



The Herrity Building is one of three government buildings located on Government Center Parkway in the Fairfax Center Area.

## 8. Public Facilities

### Schools

A total of 20 schools serve the Fairfax Center Area. A table found in Appendix D lists the schools that serve the study area and shows the existing school capacity, enrollment, and projected enrollment. The projections in this table were completed prior to the adoption of the Fairfax/Lanier Boundary Study, which is discussed in a subsequent paragraph. Of these schools, only Eagle View and Powell Elementary schools are located within the study area.

The school capacity chart shows a snapshot in time for student enrollments and school capacity balances. Student enrollment projections are done on a six-year timeframe, currently through the 2017-2018 school year, and are updated annually. Within the next six years, 12 of the 20 schools are projected to be over capacity. A significant deficit will exist at the high school level and a slight deficit will exist at the elementary school level. There will, however, be capacity at the middle school level. Enrollment projections are not available beyond the six-year projection horizon.

### *Capital Improvement Projects*

Modular capacity enhancements are currently underway at Frost Middle School to increase its capacity. Fairfax Villa, Greenbriar East, and Union Mill Elementary schools all have funded renovations scheduled for completion by the 2013-2014 school year. Renovation and capacity enhancements planned for Oakton High School and Rocky Run Middle School are scheduled for completion in the future. The FY2014-FY2018 Capital Improvement Program (CIP) also identifies the need for a new Fairfax/Oakton area elementary school.

### *Attendance Areas – Fairfax/Lanier Boundary Study*

Under the current 2013-2014 school year attendance area boundaries, Lanier Middle and Fairfax High schools serve the vast majority of the study area. Fairfax County Public Schools (FCPS) recently completed a boundary study for Fairfax and Lanier resulting in attendance area changes. The majority of the changes from the study will



Fairfax County Government Center.



Rocky Run Middle School.

become effective in the 2014-2015 school year, with the exception of a portion of the Waples Mill Elementary School attendance area that will switch seventh graders from Lanier to Franklin Middle School in the 2013-2014 school year. The boundary changes reduce the size of Fairfax and Lanier attendance areas in the Fairfax Center Area.

### *School Facility Needs*

Continued capacity challenges are projected at elementary and high school levels within the Fairfax Center Area. Traditionally, capacity needs have been addressed through new school construction, additions to existing facilities, interior architectural modifications, use of temporary or modular buildings, changes to programs, or changes to attendance areas.

The FY2014-FY2018 CIP identifies the unfunded need for a Fairfax/Oakton area elementary school that is in proximity to the Fairfax Center Area. At the high school level, capacity enhancements to Oakton High School, as well as a potential new high school in the western portion of the county, will provide additional high school capacity in the study area.

### **Libraries**

The Fairfax County library system is composed of a hierarchy of regional and community libraries. The library facilities are located within designated service areas with the purpose of meeting the educational, recreational, and informational needs of the residents in the communities they serve. County libraries are divided into three categories with the following characteristics:

- 1) Regional Library
  - » Floor area between 25,000 sq. ft. and 39,000 sq. ft.
  - » Monthly circulation of at least 20,000
  - » 20,000 visitors per month

## 2) Community Library

- » Floor area between 10,000 sq. ft. and 17,000 sq. ft.
- » Monthly circulation between 10,000 and 50,000
- » 10,000 – 20,000 visitors per month
- » All other Libraries that are less than 10,000 sq. ft.

Four community and regional libraries are located within proximity to the Fairfax Center Area, serving the needs of residents. These consist of the following:

### City of Fairfax Regional Library

- » Located at 10360 North Street, Fairfax, Virginia 22030
- » Opened January 2008
- » Includes the Virginia Room, Fairfax County's foremost collection of books, photographs, and manuscripts related to county history, government, and genealogy

### Chantilly Regional Library

- » Located at 4000 Stringfellow Road, Chantilly, Virginia, 20151
- » Opened January 1995

### Centreville Regional Library

- » Located at 14200 St. Germain Drive, Centreville, Virginia, 20121
- » Opened May 1970

### Oakton Community Library

- » Located at 10304 Lynnhaven Place, Oakton, Virginia 22124
- » Opened September 2007
- » LEED Silver rated building

There are currently no community or regional libraries located within the Fairfax Center Area. Given that the Fairfax Center Area is nearing build-out with a mix of residential and commercial uses, there is not an anticipated need for future library facilities to meet community needs. There may, however, be an opportunity to



The Fairfax Regional Library.  
Source: Google Maps; image taken September 2012.

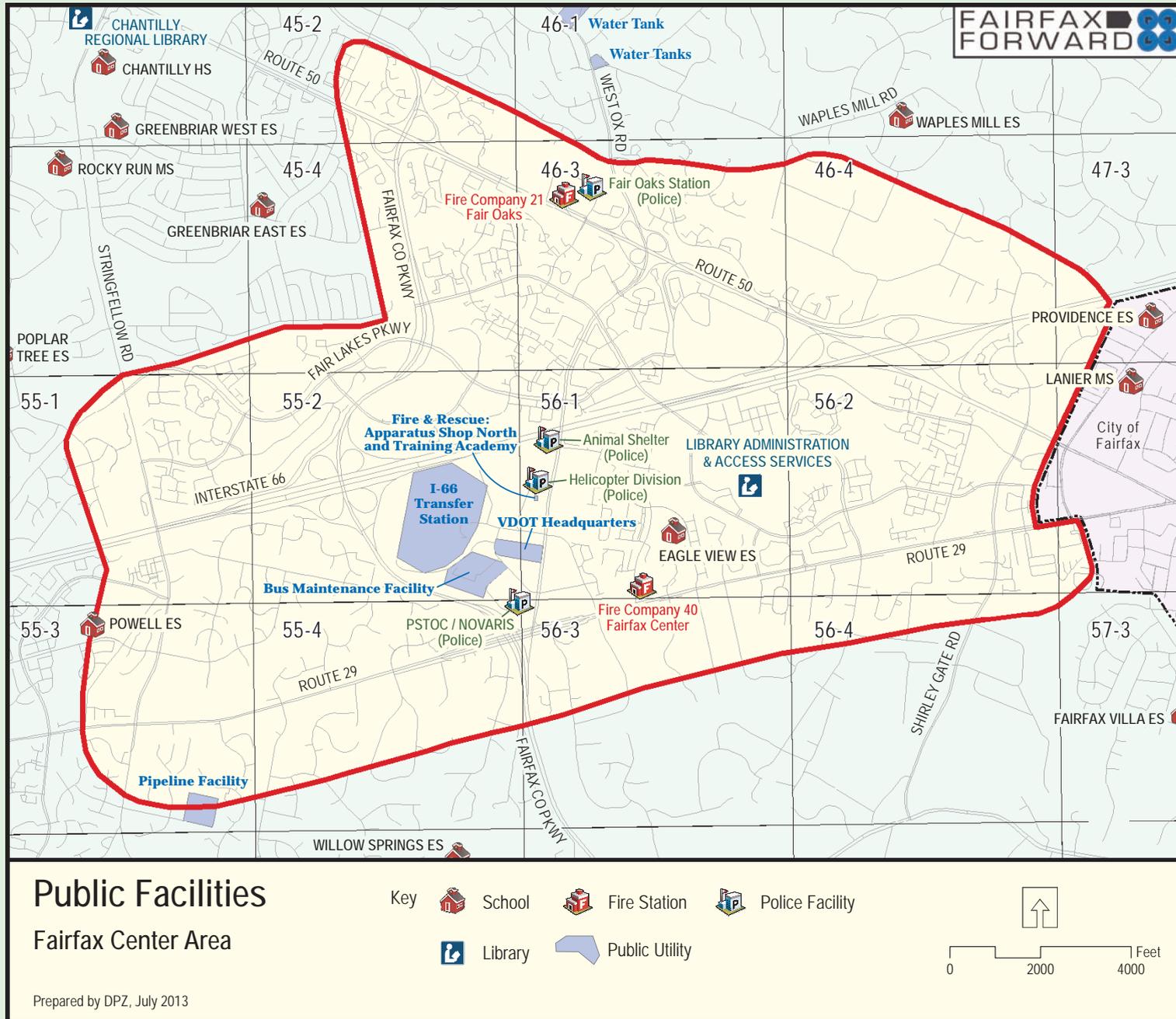


Figure 8.1 Public facility locations in the Fairfax Center Area.

expand the role of the Access Services branch, located within the Fairfax County Government Center. Access Services removes the barriers to library services for people with disabilities. Services may include providing opportunities to learn about assistive technology and equipment, providing books in alternative formats to people with vision impairments, and delivering books to readers who cannot visit a local library. Additionally, within the Fairfax Center Area, a small, community-oriented storefront location with limited seating and additional services could be provided for residents to use the internet, pick up items on hold, and inquire about other library services.

## Public Safety

### *Police*

Police and governmental buildings are the nucleus for police operational programs and critical logistic staging. Emerging trends and threats have changed the way law enforcement operates. While district stations historically have been utilized to spearhead community building initiatives, citizen interviews, public briefings, and station based services, the stations also house rapid deployment equipment and vehicles that cannot constantly be placed in service.

The ability to quickly send out specialized equipment to traffic incidents, active shooter situations, and other high profile threats is a timely fashion in paramount to the Fairfax County Police Department's success. Additionally, it is critical that community members have reasonable access to many police services offered at the stations. While police strive to take services to the neighborhoods, a need will always exist to offer many services directly from the station.

The Fairfax Center Area is served by Sully and Fair Oaks District police stations (Figure 8.1). The Fair Oaks District Station is currently under renovation, with the new expansion supporting approximately 40 additional officers. The tentative occupancy date is October 2013. The Sully District Police Station most likely has room for expansion should there be a need to increase capacity.

In addition to the expansion of the Fair Oaks District Police Station, there are



Oakton Community Library is a LEED Silver rated building.



Proposed new public safety headquarters (left) adjacent to Herrity Building.



McConnell Public Safety and Transportation Operations Center.

several other future development plans within the study area. Located on West Ox Road, the police heliport is in need of renovation and possibly reconstruction. The building has outlived its life expectancy and was originally considered a temporary facility. There is also a preliminary plan to add a DNA lab to the police forensic and public safety operations center located at the McConnell Public Safety and Transportation Operations Center on Alliance Drive off West Ox Road. Another future expansion is the relocation of the public safety headquarters from the Massey Building to a new facility adjacent to the Herrity Building on Government Center Parkway. The proposed eight-story building would serve as the headquarters for the police department, fire marshal, and sheriff's office. A proffer condition amendment (PCA) application was approved by the Board of Supervisors on July 31, 2012 to allow 26,667 square feet of development potential to be transferred from Land Bay C of the Government Center to a previously approved building in Land Bay B for a total building size of approximately 274,000 square feet. The tentative occupancy date is August-September 2016.

There are also plans to add two more police districts within Fairfax County to accommodate future population growth. The new districts, Tysons and South County, will provide the necessary capacity to serve these areas. The creation of these districts will require adjusting all other district boundaries and could eventually reduce the workload on the western districts near the Fairfax Center Area. Other boundary adjustments may be done periodically to keep one station from becoming over capacity.

### *Fire and Rescue*

The Fairfax County Fire and Rescue Department is composed of 37 strategically positioned stations to effectively serve the county residents. Emergency response coverage for the Fairfax Center Area is primarily provided by the Fair Oaks Fire and Rescue Station 21 and the Fairfax Center Fire and Rescue Station 40, with some coverage by the Centreville Volunteer Fire and Rescue Station 17. Other facilities in the study area include the Fire and Rescue Training Academy and West Ox Apparatus Shop North (Figure 8.1).

Currently, the Fair Oaks Fire and Rescue Station 21 is undergoing a minor renova-

tion in conjunction with the major expansion of the Fair Oaks District Police Station. This capital project was funded by the 2006 Public Safety Bond Referendum. In addition, the expansion of the existing Fire and Rescue Training Academy located on West Ox Road is a funded capital project. There are currently no other funded improvements planned for any other fire and rescue facilities in the Fairfax Center Area.

It is important to note that the Centreville Volunteer Fire and Rescue Station 17 is staffed by career personnel twenty-four hours a day, seven days a week, but is a volunteer-owned fire station. Therefore, the facility and all frontline apparatus are funded by the Centreville Volunteer Fire and Rescue Department. Any future development in the Fairfax Center Area will need to include an analysis of the potential impact on volunteer funded fire and rescue resources as well as county funded resources.

## **Sewer and Water**

### *Sanitary Sewer Service*

The Fairfax Center Area is served by the Noman M. Cole Jr. Pollution Control Plant (NMCPCP) and the Upper Occoquan Service Authority (UOSA) treatment plant.

The NMCPCP serves the Accotink, Pohick, Long Branch, Little Hunting Creek, and Dogue Creek drainage basins. The county owns and operates the NMCPCP. In addition to the flow from the county, sewage from the City of Fairfax, Fort Belvoir and part of the Town of Vienna is also treated at the plant. The current average flow to the plant is about 40 million gallons per day (MGD), which is about 60 percent of the plant's 67 MGD treatment capacity. The existing treatment capacity at NMCPCP is capable of handling the projected flows from its service area through 2040.

The UOSA plant serves the southwestern part of the county. The plant is a regional facility that also treats sewage from Prince William County, and the cities of Manassas and Manassas Park. Under a service agreement, the county has 22.6 MGD treatment allocation of UOSA's 54 MGD treatment capacity. The county's current average flow to UOSA is less than 13 MGD, approximately 58 percent of its alloca-



Fairfax County Fire and Rescue Training Center located off of West Ox Road.



Noman M. Cole Jr. Pollution Control Plant located in Lorton, VA.

tion. The county's existing allocation at the UOSA treatment is capable of handling the projected anticipated sewage flow through 2040.

There are five pumping stations located within the Fairfax Center Area: one in Land Unit A (Penderbrook Pumping Station), in Land Unit K (Highridge and Pender Pumping Stations), one in Land Unit O (Piney Branch Pumping Station), and one in Land Unit P (Rt. 50/I-66 Pumping Station).

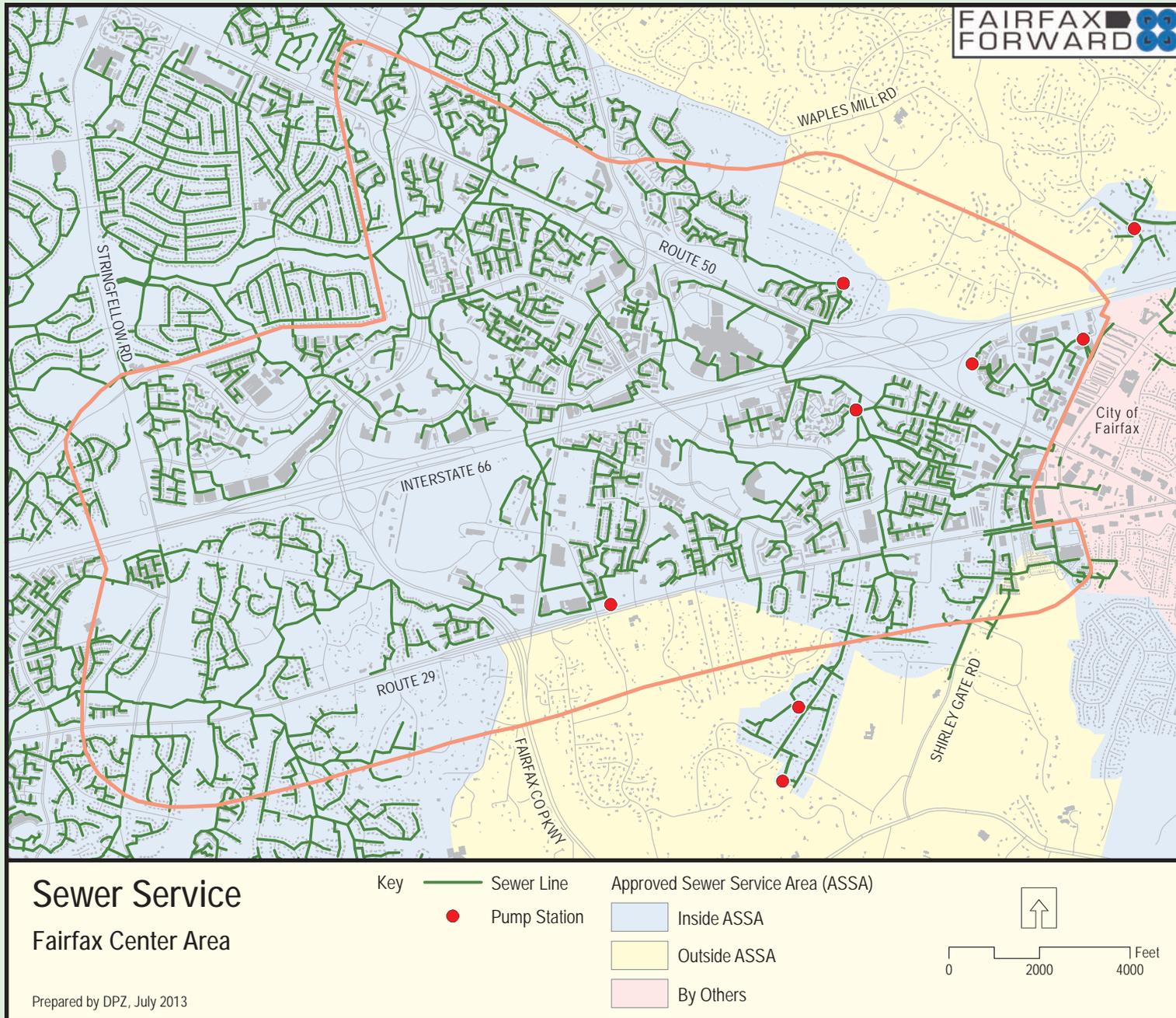
The current capacity of each of the pumping stations is adequate to handle the projected flow from their respective service areas through 2040. All of the sewer lines within the Fairfax Center Area have adequate capacity to handle the projected flow through 2040.

Portions of the Fairfax Center Area are located outside of the (ASSA), including areas south of Lee Highway and part of the Fairfax Farms subdivision (Figure 8.2). These areas are generally planned for low density residential uses which do not require public sewer service. However, the ASSA includes the Leehigh Village Conservation Area located along Village Drive at the southern edge of the Fairfax Center Area, in order to remedy public health hazards caused by failed and imminently failing septic systems.

#### *Public Water System and Infrastructure*

A majority of the Fairfax Center Area is served by the Fairfax County Water Authority (Fairfax Water). A small area along the eastern boundary of the study area is served by the City of Fairfax Utilities Department. It should be noted that as of this document's publication, Fairfax Water is in the process of finalizing an agreement with the City of Fairfax under which all city water customers would become retail customers of Fairfax Water.

The area has direct access to several existing transmission mains ranging in size from 16 inches to 36 inches in diameter (Figure 8.3). Due to topographic variation within the county, Fairfax Water's service area is divided into six major pressure zones to maintain target water pressures generally in the range of 35 to 80 pounds per square inch (psi). The water surface elevation of the Penderwood storage tanks control pressures in the Second High and Third High zones with overflow elevations



**Figure 8.2** Sanitary sewer facilities serving the Fairfax Center Area.

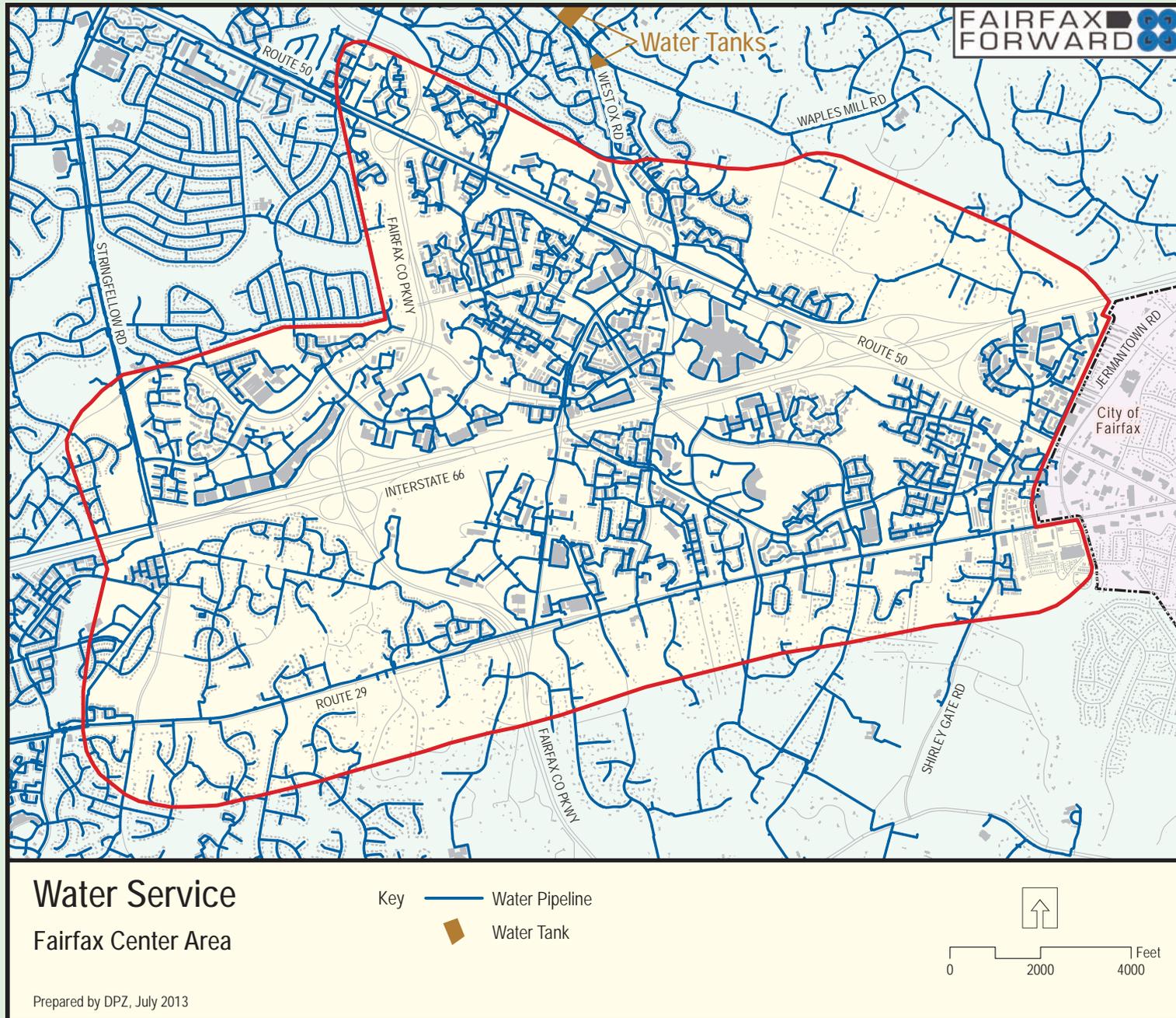


Figure 8.3 Water facilities serving the Fairfax Center Area.

of 555 feet and 600 feet, respectively. Customers west of West Ox Road fall within the Second High Pressure Zone (HPZ). Nearby transmission mains ranging in size from 16 inches to 36 inches in diameter are located along the Stringfellow Road, Lee-Jackson Memorial Highway, and West Ox Road corridors. Customers east of West Ox Road fall within the third HPZ. Nearby transmission lines ranging from 16 inches to 30 inches in diameter are located along the Lee-Jackson Memorial Highway, Lee Highway, West Ox Road, Legato Road, and Waples Mill Road corridors. The Fair Oaks pumping station provides high pressure service to the study area.

Fairfax Water identified future water system improvements as part of the 2011 update to its System Master Plan. One of these improvements, the installation of a transmission water main along the West Ox Road corridor from Lee-Jackson Memorial Highway to the Fair Lakes Parkway, is located within the Fairfax Center Area.