

# HANCOCK FIELD ANGB Water Distribution System

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# J5 HANCOCK FIELD ANGB Water Distribution System

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## J5.1 HANCOCK FIELD ANGB Overview

The 174<sup>th</sup> Fighter Wing, Hancock Field (ANGB) is located at the Syracuse-Hancock International Airport in Central New York State. It is approximately 5 miles north of the city of Syracuse in Onondaga County. The New York Air National Guard facilities at Hancock Field comprise a total of 356 acres of Fee-Owned land that was acquired from the city of Syracuse, NY in 1947. The 174<sup>th</sup> Fighter Wing population is currently authorized at 340 full time and increases to 1,178 total personnel on drill duty weekends that occur once per month. The base currently has approximately 52 facilities: 5 administrative, 6 services, and 41 industrial facilities, amounting to approximately 492,000 square feet. The base has no Military Family Housing or Unaccompanied/Transient Housing. A project is scheduled for award in September 2000 to construct a new Air Control Group Facility, Air Operations Squadron Facility, and an Aircraft Support Equipment and Storage Facility (net increase is 25,700SF). The project also includes infrastructure improvements as follows: install additional waterlines; replace fire hydrants; install new duct banks; and place a portion of the overhead electrical distribution system underground. The 174<sup>th</sup> Fighter Wing is equipped with F-16 aircraft. Other tenants on the base include the Civil Air Patrol and Columbia College.

## J5.2 Water Distribution System Description

### J5.2.1 Water Distribution System Fixed Equipment Inventory

The HANCOCK FIELD ANGB water distribution system consists of all appurtenances physically connected to the distribution system from the point in which the distribution system enters the Installation and Government ownership currently starts to the point of demarcation, defined by the Right of Way. The system may include, but is not limited to, pipelines, valves, fire hydrants, storage facilities, exterior backflow devices, pumps, and meters. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the distribution system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

Specifically excluded from the water distribution system privatization are:

1. High pressure fire suppression water system and pump house. (This system is not connected to the potable water supply.)
2. Lawn irrigation systems

### J5.2.1.1 Description

The water system at Hancock Field is looped with branches consisting of a mixture of cast iron, ductile iron, cement asbestos, PVC, and copper piping with cast iron gate valves and fire hydrant assemblies. Water enters the base at 15 different points at 55 pounds per square inch and is metered at each individual building that is serviced with water. Meters are located inside the buildings and owned by the water supplier and are not part of this privatization contract. The system is comprised of the following: cement asbestos pipe (approximately 7,500 LF); cast iron pipe (approximately 5,600 LF); steel pipe (approximately 4,500 LF); ductile iron pipe (approximately 2,800 LF); copper pipe (approximately 300 LF), PVC pipe (approximately 50 LF); 38 cast iron gate valves; three post indicator valves and 30 fire hydrant assemblies. No chemical treatment occurs on site and no booster pump stations are present. Pipe sizes range from 2 inches to 10 inches with installation dates ranging from 1935 to 1999 with no known marking tape or tracer wire used.

### J5.2.1.2 Inventory

**Table 1** provides a general listing of the major water distribution system fixed assets for the Hancock Field (ANGB) water distribution system included in the sale.

**TABLE 1**

Fixed Inventory

Water Distribution System Hancock Field (ANGB)

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
<b>PVC Pipe</b>				
	4	25	LF	1982
	2	25	LF	1982
<b>Ductile Iron Pipe</b>				
	8	350	LF	1978
	6	1830	LF	1978
	4	135	LF	1978
	3	445	LF	1978
<b>Copper Pipe</b>				
	2	280	LF	1978
<b>Steel Pipe</b>				
	10	2400	LF	1999
	6	1760	LF	1995
	6	370	LF	1982

<b>Item</b>	<b>Size (in.)</b>	<b>Quantity</b>	<b>Unit</b>	<b>Approximate Year of Construction</b>
<b>Cast Iron Pipe</b>				
	6	3730	LF	1953
	4	875	LF	1953
<b>Cast Iron Pipe</b>	3	100	LF	1953
	2	160	LF	1953
	2	700	LF	1935
<b>Cement Asbestos Pipe</b>				
	10	4420	LF	1935
	8	1715	LF	1953
	6	1360	LF	1935
<b>Cast Iron Gate Valves</b>				
	10	3	EA	1935
	8	2	EA	1935
	8	1	EA	1953
	8	1	EA	1978
	6	2	EA	1935
	6	8	EA	1953
	6	3	EA	1978
	6	2	EA	1982
	4	2	EA	1953
	4	3	EA	1978
	4	1	EA	1982
	3	1	EA	1953
	3	3	EA	1978
	2.5	1	EA	1935
	2	3	EA	1935
	2	1	EA	1953
	2	1	EA	1982
<b>Curb Stop Valve</b>	2	3	EA	1978

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
<b>Fire Hydrant Assemblies</b>				
	6	8	EA	1994
	6	6	EA	1986
<b>Fire Hydrant Assemblies</b>				
	6	7	EA	1962
	6	9	EA	1953
<b>Post Indicator Valves</b>				
	6	1	EA	1981
	6	1	EA	1960
	6	1	EA	1955

Notes:  
 PVC = Polyvinyl chloride  
 EA = Each  
 LF = Linear Feet

### J5.2.2 Water Distribution System Non-Fixed Equipment and Specialized Tools

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, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

**TABLE 2**  
 Spare Parts  
 Water System Hancock Field (ANGB)

Qty	Item	Make/Model	Description	Remarks
None				

**TABLE 3**  
 Specialized Vehicles and Tools  
 Water Distribution System Hancock Field (ANGB)

Description	Quantity	Location	Maker
None			

### J5.2.3 Water Distribution System Manuals, Drawings, and Records

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

**TABLE 4**  
Manuals, Drawings, and Records  
Water Distribution System Hancock Field (ANGB)

Qty	Item	Description	Remarks
1	Map	Water System Utility Map Electronic Copy	AutoCAD Rel. Ver. 2000

## J5.3 Specific Service Requirements

The service requirements for the Hancock Field (ANGB) water distribution system are as defined in the Section C Description/Specifications/Work Statement.

## J5.4 Current Service Arrangement

The current service provider for water is Onondaga County Water Authority. The base used approximately 2.4 million gallons of water in 1999 with an average use of 196,000 gallons per month. The average fluctuation per billing quarterly cycle is 25,000 gallons. There are no existing commitments or special service agreements with the current service provider.

## J5.5 Secondary Metering

### J5.5.1 Existing Secondary Meters

**Table 5** provides a listing of the existing (at the time of contract award) secondary meters that will be transferred to the Contractor. The Contractor shall provide meter readings for all secondary meters IAW Paragraph C.3 and J5.6 below.

**TABLE 5**  
Existing Secondary Meters  
Water Distribution System Hancock Field (ANGB)

Meter Location	Meter Description (Type)
None	

### J5.5.2 Required New Secondary Meters

The Contractor shall install and calibrate new secondary meters as listed in **Table 6**. New secondary meters shall be installed IAW Paragraph C.13 Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3 and J5.6 below.

**TABLE 6**

New Secondary Meters  
Water Distribution System Hancock Field (ANGB)

Meter Location	Meter Description
None	

## J5.6 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 25<sup>th</sup> of each month for the previous month. Invoices shall be submitted to the person identified at time of contract award.
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 be submitted by the 25<sup>th</sup> of each month for the previous month. Outage reports shall be submitted to the person identified at time of contract award.
3. Meter Reading Report. The monthly meter reading report shall show the current and previous month readings for all identified secondary meters (if any). 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 15<sup>th</sup> of each month for the previous month. Meter reading reports shall be submitted to the person identified at time of contract award.

## J5.7 Water Conservation Projects

IAW Paragraph C.3 Utility Service Requirement, the following projects have been implemented by the Government for conservation purposes. None

## J5.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Hancock Field (ANGB) boundaries.

## J5.9 Off-Installation Sites

No off-installation sites are included in the sale of the Hancock Field (ANGB) water distribution system.

## J5.10 Specific Transition Requirements

IAW Paragraph C.13 Transition Plan, **Table 7** provides a listing of service connections and disconnections required upon transfer.

**TABLE 7**

Service Connections and Disconnections  
Water Distribution System Hancock Field (ANGB)

Location	Description
None	

## J5.11 Government Recognized System Deficiencies

**Table 8** provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the HANCOCK FIELD ANGB water distribution system. If the utility system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewals and Replacements Plan process and will be recovered Schedule L-3. Renewal and replacement projects will be recovered through Sub-CLIN AB.

**TABLE 8**

System Deficiencies  
Water Distribution System Hancock Field (ANGB)

Project Location	Project Description
None	