

1. **Roll Call**

2. **Approval of the Minutes of Previous Meetings**

Will the Board of Trustees approve the minutes of the meeting of the Board held on May 6, 2016?

3. **Election of Officers of the Board of Trustees** – Thomas G. Poole, Secretary

Will the Board of Trustees elect officers to the following Board positions for the current year?

President

Vice President

- 1) Secretary
- 2) Associate Secretary
- 3) Assistant Secretaries
- 4) Treasurer
- 5) Assistant Treasurers

- | | |
|-------------------------|---|
| 1) Secretary: | Incumbent, Thomas G. Poole |
| 2) Associate Secretary: | Incumbent, Janine S. Andrews |
| 3) Assistant Secretary: | Incumbent, Carmella Mulroy-Degenhart |
| Assistant Secretary: | Incumbent, Donna J. Newburg |
| Assistant Secretary: | Kim I. Wright (replacing Carol A. Maddox) |
| 4) Treasurer: | Incumbent, David J. Gray |
| 5) Assistant Treasurer: | Incumbent, Deborah M. Meder |
| Assistant Treasurer: | Incumbent, Susan J. Wiedemer |

4. **President's Report**

5. **Provost's Report**

6. **Informational Report on Penn State Wilkes-Barre**

Dr. Charles Davis, Chancellor, will discuss the activities and achievements of Penn State Wilkes-Barre, as well as the vision for future directions of the campus.

7. **Reports from Standing Committees**

Discussion of action and/or information items by the Standing Committees for consideration by the Board of Trustees:

A. Committee on Academic Affairs and Student Life – M. Abraham Harpster, Chair

1) Discussion of Consent Agenda Items Provided for Information or Approval of the Committee on Academic Affairs and Student Life:

Information Items -

- a) Information on Undergraduate Programs
- b) Information on Graduate Programs
- c) Information on Integrated Undergraduate/Graduate Programs

(See Appendix I)

B. Committee on Audit and Risk – Walter C. Rakowich, Chair

C. Committee on Compensation – Paul H. Silvis, Chair

D. Committee on Finance, Business and Capital Planning – Daniel S. Mead, Chair

1) Discussion of Consent Agenda Items Provided for Information or Approval of the Committee on Finance, Business and Capital Planning:

Information Items –

- a) Shavers Creek Environmental Center, Stone Valley Recreation Area
- b) Roof Replacement for Various Buildings, University Park
- c) North Henderson Dean Suite Renovation, University Park
- d) Parking Revenue Control System Upgrades at Various Parking Locations, University Park
- e) Campus Chilled Water System Connections at Ag Hill and South Plants, University Park
- f) Recreation Hall Lorenzo Wrestling Complex Hydrotherapy Renovations, University Park
- g) Campus-wide Energy Savings Projects, Penn State Abington
- h) Soccer Field Expansion, Penn State Hazleton
- i) Eiche Library Renovations, Penn State Altoona
- j) Hiller Building and Café Renovation, Penn State Dubois
- k) Franco Building HVAC, Lighting, and Sprinkler System Upgrades, Penn State Berks
- l) College of Medicine First Floor Corridor Refurbishment, The Milton S. Hershey Medical Center
- m) Air Handling Unit Replacement, The Milton S. Hershey Medical Center
- n) Change the Name of the Theater Arts Studio to the “Advanced Combustion and Energetics Laboratory,” Penn State Altoona
- o) Change the Name of the Environmental Resource Laboratory to the “Thermal Science Laboratory,” Penn State Altoona
- p) Naming of the New Data Center, “Tower Road Data Center,” University Park
- q) Naming of New Apartment Building, “Lions Gate at Penn State Abington A Student Apartment Community,” Penn State Abington
- r) Naming of the New Residence Hall, “Orchard Hall,” Penn State Brandywine
- s) Naming of Rooms, Portions of Buildings, and Plazas
- t) Purchase of Property at 111 North Butz Street, State College Borough
- u) Purchase of Property at 2175 Fox Hill Road, Benner Township
- v) Status of Major Construction Programs and Borrowing

Action Items –

- w) Summary of Revised Funds
- x) Summary and Acknowledgement of New Funds and Major Commitments

(See Appendix II)

2) **Proposed Naming of the New Residence Hall in North Halls, “Robinson Hall,” University Park**

The Facilities Naming Committee has recommended that the Board of Trustees name the new residence hall in North Halls at University Park, in honor of Sarah E. Robinson, the first music instructor at the Agricultural College of Pennsylvania.

Will the Board of Trustees adopt the following resolution:

RESOLVED, That the new residence hall in North Halls at University Park is named “Robinson Hall.”

(See Appendix III)

3) **Proposed Naming of the New Residence Hall in East Halls, “Earle Hall,” University Park**

The Facilities Naming Committee has recommended that the Board of Trustees name the new residence hall in East Halls at University Park, in honor of George Howard Earle III, former Governor of Pennsylvania and a supporter of Penn State.

Will the Board of Trustees adopt the following resolution:

RESOLVED, That the new residence hall in East Halls at University Park is named “Earle Hall.”

(See Appendix IV)

4) **Consideration of Proposed Operating Budget for the Fiscal Year Beginning July 1, 2016**

Will the Board of Trustees adopt the following resolution:

RESOLVED, That the proposed Operating Budget for the University for the fiscal year beginning July 1, 2016, as shown in the 2016-2017 Proposed Operating Budget and Proposed 2016-2017 Tuition and Fees, is approved.

(The 2016-2017 Proposed Operating Budget and Proposed 2016-2017 Tuition and Fees will be distributed to Trustees under separate cover.)

5) **Proposed Tuition and Fees Effective for 2016 Fall Semester**

Will the Board of Trustees adopt the following resolution:

RESOLVED, That tuition at all locations, effective for the 2016-2017 school year, and as shown in the 2016-2017 Proposed Operating Budget and Proposed 2016-2017 Tuition and Fees, is approved.

(The 2016-2017 Proposed Operating Budget and Proposed 2016-2017 Tuition and Fees will be distributed to Trustees under separate cover.)

6) **Proposed Purchase of Cryo-Electron Microscope at the Millennium Science Complex**

Penn State is home to world class scientists conducting cutting-edge research aimed at improving the human condition. As part of its imaging research program, the University is planning to purchase a cryo-electron microscope for use in the Millennium Science Complex.

A cryo-electron microscope provides near atomic level detail in biological and soft materials. This instrument will allow researchers to know the structure and function of materials and will change our understanding of life. This instrument will further advance biomedical research at Penn State. Students will have critical training needed for the future.

Will the Board of Trustees adopt the following resolutions:

RESOLVED, That the purchase and installation of a cryo-electron microscope for the Millennium Science Complex at University Park, is approved at a cost of \$8,600,000.

FURTHER BE IT RESOLVED, That the Officers of the University are authorized and directed to take steps to make effective these resolutions.

E. **Committee on Governance and Long-Range Planning** – Betsy E. Huber, Chair

F. **Committee on Legal and Compliance** – Richard K. Dandrea, Chair

1) **Proposed Annual Applications, Renewals, and other Filings Required by the Pennsylvania Liquor Control Board**

The Pennsylvania State University holds, or intends to obtain, licenses and permits through the Pennsylvania Liquor Control Board (PLCB) for the following purposes, venues, and properties, as previously approved by the Board of Trustees:

- The Nittany Lion Inn – Liquor License, Off-Premises Catering Permit, Liquor Permit for Sunday Sales and Amusement Permit
- WPSU – Wine Auction Permit
- Bryce Jordan Center – Public Venue Liquor License
- Beaver Stadium – Public Venue Liquor License
- Recreation Hall – Public Venue Liquor License
- Pegula Ice Arena – Public Venue Liquor License

- Medlar Field at Lubrano Park – Public Venue Liquor License
- Penn State Golf Courses – Public Venue Liquor License

Each license or permit requires either an application process, a biennial application renewal process, or an annual validation process.

Will the Board of Trustees adopt the following resolutions:

WHEREAS, The Pennsylvania Liquor Code authorizes the Pennsylvania Liquor Control Board to issue various licenses and permits related to the sale and service of alcoholic beverages, subject to a well-defined set of regulations; and

WHEREAS, It is the desire of The Pennsylvania State University to sell and serve alcoholic beverages under the conditions previously approved by the Board of Trustees; and

WHEREAS, it is the desire of The Pennsylvania State University to file appropriate applications for licensures and permits either through an application processes, biennial application renewal processes, or a validation process, as applicable; and

THEREFORE BE IT RESOLVED, That David J. Gray, Senior Vice President for Finance and Business/Treasurer and/or Joseph J. Doncsecz, Corporate Controller, or any appropriate designee(s), is/are authorized to execute applications, renewal forms, and any other documents or instruments required by the Pennsylvania Liquor Control Board, and to take such other actions as may be required in connection with any such applications, renewals or validations; and

RESOLVED FURTHER, That material changes to the terms and conditions previously approved by the Board of Trustees with respect to such licenses and permits shall be submitted to the Board of Trustees for its consideration and approval.

G. Committee on Outreach, Development and Community Relations – Ryan J. McCombie, Chair

8. Announcements by the Chairman of the Board of Trustees

1. Information on Undergraduate Programs**A. College of Arts and Architecture****1) Digital Multimedia Design delivered through World Campus: New Bachelor of Design**

This program will develop students' design thinking through courses in art and design, critical thinking through courses that promote active, critical and ethical use of communications media and technologies, and systems thinking through courses in information technology and human interaction. The authorization for the new program will become effective Fall 2016.

B. College of Earth and Mineral Sciences**1) Energy and Sustainability Policy: New Bachelor of Science**

This program will prepare students for policy-related careers in energy and sustainability fields, where strong science, business, and analytical skills are emphasized. Students completing the B.S. degree will be prepared for more specialized and technical roles, with greater emphasis on quantitative analysis, energy processes, and business management. The authorization for the new program will become effective Fall 2016.

C. College of the Liberal Arts**1) Communication Arts and Sciences: New Bachelor of Science**

This program provides increased understanding and practice in the ways humans use symbols to influence people and the world around them. Students will learn to think critically, analyze and solve problems, understand and manage conflict, argue persuasively, influence people, form and keep relationships, give effective presentations, and participate in the civic and political life of a community. The authorization for the new program will become effective Fall 2016.

2) Portuguese: New Minor

This minor will cultivate students' understanding, respect, and appreciation of the rich literary and cultural traditions of Portuguese-speaking peoples, provide a sound foundation for further study related to the Portuguese worlds, and develop students' ability to analyze literary and cultural works in Portuguese. The authorization for the new minor will become effective Fall 2016.

D. Penn State Erie, The Behrend College**1) Management Information Systems: New Data Analyst Option in the Bachelor of Science**

This option will educate students on the foundational knowledge and skills in analyzing business problems in a data-driven manner by leveraging descriptive, predictive, and prescriptive analytics. The data analyst option curriculum will specifically focus on principles of data analytics, database technology, business intelligence and reporting/visualization, data warehousing, and big data analytics. The authorization for the new option will become effective Fall 2016.

2) Project and Supply Management: New Minor

This minor will provide focus in key skills employers are looking for including managing supply chain and project initiatives, IT projects, third-party logistics, procurement, and distribution. The authorization for the new minor will become effective Fall 2016.

E. Penn State Harrisburg1) Women's Studies (WOMST): Close Minor

The closure of this minor is in response to the University's effort to reduce the duplication of disciplinary minors. Penn State Harrisburg will deliver the Women's Studies Minor (WMSTD) authorized for delivery by the College of the Liberal Arts. No faculty will be affected. The minor will be closed, effective Fall 2016.

2. Information on Graduate ProgramsA. College of Health and Human Development1) Nutritional Sciences: New Graduate Degree Program Master of Professional Studies

This program is needed, in part, because of a mandate from the Commission on Dietetic Registration (CDR), the agency that issues the Registered Dietitian Nutritionist (RDN) credential, which will require a master's degree for entry-level practitioners in the profession of nutrition and dietetics by 2024. Moreover, a growing number of students and practicing Registered Dietitians/Nutritionists (RDNs) are interested in earning a graduate degree to position them for career success. Consequently, there is a need for high quality master's degree programs in nutrition.

The M.P.S. degree program will teach leadership skills in the profession of nutrition and dietetics. In addition, students will learn how to translate research to best practices in various nutrition practice settings including clinical, research, community, and management. There will be an emphasis on teaching how to evaluate high-quality research to build an evidence base for practice decisions. Students in the program may expect to become leaders on the health care team and other practice teams, and share their knowledge and expertise with other health care professionals and colleagues. Graduates will be positioned for career success and will be innovators in today's dynamic health and wellness sector.

B. College of Engineering1) John R. and Jeanette Dacheille McWhirter Graduate Program in Chemical Engineering: Program Name Change

With the recent gift of \$10 million to benefit the Department of Chemical Engineering on June 22, 2016 and with prior year gifts and commitments to the department totaling over \$16 million, the McWhirter's have gone beyond the original proposal for naming the graduate program. The naming of the John R. and Jeanette Dacheille McWhirter Graduate Program in Chemical Engineering will have profound meaning for everyone affiliated with chemical engineering at Penn State – past, present, and future. The College of Engineering would be deeply honored to have the McWhirter names permanently attached to the Department of Chemical Engineering in a way that is a meaningful tribute for future recipients of their generosity. In addition, having the students and faculty directly linked with Dr. McWhirter who is one of the American Institute of Chemical Engineer's "100 Eminent Chemical Engineers of the Modern Era" and with Jeanette's significant family legacy at the University would be a great honor for all of the individuals who will benefit from their support. Dr. McWhirter's distinctive reputation for leadership in the field and in their combined Penn State philanthropy is already an inspiration and would further inspire many students to follow for generations.

2) Engineering Leadership and Innovation Management: New Graduate Degree Program Master of Engineering

The program's focus will be on providing motivated graduate engineers with the education that will enable them to become globally-aware innovation leaders in industry who are able to develop innovative solutions and new products within an existing business. The program will be an intensive, residential, one-year program that will continue the Penn State tradition of excellence in leadership education while meeting the need for leadership training and development at the graduate level. The program is designed to provide training and experience in the key aspects of engineering business: leading teams, identifying new business opportunities, working across international and cultural boundaries, effectively managing projects, and promoting internal innovation. This program addresses the need for more comprehensive leadership training and development at the graduate level, primarily among the individuals with a high potential for future leadership positions.

C. College of the Liberal Arts

1) Applied Demography: New Graduate Degree Program Master of Professional Studies

The Master of Professional Studies (M.P.S.) in Applied Demography is designed to provide working professionals with an understanding of concepts, measures, data, software, and analytical skills that applied demographers utilize in the workplace in both the public and private sector. This will be achieved through learning experiences driven by the goal of addressing practical problems. These professionals will be able to obtain advanced education and training in applied demography. They will be able to better understand their work, enhance their careers, and support organizational goals and objectives by incorporating the applied demography perspective in their work.

3. Information on Integrated Undergraduate/Graduate Programs

A. College of the Liberal Arts

1) Bachelor of Arts in Asian Studies and Master of International Affairs in International Affairs

Highly qualified and motivated students majoring in Asian Studies can pursue an integrated Masters/B.A. degree with the School of International Affairs. The new degree would prepare students for a variety of careers requiring an interdisciplinary background in Asian Studies and international affairs. The Graduate Council has approved this IUG. The program will become effective Fall 2016.

2) Bachelor of Arts in Chinese and Master of International Affairs in International Affairs

Highly qualified and motivated students majoring in Chinese can pursue an integrated Masters/B.A. degree with the School of International Affairs. The new degree would prepare students for a variety of careers requiring an interdisciplinary background in Chinese and international affairs. The Graduate Council has approved this IUG. The program will become effective Fall 2016.

3) Bachelor of Arts in German and Master of International Affairs in International Affairs

Highly qualified and motivated students majoring in German can pursue an integrated Masters/B.A. degree with the School of International Affairs. The new degree would prepare students for a variety of careers requiring an interdisciplinary background in German and international affairs. The Graduate Council has approved this IUG. The program will become effective Fall 2016.

4) Bachelor of Science in German and Master of International Affairs in International Affairs

Highly qualified and motivated students majoring in German can pursue an integrated Masters/B.S. degree with the School of International Affairs. The new degree would prepare students for a variety of careers requiring an interdisciplinary background in German and international affairs. The Graduate Council has approved this IUG. The program will become effective Fall 2016.

5) Bachelor of Arts in Japanese and Master of International Affairs in International Affairs

Highly qualified and motivated students majoring in Japanese can pursue an integrated Masters/B.A. degree with the School of International Affairs. The new degree would prepare students for a variety of careers requiring an interdisciplinary background in Japanese and international affairs. The Graduate Council has approved this IUG. The program will become effective Fall 2016.

6) Bachelor of Arts in Russian and Master of International Affairs in International Affairs

Highly qualified and motivated students majoring in Russian can pursue an integrated Masters/B.A. degree with the School of International Affairs. The new degree would prepare students for a variety of careers requiring an interdisciplinary background in Russian and international affairs. The Graduate Council has approved this IUG. The program will become effective Fall 2016.

1. **Shavers Creek Environmental Center, Stone Valley Recreation Area**

The University intends to complete multiple changes to the Shaver's Creek Environmental Center at Stone Valley. An administration wing will be added to the Main Building to provide sorely needed staff office space while enhancing the welcoming experience for visitors. New HVAC systems will also be included. Additionally, a new classroom building will contain two flexible classrooms and a catering kitchen. The project scope also includes a new maintenance building. There is a bid alternate to replace the existing Upper Classroom currently housed in a modular shed-type structure. Plans also include new ADA parking, accessible trails, and new electrical and sewer service. This project is targeting LEED Certification. The cost estimate is \$4,800,000.

(See Appendix II.1)

2. **Roof Replacement for Various Buildings, University Park**

In February 2016, the Board of Trustees was informed of a project for roof replacement projects for as many as eleven buildings on the University Park campus during the summer of 2016. There will be an emphasis on maximizing longevity of the replacement roofing systems in the project design and construction, as well as future maintenance for the roofs and rooftop-mounted equipment. Additional support work may include masonry restoration and repair as required to ensure a watertight installation, related mechanical work to raise roof curbs, and installation of permanent fall protection systems. The cost estimate for this project, originally reported at \$3,600,000, has been revised to \$4,700,000 to include roof fall protection design and construction, construction management services, and an expanded scope of included buildings.

3. **North Henderson Dean Suite Renovation, University Park**

The former Dean's Suite, located in the second floor of North Henderson, will be renovated to create an "Avatar Lab" for Dr. Timothy Brick. This lab will support his grant research studies of human interaction using video conference-analysis tools to process facial expression. The project scope includes interior demolition and reconfiguration of the suite to house sensitive high-tech computer systems. The aging HVAC systems located in the roof/attic space will be upgraded and sized to accommodate the entire second floor. The attic access (catwalk) system will be replaced and insulation will be added for increased energy efficiency. The project cost estimate is \$2,646,000.

(See Appendix II.2)

4. **Parking Revenue Control System Upgrades at Various Parking Locations, University Park**

The University intends to upgrade Parking Access Revenue Control Systems at the Nittany, Eisenhower, HUB, and East Parking Decks. The new systems include gates, entry and exit lane equipment, electronic variable message signage, vehicle occupancy counters, cameras, pay-on-foot machines, credit card readers, RFID readers, VoIP telecommunications and related site work. The project cost estimate is \$1,900,000.

(See Appendix II.3)

5. **Campus Chilled Water System Connections at Ag Hill and South Plants, University Park**

The University intends to connect the buildings served by the Ag Hill and South Plants to the campus chilled water (CCHW) system. The project will provide direct connections to the CCHW system in Armsby, Patterson, and Weaver buildings in the Ag Hill area of campus. Modifications inside the South Chiller Plant will allow connection of Pollock Commons and Eastview Terrace to the system. The project also includes associated controls and electrical work. The cost estimate for this project is \$1,700,000.

(See Appendix II.4)

6. Recreation Hall Lorenzo Wrestling Complex Hydrotherapy Renovations, University Park

The University intends to convert an existing multi-purpose locker room in the Lorenzo Wrestling Complex in Rec Hall into a hydrotherapy room. The project scope includes two hydrotherapy pools, sauna, showers, restroom, and lockers for the varsity wrestling team. This project will provide hydrotherapy adjacent to the wrestling team's existing practice facility. The cost estimate for this project is \$1,112,000.

(See Appendix II.5)

7. Campus-wide Energy Savings Projects, Penn State Abington

The University intends to implement HVAC upgrades and energy conservation measures in Sutherland, Lares and Athletic Buildings which may include upgrades to lighting, heating systems, chilled water systems, ventilation systems and building envelope. This project scope includes upgrades to the heating system, chilled water system and ventilation system/make-up air units in Sutherland, roof top unit replacements for Lares Building, and domestic hot water system upgrades in the Athletic Building. Campus exterior lighting upgrades are also included. The final scope of the upgrades will be determined after completion of a comprehensive energy audit of the buildings. Typical conservation measures implemented as a result of this project could encompass improved operating strategies, control upgrades, installation of heat recovery, lighting replacement, and boiler and chiller replacements. The cost estimate for this project is \$1,900,000 with annual savings estimated at \$43,000 in energy and \$4,200 in operational (material) savings.

(See Appendix II.6)

8. Soccer Field Expansion, Penn State Hazleton

The University intends to demolish the existing softball field amenities and construct a new, enlarged soccer field with root zone mix and underdrainage. These renovations will make the field compliant with NCAA standards. New features will be added to the facility including athletic field lighting, scoreboard, sound system, chain link fence, ball control netting and portable bleachers. Additional landscaping, concrete paving and walkways will be added for field access. The cost estimate for this project is \$1,200,000.

(See Appendix II.7)

9. Eiche Library Renovations, Penn State Altoona

The University intends to renovate the Learning Resource Center on the ground floor of Eiche Library to include three computer classrooms. This 3,000 square feet space will accommodate the growth of the Electrical Engineering program and include current audiovisual equipment and teaching resources. A moveable partition will provide flexible use of two of the three computer classrooms. Through-wall univents will be replaced in the surrounding faculty offices. The cost estimate for the entire project is \$1,500,000.

(See Appendix II.8)

10. Hiller Building and Café Renovation, Penn State DuBois

The University intends to renovate several areas of the Hiller Building at Penn State DuBois including upgrades to the existing food service area called the Lion's Den Café. Other renovations include replacement of air handling units, a new elevator, restroom renovations to meet ADA compliance, and replacement of the acoustical ceiling system in the Library. The project scope may also include new lighting throughout, building controls and replacement of out-of-date boilers. The cost estimate for the entire project is \$3,500,000.

(See Appendix II.9)

11. Franco Building HVAC, Lighting, and Sprinkler Systems Upgrades, Penn State Berks

The University intends to upgrade heating, ventilation, and air conditioning systems as well as lighting and sprinkler systems in Franco Building at Penn State Berks. Existing systems are close to their expected end-of-service life and newer technology will produce energy savings. At the completion of the project, the entire Franco Building will be sprinkled. The cost estimate for the entire project is \$1,152,500.

(See Appendix II.10)

12. College of Medicine First Floor Corridor Refurbishment, The Milton S. Hershey Medical Center

The University intends to refurbish approximately 7,500 square feet of the first floor College of Medicine corridor and lobby on the Hershey Campus. Most of the finish materials in these spaces are original to the building from 1967 and 1968 and do not reflect a 21st century modern education and research aesthetic. The project scope will include the asbestos flooring abatement and new vinyl flooring. The exiting corridor CMU walls will be clad with acoustic finish panels and tackable surfaces to improve aesthetics while providing areas to present educational information and research reports. Lighting will be replaced throughout all of the areas of work with energy efficient LED fixtures. The College of Medicine lobby will receive new furniture, lighting, and artwork that complements the original iconic limestone walls and granite floors. The estimated total cost for this project is \$1,330,000.

(See Appendix II.11)

13. Air Handling Unit Replacement, The Milton S. Hershey Medical Center

The University intends to replace two air handling units installed in approximately 1991 that have exceeded their anticipated useable life. A single, energy efficient air handling unit will be installed to provide year-round heating and cooling to areas including surgical waiting, the chapel, pre-admission areas, and the same-day surgical pre- and post-operation and waiting areas. The replacement air handling unit will include multiple variable frequency drive (VFD) direct drive supply and return fans, economizer mixing box with dampers and air blenders, MERV 8 and 11 pre- and mid-filters, hot water preheat coil, chilled water cooling coil, UVC coil disinfection system, HEPA filters and steam panel type humidifier. The approximate capacity of the replacement air handling unit will be 46,000 CFM. In addition, twelve (12) variable air volume (VAV) boxes will be upgraded as part of this project to increase reliability and temperature control capabilities. The estimated total cost for this project is \$1,575,000.

14. Change the Name of the Theater Arts Studio to the “Advanced Combustion and Energetics Laboratory,” Penn State Altoona

The University intends to change the name of the Theater Arts Studio at Penn State Altoona to the *Advanced Combustion and Energetics Laboratory*. Previously used as a space for constructing props for the theater arts program, the building is being renovated as an engineering laboratory.

(See Appendix II.12)

15. Change the name of the Environmental Resource Laboratory to the “Thermal Science Laboratory,” Penn State Altoona

The University intends to change the name of the Environmental Resource Laboratory at Penn State Altoona to the *Thermal Science Laboratory*. Previously used for research and faculty offices for the biology program, the building will now provide space for engineering faculty offices and lab space for research and teaching.

(See Appendix II.12)

16. **Naming of the New Data Center, “Tower Road Data Center,” University Park**

The University intends to name the new data center at University Park “Tower Road Data Center.”

(See Appendix II.13)

17. **Naming of the New Apartment Building, “Lions Gate at Penn State Abington A Student Apartment Community,” Penn State Abington**

The University intends to name the new apartment building at Penn State Abington “Lions Gate at Penn State Abington A Student Apartment Community.” The apartment building is located on University property one and a half miles from the center of campus.

(See Appendix II.14)

18. **Naming of the New Residence Hall, “Orchard Hall,” Penn State Brandywine**

The University intends to name the new apartment building at Penn State Brandywine “Orchard Hall.” Historical records indicate that there was an apple orchard as part of the property.

(See Appendix II.15)

19. **Naming of Rooms, Portions of Buildings, and Plazas**

The Facilities Naming Committee has made certain recommendations to the President on the naming of rooms, portions of buildings and plazas. In accordance with the Policy on Naming University Facilities, the Board of Trustees is hereby informed that the President has approved the following naming actions:

- 1. Name the Men’s Lacrosse Locker Room (room 103 BCDE) in the East Area Locker Room Building in recognition of gifts made to the Bridge to the Future Fund. The recognition plaque will read:

Connor Darcey Memorial Locker Room

- 2. Name the Men’s Lacrosse Assistant Coach’s/Director of Operations Office (room 137C) in the East Area Locker Room Building in recognition of a commitment by Gary and Laurie Martin. The recognition plaque will read:

*Laurie and Gary Martin
Men’s Lacrosse Assistant Coach/Director of Operations Office*

- 3. Name the Men’s Lacrosse Assistant Coach’s Office (room 137E) in the East Area Locker Room Building in recognition of a commitment from Vincent and Suzanne Tedesco. The recognition plaque will read:

*COL & Mrs. V. J. Tedesco, JR.
Penn State Lacrosse ’60–’64
Men’s Assistant Coach’s Office*

- 4. Name Collaborative Learning Room #8 in the Morgan Academic Support Center in recognition of a pledge from Tony Ciampitti. The recognition plaque will read:

*Tony John Ciampitti
Collaborative Learning Room*

- 5. Name the Lounge on the first floor of the Morgan Academic Support Center in recognition of a pledge from W. Thomas and Sharon Kennedy. The recognition plaque will read:

*Tom and Sharon Kennedy
Staff Lounge*

6. Name Collaborative Learning Room #11 in the Morgan Academic Support Center in recognition of a pledge from Joseph T. and Deborah Kearsse. The recognition plaque will read:
*The Kearsse Family
Collaborative Learning Room*
7. Name Collaborative Learning Room #1 in the Morgan Academic Support Center in recognition of a pledge from Lance and Anne Lonergan. The recognition plaque will read:
*Lance and Anne Lonergan
Collaborative Learning Room*
8. Name the Ground Floor Reception area in the Morgan Academic Support Center in recognition of a pledge from Milton and Doreen Morgan. The recognition plaque will read:
*Milton and Doreen Morgan
Lobby/Lounge*
9. Name the Offensive Staff Meeting Room (room 210) in the Lasch Football Building in recognition of a pledge from Ken and Susan Gentilezza. The recognition plaque will read:
*The Gentilezza Family
Ken, Susan and Olivia
Offensive Staff Meeting Room*
10. Revise the name of the Philip and Barbara Greenberg Indoor Sports Complex due to a change in the building function. The new name will be:
Philip and Barbara Greenberg Complex
11. Name the Student Lounge (room 201) in the Steidle Building in recognition of a commitment from Kennametal Foundation. The recognition plaque will read:
Kennametal Student Lounge
12. Name the Student Lounge (room 226) in the Steidle Building in recognition of a commitment from Ruth Ann Wood. The recognition plaque will read:
Paul and Ruth Ann Wood Student Lounge
13. Name the Faculty Office (room 204) in the Steidle Building in recognition of a commitment from Edward Sproles. The recognition plaque will read:
Dr. Edward S. Sproles, Jr. Faculty Office
14. Name the Faculty Office (room 427) in the Steidle Building in recognition of a commitment members of the Materials Sciences and Engineering External Advisory Board. The recognition plaque will read:
In honor of Dr. Gary L. Messing, Department Head, 2001-2015
15. Name the Materials Computation Suite (room 301A) in the Steidle Building in recognition of commitment from Dr. Frederick C. Langenberg. The recognition plaque will read:
Frederick and Peggy Langenberg Materials Computation Suite
16. Name the softball complex and softball field at Penn State Harrisburg in recognition of a gift from the Douglas W. Pollock Foundation. The recognition plaque will read:
Courtney Pollock Memorial Field and Softball Complex
17. Name the Wait and Quiet Play Area in the Pediatric Hem/Onc Pavilion at Penn State Hershey in recognition of a commitment from the Robert J. Gunterberg Charitable Foundation. The recognition plaque will read:
Made possible by the generosity of the Gunterberg Foundation Culliton Family

18. Name the black box classroom and the entire space (encompassing the classroom and the studio) in Chambers Building in recognition of a pledge from Gay and Bill Krause. The recognition plaque for the black box classroom will read:

The Krause Learning Space

The recognition plaque for the overarching space encompassing both the existing Krause Innovation Studio and the Krause Learning Space will read:

The Krause Studios for Innovation

20. **Purchase of Property at 111 North Butz Street, State College Borough**

Bylaws, Article V, Section 5.09, entitled "Delegation of Duties", (b) (iv) (3) provides for such purchases to be presented to the Board of Trustees for information. The Board of Trustees is advised of the following property transaction:

In April 2016, the University purchased a .09 acre property including a two story, 2,032 square foot, tenant occupied, mixed-use (commercial/residential) building located at 111 N. Butz St, Ferguson Township, Centre County, from Robert L. and Vincenzina Rhoades for \$420,000. The purchase provides strategic campus expansion opportunities and eliminates the possibility of adverse ownership, with its proximity to land currently owned by the University in the West College Avenue corridor.

(See Appendix II.16)

21. **Purchase of Property at 2175 Fox Hill Road, Benner Township**

Bylaws, Article V, Section 5.09, entitled "Delegation of Duties", (b) (iv) (3) provides for such purchases to be presented to the Board of Trustees for information. The Board of Trustees is advised of the following property transaction:

In May, 2016, the University purchased the leasehold interest of the Federal Express building located at 2175 Fox Hill Road, Benner Township, Centre County, from FedState Partners for \$985,000. The purchase provides for the recapture of a ground lease the University had with FedState Partners, ownership of the building, and leasehold income from Federal Express. The acquisition eliminates the possibility of assignment to a third party.

(See Appendix II.17)

22. **Status of Major Construction Programs and Borrowing**

(See Appendix II.18)

23. **Summary of Revised Funds**

Will the Committee on Finance, Business and Capital Planning recommend to the Board of Trustees adoption of the following resolution:

RESOLVED, That the conditions governing certain existing scholarships, fellowships, awards, and similar funds previously established at the University, identified in the *Summary of Revised Funds* for the period April 11, 2016 to June 24, 2016, be revoked and that the Officers of the University are authorized to put into effect the revised regulations as requested by the donors.

24. **Summary and Acknowledgement of New Funds and Major Commitments**

The Committee on Finance, Business and Capital Planning is advised that for the period April 11, 2016 through June 24, 2016, 28 new funds totaling approximately \$1,891,000 were accepted by the University, including scholarships, fellowships, etc. All of these items conform to established University policies and regulations.

For the period March 1, 2016 through April 30, 2016, 37 major commitments were accepted by the University totaling approximately \$18,517,090.

Will the Committee on Finance, Business and Capital Planning recommend to the Board of Trustees adoption of the following resolution:

RESOLVED, That the Board of Trustees gratefully acknowledges the generous contributions of the many friends of the University identified in the *Summary and Acknowledgement of New Funds and Major Commitments*, in support of endowments, funds, and other major commitments as reported to the Committee on Finance, Business and Capital Planning at its meeting of July 21, 2016.

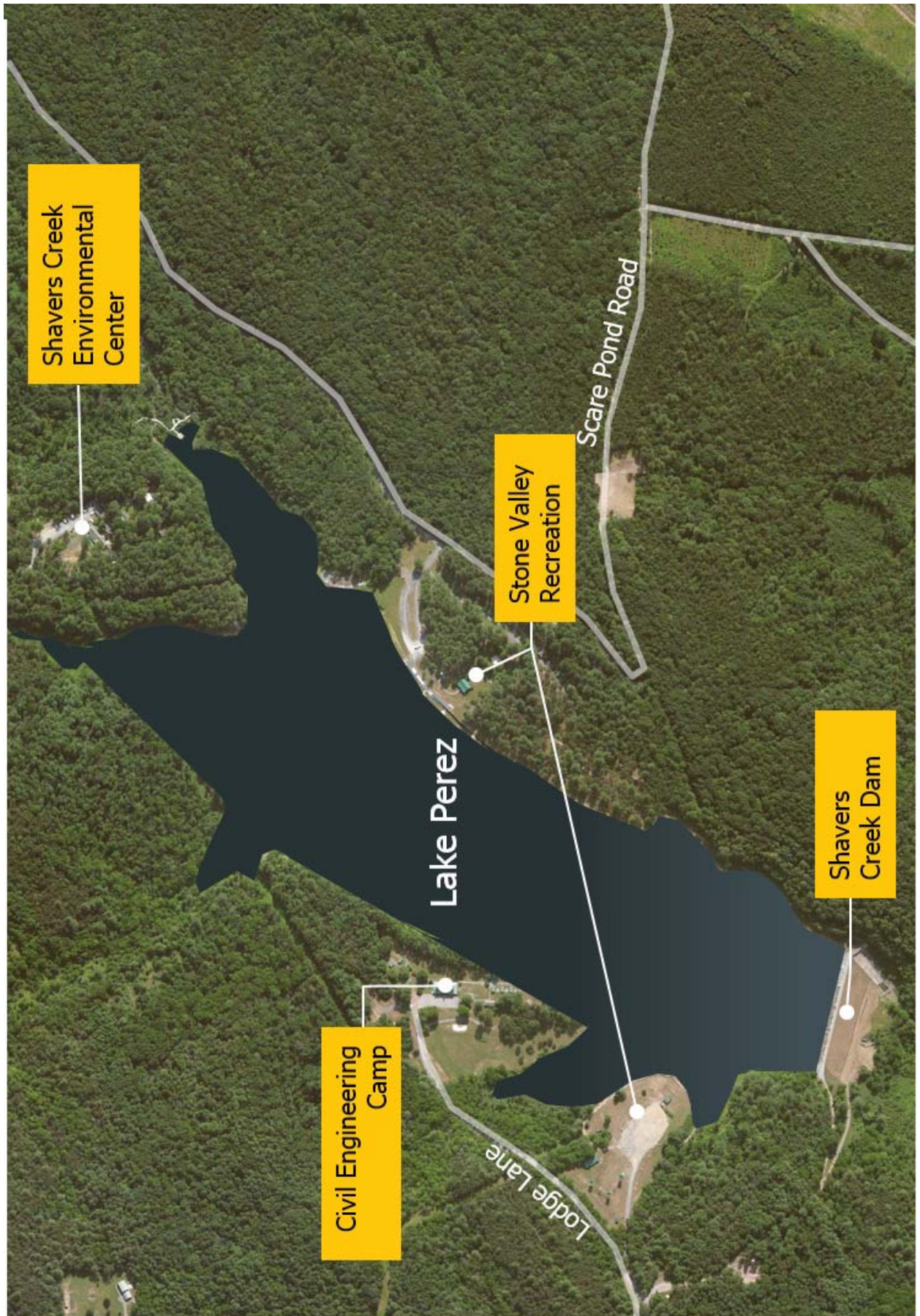
FURTHER BE IT RESOLVED, That the Officers of the University are authorized to convey the Board's appreciation to these generous benefactors who provide opportunities for many students to receive a quality education.

Stone Valley Recreation Area



(Appendix II.1)

Stone Valley Recreation Area





Existing Building



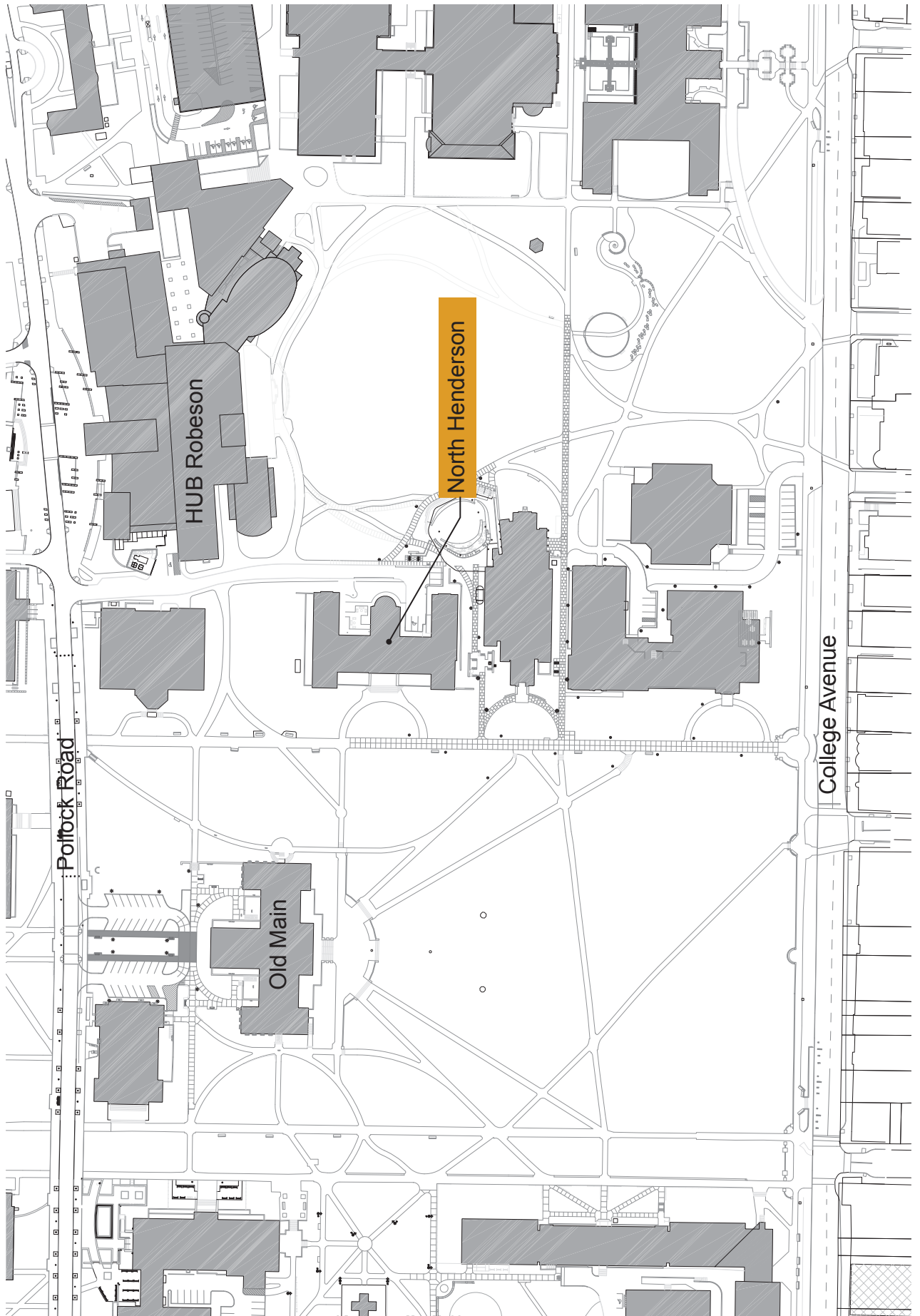
Artist Rendering of Building after Project Completion

Stone Valley Recreation Area



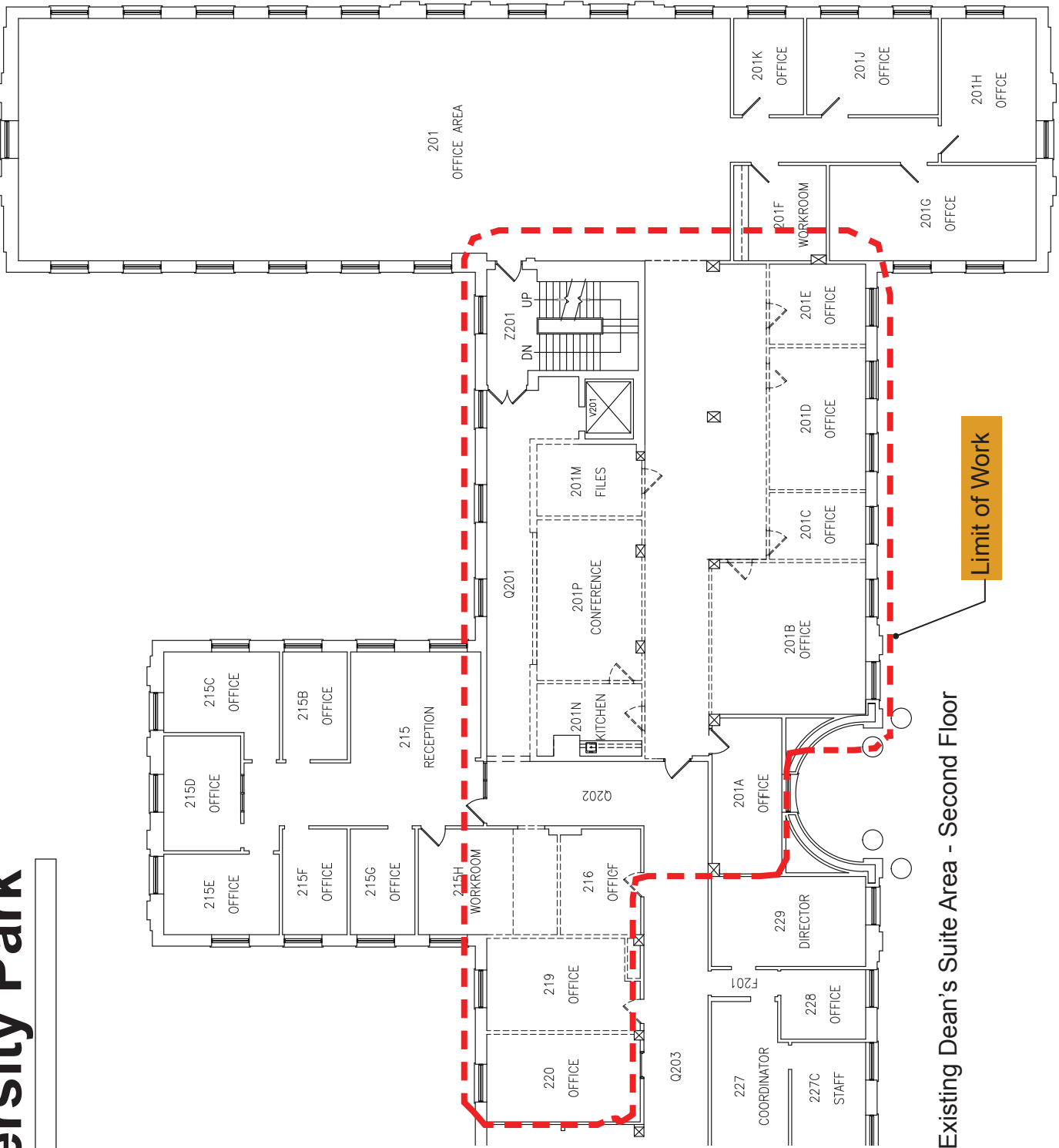
(Appendix II.1)

University Park



(Appendix II.2)

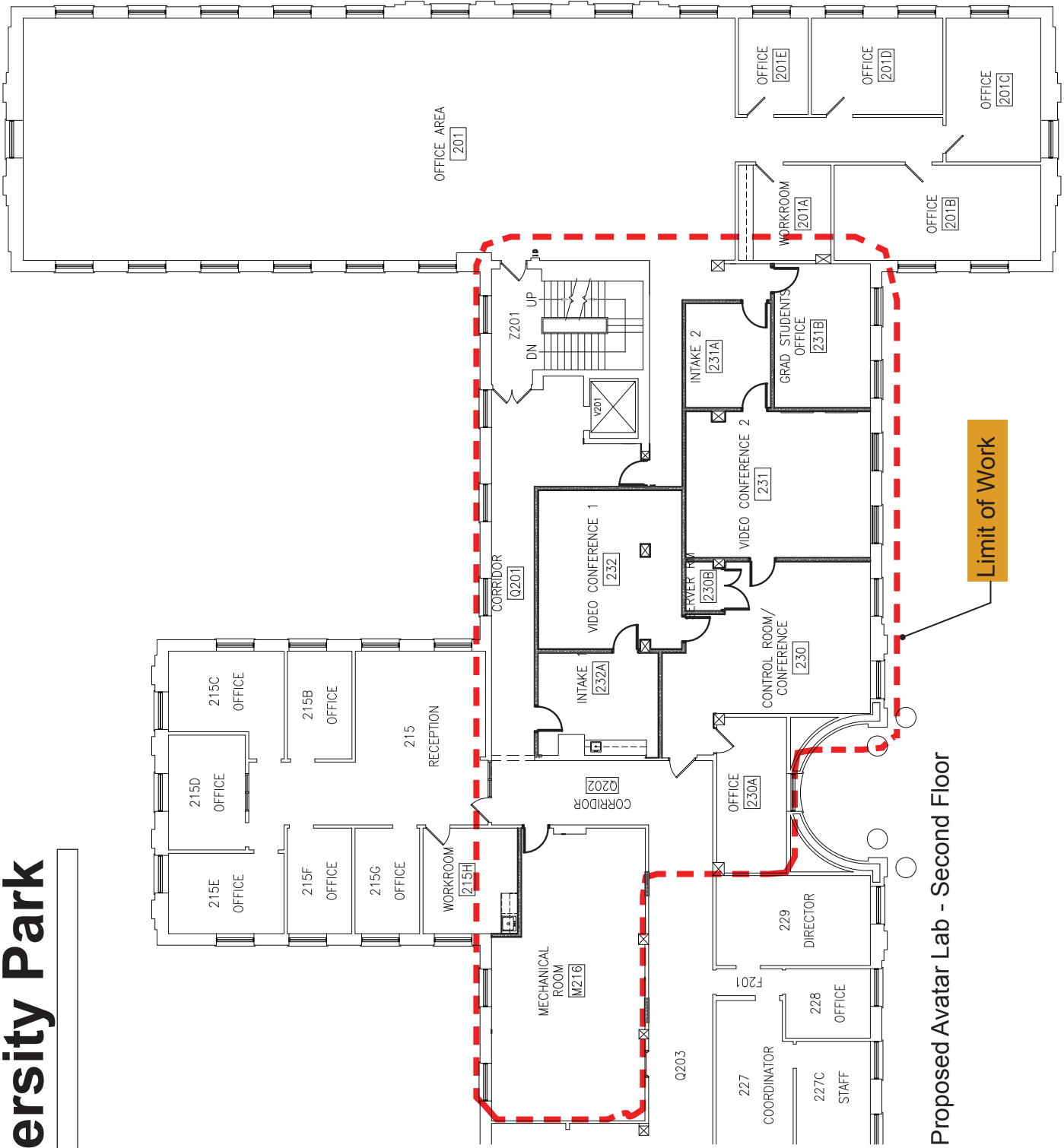
University Park



Limit of Work

Existing Dean's Suite Area - Second Floor

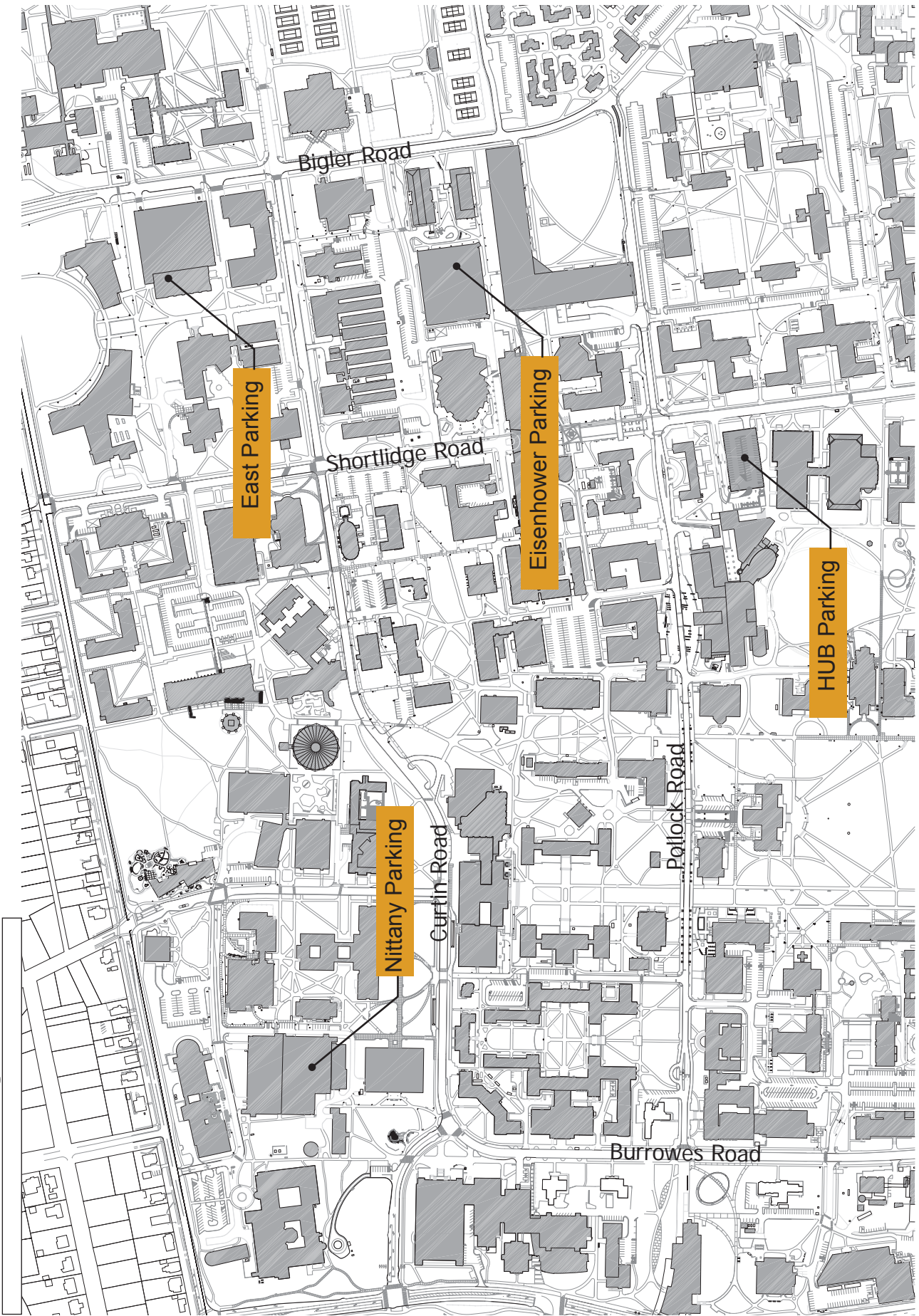
University Park



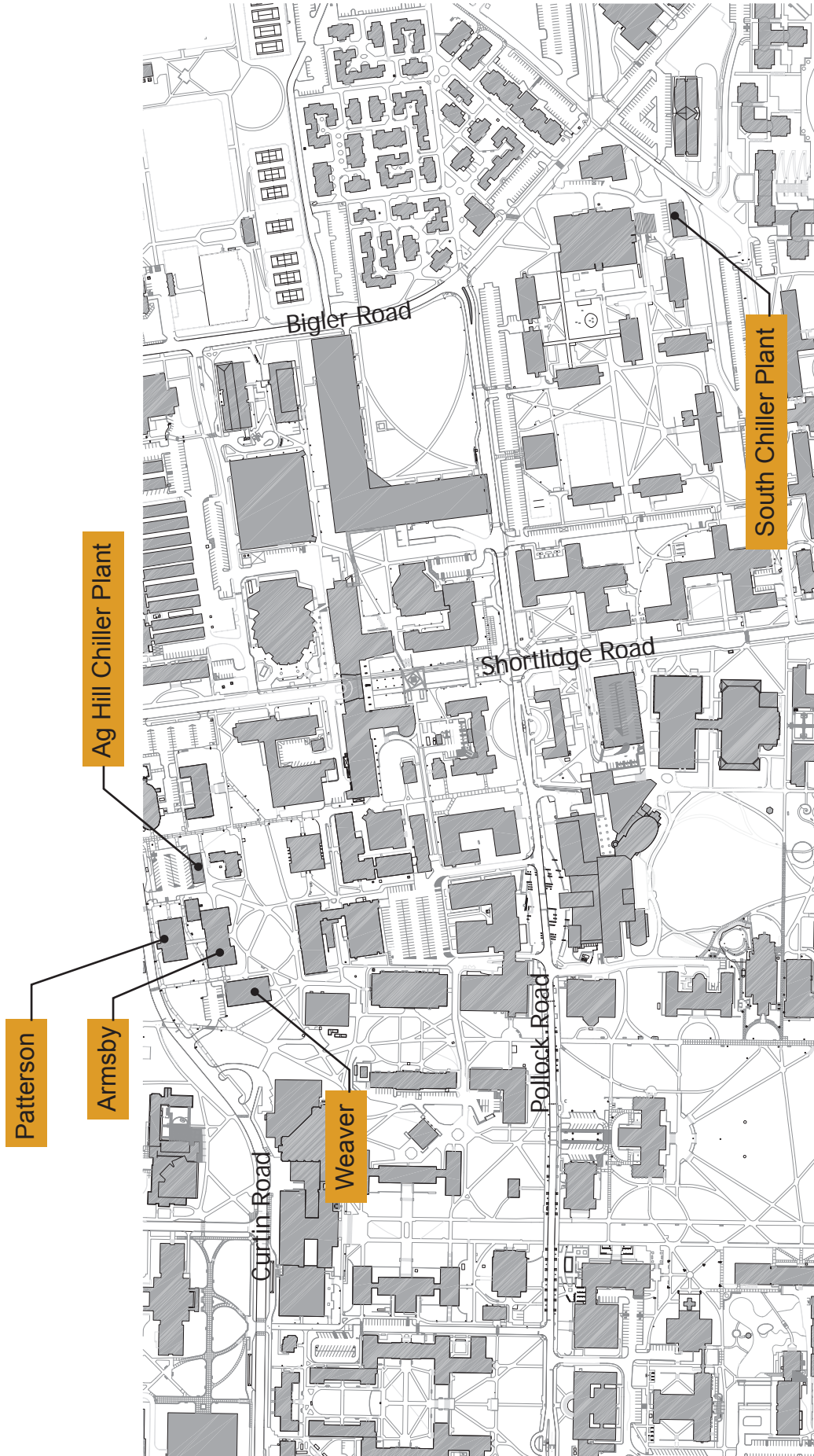
Proposed Avatar Lab - Second Floor

Limit of Work

University Park

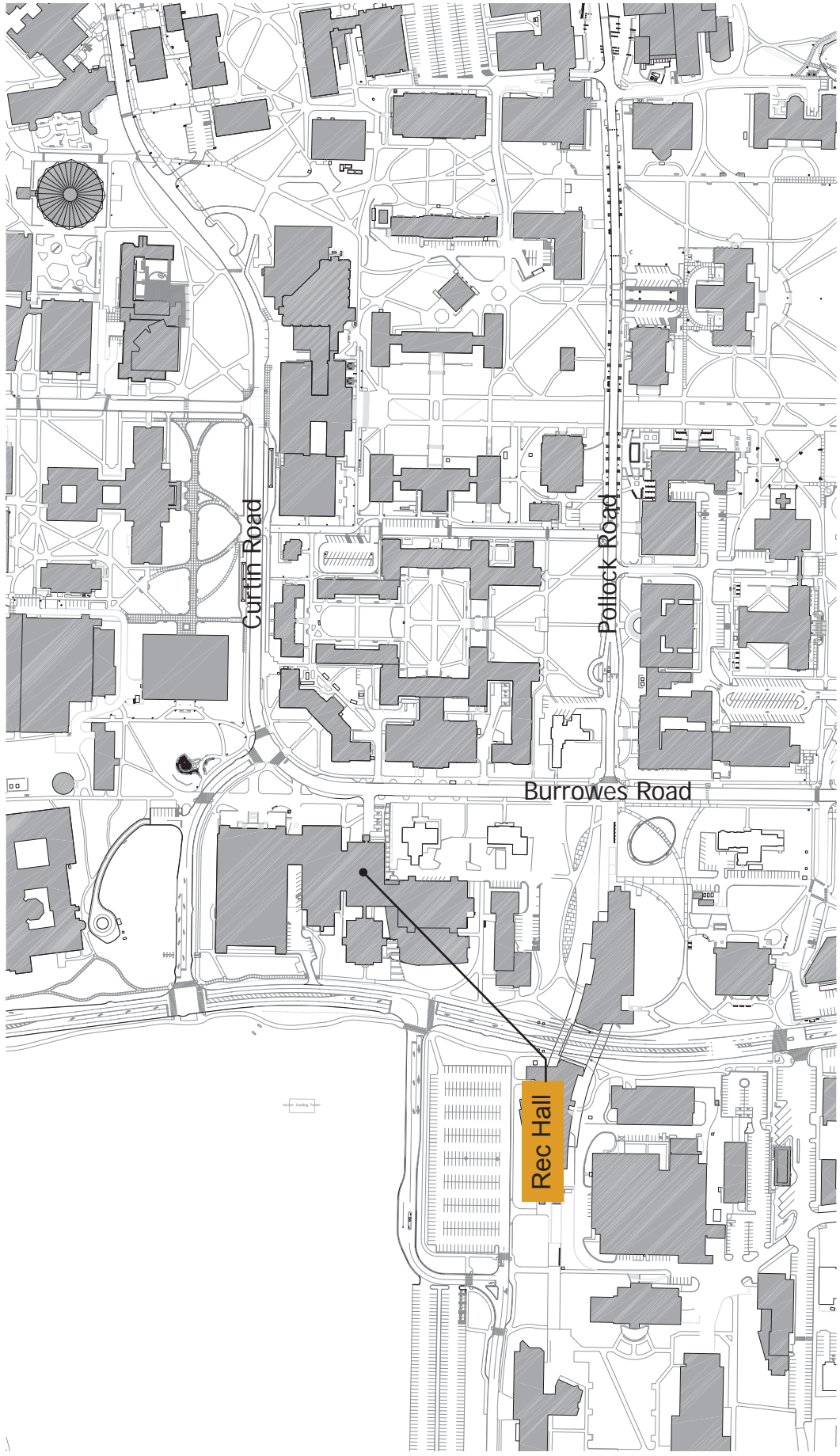


University Park

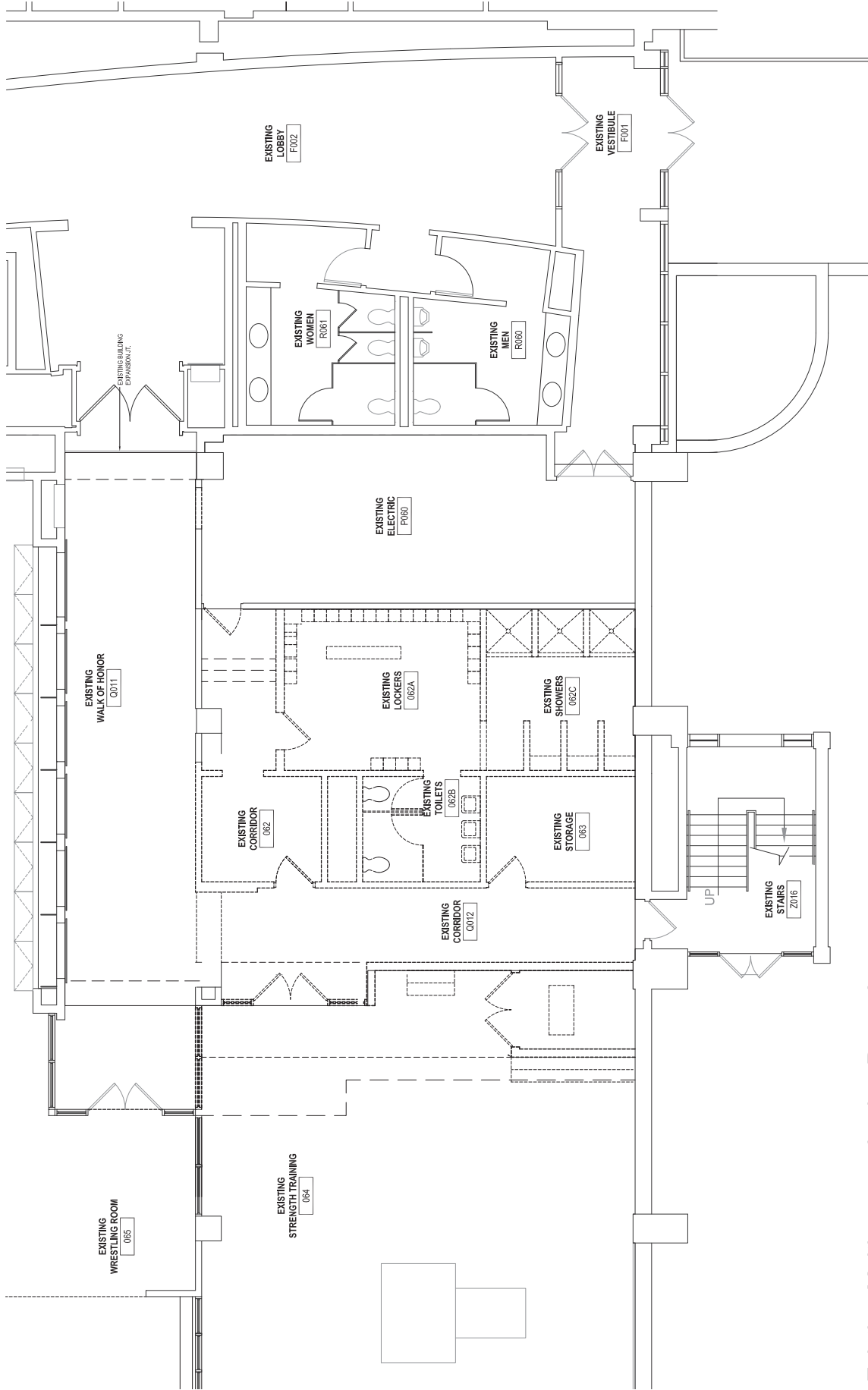


(Appendix II.4)

University Park



University Park

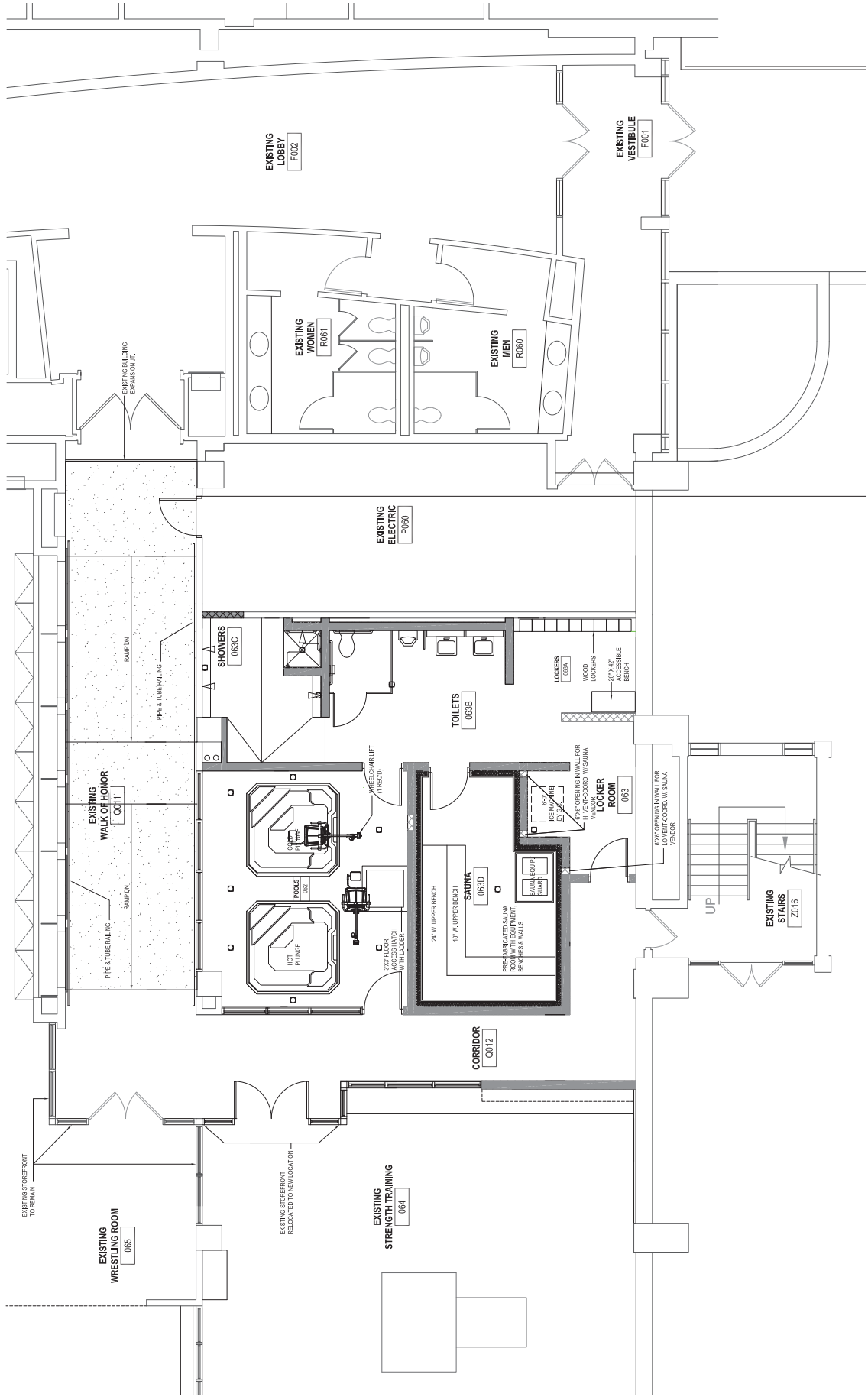


Existing Multipurpose Locker Room Area -
Rec Hall First Floor

University Park

7/22/2016

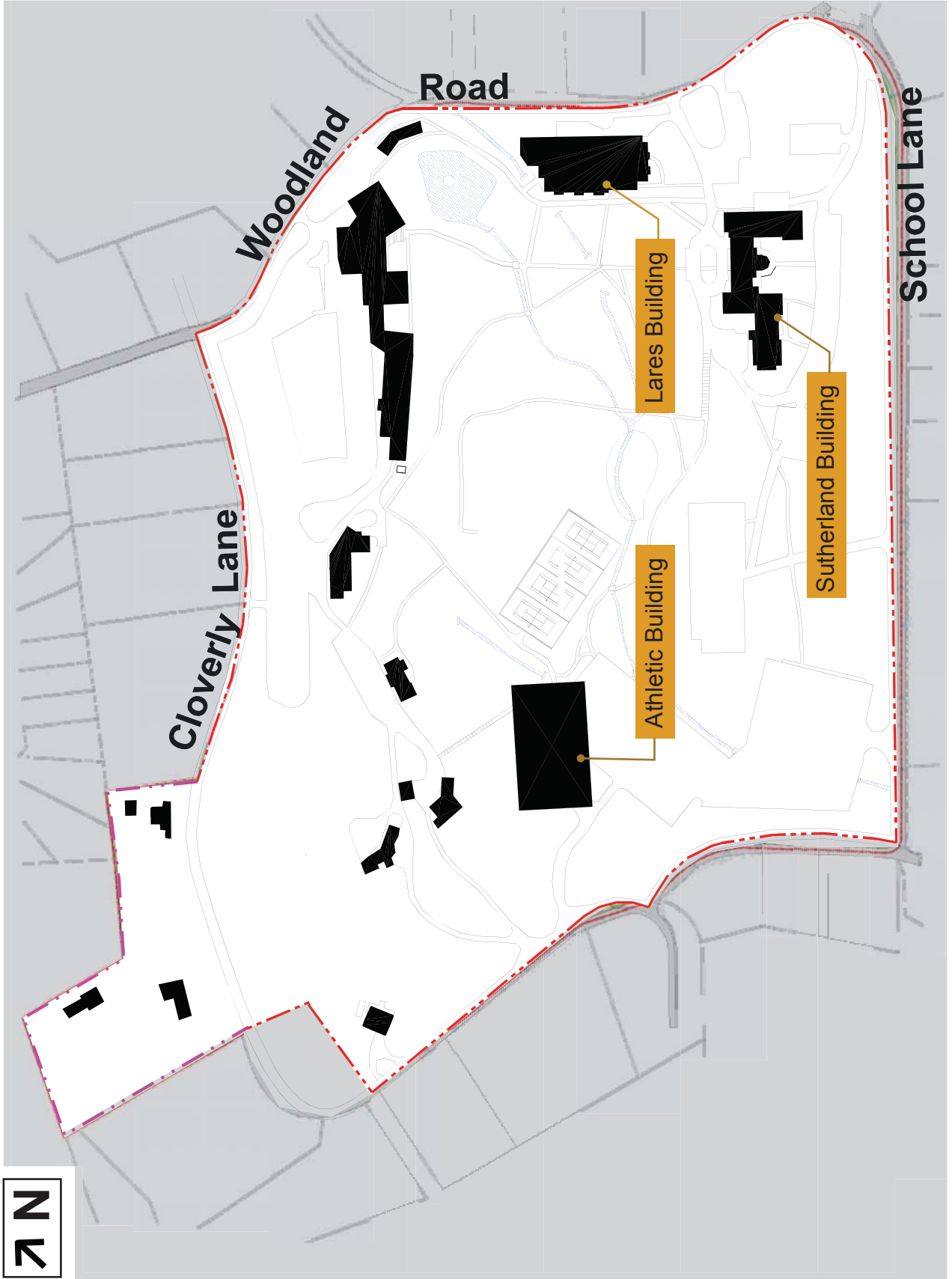
FB&CP



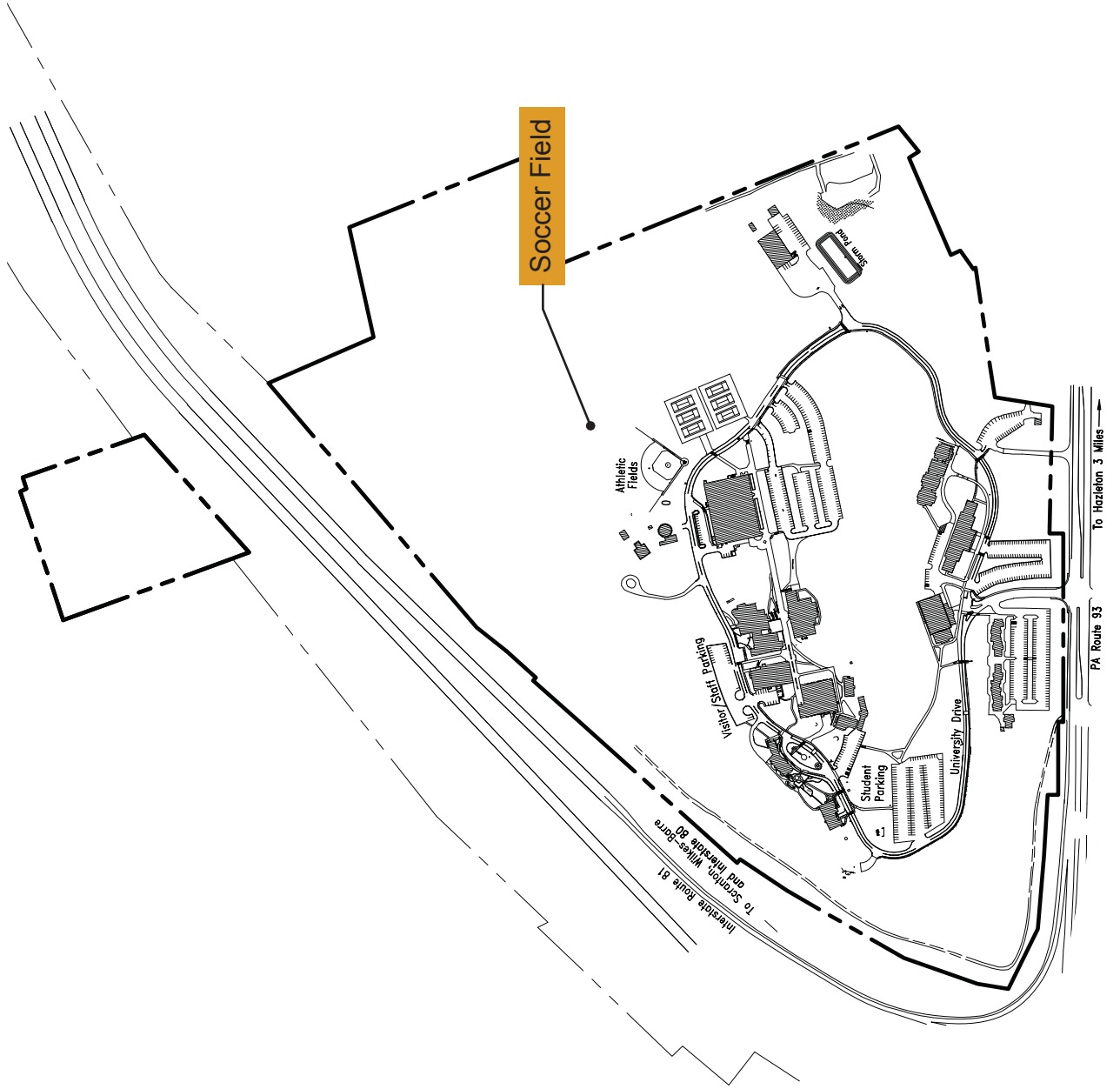
(Appendix II.5)

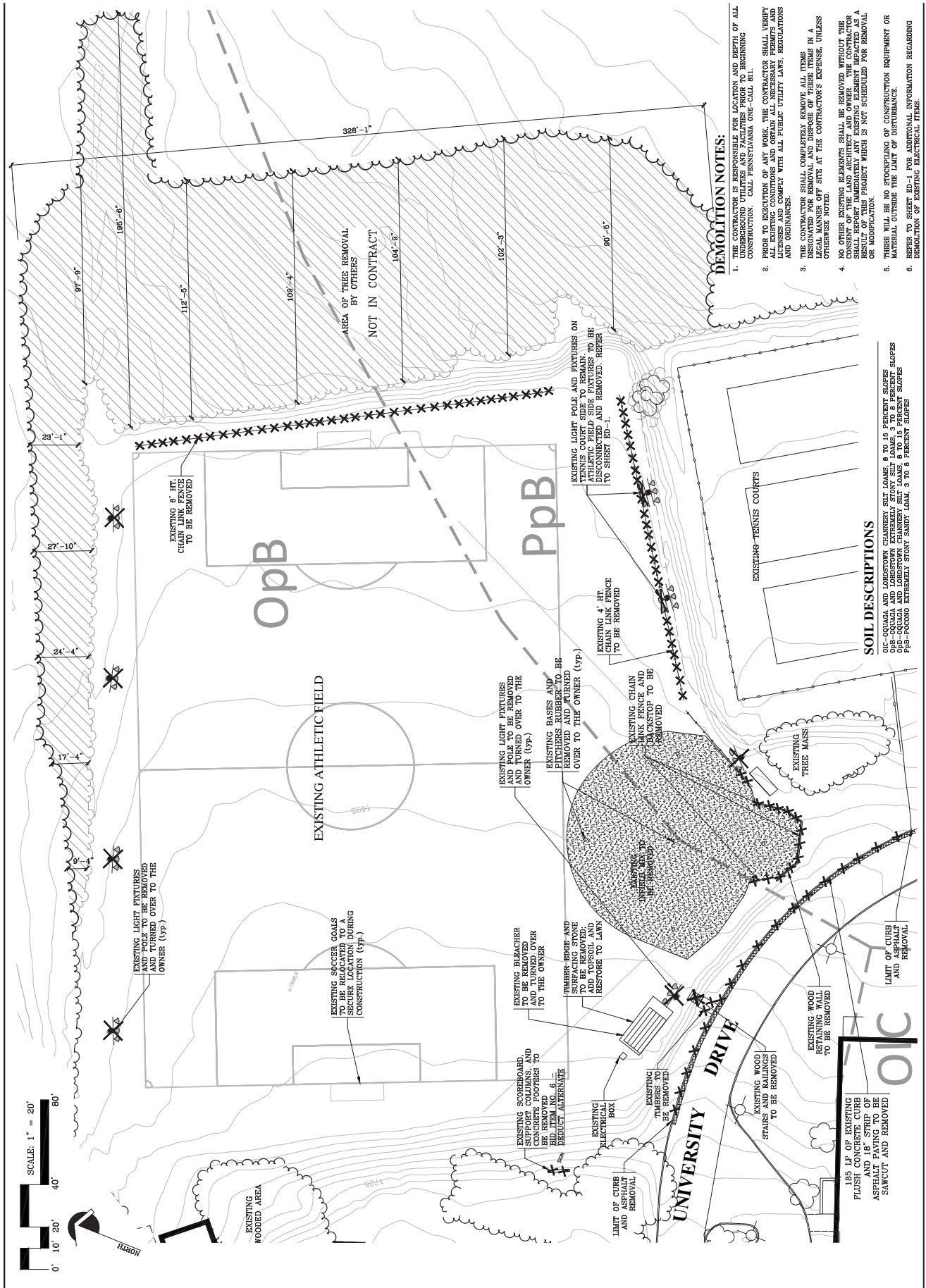
Proposed Hydrotherapy Room -
Rec Hall First Floor

Penn State Abington



Penn State Hazleton





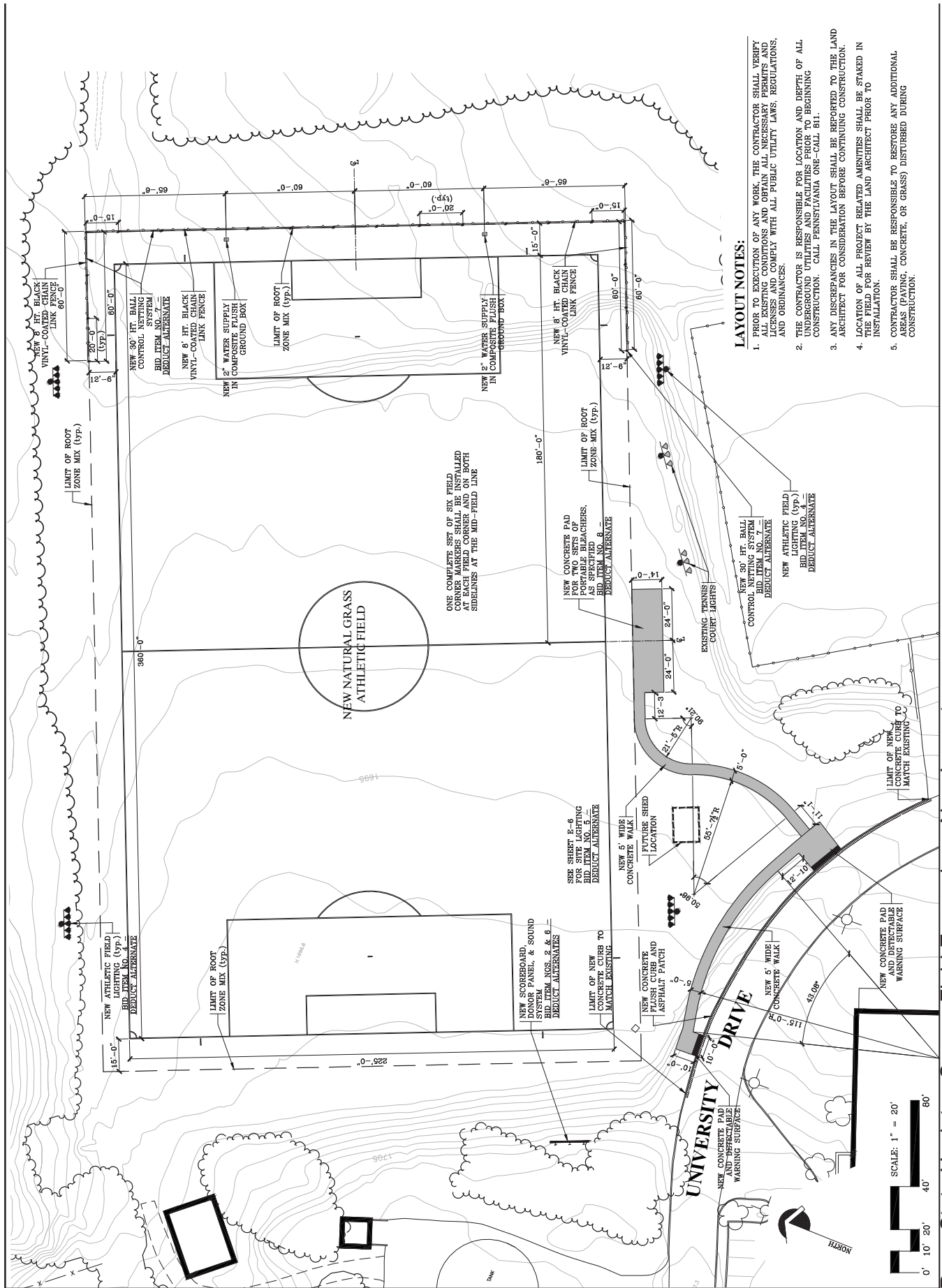
DEMOLITION NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES AND FACILITIES PRIOR TO BEGINNING CONSTRUCTION. CALL PENNSYLVANIA ONE-CALL 811.
2. PRIOR TO EXECUTION OF ANY WORK, THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES WITH THE CITY ENGINEER, LICENSEES AND COMPLY WITH ALL PUBLIC UTILITY LAWS, REGULATIONS AND ORDINANCES.
3. THE CONTRACTOR SHALL COMPLETELY REMOVE ALL ITEMS DESIGNATED FOR REMOVAL AND DISPOSE OF THESE ITEMS IN A MANNER AS SPECIFIED BY THE CITY ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REMOVAL AND DISPOSAL UNLESS OTHERWISE NOTED.
4. NO OTHER REMOVAL REQUIREMENTS SHALL BE REMOVED WITHOUT THE CONSENT OF THE LAND ARCHITECT AND OWNER. THE CONTRACTOR SHALL REPORT IMMEDIATELY ANY EXISTING ELEMENT IMPACTED AS A RESULT OF ANY REMOVAL PROJECT WHICH IS NOT SCHEDULED FOR REMOVAL OR MODIFICATION.
5. ITEMS WILL BE AS SPECIFIED BY CONSTRUCTION EQUIPMENT OR MATERIAL OUTSIDE THE LIMIT OF DISTURBANCE.
6. ITEMS TO SHEET NO. 1. FOR ADDITIONAL INFORMATION REGARDING DEMOLITION OF EXISTING ELECTRICAL ITEMS.

SOIL DESCRIPTIONS

- OIC-OQUAGA AND LORISTOWN CLANNEY SITE (LAME 8 TO 15 PERCENT SLOPES)
- OpB-OQUAGA AND LORISTOWN CLANNEY STONY SOIL (LAME 3 TO 8 PERCENT SLOPES)
- PpB-OQUAGA AND LORISTOWN CLANNEY STONY SOIL (LAME 8 TO 15 PERCENT SLOPES)
- PpB-Peering Extruded Stony Soil (LAME 9 TO 8 PERCENT SLOPES)

Penn State Hazleton Soccer Field Expansion - Existing



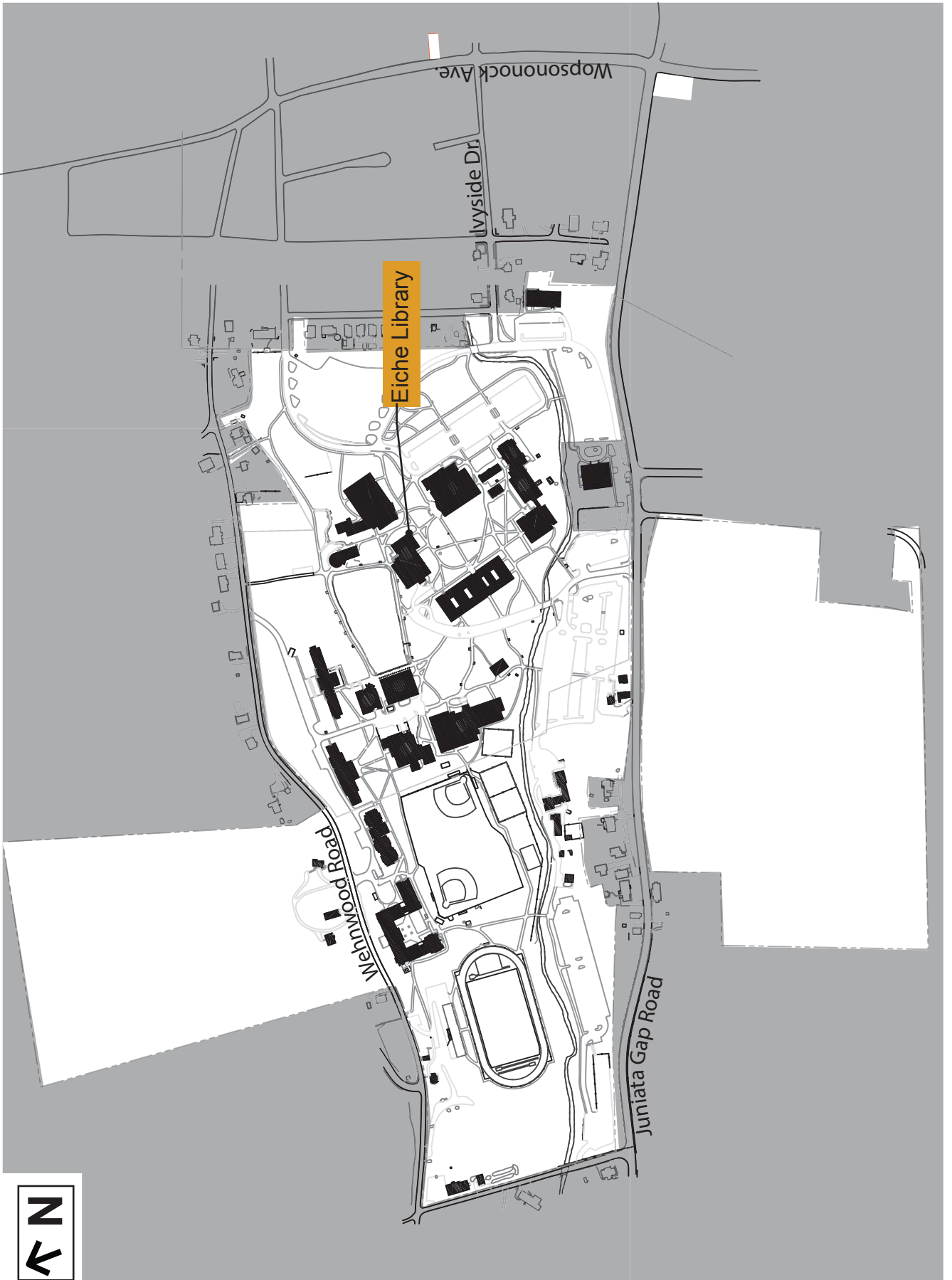
LAYOUT NOTES:

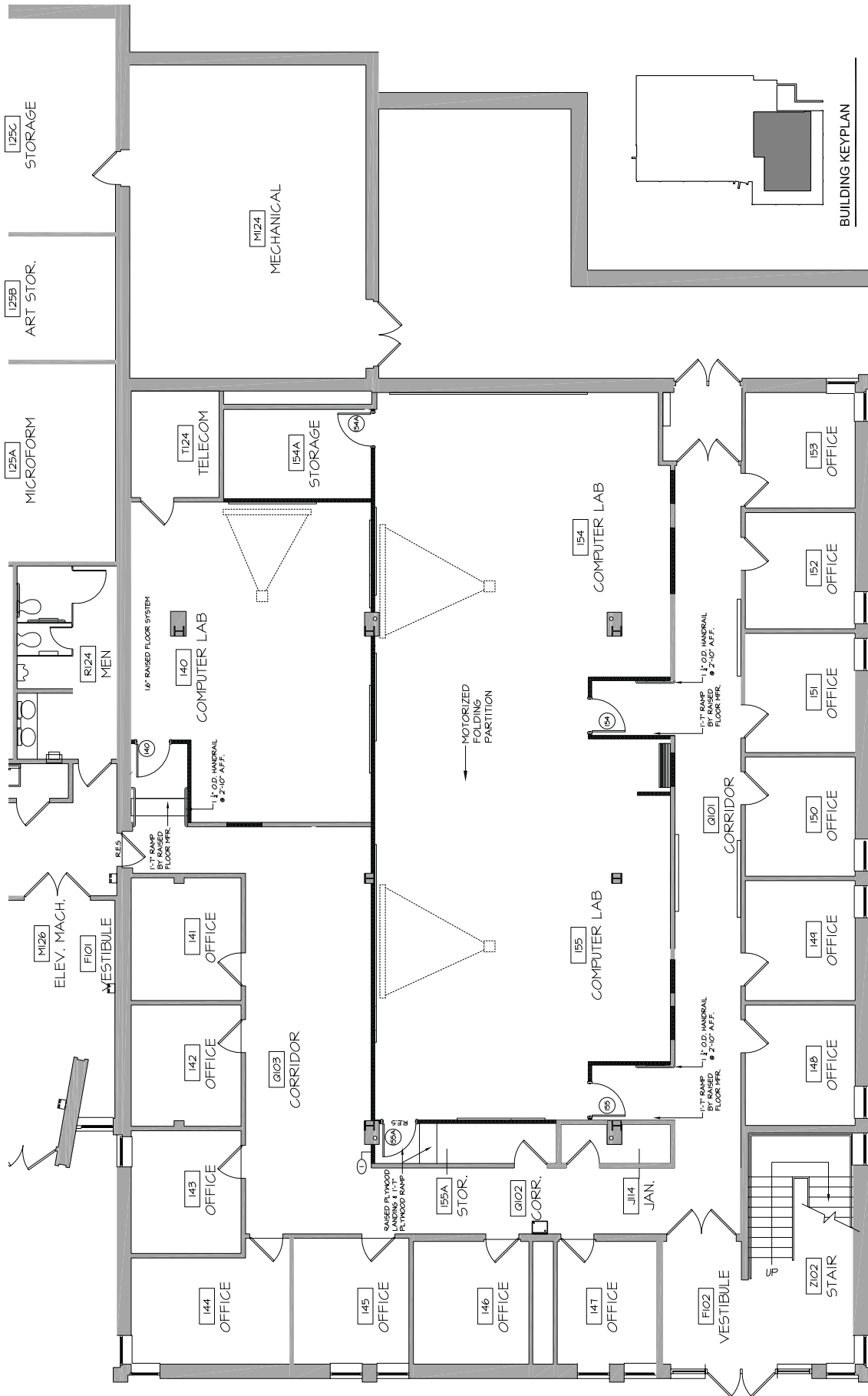
1. PRIOR TO EXECUTION OF ANY WORK, THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND OBTAIN ALL NECESSARY PERMITS AND LICENSES AND COMPLY WITH ALL PUBLIC UTILITY LAWS, REGULATIONS, AND ORDINANCES.
2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES AND FACILITIES PRIOR TO BEGINNING CONSTRUCTION. CALL PENNSYLVANIA ONE-CALL 811.
3. ANY DISCREPANCIES IN THE LAYOUT SHALL BE REPORTED TO THE LAND ARCHITECT FOR CONSIDERATION BEFORE CONTINUING CONSTRUCTION.
4. LOCATION OF ALL PROJECT RELATED AMENITIES SHALL BE STAKED IN THE FIELD FOR REVIEW BY THE LAND ARCHITECT PRIOR TO INSTALLATION.
5. CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE ANY ADDITIONAL AREAS (PAVING, CONCRETE, OR GRASS) DISTURBED DURING CONSTRUCTION.

Penn State Hazleton Soccer Field Expansion - New Layout

(Appendix II.7)

Penn State Altoona

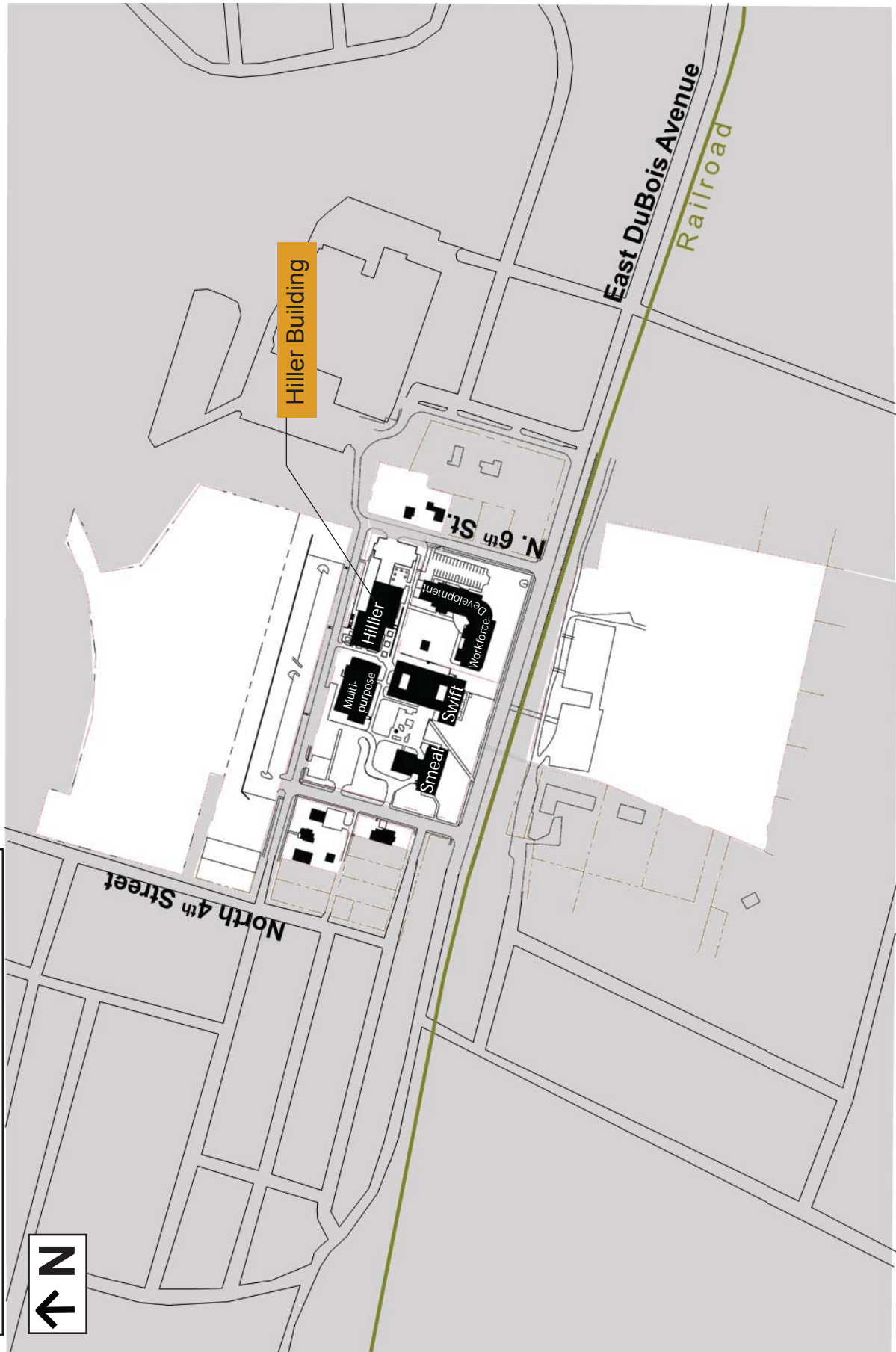




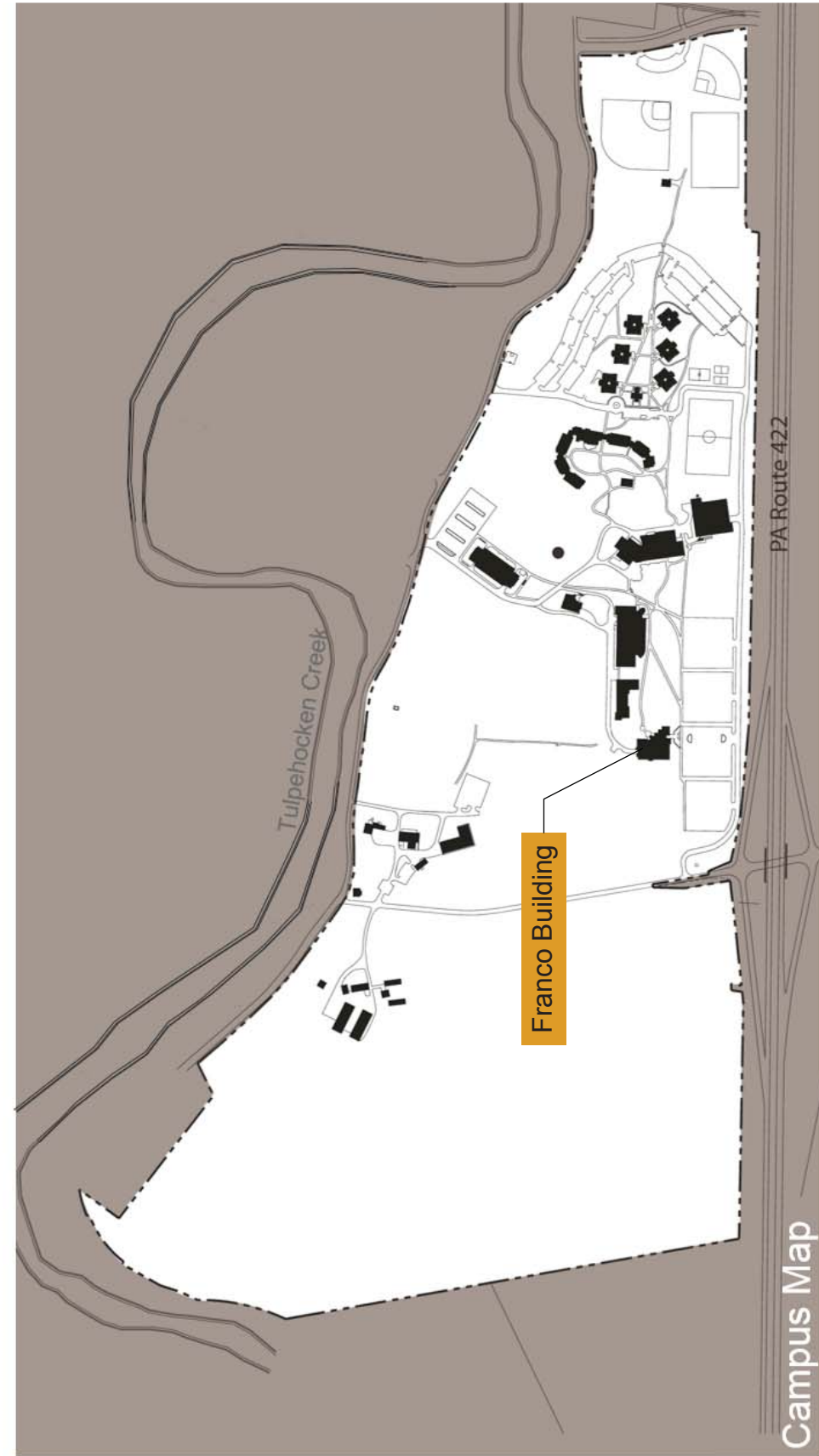
Eiche Library Renovation

(Appendix II.8)

Penn State Dubois



Penn State Berks

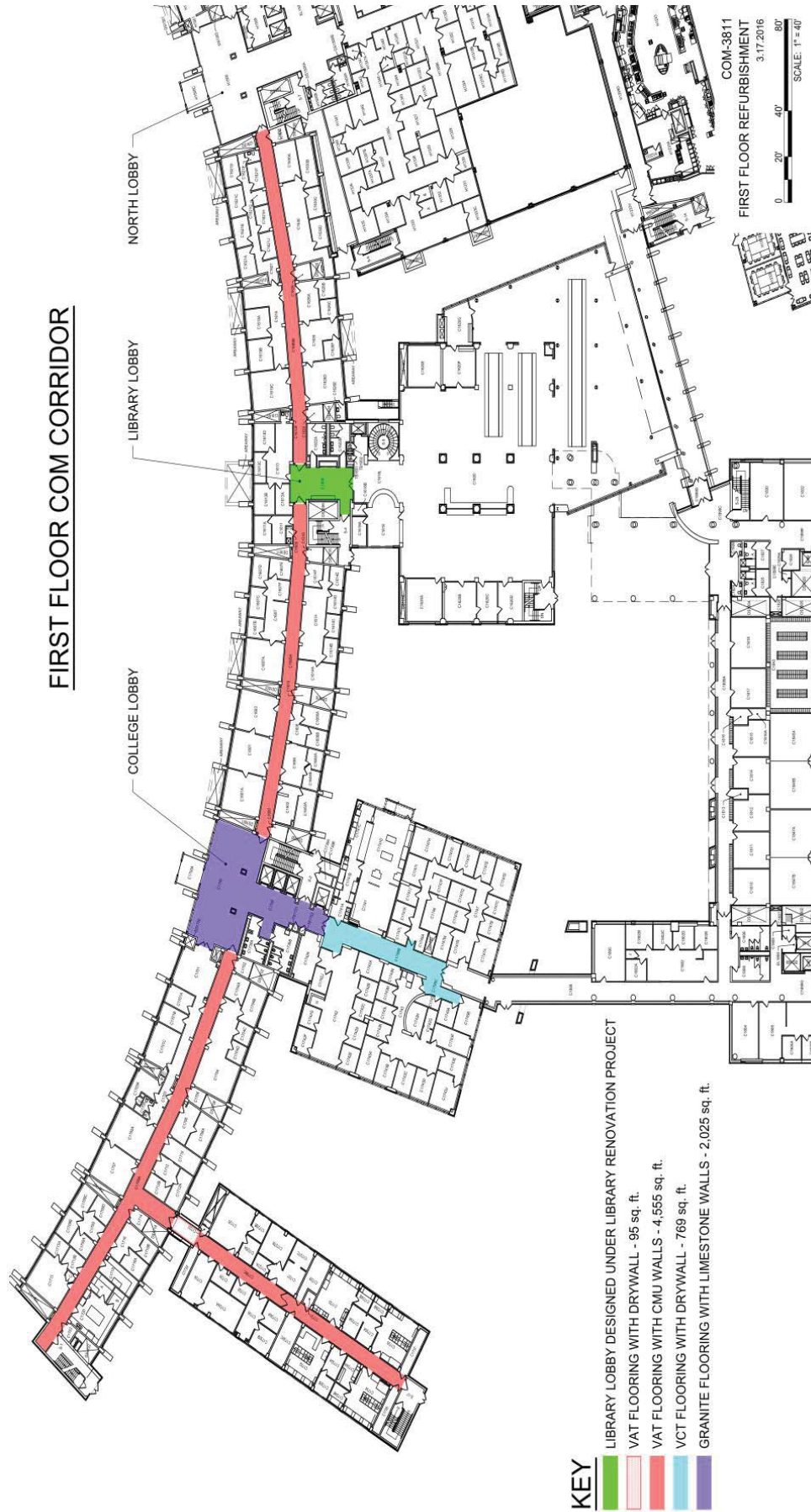


Campus Map

The Milton S. Hershey Medical Center

7/22/2016

FB&CP



(Appendix II.11)

The Milton S. Hershey Medical Center

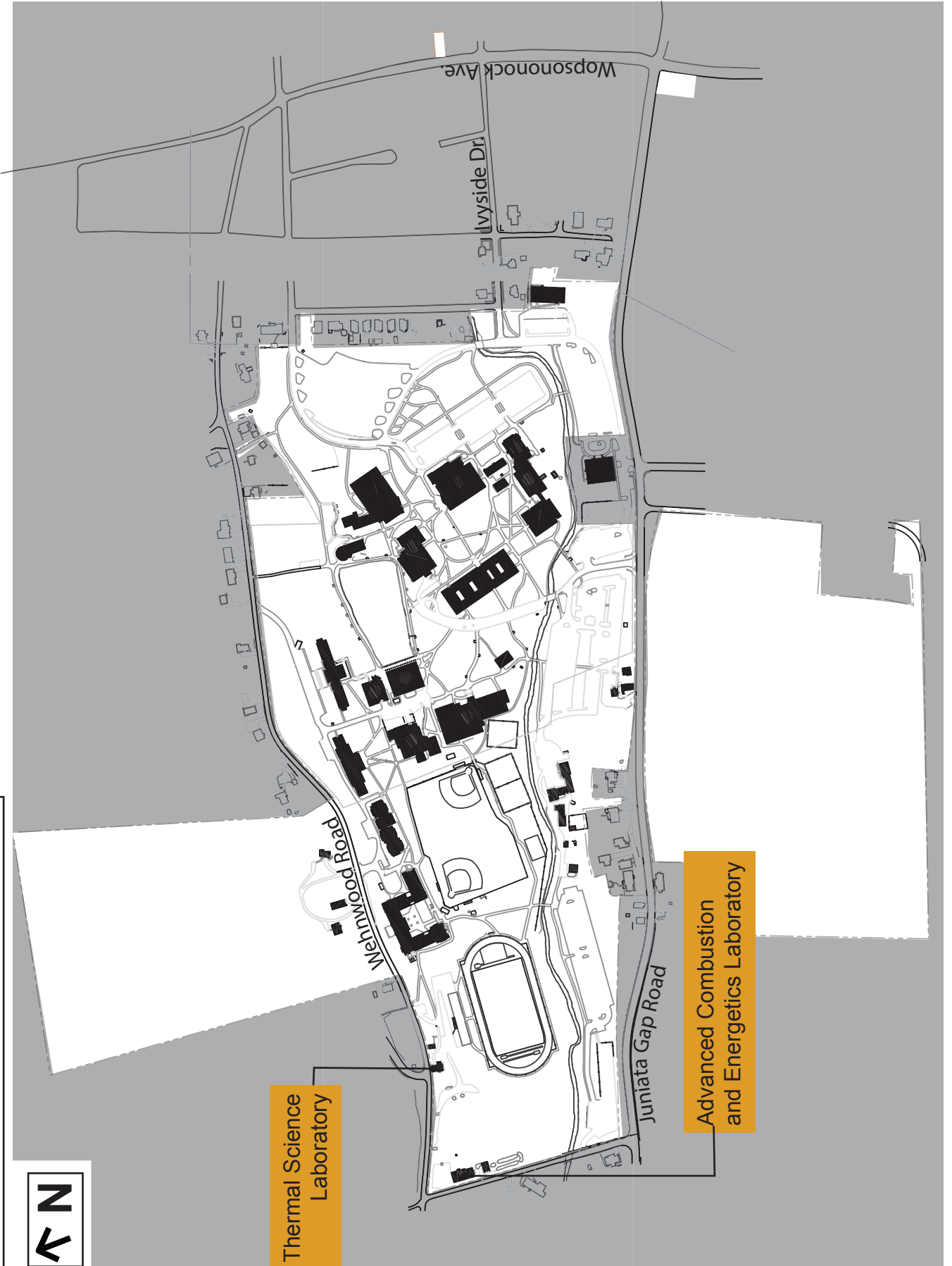


The Milton S. Hershey Medical Center



(Appendix II.11)

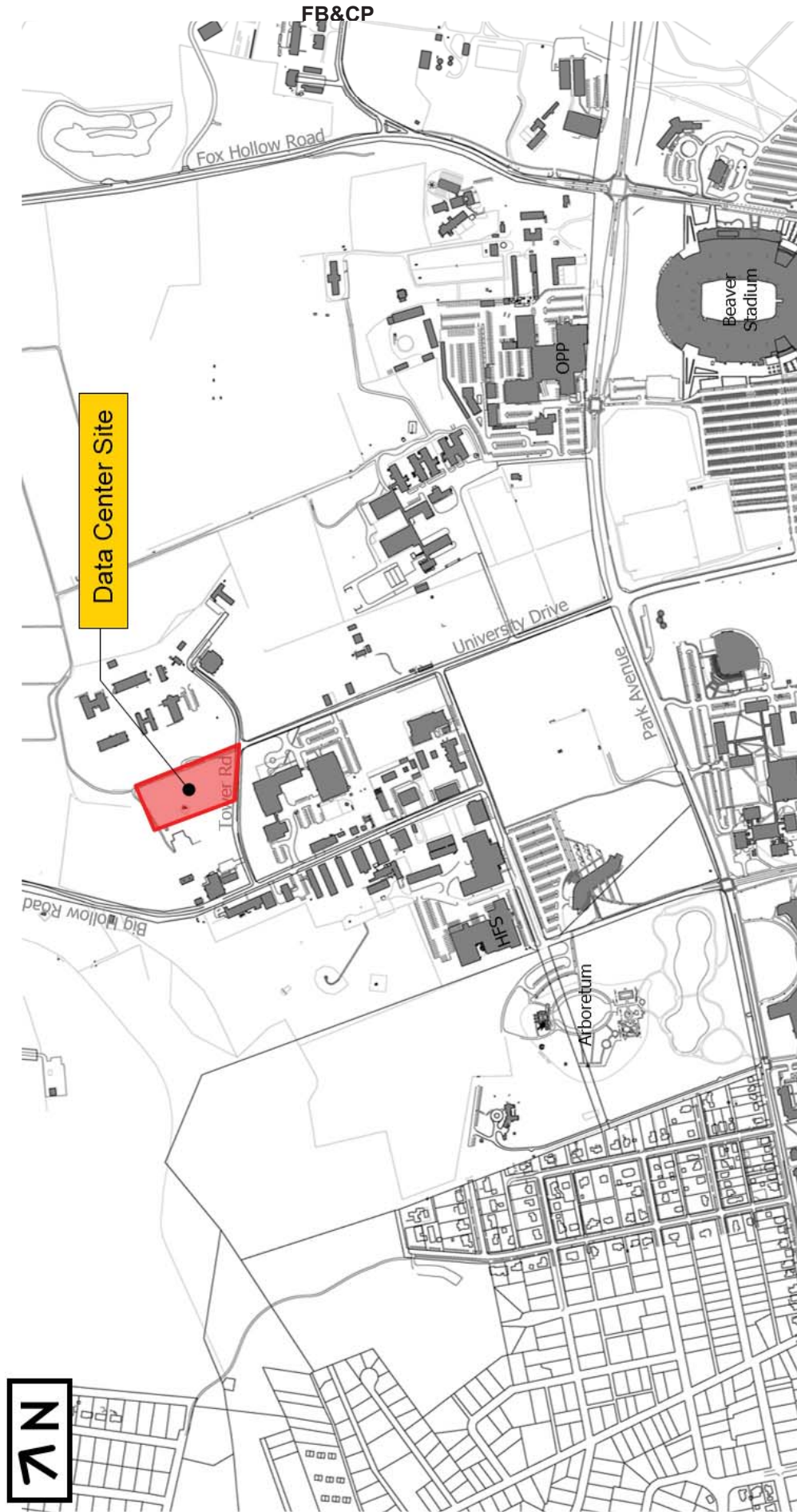
Penn State Altoona



Thermal Science Laboratory

Advanced Combustion and Energetics Laboratory

University Park



University Park



(Appendix II.13)

Tower Road Data Center

Penn State Abington



(Appendix II.14)

Penn State Abington

7/22/2016

FB&CP



(Appendix II.14)

Lions Gate at Penn State Abington
A Student Apartment Community

Penn State Brandywine



Penn State Brandywine

7/22/2016

FB&CP



(Appendix II.15)

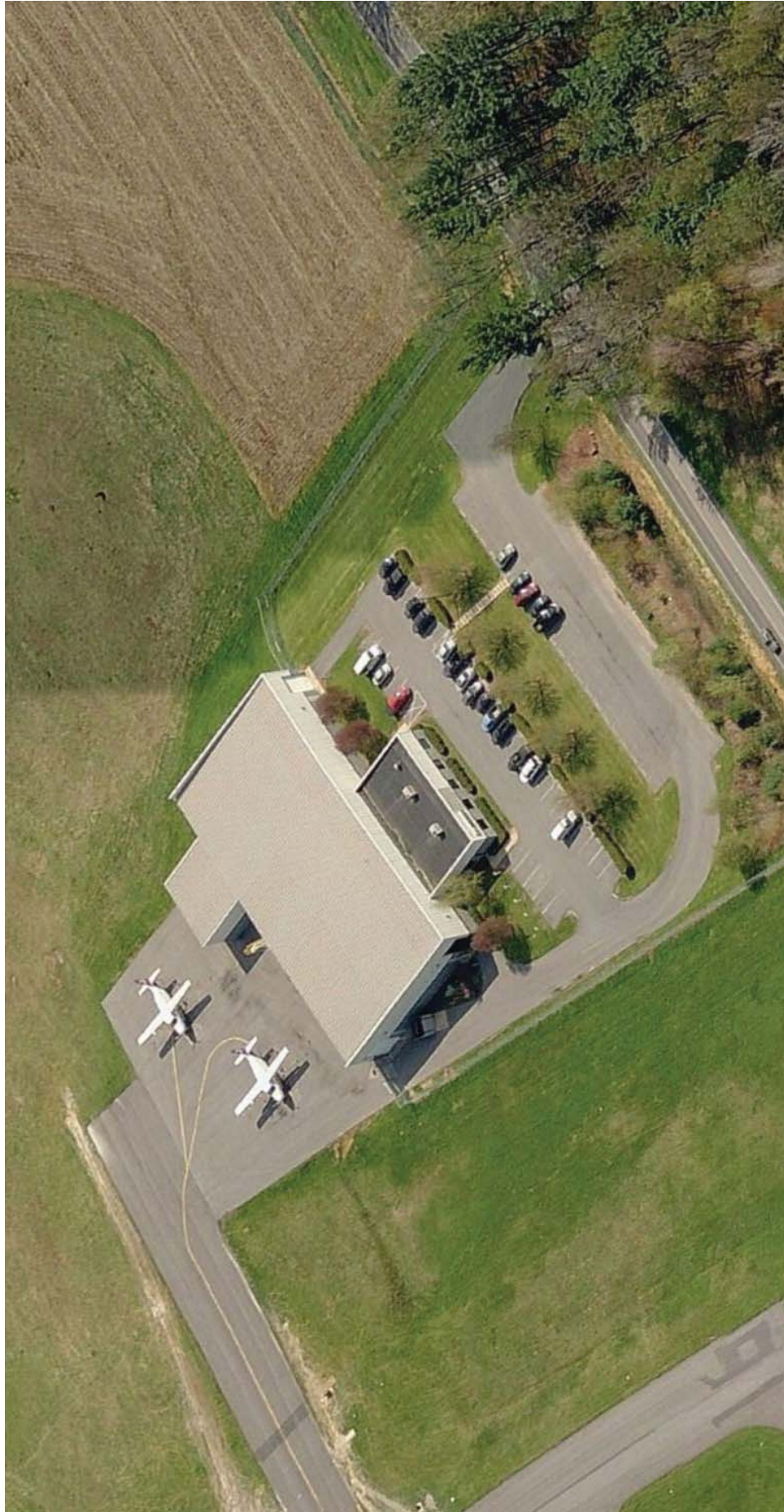
Orchard Hall



(Appendix II.16)



(Appendix II.17)



2175 Fox Hill Road

STATUS OF MAJOR CONSTRUCTION PROGRAMS AND BORROWING (> \$5 Million)
June 30, 2016

Agricultural Digester and Dairy Barn Replacement	\$9,500,000	\$0	\$0	07/15	05/17	06/17	07/18	Project in design.
Agricultural Engineering Building Renewal	\$42,940,000	\$0	\$0	01/15	05/16	08/16	12/17	Project construction to begin in August 2016.
Airport Infrastructure and Site Improvements	\$10,700,000	\$0	\$0	05/15	05/15	06/16	07/17	Construction began in June 2016.
Chemical and Biomedical Engineering Building	\$144,000,000	\$0	\$10,000,000	03/15	09/16	09/16	12/18	Project in design.
Deike Building Renovations	\$15,000,000	\$0	\$0	07/15	TBD	TBD	TBD	Project in design.
East Halls Renovation and New Residence Hall, Phase 1A	\$65,100,000				02/16	03/16	07/17	Construction is approximately 9% complete.
East Halls Renovation and New Residence Hall, Phase 1B	\$106,900,000	\$0	\$0	11/14	02/17	03/17	07/18	Project in design.
East Halls Renovation and New Residence Hall, Phase 1C	\$81,300,000				02/18	03/18	07/19	Project in design.
Environmental Improvements BFP Installations	\$10,500,000	\$7,000,000	\$0	N/A	N/A	06/08	08/17	Project program is approximately 95% complete.
Findlay Dining Commons Renovation	\$25,100,000	\$0	\$0	09/14	11/15	01/16	12/16	Construction is approximately 33% complete.
IM Building Addition Phase III	\$30,000,000	\$0	\$0	03/13	02/16	05/16	08/17	Construction began in May 2016.
Lacrosse Facility Upgrades	\$8,400,000	\$0	\$8,400,000	03/15	TBD	TBD	TBD	Project in design.
Lasch Football Building Locker/Equipment Room Renovation	\$12,000,000	\$0	\$12,000,000	01/15	11/15	01/16	11/16	Construction is approximately 80% complete.
MRL Renovations	\$25,300,000	\$10,760,000	\$0	N/A	09/14	09/14	11/16	Construction is approximately 80% complete.
Recital Hall and Music I Renovation	\$22,100,000	\$19,000,000	\$0	12/15 (DGS)	05/17	05/17	07/18	Project in design.
Recreational Facility Access Modifications	\$7,500,000	\$6,000,000	\$0	N/A	02/16	06/16	12/16	Construction began in June 2016.
Research Building West Renovations	\$7,800,000	\$0	\$0	01/15	09/16	09/16	12/17	Project in design.
Residence Hall at North Halls	\$32,250,000	\$0	\$0	09/14	02/16	03/16	07/17	Construction is approximately 17% complete.
Ritenour Student Center	\$6,510,000	\$0	\$4,200,000	N/A	11/15	01/16	10/16	Construction is approximately 45% complete.
Stedle Renovation	\$52,000,000	\$0	\$0	03/12	05/14	06/14	06/16	Construction is substantially complete.
Transformer Replacement Program	\$11,100,000	\$1,000,000	\$0	N/A	N/A	06/07	07/17	Project program is approximately 92% complete.
Water Treatment Plant and Distribution System Upgrades	\$61,600,000	\$45,000,000	\$0	01/11	03/15	05/15	03/17	Construction is approximately 40% complete.
WCSP Steam Turbine Replacement	\$9,200,000	\$0	\$0	01/11	01/13	12/14	10/16	Construction is approximately 90% complete.
WCSP Steam Production Modifications	\$57,300,000	\$0	\$0	01/11	11/12	02/14	08/18	Construction is approximately 55% complete.
Whitmore Laboratory Renovations	\$31,700,000	\$0	\$0	03/12	09/14	01/15	08/16	Construction is approximately 90% complete.

STATUS OF MAJOR CONSTRUCTION PROGRAMS AND BORROWING (> \$5 Million)
June 30, 2016

Bold - Completed, *Italics* - Projected

Campus	Project Data				BOT Milestones			Construction		Notes
	Project Name	Budget Amount	Commonwealth Funding	Gift Amount	Arch/Eng Selection	Final Plan Approval	Start Date	Completion Date		
Abington	Student Apartment Building	\$50,600,000	\$0	\$0	07/14	12/15	12/15	07/17	Construction is approximately 20% complete.	
Altoona	Adler Building Addition and Renewal	\$24,500,000	\$13,710,000	\$0	12/13 (DGS)	11/15	02/16	08/17	Construction is approximately 20% complete.	
Brandywine	New Residence Hall	\$31,500,000	\$0	\$0	07/14	12/15	03/16	07/17	Construction is approximately 5% complete.	
	Student Union	\$19,600,000	\$0	\$0	07/14	12/15	03/16	07/17	Construction is approximately 10% complete.	
Erie	Trippe Hall	\$25,000,000	\$0	\$0	11/15	11/16	12/16	07/18	Project in design.	
Harrisburg	Student Enrichment Center	\$30,000,000	\$0	\$1,000,000	11/13	03/15	04/15	08/16	Construction is approximately 95% complete.	
Hazleton	Kostos Building Renewal	\$15,500,000	\$12,000,000	\$0	10/14 (DGS)	02/16	05/16	10/17	Construction began in May 2016.	
Hershey	Combined Heat and Power Plant	\$22,500,000	\$0	\$0	11/15	09/16	10/16	12/17	Project in design.	
	Women's Health Inpatient Renovations, Phase II	\$11,000,000	\$0	\$0	11/15	05/16	06/16	12/17	Construction began in June 2016.	
York	Ruhl Student Center and MP Building Addition and Renovation	\$13,500,000	\$0	\$1,000,000	11/13	09/15	09/15	09/16	Construction is approximately 40% complete.	

Summary of University Long-Term Debt - \$(000) (excluding PCT)

Total Bonds, Notes and Capital Leases as of June 30, \$891,754
 Bonds, Notes, and Capital Leases Issued Year to Date Fiscal Year 2016: \$197,043
 Amortizations (\$35,610) *

Estimated Bonds, Notes and Capital Leases as of June 30, 2016 (unaud) \$1,053,187

* Related Interest Expense Totals Approximately \$30,221

Authorized Borrowing Status - \$(000) (excluding PCT)

Borrowing Authority per September 2013 Board of Trustees \$750,000
 Capital Leases, Bonds, & Notes Issued (\$309,260)
 Future Capitalized Leases & Other Anticipated Commit (\$17,560)
 Estimated Authority Remaining \$423,180

Penn State Beaver

Michael Baker Building Renovation - Final Construction Report



West elevation



Updated Engineering Classroom



Organic Chemistry Lab and hallway with natural light

- Completion - June 2016
- \$9,500,000 Authorized
- **\$8,649,423 Final Cost**

SCOPE:

This project is a full renovation of the 26,000 SF facility. First floor renovations include an update of chemistry and organic chemistry labs and classrooms, IST spaces, an art studio, offices and renovation of existing rest rooms. The ground floor is reconfigured to house new physics and engineering labs and classrooms, media space, a learning factory, offices and support spaces.

University Park

HFS Warehouse and Bakery Expansion - Final Construction Report



Northeast elevation



New dry goods storage



Expanded refrigeration cooler

- Completion - May 2016
- \$15,500,000 Authorized
- \$15,500,000 Final Cost

SCOPE:

The project includes approximately 40,000 SF of renovation work and 20,000 SF of added space. The renovations include new blast freezers, improved work flow to eliminate conflicts, a reorganized bakery, office space and building security upgrades. The expansion increases capacity of freezer, cooler and dry goods storage. Aging and inefficient building systems are replaced.

University Park

Morgan Academic Center for Student-Athletes - Final Construction Report



Main Entrance



Student-athlete lounge/reading room



Large classroom divides into two smaller classrooms

- Completion - May 2016
- \$7,200,000 Authorized
- \$7,200,000 Final Cost

SCOPE:

This project consolidates the Morgan Academic Support Center into one location, previously housed at four campus locations. All services and staff are in one place to better support student-athletes. Renovations to the Greenberg Sports Complex include new office space, a large classroom, multi-media interview room, a student lounge, learning skills lab and a conference room.

University Park

7/22/2016

FB&CP

Data Center - Final Construction Report



South elevation



Secure single-person entry



White space

- Completion - June 2016
- \$58,000,000 Authorized
- \$55,000,000 Final Cost

SCOPE:

The new 55,400 SF data center supports administrative and research computing for University Park and business continuity and disaster recovery for Hershey Medical Center. The first floor houses offices, mechanical and electrical space. White space and operations center are located on the second floor. The energy efficient data center has infrastructure to support 1.75 megawatt load and is designed for significant future expansion.

University Park



New Residence Hall Site Plan

University Park

7/22/2016

FB&CP



View from South

Robinson Hall

(Appendix III)

University Park



New Residence Hall Site Plan - East Halls

University Park



Earle Hall