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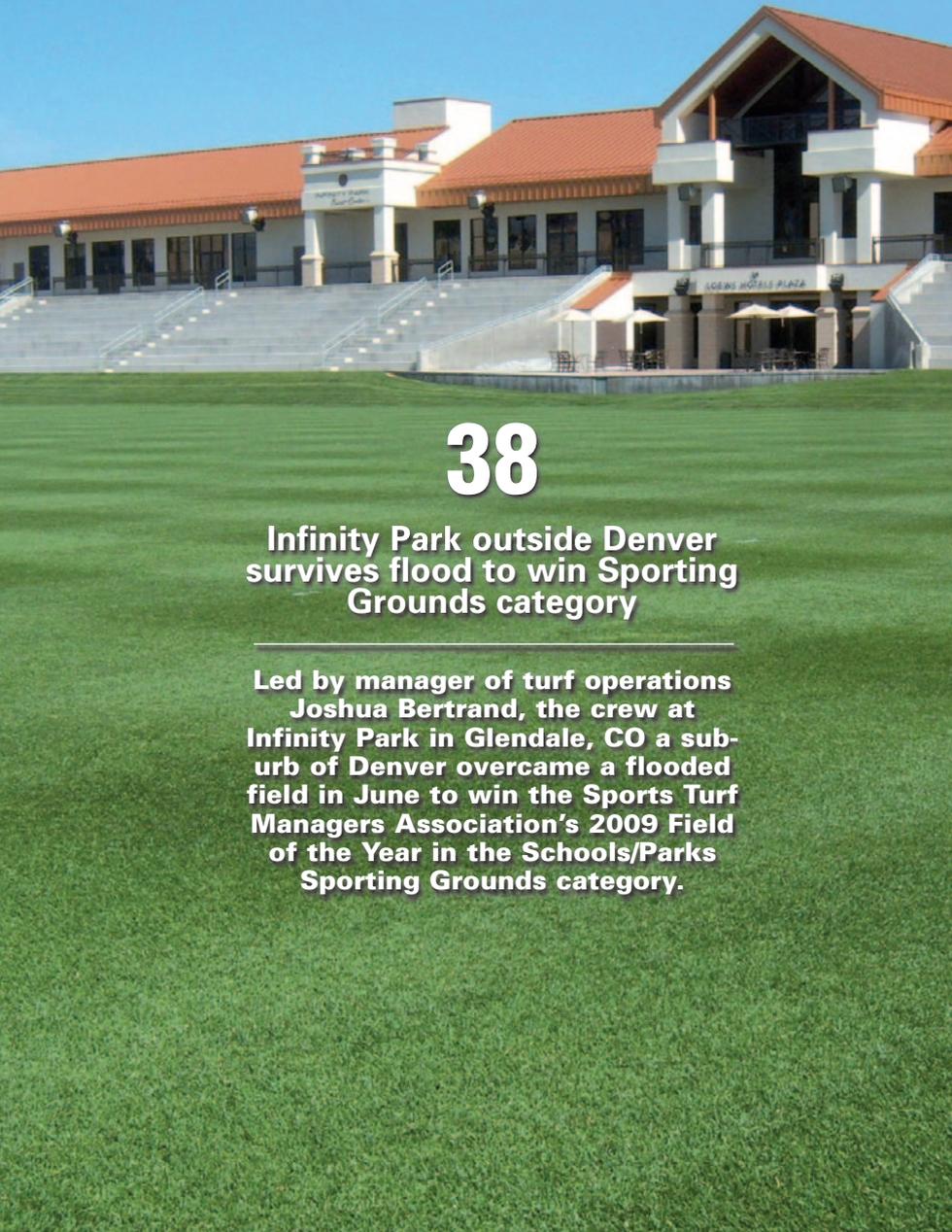
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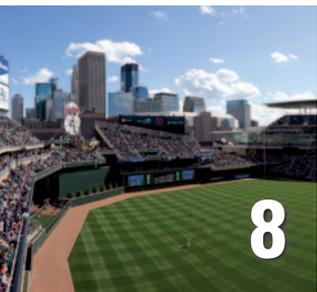
SportsTurf



38

Infinity Park outside Denver survives flood to win Sporting Grounds category

Led by manager of turf operations Joshua Bertrand, the crew at Infinity Park in Glendale, CO a suburb of Denver overcame a flooded field in June to win the Sports Turf Managers Association's 2009 Field of the Year in the Schools/Parks Sporting Grounds category.



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On the cover

Posing on Infinity Park's rugby pitch: Top row, L to R: Bobbi Reed, General Manager, holding Jackson



Bertrand; Shelby Norris; Mackenna Norris; Linda Cassaday, Deputy City Manager; and Jenna Anderson, Youth Coordinator and Lady Raptor. Bottom row: Andre Bachelet, Rugby High Commissioner and Raptor; Megan Bertrand; Josh Bertrand, Manager of Turf Operations; Caroline Bertrand; and Raptor Mike Tafel.

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From the Sidelines



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Education pays off

On page 22 of this issue is an article entitled “Value of hands-on education” written by Troy McQuillen, an assistant professor in the Golf Course Athletic Turfgrass Management program at Kirkwood Community College, Cedar Rapids, IA. In it he describes how Kirkwood intertwines course work with practical in-the-field experience to produce graduates “who are ready to enter the workforce” as Professor McQuillen puts it.

McQuillen says that while education comes in many different forms, there is an increasing value being discovered through use of hands-on; his description of Kirkwood’s program is good reading for educators and students alike.

Though we’ve heard the phrase “value of education” enough times to have it go in one ear and out the other, like “eat your vegetables,” you can’t get around the fact that educating yourself most often leads to better, more interesting jobs and potential for increased salary.

I have a relative through marriage who would like to teach at a regional technical college near his home. This guy is bright; he’s a commercial pilot, runs another business from his home, and managed a successful garage/machine shop for many years. He’s more than qualified to pass along his knowledge and experience to another generation—but he never earned a degree beyond high school. And even though the college would like to hire a guy with his skills, by law they can’t because he doesn’t have the needed credential.

Here’s another illustration of how working on those credit hours might pay: During the STMA Conference awards night last January, Dr. Tony Koski of Colorado State received the Dr. William Daniel Founders Award, which represents excellence in turf education and research. While accepting his award, Dr. Koski pointed to numerous “Rams” in the audience whom he had as students, including STMA Past President Abby McNeal, CSFM, and STMA President-Elect Troy Smith, CSFM. Think there’s a link between great teacher, motivated student and successful careers? You betcha.

And access to classes has never been easier, with the caveat of course that furthering your education costs money. I won’t bore you with numbers but suffice to say, spending some cash for a degree, whether it’s a 1-year, 2-year, 4-year whatever, truly is an investment in your future that can pay off later.

GILLEN IS NEW STA PRESIDENT

Paul Gillen, president of AerWay, recently was elected President of the Sports Turf Association. Paul is a long-time supporter of this magazine, the STMA, and related events and charities.

“This is an exciting time for the STA as we look to grow into the future. We are fortunate to have very knowledgeable and dedicated people serving on the STA board,” Paul said. “I look forward to working with them and learning from them as we work hard to fulfill the needs and mandates of our membership.”

SportsTurf

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President's Message

Chris Calcaterra,
CSFM, CPRP

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Take care of yourself in tough times

The old adage "When the going gets tough, the tough get going" is so evident in today's economy. I see examples of our members not only doing more with less, but implementing field management plans that have *eliminated* fundamental practices. Although this is definitely **not** a good thing, the silver lining is that budget reductions have challenged all of us to be more innovative in our day-to-day practices.

That innovation can also have a profound impact on the future of our facilities, if we take the opportunity now to define that future. When things seem overwhelming, conducting strategic planning within your organization can help to open up future possibilities. A strategic planning exercise can also help to set priorities and retool your operations now to achieve short- and long-term successes. An example of this within our own organization is our SAFE Foundation. Charitable giving was down this year, which has affected SAFE. That organization's Board of Trustees just spent several days in a strategic vision session to design a new future for our Foundation. You'll hear more in the coming months about SAFE's strategic direction.

Now is also the time to focus on you. The stress of managing your facilities with fewer dollars and personnel can take its toll on your personal and professional lives. Faced with too much to do with too few resources can be unbearable and can cause inaction. A way to move beyond these difficulties is through professional development. Make a commitment to spend just 15 minutes a day learning something new that will positively affect your career. An easy place to start is STMA's website, www.STMA.org. The Resources tab on the public side has very rich technical content, and the Members Only side offers even more, including a Career Center.

Members typically use the Career Center to check out job openings or find an assistant or intern. We've added career enhancing articles and comprehensive job descriptions for a Sports Turf Manager and an Assistant. I encourage you to share these position descriptions with your Human Resources department. Although you may not be responsible for every function listed in the descriptions, these are meant to be very comprehensive and position you as the expert and a professional.

The STMA is committed to continuing to enhance the website. As you navigate around the website, please let us know what information and educational resources would be valuable to you. Also, please evaluate how easy to use you find the website. We are at the beginning of a website redesign and welcome your input. Please contact headquarters with your suggestions.

I hope your spring season has been successful and that you are ready for the challenges of summer sports. Remember that we have the perfect opportunity to create our futures now. If you can envision it, you can make it happen!



Photo by Wayne Kryduba, Minnesota Twins

Target Field opens in Minneapolis

ON APRIL 10, 2010 what started as a dream years ago for the Minnesota Twins will become reality. Target Field in downtown Minneapolis opened its gates for its first-ever Opening Day. There has been a lot of excitement throughout the Twins community as well as in Major League Baseball. No more indoor baseball after 30 years. It is exciting for Twins, as well as the players, fans, and everyone who likes the great outdoors of the National Pastime.

The process was all but dead before it finally began. There was discussion of

selling the team and relocating. There was even the rumored possibility of league contraction with the Twins. Finally, after the negative alternatives were dismissed, a positive outcome of a new open air stadium venue was decided upon and plans began for the yet-to-be-named Target Field.

Initial groundbreaking began more than 3 years ago in an old parking lot at the edge of downtown Minneapolis. In fact, one section of the parking lot remained within the ballpark internal playing field until it was excavated in June of 2009. It was to be used as a surface for off loading of the large precast concrete forms to construct the

seating bowl of the ballpark.

Sports Fields, Inc. of Canton, GA was selected by Mortenson Construction and the Twins to tackle the huge, time-constrained undertaking for building the playing field for the Twins. In normal circumstances, the entire area of the playing field subgrade is cleared and ready for construction process to begin. However, Target Field was no ordinary circumstance. Large cranes would occupy the playing field area. Only center-field and right field would be available at the beginning of the playing field construction. Space was extremely limited outside the ballpark due to the dense development of the urban city that had existed for years prior.

Due to these conditions, the performance of all major construction activities such as seating, lighting, and concessions had to be performed from the future playing field surface.

In close coordination with Mortenson, the Twins Head Groundskeeper, Larry DiVito, and several other subcontractors, we were able to alter the field construction activities to accommodate the conflicting conditions without compromising the extremely demanding schedule. The constant need for perfection that coincides with professional sports continued to be a challenging obstacle to fulfill with consideration to the aggressive duration of the field installation.

Without hesitation, the process of establishing the subgrade began. It was discovered through the geotechnical reports that existing soil present on the site was not suitable for subgrade fill, and therefore would



Target Field would then become one of the only MLB stadiums to have a state of the art **hydronic heating system** which was designed to accommodate the seasonal shading of the field.

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have to removed and disposed off site. Next, 18 inches of select fill was to be installed, compacted, and laser graded. Additionally, it was also tested and approved to meet the stringent specifications of the field design.

Following the select fill, installation of subsurface drainage began. Cranes still occupied the infield and left field sections, therefore the centerfield and right field sections were completed first. Drainage laterals were installed using 6-inch perforated HDPE pipe connected to an 18-inch solid HDPE collector from the field access gate in left field to first base.

In addition, a looped 18-inch collector line would encircle the entire playing field and connect to a concrete drainage detention vault just in front of the bullpens in left center field. Once the drainage installation was completed then it was time for irrigation installation in the NE and SE sections. After installation of a geotextile fabric over the subgrade, a 4-inch depth gravel blanket was installed above the select fill, drainage, and irrigation piping.

As the erection of the precast continued in a clockwise direction throughout the bowl, the use of cranes would decrease as the final sections of left field were completed.

According to original schedule, the last crane was to be disassembled and transported off the field on August 20, 2009. Realizing that this date would not allow adequate sod establishment before winter, Mortenson achieved an actual date of July 30, which allowed the field construction to begin before the original scheduled date. Good weather, diligent execution by experienced contractors, and a lot of hard work allowed an early finish for this section of the playing field.

Target Field would then become one of the only MLB stadiums to have a state of the art hydronic heating system which was designed to accommodate the seasonal shading of the field. We and our team designed and installed approximately 38 miles of Pex tubing, control valves, and header pipe above the pea gravel layer. The tubing would be filled with around 8,000 gallons of a 40% glycol solution to prevent freezing during Minnesota winters and carry heat to the rootzone for optimum growing temperatures during the fall and early spring. The process will also keep the ground from freezing solid during the harsh Northern winters.

The rootzone mix profile is 10 inches in depth composed of a specially blended mix that is 97% athletic sand and 3% peat. The

selected sand was different from the typical USGA specification that normally is the industry standard and the change was made at the direction of the architect, Populous, and the Twins in order to more closely replicate the characteristics of the rootzone on the custom grown bluegrass sod.

According to the project specifications, the sod installation was to be completed within 24 hours of harvest. This duration included an 830-mile refrigerated truck journey originating in Colorado. Additionally, the Twins requested the sod installation not to occur to the peak daytime temperatures. The sod deliveries were received late in the afternoon with installation occurring throughout the night.

After sodding was complete in late August all that remained were the finishing touches on the infield skin, warning track, and mound. Each layer was laser graded, compacted and surveyed for a total of five times through all the lifts to meet the exacting tolerances. ■

Steve Peeler is the Director of Sports Field Project Management, Sports Fields Inc., Canton, GA.

NTEP requests your participation and comments

THE NATIONAL TURFGRASS EVALUATION PROGRAM (NTEP) wants to hear from its



customers. An eight question survey is now posted on the NTEP web site at www.ntep.org/contents2.shtml. NTEP wants to know where you are from, what cultivar information is important to you, why you visit the NTEP site, and how NTEP may improve its data presentation. There are also several opportunities to provide comments on NTEP's programs and services.

The survey is a new vehicle in NTEP's efforts to better connect with its customers, step one being finding out more information about who visits the NTEP web

site and why. This survey will help NTEP redefine its programs, data collection and presentation methods, to provide the best information for customers and clientele. NTEP will share the results of its survey with anyone that provides contact information when completing the survey.

NTEP, established in 1981, coordinates evaluation trials and publishes objective data on turfgrass performance. For additional information on NTEP or the trials, visit <http://www.ntep.org> or contact Kevin Morris, NTEP Executive Director, at (301) 504-5125.

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