

GENERAL AUD NOTES

1. All construction of water distribution systems and wastewater collection system lines shall be in accordance with Augusta Utilities Department (AUD) Water & Sanitary Sewer Systems-Design Standards, Construction Specifications and Details (latest publication).
2. The Contractor is responsible for verifying the exact location, size, and material of any existing water or sanitary sewer utility proposed for connection or use by the project.
3. Contractor shall contact the Utilities Protection Inc. "Call Before You Dig" service (811) in order to locate utilities prior to starting any excavation or construction. The locations of underground utilities as shown on plans are approximate as determined from existing records.
4. The Contractor shall coordinate the work of the utility companies.
5. The Augusta Engineering Department (AED) shall be notified at least 48 hours (two working days) in advance during regular working hours (8:30am to 5:00pm, Monday-Friday, excluding Augusta, Georgia holidays) prior to the commencement of any construction activity within Augusta, Georgia right-of-way. Contact AED at (706-821-1706).
6. The AUD Engineering Division shall be notified at least 48 hours (two working days) in advance during regular working hours (8:30 am to 5:00 pm, Monday-Friday, excluding Augusta, Georgia holidays) prior to any construction, tie-ins, or testing of water or wastewater utilities. No work shall commence until contact is made with the project's AUD inspections representative.
7. Disturbance of any Survey Markers or Monuments requires re-establishment by a Professional Land Surveyor at the Contractor's expense. Documentation of the work must be presented to the AUD Engineering Division before the project is completed.
8. Any discrepancies, errors, or omissions discovered on plans or in the specifications should be noted on the contract proposal and does not relieve the Contractor of responsibility to correct the same.
9. All concrete shall and have minimum 28-day strength of 3,000 psi.
10. If a conflict arises between the new work and the existing water and sewer utilities during the course of construction, it will be the responsibility of the

Owner/Developer/Contractor, at their expense and not AUD's, to correct the discrepancy as directed by a representative of AUD.

11. All existing Augusta road structures such as storm manholes, inlet boxes, etc., shall be maintained and or adjusted as is appropriate to ensure proper use.
12. All materials deemed salvageable by AUD are the property of Augusta, Georgia and will be removed and stored on site in a secured area determined during construction by the contractor, and Augusta Utilities Department.
13. For private developments, AUD shall not be responsible for pavement patching and/or replacement and the site restoration whenever AUD performs repair, replacement or installation work.
14. If AUD must repair or replace utilities on the work site, then the responsible party shall arrange for access by AUD as required to repair or replace the utility.
15. A minimum (20') Utility Easement centered over all water lines and a minimum 20' Utility Easement centered over all wastewater lines shall be deeded to Augusta, Georgia at completion and acceptance of said lines. Easements containing both water and sewer shall be 10' from the center of the utility to outside of the easement, while maintaining minimum separation requirements as listed in AUD's Water and Sanitary Sewer Systems-Design Standards, Construction Specifications, and Details.
16. A right-of-way encroachment permit shall be obtained from AED prior to commencing any work within an Augusta, Georgia right-of-way. The utilities encroachment permit must be applied for through AUD.
17. "A Georgia DOT right-of-way encroachment permit may be required for work on temporary or permanent state routes. Contact AUD Engineering Division to determine if a permit is required. The utilities encroachment permit must be applied for through AUD. Conditions of the permit must be complied with fully. The permit must be in hand a minimum 24 hours notice given to GDOT prior to beginning any work in the GDOT right-of-way."
18. Traffic control devices shall meet and be installed in accordance with the Manual on Uniform Traffic Control Devices (MUTCD). Also, a traffic control/detour plan shall be submitted to the City Engineer for approval as noted in the Augusta-Richmond County, Georgia-Rights of Way Encroachment Guidelines.
19. The Contractor and the AUD representative shall have a copy of the Augusta-Richmond County, Georgia-Rights of Way Encroachment Guidelines Development Document #15, adopted June 1999, amended August 2000,

amended June 2021. The requirements set forth in this document shall be adhered to at all times.

20. Clearing and grubbing shall be at the Contractor's discretion, subject to AUD approval, to facilitate construction.
21. The implementation of best management practices (BMP's) for erosion and sediment control in accordance with the Manual for Erosion and Sediment Control in Georgia shall be installed and maintained at all times.

AUD WATER NOTES

1. An AUD inspector shall be present or section left uncovered until inspected by the inspector when a tap, tie-in occurs, restrained joints are installed, bends, fittings, fire hydrants, valves and pressure testing. Contractor is to provide at least 48 hour notice (two working days) in advance during regular working hours (8:30 am to 5:00 pm, Monday-Friday, excluding Augusta, Georgia holidays).
2. All PVC water lines shall be a minimum DR-18 PVC meeting AWWA C-900 and/or C-905, unless otherwise shown or specified.
3. All DIP water lines shall be class 350 for lines 16" diameter and smaller, and class 300 for lines 18" diameter through 24" diameter, unless otherwise specified or shown.
4. All new water lines shall be installed per pipeline manufacturer recommendations.
5. All water lines shall be tested, chlorinated, and checked for bacteria per AUD's Water & Sanitary Sewer Systems-Design Standards, Construction Specifications and Details.
6. Copper Wire (12-gauge, Insulated, Single Strand) shall be attached along top of all buried water lines, wrapped around service corporations and brought up on the outside of all valve boxes, stubbing out at the top to facilitate traceability. This wire shall be properly spliced with a water proof connector for electrical connectivity, and then insulated to protect against corrosion. (Reference AUD Details when applicable).
7. Detector Tape shall be 4 inches wide and placed 2 feet above pipe. Add similar device to conduit per AUD detail 3.6.

8. All water valves on the main lines, including hydrant laterals, shall be open-left if installed south of Gordon Highway (S.R. 10), or open-right if installed north of Gordon Highway.
9. The Contractor shall furnish, install, and maintain a meter box at the termination point of all water services. Meter boxes will in no way be placed under driveways. Meter boxes will preferably be located in the center of the lot and within 1' inside of the R/W, and maintained by the Contractor until such time the meter is installed.
10. Water services shall have minimum diameter of 1 inch (Reference AUD Details when applicable).
11. Any existing water service lines which are extensions off an existing water main to be abandoned discovered during construction shall be replaced. These new service lines are to tie into the new water main and be reconnected to the existing water meter.
12. All existing water services shall be extended and meter boxes relocated as required beyond the limits of construction. The services shall be connected to the new water main after said main has been sterilized, pressure tested and put into service. In the event that the service line is not active, a new water service will be required to be constructed.
13. All water meters shall be purchased from AUD Construction and Maintenance Division.
14. The Developer/Contractor shall locate water services and valves by etching a "W" for the water service and a "V" for a valve in the curb or in the pavement if no curb is available, and highlight the etching with blue paint per the APWA uniform color code. In the event that the valve is located behind the curb or pavement, invert the "V" marking so that it points to the valve outside the roadway.
15. Fire hydrants are to be located a minimum of one foot inside existing right-of-way with a 3 foot radius clearance.
16. Existing fire hydrants and meters that are removed shall be turned over to AUD.
17. Per AUD's Water & Sanitary Sewer Systems-Design Standards, Construction Specifications and Details:
 - a. For backflow installations for non-residential development, a minimum "double-check" backflow-prevention device shall be installed on the customer's side of all services.
 - b. Fire lines require a minimum "double detector" backflow device.

- c. For backflow installations for residential developments, a "dual check" backflow device shall be installed on the customer's side of the service line at the point of tie-in to the water meter.
 - d. For some medium hazard to high hazard locations, a reduced pressure zone (RPZ) backflow device will be required.
18. Backflow devices shall be tested by a certified person within five (5) working days of installation and the results furnished to the AUD Back Flow Inspector within 10 working days of installation prior to any water use. AUD shall be notified prior to testing Contact the Augusta Utilities Back Flow Inspector at 706-722-1639.

AUD SEWER NOTES

1. An AUD inspector shall be present or section left uncovered until inspected by the inspector when a core, tap, tie-in occurs, manhole installed, and all required testing. Contractor is to provide at least 48 hour notice (two working days) in advance during regular working hours (8:30 am to 5:00 pm, Monday-Friday, excluding Augusta, Georgia holidays).
2. The Contractor is to verify the invert elevations (I.E.) of existing pipes prior to beginning construction.
3. Sewer force main shall be PVC DR-18 C-900 or C-905 as applicable or DIP class 350, epoxy lined.
4. All new sewer lines shall be installed per pipeline manufacturer requirements.
5. Copper Wire (12-gauge, Insulated, Single Strand) shall be attached along top of all buried sewer lines to facilitate traceability. The wire shall run along the top of the main and along individual service lines and brought up on the outside of all manholes, cleanouts, or other above ground features stubbing out at the top for locating purposes. This wire shall be properly spliced with a water proof connector for electrical connectivity, and then insulated to protect against corrosion. (Reference AUD Details when applicable).
6. Detector Tape shall be 4 inches wide and placed 2 feet above pipe add similar device to conduit per AUD detail 3.6.
7. All tie-ins to existing manholes shall be cored unless otherwise approved by AUD Inspector.
8. All manholes require "K or N Seal" or equal, rubber boots, unless otherwise approved by AUD Inspector.

9. No connection shall be made to existing wastewater lines until the proposed line is inspected and approved by AUD's Engineering Division.
10. All wastewater manholes shall have an elevation drop of 0.2 foot across the inlet and outlet inverts.
11. Wastewater clean-outs shall be installed at all individual services as shown in AUD-Details, and shall not be installed under driveways or any paved areas without prior approval from AUD.
12. Service lines to sanitary sewer main shall be bedded per these AUD Specifications and AUD Details.
13. Maximum sanitary sewer infiltration shall not exceed 100 GPD/inch of pipe diameter per mile.
14. The Contractor shall locate sanitary sewer services by etching an "S" in the curb or in the pavement if no curb is available, and highlight the etching with green paint per the APWA uniform color code.
15. Finished floor elevations of all proposed buildings shall be a minimum of five (5) feet above the invert elevation of the wastewater main or manhole at the point of tie-in. In instances where this is not possible, a backwater valve shall be installed in the sewer service.