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INSIDE

Sophisticated Irrigation

Fertigation, filtration, acid injection and GPS technology take irrigation into the future 9, 21-23

Something Old, Something New

Renovations and restorations of older and classic courses complement new construction 25

New Turfgrass America eyes national market

By A. OVERBECK

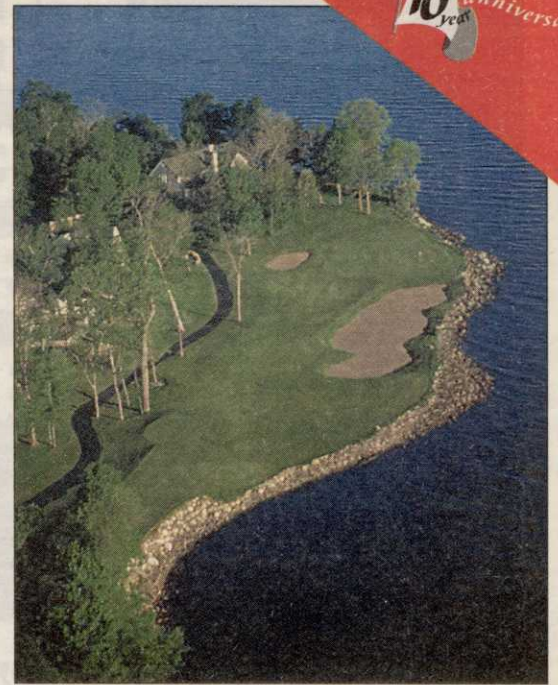
GRANBURY, Texas — In a move to expand beyond their regional reach, three Texas turf companies and a Florida grower have formed an alliance creating a new full-service firm here. The new entity, Turfgrass America, combines Thomas Brothers Grass, Crenshaw and

Doguet Turf and Milberger Turf Farms with Apollo, Fla.-based Elsberry Greenhouses.

While the merger was completed May 14, Milberger and Thomas Brothers have been considering the move for a year and a half.

"As we all looked at the

Continued on page 7



A SHORE BET

Black Brook, which has opened along with its sister track, The Sanctuary Course, is nestled along the shores of Mille Lacs Lake in Minnesota. The courses are designed by John Harbottle in collaboration with 1993 U.S. Amateur champion John Harris and owner Chip Glaser. The Sanctuary Course is geared toward the average player, with shorter yardage than its counterpart Black Brook. Harbottle feels the courses should be "instant classics." See story, page 30.



A ROSSIAN TASK MADE EASIER

Poland Spring Golf Club superintendent Dick Fahey, left, and mechanic Ben Perreault hold an original Donald Ross rendering, from 1913, that has aided a bunker restoration at the Maine resort. See story page 25.

Z-Net may revolutionize slow-growing grasses

LITTLE ROCK, Ark. — Tannenbaum Golf Course on Greers Ferry Lake near Heber Springs may have written its name into golf course history when it opened for public play in June. No scoring records were broken. The big story was a process that doubles the speed of growth for zoysiagrass, an excellent turf many superintendents have not used because of its notorious slow growth.

Z-Net, a new patented growing method developed in Japan and brought to America by Winrock



A crew lays down a roll of Z-Net with zoysiagrass implanted in it.

Grass Farm, Inc. here, was used on the fairways and roughs at Tannenbaum for

the first time in America. The new technology produces complete grow-in

during just one growing season — about twice as fast as standard sprigs or plugs, according to Winrock President Frank Whitbeck.

"Z-NET worked beautifully," said Tannenbaum course superintendent Scott White. "We grew in our zoysiagrass fairways and roughs in a little bit longer than the four to six months they predicted. But last summer was a hot summer and it was hard to get anything to grow. Right now it's 90 to 95 percent

Continued on page 31

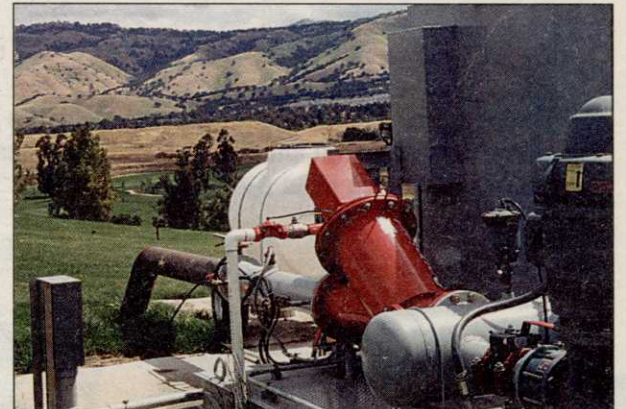
Fertigation, filtration systems said growing in popularity

By PETER BLAIS

Demands for improved playing conditions have led many courses to install fertigation, acid-injection and filtration systems as part of their pumping stations.

Tanks, tubing and controllers for both fertigation and acid-injection systems (which improve water quality) can be rigged up to a pump station at a cost ranging from \$7,000 to \$15,000, a dramatic reduction from the \$20,000 to \$30,000 price tag common just a few years ago, said

Continued on page 22



The red attachment filters water to this pump station.

Country club fertility on a public's budget

By DAVID WILBER

The subject of turfgrass fertility is an ever-changing and often complicated road of twists and turns. But by being aware of several essential areas, turfgrass managers at public, resort and daily-fee golf operations can untangle the knots that might otherwise keep them from having

the best possible fertilizer program.

There is a myth that only the private club is spending enough money to do the fertility management job correctly. From the standpoint of many golf facilities, public and private, fertility management and fertilizer purchasing is often a guessing

Continued on page 18