

EXHIBIT 2

CONTRACTUAL SPECIFICATIONS AND STANDARDS

July 2020

SECTION 1: Contractual Specifications and Standards

DeKalb County Department of Watershed Management

4572 Memorial Drive
 Decatur, Georgia 30032

Contractor must comply with all Local, State and Federal Regulations including, but not limited to, the following Specifications and Standards:

| Item | Title | Edition |
|------|---|--|
| 1 | Department of Watershed Management Design Standards, Potable Water Main, Gravity Sanitary Sewer, and Sanitary Sewer and Force Main Design Standards | 2017 Edition <i>Or Latest Edition</i> |
| 2 | Technical Specifications (included) | Attached |
| 3 | The Georgia Manual for Erosion and Sedimentation Control | Latest Edition |
| 4 | Federal Highway Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD) | Latest Edition |
| 5 | ASTM International Standards formerly known as American Society for Testing and Materials (ASTM) | Latest Edition |
| 6 | American Water Works Association (AWWA) | Latest Edition |
| 7 | The American Association of State Highway and Transportation Officials (hereinafter AASHTO) | Latest Edition |
| 8 | National Sanitation Foundation (NSF) | Latest Edition |
| 9 | American Concrete Institute (ACI) | Latest Edition |
| 10 | 29 Code of Federal Regulations (CFR) 1910 | Latest Edition |
| 11 | 29 Code of Federal Regulations 1926 | Latest Edition |

How to Obtain the Referenced Technical Specifications:

1. Department of Watershed Management Design Standards, Potable Water Main, Gravity Sanitary Sewer, and Sanitary Sewer and Force Main Design Standards.

<https://www.dekalbcountyga.gov/watershed-management/office-engineering-construction-management-services>

2. State of Georgia, Department of Transportation, GDOT Standard Specifications Construction of Transportation Systems, 2013 Edition.

http://www.dot.ga.gov/PartnerSmart/Business/Documents/GDOT_SpecBook_2013.pdf

3. State of Georgia, Department of Transportation, Supplemental Specification book for the Construction of Transportation System – 2016

http://www.dot.ga.gov/PartnerSmart/Business/Source/special_provisions/2016%20Supplemental%20Specifications/2016SupplementalSpecBook.pdf

4. State of Georgia, Department of Transportation, Functional Classification Maps
<http://www.dot.ga.gov/DS/Data>

To order hard copies (books) of the GDOT publications listed above (Nos. 2, 3), please contact:

Georgia Department of Transportation
600 West Peachtree St., NW
Atlanta, Georgia 30308
Phone No.: (404) 631-1215

Or fill the order form for available publications following this link:

<http://www.dot.ga.gov/PartnerSmart/Business/Documents/Avail-Publications.pdf>

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A. The Contractor shall comply with the following Special Conditions:

1. ***Pre-Construction Meeting*** - A pre-construction meeting is mandatory prior to any installation, per each work order. Pre-construction meetings will be arranged by the County with the Contractor, Transportation Division, the Department of Watershed Management, and any other appropriate stakeholders.
2. ***Daily Work Location*** - Contractor shall submit a Daily Route of all proposed work locations for the current work day. This information is to be emailed to the DWM PM and DWM CM each morning prior to 7:30 a.m.
3. ***Weekly Report*** – The Contractor shall submit in writing a weekly total of all work completed within the preceding week. This information is due on Thursday mornings no later than 7:30 a.m. All material used and contract items completed shall be included. The format shall be as specified by the DWM Construction Manager. The summary of approved weekly quantities shall be included as backup documents in the Monthly Pay Applications.
4. ***Three Week Look Ahead Traffic Schedule***- The Contractor is required to submit a schedule of work listing the roads and lanes affected. The schedule shall be submitted by close of business each Thursday, projecting work and expected impacts for the subsequent three weeks. Format shall be as shown in **Exhibit 4 - Sample 3-Week Look Ahead Schedule**.
5. ***Right of Entry (ROE)*** – The Contractor is responsible to obtain Rights of Entry as needed. A minimum of 3 documented attempts per ROE shall be made before escalating ROE procurement to the County for assistance.
6. ***Work Coordination*** - It shall be the Contractor’s responsibility to coordinate their work with any work to be performed by the County, or others; in any right-of-way clearance and arrange a schedule of the operations that will allow for the completion of the project without any undue delay.
7. ***Obstruction Compensation*** - The Contractor shall not be compensated for any delay or damage caused by the utility facilities, obstruction, or any other item not being removed or relocated to clear construction in advance of this work.
8. ***Mobilization/Demobilization*** – There shall be no separate charge for mobilization, demobilization and closeout by the Contractor. The Contractor shall include in unit rates for bid items included in the Contract.
9. ***Protection of Sidewalks*** - It shall be the Contractor’s responsibility to protect driveways, sidewalks, curbs and catch basins during construction. Any sidewalks,

curbs, or catch basins damaged or broken during construction shall be replaced or repaired at the Contractor's expense.

10. **Protection of Roadways** - The Contractor shall use considerable care in protecting the riding surface of all roadways. The Contractor, to the satisfaction of the County, shall correct gouges, edge failures, curb damage and any other defects caused during construction as deemed necessary.
11. **Grassing** - The Contractor shall bid on the grassing, seed or sod, per sq. yd. All disturbed unpaved areas shall be grassed. The unit price bid for grassing shall include all of the following at no extra cost to the County: agricultural lime, fertilizer mix grade, fertilizer nitrogen content, mulching, hay and/or straw and watering until a good stand of grass is established. Grassing is to be replaced in kind. If the initial grassing did not produce satisfactory results as deemed by the County. Grassing shall be restored equal to or better than the existing condition.
12. **Pavement** - Pavement removed outside of limit of pavement shown (Typical Pavement Patch Detail) or specified otherwise, will be replaced in kind or with concrete depending upon the area of the excavation. Payment will be per sq yd. No claims shall be considered for compensation for base and pavement restoration outside of the limit of pavement shown.
13. **Rip-rap** - Rip-rap is to be installed at locations as directed by the County.
14. **Traffic Flow** - The flow of traffic shall be maintained at all times during construction unless instructed otherwise by the County. The Contractor shall furnish all traffic control devices/measures per "The Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD) requirements and guidelines including but not limited to flagmen, warning signs, barricade and lights necessary to control the traffic and protect the public. Payment of traffic control setup shall be made per the unit price established in the contract.
15. **Mailboxes** - If a mailbox must be removed during construction, the Contractor shall replace it in the same order as original, so as to not cause any disruption of mail delivery. The Work shall not be measured separately for payment. A temporary mailbox shall be placed by the Contractor to allow customer to receive mail during construction.
16. **Hydrant Meters** - If hydrant water is needed for construction, the Contractor shall acquire a hydrant meter from DeKalb County Watershed Management at 774 Jordon Lane, Suite 200. This meter shall be used for any and all water usage. Chlorinated water released at the project site shall satisfy environmental protection requirements.
17. **Backfilling** - Contractor shall provide all necessary suitable backfill material in the trench and over the pipe, in accordance with the Referenced Standards. All

bends, thrust blocks, and appurtenances shall be inspected before backfilling the trench.

18. **Public Outreach Contact (POC)** – The **Contractor** shall designate a public outreach contact (POC) on the construction crew to continuously coordinate and provide information regarding customer service issues at the project site to the **County's** construction manager, who will notify the County's DWM Public Outreach Office (DWMPOO) and Public Communications and Outreach Specialist (PCOS). The POC's specific duties are specified in Section 013351.
19. **Pre-Construction Video** - The Contractor shall record the existing conditions where any work is to be performed and all adjacent areas, including all driveways, on videotape prior to any construction activity. A copy shall be submitted to the County and shall become its property. Short narrative descriptions identifying locations are required on the tapes for permanent records.
20. **Erosion Control** - All erosion control measures shall be in place before the start of any excavation.
21. **Dust** - Contractor shall be responsible for all dust control measures along with keeping the roadway clear of dirt and mud during construction.
22. **Work Sites** - No open trench or pit shall be left unsupervised. Open construction pits shall be backfilled and closed at the end of each working day. Exceptions shall be permitted only by the approval of the County. Open pits and road cuts shall be covered utilizing steel plates in accordance with DWM Design Standards and latest Amendments. All work sites shall be clean and safety protection elements in place at the end of the work day. No equipment shall linger in the roadway unattended.
23. **Material in Creek or Stream** - Contractor shall not deposit excavated material, chipping material or any other debris in the creek or stream. The Contractor shall submit a plan for creek or stream crossing of equipment for approval by the County. The plan shall indicate the means and method to be employed during construction. Creek crossings shall be designed in accordance with the Technical Specifications referenced in the General Requirements.
24. **Plan Elevations** - Elevations on plans shown are mean sea level according to the Georgia Geodetic Survey. Bearings on plans are grid north.
25. **Lighting Facilities** - High intensity lighting facilities shall be so arranged that the source of any light is concealed from public view and from adjacent residential property and does not interfere with traffic.
26. **Pipe Lengths** - All pipe lengths are scaled lengths from center of structure. Contractor shall verify prior to ordering materials.

27. **Miscellaneous Fittings** - Miscellaneous fittings not specifically listed in the Bid Schedule but required for a complete piping system shall not be paid for as separate items, unless the DWM PM approves on a case-by-case basis. The contractor shall incorporate cost as a part of the applicable items listed in the Bid Pricing Schedule.
28. **Bridge Attachments** – In the event of a pipeline crossing on a bridge structure, a special design is required and will be provided by the County.
29. **Uncased Boring/Free Bore** - When directed by the County, the Contractor shall use an earth auger machine to bore a controlled hole to the line and grade required and as necessary. Said hole shall be of a constant diameter which shall not exceed four (4) inches larger than the joint diameter of the pipe, and shall be maintained until the pipe is installed through the hole. If the annular space between the earthen hole and the pipe exceed six (6) inches, then the Contractor shall fill in such space either by pressure grouting or pumping a flowable fill to eliminate possible settlement.
30. **Georgia Utility Contractor's License** – The Prime Contractor and/or it's Sub-Contractors performing utility work shall be required to have a Georgia Utility Contractor's License. A copy of said license shall be attached with the Bid Package and available for inspection during the term of the contract.
31. **Georgia Utility Manager's License** – In addition to the Prime Contractor, all Sub-Contractors performing utility work are also required to have a Georgia Utility Manager's License. A copy of said license shall be attached with the Bid Package and available for inspection during the term of the contract.
32. **Prime Point of Contact** - The Contractor's "Main Point of Contact" shall be on site at all times. This person's responsibilities shall include the role of a liaison between the County and the sub-contractor or the workers.
33. **Personal Protective Equipment (P.P.E.)** – The Contractor/Sub-Contractor shall wear all appropriate P.P.E. at all times when working on the job site.
34. **CCTV Inspection** - The CCTV inspection (pre-installation), if requested by the County, will be paid per linear footage price established in this contract. The contractor shall provide the CCTV record to the County using the NASSCO PACP standard. The post installation CCTV inspection is an integral part of the contract and will not be paid separately.
35. **Payment Applications** – The Contractor and County staff shall review and inspect payment items prior to the monthly payment application submittal. The Contractor shall submit a weekly summary of bid item quantities installed and accepted by the County Inspector each week. The tabulation of those approved quantities will be the basis for the monthly pay application. Pay applications are to also include certified payroll documents that coincide with the work billed for that period. Pay applications are due to the DWM Project Manager on the last Friday of each month. Format shall be as shown in **Exhibit 5 - Sample Pay Application**.