

## UNWIS 1-4

### **Natomas Community Association (NCA) Meeting Recap June 27, 2007**

#### **Attendees**

- John Wong, SRCSD
- Bernie Galvin, SRCSD
- Matthew Crow, Parsons Brinckerhoff Construction Services
- Mike Garcia, Lucy & Company

There were 13 people in attendance at the June 27 NCA meeting.

John Wong, District Project Manager, explained the project and gave general background information. He explained that the UNWI program consists of nine sections. Wong stated that sections 5-8 are completed and that section 9 is starting construction in a few months and section 3 & 4 work is already underway.

Wong explained that UNWI 3 & 4 starts at Bridgecross Drive, goes up Natomas to Elkhorn Boulevard and ends at Cherry Lane. He clarified that the section consists of 10,000 feet of 34-inch pipe and 7,000 feet of 66-inch pipe.

Wong then clarified that UNWI 1 & 2 runs north and south to the New Natomas Pump Station and parallels the East Drainage Canal. He said it consists of 19,000 feet worth of 44-inch pipe.

Bernie Galvin, SRCSD CMO, explained the need for the Upper Northwest Interceptor due to capacity issues and the overflow risk that arises during significant storm events. She explained the connection to the Lower Northwest Interceptor that goes all the way down to the Wastewater Treatment Plant in Elk Grove (approximately 31 miles). Galvin also explained the pipe routes and deepness. She explained the recent project that tunneled under the river along West Sacramento.

**Question:** How deep under the river did you go?

**Answer:** 50 feet

**Comment:** It's amazing, when you think about it, that you guys were actually able to get a tunnel below the river.

**Matthew Crow, Construction Manager UNWI Sections 3 & 4, explained that the project is basically all tunneling underground, whereas other projects throughout the county have used open trenching.**

**John Wong explained that people will only see work at the surface where the manholes are.**

**Question:** Would that be the series of what appear to be pits along Elkhorn?

**Answer:** Yes. But there are comparably few pits along Elkhorn and Natomas Boulevard. In Citrus Heights, there are 41 shafts, up to 62 feet deep.

**Question:** How are you doing the tunneling?

Matthew Crow explained the tunneling method and tunnel boring machines.

**Question:** What is the life of these pipes?

**Answer:** Approximately 100 years. Back in London, I've seen pipes that are 150 years old.

**Question:** Can somebody walk along these pipes?

**Answer:** The general public is forbidden from accessing the pipes, and keep in mind they are underground and out of site. These are huge pipes, 12 feet in diameter in some places.

**Question:** What's the purpose of the manholes?

**Answer:** Maintenance. If a pipe breaks or there is a water leak or, for example, there is an earthquake and a pipe breaks, we will go in with a camera first and inspect the pipe for damage. We can then go in there and do the repair work.

Bernie Galvin explained the amount of wastewater treated at the Wastewater Treatment Plant. Matthew Crow stated that estimated build-out for the entire UNWI project is by 2050.

**Question:** How is the project funded?

**Answer:** When builders and developers plan to build their homes, they have to apply for permits. Among the permits are sewer permits, and the cost of these funds the construction of new infrastructure.