

UTILITIES ELEMENT

INTRODUCTION

The Growth Management Act requires that a utility element address "the general location, proposed location, and capacity of all existing and proposed utilities, including, but not limited to electrical lines, telecommunication lines, and natural gas lines." Private utilities such as Puget Sound Energy, Qwest, U.S. West Cellular and Cellular One provide natural gas, electric, standard telephone, and cellular telephone services respectively. Issues identified through the course of environmental review include coordinated land use and facility planning, coordination of utility construction, conservation of resources, and potential health effects. A discussion of these issues is found in the Draft and Final Environmental Impact Statement. Goals, policies and objectives regarding utilities are provided below as well as existing and proposed facility maps where available.

GOALS, POLICIES AND OBJECTIVES

1. *Facilitate the development of natural gas utilities at the appropriate levels of service to accommodate the growth that is anticipated to occur in Sumner.*
 - 1.1 Promote when reasonably feasible, co-location of new public and private utility distribution facilities in shared trenches and coordination of construction timing to minimize construction-related disruptions to the public and reduce the cost to the public of utility delivery. The City shall provide timely effective notice to utilities to encourage coordination of public and private utility trenching activities for new construction and maintenance and repair of existing roads.
 - 1.2 Assist service providers to ensure land will be made available for the location of natural gas lines, including location within transportation corridors.
 - 1.3 Promote the extension of natural gas distribution lines to and within the Urban Growth Area. The City shall coordinate land use and facility planning with service providers to allow eventual siting and construction of natural gas distribution lines within rights-of-way which are being dedicated or within roads which are being constructed or reconstructed.
 - 1.3.1 Periodically review and amend existing regulations, including sensitive area regulations, as necessary to allow maintenance, repair, installation and replacement of gas lines.
 - 1.3.2 When requested provide the natural gas utility with updates of population, employment and development projections. The City will seek to jointly evaluate actual patterns and rates of growth, and compare such patterns and rates to demand forecasts.
 - 1.4 Encourage communication among the City, Washington Utilities and Transportation

Commission (WUTC), and utilities regulated by the WUTC, regarding service provision concurrently or in advance of demand.

- 1.5 Encourage system design practices intended to minimize the number and duration of interruptions to customer service.
- 1.6 Coordinate with the utility provider to determine if a Memoranda of Understanding outlining expectations of the provider as well as the City would be beneficial.

2. *Plan and allow for regional and local improvements to electric facilities and coordinate service plans for facility development.*

- 2.1 Make decisions with respect to electric utility facilities so that safe, adequate and efficient availability of electrical service in other jurisdictions is not negatively affected.
- 2.2 Accommodate additions and improvements to electric utilities in a manner consistent with the needs and resources of Sumner as well as other jurisdictions. In addition, the City recognizes that decisions regarding utility corridors and facilities cannot be made solely on the basis of local considerations if multi-jurisdictional or regional interests would be affected.
- 2.3 Encourage Puget Sound Energy to make additions to and improvements of electric utility facilities that provide adequate capacity for future planned growth.
 - 2.3.1 When requested, provide the electric utility with annual updates of population, employment and development projections. The City of Sumner and the electric utility will seek to jointly evaluate actual patterns and rates of growth, and compare such patterns and rates to electrical demand forecasts.
- 2.4 Recognize the need for electric utility facilities that are sufficient to support economic development.
- 2.5 Coordinate the formulation and periodic update of the utility element (and relevant implementing development regulations) with adjacent jurisdictions.
- 2.6 Coordinate and seek to cooperate, with other jurisdictions in the implementation of multi-jurisdictional electric facility additions and improvements. Such coordination and cooperation should include efforts to coordinate the procedures for making specific land use decisions to achieve consistency in timing and substantive requirements.
- 2.7 Encourage the joint use of utility corridors, provided that such joint use is consistent with limitations as may be prescribed by applicable law and prudent utility practice.

- 2.8 Provide timely and effective notice to utilities of the construction, maintenance or repair of streets, roads, highways or other facilities, and coordinate such work with the serving utilities to ensure that utility needs are appropriately considered.
 - 2.9 Work with the utility to appropriately place electric utility facilities on public rights-of-way.
 - 2.10 Encourage underground utility networks in new developments in the City. In addition, where significant work in existing rights-of-way will occur, the City could investigate with service providers the possibility of buried lines where existing overhead lines are presently located. Undergrounding of distribution lines would be in accordance with Puget Sound Energy applicable tariffs on file with the WUTC.
 - 2.11 Coordinate with the utility provider to determine if a Memoranda of Understanding outlining expectations of the provider as well as the City would be beneficial.
3. *Coordinate with communication utilities to ensure adequate telephone services and high speed technology services in the community.*
- 3.1 Allow for improvements and additions to communication facilities needed to accommodate growth.
 - 3.1.1 When requested, provide telephone service providers with annual update of population, employment and development projections to ensure appropriate service will be available as needed.
 - 3.2 Strive to notify telephone service providers of construction work in the public rights-of-way which may affect telephone system equipment.
 - 3.3 Encourage underground utility networks in new developments in the City. In addition, where significant work in existing rights-of-way will occur, the City could investigate with service providers the possibility of buried lines where existing overhead lines are presently located.
 - 3.4 Maintain appropriate, communication facility regulations in the Zoning Code and ensure that proposal review considers setbacks, land use compatibility, fencing and vegetative buffering, and other concerns.
 - 3.5 Coordinate with the utility provider to determine if a Memoranda of Understanding outlining expectations of the provider as well as the City would be beneficial.

4. *Ensure environmentally sensitive, safe and reliable service, and conservation of energy.*

4.1 Facilitate and encourage conservation of resources to delay the need for additional facilities.

4.2 Facilitate the conversion to cost-effective and environmentally sensitive alternative technologies and energy sources.

4.3 Support development of a widespread gaseous fuel infrastructure to provide more options to reduce vehicular pollution. One example is conversion of the City's fleet to cleaner fuels.

4.4 Conserve the use of energy in the City's own facilities.

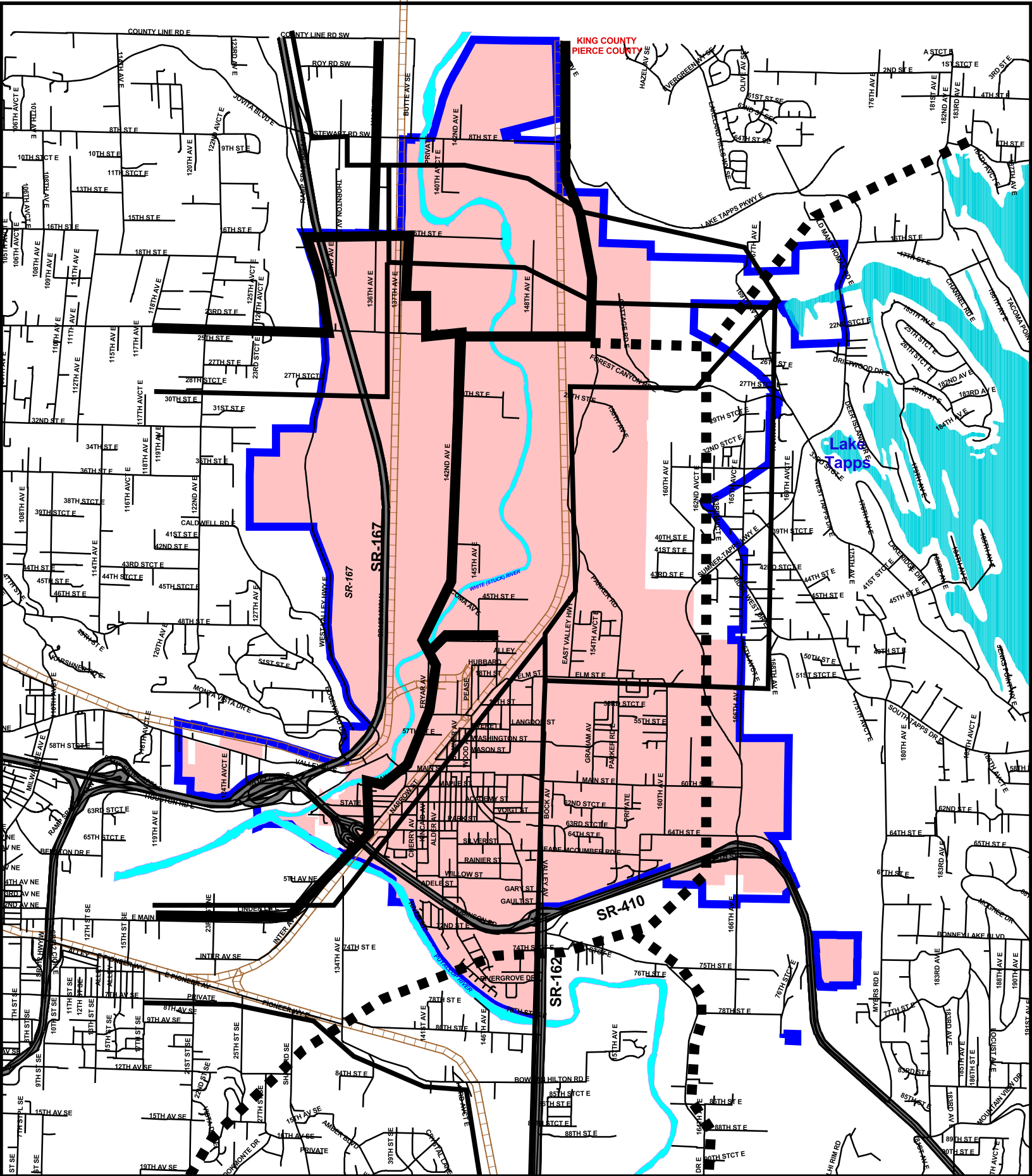
4.5 Support the planting of trees along street edges and parking lots and large expanses of asphalt to create a pleasing environment and to increase energy efficiency by reducing heat absorbed by asphalt that increases ambient temperatures.

5. *Facilitate the provision of reliable utility service in a way that balances potential safety and health impacts and allows for a fair and reasonable price for the utility's product.*

5.1 Encourage active City and utility participation in the development of regional and statewide policies regarding exposure to EMF (electromagnetic fields).

5.2 Review periodically, the state of scientific research on EMF, and make changes to policies if the situation warrants.

5.3 Review potential power density, height and setback standards and consider an ordinance which regulates communication towers to address potential health effects.



KING COUNTY
PIERCE COUNTY

Lake Tapps

SR-167

SR-410

SR-162



City of Sumner
Comprehensive Plan

Gas & Electrical Facility Map

Figure: 23

Source: Puget Sound Energy, City of Sumner
Community Development / Parks Department

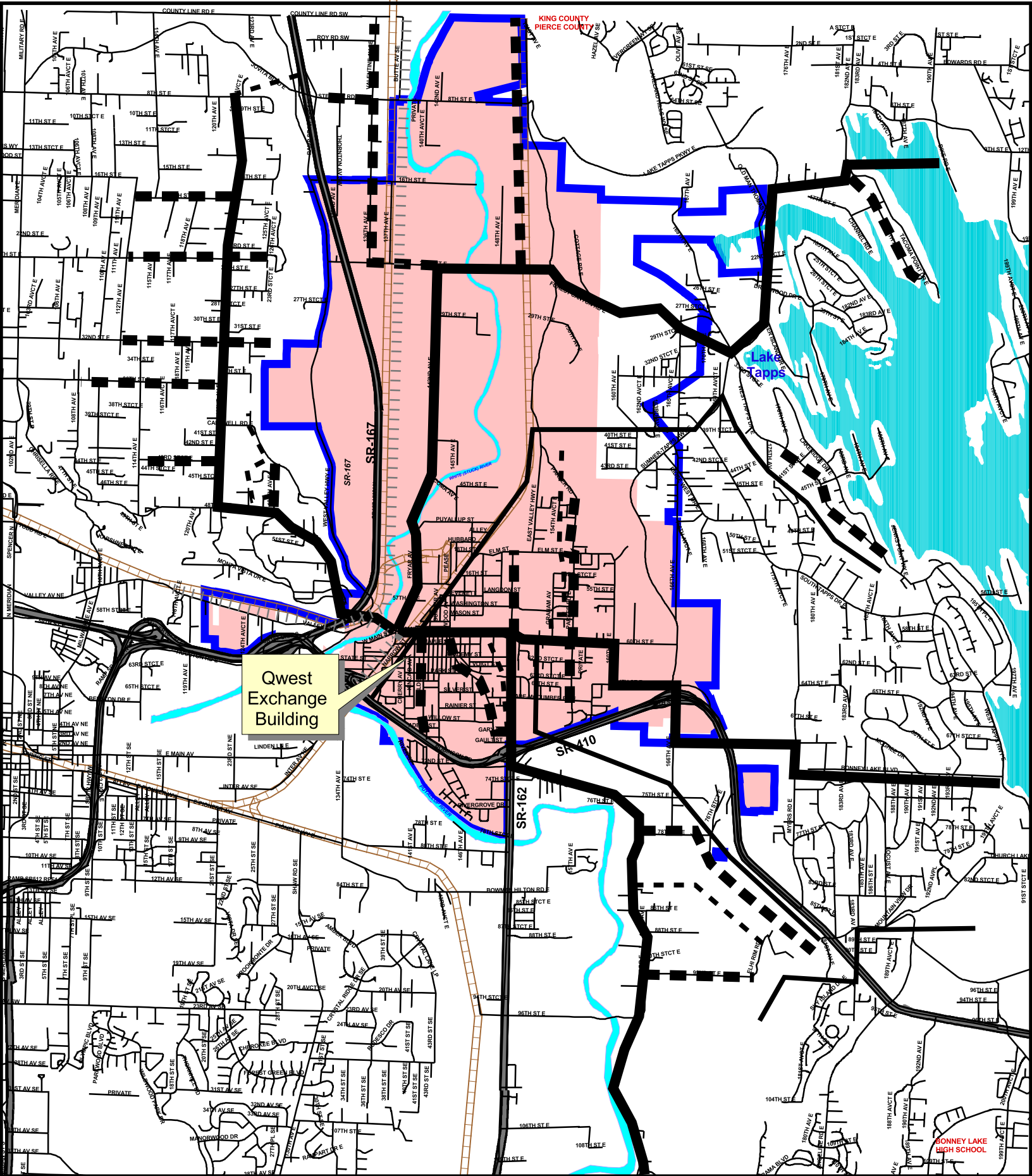
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- Sumner City Limits
- Sumner UGA

LEGEND:

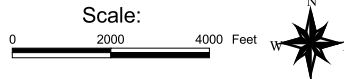
- Puget Sound Energy Facilities
- Natural Gas Supply Mains
 - Natural Gas Interstate Pipeline
 - Electrical Transmission Lines



Qwest Exchange Building

Figure: 24

Source: Qwest, Sprint, City of Sumner
Community Development / Parks Department



- LEGEND:**
- Sprint Telephone Facilities
 - |||| Main Line
 - Qwest Telephone Facilities
 - Main Feeder Route
 - Branch Feeder Route
 - Primary Division of Feed
 - - - Subdivision of Feed



City of Sumner
Comprehensive Plan

Telephone Facility Map