

# **Reconciling primo conditioning & healthy turf: Two takes**

## • Raised heights to 3/16? Ball roll needn't suffer

#### By PAT GROSS

You've heeded the warnings and raised your putting green cutting height to 3/ 16 of an inch, just like all the experts have told you. Just when you're proud and confident of your accomplishments, the golfers start complaining that the greens are too slow.

"Cut 'em lower!" they cry. "Turn off the water!"

"They need more verti-cutting!" and the ever-popular: "I don't care what you do, but they better be rolling 10 feet for the big tournament!"

Don't they remember all the disease and turf loss that occurred when you tried to keep them fast all summer?

Mowing at 3/16 is a prudent practice for creeping bentgrass/*Poa annua* greens during the summer. There is no doubt the increased mowing height improves turfgrass stress tolerance during the summer and, yes, the greens are going to be a little slower. Instead of

Pat Gross is director of the Western Region for the United States Golf Association Green Section.



caving in to demands for lowering the mowing height, there are several things you can do to improve ball roll and keep the turf healthy at 3/16.

1. Keep'em sharp — Greens suffer just as much from a poor quality cut as they do from an excessively low mowing height. Your mechanic should check the

cutting units daily when they come in from mowing, and make any necessary adjustments. Weekly or biweekly back lapping along with checking the bedknife will help keep the cutting units sharp at all times.

2. Proper Irrigation — Irrigation management is far and away the most important practice for maintaining healthy turf

at any cutting height. With creeping bentgrass/*Poa annua* greens, the goal is to keep the soil uniformly moist, but not wet. If you are on a leaching program to control salinity, go ahead and give the greens a good long soaking when necessary (4 to 6 hours). Then turn off the automatic system and go to hand watering for as long as possible. Overly wet greens are slow, bumpy and disease prone.

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## • The perfect shot shouldn't mean the perfect lie

#### By DENIS GRIFFITHS

Years ago, when the links courses of Scotland and England were laid out in and around the natural dunes and land forms, man moved minimal earth to provide contiguous golf holes. Everything on the links was adapted to fit existing conditions. You might say that Mother Nature

was actually the builder, and the course designer was merely the one who discovered routing.

This use of nature often provided courses that were testing and frequently offered imperfect lies, blind shots and unmanicured turf. Part of the enjoyment of these courses, however, resided in having to

respond to these challenging circumstances, often through creative shotmaking.

But somewhere along the line, the American perception of the game strayed from its European roots. That percep-

Denis Griffiths is principal of the golf course design firm, Denis Griffiths & Associates, Inc. of Braselton, Ga. He is sitting president of the American Society of Golf Course Architects.

tion, which has been a major influence on course design around the world, applauds wonderfully maintained, impeccable golf courses. It also encourages complete fairness in design, and is skeptical of "unusual" design measures such as the occasional blind shot. TV, golf magazines and the PGA Tour



have all had a hand in furthering this perception, particularly in setting expectations that are often mistaken for standards. Announcers banter on about how players are penalized for anything less than a perfect lie and touring professionals complain about course conditions. Meanwhile, we nod in empathy.

m- But must a good tee shot always be re-

warded with a perfect lie? Must every shot be hit to a clearly visible target? Must it always be possible to advance a ball from a sand bunker? Must every green hold approaches? Must the play area contain 100-percent turf coverage throughout the season, no matter what weather conditions exist?

I am the first to agree that these conditions can contribute to the game's overall enjoyment level. But I also feel this **Continued on page 39** 





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"Americanization" may eliminate many shots that are required on the traditional Scottish and English courses... shots that add to the game's challenge and finesse.

In discussions with other members of the American Society of Golf Course Architects, I find that most strive to meet these Americanized expectations. As a result, today's course architecture may best be described as a study on how to best modify terrain to create the desired golfing experience. With sites containing more and more limitations — whether they be related to size, terrain or envi-

ronment — designing to this American style of golf often involves extensive earthwork to reform the ground, especially to prevent blind shots and provide level play areas. It also requires green construction methods, irrigation system design and grass selection that have reached a level of sophistication almost beyond comprehension. All in the name of perfect playing conditions.

While meeting golfers' expectations, these designs have and will continue to drive course construction costs higher. The dramatic upswing in maintenance costs is likely to continue as well. (It is not uncommon for the average annual maintenance cost of a 25-year-old facility to exceed the original cost of construction for the same course!) All of which has lead to an overall rise in green fees.

It is my belief that the quality of a game of golf should be judged more on the integrity of the course's design than its condition. The goal of the golf course architect is to create variety, demanding that players use every club in their bag. Less-than-perfect turf



When playing older courses where the condition of the turf is determined by the most recent weather cycle, golfers are required to adjust their game to the specific conditions every time they play.

I believe we should consider changing our expectations and returning more to the original concept of the game. In this concept, the ball is played as it lies, and there is not always a reward for a perfect shot. In doing so, we will expand the opportunity for more affordable golf. We will also obtain a better appreciation of what the game has to offer.

## **Flyovers**

**Continued from previous page** pare the design to the actual build and calculate the cut-andfill off of that. Or when they do a rough grade of the course, you can shoot the contours then; and when it comes to moving the dirt,

you can also do the cut-and-fill. The contour mapping is extraordinarily precise. When it was receiving bids to renovate its Pinehurst No. 2 greens, Pinehurst Resort asked LDI to produce 300th to 400ths of a foot verticle mapping. Surveyors generally work in 10ths of a foot, Katula said. "We have to do special things to hit that 300th height every time."

But LDI's normal survey data shows 1/10th-of-a-foot contours on each green and 1-foot contours of fairways at any scale the superintendent requires.

"I hope to achieve two things," said Alonzi. "First, as a warning sign. Since it has the ability to see what the naked eye cannot, is perhaps give me warnings of things that may be occurring in the plant before it actually happens.

"Second, to reaffirm some of the critical areas on the golf course... from subsurface rock formations, or just poor soils, to help me to zero in on these areas and explore it. Not only to be able to go out myself, but to take a committee out on the course with evidence in hand that there is something wrong."

In the future, Alonzi said, infrared photography's use may expand. "It's new technology and they're improving it every day. Maybe we'll be able to tie it to certain pathogens from information we get from the stress areas. It could help to manage microclimate situations.

It already has come to Alonzi's rescue. The same day a club member objected to overwatered fairways, the aerial film arrived showing that the course was in jeopardy from lack of water, Alonzi said. "So it also becomes a tool to help you support some of the practices you are exercising."



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