



Staff Report

TO: Clark County Planning Commission

FROM: Oliver Orjiako, Director

PREPARED BY: Jose Alvarez, Planner III

DATE: December 6, 2018

SUBJECT: CPZ2018-00020 COMPREHENSIVE GROWTH MANAGEMENT PLAN 2015-2035 POLICY AND CORRESPONDING TEXT AMENDMENTS (CHAPTER 6 Capital Facilities Element and Appendix E)

PROPOSED ACTION

The proposal is to amend the Comprehensive Growth Management Plan 2015-2035 Capital Facilities Element and Appendix E to reflect the update to Clark Regional Wastewater District Comprehensive General Sewer Plan (GSP). The district has studied several areas consistent with the requirements of RCW 57.16.010(2), which requires the District to consider “present and reasonably foreseeable future needs” of the sewer system. Two of these areas, the Rural Industrial Land Bank and the 2016 Ridgefield UGA expansion, are in litigation. The third area is the Freight Rail Dependent Use Overlay. The district has determined there is sufficient capacity to serve the study areas. However, the County has not determined that these study areas are in compliance with the provisions of RCW 36.70A.110 and extension of sewer service will be prohibited until the County makes that determination. These areas are not included in the 6-year CIP. For the County to adopt the GSP by reference, any projects and or costs related to the study areas must be removed from the GSP 20 year list of projects. Below is the language from the GSP that addresses the study areas:

GSP Service Area & Land Use - Study Areas (pg. 3-12)

The District has studied the following areas as part of this Plan (Study Areas), consistent with the requirements of RCW 57.16.010(2), which requires the District to consider “present and reasonably foreseeable future needs” of the sewer system. (See Maps 2-1712A, B & 3-602A, B). This Plan establishes that the District sewer system has adequate capacity for the Study Areas and that sewer service is feasible for the Study Areas. Because Clark County has not yet approved sewer service for the Study Areas, the District cannot currently extend sewer service to the Study Areas. If Clark County (and the local government with jurisdiction if applicable) approves sewer service for a Study Area, the District then will have authority to extend sewer service to the Study Area. Clark County’s and the local government’s approval must be consistent with the requirements of RCW 36.70A.110 and RCW 57.16.010(7), which states in part that:

“The general comprehensive plan [of the District] shall not provide for the extension or location of facilities that are inconsistent with RCW 36.70A.110.”

Exhibit 3 contains the language in the GSP that addresses the study areas. The proposed amendments to the Comprehensive Plan are attached in Exhibit 1 and Exhibit 2.

BACKGROUND

A Comprehensive General Sewer Plan (CGSP) provides a comprehensive aid in managing and operating a system of public sewers and coordinating expansions, upgrades and renewal of the collection system infrastructure for the next 20 years. The CGSP serves as a guide for policy development and decision making, providing information on the plans for improvements to the sewer system within the District’s service area. The CGSP satisfies the requirements for a general comprehensive plan (GCP) and a general sewer plan (GSP). The GCP is prepared in accordance with the requirements of RCW 57.16.010. The GSP is prepared in accordance with the requirements of RCW 90.48.110 and WAC 173-240-010, 173-240-020, and 173-240-050.

SUMMARY OF PUBLIC INVOLVEMENT PROCESS

A draft of the proposed amendments to the Comprehensive Growth Management Plan 2015-2035 Capital Facilities Element and Appendix E was sent to the Department of Commerce on September 11, 2018 under RCW 36.70A.106. Clark Regional Wastewater District took lead agency status and published a Notice of Determination of Non-Significance and SEPA Environmental Checklist on May 4, 2018. A legal notice was published for the Planning Commission hearing on November 21, 2018.

No public comments have been received.

APPLICABLE CRITERIA, EVALUATION AND FINDINGS

CRITERIA FOR COMPREHENSIVE PLAN POLICY OR TEXT CHANGES

The amendment shall meet all the requirements of and be consistent with the Growth Management Act (GMA) and other requirements, the countywide planning policies, the Community Framework Plan, the comprehensive plan, local comprehensive plans, applicable capital facilities plans and official population growth forecasts. [CCC40.560.010(N)(2)(a)].

Growth Management Act (GMA)

The GMA goals set the general direction for the county in adopting its framework plan and comprehensive plan policies. The GMA lists thirteen overall goals in RCW 36.70A.020 plus the shoreline goal added in RCW 36.70A.480(1). The goals are not listed in order of priority. The GMA goal that applies to the proposed action is Goal 12.

Goal 12 speaks directly to public facilities and services to “ensure that those public facilities and services necessary to support development shall be adequate to serve the development at the time the development is available for occupancy and use without

decreasing current service levels below established minimum standards.” [RCW 36.70A.020(12)].

RCW 36.70A.110(4) Comprehensive Plans - Urban Growth Areas

(4) In general, cities are the units of local government most appropriate to provide urban governmental services. In general, it is not appropriate that urban governmental services be extended to or expanded in rural areas except in those limited circumstances shown to be necessary to protect basic public health and safety and the environment and when such services are financially supportable at rural densities and do not permit urban development.

WAC 365-196-415 Capital Facilities Element

(4) Relationship to plans of other service providers or plans adopted by reference. A county or city should not meet their responsibility to prepare a capital facilities element by relying only on assurances of availability from other service providers. When system plans or master plans from other service providers are adopted by reference, counties and cities should do the following:

- (a) Summarize this information within the capital facilities element;
- (b) Synthesize the information from the various providers to show that the actions, taken together, provide adequate public facilities; and
- (c) Conclude that the capital facilities element shows how the area will be provided with adequate public facilities.

Finding: The proposed amendments reflect CRWWD’s updated general sewer plan and are consistent with the provisions of the GMA.

Community Framework Plan

The Community Framework Plan (Framework Plan) provides guidance to local jurisdictions on regional land use and service issues. The Framework Plan encourages growth in centers, urban and rural, with each center separate and distinct from the others. The centers are oriented and developed around neighborhoods to allow residents to easily move through and to feel comfortable within areas that create a distinct sense of place and community. The Community Framework Plan policies applicable to this proposal include the following:

Goal 6.0 notes “the need for capital facilities to accommodate expected growth and establish policies to ensure that these facilities are available when development is occupied and to provide for the extension of public utilities to new development in a timely manner.” [Framework Plan, page 18] The following capital facilities and utilities policies apply to the proposed action:

6.1.0 Major public and private expenditures on facilities and services (including libraries, schools, fire stations, police, parks and recreation) are to be encouraged first in urban and rural centers.

6.1.1 Establish level-of-service standards for capital facilities in urban and rural areas. [Framework Plan, page 18].

6.2.0 Public sanitary sewer service will be permitted only within urban areas, except to serve areas where imminent health hazards exist.

These framework plan policies are implemented by Clark County Code 40.370.010 Sewerage Regulations. It is the purpose of this section to further the public health by providing clear rules for when connection to public sewer is required or prohibited.

Finding: The proposed amendments reflect CRWWD's updated general sewer plan and are consistent with the Community Framework Plan policies.

Countywide Planning Policies (CWPP)

The GMA, under RCW 36.70A.210, requires counties and cities to collaboratively develop Countywide Planning Policies (CWPP) to govern the development of comprehensive plans. The WAC 365-196-305(1) defines "the primary purpose of CWPP is to ensure consistency between comprehensive plans of counties and cities sharing a common border or related regional issues. Another purpose of the CWPP is to facilitate the transformation of local governance in the urban growth areas, typically through annexation to or incorporation of a city, so that urban governmental services are primarily provided by cities and rural and regional services are provided by counties."

Policy 6.0.15 states "Plans for providing public utility services shall be coordinated with plans for designation of urban growth areas, rural uses and for the transition of undeveloped land to urban uses."

Policy 6.1.2 states "The primary role of Clark County regarding service provisions shall involve the planning and delivery of regional, rather than urban, services. It is the policy of Clark County that, in general, cities or special service districts are the most appropriate units of local government to provide urban governmental services and that, in general, it is not appropriate that urban governmental services be extended or expanded to rural areas except in those limited circumstances shown to be necessary to protect basic public health and safety and the environment and when such services are financially supportable at rural densities and do not permit urban development."

Finding: The proposed amendments reflect CRWWD's updated general sewer plan and are consistent with the policies in the Community Framework Plan and the Countywide Planning Policies.

Comprehensive Growth Management Plan 2015-2035 (2016 Plan)

The 20-year Comprehensive Growth Management Plan contains many policies that guide urban form and efficient land use patterns. The most relevant goals and policies applicable to this application are as follows:

Goal: Ensure that necessary and adequate capital facilities and services are provided to all development in Clark County in a manner consistent with the 20-Year Plan.

6.1.1 Continue to plan for and provide capital facilities and services as necessary to support development consistent with the 20-Year Plan and coordinate and facilitate the planning and provision of such facilities and services by other public or private entities.

6.1.7 Clark County incorporates by reference the sewer and water Capital Facilities Plans of the Clark Regional Wastewater District, Clark Public Utilities and the City of Vancouver. The county should review future changes to these Capital Facilities

Plans on an ongoing basis to ensure that consistency with county capital facility and land use plans is maintained.

Goal: Provide sewer service within urban growth areas efficiently and at least public cost.

6.3.8 Extension of public sewer service shall not be permitted outside urban growth areas, except in response to documented health hazards; or to provide public sewer to regional park facilities, K-12 public schools, in designated rural centers; or where the county has contractually committed to permit public sewer connection.

6.3.9 Sewer service plans shall be coordinated with the 20-Year Plan policies and maps, including urban growth area designations.

Finding: The proposed amendments reflect CRWWD's updated general sewer plan and are consistent with the Comprehensive Growth Plan policies.

RECOMMENDATION AND CONCLUSIONS

Based on the information presented in this report, staff recommends that the Planning Commission forward a recommendation of **APPROVAL** to Clark County Councilors to adopt the Comprehensive plan amendments (Exhibit 1 and 2) and the GSP by reference including the amended language (Exhibit 3). Any projects and or costs related to the study area shall be removed from the GSP 20 year list of projects.

The following table lists the applicable criterion and summarizes the findings of the staff report for CPZ2018-00020. The Planning Commission findings will be added to the table after public deliberation at the Planning Commission hearing scheduled for this application.

COMPLIANCE WITH APPLICABLE CRITERIA		
Criterion for Policy/Text Amendments	Criteria Met?	
	Staff Report	Planning Commission Findings
Consistency with GMA	Yes	
Community Framework Plan	Yes	
Countywide Planning Policies	Yes	
20-Year Comprehensive Plan	Yes	
Capital Facilities Plan	Yes	
Recommendation: Approval	Yes	

Chapter 6

Capital Facilities and Utilities Element

Introduction

Capital facilities and utilities are the basic services which the public sector provides to support land use developments, both as they currently exist and as they are anticipated to develop over the course of the 20-year growth management planning horizon. The Capital Facilities and Utilities Element provide a general summary of how and when these basic services will be provided to support future growth as envisioned by the 20-Year Plan and proposed funding.

The Growth Management Act (GMA) establishes many of the requirements for the Capital Facilities and Utilities Element. The GMA establishes an overall goal to "ensure that those public facilities and services necessary to support development shall be adequate to serve the development at the time the development is available for occupancy and use without decreasing current service levels below locally established minimum standards" (RCW 36.70A.020). The GMA requires that the capital facilities element include an inventory of existing publicly owned capital facilities, a forecast for the future needs for new or expanded facilities and a six-year financial plan. The GMA defines public facilities to include water, sewer, stormwater, schools, parks and recreational facilities, law enforcement and fire protection. The Capital Facilities and Utilities Element is intended to provide a general assessment of major public services which impact land use issues, rather than a detailed analysis of every service provided by government.

The Capital Facilities and Utilities Element must be consistent with the other elements of the 20-Year Plan, particularly the Land Use Element. Future development should be encouraged to occur in generally more compact patterns where public facilities already exist, because it can be served more efficiently and inexpensively than dispersed or sprawling land use patterns. The GMA dictates that "urban growth should be located first in areas already characterized by urban growth that have existing public facility and service capabilities to serve such development and second in areas already characterized by urban growth that will be served by a combination of both existing public facilities and any additional needed public facilities and services that are provided by public or private sources" (RCW 36.70A.110).

Providing new capital facilities in previously undeveloped and unserved areas may in turn lead to new development in dispersed patterns and should also be avoided. The GMA states that "...cities are the units of local government most appropriate to provide urban governmental services. In general, it is not appropriate that urban governmental services be extended to or expanded in rural areas except in those limited circumstances shown to be necessary to protect basic public health and safety and the environment and when such services are financially supportable at rural densities and do not permit urban development."

The GMA also emphasizes the concept of concurrency, which requires that needed public facilities and services be in place, or officially planned and scheduled to be put into place, concurrent with new development. This concept requires cities and counties to establish explicit levels of service, or minimum threshold measures, to determine if particular service is adequately provided. New development applications which cause the minimum levels of service to be exceeded will not be approved unless improvements are made to correct the deficiency or unless corrective measures are scheduled and

funded to occur within a locally established time frame, up to a maximum of six years. The GMA requires that at a minimum level-of-service standards be adopted for transportation. Other services should be reviewed for adequacy, but specific threshold standards are not required to be universally applied. This element is organized into two sections:

- inventory and review of existing facilities and services, along with 6-year future plans for water, sewer, storm drainage, schools, law enforcement, fire, solid waste, libraries, general government buildings, electricity, telecommunications and natural gas services. The Inventory and Capital Facilities Plan for Schools, Transportation and Parks can be found in their respective elements; and,
- policies regarding the provision of these services. The policies provide direction in three areas:
 - ensuring the overall provision of needed facilities and services by public or private agencies;
 - providing direction for the establishment of minimum levels of service and concurrency obligations for new developments to assist in the provision of these services; and,
 - ensuring that the provision of services is fully consistent with overall growth management objectives, which is ultimately linked to the ability to efficiently provide the services in the first place.

Emphasis throughout this document is placed on those services provided by Clark County government and, in particular, on transportation, sewage treatment and storm drainage services which are mandated by the GMA for direct concurrency requirements. Capital facilities plans for all services provided within individual cities of the county are included within the individual comprehensive plans of Battle Ground, Camas, La Center, Ridgefield, Vancouver, Washougal and Yacolt, although available information is included in this document for context. The 6-year capital facility and financing summaries are an estimate of future needs and are not official policy or budget documents of the service providers except where indicated.

Services Summaries and Projected Future Needs

- Table 6.1 summarizes who the providers of services are for the various jurisdictions within Clark County. Additional information regarding city services can be found in each jurisdiction's Capital Facilities Element.
- Table 6.2 attempts to isolate the direct capital costs attributable to Clark County over the next six years. In cases where services are provided by outside agencies, Table 6.2 estimates the direct costs of providing service to county residents only. Table 6.2 also attempts to exclude services constructed by developers as part of the development process, such as road, sewer, water, or storm drainage extensions or improvements.

Direct and Indirect Concurrency Services

Direct concurrency will be applied on a project by project basis for public facilities of streets, water and sanitary sewer. While the GMA requires direct concurrency only for transportation facilities, this plan extends the concept of direct concurrency to cover other critical public facilities of water and sanitary sewer. Indirect services include schools, fire protection, law enforcement, parks and open space, solid waste, libraries, electricity, gas and government facilities.

Table 6.1 | Direct and Indirect Concurrency Services in Clark County

Service	Battle Ground	Camas	La Center	Ridgefield	Vancouver	Washougal	Yacolt	County
DIRECT								
Transportation	City	City	City	City	City	City	City	County
Water Supply System	City	City	CPU	City	City	City	CPU	CPU, Vancouver
Sanitary Sewer Collections Services	City	City	City	City Clark Regional Wastewater District	City	City	NA	CPU, Clark Regional Wastewater District, Vancouver
Sewage Treatment Facilities	County Discovery Cleanwater Alliance	City	City	City Clark Regional Wastewater District, Discovery Cleanwater Alliance	City	City	NA	County Discovery Cleanwater Alliance, Vancouver
INDIRECT								
Public Schools	Battle Ground S.D.	Camas S.D.	La Center S. D.	Ridgefield S.D.	Vancouver, Camas, Evergreen S.D.	Washougal, Camas S.D.	Battle Ground S.D.	NA
Fire Protection	City Fire Marshal City provides facilities; F.D. #3 provides personnel	City Camas-Washougal Fire Department	District 14 Clark County Fire and Rescue	District 12 and City Fire Marshal; Clark County Fire and Rescue	City	City Camas-Washougal Fire Department	F.D. #13	All non-municipal fire districts
Law Enforcement	City	City	City	City	City	City	Sheriff's Department	Sheriff's Department
Solid Waste	Private Hauler	City	Private Hauler	Private Hauler	Private Hauler	Private Hauler	Private Hauler	Private Hauler
Libraries	FVRLS	City	FVRLS	FVRLS	FVRLS	FVRLS	FVRLS	FVRLS
Government Buildings	City	City	City	City	City	City	City	County
Electricity	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
Natural Gas	NW Natural Gas	NW Natural Gas	NW Natural Gas	NW Natural Gas	NW Natural Gas	NW Natural Gas	NA	NW Natural Gas

FVRLS--Fort Vancouver Regional Library System, NA--Not Applicable, CPU--Clark Public Utilities

Table 6.2 | Summary of Estimated 6-Year Capital Facilities Expenditures in Clark County

Service or Utility	Major Capital Projects	Estimated Cost	Funding Sources
Transportation	2016-2021 Transportation Improvement Program	\$163,818,000	<ul style="list-style-type: none"> County Road Fund Traffic Impact Fees Federal and State Grants
Water	Well source, storage and distribution	\$50,090,000	<ul style="list-style-type: none"> Systems charges Contributed capital
Sewer Collection and Treatment	Treatment plant and interceptor system expansions	\$59,987,700 64,840,700	<ul style="list-style-type: none"> Rates and charges Revenue bond sale
Stormwater Drainage	Develop regional drainage facilities, complete drainage basin studies, Stormwater treatment retrofit and repair	\$9,603,000	<ul style="list-style-type: none"> Future Drainage Utility (or similar mechanism) and systems development charges Existing drainage fund
Schools	New Facilities and expansions of existing facilities	\$585,479,377	<ul style="list-style-type: none"> Impact Fees Voter Approved Bonds State Matching Funds
Fire Protection	Land acquisition, construction, remodel of stations and purchase of vehicles	\$37,420,000	<ul style="list-style-type: none"> Bonds Dedicated tax revenue
Law Enforcement/ Corrections	Expansion of detention facilities, construction of new administrative bldg.	\$98,200,000 to \$108,200,000	<ul style="list-style-type: none"> General Obligation Bonds REET Grants
Solid Waste and Recycling	Land acquisition and construction of new compost facility. Central, Transfer Station Site Improvements	\$4,000,000	<ul style="list-style-type: none"> User fees State grants
Libraries	Two new libraries in Washougal and Ridgefield	\$9,000,000	<ul style="list-style-type: none"> Capital reserves Capital bonds Private donations
Parks and Recreational Facilities	Acquisitions, park development, improvements and repairs	\$110,639,231	<ul style="list-style-type: none"> County General Fund Impacts Fees REET Bonds
Government Buildings	Completed administrative space and expanded facilities including 78 th Street/WSU Extension Service property	\$167,000,000	<ul style="list-style-type: none"> Bonds financed through REET

Note 1: Schools, Fire Protection and Libraries costs pertain to the entire county, incorporated and unincorporated areas. Other services pertain only to the unincorporated areas.

Note 2: Electricity and natural gas are not included in the Table as users are assessed direct fees for service.

Transportation

The capital facilities plan for transportation, including a projection of six-year needs and policies regarding concurrency requirements for the county are included in Chapter 5, Transportation. Transportation services include provisions for roads and associated improvements, transit and pedestrian and bicycle systems.

Water

Water service is an essential element of all types of land uses. Water supply development must consider the needs of threatened and endangered species. The majority of water users in the county are served by public water suppliers. The county does not own or operate public water systems. In the urban areas of Clark County, public water is provided by the cities of Battle Ground, Camas, Ridgefield, Vancouver,

Washougal and Clark Public Utilities (CPU), a publicly owned utility which serves unincorporated areas of the county and the City of La Center's and Town of Yacolt water systems.

Extensive water service in the central portion of the county, in portions of the unincorporated Vancouver Urban Growth Area, is provided by CPU. In some of the more remote rural areas of the county where water service is not readily available, CPU manages "satellite water systems" which serve small developments and clusters of homes. The Clark County Coordinated Water System Plan, was last updated in 2011, defined service boundaries and established policies for the provision of water service in the county. For further information on water provisions for the individual water purveyors, refer to their respective Water System Plan.

The water providers' systems consist of three basic components: source, storage and distribution/transmission. The source for virtually all water in Clark County, public or private, is from groundwater aquifers. Although adequate water supplies for individual domestic or small consumption commercial wells can be found in most parts of the county, aquifers capable of yielding large amounts of water for extended periods of time, without environmental impacts, are less common. Identifying and developing adequate water supply to meet future demand is essential in order to ensure the continued growth and economic viability of Clark County. County officials in Clark, Skamania, and Cowlitz counties adopted the Salmon-Washougal & Lewis Watershed Management Plan Water Resource Inventory Areas (WRIAs) 27-28, in July, 2006. The plan recognizes that new groundwater supplies should be developed in the tidally influenced areas of the Columbia River, near large sources, where the tidally influenced rivers and groundwater discharging to the Columbia River have a negligible effect on upper basin river and stream flows. Individual water providers are required under the federal Safe Drinking Water Act to monitor the water quality of their production wells, subject to the review of the State Department of Health.

Although the physical water carrying capacity is determined by the capital facilities constructed for each water system, the source of supply of an individual purveyor is determined by the allocation of water rights issued by the Washington State Department of Ecology. A groundwater permit exemption allows groundwater withdrawal for a single home or group of homes, such as a small subdivision, limited to 5,000 gallons per day and watering a lawn or garden up to ½ acre in size. Water rights are prioritized by seniority, which includes exempt wells for the amount of water that is beneficially used. The Department of Ecology must find that no previously established water rights will be impaired by a proposed junior withdrawal.

Clark Public Utilities, the principal purveyor within the unincorporated area, obtains water from 66 production wells throughout the county, including satellite water systems, with a pumping capacity of approximately 20,800 gallons per minute. To ensure readily available water supplies, CPU also maintains 37 reservoirs comprising a total storage capacity of 20.4 million gallons. CPU currently has 8 emergency interconnections or interties: 3 with the City of Battle Ground, 3 with the City of Ridgefield and 2 with the City of Vancouver. Clark Public Utilities projected future needs and funding sources are summarized in Table 6.3.

Table 6.3 | Summary of Clark Public Utilities

Projects	Estimated Cost	Reason for Need	Funding Source
Project Type : 21 - General Plan	\$670,000	Concurrency items; needed to maintain adequate water service	System charges, rates and bonds
Project Type : 53 - Reservoirs & Boosters	7,970,000	Concurrency items; needed to maintain adequate water service	System charges, rates and bonds
Project Type : 54 - Main /Upgrades	29,500,000	Concurrency items; needed to maintain adequate water service	System charges, rates and bonds
Project Type : 56 - Source of Supply	9,200,000	Concurrency items; needed to maintain adequate water service	System charges, rates and bonds
Project Type: 58 –Meters/Meter Installation	2,750,000	Concurrency items; needed to maintain adequate water service	System charges, rates and bonds
Total	\$50,090,000		

Source: Clark Public Utilities Capital Facilities Plan (2016-2021)

Clark Public Utilities is funded by user fees and system development charges. CPU uses bonds, rates and system development charges to fund their capital facilities plan. Contributed capital consists of developer driven improvements that connect to the water system. Total costs through 2021 are estimated at \$50,090,000. The CPU Plan contains the necessary requirements of RCW 36.70A.070 (3), including inventories, forecasts and analyses of future plans and financing mechanisms. Clark County incorporates the CPU Water System Plan into the County’s Capital Facilities Plan. Future changes made to the CPU Plan should be reviewed for consistency with county plans on an annual basis.

Clark Public Utilities has reviewed the adopted county land use designations and the adopted countywide population target of 577,431 and has determined that the CPU Water System Plan is fully consistent with the land use provisions and the additional service demands which they entail, subject to the timely issuance of approvals and permits by Clark County.

Water is also supplied to individual homes through the use of private wells. The number of private wells in the county has been estimated at 17,000 to 25,000. Use of private wells is subject to the review and approval of Clark County Public Health. Private wells continue to be the primary water source in the rural area, but should be aggressively phased out within the urban area as public water becomes fully available. (Readers interested in water service provisions for individual cities within Clark County should refer to each water provider’s Water System Plans and each city’s 20-Year Capital Facility Plans.)

The collective water provisions of the individual city and outside agency capital facilities plans are consistent with the Land Use Element of the 20-Year Plan. Outside of urban growth areas, there is limited public water provision and future expansions are generally discouraged by policies of the Land Use and Capital Facilities Elements of the 20-Year Plan. Rural water provision is provided by Clark Public Utilities, or by individual or group private wells, subject to the review of Clark County Public Health.

Within unincorporated Urban Growth Areas other than Vancouver UGA, the 20-Year Plan Map has designated very little land for short term urban density development which would require public water service. These UGA lands are affixed with an "Urban Holding" overlay designation, which explicitly precludes urbanization until a site-specific demonstration of service ability is made. Provision for lands within corporate limits is addressed in the city comprehensive plans.

Within the Vancouver UGA there is a substantial amount of land under county jurisdiction which is designated for near term urban development without the Urban Holding Overlay. Clark Public Utilities is the water purveyor for a large portion of the Vancouver UGA north of the Burlington Northern Rail Road tracks. See the water service area map in the 2011 Clark County Coordinated Water System Plan Update for specific service areas. The City of Vancouver formally adopted a Capital Facilities Plan in 2014 specifying how their water service area would be served. The City Department of Public Works reviewed the proposed county land use designations and the 2035 countywide population projection of 577,431 and concluded that projected population in the Vancouver service area can be served by the central facilities listed within the city's adopted Capital Facilities Plan. Additional line extensions needed to serve the higher population would be financed by development proposals.

Sanitary Sewer/Treatment Plant

Clark County no longer provides wastewater collection, having transferred operation of its collection system to the Clark Regional Wastewater District (formally Hazel Dell Sewer District) in 1993 and treatment system to the Discovery Clean Water Alliance (Alliance) in 2015. Sanitary sewer services in Clark County are provided by the Cities of Vancouver, Washougal, Camas, Battle Ground and La Center, as well as Clark Regional Wastewater District (District). In general, the city sewer districts tend to be slightly larger than current city boundaries and Vancouver, Washougal, Camas and La Center have their own sewage treatment facilities. For further information on sewer provisions for the individual cities, refer to the respective city's comprehensive plans.

Within the county's unincorporated urban area, sanitary sewer service is provided by the City of Vancouver and the Clark Regional Wastewater District. The Vancouver service area encompasses over 55 square miles, extending well beyond city limits to Vancouver Lake to the west, 202nd Avenue to the east and NE 99th Street to the north. The Vancouver system includes two treatment plants and an industrial pretreatment lagoon.

The Clark Regional Wastewater District encompasses more than 47 square miles and serves a population of approximately 100,000 within the unincorporated urban area north and northeast of Vancouver, portions of the Orchards area and Hockinson and Meadow Glade and the City of Ridgefield. Effective January 1, 2014 the City of Ridgefield transferred ownership of their collection system to the District. The District completed construction of phase one of the Discovery Corridor Wastewater Transmission System (DCWTS) in 2016. DCWTS provides a way for wastewater generated in Ridgefield to be conveyed south into the District's central service area for treatment at the Salmon Creek Wastewater Treatment Plant. The District's service area within the unincorporated Vancouver Urban growth area is estimated to be developed at 60 percent of full coverage based on 2016 population.

Projected needs and funding sources for the Clark Regional Wastewater District are included in the District's Comprehensive General Sewer Plan (GSP), ~~December 2017~~ . ~~March 2001 (with amendments in June 2006 and March 2013)~~ which incorporates the ~~City of Ridgefield General Sewer Plan, March 2013~~. These plans have the necessary contents required by RCW 36.70A.070 (3), including inventories, forecasts and analyses of future plans and financing mechanisms. The District has reviewed the proposed county land use designations and determined that the plans are fully consistent with these provisions and the additional service demands which they entail. ~~The District is currently in the process of updating these plans. This update will be reviewed for consistency with the County's Comprehensive Plan.~~ Annually the District updates and adopts a six-year capital improvement program. The current adopted six-year program for the period of ~~2016-2021~~ ~~2017-2022~~, consistent with the GSP, is

summarized in Table 6.4 below. The program presents figures for both capital projects, new infrastructure and capacity, and restoration and replacement (R&R) projects, which represents re-investment in existing infrastructure.

Table 6.4 | Clark Regional Wastewater District: 6-yr Capital Program Summary, 2016-2021-2017-2022

Projects	Estimated Cost	Reason for Need	Funding Source
General Facilities	\$18,089,100	New capacity	Rates and charges
District Installed Infrastructure	\$1,000,000	New capacity	Rates and charges
Septic Elimination Program	\$750,000	New capacity	Rates and charges
Developer Reimbursement	\$9,460,000	New capacity	Rates and charges
CIP – Fleet & Facilities	\$220,000	New capacity	Rates and charges
R&R – Gravity	\$5,366,500	Aging infrastructure	Rates and charges
R&R – Pump Stations & Force Mains	\$2,440,100	Aging infrastructure	Rates and charges
R&R – Fleet & Facilities	\$1,922,000	Aging infrastructure	Rates and charges
Total	\$39,247,700		

	(MILLIONS OF \$)		
	R&R PROJECTS	CAPITAL PROJECTS	GRAND TOTAL
6-YEAR CIP (2017-2022)	10.34	36.76	47.10
<i>Salmon Creek Service Area</i>	8.19	36.13	44.32
Vancouver UGA	7.73	22.08	29.81
Ridgefield UGA	0.46	14.05	14.51
<i>Westside Service Area (WVUGA)</i>	2.15	0.63	2.78
Reason for Need	Aging infrastructure	New capacity	
Funding Source	Rates and charges	Rates and charges	

Source: Clark Regional Wastewater District Approved Budget GSP.

Note: R&R Service area in the Table above stands for Restoration and Replacement refers to the treatment plan.

APPENDIX E

Capital Facility Plans Review and Analysis

FACILITIES AND SERVICES CFP REVIEW

Sanitary Sewer Systems

In a similar fashion to water, sewer service to the urban areas is generally provided by the jurisdiction associated with each urban area with the exceptions of Vancouver, Battle Ground, Ridgefield and the Three Creeks Special Planning Area. Sewer capital facilities plans provide for sewage collection and treatment to meet the expected needs of the future population. The provision of treatment capacity in some areas may represent a constraint in the timing of urban development, as major expansions to treatment capacity are necessary to accommodate the growth. Some of these constraints have been relieved through regional cooperation between sewer system providers.

Sewer Service Areas

Sewer service is confined to the urban areas (as shown in the Existing Inventories) except where sewer was extended to address declared health emergencies or regional public facilities. For the most part, the jurisdictions associated with particular urban areas are the providers of sewer service.

Clark Regional Wastewater District (District) provides sewer service to the Three Creeks Special Planning Area, the northeastern section of the Vancouver Urban Growth Area and the Ridgefield Urban Growth Area. Treatment for service within the District is provided at the Discovery Clean Water Alliance (Alliance) Salmon Creek and Ridgefield Sewage Treatment Plants and the City of Vancouver's Westside Treatment Plant. The City of Battle Ground conveys all of its wastewater through Alliance transmission system to the Salmon Creek Wastewater Treatment Plant and treatment system. The City of Ridgefield transferred the ownership and operation of its collection system to the District effective January 1, 2014 and the Ridgefield Treatment Plant to the Alliance effective January 1, 2015.

Analysis

The following analysis reviews the required components under RCW 36.70A.070 (3). The county completed a comprehensive review of the resource documents submitted by the service providers which are incorporated by reference in the Resource Document section of this Appendix.

1. Does the CFP contain an inventory of existing publicly owned facilities, with location and capacities?

Discovery Clean Water Alliance, Vancouver and Washougal contain a detailed inventory of publicly-owned facilities, including location and capacities. A summary of current facilities and their associated capacity is listed below.

Table E.10 | Wastewater Treatment Facilities Inventory

Agency	Type of Treatment	Design Flow Maximum Calendar Month (MGD)*	Actual Flow Average Calendar Month 2015 (MGD)*	Actual Flow Minimum Calendar Month 2015 (MGD)*	Actual Flow Maximum Calendar Month 2015 (MGD)*	Sludge Disposal Method
Discovery Clean Water Alliance						
Salmon Creek Treatment Plant	Secondary Activated sludge treatment	14.95	7.31	6.24	10.73	Land Application
Ridgefield Treatment Plant	Secondary Activated sludge treatment	0.70	0.33	0.23	0.60	Transferred to Salmon Creek Treatment Plant
City of Camas	Secondary Activated sludge treatment	8.42	2.3	1.9	3.1	Land Application
City of La Center	Secondary Activated sludge treatment	0.56	0.27	0.21	0.32	Land Application and Silviculture
City of Vancouver Westside	Secondary Activated sludge treatment	28.3	10.4	8.3	14.5	Incineration at the Westside Plant. Ash disposed at the Boardman Landfill
Marine Park	Secondary Activated sludge treatment	16.0	10.7	8.5	14.9	
Industrial Pretreatment	Secondary Lagoons Facultative treatment	3.2	1.52	0.8	2.6	
City of Washougal	Secondary Activated sludge treatment	2.24	1.2	1.06	1.49	Land Application

*Millions of gallons per day

2. A forecast of future needs is provided that is consistent with the land use plan that the Board identified on February 23, 2016.

The cities of **Battle Ground, Camas, La Center, Vancouver and Washougal, Clark Regional Wastewater District and the Discovery Clean Water Alliance** have completed forecasts of future needs for wastewater capital facilities. These plans were based on assumptions of future households and ERUs equal to or greater than the future needs that would result from the Comprehensive Land Use map.

Town of Yacolt does not have a public sanitary sewer system. Residents use individual onsite wastewater treatment and disposal systems—septic systems. There are 395 septic systems within the community. Septic system discharge risks contaminating groundwater—the drinking water supply for the town. Use of septic systems has stymied development at urban densities in the community. In 2012 the Town completed a Facility Plan for the future public sanitary sewer system and received approval from the Department of Ecology on August 1, 2012. This facility plan was incorporated into the Town’s Comprehensive Plan in 2013 and is consistent with the land use plan the Board identified on February 23, 2016.

3. A listing is provided of proposed expansions to capital facilities or new capital facilities that are capable of providing for the needs identified in the forecast. This should be a "20-year listing" since the land use plan covers a 20-year period.

Discovery Clean Water Alliance Capital Facilities Plan (2014) has provided a 20-year list of proposed capital projects that are capable of providing for the needs identified in the forecast.

The total program cost is identified at \$100,560,000 in 2014 dollars. Salmon Creek Wastewater Treatment Plant (SCWTP) Phase 5 and 6 improvements, line extensions and pump stations necessary to serve the urban expansion areas are identified and costs for providing these facilities have been estimated.

Clark Regional Wastewater District has provided a 20-year list of proposed capital facilities that are capable of providing for the needs identified in the forecast. The total program cost is \$~~122,989,428~~ **106,580,000** within the unincorporated Vancouver urban growth area and \$~~36,890,000~~ **40,640,000** in the Ridgefield Urban Growth Area. Line extensions and pump stations necessary to serve the urban expansion areas within its service district are identified and costs for providing these facilities have been estimated.

City of Battle Ground's Plan includes a list of proposed projects totaling \$19,170,000 in 2015 dollars, to accommodate 20-year growth projections. The city may also share in the costs of SCWTP capacity improvements for Phases 5 and 6, since their growth is dependent upon plant expansion.

City of Camas's Plan includes a \$24.2 million list of expansions and new wastewater capital projects proposed as part of the city's 20-year CFP. The listing does not address any major expansion of capacity for the wastewater treatment plant, which is expected to reach capacity in 2015. Currently, Camas is working on preliminary engineering for the wastewater facility upgrade that will provide capacity for at least the next 20 years. The city is in the process of securing a public work trust fund loan to build the expansion.

City of La Center's Plan contains a list of 20-year system improvements and capacity upgrades that total \$34,697,000 to accommodate La Center's 2036 population growth. The city is planning for future commercial and industrial development at the La Center I-5 Junction. The city has the treatment capacity to serve the Junction but does not have the collection system in place.

City of Vancouver's Comprehensive Plan shows planned sewer improvements through 2021. The city's Comprehensive Plan indicates existing sewer system meets all federal and state standards and has adequate capacity for existing and future demands. The city's sanitary sewer capital programs and projects consist of \$73 million of public projects of the next 20 years.

City of Washougal's CFP has collection system improvements and treatment facilities totals equaling \$39,267,000 to accommodate additional growth over the next 20 years.

Town of Yacolt's Comprehensive Growth Management Plan contains a 20-year list of wastewater management projects including the estimated costs and financing methods to be used. Long-term costs for Yacolt's wastewater management program were estimated to be \$4,752,000 - \$5,017,000 through year 2029.

- A 6-year financial plan is developed for funding those expansions or new capital facilities that are expected to be needed within the first 6-years of the plan. That financial plan must be fully balanced. The identified needs must have known funding sources (even if those funding sources may require voter approval).***

Clark Regional Wastewater District ~~2016 adopted Budget~~ **Comprehensive General Sewer Plan (GSP)** contains a 6-year program of system improvements for the period of ~~2016-2021~~ **2017-2022**. The District service area includes the unincorporated Vancouver Urban Growth area and the Ridgefield Urban Growth Area. A listing of capital improvement projects to provide for service to each urban growth area is included. The ~~2013 Amended General Sewer Plan~~ (**2017 GSP**) shows

improvements and estimated costs. System components needed to support the proposed growth include: interceptor sewers, trunk sewers, 8” and smaller service lines, pump stations, and related appurtenances. Table E.11 shows the 6-yr Capital Improvement program costs. The district’s funding sources for capital improvements include but are not limited to the following: revenue bonds, utility local improvement districts, connection charges, **rates**, developer contributions and extensions, grants and loans.

Table E-11 | Clark Regional Wastewater District 2016-2021 6-Year Capital Program Summary

Capital Facility Project Type	Number of Projects	Cost	Funding
General Facilities	49	\$18,089,100	\$18,089,100
District Installed Infrastructure	4	\$1,000,000	\$1,000,000
Septic Elimination Program	4	\$750,000	\$750,000
Developer Reimbursement	13	\$9,460,000	\$9,460,000
CIP – Fleet & Facilities	2	\$220,000	\$220,000
R&R – Gravity	8	\$5,366,500	\$5,366,500
R&R – Pump Stations & Force Mains	9	\$2,440,100	\$2,440,100
R&R – Fleet & Facilities	13	\$1,922,000	\$1,922,000
Total	66	\$39,247,700	\$39,247,700

	(MILLIONS OF \$)					
	R&R PROJECTS		CAPITAL PROJECTS		TOTAL COST	FUNDING
	Number of Projects	Cost	Number of Projects	Cost		
6-YEAR CIP (2017-2022)	16	10.34	34	36.76	47.10	47.10
<i>Salmon Creek Service Area</i>	<i>15</i>	<i>8.19</i>	<i>33</i>	<i>36.13</i>	<i>44.32</i>	<i>44.32</i>
<i>Vancouver UGA</i>	<i>13</i>	<i>7.73</i>	<i>19</i>	<i>22.08</i>	<i>29.81</i>	<i>29.81</i>
<i>Ridgefield UGA</i>	<i>2</i>	<i>0.46</i>	<i>14</i>	<i>14.05</i>	<i>14.51</i>	<i>14.51</i>
<i>Westside Service Area (WVUGA)</i>	<i>1</i>	<i>2.15</i>	<i>1</i>	<i>0.63</i>	<i>2.78</i>	<i>2.78</i>

City of Battle Ground has identified capital facility needs, costs and funding sources for the proposed expansion areas shown in the Comprehensive Plan Land Use map. Several funding sources exist in addition to those listed in Table E.12 below such as local improvement district, connection charges, revolving loan fund program, developer funding and State/Federal funding programs.

Table E.12 | Battle Ground 2016-2021 6-Year CFP Sewer Summary

Capital Facility Project Type	Number of Projects	Cost	Funding
Mainline Repairs	7	\$1,270,000	\$1,270,000
Pump Stations Rehabilitation or Replacements	2	350,000	350,000
General Facilities	4	670,000	670,000
TOTAL	13	\$2,290,000	Revenue Bonds and Public Works Trust Fund

City of Camas has indicated in their adopted March 2004 capital facilities plan sewer facility costs. Table E.13 lists capital needs, costs and funding sources for their projects. The last line item in table below shows costs associated with the October 24, 2006 expansion.

Table E.13 | Camas 2016-2021 6-Year CFP Sewer Summary

Capital Facility Project Type	Number of Projects	Cost	Funding
Main Lift Station Upgrade	1	\$1,352,000	\$1,352,000
Step System	3	3,767,000	4,217,000
Sewer Main Repair & Replacement	3	225,000	225,000
Joy Street Sewer Main Extension	1	1,338,480	1,338,480
Treatment, pumping, trunk collection lines	N/A	12,700,000	12,700,000
TOTAL	8	\$19,382,480	System Development and Developer Financing

City of La Center has assumed responsibility from Clark Public Utilities for their sewer system. The city has proposed system improvements to accommodate proposed growth in the February 23, 2016 map. La Center has several funding options for capital improvements such as local improvement districts, bonds, connection charges, revolving loan fund program, developer financing and state and federal funding programs. Table E.14 displays capital needs and costs. At this time, financing system projects will require La Center to acquire debt.

Table E.14 | La Center 2016-2021 6-Year CFP Sewer Summary

Capital Facility Project Type	Number of Projects	Cost	Funding
Treatment plant design, general sewer plan	2	\$15,880,000	\$5,880,000
New pump stations and sewer lines	12	\$11,051,000	\$11,051,000
Construct treatment plant	1	\$6,850,000	\$6,850,000
TOTAL	15	\$33,781,000	General obligation

City of Vancouver sanitary sewer capital programs and projects are listed in Table E.15 below. Conversations with city staff indicate that identified capital programs and projects can provide service for the proposed growth in the Comprehensive Plan Land Use map. The table below shows capital needs from 2016 to 2021.

Table E-15 | Vancouver 2016-2021 6-Year CFP Sewer Summary

Capital Facility Project Type	Cost	Funding
Westside Sewer Treatment	\$4,735,000	\$4,735,000
Marine Park Sewer Treatment	620,000	620,000
Both Westside and Marine Park Sewer Treatment	3,480,000	3,480,000
Sewer Collection	13,672,000	13,672,000
TOTAL	\$22,507,000	System Development and Developer Financing

City of Washougal's July Sewer System Capital Facility Plan lists improvements that can serve the proposed growth in October 24, 2006 map. Table E.16 below shows the city's capital needs. Washougal estimates that they will have to finance approximately \$19 million over the next six years.

Table E.16 | Washougal 2016-2021 6-Year CFP Sewer Summary

Capital Facility Project Type	Number of Projects	Cost	Funding
Pump station upgrade and force main	2	\$2,063,000	\$2,063,000
Trunk sewer	1	838,000	838,000
Relief sewer	1	1,116,000	1,116,000
Stiles Road interceptor	1	1,916,000	1,916,000
Interceptor upgrades	1	326,000	326,000
Treatment plant expansion	3	23,490,000	23,490,000
TOTAL	9	\$29,749,000	System Development and Developer Financing

Town of Yacolt lists capital expenses for 2013-2018 in their 2013 Comprehensive Growth Management Plan. Yacolt has proposed adding Urban Reserve to the February 23, 2016 map. According to the GMA, sewer service must be provided in urban areas. Therefore, GMA regulations do not apply for this proposed urban reserve area.

Table E.17 Yacolt 2016-2021 6-Year CFP SEPTIC Summary

Capital Facility Project Type	Cost	Funding
Applications for wastewater management program funding	\$26,000	\$26,000
Collection system engineering report	24,000	24,000
Treatment plan facility plan	88,000	88,000
Install septic tank inspection ports	217,500	217,500
Septic Tank Inspection Study	21,600	21,600
TOTAL	\$377,100	Grants and Loans

Discovery Clean Water Alliance lists the projected 6-year capital improvements required for the regional treatment plants and transmission system in their Capital Plan. The Alliance provides services to the District and City of Battle Ground at the Salmon Creek and Ridgefield Treatment Plants.

Table E.18 | Discovery Clean Water Alliance 2016-2021 Capital Plan Summary

Capital Facility Project Type	Cost	Funding
Regional Treatment	\$17,700,000	\$17,700,000
Regional Conveyance	\$2,590,000	\$2,590,000
TOTAL	\$20,290,000	\$20,290,000

RESOURCE DOCUMENTS

City of Battle Ground

1. City of Battle Ground, Comprehensive Water System Plan, May 2013.
2. City of Battle Ground, 2015 General Sewer Plan, November 2015.
3. City of Battle Ground, Stormwater Management Plan, 2015-2035, August 2015.
4. City of Battle Ground, Fire Capital Facilities Plan, Adopted September 1999, Update April 2005.
5. City of Battle Ground, Transportation System Plan Update, 2015-2035, June 2015.

City of Camas

1. City of Camas, Comprehensive Plan, March 2016.
2. City of Camas, Capital Facilities Plan 2004-2009 & 2010-2023, March 2004.
3. City of Camas, Water Systems Plan, June 2010.
4. City of Camas, General Sewer/Wastewater Facility Plan, May 2007, revised November 2009.

City of La Center

1. City of La Center, General Sewer Plan, March 2013.
2. City of La Center, Final Draft General Sewer Plan, March 2013.
3. City of La Center, Comprehensive Plan, March 1, 2016.
4. City of La Center, Transportation Capital Facilities Plan, December 2004.
5. City of La Center, letter from Jeff Sarvis, La Center Public Works Director to the then Clark Board of County Commissioners, dated July 10, 2014.

City of Ridgefield

1. ~~City of Ridgefield, General Sewer Plan, Volumes I and II, March 2013.~~
2. City of Ridgefield, Comprehensive Plan, 2016-2035.
3. City of Ridgefield, Water System Plan Update, September 2013.
4. City of Ridgefield, Transportation Improvement Program, 2016-2021.

City of Vancouver

1. City of Vancouver, Comprehensive Water System Plan, December 2015.
2. City of Vancouver, Capital Facilities Plan, 2015-2018.
3. City of Vancouver, Comprehensive Plan 2011-2030.
4. City of Vancouver, Capital Improvement Program for Water, Sewer, Surface Water 2016-2021, July 13, 2015.
5. City of Vancouver, Transportation Improvement Program (TIP), 2016-2021.

City of Washougal

1. City of Washougal, Sewer System Capital Facility Plan, Update July 2006.
2. City of Washougal, Water System Plan Update, June 2012.
3. City of Washougal, Draft Transportation Capital Facilities Plan and associated Traffic Impact Fees, Update July 2006.
4. City of Washougal, Capital Facilities Plan 2006.

City of Woodland

1. City of Woodland, Comprehensive Plan (Capital Facilities Plan Element), October 2005.

Town of Yacolt

1. Town of Yacolt, Comprehensive Growth Management Plan Update, April 2013.

C-TRAN

1. 20 Year Transit Development Plan: A Comprehensive Strategy to Meet Public Transportation Needs for Clark County Residents, June 8, 2010.

Clark Public Utilities

1. Clark Public Utilities Water System Plan, February 2003, Updated CFP project lists, March 2004 and March 2007.

Clark Regional Wastewater District

1. Clark Regional Wastewater District, Comprehensive General Sewer Plan Amendment (Final), ~~March 2013~~ December 2017.
2. ~~Clark Regional Wastewater District, Capital Facilities plan, June 2006.~~
3. ~~Clark Regional Wastewater District, Six Year Capital Program 2014-2019.~~

Clark County Environmental Services

1. Stormwater Management Plan 2016, March 2016.
2. Stormwater Capital Program 2013-2018.

Clark County General Services

1. Capital Inventory 2015.

Clark County School Districts

1. Battle Ground School District Capital Facilities Plan 2015-2021, May 2015.
2. Evergreen School District Capital Facilities Plan 2015-2021, May 2015.
3. Ridgefield School District Capital Facilities Plan 2015-2021, June 2015.
4. Camas School District Capital Facilities Plan 2015-2021, May 2015.
5. Vancouver School District Capital Facilities Plan 2015-2021, May 2015.
6. Hockinson School District Capital Facilities Plan 2015-2021, May 2015.
7. La Center School District Capital Facilities Plan 2015-2021, June 2015.
8. Green Mountain School District Capital Facilities Plan 2015-2021, May 2015.
9. Washougal School District Capital Facilities Plan 2015-2021, May 2015.

Clark County Parks

1. Clark County Parks, Recreation and Open Space Plan, July 2015.

Clark County Public Works

1. Clark County Transportation Improvement Program (TIP) 2016-2021, November 2015.
2. Clark County Road Log 2015.

Clark County Water Utility Coordinating Committee

1. Clark County Coordinated Water System Plan Update, Regional Supplement, November 2011.

STUDY AREAS

The District has studied the following areas as part of this Plan (Study Areas), consistent with the requirements of RCW 57.16.010(2), which requires the District to consider “present and reasonably foreseeable future needs” of the sewer system. (See Maps 2-1712A, B & 3-602A, B). This Plan establishes that the District sewer system has adequate capacity for the Study Areas and that sewer service is feasible for the Study Areas. Because Clark County has not yet approved sewer service for the Study Areas, the District cannot currently extend sewer service to the Study Areas. If Clark County (and the local government with jurisdiction if applicable) approves sewer service for a Study Area, the District then will have authority to extend sewer service to the Study Area. Clark County’s and the local government’s approval must be consistent with the requirements of RCW 36.70A.110 and RCW 57.16.010(7), which states in part that: “The general comprehensive plan [of the District] shall not provide for the extension or location of facilities that are inconsistent with RCW 36.70A.110.”

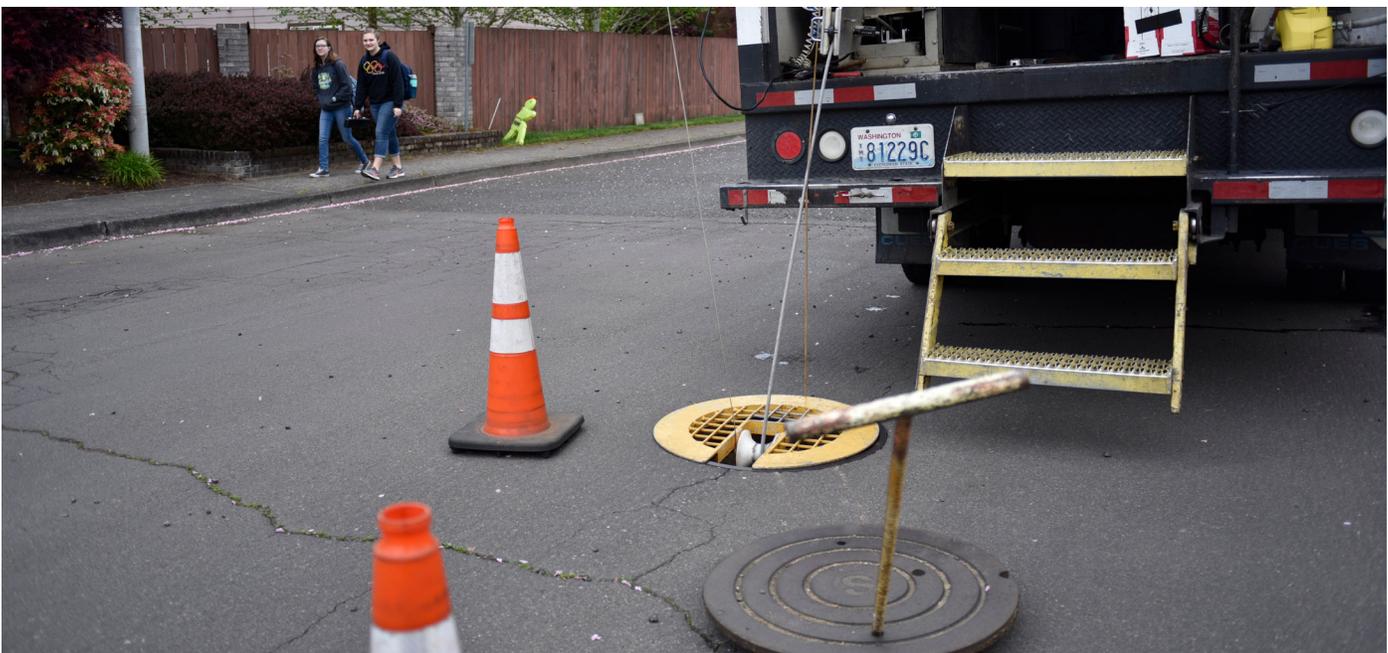
- » **Rural Industrial Land Bank adjacent to the Vancouver UGA.** This area has been designated as a future industrial hub by Clark County and an Industrial Urban Reserve. In 1996, the GMA was amended to allow major industrial developments to be sited outside of urban growth areas where there is a specific development application.

Section 36.70A.367 RCW allows counties to establish up to 2 rural industrial land banks with the intent that they develop as industrial properties.

- » **Freight Rail Dependent Uses Overlay.** In accordance with 3ESB 5517, this area has been designated for freight rail-dependent uses, which are buildings and other infrastructure used in the fabrication, processing, storage and transport of goods where the use is dependent on and makes use of an adjacent short line railroad.
- » **Allen Creek West Expansion Study Area adjacent to the Ridgefield UGA.** This area has been annexed by the City of Ridgefield.

3.3.2 Zoning

Zoning within the District service area is presented in Figure 3.8. Zoning is determined by the local government with land use jurisdiction over that portion of the service area, which includes the cities as well as Clark County. The zoning is generally classified as commercial, office, industrial, single-family and multi-family residential, public facilities, and undeveloped lands such as public right of ways, parks, and open space. Low-density multi-family zoning allows a variety of low-density multi-family housing including townhouses, multi-family structures and attached or detached homes on small lots.





File: Comprehensive General Sewer Plan
DNS 01-18

Date Published: May 04, 2018

Please find enclosed an environmental Determination of Non-Significance issued pursuant to the State Environmental Policy Act (SEPA) Rules (Chapter 197-11), Washington Administrative Code.

You may comment on this DNS by submitting written comments within fourteen (14) days of this notice as provided for by WAC 197-11-340.

Please address all correspondence to: **Clark Regional Wastewater District**
PO Box 8979
Vancouver, WA 98668-8979
Attn: John Peterson

DISTRIBUTION LIST

Federal Agencies

- US Army Corps of Engineers, Portland District
- Northwest Power Planning Council
- Bonneville Power Administration
- US Fish and Wildlife Service, Ridgefield Refuge
- USDI Fish & Wildlife Service – Lacey WA Office

Native American Interests

- Chinook Indian Tribe
- Cowlitz Indian Tribe
- Confederated Tribes of the Grand Ronde
- Confederated Tribes of the Siletz Reservation
- Yakima Indian Nation

State Agencies

- Department of Archaeology and Historic Preservation
- Department of Community Development
- Department of Ecology – SEPA Review Section
- Department of Health
- Department of Natural Resources – SEPA Center
- Department of Fish and Wildlife
- Department of Transportation
- Department of Commerce

Regional Agencies

- Fort Vancouver Regional Library
- Battle Ground Branch-FV Library
- Three Creeks Branch-FV Library

- Southwest Clean Air Agency
- Southwest Washington Regional Transportation Council

Local Agencies

- City of Battle Ground
- City of Camas
- City of La Center
- City of Ridgefield
- City of Vancouver
 - Administration
 - Community Preservation and Development
 - Public Works
- City of Washougal
- City of Woodland
- Clark County Department of Community Development
 - Administration
 - Building Division
 - Central Files
 - Community Planning
- Clark County Department of Public Works
 - Administration
 - Environmental Public Health Service
- Clark County Public Health
- Clark County Conservation District
- Port of Camas-Washougal
- Port of Ridgefield
- Port of Vancouver
- Port of Woodland
- Vancouver-Clark Parks and Recreation

Special Purpose Agencies

- C-Tran
- CRESA
- Clark Public Utilities
- Battle Ground School District
- Vancouver School District
- Evergreen School District
- Hockinson School District
- Ridgefield School District
- Washington State University – Vancouver Campus
- Fire Protection District 3
- Fire Protection District 5
- Fire Protection District 6
- Clark County Fire and Rescue

Interest Groups

- Building Industry Association
- Southwest Washington Contractors Association

- Neighborhood Associations Council of Clark County
- Clark County Natural Resources Council
- Vancouver Housing Authority
- Columbia River Economic Development Council
- Columbia River Keepers
- Fish First
- Friends of Clark County
- Futurewise
- Greater Vancouver Chamber of Commerce
- Lower Columbia Fish Recovery Board
- Partners in Careers
- Salmon Creek Watershed Council
- Sierra Club – Loo Wit
- Vancouver Audubon Society
- Andresen/St. Johns Neighborhood Association
- East Fork Frontier Neighborhood Association
- East Fork Hills Rural Association
- East Minnehaha Neighborhood Association
- Enterprise/Paradise Point Neighborhood Association
- Fairgrounds Neighborhood Association
- Felida Neighborhood Association
- Greater Brush Prairie Neighborhood Association
- Green Meadows Neighborhood Association
- Hazel Dell/Salmon Creek Business Association
- Heritage Neighborhood Association
- Maple Tree Neighborhood Association
- Meadow Glade Neighborhood Association
- NE Hazel Dell Neighborhood Association
- North Fork Lewis Neighborhood Association
- North Salmon Creek Neighborhood Association
- Pleasant Highlands Neighborhood Association
- Proebstel Neighborhood Association
- Ridgefield Junction Neighborhood Association
- Roads End Neighborhood Association
- Sherwood Hills Neighborhood Association
- Sifton Neighborhood Association
- Sunnyside Neighborhood Association
- Truman Neighborhood Association
- Washougal River Neighborhood Association
- West Hazel Dell Neighborhood Association

DETERMINATION OF NONSIGNIFICANCE

Description of proposal:

A Comprehensive General Sewer Plan (CGSP). The CGSP provides a comprehensive plan to aid in managing and operating a system of public sewers and coordinating expansions, upgrades and renewal of the collection system infrastructure for the next 20 years. The CGSP serves as a guide for policy development and decision making, providing information on the plans for improvements to the sewer system within the District's service area. The GCSF satisfies the requirements for a General Comprehensive Plan (GCP) and General Sewer Plan (GSP). The GCP is prepared in accordance with the requirements of RCW 57.16.010. The GSP is prepared in accordance with the requirements of RCW 90.48.110 and WAC 173-240-010, 173-240-020, and 173-240-050.

The CGSP evaluates the existing and future capacity of the sanitary sewer collection system based on current and anticipated future wastewater demand. Future wastewater flows are estimated based on existing flow data and forecasted population projections within the District's sewer service area. The CGSP addresses the service needs within individual sanitary sewer drainage basins and the collective needs of the entire system, throughout the service area, to efficiently and effectively plan for the collection and conveyance of wastewater using a system of gravity and pressure sewers. The CGSP includes the general location and size of sewer infrastructure and the estimated cost of the improvements. The District does not own wastewater treatment facilities, which are not considered in the CGSP.

Proponent:

***Clark Regional Wastewater District
8000 NE 52nd Court
PO Box 8979
Vancouver, WA 98668-8979
Phone: (360)750-5876***

Location of proposal, including street address, if any:

The District office is located at 8000 NE 52nd Court, Vancouver, Washington. The service area of the District encompasses approximately forty-nine (49) square-miles and includes the northern portion of the City of Vancouver urban growth area, portions of the City of Battle Ground urban growth area, all of the City of Ridgefield urban growth area and the Rural Centers of Meadow Glade and Hockinson in Clark County, Washington.

Lead Agency: **Clark Regional Wastewater District**

The Lead Agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request. The CGSP can be viewed online at www.crwwd.com/projects/gensewer.php.

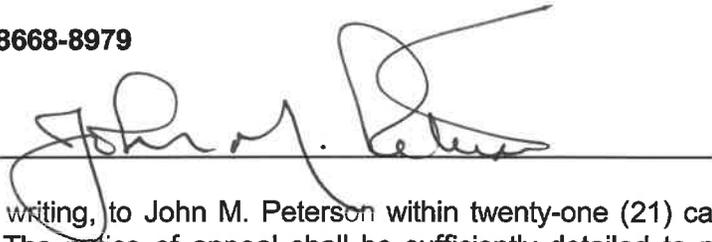
There is no comment period for this DNS.

This DNS is issued under WAC 197-11-340(2); the Lead Agency will not act on this proposal for fourteen (14) days from the date below. Comments must be submitted by May 18, 2018.

Responsible Official: **John M. Peterson, P.E.**
Position/Title: **General Manager**
Telephone: **360-993-8819**
Fax: **360-750-7570**
Address: **Clark Regional Wastewater District**
8000 NE 52nd Ct.
PO Box 8979
Vancouver, WA 98668-8979

Date: MAY 3, 2018

Signature

A handwritten signature in black ink, appearing to read "John M. Peterson", is written over a horizontal line. The signature is fluid and cursive.

This determination may be appealed, in writing, to John M. Peterson within twenty-one (21) calendar days of the date of the determination. The notice of appeal shall be sufficiently detailed to provide reasonable notice to the Clark Regional Wastewater District of how the person or the person's property is adversely affected by the proposal, any new facts, which would be important to and affect the determination and the reasons why the determination was incorrect.

Any appeal, which is timely filed, shall be scheduled for hearing by the Board of Commissioners no later than 45 days after filing. Within 30 days of the conclusion of the hearing, the Board shall render its decision accompanied by appropriate findings of fact and conclusions of law.

ENVIRONMENTAL CHECKLIST

A. BACKGROUND

1. Name of proposed project, if applicable:

Comprehensive General Sewer Plan (CGSP), December 2017

2. Name of applicant:

Clark Regional Wastewater District (District)

3. Address and phone number of applicant and contact person:

***8000 NE 52nd Court
PO Box 8979
Vancouver, WA 98668-8979
Phone: (360)750-5876
Attn: Shawn Moore, P.E., Assistant Manager***

4. Date checklist prepared:

May 02, 2018

5. Agency requesting checklist:

The District and Ecology

6. Proposed timing or schedule (including phasing, if applicable):

Adoption by District Board of Commissioners will occur in 2018, followed by approval by Ecology. The schedule for actual capital improvements will be in accordance with individual basin wastewater needs. The CGSP includes an estimate of the improvements necessary and the timing of those improvements within a six (6) year period and twenty (20) year period; however, these are projections and will be adjusted as appropriate to provide the capacity needed to serve growth as it is planned for and captured.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

The GCP is reviewed every six (6) years, in coordination with Clark County Comprehensive Plan updates, and is amended as needed to adjust for changes in land use regulations.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

The District will accomplish SEPA environmental review for each non-exempt project within the CGSP.

9. Are other applications pending for governmental approvals affecting the property covered by your proposal? If yes, please explain.

No

10. List any government approvals or permits that will be needed for your proposal.

***GCP adoption by Clark Regional Wastewater District Board of Commissioners
GSP approval by Washington State Department of Ecology
GCP approval by Clark County Public Health
GCP approval by City of Ridgefield
GCP approval by City of Battle Ground
GCP approval by City of Vancouver***

GCP approval by Clark County

11. Give a brief, complete description of your proposal, including the proposed uses and size of the project and site. There are several questions addressed later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description).

The District has prepared a document titled "Comprehensive General Sewer Plan" to serve as both the General Comprehensive Plan (GCP) and the General Sewer Plan (GSP). Hereafter, where both documents are referenced, they will be referred to collectively as "CGSP." The GCP is prepared in accordance with the requirements of RCW 57.16.010. The GSP is prepared in accordance with the requirements of RCW 90.48.110 and WAC 173-240-010, 173-240-020, and 173-240-050. This Environmental Checklist is prepared for environmental review of both the GCP and the GSP, which collectively are considered the proposal for this Environmental Checklist. The District is the lead agency for the CGSP proposal.

The CGSP provides a comprehensive plan to aid in managing and operating a system of public sewers and coordinating expansions, upgrades, and renewal of the collection system infrastructure for the next 20 years. The CGSP serves as a guide for policy development and decision making, providing information on the plans for improvements to the sewer system within the District's service area. The CGSP identifies roughly one-hundred individual projects and a dozen on-going capital programs, totaling \$147.2 million. Approximately \$45.7 million is forecasted for restoration and replacement projects (R&R) and \$101.5 million in capital improvement projects

The CGSP evaluates the existing and future capacity of the sanitary sewer collection system based on current and anticipated future wastewater demand. Future wastewater flows are estimated based on existing flow data and forecasted population projections within the District's sewer service area. The CGSP addresses the service needs within individual sanitary sewer drainage basins and the collective needs of the entire system, throughout the service area, to efficiently and effectively plan for the collection and conveyance of wastewater using a system of gravity and pressure sewers. The CGSP includes the general location and size of sewer infrastructure and the estimated cost of the improvements. The District does not own wastewater treatment facilities, which are not considered in the CGSP.

The District encompasses approximately 50 square miles of land ranging from single-family residential, commercial, public facility and industrial uses. The CGSP uses residential, employment and student population projections from Clark County to allocate projected growth within eighty-two (82) sanitary sewer drainage basins. The CGSP addresses the individual needs within each of these sanitary sewer drainage basins and the collective needs of the entire system to efficiently and effectively collect and convey wastewater through a system of gravity and pressure sewers. Wastewater is then discharged to one of three treatment facilities, owned and operated by others and not considered in the CGSP. The CGSP includes projections of the future sewer service population, wastewater flows, and the infrastructure necessary to serve that population, including the general location, size and cost of the improvements.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including street address, section, township, and range. If this proposal occurs over a wide area, please provide the range or boundaries of the site. Also, a legal description, site plan, vicinity map and topographic map. You are required to submit any plans required by the agency, but not required to submit duplicate maps or plans submitted with permit applications related to this checklist.

The District office is located at 8000 NE 52nd Court, Vancouver, Washington. The service area of the District includes the northern portion of the City of Vancouver urban growth area, portions of the City of Battle Ground urban growth area, all of the City of Ridgefield

urban growth area and the Rural Centers of Meadow Glade and Hockinson in Clark County, Washington.

The District service area is further described as follows:

- **City of Vancouver UGA – contained within the Clark County Urban Growth Boundary, extending north from the City of Vancouver corporate limits. The urban area, mostly unincorporated, includes approximately 35 square miles and approximately 90,000 residents. Generally extending from Vancouver Lake on the west to NE 172nd Avenue on the east and NE Minnehaha Street on the South and NE 209th Street on the North.**
- **City of Ridgefield UGA – includes the incorporated and unincorporated City of Ridgefield urban growth area. In total, the urban area includes approximately 9.4 square miles and over 5,000 residents. Generally extending from NW Hillhurst Road on the South to N 20th Street on the North and Lake River on the West and S 85th Avenue on the East.**
- **City of Battle Ground UGA – includes portions of incorporated (400 Ac+-) and unincorporated (500 Ac+-) City of Battle Ground urban growth area. The portion of the City's urban area within the District service area includes approximately 1.4 square-miles and approximately 1,000 residents. Generally extending from SW 40th Street on the South to SW 11th Street on the North and NE 96th Avenue on the West to NE 122nd Avenue (SW 10th Avenue) on the East.**
- **Meadow Glade – a County designated rural center approximately 0.7 square-miles in size, containing roughly 700 residents, adjacent to City of Battle Ground UGA. This area is bounded by NE 92nd Avenue on the West, NE 174th Street on the South, NE 122nd Avenue on the East and NE 189th Street on the North.**
- **Hockinson – a County designated rural center approximately 0.4 square-miles in size, containing roughly 500 residents. This area is roughly bounded by NE 170th Avenue on the West to NE 189th Avenue on the East and NE 155th Street on the South to NE 169th Street on the North.**

B. ENVIRONMENTAL ELEMENTS

1. EARTH

- A. General description of the site (circle one): (flat), (rolling), (hilly), (steep slopes), mountainous, other.

All of these conditions exist within the area covered under the CGSP.

- B. What is the steepest slope on the site and the approximate percentage of the slope?

Slopes vary widely across the area covered in the CGSP, ranging from flat (0%) to steep; in excess of 40% in isolated areas.

- C. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

The area covered in this CGSP generally consists of the following soil classifications:

- **Sauvie-Puyallup**
- **Hillsboro-Gee-Odne**
- **Hillsboro-Dollar-Cove**
- **Lauren-Sifton-Wind-River**

- D. Are there surface indications or history of unstable soils in the immediate vicinity? If so, please describe.

There are isolated portions of the area covered in CGSP which have a history of slope instability.

- E. Describe the purpose, type and approximate quantities of any filling or proposed grading. Also, indicate the source of fill.

Not Applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- F. Could erosion occur as a result of clearing, construction or use? If so, please describe.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- G. What percentage of the site will be covered with impervious surfaces after the project construction (e.g., asphalt or buildings)?

Not Applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- H. Proposed measures to reduce or control erosion, or other impacts to the earth include:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to minimize and mitigate any potential impacts to the earth.

2. AIR

- A. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial, wood, smoke) during construction and after completion? If yes, describe and give approximate quantities.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- B. Are there any off-site sources of emissions or odor that may affect your proposal? If so, please describe.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- C. Proposed measures to reduce or control emissions or other impacts to air:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

3. WATER

- A. Surface:

1. Is there any surface water body on or in the vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names and into which stream or river it flows into.

The streams within the area covered in the CGSP include Salmon Creek and its' tributaries, Mill Creek, Curtin Creek, Morgan Creek and Woodin Creek; Whipple Creek and Gee Creek, which are tributary to Lake River; Allen Creek, which is tributary to Lewis River; Burnt Bridge Creek, which is tributary to Vancouver Lake and Lacamas Creek, which is tributary to Lacamas Lake. All of the surface water bodies within the District's service area are ultimately tributaries of the Columbia River.

2. Will the project require any work within 200 feet of the described waters? If yes, please describe and attach available plans.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

3. Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

4. Will the proposal require surface water withdrawals or diversions? Please provide description, purpose and approximate quantities:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

5. Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

There are isolated portions of the area covered in the CGSP which are within a 100-year floodplain. Gee Creek, Salmon Creek, Burnt Bridge Creek and Mill Creek, have flood profiles prepared by the Federal Emergency Management Agency (FEMA), and include the 100-year flood plain elevation. Lake River is within the Columbia River Flood Plain. Separate project specific environmental review and construction plans will be required.

6. Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

B. Ground:

1. Will ground water be withdrawn, or will water be discharged to ground water? Please give description, purpose, and approximate quantities.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

2. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (e.g., domestic sewage; industrial, containing the following chemicals; agricultural; etc.). Describe the size and number of the systems, houses to be served; or, the number of animals or humans the system are expected to serve.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

C. Water runoff (including stormwater):

1. Describe the source of runoff (including storm water) and method of collection and disposal. Include quantities, if known. Describe where water will flow, and if it will flow into other water.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

2. Could waste materials enter ground or surface waters? If so, please describe.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

D. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and

other project specific measures will be incorporated to reduce or control surface, ground and runoff water and mitigate any potential impacts.

4. PLANTS

- A. Check or circle types of vegetation found on the site:

Deciduous tree: alder, maple, aspen, other
 Evergreen tree: fir, cedar, pine, other
 Shrubs
 Grass
 Pasture
 Crop or grain
 Wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other
 Water plants: water lily, eelgrass, milfoil, other
 Other types of vegetation

- B. What kind and amount of vegetation will be removed or altered?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- C. List threatened or endangered species known to be on or near the site.

There are isolated portions of the area covered in the CGSP which contain Oregon White Oak. Separate project specific environmental review and construction plans will be required.

- D. List proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to preserve and enhance vegetation and mitigate any potential impacts.

5. ANIMALS

- A. Circle any birds and animals which have been observed on or near the site:

Birds: (hawk), (heron), (eagle), (songbirds), other: monk parrot
Mammals: (deer), (bear), elk, (beaver), other: raccoons, opossums
Fish: (bass), (salmon), (trout), herring, shellfish, other: _____??

- B. List any threatened or endangered species known to be on or near the site.

There are isolated portions of the area covered in the CGSP wherein Bald Eagles may reside. Salmonids in the vicinity include steelhead, chinook and chum salmon, and bull trout. Separate project specific environmental review and construction plans will be required.

- C. Is the site part of a migration route? If so, please explain.

The entire region is part of the Pacific Flyway for migrating water fowl and the Columbia River and its tributaries are part of a migratory route for anadromous fish. Separate project specific environmental review and construction plans will be required.

- D. Proposed measures to preserve or enhance wildlife:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific

plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to preserve or enhance wildlife.

6. ENERGY AND NATURAL RESOURCES

- A. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- B. Would your project affect the potential use of solar energy by adjacent properties? If so, please describe.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- C. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control energy impacts.

7. ENVIRONMENTAL HEALTH

- A. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste that could occur as a result of this proposal? If so, describe.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

1. Describe special emergency services that might be required.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

2. Proposed measures to reduce or control environmental health hazards, if any:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control environmental health hazards.

- B. Noise

1. What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

2. What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

3. Proposed measures to reduce or control noise impacts:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific

plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control noise impacts.

8. LAND AND SHORELINE USE

- A. What is the current use of the site and adjacent properties?

Land use within the areas covered in the CGSP includes a variety of low, medium, and high density residential, public facilities, commercial and industrial and rural residential and commercial applications in accordance with the adopted Comprehensive Plans of the County and its Cities.

- B. Has the site been used for agriculture? If so, describe.

There are isolated portions of the area covered in CGSP which may have been used for agricultural purposes, including hay and pasture.

- C. Describe any structures on the site.

Structures within the area covered in this CGSP are typical of the uses listed in section 8A above.

- D. Will any structures be demolished? If so, please describe?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- E. What is the current zoning classification of the site?

There are portions of the area covered in the CGSP with the following zoning designations: Commercial (C-2, C-3, CCB, CNB, CRB), Highway Commercial (CH, CH-12), Limited Commercial (CL), Freeway Commercial (CF), Office Commercial (OC), Business Park (BP), Mixed Use (CMU, JMU, WMU, WLS) Industrial (ML, IL, IM, EMP), University, Office Residential (OR-43), Single-Family residential (R1-5, R1-6, R1-7.5, R1-10, R1-20, RLD-4, RLD-6, RLD-8), multi-family residential (R-12, R-18, R-22, R-30, R-43, RMD-16), Agriculture (Ag-20), Rural Center (RC-1, RC-2.5, CR-1, CR-2), Parks (P/OS, P/WL), and Public Facilities.

- F. What is the current comprehensive plan designation of the site?

Urban Low Density, Medium Density and High Density Residential, Mixed Use, City Center, General and Neighborhood Commercial, Commercial, Employment, Industrial and Heavy Industrial, Parks/Open Space, Agriculture, Rural Center, Public Facilities, Rural Industrial Land Bank and Bonneville Power Administration.

- G. What is the current shoreline master program designation of the site?

The following designations are present within or near areas covered by the CGSP: Gee Creek – Urban Conservancy and rural conservancy residential; Lake River – High Intensity, Urban Conservancy and rural conservancy resource; Salmon Creek – Urban conservancy, medium intensity; Mill Creek – Urban conservancy and rural conservancy residential; Curtin Creek – Urban conservancy; Burnt Bridge Creek – Urban conservancy; Lacamas Creek – Natural, medium intensity, urban conservancy, rural conservancy residential & resource. Separate project specific environmental review and construction plans will be required.

- H. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

Yes, there are areas of sensitive lands within the areas covered in the CGSP. Examples include the 100-year flood plain, shoreline management areas, wetlands and wetland buffers, and critical habitat areas. Separate project specific environmental review and construction plans will be required.

- I. How many people would reside or work in the completed project?

The District projects a 2036 residential population of approximately 156,000 and employment population of approximately 57,000 in accordance with adopted County and City comprehensive plans.

- J. How many people would the completed project displace?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- K. Please list measures to avoid or reduce displacement impacts:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to avoid or reduce displacement impacts.

- L. List proposed measures to ensure the proposal is compatible with existing and projected land uses and plans:

The wastewater demand forecasted in the CGSP is based upon current adopted comprehensive plans for the County and the Cities. The District meets regularly with the County and the Cities to coordinate the provision of sewer service and participates in their land use processes.

9. HOUSING

- A. Approximately how many units would be provided? Indicate whether high, middle, or low-income housing.

Not applicable to this proposal.

- B. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- C. Proposed measures to reduce or control housing impacts:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control housing impacts.

10. AESTHETICS

- A. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- B. What views in the immediate vicinity would be altered or obstructed?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- C. Proposed measures to reduce or control aesthetic impacts:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control aesthetic impacts.

11. LIGHT AND GLARE

- A. What type of light or glare will the proposal produce? What time of day would it mainly occur?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- B. Could light or glare from the finished project be a safety hazard or interfere with views?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- C. What existing off-site sources of light or glare may affect your proposal?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- D. Proposed measures to reduce or control light and glare impacts, if any:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control light or glare impacts.

12. RECREATION

- A. What designated and informal recreational opportunities are in the immediate vicinity?

County and City parks, ball fields, school yards, neighborhood parks, and trail systems offer passive and active recreational opportunities within the areas covered in the CGSP. The Ridgefield National Wildlife Refuge lies adjacent to the area, near Ridgefield.

- B. Would the proposed project displace any existing recreational uses? If so, describe.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- C. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control recreational impacts.

13. HISTORIC AND CULTURAL PRESERVATION

- A. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

The following either are located within or near the area covered in the CGSP and are listed on the National Register of Historical Places and the Clark County Heritage Register: Anderson-Beletski Prune Farm, Vancouver, Lancaster House, Ridgefield, Basalt Cobblestone Quarries District, Ridgefield, Glenwood School, Vancouver, Lambert School, Ridgefield, Ridgefield American Women's League Chapter House, Sara Store, Ridgefield, Shobert House, Ridgefield. There are various other sites listed on the Clark County Historic Resource Inventory and Heritage Registry within or near the area covered in the CGSP.

- B. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

Vancouver Lake Archaeological District is on the National Register of Historic Places, and is located adjacent to the District boundary.

- C. Proposed measures to reduce or control impacts, if any:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to minimize and mitigate any potential impacts.

14. TRANSPORTATION

- A. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

Existing street network is shown on the individual basin maps in the CGSP.

- B. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

Yes, C-Tran has multiple routes within portions of the area covered in CGSP.

- C. How many parking spaces would the completed project have? How many would the project eliminate?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- D. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, please describe and indicate whether public or private.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- E. Will the project use water, rail, or air transportation? If so, generally describe.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- F. How many vehicular trips per day would be generated by the completed project? Indicate when peak traffic volumes would occur.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- G. Proposed measures to reduce or control transportation impacts:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control transportation impacts.

15. PUBLIC SERVICES

- A. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, please describe.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- B. Proposed measures to reduce or control direct impacts on public services.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control impacts on public services.

16. UTILITIES

- A. Circle utilities currently available at the site: (electricity), (natural gas), (water), (refuse service), (telephone), (sanitary sewer), (septic system), other.

Most of these utilities are available within portions of the area covered in the CGSP.

- B. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on or near the site.

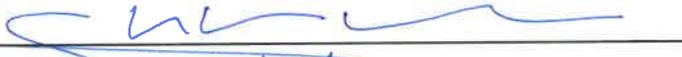
The proposal plans for the provision of public sewer service within the District's service area. Separate project specific environmental review and construction plans will be required.

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature:

Date Submitted:




D. SEPA SUPPLEMENTAL SHEET FOR NON-PROJECT ACTIONS

INSTRUCTIONS:

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment. When answering these questions, be aware of the extent of the proposal and the types of activities likely to result from the proposal. Please respond briefly and in general terms.

1. How would the proposal increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

There will be an increase in the volume of wastewater collected throughout the service area commensurate with the population growth forecasted and planned for in the adopted comprehensive plans covering the service area. Expressed in terms of Equivalent Residential Units (ERU), the forecast population growth is approximately 25,000 new ERU, which will generate roughly five million gallons-per-day (5 MGD) of wastewater over the twenty year planning horizon. The CGSP adequately provides for the extension of public sewer service within the service area to ensure wastewater is safely and efficiently collected and conveyed to treatment facilities. Future construction of the specific capital improvement projects in the CGSP may temporarily increase the potential discharges to water and air, and produce noise during construction.

Proposed measures to avoid or reduce such increases are:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

The CGSP proposal will not adversely impact plants, animals, fish, or marine life. Environmental review for specific projects will identify and address, if necessary, any significant adverse environmental impacts.

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

Separate environmental review will be completed, on a project-by-project basis, to identify and address any significant adverse environmental impacts associated with the projects identified in the CGSP. Mitigation of any significant adverse environmental impacts will be evaluated on a project-by-project basis. Construction work will be performed in compliance with applicable local ordinances and regulations and project specific permit conditions and approvals.

3. How would the proposal be likely to deplete energy or natural resources?

The CGSP proposal is not anticipated to deplete energy or natural resources. Where gravity sewer service is not feasible, pump stations and force mains will be required. Pump stations use limited amounts of energy, generally operating to pump wastewater into gravity sewers when needed. A limited number of pump stations are also provided with on-site emergency generators, diesel powered, to provide service during power outages.

Proposed measures to protect or conserve energy and natural resources are:

The improvements identified in the CGSP maximize the use of gravity sanitary sewer service. Improvements will be designed to operate as efficiently as possible and will use energy efficient fixtures where practical and cost effective. (e.g. lights, pumps, etc.). Where feasible, the CGSP extends gravity sewers to allow for the eventual removal of pump stations.

4. How would the proposal use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic

rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

The CGSP proposal takes into account environmentally sensitive areas as part of the master-planning of the capital facilities. Some capital facilities proposed within the 20-year planning horizon may use or affect some of these sensitive areas.

Proposed measures to protect such resources or to avoid or reduce impacts are:

Project-specific plans will be developed and project-specific environmental reviews will be conducted. Projects will be designed to avoid and minimize impacts to environmentally sensitive areas to the extent possible. Appropriate mitigation measures will be implemented when impacts cannot be avoided. The impacts of individual projects will be considered against the environmental regulations adopted at the time the specific improvement plans are developed.

5. How would the proposal be likely to affect land and shoreline use? Will it allow or encourage land or shoreline uses incompatible with existing plans?

This proposal is not anticipated to impact land and shoreline use, or to encourage incompatible uses.

Proposed measures to avoid or reduce shoreline and land use impacts are:

Project-specific plans will be developed and project specific environmental reviews will be conducted. Projects will be designed to avoid and minimize impacts to environmentally sensitive areas to the extent possible. Appropriate mitigation measures will be implemented when impacts cannot be avoided. The impacts of individual projects will be considered against the environmental regulations adopted at the time the specific improvement plans are developed.

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

Not applicable to this proposal.

Proposed measures to reduce or respond to such demand(s) are:

Not applicable to this proposal.

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

The CGSP proposal is developed to comply with local, state and federal laws for the protection of the environment. The work outlined in the CGSP must be planned within the framework of the existing environmental laws.



May 11, 2018

Clark Regional Wastewater District
PO Box 8979
Vancouver, WA 98668-8879
Attn: John Peterson

RE: Comprehensive General Sewer Plan DNS 01-18

Mr. Petersen,

Thank you for the opportunity to comment on the Clark Regional Wastewater District's Comprehensive General Sewer Plan Determination of Non Significance. In reviewing the environmental checklist, we noticed the following items that we wanted to bring to your attention.

- Under item #8 Land and Shoreline Use, item E, refers to the current zoning classification and of the site. The response for zoning included the Agriculture (AG-20) zoning classification. This designation is currently outside of the urban growth boundary and would not be eligible for extension of sewer service per RCW 57.16.010(7) and RCW 36.70a.110(4).
- Under item #8 Land and Shoreline Use, item F, refers to the current comprehensive plan designation of the site. The response for comprehensive plan designation included the Agriculture plan classification. This designation is currently outside of the urban growth boundary and would not be eligible for extension of sewer service per RCW 57.16.010(7) and RCW 36.70a.110(4).
- Under item #8 Land and Shoreline Use, item F, refers to the current comprehensive plan designation of the site. The response for comprehensive plan designation included the Rural Industrial Land Bank classification. This designation is currently outside of the urban growth boundary and would not be eligible for extension of sewer service per RCW 57.16.010(7) and RCW 36.70a.110(4).
- Under item #8 Land and Shoreline Use, the following question was omitted from the checklist and must be addressed.
 - **m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:**

We look forward to receiving an amended DNS that addresses these issues.

Sincerely,

A handwritten signature in black ink, appearing to read "Oliver Orjiako". The signature is fluid and cursive, with the first name "Oliver" written in a larger, more prominent script than the last name "Orjiako".

Oliver Orjiako, Director
Community Planning

cc: Dr. Alan Melnick, Public Health Director/Clark County Health Officer
Heath Henderson, Public Works Director
Jim Rumpeltes, Interim County Manager
Kathleen Otto, Deputy County Manager
Christine Cook, Senior Deputy Prosecuting Attorney



COMMISSIONERS
Norm Harker
Denny Kiggins
Neil Kimsey
GENERAL MANAGER
John M. Peterson, P.E.

8000 NE 52 Court Vancouver, WA 98665 PO Box 8979 Vancouver, WA 98668
Phone (360) 750-5876 Fax (360) 750-7570 www.crwwd.com

June 5, 2018

Oliver Orjiako, Director
Clark County Community Planning
P.O. Box 9810
Vancouver, WA 98666-9810

Subject: Comprehensive General Sewer Plan DNS 01-18

Dear Mr. Orjiako:

The Clark Regional Wastewater District (District) appreciates Clark County's (County) review of the District's Determination of Nonsignificance (DNS) for the Comprehensive General Sewer Plan (GSP), which was issued on May 3, 2018. The DNS invited written comments by May 18, 2018. You submitted written comments on the DNS to me through a letter to the District dated May 11, 2018 (Attachment A to this letter). We received no other comments from any person, affected tribe or agency. Your letter commented on the District's answers to three of the SEPA environmental checklist questions for the GSP, and requested the District to add a question and answer to the checklist. Your letter also asked the District to issue an amended DNS.

Although the District was not required by SEPA Regulations to amend the SEPA Checklist for the GSP, the District has amended the checklist to make it more precise and accurate, and has added the question and answer. These amendments do not require the District to modify the original DNS. Thus, the District has not amended the DNS issued on May 3, 2018, and it is still in effect as of that date. The basis for this assessment is further explained in this letter.

SEPA Process for GSP

Because the District has not amended the DNS, it may be helpful to summarize briefly the applicable SEPA regulations, and the District's SEPA actions under them. As District General Manager and SEPA responsible official (SEPA official), I issued the DNS under WAC 197-11-340(2), which required a 14-day comment period. During the 14-day comment period, the District Board of Commissioners could not (and did not) act on the GSP, as required by the SEPA regulations.

Under SEPA regulations, if written comments are timely filed, the SEPA official must reconsider the DNS. After reconsidering the DNS, the SEPA official may either (1) retain the DNS, (2) modify the DNS, or (3) withdraw the DNS or supporting documents if significant adverse impacts are likely. The SEPA official must withdraw the DNS if (1) there are substantial changes to the proposal (GSP) so that the proposal is likely to have significant adverse environmental impacts, (2) there is significant new



information indicating, or on, the proposal's probable significant adverse environmental impacts, or (3) the DNS was procured by misrepresentation or lack of material disclosure.

Consistent with your comments, and as explained in greater detail in **Attachment B** to this letter (which sets forth your specific comments regarding questions and answers of the checklist), I have amended the checklist as follows: (1) inserted a minor change to the description of the current zoning classification for the District's service area (SEPA Checklist 8(E)); (2) inserted a minor change to the description of the current comprehensive plan designation of the District's service area (SEPA Checklist 8(F)); (3) added a sentence stating that District sewer service to the Rural Industrial Land Bank and the Freight Rail Dependent Uses Overlay is dependent on authorization by the County (SEPA Checklist 8(L)); and (4) added a SEPA Checklist category, which was not required for the GSP, stating that although the category is not applicable, at the time of project development, project specific plans will be developed that consider site conditions and best management practices and implement project specific measures to avoid or reduce impacts. The amended checklist is attached to this letter as **Attachment C**. (The amended checklist, the DNS and the draft GSP are available online at <https://www.crwwd.com/projects/gensewer.php>).

These amendments to the checklist did not change the GSP, and did not cause the GSP to have significant adverse environmental impacts. It's important to note that in our opinion, your comments on the DNS do not allege that the GSP, as a document and non-project proposal, will have significant adverse environmental impacts. Instead, your comments point out that the Rural Industrial Land Bank area and the AG-20 zoning classification area are outside of the urban growth area and cannot be served with sewer service. The District agrees with you on this point. The District's checklist, as originally written and as amended, acknowledges and agrees with this fact and consequence.

GSP Requirements

A brief explanation of The District's authority and responsibility to prepare a GSP may be helpful to explain the District's conclusion--consistent with the County's comment--that District sewer service to the Rural Industrial Land Bank and the Freight Rail Dependent Uses Overlay is dependent on authorization by the County. Under sewer district statutes, a district must adopt a "general comprehensive plan" (GCP) for the facilities that the district proposes to provide, *before* ordering any facilities. To prepare a GCP, the district commissioners must investigate all portions and sections of the district and (1) select a GCP for a sewer system that is suitable and adequate for "present and *reasonably foreseeable future needs*" of the district and (2) determine a long-term plan for financing and distributing the cost and expense of the facilities and services.

In addition, the Department of Ecology must approve a district's "general sewer plan" (GSP) before the district provides sewer service. This Ecology GSP is defined as the district's GCP under the sewer district statutes, and must include information that is not required for the GCP. Ecology must review and approve GSP's, engineering reports, plans and specifications, and operation and maintenance

manuals to determine whether proposed district facilities will be designed, constructed, operated, and maintained to meet effluent limitations and other requirements of an NPDES or state waste discharge permit, and to meet the requirements of state statutes relating to prevention and control of pollution of the waters of the state.

As you can see, the District had the option of naming its plan as either a GSP or GCP. The District elected to name its plan a GSP instead of a GCP.

The District is updating its GSP to support the County and cities within the County in achieving their adopted comprehensive planning goals and objectives. Sewer service plays an important role in protecting and promoting the health of a community. The District recognizes and respects the leadership role the County has in planning under the Growth Management Act (GMA). The District has and will continue to support and follow the basic principle that the District or other sewer service providers can provide sewer service outside of the urban growth area only after the County determines that sewer service can be provided in that area

Sewer Service Relationship to Land within the Urban Growth Boundaries

The proposed service area in the GSP includes the following two areas, called “existing” and “studied.”

Existing Areas. These are properties currently receiving sewer service (see **Attachment D** to this letter (GSP Appendix K)). Sewer service is being provided to these properties because either service was initiated prior to the original adoption of GMA or the County granted an exception in accordance with 40.370 UDC.

Studied Areas. One area is the Rural Industrial Land Bank, which the County designated as a future industrial hub and an Industrial Urban Reserve. Although the Growth Management Hearings Board set aside this designation recently, the County could implement it again in the future. The inclusion of the AG-20 zoning and Agriculture and Rural Industrial Land Bank comprehensive plan classifications in the District’s GSP checklist is specific to this Studied Area. Another area is the Freight Rail Dependent Uses Overlay, which the County approved earlier this year through amendments to the County’s comprehensive plan maps, plan text and zoning ordinances. Freight rail dependent uses will be allowed in this Overlay when the County adopts implementing development regulations at the end of this year. Sewer service could be authorized through these regulations. In Section 3.3.1 of the GSP, the District explicitly states that it will not provide sewer service to these areas until the County authorizes it, “no sewer service will be extended until the District is authorized, by the respective local governments, to serve these areas”. The individual basin map for these areas also includes a reference directing the reader to the above mentioned discussion in the body of the GSP. Additional emphasis, however, has been added to the basin map (see **Attachment D** to this letter), in response to the County’s comments. In essence, the District is simply showing

how these areas could be served by sewer, depending on decisions by the County, consistent with the requirement of RCW 57.16.010(2) to select a general comprehensive plan that is suitable and adequate for the “present and reasonably foreseeable future needs of the District.”

The District’s inclusion in the GSP of the Studied Areas is consistent with prior GSPs that were approved by the County. The 2001 GSP, amended in 2007, included areas outside of the UGA that the County was considering, but which ultimately it did not include. As proposed in the District’s current GSP update, the District did not previously extend sewer service to any of the study area properties until they were later incorporated into the UGA or the County specifically designated the District as the purveyor for particular properties, thereby authorizing service. If the County rejects the District’s inclusion of the Studied Areas in the District’s current GSP update, and the County subsequently authorizes sewer service for the Studied Areas, the District will not be able to provide sewer service as deemed appropriate and necessary by the County, and sewer service will be delayed until the District is able to prepare a GSP amendment and the County reviews, analyzes and approves it.

Closing

Thank you for commenting on the SEPA DNS for the District’s GSP. I trust this further explanation and discussion is helpful in understanding the full context of the District’s GSP update, the District’s SEPA checklist for the GSP, and the SEPA DNS for the GSP. If you have any further questions, please do not hesitate to contact me. The District looks forward to continued engagement with the County later this year through Planning Commission review and consideration by the Board of County Councilors as part of the annual Comprehensive Plan Update process.

Sincerely,



John M. Peterson, P.E.
General Manager
Clark Regional Wastewater District

Copy: Dr. Alan Melnick, Public Health Director/Clark County Health Officer
Heath Henderson, Public Works Director
Jim Rumpeltes, Interim County Manager
Kathleen Otto, Deputy County Manager
Christine Cook, Senior Deputy Prosecuting Attorney
Rod Kaseguma, Inslee Best Doezie & Ryder, P.S.
Shawn Moore, Assistant Manager
Robin Krause, District Engineer



May 11, 2018

Clark Regional Wastewater District
PO Box 8979
Vancouver, WA 98668-8879
Attn: John Peterson

RE: Comprehensive General Sewer Plan DNS 01-18

Mr. Petersen,

Thank you for the opportunity to comment on the Clark Regional Wastewater District's Comprehensive General Sewer Plan Determination of Non Significance. In reviewing the environmental checklist, we noticed the following items that we wanted to bring to your attention.

- Under item #8 Land and Shoreline Use, item E, refers to the current zoning classification and of the site. The response for zoning included the Agriculture (AG-20) zoning classification. This designation is currently outside of the urban growth boundary and would not be eligible for extension of sewer service per RCW 57.16.010(7) and RCW 36.70a.110(4).
- Under item #8 Land and Shoreline Use, item F, refers to the current comprehensive plan designation of the site. The response for comprehensive plan designation included the Agriculture plan classification. This designation is currently outside of the urban growth boundary and would not be eligible for extension of sewer service per RCW 57.16.010(7) and RCW 36.70a.110(4).
- Under item #8 Land and Shoreline Use, item F, refers to the current comprehensive plan designation of the site. The response for comprehensive plan designation included the Rural Industrial Land Bank classification. This designation is currently outside of the urban growth boundary and would not be eligible for extension of sewer service per RCW 57.16.010(7) and RCW 36.70a.110(4).
- Under item #8 Land and Shoreline Use, the following question was omitted from the checklist and must be addressed.
 - **m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:**

ATTACHMENT A

We look forward to receiving an amended DNS that addresses these issues.

Sincerely,

A handwritten signature in black ink that reads "Oliver Orjiako". The signature is written in a cursive, flowing style.

Oliver Orjiako, Director
Community Planning

cc: Dr. Alan Melnick, Public Health Director/Clark County Health Officer
Heath Henderson, Public Works Director
Jim Rumpeltes, Interim County Manager
Kathleen Otto, Deputy County Manager
Christine Cook, Senior Deputy Prosecuting Attorney



ATTACHMENT B

SEPA Comment Responses

The County's comments on the SEPA DNS for the GSP are stated below in italics. The District responses follow each comment as a separate bullet, explaining either the basis for the item/question in the checklist or the action that has been taken.

- *Under item #8 Land and Shoreline Use, item E, refers to the current zoning classification and of the site. The response for zoning included the Agriculture (AG-20) zoning classification. This designation is currently outside of the urban growth boundary and would not be eligible for extension of sewer service per RCW 57.16.010(7) and RCW 36.70A.110(4).*
 - Item 8(e) asks “what is the current zoning classification of the site?” The current zoning of the “site,” which is the proposed service area of the District, includes all of the zoning classifications listed in the District’s answer to item 8(e). The District is not required to state that land with the zoning classification of Agriculture (AG-20) is outside of the UGA and would not be eligible currently for service. However, the District has amended the response to question #8(e) to reference the Freight Rail Dependent Uses Overlay and to question #8(l) to clarify that service will not be provided by the District unless and until authorized first by Clark County, as stated in Section 3.3.1 of the GSP.
- *Under item #8 Land and Shoreline Use, item F, refers to the current comprehensive plan designation of the site. The response for comprehensive plan designation included the Agriculture plan classification. This designation is currently outside of the urban growth boundary and would not be eligible for extension of sewer service per RCW 57.16.010(7) and RCW 36.70a.110(4).*
 - Item 8(f) asks “what is the current comprehensive plan designation of the site”? The current comprehensive plan designation of the “site,” which is the proposed service area of the District, includes the designations listed in the District’s answer to item 8(f). The District is not required to highlight the Agriculture designation or to state that it is outside of the UGA and would not be eligible currently for service. However, the District has amended the response to question #8(f) to reference the comprehensive plan overlay, and to question #8(l) to clarify that service will not be provided by the District unless and until authorized first by Clark County, as stated in Section 3.3.1 of the GSP.



- *Under item #8 Land and Shoreline Use, item F, refers to the current comprehensive plan designation of the site. The response for comprehensive plan designation included the Rural Industrial Land Bank classification. This designation is currently outside of the urban growth boundary and would not be eligible for extension of sewer service per RCW 57.16.010(7) and RCW 36.70a.110(4).*
 - The District's response to this comment is the same as the response above, except that it applies to the Rural Industrial Land Bank.

- *Under item #8 Land and Shoreline Use, the following question was omitted from the checklist and must be addressed. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:*
 - Item 8(m) has been incorporated, per Section 197-11-960 WAC, as follows: "Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:". The requirement and the District's response has been included in the amended checklist.

ENVIRONMENTAL CHECKLIST - Amended

A. BACKGROUND

1. Name of proposed project, if applicable:

Comprehensive General Sewer Plan (CGSP), December 2017

2. Name of applicant:

Clark Regional Wastewater District (District)

3. Address and phone number of applicant and contact person:

***8000 NE 52nd Court
PO Box 8979
Vancouver, WA 98668-8979
Phone: (360)750-5876
Attn: Shawn Moore, P.E., Assistant Manager***

4. Date checklist prepared:

May 02, 2018

5. Agency requesting checklist:

The District and Ecology

6. Proposed timing or schedule (including phasing, if applicable):

Adoption by District Board of Commissioners will occur in 2018, followed by approval by Ecology. The schedule for actual capital improvements will be in accordance with individual basin wastewater needs. The CGSP includes an estimate of the improvements necessary and the timing of those improvements within a six (6) year period and twenty (20) year period; however, these are projections and will be adjusted as appropriate to provide the capacity needed to serve growth as it is planned for and captured.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

The GCP is reviewed every six (6) years, in coordination with Clark County Comprehensive Plan updates, and is amended as needed to adjust for changes in land use regulations.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

The District will accomplish SEPA environmental review for each non-exempt project within the CGSP.

9. Are other applications pending for governmental approvals affecting the property covered by your proposal? If yes, please explain.

No

10. List any government approvals or permits that will be needed for your proposal.

***GCP adoption by Clark Regional Wastewater District Board of Commissioners
GSP approval by Washington State Department of Ecology
GCP approval by Clark County Public Health
GCP approval by City of Ridgefield***

ATTACHMENT C

GCP approval by City of Battle Ground

GCP approval by City of Vancouver

GCP approval by Clark County

11. Give a brief, complete description of your proposal, including the proposed uses and size of the project and site. There are several questions addressed later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description).

The District has prepared a document titled "Comprehensive General Sewer Plan" to serve as both the General Comprehensive Plan (GCP) and the General Sewer Plan (GSP). Hereafter, where both documents are referenced, they will be referred to collectively as "CGSP." The GCP is prepared in accordance with the requirements of RCW 57.16.010. The GSP is prepared in accordance with the requirements of RCW 90.48.110 and WAC 173-240-010, 173-240-020, and 173-240-050. This Environmental Checklist is prepared for environmental review of both the GCP and the GSP, which collectively are considered the proposal for this Environmental Checklist. The District is the lead agency for the CGSP proposal.

The CGSP provides a comprehensive plan to aid in managing and operating a system of public sewers and coordinating expansions, upgrades, and renewal of the collection system infrastructure for the next 20 years. The CGSP serves as a guide for policy development and decision making, providing information on the plans for improvements to the sewer system within the District's service area. The CGSP identifies roughly one-hundred individual projects and a dozen on-going capital programs, totaling \$147.2 million. Approximately \$45.7 million is forecasted for restoration and replacement projects (R&R) and \$101.5 million in capital improvement projects

The CGSP evaluates the existing and future capacity of the sanitary sewer collection system based on current and anticipated future wastewater demand. Future wastewater flows are estimated based on existing flow data and forecasted population projections within the District's sewer service area. The CGSP addresses the service needs within individual sanitary sewer drainage basins and the collective needs of the entire system, throughout the service area, to efficiently and effectively plan for the collection and conveyance of wastewater using a system of gravity and pressure sewers. The CGSP includes the general location and size of sewer infrastructure and the estimated cost of the improvements. The District does not own wastewater treatment facilities, which are not considered in the CGSP.

The District encompasses approximately 50 square miles of land ranging from single-family residential, commercial, public facility and industrial uses. The CGSP uses residential, employment and student population projections from Clark County to allocate projected growth within eighty-two (82) sanitary sewer drainage basins. The CGSP addresses the individual needs within each of these sanitary sewer drainage basins and the collective needs of the entire system to efficiently and effectively collect and convey wastewater through a system of gravity and pressure sewers. Wastewater is then discharged to one of three treatment facilities, owned and operated by others and not considered in the CGSP. The CGSP includes projections of the future sewer service population, wastewater flows, and the infrastructure necessary to serve that population, including the general location, size and cost of the improvements.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including street address, section, township, and range. If this proposal occurs over a wide area, please provide the range or boundaries of the site. Also, a legal description, site plan, vicinity map and topographic map. You are required to submit any plans required by the agency, but not required to submit duplicate maps or plans submitted with permit applications related to this checklist.

ATTACHMENT C

The District office is located at 8000 NE 52nd Court, Vancouver, Washington. The service area of the District includes the northern portion of the City of Vancouver urban growth area, portions of the City of Battle Ground urban growth area, all of the City of Ridgefield urban growth area and the Rural Centers of Meadow Glade and Hockinson in Clark County, Washington.

The District service area is further described as follows:

- *City of Vancouver UGA – contained within the Clark County Urban Growth Boundary, extending north from the City of Vancouver corporate limits. The urban area, mostly unincorporated, includes approximately 35 square miles and approximately 90,000 residents. Generally extending from Vancouver Lake on the west to NE 172nd Avenue on the east and NE Minnehaha Street on the South and NE 209th Street on the North.*
- *City of Ridgefield UGA – includes the incorporated and unincorporated City of Ridgefield urban growth area. In total, the urban area includes approximately 9.4 square miles and over 5,000 residents. Generally extending from NW Hillhurst Road on the South to N 20th Street on the North and Lake River on the West and S 85th Avenue on the East.*
- *City of Battle Ground UGA – includes portions of incorporated (400 Ac+-) and unincorporated (500 Ac+-) City of Battle Ground urban growth area. The portion of the City's urban area within the District service area includes approximately 1.4 square-miles and approximately 1,000 residents. Generally extending from SW 40th Street on the South to SW 11th Street on the North and NE 96th Avenue on the West to NE 122nd Avenue (SW 10th Avenue) on the East.*
- *Meadow Glade – a County designated rural center approximately 0.7 square-miles in size, containing roughly 700 residents, adjacent to City of Battle Ground UGA. This area is bounded by NE 92nd Avenue on the West, NE 174th Street on the South, NE 122nd Avenue on the East and NE 189th Street on the North.*
- *Hockinson – a County designated rural center approximately 0.4 square-miles in size, containing roughly 500 residents. This area is roughly bounded by NE 170th Avenue on the West to NE 189th Avenue on the East and NE 155th Street on the South to NE 169th Street on the North.*

B. ENVIRONMENTAL ELEMENTS

1. EARTH

- A. General description of the site (circle one): (flat), (rolling), (hilly), (steep slopes), mountainous, other.

All of these conditions exist within the area covered under the CGSP.

- B. What is the steepest slope on the site and the approximate percentage of the slope?

Slopes vary widely across the area covered in the CGSP, ranging from flat (0%) to steep; in excess of 40% in isolated areas.

- C. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

The area covered in this CGSP generally consists of the following soil classifications:

- *Sauvie-Puyallup*
- *Hillsboro-Gee-Odne*
- *Hillsboro-Dollar-Cove*
- *Lauren-Sifton-Wind-River*

ATTACHMENT C

- D. Are there surface indications or history of unstable soils in the immediate vicinity? If so, please describe.

There are isolated portions of the area covered in CGSP which have a history of slope instability.

- E. Describe the purpose, type and approximate quantities of any filling or proposed grading. Also, indicate the source of fill.

Not Applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- F. Could erosion occur as a result of clearing, construction or use? If so, please describe.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- G. What percentage of the site will be covered with impervious surfaces after the project construction (e.g., asphalt or buildings)?

Not Applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- H. Proposed measures to reduce or control erosion, or other impacts to the earth include:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to minimize and mitigate any potential impacts to the earth.

2. AIR

- A. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial, wood, smoke) during construction and after completion? If yes, describe and give approximate quantities.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- B. Are there any off-site sources of emissions or odor that may affect your proposal? If so, please describe.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- C. Proposed measures to reduce or control emissions or other impacts to air:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

3. WATER

- A. Surface:

1. Is there any surface water body on or in the vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names and into which stream or river it flows into.

The streams within the area covered in the CGSP include Salmon Creek and its' tributaries, Mill Creek, Curtin Creek, Morgan Creek and Woodin Creek; Whipple Creek and Gee Creek, which are tributary to Lake River; Allen Creek, which is tributary to Lewis River; Burnt Bridge Creek, which is tributary to Vancouver Lake and Lacamas Creek,

ATTACHMENT C

which is tributary to Lacamas Lake. All of the surface water bodies within the District's service area are ultimately tributaries of the Columbia River.

2. Will the project require any work within 200 feet of the described waters? If yes, please describe and attach available plans.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

3. Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

4. Will the proposal require surface water withdrawals or diversions? Please provide description, purpose and approximate quantities:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

5. Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

There are isolated portions of the area covered in the CGSP which are within a 100-year floodplain. Gee Creek, Salmon Creek, Burnt Bridge Creek and Mill Creek, have flood profiles prepared by the Federal Emergency Management Agency (FEMA), and include the 100-year flood plain elevation. Lake River is within the Columbia River Flood Plain. Separate project specific environmental review and construction plans will be required.

6. Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

B. Ground:

1. Will ground water be withdrawn, or will water be discharged to ground water? Please give description, purpose, and approximate quantities.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

2. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (e.g., domestic sewage; industrial, containing the following chemicals; agricultural; etc.). Describe the size and number of the systems, houses to be served; or, the number of animals or humans the system are expected to serve.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

C. Water runoff (including stormwater):

1. Describe the source of runoff (including storm water) and method of collection and disposal. Include quantities, if known. Describe where water will flow, and if it will flow into other water.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

2. Could waste materials enter ground or surface waters? If so, please describe.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

ATTACHMENT C

D. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control surface, ground and runoff water and mitigate any potential impacts.

4. PLANTS

A. Check or circle types of vegetation found on the site:

- Deciduous tree: alder, maple, aspen, other
- Evergreen tree: fir, cedar, pine, other
- Shrubs
- Grass
- Pasture
- Crop or grain
- Wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other
- Water plants: water lily, eelgrass, milfoil, other
- Other types of vegetation

B. What kind and amount of vegetation will be removed or altered?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

C. List threatened or endangered species known to be on or near the site.

There are isolated portions of the area covered in the CGSP which contain Oregon White Oak. Separate project specific environmental review and construction plans will be required.

D. List proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to preserve and enhance vegetation and mitigate any potential impacts.

5. ANIMALS

A. Circle any birds and animals which have been observed on or near the site:

Birds: (hawk), (heron), (eagle), (songbirds), other: monk parrot
Mammals: (deer), (bear), elk, (beaver), other: raccoons, opossums
Fish: (bass), (salmon), (trout), herring, shellfish, other: _____??

B. List any threatened or endangered species known to be on or near the site.

There are isolated portions of the area covered in the CGSP wherein Bald Eagles may reside. Salmonids in the vicinity include steelhead, chinook and chum salmon, and bull trout. Separate project specific environmental review and construction plans will be required.

C. Is the site part of a migration route? If so, please explain.

ATTACHMENT C

The entire region is part of the Pacific Flyway for migrating water fowl and the Columbia River and its tributaries are part of a migratory route for anadromous fish. Separate project specific environmental review and construction plans will be required.

- D. Proposed measures to preserve or enhance wildlife:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to preserve or enhance wildlife.

6. ENERGY AND NATURAL RESOURCES

- A. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- B. Would your project affect the potential use of solar energy by adjacent properties? If so, please describe.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- C. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control energy impacts.

7. ENVIRONMENTAL HEALTH

- A. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste that could occur as a result of this proposal? If so, describe.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

1. Describe special emergency services that might be required.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

2. Proposed measures to reduce or control environmental health hazards, if any:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control environmental health hazards.

- B. Noise

1. What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

ATTACHMENT C

2. What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

3. Proposed measures to reduce or control noise impacts:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control noise impacts.

8. LAND AND SHORELINE USE

- A. What is the current use of the site and adjacent properties?

Land use within the areas covered in the CGSP includes a variety of low, medium, and high density residential, public facilities, commercial and industrial and rural residential and commercial applications in accordance with the adopted Comprehensive Plans of the County and its Cities.

- B. Has the site been used for agriculture? If so, describe.

There are isolated portions of the area covered in CGSP which may have been used for agricultural purposes, including hay and pasture.

- C. Describe any structures on the site.

Structures within the area covered in this CGSP are typical of the uses listed in section 8A above.

- D. Will any structures be demolished? If so, please describe?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- E. What is the current zoning classification of the site?

There are portions of the area covered in the CGSP with the following zoning designations: Commercial (C-2, C-3, CCB, CNB, CRB), Highway Commercial (CH, CH-12), Limited Commercial (CL), Freeway Commercial (CF), Office Commercial (OC), Business Park (BP), Mixed Use (CMU, JMU, WMU, WLS) Industrial (ML, IL, IM, EMP), University, Office Residential (OR-43), Single-Family residential (R1-5, R1-6, R1-7.5, R1-10, R1-20, RLD-4, RLD-6, RLD-8), multi-family residential (R-12, R-18, R-22, R-30, R-43, RMD-16), Agriculture (Ag-20) with Freight Rail Dependent Uses Overlay, Rural Center (RC-1, RC-2.5, CR-1, CR-2), Parks (P/OS, P/WL), and Public Facilities.

- F. What is the current comprehensive plan designation of the site?

Urban Low Density, Medium Density and High Density Residential, Mixed Use, City Center, General and Neighborhood Commercial, Commercial, Employment, Industrial and Heavy Industrial, Parks/Open Space, Agriculture with Freight Rail Dependent Uses Overlay, Rural Center, Public Facilities, Rural Industrial Land Bank and Bonneville Power Administration.

- G. What is the current shoreline master program designation of the site?

The following designations are present within or near areas covered by the CGSP: Gee Creek – Urban Conservancy and rural conservancy residential; Lake River – High Intensity, Urban Conservancy and rural conservancy resource; Salmon Creek – Urban conservancy, medium intensity; Mill Creek – Urban conservancy and rural conservancy residential; Curtin

ATTACHMENT C

Creek – Urban conservancy; Burnt Bridge Creek – Urban conservancy; Lacamas Creek – Natural, medium intensity, urban conservancy, rural conservancy residential & resource. Separate project specific environmental review and construction plans will be required.

- H. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

Yes, there are areas of sensitive lands within the areas covered in the CGSP. Examples include the 100-year flood plain, shoreline management areas, wetlands and wetland buffers, and critical habitat areas. Separate project specific environmental review and construction plans will be required.

- I. How many people would reside or work in the completed project?

The District projects a 2036 residential population of approximately 156,000 and employment population of approximately 57,000 in accordance with adopted County and City comprehensive plans.

- J. How many people would the completed project displace?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- K. Please list measures to avoid or reduce displacement impacts:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to avoid or reduce displacement impacts.

- L. List proposed measures to ensure the proposal is compatible with existing and projected land uses and plans:

The wastewater demand forecasted in the CGSP is based upon current adopted comprehensive plans for the County and the Cities. The District meets regularly with the County and the Cities to coordinate the provision of sewer service and participates in their land use processes. The District studied the feasibility of providing sewer service to certain properties which may reasonably be served in the future, but are currently located outside of the UGA. Specifically, these properties are part of the Rural Industrial Land Bank and the Freight Rail Dependent Uses Overlay. Service to these areas cannot and will not be provided unless it is first authorized by the County.

- M. *Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:*

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to avoid or reduce or control impacts.

9. HOUSING

- A. Approximately how many units would be provided? Indicate whether high, middle, or low-income housing.

Not applicable to this proposal.

- B. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

ATTACHMENT C

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- C. Proposed measures to reduce or control housing impacts:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control housing impacts.

10. AESTHETICS

- A. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- B. What views in the immediate vicinity would be altered or obstructed?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- C. Proposed measures to reduce or control aesthetic impacts:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control aesthetic impacts.

11. LIGHT AND GLARE

- A. What type of light or glare will the proposal produce? What time of day would it mainly occur?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- B. Could light or glare from the finished project be a safety hazard or interfere with views?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- C. What existing off-site sources of light or glare may affect your proposal?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- D. Proposed measures to reduce or control light and glare impacts, if any:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control light or glare impacts.

12. RECREATION

- A. What designated and informal recreational opportunities are in the immediate vicinity?

County and City parks, ball fields, school yards, neighborhood parks, and trail systems offer passive and active recreational opportunities within the areas covered in the CGSP. The Ridgefield National Wildlife Refuge lies adjacent to the area, near Ridgefield.

ATTACHMENT C

- B. Would the proposed project displace any existing recreational uses? If so, describe.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- C. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control recreational impacts.

13. HISTORIC AND CULTURAL PRESERVATION

- A. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

The following either are located within or near the area covered in the CGSP and are listed on the National Register of Historical Places and the Clark County Heritage Register: Anderson-Beletski Prune Farm, Vancouver, Lancaster House, Ridgefield, Basalt Cobblestone Quarries District, Ridgefield, Glenwood School, Vancouver, Lambert School, Ridgefield, Ridgefield American Women's League Chapter House, Sara Store, Ridgefield, Shobert House, Ridgefield. There are various other sites listed on the Clark County Historic Resource Inventory and Heritage Registry within or near the area covered in the CGSP.

- B. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

Vancouver Lake Archaeological District is on the National Register of Historic Places, and is located adjacent to the District boundary.

- C. Proposed measures to reduce or control impacts, if any:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to minimize and mitigate any potential impacts.

14. TRANSPORTATION

- A. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

Existing street network is shown on the individual basin maps in the CGSP.

- B. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

Yes, C-Tran has multiple routes within portions of the area covered in CGSP.

- C. How many parking spaces would the completed project have? How many would the project eliminate?

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- D. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, please describe and indicate whether public or private.

ATTACHMENT C

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- E. Will the project use water, rail, or air transportation? If so, generally describe.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- F. How many vehicular trips per day would be generated by the completed project? Indicate when peak traffic volumes would occur.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- G. Proposed measures to reduce or control transportation impacts:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control transportation impacts.

15. PUBLIC SERVICES

- A. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, please describe.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

- B. Proposed measures to reduce or control direct impacts on public services.

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required. At the time of project development, project specific plans will be developed considering site conditions and best management practices and other project specific measures will be incorporated to reduce or control impacts on public services.

16. UTILITIES

- A. Circle utilities currently available at the site: (electricity), (natural gas), (water), (refuse service), (telephone), (sanitary sewer), (septic system), other.

Most of these utilities are available within portions of the area covered in the CGSP.

- B. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on or near the site.

The proposal plans for the provision of public sewer service within the District's service area. Separate project specific environmental review and construction plans will be required.

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: 

Date Submitted: 6/5/18

D. SEPA SUPPLEMENTAL SHEET FOR NON-PROJECT ACTIONS

INSTRUCTIONS:

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment. When answering these questions, be aware of the extent of the proposal and the types of activities likely to result from the proposal. Please respond briefly and in general terms.

1. How would the proposal increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

There will be an increase in the volume of wastewater collected throughout the service area commensurate with the population growth forecasted and planned for in the adopted comprehensive plans covering the service area. Expressed in terms of Equivalent Residential Units (ERU), the forecast population growth is approximately 25,000 new ERU, which will generate roughly five million gallons-per-day (5 MGD) of wastewater over the twenty year planning horizon. The CGSP adequately provides for the extension of public sewer service within the service area to ensure wastewater is safely and efficiently collected and conveyed to treatment facilities. Future construction of the specific capital improvement projects in the CGSP may temporarily increase the potential discharges to water and air, and produce noise during construction.

Proposed measures to avoid or reduce such increases are:

Not applicable to this proposal. Separate project specific environmental review and construction plans will be required.

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

The CGSP proposal will not adversely impact plants, animals, fish, or marine life. Environmental review for specific projects will identify and address, if necessary, any significant adverse environmental impacts.

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

Separate environmental review will be completed, on a project-by-project basis, to identify and address any significant adverse environmental impacts associated with the projects identified in the CGSP. Mitigation of any significant adverse environmental impacts will be evaluated on a project-by-project basis. Construction work will be performed in compliance with applicable local ordinances and regulations and project specific permit conditions and approvals.

3. How would the proposal be likely to deplete energy or natural resources?

The CGSP proposal is not anticipated to deplete energy or natural resources. Where gravity sewer service is not feasible, pump stations and force mains will be required. Pump stations use limited amounts of energy, generally operating to pump wastewater into gravity sewers when needed. A limited number of pump stations are also provided with on-site emergency generators, diesel powered, to provide service during power outages.

Proposed measures to protect or conserve energy and natural resources are:

The improvements identified in the CGSP maximize the use of gravity sanitary sewer service. Improvements will be designed to operate as efficiently as possible and will use energy efficient fixtures where practical and cost effective. (e.g. lights, pumps, etc.). Where feasible, the CGSP extends gravity sewers to allow for the eventual removal of pump stations.

ATTACHMENT C

4. How would the proposal use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

The CGSP proposal takes into account environmentally sensitive areas as part of the master-planning of the capital facilities. Some capital facilities proposed within the 20-year planning horizon may use or affect some of these sensitive areas.

Proposed measures to protect such resources or to avoid or reduce impacts are:

Project-specific plans will be developed and project-specific environmental reviews will be conducted. Projects will be designed to avoid and minimize impacts to environmentally sensitive areas to the extent possible. Appropriate mitigation measures will be implemented when impacts cannot be avoided. The impacts of individual projects will be considered against the environmental regulations adopted at the time the specific improvement plans are developed.

5. How would the proposal be likely to affect land and shoreline use? Will it allow or encourage land or shoreline uses incompatible with existing plans?

This proposal is not anticipated to impact land and shoreline use, or to encourage incompatible uses.

Proposed measures to avoid or reduce shoreline and land use impacts are:

Project-specific plans will be developed and project specific environmental reviews will be conducted. Projects will be designed to avoid and minimize impacts to environmentally sensitive areas to the extent possible. Appropriate mitigation measures will be implemented when impacts cannot be avoided. The impacts of individual projects will be considered against the environmental regulations adopted at the time the specific improvement plans are developed.

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

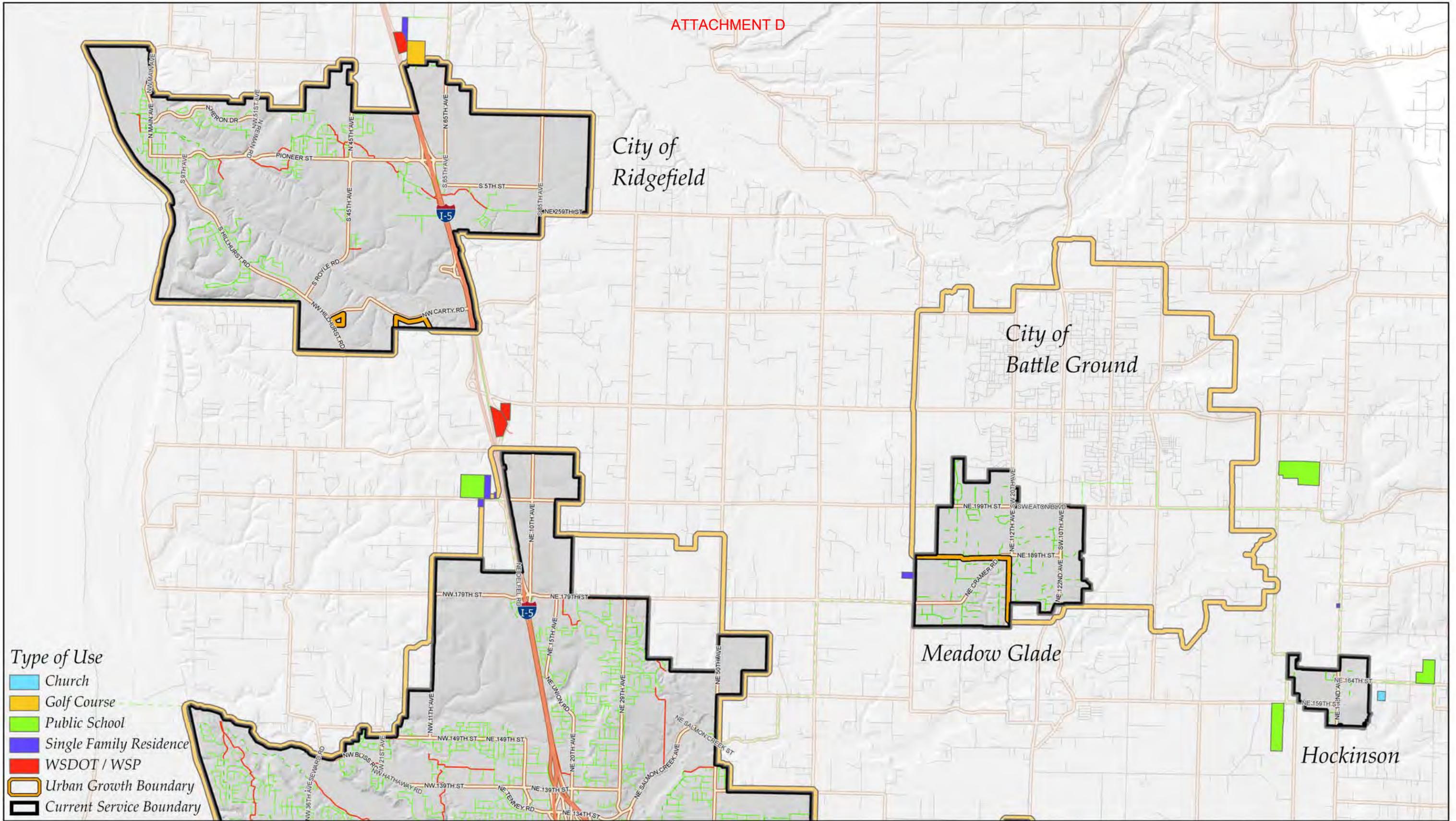
Not applicable to this proposal.

Proposed measures to reduce or respond to such demand(s) are:

Not applicable to this proposal.

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

The CGSP proposal is developed to comply with local, state and federal laws for the protection of the environment. The work outlined in the CGSP must be planned within the framework of the existing environmental laws.

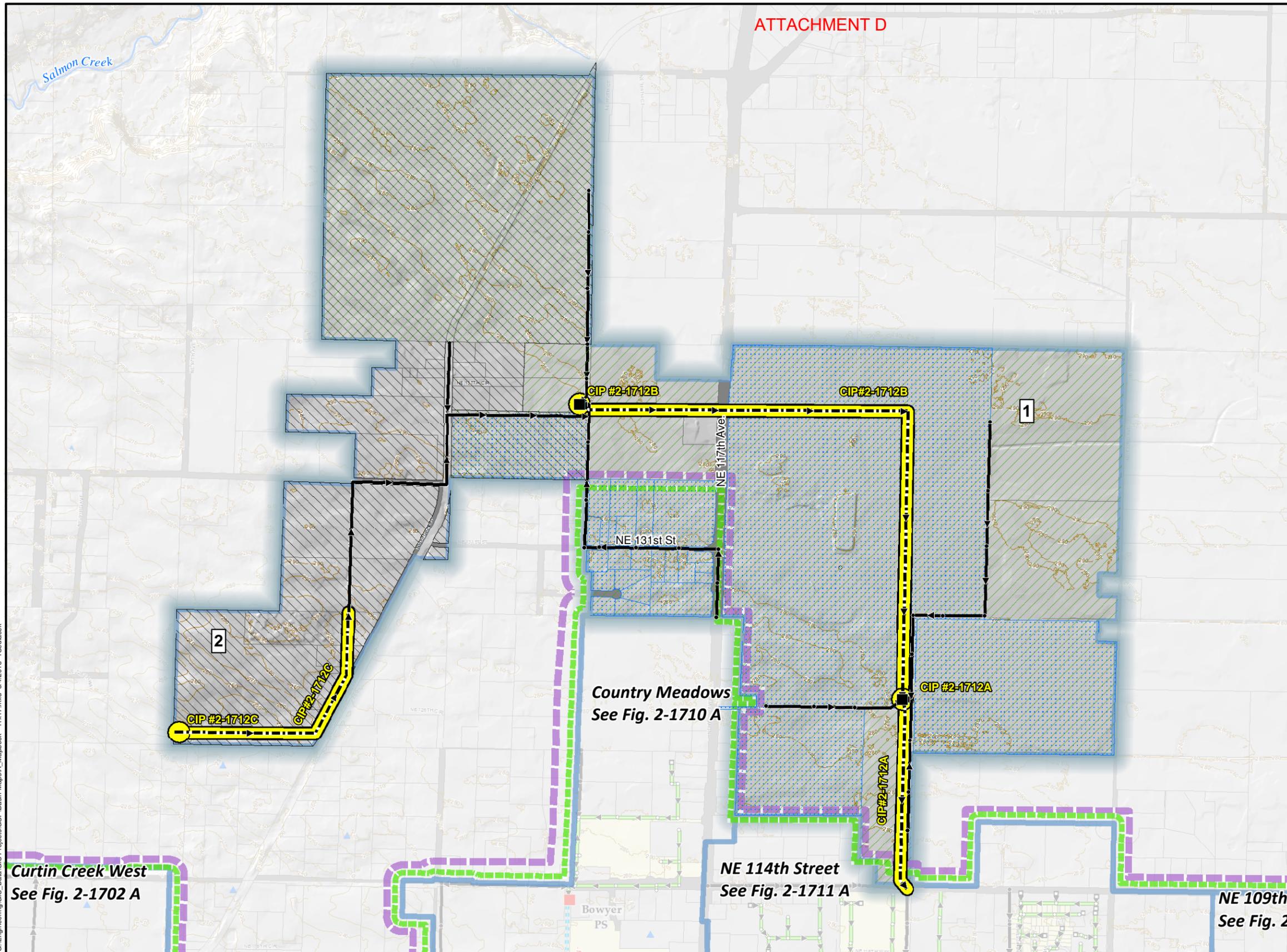
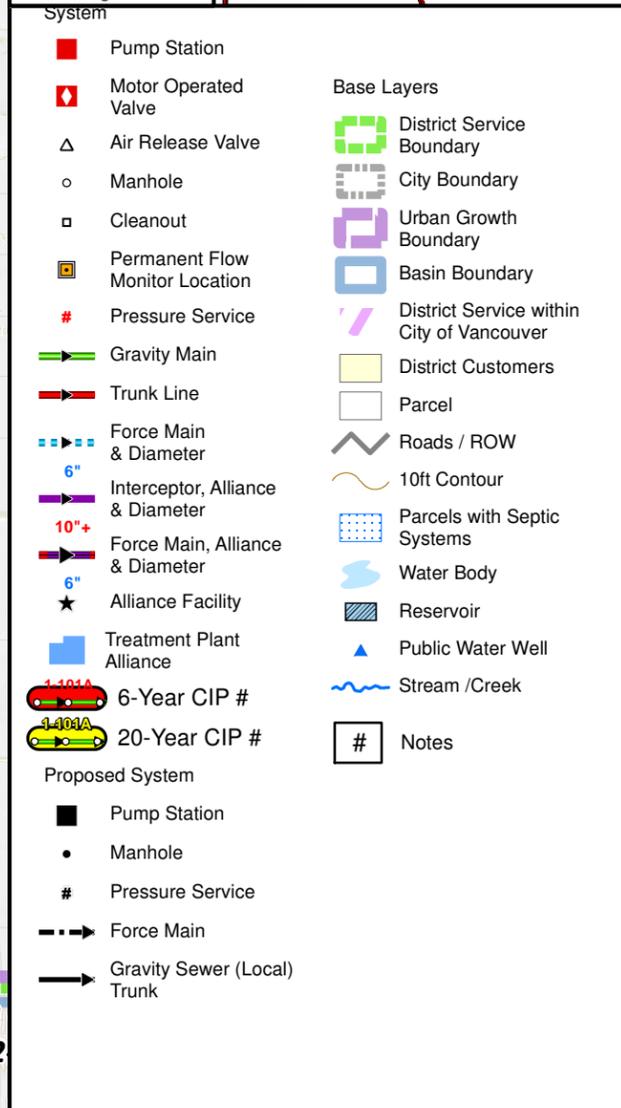
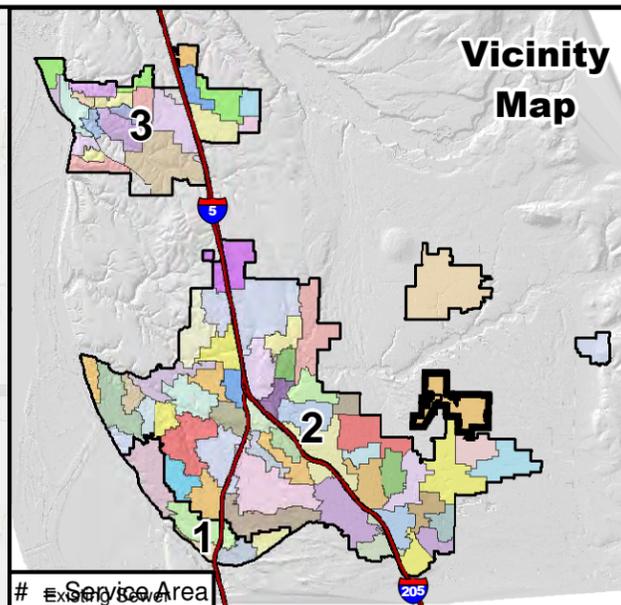


- Type of Use**
- Church
 - Golf Course
 - Public School
 - Single Family Residence
 - WSDOT / WSP
 - Urban Growth Boundary
 - Current Service Boundary

Sewer System & Basins: Clark Regional Wastewater District
 GIS Base data: Clark County
 Data sources supplied may not reflect current or actual conditions. This map is a geographic representation based on information available. It does not represent survey data. No warranty is made concerning the accuracy, currency, or completeness of data depicted on this map.
 Indicated scale when printed in 11x17 format.



Parcels served Outside of UGA
 Comprehensive General Sewer Plan
 Clark Regional Wastewater District
 December 2017



G:\Engineering\GIS Data\GIS Projects\GSP\Basin Maps\A_Mapbook - 11x17.mxd 6/4/2018 TSecleack

BHC CONSULTANTS

Sewer System & Basins: Clark Regional Wastewater District
 GIS Base data: Clark County
 Data sources supplied may not reflect current or actual conditions. This map is a geographic representation based on information available. It does not represent survey data. No warranty is made concerning the accuracy, currency, or completeness of data depicted on this map.
 Indicated scale when printed in 11x17 format.

Scale:
1 inch = 1,000 feet

Notes: Study Area - Service Restrictions Exist Outside the Urban Growth Boundary

- 1) Rural Industrial Land Bank (See 3.3.1)
- 2) Freight Rail Dependent uses overlay (See 3.3.1)



Mini Basin 2-1712 Land Bank
 Comprehensive General Sewer Plan
 Clark Regional Wastewater District
 December 2016

Figure
2-1712 A



STATE OF WASHINGTON

DEPARTMENT OF COMMERCE

1011 Plum Street SE • PO Box 42525 • Olympia, Washington 98504-2525 • (360) 725-4000
www.commerce.wa.gov

September 12, 2018

Jose Alvarez
Planner II
Clark County
1300 Franklin Street 3rd Floor
Vancouver, Washington 98668

Dear Mr. Alvarez:

Thank you for sending the Washington State Department of Commerce (Commerce) the following materials as required under RCW 36.70A.106. Please keep this letter as documentation that you have met this procedural requirement.

County of Clark - Proposed amendment to update Chapter 6 Capital Facilities and Utilities and Appendix E Capital Facility Plans Review and Analysis Element to reflect the update of the Clark Regional Wastewater District Comprehensive General Sewer Plan (GSP). These materials were received on September 11, 2018 and processed with the Material ID # 25259.

We have forwarded a copy of this notice to other state agencies.

If this submitted material is an adopted amendment, then please keep this letter as documentation that you have met the procedural requirement under RCW 36.70A.106.

If you have submitted this material as a draft amendment, then final adoption may occur no earlier than sixty days following the date of receipt by Commerce. Please remember to submit the final adopted amendment to Commerce within ten days of adoption.

If you have any questions, please contact Growth Management Services at reviewteam@commerce.wa.gov, or call Dave Andersen (509) 434-4491 or Paul Johnson (360) 725-3048.

Sincerely,

Review Team
Growth Management Services

**NOTICE OF PUBLIC HEARING
CLARK COUNTY PLANNING COMMISSION**

NOTICE IS HEREBY GIVEN that the Clark County Planning Commission will conduct a public hearing on **Thursday, December 6, 2018 at 6:30 p.m.**, at the Public Services Center, 1300 Franklin Street, Hearing Room, 6th Floor, Vancouver, Washington to consider the following:

2018 Annual Reviews and Dockets amending the 20-Year Growth Management Comprehensive Plan Text:

- A. CPZ2018-00020 Clark Regional Wastewater District:** A proposal to amend Clark County Comprehensive Plan, Capital Facilities Element and Appendix E Capital Facilities Plans Review and Analysis Element to reflect the update of the Clark Regional Wastewater District Comprehensive General Sewer Plan.
Staff Contact: Jose Alvarez, Jose.Alvarez@clark.wa.gov (564) 397-4898

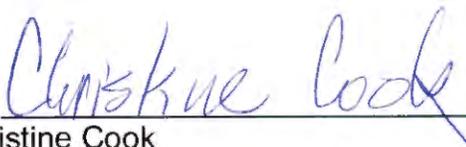
The staff reports, related materials and hearing agenda will be available 15 days prior to the hearing date on the county's web page at <https://www.clark.wa.gov/community-planning/planning-commission-hearings-and-meeting-notes>

Copies are also available at Clark County Community Planning, 1300 Franklin Street, 3rd Floor, Vancouver, Washington. For other formats, contact the Clark County ADA Office at ADA@clark.wa.gov.

Anyone wishing to give testimony at the hearing in regard to this matter should appear at the time and place stated above. Written testimony can be provided to the Clark County Planning Commission by e-mailing the clerk of the commission at Sonja.Wiser@clark.wa.gov or via US Postal Service to the Clark County Planning Commission, c/o Sonja Wiser, PO Box 9810, Vancouver, WA 98666-9810. Written testimony may also be submitted for the record during the hearing. Please ensure that testimony is received at least two (2) business days before the hearing if you would like staff to forward it to the Planning Commission before the hearing.

Approved as to Form only:

Anthony F. Golik
Prosecuting Attorney

By: 
Christine Cook
Senior Deputy Prosecuting Attorney

PLEASE PUBLISH:

Wednesday, November 21, 2018

Please Bill:

Clark County Community Planning
Attn: Sonja Wiser, Program Assistant
P. O. Box 9810
Vancouver, WA 98666-9810

Columbian Account 70914

**Clark Regional Wastewater District
Proposed Comprehensive Plan Edits**

Reference	Edit
Page 166; Table 6.1 Sewage Treatment Facilities - Ridgefield	City Clark Regional Wastewater District
Page 167, Table 6.2 Sewer Collection and Treatment – Estimated Cost	\$59,987,700 64,840,700
Page 170, Last paragraph; first sentence	Projected needs and funding sources for the Clark Regional Wastewater District are included in the District’s Comprehensive General Sewer Plan (GSP), December 2017 . March 2001 (with amendments in June 2006 and March 2013) which incorporates the City of Ridgefield General Sewer Plan, March 2013.
Page 170, Last paragraph; delete sentence four and five	The District is currently in the process of updating these plans. This update will be reviewed for consistency with the County’s Comprehensive plan.
Page 170, Last paragraph; last sentence	The current adopted six-year program for the period of 2016-2021 2017-2022 , consistent with the GSP , is summarized in Table 6.4 below. The program presents figures for both capital projects, new infrastructure and capacity, and restoration and replacement (R&R) projects, which represents re-investment in existing infrastructure.
Page 171, Table 6.4 Replace the table, in its entirety, with the following table	

(MILLIONS OF \$)			
	R&R PROJECTS	CAPITAL PROJECTS	GRAND TOTAL
6-YEAR CIP (2017-2022)	10.34	36.76	47.10
<i>Salmon Creek Service Area</i>	8.19	36.13	44.32
Vancouver UGA	7.73	22.08	29.81
Ridgefield UGA	0.46	14.05	14.51
<i>Westside Service Area (WVUGA)</i>	2.15	0.63	2.78
Reason for Need	Aging infrastructure	New capacity	
Funding Source	Rates and charges	Rates and charges	

Page 171, Table 6.4 - Source	Clark Regional Wastewater District Approved Budget GSP.
Page 171, Table 6.4 - Note	R&R Service area in the Table above stands for Restoration and Replacement refers to the treatment plant.

Proposed Comprehensive Plan Edits – Appendix

Page 380, 3. Clark Regional Wastewater District	\$122,989,428 <u>106,580,000</u>
Page 380, 3. Clark Regional Wastewater District	\$36,890,000 <u>40,640,000</u>
Page 381, 4. 2 nd paragraph	Clark Regional Wastewater District 2016 adopted Budget <u>Comprehensive General Sewer Plan (GSP)</u> contains a 6-year program of system improvements for the period of 2016-2021 <u>2017-2022</u> . The District service area includes the unincorporated Vancouver Urban Growth area and the Ridgefield Urban Growth Area. A listing of capital improvement projects to provide for service to each urban growth area is included. The 2013 Amended General Sewer Plan (<u>2017 GSP</u>) shows improvements and estimated costs. System components needed to support the proposed growth include: interceptor sewers, trunk sewers, 8” and smaller service lines, pump stations, and related appurtenances. Table E.11 shows the 6-yr Capital Improvement program costs. The district’s funding sources for capital improvements include but are not limited to the following: revenue bonds, utility local improvement districts, connection charges, <u>rates</u> , developer contributions and extensions, grants and loans.
Page 381, Table E-11 Replace the table, in its entirety, with the following table	

	(MILLIONS OF \$)					
	R&R PROJECTS		CAPITAL PROJECTS		TOTAL COST	FUNDING
	Number of Projects	Cost	Number of Projects	Cost		
6-YEAR CIP (2017-2022)	16	10.34	34	36.76	47.10	47.10
<i>Salmon Creek Service Area</i>	15	8.19	33	36.13	44.32	44.32
Vancouver UGA	13	7.73	19	22.08	29.81	29.81
Ridgefield UGA	2	0.46	14	14.05	14.51	14.51
<i>Westside Service Area (WVUGA)</i>	1	2.15	1	0.63	2.78	2.78

Page 412, City of Ridgefield	1. City of Ridgefield General Sewer Plan, Volumes I and II, March 2013.
Page 413, Clark Regional Wastewater District	<ol style="list-style-type: none"> Clark Regional Wastewater District, Comprehensive General Sewer Plan Amendment (Final), March 2013 <u>December 2017</u>. Clark Regional Wastewater District, Capital Facilities Plan, June 2006. Clark Regional Wastewater District, Six Year Capital Program 201-2019.

Comprehensive General Sewer Plan

Clark County
Planning Commission
November 15, 2018



Agenda

- **Goals & Objectives**
- **District History & Context**
- **Study Area Overview**
- **Growth Projections**
- **Infrastructure Planning**
- **Financial Analysis**
- **Summary & Conclusions**

Goals & Objectives

Goals & Objectives

Strategic Infrastructure Planning & Investment for the present and reasonably foreseeable future needs of the community.

- **Plan Goals**
 - Continued Regulatory Compliance
 - Support County and City Comprehensive Plan Goals
 - Provide a framework for future Capital Investment



20
YEAR

Comprehensive Growth
Management Plan
2015-2035

Goals & Objectives

- **Policy Objectives**
 - Provide Affordable & Reliable Service
 - Protect Public Health & the Environment
 - Support Economic Development



District History & Context

District History & Context

- Title 57 RCW “Water-Sewer District”
- Founded 1958
 - Clark County Sewer District No. 1
 - Hazel Dell Sewer District
 - Clark Regional Wastewater District
- 2014 – Ridgefield Collection System Transfer
- 2015 – Discovery Clean Water Alliance



Study Area Overview

Study Area Overview

- Size – 50+ mi²
 - 82 Sewer Basins
- Population Served – 100,000±
 - 43,000+ ERU
- Average Daily Flow – 8.3 mgd

‘ERU’ – Equivalent Residential Unit: the volume of flow from a single family household

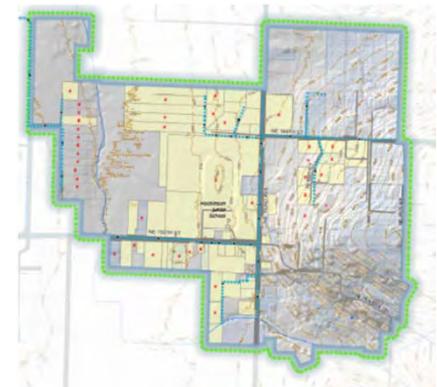
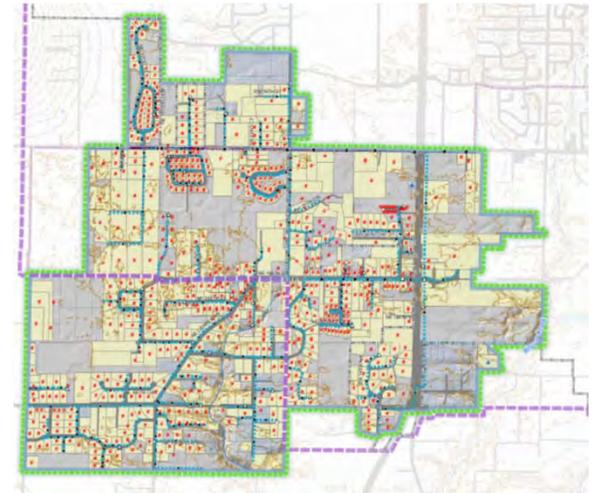
‘mgd’ – millions of gallons per day



Study Area Overview

- **Service Area**
 - **Urban Growth Areas**
 - City of Vancouver - 39 mi²
 - City of Ridgefield – 9 mi²
 - City of Battle Ground – 1.4 mi²

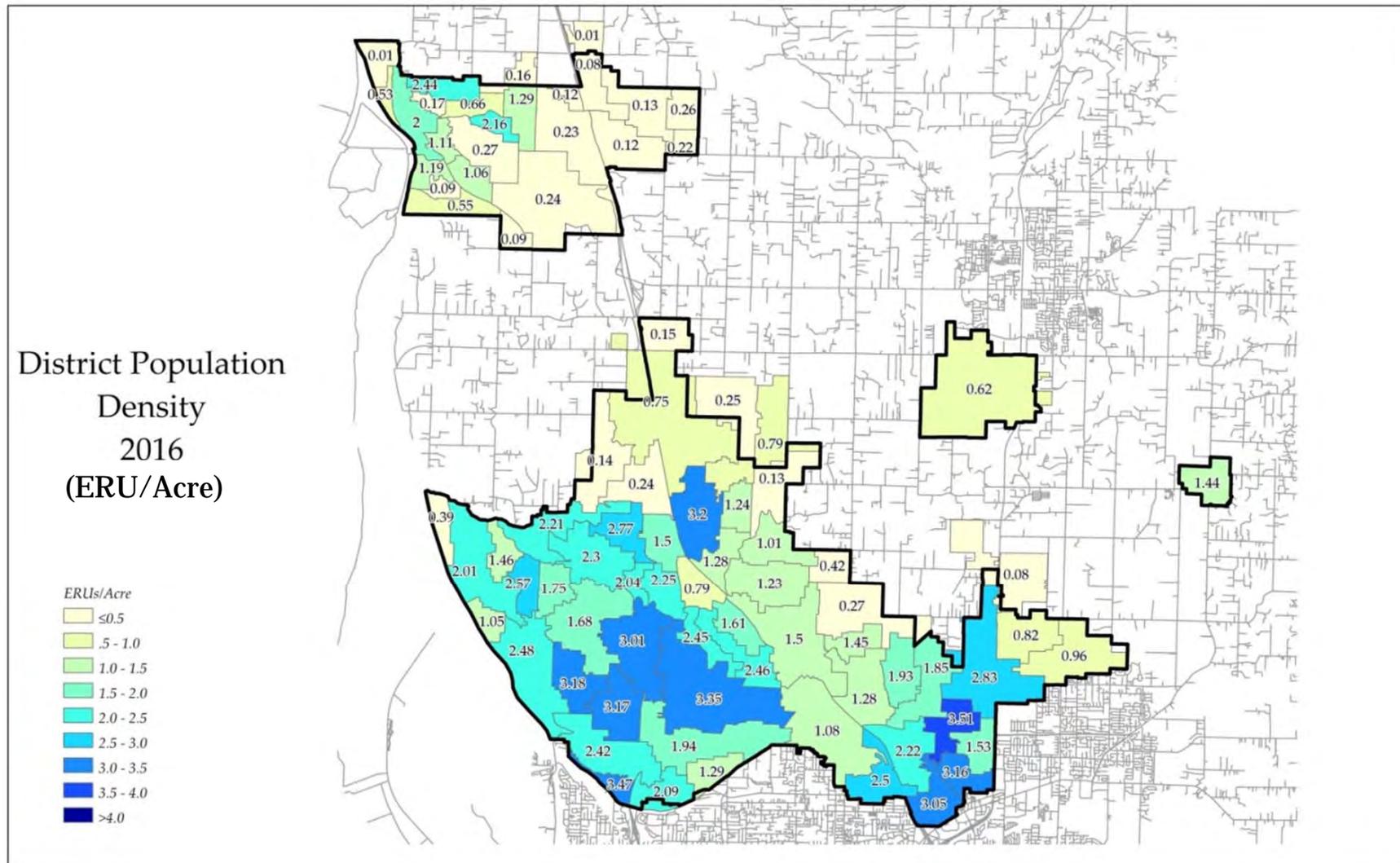
 - **Existing Areas Outside of the UGA**
(40.370 CC Unified Dev. Code)
 - **Rural Centers**
 - Meadow Glade & Hockinson
 - **Individual Parcels**
 - 4 schools, 3 public facilities,
7 private



Study Area Overview

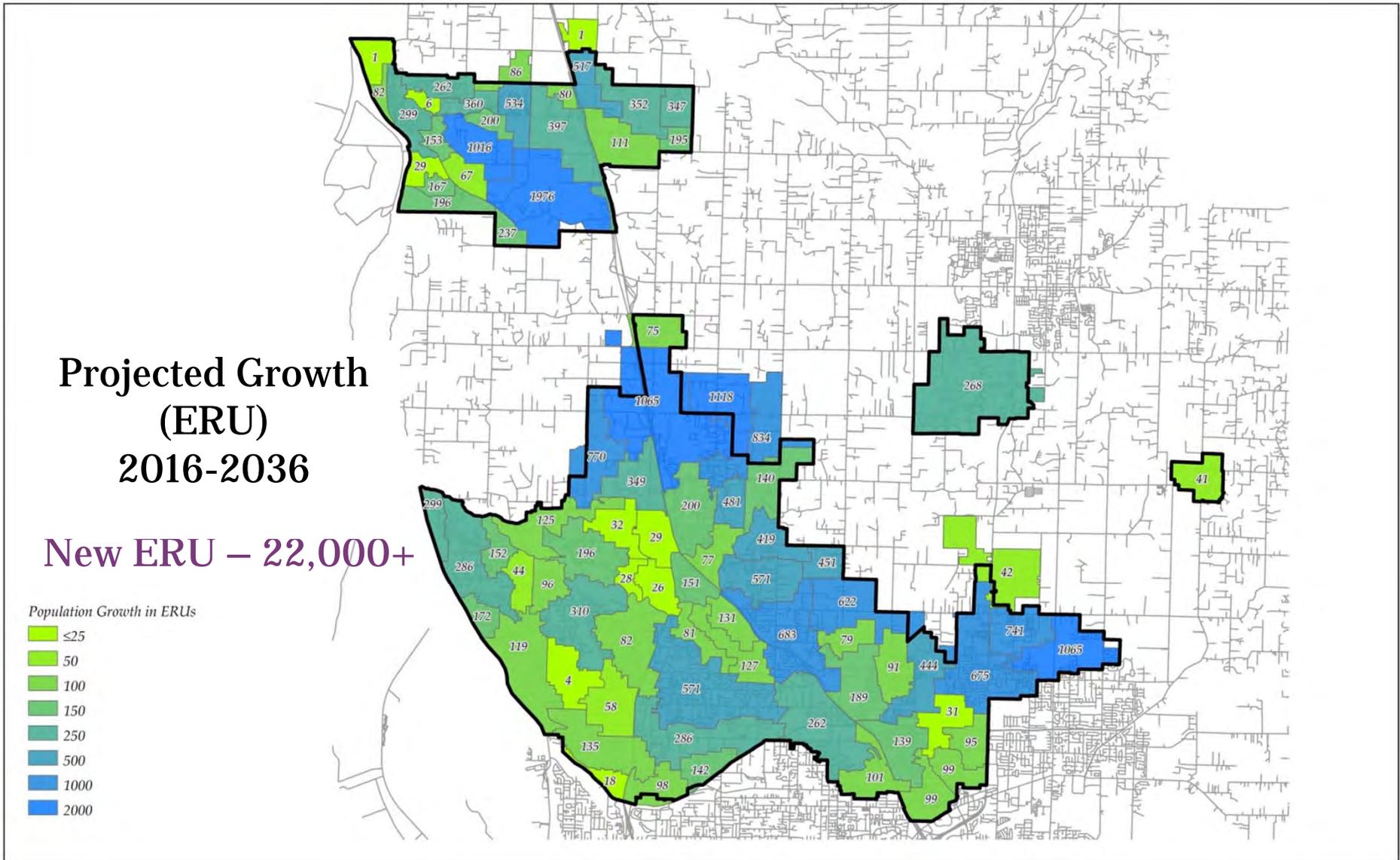
- **Future Needs - Areas of Study (RCW 57.16.010(2))**
 - **Establish feasibility of service and availability of capacity:**
 - Rural Industrial Land Bank
 - Freight Rail Dependent Uses Overlay Area
 - Allen Creek West – Ridgefield Annexation
 - **Local government with jurisdiction must approve District service, consistent with:**
 - RCW 57.16.010(7)
 - RCW 36.70A.110

Study Area Overview



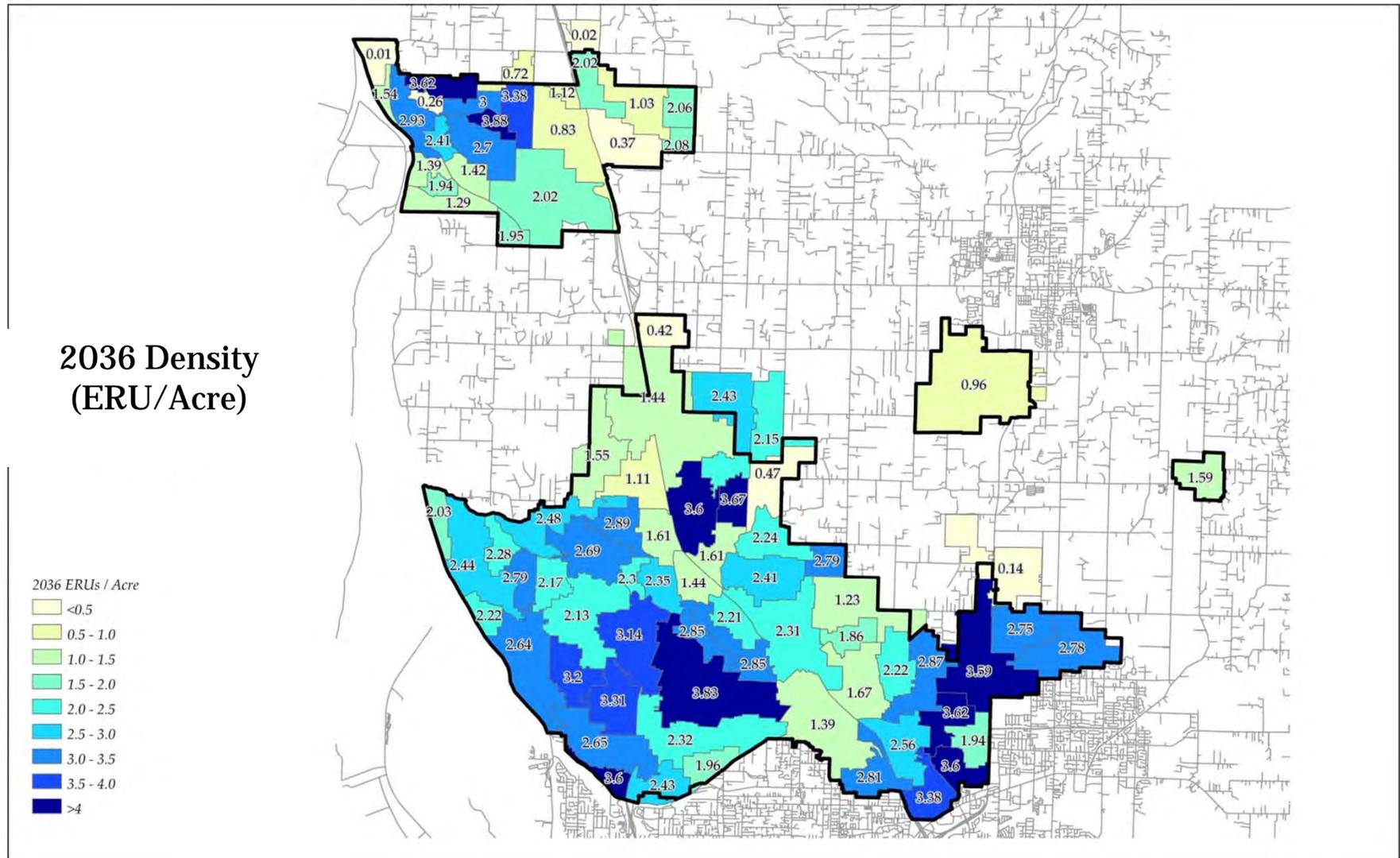
Growth Projections

Growth Projections (per County Comp Plan)



Growth Projections

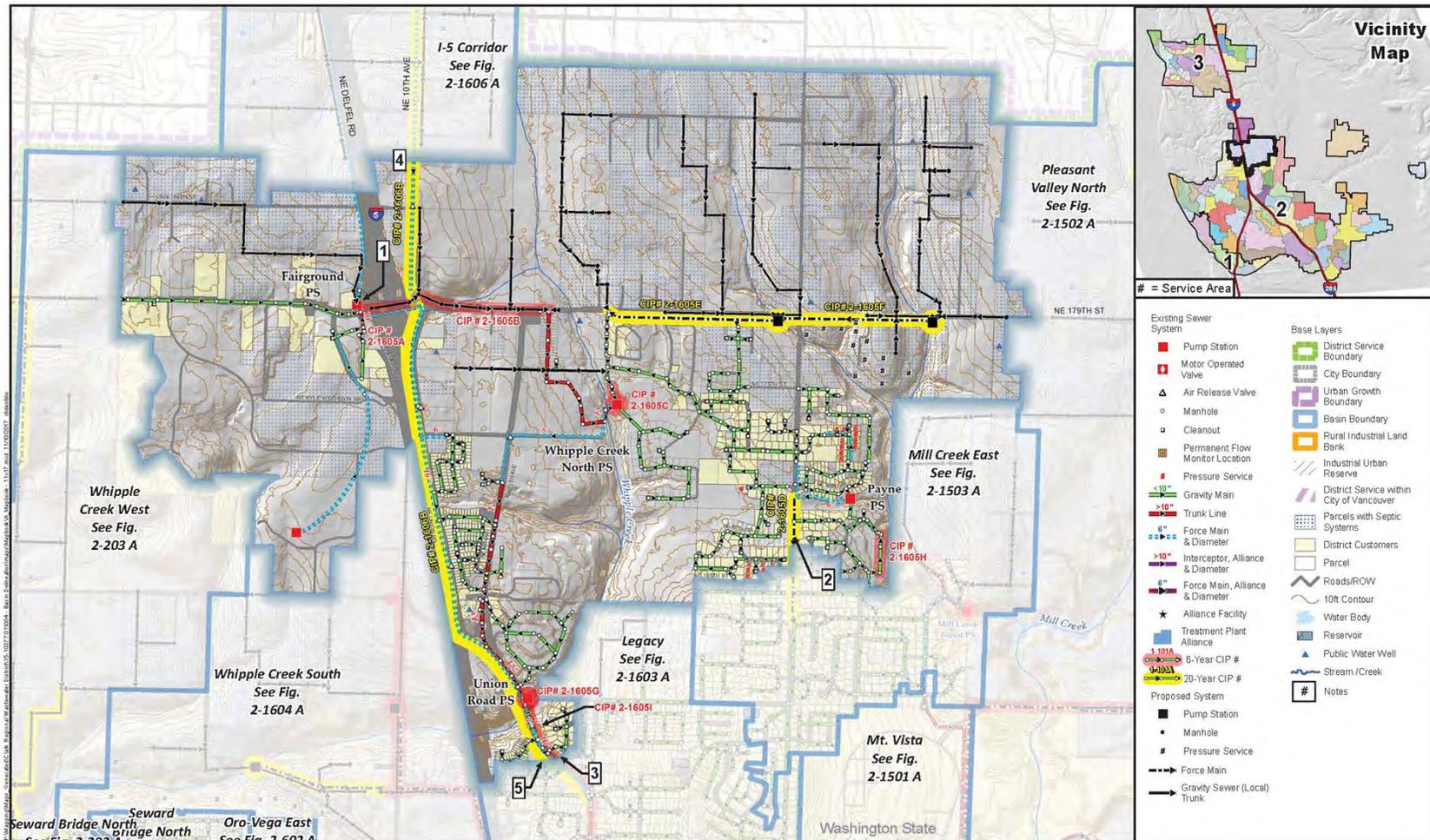
2036 Average Daily Flow – 16 mgd (80,000+ ERU)



Infrastructure Planning

Infrastructure Planning

• Schematic Planning for System Expansion



Sewer System & Basins: Clark Regional Wastewater District
 GIS Base data: Clark County
 Data sources supplied may not reflect current or actual conditions. This map is a geographic representation based on information available. It does not represent survey data. No warranty is made concerning the accuracy, currency, or completeness of data depicted on this map.
 Indicated scale when printed in 11x17 format.

Scale:
 1 inch = 1,200 feet

- Notes:
- 1) Fairgrounds PS to be Removed with CIP# 2-1605A.
 - 2) Payne PS Force Main to be re-routed and discharge to Mini# 5-6 in mini-basin 2-1603A.
 - 3) New 15-inch Force Main from Union Road PS under CIP# 2-1605I continues on Fig 2-1603A.
 - 4) Continuation of CIP# 2-1606B from mini-basin I-5 Corridor
 - 5) CIP# 2-1606B continues into mini-basin Legacy Fig 2-1603A.



Mini-Basin 2-1605 Whipple Creek East
 Comprehensive General Sewer Plan
 Clark Regional Wastewater District
 November 2017

Figure
2-1605 A

Infrastructure Planning

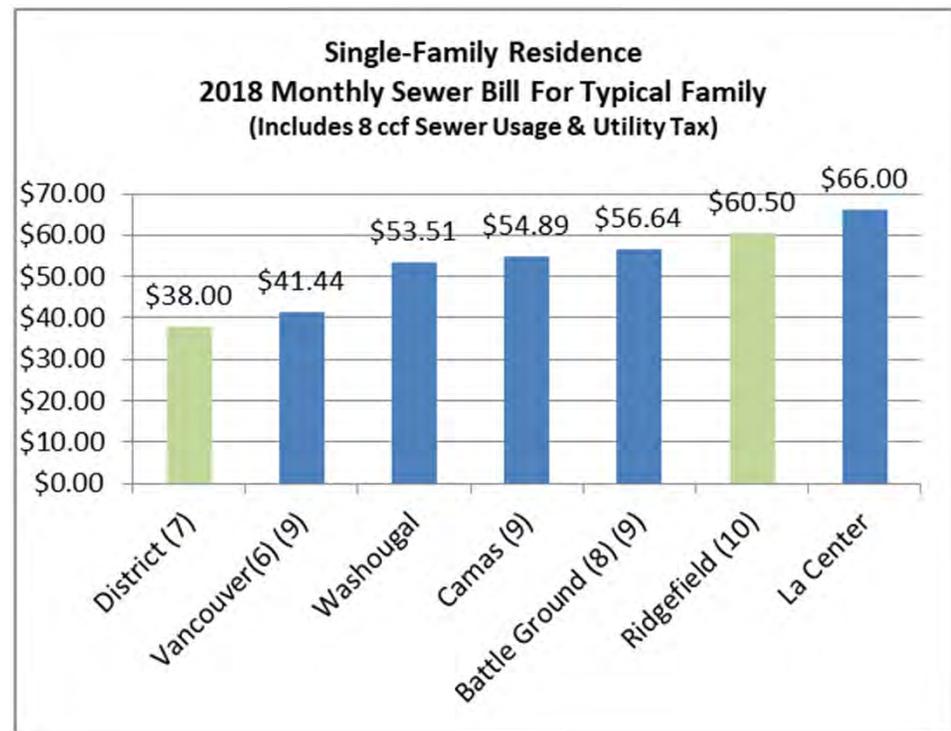
- Capacity Assessment
 - 25-yr Design Storm (Dec 7-8, 2015)
 - Calibrated Hydraulic Model
- 2036 System Capacity
 - 99% gravity sewers
 - 87 % of pump stations



Financial Analysis

Financial Analysis

- Capital projections are scale appropriate
- Stable and competitive rates and charges
 - Rates – Modest, inflationary adjustments
 - Charges – Incremental adjustments over time



Summary & Conclusions

Summary & Conclusions

- **Plan Goals**
 - **Regulatory Compliance**
 - General Comprehensive Plan – Chapter 57.16 RCW
 - General Sewer Plan – Chapter 90.48 RCW & Chapter 173-240 WAC
 - **Supports County and City Comprehensive Plan Achievement**
 - Capacity Available for 50+ % increase in flow
 - **Provide a framework for future Capital Investment**
 - \$147 M future CIP and R&R investment

City of Battle Ground, Washington

Comprehensive Plan 2015-2035



Adopted by City Council June 27, 2016

Ord. No. 16-05

Effective Date July 27, 2016



Summary & Conclusions

- **Policy Objectives**
 - **Economic Development**
 - Capacity planned for all Employment Lands
 - Flow allowances for Wet Industrial
 - **Affordable & Reliable Service**
 - Competitive rates & charges, locally and regionally
 - Maintain District Levels of Service
 - **Protecting Public Health & Environment**
 - \$45 M R&R Projects
 - \$102 M Capital Projects

Questions?

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For more information and to view the GSP, go to

<https://www.crwwd.com/projects/gensewer.php>