FEATURES

Superintendent profile

HEAD OF THE CLASS

From top student to chapter president, Joe Livingston stands out in the Lone Star state.

COVER STORY:

Water management

WASTE NOT, WANT NOT

Superintendents face the new realities of water quantity and quality.

Career management

THE BIG STEP UP

There's a lot at stake for young assistant superintendents who transition into a head role.

Product focus: seed

BEEN THERE, DONE THAT

Richard Haas, CGCS, settles in Montana to perfect his grow-in know-how with cool-season grasses.

75 A-OK

In his first superintendent job, an Oregon native seeds a course close to home and reaps the rewards.

Course construction

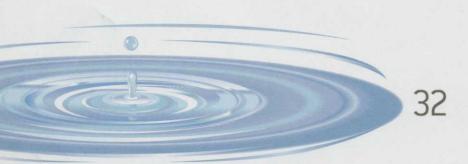
POLISHING AN OLD GEM

A restoration at Olympia Fields refines the South Course.

RESEARCH

84 WHAT LIES BENEATH

TDR-tension infiltrometer tests root-zone materials and monitors putting green performance.



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SPECIAL SUPPLEMENT: SMART IRRIGATIO

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S3 LESS IS MORE

Superintendents downsize water consumption by upgrading efficiency.

MAKING HISTORY S10

A new superintendent facilitates a new irrigation system at the oldest 18-hole private golf course west of the Mississippi.

S16 IT'S NOT A DIRTY WORD

Effluent water is becoming a more common irrigation source.

S22 WATER PRECISELY

Amendments contribute to water efficiency when they fit course conditions.





Twenty-two acres of tent space were created for Ryder Cup corporate events, merchandise, concessions and media coverage.

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Darren Harris: Better time management

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Jeffrey Brauer: Practice facility guidelines

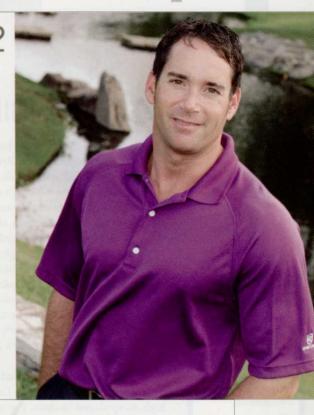
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Pat Jones: The future is now



FOLIO: EDDIE AWARD GOLD WINNER GOLF COURSE

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PREPARING FOR THE RYDER CUP: BY THE NUMBERS

A look at Valhalla Golf Club's efforts to prepare for the tournament.

ONLINE POLL

How important is diversity in the industry? Visit the GCI home page to cast your vote.

AIR IT OUT

Voice your opinion about a topic or bring attention to something you believe deserves it. Visit our message board at www.golfcourseindustry.com/messageboard and speak your mind.



GCI PODCAST

John Walsh, editor of GCI, interviews Roots' Scott Inman about biologicals and overall turfgrass health. Visit our home page and click on the podcast icon to listen.

EDITORIAL MISSION STATEMENT:

Golf Course Industry reports on and analyzes the business of maintaining golf courses, as well as the broader business of golf course management. This includes three main areas: agronomy, business management and career development as it relates to golf course superintendents and those managers responsible for maintaining a golf course as an important asset. Golf Course Industry shows superintendents what's possible, helps them understand why it's important and tells them how to take the next step.