

Construction in McCall Avenue and Fancher Creek Detention Basin

HAPPENING NOW

Construction of concrete storm drain pipeline in McCall Avenue between Princeton and McKinley Avenues began July 7, 2020 and is scheduled to run through the end of September, 2020. Just over half a mile of 72" pipeline will connect the Fresno Irrigation District's (FID) Gould Canal to the Fresno Metropolitan Flood Control District's (FMFCD) 271-acre Fancher Creek Detention Basin at McKinley Avenue. The pipeline will deliver stormwater from the canal to the basin for two main purposes:

- **To improve flood protection and operational flexibility:** Allow routing of stormwater out of Gould Canal to increase canal capacity, which then allows pumping of downstream basins into Gould Canal during major storms.
- **To improve regional water supply self-reliance:** Rather than being routed out of the local region, stormwater from Gould Canal can be routed to the basin and allowed to percolate through the soil to recharge the local groundwater aquifer.

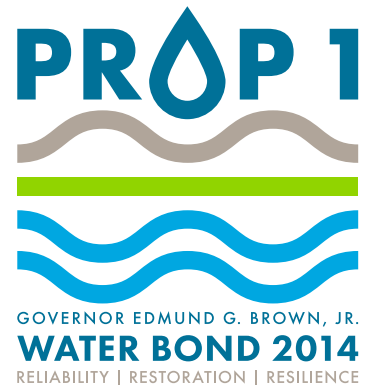
HAPPENING SOON

Construction of a pump station and pipelines in Fancher Creek Detention Basin is scheduled to start in mid-October 2020 and run through mid-February 2021. The pump station will house six, 33 cubic feet per second pumps and a telemetry system. The pipeline will connect the two cells of the basin, and the south cell of the basin to Fancher Creek.

- The new infrastructure will allow movement of large volumes of water with remote operations.
- Once fully excavated, the detention basin will hold 1,891 acre-feet of stormwater to protect people and properties downstream from flooding.
- The detention basin will allow capture of stormwater for groundwater recharge that would otherwise be lost to the local region. Its estimated annual groundwater recharge capability is 2,500 acre-feet.

PART OF A LARGER PROJECT

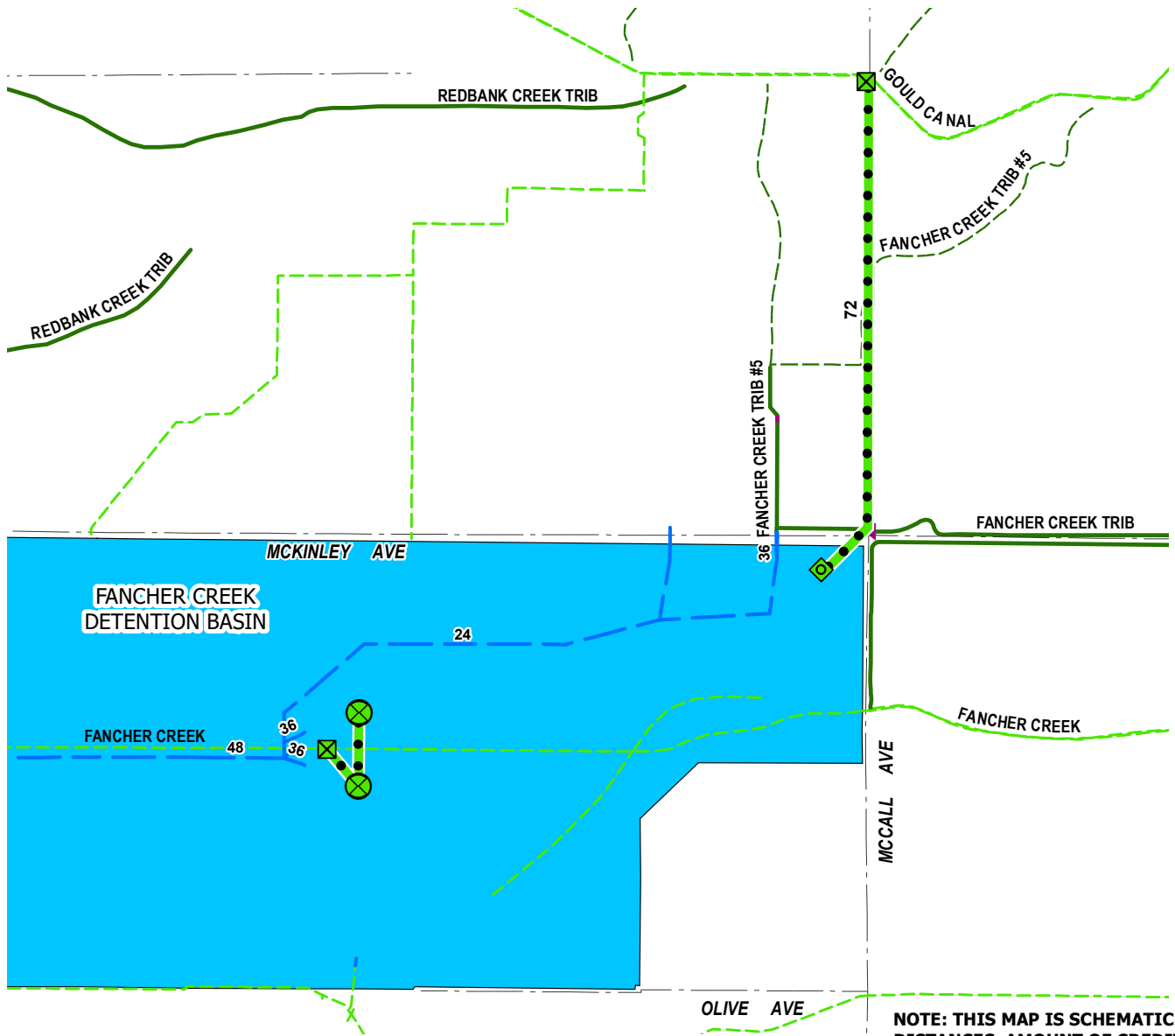
These two projects are part of a larger partnership project between FID and FMFCD. The **'Fresno Stormwater Capture, Retention and Reuse Project'** is a multi-benefit stormwater project, at seven sites spread across south Fresno from east to west. It is a \$12 million project, with 70% of funding provided by the **State of California's Proposition 1 Storm Water Grant Program (Prop 1 SWGP)**. The Prop 1 SWGP is administered by the State Water Resources Control Board. The 30% local cost share will be split by FID and FMFCD.



In addition to the work described here, two more FMFCD stormwater basins will be connected to nearby canals to allow them to receive and retain stormwater for flood protection and groundwater recharge. Pump stations will be constructed at these basins for additional flood protection. The two basins have a combined area of 21 acres, stormwater capacity of 305 acre-feet, and annual groundwater recharge capability of 450 acre-feet.

FID's Central Basin Project is a 90-acre groundwater recharge facility to be constructed at three sites in south Fresno. This project's annual groundwater recharge capability is estimated at nearly 2,600 acre-feet.

Together, these completed infrastructure projects will allow the capture and retention of flood and surface water to provide more flood protection from major storms, and annual average of 5,550 acre feet of groundwater recharge capability to help reverse our area's longstanding groundwater overdraft conditions. Additional benefits include creating more aquatic ecosystem and wildlife habitat at the six basin sites, with a total of 392 acres.



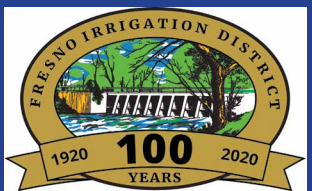
LEGEND

- Pump Station, Pipe, Outfall & Canal Intertie To Be Constructed
- Existing Master Plan Facilities
- FID Facilities
- Drainage Area Boundary

NOTE: THIS MAP IS SCHEMATIC. DISTANCES, AMOUNT OF CREDITABLE FACILITIES, AND LOCATION OF INLET BOUNDARIES ARE APPROXIMATE.



FANCHER CREEK DETENTION BASIN IMPROVEMENTS



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For questions on the work in McCall Avenue or Fancher Creek Detention Basin, contact Jarrod Takemoto, Rural Streams/Capital Projects Manager, at (559) 456-3292 or jarrodt@fresnofloodcontrol.org.