

PH 5.2
Resistivity 9700

Project: I-85 @ SR 18 & SR 18 @ SR 103

County: TROUP

P.I. Number: 0009975

Pipe Culvert Material Alternates

PIPE TYPE

TYPE OF INSTALLATION	PIPE TYPE									
	CONCRETE	STEEL			ALUMINUM	THERMOPLASTIC				
	REINFORCED CONCRETE AASHTO M-170	CORRUGATED STEEL ALUMINUM COATED (TYPE 2) AASHTO M-36	CORRUGATED STEEL PLAIN ZINC COATED AASHTO M-36	POLYMER COATED STEEL AASHTO M-245	CORRUGATED ALUMINUM AASHTO M-196	CORRUGATED HDPE AASHTO M-252	CORRUGATED SMOOTH LINED HDPE TYPICAL AASHTO M-252	CORRUGATED SMOOTH LINED POLYPROPYLENE AASHTO M-330	PVC CORRUGATED SMOOTH INTERIOR AASHTO F-949	PVC Profile Wall Drain Pipe AASHTO M-304
S T O R E	NON-TRAVEL BEARING (OUTSIDE ROADBED)	INTERSTATE	X							
		NON INTERSTATE	X	X		X	X	X	X	X
D R A I N	TRAVEL BEARING (INSIDE ROADBED)	ADT < 1,500	X	X		X	X	X	X	X
		1,500 < ADT < 5,000	X	X		X	X	X	X	X
		5,000 < ADT < 15,000	X	X		X	X	X	X	X
		ADT > 15,000 & INTERSTATES	X							
	GRADE > 10%				X		X	X	X	X
	SIDE DRAIN	X	X		X		X	X	X	X
	PERMANENT SLOPE DRAIN		X	X	X		X	X	X	X
	PERFORMED UNDER DRAIN		X	X	X	X	X	X	X	X

1. A N.O.I. IS REQUIRED FOR THIS PROJECT.

2. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED WILL BE PAVED BACK TO THE TIE IN POINT OR REQUIRED RIGHT OF WAY, WHICHEVER IS GREATER. ALL DRIVEWAYS OVER 17% IN GRADE SHOULD BE PAVED IN KIND. ALL OTHER DRIVEWAYS SHALL BE REPLACED AS FOLLOWS: ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE AND ASPHALT FOR EARTH/GRAVEL DRIVES. 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. EXISTING DRIVEWAY LOCATIONS ARE SHOWN FROM THE BEST AVAILABLE DATA; THE CONTRACTOR SHALL CONSTRUCT DRIVEWAYS TO MATCH THE LOCATION OF EXISTING DRIVEWAYS AT THE TIE IN POINT, IF APPLICABLE. 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. DRIVES SHALL BE CONSTRUCTED USING:

RESIDENTIAL:
ASPHALT 165 LB/SY RECYCLED ASPHALT CONC. 12.5 MM SUPERPAVE. GP 2 ONLY, INCL BITUM MATL & H LIME. GRADED AGGREGATE BASE, 6".

CONCRETE - DRIVEWAY CONCRETE, 6 IN THICK, (URBAN SHOULDER) CONC VALLEY GUTTER, 6 IN.

COMMERCIAL:
ASPHALT 165 LB/SY RECYCLED ASPHALT CONC. 12.5 MM SUPERPAVE. GP 2 ONLY, INCL BITUM MATL & H LIME. 220 LB/SY RECYCLED ASPHALT CONC. 19 MM SUPERPAVE. GP 1 OR 2, INCL BITUM MATL & H LIME. GRADED AGGREGATE BASE, 6".

CONCRETE - DRIVEWAY CONCRETE, 8 IN THICK, (URBAN SHOULDER) CONC VALLEY GUTTER, 8 IN.

3. THERE IS NO KNOWN SUITABLE PLACE TO BURY EXISTING CONSTRUCTION DEBRIS WITHIN THE PROJECT'S LIMITS. THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTALLY APPROVED SITE AS SHOWN IN GA. SPECIFICATION 201 TO DISPOSE OF 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.

BOX CULVERT REQUIREMENTS

5. MINIMUM FILL HEIGHT FROM TOP OF CULVERT TO BOTTOM OF BASE WITHIN TRAVEL WAY SHALL BE 12 INCHES.

MAXIMUM POUR LENGTH SHALL NOT EXCEED 30 FEET ALONG THE LENGTH OF THE CULVERT.

6. TRAVERSE CONSTRUCTION JOINTS SHALL BE PLACED IN THE BARREL, NORMAL TO THE CENTERLINE OF CULVERT, AT THE OUTSIDE SHOULDER BREAK POINTS. LONGITUDINAL BARREL REINFORCING STEEL SHALL NOT BE CONTINUOUS THROUGH THESE JOINTS, PROVIDED THAT THE JOINTS ARE MORE THAN 15 FEET FROM THE BARREL ENDS. WHEN TRAVERSE CONSTRUCTION JOINTS OCCUR WITHIN 15 FEET OF THE BARREL ENDS OR WITHIN THE LIMITS OF THE PAVEMENT, THE LONGITUDINAL BARREL REINFORCING SHALL THEN BE CONTINUOUS THROUGH SUCH JOINTS. THE MINIMUM LENGTH OF LAP SPLICE FOR LONGITUDINAL REINFORCING SHALL BE 24 INCHES.

7. TRAVERSE CONSTRUCTION JOINTS PLACED AT ANY OTHER LOCATION NOT SPECIFIED ABOVE SHALL BE FORMED WITH NO LONGITUDINAL REINFORCING STEEL PASSING THROUGH THE JOINTS.

- ALL RAMP AND SIDEWALKS WITHIN RADI/ WILL BE CONSTRUCTED IN 8" CONCRETE
- THE CONTRACTOR SHALL ENSURE THAT NO CONSTRUCTION-RELATED ACTIVITIES (SUCH AS THE USE OF STAGING, EASEMENT, CONSTRUCTION, VEHICULAR USE, BORROW OR WASTE ACTIVITIES, SEDIMENT BASINS, TRAILER PLACEMENT, ETC.) OCCUR UNDER THE DRIP LINE OF DESIRED TREES THAT WILL REMAIN IN THE ROW. THIS DOES NOT APPLY TO TREES WITHIN THE CONSTRUCTION LIMITS OR LIMITS OF DISTURBANCE THAT WILL BE REMOVED OR DESTROYED TO ALLOW FOR CONSTRUCTION.
- FOR DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION), DO NOT USE ANY SPECIES OR CULTIVARS OF SPECIES THAT ARE ON THE GDOT LIST OF NON-NATIVE INVASIVE PLANTS (6755-9, TABLE 5.1), OR THE GEORGIA EXOTIC PEST PLANT COUNCIL'S NON-NATIVE INVASIVE LIST IN CATEGORY 1, 2, OR 3. CATEGORY 4 PLANTS SHOULD BE AVOIDED IF POSSIBLE.
- IF USTs ARE ENCOUNTERED BY THE DEPARTMENT'S CONSTRUCTION PERSONNEL DURING PROJECT IMPLEMENTATION, THEY SHALL BE HANDLED IN ACCORDANCE WITH GDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, SECTION 217 - REMOVAL OF UNDERGROUND STORAGE TANKS.
- THE COST OF ANY SAW CUTTING IS TO BE INCLUDED IN THE COST OF GRADING COMPLETE.
- THE PRESENCE OF BOTH ALBIZIA JULIBRISSIN; MIMOSA AND HEDERA HELIX; ENGLISH IVY WAS IDENTIFIED WITHIN THE PROJECT LIMITS. THESE PLANTS ARE CLASSIFIED AS INVASIVE PLANTS IN THE STATE OF GEORGIA. PER SPECIFICATION SECTION 201-CLEARING AND GRUBBING RIGHT OF WAY, 201.3.05.A, STEPS SHOULD BE TAKEN TO PREVENT THE SPREAD OF INTRODUCED INVASIVE PEST SPECIES.
- REMOVAL AND RESETTING OF EXISTING SIGNS DURING STAGED CONSTRUCTION IS TO BE INCLUDED IN THE OVERALL BID FOR TRAFFIC CONTROL.

- Allowable materials are indicated by an "X".
- Structural, installation, fill height and backfill requirements of storm drain pipe will be in accordance with Georgia Standard 1030-D or 1030-P and the Standard Specifications.
- 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.

Rev. 1-12-16

UTILITY OWNER	SERVICE
AT&T	TELECOMMUNICATIONS
CHARTER COMMUNICATIONS	CABLE TV
CITY OF WEST POINT	POWER, GAS, WATER, TELECOMMUNICATIONS
DIVERSE POWER	POWER (DISTRIBUTION)
GDOT	TRAFFIC CONTROL LINES
GA POWER COMPANY	POWER (DISTRIBUTION)
GA POWER COMPANY	POWER (TRANSMISSION)
WIDE OPEN WEST	TELECOMMUNICATIONS

UTILITY LOCATION WAS PERFORMED BY SUE. QUALITY LEVEL B.



Engineering, Planning, and Environmental Consultants
Suite 350, 3930 East Jones Bridge Road
Peachtree Corners, Georgia 30092

REVISION DATES

NO.	DATE	DESCRIPTION

GENERAL NOTES

I-85 @ SR 18 & SR 18 @ SR 103

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	04-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	