STATE	PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
GEORGIA	NHS00-0003-00(621)	16	297

SUMMARY OF DRAINAGE QUANTITIES

STR. NO.	LOCATION	PLAN SHEET NO.	PIPE GRADE	MAX. HT. OF FILL	STORM DRAIN PIPE 18" H 1-10	18" H 20-25	24" H 1-10	24" H 20-25	30" H 15-20	30" H 20-25	36" H 1-10	36" H 10-15	48" H 10-15	FLARED END SECTIONS GA. STD. 1120 STORM 18"	24"	30"	36"	SAFETY END SECTIONS GA. STD. 1122 STORM 18"	24"	30"	36"	CL. A CONC. INCL. REINF. STEEL (HEADWALL GA.STD. 1125)	DROP INLETS GPI INLET TYPE	ADDITIONAL DEPTH	STONE DUMPED RIP RAP TP1 18"	STONE DUMPED RIP RAP TP3 18"	PLASTIC FILTER FABRIC	MANHOLE GA STD 1011A MANHOLE TYPE 1	ADDITIONAL DEPTH CL1	CL2	CL3	JUNCTION BOX GA STD 9031U	FOUNDATION BACKFILL TYPE II	REPLACE STRUCTURE TOP WITH GA STD 9031S	SIDE DRAIN 18" H 1-10	SAFETY END SECTION 18" 4:1 SLOPE	SAFETY END SECTION 18" 6:1 SLOPE	TEMPORARY 15" PIPE	TEMPORARY 18" PIPE
			%	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	CY	EA.	LF	SY	SY	SY					EA.	CY	EA.	LF	EA	EA	LF	LF
V1	STA 2010+00	13-01	1.77	2							5										1																			
U1	STA 2010+00	13-01	2.94	2							10										1																			
D2-D1	STA 20+37	13-02																2								20	20													
D4-D3	STA 29+78	13-02					46												2							20	20													
E1-E2	STA 2032+63	13-02	1.00	11									119									9.42			50		50						15							
P5-P6	STA 122+41	13-03	7.27	24		139								2												20	20													
I1-I2	STA 1005+95	13-05	13.6	4	12																											1								
L1	STA 211+40	13-06	0.50	7			212																1																	
M1-M2	STA 213+83	13-06	0.50				82								1								1																	
N1-N2	STA 112+31	13-06	10.0	7	70									1									1																	
O1	STA 113+59	13-06																																1						
O2-O3	STA 113+59	13-06	0.61	6	91									1														1												
P1-P2	STA 114+29	13-06	2.27	4			108								2																									
	STA 1011+48.40	13-06												1																										
Q1-Q2	STA 319+68	13-07	4.26	22				144							2										20		20													
Q4-Q5	STA 321+15	13-07	2.00	17					55														1	4				1												
Q5-Q6	STA 321+15	13-07	1.00	24						115						1									20		20													
R1.1-R1	STA 1039+70	13-07	5.97	5							56						1						1																	
R2	STA 1039+70	13-07	1.48	11								21					1								25		25													
T1-T2	STA 419+30	13-07	0.49	6	95									2																										
S1-S2	STA 1040+82	13-07	1.50	6	10									1																		1								
	TEMPORARY DRAINAGE																																							
	2017+06.50	26-01																																						92
	2023+60	26-02																																					42	
	DRIVEWAY																																							
	STA. 2016+30 (LT)	13-01																																		45	1	1		
	STA. 2013+50 (LT)	13-01																																		45	1	1		
	STA. 2021+24 (LT)	13-02																																						
	STA. 2025+16 (LT)	13-02																																		35	1	1		
	STA. 23+25 (RT)	13-02																																		38	1	1		
	STA. 2052+85 (LT)	13-04																																						
	STA. 2052+85 (RT)	13-04																																						
	STA. 2054+35 (LT)	13-04																																		23	1	1		
				TOTAL	278	139	448	144	55	115	71	21	119	8	5	1	2	2	2		2	9.42	5	4	115	60	175	2				2	15	1	186	5	5	42	92

REM HEADWALL (EA)	
K1 - STA 1012+31 RT (I-20)	1
K2 - STA 1012+31 LT (I-20)	1
R1.1 - STA 1039+70 LT (I-20)	1
R2 - STA 1039+70 RT (I-20)	1
TOTAL	4

CONCRETE SPILLWAY (TYPE 1)

SHEET NO.	LOCATION	CONCRETE SPILLWAY	18" SLOPE DRAIN PIPE	STN DUMPED RIP RAP TP 3 18"	PLASTIC FILTER FABRIC
		EA	LF	SY	SY
13-03	2039+74.59 LT	1	22	20	20
13-03	2039+74.59 RT	1	9	20	20
13-03	2043+00.59 LT	1	4	20	20
13-03	2043+00.59 RT	1	4	20	20
13-08	1046+50 RT (EXT.)		10	20	20
	TOTAL	4	49	100	100

CONCRETE BOX CULVERT QUANTITIES

STR. NO.	LOCATION	PLAN SHEET NO.	SKEW	LENGTH OF BARREL OR EXTENSION (LF)	BARREL GA. STD. NO.	DESIGN	REMOVE WINGWALLS AND PARAPETS (LS)	WINGWALLS AND PARAPETS GA. STD. NO.	CLASS 'A' CONCRETE (CY)	BAR REINF. STEEL (LB)	HEIGHT OF FILL (FT)	FOUNDATION BACKFILL MA'TL. TYPE II (CY)	APRON QUANTITIES GA. STD. 2332 CLASS 'A' CONC. (CY)	BAR REINF. STEEL (LB)	SIZE	STONE DUMPED RIP RAP, TP1 18" (SY)	PLASTIC FILTER FABRIC (SY)
K1	1012+31 RT (I-20)	13-06	60°	25	2325	1	LUMP	2331	45	3700	6.6	14	0	0	DOUBLE 5 x 4		
K2	1012+31 LT (I-20)	13-06	60°	39	2325	1	LUMP	2331	55	5300	8.8	22	5	320	DOUBLE 5 x 4	125	125
	TOTAL								100	9000		36	5	320		125	125

REVISIONS

△	DATE	BY	DESCRIPTION	△	DATE	BY	DESCRIPTION
	3/4/11	NB	SEE REVISION SUMMARY				

Moreland Altobelli Associates, Inc.
2211 Beaver Ruin Road
Suite 190
Norcross, Georgia 30071
Telephone (770) 263-5945

	NAME	DATE		NAME	DATE		NAME	DATE
DESIGNED BY			DRAWN BY			QUANTITIES BY		
CHECKED BY			CHECKED BY			CHECKED BY		
SUPERVISED BY								

Department of Transportation
State of Georgia

I-20 / THOMSON WEST BYPASS INTERCHANGE
SUMMARY OF QUANTITIES
DRAINAGE QUANTITIES

DRAWING NUMBER 6-04