

1. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE REPLACED IN KIND I.E. ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE, AND GRAVEL OR DIRT DRIVES ARE TO BE RECONSTRUCTED WITH ASPHALT. WHERE REQUIRED, DRIVES SHALL BE CONSTRUCTED AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE DRIVEWAY SUMMARY:

GRAVEL OR DIRT DRIVES - RECYCLED ASPH CONC. 9.5 mm SUPERPAVE, TYPE 1, INCL BITUM MATL & H LIME (135 LBS./ SQ. YD.) GRADED AGGREGATE BASE, 6"

ASPHALT DRIVES - RECYCLED ASPH CONC. 9.5 mm SUPERPAVE, TYPE 1, INCL BITUM MATL & H LIME (135 LBS./ SQ. YD.) GRADED AGGREGATE BASE, 6"

CONCRETE DRIVES - RESIDENTIAL - DRIVEWAY CONCRETE, 6" THICK

DRIVES SHALL BE PAVED TO THE R/W LINE OR TIE-IN POINT, WHICHEVER IS FURTHER.



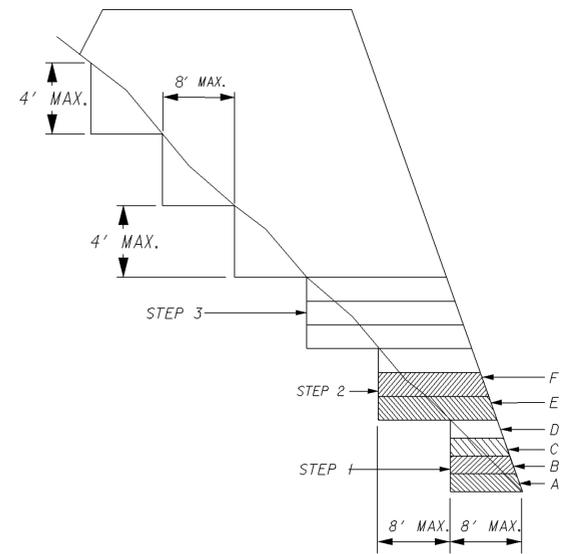
Know what's below. Call before you dig.

NO SUE INVESTIGATION
 UTILITY OWNERS SERVICE
 1. WINDSTREAM TELEPHONE / TELECOMMUNICATIONS
 2. MIDDLE GEORGIA EMC ELECTRIC

2. A NOI IS REQUIRED FOR THIS PROJECT.
3. THERE IS NO SUITABLE PLACE TO BURY THE EXISTING BRIDGE / CONSTRUCTION DEBRIS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTALLY APPROVED SITE TO DISPOSE OF THE EXISTING BRIDGE / CONSTRUCTION DEBRIS AT NO ADDITIONAL COST TO THE DEPARTMENT.
4. ALL BORROW AND WASTE SITES FOR THIS PROJECT SHALL BE ENVIRONMENTALLY APPROVED PRIOR TO CONSTRUCTION ACTIVITIES OCCURRING IN THEM. ALL COMMON FILL OR EXCESS MATERIAL DISPOSED OUTSIDE THE PROJECT RIGHT OF WAY SHALL BE PLACED IN EITHER A PERMITTED SOLID WASTE FACILITY, A PERMITTED INERT WASTE LANDFILL OR IN AN ENGINEERED FILL. SEE SECTION 201 OF THE STANDARD SPECIFICATION AND SUPPLEMENTS THERETO FOR ADDITIONAL INFORMATION.
5. THE DIVERSION CHANNEL SHALL BE COVERED IN GRADING AND COMPLETE PAY ITEM AND ALL MATERIALS REQUIRED FOR THE DIVERSION CHANNEL ARE TO BE INCLUDED IN GRADING AND COMPLETE PAY ITEM.

PH	6.1
RESISTIVITY	10001

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-252	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 AASHTO F-949
LONGITUDINAL INTERSTATE AND TRAVEL BEARING	X							
LONGITUDINAL NON-INTERSTATE AND NON-TRAVEL BEARING	X	X		X		X	X	X
C R O S S D R A I N	GRADE ≤ 10%	ADT < 250	X	X	X	X	X	X
		250 < ADT < 1500	X		X		X	X
		1500 < ADT < 15,000	X				X	X
		ADT > 15,000	X					
D R A I N	GRADE > 10%	ADT < 250		X	X	X	X	X
		ADT > 250			X		X	X
SIDE DRAIN	X	X	X	X		X	X	X
PERMANENT SLOPE DRAIN			X	X	X		X	X
PERFORATED UNDERDRAIN			X	X	X	X		X



1. WHERE THE EMBANKMENT IS TO BE PLACED ON A HILLSIDE OR ANOTHER EXISTING EMBANKMENT HAVING A SLOPE OF 3 TO 1 OR STEEPER, THE FOUNDATION MUST BE BENCHED WHILE THE EMBANKMENT IS BEING MADE. (SEE DIAGRAM AT LEFT.)
2. THE DIAGRAM SHOWS THAT BEFORE LAYER "A" IS PLACED THE FIRST STEP IS TO (1) CUT INTO THE SLOPE A MAXIMUM DISTANCE OF ABOUT 8 FEET (ABOUT 3/4 THE WIDTH OF THE TYPICAL D-8 BULLDOZER BLADE). SUCCESSIVE LAYERS B, C, AND D ARE THEN PLACED BEFORE LAYER "E" IS PLACED. THE SECOND STEP IS CUT 8 FEET INTO THE SLOPE AND SUCCESSIVE LAYERS ARE AGAIN PLACED. IF IT IS ANTICIPATED THAT THE VERTICAL PART OF THE STEP WILL EXCEED 4 FEET IF A 8 FEET HORIZONTAL CUT IS MADE, THEN THE ACTUAL CUT STOPS WHEN THE VERTICAL PART REACHES A MAXIMUM OF 4 FEET ALLOWING THE HORIZONTAL DISTANCE TO VARY.
3. THE PROCESS OF BENCHING IS CONSIDERED INCIDENTAL TO THE ITEM OF UNCLASSIFIED EXCAVATION AND BORROW OR GRADING COMPLETE IN CONSTRUCTION OF THE EMBANKMENT AND NO ADDITIONAL MEASUREMENT OF QUANTITY OR PAYMENT WILL BE MADE FOR BENCHING.

BENCHING DETAIL
 Revised 9/29/08 NO SCALE

- 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.
 - PIPE USED UNDER MECHANICALLY STABILIZED EARTH (MSE) WALLS, WITHIN MSE WALL BACKFILL, OR WITHIN FIVE FEET OF AN MSE WALL FACE SHALL BE CLASS V CONCRETE PIPE.
 - PROJECT SPECIFIC PH AND RESISTIVITY VALUES ARE ENTERED INTO THE RESPECTIVE BOXES ABOVE TO DETERMINE ALLOWABLE PIPE MATERIALS.
- REV. 03-22-10

	REVISION DATES	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: PROGRAM DELIVERY
	GENERAL NOTES	SR 230 AT TURKEY CREEK
		DRAWING No. 4-001