

- A N. O. I. IS REQUIRED FOR THIS PROJECT.
- ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE PLACED IN KIND I.E. ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE, AND AGGREGATE SURFACE COURSE FOR DIRT DRIVES. DRIVEWAY RELOCATIONS ARE SHOWN FROM THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL CONSTRUCT NEW DRIVEWAYS TO MATCH THE ACTUAL FIELD LOCATION OF EXISTING DRIVEWAYS OR AS LOCATED IN THE PLANS. RESIDENTIAL DRIVES SHALL BE 14 FEET WIDE AT THE THROAT UNLESS NOTED OTHERWISE IN THE PLANS. COMMERCIAL DRIVES SHALL BE 24 FEET WIDE UNLESS NOTED OTHERWISE IN THE PLANS. THE CONTRACTOR SHALL OBTAIN THE APPROVAL FROM THE ENGINEER PRIOR TO MAKING ANY REVISIONS TO LOCATION, WIDTH, AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. REQUIRED DRIVEWAY EASEMENTS NOT SHOWN ON THE PLANS SHALL BE ACQUIRED. DRIVES SHALL BE CONSTRUCTED USING STANDARD 9031H AND AS FOLLOWS:

 ASPHALT - ASPH CONC 9.5mm SUPERPAVE (135 LBS/SY)
 ASPH CONC 19.0mm SUPERPAVE (220 LBS/SY)
 ASPH CONC 25.0mm SUPERPAVE (440 LBS/SY)
 GRADED AGGREGATE BASE, 10"

 CONCRETE - RESIDENTIAL - DRIVEWAY CONCRETE, 6" THICK
 COMMERCIAL - DRIVEWAY CONCRETE, 8" THICK

 AGGR. SURF. CRS. - 6" IN DEPTH
- THE CONTRACTOR IS RESPONSIBLE FOR SECURING ANY NECESSARY ENVIRONMENTALLY APPROVED BORROW AND/OR WASTE SITES. THE COST FOR THIS WORK WILL NOT BE MEASURED OR PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR LUMP SUM GRADING COMPLETE FOR THIS PROJECT.
- THE REMOVAL OF ANY SECTION OF THE EXISTING ROADWAY, EXISTING ASPHALT, EXISTING DRAINAGE STRUCTURES, EXISTING HEADWALLS SHALL BE INCLUDED IN THE OVERALL BID PRICE FOR GRADING COMPLETE.



UTILITY OWNER	SERVICE
BULLOCH RURAL TELEPHONE CO.	Telephone
EXCELSIOR EMC	Electric

ENVIRONMENTAL RESOURCES IMPACT TABLE

Resource Name/ Type	Location		Side	Construction Activity	Permitted Activity	Controlling Criteria	Special Provision?	Comments Including any Permit Expiration Dates
	Beg. Sta.	End Sta.						
Mann Branch Stream #2	13+15	13+70	Both	None (outside of proj. limits)	N/A	Section 404 MWP 23	N/A	No activities are to occur within the stream. Any activity within the ESA may require a permit modification prior to commencement of the activity.
Stream #2 Buffer	12+64.55	13+94.50	Both	None (outside of proj. limits)	Contractor Is not allowed within the buffer.	Georgia Erosion & Sedimentation Control Act	N/A	No activities are to occur within the stream buffer. Any activity within the ESA may require a buffer variance prior to commencement of the activity. (Orange Barrier Fence Is to be Installed per the plans to prevent any Impacts to the ESA)
Wetland #1	10+29.50	17+02.50	Both	Roadway Construction	0/0 ac Impacts	Section 404 MWP 23	N/A	Impacts are allowed within the construction limits. Permit expires 3/18/2012. (Orange Barrier Fence Is to be Installed per the plans to prevent any Impacts to the ESA)
Wetland #4	14+35 (CR 927)	16+55 (CR 927)	Left	None (no Impacts)	N/A	Section 404 MWP 23	N/A	No activities are to occur within the ESA. Any activity within the ESA may require a permit modification prior to commencement of the activity.
Wetland #7	22+75.60	25+85.40	Both	Roadway Construction	0.08ac Impacts	Section 404 MWP 23	N/A	Impacts are allowed within the construction limits. Permit expires 3/18/2012. (Orange Barrier Fence Is to be Installed per the plans to prevent any Impacts to the ESA)

PIPE CULVERT MATERIAL ALTERNATES FOR COASTAL PLAIN REGION								
TYPE OF PIPE INSTALLATION	C O N C R E T E	CORRUGATED STEEL AASHTO M-36		CORRU- GATED ALUMINUM AASHTO M-196	PLASTIC			
		ALUMINUM COATED (TYPE 2) CORR. STEEL	PLAIN ZINC COATED	PLAIN UNCOATED ALUMINUM	CORR. POLY- ETHYLENE AASHTO M-292	CORR. POLY- ETHYLENE SMOOTHED LINED AASHTO M-294 TYPE "S"	POLY VINYL CHLORIDE (PVC) PROFILE WALL AASHTO M-304	POLY VINYL CHLORIDE (PVC) CORRUGATED SMOOTH INTERIOR ASTM F-949
LONGITUDINAL INTERSTATE AND TRAVEL BEARING	X							
LONGITUDINAL NON- INTERSTATE AND NON- TRAVEL BEARING	X	X		X	X	X	X	X
S T O R M D R A I N	C R O S S D R A I N	ADT < 250	X	X		X	X	X
		250 < ADT < 1500	X		X	X	X	X
		1500 < ADT < 15000	X			X	X	X
		ADT > 15000	X					
GRADE > 10%	ADT < 250		X	X	X	X	X	
	ADT > 250			X	X	X	X	
SIDE DRAIN	X	X		X	X	X	X	
PERMANENT SLOPE DRAIN		X	X	X	X	X	X	
PERFORATED UNDERDRAIN		X	X	X	X	X	X	

NOTE:

- ALLOWABLE MATERIALS ARE INDICATED BY AN "X".
- STRUCTURAL REQUIREMENTS OF STORM DRAIN PIPE WILL BE IN ACCORDANCE WITH GEORGIA STANDARD 1030-D OR 1030-P, WHICHEVER IS APPLICABLE, AND THE STANDARD SPECIFICATIONS.
- GRADED AGGREGATE BACKFILL SHALL BE USED IN CROSS DRAIN APPLICATIONS FOR ALL PLASTIC PIPES (AASHTO M-294, HDPE PIPE; AASHTO M-304, PVC PIPE; ASTM F-949, PVC PIPE).
- THE CONTRACTOR SHALL PROVIDE ADDITIONAL STORM SEWER CAPACITY CALCULATIONS IF A PIPE MATERIAL OTHER THAN CONCRETE IS SELECTED.

GEORGIA DEPARTMENT OF TRANSPORTATION	REVISION DATES 2-10-11	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: JESUP ROAD DESIGN
		GENERAL NOTES
		DRAWING No. 4-1