

YOUR REPUTATION DESERVES TYPAR LANDSCAPE FABRIC.

Your reputation can be jeopardized by little things. Like weeds.

Fight back with Typar Landscape Fabric, the key to maintenance-free landscaping for your clients.

Typar is made from rugged polypropylene fabric. It blocks weeds, but is porous enough to let water, air and fertilizer pass through. The result? Healthier soil and plants.

Typar leaves all your landscaping projects—and your reputation—looking beautiful longer.

There are plenty of other professional uses for Typar:

to block weeds under decks and in planters, to prevent heaving of bricks in patios and walkways, and to minimize erosion.

Ask for Typar Landscape Fabric for Professionals. You deserve it.



FOR PROFESSIONALS



The Ryan Touch.



Quality equipment for outstanding results.

Combine your turf care expertise with Ryan turf care equipment, and it's a little like working magic on your course. Our complete line comes with a long history of low-maintenance and high performance. In fact, the only one who works harder to keep your turf looking good season after season...is you.

The new Greensaire® 24 is the latest example.

No other aerator on the market

lets you do the job as effectively with less maintenance for as many years as the new Greensaire 24. Only with its crank and cam action do tines go vertically in and out to virtually eliminate side compaction and a ridge around each hole. The result is a smoother putting surface and better root development.

Seals, shafts, and slide and guide bearings have been improved to give you at least three times the normal operating life. Push rod bearings are now internally selflubricated to eliminate grease fittings and routine maintenance. So, you'll reduce your downtime while saving service time between the greens — getting golfers back on the course quickly.

Ryan tackles the big jobs, too.

The Ryan Renovaire® is the only proven tractor-drawn aerator on the market that has full floating action to completely follow the contour of the land. Each pair of tine wheels is independently mounted. High spots, as well as low spots, get deep, even penetration over a six-



foot swath at speeds up to 10 mph. Add weight trays which can carry up to 200 pounds each, and you'll get maximum penetration in even the most heavily compacted areas.

The Renovaire will adapt to various soil conditions by doubling the tines, or by changing tines: coring tines for regular soil, slicing tines for drier soil, and open spoon tines for areas needing renovation. So, you can use your Renovaire throughout the year, and take the Ryan touch to every part of your golf course.

A full line of Ryan reliability.

The Ryan line of dependable, work-proven performers also includes the Greensaire 16; the durable Jr. Sod Cutter; the Ren-O-Thin® III and IV with interchangeable reels, perfect for breaking up cores and dethatching greens and tees; and the Mataway® heavy-duty power rake, now with an Overseeder, lets you dethatch or deep slice, overseed, or do both at the same time. All are designed to provide years of heavy use with few repairs. All are backed by a name

synonymous with great golf course maintenance.

Ryan. The company that's been bringing out the best in golf course superintendents around the world for over 30 years.

For more information or a free demonstration of the Ryan Touch on your golf course, contact the Ryan dealer nearest you today. Or call: 402-475-9581.

RYAN

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THE MAKING OF A GREAT COURSE

Old Marsh Golf Club used to be a cattle ranch located on wetlands. Scheduled to open last month, the Pete Dye creation is now one of Florida's finest.

tis a rare gray morning on the back nine at Old Marsh Golf Club in North Palm Beach. Golfers are greeted by families of wild sandhill cranes and dense hammocks of tall cypress, sabal palms and pines.

And that's exactly what developer Robert B. Whitley had in mind when he asked Pete Dye to transform a cattle and horse ranch into a cham-

pionship course.

The 450-acre, 18-hole Old Marsh course was designed by Dye to be unique in Florida because natural prairies were incorporated. The predominantly grassy marshlands provide a natural setting of beauty that ideally lends itself to a Dye creation.

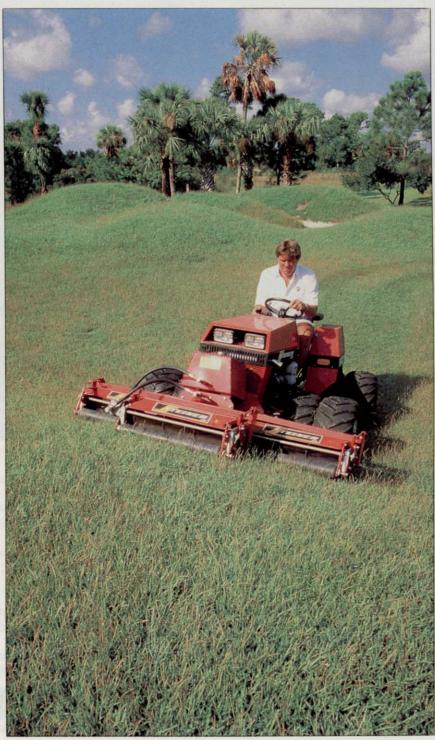
An 11,000-square-foot maintenance facility includes offices, storage space for \$350,000 worth of new maintenance equipment, a caddy lounge and a separate, 600-square-foot chemical and soil storage building.

Wooden bulkheads, long a Pete Dye trademark, have been used sparingly. However, boardwalks spanning the marshes and wooden cart bridges have been built throughout the course. Complicated irrigation and drainage systems protect five separate, 18-acre natural Everglades parcels and 30 acres of newly-created marsh from fertilizer and pesticide runoff.

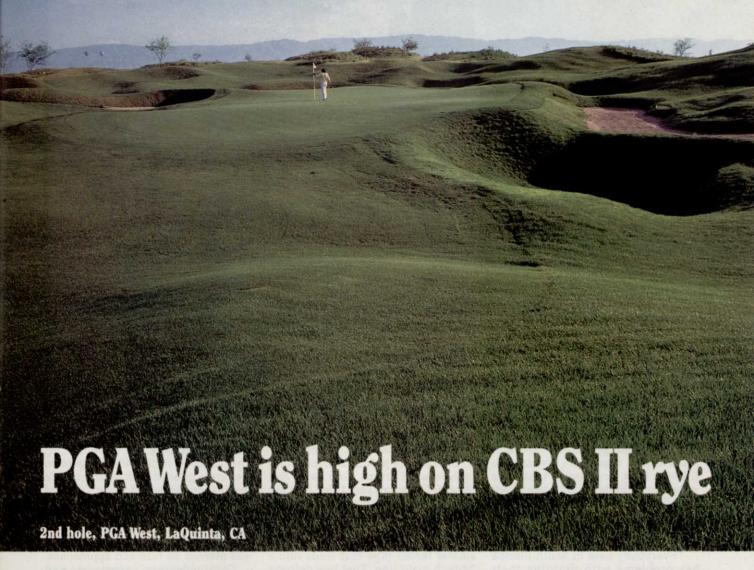
Florida protects wetlands because they are vital for fresh water supply replenishment, flood control and irrigation. Perhaps most importantly, they are feeding grounds for many species of Florida's wading birds. Florida has lost an estimated 12 million acres of wetlands-about 60 percent-between 1850 and 1973, according to state estimates. For this reason, Old Marsh developers spent two years getting all the needed environmental permits before breaking ground. A strict monitoring program has guaranteed protection of the natural wetlands.

Wetting non-wetlands

To irrigate the golf course, Old Marsh chose the Toro Vari-Time II hydraulic system. State regulations allow no irrigation in the wetland areas. There-



Old Marsh superintendent Dennis Weber says the Steiner TRS 20 is "an upand-coming piece of equipment" for golf courses with steep banks.



This Pete Dye designed course uses CBS II blend for uncompromising quality in desert overseeding

PGA West incorporates all the latest and most innovative design features . . . target greens, awesome hazards and stadium golf mounds. To keep this course picture perfect during heavy winter use, CBS II is used to overseed the dormant bermudagrass.

CBS II establishes quickly, tolerates temperature extremes, has improved disease resistance and provides a thick, dark-green, finer bladed carpet that mows better than older rye varieties. CBS II is ideal for PGA West's tees, fairways and roughs.

PGA West is a state-of-the art golf

course. The people who play here demand perfection. If the difference between CBS II and cut-rate ryes is a matter of pennies, the choice is simple . . . CBS II . . . there simply is no better blend at any price!

CBS II Oregon certified blue tags and Desert



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tions and valuable prizes to individuals. Ask your distributor for details.

CBS II Brand ryegrass blend is produced by:



PO Box 250, Hubbard, OR 97032 503 981-9574/TWX 510 590 0957 fore, almost every pop-up head that Toro manufactures—including 690s, 670s, 650s, 640s and even Super 600s—had to be used. To pump water through the system, a PSI pump station with 1800 gpm capacity was selected.

The cost of irrigation installation, including materials, labor and pump station was approximately S350,000. Drainage materials and installation cost approximately S225,000, says superintendent Dennis Weber. Very little fill has been used on this unusual course. The greens are generally on the same level as the surrounding trees and vegetation.

"This is my first Pete Dye-designed golf course, and due to the stringent environmental standards, I really got an education from him on the subject of drainage," says Weber. "Almost 50 percent of our construction costs on this course were underground," he adds.

Excess irrigation and rain water flows into an average of 50 drain tile catch basins on each hole. The runoff water is then moved through a series of custom-fit pipes into deep-water lakes where vegetation cleanses it. Gravity flow eventually takes the water from the lakes into one major outfall canal which is force-pumped three miles into the South Florida Management District canal system, says Weber.

"Everybody here in South Florida has problems with draining their greens. But Old Marsh is using a method preferred by Dye that has



Shown here is hole No. 5 while under construction. That hole has been made even more difficult by a man-made marsh surrounding it.

proven to be effective," he notes.

Beneath the putting surfaces, a 14-inch layer of ortona sand (with five percent Canadian peat tilled into the top six inches) was placed over a four-inch deep layer of pea gravel. Under the pea gravel, a herringbone drainage field draws the water into six-inch diameter feeder pipe that leads into a 24-inch main line. That line delivers the excess water into the strate-gically-located lakes.

Bermuda is king

The irrigation system was designed so that areas grassed with non-Bermuda species can be shut off while Tifdwarf on the greens will still be irrigated.

The Tifdwarf greens are overseeded in winter with creeping bentgrass. Tifgreen 328 Bermudagrass was planted on tees and approaches.

Centipedegrass, carpetgrass and Bahiagrass were chosen for rough areas because of their natural, contrasting appearance. Centipedegrass was sodded onto the pot bunkers and the faces of all steep banks. The full-time maintenance crew will fertilize the roughs only twice per year and cut it only about six times, to retain the natural look of each grass.

Generally, fertigation is the chosen method of feeding. That, however, is supplemented with dry applications broadcasted with Lesco rotary spreaders on greens, tees and approaches. PTO-driven Lely L4000 and Vicon PS402 tractor spreaders are used on fairways.

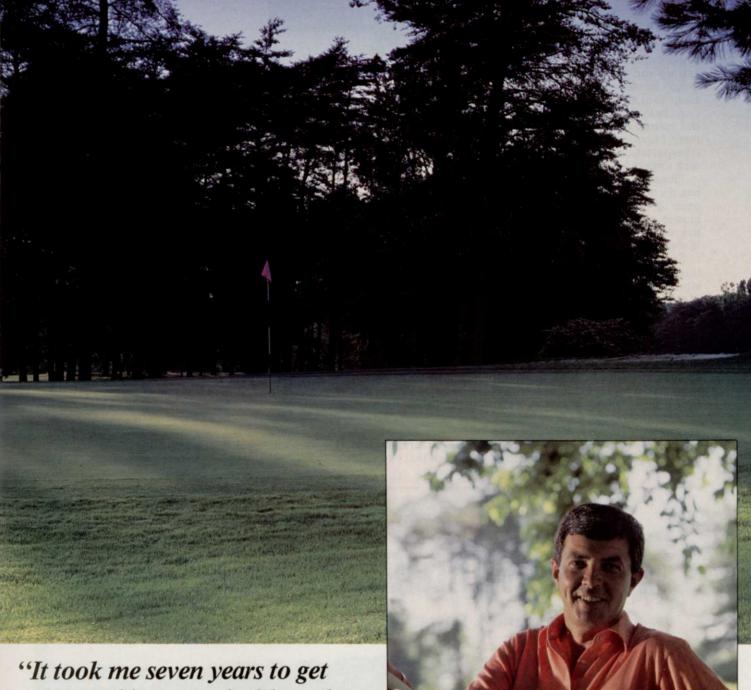
New cutters

Weber says that a pair of Toro 450D mowers was purchased to cut the fairways and roughs, while the Toro Groundsmaster 72 is used for roughs around trees. The Toro Turf Pro 84 trim mower is used for an intermediate fairway cut. Three Lesco 300 triplex mowers cut approaches and collars. Ten Jacobsen 22-inch greensmowers share duty on Old Marsh's tees and greens.

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Old Marsh has five preserved natural wetlands bordering the course.



to know this course inside and out. I wouldn't trust it to anything less than Lebanon quality."

Face it. If your turf looks bad, you look bad. With so much riding on the condition of your course, it just doesn't make sense to trust your reputation to anything less than Lebanon quality.

For over 40 years, Lebanon Country Club Turf Products have been the standard of the industry providing consistent, dependable performance at an exceptional value.

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on Country Club Turf Products, phone your local Lebanon distributor today or call our Greenline at 1-800-233-0628, 1-800-852-5296 (PA only) or 1-717-273-1687.



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OLD MARSH from page 46

Weber calls the Steiner TRS 20 with Triplex mower and four-wheel drive, "an up-and-coming piece of equipment" for use by golf courses with steep banks. Four Honda ATC 250s came in handy for supervisors during the course construction stage, but more importantly, are now efficient transportation vehicles when used with trailers for the Jacobsen mowers.

"Because the course is so spread out, it's nearly impossible to just walk over to the next green with your mower, so we divided the course into five sections for mowing purposes," Weber explains.

Six Cushman 461 Trucksters transport other workers to their job sites within the course, while four Massey Ferguson tractors serve to pull implements like sweepers and spreaders.

Since pesticides are required yearround in this part of Florida, Weber purchased a Hahn truckster with sprayer, model 3157. He likes to minimize thatch build-up on his fairways by using an Olathe Model 61 PTOdriven blower, pulled by a Massey Ferguson 240 tractor to blow clippings off fairways. In total, Weber purchased 77 pieces of new equipment to



Pete Dye incorporated natural prairies into Old Marsh's design.

maintain the course at old Marsh.

Top of the line

The market demographics for both home buyers and club members is decidedly upscale. Prices for homes being built at Old Marsh start at \$500,000. Two-hundred-thirteen lots are reserved for single-family homes (90 of which have already been sold). Homesites start at \$125,000. The five participating builders are providing custom homes ranging in size from 2,900 to 4,500 square feet. The homes have natural materials and color schemes that express "old Florida" in

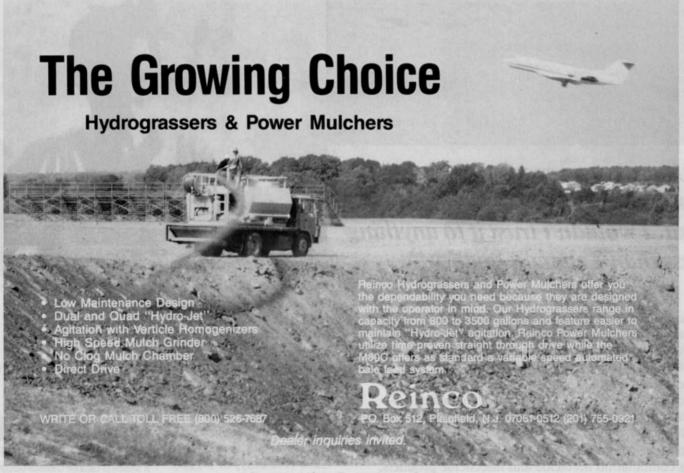
their quality, style and compatibility with the surroundings of native flora.

Membership in the traditional club is limited to 300 members, who each pay an equity fee of \$35,000. A \$3.5 million clubhouse—sitting proudly between the 9th and 18th greens and overlooking a beautiful, preserved marsh, was due to welcome members in late December.

Designed by Atlanta architects Nichols Carter Grant, the 21,000-square-foot, one-story structure features natural wood and tabby stucco construction, with rich earthtone colors finishing the exterior. In addition to featuring a dining room and cocktail lounge, a spacious men's locker room with sauna, steam room and an adjoining men's grill, the Old Marsh clubhouse also houses the golf shop and administrative offices.

Near the clubhouse is a 275 x 200yard practice area complete with four target greens with bunkers, two chipping and two putting greens. Weber believes it is one of the best practice facilities available.

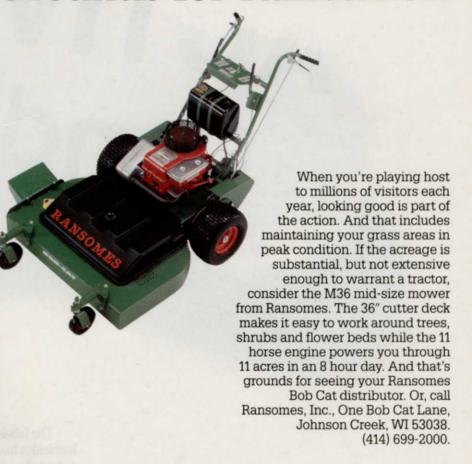
"Being a part of the construction of this course was a great experience, but it sure was nice to see that first foursome tee off," says Weber. LM





The Indiana Convention Center and Hoosier Dome in Indianapolis, heart and pulse of a great state.

Grounds for Ransomes.



RANSOMES

The grass machine.

The most effective



The labels on your best pre-emergent crabgrass herbicides have one thing in common. And it can be summed up in a word: pendimethalin.

That's because pendimethalin from American Cyanamid is the active ingredient that offers season-long crabgrass control. And it does it very economically.

But pendimethalin controls more than just crabgrass. One low rate also prevents other tough grassy weeds including foxtail, fall panicum, barnyardgrass, and *Poa annua*. Hard-to-control broadleaf species like oxalis