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NOTICE OF PENDING LIMITED LAND USE (ADMINISTRATIVE) DECISION

Applicant: Clean Water Services

Location: 1345 Fern Hill Road Washington County tax lot 1S305C000100

Request: Site Plan Approval for treatment plant upgrade projects

- Project Group 1 - Install a new clarifier and a new building for offices and electrical equipment. Construction would occur 2020-2021.
- Project Group 2 – Install new and replacement pumps, filters and treatment vessels. Construction would occur 2021-2022. Install additional visitor amenities at Fernhill Wetlands. Construction would occur 2020-2023.
- Project Group 3 – Install a new solids and treatment facility. Construction would occur completed in 2024.

All construction dates are tentative and are subject to change.

Project Groups 4 and 5 – Projects and construction dates are indeterminate and are not included in this site plan review. Additional notices for those projects will be provided at a later date.

File Number: 311-20-000011-PLNG

Date: February 18, 2020

This is your notice that the above land use application has been filed with the City of Forest Grove Community Development Department. If you wish to comment on this proposal, you must do so--in writing--prior to **March 3, 2020 at 5 p.m.** If an issue isn't raised during this comment period or if the issue isn't explained in sufficient detail to allow the applicant to respond, then that issue can't be used as the basis for an appeal. *Notice of final decision will be mailed only to those parties that have submitted written comments.* Criteria for approval of this request are as follows:

The development must comply with the use, lot size, yard setbacks, building height, off-street parking and loading, access and egress, landscaping, signage and additional requirements of the GI General Industrial zone, as described in Development Code Section 17.3.500 et. seq.

Information pertaining to this request may be obtained from Senior Planner James Reitz @ the Community Development Department, 1924 Council Street, (503) 992-3233, between 9 a.m. and 5 p.m. E-mail comments or questions to jreitz@forestgrove-or.gov

FOREST GROVE WASTEWATER TREATMENT FACILITY UPGRADE

PROJECT NARRATIVES

This document accompanies the Land Use Application and Land Use Planning Map to describe the future projects proposed at the Forest Grove Wastewater Treatment Facility. The narratives provided below list the basic need and functions for the upcoming projects. The projects are grouped based on expected date of construction/completion to accommodate growth in the community, aging equipment or poor condition of structures. The project groupings and timeline are subject to change based on local/regional fluctuations in wastewater flow/load at the facility.

Project Group 1

Secondary Clarifier Improvements: The project increases wet weather capacity at the plant, while improving treatment reliability during dry weather conditions. A new 120-ft diameter clarifier will be constructed to the south of the Aeration Basin, Grit Building and Headworks. This project is a step towards making a more resilient and flexible treatment system at Forest Grove. Construction is expected to be completed in summer of 2021. Access for construction will be from Poplar St/Ln., and will be prohibited from Fernhill Wetlands parking Lot. Truck traffic is expected to be heaviest in summer of 2020 during excavation efforts. Provisions have been added to the contract to prevent migration of dirt from the site and onto the streets.

Electrical Complex and Reuse Building: A new building will be constructed to serve as the electrical feed for new capital projects at the facility, as well as the offices of the Reuse/Fernhill Wetlands Manager and landscape team. Timing for the building will precede the completion of the Secondary Clarifier project and ultraviolet disinfection/effluent pump station (UV/EPS) projects. Construction is expected to be completed by spring of 2021. The building will be 1.5 stories at its highest peak and it will serve as a divide between the treatment facility and the Fernhill Wetlands parking lot. Access for construction will be from Poplar St/Ln., and will be prohibited from Fernhill Wetlands parking Lot. Truck traffic is expected to be heaviest in fall of 2020 during excavation efforts. Provisions have been added to the contract to prevent migration of dirt from the site and onto the streets.

Project Group 2

Ultraviolet Disinfection/Effluent Pump Station (UV/EPS): The project will increase wet weather treatment capacity and disinfection prior to the Fernhill Wetlands. A combination of pumps, filters and treatment vessels will replace aging and undersized equipment. The project also includes the addition of new tertiary filters, which will allow the District to provide recycled water to agricultural users. Construction is expected to be completed in summer/fall of 2022. Access for construction will be from Poplar St/Ln., and will be prohibited from Fernhill Wetlands parking Lot. Truck traffic is expected to be heaviest in summer of 2021 during excavation efforts. Provisions will be added to the contract to prevent migration of dirt from the site and onto the streets.

Reuse: The project is part of the District's temperature management plan for the Tualatin River. Reuse water from the treatment process will be stored in holding ponds, distributed to local agricultural fields, and later distributed to customers. The project is expected to run concurrently with the UV/EPS project. Construction is expected to be completed in summer/fall of 2022. Access for construction will be from

Poplar St/Ln., and will be prohibited from Fernhill Wetlands parking Lot. Truck traffic is expected to be heaviest in summer of 2021 during excavation efforts. Provisions will be added to the contract to prevent migration of dirt from the site and onto the streets.

Fernhill Improvements: The project is a continuation in the development of the Fernhill Wetlands as a public amenity. Components to these improvements may include a playground, viewing decks and visitor facilities. Construction is expected to be intermittent between summer of 2020 and 2023. Access for construction will use the Fernhill Wetlands parking Lot or the wetlands secondary access along Fernhill Road. Heavy construction traffic is not expected.

Project Group 3

Solids Improvements: The project adds waste solids handling and treatment to the facility. This will improve treatment operations, diversify solids handling and allow for continued growth of the District's biosolids reuse program. The District plans to produce a Class A beneficial use biosolid for local use. Construction is expected to be completed in summer of 2024. Access for construction will be from Poplar St/Ln., and will be prohibited from Fernhill Wetlands parking Lot. Provisions will be added to the contract to prevent migration of dirt from the site and onto the streets during construction activities. Upon completion of the project, truck traffic for off-site distribution of Class A biosolids will be via Fernhill Road. Early predictions estimate up to 5 trucks per week entering and leaving the facility.

Project Group 4

Tertiary Improvements: The project addresses potential changes to the meet increased regulatory requirements. Changes to the Districts' discharge permit with the Oregon Department of Environmental Quality have not yet been established and therefore the full scope of the project is not defined.

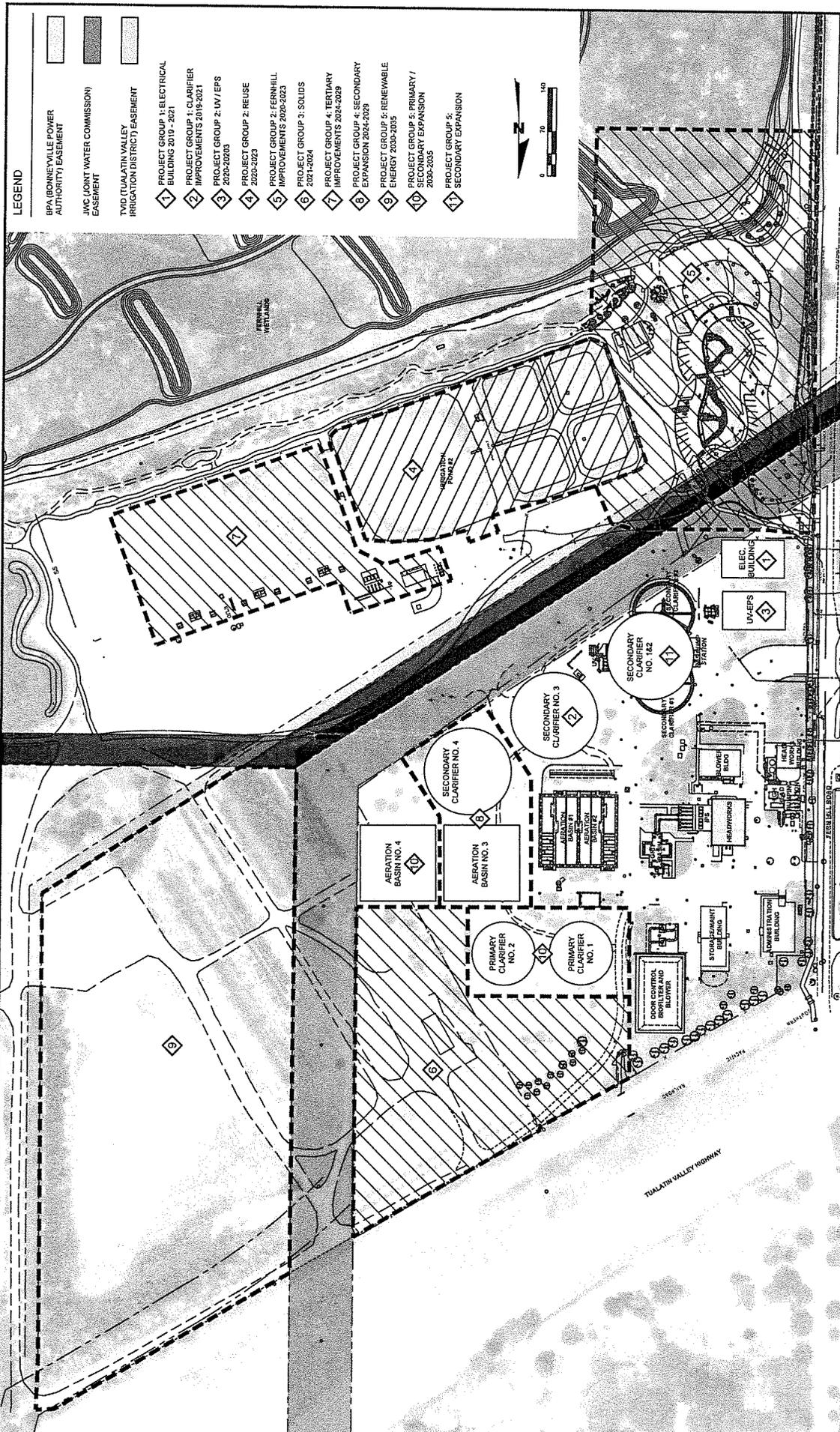
Secondary Expansion: The project adds treatment capacity to meet the projected local and regional growth, demonstrated in the West Basin Facility Plan (2014, Carollo Engineers). The project will add a new Secondary Clarifier and Aeration Basin.

Project Group 5

Renewable Energy: The project adds a renewable energy source for facility power and reducing operating costs.

Primary/Secondary Expansion: The project adds treatment capacity to meet the projected local and regional growth, demonstrated in the West Basin Facility Plan (2014, Carollo Engineers). The project will add two new Primary Clarifiers and an Aeration Basin.

Secondary Expansion: The project adds treatment capacity to meet the projected local and regional growth, demonstrated in the West Basin Facility Plan (2014, Carollo Engineers). The project will add one new Secondary Clarifier and remove two existing Secondary Clarifiers original to the plants construction in 1969.



LEGEND

- 1 PROJECT GROUP 1: ELECTRICAL BUILDING 2019 - 2021
- 2 PROJECT GROUP 1: CLARIFIER IMPROVEMENTS 2019-2021
- 3 PROJECT GROUP 2: LV/ EPS 2020-2020
- 4 PROJECT GROUP 2: REUSE 2020-2023
- 5 PROJECT GROUP 2: FERNHILL IMPROVEMENTS 2020-2023
- 6 PROJECT GROUP 3: SOLIDS 2021-2024
- 7 PROJECT GROUP 4: TERTIARY IMPROVEMENTS 2024-2029
- 8 PROJECT GROUP 4: SECONDARY EXPANSION 2024-2029
- 9 PROJECT GROUP 5: RENEWABLE ENERGY 2020-2025
- 10 PROJECT GROUP 5: PRIMARY / SECONDARY EXPANSION 2020-2025
- 11 PROJECT GROUP 5: SECONDARY EXPANSION

DATE	12/17/19
SCALE	1" = 240'
PROJECT NO.	NA
DRAWN BY	NA

FIG-01
 CIVIL
 FOREST GROVE & FERNHILL
 OVERALL SITE LAYOUT
 ENLARGED PLAN

PROJECT TITLE
 FOREST GROVE WMTF
 LAND USE MAP

CleanWater Services
 Only what is installed in the field.
 2558 SW Hillstone Hwy. Hillsboro, Oregon 97123-9279

REV#	DATE	BY	APP#	DESCRIPTION

THIS BAR IS ONE INCH
 WHEN DRAWING IS FULL
 SCALE.

DATE	Dec 2019
DWG #	
PROJECT #	
SCALE	1" = 240'