JJ-8	CROSSTOWN DR. 10+333.0	RT	1120 FES				1		600
SUBTOTALS							1		600
							1		900
TOTAL							6	1	450
							12		600
							10		750
							10	2	900
							5		1050

STRUCTURE NUMBER	CATCH BASINS GROUP 1 (900 mm or less): 2 METERS OR LESS GA STD 1033D CB (EACH)	ADDITIONAL DEPTH (LINEAR METERS)	2 METERS OR LESS GA STD 1034D CB (EACH)	ADDITIONAL DEPTH (LINEAR METERS)	2 METERS OR LESS GA STD 1034G CB (EACH)	ADDITIONAL DEPTH (LINEAR METERS)	2 METERS OR LESS GA STD 1033G CB (EACH)	ADDITIONAL DEPTH (LINEAR METERS)	CATCH BASINS GROUP 2: 2 METERS OR LESS (1050 mm or more) GA STD 1033D CB (EACH)	ADDITIONAL DEPTH (LINEAR METERS)	2 METERS OR LESS (1050 mm or more) GA STD 1034D CB (EACH)	ADDITIONAL DEPTH (LINEAR METERS)	HEADWALLS: HEADWALLS GA STD 1125 HDW SAFETY GRATE BASIN (+ REBAR) (TYPE)	CLASS A CANC GA STD 1125 HDW SAFETY GRATE BASIN (+ REBAR) (CUBIC METERS)
HH-4A	1													
HH-4B	1													
HH-4C														
HH-4D			1											
HH-5														
HH-6														
HH-7									1	0.1				
HH-7A									1	0.5				
HH-7B									1	0.8				
HH-7C	1													
HH-8									1	0.5				
HH-9														
HH-10														
HA-1														
II-1	1	0.5												
II-1A	1													
II-1B	1													
II-1C			1											
II-1D	1													
II-2														
II-3														
JJ-1														
JJ-2	1													
JJ-3														
JJ-4	1													
JJ-5	1													
JJ-6	1													
JJ-7	1													
JJ-7A	1													
JJ-7B	1													
JJ-7C	1													
JJ-7D	1													
JJ-7E	1													
JJ-8														
SUBTOTALS	17	0.5	2	0	0	0	0	0	4	1.9	0	0	0.0	0.0
TOTAL	144	47.2	8	3.1	3	0	17	5.8	14	25.5	2	4.5	36.9	1615

STRUCTURE NUMBER		PIPE CULVERTS (LINEAR METERS): 450 mm	600 mm	750 mm	900 mm	1050 mm	1200 mm	1350 mm
HH-4A		13.2						
HH-4B		19.1						
HH-4C		49.0						
HH-4D		1.5						
HH-5								
HH-6								
HH-7							14.6	
HH-7A							13.5	
HH-7B							29.1	
HH-7C		29.2						
HH-8							39.1	
HH-9					20.4			
HH-10								
HA-1								
II-1								
II-1A		48.7						
II-1B		19.0						
II-1C		9.3						
II-1D		48.6						
II-2								
II-3								
JJ-1		11.8						
JJ-2		27.7						
JJ-3		66.5						
JJ-4		86.1						
JJ-5			54.2					
JJ-6			62.1					
JJ-7			5.6					
JJ-7A		84.0						
JJ-7B		36.3						
JJ-7C			74.3					
JJ-7D			91.9					
JJ-7E			12.0					
JJ-8								
SUBTOTALS	CL III	550.0	300.1	0.0	20.4	0.0	96.3	0.0
	CL IV							
	CL V							
TOTAL	CL III	4832	1200	284	341.3	149.9	284.1	0.0
	CL IV	0	0	31.5	27.4	0	121	0
	CL V	0	0	20	26	0	16	0

STRUCTURE NUMBER	DROP INLETS: 2 METERS OR LESS DROP INLET GA STD 9031L DI (EACH)	ADDITIONAL DEPTH (LINEAR METERS)	2 METERS OR LESS DROP INLET GA STD 9031S DI (EACH)	ADDITIONAL DEPTH (LINEAR METERS)	2 METERS OR LESS DROP INLET GA STD 1019A TYPE A DI (EACH)	ADDITIONAL DEPTH (LINEAR METERS)	2 METERS OR LESS DROP INLET GA STD 1019B V-1 DI (EACH)	ADDITIONAL DEPTH (LINEAR METERS)	JUNCTION BOX (EACH)
HH-4A									
HH-4B									
HH-4C									
HH-4D									
HH-5									
HH-6									
HH-7									
HH-7A									
HH-7B									
HH-7C									
HH-8									
HH-9									
HH-10									
HA-1									
II-1									
II-1A									
II-1B									
II-1C									
II-1D									
II-2									
II-3									
JJ-1							1		
JJ-2									
JJ-3					1	0.1			
JJ-4									
JJ-5									
JJ-6									
JJ-7									
JJ-7A									
JJ-7B									
JJ-7C									
JJ-7D									
JJ-7E									
JJ-8									
SUBTOTALS	0	0	0	0	1	0.1	1	0	0
TOTAL	1	0.0	6	0.4	8	0.1	16	10.0	11

STRUCTURE NUMBER	MANHOLES: 2 METERS OR LESS TYPE 1 MANHOLE GA STD 1011A MH (EACH)	ADDTIONAL DEPTH CLASS 1 2M-3M TYPE 1 MANHOLE GA STD 1011A MH (LINEAR METERS)	ADDTIONAL DEPTH CLASS 2 3M-6M TYPE 1 MANHOLE GA STD 1011A MH (LINEAR METERS)	ADDTIONAL DEPTH CLASS 3 6M-9M TYPE 1 MANHOLE GA STD 1011A MH (LINEAR METERS)	ADDTIONAL DEPTH CLASS 4 9M-14M TYPE 1 MANHOLE GA STD 1011A MH (LINEAR METERS)	2 METERS OR LESS TYPE 2 MANHOLE GA STD 1011A MH (EACH)	ADDTIONAL DEPTH CLASS 1 2M-3M TYPE 2 MANHOLE GA STD 1011A MH (LINEAR METERS)	ADDTIONAL DEPTH CLASS 2 2M-6M TYPE 2 MANHOLE GA STD 1011A MH (LINEAR METERS)	ADDTIONAL DEPTH CLASS 3 2M-9M TYPE 2 MANHOLE GA STD 1011A MH (LINEAR METERS)	ADDTIONAL DEPTH CLASS 4 2M-14M TYPE 2 MANHOLE GA STD 1011A MH (LINEAR METERS)	RECONSTRUCTION MANHOLE (EACH)	ADJUSTMENT TO GRADE (EACH)	
HH-4A													
HH-4B													
HH-4C	1												
HH-4D													
HH-5													
HH-6											1		
HH-7													
HH-7A													
HH-7B													
HH-7C													
HH-8													
HH-9													1
HH-10													
HA-1												1	
II-1													
II-1A													
II-1B													
II-1C													
II-1D													
II-2													
II-3													
JJ-1													
JJ-2													
JJ-3													
JJ-4													
JJ-5													
JJ-6													
JJ-7													
JJ-7A													
JJ-7B													
JJ-7C													
JJ-7D													
JJ-7E													
JJ-8													
SUBTOTALS	1	0	0	0	0	0	0	0	0	0	1	1	1
TOTAL	13	11.5	7.0	0.0	0.0	5	0.0	9.5	8.5	0.0	3	1	5

USE ON CONSTRUCTION

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF ROAD DESIGN