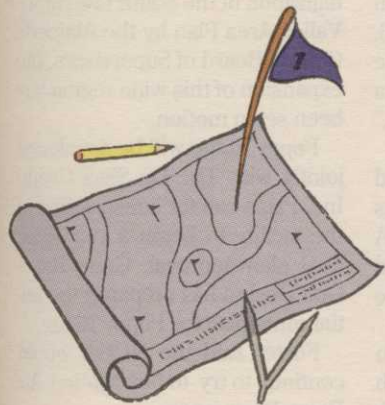


BRIEFS

**INDUSTRIAL PARK PROTOTYPE PROCEEDS**

PEACHTREE CITY, Ga. — Several industrial parks built within golf courses are planned by Peachtree City Development Corp. PCDC is building its prototype, an upscale business park for high-tech companies in this community 30 miles south of Atlanta. The 125-acre Southpark International will be ringed by the first nine holes of the new Planterra Ridge Golf Course. Business sites from two to 35 acres will have frontage on the course. A country club, including swimming pool, tennis courts and restaurant, also will be located within Southpark. Southpark is designed for light manufacturing and research and development companies and distribution facilities.

REC DEVELOPMENT EXPANDS

NORCROSS, Ga. — Recreational Development Consultants Ltd. of Easton, Md., has opened a new office here. Recreational Development's Bob Rauch, who designed Tour 18 in Houston, has hired Richard Mandell to man the Georgia office. A golf course architect, Mandell worked with Dan Maples in 1990 and 1991 and for Denis Griffiths in 1992. A Rye, N.Y., native, Mandell earned a bachelor's degree in landscape architecture from the University of Georgia in 1990. The new office is located at 1405 Tree Corners Parkway.

OAK GROVE ISLAND CLUB PROGRESSES

Golf course construction is underway at the Oak Grove Island Club in Brunswick, Ga. Designed by Mike Young Designs of Watkinsville, Ga., the new 18-hole, par-72 layout is expected to open in September. Upon completion, the 7000-yard, daily-fee course will offer golfers outstanding views of the marsh areas surrounding the site. The course is being built in conjunction with a 500-acre development that will feature single-family homes.

NO MORE MONTHLY COURSE LISTS

Golf Course News will no longer publish its monthly list of newly planned and newly approved golf courses in the United States. Those lists — which have been run in *GCN* for four years — are a centerpiece of the publication's new *Golf Course News Development Letter*, which began in January. The bi-weekly newsletter is available for a \$195-per-year subscription. The course lists will be run in the newspaper on occasion.

Test green? Schreiner's gone 17 better

By MARK LESLIE

For a meager \$15,000 the Clay County Parks Department has ensured it can monitor and, if necessary, treat water exiting the greens on its new golf course in Smithville, Mo.

"This will be included in every course I design," said Outlaw Golf Course architect Craig Schreiner of Kansas City. "I think you will see a trend start here."

The Outlaw, which will be grassed this spring, could be the supreme test, sitting on the edge of the 7,000-acre Smithville Reservoir, which provides the domestic water for Kansas City and northern suburbs.

Part and parcel of Schreiner's design is

an infrastructure to collect leachate from the greens. Collection mains beneath the greens route leachate through a four-inch drain tile and into the top of the 48-cubic-foot collection basins — simply prefabricated manholes. Leachate will flow into the basins, then through reactivated Grade C carbon before flowing through an exit pipe out into the reservoir. The manufacturer of the carbon will pick it up and reprocess it once it has reached its capacity — "probably no more than every five years," Schreiner said.

"We hope to prove that water exiting through the greens and draining into the local streams and lakes is cleaner than the irrigation water we use," Schreiner said.

"I'm convinced the sand and turfgrass do an incredible amount of cleansing, tying up much more of the chemicals than people perceive. And the carbon should be able to clean any nitrates and potash that do work through. Phosphorus will have to be cleaned with alum, if the concentration is high enough."

Schreiner bases his beliefs on studies done by Dr. Thomas Watschke at Penn State, Dr. Richard Cooper at the University of Massachusetts and others, as well as two years of similar tests performed on a green at Baker National Golf Course in Medina, Minn.

At Baker National — a course designed

Continued on page 40

Palmer track a lesson in history

SPRING ISLAND, S.C. — Archaeological as well as wetlands preservation played a key role in a new Arnold Palmer- and Ed Seay-designed golf course here — Old Tabby Golf Links.

On the east side of the 3,000-acre island, just beyond the 18th fairway, lie the tabby ruins of the Edwards Plantation Mansion.

Thus the name Old Tabby, and the high interest of the South Carolina Institute of Archives and History, which worked with Palmer Course Design Co., engineers and Spring Island Development Co.

The late-18th century ruins are from a cotton plantation — some of whose structures were constructed

of "tabby," a mortar consisting of shells, clays and other natural materials on the island.

The Edwards Mansion adjoins the 9th and 18th holes.

Keeping the theme, tabby retaining walls were built throughout the course, including one that encircles the island green of the 370-yard 15th hole.



Old Tabby Golf Links' 17th hole is flanked by a lagoon to the left, marshland to the right and the Chechessee River behind the green. The 197-yard gem — part of a development on Spring Island, S.C. — was designed by Arnold Palmer and Ed Seay.

Photo courtesy of Palmer Course Design Co.

Also throughout the property are ponds fed by freshwater springs, marshes, rivers and creeks. One-third of the island is being set aside as a nature preserve.

The end result is one that makes Palmer and Seay exuberant about the quality of course they have designed for the Ridgeland development firm.

Fairways wind through old hunting fields, past golden marsh and along a forest of 300-year-old oaks.

A 500-home development is planned for the island, with amenities including bridle paths, trap an skeet shooting and boating facilities.

The course is expected to open April 19.

Former Soviet Union explores new frontier: Tourism

By MARK LESLIE

POC'ET, Far East Territory, Russia — American and Russian developers expect to build a major destination resort, The Peninsula, boasting six to eight golf courses on a peninsula south of Vladivostok on the Sea of Japan.

The American firm Golf Management International (GMI) is forming the joint venture with Dalso, a government consortium appointed to develop the 8,000-acre piece of land which sits on the seven by 2-1/2-mile peninsula.

American golf course architects Jack Snyder and Forrest Richardson of Phoenix, Arizona, will design several of the courses and Frank Lloyd Wright understudy Vernon Swaback of Scottsdale, Arizona, is the land planner.

"The Far East will become the gateway to Russia. And they want

Joint venture would create multi-course vacation spot south of Vladivostok



to make this their creme-de-la-creme destination resort," GMI Vice President Turner Reaney said from his Arizona Biltmore Country Club headquarters in Phoenix, Arizona, U.S.A.

The Peninsula will be built with Western technology but a Russian flair, said Richardson.

A small airport will be built on land near the peninsula — just a one-hour flight from Tokyo and two hours from Korea, Reaney said. He added that Alaska Airlines expects to begin twice-weekly service to Vladivostok in June. Aeroflot is the only other airline with flights to the airport now, but developers hope Japan Air Lines and Korea Air enter the marketplace later.

"It's an amazing project,"

Continued on page 28

All 18 are test greens at Outlaw

Continued from page 27

by Michael Hurdzan on which Schreiner was project architect — tests proved hopeful for the golf industry.

"In general, we found that while the concentrations of some of the contaminants were fairly high — and that being primarily the nutrients, nitrogen and phosphorus — the volume was almost insignificant," said John Barten, Hennepin Parks District water quality manager. "Only about 5 percent of the rainfall made it through the green."

Primarily, then, the water stayed in the turfgrass and root zone, or ran off the green. Studies by Watschke and Cooper report only traces of chemicals, far below danger levels, running off turfgrass.

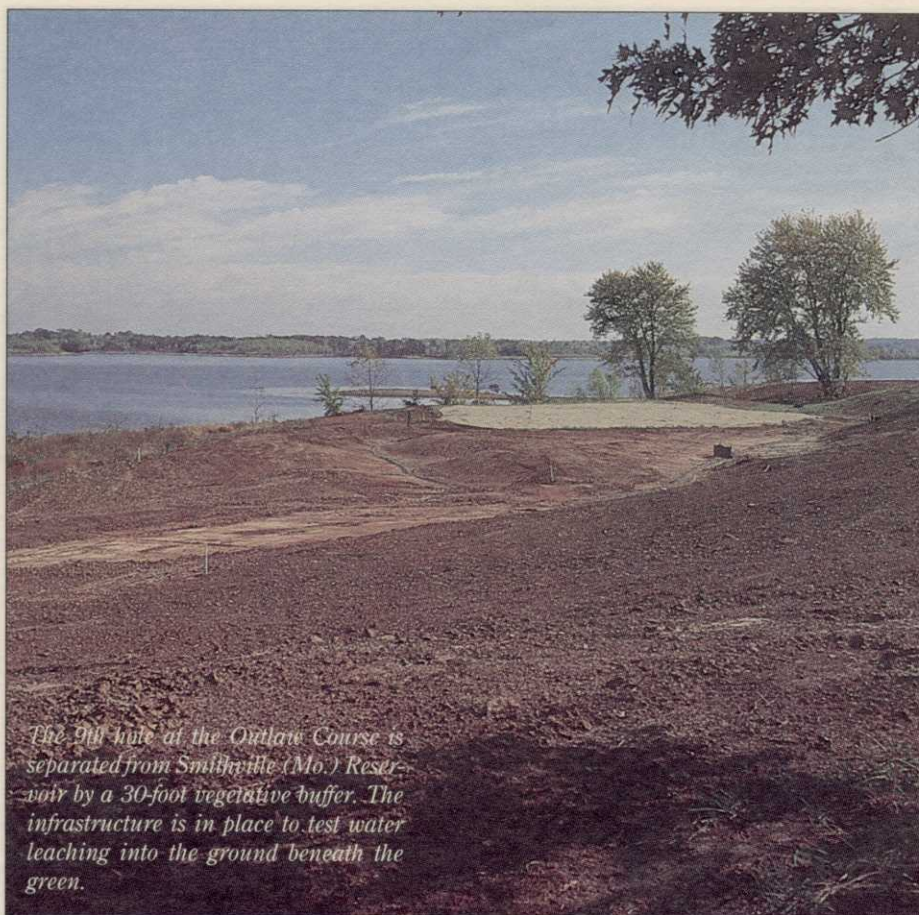
Before building the Outlaw, Schreiner sold his idea to the U.S. Army Corps of Engineers, which owns the reservoir, and the Clay County Parks Department, which is leasing the land for the golf course from the Corps.

"We already know what's coming through these brand-new greens and it's insignificant," Schreiner said, referring to the findings at Baker National which opened in 1990. "We're not hiding anything. We've got data that shows that insignificant nitrates and some phosphorus comes through these greens when they're first being established.

"From there, we don't really know. But, should we encounter any problems, we feel we have a system to deal with the leachates that come out... As the greens get older or mature, or if you have an application of a very hot chemical followed by a heavy rain that causes it to leach out faster than normal, you have an infrastructure in place."

While he is taking the initiative as a golf course architect, Schreiner said the Park Board also "loves that image."

"What I hope to have is the first 18-hole public course in this part of the country — if not anywhere else — that's got an



The 9th hole at the Outlaw Course is separated from Smithville (Mo.) Reservoir by a 30-foot vegetative buffer. The infrastructure is in place to test water leaching into the ground beneath the green.

infrastructure set up and ready to go," he said.

FINANCIAL SUPPORT

Schreiner's next sales pitch will be to the Missouri Department of Conservation, area universities and a superintendents group to fund the testing at the Outlaw.

"This is the perfect study for master's degree-level students," he said. "We have brand-new greens. Nothing's been dumped on them. We've got them set up to be monitored. They're on a beautiful reservoir, built by the Corps of Engineers, and the course is built by the Clay County Parks Department."

Schreiner estimated the monitoring cost to be around \$10,000 a year. "That gets a half-dozen quality samples done," he said.



Basins like this have been installed at each hole at the Outlaw Course. Note the inflow hole at the top of the basin and outflow hole on the bottom of the other side. This allows a gravity flow over filtration material before the water leaves the site.

Morrish, Weiskopf opening Broken Top and Buffalo Creek

BEND, Ore. — The opening of the private 18-hole Broken Top course, in the shadows of the snow-capped Cascade range, is scheduled to take place Independence Day. The ceremonies will include a playing tour by Tom Weiskopf, who designed the course with partner Jay Morrish.

The course is the centerpiece of a new 2,000-acre community. Broken Top neighbors the massive Deschutes National Forest with spectacular views of the Three Sisters Mountains, Mt. Bachelor, and Broken Top Mountain, the dormant volcano after which the course and community were named.

In designing the Broken Top course, Weiskopf/Morrish showcased the varied terrain and scenery of the Central Oregon landscape. Integrating huge rock outcroppings, swales and forested lands, the 7,200-yard, par-72 course tests skill and strength, and promises the Northwest's premier golf experience in terms of beauty, course design and construction quality.

Meanwhile, Buffalo Creek Golf Club, a public-access layout in Rockwall, Texas, designed by Weiskopf and Morrish, will hold its official grand opening April 20.

The design, according to general manager Joe Cotter, produced "the highest quality championship course conceivable, and was developed to challenge the very best golfers while providing an enjoyable golfing experience for the average player."

Buffalo Creek is an upscale facility on the order of others of that concept emerging around the country, offering activities and services like those at private clubs.

Chris Rather is the course superintendent.

Garl designing first track in Detroit area

MILFORD, Mich. — Architect Ron Garl intends to move a lot of earth when he builds Prestwick Village Golf Club.

Garl, of Lakeland, Fla., will add character and definition to the 18-hole track which will be the centerpiece of a 425-acre residential community.

Course construction begins in September, with opening expected in mid-1995.

"This is my first course in the Detroit area and I'm excited about the possibilities with this intriguing site," which features gently rolling land, said Garl.

The project will include a 25-acre "state-of-the-art" practice facility.

Rivercliff GC adds 9

BULL SHOALS, Ark. — Construction is nearly complete on a nine-hole addition to Rivercliff Golf Course here — making the course the only 18-hole track in the retirement area around this community.

The Tee To Green Golf Course Construction Co. of Bedford, Texas, began work on the course last September, and TTG President Steve Hutchison said it should be completed around June 1.

Set in the hills of the Souther Ozark Mountain region, the course will have two natural blowing streams and two manmade lakes.

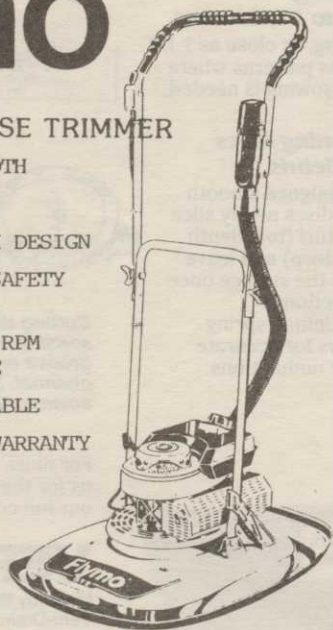
Four wooden bridges blend in with the hillsides at strategic places on the course.

Hutchison took extreme care to preserve the beauty of the rocks and trees of the area.

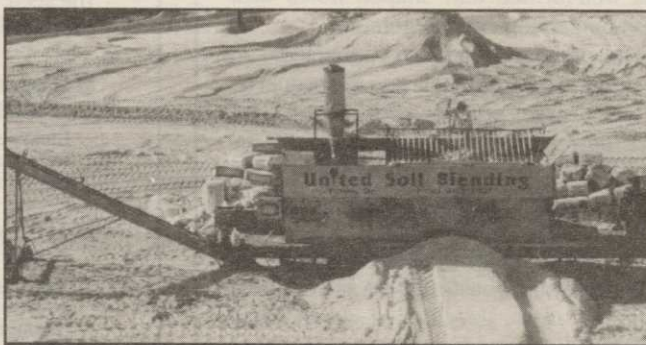
Flymo®

GCT 20 GOLF COURSE TRIMMER

- * 20 INCH CUTTING WIDTH
- * WEIGHT 34 LBS
- * NEW REINFORCED DECK DESIGN
- * PATENTED & PROVEN SAFETY CUTTING SYSTEM
- * 98cc/2 STROKE/4200 RPM POWERFUL JLO ENGINE
- * COMPLETELY REBUILDABLE
- * 1 YEAR COMMERCIAL WARRANTY (ENGINE ONLY)



PRECISION
SMALL ENGINE CO.
POMPANO BEACH, FLORIDA
(305) 974-1960 OR 1-800-345-1960
REPS WANTED



UNITED SOIL BLENDERS, INC.

United Soil Blenders, Inc. offers these advantages to its customers:

- Highest quality blending
- Constant on-site monitoring of mixing operation
- Continual percolation testing to ensure USGA specs
- Complete turn-key pricing
- LOWEST PRICING — including loader and all labor

Soil blending is a must in the high-tech business of golf course construction. And United Soil Blenders, Inc. strives for excellence in every green construction project we undertake.

For the Best greens ever, insist on United Soil Blenders, Inc.

(912) 386-1970

P.O. Box 1325, Tifton, GA 31793