

## Ocean Trails

Continued from page 1

-ers are now faced with the task of reconstructing the damage.

"It has always been complicated with this project," said developer Ken Zuckerman, who has spent 15 years trying to turn the Ocean Trails concept into a reality. "This is nothing new, and everyone knows how to accomplish what must be done."

Zuckerman knew about the ancient landslide prior to construction and took the following measures to ensure that golf course irrigation would not effect the stability of the land.

"We put down a three-foot layer of impermeable clay and six inches of sand and then a herringbone drainage system," said Zuckerman. "That fed into a sump pump, which pumped the water to an irrigation lake on the course." Unfortunately, the leaking sewer line was buried beneath the clay cap.

Dye, who was on his way to Ocean Trails the day of the slide to give the course his final stamp of approval, has already examined the damage.

"When I got there the next day it looked like the shoreline had been there for a million years, you could see the fairway, the bunkers and the green," said Dye. "I have been around for 73 years and I have never seen anything like it."

There are a couple of repair options available to the developers, according to Dye. "They can put the hole back where it was without a great deal of fight, or you could leave it out there," said Dye. "All you really have to do is clean out the valley, grass

### CLARIFICATIONS

Recently, it has been reported in many golf course and grounds maintenance media that the manufacturing and marketing of the Cushman range of turf utility vehicles is now being handled by E-Z-GO Textron, a subsidiary company of the Textron Golf, Turf Care and Specialty Products Group. Please note that this integration of operations only affects the Cushman line of industrial vehicles — products that are sold to warehouses, manufacturing facilities, shipping and rail yards, etc. — NOT the vehicles sold to the turf maintenance industry. Sales and marketing of Cushman vehicles, such as the Turf-Truckster, Jr. Turf-Truckster, Hawk and White Truck, will continue to be the responsibility of Textron Turf Care and Specialty Products.

The autonomous mower story which ran on the front of the June issue should have been datelined Gainesville, the site of Ironwood Golf Course.

the thing and fix what has been broken out of 18."

With Dye's thoughts in hand, Zuckerman is now working with his civil, soil and geological engineers to work over the options. "Once Pete and the engineers are clear, we will have to take our plans to the city and the California Coastal Commission," said Zuckerman. "After everyone buys off on the concept, we will draw up

the final improvement plans."

Whatever is decided, the ground will have to be stabilized. Although preliminary reports from geologists suggest that major earth movements are unlikely to happen again along the ancient landslide and the leaking sewer line has been repaired, Zuckerman plans to proceed with great caution.

"We will remove the material

that fell into the graben [ravine] and excavate to a stable level and pin everything into position and build back up on top of that," said Zuckerman. "But there will be at least 15 to 20 percent shrinkage, so the level of the hole is going to go down about nine feet." Zuckerman maintains that the routing of the course will not change.

Zuckerman has decided

against a partial opening of the club and plans to allow the city to run a golf clinic on the course while the reconstruction work progresses.

"We would like to get the work done by the end of the year," said Zuckerman. Once an agreement is reached with city and environmental officials, Zuckerman expects the work to take three to four months.

# How

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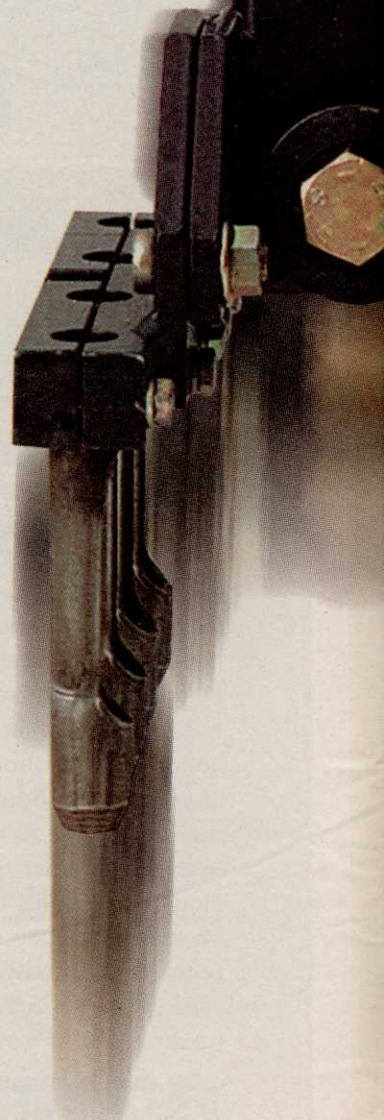


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