

## UNWI 9

### Citrus Heights Areas Seven & Eight (CHASE) Meeting Recap July 10, 2007

#### Attendees

- Steve Chavez, UNWI 9 Construction Manager
- Teame Haddis, SRCSD Assistant Civil Engineer
- Bernie Galvin, SRCSD CMO
- Mike Garcia, Lucy & Company

There were 22 people in attendance at the July 10 CHASE meeting.

Bernie Gavin, SRCSD CMO, explained the project and gave general background information. She explained that the project is broken up into three sections (Upper Northwest Interceptor 9 and Associated Northeast Area 1 & 2 Relief Projects, NEA 1 & NEA-2). She explained the project routes and major streets impacted.

Galvin clarified that the projects are a joint effort between Sacramento Regional County Sanitation District (SRCSD) and County Sanitation District 1 (CSD-1). She explained that SRCSD, the district responsible for providing wastewater conveyance, treatment and disposal, will own and operate the UNWI 9 interceptor. Galvin also explained that CSD-1 is the district responsible for the operation and maintenance of the smaller pipes and pump stations that collect local wastewater, and will own and operate NEA-1 and NEA-2.

Galvin explained that the wastewater treatment plant operated by SRCSD treats 160 million gallons of wastewater every day.

**Bernie Galvin, SRCSD:** There are two different size pipes on this project. There are 24-inch pipes and 36-inch pipes. Construction is starting later this month.

**Teame Haddis, SRCSD:** From Van Maren Lane to Fair Oaks Boulevard, we are laying the large 36-inch pipes. We are using approximately 15,000 feet of pipe. 5,000 feet will be open-cut and the remainder will be tunneling.

**Question:** So you're going to do this through the tunneling process?

**Answer:** Yes. The majority of this project will use the tunneling method.

**Question:** And the other option is open cut?

**Answer:** Yes. And the open-cut method will be used in a small portion of the project where the road is large enough to accommodate the construction.

**Question:** You are putting the pipe very deep to avoid a pump station?

**Answer:** Yes. We are tunneling as deep as 64 feet to avoid building a pump station. The open-cut method will be used from just beyond Van Maren Lane to just west of Sylvan Corners. We will be able to use the open-cut method in that area, because the road was wide enough.

Teame explained the differences between NEA-1 and NEA-2 and the length of pipe used for each project. He pointed out that NEA-1, which is overseen by CSD-1, will have approximately 15,000 feet of pipe.

**Question:** Is that tunneling too?

**Answer:** Yes. There is one area that will be open-cut at Hazel, but the majority will be tunneling – from Sylvan Oaks to the end of Robert Creek Court

**Teame Haddis, SRCSD:** UNWI 9 and NEA-2 are to be completed before the end of 2008.

**Bernie Galvin, SRCSD:** It will be about a year and a half of work. It will be very intense.

**Steve Chavez, SRCSD:** By October 2010 we will be completed with the project.

**A question was asked regarding the project hours.**

**Answer:** Construction hours are scheduled between 7 a.m. and 8 p.m. Monday through Friday, and between 8 a.m. and 8 p.m. on Saturday.

**Bernie Galvin spoke about the arrival of “Big Stan,” the largest tunnel boring machine to be used in this area. She explained that it works like a huge cork screw. When fully extended, she explained, “Big Stan” stands 93 feet tall.**

**Bernie Galvin, SRCSD:** The team needed a machine that tall to dig down to 64 feet.

**Steve Chavez, SRCSD:** “Big Stan” will be stored at the Wintergreen site. Right now, the contractor is still finalizing exactly when they are planning to bring in this big piece of equipment. We will have two staging areas for the project. “Big Stan” might come up Greenback to Auburn/Sylvan. It will be surrounded by concrete barriers known as k-rail and we will set up an island with a six-foot tall fence to protect it from the public. “Big Stan” will take about a week to set up. The contractor wants to start just east of Sylvan by August 1.

**Question:** By August 1 of this year?

**Answer:** Yes.

**Comment:** Wow!

**Bernie Galvin, SRCSD:** “Big Stan” will travel slowly – very slowly – up Auburn Boulevard and Old Auburn Road.

**Steve Chavez, SRCSD:** We don’t know what time yet, but we will try to make it at a time when there will be the least impact to traffic.

**Question:** At the corner of Wintergreen and Old Auburn, is that a staging area?

**Answer:** Yes it is.

**Question:** What is a staging area?

**Answer:** A staging area is where the contractor, project equipment and supplies will be set up. If you ever have any questions, come up and knock on the door.

**Question:** There will likely be a lot of dirt and a lot of large trucks carrying dirt, right? Where is there room for all of that? Where is the dirt going?

**Answer:** The dirt in that area – the Wintergreen staging area – will be very moist. It will pretty much be muck from the shaft to the Wintergreen site. We will backfill the site and fill it in.

**Question:** With thousands of feet of dirt being removed, where is it going?

**Answer:** We have been asking the contractor that same question at our weekly progress meetings. To be honest, they don't know yet; we need to find that out.

**Teame Haddis, SRCSD:** The project team has to get a permit for spoils disposal.

**Question:** Rocks too?

**Answer:** We don't get into rocks, but we are facing very dense soil. We will be getting into very deep, old soil. It's also very mucky and moist. We don't anticipate seeing a lot of groundwater, which is one of the reasons we went with the open-cut method in part of it.

**Question:** In the long term, what becomes of the staging area?

**Answer:** We have been asked to leave the staging area driveway pretty much intact. There have been different discussions about what it may eventually become. It's really up to the owner of the site.

**Comment:** So nobody knows what the City of Citrus Heights is planning to do?

**Answer:** There are a number of possibilities. It will all be up to the owner of the site. Across the street from the staging area is zoned for a park, I believe.

**Question:** How is it zoned now?

**Answer:** We don't know the ultimate zoning. We're just leasing the property during construction. There is an additional parcel owned by a private owner. There is a lady living there now.

**Question:** Why is the project needed?

**Answer:** It is needed because the sewer system at this time is maxed.

**Question:** Are you replacing the existing sewer line?

**Answer:** We are not replacing the existing line, but we are making some connections to it at Fair Oaks and Old Auburn, Sylvan and Fair Oaks, and the NEA-2 part at the end of Cripple Creek and we have two more locations along this alignment where we are making connections to the existing sewer line.

**Question:** So none of the existing sewer lines will have to be replaced then?

**Answer:** None will have to be replaced under this project.

**Question:** How long will the pipe last?

**Answer:** The pipe we are using is called a "Class 5" pipe and has an estimated life of 100 years, so we anticipate it will last 100 years or more.

**Question:** When will we see the construction activity start?

**Answer:** You can expect to see some construction activity on the streets toward the end of July, the beginning of August and September. We have a moratorium around the holidays. The city requires

that we not perform any construction work that may have impacts during the holiday season. We are not to risk impacting shoppers and people trying to travel during the holidays.

**Question:** Under the ground, will it get even soggy with water seeping in?

**Answer:** Rainfall shouldn't affect the area deep under the earth, but the contractor has to pump out the local water and prevent it from getting into drains and saturating the area.

**Question:** Will tunneling continue through the moratorium?

**Answer:** In areas where there is no traffic and no risk of impacts, we can continue to work through the moratorium. Along Fair Oaks and Cripple Creek, most of the alignment is off the roadway. The city has allowed construction in this area to occur through the moratorium because it is off the road.

**Bernie Galvin, SRCSD:** We are working with the San Juan Unified School District, RT, Paratransit, and the postal service to minimize impacts. In the newsletter there is a hotline number to call. You can call for traffic, noise and dust issues. You are our eyes and ears out there.

**Question:** Have you done other tunneling work like this before?

**Answer:** We just finished a huge project that went through West Sacramento. When the pipe was completed, it was left open for a tour, and people walked under the river. It was really a neat, once-in-a-lifetime experience for people.