



Did you know...

...that it would take four (4) 12" sewer pipes to equal the capacity of one (1) 24" sewer pipe?

...that the Goleta West Sanitary District uses a computer software program as a means of managing its line maintenance and sewer line inspection program?

...that it is illegal to connect your rain gutters to the collection system?

...that buckets, balls, scooters, kites, pigs and porcupines are all names of devices used to clean or clear sewer lines?

...that the Cloaca Maxima was a sewer built in ancient Rome over 2,500 years ago? It was the oldest and largest sewer in Rome measuring 16 feet in diameter. Constructed of stone, it is still in use today!

Answers to Electricity Trivia (from page 2)

- ① **Conductor:** A material, like copper, which permits the flow of electrical current.
- ② **Current:** A movement or flow of electricity.
- ③ **Alternating Current:** An electric current that reverses its direction at regular intervals.
- ④ **Direct Current:** Electrical current flowing in one direction only.
- ⑤ **Electron:** A very small, negatively charged particle which is practically weightless.
- ⑥ **Circuit:** The complete path of an electric current.



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Isla Vista Re-Sewering Project

The Board of Directors of the Goleta West Sanitary District has embarked upon a fourteen year Master Plan to replace the sewer lines in Isla Vista at an estimated cost of 7 million dollars. You are probably asking yourself, why?

The District is currently experiencing a significant reduction in its average daily flow of wastewater due to the admirable water conservation efforts on the part of the community in response to the extended drought. An unusual number of sewer line blockages can occur since the current sewer lines were never designed for low flows. The District has also had to increase the frequency of its line maintenance

program to keep the contents in the sewer lines flowing properly. In addi-

tion, many of the sewer lines in Isla Vista are quite shallow which when coupled with a reduction in wastewater can also lead to blockages.

The District recognizes that it must upgrade its collection system to accommodate the increase in solids in the wastewater and to reduce costly sewer line maintenance.

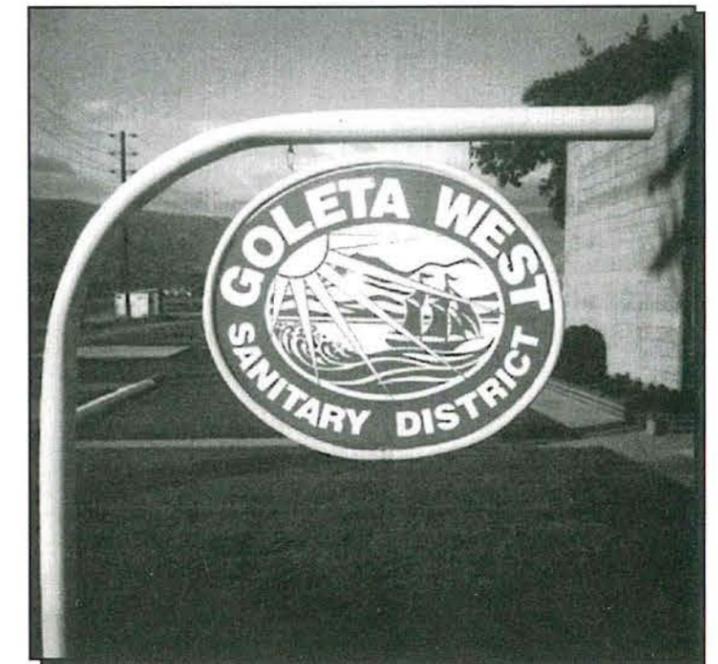
The Master Plan was filed with the County of Santa Barbara during February 1991. Construction has tentatively been scheduled to begin during the summer of 1992 when schools are closed and will continue each summer until the project is completed.

The new lines will be laid deeper and at an improved slope. There has

not been a definite decision as to the material type for the sewer pipe. The first phase of construction will include replacing sewer line from Mesa Road parallel to Los Carneros to El Colegio, then down the center of El Colegio from Camino Corto to Embarcadero del Mar.

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On January 16, 1990 the Board of Directors voted to change the name of the Isla Vista Sanitary District to the *Goleta West Sanitary District*.



Tree Cutting Leaves District in Limbo

Back in the early sixties the Goleta West Sanitary District (known then as the Isla Vista Sanitary District), installed a 15 inch clay trunk line that ran through an area commonly referred to today as Ellwood Shores. This particular trunk line services over 2,000 families in both the west and northwest area of the District. At the time the sewer line was laid there were no trees in the immediate area.

As the years passed the District failed to maintain this area and allowed a grove of eucalyptus trees to grow over the sewer line. The drought of the last five years has caused the roots of these trees to penetrate the sewer line in a desperate search for water. This root intrusion combined with conservation efforts and the installation of low-flow toilets has created the need for regular sewer line cleaning to maintain flow and avoid clogs. Addition-

ally, on October 3, 1990 the District weathered a major sewage spill of approximately 15,000 gallons in a nearby area.

In order for the District to adequately clean the sewer in Ellwood Shores it was necessary to clear the District easement of trees so that the Hydro-Jet Rodder cleaning machine could have ready access to the manhole in that area. The District obtained a permit from the State Department of Fish and Game prior to the tree cutting with the understanding that no additional permits were required.

The tree cutting proceeded as scheduled; however, it was met with angry protests from area residents particularly those of the "Save Ellwood Shores" organization. These people contacted the County of Santa Barbara who in turn placed a Notice and Warning of Violation

on the project. Since that time the District has spent in excess of \$50,000 on permit and permitting requirements. It is anticipated that the cost could reach as high as \$100,000.

The Goleta West Sanitary District, in an attempt to do its job for the health, safety and well being of the community, has instead been faced with unrealistic demands and restrictions which if not

rectified could mean the eviction of people from their homes should a major sewage spill occur. The District realizes that it was remiss in not communicating with area residents on its plans to cut down the trees and will make every effort in the future to maintain an open line of communication. It is our hope that residents will work with the District in an effort to best serve the needs of their community. 🗑️

Electricity
TRIVIA!

Electricity is a very common and valuable source of energy used in the operation and maintenance of a wastewater collection system. See how well you can identify some of the terms associated with electricity.

- ❶ Conductor
- ❷ Current
- ❸ Alternating Current
- ❹ Direct Current
- ❺ Electron
- ❻ Circuit

(Answers are on page 4)



Easement Clearing Project

Have you ever thought about what happens to the wastewater in your home after it goes down the drain? Not many people do. It is taken for granted that the water will disappear somewhere and not come back! Where does it all go?

After leaving your property, the wastewater is conveyed through a system of sewer lines, generally laid in the street, to a pumping facility that sends it all to a treatment plant for treatment and discharge to the ocean. This article will focus on the sewer lines within the District that are not located in the street.

For easier access and maintenance, sewer lines are laid in public streets whenever possible. But at times it is necessary to lay the lines in between homes and through unimproved properties. Since the District does not own the property the lines must run through, legal documents called Deeds of Easement are obtained from property owners. These deeds give the sanitary district the right to lay the sewer line and maintain it in perpetuity thus creating an easement for sanitary sewers.

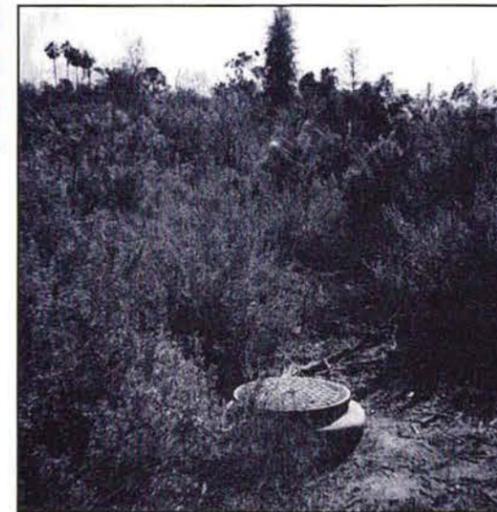
The Goleta West Sanitary District has ap-

proximately eleven miles of lines that run through easements. These lines are called "off-tracts." The majority of the off-tracts are over twelve inches in diameter and carry a large portion of the wastewater collected throughout the District. If one of these lines were to become blocked, a dramatic sewage spill could occur.

In an effort to prevent spills, the District has embarked on an active easement clearing project. Many of the off-tracts have not had proper maintenance. As a result an abundance of growth has covered the

lines. Thirsty roots from the trees and shrubs affected by the drought have broken into joints in the pipes and, in some instances, have created blockages. Line maintenance has been extremely difficult due to the growth covering the easements. District maintenance vehicles have been unable to obtain access to the manholes that service these lines. The goal of the easement clearing project is to obtain access to each of the District's manholes through legal easements. By doing so, the District can better maintain the off-tract sewer lines and prevent blockages. 🗑️

Easement Before Clearing ▶



Easement After Clearing ▶

