

ATTACHMENT J55

Lackland AFB ROW Exhibits

This attachment includes the exhibits (A through D) for the Grant of Right-of-Way (Attachment J51) and specific to the utility systems on Lackland AFB. This attachment is divided into four parts specific to each type of utility system (i.e. electric, natural gas, water, and wastewater). Each part includes the Grant of Right-of-Way exhibits specific to a utility system. The exhibits provide descriptive information for the utility system Right-of-Way. The exhibits are; Exhibit A (maps), Exhibit B (points of demarcations), Exhibit C (physical condition reports), and Exhibit D (environmental baseline survey).

The four parts of this attachment are:

- Part 1 - Electric Distribution System Exhibits A through D
- Part 2 - Natural Gas Distribution System Exhibits A through D
- Part 3 - Water Distribution System Exhibits A through D
- Part 4 - Wastewater Collection System Exhibits A through D

PART 1, EXHIBIT A

Lackland AFB Electric System Maps

Maps are available, by request to the PCO, in Microstation format on CD. The following files are included on the CD entitled "*Lackland Air Force Base Electric Utility System.*"

- lac-elec.dlv
- Lack98br.mst
- LACKEXST.MST
- lkelec.dgn
- readme3.doc

PART 1, EXHIBIT B

Lackland AFB Electric System Description of Premises

Electric Distribution System Description

The electric distribution system at Lackland AFB may be composed of substations with outdoor switchgear, overhead and underground conductors, utility poles, duct lines, raceways, manholes, pad-mount and pole-mount transformers, transformer pads, meters, and instrumentation related to metering of electricity delivered to end users throughout the Base.

Electric Distribution System Rights-Of-Way

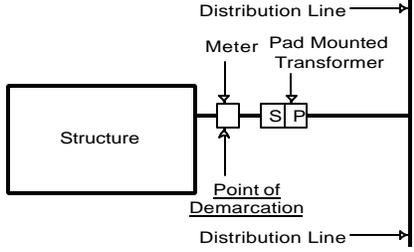
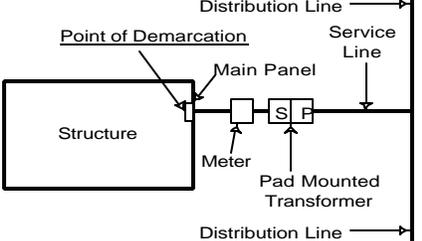
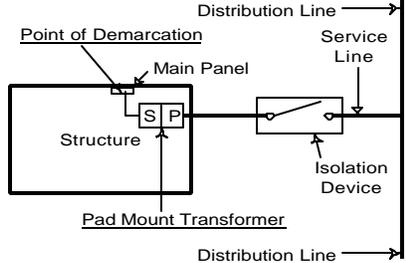
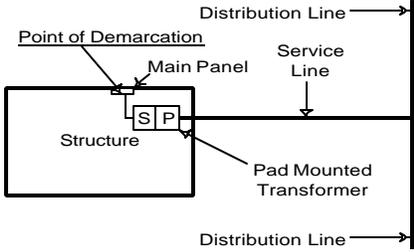
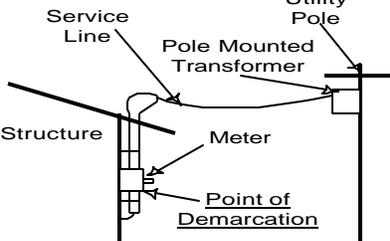
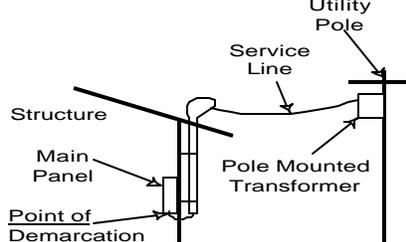
Where the utility is installed overhead, a 26-foot-wide right-of-way extending 13 feet on each side of the utility, as installed.

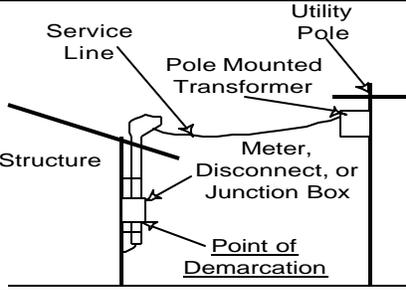
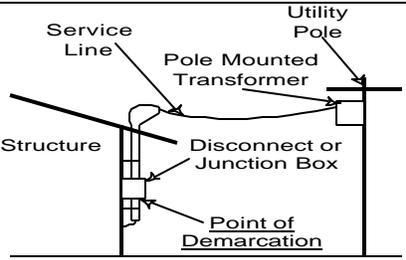
Where the utility is installed underground, a 26-foot-wide right-of-way extending 13 feet on each side of the utility, as installed.

Electric Distribution System Points of Demarcation

The point of demarcation is defined as the point on the distribution system where ownership changes from the utility owner to the building owner. This point of demarcation will typically be at the point the utility enters a building structure or the load side of a transformer within a building structure. The table below identifies the type and general location of the point of demarcation with respect to the building for each scenario.

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>	

Point of Demarcation	Applicable Scenario	Sketch
<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 meter is connected to the structure. To the right of the meter is a switch labeled 'S' and a pad-mounted transformer labeled 'P'. A horizontal line representing the 'Point of Demarcation' is drawn between the meter and the switch. A 'Distribution Line' is shown above and below the structure, with arrows pointing towards the structure. A 'Service Line' is shown on the right, connecting to 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 meter is connected to the structure. To the right of the meter is a switch labeled 'S' and a pad-mounted transformer labeled 'P'. A horizontal line representing the 'Point of Demarcation' is drawn between the structure and the meter. A 'Distribution Line' is shown above and below the structure, with arrows pointing towards the structure. A 'Service Line' is shown on the right, connecting to the transformer.</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 meter is connected to the structure. To the right of the meter is a switch labeled 'S' and a pad-mounted transformer labeled 'P'. A horizontal line representing the 'Point of Demarcation' is drawn between the structure and the meter. A 'Distribution Line' is shown above and below the structure, with arrows pointing towards the structure. A 'Service Line' is shown on the right, connecting to the transformer. An 'Isolation Device' is shown between the transformer and the structure.</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 meter is connected to the structure. To the right of the meter is a switch labeled 'S' and a pad-mounted transformer labeled 'P'. A horizontal line representing the 'Point of Demarcation' is drawn between the structure and the meter. A 'Distribution Line' is shown above and below the structure, with arrows pointing towards the structure. A 'Service Line' is shown on the right, connecting to the transformer.</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>The sketch shows a structure on the left. A meter is connected to the structure. To the right of the meter is a switch labeled 'S' and a pole-mounted transformer labeled 'P'. A horizontal line representing the 'Point of Demarcation' is drawn between the meter and the switch. A 'Service Line' is shown above the structure, connecting to the transformer. A 'Utility Pole' is shown on the right, supporting 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 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 meter is connected to the structure. To the right of the meter is a switch labeled 'S' and a pole-mounted transformer labeled 'P'. A horizontal line representing the 'Point of Demarcation' is drawn between the structure and the meter. A 'Service Line' is shown above the structure, connecting to the transformer. A 'Utility Pole' is shown on the right, supporting the transformer.</p>

Point of Demarcation	Applicable Scenario	Sketch
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.	

Unique Points of Demarcation

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

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 (Former 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, Parking, and Security Lighting fed from Buildings	The beginning point of demarcation for lighting fed from a building without a disconnect 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

Location	Point of Demarcation Description
	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	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	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.

Plants and Substations

Subject to all conditions set forth in the Grant of Rights-Of-Way the Grantor grants to the Grantee an exclusive right-of-way for electrical plants and substations as described below.

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.

PART 1, EXHIBIT C

Lackland AFB Electric System Physical Condition Report

The Physical Condition Report will be completed at the time of privatization award and will be documented in the form of a video prepared by the Government and successful Offeror.

PART 1, EXHIBIT D

Lackland AFB Electric System Environmental Baseline Survey

Parsons ES prepared an Environmental Baseline Survey. The document is under separate cover and titled "Utility System Privatization Environmental Baseline Survey for Lackland Air Force Base, San Antonio, Texas", October 1999.

PART 2, EXHIBIT A

Lackland AFB Natural Gas Distribution System Maps

Maps are available, by request to the PCO, in Microstation format on CD. The following files are included on the CD entitled "*Lackland Air Force Base Natural Gas Utility System.*"

- lac-GAS.dlv
- Lack98br.mst
- LACKEXST.MST
- lkgas.dgn
- readme3.doc

PART 2, EXHIBIT B

Lackland AFB Natural Gas Distribution System Description of Premises

Natural Gas Distribution System Description

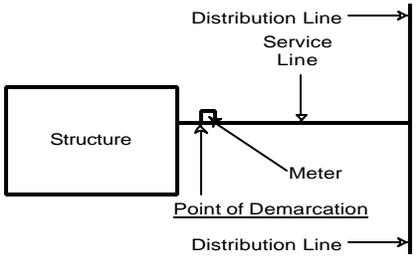
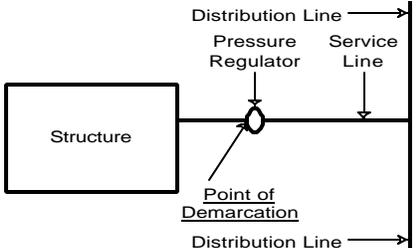
The natural gas distribution system at Lackland AFB may be composed of the district regulator stations, distribution mains, valves, valve boxes, service lines, regulators, and meters used to deliver natural gas to end users throughout the Base. Cathodic protection system components including but not limited to anodes and test stations, out-of-service distribution mains, and service lines are also part of the natural gas distribution system.

Natural Gas Distribution System Rights-Of-Way

A 26-foot-wide right-of-way extending 13 feet on each side of the utility, as installed.

Natural Gas Distribution System Points of Demarcation

The point of demarcation is defined as the point on the distribution system where ownership changes from the utility owner to the building owner. The table below identifies the type of service and general location of the point of demarcation with respect to the building served.

Point of Demarcation	Applicable Scenario	Sketch
<p>The point of demarcation is the down stream side of the natural gas meter.</p>	<p>Natural gas service to the building is metered.</p>	
<p>The point of demarcation is the down stream side of the pressure regulator.</p>	<p>Natural gas service to the building is regulated but not metered.</p>	

Point of Demarcation	Applicable Scenario	Sketch
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.	<p>The diagram shows a horizontal distribution line with an arrow pointing right. A vertical line representing a structure is connected to the distribution line. From this connection point, a service line branches off to the right, containing a pressure regulator and a meter. The point of demarcation is marked with a vertical line and an arrow pointing to the meter. Labels include 'Structure', 'Distribution Line', 'Service Line', 'Pressure Regulator', 'Meter', and 'Point of Demarcation'.</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 diagram shows a horizontal distribution line with an arrow pointing right. A vertical line representing a structure is connected to the distribution line. From this connection point, a service line branches off to the right, containing a shutoff valve. The point of demarcation is marked with a vertical line and an arrow pointing to the shutoff valve. Labels include 'Structure', 'Distribution Line', 'Service Line', 'Shutoff Valve', and 'Point of Demarcation'.</p>

Unique Points of Demarcation

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

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	Point of demarcation is the shutoff valve to each unit.
Cathodic Protection Rectifiers	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>

Plants

Subject to all conditions set forth in the Grant of Rights-Of-Way the Grantor grants to the Grantee a right-of-way for plants as described below.

Description	Facility Number	State Coordinates	Other Information
None			

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

PART 2, EXHIBIT C

Lackland AFB Natural Gas Distribution System Physical Condition Report

The Physical Condition Report will be completed at the time of privatization award and will be documented in the form of a video prepared by the Air Force and successful Offeror.

PART 2, EXHIBIT D

Lackland AFB Natural Gas Distribution System Environmental Baseline Survey

Parsons ES prepared an Environmental Baseline Survey. The document is under separate cover and titled "Utility System Privatization Environmental Baseline Survey for Lackland Air Force Base, San Antonio, Texas", October 1999.

PART 3, EXHIBIT A

Lackland AFB Water Distribution System Maps

Maps are available, by request to the PCO, in Microstation format on CD. The following files are included on the CD entitled "*Lackland Air Force Base Water Utility System.*"

- lac-water.dlv
- Lack98br.mst
- LACKEXST.MST
- lkwater.dgn
- readme3.doc

PART 3, EXHIBIT B

Lackland AFB Water Distribution System Description of Premises

Water Distribution System Description

The water distribution system at Lackland 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, 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.

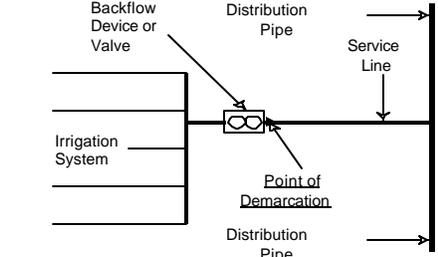
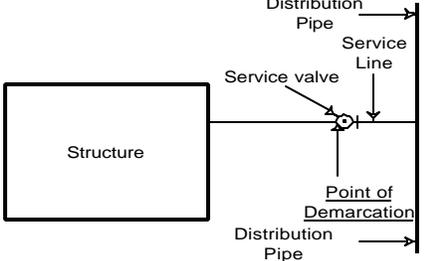
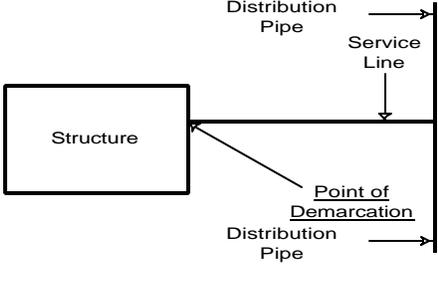
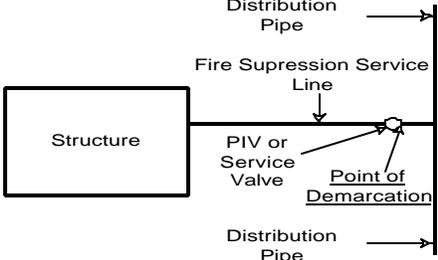
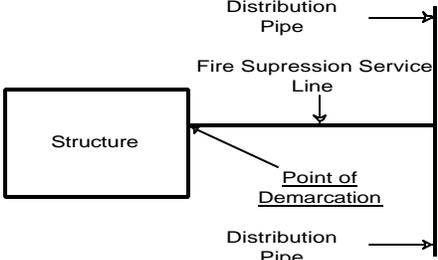
Water Distribution System Rights-Of-Way

A 26-foot-wide right-of-way extending 13 feet on each side of the utility for pipe sizes of 24 inches and less and a 50-foot-wide right-of-way extending 25 feet on each side of the utility for pipe sizes of greater than 24 inches, as installed.

Water Distribution System Points of Demarcation

The point of demarcation is defined as the point on the piping system where ownership changes from the utility owner to the building owner. The table below identifies the general locations of these points with respect to the building served.

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	Applicable Scenario	Sketch
<p>Point of demarcation is the upstream side of the backflow device.</p>	<p>Irrigation system fed directly from distribution system.</p>	
<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>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>Point of demarcation is the upstream side of the PIV.</p>	<p>Fire suppression system on dedicated feed from water main.</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>	

Point of Demarcation	Applicable Scenario	Sketch
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' of structure. <i>Note: Service line may have existing service valve greater than 25' from structure.</i>	

Unique Points of Demarcation

The following table list anomalous points of demarcation that do not fit any of the above categories.

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.

Location	Point of Demarcation Description
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.

Plants and Towers

Subject to all conditions set forth in the Grant of Rights-Of-Way the Grantor grants to the Grantee a right-of-way for plants and towers as described below.

Description	Facility Number	State Coordinates	Other Information
Elevated Storage Tank	1506		200,000 gallon, Main Base
Elevated Storage Tank	5710		500,000 gallon, Main Base
Elevated Storage Tank	5084		500,000 gallon, Main Base
Elevated Storage Tank	6676		750,000 gallon, Main Base
Elevated Storage Tank	232		125,000 gallon, Training Annex
Elevated Storage Tank	165		250,000 gallon, Training Annex
Water Well	1015		Main Base
Water Well	5707		Main Base
Water Well	3105		Main Base
Water Well	4069		Main Base
Water Well	9062		Main Base
Water Well	4379		Main Base
Water Well	245		Training Annex
Water Well	103		Training Annex

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

PART 3, EXHIBIT C

Lackland AFB Water Distribution System Physical Condition Report

The Physical Condition Report will be completed at the time of privatization award and will be documented in the form of a video prepared by the Air Force and successful Offeror.

PART 3, EXHIBIT D

Lackland AFB Water Distribution System Environmental Baseline Survey

Parsons ES prepared an Environmental Baseline Survey. The document is under separate cover and titled "Utility System Privatization Environmental Baseline Survey for Lackland Air Force Base, San Antonio, Texas", October 1999.

PART 4, EXHIBIT A

Lackland AFB Wastewater Collection System Maps

Maps are available, by request to the PCO, in Microstation format on CD. The following files are included on the CD entitled “*Lackland Air Force Base Wastewater Utility System.*”

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- lksewer.dgn
- lkstorm.dgn
- readme3.doc

PART 4, EXHIBIT B

Lackland AFB Wastewater Collection System Description of Premises

Wastewater Collection System Description

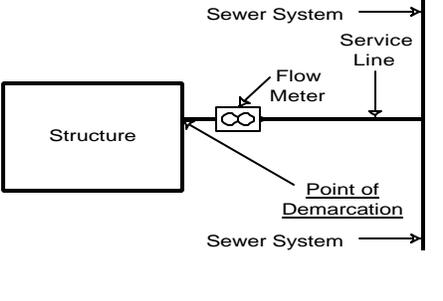
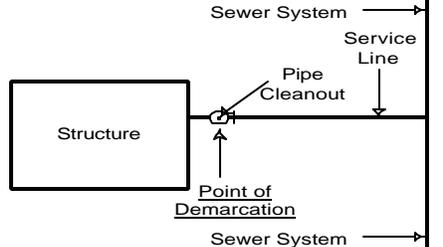
The wastewater collection system at Lackland AFB may be composed of collection piping, manholes, final discharge meters, lift stations, supporting emergency generators sets (if any), and electrical controls associated with the lift stations and emergency generator sets.

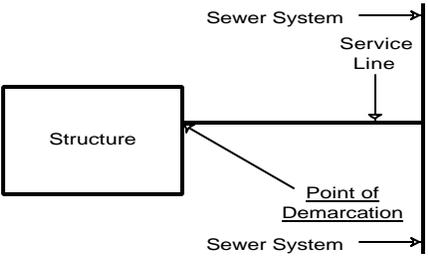
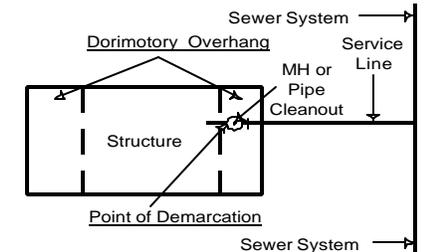
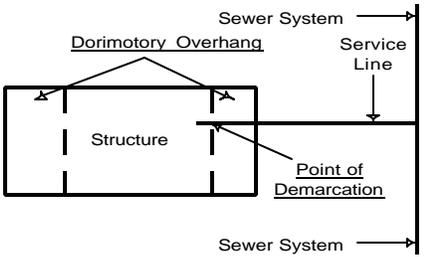
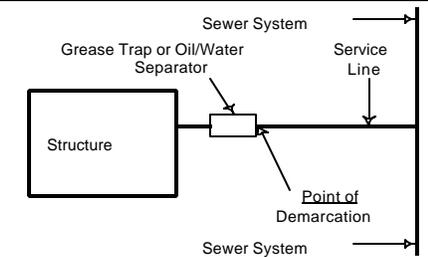
Wastewater Collection System Rights-Of-Way

A 26-foot-wide right-of-way extending 13 feet on each side of the utility for pipe sizes of 24 inches and less and a 50-foot-wide right-of-way extending 25 feet on each side of the utility for pipe sizes of greater than 24 inches, as installed.

Wastewater Collection System Points of Demarcation

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

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>	
<p>Point of demarcation is the upstream side of the cleanout device.</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>	

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>No flow meter or cleanout exists on the service line within 10 feet of where the service line exits the structure.</p>	
<p>Point of demarcation is upstream side of cleanout device or manhole from first floor building edge.</p>	<p>Dormitories with overhang and a cleanout device or manhole is located within 10' of the first floor building edge.</p>	
<p>Point of demarcation is where the service line exits from first floor building edge..</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>Dormitories with overhang and a cleanout device or manhole is not located within 10' of the first floor building edge.</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>	

Unique Points of Demarcation

The following table list anomalous points of demarcation that do not fit any of the above categories.

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

Location	Point of Demarcation Description
Lift station for structures with basement facilities.	
Sanitary sewer lift station electrical supply.	The point of demarcation is from the line side of disconnect switch for lift station.
New Temporary Housing (TLF2)	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.
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. 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.
Family Camp	The Family Camp area is included in the privatization. This includes all appurtenances to and including the hub at each campsite.
Frank Tejada West (Medina) Housing	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.
Frank Tejada West (Medina) Housing	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.

Plants

Subject to all conditions set forth in the Grant of Rights-Of-Way the Grantor grants to the Grantee a right-of-way for plants as described below.

Description	Facility Number	State Coordinates	Other Information
None			

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

PART 4, EXHIBIT C

Lackland AFB Wastewater Collection System Physical Condition Report

The Physical Condition Report will be completed at the time of privatization award and will be documented in the form of a video prepared by the Air Force and successful Offeror.

PART 4, EXHIBIT D

Lackland AFB Wastewater Collection System Environmental Baseline Survey

Parsons ES prepared an Environmental Baseline Survey. The document is under separate cover and titled "Utility System Privatization Environmental Baseline Survey for Lackland Air Force Base, San Antonio, Texas", October 1999.

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