GEORGETOWN COUNTY DEPARTMENT OF PUBLIC SERVICES
DIVISION OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENTS FOR SOUTH CEDAR AVENUE

INDEX OF SHEETS

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2. TYPICAL ALIGNMENTS
3. TYPICAL ELEVATIONS
4. TYPICAL TRAFFIC SIGNS
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7. GENERAL SHEETS
THE CONTRACTOR MUST PERFORM ALL WORK IN ACCORDANCE WITH THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, STANDARD SPECIFICATIONS FOR ROAD CONSTRUCTION, AASHTO TYPICAL SPECIFICATIONS, SOUTH CAROLINA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION LATEST EDITION, SOUTH TRAFFIC SIGNAL SPECIFICATIONS, AND THE 2009 EDITION.

THE CONTRACTOR SHALL IMPLEMENT ENSURE AND SEINE CONTROL MEASURES TO PREVENT THE TRANSFER OF SUSPENDED SOLIDS AND/OR CHEMICAL SOLUTIONS OFF-SITE AND TO PREVENT EXCESSIVE SEDIMENTATION OF EXISTING DRAINAGE PIPES, CULVERTS, AND OTHERS. THE CONTRACTOR SHALL ROUTINELY INSPECT AND MAINTAIN THESE DEVICES. ALL D.E.E. DANGS AND TARP SHOWN ARE CLASS B UNLESS OTHERWISE STATED.

THE LOCATION OF EXISTING UTILITIES AND STORM DRAINAGE FACILITIES SHOWN IN THE PLANS ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATION OR COMPATIBILITY OF THE UTILITIES INFORMATION SHOWN IN THE DRAWINGS. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES BEFORE CONSTRUCTION. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONFIRM THAT THE PROPER COORDINATION OF THE VARIOUS UTILITIES OWNERS HAS BEEN PERFORMED. THE CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER DURING CONSTRUCTION.

THE LOCATION OF UTILITIES SHOWN IN THE PLANS SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VARIOUS LOCATION/ELEVATIONS APPLY ONLY AT THE POINTS DESIGNATED BY A TEST PILE. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN MADE.

THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, STORM DRAINS, UTILITIES AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR OR COORDINATE WITH UTILITY OWNERS TO REPAIR ANY DAMAGES DUE TO CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER.

THE CONTRACTOR SHALL NOT STORE ANY MATERIALS OR EQUIPMENT IN THE FIT OF THE EDGE OF TRAVELWay. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN PERMISSION TO STORE EQUIPMENT ON ADJACENT PROPERTIES.

TILE EXISTING THAT ARE SHOWN ON THE PLANS ARE REDUCED TO THE NEAREST 4 INCHES AND CALCULATED ALONG THE TIRE SLOPE FROM CENTER OF BOX TO CENTER OF BOX. ADJUSTMENTS TO THE ACTUAL PIPE LENGTHS MAY BE NECESSARY.

ANY COSTS ASSOCIATED WITH REMOVING EXISTING PIPE SHALL BE INCLUDED IN THE COST OF PLACING NEW PIPE.

FINAL SURFACE GRADE ON ALL ROADWAYS SHALT NOT BE CHANGED UNTIL ALL DRAINAGE AND CURB AND GUTTER INSTALLATIONS ARE COMPLETE.

THE CONTRACTOR SHALL PROVIDE AND MAINTAIN PROPER DEWATERING PROCEDURES TO PREVENT THE FLOW AND ACCUMULATION OF SURFACE AND GROUND WATER IN EXCAVATION AREAS. ALL OF THE WATER PLANTED OR DRANK SHALL BE REDUCED WITHOUT UNWILO LACTANCE WITH OTHER WORK OR DAMAGE TO PAVEMENTS AND OTHER SURFACES OR PROPERTY. DISCHARGED WATER FROM ALL DEWATERING OPERATIONS SHALL BE FILTERED IN ACCORDANCE WITH SCHEDES OR DRAIN REGULATIONS OR AS APPROVED BY THE ENGINEER. A PLAN FOR DEWATERING SHALL BE SUBMITTED TO THE RESIDENT CONSTRUCTION ENGINEER AND FORM FOR APPROVAL PRIOR TO ANY WORK BEING PERFORMED WHERE DEWATERING IS REQUIRED. ONCE APPROVED, COPIES OF THE PLAN SHOULD BE PROVIDED TO CEDARHEDGE COUNTY PUBLIC WORKS.

THE CONTRACTOR SHALL PROVIDE A DETAILED CONTRACTORS ENSURE CONTROL PLAN TO THE RESIDENT CONSTRUCTION MANAGER FOR APPROVAL PRIOR TO commencin ANY WORK ON THE PROJECT.

THE CONTRACTOR SHALL PROVIDE A DETAILED TRAFFIC CONTROL PLAN TO THE RESIDENT CONSTRUCTION MANAGER FOR APPROVAL BEFORE STARTING ANY WORK ON THE PROJECT. THIS PLAN SHALL INCLUDE DETAILS CONCERNING PLACEMENT OF REFLECTED MARKERS, CONES, MAJOR TYPE 2 BARRENCES IN ACCORDANCE WITH THE 2009 MUTCD.

THE CONTRACTOR SHALL PROVIDE ALL SHEETING, SODDING, AND BRACING REQUIRED TO PROTECT ADJACENT STRUCTURES AND UTILITIES DURING 10 MINUTES WORK. THE CONTRACTOR SHALL INCREASE THIS TIME AS REQUIRED FOR SUCH MEASURES IS INCLUDED IN THE BID PRICE FOR THE ITEM BEING CONSTRUCTED.

WHERE STORM PIPES AND STRUCTURES ARE IDENTIFIED TO BE ABANDONED IN PLACE, THE FOLLOWING PROCEDURES SHALL BE UTILIZED:

PIVES PIPES EXITS WITH BRICK AND GRUT:
STRUCTURES: REMOVE REINFORCING AND CONCRETE OR TYPICAL.
PIVES PIPE OPENINGS WITH BRICK AND GRUT.
FILL STRUCTURE WITH FLOATING FILL TO BOTTOM OF PAVEMENT Elevation.
TEMPORARY ASPHALT MAY BE NEEDED.

ANY COSTS ASSOCIATED WITH ABANDONING PIPES OR STRUCTURES SHALL BE INCLUDED IN THE COST OF PLACING NEW PIPES OR STRUCTURES ACCORDINGLY.

FAV ALL DRAINAGE TO RIGHT LINE UNLESS THE DRAINAGE IS LABELED, THE STANDARD DRAINAGE GAGE IS 50. THIS MAY BE MODIFIED PER DIRECTION OF THE ENGINEER TO FIT FIELD CONDITIONS.

THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS SHOWN IN THE PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. SHOULD DISCIPLINES Observable TO THE CONTRACTOR TO NOTIFY THE ENGINEER TO REVISE THE ENGINEERS CLASSIFICATION BEFORE CONTINUING CONSTRUCTION.

THE ENGINEER RESERVES THE RIGHT TO ADJUST THE LOCATION OF ALL PROPOSED IMPROVEMENTS TO MEET FIELD CONDITIONS IF NECESSARY.

SATELLITE DISH INSTALLATIONS MUST BE STREAMLINED AS FAR AS PRACTICAL, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT NOT IN CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED PERMANENTLY OR PERMANENTLY CLOSED.

AL DISTURBED AREAS SHALL BE SEATED AFTER GRADING IS COMPLETE OR WITHIN 7 DAYS AFTER WORK STOPS IN AN AREA UNLESS WORK IS TO RESUME IN THAT AREA IN LESS THAN 21 DAYS.

NOTE:
1. IF A SIGN MARKED TO BE RELOCATED IS DAMAGED BY THE CONTRACTOR, THE CONTRACTOR IS RESPONSIBLE FOR REPLACING THE SIGN.
2. CONTRACTOR IS TO SIMPLIFY CONNECTIONS TO EXISTING ROADWAYS AND/OR DRAINAGE WHERE APPLICABLE.
3. CONTRACTOR IS TO HAVE FINAL GRADE APPROVED TO RIGHT OF WAY LIMITS.

THE FOLLOWING QUANTITIES ARE NOT SHOWN IN DETAILED ON THE PLANS BUT ARE INCLUDED IN THE SUMMARY OF ESTIMATED QUANTITIES AND ANY ADJUSTMENT DURING CONSTRUCTION AS DETERMINED BY THE ENGINEER.
SEEDING INSTALLATION
A. Seed disturbed areas of construction including mounds, weak soil, and dry areas. If necessary, apply a herbicide treatment to prevent weed growth during construction. Temporary decks may be required and the site is to be maintained and to be kept free of grass and weeds.
B. If necessary, apply an herbicide to prevent weed growth during construction. Temporary decks may be required and the site is to be maintained and kept free of grass and weeds.
C. The application of herbicides to the seeded areas should be made immediately after seeding to prevent weed growth.
D. Seeding should be applied at a rate of 2 lbs or 1500 pounds per acre on a flat surface. The application rate is to be adjusted to maintain a soil moisture level of 15%.
E. The seeding should be applied in a manner that ensures even distribution of the seed.
F. The seeding should be maintained by regularly monitoring the growth of the plants.

SEQUENCE OF CONSTRUCTION
A. Digging of trenches or basements
B. Construction of the foundation
C. Installation of plumbing and electrical systems
D. Installation of heating and ventilation systems
E. Installation of roofing and insulation
F. Installation of windows and doors
G. Installation of flooring and finishes
H. Installation of kitchen and bathroom fixtures
I. Installation of landscaping and hardscaping

SNAPW NARRATIVE
Engineers can use this table in the project proposal to discuss the erosion control measures that will be implemented. The table provides information on the type of erosion control measures that will be used, the location of the measures, and the anticipated effectiveness of the measures. The table also provides information on the duration of the measures and the expected results of the measures.

SEE SHEETS 2050 FOR EROSION CONTROL DETAILS
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NOTES:

1) DESIGN OUTLET PROTECTION IN ACCORDANCE WITH THE SCDOT WATER QUALITY MANUAL.

2) OUTLET PROTECTION WILL HAVE A WIDTH THREE TIMES THE OUTSIDE DIAMETER OF THE OUTLET PIPE AT TOP OF SLOPE.

3) ADVANCE OUTLET PROTECTION UP THE SLOPE A MINIMUM OF 1 FOOT ABOVE THE PIPE INVERT.

4) THE PAYMENT ITEMS MAY INCLUDE:

   2031000 UNCLASSIFIED EXCAVATION CY
   8151101 TRM TYPE 1 MSY
   8151102 TRM TYPE 2 MSY
   8151103 TRM TYPE 3 MSY
   8151104 TRM TYPE 4 MSY
   8041015 RIPRAP CLASS A CY
   8041025 RIPRAP CLASS B CY
   8041035 RIPRAP CLASS C CY
   80482XX CLASS 2 GEOTEXTILE SY