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Course will be first in state to use reclaimed water

WHIDBEY ISLAND, Wash.-The Homes Harbor Golf Course has become the first golf course in the state of Washington to build a water reclamation treatment plant that will be used for irrigating the course. The plant was completed in July at a cost of \$3.4 million. The project is owned by The Homes Harbor Associates Limited Partnership which has Jack Sikma, President of Sikma Enterprises, as General Partner.

"We needed to build the plant because of the housing needs around the golf course. There are 35 existing homes near the course. When the project is totally built out there could be 565 homes, Sikma said. "To do the

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40-year-old course updates system

PARADISE VALLEY, Ariz.-The Paradise Valley Country Club has completed the installation of a new Toro Network 8000 irrigation system at the property. This will be the first time the irrigation system has been changed at the property since it opened in 1953.

The property was using a modified Rain Bird system. "We felt the

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Muni course selects irrigation system

LONGMONT, Colo.-The city of Longmont, Colo. has selected an Toro LTC irrigation system to be used for the new municipal course that started construction in August. The course has no official name. It's currently being called Spring Valley. The municipality is hoping that the course will be ready for play by June '96.

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Preparations take aim at drought years

By JON PETERSON
LOS ANGELES, Calif.-The Hillcrest Country Club hopes that a new 700,000 gallon water storage tank and related pump station will cut down on their water bill by 50%.

"Typically our water bill is \$200,000 for a whole year. We feel that once the water storage tank project is completed, our bill would go down by 50%," said Dave Mastroleo golf course superintendent at Hillcrest.

The exact savings is hard to determine as the course's electricity costs will go up because of the new pump station. A true indication will not be

Reducing waste water

Course takes aim at lake leak

DODGE CITY, Kansas-The Dodge City Country Club turned to its members and a lake liner to correct a leak in the irrigation lake that was literally draining profits from the club.

The course was losing 65,000 gallons of water a day which would amount to a loss of 30 acre feet over a six month period. "We decided the situation could go on no longer" said

Course cuts costs with new pump

GRAFORD, Texas-The Cliffs Golf Course hopes to cut expenses and reduce labor with its new PTR Systems pump station that was recently installed at the course.

"We are hoping that the new pump station can cut our maintenance expenses from \$60,000 a year down to \$30,000 annually or less," said John Snyder golf course superintendent at the semi-private golf course. There have been no problems since the pump was installed in mid June.

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available until after the first 12 months of the plant being up and operating. In the past the course had received all of its water from the city to irrigate the property.

"In the future we don't want to be solely dependent on the city for our water needs. Our water bill goes way up when the city is in a drought situation like there was a couple of years ago," he said.

The cost of the water storage tank will be in excess of \$500,000. This project is being 100% funded by the members of the private course. The 575 golf members had considered creating a manmade lake for their water

John Oldham golf course superintendent at the property.

Members at the private club decided to buy 95,000 s.f. of PVC lining from Colorado Lining of Parker, Colo., to repair the 1.5 acre irrigation lake. The course was able to cut down the cost of the project by having all members volunteer their labor and equipment to complete the project.

"The project cost the club \$27,000. We figured that if we had sent the project out to bid in the market place it

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Versatile system makes a difference

HENDERSON, Nev.-The new 18-hole golf course being built at McDonald Ranch contracted for a Rain Bird Maxi V irrigation system. Greg Nash, president of Casper/Nash & Associates, designed the course and selected the irrigation system.

"We selected the Maxi V because it gives the developer a wide range of

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needs but voted against it because they didn't want to disrupt the character of the course. They also didn't want any of the algae problems that can occur with a manmade lake at a golf course.

Construction on the water plant and pumping station got started in September and should be completed by the end of December '95. The general contractor on the project is Kathi Williams, project manager for American Landscape of Canoga Park, Calif.

Course installs new water saving product

MURRELLS INLET, S.C.-The Wachesaw Plantation has become the first golf course to try out the Rain Trap System, a system in which old tires are literally buried in the ground to catch water runoff and maximize water use. The system was designed and built by Tire Farms of Santa Rosa, Calif. Wachesaw is using the product as a test in a 60 s.f. x 60 s.f. sight near the driving range.

The system uses tires that are cut in half and placed underground to catch the water as it goes into the ground. The tires are placed side by side and then stacked to maximize the area covered.

"We wanted to see how the prod-

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Course eliminates pond problem

FAYETTEVILLE, Ark.-Paradise Valley Golf and Country Club successfully cleaned up a pond and pleased its neighbors at the private golf course with the use of four 2 Hp Toro Surface Aspirating Aerators.

The aerators, supplied by

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Reclaimed water... -continued from page T1 /9

additional housing we needed a water plant. We really didn't have a choice." The plant will also be used to irrigate the public golf course.

The design and construction on the water plant was overseen by Dan Clark president of Adams & Clark in Spokane, Wash. "The plant will be able to treat 100,000 gallons of water a day," Clark said.

In the summertime the water will be used for the housing and to irrigate the golf course. The portion that will be used on the golf course will be put in storage ponds during the winter months.

The Washington State Department of Health was represented in the project by George Schlender, Re-Use project manager.

"This was a pilot project for our department but we have several more of them in the works," he said. This includes two golf courses proposed to be built for the city of Yelm, Wash. a proposed golf course/hotel/resort called Park Junction at Mount Rainier in Mount Rainier, Wash., and an existing golf course called Semiahmoo for the city of Baline, Wash. A decision on these projects could be made later this year or in early '96.

Water saver... -continued from page T1 /9

uct would work before we took the risk of putting it in at a major part of the golf course," said Tom Cecala, development coordinator for the Plantation. "It looks good so far but then we haven't faced any heavy weather or any heavy traffic from players," he said.

"We would like to see the prod-

uct save us some money in the long run in the amount of water we use to irrigate the course," he said.

The plan is for the first course at Wachesaw to be ready for play by September '96. If the portion on the driving range works out the plan is to use the product on the second golf course at the Plantation.

Lake leak... -continued from page T1 /9

would have cost us \$70,000 to \$75,000," Oldham said.

The PVC lining was installed last March and the course has been pleased with the results, "Our members are happy with the results of the project,"

Oldham said.

Since the installation took place there has been no problems. The maintenance staff has been able to fill the lake to its eight foot capacity and keep it at that level without any difficulty.

Course cuts cost... -continued from page T1 /9

The previous pump station had to send the water up and down a hill before it reached the golf course. The new system will only go up the hill once and then go directly to the course.

Another problem with the old sys-

tem was that it had some motors that were not always running effectively so a lot of energy was wasted. All of the motors in the PTR system have been running with no hitches since it was put in.

Versatile system... -continued from page T1 /9

options for watering the property," said Nash. "The system can be designed to put different amounts of water on different parts of the golf course and it works well around bunkers and hilly areas. The owner can also set up their lighting and security systems through the Maxi V system," Nash said.

The total cost of the irrigation system going in at the course is \$1.2

million. The public course is under construction now and should be ready for play prior to year end.

The irrigation design work was done by Mike Britt, president of Golf-Tech of Tucson, Ariz. The distributor of the system was Larry Kennedy president of Turf Equipment & Supply in Las Vegas.



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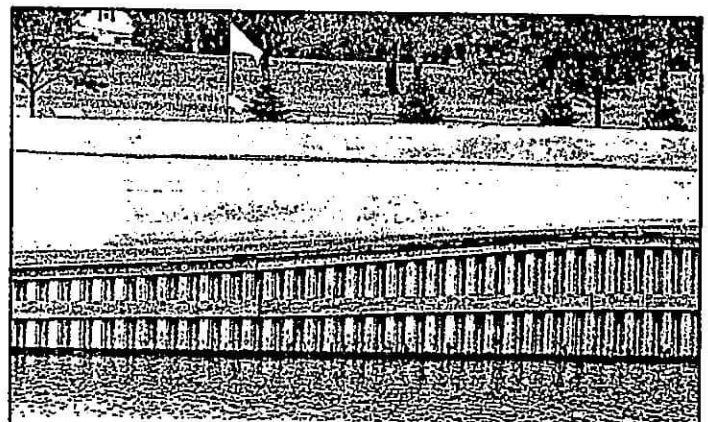
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