## PROJECT SPECIFIC NOTES

1. A NOTICE OF INTENT FOR COVERAGE UNDER THE NPDES GENERAL PREMIT TO DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY IS REQUIRED FOR THIS PROJECT.

2. THE PRICE FOR GRADING COMPLETE INCLUDES THE REMOVAL OF CONCRETE SIDEWALK, CURB AND GUTTER, SIGNS, SIGNAL/PEDESTRIAN EQUIPMENT, FENCE, AND ANY OTHER MISCELLANEOUS STRUCTURES WITHIN THE PROJECT LIMITS.

3. ALL DRIVEWAYS SHALL BE PAVED TO THE REQUIRED R/W LINE OR THE TIE-IN POINT, WHICHEVER IS GREATER. DIRT DRIVEWAYS WILL BE PAVED WITH ASPHALT TO THE R/W LINE AND CONTINUED WITH AGGREGATE SURFACE COURSE TO THE TIE-IN POINT.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING AND FURNISHING HIS OWN BORROW/WASTE PITS FOR THIS PROJECT AT NO ADDITIONAL COST TO THE DEPARTMENT. FURTHERMORE, THE CONTRACTOR WILL NOTIFY THE DISTRICT MATERIALS ENGINEER A MINIMUM OF 6 WEEKS PRIOR TO ANY LAND DISTURBING ACTIVITIES ON THE BORROW/WASTE PIT SITE TO ALLOW AMPLE TIME FOR A MATERIALS INVESTIGATION AND AN ENVIRONMENTAL EVALUATION

## SIGNING AND MARKING GENERAL NOTES

1. ALL HIGHWAY SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS.
2. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR OR BY THE PROJECT ENGINEER WITHOUT PRIOR APPROVAL FROM THE OFFICE OF TRAFFIC OPERATIONS.
3. ALL HIGHWAY SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY.

4a. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON INTERSTATE HIGHWAYS SHALL BE 32 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), UNLESS SPECIFIED OTHERWISE IN THE PLANS. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON RAMPS SHALL BE 2 FEET FROM THE NORMAL EDGE OF THE PAVED SHOULDER, OR EDGE OF GRADED SHOULDER WHEN PRESENT.

4b. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON ALL OTHER ROADWAYS SHALL BE 6 FEET FROM THE EDGE OF THE PAVED SHOULDER OR 12 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), WHICHEVER IS GREATER. THE HORIZONTAL CLEARANCE IN NON-MOUNTABLE CURB SECTIONS SHALL BE AT LEAST 2 FEET FROM THE CURB FACE TO THE NEARER EDGE OF THE SIGN(S).

4c. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS MOUNTED BEHIND GUARDRAIL SHALL BE 6 FEET FROM THE GUARDRAIL TO THE NEARER EDGE OF THE SIGN(S).

5. SINGLE PLATE, HORIZONTAL RECTANGULAR SIGNS OVER 48 INCHES IN WIDTH SHALL BE MOUNTED ON TWO POSTS WITH 2 EACH, 2 INCH X 1/2 INCH X (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAPS. THE STRAPS SHALL BE FLUSH WITH THE BACK OF THE SIGN WITH ONE EACH ACROSS THE TOP AND BOTTOM OF THE SIGN. THE CENTERLINE OF EACH POST SHALL BE INSET 1/6TH OF THE SIGN WIDTH FROM THE EDGE OF THE SIGN. SIGN PLATE BOLT HOLES SHALL BE 3/8 INCH DIAMETER, DRILLED OR PUNCHED, AS SHOWN ON
6. EACH 42 INCH OR 48 INCH WIDE X 18 INCH OR 24 INCH HIGH SIGN REQUIRES ONE 2 INCH X 1/2 INCH X (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAP LOCATED IN THE CENTER OF THE SIGN AND FLUSH
7. SIGN ASSEMBLIES SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS, REFER TO SIGN ASSEMBLY TYPICAL FRAMING DETAILS.
8. TYPE III (ENCAPSULATED LENS) REFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS EXCEPT AS SPECIFIED BELOW OR SPECIFIED OTHERWISE IN THE PLANS. EITHER CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.
9. TYPE IX (WIDE ANGLE PRISMATIC) REFLECTIVE SHEETING SHALL BE USED FOR ALL RED SERIES SIGNS (R1-1, R1-2, R1-3a, R1-4a, R5-1 AND R5-1a).
10. TYPE IX (WIDE ANGLE PRISMATIC) FLUORESCENT YELLOW GREEN REFLECTIVE SHEETING SHALL BE USED FOR SCHOOL ZONE (S1-1, S2-1, S3-1, S4-3, AND THE TOP PORTION OF THE S5-1) SIGNS, BICYCLE CROSSING (W11-1) SIGNS, AND PEDESTRIAN CROSSING (W11-2 AND W11A-2) SIGNS. SIGNS WITHIN THE SAME ASSEMBLY AS THE SCHOOL ZONE SIGNS SPECIFICALLY LISTED ABOVE AND ALL REGULATORY SIGNS PLACED AS PART OF THE SCHOOL ZONE SIGNING SHALL HAVE TYPE VI (WIDE ANGLE PRISMATIC) REFLECTIVE SHEETING BACKGROUNDS OF THE APPROPRIATE COLOR.
11. TYPE IX (WIDE ANGLE PRISMATIC) FLUORESCENT YELLOW GREEN REFLECTIVE SHEETING SHALL BE USED
12. A 1/2 INCH MINIMUM AIR SPACE SHALL BE REQUIRED BETWEEN ALL SIGN PLATES WITHIN AN ASSEMBLY.
13. WHERE SIGNS WITHIN AN ASSEMBLY EXTEND BELOW THE STANDARD MOUNTING HOLES ON THE POST(S). ADDITIONAL 3/8 INCH DIAMETER HOLE(S), DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY
14. FOR DETAILS OF SPECIAL DESIGN HIGHWAY SIGNS, SEE DETAILS OF MISCELLANEOUS SIGNS.
15. CONTRACTOR WILL, AS REQUESTED BY THE DISTRICT TRAFFIC OPERATIONS ENGINEER, BE REQUIRED TO REMOVE ANY EXISTING SIGNS THAT ARE DUPLICATED OR ARE CONTRARY TO THESE SIGN PLANS.

## PIPE CULVERT MATERIAL ALTERNATES
### FOR PIEDMONT/BLUE RIDGE REGION

| TYPE OF PIPE INSTALLATION | | | | CONCRETE | 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 ASTM F-949 |
| STORM DRAIN | LONGITUDINAL INTERSTATE AND TRAVEL BEARING | | | X | | | | | | | |
| STORM DRAIN | LONGITUDINAL NON-INTERSTATE AND NON-TRAVEL BEARING | | | X | | | | | X | X | X |
| STORM DRAIN | CROSS DRAIN | GRADE ≤ 10% | ADT < 250 | X | | | | | X | X | X |
| STORM DRAIN | CROSS DRAIN | GRADE ≤ 10% | 250 < ADT < 1,500 | X | | | | | X | X | X |
| STORM DRAIN | CROSS DRAIN | GRADE ≤ 10% | 1,500 < ADT < 15,000 | X | | | | | X | X | X |
| STORM DRAIN | CROSS DRAIN | GRADE ≤ 10% | ADT > 15,000 | X | | | | | | | |
| STORM DRAIN | CROSS DRAIN | GRADE > 10% | ADT < 250 | | | | | | X | X | X |
| STORM DRAIN | CROSS DRAIN | GRADE > 10% | ADT > 250 | | | | | | X | X | X |
| SIDE DRAIN | | | | X | | | | | X | X | X |
| PERMANENT SLOPE DRAIN | | | | | X | X | X | | X | X | X |
| PERFORATED UNDERDRAIN | | | | | X | X | X | X | X | | X |

NOTE:

1. ALLOWABLE MATERIALS ARE INDICATED BY AN "X".
2. 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.
3. GRADED AGGREGATE BACKFILL SHALL BE IN ACCORDANCE WITH GEORGIA STANDARD 1030-D OR 1030-P, WHICHEVER IS APPLICABLE, AND THE STANDARD SPECIFICATIONS.
4. THE CONTRACTOR SHALL PROVIDE ADDITIONAL STORM SEWER CAPACITY CALCULATIONS IF A PIPE MATERIAL OTHER THAN CONCRETE IS SELECTED.

VOID

## DRIVEWAY RECONSTRUCTION MATERIALS

ASPHALT DRIVES ---- RESIDENTIAL: 135 LBS./SQ. YD. ASPH. CONC., 9.5 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME
GRADED AGGREGATE BASE COURSE, INCL MATL

COMMERCIAL: 135 LBS./SQ. YD. ASPH. CONC., 9.5 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME
220 LBS./SQ. YD. ASPH. CONC., 19 mm SUPERPAVE, GP 1 OR GP 2, INCL BITUM MATL & H LIME
330 LBS./SQ. YD. ASPH. CONC., 25 mm SUPERPAVE, GP 1 OR GP 2, INCL BITUM MATL & H LIME
GRADED AGGREGATE BASE COURSE, INCL MATL

CONCRETE DRIVES ---- RESIDENTIAL: 6" DRIVEWAY CONCRETE
COMMERCIAL: 8" DRIVEWAY CONCRETE

| UTILITY OWNERS | CSMSL-0007- 00(956) |
|---|---|
| SERVICE | COMPANY |
| ELECTRICAL | GEORGIA POWER |
| GAS | ATLANTA GAS LIGHT |
| SEWER | COWETA WATER & SEWER |
| WATER | COWETA WATER & SEWER |
| TELEPHONE | AT&T |
| RAILROAD | NONE |
| CABLE TV | CHARTER COMMUNICATIONS |

811

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REVISIONS

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF INNOVATIVE PROGRAM DELIVERY

GENERAL NOTES

NEWNAN SR 34 AND HOLLZ PKWY
PARK AND RIDE LOT

4-01
DRAWING No.