



State of California - Department of Fish and Wildlife  
**2023 ENVIRONMENTAL DOCUMENT FILING FEE**  
**CASH RECEIPT**  
 DFW 753.5a (REV. 01/01/23) Previously DFG 753.5a

**Print**    **StartOver**    **Save**

RECEIPT NUMBER:  
 48 — 12/07/2023 — 231  
 STATE CLEARINGHOUSE NUMBER (if applicable)  
 2023110138

SEE INSTRUCTIONS ON REVERSE. TYPE OR PRINT CLEARLY.

LEAD AGENCY <b>CITY OF DIXON</b>	LEAD AGENCY EMAIL	DATE <b>12/07/2023</b>
COUNTY/STATE AGENCY OF FILING <b>Solano</b>	DOCUMENT NUMBER <b>12072023-231</b>	

PROJECT TITLE

**CITY OF DIXON WASTEWATER TREATMENT FACILITY EXPANSION PROJECT**

PROJECT APPLICANT NAME <b>CITY OF DIXON</b>	PROJECT APPLICANT EMAIL	PHONE NUMBER <b>(707) 678-7030</b>
PROJECT APPLICANT ADDRESS <b>600 EAST A STREET</b>	CITY <b>DIXON</b>	STATE <b>CA</b>
		ZIP CODE <b>95620</b>

PROJECT APPLICANT (Check appropriate box)

- Local Public Agency   
  School District   
  Other Special District   
  State Agency   
  Private Entity

CHECK APPLICABLE FEES:

- |   |            |    |          |
|---|------------|----|----------|
| <input type="checkbox"/> Environmental Impact Report (EIR)  | \$3,839.25 | \$ | 0.00     |
| <input checked="" type="checkbox"/> Mitigated/Negative Declaration (MND)(ND)                        | \$2,764.00 | \$ | 2,764.00 |
| <input type="checkbox"/> Certified Regulatory Program (CRP) document - payment due directly to CDFW | \$1,305.25 | \$ | 0.00     |

- Exempt from fee  
      Notice of Exemption (attach)  
      CDFW No Effect Determination (attach)  
 Fee previously paid (attach previously issued cash receipt copy)

- |   |          |    |       |
|---|----------|----|-------|
| <input type="checkbox"/> Water Right Application or Petition Fee (State Water Resources Control Board only) | \$850.00 | \$ | 0.00  |
| <input checked="" type="checkbox"/> County documentary handling fee   | \$50.00  | \$ | 50.00 |
| <input type="checkbox"/> Other  |          | \$ | 0.00  |

PAYMENT METHOD:

- Cash   
  Credit   
  Check   
  Other

TOTAL RECEIVED \$ 2,814.00

SIGNATURE 	AGENCY OF FILING PRINTED NAME AND TITLE <b>AIMEE JOHNSON, DEPUTY</b>
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Check Number: 82282/82287  
 Receipt Number: 1080645/1080646

Notice of Determination

Appendix D

To:

Office of Planning and Research
U.S. Mail: Street Address:
P.O. Box 3044 1400 Tenth St., Rm 113
Sacramento, CA 95812-3044 Sacramento, CA 95814

County Clerk
County of: Solano
Address: 675 Texas Street, Suite 1900
Fairfield, California 94533

From:

Public Agency: City of Dixon
Address: 600 East A Street
Dixon, CA 95620
Contact: Brandon Rodriguez
Phone: (707) 678-7030

FILED
DEC 07 2023

Lead Agency (if different from above):
Address: Bill Emien, Clerk of the
Board of Supervisors of
the County of Solano,
State of California
Deputy James Johnson

SUBJECT: Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code.

State Clearinghouse Number (if submitted to State Clearinghouse): 2023110138

Project Title: City of Dixon Wastewater Treatment Facility Expansion Project

Project Applicant: City of Dixon

Project Location (include county): City of Dixon Wastewater Treatment Facility, Solano County

Project Description:

See attached.

This is to advise that the City of Dixon has approved the above
(Lead Agency or Responsible Agency)

described project on 12/05/2023 and has made the following determinations regarding the above
(date) described project.

- 1. The project [ ] will [x] will not have a significant effect on the environment.
2. [ ] An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.
[x] A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation measures [x] were [ ] were not made a condition of the approval of the project.
4. A mitigation reporting or monitoring plan [x] was [ ] was not adopted for this project.
5. A statement of Overriding Considerations [ ] was [x] was not adopted for this project.
6. Findings [x] were [ ] were not made pursuant to the provisions of CEQA.

This is to certify that the final EIR with comments and responses and record of project approval, or the negative Declaration, is available to the General Public at:

The City of Dixon and Solano County offices

Signature (Public Agency): [Signature] Title: City Manager

Date: 12/6/2023 Date Received for filing at OPR:

Document Posted From

Authority cited: Sections 21083, Public Resources Code. 12-07-2023 to 02-07-2024
Reference Section 21000-21174, Public Resources Code. Revised 2011

Deputy Clerk of the Board

# CITY OF DIXON WASTEWATER TREATMENT FACILITY EXPANSION PROJECT

Project Description  
November 2023

## 2.0 Project Description

The City of Dixon previously upgraded the WWTF in 2017 under the City of Dixon Wastewater Treatment Facility Improvements Project. The 2017 upgrades were analyzed under a separate CEQA ISMND process (SCH#2014012034). The purpose of the 2017 WWTF project was to replace aged facilities with modern water treatment technologies, conserve water by minimizing water evaporation during treatment, improve water quality, and upgrade the WWTF to accommodate an average dry weather flow (ADWF) of 1.92 million gallons per day (Mgal/d). Since the 2017 WWTF upgrades, the City of Dixon 2040 General Plan (City of Dixon 2021) was updated and adopted in May 2021. The Project would expand the WWTF to meet the buildout capacity projections based on land use designations contemplated in the updated City of Dixon 2040 General Plan. The WWTF upgrades would occur within the existing WWTF footprint and would be designed to accommodate 3.3 Mgal/d ADWF (Figure 1-2 and 2-1).

## 2.1 Proposed Project Components

### 2.1.1 INFLUENT PUMP STATION AND HEADWORKS IMPROVEMENTS

The influent pump station must be upsized to have a reliable pump capacity that can handle the estimated future peak hour flow. This entails replacing the two small 15 horsepower (HP) pumps with two large 85 HP pumps and keeping two existing 35 HP pumps. In addition, the screen capacity and the grit removal systems would be upgraded to provide additional flow capacity. Last, the existing 10-inch magnetic flow meter would be upsized to 12-inches and would include modifications to the piping arrangement so that the flow meter would be downstream of the connection to the hydro pneumatics tank.

### 2.1.2 SECONDARY TREATMENT

The existing secondary treatment system includes two oxidation ditches, two secondary clarifiers, and a Return Activated Sludge (RAS) pump station. The existing WWTF was designed with a capacity of 1.92 Mgal/d ADWF. Therefore, to meet the increased capacity of 3.3 Mgal/d ADWF, the following components would be upgraded:

- Add one oxidation ditch and one secondary clarifier, all equivalent in size to the existing units.
- Replace one existing blower with two larger blowers.
- Add three modulating valves, one to each oxidation ditch air header.
- Change the diffusers in the existing ditches.
- Add a new RAS pump similar to the existing pumps as the RAS pump station.



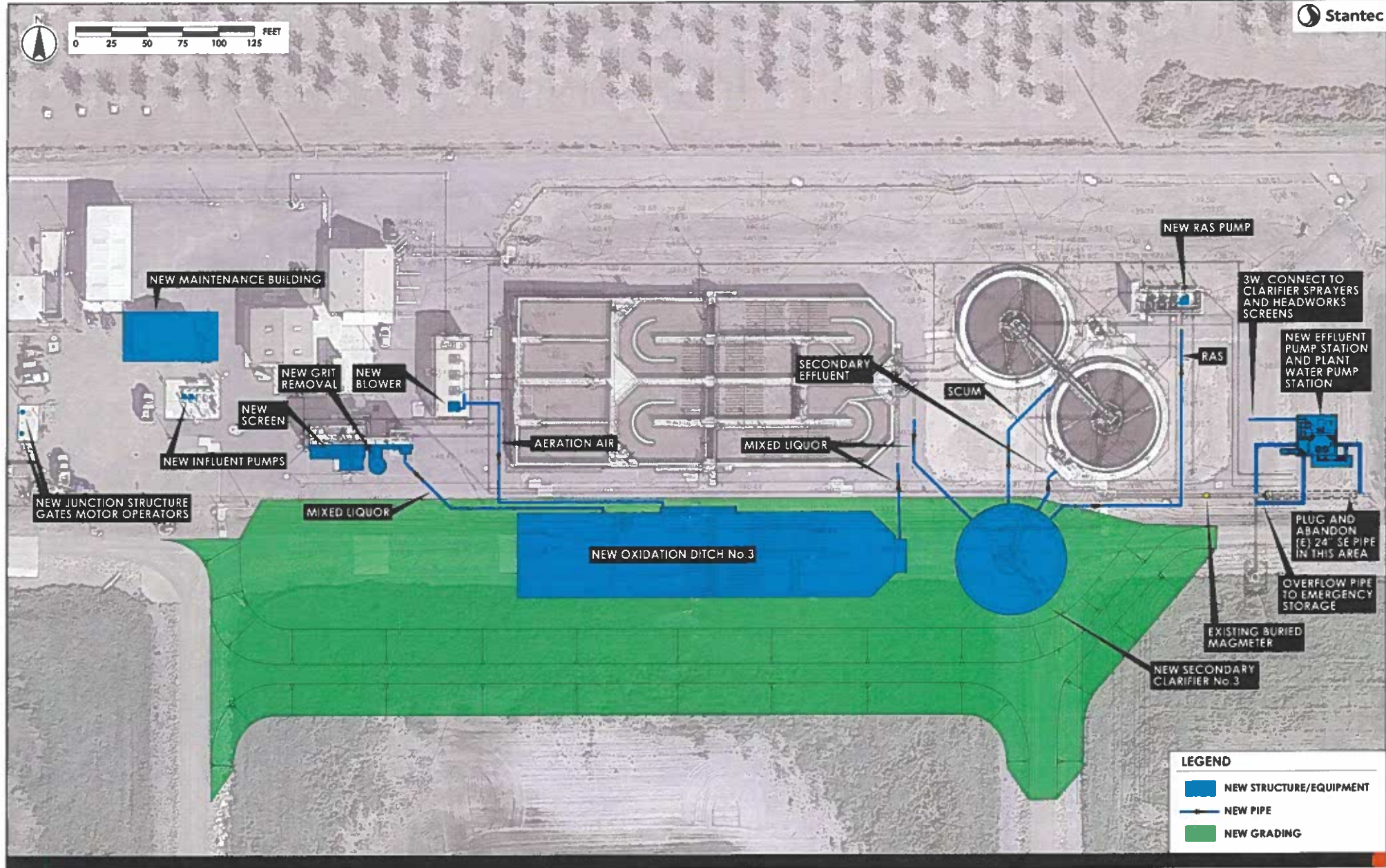


Figure 2-1  
Dixon WWTF Expansion Project Site Layout (excluding SSB)



# CITY OF DIXON WASTEWATER TREATMENT FACILITY EXPANSION PROJECT

Project Description  
November 2023

## 2.1.3 EFFLUENT PUMPING

The existing effluent system is not capable of processing the proposed expanded capacity of 3.3 Mgal/d ADWF. Therefore, the city proposes to install a secondary effluent pump station. The effluent pump station would be located east of Secondary Clarifier 2. The pump station would have a wet well and two vertical turbine pumps (one duty and one stand by) that would be used when gravity flow is not possible. Each pump would have a capacity of 7.5 Mgal/d and would have a 100-HP motor.

## 2.1.4 EFFLUENT PIPING

The existing two-mile long effluent pipeline, which carries effluent from the treatment processes to the disposal percolation ponds, has manholes, cleanouts, and appurtenances that are not capable of withstanding pressurization from the new effluent pump station. The Project would upgrade the effluent pipeline and appurtenances to allow continuous operation under pressure.

## 2.1.5 SOLIDS HANDLING

The city proposes to install two new solids stabilization basins, similar to the existing basins, as shown in Figure 2-1. The new basins are slightly larger than the existing basins, to keep the volatile solids loading rates below recommended limits and reduce odor potential.

## 2.1.6 PLANT WATER DESIGN

City water is used to provide wash water to the plant hose bibs, influent screens, and secondary clarifier surface spray system. The city water is potable water, a valuable resource that needs to be conserved and is expensive for its intended use. Therefore, the following upgrades to the plant water system would occur:

- Install two vertical turbine 100 gallons per minute pumps in the wet well of the effluent pump station.
- Install two filters, each is capable of filtering 100 gallons per minute.
- Install two 120-gallon tanks for sodium hypochlorite storage.
- Install two peristaltic pumps (0.1 to 2 gallons per hour) to dose sodium hypochlorite.
- Install an inline static mixer to mix sodium hypochlorite to filtered plant water.
- Install one 500-gallon hydro-pneumatic tank.

## 2.1.7 MAINTENANCE BUILDING

The original plant design included a new maintenance building, but the building was not constructed due to financial constraints. With this expansion project, additional maintenance space would be needed. The Project would include a new four bay maintenance building as a part of the Project. The maintenance building would be on the north side of the Influent Pump Station and west of the Electrical Building. The



# CITY OF DIXON WASTEWATER TREATMENT FACILITY EXPANSION PROJECT

Project Description  
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new maintenance building would have four 14 feet high by 12 feet wide motorized roll up doors and man doors on both ends. One of the end bays would have an interior wall between bays and an inside door. The enclosed bay that would be used for pesticide/herbicide storage would have a shower/eye wash station. The building would have two vents (one with fan and thermostat) and a building alarm system.

## 2.2 Construction Activities and Schedule

The proposed construction activities include site preparation, demolition, grading, trenching, paving, building construction, and architectural coating. Typical construction equipment, such as excavators, backhoes, and dump trucks would be utilized for these activities. Access to the proposed project site and staging areas may occur along Pedrick Road, Casey Road, State Hwy 113, and Interstate Hwy 80. All construction impacts would be located within the existing WWTF footprint. Staging areas would be on previously disturbed areas of the existing WWTF. The total footprint for the Project occupies approximately 10 acres. Grading for installation of the new oxidation ditch and clarifier would occupy 2.5 acres located south of the existing WWTF facilities and extend into the existing treatment pond system. Construction is expected to occur toward the end of 2024 or in the spring of 2025 and would last approximately 24 months.

## 2.3 Operation

The city would continue to operate the WWTF to minimize cost and maximize efficiency. In general, operation and maintenance activities at the upgraded WWTF would be similar to existing activities. The WWTF expansion would result in additional energy usage; however, the modern facilities would be energy efficient and would increase water efficiency.

