

ATTACHMENT J32

U.S. Army Fort Bliss Wastewater Collection System

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J32 U.S. Army Fort Bliss Wastewater Collection System

J32.1 U.S. Army Fort Bliss Overview

The U.S. Army Fort Bliss was established in November 1848 as the Post of El Paso. In March 1854, it was renamed Fort Bliss in honor of William Wallace Smith Bliss, a veteran of the Florida Seminole and Mexican Wars and later adjutant general of the Army's Western Division. Originally established to protect settlers from Indians and marauding bandits, it is one of the oldest posts in the United States Army. Although both infantry and cavalry soldiers could once be found on Fort Bliss, today the mission focus is on air defense artillery. As the center for air defense, Fort Bliss' partner organizations include:

- 11th Air Defense Artillery Brigade
- 3rd Armored Cavalry Regiment
- William Beaumont Army Medical Center
- U. S. Army Sergeants Major Academy
- "Capstone" school in the U.S. Army's Noncommissioned Officer Education System
- Joint Task Force Six
- German Air Force Command (United States/Canada)
- German Air Defense School

The U.S. Army Fort Bliss is located at the tip of West Texas on the borders of Texas and New Mexico. With 1.1 million acres, the Post is larger than the state of Rhode Island and can accommodate every weapon system in the Army. Although the main cantonment area is located in Texas, ranges extend into the state of New Mexico. Excellent ranges and immense training areas, coupled with America's third longest runway at Biggs Army airfield, make Fort Bliss a premier facility for training, mobilization, and deploying combat forces. Each year, many military training exercises occur at the Post, including the largest joint training exercise in the world, Roving Sands.

J 32.2 Wastewater Collection System Description

J 32.2.1 Wastewater Collection System Fixed Equipment Inventory

The U.S. Army Fort Bliss wastewater collection system consists of all appurtenances physically connected to the collection system from the point of demarcation defined by the real estate instruments to the point in which the collection system exits the base and current Government ownership ends. Generally, the point of demarcation will be the building footprint. The system may include, but is not limited to, pipelines, lift station, and manholes. The following description and inventory is included to provide the Offeror with a general understanding of the size and configuration of the collection system. The Offeror shall base the proposal on site inspections, information in the bidder's library, other

pertinent information, and to a lesser degree the following description. Under no circumstances shall the successful Contractor be entitled to any rate adjustments based on the accuracy of the following description and inventory.

J32.2.1.1 Description

The U.S. Army Fort Bliss wastewater system consists of collection lines, lift stations, and a sewage lagoon. All sewage generated on U.S. Army Fort Bliss is collected by the sewer system and pumped to the City of El Paso for treatment, except for a lagoon that is in Area 637. There are no treatment facilities on the Main Post, other than the lagoon in Area 637. Wastewater personnel are also responsible for the wastewater systems within all the ranges. Since many of the ranges are in remote locations, many have sewage lagoons that provide treatment, while others have septic tanks (that are not included in this study).

The sanitary collections system on Main Post consists of 553,094 feet of sewer lines ranging in size from 6" to 30", with 8" being the most common size. There are also 1,839 manholes and one lift station. The age of the wastewater collection system on Main Post ranges from fairly new to over 80 years old. There are four sewage collection systems recently constructed in the Main Post area. These are:

- CGO Site. CGO site, constructed in 1998, is a new housing areas consisting of 1,305' of 8" sewer line and 6 manholes.
- NCO Site NCO site is a family housing area constructed in 1998. Within the area, there are 2,165' of 8" sewer line and 9 manholes.
- FY93 FY93 is a housing area constructed in 1997 and consists of 9,975' of 8" sewer line with 45 manholes.
- FY95 FY95 is a housing area constructed in 1996 and consists of 6,105' of 8" sewer line and 25 manholes.

The sewer line quantities were taken from constructed record drawings. The sewage generated in all of the above areas flows to the existing sewer system on the Main Post.

The wastewater system at the Site Monitor basically consists of sewer lines from individual buildings that flow to either septic tanks and disposal fields or to dry wells. (The site was not included in the inventory.)

The wastewater system at the McGregor/Meyer Range is a small system that collects sewage from latrines and from a bivouac area. The collected sewage flows to a lift station where it is pumped to an oxidation pond. The lift station has a rated flow of 390 gpm and the oxidation pond has a volume of 2.44 million gallons. The wastewater system consists of 4,890' of 8" sewer line and 6 manholes in addition to the lift station and oxidation pond. The sewerage system was constructed in 1962. (Not included in this inventory is a part of the system consisting of individual latrines connected to a septic tank and disposal field.)

The wastewater system at McGregor Range Camp consists of a collection system for handling wastewater from a number of buildings. The wastewater drains to the south for treatment in an oxidation pond. The collection system consists of 4,470' of 10" sewer lines, 13,600' of 8" sewer lines, and 57 manholes. The sewerage system was constructed in 1962.

The wastewater system at Oro Grande Range Camp collects the sewage from a number of buildings. The collected sewage flows to the northeast for treatment in an oxidation pond. The system consists of 2,375' of 6" sewer lines, 5,560' of 8" sewer lines, and 22 manholes in addition to the oxidation pond. The sewerage system was constructed in 1962.

The wastewater system at North McGregor is very small and consists of only latrines with only one facility flowing to a septic tank and disposal field. (The system was not included in the inventory.)

The wastewater collection system at Dona Ana Range Camp collects the sewage from a number of buildings that drain to two oxidation ponds. A portion of the sewage collected flows to a lift station for pumping to a manhole that discharges to the oxidation pond. The system consists of 1,535' of 6" sewer lines, 3,740' of 8" sewer lines, and 2,565' of 10" sewer lines. The lift station has a rated capacity of 750 gpm and each of the oxidation ponds has a volume of 5.27 million gallons.

J32.2.1.2 Inventory

Table 1 provides a general listing of the major collection system fixed assets for the Fort Bliss wastewater collection system included in the purchase. The system will be sold in an "as is, where is" condition without any warranty, 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
Wastewater Collection System Inventory U.S. Army Fort Bliss

Item	Quantity	Unit	Approximate Year of Construction
Pipe <4"	400	LF	1985
4"	2,280	LF	various
6"	59,323	LF	various
8"	306,215	LF	various
10"	74,194	LF	various
12"	60,100	LF	various
14"	150	LF	1985
15"	28,342	LF	various
16"	4,375	LF	various
18"	1,035	LF	various
20"	2,800	LF	various
21"	9,135	LF	various

Item	Quantity	Unit	Approximate Year of Construction
24"	2,565	LF	various
30"	2,180	LF	various
Meters	1	Each	1932
Manholes	1,839	Each	various
Lagoons	6	Each	(1) 1942,(4) 1962,(1) 1985
Pump/Lift Stations	5	Each	(1) 1954,(2) 1962, (1) 1985, (1) 1996

LF = linear feet

J32.2.2 Wastewater Collection 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
Wastewater Collection System U.S. Army Fort Bliss

Qty	Item	Make/Model	Description	Remarks
None Identified				

TABLE 3
Specialized Equipment and Vehicles
Wastewater Collection System U.S. Army Fort Bliss

Description	Quantity	Location	Maker
None Identified			

J32.2.3 Wastewater 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
Wastewater Collection System U.S. Army Fort Bliss

Qty	Item	Description	Remarks
	None		

J32.3 Specific Service Requirements

None Identified.

J32.4 Current Service Arrangement

All sewage generated on U.S. Army Fort Bliss is collected by the sewer system and pumped to the City of El Paso for treatment, except for a lagoon that is in Area 637. There are no treatment facilities, other than the lagoon in Area 637, on the Main Post at U.S. Army Fort Bliss. Since many of the ranges are in remote locations, many have sewage lagoons that provide treatment.

J32.5 Secondary Metering

There are currently no requirements for secondary metering of wastewater included in this contract. Any future wastewater secondary metering requested by the Government will be IAW C.3, Future Secondary Meters.

J32.6 Monthly Submittals

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

1. 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:

Name:

Address:

Phone number:

2. Outage Report. The Contractor's monthly outage report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. 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 clearance number.

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.

Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to:

Name:

Address:

Phone number:

3. 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:

Name:

Address:

Phone number:

4. System Efficiency Report. If required by Paragraph 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:

Name:

Address:

Phone number:

J32.7 Infiltration and Inflow (I&I) Projects

IAW C.3, Utility Service Requirement, the following projects have been implemented by the Government for managing and monitoring I&I:

None

J32.8 Service Area

IAW Clause C.4, Service Area, the service area is defined as all areas within the Fort Bliss boundaries to include the main cantonment area, Site Monitor Station, McGregor Range, Oro Grande, Dona Ana Range Camp, and Biggs Army Airfield.

J32.9 Off-Installation Sites

Nearby to U.S. Army Fort Bliss, is the Beaumont Medical Center, which is a complex of the main hospital building, staff housing, and laboratory facilities that support the hospital activities. The requirement for sewage service is part of and associated with this scope..

J32.10 Specific Transition Requirements

IAW Clause C.17, Transition Plan, **Table 5** lists service connections and disconnections required upon transfer, and **Table 6** lists the improvement projects required upon transfer of the Fort Bliss wastewater collection system.

TABLE 5
Service Connections and Disconnections
Wastewater Collection System U.S. Army Fort Bliss

Location	Description
None Identified	

TABLE 6
System Deficiencies
Wastewater Collection System U.S. Army Fort Bliss

Project Location	Project Description
None Identified	

J32.10 Specific Transition Requirements

None Identified