

WORK PLAN WELL #33

PROJECT DISCRPTION

The well 33 system was designed and constructed in the 1920's. It pumps approximately 75.42 million gallons of water each year. By using our measurement methods it has been determined that 53% or approximately 40.004 million gallons is not making it to the end user. This loss is caused by damaged concrete pipes, blockages, leaking gates and valves and the high friction coefficient of the old concrete pipes. By replacing approximately 10,245 ft of this system with new 12 inch schedule 80 PVC pipe, hub gates and valves we will eliminate this loss.

In addition to wasting our precious ground water resource we are using an extra 21,599 kWh of power per year to provide the water users with the water they need.

Throughout the 25 year useful life of this project it is estimated we will save 1000.10 million gallons of water and 540,407 kWh of electricity.

WORK TASKS

We will begin digging out the old concrete pipe with a backhoe. In the resulting trench the new pipe will be put in place and attached together. Hub gates, valves, air vents and surges will be placed where the old ones were removed. While the new pipe is being installed the old concrete pipes will be crushed and loaded into dump trucks for disposal. After the pipe has been fitted with the new gates and valves the trench will be back filled. The restoration will progress at approximately 300 ft/day.

MONITORING

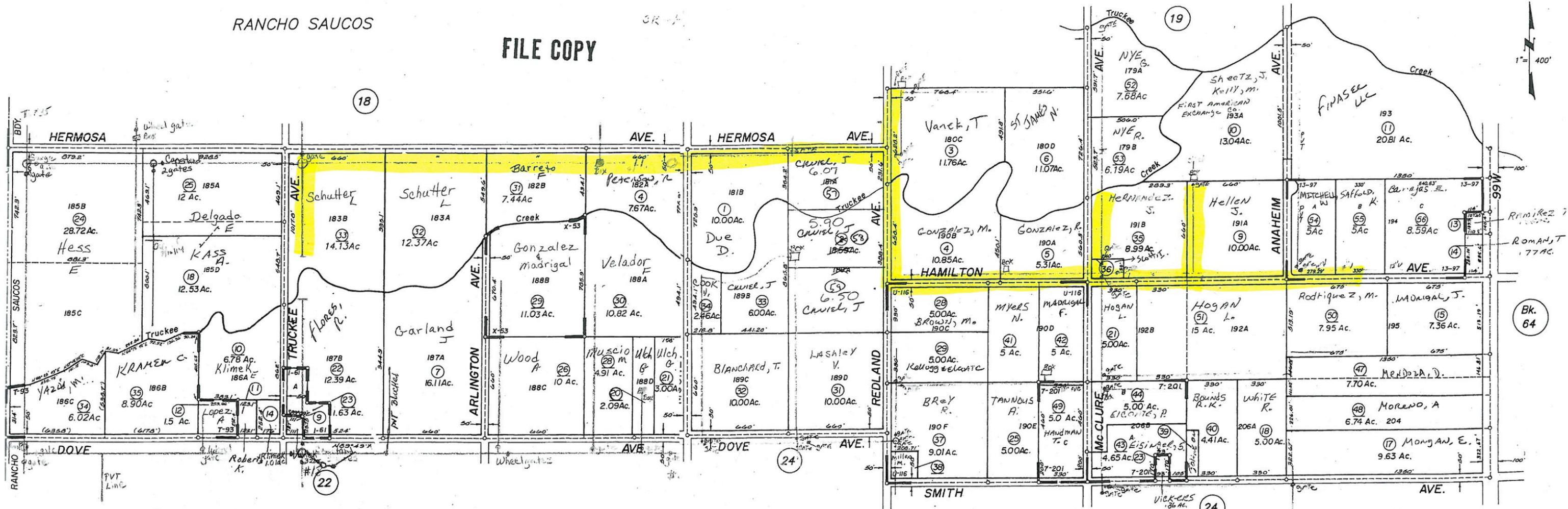
The project manager will be on site each day to observe and monitor the progress rate of the project which should be approximately 37.5 ft/hr or 300ft/day.

ENVIRONMENTAL COMPLIANCE AND PERMITS

Permits and CEQA obligations with the project will be dealt with upon award of grant. The time period between the award and the start of this project (18 months) will provide ample time to complete those tasks.

RANCHO SAUCOS

FILE COPY



F, Pg. 60—El Camino Rancho Subdivision No. 3, Amended
T, Pg. 93
X, Pg. 53
Pg. 61—P.M. No. 247

R.M. Bk. F, Pg. 60—El Camino Rancho Sub. No. 3, Amended
R.S. Bk. U, Pg. 116
P.M. Bk. 7, Pg. 201—P.M. No. 83-32
P.M. Bk. 13, Pg. 98—P.M. No. 03-31

— DISTRICT LINE P.V.C. 12"
— PRIVATE LINE
— DISTRICT LINE

Assessor's Map Bk. 63 -Pg. 21
County of Tehama, Calif.

NOTE—Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles

Assessor's Map E
County of Te

NOTE—Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles

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