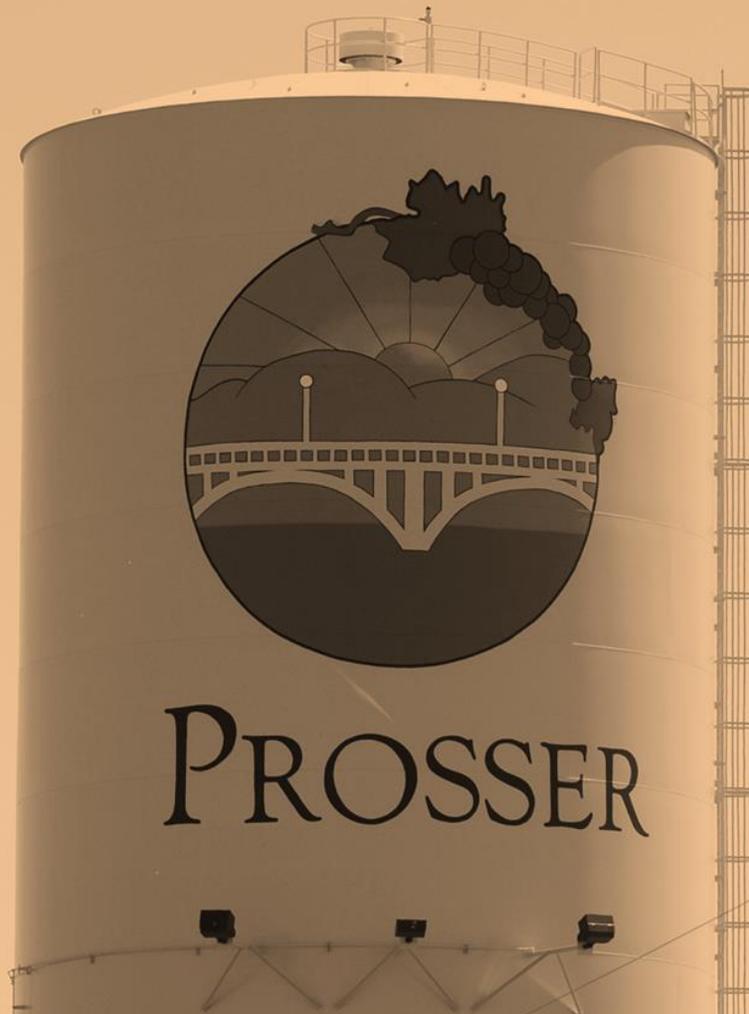


CHAPTER 9

CAPITAL FACILITIES



INTRODUCTION

The City's Capital Facilities Plan (CFP) provides a comprehensive project list and schedule guiding the investment of city resources in infrastructure. In addition to this chapter, the Capital Facilities Plan on file with the City Clerk dated April 10th, 2018 is hereby adopted by reference as if fully set forth. These resources are made up of local revenues as well as State and Federal grants. The CFP identifies those projects which have secured funding as well as a list of projects which have not yet been funded. The projects included have largely been identified through other planning efforts which are all incorporated into the City's Comprehensive Plan. The reader is referred to these other referenced plans for additional detail concerning projects.

The Capital Facilities Plan or Element consists of two parts. The first part presents policies to guide the development of capital facilities with the continued development of the community. This first part includes policies to reassess the comprehensive plan if probable funding falls short of meeting identified needs. The second part describes the planned capital facilities development program to meet the community's need with identifiable resources.

The second part includes:

- An inventory of existing facilities,
- An identification of the facilities needed (and their general location), to support the comprehensive plan, including the facilities necessary to serve the UGA,
- A long-range financial strategy to finance the facilities needed to support the plan, and
- A six-year capital facility development program known as the Capital Improvement Program (CIP).

The Capital Facilities Plan is an element that is updated annually during the budget process. This chapter only references the Capital Facilities Plan.

The Capital Facilities Plan (CFP) goals and policies assist in achieving stated goals and ensuring adequate resources are available to provide uninterrupted service to the residents of Prosser.

CHAPTER 9

CAPITAL FACILITIES



SERVICES

Services covered in the CFP include but are not limited to the following;

- Water
- Sewer
- Irrigation
- Power
- Roads
- Telecommunications
- Police
- Parks & Recreation

LEVELS OF SERVICE

FIGURE U-2. PUBLIC UTILITY LEVELS OF SERVICE

Irrigation Water	
Water availability	36 inches per acre per year delivered via a pressurized system
Potable Water	
Water availability	353 gallons per Equivalent Residential Unit (ERU) as contained in Prosser's current WSP
Sanitary Sewer	
Maximum Month Flow	174 gallons per capita day
Peak Hydraulic or Peak Instantaneous Flow	226 gallons per capita day
Storm Water Management	
Storm System Design	Greater of 25 year, 24 hour or 25 year 3-hour duration SCS Type 1A Storm

FIGURE T-1. PROSSER NON-MOTORIZED TRANSPORTATION LEVELS OF SERVICE.

LOS	Description
Sidewalks	Sidewalks on both sides of arterials and collectors, crosswalks every 600 feet where feasible.
Bicycle	Network of bicycle lanes available to provide alternative modes of transportation along arterials, collectors, and roads connecting significant residential developments to commercial hubs.

CHAPTER 9

CAPITAL FACILITIES



FIGURE T-1.1 ROADWAY MOTOR VEHICLE LEVELS OF SERVICE.

LOS	Description
A - Free flow	Free flow. Low volumes and no delays
B - Reasonably free flow	Stable flow. Speeds restricted by travel conditions, minor delays. Presence of other users in the traffic stream
C - Stable flow	Stable flow. Speeds and maneuverability reduced somewhat by higher volumes.
D - Approaching unstable flow	Stable flow. Speeds considerably affected by change in operating conditions. High density traffic restricts maneuverability.
E - Unstable flow	Unstable flow. Low speeds, considerable delay, volume at or near capacity. Freedom to maneuver is extremely difficult.
F - Forced or breakdown flow	Forced flow. Very low speeds, volumes exceed capacity, long delays and queues with stop-and-go traffic.

FIGURE T-1.2 TWO WAY STOP CONTROLLED INTERSECTION LOS APPLIED.

LOS	Control Delay-Seconds
A	< 10.0
B	> 10.0 and < 15.0
C	> 15.0 and < 25.0
D	> 25.0 and < 35.0
E	> 35.0 and < 50.0
F	> 50.0

FIGURE T-1.3 FOUR WAY STOP CONTROLLED INTERSECTION LOS APPLIED.

LOS	Control Delay-Seconds
A	< 10.0
B	> 10.0 and < 15.0
C	> 15.0 and < 25.0
D	> 25.0 and < 35.0
E	> 35.0 and < 50.0
F	> 50.0

FIGURE T-1.4 PROSSER LOS SPECIFIC ROADWAYS APPLIED.

LOS Specific Roadways	
Residential roads that serve single family dwelling units (excludes Multi-family)	LOS B
Wine Country Road	LOS C
Historic Downtown to include all intersections	LOS F
All Other Roads (excluding State and Federal highways)	LOS C
All intersections on arterials	LOS C

CHAPTER 9

CAPITAL FACILITIES

FINANCING

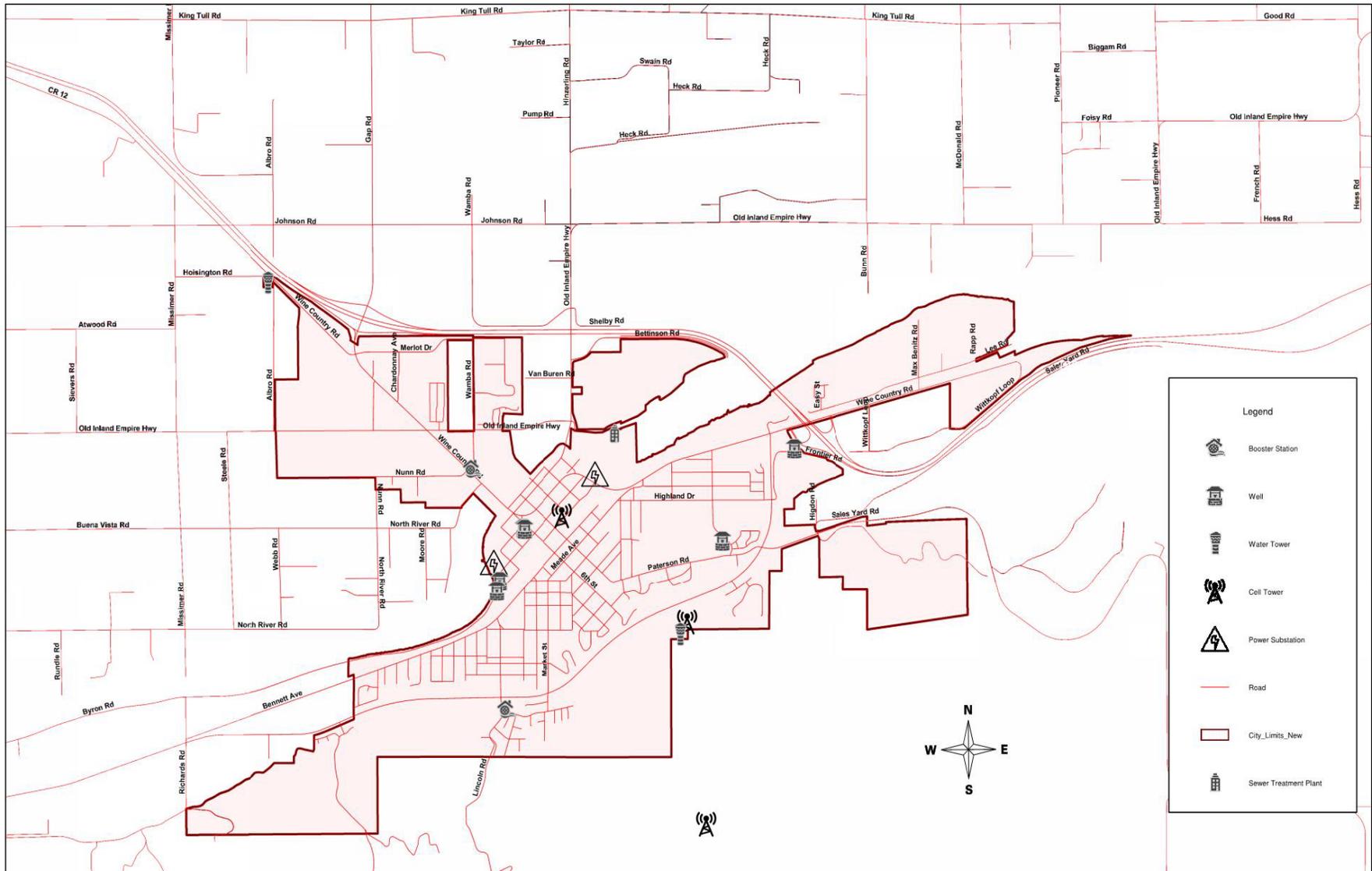
The State Department of Commerce, which is the agency responsible for oversight of local government comprehensive planning, recommends that capital facilities plan's cover a 20-year planning horizon. Because capital projects are often very expensive, financing often requires multi-year commitments of financial resources. Therefore, financial planning and implementation of capital facilities may not be effectively carried out on an annual basis and a long-range plan is necessary to assure that funding is available to implement the plan. Thus, development of the Plan is also a tool for effective governmental management.

FUTURE PROJECTS

The City of Prosser continues to experience higher than average growth in commercial and industrial development. Particular attention must be paid to the aging facilities currently used by Police, City Hall, and Public Works. Moving forward the need for additional space and better functionality increases. In order to better serve the needs of the community over the next 20 years Prosser should look at quality investments in its facilities and should further examine the benefits of campus style layouts and designs.

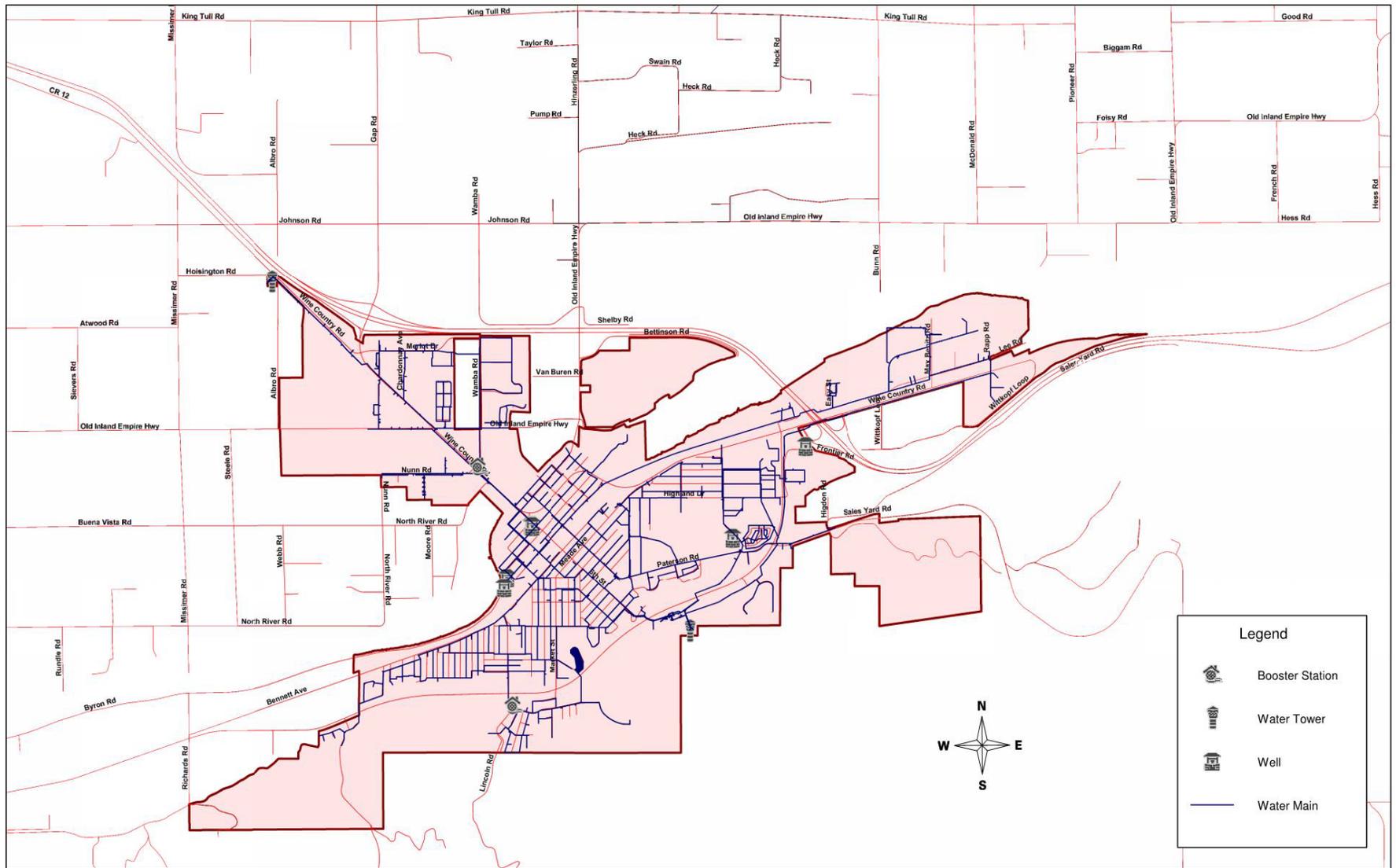


FIGURE CFP-1. CITY OF PROSSER UTILITIES.



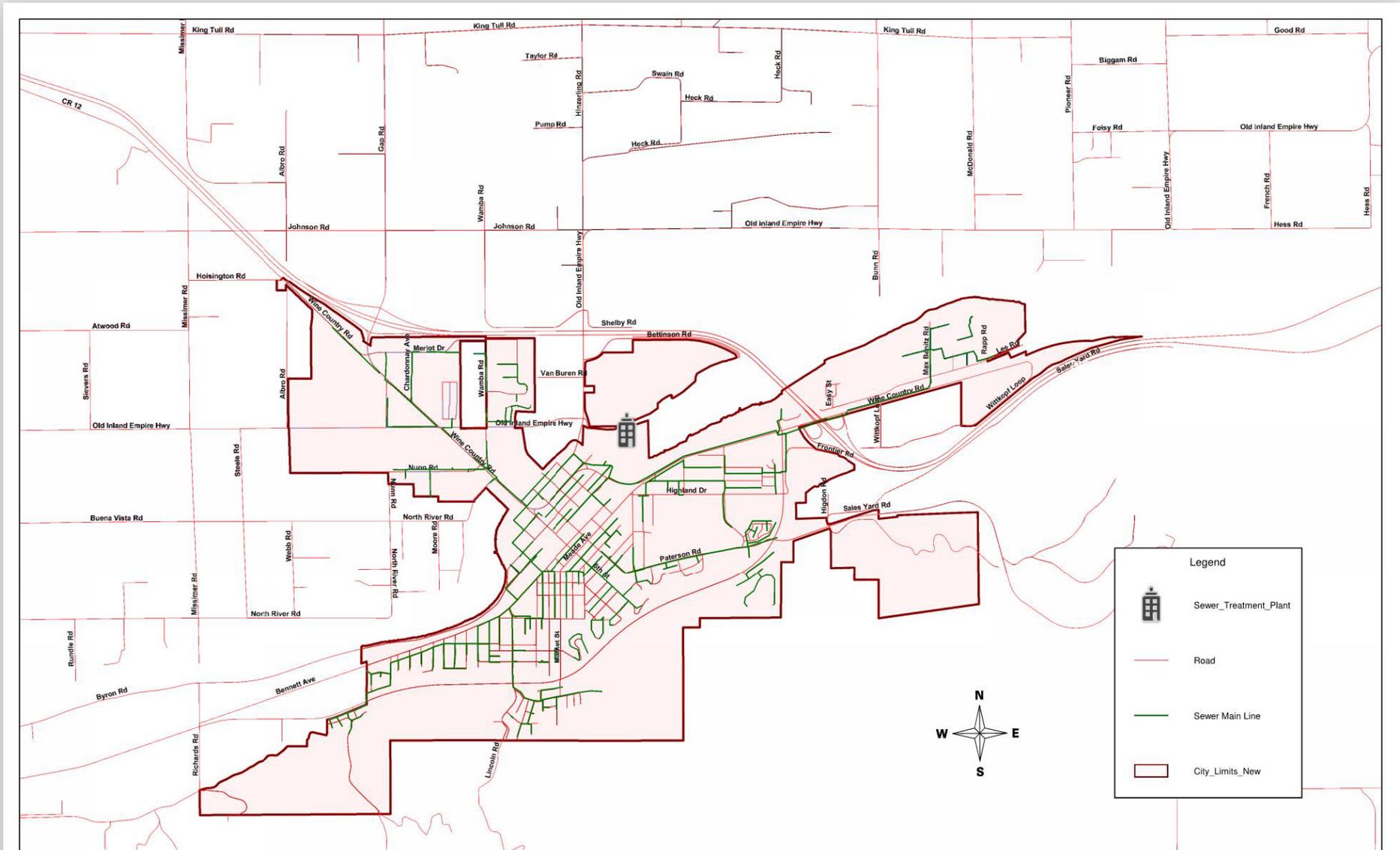
MAP DATE 10/12/17

FIGURE CFP-2. CITY OF PROSSER WATER INFRASTRUCTURE.



MAP DATE 10/12/17

FIGURE CFP-3. CITY OF PROSSER SEWER INFRASTRUCTURE.



MAP DATE 10/12/17