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SUBJECT: Your Infrastructure Dollars At Work

Dear Customer,

This year brings exciting news from your sewer service provider, Goleta West Sanitary District: the realization of a long-awaited pipeline upgrade that improves both the wastewater system's infrastructure and enhances Goleta's natural environment.

The focus of this newsletter is our upcoming Mesa Road project during which we will replace and relocate our main pipeline, located near Mesa and Los Carneros roads. Read on to learn about the technological advances that will allow the pipeline relocation to happen quickly and with the least amount of disturbance, as well as the wetlands benefits that will be realized once the project is complete.

Due to the construction, there will be road closures and detours to access our office and parts of the UCSB campus over the summer. We've included a routing map in this newsletter, and will share construction updates on our website.

Like any community, the western Goleta Valley and Isla Vista are constantly changing, resulting in the need for the District to adapt the sewer system to best meet our current and future capacity needs. Discussion about maintaining our state and local infrastructure has been hot news lately. With ongoing budgetary challenges, an increasing backlog of road, building and park repairs is creating quite the stir in the Santa Barbara area. Here at Goleta West Sanitary District we are continuing our commitment to planning, funding and building to improve the District's infrastructure to best serve our community.

Sincerely,

*Mark Nation
General Manager/Superintendent*



Calendar

Earth Day Festival April 26-27

Held in Alameda Park, this event has been hosted by the Community Environmental Council for over 40 years. The 2014 festival will promote "Local Roots: bring the farm to your own table - learn about, taste and explore our local food movement, from the roots up."

6th National Prescription Drug Take-Back Day April 26

Prevent pill abuse and theft by ridding your home of potentially dangerous expired, unused, and unwanted prescription drugs, even vitamins. Goleta West Sanitary District strongly urges the public to not flush unwanted medicines down the sink or toilet! Let's work together to keep our water clean. For more information, go to www.lessismore.org.

Your Infrastructure Dollars At Work

Goleta West Sanitary District Newsletter

Spring 2014

GOLETA WEST
SANITARY DISTRICT

Board of Directors

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Vice-President

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Eva Turenchalk

Mesa Road Pipeline Replacement Project Begins This Summer

Western Goleta and Isla Vista's wastewater lines flow like tree branches from neighborhoods, commercial properties and through some of Goleta's most prized open spaces. Eventually, these all feed into one major "trunk" pipeline, beginning near the intersection of Los Carneros and Mesa roads. This main line adjacent to Mesa Road flows to the District headquarters pump station. The wastewater is then pumped to the regional treatment plant, east of the Santa Barbara Airport terminal.

In 2007, Goleta West completed a Wastewater Master Plan, which determined that the capacity of the "Mesa Trunk Sewer Line" should be increased to ensure that the system is sized to convey future peak wet weather flows. A plan was then put into motion to replace the old 33-inch line with a 42-inch pipeline and to relocate it out of the wetlands and into Mesa Road.

Construction begins this summer.

For years, the District has set aside funds for capital improvement projects like this one. The cost to replace the Mesa Trunk Sewer is estimated to be approximately \$9 million, and it will be paid entirely from our reserve funds.

Pipeline Relocation = Wetlands Benefit

Currently, the existing line is located just south of Mesa Road in the East Storke Wetlands, an environmentally sensitive habitat located next to the Goleta Slough Ecological Reserve. In the past, community groups such as the Goleta Slough Management Committee have encouraged the District to relocate the trunk line out of this environmentally sensitive area.

Agreeing, the District's Board of Directors made the decision to abandon the old line and relocate the new larger pipeline out of the wetland area and underneath existing Mesa Rd. This relocation will also provide for improved maintenance access to the facilities.

The Goleta Slough Management Committee has been consulted on this project. Founded in 1991, the Committee's purpose is to work cooperatively with regulatory agencies, property owners and public interest groups to provide for a healthy Goleta Slough, considering the Slough's ecosystem and recognizing a mixture of land uses.

Pat Saley, the facilitator of the Slough committee says: "The Goleta Slough Management Committee has supported relocating sewer lines out of wetlands since our inception over 20 years ago. We see this as a win-win project for two reasons. First, access and maintenance of the sewer lines will be much easier once they are relocated outside the wetland. Second, the habitat will also benefit by eliminating sewer line maintenance work in the wetland."

Using Modern Technology

Due to unstable soil conditions, a process called "microtunneling" will be used to install the new pipeline underneath the existing pavement of Mesa Road. The process is similar to installing a new sewer lateral from one's home to a system main via trenchless technology. Simply put, there are two excavation points - at the beginning and the end of the line. The microtunneling machine is placed in the launch shaft (see Figure 1); the machine bores a subterranean tunnel thru the soil. Pipe segments are then lowered into the shaft and installed into the newly bored tunnel. The process continues until reaching the retrieval shaft.

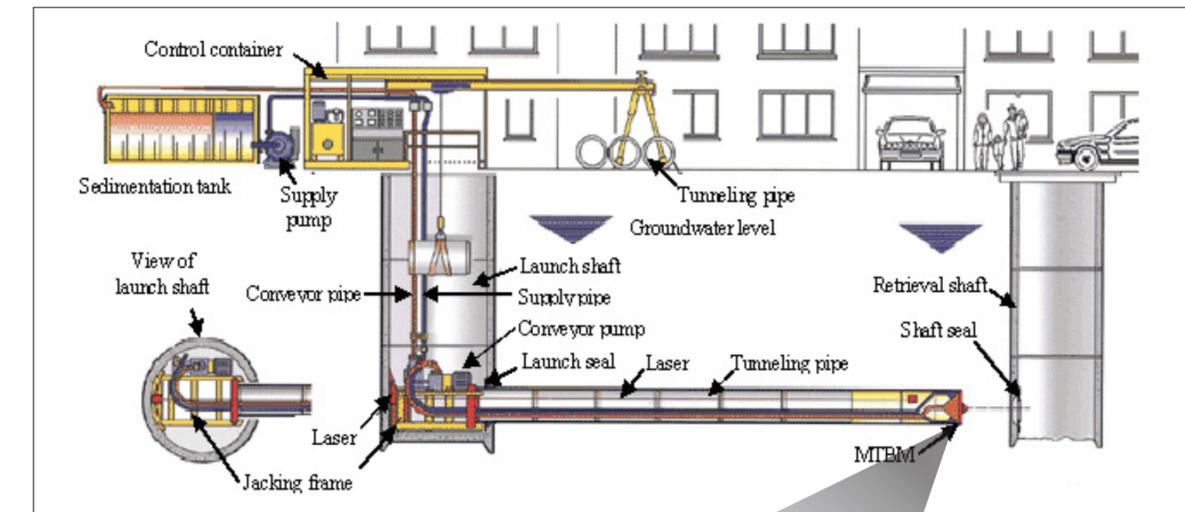


Figure 1. Schematic of a Typical Microtunneling Operation (Courtesy of Herrenknecht)

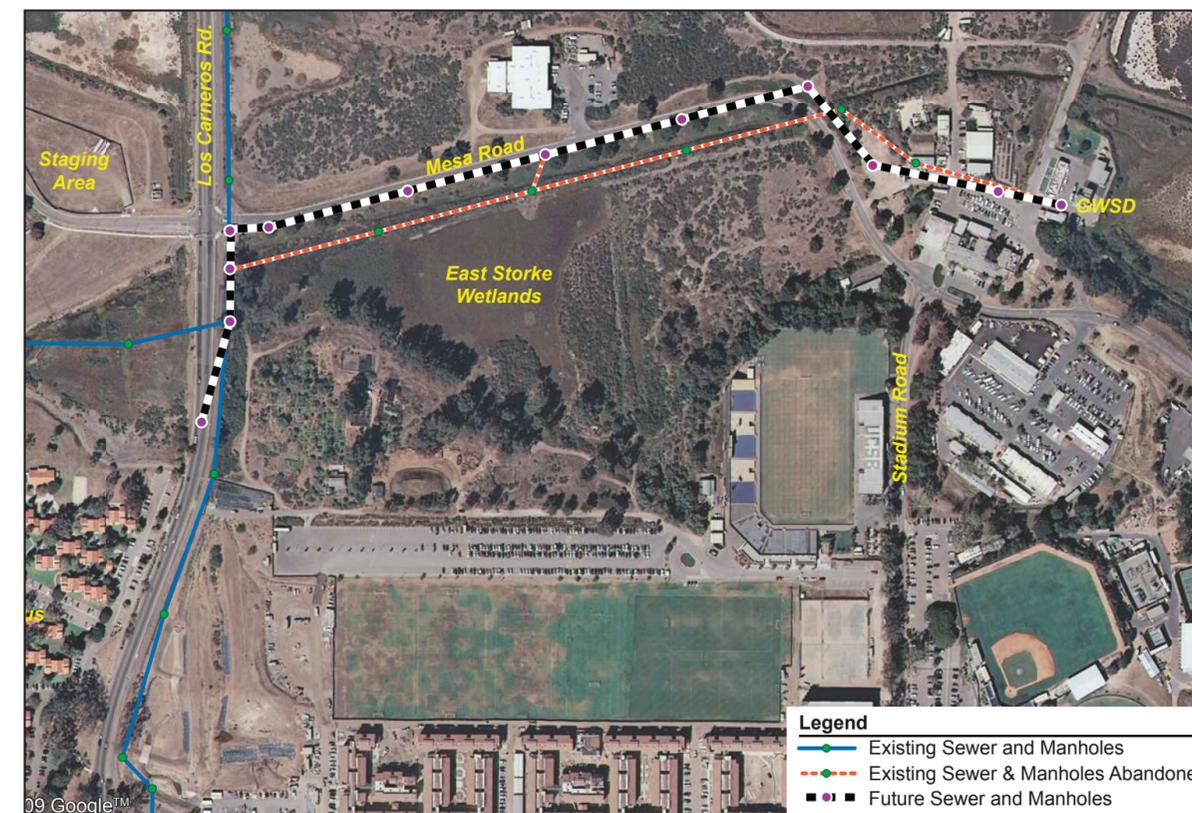
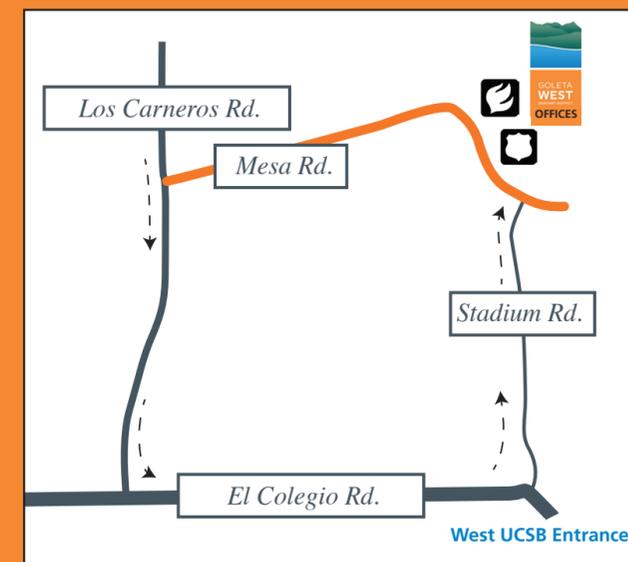


A cutterwheel excavates material at the face of the machine, as shown in Figure 2. A sophisticated laser system ensures that the tunneling operation continues at the correct angle.

Figure 2. Face of Microtunneling Machine (Courtesy of Akkerman)

Detour Around Construction

During construction Mesa Rd. will be closed this summer from Los Carneros Rd. to Stadium Rd. To access the UCSB campus police and fire stations, as well as Goleta West's offices, travel Los Carneros Rd. to El Colegio Rd. At UCSB's western entrance, turn left onto Stadium Rd.



Visit our Website!

www.GoletaWest.com

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