CONTRIBUTORS

EXECUTIVE GROUP

Sandy Barbour, Director of Athletics
Lisa Berkey, Director, Design & Construction
Marv Bevan, Project Manager, Design & Construction
Mark Bodenschatz, Associate Athletic Director, Facility & Event Operations Management
Phil Esten, Deputy Director of Athletics and Chief Operating Officer
David Gray, Senior Vice President, Finance & Business
Andrew Gutberlet, Manager, Engineering Services
Rick Kaluza, Senior Associate Athletic Director, Finance & Business Operations
Rod Kirsch, Senior Vice President, Development & Alumni Relations
Ford Stryker, Director, Planning, Facility & Event Operations
Gordon Turow, Director, Campus Planning & Design
Steve Watson, University Planner, Campus Planning & Design
Mark Wharton, Associate Athletic Director, Development
David Zehngut, University Architect, Campus Planning & Design

WORKING GROUP

Lisa Berkey, Director, Design & Construction
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Mark Bodenschatz, Associate Athletic Director, Facility & Event Operations Management
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Steve Watson, University Planner, Campus Planning & Design
Mark Wharton, Associate Athletic Director, Development
David Zehngut, University Architect, Campus Planning & Design

PROFESSIONAL CONSULTANTS

Populous – Planning, Architects
Buro Happold – Structural Engineer
CS&L / Legends – Market Analysis and Segmentation Consultant
Henderson Engineers, Inc. – Mechanical, Electrical, Plumbing Engineer
Howe Engineers – Code Consulting
Parker Olympvs – Track and Field Consultant
RK&K – Traffic Engineering Consultant
Rider Levett Bucknall (RLB) – Cost Estimator
Robert Trent Jones II – Golf Course Consultant
Sweetland Engineers – Civil Engineer
Venue Solutions Group – Facilities Assessment and Game Day Consultant
STAKEHOLDER GROUPS

Ability Athletics
Academics
Athletic Training
Baseball
Men's Basketball
Women's Basketball
Big Ten Network
Biomechanics
Bookstore / Merchandising
Building Managers
Business Relations and Communication
Bryce Jordan Center Management
Campus Planning & Design
Campus Recreation
Campus Sustainability
Center for Lifespan Performance and Fitness
Center for Turfgrass Science
College of Arts and Architecture
College of Business
College of Engineering
Compliance
Concussive Research
Customer Relations Center
Creative Services
Men's Cross Country
Women's Cross Country
Development
Dining Services
Event Managers
Men's Fencing

Women's Fencing
Field Hockey
Finance and Business
Food Service & Concessions
Football
Men's Golf
Women's Golf
Golf Course Management
Health & Human Development
ICAPublic Safety Team
IMG Ticketing Sales
Men's Gymnastics
Women's Gymnastics
Men's Ice Hockey
Women's Ice Hockey
Kinesiology
Men's Lacrosse
Women's Lacrosse
Marketing
Nittany Lion Club
Penn State Sports Properties
Performance Enhancement
Physical Plant
Men's Rugby
Women's Rugby
Men's Tennis
Women's Tennis
Ticketing
Men's Track & Field
Women's Track & Field
Men's Soccer
Women's Soccer
Softball
Sports Nutrition
Sports Medicine
Sports Psychology
Strategic Communications
Student Affairs
Student Athletic Advisory Board (SAAB)
Student-Athlete Performance, Health and Welfare
Men's Swimming & Diving
Women's Swimming & Diving
Transportation Services
Ticketing Sales and Service
Men's Volleyball
Women's Volleyball
Videography
Wrestling
The last integrated facilities master plan for Penn State Intercollegiate Athletics was created in 1996. It established the vision for facilities such as the Multi-sport Facility, Lasch Football Building, Medlar Field at Lubrano Park and Nittany Lion Softball Park, among others. Some projects from that plan remain deficient in meeting the demands of students, varsity teams and the community more than 20 years later. Examples of these deficits would include the Indoor Tennis Center and McCoy Natatorium.

Between 1996 and 2016, ICA led the development of a series of venue specific and/or sport specific facility plans. These proposed projects exceeded a combined billion dollars. Progress was made on many of the plans, but most remained aspirational.

In the Fall of 2015, under new leadership and an eye towards a successful future, a comprehensive facilities master plan was launched with several specific goals and intended outcomes:

- Identify opportunities for our physical infrastructure to play a strategic role in delivering a first-class student-athlete experience, while enhancing the fan experience
- Evaluate and recommend, where appropriate, improvements to all buildings on campus that are partially and fully occupied by ICA units
- Provide ICA with a comprehensive road map for the future with a phased implementation strategy that is responsive to current needs, economically viable/justifiable, and flexible to adjust to the dynamic and fluctuating environment of the intercollegiate athletics industry
- Define a proper sequencing approach as projects dependent upon one another are considered
- Compare a complete renovation of Beaver Stadium into a modern football stadium with construction of a new state-of-the-art football stadium
- Conduct a market analysis and evaluate possible opportunities to finance all or a portion of the projects
- Support decision criteria, including:
  - Student-athlete health, welfare and success
  - Centralization of services and resources
  - Competitive and recruiting impacts
  - Regulatory and equity issues
  - Revenue generation and operational efficiencies
  - Safety and risk
  - Stakeholder experience
Student-athletes are the nucleus of Penn State Intercollegiate Athletics. They are our primary purpose, our “Why.” All decisions are viewed through the lens of student-athlete health, welfare and development and everything we do considers their best interests.

Our vision, as stated in our recent strategic plan, is “Preparing students for a lifetime of impact.” We strive and create comprehensive excellence academically, athletically, and socially by building mind, body and spirit.

At Penn State, the smiles of pure joy are no broader holding a championship trophy than they are holding a diploma, a job offer letter or acceptance to graduate school, or the smiles of others touched by a life well lived. This describes a lifetime of impact and it is an experience underway for our 800 students who play in all 31 varsity programs.

Out of this core focus of student-centered programs, a series of secondary purposes emerge. Institutional pride and competing at the highest level is as important to today’s students as it is to the passionate and loyal alumni and fans. We engage these constituents to create unmatched atmospheres within our competition venues. In addition to providing simple entertainment, these unsurpassed experiences become memories that are shared and relived for decades. Enhancing these experiences through technology and widening the variety of tailgating, seating and viewing options are essential to meeting the needs of today’s savvy and passionate spectator.

Another secondary purpose is practical economics. We acknowledge that our events are a tremendous economic driver for our community. Local hotels, restaurants and businesses thrive on the supportive crowds who make weeknight or weekend events. Closer to home, revenue that is generated through ticket and parking sales are resources we invest back into supporting the student-athletes. Even the University benefits directly and indirectly from the activities of Intercollegiate Athletics.

While there are others, one additional purpose for the master plan is Penn State’s role in our conference and national association. Penn State plays a substantial role within the Big Ten Conference and the NCAA. The governance of intercollegiate athletics keeps the playing field level and the focus on the student-athlete welfare and development. We enthusiastically support these missions.

The physical facilities for the training, care, and competition of our student-athletes play a crucial role in meeting our vision and the secondary purposes we enthusiastically embrace. To meet our mission and purpose, our facilities must be serve the needs of many, from our unbelievably talented student-athletes to the most passionate fans in college athletics...Penn Staters!

Our success depends on our ability to recruit student-athletes of character, who are highly motivated by academic and athletic achievement. Success breeds success, but we must not fall victim to complacency or arrogance. The climate has changed in recruiting as much as it has in admissions for the general student.

Students are more informed today and are looking for a commitment to care for them as individuals as much as we care for them as students-athletes.

Penn State is committed to state-of-the-art facilities in the areas of academic support, strength and conditioning, medical training and rehabilitation, nutrition and sports science to create conditions for success and comprehensive excellence.

This comprehensive facility master plan lays a foundation within the vision of how our facilities can strategically support our core purpose as we endeavor to positively impact the lives of our students and the entire Penn State Community.

Sandy Barbour
Director of Athletics
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EXECUTIVE SUMMARY
The Penn State University (Penn State) Athletics Facilities Master Plan is a long-term vision focusing on the needs of student-athletes and an enhanced experience for all fans, donors, alumni, staff and students. The master plan creates a strategy to address year-round needs, enhancing the game day experience and integrating the facilities within the Penn State campus in a more intentional manner. The master plan approach includes understanding the condition of the existing athletic facilities, assessing current programmatic needs, forecasting future needs, developing a long-range master plan and cost estimates associated with each element. The Penn State Athletics Facilities Master Plan represents a significant component of the broader university context because of its expansive geographic scale, its iconic architectural presence, and its galvanizing force for a wide cross section of the Penn State community. This plan defines a multi-layered framework for the Intercollegiate Athletics (ICA) program to expand in scope and to improve in efficiency. At the same time it also identifies specific strategies to guide this incremental growth according to design principles rooted in one of the country’s finest collegiate campus environments.

The patterns and usage of collegiate sports facilities - especially at the scale and caliber of Penn State - are unique and complex, by their very nature. This master plan anticipates the diverse array of student-athletes, as well as fans who push these venues to their limits. It also plans spaces and systems to handle shoulder-to-shoulder football crowds on Saturday afternoons that can quickly transition to handle Monday morning classes. This athletic master plan is designed for multiple user groups, multiple circumstances, and multiple environmental conditions.

Penn State Athletics significantly contributes to the aesthetics and national prominence of the University. The master plan vision and approach to facilities supports the vision of the athletic administration and the guiding principles for Penn State University. The majority of campus is located south of Park Avenue, east of South Atherton Street, west of University Drive and north of College Avenue. Athletic facilities are located within this area on the east side as well as east of University Drive including the notable Beaver Stadium and Bryce Jordan Center. The master plan addresses an approach to service 31 sports, over 850 student-athletes, 23 venues and 300 administrators/staff/coaches.

While the previous ICA master plan, published nearly 20 years ago, provided general recommendations for facility growth and expansion, this document takes a more comprehensive approach that follows the structure of the current University Park Campus Master Plan. Beginning with an extensive phase of facility analysis, stakeholder interviews, and project programming, this ICA master plan outlines an integrated approach to architecture, land use, open space, bicycle circulation, pedestrian circulation, vehicle circulation, transit, parking, and utility systems.

Just as the overall University Park campus is anticipated to grow over the upcoming decades, the comprehensive infrastructure of ICA’s fields, practice venues, competition venues, and ancillary development is also expected to grow. Like several buildings on main campus, many of the sports facilities are aging, overcrowded, and even obsolete in some cases. Working within the same basic footprint of the current athletic district, this plan formulates recommendations that leverage existing assets as much as possible. In some cases, existing buildings such as the Multisport Indoor Facility are recommended to be expanded or renovated. In other cases, such as the Natatorium, a cost/benefit analysis has led to a recommendation for demolition, due to inherent building limitations, followed by the development of a new venue. And in other cases, such as Beaver Stadium, the recommendation calls for an in-situ phased reconstruction of most of the facility.

In all cases, the emphasis of this plan is to build upon the successes of previous plans that have defined the unique character of Penn State by:

• Recommending architectural strategies that respond to materials, form, and articulation of campus precedents;
• Improving efficient operations for building and circulation systems, with multiple constituent groups in mind, during event scenarios and non-event scenarios;
• Establishing design strategies that promote synergistic views of surrounding buildings and landscapes;
• Creating pedestrian-scale public spaces that also cater to increasing facility security requirements; and
• Ensuring flexibility for growth and expansion, including venue, transportation, and parking infrastructure.
EXECUTIVE SUMMARY

METHODOLOGY & CHRONOLOGY

The master plan design team led by Populous was selected in August 2015. Visioning sessions with the master plan committee helped establish a vision for the study process and future decision making. These sessions identified numerous goals and objectives for the master plan to address, and are listed below.

Between September 2015 and January 2016, numerous information-gathering and needs assessment activities were completed, including meetings with students, staff, athletic administration, University administration and faculty; market demand and survey analysis; facility condition assessments of existing facilities and fields; Beaver Stadium game day review; planning and transportation guidelines; and review of the Penn State Campus Master Plan. Town Hall meetings were conducted and held by Penn State Athletics in February 2016.

Information collected was analyzed and served as the basis for initial facility program development for Penn State review. Populous team members accompanied by athletics and/or design and construction staff met with more than 80 user groups, including all varsity coaching staffs, senior athletic administrators, support staff and University staff. Discussions regarding current operations, current and future needs, recruiting, desired adjacencies, challenges and other goals were documented in meeting notes for review and confirmation. All of the groups engaged in these meetings can be found in the Contributors section of this document.

Testing of ideas related to potential planning began in early 2016. Historical construction cost information was collected and reviewed with Penn State to assist in a better understanding of potential investment cost parameters. Approximate cost information assisted in educated decision making on approaches to facilities. Concept designs were refined as decisions were made. Rough order of magnitude cost estimates were created based on conceptual designs of each facility along with input from engineers on facilities such as Beaver Stadium.

PENN STATE ATHLETICS FACILITIES MASTER PLAN TIMELINE

1. Summer 2015 RFQ Selection Process began
2. August 2015 Populous Selected
3. September – October 2015 Facility Assessments / Existing Document Collection
4. September 2015 Master Plan Kick-Off
5. October 2015 – February 2016 Premium Seat Market Study
10. February 2017 Master Plan Release
EXECUTIVE SUMMARY

ATHLETICS FACILITIES MASTER PLAN GOALS

The master plan approach is to centralize as many services as possible to ease the student-athletes schedule and time demands. This approach places sports medicine, nutrition, performance enhancement, academics and athletic administration in one area. The addition of a second indoor practice facility will help all sports schedule critical practice time during the cold months within appropriate hours of the day. As many of the existing buildings that can be renovated to industry standards and needs will be and new facilities will be built where it makes the most sense. The existing campus landscape vernacular will be extended into the athletic facility district utilizing campus planning guiding principles and standards including plant materials, setbacks and hardscape. The overarching athletic goals for the master plan include the following philosophies:

• Centralize services for student-athletes
• Increase visibility of athletic administration to student-athletes and visitors
• Improve all training facilities to optimize all aspects of student-athlete development
• Improve all competition facilities to provide the best spectator experience
• Follow Penn State’s Campus guiding principles
• Inform the current campus master plan

PENN STATE CAMPUS GUIDING PRINCIPLES

1. Campus planning (land use and spatial organization)
2. Campus character
3. Vibrant and student centered campus
4. Sustainable campus
5. Multi-modal transportation, circulation, and parking
6. Community integration

ATHLETICS FACILITIES MASTER PLAN PRIORITIES

Overarching priorities and objectives for the Athletics Facilities Master Plan were determined through a focused visioning session with the executive group. The priorities were used to guide the design team in their preparation of the Penn State Athletics Facilities Master Plan, and helped inform the overall master plan goals.

• Create a vision for the future and an achievable, well-defined plan;
• Tell the “story” of Penn State Athletics;
• Provide a “Big Idea” for Penn State Athletics;
• Create strategic sequencing and long-term value;
• Identify the most impactful opportunities for positive change;
• Define the Penn State athletics district;
• Centralize facilities and share infrastructure;
• Increase ICA’s visibility and proximity to all student-athletes, in order to facilitate better connections and interactions;
• Support a high-performance culture;
• Consolidate dining, academic support, training, and competition functions;
• Establish clear design strategies for Beaver Stadium and other competition venues;
• Develop fund raising materials to share with donors;
• Find our Wrigley Field rooftop;
• Identify how Beaver Stadium may be used for more events than just football;
• Collect, analyze, and interpret relevant data to drive athletic master plan decisions;
• Encourage a comprehensive approach to the sustainable design of both constructed and natural systems; and
• Enhance the overall tailgate functionality and experience.
## EXECUTIVE SUMMARY

### PENN STATE VARSITY SPORTS

The master plan design team studied the facilities for all varsity sports teams at Penn State.

<table>
<thead>
<tr>
<th>Men's Sports</th>
<th>Women's Sports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseball</td>
<td>Women's Basketball</td>
</tr>
<tr>
<td>Men's Basketball</td>
<td>Men's Cross Country</td>
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<tr>
<td>Men's Fencing</td>
<td>Women's Fencing</td>
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<tr>
<td>Football</td>
<td>Field Hockey</td>
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<tr>
<td>Men's Golf</td>
<td>Women's Golf</td>
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<tr>
<td>Men's Gymnastics</td>
<td>Women's Gymnastics</td>
</tr>
<tr>
<td>Men's Ice Hockey</td>
<td>Women's Ice Hockey</td>
</tr>
<tr>
<td>Men's Lacrosse</td>
<td>Women's Lacrosse</td>
</tr>
<tr>
<td>Men's Soccer</td>
<td>Women's Swimming &amp; Diving</td>
</tr>
<tr>
<td>Men's Swimming &amp; Diving</td>
<td>Women's Swimming &amp; Diving</td>
</tr>
<tr>
<td>Men's Volleyball</td>
<td>Women's Track &amp; Field</td>
</tr>
<tr>
<td>Wrestling</td>
<td>Women's Volleyball</td>
</tr>
</tbody>
</table>

## EXISTING DOCUMENTS REVIEWED

The master plan design team reviewed the following documents provided by Penn State. These previous studies and plans were evaluated for the validity in today’s context and helped inform the design team in the development of this plan.

- Aquatics Center 2012
- Beaver Stadium Gate E Renovations 2011
- Beaver Stadium Renovation 2010
- Beaver Stadium Seating Capacity Chart
- Beaver Stadium Threat Assessment Master Plan 2009
- Beaver Stadium West Side Expansion Feasibility Study 2010
- Bicycle Master Plan
- Bryce Jordan Center Master Plan Feasibility Study 2011
- Field Hockey Feasibility Study 2010
- Golf Courses Master Plan 2010
- Greenberg Indoor Sports Complex Feasibility Study 2013
- Lacrosse Study 2011
- Lacrosse Stadium Seating Bowl Presentation 2012
- Lasch Football Building Feasibility Study (Includes Holuba Hall) 2014
- Indoor Tennis Center 2012
- Innovation Park Master Plan 2009
- ISES Reports
- Jeffrey Field Soccer Study 2012
- McCoy Natatorium Renovation Feasibility Study 2014
- Multi-Sport Indoor Track/Outdoor Track Master Plan 2009
- Office Space Guidelines
- Parking Map 2015
- Park Avenue Master Plan
- Penn State Campus Master Plan
- PSU Aerial Imagery
- PSU Football Traffic Plan 2015
- Penn State GIS Data
- PSU LEED Policy 2011
- PSU Access Enhancements 2010
- PSU Recycle Station
- PSU Room Numbering
- Rec Hall Master Plan 2013
- Site Utility and Site Improvements (Indoor Tennis & Aquatics Center) 2012
CONCLUSION

The Penn State Athletics Facilities Master Plan provides a roadmap for each of the facilities and is a tool to assist the University in continuing to provide the best opportunities for student-athlete success. The master plan encompasses NCAA Division 1 industry standards, university priorities, goals and objectives, Penn State traditions, campus guiding principles and student-athlete needs. The concepts set forth by this master plan are intended to assist the university in its pursuit to be competitive within the Big Ten Conference and nationally well into the future.

EXECUTIVE SUMMARY

PROPOSED MASTER PLAN FACILITIES

PROPOSED NEW FACILITIES

A. CENTER OF EXCELLENCE
B. INDOOR PRACTICE FACILITY
C. INDOOR TENNIS FACILITY
C.1 RECREATION TENNIS COURTS
D. ALL-SPORTS MUSEUM AND BOOKSTORE
F. OLYMPIC SPORTS TRAINING FACILITY
G. BASKETBALL TRAINING FACILITY
H. STADIUM WEST PARKING STRUCTURE
J. 400M OUTDOOR TRACK
K. NATATORIUM
L. FUTURE BUILDING OPPORTUNITY
M. EAST GOLF STARTER HOUSE
N. CROSS COUNTRY TEAM HOUSE
P. INDOOR GOLF PRACTICE FACILITY
Q. GOLF CLUBHOUSE
R. TAILGATE WOODS

PROPOSED UPGRADED FACILITIES

1. THE PENN STATE FIELD HOCKEY COMPLEX
2. SARNI TENNIS CENTER
3. LOUIS AND MILDRED LASCH FOOTBALL BUILDING
4. HOLUBA HALL
4.A NITTANY FIELD UPGRADES
5. PEGULA ICE ARENA
6. BRYCE JORDAN CENTER
7. PENN STATE LACROSSE FIELD
7A. MULTI-SPORT INDOOR FACILITY
8. BEARD FIELD AT NITTANY LION SOFTBALL PARK
9. JEFFREY FIELD
10. BEAVER STADIUM
11. MEDLAR FIELD AT LUBRANO PARK
12. RECREATION HALL (REC HALL)
13. CROSS COUNTRY COURSES
14. BLUE & WHITE GOLF COURSES

PROPOSED MASTER PLAN INFRASTRUCTURE PROJECTS

I/1. PEDESTRIAN PATHWAY ENHANCEMENTS
I/2. UNIVERSITY / DAUER INTERSECTION
I/3. NITTANY LION WAY
I/4. DAUER ROAD REALIGNMENT
I/5. STADIUM DRIVE ROAD

PROPOSED FACILITIES TO BE DEMOLISHED OR VACATED

E8. INDOOR TENNIS CENTER
E11. EAST AREA LOCKER ROOM
E17 MCCOY NATATORIUM
E18 WHITE BUILDING
E23 WALKER CLUBHOUSE

FACILITIES WITH NO WORK

E10. MORGAN ACADEMIC CENTER
E22. TOMBROS VARSITY CLUBHOUSE

CONCLUSION

The Penn State Athletics Facilities Master Plan provides a roadmap for each of the facilities and is a tool to assist the University in continuing to provide the best opportunities for student-athlete success. The master plan encompasses NCAA Division 1 industry standards, university priorities, goals and objectives, Penn State traditions, campus guiding principles and student-athlete needs. The concepts set forth by this master plan are intended to assist the university in its pursuit to be competitive within the Big Ten Conference and nationally well into the future.
This Overall Campus Plan shows the New Natatorium Building at two separate site locations. Site A is just north of the outdoor track along Dauer Road. Site B is at the current McCoy Natatorium Site at the corner of Bigler Road and Curtin Road. Penn State will conduct further analysis to determine the optimal Natatorium location taking into account budget, schedule, impacted user groups and impacts on the overall campus plan.
Overall Illustrative Campus Plan

Proposed New Athletic Facilities
Proposed New Athletic Facilities*
Proposed Upgraded Athletic Facilities
Proposed Non-Athletic Facilities

*This Overall Campus Plan shows the New Natatorium Building at two separate site locations. Site A is just north of the outdoor track along Dauer Road. Site B is at the current McCoy Natatorium Site at the corner of Bigler Road and Curtin Road. Penn State will conduct further analysis to determine the optimal Natatorium location taking into account budget, schedule, impacted user groups and impacts on the overall campus plan.
The Master Plan Projects Summary provides a brief overview of each project encompassing the Master Plan. Projects are organized into several groups:

- Proposed new projects are identified with a letter;
- Proposed upgraded facilities are identified with a number;
- Existing facilities that are being demolished, vacated, or have no work are identified with a prefix of 'E' followed by a number;
- Infrastructure projects are identified with an 'I' followed by a number.

Project naming throughout the Master Plan is subject to change and project names indicated are only used for planning purposes.

### A. CENTER OF EXCELLENCE
- **NEW FACILITY GROSS SQUARE FOOTAGE**: 450,423
- **DEPENDENT PROJECTS**:
  - EXISTING INDOOR TENNIS DEMOLITION
  - EAST AREA LOCKER ROOM DEMOLITION
  - NEW INDOOR TENNIS CENTER
  - NEW NITTANY LION WAY ROAD

### B. INDOOR PRACTICE FACILITY
- **NEW FACILITY GROSS SQUARE FOOTAGE**: 108,828
- **DEPENDENT PROJECTS**:
  - SELECT NITTANY LION APARTMENTS DEMOLITION
  - NEW NITTANY LION WAY ROAD

### C. INDOOR TENNIS TRAINING FACILITY
- **NEW FACILITY GROSS SQUARE FOOTAGE**: 97,804
- **DEPENDENT PROJECTS**: NONE

### D. ALL-SPORTS MUSEUM
- **NEW FACILITY GROSS SQUARE FOOTAGE**: 71,962
- **DEPENDENT PROJECTS**:
  - SHIELDS BUILDING DEMOLITION

### E. OLYMPIC SPORT TRAINING FACILITY
- **NEW FACILITY GROSS SQUARE FOOTAGE**: 123,661
- **DEPENDENT PROJECTS**: NONE

### F. BASKETBALL PRACTICE FACILITY
- **NEW FACILITY GROSS SQUARE FOOTAGE**: 74,141
- **DEPENDENT PROJECTS**: NONE

### G. BASKETBALL PRACTICE FACILITY
- **NEW FACILITY GROSS SQUARE FOOTAGE**: 140,400
- **DEPENDENT PROJECTS**:
  - BEAVER STADIUM
  - NATATORIUM AT SITE OPTION A

### H. STADIUM WEST PARKING STRUCTURE
- **NEW FACILITY GROSS SQUARE FOOTAGE**: 52,000
- **DEPENDENT PROJECTS**: NONE
<table>
<thead>
<tr>
<th>Project</th>
<th>New Facility</th>
<th>Gross Square Footage</th>
<th>Dependent Projects</th>
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<tbody>
<tr>
<td><strong>J. OUTDOOR TRACK</strong></td>
<td></td>
<td>356,680</td>
<td>Existing Outdoor Track Demolition</td>
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<tr>
<td><strong>K.A NATATORIUM</strong></td>
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<td>132,933</td>
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<td><strong>K.B NATATORIUM</strong></td>
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<td>132,933</td>
<td>McCoy Natatorium Demolition</td>
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<td><strong>L. FUTURE BUILDING OPPORTUNITY</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>M. EAST GOLF STARTER HOUSE</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>N. CROSS COUNTRY TEAM HOUSE</strong></td>
<td></td>
<td>6,078</td>
<td>Golf Course Reconfiguration</td>
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<td><strong>P. INDOOR GOLF PRACTICE FACILITY</strong></td>
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<td>13,377</td>
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<tr>
<td><strong>Q. GOLF CLUBHOUSE</strong></td>
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<td>49,459</td>
<td>Walker Clubhouse Demolition</td>
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<td><strong>R. TAILGATE WOODS</strong></td>
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# Penn State University

## Master Plan Projects Summary

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<td>Upgraded Facility</td>
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<td>None</td>
<td>None</td>
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</tr>
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### Notes:
- N/A: Not Available
- None: Not applicable

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**Penn State University**

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**UPGRADED FACILITY**

**GROSS SQUARE FOOTAGE**

**DEPENDENT PROJECTS**
8. BEARD FIELD AT NITTANY LION SOFTBALL PARK

7A. MULTISPORT INDOOR FACILITY

14. GOLF COURSES

13. CROSS COUNTRY COURSES

10. BEAVER STADIUM

11. MEDLAR FIELD AT LUBRANO PARK

12. REC HALL

UPGRADED FACILITY GROSS SQUARE FOOTAGE

DEPENDENT PROJECTS

191,468

UPGRADED FACILITY GROSS SQUARE FOOTAGE

NONE

30,952

UPGRADED FACILITY GROSS SQUARE FOOTAGE

64,783

UPGRADED FACILITY GROSS SQUARE FOOTAGE

101,729

UPGRADED FACILITY GROSS SQUARE FOOTAGE

N/A

UPGRADED FACILITY GROSS SQUARE FOOTAGE

N/A

UPGRADED FACILITY GROSS SQUARE FOOTAGE

N/A

UPGRADED FACILITY GROSS SQUARE FOOTAGE

N/A

UPGRADED FACILITY GROSS SQUARE FOOTAGE

141,955

UPGRADED FACILITY GROSS SQUARE FOOTAGE

1,728,243

UPGRADED FACILITY GROSS SQUARE FOOTAGE

1,728,243

UPGRADED FACILITY GROSS SQUARE FOOTAGE

N/A

UPGRADED FACILITY GROSS SQUARE FOOTAGE

NONE
## Master Plan Projects Summary

### Existing Facilities & Infrastructure

<table>
<thead>
<tr>
<th>Project Code</th>
<th>Description</th>
<th>Action</th>
<th>Gross Square Footage</th>
<th>Dependent Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>E8</td>
<td>Indoor Tennis Center</td>
<td>Demolish</td>
<td>32,130</td>
<td>Indoor Tennis Training Facility</td>
</tr>
<tr>
<td>E10</td>
<td>Morgan Academic Center</td>
<td>No Improvements</td>
<td>30,000</td>
<td>None</td>
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<tr>
<td>E11</td>
<td>East Area Locker Room</td>
<td>Demolish</td>
<td>46,768</td>
<td>Indoor Tennis Center Center of Excellence</td>
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<tr>
<td>E18</td>
<td>McCoy Natatorium</td>
<td>Vacate or Demolish*</td>
<td>50,417</td>
<td>New Natatorium</td>
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<tr>
<td>E19</td>
<td>White Building</td>
<td>Vacated Facility</td>
<td>41,126</td>
<td>Olympic Sport Training Facility</td>
</tr>
<tr>
<td>E23</td>
<td>Tombros Varsity Golf Clubhouse</td>
<td>No Improvements</td>
<td>6,560</td>
<td>None</td>
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<tr>
<td>E24</td>
<td>Walker Clubhouse</td>
<td>Demolish</td>
<td>8,195</td>
<td>None</td>
</tr>
</tbody>
</table>

*Demolish if Natatorium Site B is chosen
I/1. PEDESTRIAN PATHWAY ENHANCEMENTS

UPGRADED INFRASTRUCTURE
GROSS SQUARE FOOTAGE: N/A

DEPENDENT PROJECTS
- NITTANY LION WAY INDOOR TENNIS CENTER

I/2. UNIVERSITY DRIVE & DAUER ROAD INTERSECTION

UPGRADED INFRASTRUCTURE
GROSS SQUARE FOOTAGE: N/A

DEPENDENT PROJECTS
- NITTANY LION WAY INDOOR TENNIS BUILDING
- DAUER ROAD REALIGNMENT

I/3. NITTANY LION WAY ROAD

NEW INFRASTRUCTURE
GROSS SQUARE FOOTAGE: N/A

DEPENDENT PROJECTS
- DAUER ROAD REALIGNMENT

I/4. DAUER ROAD REALIGNMENT

UPGRADED INFRASTRUCTURE
GROSS SQUARE FOOTAGE: N/A

DEPENDENT PROJECTS
- NITTANY LION WAY INDOOR TENNIS BUILDING
- DAUER / UNIVERSITY INTERSECTION

I/5. STADIUM DRIVE ROAD

NEW INFRASTRUCTURE
GROSS SQUARE FOOTAGE: N/A

DEPENDENT PROJECTS
- BEAVER STADIUM UPGRADES
PROPOSED MASTER PLAN SQUARE FOOTAGE

The diagrams on these pages represent the total square footage of athletic facilities at Penn State. The first diagram represents approximate existing square footage of facilities. The next diagram represents the proposed square footages of the proposed facilities.

Athletic Facility GSF is proposed to increase by approximately 1.7 Million GSF over the entire Master Plan.

EXISTING ATHLETIC FACILITY SQUARE FOOTAGE
APPROXIMATED TOTAL EXISTING GSF 3,122,036
PROPOSED ATHLETIC FACILITY SQUARE FOOTAGE

APPROXIMATED TOTAL PROPOSED GSF 4,886,480