

## FAIR STREET DETENTION BASIN IMPROVEMENT PLAN (SWRP PROJECT R)

### General Project Information:

This project is a plan to improve the Fair Street Detention Basins (Basins). The intent of the Fair Street Detention Basin Project is to improve the Basins and the operations of the Basins to reduce potential flooding issues, improve habitat, and improve public health. The Basins function as detention basins for a 550-acre watershed that includes high and low density residential, commercial, industrial, and open space land uses. The Basins drain into Comanche Creek. The Basins also provide aquatic and riparian habitat. The plan will evaluate the following:

- Repairs to BD ditch to reduce flooding. A storm drainage computer model will be prepared to identify the causes of flooding and recommended flood control improvements.
- Prevent trash from entering the Basins and Comanche Creek to improve habitat around those areas. The Fair Street Detention Basin watershed contains many high trash-generating land uses. Installation of trash racks that meet the requirements of the State's Trash Amendments will be evaluated.
- A plan will be developed to remove invasive vegetation and replant with native vegetation.
- Coordinate with Butte County Mosquito and Vector Control District to determine if vector control needs to be improved.
- Improve community recreation by updating the wildlife viewing area.
- Watershed Area: 550 acres

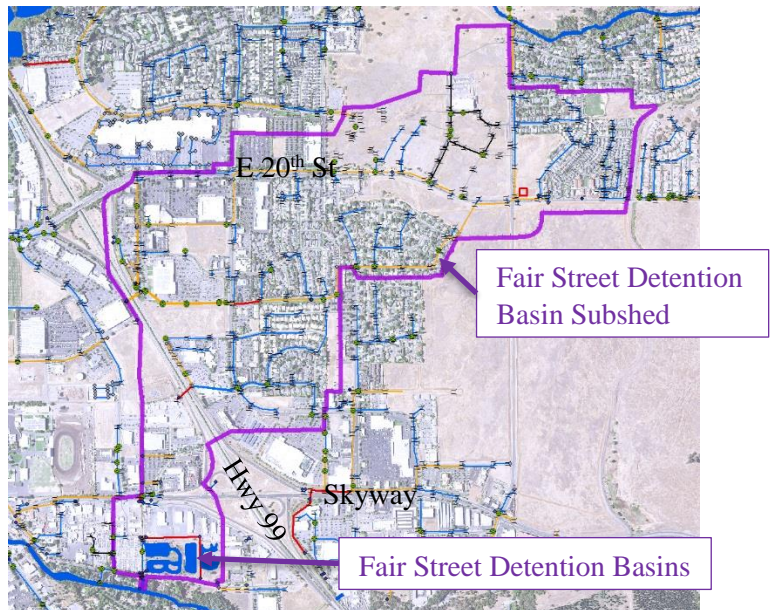
### Benefits Resulting from this Project

When the Fair Street Detention Basin Improvement Plan is fully implemented, the following benefits are expected to occur:

- **Water Quality:** Water quality is expected to be improved because removing trash will remove pollutants.
- **Water Supply:** Water supply is not expected to change.
- **Flood Management:** Flood management is expected to be improved because flooding will be reduced on the BD ditch and the detention storage will be optimized.
- **Environmental:** The environment is expected to be improved because invasive species will be replaced with native vegetation and removing trash will help protect the habitat.
- **Community:** The community is expected to be improved because improving vector control will promote public health.

### Project Costs

- **Estimated Plan Preparation Cost:** The estimated cost of preparing this plan is to be determined (TBD). This cost does not include the costs of designing and constructing the improvements that will be identified in the plan.



## Photos

The following photographs are of the Fair Street Detention Basin Area.



**Photograph 1**



**Photograph 2**



**Photograph 3**



**Photograph 4**

## Initial Projects Included

This project includes the following Initial Projects in whole or in part:

- SWRP 43 - Fair Street Detention Basin Improvements
- SWRP 60 - Fair Street Detention Ponds
- SWRP J - Detention Basin Implementation and Modification Plan