STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	STP00-2812-00(009)	75K /GN1	169

WATER & SEWER CONSTRUCTION GENERAL NOTES

1. WORK ON THE WATER AND SEWER INFRASTRUCTURE SHALL BE IN ACCORDANCE WITH THE RELEVANT PORTIONS OF THE OVERALL PROJECT GUIDELINES, SPECIFICATIONS, AND APPROVED PERMITS.

2. THE CURRENT REGULATIONS, CONSTRUCTION DRAWINGS, AND SPECIFICATIONS OF GDOT SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE A PART OF THIS PLAN UNLESS OTHERWISE SHOWN OR CALLED OUT ON THE DRAWINGS AND/OR SPECIFICATIONS.

3. THE CONTRACTOR, AND ANY SUBCONTRACTOR, SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY.

4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS THAT HAVE NOT ALREADY BEEN OBTAINED, AND ENSURE ALL EASEMENTS HAVE BEEN OBTAINED PRIOR TO CONSTRUCTION.

5. THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONSTRUCTION DOCUMENTS AND CONSTRUCTION SITE AND SHALL IMMEDIATELY REPORT TO THE ENGINEER ANY DISCREPANCIES OR OMISSIONS DISCOVERED ON THE PLANS OR AT THE SITE. THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS TO VERIFY THAT ALL LOCATIONS ARE CORRECT PRIOR TO COMMENCING CONSTRUCTION.

6. BORING LOGS SPECIFICALLY FOR THE WATER AND SEWER RELATED ITEMS ARE NOT PROVIDED. THE ENGINEER HAS NO KNOWLEDGE AND MAKES NO ASSUMPTIONS OR REPRESENTATIONS ABOUT CONDITIONS AT ANY LOCATION.

7. ALL EXCAVATION FOR THIS PORTION OF THE PROJECT IS UNCLASSIFIED. THE COST OF EXCAVATION SHALL BE INCLUDED IN THE PRICE BID FOR EACH ITEM. THIS SHALL INCLUDE EXCAVATION OF SOLID MATERIALS, "MUCK"; DEWATERING IF NECESSARY, AND USE OF SHEETING, SHORING, OR TRENCH BOXES. WHEN EXCAVATING, ALL UNSUITABLE MATERIALS ENCOUNTERED SHALL BE REMOVED FROM THE PROJECT AND DISPOSED OF.

8. EXISTING UTILITIES SHOWN ARE FROM A COMBINATION OF SUE AND RECORD DRAWINGS. MANY EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE FROM SUE. SUE WAS USED TO LOCATE UNDERGROUND UTILITIES IN SELECT LOCATIONS ONLY. ELEVATIONS OF UTILITIES SHOWN ON PROFILES ARE NOT KNOWN. THE CITY OF BREMEN, ENGINEER, AND GDOT DO NOT WARRANT THAT UTILITIES SHOWN ARE COMPLETE OR CORRECT. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH, LOCATING, AND MARKING EXISTING UTILITIES WITHIN THE PROJECT LIMITS INCLUDING BUT NOT LIMITED TO: WATER, SANITARY SEWER, GAS, ELECTRIC, TELEPHONE, ADDITIONAL STORM DRAINAGE SYSTEMS, SERVICE LINES, AND ANY OTHER BURIED UTILITY OR BURIED CONDUIT SYSTEMS PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL VERIFY ACTUAL LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. ALL UTILITIES AND STRUCTURES SHALL BE PROTECTED DURING CONSTRUCTION. ANY BROKEN OR DAMAGED FACILITIES SHALL BE REPAIRED OR REPLACED AT THE CONTRACTORS' EXPENSE.

9. NOT ALL UTILITY INFORMATION IS SHOWN ON THE WATER AND SEWER SHEETS. CONTRACTOR TO REFER TO OTHER UTILITY SHEETS IN ORDER TO UNDERSTAND LOCATION AND IMPACT OF OTHER EXISTING AND PROPOSED UTILITIES AND STRUCTURES, AS KNOWN.

10. CONTRACTOR TO REVIEW SUE SHEETS TO DETERMINE EXISTING UTILITY STRUCTURES THAT WILL REQUIRE RELOCATION OR ADJUSTMENT SUCH AS VALVES, SEWER RIMS, ETC.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NECESSARY DEWATERING UTILIZING ACCEPTABLE MEASURES AS APPROVED BY GDOT. ALL DEWATERING FLOWS ARE TO BE SETTLED IN SILTATION BASINS OR DIRECTED THROUGH FILTERING DEVICES BEFORE DISCHARGE TO STABILIZED SITES, SUCH AS STREAMS OR STORM SEWERS, NOT INTO EXPOSED SOILS, STREAM BANKS, OR ANY SITE WHERE THE FLOW COULD CAUSE EROSION OR SILTATION. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF THIS CONTRACT. NO SEPARATE PAYMENT WILL BE MADE.

12. NO MORE THAN 100 FEET OF TRENCH SHALL BE OPEN AT ANY GIVEN TIME. TRENCH OPENING, LAYING OF PIPE, AND BACKFILLING SHALL OCCUR SO AS TO MINIMIZE THE AMOUNT OF DISTURBED AREA. THE CONTRACTOR SHALL BACKFILL TRENCHES IMMEDIATELY. IF WORK IS SUSPENDED FOR ANY REASON, THE CONTRACTOR SHALL MAINTAIN THE SOIL EROSION AND SEDIMENTATION CONTROLS IN GOOD OPERATING CONDITION DURING THE SUSPENSION OF THE WORK.

13. ALL TRENCHES SHALL BE BACKFILLED OR SECURELY PLATED DURING NON-WORKING HOURS.

14. THE CONTRACTOR SHALL SUBMIT TO GDOT FOR THEIR REVIEW, FIVE COPIES OF SHOP DRAWINGS FOR ALL MATERIALS AND STRUCTURES. GDOT BARES NO RESPONSIBILITY TO ACCEPT ANY OF THE ABOVE ITEMS WITHOUT A COMPLETE REVIEW OF THE SHOP DRAWINGS AND ACCEPTANCE OF THE SHOP DRAWINGS.

15. THE CONTRACTOR SHALL PROVIDE THE CITY AND ENGINEER A SET OF MARKED UP DRAWINGS INDICATING THE AS-BUILT LOCATION OF ALL NEW SANITARY SEWER, WATER LINES, AND RELATED ITEMS SUCH AS TIE-IN LOCATIONS AND RELOCATED WATER METERS. ALL FEATURES SHALL BE LOCATED AND ANNOTATED ON THE PLANS BY FEATURE NAME AND NORTHING, EASTING, TOP AND INVERT ELEVATION.

16. ALL NEW AND EXISTING MANHOLES, VALVE BOXES, CLEANOUTS, WATER METERS AND ASSOCIATED APPURTENANCES SHALL BE BROUGHT TO FINISHED GRADE ACCORDING TO THE REQUIREMENTS OF GDOT'S UTILITY ACCOMODATION POLICY AND STANDARDS 2009 EDITION. THE COST OF THIS WORK FOR WATER VALVE BOXES AND WATER METERS SHALL BE INCLUDED IN THE UNIT PRICE OF ADJUSTING WATER METER BOXES AND ADJUSTING WATER VALVE BOXES RESPECTIVELY. NO SEPARATE PAYMENT WILL BE MADE FOR THE COST OF THIS WORK FOR ALL OTHER ITEMS INCLUDING MANHOLES, CLEANOUTS, AND ASSOCIATED APPURTENANCES.

17. CONTRACTOR TO NOTIFY CITY ONE WEEK PRIOR TO BEGINNING WORK ON ANY PART OF THE PROJECT THAT MAY REDUCE OR CUT WATER SERVICE TO EXISTING CUSTOMERS. NO LINE SHALL BE CUT AND CAPPED FOR MORE THAN 48 HOURS.

18. CONTRACTOR RESPONSIBLE FOR KEEPING WATER AND SEWER SERVICES IN OPERATION AT ALL TIMES. CONTRACTOR TO PROVIDE TEMPORARY SERVICES TO EXISTING CUSTOMERS EXCEPT FOR OUTAGES LESS THAN ONE HOUR WHICH SHALL BE COORDINATED TO WITH THE CITY.

19. MATERIALS FOR SANITARY SEWER SERVICE LINES AND CLEAN OUTS SHALL BE THE SAME AS THAT FOR THE SEWER MAINS.

20. CONTRACTOR SHALL PUMP SEWAGE FROM EXISTING LINE AROUND CURRENT SECTION UNDER CONSTRUCTION. CONTRACTOR SHALL SUBMIT BY-PASS PUMPING PLAN TO THE CITY AND GDOT FOR APPROVAL. COST FOR BY-PASS SHALL BE INCLUDED IN THE PRICE OF CONSTRUCTING THE MAIN LINE. NO SEPARATE PAYMENT WILL BE MADE.

21. WHILE SERVICE LINE EXCAVATION IS LEFT OPEN, IT SHALL BE PROTECTED FROM VEHICLE AND PEDESTRIAN TRAFFIC BY METHODS ACCEPTABLE TO GDOT.

22. ALL EXISTING SANITARY SEWER SERVICES SHALL BE TIED INTO THE NEW SANITARY SEWER LINE PER THE DETAIL. COST FOR THIS ITEM SHALL BE INCLUDED IN THE PRICE OF CONSTRUCTING THE MAIN LINE, NO ADDITIONAL PAYMENT WILL BE MADE.

23. ALL LINES TO BE ABANDONED THAT ARE 6" AND LARGER, AND MANHOLES, SHALL EITHER BE REMOVED, OR FILLED WITH FLOWABLE FILL THAT IS PUMPED IN. ABANDONED MANHOLES SHALL BE FILLED TO THE TOP WITH PUMPED IN FLOWABLE FILL. CONTRACTOR TO PROVIDE WEIGHT TICKETS TO GDOT FOR ALL MATERIALS PUMPED IN. THE COST ASSOCIATED WITH ABANDONMENT OF THESE UTILITIES, EXCEPT FOR THE COST OF FLOWABLE FILL, IS INCLUDED IN OTHER ITEMS. THE COST ASSOCIATED WITH PROVIDING AND PUMPING IN FLOWABLE FILL SHALL BE INCLUDED IN THE BID ITEM OF FLOWABLE FILL.

24. WATER SERVICE LINES AND METERS ARE TO BE PROTECTED TO THE EXTENT PRACTICAL DURING CONSTRUCTION. IF THEY ARE DAMAGED, OR IF IT IS NECESSARY THAT THEY BE REMOVED OR RELOCATED, NOTIFY THE CITY FOR NEW LOCATION. NO ADDITIONAL PAYMENT WILL BE MADE FOR REPAIR TO DAMAGED WATER AND SEWER INFRASTRUCTURE.

25. FIRE HYDRANTS REMOVED SHALL BE DELIVERED TO THE CITY.

26. CONTRACTOR SHALL NOT OPERATE ANY VALVES IN THE EXISTING WATER SYSTEM WITHOUT PRIOR APPROVAL AND PERMISSION FROM THE CITY.

27. THE CONTRACTOR SHALL REPLACE AND CONNECT ALL EXISTING WATER SERVICES TO THE NEW MAIN UPON THE COMPLETION OF THE CONSTRUCTION AND PLACING IN SERVICE OF THE NEW MAIN. THE COST OF REPLACING SERVICES SHALL BE PER EACH INSTALLED, INCLUDING METER BOXES . THE COST OF CONNECTION OF THESE SERVICES SHALL BE INCLUDED IN THE UNIT PRICE OF BID ITEM WATER SERVICE LINE.

28. CONTRACTOR TO SUBMIT TO GDOT AND CITY A DETAILED SEQUENCING AND ABANDONMENT PLAN BEFORE BEGINNING WATER LINE WORK.

29. ALL ASSOCIATED WORK AND MATERIALS FOR PAVING, RESURFACING, AND REPAIR RESULTING FROM WATER AND SEWER CONSTRUCTION SHALL BE PER THE TYPICAL SECTIONS AND THE LATEST APPROVED GDOT STANDARD SPECIFICATIONS.

30. WHEN MILLING SURFACE, MILL AROUND EXISTING STRUCTURES AND TO EDGE OF CURBING. IF STRUCTURES ARE DAMAGED OR DISTURBED, THEY SHALL BE REPLACED OR RE-SET AT EXISTING LOCATIONS. RE-SETTING SHALL INCLUDE ADJUSTING TO MATCH EXISTING GRADE, BOTH TRANSVERSE AND LONGITUDINAL. ALL UTILITIES SUCH AS METER BOXES, MANHOLES, VALVE BOXES, ETC. SHALL BE ADJUSTED TO FINISHED GRADE.

31. MAINTENANCE OF TRAFFIC IS THE RESPONSIBILITY OF THE CONTRACTOR, TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT, EXCEPT WHEN WORK IS ACTIVELY IN PROGRESS AND REQUIRES THE TEMPORARY CLOSURE OF A SINGLE LANE. DURING TIMES OF LANE CLOSURE TWO WAY TRAFFIC WILL BE MAINTAINED BY USE OF FLAG PERSONS, TEMPORARY TRAFFIC SIGNALS, OR OTHER TEMPORARY TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH PERMIT PLANS FOR THE ENTIRE PROJECT AND MUST BE APPROVED BY GDOT. FLAG PERSONS SHALL BE IN DIRECT COMMUNICATION AT ALL TIMES. NO ADDITIONAL PAYMENT WILL BE MADE FOR TRAFFIC CONTROL RELATED TO WATER AND SEWER CONSTRUCTION.

32. THE CONTRACTOR SHALL PROVIDE ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING THE CONSTRUCTION PERIOD.

33. ALL WATER AND SEWER RELATED WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPROVED EROSION CONTROL PERMITS.

34. CONFLICTS AND ADJUSTMENTS IN ELEVATION AND LOCATION OF PROPOSED UTILITIES SHALL BE AS DIRECTED BY THE ENGINEER.

35. THE CONTRACTOR IS RESPONSIBLE FOR UTILITY COORDINATION DURING CONSTRUCTION, AND ALL TEMPORARY UTILITY RELOCATION COSTS TO PERFORM THE WATER AND SEWER CONSTRUCTION PORTION OF THE WORK.

36. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EXISTING UTILITIES DURING CONSTRUCTION AT NO ADDITIONAL COST TO OWNER. THIS INCLUDES ANY COSTS ASSOCIATED WITH BRACING, TEMPORARILY RELOCATING, LOCATING, AND MONITORING OF THESE FACILITIES AS NEEDED UNTIL NEW SERVICES CAN BE INSTALLED, TESTED, AND ACCEPTED. THI INCLUDES, BUT IS NOT LIMITED TO, ELECTRICAL, SANITARY SEWER, WATER, STORM DRAINAGE, POWER LINES, POWER POLES, POWER METERS, LIGHT POLES, CONTROLS, TELEPHONE, CABLE, AND GAS. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE AND REPAIR COSTS FOR RESTORING ANY DAMAGED UTILITIES. CONTRACTOR TO DETERMINE WHERE PROTECTION IS NEEDED.

37. UTILITIES AND OWNERS THAT ARE KNOWN TO BE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT ARE IDENTIFIED IN THE SUE LEGEND.

38. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING WATER AND SEWER SERVICE TO THE USERS ALONG THE PROJECT CORRIDOR. THE CONTRACTOR SHALL PROVIDE THE METHOD FOR MAINTAINING SERVICE TO GDOT AND THE CITY FOR APPROVAL PRIOR TO THE START OF ANY CONSTRUCTION. THE PAYMENT FOR MAINTAINING WATER AND SEWER SERVICE SHALL BE INCLUDED IN THE PRICE FOR WATER AND SEWER PIPE. NO SEPARATE PAYMENT WILL BE MADE.

39. THE FLOW IN ALL SEWERS, DRAINS, AND WATERCOURSES ENCOUNTERED SHALL BE MAINTAINED BY THE CONTRACTOR WHENEVER SUCH SEWERS, DRAINS AND WATERCOURSES ARE DISTURBED OR DESTROYED DURING THE CONSTRUCTION OF THE WORK. THEY SHALL BE RESTORED BY THE CONTRACTOR AT HIS OWN EXPENSE WITH THE SAME SIZE PIPE, OR AS DIRECTED BY THE ENGINEER. THIS INCLUDES PIPES LABELED TO BE RESTORED BY THE CONTRACTOR ON THE PLANS.

40. ALL WORK SHALL BE LIMITED TO WITHIN GDOT OBTAINED R/W AND WITHIN THE APPROVED LIMITS SET FORTH IN THE EROSION CONTROL PERMITS, EASEMENTS, AND ANY OTHER APPLICIBLE PERMITS.

41. WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT. IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS. IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN. THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY. NO SEPARATE PAYMENT WILL BE MADE.

42. ALL PIPE FITTINGS INCLUDING BENDS, TEES, ADAPTORS, JOINT RESTRAINTS, CONCRETE BLOCKING, ETC., SHALL BE INCLUDED FOR PAYMENT WITH THE PRICE OF THE PIPE. NO SEPARATE PAYMENT WILL BE MADE. PIPE FITTINGS AND BENDS BEYOND WHAT IS SHOWN ON THE PLANS MAY BE REQUIRED TO CONSTRUCT THE WATER AND SEWER INFRASTRUCTURE. NO ADDITIONAL PAYMENT WILL BE MADE.

43. COMMERCIAL WATER VAULTS THAT ARE TO BE RELOCATED SHALL BE RELOCATED TO JUST INSIDE THE RIGHT-OF-WAY LINE. THE BOXES OR VAULTS SHALL BE INSTALLED AS SHOWN IN THE DETAILS. THE CONTRACTOR IS TO COORDINATE METER RELOCATIONS WITH THE CUSTOMERS AND THE CITY.

44. RESIDENTIAL WATER METERS THAT ARE TO BE RELOCATED SHALL BE RELOCATED TO JUST INSIDE THE RIGHT-OF-WAY LINE AND TAPPED OVER TO THE NEW WATER MAIN AFTER THE NEW WATER MAINS HAVE BEEN PLACED IN SERVICE. METERS THAT ARE NOT BEING RELOCATED SHALL ALSO BE TAPPED OVER TO THE NEW WATER MAIN. THE CONTRACTOR IS TO COORDINATE METER RELOCATIONS WITH THE CUSTOMERS AND THE CITY.

GEORGIA
DEPARTMENT OF TRANSPORTATION
UTILITY (WATER & SEWER)
RELOCATION GENERAL NOTES

NO SCALE SHEET 1 OF 1