



K&W
ATHLETICS

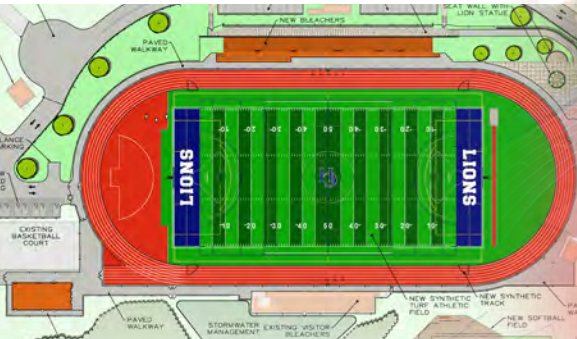
DESIGNING ENVIRONMENTS FOR *PERFORMANCE*



ATHLETIC FACILITY PLANNING & DESIGN

kandwengineers.com :: 717.635.2835 :: cdubois@kandwengineers.com

FROM CONCEPT TO COMPLETION



K&W CAN HELP YOU CREATE THE RIGHT GAME PLAN to address any athletic facility need.

We offer an experienced team of site designers, civil engineers, landscape architects, geotechnical specialists and surveyors to manage your project from the earliest planning stages through construction closeout.

**MASTER
PLANNING**

**DESIGN &
SPECIFICATIONS**

**CONSTRUCTION
ADMINISTRATION**

**PROJECT
CLOSEOUT**

OUR AWARD-WINNING DESIGNERS

have decades of experience creating cost-effective, high-performance facilities for colleges, universities, public and private schools, community organizations, and private clubs. We understand the complexities that surround athletic facility projects and the importance of strict design and construction schedules. Our experts guide clients through collegiate and high school sports facility standards and provide recommendations for the best playing surfaces, equipment, and cost-saving strategies.

We provide all of the site design services needed for a successful project:

- Master Plans and Feasibility Studies
- Site Selection and Land Development
- Renderings and Capital Campaign Support
- ADA, Parking and Pedestrian Circulation
- Stormwater Management Design
- Regulatory Agency Approvals
- Construction Documentation
- Contract Administration

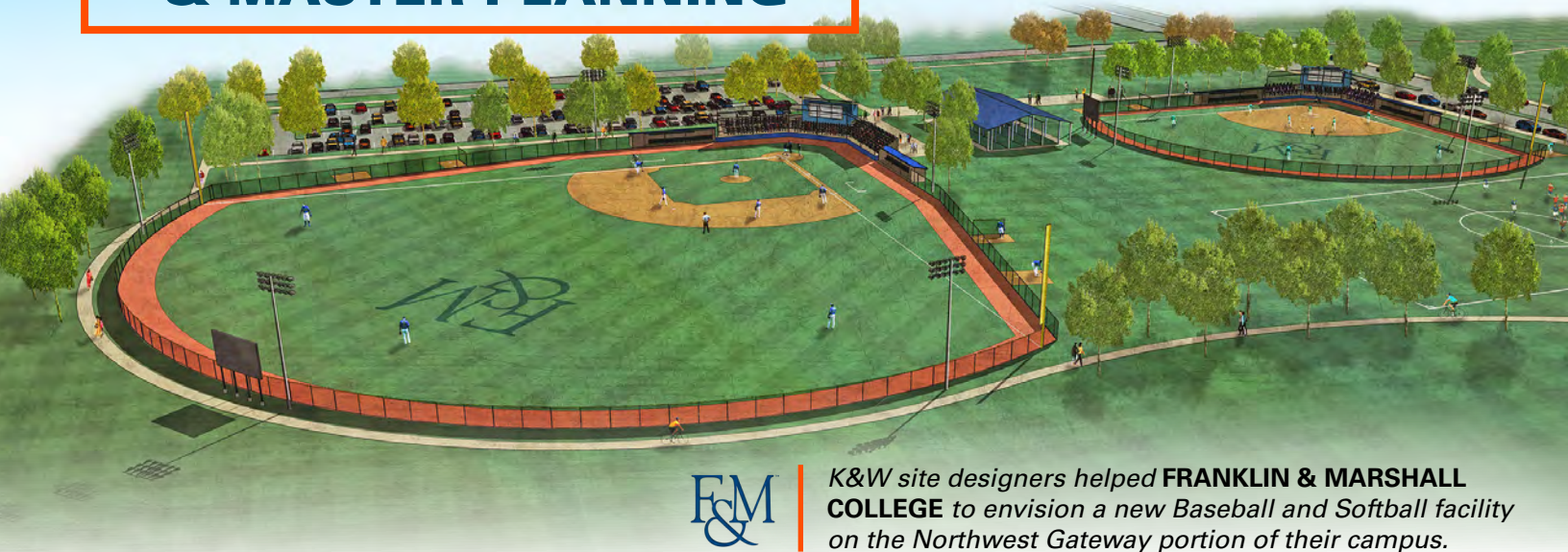


You were like one of the team collaborating and steering us to the most appropriate solutions to our design issues. The result was a Camp Hill Stadium that is one of the most unique in Central PA—not the typical cookie-cutter facility.”

— Gregory S. Chelap—Camp Hill Borough Steering Committee



FEASIBILITY STUDIES & MASTER PLANNING



K&W site designers helped **FRANKLIN & MARSHALL COLLEGE** to envision a new Baseball and Softball facility on the Northwest Gateway portion of their campus.

EVERY GREAT PROJECT STARTS AS AN IDEA.

We carefully assess your current facilities, exploring options and costs, and working with you to make the best decisions for your athletes and your budget.

A PICTURE IS WORTH A THOUSAND WORDS...

From hand-drawn sketches to rendered site plans and computer-generated models, our designers help you to communicate your vision and build support for your project.

Lebanon Valley College



LEBANON VALLEY COLLEGE, Tennis Facility,
Rendering by Marc Singley, RLA



STADIUMS & ATHLETIC FIELDS



© Crabtree Rohrbaugh & Associates — Architect

K&W IS WELL-VERSED IN THE DESIGN OF STADIUMS AND ATHLETIC FIELDS FOR ALL TYPES OF SPORTS.

From the right playing surface, to ADA compliance, grandstands, lighting, parking and other amenities, we help clients create inspiring venues that meets their needs and their budget.

OUR DESIGN EXPERTS::

- Evaluate existing field conditions
- Analyze locations for new fields
- Provide opinions of probable cost
- Help clients select the right natural grass or synthetic turf system
- Prepare design & bidding documents
- Handle permitting and approvals
- Oversee proper installation

NATURAL GRASS

The success of a natural grass field begins with the design. A blend of topsoil and organic material is the foundation for a healthy stand of athletic field grass. Proper drainage, pitch, and seed mix are also critical. Our experts consider all of these design variables, along with the anticipated levels of use and maintenance.

Complete renovation of the grass field at EAST PENNSBORO AREA SCHOOL DISTRICT'S stadium resolved drainage and grading issues resulting in safer playing conditions.





PENN STATE HARRISBURG
New Soccer Stadium with Multisport Synthetic Turf Field



SYNTHETIC TURF

Durable synthetic turf fields designed for multiple sports are helping clients keep up with the increasing demand for athletic field space. Our experts stay on the cutting-edge of synthetic turf technologies and guide clients through system and design options to ensure that their turf meets athlete safety and performance standards. K&W can also assist with the ecologically responsible removal of aging synthetic turf fields.



**INDIANA UNIVERSITY
OF PENNSYLVANIA**
Synthetic Turf Replacement

K&W replaced the synthetic turf field at **IUPUI's George P. Miller Stadium**. Designers **integrated a new trench drain system while not damaging the existing track** that surrounded the field.



TRACK & FIELD

K&W offers extensive experience in the design of state-of-the-art, competition-level track and field facilities.

Our staff is actively involved in the American Sports Builder's Association (ASBA). We are on the Running Tracks Committee and serve as a judge for ASBA's National Awards Program.

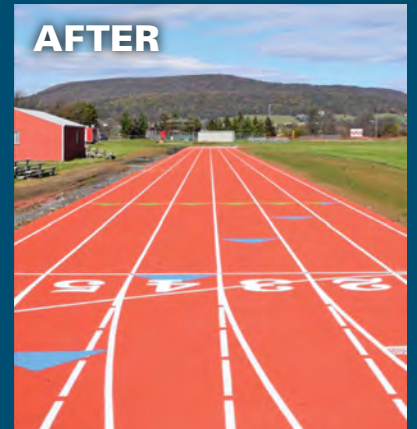
We know how to **design new track surfaces and event areas that provide optimal performance.** Our experts conduct a detailed evaluation of existing track surfaces to determine the proper means, procedures, and products to create the highest quality resurfacing result for the greatest possible value.



BEFORE



AFTER



TENNIS COURTS

Our designers know how to properly plan new tennis facilities and repair existing courts. We are on the leading edge of tennis court design, from hard surface court options such as asphalt or post-tensioned concrete, to the latest all-weather, color coated tennis surfacing systems.

We understand the best technologies for tennis court crack repair and can recommend appropriate renovation methods. Our designers can develop courts that also accommodate **Pickleball** and **Youth Tennis**.



BASEBALL & SOFTBALL

K&W's professionals are on the forefront of ballfield design, whether facilities utilize quality natural grass, infield mix, synthetic turf, or a combination of all three. Our designers help to determine the most appropriate surfacing for our clients' needs, considering the safety and accessibility of all participants as well as the project budget.

Our staff understands the subtleties and importance of a properly constructed field surface and surrounding amenities, while providing an aesthetically pleasing ballfield. We bring experience with all facets of ballfield design, from playing surface detailing to dugouts, sports lighting, protective netting systems, scoreboards, and fencing.



Renovations to PENN STATE HARRISBURG'S Softball facility corrected drainage and slope issues and added amenities.



MEET AWARD-WINNING DESIGNER **CAROLYN E. DUBOIS, ASLA** LANDSCAPE ARCHITECT / ATHLETIC FACILITIES SPECIALIST

Carolyn's 35-year career includes **more than 90 athletic facilities** for colleges and universities, K12 schools, professional sports teams, municipal, and private clients. Her work spans new and renovated stadiums, baseball and softball facilities, fields, tennis courts and running tracks. She has designed numerous softball and baseball complexes, including landmark projects for Penn State and the University of Pittsburgh.



Medlar Field at Lubrano Ballpark



Beard Field — New Softball Venue



Petersen Sports Complex— Baseball



WE CAN MAKE YOUR VISION **A REALITY**

- Develop design solutions that achieve your goals
- Establish a realistic schedule to get facilities open on time
- Select durable materials and equipment while controlling costs
- Secure permits and approvals from local agencies
- Create high-quality design documents to guide contractors
- Navigate the bidding process to ensure the best price
- Monitor construction to ensure quality materials and proper installation

The **RESULT**—athletic facilities that improve safety, enhance **PLAYABILITY** and inspire **PERFORMANCE** for years to come!

GET STARTED with a free on-site
evaluation of your athletic facilities.

Contact :: Carolyn DuBois, ASLA :: 717.635.2835 :: cdubois@kandwengineers.com