

Attachment J02

Fort Gordon Water Distribution System

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J02 Fort Gordon Water Distribution System

J02.1 Fort Gordon Area Overview

Fort Gordon, Georgia is a U.S. Army Installation located immediately adjacent to the City of Augusta. It occupies approximately 56,000 acres in eastern Georgia. Fort Gordon was established in 1941 as Camp Gordon and served as a divisional training base during WWII. In 1956 Camp Gordon was designated a permanent military installation and became Fort Gordon. In 1974 the Fort was redesignated the United States Army Signal Center and Fort Gordon. Today, Fort Gordon is the largest communications-electronics facility in the free world. The Signal Center conducts specialized instruction for all Signal Regiment military and Department of Army civilian personnel and provides doctrine and training development support. The Reserve Components Support Division provides year-round training for more than 60,000 reservists, as well as Army and Navy Reserve Officer Training Corps students. The Fort's population today is about 19,835 with 14,080 military and training personnel, 2,370 civilians and 3,385 family members. The Fort provides services to about 64,330 persons including retirees and their dependents and active duty personnel and their dependents.

Fort Gordon Recreation Area (Clark Hill Recreation Area), located approximately 22 miles NNW of the Installation in Columbia County, is leased by Fort Gordon, however it owns all of the infrastructure. The Recreation Area was established in the 1950's. Situated on a peninsula surrounded by the Clark Hill Reservoir, the Recreation Area provides areas of boating and camping activities for military and civilian personnel served by Fort Gordon.

J02.2 Water Distribution System Description

The Fort Gordon water distribution system comprises all appurtenances physically connected to the system from the point in which the Government ownership currently starts to the point of demarcation defined in part J02.10 of this Section. The system may include, but is not limited to the intake, raw water pump station, water treatment plant, storage tanks, distribution piping and appurtenances. The following description and inventory is included to provide the Offeror with a general understanding of the size and configuration of the distribution system. Under no circumstances shall the successful Contractor be entitled to any rate adjustments based on the accuracy of the following description and inventory.

The Fort currently holds PWSID permit number GA2450028. Water system permits may not be transferable. When the Contractor assumes operation of the water system(s), it is the responsibility of the Contractor to file an application for transfer of the permit or issuance of a new permit. The application must be received by the Georgia Department of Natural Resources – Environmental Protection Division in sufficient time for permit change prior to operation of the system by the Contractor.

The Contractor shall comply with all applicable federal, state, and local regulations governing the operation of the water system.

J02.2.1 Water Distribution System Fixed Equipment Inventory

J02.2.1.1 Water Distribution Description

The water distribution system at Fort Gordon consists of surface water supply, treatment, storage, and piping. The current water supply is an 84-acre reservoir fed by Butler Creek. The reservoir is not being privatized and the Government will maintain water rights. Water is drawn through three intakes and pumped from the raw water pump station to the 5.4 MGD treatment plant. The treatment plant consists of a flash mixer, two upflow clarifiers, four anthracite/sand filters, a clearwell, and four high service pumps. Sludge from the upflow clarifiers is sent to a decant tank. The decant water is sent to the wastewater treatment plant along with the filter backwash, and the sludge is sent to drying beds. The water treatment plant was constructed in 1970. The original water distribution system dates back to the 1940's, but improvements have been made as needed since that time. Recent improvements include a new 16" raw water main to the treatment plant and a SCADA system at the treatment plant.

There is a 2.25 MG standpipe and a 500,000-gallon elevated storage tank on Post, both constructed in 1942. The elevated storage tank was repainted and upgraded to be OSHA compliant in the mid-1990's.

There are wells that serve outlying areas and that provide non-potable irrigation water. The wells and associated piping are not part of this solicitation. There is an 18-inch connection owned by Augusta-Richmond County that supplied water to the Fort prior to the construction of the water treatment plant. It has not been used since 1985 and should not be relied upon as a viable source of emergency water supply. There are also fire protection lines that serve sprinkler systems inside buildings. The fire protection lines are fed by the water distribution system. The fire protection lines are included as part of this privatization contract. The fire department must have access to fire hydrants and post indicator valves on fire protection lines.

The Fort Gordon Recreation Area (Clark Hill Recreation Area) water distribution system was originally installed in the 1950's and was supplied by groundwater wells. The wells have all been capped and the Recreation Area presently receives its water from Columbia County via a 4" PVC interconnection.

The backup emergency generator that serves the water treatment plant shall be conveyed as part of that particular system.

There are presently 991 backflow preventers installed on 943 buildings. The backflow preventers are of various size, material and age. Details on each backflow preventer will be made available as part of the Technical Library. The Contractor will be required to meet a State requirement of maintaining the capability of containment at each building through the use of backflow preventers. Fort Gordon does not presently have enough backflow preventers to meet this requirement. The Contractor will be required to provide additional backflow preventers to meet this requirement. (See Table 9).

The Contractor will be required to perform sampling in accordance with all federal, state, and local regulations and maintain the flushing program IAW Drinking Water Distribution System Flushing Plan No. 31-08-5266-00 presently being performed by the Fort Gordon Fire Department. The flushing plan will be made available in its entirety as part of the Technical Library.

J02.2.1.2 Water Distribution Inventory

Table 1 provides a general listing of the major water distribution system fixed assets for Fort Gordon. The system will be sold in an “as is, where is” condition without any warrant, representation, or obligation on the part of the Government to make any alterations, repairs, or improvements. Ancillary equipment attached to, and necessary for, operating the system, though not specifically mentioned herein, is considered part of the purchased utility.

Table 1
 Fixed Inventory
 Water Distribution System – Fort Gordon

Item	Material	Size (Inches)	Quantity	Unit	Approximate Year of Construction
Piping					
	PVC	1	324	Linear Feet	1940's
	Cast Iron	1.5	1,404	Linear Feet	1940's
	Galvanized Steel	1.5	2,936	Linear Feet	1940's
	Unknown	1.5	1,076	Linear Feet	1940's
	Cast Iron	2	5,092	Linear Feet	1940's
	Copper	2	364	Linear Feet	1940's
	Galvanized Steel	2	4,100	Linear Feet	1940's
	PVC	2	4,848	Linear Feet	1940's
	Unknown	2	1,204	Linear Feet	1940's
	Galvanized Steel	2.5	1,400	Linear Feet	1940's
	PVC	2.5	296	Linear Feet	1940's
	Asbestos Cement	3	96	Linear Feet	1940's
	Cast Iron	3	1,857	Linear Feet	1940's
	Copper	3	252	Linear Feet	1940's
	Galvanized Steel	3	4,407	Linear Feet	1940's
	PVC	3	1,116	Linear Feet	1940's
	Unknown	3	608	Linear Feet	1940's
	Cast Iron	4	8,620	Linear Feet	1940's
	PVC	4	1,836	Linear Feet	1940's
	Unknown	4	812	Linear Feet	1940's
	Asbestos Cement	6	15,068	Linear Feet	1940's
	Cast Iron	6	84,472	Linear Feet	1940's
	PVC	6	20,428	Linear Feet	1940's
	Unknown	6	416	Linear Feet	1940's
	Asbestos Cement	8	27,540	Linear Feet	1940's
	Cast Iron	8	77,016	Linear Feet	1940's
	PVC	8	10,760	Linear Feet	1940's
	Unknown	8	2,600	Linear Feet	1940's
	Asbestos Cement	10	3,016	Linear Feet	1940's
	Cast Iron	10	1,888	Linear Feet	1940's
	Asbestos Cement	12	908	Linear Feet	1940's
	Cast Iron	12	50,492	Linear Feet	1940's
	Asbestos Cement	14	1,928	Linear Feet	1940's
	Cast Iron	16	2,568	Linear Feet	1940's
	PVC	16	3,000	Linear Feet	2002

Item	Material	Size	Quantity	Unit	Approximate Year of Construction
	Cast Iron	18	9,760	Linear Feet	1940's
	Cast Iron	20	3,688	Linear Feet	1940's
	Cast Iron	Unknown	968	Linear Feet	1940's
	Galvanized. Steel	Unknown	1,164	Linear Feet	1940's
	Unknown	Unknown	2,872	Linear Feet	1940's
Piping Total			363,200	Linear Feet	
Building Services (laterals)*	Various	Various	2,250	Each	Various
Valves	Various	Various	743	Each	1940's
Backflow Preventers	Various	Various	991	Each	Various
Fire Hydrant Assemblies			460	Each	1940's
Standpipe	Steel	2.25 MG	1	Each	1942
Elevated Storage Tank	Steel	500,000 gallons	1	Each	1942
Raw Water Intake	Reinforced Concrete	Unknown	1	Each	1970
Raw Water Pump Station (Bldg. 202)	C.M.U.	824 SF	1	Each	1970
Raw Water Pump #1	Vertical Turbine	150 hp/1,825 gpm/220' TDH	1	Each	1970
Raw Water Pump #2	Vertical Turbine	300 hp/3,650 gpm/220' TDH	1	Each	1970
Raw Water Pump #3	Vertical Turbine	150 hp/1,825 gpm/220' TDH (70 hp diesel backup)	1	Each	1970
Water Treatment Plant	Various	5.4 MGD	1	Each	1970

* Building service is assumed to be defined as 1-2" inch diameter copper service tap into pressurized mains 6-8" in diameter, including excavation, backfill and required curb stops with boxes.

J02.2.2 Water Distribution System Non-Fixed Equipment and Specialized Tools Inventory

Table 2 lists other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment and tools. The successful Contractor shall provide any and all equipment, vehicles, and tools, whether included in the purchase or not, to maintain a fully operating system under the terms of this contract.

Table 2
Spare Parts
Water Distribution System – Fort Gordon

Qty	Item	Make/Model	Description	Remarks
None				

Table 3
 Specialized Equipment and Vehicles
 Water Distribution System – Fort Gordon

Description	Quantity	Location	Maker
Laboratory Equipment – Offerors will be able to view the laboratory and equipment during site visits. An inventory is not presently available for inclusion.			

J02.2.3 Water Distribution System Manuals, Drawings, and Records Inventory

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

Table 4
 Manuals, Drawings, and Records
 Water Distribution System – Fort Gordon

Qty	Item	Description	Remarks
The installation maintains a limited collection of manuals, drawings and records on installed components of the water distribution system. The drawings are located in the library in Building 14600. This information will be made available during the site visits and will be located in the Technical Library. This information or copies thereof will also be transferred during the transition period.			

J02.3 Current Water Distribution Service Arrangements

The Main Post of Fort Gordon currently receives all of its water supply from surface water. There are also wells that serve outlying areas. Neither the wells nor the surface water reservoir is a part of this solicitation. There is an 18-inch connection to Augusta-Richmond County for emergency water supply. This connection has not been used since 1985 and should not be considered to be a viable option for emergency water supply. The Fort does not own the 18-inch main and the Offeror should not expect to repair or maintain it. Fort Gordon also supplies water to the National Science Center and the Augusta State Medical Prison, both located north of the Installation. These lines will be privatized up to, and including the meters.

J02.4 Secondary Metering

The Fort shall require secondary meters for internal billings of their reimbursable customers, utility usage management, and energy conservation monitoring. The Contractor shall assume full ownership and responsibility for existing and future secondary meters IAW Clause C.3.3. There are water meters at four facilities that have additional monitoring equipment associated with them. The meters are included as part of this solicitation however the monitoring equipment attached to them will not be privatized. These facilities are Building 20400, Luketina Hall; Building 21401, Vincent Hall; Building 25801, Cobb Hall; and Building 24701, Back Hall.

J02.4.1 Existing Secondary Water Distribution Meters

Table 5 provides a listing of the existing (at the time of this report) reimbursable secondary meters that will be transferred to the Contractor. The Contractor shall provide meter readings once a month for all secondary meters IAW C.3.3 and J02.5 below. Table 5 lists only the reimbursable meters. There are other facilities with meters, not listed in this table that will be transferred to the Contractor.

Table 5
 Existing Secondary Meters
 Water Distribution System – Fort Gordon

Meter Location/Building Number	Facility Served	Approximate Year of Construction
N/A	Office of Rehabilitation	1940's
13401	Medical Training	1940's
14401	81 st Army Reserve Component	1940's
Unknown	Medical Training	1940's
Unknown	Medical Training	1940's
15500	Bowling Center #2	1940's
18400	Gordon Club	1940's
31300	Class 6	1940's
37200	Commissary	1940's
38200	New PX	1940's
37300	Stinson	1940's
37300	Stinson	1940's
37302	Stinson	1940's
33200	Bowling Center #1	1940's
32200	DCA	1940's
35402	Army Air Force Exchange Services BK	1940's
49300	Army Air Force Exchange Services	1940's
36708	Officers' Club (MTR # 88036764)	1940's
36708	Officers' Club-P (MTR # 1401244)	1940's
36713	Officers' Club	1940's
34603	Center Golf Course	1940's
34603	Center Golf Course	1940's
34603	Center Golf Course	1940's
34603	Center Golf Course	1940's
100	Army Air Force Exchange Services	1940's
N/A	National Science Center	1940's
25711	Army Air Force Exchange Services	1940's
29808	Signal Towers Cafeteria	1940's
25440	Army Air Force Exchange Services	1940's
537	Gordon Lakes Golf Course	1940's
531	Gordon Lakes Golf Course	1940's
509	Stables	1940's
39103	Eisenhower Army Medical Center	1940's
39109	Eisenhower Army Medical Center	1940's
39117	Eisenhower Army Medical Center	1940's

Meter Location/Building Number	Facility Served	Approximate Year of Construction
40701	Eisenhower Army Medical Center	1940's
40701	Eisenhower Army Medical Center	1940's
40707	Eisenhower Army Medical Center	1940's
40709	Eisenhower Army Medical Center	1940's
39710	Eisenhower Army Medical Center	1940's
39718	Eisenhower Army Medical Center	1940's
39719	Eisenhower Army Medical Center	1940's
38803	Eisenhower Army Medical Center	1940's
38802	Eisenhower Army Medical Center	1940's
38801	Eisenhower Army Medical Center	1940's
38717	Eisenhower Army Medical Center	1940's
38715	Eisenhower Army Medical Center	1940's
38707	Eisenhower Army Medical Center	1940's
38711	Eisenhower Army Medical Center	1940's
38713	Eisenhower Army Medical Center	1940's
38705	Eisenhower Army Medical Center	1940's
38703	Eisenhower Army Medical Center	1940's
38701	Eisenhower Army Medical Center	1940's
280	Eisenhower Army Medical Center	1940's
280	Eisenhower Army Medical Center	1940's
308	Eisenhower Army Medical Center	1940's
300	Eisenhower Army Medical Center	1940's
300	Eisenhower Army Medical Center	1940's
300	Eisenhower Army Medical Center	1940's
300	Eisenhower Army Medical Center	1940's
301	Eisenhower Army Medical Center	1940's
319	Eisenhower Army Medical Center	1940's
320	Eisenhower Army Medical Center	1940's
357	Eisenhower Army Medical Center	1940's
358	Eisenhower Army Medical Center	1940's
33800	Eisenhower Army Medical Center	1940's
29709	Eisenhower Army Medical Center	1940's
21712	Eisenhower Army Medical Center	1940's
25712	Eisenhower Army Medical Center	1940's
29605	Eisenhower Army Medical Center	1940's
25501	Eisenhower Army Medical Center	1940's
500	Eisenhower Army Medical Center	1940's
N/A	Fort Gordon Recreation Area	1950's

J02.4.2 Required New Secondary Water Distribution Meters

The Contractor shall provide and calibrate new secondary meters as listed in **Table 6**. New secondary meters shall be installed IAW Clause C.13.3, Operational Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Clauses C.3.3 and J02.5 below. The following table represents the total number of required new secondary meters at a minimum. Additional new secondary meters may be required.

Table 6
New Secondary Meters
Water Distribution System – Fort Gordon

Meter Location: Building Number	Description
Meters shall be installed at ALL facilities not presently metered, as outlined by State requirements. Details of this project will be provided at part of the Technical Library.	

J02.5 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

Invoice (IAW G.2). The Contractor’s monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to the Contracting Officer’s designee. (This information will be provided upon award.)

Outage Report. The Contractor’s monthly outage report will be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to the Contracting Officer’s designee. (This information will be provided upon award.) Outage reports shall include the following information for Scheduled and Unscheduled outages:

Scheduled: Requestor, date, time, duration, facilities affected, feedback provided during outage, outage notification form number, and digging permit number. Digging Permits are required for all excavations over 6 inches in depth. Permits are available from the Work Management Branch, DPW, in Building 14600.

Unscheduled: Include date, time and duration, facilities affected, response time after notification, completion times, feedback provided at time of outage, specific item failure, probability of future failure, long-term fix, and emergency digging clearance number.

Meter Reading Report. The monthly meter reading report shall show the current and previous month readings for all secondary meters. The Contractor’s monthly meter reading report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Meter reading reports shall be submitted by the 15th of each month for the previous month. Meter reading reports shall be submitted to the Contracting Officer’s designee. (This information will be provided upon award.)

System Efficiency Report. If required by Clause C.3, the Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. System efficiency reports shall be submitted by the 25th of each month for the previous month. System efficiency reports shall be submitted to the Contracting Officer’s designee. (This information will be provided upon award.)

J02.6 Energy Savings and Conservation Projects

IAW Clause C.3, Utility Service Requirement. No projects have been currently implemented by the Installation for energy conservation purposes.

J02.7 Service Area

IAW Clause C.4, Service Area. The service area is defined as the boundaries of Fort Gordon, including the National Science Center and Augusta State Medical Prison and Fort Gordon Recreation Area (Clark Hill Recreation Area).

J02.8 Off-Installation Sites

This package includes the Fort Gordon Recreation Area (Clark Hill Recreation Area), located about 22 miles north northwest of the Fort. Paragraphs J02.2.2, “Water Distribution System Non-Fixed Equipment and Specialized Tools Inventory”; J02.2.3, “Water Distribution System Manuals, Drawings, and Records Inventory”; and J02.5, “Monthly Submittals” apply to the following off-installation site. In addition, there are no secondary meters or energy savings and conservation projects at the following site that have not already been listed.

Fort Gordon Recreation Area (Clark Hill Recreation Area): 909 acres

Fort Gordon Recreation Area (Clark Hill Recreation Area)

This area is served by a 4” PVC connection to Columbia County.

Table 7

Fixed Inventory

Water Distribution System – Fort Gordon Recreation Area (Clark Hill Recreation Area)

Item	Material	Size (inches)	Quantity	Unit	Approximate Year of Construction
Piping	Galvanized Steel	0.75	435	Linear Feet	1967
	PVC	0.75	675	Linear Feet	1975
	PVC	0.75	440	Linear Feet	1973
	Galvanized Steel	1	360	Linear Feet	1972
	Galvanized Steel	1	1,299	Linear Feet	1968
	PVC	1	375	Linear Feet	1975
	PVC	1	260	Linear Feet	1973
	Galvanized Steel	1.25	55	Linear Feet	1968
	PVC	1.25	360	Linear Feet	1975
	PVC	1.25	270	Linear Feet	1973
	Galvanized Steel	1.5	63	Linear Feet	1970
	Galvanized Steel	1.5	1,229	Linear Feet	1968
	PVC	1.5	400	Linear Feet	1973
	Cast Iron	2	1,280	Linear Feet	1972
	Galvanized Steel	2	125	Linear Feet	1969
	Galvanized Steel	2	63	Linear Feet	1970
	Galvanized Steel	2	76	Linear Feet	1971
	Galvanized Steel	2	505	Linear Feet	1968
	PVC	2	1,000	Linear Feet	1973
	Galvanized Steel	2.5	545	Linear Feet	1968

Item	Material	Size (inches)	Quantity	Unit	Approximate Year of Construction
	Galvanized Steel	2.5	546	Linear Feet	1971
	PVC	2.5	1,080	Linear Feet	1973
	Cast Iron	3	5,346	Linear Feet	1970
	Unknown	3	6,000	Linear Feet	1956
	PVC	4	1,300	Linear Feet	1980's
Piping Total			24,087	Linear Feet	
Fire Hydrant Assemblies			20	Each	1956
Ground Storage Tank		5,000 Gallons	1	Each	1956

J02.9 Specific Transition Requirements

IAW Clause C.13, Operational Transition Plan. **Table 8** lists service connections and disconnections required upon transfer, and **Table 9** lists the improvement projects Fort Gordon is planning to implement. The Contractor may propose alternative projects or approaches to upgrading and operating the system as long as all regulatory requirements are met.

Table 8
Service Connections and Disconnections
Water Distribution System – Fort Gordon

Location	Description
None	

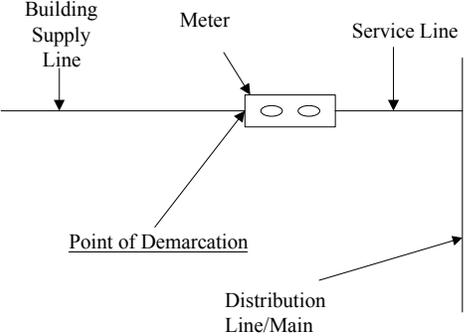
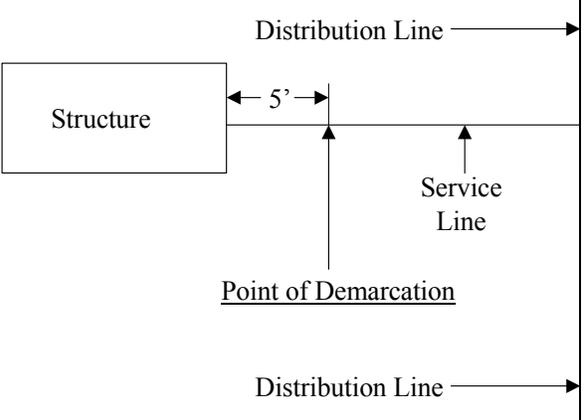
Table 9
System Improvement Projects (Details of projects will be included in the Technical Library)
Water Distribution System – Fort Gordon

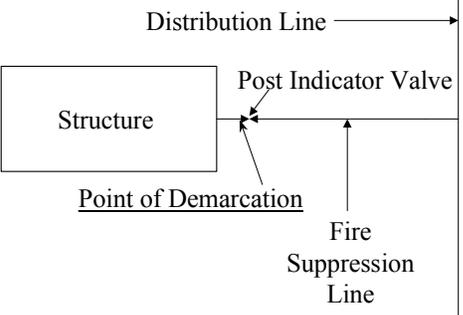
Location	Description	Year of Completion
Water Treatment Plant	Upgrade clearwell	FY 2005
	Upgrade reactor clarifiers	FY 2003
	Evaluate disinfection	FY 2003
	Lead abatement in filter pipe gallery	FY 2005
	Upgrade laboratory	FY 2003
Storage tanks	Upgrade storage capacity to meet State requirements – Two 500,000-gallon tanks; One 300,000-gallon tank.	FY 2003
Backflow Prevention	Provide backflow preventers as needed to meet State requirement of maintaining containment of all facilities.	FY 2003
Metering	Replace all existing meters and install meters on all facilities. Master meters may be installed at the housing areas in lieu of installing meters at each unit.	FY 2003

J02.10 Water Distribution System Points of Demarcation

The point of demarcation is defined as the point on the water distribution pipe where ownership changes from the Grantee to the building owner. The table below identifies the general locations of these points with respect to the building served.

Table 10
 Points of Demarcation
 Water Distribution System – Fort Gordon

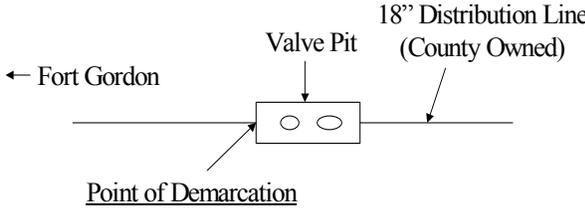
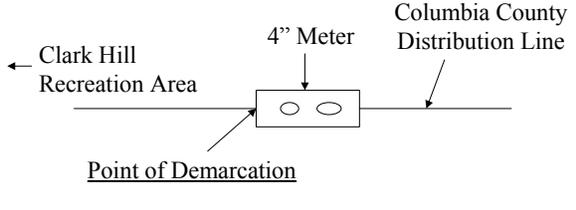
Point of Demarcation	Applicable Scenario	Sketch
<p>The point of demarcation is the customer side of the meter.</p>	<p>Structures with a service meter.</p>	
<p>The point of demarcation is 5 feet away from the exterior of the structure.</p>	<p>Structures without meters.</p>	

Point of Demarcation	Applicable Scenario	Sketch
<p>The point of demarcation is on the structure side of the post indicator valve.</p>	<p>Structures with fire suppression lines supplied by the water distribution system.</p>	 <p>The sketch shows a rectangular box labeled 'Structure' on the left. A horizontal line representing the 'Distribution Line' extends from the structure to the right. A 'Post Indicator Valve' is located on this line, closer to the structure. An arrow points to the valve from the label 'Post Indicator Valve'. Below the valve, an arrow points to the structure side of the line, labeled '<u>Point of Demarcation</u>'. To the right of the valve, the line continues to a vertical line on the far right. Below the main line, a vertical line labeled 'Fire Suppression Line' connects to the main line between the valve and the far right boundary. The label 'Distribution Line' is at the top with an arrow pointing right. The label 'Structure' is inside the box. The label 'Point of Demarcation' is underlined and has an arrow pointing to the structure side of the valve. The label 'Post Indicator Valve' has an arrow pointing to the valve. The label 'Fire Suppression Line' has an arrow pointing to the vertical line.</p>

J02.10.1 Unique Points of Demarcation

The following table lists anomalous points of demarcation that do not fit any of the above scenarios.

Table 11
Unique Points of Demarcation
Water Distribution System – Fort Gordon

Point of Demarcation	Description	Sketch
<p>The point of demarcation is the downstream side of valve pit.</p>	<p>Augusta-Richmond County 18" Distribution Line</p>	 <p>The sketch shows a horizontal line representing the '18" Distribution Line (County Owned)'. A rectangular box labeled 'Valve Pit' is on the line. An arrow points to the valve pit from the label 'Valve Pit'. To the left of the valve pit, an arrow points left towards the text '← Fort Gordon'. Below the valve pit, an arrow points to the downstream side of the line, labeled '<u>Point of Demarcation</u>'. The label '18" Distribution Line (County Owned)' is at the top right with an arrow pointing to the line.</p>
<p>The point of demarcation is the downstream side of valve pit.</p>	<p>Columbia County Distribution To Fort Gordon Recreation Area (Clark Hill Recreation Area)</p>	 <p>The sketch shows a horizontal line representing the 'Columbia County Distribution Line'. A rectangular box labeled '4" Meter' is on the line. An arrow points to the meter from the label '4" Meter'. To the left of the meter, an arrow points left towards the text '← Clark Hill Recreation Area'. Below the meter, an arrow points to the downstream side of the line, labeled '<u>Point of Demarcation</u>'. The label 'Columbia County Distribution Line' is at the top right with an arrow pointing to the line.</p>

Point of Demarcation	Description	Sketch
The point of demarcation is the downstream side of meter.	Augusta State Medical Prison (Gate 3)	
The point of demarcation is the downstream side of valve box.	National Science Center	

J02.11 Treatment Plants and Storage Tanks

The following table lists all water treatment plants and storage tanks.

Table 12
Water Treatment Plants and Storage Tanks
Water Distribution System – Fort Gordon

Description	Facility #	State Coordinates	Other Information
Water Treatment Plant	200	(Available in Installation mapping)	5.4 MGD Design Flow
Standpipe	2120	(Available in Installation mapping)	2,250,000 gallons
Elevated Storage Tower	31307	(Available in Installation mapping)	500,000 gallons
Ground Storage Tank (Fort Gordon Recreation Area (Clark Hill Recreation Area))	N/A	(Available in Installation mapping)	5,000 gallons

J02.12 Utility Response

Service and Trouble calls. All service calls are directed to the Fort Gordon Service Order Desk (791-5520). The Utility's 24-hour Service Office telephone number will be made available to key offices on the Installation. The Utility shall have in place a mechanism, a means, or procedure by which Fort Gordon's DPW personnel can quickly notify the Utility of the emergency work. If there is an order of preference of phone numbers/Utility personnel to call, the Utility shall clearly define

that precedence. The Government office(s) responsible for coordinating service, trouble, and emergency calls will contact the Utility's Service Office to report any problems, outages, leaks, overflows, or request other service. The Contractor's Service Interruption/Contingency Plan shall meet the current response times at a minimum. Fort Gordon will establish the priority of the service order. Restoration of service shall be coordinated with the Government Office reporting the problem or service and person(s) responsible for the building or facility. Once work has started, the work has to be continued to completion. The following service order hierarchy is in place.

Emergency Service Orders during Normal Duty Hours (7:30 a.m. - 4:00 p.m., Monday through Friday, excluding holidays). The Utility shall respond to emergency work directives and begin to work on the problem within sixty (60) minutes of the report of the occurrence.

Emergency Service Orders (Outside of normal duty hours). The Utility shall respond to an emergency work directive outside of normal duty hours and begin work on the problem within one hundred and twenty (120) minutes of the report of the occurrence.

Non-Emergency Work Directives. The Utility shall respond to all non-emergency work directives in accordance with the following classifications:

- Priority 1 – requires response within eight (8) normal duty hours and continuous effort until completion.
- Priority 2 – requires response within twenty-four (24) normal duty hours and completion within ten (10) working days.
- Priority 3 – requires response within ten (10) working days and completion within thirty (30) working days.

Historical service order data will be made available to Offerors during the site visits.

Scheduled Water/Wastewater Outages. Utility requests for scheduled outages shall be coordinated with the Directorate of Public Works and the facility manager/user ten (10) working days prior to the scheduled outage. All reasonable effort will be made to minimize the number of facilities affected and the duration of the outage. The Government reserves the right to either disapprove a scheduled outage or to cancel at any time, before or during, a scheduled outage if such outage might adversely affect Government missions and operations. In the event of such disapproval or cancellation, the parties will coordinate a mutually acceptable alternative time for the scheduled outage. The Government may require the alternative time for the scheduled outage to be outside of normal duty hours.