

Attachment 3

Summary of Changes

(This list may not be all-inclusive. Other changes may have been made to these J attachments)

Attachment J6 Dyess AFB Natural Gas Distribution System

a. J6.2.1 - Replace first paragraph with the following:

The Dyess AFB natural gas 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, regulators, cathodic protection systems, and meters. The actual inventory of items sold will be established 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.

b. J6 Table 1. - Add new entry: Cathodic Protection (sacrificial anode system), Quantity – 200, Unit – ea, year of construction – (blank)

c. J6.3 - Add new bullets as follows:

- Leak detection surveys shall be performed IAW the Texas Railroad Commission (RRC) and 49 CFR 192 standards and frequencies. Dyess Air Force Base is classified as a business district for the purpose 49 CFR 192.
- The Contractor shall provide monthly meter reading reports IAW Paragraph J6.6, and that meet the following requirements:
The Contractor shall keep meter books with monthly consumption and demand (if applicable) for each meter reading. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Contractor shall coordinate with the Government to determine the format for meter books to be delivered.
- The Contractor shall enter into a Memorandum of Understanding with the Dyess Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Dyess AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.

- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Dyess Air Force Base Civil Engineer Control Center for exercises and crisis situations.
- d. J6 Table 6 - add new entries: Line feeding the housing area by Building 11990 - Gas meter and Line feeding the housing by 4th Street and D Avenue - Gas meter
- e. J6.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J6.6 Submittals

The Contractor shall provide the Government submittals for the following:

- f. J6.6 - Replace Item 4. paragraph as follows:

4. System Efficiency Report. The Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. The Contracting Officer will determine the frequency of the report based on Government requirements. System efficiency reports shall be submitted to:

Attachment J7 Goodfellow AFB Electric Distribution System

- a. J7.2.1 - Replace first paragraph as follows:

The Goodfellow AFB electric 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, transformers, circuits, protective devices, utility poles, meters, ductbanks, switches, and other ancillary fixed equipment. The actual inventory of items sold will be established 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.

- b. J7.2.1 - Delete first and fourth bullets

- c. J7.2.1 - Replace second bullet as follows:

- Security, street and parking lot lights.

- d. J7 Table 1. - Rename sub-item under Substations from main to Switching Station.

e. J7.3 - add new bullets as follows:

- The Contractor shall provide monthly meter reading reports IAW Paragraph J7.6, and that meet the following requirements:
The Contractor shall keep meter books with monthly consumption and demand (if applicable) for each meter reading. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Contractor shall coordinate with the Government to determine the format for meter books to be delivered.
- The Contractor shall enter into a Memorandum of Understanding with the Goodfellow Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Goodfellow AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by The Goodfellow Air Force Base Civil Engineer Control Center for exercises and crisis situations.
- For all privatized lighting fixtures, operations and maintenance of lighting fixtures includes the purchase and replacement of the lighting element and the removal and disposal of replaced lighting element.

f. J7.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J7.6 Submittals

The Contractor shall provide the Government submittals for the following:

g. J7.6 - Replace Item 3. and 4. paragraphs as follows:

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 shall be prepared in the format required by Goodfellow AFB. Meter reading reports shall be submitted by the 15th of each month for the previous month. Meter reading reports shall be submitted to:
4. System Efficiency Report. The Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. The Contracting Officer will determine the frequency of the report based on Government requirements. System efficiency reports shall be submitted to:

h. J7.9 - Lake Nasworthy Family Recreation Area is not included in the sale of the electric system. Replace entire section with following:

No off-installation sites are included in the sale of Goodfellow AFB electric distribution system.

Attachment J08 Goodfellow AFB Natural Gas Distribution System

- a. J8.2.1 - Replace bullet with "None".
- b. J8.3 - Replace first bullet with the following:
- Leak detection surveys shall be performed in accordance with the Texas Railroad Commission (RRC) and 29 CFR 192 standards and frequencies. Goodfellow Air Force Base is classified as a business district for the purpose 49 CFR 192.
- c. J8.3 - Add the following bullets:
- The Contractor shall provide monthly meter reading reports IAW Paragraph J08.6, and that meet the following requirements:
The Contractor shall keep meter books with monthly consumption and demand (if applicable) for each meter reading. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Contractor shall coordinate with the Government to determine the format for meter books to be delivered.
 - The Contractor shall enter into a Memorandum of Understanding with the Goodfellow Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Goodfellow AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
 - IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Goodfellow Air Force Base Civil Engineer Control Center for exercises and crisis situations.
- d. J8.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J8.6 Submittals

The Contractor shall provide the Government submittals for the following:

- e. J8.6 - Replace Item 3. and 4. paragraphs as follows:

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 shall be prepared in the format required by Goodfellow AFB. Meter reading reports shall be submitted by the 15th of each month for the previous month. Meter reading reports shall be submitted to:
4. System Efficiency Report. The Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. The Contracting Officer will determine the frequency of the report based on Government requirements. System efficiency reports shall be submitted to:

f. J8 Table 8 - Delete Entry "Water Mains - Install Radio Control Valves".

Attachment J09 Goodfellow AFB Water Distribution System

a. J9.2.1 - Delete third bullet.

b. J9.2.1.1 - Replace second paragraph with following:

The water system is divided into two pressure planes separated by a division valve. A 400,000-gallon elevated storage tank that provides system pressures ranging between 50 and 60-psi services each pressure plane. Tank 1 is located near the Base exchange and commissary and is approximately 120 feet in height. Tank 2 is located near the Fire Training Center (FTC) and is approximately 150 feet in height. Each tank is protected from overflow by hydraulically activated altitude valves.

c. J9 Table 1 - Add new entries as follows:

TABLE 1

Fixed Inventory

Water Distribution System Goodfellow AFB

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
Cathodic Protection System				
Rectifiers (for water towers)		2	Ea	1958
Sacrificial anodes		12	Ea	1958

d. J9 Table 1 - Change entry for Elevated Storage Tanks as follows: Elevated Storage Tanks (Total capacity in gal) - 800,000 gal - 2 each - 1958.

e. J9.3 - Add the following bullets:

- The Contractor shall provide monthly meter reading reports IAW Paragraph J9.6, and that meet the following requirements:
The Contractor shall keep meter books with monthly consumption and demand (if applicable) for each meter reading. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Contractor shall coordinate with the Government to determine the format for meter books to be delivered.
- The Contractor shall own, operate, and maintain all obstruction lighting on water towers.
- The Contractor shall enter into a Memorandum of Understanding with the Goodfellow Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Goodfellow AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.

- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Goodfellow Air Force Base Civil Engineer Control Center for exercises and crisis situations.
- The Contractor shall coordinate any change to the water distribution system that may affect fire protection with the Base Fire Department.
- The Contractor shall coordinate replacement or changes to fire hydrants with the Base Fire Department.
- The Contractor shall perform flow testing and maintenance of fire hydrants and water lines IAW National Fire Protection Association standards. The government reserves the right to review flow test records.
- The Contractor shall operate, maintain and test the Base water system IAW TNRCC regulations. The Contractor shall provide the Contracting Officer with a copy of any and all testing information and reports submitted to the TNRCC
- The Contractor shall perform testing of Base water system in accordance with TNRCC regulations. The Contractor shall provide the Contracting Officer with a copy of the testing information and the reports.
- The Contractor shall own, operate, and maintain the cathodic protection systems for the water storage tanks and water distribution system piping.
- The Contractor shall maintain Air Force marking on water tanks and shall coordinate with the Base Civil Engineer before painting any water tanks.
- IAW the Right of Way, the Contractor shall allow the Government access to operate and maintain any communication equipment, emergency warning equipment, and other Government equipment on water tanks.

f. J9.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J9.6 Submittals

The Contractor shall provide the Government submittals for the following:

g. J9.6 - Replace Item 3. paragraph as follows:

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 shall be prepared in the format required by Goodfellow AFB. Meter reading reports shall be submitted by the 15th of each month for the previous month. Meter reading reports shall be submitted to:

h. J9.9 - Lake Nasworthy Family Recreation Area is not included in the sale of the electric system. Replace entire section with following:

No off-installation sites are included in the sale of Goodfellow AFB electric distribution system.

i. J9 Table 8 - Add new entry as follows: Water Mains - Install Radio Control Valves

Attachment J10 Goodfellow AFB Wastewater Collection System

a. J10.2.1 - Replace first paragraph with following:

The Goodfellow AFB wastewater system consists of all appurtenances physically connected to the collection system from the point of demarcation defined by the Right of Way to point in which the collection system exits the Installation. The system may include, but is not limited to, pipelines, manholes, lift stations, valves, and controls. The actual inventory of items sold will be established 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 collection system. The Government makes no representation that the inventory is accurate. The Contractor shall base the 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.

b. J10.2.1 - Delete fourth bullet.

c. J10.2.1 - Add new bullet as follows:

- Grease Traps

d. J10 Table 1. - Change table entry as follows: Wastewater Lift/Pump Station - 3 each.

e. J10 Table 1. - Delete entry labeled Wastewater Lift Stations

f. J10.3 - add bullets as follows:

- The Contractor shall enter into a Memorandum of Understanding with the Goodfellow Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Goodfellow AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Goodfellow Air Force Base Civil Engineer Control Center for exercises and crisis situations.

g. J10.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J10.6 Submittals

The Contractor shall provide the Government submittals for the following:

h. J10.9 - Lake Nasworthy Family Recreation Area is not included in the sale of the electric system. Replace entire section with following:

No off-installation sites are included in the sale of Goodfellow AFB electric distribution system.

Attachment J11 Lackland AFB Electric Distribution System

a. J11.2.1 - Replace first paragraph as follows:

The Lackland AFB electric 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, transformers, circuits, protective devices, utility poles, ductbanks, meters, switches, lighting on poles (street, parking, security, and ball field), and other ancillary fixed equipment. Lighting on poles includes the footings, pole, fixtures, sensors, and electric cable from point of demarcation defined in the Right of Way. The actual inventory of items sold will be established 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.

b. J11.2.1 - Replace second bullet as follows:

- Security lights that are mounted directly on buildings.

c. J11.2.1 - Add bullet as follows:

- All electrical utilities on Kelly AFB, including the 433rd Military Airlift Wing, the 149th Texas Air National Guard, and the HQ Air Intelligence Agency, which will be realigned under Lackland AFB as a part of base closure.

d. J11.3 - Add bullets as follows:

- The Contractor shall coordinate with the Base Civil Engineer or equivalent agency as designated by the contracting officer any changes to the street lights or security lights that may affect blackout procedures during Government operations.
- The Contractor shall coordinate with the Base Civil Engineer or equivalent agency as designated by the contracting officer any changes to the obstruction lights on power poles that may affect blackout procedures during Government operations.
- The Contractor shall provide monthly meter reading reports IAW Paragraph J11.6, and that meet the following requirements:

The Contractor shall keep meter books with monthly consumption and demand (if applicable) for each meter reading. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Contractor shall coordinate with the Government to determine the format for meter books to be delivered.

- The Contractor shall enter into a Memorandum of Understanding with the Lackland Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Lackland AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Lackland Air Force Base Civil Engineer Control Center or equivalent agency for exercises and crisis situations.
- Contractor shall recalibrate all secondary electric meters once every 5 years.
- IAW Paragraph C.6 and the Right of Way, the Contractor shall coordinate with Air Intelligence Agency (AIA) personnel and obtain clearance with proper escort prior to entering the AIA restricted area (located on the Training Annex).
- For all privatized lighting fixtures, operations and maintenance of lighting fixtures includes the purchase and replacement of the lighting element and the removal and disposal of replaced lighting element.

e. J11.5.2 - Replace first paragraph as follows:

The Contractor shall install and calibrate new secondary meters as listed in **Table 6**. All new secondary meters shall be pulse initiating meters compatible with the Lackland AFB Energy Management Control System (EMCS). 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 J11.6 below.

f. J11.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J11.6 Submittals

The Contractor shall provide the Government submittals for the following:

g. J11.6 - Replace Item 4. paragraph as follows:

4. System Efficiency Report. The Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. The Contracting Officer will determine the frequency of the report based on Government requirements. System efficiency reports shall be submitted to:

h. J11 Table 8 - The following entries have been changed or added.

Project Location	Project Description
MPLS 961033	PCB Transformers have been replaced
MPLS 001001B	Circuit 5, Across from Military Hwy
MPYJ 961039	Replace LTA Switching Station

Attachment J12 Lackland AFB Natural Gas Distribution System

a. J12.2.1 - Replace first paragraph as follows:

The Lackland AFB natural gas 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, regulators, cathodic protection systems, and meters. The actual inventory of items sold will be established 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.

b. J12.2.1 - Replace first bullet as follows:

- All natural gas utilities on Kelly AFB, including the 433rd Military Airlift Wing, the 149th Texas Air National Guard, and the HQ Air Intelligence Agency, which will be realigned under Lackland AFB as a part of base closure.

c. J12.2.1.1 - Replace first paragraph as follows:

Natural gas is supplied to Lackland AFB by City Public Service at a natural gas pressure reduction station (i.e., gate station) located on the south side of the Base near Building 5075. PG&E-Valero also has a gate station that was recently installed as an emergency backup to the City Public Service gate station and is located on the north side of the Base near Building 10175. The PG&E-Valero gate station was installed along with the high-pressure gas line that parallels the northern boundary of the Base and feeds the natural gas turbines at the Lackland Total Energy Plant (TEP) located near Wilford Hall Medical Center. Natural gas is used on the Base to meet space and water heating requirements. There are no natural gas fired air conditioners on Base.

d. J12 Table 1 - Modify as follows: Rectifier Stations - 65 each - 1967 and Sacrificial - 37 each - 1983-1999.

e. J12 Table 2 - Delete the following entries: 47 lg - Pipe, C-900 - 6"; 1 lg - Pipe, C-900 - 10"; 364 - Pipe, SDR-35 - 8"; and 1 - Elbow, M.J. 45 bend - 10".

f. J12.3 - Replace first bullet as follows:

- Leak detection surveys shall be performed IAW the Texas Railroad Commission (RRC) and 49 CFR 192. Lackland Air Force Base is classified as a business district for the purpose 49 CFR 192.

g. J12.3 - Add new bullets as follows:

- The Contractor shall provide monthly meter reading reports IAW Paragraph J12.6, and that meet the following requirements:
The Contractor shall keep meter books with monthly consumption and demand (if applicable) for each meter reading. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Contractor shall coordinate with the Government to determine the format for meter books to be delivered.
- The Contractor shall enter into a Memorandum of Understanding with the Lackland Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Lackland AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Lackland Air Force Base Civil Engineer Control Center or equivalent agency for exercises and crisis situations.
- IAW Paragraph C.6 and the Right of Way, the Contractor shall coordinate with Air Intelligence Agency (AIA) personnel and obtain clearance with proper escort prior to entering the AIA restricted area (located on the Training Annex).
- Contractor shall recalibrate all secondary natural gas meters once every 5 years.

h. J12.4.2 - Required New Secondary Meters - Change number to J12.5.2

i. J12.5.2 - Replace first paragraph as follows:

The Contractor shall install and calibrate new secondary meters as listed in **Table 6**. All new secondary meters shall be pulse initiating meters compatible with the Lackland AFB Energy Management Control System (EMCS). 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 J12.6 below.

j. J12.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J12.6 Submittals

The Contractor shall provide the Government submittals for the following:

k. J12.6 - Replace Item 4. paragraph as follows:

4. System Efficiency Report. The Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. The Contracting Officer will determine the frequency of the report based on Government requirements. System efficiency reports shall be submitted to:

l. J12 Table 8 - Delete the following entry: MPLS 931106 Install Gas Line at WHMC

m. J12 Table 8 - Add the following entry: Existing meters need to be inspected and recalibrated.

Attachment J13 Lackland AFB Water Distribution System

a. J13.2.1 - Add new bullet as follows:

- All water distribution utilities on Kelly AFB, including the 433rd Military Airlift Wing, the 149th Texas Air National Guard, and the HQ Air Intelligence Agency, which will be realigned under Lackland AFB as a part of base closure.

b. J13.2.1.1 - Replace second paragraph as follows:

Well depths range from 1,200 to 1,900 feet. The water obtained from these wells is slightly hard, but is considered to be of good quality. Chlorine and fluoride are added at each well. A 12-inch-diameter main connected to the potable water system at adjacent Kelly AFB provides an emergency potable water supply. An inoperable booster pump station (Building 1507) was designed to provide Lackland AFB emergency water from this line. The pump station will require repair to provide an emergency backup supply from Kelly AFB. The water distribution system is looped to enhance delivery, and it contains four elevated storage tanks with a total storage capacity of 1,950,000 gallons.

c. J13 Table 2 - The following items have been changed or added.

TABLE 2
Fixed Inventory
Water Distribution System Inventory Lackland AFB

Item	Size (in)	Quantity	Unit	Weighted Year of Construction
PVC Pipe	1.25	297	lf	1975
	2	9,652	lf	1979-1999
	4	9,947	lf	1990-1999
	6	42,297	lf	1989-1999
	8	40,269	lf	1985-1999
Asbestos Cement Pipe	3	300	lf	1975
	6	2,214	lf	1967
Water Well	Bldg #	Foot Drilled		
	1015/1013	1,609	ft	1944
	5707/5706	1,911	ft	1944
	3105/3106*	1,755	ft	1952
	4069/4070*	1,952	ft	1952
	103/104	1,544	ft	1955

Item	Size (in)	Quantity	Unit	Weighted Year of Construction
	4379/4380*	1,465	ft	1960
	245/246*	1,622	ft	1978
	9064/9062*	1,800	ft	1992
Chlorination/Fluoridation Facilities		8	ea	1970
Backflow Preventer Yount Circle	6 in	2	ea	
Backflow Preventer Dormitory Chiller Plant	8 in	1	ea	
Backup Generator Facilities for Wells		5	ea	
Booster Pump Station Bldg 1507 (2 inoperable pumps)		1	ea	1955
Cathodic Protection				
Rectifiers (for Water Towers)		6	ea	
Sacrificial Anodes		23	ea	

* Water well has backup generator

d. J13 Table 4 - Delete all entries and replace as follows: No vehicles and specialized tools are included in purchase

e. J13.3 - Replace all bullets as follows:

- The Contractor shall provide daily meter readings for all wells IAW Paragraph J13.6.
- The Contractor shall provide monthly meter reading reports IAW Paragraph J13.6, and that meet the following requirements:
The Contractor shall keep meter books with monthly consumption and demand (if applicable) for each meter reading. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Contractor shall coordinate with the Government to determine the format for meter books to be delivered.
- The Contractor shall enter into a Memorandum of Understanding with the Lackland Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Lackland AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by Lackland Air Force Base Civil Engineer Control Center or equivalent agency for exercises and crisis situations.
- IAW Paragraph C.6 and the Right of Way, the Contractor shall coordinate with Air Intelligence Agency (AIA) personnel and obtain clearance with proper escort prior to entering the AIA restricted area (located on the Training Annex).
- Contractor shall recalibrate all secondary water meters once every 5 years.
- The Contractor shall coordinate any change to the water distribution system that may affect fire protection with the Base Fire Department.
- The Contractor shall coordinate replacement or changes to fire hydrants with the Base Fire Department.

- The Contractor shall perform flow testing and maintenance of fire hydrants and water lines IAW National Fire Protection Association standards. The government reserves the right to review flow test records.
- The Contractor shall maintain backflow prevention devices IAW with Texas Administrative Code (TAC) TAC 290.44 “Backflow Siphonage”.
- The Contractor shall provide chlorination and fluoridation as part of the distribution service. Chlorination and Fluoridation treatment shall be IAW TAC 290.101 through 290.120 “Drinking Water Standards.”
- The Contractor shall operate, maintain and test the Base water system IAW TNRCC regulations. The Contractor shall provide the Contracting Officer with a copy of any and all testing information and reports submitted to the TNRCC.
- The Contractor shall own, maintain, and operate the cathodic protection systems for the water storage tanks and ferrous piping.
- The Contractor shall maintain Air Force marking on water tanks and shall coordinate with the Base Civil Engineer before painting any water tanks.
- IAW the Right of Way, the Contractor shall allow the Government access to operate and maintain any communication equipment, obstruction lights and other Government equipment on water tanks.

f. J13 Table 6 - Add the following entries:

Meter Location	Meter Description
Main Base	Supply Well No. 1
Main Base	Supply Well No. 2
Main Base	Supply Well No. 3
Main Base	Supply Well No. 4
Main Base	Supply Well No. 5
Main Base	Supply Well No. 6
Training Annex	Supply Well No. 1
Training Annex	Supply Well No. 2
2254-Parade Field	BMT-Water meter
2254 Parade Field	BMT-Water meter

g. J13.5.2 - Replace paragraph as follows:

The Contractor shall install and calibrate new secondary meters as listed in **Table 7**. All new secondary meters shall be pulse initiating meters compatible with the Lackland AFB Energy Management Control System (EMCS). 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 J13.6 below.

h. J13.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J13.6 Submittals

The Contractor shall provide the Government submittals for the following:

i. J13.6 - Replace Item 3. paragraph as follows:

3. Well Meter Reading Reports. The daily readings shall be submitted in a format coordinated with the Government. Daily reading shall be submitted by 1300 hrs of the next day. Meter reading shall be submitted to:

j. J13 Table 9 - Delete the following entries: MPLS 961023, Reuse Water System Basewide; MPLS 984003, Reuse Water System for Golf Course; MPLS 961002K, Replace Water Line for 8000 Area.

k. J13 Table 9 - Add the following entry: Replace Booster Pump Station on Emergency supply line

Attachment J14 Lackland AFB Wastewater Collection System

a. J14.2.1 - Replace first sentence of first paragraph as follows:

The Lackland AFB wastewater collection system consists of all appurtenances physically connected to the collection system from the point of demarcation defined by the Right of Way to point in which the collection system connects to the public sanitary collection system.

b. J14.2.1 - Add new bullets as follows:

- Grease Traps
- All wastewater collection utilities on Kelly AFB, including the 433rd Military Airlift Wing, the 149th Texas Air National Guard, and the HQ Air Intelligence Agency, which will be realigned under Lackland AFB as a part of base closure.

c. J14 Table 1 - Replace quantity entries for the following: PVC Pipe (Force Main) – 4” – 1,178 lf; Manholes – 883 ea; Lift Stations – 13 ea.

d. J14 Table 1 - Add new entries as follows: Wastewater Metering Station - 4 each and Cathodic Protection (sacrificial anode systems) - 6 each - 1970.

e. J14.3 - Add new bullets as follows:

- The Contractor shall provide monthly meter reading reports IAW Paragraph J14.6, and that meet the following requirements:
The Contractor shall keep meter books with monthly flow for each meter. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly flow, points of contact for meter questions, and procedure for converting meter reads into flow (including multipliers). The Contractor shall coordinate with the Government to determine the format for meter books to be delivered.
- The Contractor shall maintain and operate the cathodic protection system for the wastewater system.

- The Contractor shall enter into a Memorandum of Understanding with the Lackland Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Lackland AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Lackland Air Force Base Civil Engineer Control Center or equivalent agency for exercises and crisis situations.
- IAW Paragraph C.6 and the Right of Way, the Contractor shall coordinate with Air Intelligence Agency (AIA) personnel and obtain clearance with proper escort prior to entering the AIA restricted area (located on the Training Annex).
- Contractor shall recalibrate all secondary wastewater meters once every 5 years.

f. J14.5.2 - Replace paragraph as follows:

The Contractor shall install and calibrate new secondary meters as listed in **Table 6**. All new secondary meters shall be compatible with the Lackland AFB Energy Management Control System (EMCS). 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 J14.6 below.

g. J14.6 - Replace first sentence as follows: The Contractor shall provide the Government submittals for the following:

Attachment J15 Laughlin AFB Electric Distribution System

a. J15.2.1 - Replace first paragraph as follows:

The Laughlin AFB electric 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, transformers, circuits, protective devices, utility poles, ductbanks, meters, switches, lighting on poles (street, parking, security, and ball field), and other ancillary fixed equipment. Lighting on poles includes the footings, pole, fixtures, sensors, and electric cable from point of demarcation defined in the Right of Way. The actual inventory of items sold will be established 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.

b. J15.2.1 - Replace second bullet as follows:

- Security lights that are mounted directly on buildings.

c. J15.2.1 - Delete the following bullets:

- Ball field, track, and bike path lighting.
- Cathodic protection.
- Fuel cell generation system at base clinic.

d. J15 Table 1 - Add the following items:

Item	Size	Quantity	Unit	Approximate Year of Construction
Parking and other street lights				
Building 25 (Metal pole)	Parking	1/1		
Building 253 (Metal pole)	Parking	4/4		
Building 68 (Metal pole)	Parking	4/8		
Building 100 (Metal pole)	Parking	15/15		
Building 328 (Metal pole)	Parking	9/18		
Building 320 (Metal pole)	Parking	6/12		
Buildings 255/256 (Metal pole)	Parking	11/22		
Building 462 (Metal pole)	Parking	3/6		
Building 462 (Metal pole)	Parking	5/10		
Building 352 (Metal pole)	Parking	2/4		
Building 449/450 (Metal pole)	Parking	10/10		
Building 475 (Metal pole)	Parking	5/10		
Building 468 (Metal pole)	Parking	1/1		
Building 9 (metal pole)	Parking	8/10		
Building 7 (Metal pole)	Parking	2/4		
Building 246 (Metal pole)	Parking	8/8		
Building 140 (Metal pole)	Parking	4/8		
Fuels (Metal pole)	Parking	8/8		
DRMO (Metal pole)	Parking	6/12		
Building 2027 (Metal pole)	Parking	5/5		
Building 1000(Metal pole)	Parking	4/8		
Horse Stables (Wood pole)	Parking	7/7		
Building 358 (Metal pole)	Parking	1/2		
Building 2065 (Wood pole)	Parking	8/20		
Building 375 (Metal pole)	Parking	10/10		
Building 2007 (Metal pole)	Parking	8/63		
Building 485 (Wood pole)	Parking	8/34		
Building 399 (Metal pole)	Parking	15/15		
Tennis Court (Metal pole)	Parking	14/30		
Building 284 (Wood pole)	Parking	8/36		
Running Track (Metal pole)	Parking	8/22		
Building Trail (Metal pole)	Parking	72/72		
Apron Security	Apron	25/100		

e. J15.3 - Add new bullets as follows:

- The Contractor shall coordinate with the Base Civil Engineer, or equivalent agency as designated by the contracting officer, any changes to the street lights or security lights that may affect blackout procedures during Government operations (see Paragraph C.9.8).
- The Contractor shall coordinate with the Base Civil Engineer, or equivalent agency as designated by the contracting officer, any changes to the obstruction lights on power poles that may affect blackout procedures during Government operations.

- The Contractor shall provide monthly meter reading reports IAW Paragraph J15.6, and that meet the following requirements:
The Contractor shall keep meter books with monthly consumption and demand (if applicable) for each meter reading. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Contractor shall coordinate with the Government to determine the format for the meter books to be delivered.
- The Contractor shall operate and maintain the base switching station, including all electrical and HVAC equipment within the station, and all other related structures including but not limited to inside ground areas, transformer pads and protective fencing. Grounds and structures areas shall be maintained IAW the Right of Way.
- The Contractor shall enter into a Memorandum of Understanding with the Laughlin Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Laughlin AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- IAW Paragraph C.9.8, Exercises and Crisis Situations Requiring Utility Support, the Contractor shall provide support as directed by the Laughlin Air Force Base Civil Engineer Control Center for exercises and crisis situations.
- For all privatized lighting fixtures, operations and maintenance of lighting fixtures includes the purchase and replacement of the lighting element and the removal and disposal of replaced lighting element.

f. J15 Table 6 - Modify as follows:

Building No.	Meter Location	Meter Description
449/450	UOQ Dorms	Electric meter
470	Lodging	Electric meter
390	Youth Center	Electric meter
820	RAPCON	Electric meter
130/136/2109	Transportation Yard/Dispatch	Electric meter
209	T-38 Wash Rack	Electric meter
506	T-37 Wash Rack	Electric meter

g. J15.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J15.6 Submittals

The Contractor shall provide the Government submittals for the following:

h. J15.6 - Fill out name address and phone number for Item 1, Item 2, Item 3 and Item 4 as follows:

Name: 47th CES/CEOE

Address: 251 Fourth Street, Laughlin AFB, TX 78843

Phone number: (830) 298-5960

i. J15.6 - Replace Item 3 and Item 4 paragraphs as follows:

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 first of each month for the previous month.

Meter reading reports shall be submitted to:

4. System Efficiency Report. The Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. The Contracting Officer will determine the frequency of the report based on Government requirements. System efficiency reports shall be submitted to:

j. J15 Table 8 - Modify as follows:

TABLE 8

System Deficiencies

Electric Distribution System Laughlin AFB

Project Location	Project Description
Remove Primary Overhead Lines	Remove overhead lines that run through the fuels yard and replace with underground lines connected to a ground-mounted transformer.
Remove Primary Overhead Lines	Remove overhead lines in the industrial areas (1 st and 2nd st.) and replace with underground lines connected to a ground-mounted transformer.
Provide 7200/12470 volt Main Base Switching Station	Looped underground distribution system for the airfield facilities currently with 2400/4160 volt system. Main Base Switching Station has not been serviced for the past 10 years. The Oil Current Reclosers have not been properly tested/calibrated. Provide loop system from MFH Area I to the RAPCON facility.

Attachment J16 Laughlin AFB Natural Gas Distribution System

a. J16.3 - Replace first bullet as follows:

- Leak detection surveys shall be performed IAW the Texas Railroad Commission (RRC) and 49 CFR 192 standards and frequencies. Laughlin Air Force Base is classified as a business district for the purpose 49 CFR 192.

b. J16.3 - Add bullets as follows:

- The Contractor shall provide monthly meter reading reports IAW Paragraph J16.6, and that meet the following requirements:
The Contractor shall keep meter books with monthly consumption and demand (if applicable) for each meter reading. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Contractor shall coordinate with the Government to determine the format for the meter books to be delivered.
- The Contractor shall enter into a Memorandum of Understanding with the Laughlin Air Force Base Fire Department for fire protection of all facilities included in the purchase of the

utility. The Contractor shall abide by Laughlin AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.

- IAW Paragraph C.9.8, Exercises and Crisis Situations Requiring Utility Support, the Contractor shall provide support as directed by the Laughlin Air Force Base Civil Engineer Control Center for exercises and crisis situations.

c. J16 Table 6 - Modify as follows:

TABLE 6

New Secondary Meters

Natural Gas Distribution System, Laughlin AFB

Meter Location	Meter Description
MFH – Enlisted Housing Area (1 meter for area)	Gas Meter
MFH – Officer Housing Area (1 meter for area)	Gas Meter
All Trailer Park Units (54 units)	Gas Meter
Bldg 511 – Outdoor Rec.	Gas Meter
Bldg 235 – Fiesta Center	Gas Meter
Bldg 390 – Youth Center	Gas Meter
Bldg 100 – Civil Engineer	Gas Meter
Bldg 131 – Vehicle Maintenance - #2	Gas Meter
Bldg 211 – Avionics/PMEL	Gas Meter
Bldg 320 – OTC	Gas Meter
Bldg 470 – Billeting	Gas Meter
Bldg 449/450 – UOQ Dorms	Gas Meter
Bldg 255/256 – UEQ Dorms	Gas Meter

d. J16.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J16.6 Submittals

The Contractor shall provide the Government submittals for the following:

e. J16.6 - Fill out name address and phone number for Item 1, Item 2, Item 3 and Item 4 as follows:

Name: 47th CES/CEOE

Address: 251 Fourth Street, Laughlin AFB, TX 78843

Phone number: (830) 298-5960

f. J16.6 - Replace Item 3 and Item 4 paragraphs as follows:

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 first of each month for the previous month. Meter reading reports shall be submitted to:

4. System Efficiency Report. The Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. The Contracting Officer

will determine the frequency of the report based on Government requirements. System efficiency reports shall be submitted to:

Attachment J17 Laughlin AFB Water Distribution System

a. J17.2.1.1 - Replace second paragraph as follows:

There are no active wells on the Installation. A pump station that is occupied by the City of Del Rio and the federal government pumps water from San Felipe Springs. This pump station pumps water 6.5 miles (approximately 34,300 feet) through a 16-inch transmission main to a new 1,000,000-gallon ground storage tank located on-Base on Arkansas Avenue. A pump station located next to the 1,000,000-gallon storage tank pumps water into two elevated storage tanks, with individual capacities of 100,000 and 300,000 gallons.

b. J17 Table 1 - Add the following items:

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
<u>Cathodic Protection for 1M tank and 2 Water Towers</u>		3	ea	1992/2000
<u>Generators</u>	600 kw	1	ea	1992
<u>San Felipe</u>				
Pumps	60/75 HP	3	ea	1988/1992
Pipe	16"	34,300 approx	lf	1988
<u>Above Ground Storage Tanks</u>	1,000,000 gal			1992
Pumps	150 HP	3	ea	1992

c. J17.3 - Add bullets as follows:

- The Contractor shall provide monthly meter reading reports IAW Paragraph J17.6, and that meet the following requirements:
The Contractor shall keep meter books with monthly consumption and demand (if applicable) for each meter reading. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Contractor shall coordinate with the Government to determine the format for the meter books to be delivered.
- The Contractor shall enter into a Memorandum of Understanding with the Laughlin Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Laughlin AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- IAW Paragraph C.9.8, Exercises and Crisis Situations Requiring Utility Support, the Contractor shall provide support as directed by the Laughlin Air Force Base Civil Engineer Control Center for exercises and crisis situations.
- The Contractor shall coordinate any change to the water distribution system that may affect fire protection with the Base Fire Department.

- The Contractor shall coordinate replacement or changes to fire hydrants with the Base Fire Department.
- The Contractor shall perform flow testing and maintenance of fire hydrants and water lines in accordance with National Fire Protection Agency standards. The government reserves the right to review flow test records.
- Daily readings of all San Felipe Spring meters is required.
- The Contractor shall own, maintain, and operate the cathodic protection system for the water system. The Contractor shall provide cathodic protection testing reports IAW Paragraph J17.6.
- The Contractor shall provide chlorination as part of the distribution service. Chlorination treatment shall be IAW Texas Administrative Code (TAC) 290.101 through 290.120, “Drinking Water Standards.”
- The Contractor shall operate, maintain and test the Base water system IAW TNRCC regulations. The Contractor shall provide the Contracting Officer with any and all information and reports submitted to the TNRCC.
- The Contractor shall maintain Air Force marking on water tanks and shall coordinate with the Base Civil Engineer before painting any water tanks.
- IAW the Right of Way, the Contractor shall allow the Government access to operate and maintain any communication equipment, obstruction lights, and other Government equipment on water tanks.
- The Contractor shall maintain the pumps and motors at the San Felipe water plant. To include an estimated 34,300 lf of 16 inch pipe line from the Springs to LAFB and all valves and underground water valve/bypass vaults at the Springs and on the 16 inch line. The outside emergency pump motor and ancillary fixed equipment is also included. The electrical gear starts at the weather head to the disconnect and any electrical to run the emergency pump.
- All electrical equipment and other ancillary fixed equipment at San Felipe pump station from the outside weather head to the motor and to include the motor shall be the responsibility of the contractor. This also includes the Johnson controls for the motors and any equipment required to support the control.
- Facilities 2027 and 2028, including the structure, equipment, 600 kw standby generator unit and fuel tank, ancillary fixed equipment, and all utilities up to the secondary terminal spade of the Pad mount transformer is included in the purchase of the utility. The contractor shall own, maintain, and operate these facilities.
- The Contractor shall own, maintain, and operate all electrical/electronic controls at the water plant and water tanks, including mechanical level indicators. The buried fiber optics cable and any control means that provide the current to control the water pumps from the control panel to the water pumps is included. This requirement is for both the base water system and San Felipe Springs pump station.

d. J17.4 - Replace first paragraph as follows:

Currently, the City of Del Rio and the federal government occupy the San Felipe Springs pump station. The government has their equipment installed at the station. The station is city owned. This station provides water to Laughlin AFB. Laughlin AFB currently has a peak water demand of 65 million gallons (MG) per month. This peak normally occurs in the summer. Base average

water usage during the summer varies from 1.5 to 2.0 mgd. Winter average water usage varies from 0.48 to 0.56 mgd.

e. J17 Table 6 - Modify as follows:

TABLE 6

New Secondary Meters

Water Distribution System, Laughlin AFB

Meter Location	Meter Description
Bldg 115	Water meter
All Trailer Park Units (54 Units)	Water meter
Bldg 511 – Outdoor Rec.	Water meter
Bldg 470 – Billeting	Water meter
TLF Area (1 meter)	Water meter
Credit Union	Water meter
Bldg 390 – Youth Center	Water meter
Bldg 357 – Bowling Alley	Water meter
Bldg 235 – Fiesta Center	Water meter
Bldg 209 – T-38 Wash Rack	Water meter
Bldg 506 – T-37 Wash Rack	Water meter

f. J17.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J17.6 Submittals

The Contractor shall provide the Government submittals for the following:

g. J17.6 - Fill out name address and phone number for Item 1, Item 2, and Item 3 as follows:

Name: 47th CES/CEOE

Address: 251 Fourth Street, Laughlin AFB, TX 78843

Phone number: (830) 298-5960

h. J17.6 - Replace Item 3 paragraph as follows:

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 first of each month for the previous month. Meter reading reports shall be submitted to:

i. J17.6 - Add Item 4 as follows:

4) Cathodic Protection Report. The Contractor's cathodic protection report shall be submitted in a format coordinated with the Government using the latest version of Microsoft Word or Excel. Testing of the cathodic protection system shall be reported monthly or yearly as required by HQ AETC. Reports shall be submitted by the 25th of the month for the previous month or year as requested. Reports shall be submitted to:

Name: 47th CES/CEOE

Address: 251 Fourth Street, Laughlin AFB, TX 78843

Phone number: (830) 298-5960

j. J17 Table 8 - Replace entry with following: Work Order K1300 - Presently the Base Clinic is deficient in backflow preventers on the main water supply system. In the 1998 5year water system cross-connection survey, 97 locations assigned as hazardous ranked by base BEE did not have backflow preventers (BFPs) installed.

Attachment J18 Laughlin AFB Wastewater Collection System

a. J18.2.1 - Replace first sentence of first paragraph as follows:

The Laughlin AFB wastewater system consists of all appurtenances physically connected to the collection system from the point of demarcation defined by the Right of Way to point in which the collection system discharges to a public waterway.

b. J18.2.1 - Add bullets as follows:

- Grease Traps
- Building 1004 Wastewater Laboratory and Laboratory Equipment.

c. J18 Table 1 - Modify last entry (Wastewater Treatment Facility) as follows: Wastewater Treatment and Disposal plant, Bldg. 10201

d. J18 Table 1 - Add the following items: Pumps & Communitor - 5HP - 1 each - 1994 and Sewage Lift Station - 6 each.

e. J18.3 - Add bullets as follows:

- The sewer inlet before the lagoons and lagoons shall be maintained. To include the communitor motor/pump assembly, ancillary fixed equipment, and the electrical system from the disconnect box (including the disconnect box) to the equipment.
- The contractor shall maintain all lift stations and to include the electrical system from the disconnect box (including the disconnect box) to the Government equipment.
- The Contractor shall enter into a Memorandum of Understanding with the Laughlin Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Laughlin AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- IAW Paragraph C.9.8, Exercises and Crisis Situations Requiring Utility Support, the Contractor shall provide support as directed by the Laughlin Air Force Base Civil Engineer Control Center for exercises and crisis situations.

f. J18.6 - Replace first sentence as follows: The Contractor shall provide the Government submittals for the following:

g. J18.6 - Fill out name address and phone number for Item 1 and Item 2 as follows:

Name: 47th CES/CEOE

Address: 251 Fourth Street, Laughlin AFB, TX 78843

Phone number: (830) 298-5960

h. J18.6 - Add Item 3 as follows:

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 first of each month for the previous month. Meter reading reports shall be submitted to:

Name: 47th CES/CEOE

Address: 251 Fourth Street, Laughlin AFB, TX 78843

Phone number: (830) 298-5960

i. J18 Table 6 - Replace entry as follows: The Government has identified that the sewer piping on the Main Base, Excluding Military Housing Areas, needs repairs.

Attachment J19 Randolph AFB Electric Distribution System

a. J19.2.1 - Replace first paragraph as follows:

The Randolph AFB electric 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, transformers, circuits, protective devices, utility poles, ductbanks, meters, switches, traffic lighting systems, lighting on poles (street, parking, security, and ball field), and other ancillary fixed equipment. Lightening on poles includes the footings, pole, fixtures, sensors, and electric cable from point of demarcation defined in the Right of Way. The actual inventory of items sold will be established 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.

b. J19.2.1 - Add bullet as follows:

- Security lights that are mounted directly on buildings.

c. J19 Table 1 - Add entries as follows:

Item	Size	Quantity	Unit	Approximate Year of Construction
Lighting	Type	No.		
	Street	290	Ea	1975
	Pedestrian Crossing	4	Ea	1975
	Parking, Recreation and Misc. area lights	205	Ea	1975
Traffic Control Light System		1	Ea	1975
Meters		241	Ea	

d. J19.3 - Add bullets as follows:

- The Contractor shall coordinate with the Base Civil Engineer any changes to the street lights or security lights that may affect blackout procedures during Government operations.
- The Contractor shall enter into a Memorandum of Understanding with the Randolph Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Randolph AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Randolph Air Force Base Civil Engineer Control Center for exercises and crisis situations.
- The Contractor shall provide monthly meter reading reports IAW Paragraph J19.6, and that meet the following requirements:
The Contractor shall keep meter books with monthly consumption and demand (if applicable) for each meter reading. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Contractor shall coordinate with the Government to determine the format for meter books to be delivered.
- For all privatized lighting fixtures, operations and maintenance of lighting fixtures includes the purchase and replacement of the lighting element and the removal and disposal of replaced lighting element.

e. J19 Table 6 - Add entry as follows: Various Circuits for Street, Parking, Ramp and Recreation Areas fed from a transformer.

f. J19.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J19.6 Submittals

The Contractor shall provide the Government submittals for the following:

g. J19.6 - Fill out name for Item 2 and Item 3 as follows: *Name: Randolph Energy Manager*

h. J19.6 - Replace Item 4 as follows:

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. The Contracting Officer will determine the frequency of the report based on Government requirements. System efficiency reports shall be submitted to:

Name: Randolph Energy Manager

Address:

Phone number:

i. J19.9 - Replace all paragraphs as follows: No off-installation sites are included in the sale of the Randolph AFB electrical distribution system.

j. J19 Table 8 - Add the following items: THMX961016 - Repair/Replace Main Switching Station, B/1027 A/B and THMX961017 - Repair Switching Station East and West

Attachment J20 Randolph AFB Natural Gas Distribution System

a. J20 Table 1 - Add unit of measure "lf" for 10" and 12" PE Gas Pipe.

b. J20 Table 4 - Delete Manuals: Peabody Barnes Pump and Hydromatic Pump

c. J20.3 - Replace first bullet as follows:

- Leak detection surveys shall be performed in accordance with the Texas Railroad Commission (RRC) and 49 CFR 192 standards and frequencies. Randolph Air Force Base is classified as a business district for the purpose 49 CFR 192.

d. J20.3 - Add bullets as follows:

- The Contractor shall provide monthly meter reading reports IAW Paragraph J20.6, and that meet the following requirements:
The Contractor shall keep meter books with monthly consumption and demand (if applicable) for each meter reading. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Contractor shall coordinate with the Government to determine the format for meter books to be delivered.
- The Contractor shall enter into a Memorandum of Understanding with the Randolph Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Randolph AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.

- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Randolph Air Force Base Civil Engineer Control Center for exercises and crisis situations.

e. J20.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J20.6 Submittals

The Contractor shall provide the Government submittals for the following:

f. J20.6 - Fill out name for Item 2, Item 3 and Item 4 as follows: *Name: Randolph Energy Manager*

g. J20.6 - Replace Item 4 paragraph as follows:

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. The Contracting Officer will determine the frequency of the report based on Government requirements. System efficiency reports shall be submitted to:

Attachment J21 Randolph AFB Water Distribution System

a. J21 Table 2 - Replace quantity entries for following: 2" PVC – 8,800 lf; 4" ACP – 0 lf; 6" Gate Valves – 103 ea; Fire Hydrants – 254 ea.

b. J21 Table 2 - Change Item name from Chlorination Facilities to Chlorination/Flouridation Facilities.

c. J21 Table 2 - Add items as follows: Backup Generator - 1 each and Cathodic Protection System for Water Towers - 2 each - 1935.

d. J21.3 - Replace all bullets as follows:

- The Contractor shall provide daily meter readings for all wells IAW Paragraph J21.6.
- The Contractor shall provide monthly meter reading reports IAW Paragraph J21.6, and that meet the following requirements:
The Contractor shall keep meter books with monthly consumption and demand (if applicable) for each meter reading. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Contractor shall coordinate with the Government to determine the format for meter books to be delivered.
- The Contractor shall own and maintain all obstruction lighting on water towers. The government shall retain ownership of airfield beacon lighting. The government will maintain all beacon lighting and associated equipment. IAW the Right of Way, the Contractor shall allow the Government access to all beacon lighting mounted on buildings or water towers.

- The Contractor shall enter into a Memorandum of Understanding with the Randolph Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Randolph AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by Randolph Air Force Base Civil Engineer Control Center for exercises and crisis situations.
- The Contractor shall coordinate any change to the water distribution system that may affect fire protection with the Base Fire Department.
- The Contractor shall coordinate replacement or changes to fire hydrants with the Base Fire Department.
- The Contractor shall perform flow testing and maintenance of fire hydrants and water lines in accordance with National Fire Protection Association standards.
- The Contractor shall provide chlorination and fluoridation as part of the distribution service. Chlorination and fluoridation treatment shall be IAW with Texas Administrative Code, TAC 290.101 through 290.120 (Drinking Water Standards)
- The Contractor shall operate, maintain and test the Base water system in accordance with TNRCC regulations. The Contractor shall provide the Contracting Officer with a copy of any and all testing information and reports submitted to the TNRCC.
- The Contractor shall maintain and operate the cathodic protection systems for the water storage tanks.
- The Contractor shall maintain Air Force marking on water tanks and shall coordinate with the Base Civil Engineer before painting any water tanks.
- IAW the Right of Way, the Contractor shall allow the Government access to operate and maintain any communication equipment and other Government equipment on water tanks.
- Utility Resources Coordinator – Monthly voucher and/or billing statement with meter consumption and charges of each meter are needed to certify payment to DFAS-SA. A listing of all meters and building numbers is needed to consolidate consumption and charges for monthly consolidating reports to each customer. The voucher/bill should reflect meter reads, service dates, calculation of payment, multiplier, demand (kW), peak charges and any special/specific charges accrued for the month.

e. J21 Table 6 - Add the following item: Building 1225 - High School - Meter No. 787468.

f. J21 Table 7 - Add the following item and note: Military Family Housing (MFH) and *Note: MFH shall be master metered per housing area.*

g. J21.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J21.6 Submittals

The Contractor shall provide the Government submittals for the following:

h. J21.6 - Fill out name for Item 2 and Item 3 as follows: *Name: Randolph Energy Manager*

i. J21.6 - Add Item 4 as follows:

4. Well Meter Reading Reports. The daily readings shall be submitted in a format coordinated with the Government using the latest version of Microsoft Word or Excel. Daily reading shall be submitted by 1300 hrs of the next day. Meter reading shall be submitted to:

Name: Randolph Energy Manager

Address:

Phone number:

j. J21.9 - Replace all paragraphs as follows: No off-installation sites are included in the sale of the Randolph AFB electrical distribution system.

k. J21 Table 9 - Add item as follows: Rebuild Well No: 1

Attachment J22 Randolph AFB Wastewater Collection System

a. J22.2.1 - Replace first paragraph as follows:

The Randolph AFB wastewater collection system consists of all appurtenances physically connected to the collection system from the point of demarcation defined by the Right of Way to point in which the collection system connects to the public sanitary collection system. The system may include, but is not limited to, pipelines, manholes, lift stations, valves, controls, and meters. The actual inventory of items sold will be established 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 collection 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.

b. J22.2.1 - Add bullet as follows:

- Grease Traps

c. J22 Table 1 - Change quantity as follows: Wastewater Lift/Pump Station - 5 each - 1995.

d. J22 Table 1 - Add item as follows: Golf Course Lift Station Grinding Pumps - 2 each.

e. J22.3 - Add bullets as follows:

- The Contractor shall enter into a Memorandum of Understanding with the Randolph Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Randolph AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of

the utility. The Contractor further agrees to permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.

- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Randolph Air Force Base Civil Engineer Control Center for exercises and crisis situations.

f. J22.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J22.6 Submittals

The Contractor shall provide the Government submittals for the following:

g. J22.6 - Fill out name for Item 2 as follows: *Name: Randolph Energy Manager*

h. J22.6 - Delete Item 3.

Attachment J23 Sheppard AFB Electric Distribution System

a. J23.2.1 - Replace first paragraph as follows:

The Sheppard AFB electric 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, transformers, circuits, protective devices, utility poles, ductbanks, switches, traffic signal systems, lighting on poles (street, parking, security, and ball field), and other ancillary fixed equipment. Lighting on poles includes the footings, pole, fixtures, sensors, and electric cable from point of demarcation defined in the Right of Way. The actual inventory of items sold will be established 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.

b. J23.2.1 - Replace first bullet as follows:

- Security lights that are mounted directly on buildings.

c. J23 Table 1 - Change Traffic Lights item to Traffic Signals and Traffic Light Intersection item to Traffic Signal Systems as follows:

Traffic Signals

Traffic Signal Systems

4

EA

1975

d. J23.3 - Add bullets as follows:

- In accordance with paragraph C.5.1.3, *Contractor Facilities*, all new and renewal electric utility services shall be placed underground unless otherwise agreed to by both parties.
- The Contractor shall coordinate with the Base Civil Engineer or equivalent agency as designated by the contracting officer any changes to the street lights or security lights that may affect blackout procedures during Government operations.
- The Contractor shall enter into a Memorandum of Understanding with the Sheppard Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Sheppard AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Sheppard Air Force Base Civil Engineer Control Center or equivalent agency for exercises and crisis situations.
- The Contractor shall provide monthly meter reading reports IAW Paragraph J23.6, and that meet the following requirements:
The Contractor shall keep a meter books with monthly consumption and demand (if applicable) for each meter readings. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Government may provide a format in a Microsoft Excel files to be used for meter readings.
- For all privatized lighting fixtures, operations and maintenance of lighting fixtures includes the purchase and replacement of the lighting element and the removal and disposal of replaced lighting element.

e. J23.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J23.6 Submittals

The Contractor shall provide the Government submittals for the following:

f. J23.6 - Fill out name, address and phone number for Item 1 as follows:

Name: 82th CES/CERS

Address: 231 9th Street, Sheppard AFB TX 76311

Phone number: (940) 676-6287

g. J23.6 - Fill out name, address and phone number for Item 2, Item 3 and Item 4 as follows:

Name: 82th CES/CERS

Address: 231 9th Street, Sheppard AFB TX 76311

Phone number: (940) 676-5689

h. J23.6 - Replace Item 4 paragraph as follows:

4. System Efficiency Report. The Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. The Contracting Officer will determine the frequency of the report based on Government requirements. System efficiency reports shall be submitted to:

i. J23.9 - Replace all paragraphs as follows: No off-installation sites are included in the sale of the Sheppard AFB electrical distribution system.

Attachment J24 Sheppard AFB Natural Gas Distribution System

a. J24.2.1 - Replace first paragraph as follows:

The Sheppard AFB natural gas 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, regulators, and meters. The actual inventory of items sold will be established 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.

b. J24.3 - Replace first bullet as follows:

- Leak detection surveys shall be performed IAW the Texas Railroad Commission (RRC) and 49 CFR 192 standards and frequencies. Sheppard Air Force Base is classified as a business district for the purpose 49 CFR 192.

c. J24.3 - Add bullets as follows:

- The Contractor shall provide monthly meter reading reports IAW Paragraph J24.6, and that meet the following requirements:
The Contractor shall keep meter books with monthly consumption and demand (if applicable) for each meter reading. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Contractor shall coordinate with the Government to determine the format for meter books to be delivered.
- The contractor shall own, operate and maintain the natural gas cathodic protection system.

- The Contractor shall enter into a Memorandum of Understanding with the Sheppard Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Sheppard AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Sheppard Air Force Base Civil Engineer Control Center or equivalent agency for exercises and crisis situations.

d. J24.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J24.6 Submittals

The Contractor shall provide the Government submittals for the following:

e. J24.6 - Fill out name, address and phone number for Item 1 as follows:

Name: 82th CES/CERS

Address: 231 9th Street, Sheppard AFB TX 76311

Phone number: (940) 676-6287

f. J24.6 - Fill out name, address and phone number for Item 2, Item 3 and Item 4 as follows:

Name: 82th CES/CERS

Address: 231 9th Street, Sheppard AFB TX 76311

Phone number: (940) 676-5689

g. J24.6 - Replace Item 4 paragraph as follows:

4. System Efficiency Report. The Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. The Contracting Officer will determine the frequency of the report based on Government requirements. System efficiency reports shall be submitted to:

h. J24.6 - Add Item 5 as follows:

5. Cathodic Protection Testing Report. The Contractor shall submit a cathodic protection testing report in a format proposed by the Contractor and accepted by the Contracting Officer. The Contracting Officer will determine the frequency of the report based on Government requirements. Cathodic Protection Testing reports shall be submitted to:

Name: 82th CES/CEOE

Address: 231 9th Street, Sheppard AFB TX 76311

Phone number:(940) 676-5689

Attachment J25 Sheppard AFB Water Distribution System

a. J25 Table 1 - Add items as follows:

Item	Size (in)	Quantity	Unit	Weighted Year of Construction
Pumps		4	ea	
Emergency Diesel Pumps		2	ea	
Engine Data Detroit Model 10647000 – 1500 rpm, Diesel powered				
Alternator Data – Peerless Model 6AD16 1/2				

b. Table 2 - Delete last three entries: Emergency Generator, Engine Data, and Alternator Data.

c. J25.3 - Add bullets as follows:

- The Contractor shall provide monthly meter reading reports IAW Paragraph J25.6, and that meet the following requirements:
The Contractor shall keep meter books with monthly consumption and demand (if applicable) for each meter reading. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Contractor shall coordinate with the Government to determine the format for meter books to be delivered.
- IAW the Right of Way, the Contractor shall allow the Government access to operate and maintain any communication equipment, obstruction lights, beacon lighting, emergency warning equipment, public address equipment, and other Government equipment on water tanks.
- The Contractor shall enter into a Memorandum of Understanding with the Sheppard Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Sheppard AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Sheppard Air Force Base Civil Engineer Control Center or equivalent agency for exercises and crisis situations.
- The Contractor shall coordinate any change to the water distribution system that may affect fire protection with the Base Fire Department.
- The Contractor shall coordinate replacement or changes to fire hydrants with the Base Fire Department.
- The Contractor shall perform flow testing and maintenance of fire hydrants and water lines IAW National Fire Protection Association standards. The government reserves the right to review flow test records.

- The Contractor shall operate, maintain and test the Base water system IAW TNRCC regulations. The Contractor shall provide the Contracting Officer with a copy of any and all testing information and reports submitted to the TNRCC.
- The Contractor shall own, maintain and operate the cathodic protection systems for the water storage tanks.
- The Contractor shall maintain Air Force marking on water tanks and shall coordinate with the Base Civil Engineer before any painting of water tanks.

d. J25.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J25.6 Submittals

The Contractor shall provide the Government submittals for the following:

e. J25.6 - Fill out name, address and phone number for Item 1 as follows:

Name: 82th CES/CERS

Address: 231 9th Street, Sheppard AFB TX 76311

Phone number: (940) 676-6287

f. J25.6 - Fill out name, address and phone number for Item 2, Item 3 and Item 4 as follows:

Name: 82th CES/CERS

Address: 231 9th Street, Sheppard AFB TX 76311

Phone number: (940) 676-5689

g. J25.6 - Replace Item 4 paragraph as follows:

4. Cathodic Protection Testing Report. The Contractor shall submit a cathodic protection testing report in a format proposed by the Contractor and accepted by the Contracting Officer. The Contracting Officer will determine the frequency of the report based on Government requirements. Cathodic Protection Testing reports shall be submitted to:

Attachment J26 Sheppard AFB Wastewater Collection System

a. J26.2.1 - Replace first paragraph as follows:

The Sheppard AFB wastewater collection system consists of all appurtenances physically connected to the collection system from the point of demarcation defined by the Right of Way to point in which the collection system connects to the public sanitary collection system. The system may include, but is not limited to, pipelines, manholes, lift stations, valves, controls, and meters. The actual inventory of items sold will be established 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 collection 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.

b. J26.2.1 - Add bullet as follows:

- Grease Traps

c. J26 Table 1 - Modify/add Items as follows:

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
Wastewater Lift/Pump Station		2	ea	1960
Emergency Generators		2	ea	1995
Hercules Model D2300TX324; Diesel powered, 1800 rpm				
Hanco Model 30RHF22DWLW; 30 KW, 277 / 480 volt, 3 ph				

d. Table 2 - Delete last three entries: Emergency Generator, Engine Data, and Alternator Data.

e. J26.3 - Add bullets as follows:

- The Contractor shall enter into a Memorandum of Understanding with the Sheppard Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Sheppard AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Sheppard Air Force Base Civil Engineer Control Center or equivalent agency for exercises and crisis situations.

f. J26.6 - Replace first sentence as follows: The Contractor shall provide the Government submittals for the following:

g. J26.6 - Fill out name, address and phone number for Item 1 as follows:

Name: 82th CES/CERS

Address: 231 9th Street, Sheppard AFB TX 76311

Phone number: (940) 676-6287

h. J26.6 - Fill out name, address and phone number for Item 2 as follows:

Name: 82th CES/CERS

Address: 231 9th Street, Sheppard AFB TX 76311

Phone number: (940) 676-5689

i. J26.6 - Delete Item 3.

Attachment J27 Ellington Field ANGB Electric Distribution System

a. J27.2.1 - Replace first paragraph as follows:

The Ellington Field ANGB electric 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, transformers, circuits, protective devices, utility poles, ductbanks, switches, lighting on poles (street, parking, security, and ball field), and other ancillary fixed equipment. Lighting on poles includes the footings, pole, fixtures, sensors, and electric cable from point of demarcation defined in the Right of Way. The actual inventory of items sold will be established 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.

b. J27.3 - Add bullets as follows:

- The Contractor shall coordinate with the Base Civil Engineer or equivalent agency as designated by the contracting officer any changes to street lights, security lights, obstruction lights, or other lights that may affect blackout procedures during Government operations.
- The Contractor shall enter into a Memorandum of Understanding with the Ellington Field Air National Guard Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Ellington Field ANGB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Ellington Field Air National Guard Base Civil Engineer Control Center or equivalent agency as designated by the contracting officer for exercises and crisis situations.
- The Contractor shall provide monthly meter reading reports IAW Paragraph J27.6, and that meet the following requirements:
The Contractor shall keep a meter books with monthly consumption and demand (if applicable) for each meter readings. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Government may provide a format in a Microsoft Excel files to be used for meter readings.
- For all privatized lighting fixtures, operations and maintenance of lighting fixtures includes the purchase and replacement of the lighting element and the removal and disposal of replaced lighting element.

c. J27.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J27.6 Submittals

The Contractor shall provide the Government submittals for the following:

d. J27.6 - Replace Item 4 paragraph as follows:

4. System Efficiency Report. The Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. The Contracting Officer will determine the frequency of the report based on Government requirements. System efficiency reports shall be submitted to:

Attachment J28 Ellington Field ANGB Natural Gas Distribution System

a. J28.3 - Replace first bullet as follows:

- Leak detection surveys shall be performed IAW the Texas Railroad Commission (RRC) and 49 CFR 192 standards and frequencies. Ellington Field Air National Guard Base is classified as a business district for the purpose 49 CFR 192.

b. J28.3 - Add bullets as follows:

- The Contractor shall provide monthly meter reading reports IAW Paragraph J28.6, and that meet the following requirements:
The Contractor shall keep meter books with monthly consumption and demand (if applicable) for each meter reading. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Contractor shall coordinate with the Government to determine the format for meter books to be delivered.
- The Contractor shall enter into a Memorandum of Understanding with the Ellington Field Air National Guard Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Ellington Field ANGB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Ellington Field Air National Guard Base Civil Engineer Control Center or equivalent agency for exercises and crisis situations.

c. J28.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J28.6 Submittals

The Contractor shall provide the Government submittals for the following:

d. J28.6 - Replace Item 4 paragraph as follows:

4. System Efficiency Report. The Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. The Contracting Officer will determine the frequency of the report based on Government requirements. System efficiency reports shall be submitted to:

Attachment J29 Ellington Field ANGB Water Distribution System

a. J29.2.1 - Replace first paragraph as follows:

The Ellington 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, and meters. The actual inventory of items to be transferred will be established via a 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 the 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.

b. J29.3 - Add bullets as follows:

- The Contractor shall provide monthly meter reading reports IAW Paragraph J29.6, and that meet the following requirements:
The Contractor shall keep meter books with monthly consumption and demand (if applicable) for each meter reading. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Contractor shall coordinate with the Government to determine the format for meter books to be delivered.
- IAW the Right of Way, the Contractor shall allow the Government access to operate and maintain any communication equipment, obstruction lights, beacon lighting, emergency warning equipment, public address equipment, and other Government equipment on water tanks.
- The Contractor shall enter into a Memorandum of Understanding with the Ellington Field Air National Guard Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Ellington Field ANGB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.

- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Ellington Field Air National Guard Base Civil Engineer Control Center or equivalent agency for exercises and crisis situations.
- The Contractor shall coordinate any change to the water distribution system that may affect fire protection with the Base Fire Department.
- The Contractor shall coordinate replacement or changes to fire hydrants with the Base Fire Department.
- The Contractor shall perform flow testing and maintenance of fire hydrants and water lines IAW National Fire Protection Association standards. The government reserves the right to review flow test records.
- The Contractor shall operate, maintain and test the Base water system IAW TNRCC regulations. The Contractor shall provide the Contracting Officer with a copy of any and all testing information and reports submitted to the TNRCC.

c. J29.6 - Delete the word "monthly" from the title and first line of paragraph to read as follows:

J29.6 Submittals

The Contractor shall provide the Government submittals for the following:

Attachment J30 Ellington Field ANGB Wastewater Collection System

a. J30.2.1 - Replace first paragraph as follows:

The Ellington Field ANGB wastewater collection system consists of all appurtenances physically connected to the collection system from the point of demarcation defined by the Right of Way to point in which the collection system exits the Installation. The system may include, but is not limited to, pipelines, manholes, lift stations, valves, and controls. The actual inventory of items sold will be established 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 collection 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.

b. J30.2.1 - Add bullet as follows:

- Grease Traps

c. J30.3 - Replace bullet as follows:

- The Contractor shall enter into a Memorandum of Understanding with the Ellington Field Air National Guard Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Ellington Field ANGB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in

the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.

- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Ellington Field Air National Guard Base Civil Engineer Control Center or equivalent agency for exercises and crisis situations.

d. Delete the word "monthly" from the title and first line of paragraph to read as follows:

J30.6 Submittals

The Contractor shall provide the Government submittals for the following:

e. J30.6 - Delete Item 3.

Attachment J53 ROW Exhibits A through D for Dyess AFB (Natural Gas)

a. J53 Table, Unique Points of Demarcation - replace as follows:

Building No.	Point of Demarcation Description
Lone Star Gate Stations	The beginning point of demarcation is the downstream flange fitting at each of the two Lone Star gate stations. The ending point of demarcation is as defined by the appropriate case above.

b. J53 Table, Plants - replace as follows:

Description	Facility Number	State Coordinates	Other Information
Regulation Station # 1			
Regulation Station # 2			
Regulation Station # 3			

Note: Grantor retains access rights for Fire Department emergency response.

Attachment J54 ROW Exhibits A through D for Goodfellow AFB (Electric, Natural Gas, Water, and Wastewater)

a. J54 Table, Electric Distribution System Points of Demarcation - replace as follows:

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the line side of the disconnect switch. <i>Note: If meter is present, Meter is included in purchase of the utility</i>	Pad Mounted Transformer located outside of structure with disconnect switch located on the exterior of the building.	

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the line side of the disconnect switch. <i>Note: If meter is present, Meter is included in purchase of the utility.</i>	Disconnect switch is located on the exterior of the building on an overhead secondary line.	
Point of demarcation is the line side of the disconnect switch at the first pole of the lighting circuit. <i>Note: If no disconnect switch exists Contractor shall install new disconnect switch.</i>	Street, Security, Parking, and Ball Field Lighting fed directly from a transformer. Service may be from pole or pad mount transformer.	

b. J54 Table, Unique Points of Demarcation - replace as follows:

Building No.	Point of Demarcation Description
Airfield Lighting	The point of demarcation for airfield lighting is the line side of the disconnect switch in the building or vault housing the airfield lighting equipment.
Emergency Warning Sirens fed directly from transformers	The point of demarcation for Emergency Warning Sirens will be the disconnect switch closest to the siren. Sirens will be owned and maintained by others.
Sanitary sewer lift station fed from transformers.	The point of demarcation is from the line side of control panel for lift station.
Cable TV amplifiers fed directly from transformers, street lighting, or security lighting.	For connections from the electric distribution system to Cable TV amplifiers, the cable service provider and the privatization contractor will establish the points of demarcation.
Cathodic protection rectifiers fed from transformers	The point of demarcation for cathodic protection rectifiers will be the disconnect switch closest to the rectifier. Rectifiers will be owned and maintained by others.

c. J54 Table, Electric Distribution System Plants and Substations - replace as follows:

Description	Facility Number	State Coordinates	Other Information
Switching Station			

Note: Grantor retains access rights for Fire Department emergency response.

d. J54 Table, Natural Gas Distribution System Points of Demarcation - replace as follows:

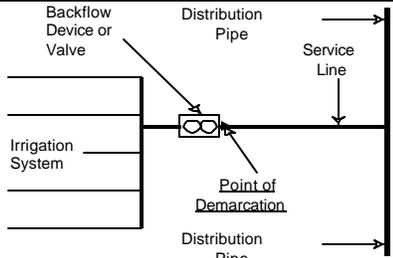
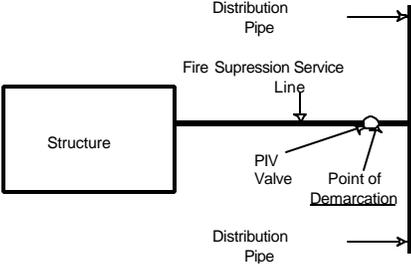
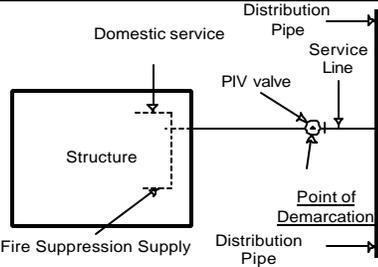
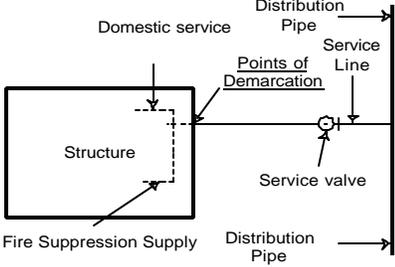
Point of Demarcation	Applicable Scenario	Sketch
The point of demarcation is the down stream side of the natural gas meter.	Natural gas service to the building is metered.	

Point of Demarcation	Applicable Scenario	Sketch
The point of demarcation is the down stream side of the pressure regulator.	Natural gas service to the building is regulated but not metered.	
Point of demarcation is the down stream side of the closest apparatus to the exterior of the facility	More than one apparatus is connected to the service line feeding the facility.	
Point of demarcation is the closest shutoff valve to the exterior of the building.	No meter or regulator exists at the facility.	

e. J54 Table, Natural Gas Distribution System Table for Plants - add note as follows: Note: Grantor retains access rights for Fire Department emergency response.

f. J54 Table, Water Distribution System Points of Demarcation

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the downstream side of the Water Meter, Backflow Device, or Valve (closest apparatus to the exterior of the structure)	Water meter, backflow device, or valve is located on the service line entering the structure within 25 feet of the exterior of the structure.	
Point of demarcation is where the service line enters the structure <i>Note: the Contractor shall install Service valve within 25 feet of the structure during any maintenance action. Service valve will become the point of demarcation</i>	No water meter, backflow device, or valve exists on the service line entering the structure.	

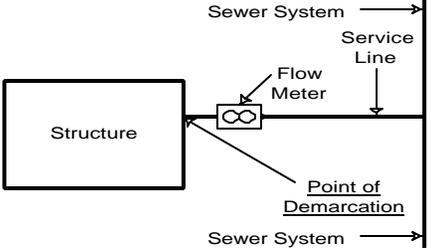
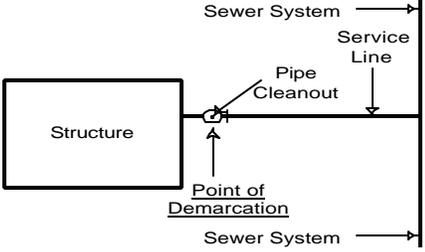
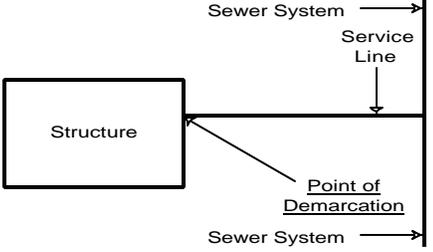
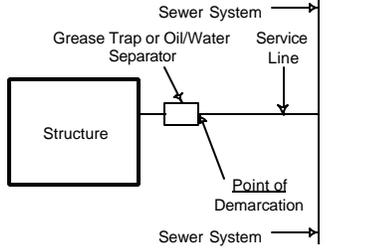
Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the upstream side of the backflow device.	Irrigation system fed directly from distribution system.	
Point of demarcation is the upstream side of the PIV valve.	Fire suppression system on dedicated feed from water main.	
Point of demarcation is the upstream side of the PIV valve.	Fire suppression system on the same feed as domestic service from water main and service line has PIV valve.	
Point of demarcation is where the service enters the building. <i>Note: Service valve may be installed within 25 feet of the structure at any time. Service valve will become the point of demarcation.</i>	Fire suppression system on the same feed as domestic service from water main and service line does not have PIV valve.	

g. J54 Table, Water distribution system Plants and Towers - replace as follows:

Description	Facility Number	State Coordinates	Other Information
400,000 Gallon Elevated Water Storage			Located near Commissary
400,000 Gallon Elevated Water Storage			Located near Fire Training Center

Note: Grantor retains access rights for Fire Department emergency response.

h. J54 Table, Wastewater Collection System Points of Demarcation - replace as follows:

Point of Demarcation	Applicable Scenario	Sketch
Point where the service line exits the structure <i>Note: A new cleanout device should be installed within 10' of building during any stoppage or maintenance action. This will then become the new point of demarcation.</i>	Wastewater system flow meter is located on the service line exiting the structure.	
Point of demarcation is the first cleanout device.	No flow meter exists and a wastewater system cleanout is located within 10 feet of the building perimeter on the service line.	
Point where the service line exits the structure <i>Note: A new cleanout device should be installed within 10' of building during any stoppage or maintenance action. This will then become the new point of demarcation.</i>	No flow meter or cleanout exists on the service line exiting the structure.	
Point of Demarcation is the downstream side of grease trap or oil/water separator.	Grease trap or oil/water separator exists.	

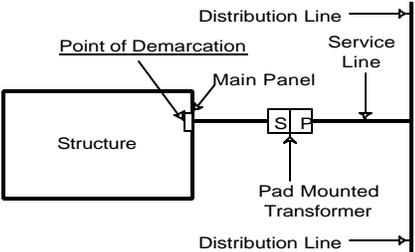
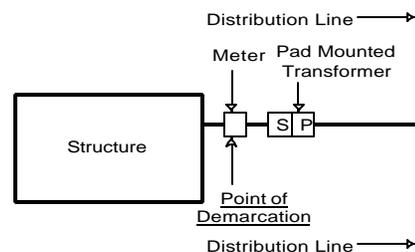
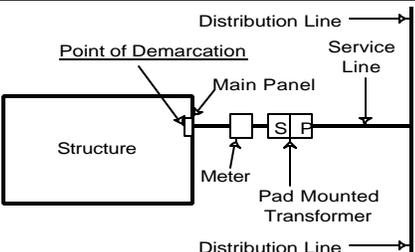
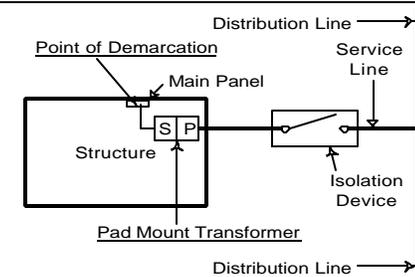
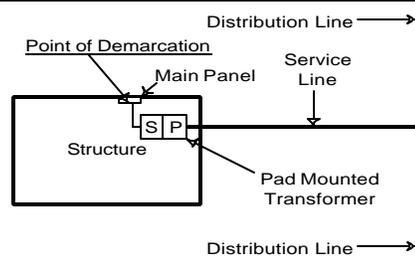
i. J54 Table, Wastewater collection system Unique Points of Demarcation - replace as follows:

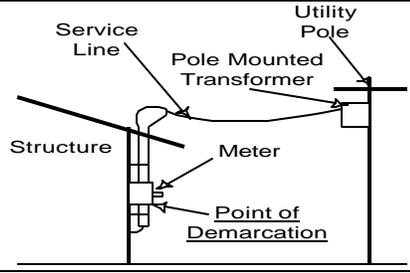
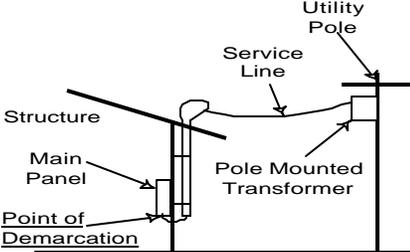
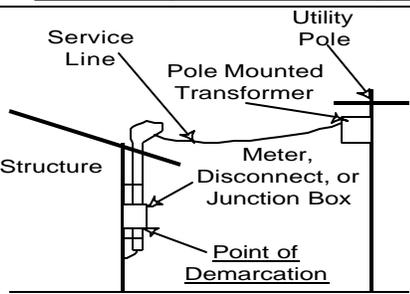
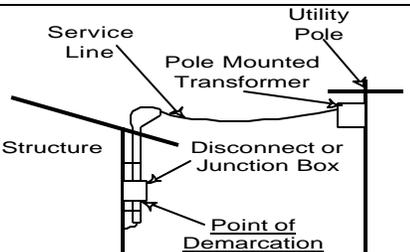
Building No.	Point of Demarcation Description
Fire Training Building	The point of demarcation is the downstream side of the first manhole downstream of the oil/water separator.
Sanitary sewer lift station electrical supply.	The point of demarcation is from the line side of control panel for lift station.
Connection to Public Sanitary Sewer System.	The point of demarcation is where the wastewater collection system exits the base boundary. <i>Note: Goodfellow has four connections to the public sanitary system.</i>

j. J54 Table, Wastewater Collection System Table for Plants - add note as follows: Note: Grantor retains access rights for Fire Department emergency response.

Attachment J55 ROW Exhibits A through D for Lackland AFB (Electric, Natural Gas, Water, and Wastewater)

a. J55 Table, Electric Distribution System Points of Demarcation - replace as follows

Point of Demarcation	Applicable Scenario	Sketch
<p>Point of demarcation is the line side of the main panel in the structure.</p> <p><i>Note: Disconnect switch may be installed at the structure at any time. Disconnect switch will become the point of demarcation.</i></p>	<p>Pad Mounted Transformer located outside of structure with underground service to the structure and no meter exists.</p>	 <p>The sketch shows a 'Structure' on the left. A 'Main Panel' (S P) is located at the 'Point of Demarcation' on the structure's boundary. A 'Pad Mounted Transformer' is located outside the structure. A 'Service Line' connects the transformer to the main panel. 'Distribution Lines' are shown entering and exiting the structure from the right.</p>
<p>Point of demarcation is the load side of the meter.</p>	<p>Government Owned Residential service (less than 200 amps and 240V 1-Phase), and three phase self contained meter installations.</p>	 <p>The sketch shows a 'Structure' on the left. A 'Main Panel' (S P) is located at the 'Point of Demarcation' on the structure's boundary. A 'Meter' is installed between the structure and the main panel. A 'Pad Mounted Transformer' is located outside the structure. A 'Service Line' connects the transformer to the meter. 'Distribution Lines' are shown entering and exiting the structure from the right.</p>
<p>Point of demarcation is the line side of the main panel in the structure.</p> <p><i>Note: Disconnect switch may be installed at the structure at any time. Disconnect switch will become the point of demarcation.</i></p>	<p>Three Phase CT metered service.</p>	 <p>The sketch shows a 'Structure' on the left. A 'Main Panel' (S P) is located at the 'Point of Demarcation' on the structure's boundary. A 'Meter' is installed between the structure and the main panel. A 'Pad Mounted Transformer' is located outside the structure. A 'Service Line' connects the transformer to the meter. 'Distribution Lines' are shown entering and exiting the structure from the right.</p>
<p>Point of demarcation is the line side of the main panel in the structure.</p>	<p>Transformer located inside of structure and an isolation device is in place with or without a meter</p> <p><i>Note: Utility Owner must be granted 24-hour access to transformer room.</i></p>	 <p>The sketch shows a 'Structure' on the left. A 'Main Panel' (S P) is located at the 'Point of Demarcation' on the structure's boundary. A 'Pad Mount Transformer' is located inside the structure. An 'Isolation Device' is located between the transformer and the main panel. A 'Service Line' connects the transformer to the isolation device. 'Distribution Lines' are shown entering and exiting the structure from the right.</p>
<p>Point of demarcation is the line side of the main panel in the structure.</p>	<p>Transformer located inside of structure with no isolation device in place.</p> <p><i>Note: Utility Owner must be granted 24-hour access to transformer room.</i></p>	 <p>The sketch shows a 'Structure' on the left. A 'Main Panel' (S P) is located at the 'Point of Demarcation' on the structure's boundary. A 'Pad Mounted Transformer' is located inside the structure. A 'Service Line' connects the transformer to the main panel. 'Distribution Lines' are shown entering and exiting the structure from the right.</p>

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the load side of the electric meter.	Electric meter is connected to the exterior of the building on an overhead secondary line.	
Point of demarcation is the line side of the main panel in the structure. <i>Note: Disconnect switch may be installed at any time. Disconnect switch will become the point of demarcation.</i>	Pole Mounted Transformer located outside of structure with secondary attached to outside of structure with no meter.	
Point of demarcation is the load side of the meter, disconnect, or junction box.	Government Owned Residential service (less than 200 amps and 240V 1-Phase), and three phase self contained meter installations.	
Point of demarcation is the line side of disconnect switch or junction box on the structure.	Service may be overhead or underground. A disconnect switch or junction box is mounted to the exterior of the structure with no meter.	

b. J55 Table, Electric distribution system Unique Points of Demarcation - replace as follows:

Location	Point of Demarcation Description
Airfield Lighting	The point of demarcation for the helicopter landing pad is the line side of the breaker panel closest to the pole mounted pad lighting. The panel is adjacent to the pad. The pole mounted lighting system is not included in the purchase of this utility.
Total Energy Plant (Bldg.4895)	The point of demarcation for the Total Energy Plant is the line side of the fuses on the termination power pole for Circuit No: 7.
WHMC Circuit No: 2.	The point of demarcation is the line side of switchgear SD52 in BN01A located in the basement of WHMC.
Frank Tejada East (South Wherry) Housing	Frank Tejada East (Former South Wherry) Housing is scheduled for privatization under separate contract. The housing contractor will own and maintain the utilities within the housing area. The point of demarcation is a power pole in the vicinity of Kellack Road and Dimsted Avenue, north of the housing area.
Frank Tejada West (Medina) Housing	Frank Tejada West (Medina) Housing has been privatized. The housing contractor owns and maintains the utilities within the housing area. The point of demarcation point is the two power poles that feed the housing area.
Dormitories	For dormitories with transformer(s) located in the building mechanical room, the point(s) of demarcation is the line side of the main panel.
Recreational,	The beginning point of demarcation for lighting fed from a building without a disconnect

Parking, and Security Lighting fed from Buildings	switch for the lighting on the out side of the building is the main panel in the building. If a disconnect switch for the lighting exists on the interior of the building the contractor shall relocate the switch to the exterior of the building. All appurtenances from the main panel or the exterior disconnect switch to and including the fixture are included in the purchase. <i>Note: Disconnect switch may be installed at the structure at any time. Disconnect switch will become the point of demarcation.</i> (This includes lightening associated with 1032 Area, 1200 Area, 1286, 1298, 1385, 1400 Area, 1528, 2313, 2400, 2484, 2490, 2503, 3612, 3618, 3746, 3885, 4380, 4409, 4430, 4895, 4957, 5078, 5160, 5275, 5408, 5570, 5587, 5616, 5728, 6114, 6278, 6281-6290, 6418, 6420, 6478, 6612, 7065, 7075, 7243, 7346, 7460, 7502, 7507, 7535, 7616, 7625, 7640, 8210, 8400, 9085, 9110, 9120, 9154-9185, 9210, 9288, 9310, 9410, 10070, 10175, 10203, 10215, 10253, 10390, 10416, 10541, 10806, 10900, Camp Bldg., CE Complex Bldg., DLI Area, Fischer #1 & #2 Bldgs., WHMC, and EMCS Bldg.) <i>Note: Lighting fed from directly from transformers is included with the privatized system.</i>
Cable TV amplifiers fed directly from transformers	For connections from the electric distribution system to Cable TV amplifiers, the cable service provider and the privatization contractor will establish the points of demarcation.
Emergency Warning Sirens fed directly from transformers	The point of demarcation for Emergency Warning Sirens will be the disconnect switch closest to the siren. Sirens will be owned and maintained by others.
Cathodic protection rectifiers fed from transformers	The point of demarcation for cathodic protection rectifiers will be the disconnect switch closest to the rectifier. Rectifiers will be owned and maintained by others.
Cathodic protection rectifiers fed from buildings.	The beginning point of demarcation is the main panel in the building. The ending point of demarcation will be the disconnect switch closest to the rectifier. Rectifiers will be owned and maintained by others. <i>Note: Disconnect switch may be installed at any time. Disconnect switch will become the point of demarcation.</i>
Sanitary sewer lift stations fed from buildings.	The beginning point of demarcation is the breaker for the lift station in the building. The ending point of demarcation will be the disconnect switch closest to the lift station. <i>Note: Disconnect switch may be installed at the building at any time. Disconnect switch will become the starting point of demarcation.</i>
State Owned Traffic Lights on SW Military Drive	The point of demarcation is the disconnect switch supplying the traffic lighting system.
State owned Troop Overpass over SW Military Drive	The point of demarcation is the line side of the disconnect switch supplying the area lighting located on the structure.
Air Force owned Traffic Lights Structures 10654, 1407, and 1207	Air Force owned traffic lights are included in the privatization. This includes all appurtenances to and including the lighting, controls, and sensors. Structures 10654, 1407, and 1207 are pad mounted transformers and switchgears that provide power to dormitory facilities. Structures 10654, 1407, and 1207 are included in the privatization. The point of demarcation for the dormitory facilities is the main panel inside the facilities. <i>Note: Disconnect switch may be installed at the dormitory facilities at any time. Disconnect switch will become the point of demarcation.</i>
Family Camp	The Family Camp area is included in the privatization. This includes all secondary system and appurtenances to and including the electric outlet connection at each campsite.
Prime Rib Area	The point of demarcation is the line side of the distribution panel at each structure in the area.
Warrior Week Area	The point of demarcation is the line side of the distribution panel at each structure in the area.

c. J55 Table, electric distribution system Plants and Substations - replace as follows:

Description	Facility Number	State Coordinates	Other Information
Main Base Switch Gear Station			
Lackland Training Annex Switch Gear Station			

Note: Grantor retains access rights for Fire Department emergency response.

d. J55 Table, Natural gas distribution system Unique Points of Demarcation - replace as follows:

Location	Point of Demarcation Description
Buildings 4883, 4886, and 4892	The beginning point of demarcation is the east edge of the TEP building (4880) where the gas line exits the building. The ending point of demarcation is as defined by the appropriate case above.
TEP (4880)	The beginning point of demarcation is the downstream flange fitting at the PG&E-Valero gate station. The ending point of demarcation is as defined by the appropriate case above.
Frank Tejada East (South Wherry) Housing	Frank Tejada East (South Wherry) Housing is scheduled for privatization under separate contract. The housing contractor will own and maintain the utilities within the housing area. The point of demarcation is the upstream side of the service valve at the main that supplies the housing area.
North Wherry Housing Cathodic Protection Rectifiers	Point of demarcation is the shutoff valve to each unit. Cathodic protection is included in the privatization. The point of demarcation between the electric feed and the cathodic protection will be the first disconnect switch closest to the rectifier. <i>Note: Buildings 1013, 2605 and 1415 have rectifiers located within building mechanical rooms.</i>

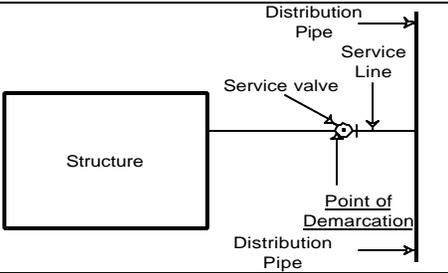
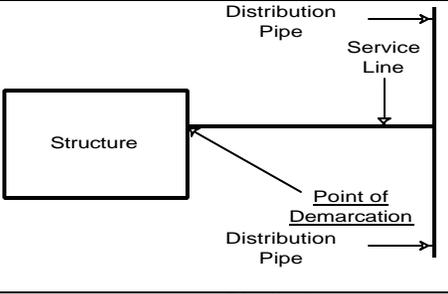
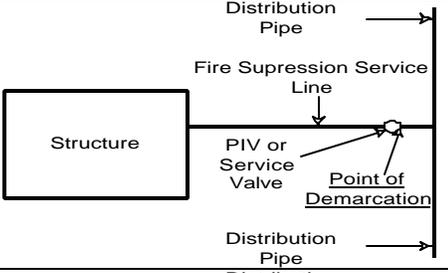
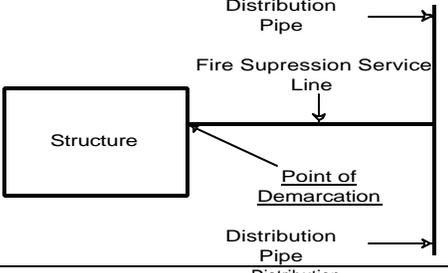
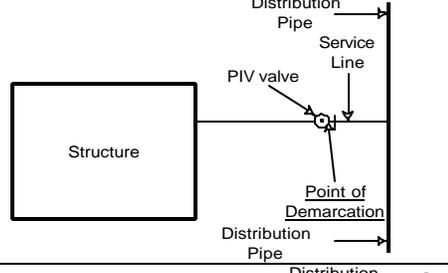
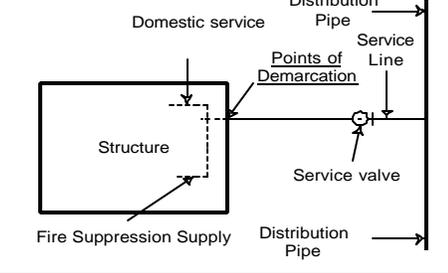
e. J55 Table, Natural gas distribution system Plants and Substations - replace as follows:

Description	Facility Number	State Coordinates	Other Information
None			

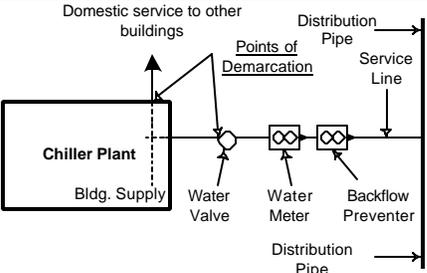
Note: Grantor retains access rights for Fire Department emergency response.

f. J55 Table, Water Distribution System Points of Demarcation - replace as follows:

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the downstream side of the water meter	Water meter is located on the service line entering the structure within 25 feet of the exterior of the structure.	
Point of demarcation is the upstream side of the backflow device.	Backflow device is located on the service line entering the structure.	
Point of demarcation is the upstream side of the backflow device.	Irrigation system fed directly from distribution system.	

Point of Demarcation	Applicable Scenario	Sketch
<p>Point of demarcation is the downstream side of the closest service valve to the structure.</p>	<p>Service valve is located on the service line entering the structure within 25 feet of the exterior of the structure.</p>	 <p>The sketch shows a rectangular structure on the left. A horizontal line represents the service line entering the structure. A circular symbol with a cross inside, labeled 'Service valve', is located on this line just outside the structure. To the right of the structure, a vertical line represents the distribution pipe. A horizontal line branches off from the distribution pipe to the service valve. The 'Point of Demarcation' is indicated by a vertical line on the service line, positioned to the right of the service valve. Labels include 'Distribution Pipe' at the top and bottom, 'Service Line' on the right, 'Structure' on the left, 'Service valve' pointing to the valve symbol, and 'Point of Demarcation' pointing to the vertical line.</p>
<p>Point of demarcation is where the service line enters the structure</p> <p><i>Note: Service valve may be installed within 25 feet of the structure at any time. Downstream side of the Service valve will become the point of demarcation.</i></p>	<p>No water meter, backflow device, or valve exists on the service line entering the structure within 25 feet of the exterior of the structure.</p>	 <p>The sketch shows a rectangular structure on the left. A horizontal line represents the service line entering the structure. A vertical line represents the distribution pipe on the right. A horizontal line branches off from the distribution pipe to the service line. The 'Point of Demarcation' is indicated by a vertical line on the service line, positioned at the point where it enters the structure. Labels include 'Distribution Pipe' at the top and bottom, 'Service Line' on the right, 'Structure' on the left, and 'Point of Demarcation' pointing to the vertical line.</p>
<p>Point of demarcation is the upstream side of the PIV.</p>	<p>Fire suppression system on dedicated feed from water main.</p>	 <p>The sketch shows a rectangular structure on the left. A horizontal line represents the fire suppression service line entering the structure. A vertical line represents the distribution pipe on the right. A horizontal line branches off from the distribution pipe to the fire suppression service line. A circular symbol with a cross inside, labeled 'PIV or Service Valve', is located on the fire suppression service line just outside the structure. The 'Point of Demarcation' is indicated by a vertical line on the fire suppression service line, positioned to the left of the PIV or service valve. Labels include 'Distribution Pipe' at the top and bottom, 'Fire Suppression Service Line' on the right, 'Structure' on the left, 'PIV or Service Valve' pointing to the valve symbol, and 'Point of Demarcation' pointing to the vertical line.</p>
<p>Point of demarcation is where the service enters the building.</p> <p><i>Note: Service valve may be installed within 25 feet of the structure at any time. Downstream side of the Service valve will become the point of demarcation.</i></p>	<p>Fire suppression system on dedicated feed from water main with no PIV and service valve is greater than 25' from structure.</p>	 <p>The sketch shows a rectangular structure on the left. A horizontal line represents the fire suppression service line entering the structure. A vertical line represents the distribution pipe on the right. A horizontal line branches off from the distribution pipe to the service line. A circular symbol with a cross inside, labeled 'Service Valve', is located on the service line just outside the structure. The 'Point of Demarcation' is indicated by a vertical line on the service line, positioned at the point where it enters the structure. Labels include 'Distribution Pipe' at the top and bottom, 'Fire Suppression Service Line' on the right, 'Structure' on the left, 'Service Valve' pointing to the valve symbol, and 'Point of Demarcation' pointing to the vertical line.</p>
<p>Point of demarcation is the upstream side of the PIV valve.</p>	<p>Fire suppression system on the same feed as domestic service from water main and service line has PIV valve.</p>	 <p>The sketch shows a rectangular structure on the left. A horizontal line represents the fire suppression service line entering the structure. A vertical line represents the distribution pipe on the right. A horizontal line branches off from the distribution pipe to the service line. A circular symbol with a cross inside, labeled 'PIV valve', is located on the service line just outside the structure. The 'Point of Demarcation' is indicated by a vertical line on the service line, positioned to the left of the PIV valve. Labels include 'Distribution Pipe' at the top and bottom, 'Service Line' on the right, 'Structure' on the left, 'PIV valve' pointing to the valve symbol, and 'Point of Demarcation' pointing to the vertical line.</p>
<p>Point of demarcation is where the service enters the building.</p> <p><i>Note: Service valve may be installed within 25 feet of the structure at any time. Service valve will become the point of demarcation.</i></p>	<p>Fire suppression system on the same feed as domestic service from water main and service line does not have PIV valve or service valve within 25' of structure.</p> <p><i>Note: Service line may have existing service valve greater than 25' from structure.</i></p>	 <p>The sketch shows a rectangular structure on the left. A horizontal line represents the fire suppression supply entering the structure. A vertical line represents the distribution pipe on the right. A horizontal line branches off from the distribution pipe to the service line. A circular symbol with a cross inside, labeled 'Service valve', is located on the service line just outside the structure. The 'Points of Demarcation' are indicated by two vertical lines: one on the fire suppression supply line at the point where it enters the structure, and another on the service line at the point where it enters the structure. Labels include 'Distribution Pipe' at the top and bottom, 'Service Line' on the right, 'Structure' on the left, 'Fire Suppression Supply' on the left, and 'Service valve' pointing to the valve symbol.</p>

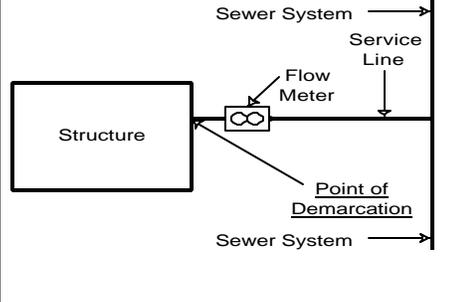
g. J55 Table, Water distribution system Unique Points of Demarcation - replace as follows:

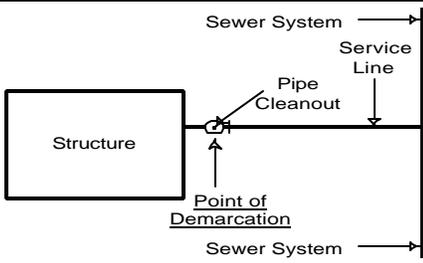
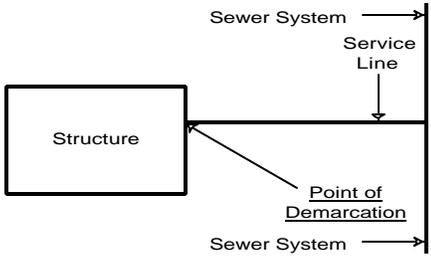
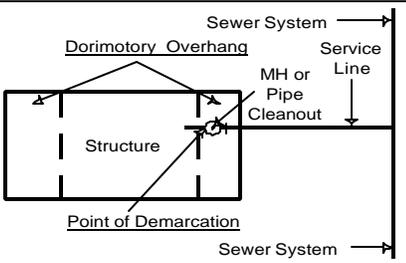
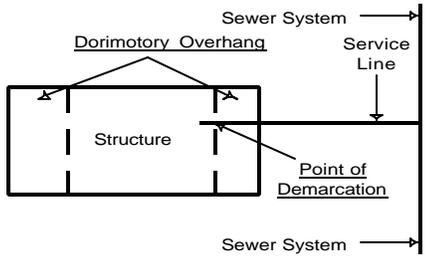
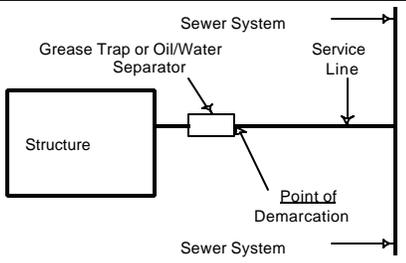
Location	Point of Demarcation Description
Building 7429	
Water Supply Pump Stations	Water supply pump building is included in the privatization. This includes all fixtures within the building.
North Wherry Housing, Zachary Housing, Capehart Housing	If a service valve for each unit does not exist within 25 feet of the building, the point of demarcation is where the service for each unit enters the building. If a unit has a service valve within 25 feet of the building, the point of demarcation is the downstream side of the service valve. <i>Note: Service valve may be installed within 25 feet of the structure at any time. Downstream side of service valve will become the point of demarcation.</i>
Frank Tejada East (South Wherry) Housing	Frank Tejada East (South Wherry) Housing is scheduled for privatization under separate contract. The housing contractor will own and maintain the utilities within the housing area. The points of demarcation are the two service valves that supply the housing area located west of the area.
Frank Tejada West (Medina) Housing	Frank Tejada West (Medina) Housing has been privatized. The housing contractor owns and maintains the utilities within the housing area. The points of demarcation are two service valves on the water main near two edges of the housing area. Housing contractor owns and maintains the water main between these two valves.
Airman Scott Village	Point of demarcation is service valve for each unit.
Yount Circle Housing	Point of demarcation is service valve for each unit.
Family Camp	The Family Camp area is included in the privatization. This includes all appurtenances to and including the water spigot connection at each campsite.
Water Line Connection to KAFB System	Point of demarcation is Lackland AFB side of joint service valve between Lackland and Kelly AFB. Valve is not included in purchase of utility.

h. J55 Table, Water Distribution System Table for Plants and Towers - add note as follows:

Note: Grantor retains access rights for Fire Department emergency response.

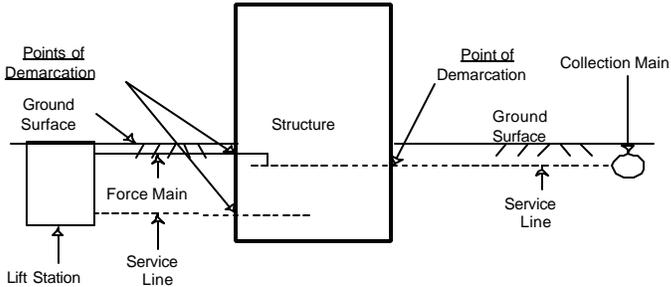
i. J55 Table, Wastewater Collection System Points of Demarcation - replace as follows:

Point of Demarcation	Applicable Scenario	Sketch
<p>Point of demarcation is where the service line exits the structure</p> <p><i>Note: A new 2-way cleanout device should be installed within 10' of building during any stoppage or maintenance action. The upstream side of the cleanout will then become the new point of demarcation.</i></p>	<p>Wastewater system flow meter is located on the service line exiting the structure.</p>	

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the upstream side of the cleanout device.	No flow meter exists and a wastewater system cleanout is located within 10 feet of the building perimeter on the service line.	
Point of demarcation is where the service line exits the structure. <i>Note: A new 2-way cleanout device should be installed within 10' of building during any stoppage or maintenance action. The upstream side of the cleanout will then become the new point of demarcation..</i>	No flow meter or cleanout exists on the service line within 10 feet of where the service line exits the structure.	
Point of demarcation is upstream side of cleanout device or manhole from first floor building edge.	Dormitories with overhang and a cleanout device or manhole is located within 10' of the first floor building edge.	
Point of demarcation is where the service line exits from first floor building edge.. <i>Note: A new 2-way cleanout device should be installed within 10' of building during any stoppage or maintenance action. The upstream side of the cleanout will then become the new point of demarcation.</i>	Dormitories with overhang and a cleanout device or manhole is not located within 10' of the first floor building edge.	
Point of demarcation is the downstream side of grease trap or oil/water separator.	Grease trap or Oil/water separator	

j. J55 Table, Wastewater collection system Unique Points of Demarcation - replace as follows:

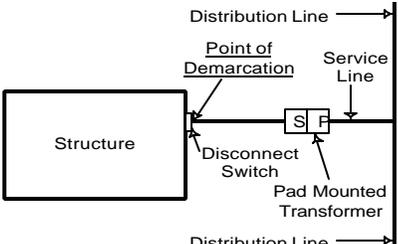
Location	Point of Demarcation Description
Connection to Public Sanitary Sewer System.	The point of demarcation is the outside edge of the public-owned manhole where the sanitary sewer connects. <i>Note: Lackland main base has four connections and the LTA has 2 connections to the</i>

Location	Point of Demarcation Description
<p>Lift station for structures with basement facilities.</p>	<p><i>public sanitary systems.</i></p> 
<p>Sanitary sewer lift station electrical supply.</p>	<p>The point of demarcation is from the line side of disconnect switch for lift station.</p>
<p>New Temporary Housing (TLF2)</p>	<p>The point of demarcation is first clean out outside of each building and includes the service line out to the sewer system. This may include service lines underneath adjacent housing buildings.</p>
<p>Frank Tejada East (South Wherry) Housing</p>	<p>Frank Tejada East (South Wherry) Housing is scheduled for privatization under separate contract. The housing contractor will own and maintain the utilities within the housing area. Point of demarcation is the upstream side of the first sanitary sewer manhole adjacent to north side of the housing area. The connection manhole is included in the purchase of the utility.</p>
<p>Family Camp</p>	<p>The Family Camp area is included in the privatization. This includes all appurtenances to and including the hub at each campsite.</p>
<p>Frank Tejada West (Medina) Housing</p>	<p>Frank Tejada West (Medina) Housing has been privatized. The housing contractor owns and maintains the gravity sewer system connected to the housing units within the housing area. Points of demarcation for the 24-inch gravity sewer line is the fence line on the upstream end of the housing area and the manhole just inside the fence line on the downstream end of the housing area. Sewer main (24-inch) within housing area is not included in the purchase of the utility.</p>
<p>Frank Tejada West (Medina) Housing</p>	<p>Frank Tejada West Frank Tejada West Housing has been privatized. A 12-inch diameter sewer force main within the Frank Tejada West (Medina) Housing is not owned or maintained by the housing privatization contractor. The 12-inch diameter sewer force main within the Housing area is included in the purchase of this utility.</p>

k. J55 Table, Wastewater Collection System Table for Plants - add note as follows: Note: Grantor retains access rights for Fire Department emergency response.

Attachment J56 ROW Exhibits A through D for Laughlin AFB (Electric, Natural Gas, Water, and Wastewater)

a. J56 Table, Electric Distribution System Points of Demarcation - replace table as follows:

Point of Demarcation	Applicable Scenario	Sketch
<p>Point of demarcation is the line side of the disconnect switch on the structure.</p>	<p>Underground service to the structure and there is a disconnect switch on the outside of the structure.</p>	

Point of Demarcation	Applicable Scenario	Sketch
<p>Point of demarcation is the line side of the main panel in the structure.</p> <p><i>Note: Disconnect switch may be installed at the structure at any time. Line side of disconnect switch will become the point of demarcation.</i></p>	<p>Pad Mounted Transformer located outside of structure with underground service to the structure and no meter or disconnect switch exists.</p>	
<p>Point of demarcation is the line side of the main panel in the structure.</p>	<p>Transformer located inside of structure.</p> <p><i>Note: Utility Owner must be granted 24-hour access to transformer room.</i></p>	
<p>Point of demarcation is the load side of the electric meter.</p>	<p>Electric meter is connected to the exterior of the building on an overhead secondary line.</p>	
<p>Point of demarcation is the line side of the main panel in the structure.</p> <p><i>Note: Disconnect switch may be installed at any time. Line side of the disconnect switch will become the point of demarcation.</i></p>	<p>Pole Mounted Transformer located outside of structure with secondary attached to outside of structure with no meter or disconnect switch.</p>	
<p>Point of demarcation is the line side of the disconnect switch or junction box on the structure.</p>	<p>Service may be overhead or underground. A disconnect switch is mounted to the exterior of the structure with no meter.</p>	

b. J56 Table, Electric distribution system Unique Points of Demarcation - replace table as follows:

Building No.	Point of Demarcation Description
Airfield Lighting	The point of demarcation for airfield lighting is the line side of the disconnect switch in the building or vault housing the airfield lighting equipment.
Recreational, Parking, and Security Lighting fed from Buildings	The beginning point of demarcation for lighting on the out side of the building is the main panel in the building. If a disconnect switch for the lighting exists on the interior of the building the contractor shall relocate the switch to the exterior of the building. All appurtenances from the main panel or the exterior disconnect switch to and including the fixture are included in the purchase. <i>Note:</i>

Cable TV amplifiers fed directly from transformers, street lighting, or security lighting.	<i>Disconnect switch may be installed at the structure at any time. Disconnect switch will become the point of demarcation.</i>
Emergency Warning Sirens fed directly from transformers	<i>Note: Lighting fed from directly from transformers is included with the privatized system.</i> For connections from the electric distribution system to Cable TV amplifiers, the cable service provider and the privatization contractor will establish the points of demarcation.
Cathodic protection rectifiers fed from transformers	The point of demarcation for Emergency Warning Sirens will be the disconnect switch closest to the siren. Sirens will be owned and maintained by others.
Cathodic protection rectifiers fed from buildings.	The point of demarcation for cathodic protection rectifiers will be the disconnect switch closest to the rectifier. Rectifiers will be owned and maintained by others.
Sanitary sewer lift stations fed from buildings.	The beginning point of demarcation is the main panel in the building. The ending point of demarcation will be the disconnect switch closest to the rectifier. Rectifiers will be owned and maintained by others. <i>Note: Disconnect switch may be installed at any time. Disconnect switch will become the point of demarcation.</i>
Airport Beacon Lights on buildings or water towers	The beginning point of demarcation is the breaker for the lift station in the building. The ending point of demarcation will be the disconnect switch closest to the lift station. <i>Note: Disconnect switch may be installed at the building at any time. Line side of disconnect switch will become the starting point of demarcation.</i>
	The point of demarcation is the disconnect switch that supplies power to the airport beacon lights.

c. J56 Table, Electric distribution system Plants and Towers - add note as follows: Note: Grantor retains access rights for Fire Department emergency response.

d. J56 Table, Natural Gas Distribution System Points of Demarcation - replace as follows:

Point of Demarcation	Applicable Scenario	Sketch
The point of demarcation is the down stream side of the natural gas meter.	Natural gas service to the building is metered.	<p>The sketch shows a rectangular box labeled 'Structure' on the left. A horizontal line representing the 'Distribution Line' runs from the structure to the right. A vertical line labeled 'Service Line' connects the structure to the distribution line. A 'Meter' is shown on the service line. An arrow points to the downstream side of the meter, labeled 'Point of Demarcation'. The distribution line continues to the right, with arrows at both ends.</p>
The point of demarcation is the down stream side of the pressure regulator.	Natural gas service to the building is regulated but not metered.	<p>The sketch shows a rectangular box labeled 'Structure' on the left. A horizontal line representing the 'Distribution Line' runs from the structure to the right. A vertical line labeled 'Service Line' connects the structure to the distribution line. A 'Pressure Regulator' is shown on the service line. An arrow points to the downstream side of the pressure regulator, labeled 'Point of Demarcation'. The distribution line continues to the right, with arrows at both ends.</p>

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the down stream side of the gas meter	Gas meter downstream of pressure regulator on service line feeding the facility.	<p>The sketch shows a horizontal line representing the service line. On the left, a box labeled 'Structure' is connected to the line. Moving right, there is a 'Pressure Regulator' symbol, followed by a 'Meter' symbol. The 'Point of Demarcation' is indicated by a vertical line with an arrow pointing to the right, located immediately to the right of the meter. Above the line, 'Distribution Line' is labeled with an arrow pointing right, and 'Service Line' is labeled with an arrow pointing down. Below the line, 'Distribution Line' is labeled with an arrow pointing right.</p>
Point of demarcation is the down stream side of the pressure regulator.	Pressure regulator downstream of gas meter on service line feeding the facility.	<p>The sketch shows a horizontal line representing the service line. On the left, a box labeled 'Structure' is connected to the line. Moving right, there is a 'Meter' symbol, followed by a 'Pressure Regulator' symbol. The 'Point of Demarcation' is indicated by a vertical line with an arrow pointing to the right, located immediately to the right of the pressure regulator. Above the line, 'Distribution Line' is labeled with an arrow pointing right, and 'Service Line' is labeled with an arrow pointing down. Below the line, 'Distribution Line' is labeled with an arrow pointing right.</p>
Point of demarcation is the closest shutoff valve to the exterior of the building.	No meter or regulator exists at the facility.	<p>The sketch shows a horizontal line representing the service line. On the left, a box labeled 'Structure' is connected to the line. Moving right, there is a 'Shutoff Valve' symbol. The 'Point of Demarcation' is indicated by a vertical line with an arrow pointing to the right, located at the shutoff valve. Above the line, 'Distribution Line' is labeled with an arrow pointing right, and 'Service Line' is labeled with an arrow pointing down. Below the line, 'Distribution Line' is labeled with an arrow pointing right.</p>

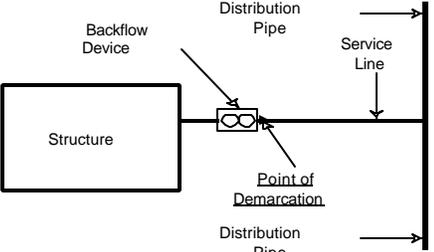
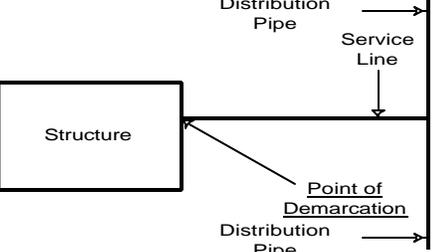
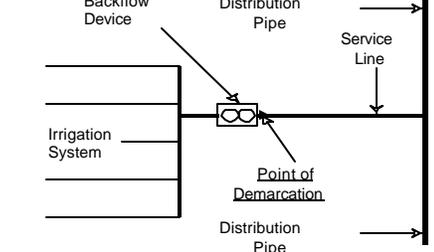
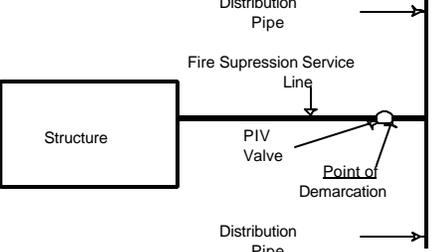
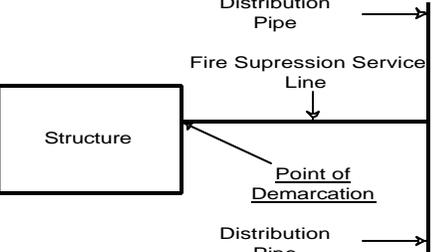
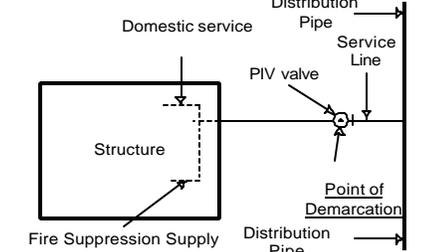
e. J56 Table, Natural gas distribution system Unique Points of Demarcation - replace as follows:

Building No.	Point of Demarcation Description
West Texas Gas, Inc Regulator Station	The beginning point of demarcation is the downstream flange fitting at the West Texas Gas, Inc regulator station. The ending point of demarcation is as defined by the appropriate case above. <i>Note: PG&E Texas supplies natural gas to Laughlin AFB through West Texas Gas, Inc. facilities</i>

f. J56 Table, Natural gas distribution system Plants and Towers - add note as follows: Note: Grantor retains access rights for Fire Department emergency response.

g. J56 Table, Water Distribution System Points of Demarcation - replace as follows:

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the downstream side of the water meter or service valve	Water meter or service valve is located on the service line entering the structure within 25 feet of the exterior of the structure.	<p>The sketch shows a horizontal line representing the service line. On the left, a box labeled 'Structure' is connected to the line. Moving right, there is a 'Water Meter' symbol. The 'Point of Demarcation' is indicated by a vertical line with an arrow pointing to the right, located immediately to the right of the water meter. Above the line, 'Distribution Pipe' is labeled with an arrow pointing right, and 'Service Line' is labeled with an arrow pointing down. Below the line, 'Distribution Pipe' is labeled with an arrow pointing right.</p>

Point of Demarcation	Applicable Scenario	Sketch
<p>Point of demarcation is the upstream side of the backflow device.</p>	<p>Backflow device is located on the service line entering the structure.</p>	 <p>The sketch shows a structure on the left and a vertical distribution pipe on the right. A horizontal service line connects them. A backflow device is installed on the service line, closer to the structure. The point of demarcation is indicated by a vertical line on the service line, upstream of the backflow device. Labels include: Structure, Backflow Device, Point of Demarcation, Distribution Pipe, and Service Line.</p>
<p>Point where the service line enters the structure</p> <p><i>Note: Service valve may be installed within 25 feet of the structure at any time. Downstream side of the Service valve will become the point of demarcation.</i></p>	<p>No water meter, backflow device, or valve exists on the service line entering the structure within 25 feet of the exterior of the structure.</p>	 <p>The sketch shows a structure on the left and a vertical distribution pipe on the right. A horizontal service line connects them, entering the structure. The point of demarcation is indicated by a vertical line at the entry point of the service line into the structure. Labels include: Structure, Point of Demarcation, Distribution Pipe, and Service Line.</p>
<p>Point of demarcation is the upstream side of the backflow device.</p>	<p>Irrigation system fed directly from distribution system.</p>	 <p>The sketch shows an irrigation system on the left and a vertical distribution pipe on the right. A horizontal service line connects them. A backflow device is installed on the service line, closer to the irrigation system. The point of demarcation is indicated by a vertical line on the service line, upstream of the backflow device. Labels include: Irrigation System, Backflow Device, Point of Demarcation, Distribution Pipe, and Service Line.</p>
<p>Point of demarcation is the upstream side of the PIV.</p>	<p>Fire suppression system on dedicated feed from water main.</p>	 <p>The sketch shows a structure on the left and a vertical distribution pipe on the right. A horizontal fire suppression service line connects them. A PIV valve is installed on the service line, closer to the structure. The point of demarcation is indicated by a vertical line on the service line, upstream of the PIV valve. Labels include: Structure, Fire Suppression Service Line, PIV Valve, Point of Demarcation, Distribution Pipe, and Service Line.</p>
<p>Point of demarcation is where the service enters the building.</p> <p><i>Note: Service valve may be installed within 25 feet of the structure at any time. Downstream side of the Service valve will become the point of demarcation.</i></p>	<p>Fire suppression system on dedicated feed from water main with no PIV and service valve is greater than 25' from structure.</p>	 <p>The sketch shows a structure on the left and a vertical distribution pipe on the right. A horizontal fire suppression service line connects them. A service valve is installed on the service line, closer to the structure. The point of demarcation is indicated by a vertical line at the service valve. Labels include: Structure, Fire Suppression Service Line, Point of Demarcation, Distribution Pipe, and Service Line.</p>
<p>Point of demarcation is the upstream side of the PIV valve.</p>	<p>Fire suppression system on the same feed as domestic service from water main and service line has PIV valve.</p>	 <p>The sketch shows a structure on the left and a vertical distribution pipe on the right. A horizontal service line connects them. A PIV valve is installed on the service line, closer to the structure. The point of demarcation is indicated by a vertical line on the service line, upstream of the PIV valve. Labels include: Structure, Fire Suppression Supply, PIV valve, Point of Demarcation, Distribution Pipe, and Service Line.</p>

Point of Demarcation	Applicable Scenario	Sketch
<p>Point of demarcation is where the service enters the building.</p> <p><i>Note: Service valve may be installed within 25 feet of the structure at any time. Service valve will become the point of demarcation.</i></p>	<p>Fire suppression system on the same feed as domestic service from water main and service line does not have PIV valve or service valve within 25' of structure.</p>	<p>The sketch shows a rectangular structure. To its left, a 'Fire Suppression Supply' line enters the structure. To its right, a 'Service Line' enters the structure. A 'Service valve' is located on the service line. Above the structure, a 'Distribution Pipe' is shown with arrows pointing towards the structure. Below the structure, another 'Distribution Pipe' is shown with arrows pointing away from the structure. A dashed line indicates the 'Points of Demarcation' at the structure's perimeter.</p>

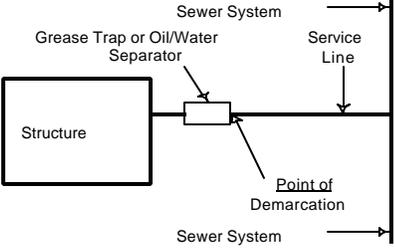
h. J56 Table, Water distribution system Unique Points of Demarcation - replace as follows:

Building No.	Point of Demarcation Description
San Felipe Springs Pump Station	The point of demarcation for the water supply line at the San Felipe pumping facility is the downstream side of the gate valve of the connection for the government's and city's pumps. Contractor shall own and maintain all equipment and piping from this point to the East including the pumps and the water system pipe line to the base.
San Felipe Springs Pump Station	The point of demarcation for the electrical supply at the San Felipe Springs pumping facility is the weatherhead on the structure. The Contractor shall own and maintain all switchgears, ductbanks panels, pump motors, and control systems. The contractor shall also own and maintain all equipment (generators, motors etc.) for the backup electrical power supply. <i>Note: Control system includes all equipment required to support the control system such as fiber optic cable between San Felipe Springs and the base, flow indicators, pressure sensors, and tank level indicators at both San Felipe Springs and Facilities 2027 and 2028.</i>
2027 and 2028	The point of demarcation at Facilities 2027 and 2028 is the secondary terminal spade of the pad mount transformer. The Contractor shall own and maintain the structures and all utilities and equipment, at these base facilities. Included in the purchase is the 600 kw standby generator unit and fuel tank, and ancillary fixed equipment, including refueling of the standby generator.

i. J56 Table, Water distribution system Plants and Towers - add note as follows: Note: Grantor retains access rights for Fire Department emergency response.

j. J56 Table, Wastewater Collection System Points of Demarcation - replace as follows:

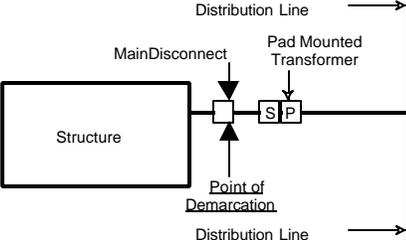
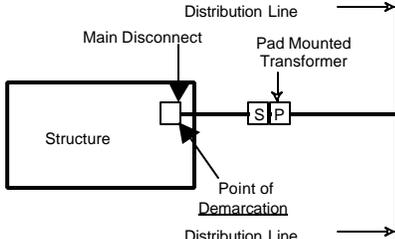
Point of Demarcation	Applicable Scenario	Sketch
<p>Point of demarcation is the upstream side of cleanout device. if within 10' of the building perimeter</p>	<p>No flow meter exists and a wastewater system cleanout is located within 10 feet of the building perimeter on the service line.</p>	<p>The sketch shows a rectangular structure. To its right, a 'Service Line' enters the structure. A 'Pipe Cleanout' is located on the service line. A 'Point of Demarcation' is indicated at the cleanout device. Above the structure, a 'Sewer System' line is shown with an arrow pointing towards the structure. Below the structure, another 'Sewer System' line is shown with an arrow pointing away from the structure.</p>
<p>Point of demarcation is where the service line exits the structure.</p> <p><i>Note: A new cleanout device should be installed within 10' of building during any stoppage or maintenance action. The upstream side of cleanout device will then become the new point of</i></p>	<p>No flow meter or cleanout exists on the service line exiting the structure.</p>	<p>The sketch shows a rectangular structure. To its right, a 'Service Line' exits the structure. A 'Point of Demarcation' is indicated at the structure's perimeter. Above the structure, a 'Sewer System' line is shown with an arrow pointing towards the structure. Below the structure, another 'Sewer System' line is shown with an arrow pointing away from the structure.</p>

Point of Demarcation	Applicable Scenario	Sketch
<i>demarcation.</i>		
Point of demarcation is the downstream side of grease trap or oil/water separator.	Grease trap or Oil/water separator	

k. J56 Table, Wastewater Collection System Plants - add note as follows: Note: Grantor retains access rights for Fire Department emergency response.

Attachment J57 ROW Exhibits A through D for Randolph AFB (Electric, Natural Gas, Water, and Wastewater)

a. J57 Table, Electric Distribution System Points of Demarcation - replace as follows:

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the line side of the main disconnect.	Three Phase CT metered service.	
Point of demarcation is the line side of the main disconnect.	Three Phase CT metered service.	

Point of Demarcation	Applicable Scenario	Sketch
<p>Point of demarcation is the secondary side of the meter or the line side of the disconnect or junction box.</p> <p><i>Note: The government retains ownership of the weatherhead, conduit, and if present meter housing.</i></p>	<p>Service may be overhead or underground. A meter, disconnect switch, or junction box is mounted to the exterior of the structure.</p>	

b. J57 Table, Electric distribution system Unique Points of Demarcation - replace as follows:

Location	Point of Demarcation Description
Airfield Lighting	The point of demarcation for airfield lighting is the line side of the disconnect switch in the building or vault (Bldg. Nos. 27 and 54) housing the airfield lighting equipment.
Pole mounted Recreational, Parking, Ramp and Security lighting fed from buildings.	The beginning point of demarcation for lighting fed from a building is the main panel in the building. All appurtenances from the main panel to and including the fixture are included in the purchase. <i>Note: Disconnect switch may be installed at the structure at any time. Disconnect switch will become the point of demarcation.</i> (This includes lightening associated with 8, 26, 38, 46, 58, 102, 112, 146, 153, 162, 172, 174, 179, 224, 260, 388, 390, 391, 392, 393, 394, 397, 496, 498, 499, 573, 584, 598, 672, 685, 686, 693, 729, 734, 735, 743, 745, 747, 777, 847, 853, 856, 860, 862, 864, 870, 871, 893, 897, 900, 983, 977, 990, 1001, 1003, 1005, 1007, 1009, 1012, 1016, 1019, 1020, 1027, 1038, 1039, 1040, 1042, 1051, 1071, 1072, 1073, 1075, 1100, 1101, 1102, 1103, 1124, 1146, 1164, 1168, 1187, 1200, 1224, 1279, 1282, 1285, 1300, 1307, 2002, 2031, 2042, 2078, 2080, 2084, 2115, 2116, 2113, 2143, 2146, 2148, 2162, 2170, 2186, 2201, 2214, 3002, 3003, 15038, H40, H42, H44) <i>Note: All pole mounted lighting feed directly from transformers is included in the privatized system.</i>
Pedestrian Crossing Signal Light Systems	Pedestrian Crossing signal lights are included in the privatization. This includes all appurtenances to and including the lighting and controls.
Emergency Warning Sirens fed directly from transformers	The point of demarcation for Emergency Warning Sirens will be the disconnect switch closest to the siren. Sirens will be owned and maintained by others.
Cathodic protection rectifiers fed from buildings.	The beginning point of demarcation is the main panel in the building. The ending point of demarcation will be the disconnect switch closest to the rectifier. Rectifiers will be owned and maintained by others. <i>Note: Disconnect switch may be installed at any time. Disconnect switch will become the point of demarcation.</i>
Building 100	The point of demarcation is the line side of the motor control center. <i>Note: Disconnect switch may be installed at the structure at any time. Disconnect switch will become the point of demarcation.</i>
State Owned Traffic Lights on State Hwy 78.	The point of demarcation is the disconnect switch in the vault that supplies power to the traffic lighting system.
Air Force owned Traffic Lights	Air Force owned traffic lights are included in the privatization. This includes all appurtenances to and including the lighting, controls, and sensors.
Airport Beacon Lights on buildings or water towers	The point of demarcation is the disconnect switch that supplies power to the airport beacon lights.
Cable TV amplifiers fed directly from transformers, street lighting, or security lighting.	For connections from the electric distribution system to Cable TV amplifiers, the cable service provider and the privatization contractor will establish the points of demarcation.

c. J57 Table, Electric distribution system Plants and Substations - replace as follows:

Description	Facility Number	State Coordinates	Other Information
Main Substation Switching Station	1027		Northern portion of the Base
South Switching Station	847		
North Switching Station	261		Next to Bldg. 260

Description	Facility Number	State Coordinates	Other Information
East Switching Station	573		
West Switching Station	672		

Note: Grantor retains access rights for Fire Department emergency response.

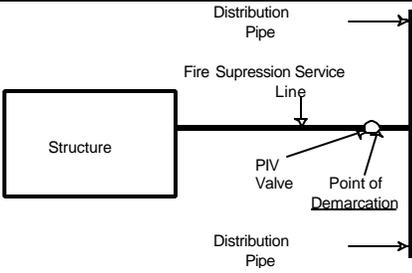
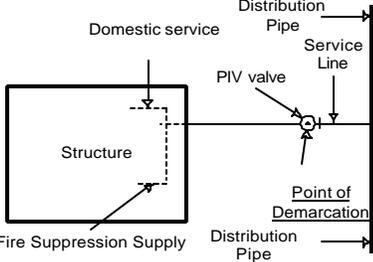
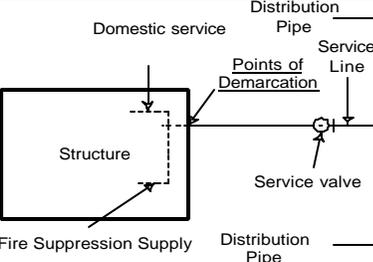
d. J57 Table, Natural Gas Distribution System Points of Demarcation - replace as follows:

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the down stream side of the pressure regulator.	Natural gas service to the building is regulated but not metered.	
Point of demarcation is the down stream side of the closest apparatus to the exterior of the facility	More than one apparatus is connected to the service line feeding the facility.	

e. J57 Table, Natural Gas Distribution System Table for Plants - add note as follows: Note: Grantor retains access rights for Fire Department emergency response.

f. J57 Table, Water Distribution System Points of Demarcation - replace as follows:

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is where the service line enters the structure <i>Note: Service valve shall be installed within 25 feet of the structure during any maintenance action by the Contractor. Service valve will become the point of demarcation.</i>	No water meter, backflow device, or valve exists on the service line entering the structure.	
Point of demarcation is the upstream side of the backflow device.	Irrigation system fed directly from distribution system.	

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the upstream side of the PIV valve.	Fire suppression system on dedicated feed from water main.	
Point of demarcation is the upstream side of the PIV valve.	Fire suppression system on the same feed as domestic service from water main and service line has PIV valve.	
Point of demarcation is where the service enters the building. <i>Note: Service valve may be installed within 25 feet of the structure at any time. Service valve will become the point of demarcation.</i>	Fire suppression system on the same feed as domestic service from water main and service line does not have PIV valve.	

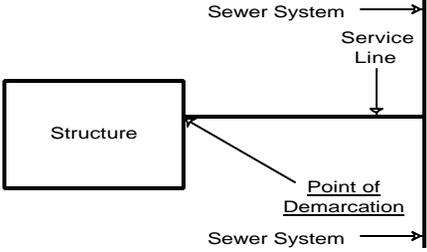
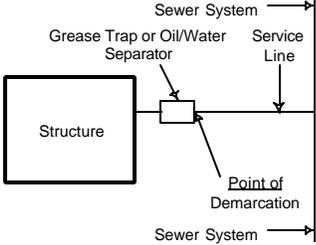
g. J57 Table, Water distribution system Unique Points of Demarcation - replace as follows:

Location.	Point of Demarcation Description
Building 1200	Point of Demarcation is the main disconnect switch for the building. The Backup generator is included in the purchase of this utility.
Water Towers	Beginning Point of demarcation is the main building control panel or disconnect switch. The ending points of demarcation are the disconnect switch for the airport beacon lighting and the telephone jack for the telemetry system. Cathodic protection rectifiers, obstruction lighting, and telemetry system (used to control well pumps) connected to water towers is included in the purchase of the utility.
Water Supply Pump Stations	Water supply pump building is included in the privatization. This includes all fixtures within the building.

h. J57 Table, Water Distribution System Table for Plants and Towers - add note as follows:

Note: Grantor retains access rights for Fire Department emergency response.

i. J57 Table, Wastewater Collection System Points of Demarcation - replace as follows:

Point of Demarcation	Applicable Scenario	Sketch
Point of Demarcation is where the service line exits the structure <i>Note: A new 2-way cleanout device should be installed within 25' of building during any stoppage or maintenance action by the Contractor. This will then become the new point of demarcation.</i>	No flow meter or cleanout exists on the service line exiting the structure.	
Point of Demarcation is the downstream side of grease trap or oil/water separator.	Grease trap or oil/water separator exists	

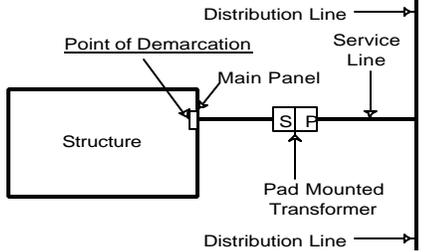
j. J57 Table, Wastewater collection system Unique Points of Demarcation - replace as follows:

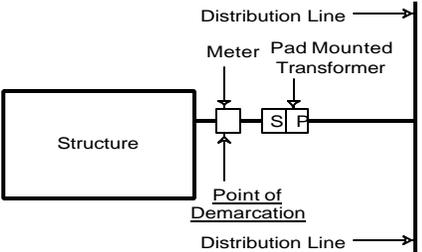
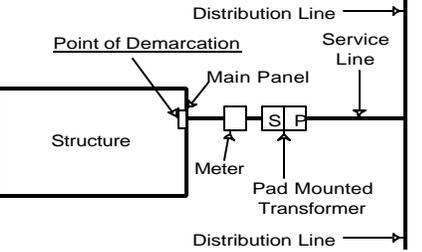
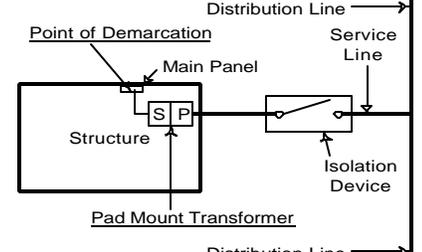
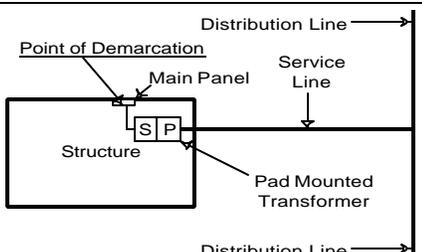
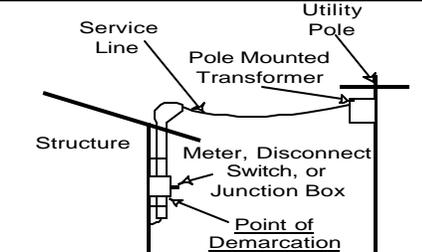
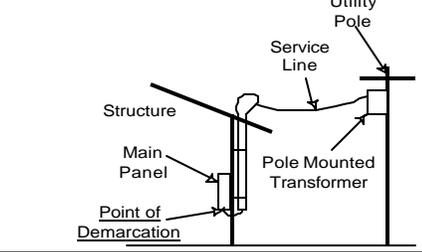
Building No.	Point of Demarcation Description
Golf Course Wash rack and Holding Basin	Point of demarcation is the inlet to the grinding pumps on the downstream side of the holding basin
Sanitary sewer lift station electrical supply.	The point of demarcation is from the line side of disconnect switch for lift station.

k. J57 Table, Wastewater Collection System Table for Plants - add note as follows: Note: Grantor retains access rights for Fire Department emergency response.

Attachment J58 ROW Exhibits A through D for Sheppard AFB (Electric, Natural Gas, Water, and Wastewater)

a. J58 Table, Electric Distribution System Points of Demarcation - replace as follows:

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the line side of the main panel in the structure. <i>Note: Disconnect switch may be installed at the structure at any time. Disconnect switch will become the point of demarcation.</i>	Pad Mounted Transformer located outside of structure with underground service to the structure and no meter exists.	

Point of Demarcation	Applicable Scenario	Sketch
<p>Down current side of the meter</p>	<p>Residential service (less than 200 amps and 240V 1-Phase), and three phase self contained meter installations. Electric Meter exists within five feet of the exterior of the building on an underground secondary line.</p>	 <p>The sketch shows a 'Structure' on the left. A 'Distribution Line' enters from the right, passes through a 'Meter' and a 'Pad Mounted Transformer' (labeled 'S' and 'F' respectively), and then enters the structure. The 'Point of Demarcation' is indicated by a vertical line between the meter and the transformer.</p>
<p>Point of demarcation is the line side of the main panel in the structure.</p> <p><i>Note: Disconnect switch may be installed at the structure at any time. Disconnect switch will become the point of demarcation.</i></p>	<p>Three Phase CT metered service.</p>	 <p>The sketch shows a 'Structure' on the left. A 'Distribution Line' enters from the right, passes through a 'Main Panel' (labeled 'S' and 'F'), a 'Meter', and a 'Pad Mounted Transformer'. The 'Point of Demarcation' is indicated by a vertical line at the main panel.</p>
<p>Point of demarcation is the line side of the main panel in the structure.</p>	<p>Transformer located inside of structure and an isolation device is in place with or without a meter</p> <p><i>Note: Utility Owner must be granted 24-hour access to transformer room.</i></p>	 <p>The sketch shows a 'Structure' on the left. A 'Pad Mount Transformer' (labeled 'S' and 'P') is located inside the structure. A 'Main Panel' is also inside. A 'Service Line' enters from the right, passes through an 'Isolation Device', and then enters the structure. The 'Point of Demarcation' is indicated by a vertical line at the main panel.</p>
<p>Point of demarcation is the line side of the main panel in the structure.</p>	<p>Transformer located inside of structure with no isolation device in place.</p> <p><i>Note: Utility Owner must be granted 24-hour access to transformer room.</i></p>	 <p>The sketch shows a 'Structure' on the left. A 'Pad Mounted Transformer' (labeled 'S' and 'P') is located inside the structure. A 'Main Panel' is also inside. A 'Service Line' enters from the right and enters the structure. The 'Point of Demarcation' is indicated by a vertical line at the main panel.</p>
<p>Point of demarcation is the secondary side of the meter or the line side of the disconnect or junction box.</p> <p><i>Note: The government retains ownership of the weatherhead, conduit, and if present meter housing</i></p>	<p>Service maybe Three Phase CT or Residential. Electric meter, disconnect, or junction box is connected to the exterior of the building on an overhead secondary line.</p>	 <p>The sketch shows a 'Structure' on the left. A 'Service Line' enters from the top left, passes through a 'Meter, Disconnect Switch, or Junction Box' on the exterior, and then enters the structure. A 'Pole Mounted Transformer' is on a 'Utility Pole' to the right. The 'Point of Demarcation' is indicated by a vertical line at the meter/disconnect.</p>
<p>Point of demarcation is the line side of the main panel in the structure.</p> <p><i>Note: Disconnect switch may be installed at any time. Disconnect switch will become the point of demarcation.</i></p>	<p>Pole Mounted Transformer located outside of structure with secondary attached to outside of structure with no meter.</p>	 <p>The sketch shows a 'Structure' on the left. A 'Pole Mounted Transformer' is on a 'Utility Pole' to the right. A 'Service Line' enters from the top right, passes through the transformer, and then enters the structure. A 'Main Panel' is inside the structure. The 'Point of Demarcation' is indicated by a vertical line at the main panel.</p>

b. J58 Table, Electric Distribution System Unique Points of Demarcation - replace as follows:

Building No.	Point of Demarcation Description
Airfield Lighting	The point of demarcation for airfield lighting is the line side of the disconnect switch in the building or vault housing the airfield lighting equipment.
Cable TV amplifiers fed directly from transformers	For connections from the electric distribution system to Cable TV amplifiers, the cable service provider and the privatization contractor will establish the points of demarcation.
Emergency Warning Sirens fed directly from transformers	The point of demarcation for Emergency Warning Sirens will be the disconnect switch closest to the siren. Sirens will be owned and maintained by others.
Airport Beacon Lights on buildings or water towers	The point of demarcation is the disconnect switch that supplies power to the airport beacon lights.
Air Force owned Traffic Signals	Air Force owned traffic signals are included in the privatization. This includes all appurtenances to and including the lights, controls, poles, and sensors.

c. J58 Table, Electric Distribution System for Plants and Substations - add note as follows:

Note: Grantor retains access rights for Fire Department emergency response.

d. J58 Table, Natural Gas Distribution System Points of Demarcation - replace as follows:

Point of Demarcation	Applicable Scenario	Sketch
The point of demarcation is the down stream side of the natural gas meter.	Natural gas service to the building is metered.	
The point of demarcation is the down stream side of the pressure regulator.	Natural gas service to the building is regulated but not metered.	
Point of demarcation is the down stream side of the gas meter.	Gas meter downstream of pressure regulator on service line feeding the facility.	

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the down stream side of the pressure regulator.	Pressure regulator downstream of gas meter on service line feeding the facility.	
Point of demarcation is the closest shutoff valve to the exterior of the building.	No meter or regulator exists at the facility.	

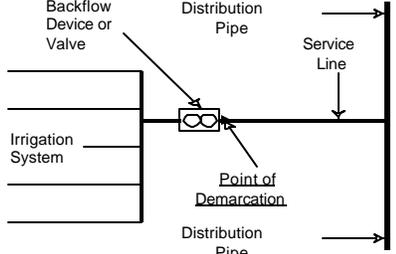
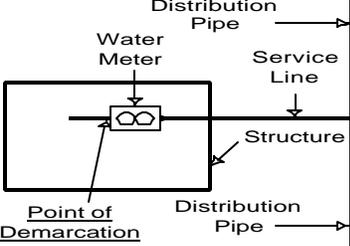
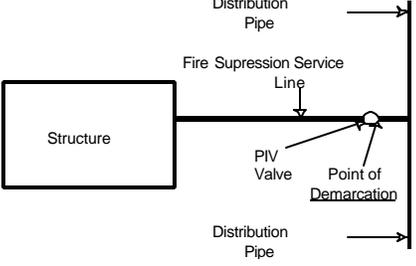
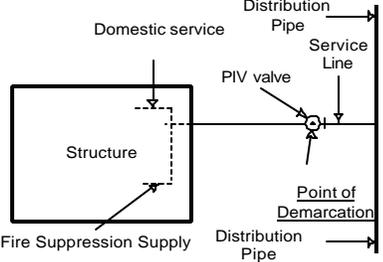
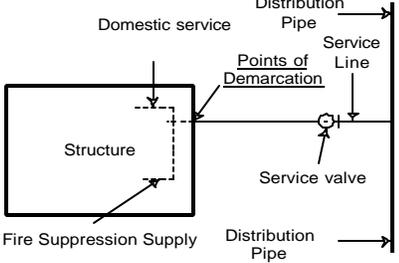
e. J58 Table, Natural Gas Distribution System Table for Plants - add note as follows: Note: Grantor retains access rights for Fire Department emergency response.

f. J58 Part 3 - Exhibit B - replace paragraph as follows:

The water distribution system at Sheppard AFB may be composed of wells, well pumps, supporting emergency generator sets, water treatment equipment, chlorinators, water distribution mains, meters, booster station pumps, storage tanks, reservoirs, cathodic protection systems, all related electrical controls, and computer hardware and software used to operate and control the production and delivery of water throughout the water distribution system.

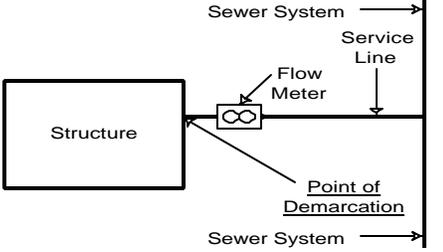
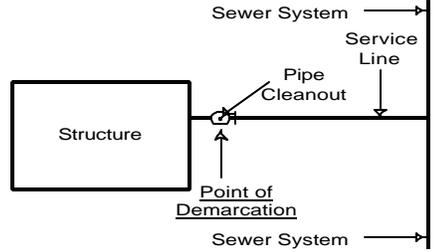
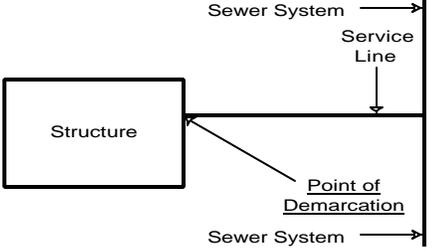
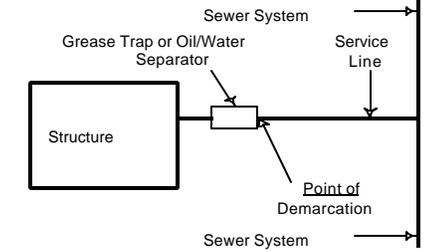
g. J58 Table, Water Distribution System Points of Demarcation - replace as follows:

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the downstream side of the Water Meter or Valve (closest apparatus to the exterior of the structure)	Water meter or valve is located on the service line entering the structure within 25 feet of the exterior of the structure.	
Point where the service line enters the structure. <i>Note: Service valve may be installed within 25 feet of the structure at any time. Downstream side of the Service valve will become the point of demarcation.</i>	No water meter, backflow device, or valve exists on the service line entering the structure within 25 feet of the exterior of the structure.	

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the upstream side of the backflow device.	Irrigation system fed directly from distribution system.	
Point of demarcation is the downstream side of the Water Meter.	Water meter is located on the service line entering the structure within the structure.	
Point of demarcation is the upstream side of the PIV valve.	Fire suppression system on dedicated feed from water main.	
Point of demarcation is the upstream side of the PIV valve.	Fire suppression system on the same feed as domestic service from water main and service line has PIV valve.	
Point of demarcation is where the service enters the building. <i>Note: Service valve may be installed within 25 feet of the structure at any time. Service valve will become the point of demarcation.</i>	Fire suppression system on the same feed as domestic service from water main and service line does not have PIV valve or service valve within 25 feet of structure.	

h. J58 Table, Water Distribution System Table for Plants and Towers - add note as follows:
Note: Grantor retains access rights for Fire Department emergency response.

i. J58 Table, Wastewater Collection System Points of Demarcation - replace as follows:

Point of Demarcation	Applicable Scenario	Sketch
<p>Point where the service line exits the structure</p> <p><i>Note: A new cleanout device should be installed within 25' of building during any stoppage or maintenance action. The downstream side of the cleanout device will then become the new point of demarcation.</i></p>	<p>Wastewater system flow meter is located on the service line exiting the structure.</p>	 <p>The sketch shows a rectangular box labeled 'Structure' on the left. A horizontal line representing the 'Service Line' extends to the right from the structure. On this line, there is a circular symbol with an infinity-like symbol inside, labeled 'Flow Meter'. To the right of the flow meter, the line continues to a vertical line representing the 'Sewer System'. The 'Point of Demarcation' is indicated by a vertical line and an arrow pointing to the service line between the flow meter and the sewer system. Arrows labeled 'Sewer System' point to the right at the top and bottom of the vertical line.</p>
<p>Point of demarcation is the downstream side of the cleanout device.</p>	<p>No flow meter exists and a wastewater system cleanout is located within 25 feet of the building perimeter on the service line exiting the structure.</p>	 <p>The sketch shows a rectangular box labeled 'Structure' on the left. A horizontal line representing the 'Service Line' extends to the right from the structure. On this line, there is a circular symbol with a vertical line through it, labeled 'Pipe Cleanout'. To the right of the cleanout, the line continues to a vertical line representing the 'Sewer System'. The 'Point of Demarcation' is indicated by a vertical line and an arrow pointing to the service line between the pipe cleanout and the sewer system. Arrows labeled 'Sewer System' point to the right at the top and bottom of the vertical line.</p>
<p>Point where the service line exits the structure</p> <p><i>Note: A new cleanout device should be installed within 25' of building during any stoppage or maintenance action. The downstream side of the cleanout device will then become the new point of demarcation.</i></p>	<p>No flow meter or cleanout exists within 25 feet of the building perimeter on the service line exiting the structure.</p>	 <p>The sketch shows a rectangular box labeled 'Structure' on the left. A horizontal line representing the 'Service Line' extends to the right from the structure. The line continues to a vertical line representing the 'Sewer System'. The 'Point of Demarcation' is indicated by a vertical line and an arrow pointing to the service line at the point where it exits the structure. Arrows labeled 'Sewer System' point to the right at the top and bottom of the vertical line.</p>
<p>Point of demarcation is the downstream side of grease trap or oil/water separator.</p>	<p>Grease trap or Oil/water separator</p>	 <p>The sketch shows a rectangular box labeled 'Structure' on the left. A horizontal line representing the 'Service Line' extends to the right from the structure. On this line, there is a rectangular box labeled 'Grease Trap or Oil/Water Separator'. To the right of the separator, the line continues to a vertical line representing the 'Sewer System'. The 'Point of Demarcation' is indicated by a vertical line and an arrow pointing to the service line between the separator and the sewer system. Arrows labeled 'Sewer System' point to the right at the top and bottom of the vertical line.</p>

j. J58 Table, Wastewater Collection System Table for Plants - add note as follows: Note: Grantor retains access rights for Fire Department emergency response.

Attachment J59 ROW Exhibits A through D for Ellington Field ANGB (Electric, Natural Gas, Water, and Wastewater)

a. J59 Table, Electric Distribution System Points of Demarcation - replace as follows:

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the transformer secondary terminal spade.	Pad Mounted Transformer located outside of structure with underground service to the structure and no meter exists.	
Point of demarcation is the transformer secondary terminal spade.	Three Phase CT metered service.	
Secondary terminal of the transformer inside of the structure	Transformer located inside of structure with no isolation device in place. Note: Utility Owner must be granted 24-hour access to transformer room.	
Point of demarcation is the point where the overhead conductor is connected to the weatherhead. <i>Note: Contractor shall own and maintain the meter.</i>	Electric meter is connected to the exterior of the building on an overhead secondary line.	
Point of demarcation is the point where the overhead conductor is connected to the weatherhead.	Pole Mounted Transformer located outside of structure with secondary attached to outside of structure with no meter.	

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the point where the overhead conductor is connected to the weatherhead.	Service may be overhead or underground. A disconnect switch or junction box is mounted to the exterior of the structure with no meter.	

b. J59 Table, Electric Distribution System Unique Points of Demarcation - replace as follows:

Building No.	Point of Demarcation Description
Airfield Lighting	The point of demarcation for airfield lighting is the line side of the disconnect switch in the building or vault housing the airfield lighting equipment.
Emergency Warning Sirens fed directly from transformers	The point of demarcation for Emergency Warning Sirens will be the disconnect switch closest to the siren. Sirens will be owned and maintained by others.
Airport Beacon Lights on buildings	The point of demarcation is the disconnect switch that supplies power to the airport beacon lights.
Sanitary sewer lift stations fed directly from transformers	The point of demarcation is the control panel for the lift station.

c. J59 Table, Natural Gas Distribution System Points of Demarcation - replace as follows:

Point of Demarcation	Applicable Scenario	Sketch
The point of demarcation is the down stream side of the natural gas meter.	Natural gas service to the building is metered.	
The point of demarcation is the down stream side of the pressure regulator.	Natural gas service to the building is regulated but not metered.	
Point of demarcation is the down stream side of the gas meter.	Gas meter downstream of pressure regulator on service line feeding the facility.	

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the down stream side of the pressure regulator.	Pressure regulator downstream of gas meter on service line feeding the facility.	
Point of demarcation is the closest shutoff valve to the exterior of the building.	No meter or regulator exists at the facility.	

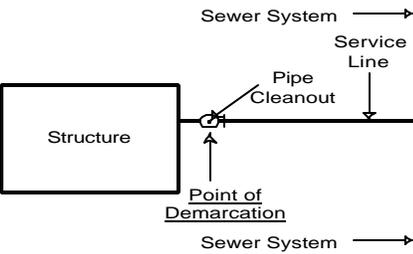
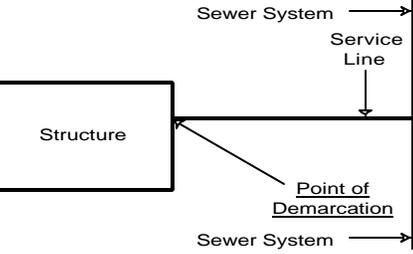
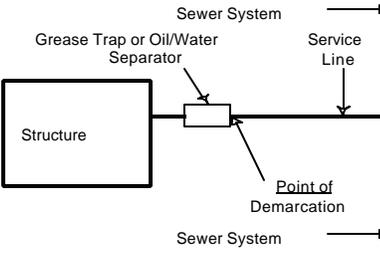
d. J59 Table, Water Distribution System Points of Demarcation - replace as follows:

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the downstream side of the Water Meter or Valve (closest apparatus to the exterior of the structure)	Water meter or valve is located on the service line entering the structure within 25 feet of the exterior of the structure.	
Point where the service line enters the structure. <i>Note: Service valve may be installed within 25 feet of the structure at any time. Downstream side of the Service valve will become the point of demarcation.</i>	No water meter, backflow device, or valve exists on the service line entering the structure within 25 feet of the exterior of the structure.	
Point of demarcation is the upstream side of the backflow device.	Irrigation system fed directly from distribution system.	

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the downstream side of the Water Meter.	Water meter is located on the service line entering the structure.	<p>The sketch shows a vertical distribution pipe on the right. A horizontal service line enters a rectangular structure from the right. A water meter is installed on this service line inside the structure. The point of demarcation is marked with a vertical line on the service line immediately downstream of the water meter.</p>
Point of demarcation is the upstream side of the PIV valve.	Fire suppression system on dedicated feed from water main.	<p>The sketch shows a vertical distribution pipe on the right. A horizontal fire suppression service line enters a rectangular structure from the right. A PIV valve is located on this service line. The point of demarcation is marked with a vertical line on the service line immediately upstream of the PIV valve.</p>
Point of demarcation is the upstream side of the PIV valve.	Fire suppression system on the same feed as domestic service from water main and service line has PIV valve.	<p>The sketch shows a vertical distribution pipe on the right. A horizontal service line enters a rectangular structure from the right. A PIV valve is located on this service line. The point of demarcation is marked with a vertical line on the service line immediately upstream of the PIV valve. A dashed line indicates the fire suppression supply area within the structure.</p>
Point of demarcation is where the service enters the building. <i>Note: Service valve may be installed within 25 feet of the structure at any time. Service valve will become the point of demarcation.</i>	Fire suppression system on the same feed as domestic service from water main and service line does not have PIV valve or service valve within 25 feet of structure.	<p>The sketch shows a vertical distribution pipe on the right. A horizontal service line enters a rectangular structure from the right. A service valve is located on this service line. The point of demarcation is marked with a vertical line on the service line immediately upstream of the service valve. A dashed line indicates the fire suppression supply area within the structure.</p>

e. J59 Table, Wastewater Collection System Points of Demarcation - replace as follows:

Point of Demarcation	Applicable Scenario	Sketch
Point where the service line exits the structure <i>Note: A new cleanout device should be installed within 25' of building during any stoppage or maintenance action. The downstream side of the cleanout device will then become the new point of demarcation.</i>	Wastewater system flow meter is located on the service line exiting the structure.	<p>The sketch shows a rectangular structure on the left. A horizontal service line exits the structure to the right. A flow meter is installed on this service line. The point of demarcation is marked with a vertical line on the service line immediately downstream of the structure.</p>

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the downstream side of the cleanout device.	No flow meter exists and a wastewater system cleanout is located within 25 feet of the building perimeter on the service line exiting the structure.	
Point where the service line exits the structure <i>Note: A new cleanout device should be installed within 25' of building during any stoppage or maintenance action. The downstream side of the cleanout device will then become the new point of demarcation.</i>	No flow meter or cleanout exists within 25 feet of the building perimeter on the service line exiting the structure.	
Point of demarcation is the downstream side of grease trap or oil/water separator.	Grease trap or Oil/water separator	

f. J59 Table, Wastewater Collection System Unique Points of Demarcation - replace as follows:

Building No.	Point of Demarcation Description
Sanitary sewer lift station electrical supply	The point of demarcation is from the line side of the control panel for the lift station.
Connection to Public Sanitary Sewer System	The point of demarcation is where the wastewater collection system exits the base boundary.