

all live here, we all see each other all the time,” Trenchard says. “When you’ve all been here this long, we all develop the same ideals.”

Trenchard says he and his housemates typically have dinner together or maybe just a beer after work. Off-time activities include horseshoes, football, baseball, and for the foreign guys, cricket. If there are any pranksters in the house, he won’t name names.

Trenchard and his housemates — none married — can view their living arrangement as fun and convenient. Quijada, who comes from a rough D.C. neighborhood, sees an unquantifiable value in having his three children living in the upscale Bethesda, Md., area.

Before he and his wife moved their kids to Congressional, they had problems with break-ins at their apartment. One break-in occurred while his wife and children were at home. Naturally, his wife is relieved to live behind two different gates at Congressional.

“I have three beautiful kids, and I live on-property, so they all get to go to the (local) school system, which is great,” Quijada says. “The kids now are in a great school system. To me, I’ll do anything for their education.”

Course renovations

Despite the great personal stories and victories, when the greatest golfers in the world ascend on Congressional CC in June to compete in the 111th U.S. Open, they’ll be looking past the crew and at the work they did.

Key among the projects the course took on was a reconstruction of greens in 2008. The reconstruction was at the behest of the course, not the USGA.

“Originally we had *Poa* greens on a mix that wasn’t a good mix. We learned that during the 2007 AT&T National in July,” Giuffre says. “The *Poa* just didn’t hold up well in the heat of summer to tournament standards.”

The course was originally designed by Devereux Emmet in 1924. Robert Trent

Jones revised the course in 1959. Rees Jones came in and revamped his father’s work 30 years later in 1989. For the greens reconstruction in 2008, Rees Jones took care to keep the contours he installed in 2008. The course also installed SubAir systems on all the Blue Course’s greens.

The fairway widths were narrowed

throughout the course, from an average of 33 yards to an average of 25 yards. Giuffre says most of the fairway narrowing was the artwork of Hutchinson under the direction of USGA executive director Mike Davis. Meanwhile the heavy lifting was done by a local contractor.

Continued on page 32






NEW Complete Line of Irrigation Hose
Highly Efficient Full Flow Couplings



Dura Flow



GH Series



Clear GH Series



Nozzles



Wetting Agents



Applicators



NZ028



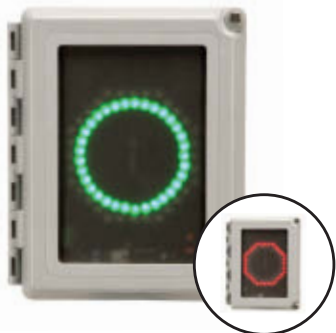
NZ031

TEL: 800-420-4673 •• www.kochek.com •• FAX: 800-772-0255

Introducing the Re-Designed

TEE SENTRY®
From Reliable Golf Course Supply

- Innovative LED Technology
- Increased Efficiency
- Lower Cost



**Still the best answer for
managing blind shot
situations at your course**

Reliable
Golf Course Supplies

1.800.274.6815 • reliablegolf.com

Cover and Protect Bridges with BridgeRunners

Eliminate costly maintenance or repair ... or "resurface" damaged areas. Excellent dry and wet traction. Genuine rubber in 3', 4' or 6' widths in lengths up to 16', with optional interlocking tabs for longer installations.

LRP

Linear Rubber Products

1-800-558-4040
www.rubbermats.com



Warehouse Direct Pricing!

- BridgeRunners
- Landscape Pavers
- Locker Room Flooring

2011 U.S. Open



"I've surrendered to the fact that we can't keep up with the damage," Quijada says of the massive infrastructure being built on the Gold Course.

Continued from page 31

"Since we have bentgrass fairways, it's not just mowing (new) lines, you actually have to lift sod and change sod out," Giuffre says. "We're real fortunate to have a great contractor in McDonald & Sons (Jessup, Md.) that did all the work for the greens renovation and the fairway narrowing and tee construction. They've done a lot of work at top 100 courses, and it just so happens that they're right in our backyard."

The most significant change to the course came in 2006, when the original par three 18th hole was converted into the current 10th hole. The old No. 17 now plays as 18, while the new No. 10 now plays in the opposite direction of its old self.

Not to be forgotten are the nine lost holes on the Gold Course, swallowed up by U.S. Open infrastructure. Previously, for the AT&T National, the Gold Course didn't lose any holes.

"Everything you see on this course is above and beyond the AT&T," Giuffre says.

He says communication is the No. 1 key to his success. In this case, it means communicating the damage the Gold Course will incur.

"We have to get the word out — newsletters, our website, the internet," he says.

"Once you think you've communicated enough, go back, communicate again."

Get the job done

These last weeks leading into the U.S. Open are always anxious days for the crew. Cool, wet weather in the early spring made the turf "slow to wake up," but Giuffre says the weather's been as good as he could hope for.

An envelope is passed around at the maintenance facility. The collection is for cash for a barbecue that evening. They'll do it up right there at the maintenance facility, then most will walk or take golf carts home.

"It's crucial we don't burn out before the event," Hutchinson says.

But is the event to fight stress?

"We're just busy," Giuffre says, his mellow tone not hinting at the gravity of the event that is weighing on everyone.

Rees Jones laughs when asked to describe the team's demeanor at Congressional.

"It's just a great team. Low-key. Get-the-job-done," he says. "They just know what they're doing."

If the comfort level at Congressional is high, it's for good reason: they have home course advantage. ■

Seth Jones is editor in chief of Golfdom.

TEAM UGA PROFILES

Hollifield and Fincher

**Terry Hollifield
Can Tell You
How Our
International
Turfgrass
Certification
and Inspection
Programs Work.**
gacrop@bellsouth.net



**Want Information
About UGA's
Domestic and
International
Licensing
Programs?
Contact
Shelley Fincher.**
shelleyf@uga.edu



We require that all of our international growers participate in TeamUGA's International Turfgrass Genetic Assurance Program. By carefully monitoring the varietal purity of TeamUGA cultivars at the farm level, we help our international producers grow and market high quality, genetically pure turfgrasses all around the world. Bottom line, doing business with a bonafied ITGAP member or purchasing certified turfgrass material from a US grower are the ONLY ways international buyers can be sure of getting the grass variety and quality they're paying for.

As the Turfgrass Plant Licensing Manager for the University of Georgia Research Foundation (UGARF), Shelley Fincher licenses qualified domestic and international producers to grow and market TeamUGA's patented turfgrass varieties. If you're interested in becoming a TeamUGA licensee for an existing turfgrass release, or future release, contact Ms. Fincher. She can steer you to the right group for a domestic or international TifGrand license. She can also give you updates on Paul Raymer's new premium Seashore Paspalum, which we expect will be available in the summer of 2011.

**TeamUGA's New Seashore Paspalum
Is Coming Soon. Stay Tuned.**

Our Improved Bermudagrass and Paspalum Cultivars Are Patented, Licensed, Certified and Carefully Inspected For Varietal Purity



This improved UGA bermudagrass is ideal for golf course fairways, tee boxes, putting green fringes and practice areas. TifSport's turf quality, turf density and turf strength help it recover rapidly from injury and stress. In addition to superior color, cold hardiness and disease resistance, it handles a wide range of mowing heights exceedingly well. If you're involved with the installation or day-to-day care and maintenance of a golf course facility, you'll really appreciate TifSport. It's a cut above the other bermudagrass varieties in use today.

www.tifsport.com



TifGrand is the world's first and only sterile triploid bermudagrass bred for shade. In fact, over ten years of comparative evaluations have demonstrated conclusively that TifGrand maintains excellent density in up to 60% shade. TifGrand has also earned high scores in overall turf quality in full sun environments during twelve years of NTEP trials, equal to Tifway and TifSport. TifGrand is a dwarf variety with an excellent dark green color. Since 1997, TifGrand has undergone 23 NTEP tests in 19 states; nine years of testing for insect resistance in Griffin GA; nine years of shade testing in Tifton GA, and additional tests in Texas and Arizona.

It has also been evaluated in low light conditions for over five years at Pinehurst #3 in Pinehurst, NC; East Lake Country Club in Atlanta, GA; Mobile Country Club in Mobile, AL; and at TPC Prestancia in Sarasota, Florida.

www.tifgrand.com



Released in 1998 by UGA and USDA/ARS, TifEagle was bred to meet the challenges faced by today's golf course superintendents and the expectations of a new generation of golfers. It can tolerate the intense management necessary to deliver the putting speeds and consistency even club players have come to expect. With frequent brushing, grooming and light top dressings, TifEagle requires substantially less verticutting to control thatch buildup than the other ultradwarfs. TifEagle recovers quickly from mechanical injury, has excellent color, and is extremely cold hardy, drought tolerant and disease resistant. Most experts agree it's the new standard for the 21st century.

www.tifeagle.com



SeaIsle Supreme is a new and improved semi-dwarf seashore paspalum cultivar developed at UGA for tees, greens, fairways and roughs. Like predecessors SeaIsle1 and SeaIsle 2000, SeaIsle Supreme requires less nitrogen fertilization and less water than many other warm season cultivars. More importantly, Supreme has a higher inherent salinity tolerance level than the other paspalums available today. In fact, it can tolerate extremely poor alternate water sources including sea water-fresh water blends with proper management. SeaIsle Supreme is being hailed as the ideal wall-to-wall turfgrass solution for golf courses around the world.

www.seaislesupreme.com

For More Information Visit Our Websites or Call 706 552-4525
blake.fleeman@gsdc.com

Path to *Prettier* Ponds

From plain ol' fish to ultrasonic waves, there's a solution to the puzzle of maintaining ponds.

By Ken Moun,
Contributing Editor

It seems that superintendents are always thinking about water. If they aren't worrying about how much of it is falling from the sky, they are fussing with their irrigation systems.

But for many superintendents, dealing with the water in golf course ponds is most perplexing of all. It's not surprising; superintendents rarely are experts in limnology.

Many ponds are closed systems where there's either no outflow or the only output is to an irrigation system. When

that's the case, it's not at all uncommon for nutrients to build up in the pond, making the pond's appearance detrimental to the course.

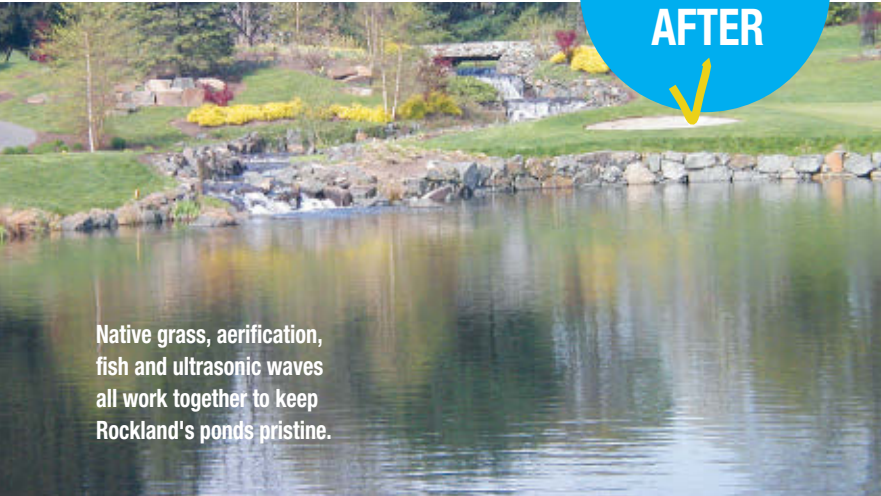
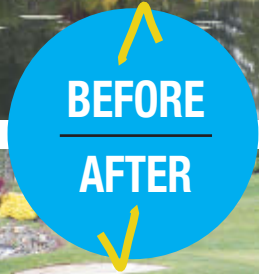
At Rockland Country Club in Sparkill, N.Y., superintendent Matt Ceplo knows that situation well. His three-acre pond is used as a primary source for irrigation. At O'Bannon Creek Golf Course in Mason, Ohio, Gregg Guynan has several ponds that add up to 6 acres of water, which

Continued on page 34

It takes work to keep a pond as pretty as the one on No. 3 at Grand Cypress in Orlando.

PHOTO BY: MIKE KLEMM

Picture-Perfect Ponds



Native grass, aerification, fish and ultrasonic waves all work together to keep Rockland's ponds pristine.

Continued from page 33

have limited release of water into watershed.

Ceplo's pond is fed from runoff and a spring, but it tends to stagnate in the summer heat. Guynan has a more complicated situation. His ponds see runoff from a residential area, and he pumps effluent water from a nearby residential treatment plant. The effluent is clean, but contains enough nutrients to encourage algae growth.

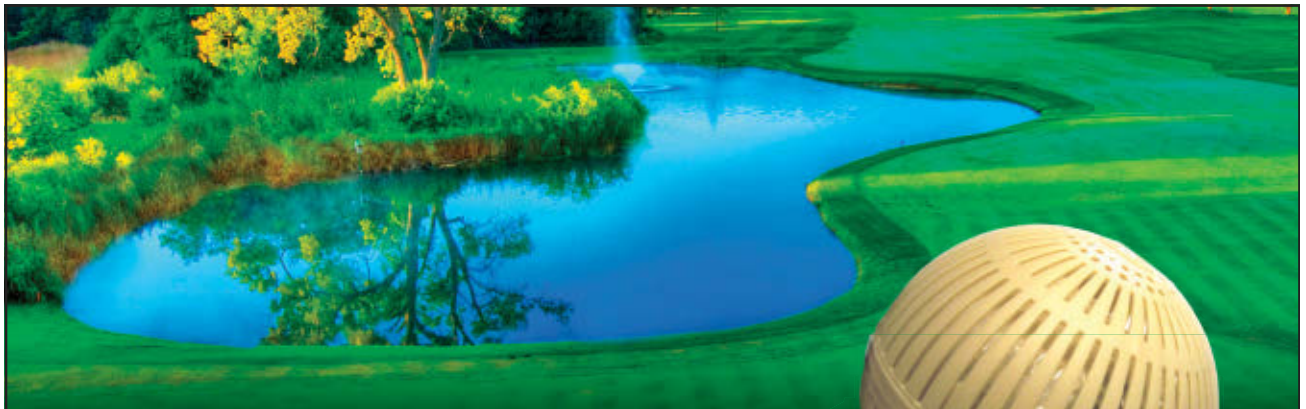
All the factors superintendents must consider make maintaining ponds much like assembling a puzzle. Different pieces must be implemented before the pond makes a pretty picture.

Multi-pronged approach

The first piece of the puzzle is accepting that ponds constitute a complete ecosystem and that anything you do to them — or even to the watershed that feeds them — is going to affect their water quality. But ponds also

Continued on page 36

PHOTOS COURTESY: MATT CEPLO



Because lush and green should describe your fairways, not your ponds.

AquaSpherePRO—Biodegradable

The AquaSpherePRO is an all natural solution to treat ponds and lakes on golf courses. It uses a blend of natural bacteria and enzymes to improve water quality, clarity and eliminate odor. The AquaSpherePRO is the natural alternative to harsh chemicals.

Be proactive, deploy the first AquaSpherePRO when your water temperatures are 45 degrees and repeat every 30 days for a clean and clear Healthy Pond.

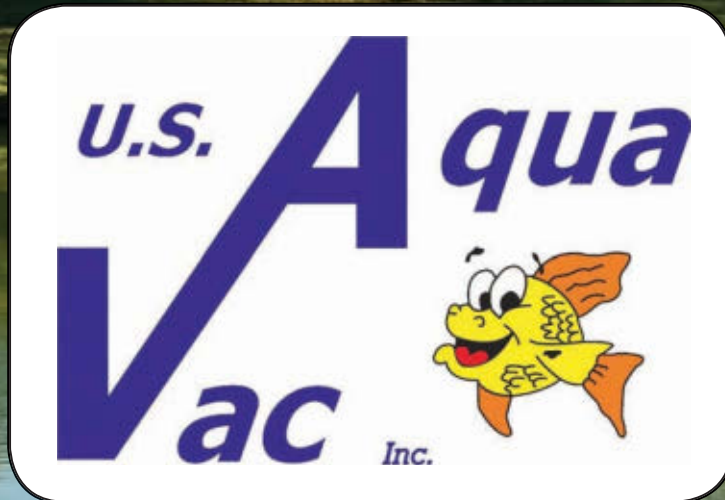
100% Natural, Safe and Effective.



1401 Apache Drive | Pipestone, MN 56164
Toll Free: 1-877-948-0303

U.S. Aqua Vac Inc.

America's #1 Lake / Pond Cleaning Company



866-989-6825

www.usaquavac.com

Picture-Perfect Ponds

Continued from page 34

present golf course managers with a unique opportunity.

Joellen Lampman, manager of the Audubon Cooperative Sanctuary Program, said, "On a golf course you can bring together all the elements of wildlife habitat—food, water, shelter and space."

What makes golf courses special, she said, is "of all the developed property in the human landscape, golf courses are the most likely to have water as an element." Consequently, golf course superintendents can create an environment that is good for both golf and wildlife.

Ceplo says that at Rockland, algae

growth has harassed his three-acre pond for years. In a typical year, he says, floating algae covers 20 to 30 percent of the surface, and submerged weeds are abundant.

Since the pond is only about 6 feet deep and has no outlet, in the summer the water temperatures can rise into the 80s, fostering algae growth. Because Ceplo uses the pond to irrigate the course, maintaining good water quality is important.

Rockland is a certified Audubon Cooperative Sanctuary, so Ceplo has already committed to the goals of the program. He says he's reduced the nutrient load on his pond by implementing a native-grass buffer strip around the perimeter. But, as is often the case with pond management, there's no single solution to improving water quality.

Another piece of the puzzle for Ceplo was improving the aerification of the pond with a man-made waterfall more than 10 years ago. He said it pumps 1,000 gallons per minute, and it did make an improvement.

The next piece was getting permission from the state to stock the pond with white amur (*Ctenopharyngodon idella*, also commonly called "grass carp.") He said the fact that the pond wasn't connected to any public water allowed him to use the amur to control weed growth. But that didn't solve the algae issue.

Ultrasonic waves

A manager at a local water treatment plant recommended to Ceplo SonicSolutions, an algae control method that utilizes ultrasonic waves to kill algae. They control blue/green algae by bursting gas vesicles inside the cell, causing the cells to sink to the bottom where they cannot photosynthesize. On green filamentous algae, the sound waves interrupt the intake of food, starving them.

Kirk Whatley, SonicSolutions national sales manager, says the concept was in the public domain, and first used in Europe. But his company is the only one utilizing the technology in the U.S. They make five models.

BUNKER
Solution™

THE WAY BUNKER LINERS SHOULD BE

- Snag free
- No Gravel
- Machine rakeable
- No sub-soil contamination
- Flexible
- Impermeable
- 8 year warranty
- Golf club friendly

BUNKER
Solution™

214 564 4478 • www.bunkersolution.com



Not many superintendents are experts in limnology, but a proactive effort on ponds goes a long way to better appearance.

According to Whatley, although the devices work 24 hours a day, they need contact time to be effective. For blue/green algae, users can expect to see results in four to seven days. Green filamentous algae take three to four weeks. Whatley says the units operate on less than 10 watts of power and are safe for fish, plants and other aquatic life.

Ceplo said the combination of all those management techniques has resulted in a clear pond. The only time he's had an algal bloom since he installed the sonic units 7 or 8 years ago was when his white amur aged and allowed the submerged weeds to grow up enough to block the sound waves. Putting a few young fish in the water quickly resolved the issue.

He uses Black Onyx colorant from Becker Underwood when the water heats up to improve its appearance. But he also said the colorant blocks light and reduces weed growth.

Joe Lara, Horticulture Specialties product manager at Becker Underwood, says that his company's approach to pond management is to help superintendents learn how to manage aquatic resources in a broad way.

"Our products fit a scheme that helps other products and management techniques succeed," Lara said.

Two commonly used Becker Underwood products are Black Onyx and Admiral colorants. Admiral is a registered pesticide that filters the specific part of the spectrum required for photosynthesis while it improves the appearance of the water. It can be used as part of a plan that limits nutrient

Continued on page 38

Algae Control Without Chemicals!

BEFORE

AFTER

JOIN THE CLUBS!

"SonicSolutions is a major component of our pond management strategy. For the past several years our irrigation pond has stayed algae free. Using SonicSolutions has helped us obtain certification status with the Audubon Cooperative Sanctuary Program."

Matt Ceplo, Superintendent, Rockland Country Club, Sparkill, NY

"Within a week or two after start up, the algae in the pond died. Since then, the pond has remained algae free. It is now the cleanest of our six ponds without the use of any chemical algaecides!"

Michael J. Rohwer, Superintendent, Shadowridge Country Club, Vista, CA

"I installed the SonicSolutions units when my ponds already had algae in them. I was completely surprised how quickly they killed the algae and helped to significantly lower my chlorophyll levels!"

Gonzalo Vargas, Coco Beach Golf Resort, Rio Grande, Puerto Rico

"We are extremely happy with our SonicSolutions devices. Our algae problem was quite extreme and the results were both immediate and long lasting."

Bob Gibson, Snow Creek Golf Course, Mammoth Lakes, CA

"SonicSolutions was not only the most environmentally friendly way to rid our pond of algae, it was also the most cost-effective too."

Phillip J. White, Crofton Country Club, Crofton, MD

Safe for fish, plants, or other aquatic life!

- Green Solution - No chemicals
- Low Maintenance - Simple to use
- More than 2000 units in use
- Cost Effective - Uses less than 10 watts
- Solar power units available
- Ask us about our 3-Month Rental Demo

SonicSOLUTIONS[®] LLC

Algae Control Without Chemicals!

1-866-KO-ALGAE

(1-866-562-5423)

sonicsolutionsllc.com

Picture-Perfect Ponds



Manage the health of all your water features naturally and effectively!

• DIGESTS • CLARIFIES • DENITRIFIES

AQUA-T™ Pond Bacteria

• Controls odors
• Eliminates sludge
• Removes nutrients

Easy-to-Use water soluble bags in 25 and 50 unit pails

TREATED **UNTREATED**

BIOPRO
TECHNOLOGIES, LLC

800-988-8257 • bioprotechnologiesllc.com

Continued from page 37

inputs or utilizes plantings to absorb nutrients. Black Onyx is not a registered pesticide, so the company's claims for it are limited to its appearance benefits.

Improve water quality

Lampman, manager of the Audubon Cooperative Sanctuary Program, said one of the simplest ways to reduce nutrients in golf course ponds is to allow native vegetation to use it up. "We recommend whenever possible, creating wildlife habitat around a pond," she said. "You'd be surprised at how much of a difference that can make."

She also noted that aquatic vegetation will accomplish the same thing. "I know that cattails can be a touchy subject with golfers and superintendents, but they will improve water quality just by taking up nutrients. The other benefit is that aquatic vegetation discourages Canada geese."

At O'Bannon Creek, Guynan uses three ponds for irrigation, and his members like to fish for largemouth bass and bluegill. So, finding an environmentally sound solution to algae growth was important.

Since he augments the runoff water with clean effluent from a nearby treatment plant, there are times during the summer when the effluent is pumped for weeks at a time. "The water is very clean, but has nutrients, so we get a severe algae problem when there's no rainfall and temperatures are high," he said.

Like Ceplo, Guynan has installed a native grass buffer strip



to reduce nutrient inflow from runoff, but with storm drains coming in from the neighborhood, and pumping the effluent, other measures were required.

He has been at the course almost since it opened in the late '70s, so he's very familiar with the ponds' management history. White amur were stocked to help control submerged weeds about 10 to 15 years ago, about the time the course started pumping effluent into the ponds. Then seven to eight years ago a subsurface bubbler system was put in to improve aeration. Guynan said each of those were effective to some extent.

The last tool he utilized was the Aquasphere by Bioverse. They utilize naturally occurring bacteria and enzymes with a patented release process that lasts a month. Guynan said his approach has solved his algae problems.

However superintendents solve their pond problems, Becker Underwood's Lara reminds them to treat their ponds as an important feature on the golf course.

"You can use a variety of approaches to manage that living resource, or do it as an afterthought and spend a lot of time and effort fighting it." ■

"You can bring together all elements of wildlife habitat — food, water, shelter and space," Lampman says.

Ken Mowm is a contributing editor for Golfdom.



CUT, RAKE AND ROLL

WOOD BAY'S TRIPLE THREAT...

...Imagine what these products can do for you!

WE MAKE IT EASY...

That's the Wood Bay difference!



*greens*IRON 3900

*fds*9200

*dyna*BLADE



GET THE TRIPLE THREAT WORKING FOR YOU! Toll Free: 1-800-661-4942 or visit www.woodbayturftech.com

Rush Delivery



JOHN DEERE
GOLF



John D. Hughes
Director of Golf Course Maintenance
Barefoot Resort & Golf

Whether you need a part overnight or say,
two fleets of equipment overnight.

We take routine customer support to a whole new dimension.

As John Hughes discovered when he lost two courses' worth of equipment in a fire.

Within 24 hours, he had all the critical equipment he needed, and 36 hours later,
two complete replacement fleets.

All without money changing hands, thanks to coordination between his distributor,
Revels Turf & Tractor, and John Deere Financial.

Extraordinary? Hardly.

We'd try to do the same thing for every single one of our customers.

If that's the kind of service you want to count on, then contact your John Deere Golf
rep. Or visit JohnDeere.com/Golf - and check out the full Barefoot Resort & Golf story.

47566



JOHN DEERE
GOLF



Think Ahead.