BOARD OF TRUSTEES

Board of Trustees Meeting

June 29, 2021
9:00 AM – 11:00 AM

Florida Polytechnic University
WEBEX TELECONFERENCE MEETING

Dial in: 1-415-655-0001 | Access code: 161 313 2530#

MEMBERS

Cliff Otto, Chair	Mark Bostick, Vice Chair	Dr. W. Earl Sasser
Dr. Laine Powell	Gary C. Wendt	Bob Stork
Samantha Ashby	Beth Kigel	Dr. Ala' J. Alnaser
Lyn Stanfield	Dr. Narendra Kini	

AGENDA

I.	Call to Order	Cliff Otto, Chair
II.	Roll Call	Kristen Wharton
III.	Public Comment	Cliff Otto, Chair
IV.	Approval of the May 3, 2021 Minutes *Action Required*	Cliff Otto, Chair
V.	Campus Master Plan DRAFT *Action Required*	David Calhoun, AVP Facilities & Safety Services
VI.	Applied Research Center (ARC) GMP 03 *Action Required*	David Calhoun
VII.	2022-2023 Capital Improvement Plan (CIP) *Action Required*	David Calhoun
VIII.	2022-2023 Legislative Budget Request (LBR) *Action Required*	Randy K. Avent, President
IX.	Extension of Ground Maintenance Contract	Penelope Farley, AVP, Controller
X.	Student Code of Conduct *Action Required*	Gina DeIulio, VP General Counsel

XI.	Review Performance Based Funding (PBF) Metric 10 *Action Required*	Terry Parker, EVP and Provost
XII.	Closing Remarks and Adjournment	Cliff Otto, Chair

Board of Trustees Meeting

DRAFT MEETING MINUTES

Monday, May 3, 2021
9:00 AM – 11:00 AM

Florida Polytechnic University
WEBEX TELE-CONFERENCE MEETING

I. Call to Order

Chair Cliff Otto called the meeting to order at 9:00 a.m.

II. Roll Call

Kris Wharton called the roll: Chair Cliff Otto, Vice Chair Mark Bostick, Trustee Ala' J. Alnaser, Trustee Lyn Stanfield, Trustee Laine Powell, Trustee Samantha Ashby, Trustee Earl Sasser, Trustee Bob Stork, Trustee Beth Kigel, Trustee Narendra Kini, and Trustee Gary Wendt were present (Quorum).

Staff present: President Randy Avent, Provost Terry Parker, Ms. Gina DeIulio, Mrs. Kathy Bowman, Mrs. Kris Wharton, Dr. Tom Dvorske, Mr. Alex Landback, Mr. David Blanton, Mr. Rick Maxey, Mr. David Calhoun, Mr. David Brunell, Ms. Penney Farley, Mrs. Maggie Mariucci, Ms. Melaine Schmiz

III. Public Comment

There were no requests for public comment.

IV. Chairman's Remarks

Chair Cliff Otto recognized Connor Coddington for his contributions to the Board of Trustees this past year by reading a resolution in his honor. Mr. Coddington expressed his gratitude for the opportunity to serve the University. Chair Otto then officially welcomed Trustee Samantha Ashby as the new student representative on the Board.

Chair Otto also recognized Mr. Rick Maxey, AVP, Office of Diversity and Inclusion, who is retiring this summer. After the Chair read the resolution in Mr. Maxey's honor, Mr. Maxey shared a few words about his time at Florida Poly and expressed his appreciation to the Board and administration.

V. President's Remarks

President Randy Avent commended Rick Maxey for his service the past eight years. He also provided comments on Commencement, as well as the budget approved by the legislature, which is now in the 15-day period in which the Governor can veto line items. As of now, Florida Poly has received capital funding of $14.8M to finish construction of the Applied Research Center (ARC), authority to move forward with construction of a building for FIPR Institute, Performance Based Funding (PBF) in the amount of $4.5M, and a return of the 6% holdback from last year's budget.

VI. Operations Plan 2020-2021 Update

President Avent provided an update on the University's progress with the 2020-2021 operations plan. He highlighted progress in the six areas of focus, including admissions, student progression, student experience, graduate program, university funding, and faculty development. There were no questions or discussion.

VII. Review of Board of Governors' Mental Health Task Force Report on SUS Kognito training

Provost Terry Parker explained Kognito is the training used for mental health literacy of all employees across the SUS. He stated the University will be able to report to the Board of Governors that 100% of full-time faculty, 100% of full-time staff, and 100% of staff with direct student contact, including active adjuncts for fall 2020/spring 2021, resident assistants, and visiting faculty, have completed this training.

Trustee Narendra Kini asked for clarification on Kognito's purpose. Provost Parker stated its primary purpose is to educate employees on how to recognize signs of distress in the students they work with and know how and where to refer them to for help.

Trustee Gary Wendt returned to the previous subject of the President's update and inquired about "coding certificates". Provost Parker explained a student is given a certificate once they complete 18 hours of software coding classes. The size of this group is approximately 100 students for the incoming fall class, and most are either computer science or data science students.

VIII. Consent Agenda

Chair Otto read the list of items to be approved on the consent agenda:

A. Audit and Compliance Committee
   1. Approve the selection of Independent Validators to perform the required review of the University's Compliance and Ethics Program.

B. Governance Committee
   1. Approve Regulation FPU-5.003 Textbook and Instructional Materials Selection and Affordability
   2. Approve Regulation FPU-5.005 Academic Integrity
   3. Approve Regulation FPU-8.001 Procurement
   4. Approve Policy FPU-1.001AP Policy Creation and Development Process – Academic Policies
   5. Approve President's Goals 2021-22

C. Finance and Facilities Committee
   1. Approve the 2021-22 Foundation Anticipated Use of University Resources
   2. Approve Foundation Board Appointments:
      a. Adrian Muhammad b. Michael Tschanz c. Ryan Whittemore
      and Foundation Board Reappointments:
      a. Alice Hunt b. Lauren Schwenk c. Seretha Tinsley

D. Academic & Student Affairs Committee
   1. Approve the 2021-2022 Academic Calendar and the 2022-2023 Academic Calendar

E. Board of Trustees
   1. Approve the February 17, 2021 Board of Trustees Meeting Minutes

As each of the consent agenda items comes before the Board with unanimous

approval from the respective Committees, there is no need for a second. A vote was taken, and the motion passed unanimously.

IX. Committee Reports

A. Audit and Compliance Committee

Trustee Bob Stork shared the items reviewed by the Committee, including the Audit and Compliance Update, Foundation 990, University Financial Audit, Compliance Program Review, Textbook Monitoring Review for Spring 2021, and BOG Regulation 3.003 – Fraud Prevention and Detection. There was one action item for the approval of the peer review process and the external validation team, which was approved in today's consent agenda.

B. Finance and Facilities Committee

Chair Cliff Otto reviewed the following items discussed in Committee, including the University's third quarter financials, an ARC update, contracts over $200,000 and over $500,000, an update on the P3 and ITN for the new research facility, and Advancement and Foundation updates.

Based on Friday's legislative approval of the state budget, Mr. David Calhoun presented updated information on the 2022-2023 Capital Improvement Program (CIP) request. This proposal includes two funding options, each dependent on the actions of the Governor in the next 15 days. Chair Otto clarified the Administration is requesting the Board approve both options today so the University can proceed accordingly once the Governor approves the budget. President Avent further clarified the CIP is not about *where* the building is located; it is simply about *funding* the building. Trustee Laine Powell asked what the options are if the ARC is not fully funded; President Avent stated the University will build out the first-floor office space and a few labs only.

Trustee Gary Wendt made a motion to approve the University Capital Improvement Plan (CIP) for the 2022-2023 fiscal year. This approval includes two options, contingent upon PECO funding:

1. **If no PECO funds are received, a partial buildout of the first floor of the Applied Research Center (ARC) will occur, and the University's request for FY 22-23 PECO funds will be $12.6 million for the ARC.**
2. **If the University receives full funding for the ARC, the next priority will be Academic Building 3, followed by the Student Achievement Center, and the FY 22-23 PECO fund request will include a request of $12.7 million to begin Phase 1 for design and construction of Academic Building 3.**

Trustee Narendra Kini seconded the motion; a vote was taken, and the motion passed unanimously.

Ms. Penney Farley provided an updated FY21-22 University Operating Budget. She stated the primary difference in this budget from the budget presented at last week's Committee meeting is the addition of Performance Based Funding (PBF) revenue in the amount of $4.5M. Ms. Farley stated the University has a balanced budget with E&G funds at $44,482,608. No funds have been allocated for Carry Forward at this time; a proposal for Carry Forward will be brought to the Board in September.

Trustee Bob Stork made a motion to approve the University Operating Budget for the 2021-2022 fiscal year. Trustee Gary Wendt seconded the motion; a vote was taken, and the motion passed unanimously.

Trustee Stork stated he appreciates the new format of the operating budget.

C. Governance Committee

Trustee Mark Bostick shared the Governance Committee had three regulations and one policy to review which were included in today's consent agenda. Additionally, President Avent presented his proposed Operational Goals for 2021-22 which were approved and also included in today's consent agenda.

D. Strategic Planning Committee

Trustee Wendt stated the Committee reviewed the Campus Master Plan (CMP) and heard a presentation from Dr. Traki Taylor, Chief Diversity, Equity, and Inclusion Officer for the Board of Governors. Dr. Taylor shared the Board of Governors' strategic diversity, equity, and inclusion priorities for the State University System. Mr. Rick Maxey then presented a stoplight chart to show how Florida Poly is progressing in these strategic areas.

E. Academic & Student Affairs Committee

Trustee Earl Sasser shared the Committee approved the academic calendars for the upcoming two years; these calendar approvals were included on today's consent agenda. He also reviewed the content of the Provost's report which included a forecast for the incoming student body, efforts to promote student engagement, progress on faculty hiring, concerns over student learning loss due to COVID, and progress on the upcoming accreditation reaffirmation.

Trustee Kini commented President Avent stated in the Governance Committee the most significant thing for the University to focus on this next year is Academic Progress Rate (APR). Trustee Sasser stated APR is the item he wants trustees to remember most.

F. Executive Committee

Chair Otto reported that on April 20, the Executive Committee met to discuss the 2021-2022 University Accountability Plan, a document that needed Board approval prior to the Board of Governors submission deadline of May 1. The majority of the presentation and discussion focused on the University's Performance Based Funding metrics. With two small adjustments to the document, this plan was approved by the Executive Committee, and has subsequently been submitted to the Board of Governors.

X. Board of Trustees Meeting Schedule

Chair Otto reviewed the Board of Trustees meeting schedule through May 2022.

XI. Board of Governors Meeting Schedule

The next meeting of the Board of Governors is scheduled for June 22-23, 2021 at the USF, St. Petersburg Campus.

XII. Closing Remarks and Adjournment

With no further business to discuss, the meeting adjourned at 10:38 a.m.

AGENDA ITEM: V.

Florida Polytechnic University

Board of Trustees

June 29, 2021

Subject: Campus Master Plan DRAFT

Proposed Action

Approve the Draft Campus Master Plan (CMP).

Background Information

Today, we present the five-year update to the Campus Master Plan for your review and approval. This Draft Master Plan requires BOT approval to begin the 90-day Agency Review which is the next step in the update process.

Florida Poly's Campus Master Plan was adopted in 2016 and demonstrates the types, general location, and approximate size of buildings on the campus over 10 years. *Florida Statute requires that the Campus Master Plan be updated every 5 years.*

Facilities' needs stem from projected enrollment which determines faculty and staff needs, along with various types of space needs. This Draft Campus Master Plan has been updated to include current student, faculty, and staff projected facility needs. The content arrangement within the Draft Campus Master Plan *remains the same with minor updates to plan elements* (Academic Mission and Program, Future Land Use, Transportation, Housing, General Infrastructure, Conservation, Recreation and Open Space, Intergovernmental Coordination, and Capital Improvement).

The Draft Campus Master Plan *also reflects the adjustment in facility priority* based on space needs. The supporting documentation (PowerPoint presentation) will speak to the priorities of facilities, as well as additional parcels allocated for future spaces (P3's, and Mechanical Shop for Environmental Engineering).

Supporting Documentation: Draft Campus Master Plan, PowerPoint Presentation

Prepared by: David Calhoun, Assistant Vice President, Facilities and Safety Services

Florida Polytechnic University
Campus Master Plan 2021-2031

Prepared by:

Department of Facilities and
Safety Services
Florida Polytechnic University

Straughn Trout Architects LLC
Lakeland, Florida

CivilSurv Design Group, Inc.
Lakeland, Florida

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Introduction

Florida Polytechnic University (Florida Poly) is the newest of the state's 12 public universities and the only polytechnic institution in the State University System of Florida. The Florida Polytechnic campus in Lakeland opened for instruction in August of 2014. To date, campus construction has included the iconic Innovation, Science & Technology (IST) Building, the first two campus residence halls, and smaller buildings that currently serve as Admissions Office, Wellness Center and Campus Control Center. The Student Development Center was completed in 2018 and the Applied Research Center is currently under construction planned to be completed in Spring 2022. Future development will proceed in accordance with this plan, the Florida Polytechnic University Campus Master Plan 2021-2031, which updates the 2015-2025 Master Plan that provided a framework for first phases of construction on the campus.

Florida Poly was formally established as Florida's 12th public university on April 20, 2012. Prior to its establishment as an independent university, the institution was part of the University of South Florida and occupied a joint-use campus with Polk State College in Lakeland. This is the second Campus Master Plan prepared for Florida Polytechnic as an independent university.

Florida Statute (§ 1013.30 Fla. Stat.) requires Campus Master Plans to be updated every five years. The statute also requires that plans contain elements relating to future land use, transportation, housing, general infrastructure, conservation, recreation and open space, intergovernmental coordination, and capital improvements. Optional elements may also be addressed; the University's academic mission and program is included in this plan but is not subject to review under the state requirements.

The Campus Master Plan includes goals, objectives and policies for each plan element. Each goal is preceded by a brief introduction and is followed by a series of objectives and policies. Overall, these goals, objectives and policies are intended to guide campus development for the 10-year planning horizon. Goals, objectives, policies and specific plan recommendations are based on supporting data as well as an evaluation of the goals, objectives and policies that were adopted in the 2015-2025 Master Plan (see Appendix 2: Data Collection and Analysis Report and Appendix 3: Evaluation and Appraisal Report for additional details). Illustrative master plan maps and graphics are included in Appendix 1 (Figures), and an updated traffic, water and wastewater demand is included in Appendix 4.

This plan has been developed in accordance with the requirements of § 1013.30 Fla. Stat. and Chapter 21 of the Florida Board of Governors Regulations. It has also been designed to promote the five guiding principles of Florida Polytechnic – Continuous Innovation, Empowerment, Responsiveness, Collaboration and Courage. It is the hope of all involved with the preparation of this master plan that the Florida Polytechnic campus will promote the University's mission to prepare students for a future where knowledge, innovation, adaptability and high-tech skills are needed to compete in a rapidly changing economy.

Chapter 1: Academic Mission and Program

I. Academic Mission

Florida Poly is the state's newest and most innovative university, engineered from the ground up to push the boundaries of education in science, technology, engineering, and math (STEM). Located in Lakeland, the heart of Florida's High-Tech Corridor, Florida Poly provides cutting-edge degree programs that prepare graduates to take on today's fastest-growing fields.

Florida Poly was granted initial regional accreditation from the Southern Association of Colleges and Schools (SACS) to award bachelor's and master's degrees, a significant milestone the University has diligently worked toward since its founding.

Florida Poly's leadership is comprised of accomplished academics and expert businessmen and women committed to strategically developing Florida Poly as the world's best applied research and job-generating university. Titled Advancing to Excellence, the Florida Poly 2018-2023 strategic plan outlines the academic and economic goals the University will work to attain by the year 2023. One of the goals is to influence the economic development of the 4,000 acres which surround Florida Poly, to create a research park that will bring together industry, academia, and government. The strategic plan was approved by the Board of Trustees in September 2018.

In 2019 Four Florida Poly bachelor's degrees received ABET accreditation: computer engineering, computer science, electrical engineering, and mechanical engineering.

The student's learning experience will focus on practical and applied research, internships with industry partners, and hands-on leadership opportunities delivered by distinguished faculty who excel in their fields.

Goal 1A: **Florida Polytechnic University's goal is to recruit, develop, and retain world-class practitioner scholars with capacity to deliver its vision in teaching, problem-driven research, and community engagement.**

- Objective 1A.1: Develop a comprehensive research support infrastructure to enable faculty to conduct world-class research with administrative support for grant development, management, and compliance.
- Objective 1A.2: Secure resources to recognize and reward faculty achievement in research and creative activity, outstanding teaching and community engagement and impact.
- Objective 1A.3: Develop and implement a comprehensive faculty recruitment, development and incentive plan aligned with the Florida Polytechnic vision.
- Objective 1A.4: Develop a faculty culture that values applied learning, applied research, interdisciplinary thinking and integration of innovative technology.

Goal 1B: **Florida Polytechnic University's goal is to recruit students locally, nationally, and internationally who are prepared for a polytechnic learning environment and provide programs and opportunities that enhance student retention and academic, personal and professional success.**

- Objective 1B.1: Develop a comprehensive enrollment management plan for marketing, recruitment, admissions, advising, retention and graduation of diverse and high-quality students.
- Objective 1B.2: Enhance advising to increase retention and ensure timely completion of degree programs.
- Objective 1B.3: Increase availability of scholarships for students.
- Objective 1B.4: Develop student leadership, mentoring, and learning community programs to contribute to student success and create a sense of belonging to Florida Polytechnic.
- Objective 1B.5: Increase comprehensive student life activities to include academic and technology extra- and co-curricular activities; social and community engagement opportunities; and personal, academic, and career support services.
- Objective 1B.6: Create opportunities for student participation in honor societies and academic award programs.

Objective 1B.7: Develop a system for tracking graduations and establish a strong alumni base.

II. Academic Program

The Florida Polytechnic University Strategic Plan has been approved as the guide for University growth. In addition to setting forth core values, goals, objectives and strategies for the University to implement, the Strategic Plan provides a strong framework of annual operational planning as well as long-term capital and Campus Master Planning.

Goals defining the future academic mission of Florida Polytechnic University are found in the institution's strategic plan. The planning process is coordinated by the Institutional Effectiveness Committee (IEC), a requirement of the Southern Association of Colleges and Schools (SACS).

Florida Polytechnic University was established as the 12th member of the State University System of Florida on April 20, 2012. An exclusive focus on science, technology, engineering, and math (STEM) disciplines with an explicitly hands-on approach to learning and research differentiates Florida Polytechnic from other Florida universities. Florida Poly strives to be an Engineering University of Distinction ranked in the top 15 of engineering schools nationwide that does not offer a doctorate degree program and a premier, core STEM public institution in the southeast region of the United States.

The Florida Poly academic approach focuses on increasing selectivity that supports the University's model of delivering small classes with strong student-faculty interaction engaged in project-enhanced, curricular experiences. Coupled with a carefully engineered curricular and co-curricular focus on professional and leadership skills, the University offers industry-aligned majors in fast-growing, high-paying sectors. Florida Poly's priority on strong relationships with local and regional industry serves to fulfill its directive to enhance economic development in the state. A key component of this is the University's focus on connecting students with small and medium-sized business through internships, industry-sponsored projects, and eventual employment. These efforts form key goals in Florida Poly's strategic plan that calls for stronger efforts to grow the University's program portfolio and student experience initiatives to meet its goals of delivering programs in high-paying industries and maximizing value for students by preparing them for a lifetime of success.

Goal 1C: Florida Polytechnic University's goal is to create and expand academic programs that focus on applied learning, applied research, applied technology, and interdisciplinary approaches in its polytechnic model.

Objective 1C.1: Integrate applied research in program curricula.

Objective 1C.2: Provide general education course offerings to match enrollment growth and assist all entering freshmen and transfer students in their program experience.

Objective 1C.3: Develop competency and skills-based student outcomes and assessments in all programs.

Objective 1C.4: Maintain comprehensive program information publications, both print and online.

Objective 1C.5: Continue to maintain and enhance institutional and program accreditation.

Chapter 2: Future Land Use

I. Future Land Use

The Master Plan establishes the land use pattern for the Florida Polytechnic campus. The first phase of development is complete, with the iconic Innovation, Science & Technology (IST) Building anchoring the north end of campus and the Wellness Center and Residence Halls 1 and 2 in the northeastern quadrant. The Student Development Center was added in the southeast quadrant, and the Applied Research Center is under construction in the northwestern quadrant. As student enrollment increases and funding becomes available, future phases of residential and academic facilities development will take place along the east and west banks of the Central Lakes, as well as administrative and support facilities development at the southern end of the lake. The general growth of the campus development will occur in accordance with the Future Land Use Map (Figure 1.3, Appendix 1), with phasing as identified in the Capital Improvement Plan.

Goal 2A: **Florida Polytechnic University's goal is to maintain a clear campus land use pattern, define the relationships among land uses on campus and coordinate with off-campus entities to define land uses.**

Objective 2A.1: *Ensure the effective use of land and minimize walking distances in the academic/residential core through proper campus development, abiding by the limits for each land use as described and illustrated in this plan.*

Policy 2A.1.1: Develop the campus in accordance with this Campus Master Plan to maintain compatibility of uses, achieve efficient use of land resources, and minimize walking distances.

Policy 2A.1.2: Abide by land management procedures that ensure sustainable use of campus land resources. Assess unforeseen land uses that may arise from grant awards or other unanticipated circumstances by comparing proposed uses with the provisions set forth in this plan. Following a determination of appropriate location and consistency, undertake pre- planning and site planning studies to confirm appropriateness.

Policy 2A.1.3: Limit the height of buildings to levels that are consistent with existing structures on campus and the policies contained in this plan.

Policy 2A.1.4: Coordinate land use and development decisions with the schedule of capital improvements in the capital improvements element.

Policy 2A.1.5: The land use categories identified on the Future Land Use Map (Figure 1.3, Appendix 1) are defined as follows. The Academic Facilities land use category includes a combination of classroom, teaching lab, research and supporting uses. The Housing Facilities land use category includes on- campus residences for students. The Support Facilities land use category includes student support, faculty and staff offices, and auxiliary services. The Open Space + Recreation and use category includes both passive and active greenspace, including recreation and support buildings. The Open Plaza land use category includes spaces designed for outdoor gathering and assembly uses. The Water land use category includes permanently inundated landscape areas that serve functions such as stormwater management and irrigation. The Conservation land use category includes undeveloped areas that may remain in conservation use (such as environmental preservation or stormwater conveyance) or that, in some circumstances, may be reserved for future facilities development. The Parking land use category includes both surface parking and parking structures.

Policy 2A.1.6: Density and intensity standards associated with the land use categories identified on the Future Land Use Map (Figure 1.3, Appendix 1) are defined for the long-term build out of the campus, extending beyond the planning horizon of this Campus Master Plan for an undetermined period of time (see Table 11 in Chapter 9, Capital Improvement, for specific proposed construction through 2031). Expressed in terms of Floor Area Ratio (FAR) and number of beds per acre (as defined in Appendix 2 -

Supporting Data and Analysis), density and intensity standards are applied as net maximum standards to each land use category, as follows. The Academic Facilities land use category has an FAR standard of 2 averaged over the approximately 13.3 acres of campus land designated as Academic Facilities category. The Housing Facilities land use category has a beds per acre standard of 250 averaged over the approximately 9.5 acres of campus land designated as Housing Facilities (equating to a maximum density of 14 beds per acre over the approximately 170.5 acres of the entire campus). The Support Facilities land use category has an FAR standard of 1 averaged over the approximately 9.3 acres of campus land designated as Support Facilities category. The Open Space + Recreation land use category has an FAR standard of 0.1 averaged over the approximately 24.3 acres of campus land designated as Open Space and Recreation Facilities category. The Open Plaza land use category does not have an intensity standard (not applicable). The Water land use category has an FAR standard of 0.2 averaged over the approximately 23 acres of campus land designated as Water. The Conservation land use category has an FAR standard of 0.05 over the approximately 50 acres of campus land designated as Conservation (on the main campus). The Parking land use category has an FAR standard of 2 averaged over the approximately 13 acres of campus land designated as Parking land use category.

Objective 2A.2: *Preserve and protect existing natural resources on campus.*

Policy 2A.2.1: Protect natural resources in accordance with provisions and policies in this plan regarding environmental management.

Objective 2A.3: *Protect any historic and archaeological resources that may be discovered on Florida.*

Policy 2A.3.1: Conduct appropriate surveys for any potential Florida Polytechnic- controlled property to identify, designate and protect historic or archeological resources.

Objective 2A.4: *Ensure that future land uses are compatible with topographic and soil conditions on campus.*

Policy 2A.4.1: Assess the suitability of development sites relative to topography, soils conditions (including the presence of sinkholes), drainage, utilities and infrastructure connections, and vehicular and service access.

Policy 2A.4.2: Require the integration of existing topography and natural features in project designs.

Policy 2A.4.3: Maintain an existing soils and topographic database and update as additional data are developed for future construction projects.

Policy 2A.4.4: Require that geotechnical testing be conducted early in the design process to determine relevant soil characteristics of the site and to ensure that the design(s) reflect consideration of these conditions.

Policy 2A.4.5: Ensure that appropriate methods of controlling soil erosion and sedimentation are used during site development.

Objective 2A.5: Ensure that campus development takes place in a manner that is coordinated with the provision *of adequate support facilities and services.*

Policy 2A.5.1: Coordinate future campus development with Florida Polytechnic Planning, Design, and Construction (PDC) within Facilities & Safety Services to ensure that adequate utilities and infrastructure are available at adequate levels of service, consistent with applicable concurrency provisions. The Planning, Design and Construction Department shall review and evaluate all future construction projects to ensure that adequate provisions for infrastructure and utilities have been incorporated into the design by documenting:

- The provision and maintenance of necessary utility easements, corridors, and points of connection.
- The provision of adequate supply lines to accommodate future development and facility expansion.

- The provision of safe and convenient access and parking at adequate levels of service.

Policy 2A.5.2: Preserve adequate land on campus for circulation and major utility corridors.

Objective 2A.6: Minimize or avoid off-campus constraints to campus development and minimize or avoid conflicts between campus development and other development within the surrounding area.

Policy 2A.6.1: Through inter-local agreements and memoranda of understanding, work with the City of Lakeland (and other local agencies as appropriate) to minimize potential for conflicts.

Policy 2A.6.2: Follow the procedural model for review and monitoring of campus growth and changes in land use as described in the Intergovernmental Coordination element of this plan, and coordinate with the City of Lakeland.

Policy 2A.6.3: In project and site suitability assessments, include an evaluation of the relationship of the project to on-campus and off-campus development constraints, conflicts, limits and opportunities for collaboration pertaining to traffic, infrastructure, parking, open space and drainage.

Policy 2A.6.4: If the acquisition of additional lands is necessary for continued growth and expansion, coordinate with the host local government and any other appropriate local government to address any required amendment to local government comprehensive plans.

Policy 2A.6.5: Proposed amendments to the adopted Campus Master Plan that change land use designations or classifications or impact off-campus facilities, services or resources, will be submitted to the City of Lakeland for review.

Policy 2A.6.6: Participate with the City of Lakeland in the reciprocal review of plans and development proposals consistent with provisions established for Intergovernmental Coordination.

Policy 2A.6.7: Ensure that uses at the edges of the campus are compatible with off- campus uses. Provide park-like open space at campus edges and landscape street edges on all sides of the campus.

Policy 2A.6.8: Coordinate with the City of Lakeland, Polk County and FDOT to construct pedestrian and bicycle linkages between the campus and adjacent neighborhoods.

Objective 2A.7: Identify and address incompatible land use issues.

Policy 2A.7.1: Undertake an annual review of the planned campus capital improvements to ensure consistency with the land use and development factors as described in this plan.

II. Campus Design

Central Florida's landscape and geography is the primary inspiration for the Florida Polytechnic University campus design. The Campus Master Plan frames structures around the central lakes, which are located on a northwest-southeast axis through the center of campus. The lakes serve as the campus core, with an existing anchor at the north end, the iconic IST Building, that is fully visible from Interstate 4, Polk Parkway, and the south end of campus along the central lakes axis. Other important design elements of the Campus Master Plan include: recognition and conservation of the natural landscape; open spaces and tree canopies within campus; the elliptical vehicular ring road (Polytechnic Circle) and surface parking at the periphery of the site that keeps vehicular traffic out of the campus core; conservation of the existing vegetative buffer at the campus edge; the campus entry located at the southeastern corner with views toward the IST building; and the placement of administrative, academic, residential, and other support facilities around the Central Lakes to accentuate the strong campus core. The network of pedestrian walkways and paths form a grid across the campus that puts all classrooms, offices, and residence halls within a 10-minute walk.

The Campus Master Plan framework will continue to guide building placement and orientation, open space, visual linkages, movement patterns, and the logical distribution of land uses. Architectural design guidelines that are maintained by the Planning, Design and Construction Department ensure that future development of the campus is consistent with the initial phase construction in scale, massing, surface treatment, materials, and detailing. The

Landscape Design Guidelines that coordinate planting, hardscape materials, site furnishings and graphics contribute to the overall visual quality of the campus and establish a unified theme.

Preservation of existing stands of vegetation and landscape enhancement with native plant material will enhance open spaces and buffer parking lots, service areas and roadways and will reinforce the architectural character of the University.

Goal 2B: **Florida Polytechnic University's goal is to establish a safe, integrated and cohesive order of campus open spaces defined by a unified architectural framework, while promoting compact, efficient and environmentally sensitive land use planning.**

Objective 2B.1: *Locate future buildings in such a manner as to define: (i) the campus core; (ii) the iconic symbol of the University; (iii) the campus entries and system of peripheral vehicular circulation and parking; (iv) a network of pedestrian circulation; and (v) a hierarchy of open spaces culminating with a consistent campus edge.*

Policy 2B.1.2: The timing, phasing, and priorities for the development of buildings, facilities, and open spaces shall be consistent with the principles established for capital improvement planning.

Policy 2B.1.3: In all architectural design, seek consistency in the massing and height of buildings to maintain the character and expression of the existing campus landscape.

Policy 2B.1.4: Use the Planning, Design and Construction to review and ensure that campus development complies with goals, objectives, and policies in accordance with the Campus Master Plan.

Policy 2B.1.5: Position future buildings so that they contribute to the definition of public space. Facades and entries shall facilitate public use. Mechanical or service areas shall be separated from the public entries and placed away from the public spaces.

Policy 2B.1.6: Establish a hierarchy of campus open spaces with a clear circulation system including paths that are appropriately articulated in terms of scale and detail.

Policy 2B.1.7: Future buildings shall be carefully sited to minimize impacts to existing trees. At the time of construction, trees shall be protected from damage using perimeter barricades placed at the tree drip lines or critical root zone limits (whichever is greater).

Policy 2B.1.8: Explore procedures for funding campus landscape improvements independent of individual building construction projects to achieve a campus landscape framework that is visibly composed as a whole rather than a collection of individuals, unrelated landscapes.

Policy 2B.1.9: Accommodate the initial demand for parking in surface lots at the perimeter of the campus. As student enrollment increases, development alternative parking such as a parking structure.

Objective 2B.2: *Provide service and emergency access to campus buildings via service drives and maintain separation between service and pedestrian routes to the greatest extent possible.*

Policy 2B.2.1: Enforce a policy designating service and emergency access routes on campus. Service access routes shall be reviewed for adequacy during the new facility plan review process.

Objective 2B.3: *Enhance physical connections among campus facilities.*

Policy 2B.3.1: Establish physical connections among campus facilities by continuing to build-out pedestrian circulation and way-finding systems.

Policy 2B.3.2: Encourage tree planting, appropriately scaled pedestrian lighting, signage and amenities along pedestrian routes.

Objective 2B.4: *Achieve a low level of energy consumption on campus as measured per capita and per building.*

Policy 2B.4.1: Encourage compact campus development in order to increase efficiency of utilities, encourage pedestrian movement, and preserve land resources.

Policy 2B.4.2: Require new building design to respond to the particular climatic conditions of Central Florida and address energy conservation through building orientation siting, massing, shading and shape.

Policy 2B.4.3: Encourage walkways, breezeways, shaded courts, and solar screens.

Policy 2B.4.4: Endeavor to support sustainability principles through state-of-the-art design and construction practices.

Objective 2B.5: Establish standards for selection of architectural materials in accordance with the objectives and policies documented in this plan element.

Policy 2B.5.1: Place priority on quality construction and require materials to be cost effective over the life cycle of the building. Require decisions regarding exterior wall materials and building color to be guided by the Campus Design Standards and Design Services Guide.

Policy 2B.5.2: Require adherence to guidelines the Campus Design Standards and Design Services Guide.

Policy 2B.5.3: Identify future landmark buildings as such, and direct architects to specify the appropriate use of materials and detailing.

Policy 2B.5.4: Require design of future parking structures to follow the Campus Design Standards and Design Services Guide.

Policy 2B.5.5: Require material openings, lighting systems, and HVAC systems to be designed to meet contemporary standards. System energy conservation standards are mandated to be in compliance with Florida Energy Conservation in Building Act of 1974. An energy analysis is required at the advanced schematic design stage of projects. In 2008, the Florida Legislature passed the Florida Energy Conservation and Sustainable Buildings Act, directing state agencies to incorporate sustainable building practices into the design, construction, and renovation of state buildings.

Objective 2B.6: Establish standards for buildings, siting and linkages in accordance with the measures documented in this plan element.

Policy 2B.6.1: Establish and follow a land use and design review process to maintain campus unity, order, and amenity.

Policy 2B.6.2: Require architectural design sensitivity to the characteristics of the regional climate including recommendations for sunscreens and covered continuous arcades on southern exposures of future buildings.

Policy 2B.6.3: Encourage that all future buildings over 50,000 gross square feet of space be designed at a minimum of three stories in height. Buildings less than 50,000 gross square feet are to be designed with adequate building height and mass to frame adjacent open space and to accommodate future expansions when appropriate.

Policy 2B.6.4: Ensure accessibility to all buildings based on the priorities identified in the Americans with Disabilities Act (ADA) Accessibility Guidelines. Priorities that will be implemented as the campus expands will include:

- Ensuring accessible routes from designated parking spaces to facilities;
- Ensuring accessible classrooms, offices, housing, and restrooms; and
- Ensuring accessible campus routes between facilities.

Policy 2B.6.5: Establish and enforce campus-wide design standards for bus shelters, pavilions, and trellises.

Policy 2B.6.6: Restrict the use of one-story occupied modular trailer buildings except on a short-term basis with removal dates prescribed and monitored.

Objective 2B.7: Establish and enforce guidelines for architectural and landscape treatments along the campus edges.

Policy 2B.7.1: Design service areas to efficiently support building functions and to be located away from public open spaces and thoroughfares to the greatest extent possible.

Policy 2B.7.1: Establish and enforce guidelines for campus entry and edge improvements.

Policy 2B.7.1: Establish and enforce standards for treatment of retention and stormwater management facilities that allow such facilities to function as public recreational open space that complements other campus land uses.

Objective 2B.8: Establish and enforce an overall conceptual campus landscape framework.

Policy 2B.8.1: Place the highest priority on the development of open space, primary pedestrian and bicycle ways and the Central Lakes. Related tree planting and lighting throughout the campus entries shall be developed in accordance with the Capital Improvement Plan.

Policy 2B.8.2: Establish a continuous campus wide pedestrian and bicycle circulation system through expansions to the existing system made concurrently with each future campus development project, as appropriate and in concert with a phased schedule for campus development.

Policy 2B.8.3: Establish a consistent landscape framework that emphasizes the formation of the larger campus landscape over the independent development of building-specific landscapes. The landscape enhancements shall be native landscape plantings associated with the central lake, open spaces and campus entrances.

Objective 2B.9: Establish and enforce standards for plant materials and planting criteria.

Policy 2B.9.1: Establish and enforce a coordinated set of Campus Landscape Architectural Guidelines for all campus landscapes, site furnishings and lighting.

Policy 2B.9.2: Maintain an inventory of existing trees to assess the health and sustainability of the existing campus woodlands. A long-term tree maintenance program should be initiated, and Campus Landscape Architectural Guidelines should address the preservation of existing tree stands and the introduction of substantial tree canopy.

Policy 2B.9.3: Remove all non-native invasive plants (whether trees, shrubs or grasses) which are identified on the Exotic Pest Plant Council's Florida's Most Invasive Species List from the campus grounds to the greatest extent practical.

Policy 2B.9.4: Make reasonable attempts to ensure existing plant materials (primarily trees) identified as valuable that are in conflict with campus improvements are relocated when practical.

Objective 2B.10: Establish and enforce standards for selection of campus furnishings, lighting, and graphics.

Policy 2B.10.1: Require graphic and signage design to be in accordance with an established set of campus signage or as approved by Planning, Design and Construction.

Policy 2B.10.2: Adhere to campus standards for lighting that have been established through initial campus development and the landscape design guidelines.

Objective 2B.11: Identify major proposed public open spaces to receive priority for implementation of concentrated improvement efforts.

Policy 2B.11.1: Encourage artist involvement on major site improvement projects in the effort to enhance and articulate key areas of the campus.

Policy 2B.11.2: Establish a priority program to verify design compliance with ADA standard of accessibility design and Title IX.

III. Constructed Facilities

The iconic Innovation, Science & Technology (IST) Building is the University's first academic building. As it serves multiple functions, space within the building includes all applicable classifications: classrooms, teaching labs, library space, research labs, office space, study space and campus support space.

The Applied Research Center (ARC) building currently under construction and located adjacent to the west of the IST building provides complementary architecture. Additional academic facilities will be sited in general accordance with the Figure 1.3 Future Land Use Map. Sites for future academic buildings are generally oriented on the west side of campus opposite existing and planned student housing, and easily accessible by foot or bicycle.

The Wellness Center (Student Business Services, Auxiliary Enterprises, dining hall, and student Nest) is a support facility located on the east side of campus in close proximity to the existing Residence Halls. Though substantial in size and function, the Wellness Center is not considered to be a permanent building.

The Student Development Center (SDC) is the most recent support facility construction in 2018. Located on the east side of campus, in close proximity to the Wellness Center, the SDC supports student life and recreation.

Future permanent support facilities will be located on both ends of campus, adjacent to the IST Building and on the south end of the Central Lakes. Based on enrollment growth projections and the projected level of student demand for admittance to the University, building needs will include a Student Achievement Center (SAC). Located adjacent to the IST building, the SAC will house an honors college, an industry job center, an international liaison office, a faculty and industry mentorship program, tutoring programs, and programs that provide support for the psychological and social well-being of students.

Table 1: Existing and Projected Florida Polytechnic University Enrollment (FL FTE* and Headcount)

CATEGORY	2020-2021 ACADEMIC YEAR	2025-2026 ACADEMIC YEAR	2030-2031 ACADEMIC YEAR	PROJECTED GROWTH (2020-2021 to 2030-2031)
FL FTE*	1,250	1,970	2,736	218.88%
Headcount	1,422	2,160	3,000	210.97%

** Florida Full Time Equivalent (FL FTE)*

Source: Florida Polytechnic University Office of Institutional Research (OIR)

In total, for the 2030-2031 academic year the projected FTE is 2,736 the total net/assignable space need for the campus will be 243,504 square feet, not inclusive of on-campus residential buildings. The categories with greatest space requirement will be research labs and offices. Table 2 provides projections of facility space needs based on application of Florida Board of Governors standards to Florida Polytechnic enrollment projections.

Table 2: Florida Polytechnic University 2031 Facility Space Needs Projections*

CATEGORY OF SPACE	SPACE FACTOR (Required Net/ Assignable Square Feet/FTE)	2030-2031 NET/ASSIGNABLE SPACE PROJECTED NEED(B)	2030-2031 GROSS SPACE PROJECTED NEED (C)
Classroom (lecture)	9.0 sq. ft. per FTE	24,624	39,398
Teaching Lab	11.25 sq. ft. per FTE	30,780	49,248
Research Lab	18.75 sq. ft. per FTE	51,300	82,080
Instructional Media	3.0 sq. ft. per FTE	8,208	13,133
Auditorium/Exhibit	2.25 sq. ft. per FTE	6,156	9,850
Office/Computer	22.5 sq. ft. per FTE	61,560	98,496
Gymnasium	4.5 sq. ft. per FTE	12,312	19,699
Study	13.5 sq. ft. per FTE	36,936	59,098
Campus Support	4.24 sq. ft. per FTE (A)	11,628	18,605
TOTAL(D)		**243,504**	**389,606**

**Based on latest approved OIR projections*

(A) 5% of total space per State Requirements for Educational Facilities' guidelines

(B) Based on projected 2,736 FL FTE for 2030-2031 Academic Year

(C) Based on 1.6 Net to Gross Conversion Rate

(D) Residence Hall space needs not included

Source: Florida Polytechnic University Office of Institutional Research

Table 3 presents a comparison of existing net/assignable square feet provided by the IST building with the projected space needs for 2030-2031. When existing academic space in the IST building is factored in, the resulting additional net/assignable space need over the 10-year planning horizon totals 103,853 square feet. The majority of needed additional space is for research, offices and study spaces. The 10-Year Capital Improvement Plan responds to space needs projections by prioritizing facilities that correspond to highest projected levels of facility space needs. In total, planned capital improvements equate to 161,986 net/assignable square feet (see Table 11), which is slightly more than the anticipated need.

Table 3: Florida Polytechnic University Required Additional Facility Space Needs

CATEGORY OF SPACE	EXISTING ON CAMPUS NET/ASSIGNABLE SPACE	PROJECTED (ARC) NET/ASSIGNABLE SPACE [(A)]	EXISTING & PROJECTED NET/ASSIGNABLE SPACE	2031 NET/ASSIGNABLE SPACE PROJECTED NEED	10-YEAR FORECAST OF REQUIRED ADDITIONAL NET/ASSIGNABLE SPACE
Classroom (lecture)	*19,142*	*8,256*	**27,398**	*24,624*	**-2,774**
Teaching Lab	*20,909*	*9,226*	**30,135**	*30,780*	**645**
Research Lab	*6,754*	*10,525*	**17,279**	*51,300*	**34,021**
Instructional Media	*0*	*0*	**0**	*8,208*	**8,208**
Auditorium/ Exhibition	*2,499*	*5,594*	**8,093**	*6,156*	**-1,937**
Office/Computer	*16,903*	*9,730*	**26,633**	*61,560*	**34,927**
Gymnasium	*4,487*	*0*	**4,487**	*12,312*	**7,825**
Study	*15,172*	*2,472*	**17,644**	*36,936*	**19,292**
Campus Support	*5,198*	*2,783*	**7,981**	*11,628*	**3,647**
TOTAL	***91,064***	***48,587***	**139,651**	***243,504***	**103,853**

(A) Existing IST Building and Projected ARC Building Net/Assignable Square Feet
Source: Florida Polytechnic University Office of Institutional Research (OIR)

Goal 2C: **Florida Polytechnic University's goal is to develop academic facilities required to meet the needs of the projected student enrollment and consolidate and link the zones of academic activity on the campus in an interdisciplinary fashion.**

Objective 2C.1: *Provide academic facilities necessary to meet projected student enrollment and projected growth in academic functions in a polytechnic environment.*

Policy 2C.1.1: Provide academic space in accordance with projected needs as shown in Table 2 and Table 11, 10-Year Capital Improvement Plan.

Policy 2C.1.2: Amend the adopted Campus Master Plan as needed to incorporate unforeseen academic facilities that may arise from grant awards, accelerated funding or other circumstances.

Objective 2C.2: *Provide high quality, state-of-the art facilities for research and instruction on campus, located in such a way as to reinforce academic programs, improve functional relationships and encourage interdisciplinary activity.*

Policy 2C.2.1: Accommodate future academic facilities in a way that reinforces patterns of land use, circulation, parking, and open space while making efficient use of limited land resources.

Policy 2C.2.2: Reinforce the integrity of campus academic clusters for maximum interaction among disciplines.

Policy 2C.2.3: Establish appropriate locations for future academic facilities based on relationships with other academic uses and sequencing.

Policy 2C.2.4: Establish and follow a structured process for comparative evaluation of alternative sites when planning the location for an academic facility. Before considering a new or alternative location, the office of Planning, Design, and Construction will undertake a study of the alternatives.

Goal 2D: **Florida Polytechnic University's goal is to provide a full, diverse complement of support functions near the academic core.**

Objective 2D.1: *Provide the necessary student services, administrative services, physical plant and general auxiliary functions to meet projected student enrollment.*

Policy 2D.1.1: Provide support facilities in conjunction with the timing and phasing of campus development.

Policy 2D.1.2: Identify and secure funds for future support facilities as a component of capital improvements planning.

Objective 2D.2: *Accommodate future support facilities in a way that reinforces the patterns of land use, circulation, parking, and open space.*

Policy 2B.4.4: Endeavor to support sustainability principles through state-of-the-art design and construction practices.

Policy 2D.2.1: Phase development of support facilities in such a way that there will be adequate support for incremental campus development and student enrollment growth.

Policy 2D.2.2: Establish appropriate locations for future support facilities based on currently known factors such as program requirements, affinities and relationships with other uses, and sequencing.

Policy 2D.2.3: Establish and follow a structured process for comparative evaluation of alternative sites when planning the location for a support facility. Before considering a new or alternative location, the office of Planning, Design, and Construction will undertake a study of the alternatives.

Policy 2D.2.4: Develop and appropriately locate support facilities to reinforce Florida Polytechnic's capacity to conduct events, activities and functions that will serve the general public and foster interaction between the University and the community.

Chapter 3: Transportation

Within the past eight years, the framework of the Florida Polytechnic campus transportation network has been constructed. Polytechnic Circle, a 1.5-mile perimeter drive surrounding the campus core, is linked to Research Drive at two points. On-campus parking lots constructed along the inner ring of Polytechnic Circle include 1050 spaces. The campus interior remains pedestrian-oriented, only including service vehicle access on designated routes. Sidewalks provide connections to parking and existing structures, and bridge across the central lakes.

The Florida Polytechnic Campus Master Plan clearly defines vehicular and pedestrian circulation (Figures 1.4 thru 1.7). As the campus develops, vehicular circulation will continue to be limited to the perimeter, and the planned network of pedestrian paths will be completed. Additional roadway segments connecting future adjacent roads to Polytechnic Circle will be constructed, and new sidewalks and bike lanes will connect housing and academic buildings as they are added to the campus. On-site surface parking will be limited in order to conserve land for open space and academic use. Options to develop structured parking facilities will be explored, including evaluation of potential benefits of a multi-use parking structure. The University will continue to coordinate with local government agencies, promote available transit options, and evaluate opportunities to expand service in cooperation with service providers.

I. Transit, Circulation and Parking

Goal 3A: **Florida Polytechnic University's goal is to encourage options for flexible transit and vehicular access to the campus and will distribute parking in accessible concentrations around the perimeter of the campus core.**

Objective 3A.1: *Reduce the impacts of future traffic generated by University growth and Campus development, especially at peak hour.*

Policy 3A.1.1: Construct on-campus housing as the supporting market and financial opportunities are favorable. On-campus housing will reduce both internal and external traffic generation, especially at peak hour.

Policy 3A.1.2: Explore opportunities for "partnering" with the private sector to construct residential housing in the community adjacent to the campus.

Policy 3A.1.3: Continue to jointly plan with the Transportation Planning Organization (TPO), the City of Lakeland, and the Polk County Board of Commissioners to coordinate transportation system improvements (vehicular and non- motorized circulation facilities) on campus and in the campus vicinity, with future land use and transportation plans, and develop programs and incentives to enhance transit service on campus and in the campus vicinity.

Policy 3A.1.4: Mitigate impacts on the surrounding transportation network caused by on-campus development, consistent with State of Florida provisions (§1013.30 Fla. Stat.) and as established in the Campus Development Agreement.

Policy 3A.1.5 Establish and review the timing for development of future campus roadways, traffic circulation modifications, and transportation safety mitigation projects as part of the annual Capital Improvement Plan update.

Policy 3A.1.6 Encourage improved connectivity between the Florida Polytechnic campus and adjacent property to the west that is planned for business park development.

Objective 3A.2: *Supply vehicle parking to meet future University needs while providing options to reduce the demand for vehicular parking.*

Policy 3A.2.1: Provide access to campus parking lots from Polytechnic Circle and construct additional parking lots in locations consistent with the Future Land Use Element (Figure 1.3).

Policy 3A.2.2: Continue to evaluate opportunities for off-campus or remote parking lots ('Park and Ride' lots) with the cities of Lakeland and Auburndale and in coordination with the owners of adjacent properties to the east, south and west of the campus.

Policy 3A.2.3: Expand options for the operation of the internal on-campus shuttle system.

Policy 3A.2.4: Establish and review the timing for development of future campus parking facilities as part of the annual Capital Improvement Plan update.

Objective 3A.3: Expand the use of alternative modes of transportation (including shuttle service, ride share, and bicycle and pedestrian ways) and reduce the extent to which the single-occupant vehide is the primary mode of travel.

Policy 3A.3.1: The Polytechnic shuttle will provide evening and weekend opportunities for students to access stores and activities off campus.

Policy 3A.3.2: Implement a rideshare program, which is one of the most effective ways to alleviate the problems associated with campus traffic and provide accessibility to all members of the educational community.

Policy 3A.3.3: The University will provide transportation for students relating to health care visits by partnering with a ride-hailing company.

Policy 3A.3.4 Encourage transportation demand management (TDM) strategies designed to reduce the use of single-occupant vehicles, such as improving pedestrian and non-vehicular facilities; locating student-oriented housing in close proximity to the campus; designating preferential parking locations for carpoolers/rideshare; and academic scheduling modifications.

Policy 3A.3.5: Establish and review the timing for development of future transit facilities and services as part of the annual Capital Improvement Plan update.

II. Pedestrian and Non-Vehicular Circulation

Goal 3B: Florida Polytechnic University's goal is to strengthen the functional and aesthetic nature of pedestrian and non-vehicular movement between and among the various areas of the campus, and in the campus vicinity.

Objective 3B.1: Provide convenient pedestrian and bicycle routes on the campus in coordination with the City of Lakeland.

Policy 3B.1.1: Prioritize implementation of new pedestrian and bicycle facilities (see figure 1.5).

Policy 3B.1.2: Enhance campus pedestrian corridors with landscaping and consistent design standards.

Policy 3B.1.3: Provide sidewalks to new facilities as campus development continues.

Policy 3B.1.4: Install convenient bike racks at all occupied buildings and recreational facilities.

Policy 3B.1.5: Complete a connected system of bike lanes on campus.

Policy 3B.1.6: Establish and review the timing for development of future campus bicycle and pedestrian facilities as part of the annual Capital Improvement Plan update.

Policy 3B.1.7: When new bicycle and pedestrian facilities are added to the campus, share information about the types and locations of new facilities with the City of Lakeland for public information purposes.

Policy 3B.1.8: Encourage the development of trail corridors to connect the Florida Polytechnic campus to the planned and emerging trail network in the surrounding area, including the proposed Tenoroc and State Road 33 Trails, the Teco-Auburndale Trail, the University Boulevard/Research Way/Pace Road Trails, and the Van Fleet Trail.

Chapter 4: Housing

The 10-year residential housing program for the Florida Polytechnic Campus Master Plan provides for approximately 1,000 beds to be developed in three structures. Residence Hall 1 accommodates 218 beds in apartment style, Residence Hall 2 on the adjacent site to the southeast accommodate a total of 539 beds, with 490 in semi-suite style and 49 beds in apartment style. Future housing program construction for approximately 250 beds in a mixture of apartment style and semi-suite style is planned for the site along the eastern bank of the Central Lakes.

All existing housing construction is in the form of 5-story flats with contemporary architectural style. Buildings are designed for ADA compliance and use Type II construction per State of Florida requirements. All residence halls will have pedestrian linkages to academic buildings across the lakes, campus support facilities to the north and south, adjacent open space and recreational facilities, and parking adjacent to Polytechnic Circle.

Since Florida Polytechnic is a new campus and institution with an overwhelmingly undergraduate enrollment, all existing and planned on-campus housing is intended for undergraduate students, with no specifically designated graduate or married housing.

Goal 4A: **Florida Polytechnic University's goal is to provide diverse and safe housing options for students on campus and encourage the development of affordable housing in the vicinity of the campus.**

Objective 4A.1: *Endeavor to provide up to 1,000 student beds in residence facilities on campus within 10 years to ensure the availability of an adequate supply of housing, as needed.*

Policy 4A.1.1: Develop new campus housing in locations delineated in this master plan (Figures 1.3 and 1.8).

Policy 4A.1.2: Incorporate the timing, phasing requirements and priorities for future student housing in the Capital Improvement Plan. MPCIP non-PECO bonds or public-private partnerships (PPP) will be used to develop student housing.

Policy 4A.1.3: Provide support facilities required in conjunction with future campus housing (e.g. parking, student activities, recreation), as addressed under Chapter 2 – Future land Use.

Objective 4A.2: *Encourage and support improved and expanded off-campus housing opportunities near the campus.*

Policy 4A.2.1: Coordinate with the affected local governments regarding issues related to off-campus student housing, including safety and transit.

Chapter 5: General Infrastructure

Within the past eight years, infrastructure development has transformed the approximately 170 acres of Florida Polytechnic University property from undeveloped land into a functioning campus. The General Infrastructure Element reflects the infrastructure improvements that have been completed in association with Phase 1 campus development:

- Central Lakes (seven retention ponds) and stormwater drainage infrastructure to serve the entire campus
- A potable water distribution system and sanitary sewer service system that extends to all existing buildings
- Solid waste management infrastructure and services (outsourced to a solid waste management contractor)
- Systems for providing hot water and chilled water for heating and air conditioning of all existing buildings
- An electrical power distribution and telecommunications infrastructure backbone for the campus.
- Reclaimed water supply provided for future distribution system to extend to all future and existing building.

Continued build out of campus infrastructure systems will follow the direction of Figure 1.3 Future Land Use Map and will be phased in accordance with prioritized implementation of the Capital Improvement Plan. The level of service for the various aspects of campus infrastructure will be maintained in a manner consistent with the level of service standards established by the City of Lakeland. Student enrollment projections provide a baseline for the pace of campus development. Phase 2 of campus development, as directed by the Capital Improvement Plan, will include extension of potable water and sanitary sewer systems; expansion of solid waste management services; and provision for heating, cooling, electrical power and telecommunications to new campus buildings.

I. General Infrastructure

Goal 5A: **Florida Polytechnic University's goal is to provide an adequate stormwater management system to accommodate present and future stormwater needs and meet the requirements of the applicable approval authorities.**

Objective 5A.1: *Implement and maintain a regular stormwater facility maintenance program to ensure adequate function of the facilities, to protect the natural stormwater management features and hydrological areas, and to meet all applicable regulatory requirements.*

Policy 5A.1.1: Coordinate, as appropriate, with the Southwest Florida Water Management District, City of Lakeland and other applicable agencies regarding the National Pollutant Discharge Elimination System (NPDES) program.

Policy 5A.1.2: Mitigate University-generated stormwater and minimize stormwater- borne pollutants through the implementation of Best Management practices (BMPs), such as a Spill Prevention, Control & Countermeasure (SPCC) Plan, "green infrastructure" and environmentally sensitive pesticide management.

Objective 5A.2: *Provide increased stormwater management capacity when needed to meet future needs of the University.*

Policy 5A.2.1: Ensure that stormwater management facilities comply with the established design criteria and are in place and operational, at established levels of service (consistent with standards of the Southwest Florida Water Management District and City of Lakeland), prior to occupancy of any new University building.

Policy 5A.2.2: Planning, Design and Construction will review all proposed construction on campus to ensure that any proposed increase in impervious surfaces can be addressed by existing stormwater capacity, or that additional capacity will be funded and on-line at the time of need. Impose SPCC Plan Guidelines for Construction.

Policy 5A.2.3: Establish the timing and phasing requirements for any stormwater system improvements to coordinate with new buildings planned in the Capital Improvement Plan.

Goal 5B: **Florida Polytechnic University's goal is to provide an adequate potable water system to accommodate the present and future potable water needs and meet the requirements of the applicable approval authorities.**

Objective 5B.1: *Provide sufficient potable and non-potable water systems using consistent engineering standards in a manner that supports the plan for campus build out over the ten-year planning period.*

Policy 5B.1.2: Approve proposed increases in consumptive uses, whether residential or nonresidential, after determination that existing potable water treatment and distribution capacity is able to accommodate the increased need or determine that additional capacity will be funded and on-line when needed.

Policy 5B.1.2: Maintain an adequate level of service, consistent with the City of Lakeland's adopted level of service standard, for the potable water system as campus development proceeds.

Policy 5B.1.3: Identify the campus potable water distribution corridors as "no build" zones.

Policy 5B.1.4: Continue to coordinate with the City of Lakeland to address campus potable water needs.

Policy 5B.1.5: Establish the timing and phasing requirements for any system improvements in the Capital Improvement Plan.

Objective 5B.2: *Provide adequate fire protection.*

Policy 5B.2.1: Conduct annual on-site fire flow tests to verify adequacy of fire protection or identify deficiencies. The tests shall be conducted in accordance with the methodology described in the American Water Works Association Manual Number 31, entitled "Distribution System Requirements for Fire Protection" and NFPA 24 & 25. The results of such tests shall be provided to the City of Lakeland Fire Department as requested, and any required improvements will be coordinated with the City of Lakeland.

Objective 5B.3: *Implement a campus water conservation program and evaluate opportunities to expand water conservation.*

Policy 5B.3.1: Incorporate the following techniques and activities as shown in figure 1.10: Potable and Reuse water Distribution Map to promote water conservation by: xeriscaping; installation of sub-metering on new facilities; computerized, rain-sensitive irrigation systems; use of collected stormwater or other "gray" water sources for irrigation purposes; and water audits and other leak detection programs.

Goal 5C: **Florida Polytechnic University's goal is to provide an adequate sanitary sewer system to accommodate the present and future sanitary sewer needs and meet the requirements of the applicable approval authorities.**

Objective 5C.1: *Provide for reliable and efficient collection and transmission of all campus wastewater in an environmentally safe manner.*

Policy 5C.1.1: Coordinate with the City of Lakeland to ensure that off-campus sanitary sewer facilities are managed and improved in accordance with Intergovernmental Coordination procedures and the Campus Development Agreement.

Policy 5C.1.2: Ensure that proposed increases in sewage discharges, whether residential or nonresidential, are approved after determination that existing sanitary sewer treatment and collection system capacity is sufficient to accommodate the increased need, or determination that additional capacity will be funded and on-line when needed.

Policy 5C.1.3: Maintain an adequate level of service, consistent with the City of Lakeland's adopted level of service standard, for the sanitary sewer system as the campus develops.

Policy 5C.1.4: Establish the timing and phasing requirements for any sewer system improvements to coordinate with new buildings planned in the Capital Improvement Plan.

Goal 5D: **Florida Polytechnic University's goal is to meet present and future solid waste collection and disposal requirements in a safe, cost-effective, environmentally sound and aesthetically satisfactory manner.**

Objective 5D.1: *Coordinate the provision of increased solid waste collection and disposal capacity to meet future campus needs.*

Policy 5D.1.1: Evaluate the need to update the solid waste services contract (private vendor) to maintain an adequate level of service, consistent with the City of Lakeland's adopted level of service standard, as the campus grows.

Objective 5D.2: *Expand recycling and reuse programs.*

Policy 5D.2.1: Install drop-off recycling containers in individual buildings, in residential areas or in other convenient locations. Awareness programs directed toward students, faculty and staff should also be included in the recycling program.

Policy 5D.2.2: Utilize standardized solid waste collection containers and place them for convenient service while avoiding potential pedestrian conflicts and visual impacts (screen from pedestrian corridors).

Objective 5D.3: *Continue to support proper management in the disposal and transportation of hazardous and other special wastes in accordance with all State and Federal regulations.*

Policy 5D.3.1: Monitor the volume and types of hazardous waste collection and temporary storage on site to determine the feasibility of constructing and operating the next higher level of storage facility on campus. If determined appropriate to proceed, Florida Polytechnic shall amend the adopted Campus Master Plan to reflect the timing, location, and scope of such a facility.

II. Utilities

Goal 5E: **Florida Polytechnic University's goal is to provide adequate hot water/ heating in a flexible, efficient and cost-effective manner to support the growth of the campus.**

Objective 5E.1: *Provide hot water or electric resistance heating plants and/or components for each new facility.*

Policy 5E.1.1: Approve proposed increases in hot water use, whether residential or non-residential, only after a finding that existing hot water distribution capacity is sufficient to accommodate the increased need, or determination that additional capacity will be funded and on-line at the forecasted time of need.

Objective 5E.2: *Provide sufficient hot water to meet the future needs of the campus.*

Policy 5E.2.1: Implement hot water improvements in conjunction with all phased facility development plans and maintain adequate level of service.

Goal 5F: **Florida Polytechnic University's goal is to provide an adequate chilled water service to the campus facilities in an efficient and cost-effective manner to support future expansion.**

Objective 5F.1: *Develop chilled water service capacity to accommodate future facilities*.

Policy 5F.1.1: Require a computerized life cycle cost analysis of the HVAC systems for all new facilities.

Policy 5F.1.2: Establish the timing and phasing requirements for any chilled water system improvements to coordinate with new buildings planned in the Capital Improvement Plan.

Policy 5F.1.3: Review all proposed development projects to ensure that adequate chilled water capacity will be available.

Policy 5F.1.4: Approve proposed increases in chilled water use, whether residential or non-residential, only after a finding that existing chilled water distribution capacity is already on-line to accommodate the increased need or finding that additional capacity will be funded and on-line at the forecasted future time of need.

Policy 5F.1.5: Develop and implement a campus utility load profile for chilled water peak demand to determine the campus diversified peak load factor and establish firm capacity of the chiller plant that will be essential in accommodating future campus growth.

Policy 5F.1.6: Develop complete verified hydraulic models for the modifications and expansions of the piping system throughout the campus.

Policy 5F.1.7: Develop and implement non-destructive testing procedures and practices to evaluate the status of existing underground piping systems.

Policy 5F.1.8: Meter chilled water loads to implement load management and load history for planning and conservation measures.

Policy 5F.1.9: Develop a plan to meet campus build out requirements for chiller capacity and a methodology for incremental addition of chillers.

Goal 5G: Florida Polytechnic University's goal is to provide adequate, reliable, efficient, and cost- effective service with electrical power and other fuels to support campus operations and expansions through the 10-year planning period.

Objective 5G.1: Implement design and construction standards to establish the necessary service and improvements required to ensure that adequate, reliable, and cost-effective service is provided for existing and planned facilities.

Policy 5G.1.1: Require that a computerized life cycle cost analysis be submitted for all new facilities to determine whether natural gas and/or electricity should be the source of fuel.

Objective 5G.2: Reduce unnecessary energy losses in the campus distribution system and in associated University-controlled and operated facilities.

Policy 5G.2.1: Use energy efficient lighting fixtures, electronic ballasts, building metering and high lumen efficiency lamps in all new and renovated buildings.

Objective 5G.3: Create a computerized, data-based load tabulation of electric power requirements for proposed new buildings and provide updates to reflect changes on an as-needed or programmed basis.

Policy 5G.3.1: Require analysis to determine the amount of electricity that will be required for each new facility.

Policy 5G.3.2: Require modifications to the campus electrical power distribution system as needed to meet the electricity demands created by new facilities.

Policy 5G.3.3: Review all proposed development projects to ensure that adequate electrical service capacity exists.

Policy 5G.3.4: Approve proposed increases in electrical energy use only after a finding that existing electrical energy distribution capacity is sufficient to accommodate the increased need, or determination that additional capacity will be funded and on-line when needed.

Objective 5G.4: Limit the expansion of the Florida Polytechnic-owned electrical distribution system to within the campus boundaries.

Policy 5G.4.1: Implement electrical system improvements based on two priorities: 1.) maintaining the existing system, and 2.) expanding the system to accommodate new campus electrical energy needs.

Objective 5G.5: Identify, inventory, and evaluate emergency generators on the campus.

Policy 5G.5.1: Program funds to perform an inventory and evaluation of emergency generators on campus at appropriate intervals. Incorporate emergency generators into new construction projects as needed.

Goal 5H: Florida Polytechnic University's goal is to provide each building on the campus with communications connectivity for telephone, data and video networks.

Objective 5H.1: Plan, design and install campus communications systems that are sufficient to correct existing deficiencies and meet voice, data and video communications needs.

Policy 5H.1.1: Program funds for design and implementation of redundant/alternative pathways for the campus fiber backbone.

Policy 5H.1.2: Program funds for design and installation of fiber optic cable to all classrooms, offices, and dormitories to provide connectivity for faculty, staff, students, and residents.

Policy 5H.1.3: Program funds for design and installation to provide adequate copper connectivity for voice, multi-mode fiber for data and/or VOIP, and single mode fiber for video/data to all buildings on the Florida Polytechnic campus.

Policy 5H.1.4: Standardize on a data local wide area network for campus-wide use and expansion as the campus develops.

Policy 5H.1.5: Maintain and periodically revise a Florida Polytechnic voice/data/video construction standard for application to all new construction and renovation projects requiring these services.

Policy 5H.1.6: Program funds to perform an inventory and study of video systems on campus.

Policy 5H.1.7: The office of Planning, Design, and Construction shall manage and encourage joint use of underground infrastructure trenches to minimize redundant construction costs.

Objective 5H.2: Identify, inventory, and study any electromagnetic field generators on the campus.

Policy 5H.2.1: Program funds to perform an inventory and study of electromagnetic fields on campus.

Chapter 6: Conservation

Florida Poly will continue to apply conservation policies to campus grounds, in existing buildings, and with future development. Building-specific energy use and management techniques will be integrated with new construction, and air quality-related measures will address transportation and building systems. Mitigation, monitoring and coordination measures necessary to address the impacts of development will continue to be implemented. This approach will minimize impacts on environmentally sensitive lands and natural resources.

Goal 6A: **Florida Polytechnic University's goal is to be a model for conservation practices to improve the environment and to improve air, water and open space quality on campus and in the vicinity of the campus.**

Objective 6A.1: *Identify mitigation techniques, including traffic and parking demand reduction, to maintain or improve air quality.*

Policy 6A.1.1: Reduce mobile sources of air pollution by promoting alternative modes of transportation on campus (i.e., public transit, bicycles, etc.).

Policy 6A.1.2: Explore and implement, as appropriate, alternative fuel vehicles for use on campus, including any campus shuttle systems.

Policy 6A.1.3: Minimize emissions of air pollutants from and within campus buildings through the installation of appropriate filtering devices on fume hoods and by minimizing the storage and use of volatile and hazardous materials in campus buildings.

Policy 6A.1.4: Monitor indoor and outdoor air quality. Indoor sampling shall occur at chemistry laboratories, kitchens, and other sites where fumes are produced. Outdoor sampling sites shall include parking lots and congested intersections. Failure to meet air quality standards adopted by the Florida Department of Environmental Protection shall result in an assessment of the probable cause and the preparation and implementation of a plan to improve and maintain air quality.

Policy 6A.1.5: Planning, Design and Construction is to review proposed improvements to assure adherence to appropriate Campus Master Plan policies. Copies of land development criteria and design standards which reflect the policies contained in the adopted Campus Master Plan shall be provided to design consultants and appropriate campus staff.

Objective 6A.2: *Protect identified jurisdictional native vegetative communities, whether uplands or wetlands, and protected wildlife species and habitat.*

Policy 6A.2.1: Protect jurisdictional native vegetative communities from development by designating them as "no build" zones, and maintain the jurisdictional areas based upon the most recent Florida Department of Environmental Protection and Southwest Florida Water Management District criteria, standards and guidelines.

Policy 6A.2.2: All campus landscape improvements will follow the landscape design guidelines by use plant species that are indigenous to the natural plant communities of the Lakeland and Central Florida area.

Policy 6A.2.3: Minimize stormwater-borne pollutants generated as a result of the University operations and maintenance practices.

Policy 6A.2.4: Conduct studies to identify protected vegetation, protected wildlife species and associated habitat on Florida Polytechnic-controlled properties in accordance with applicable regulatory agency requirements.

Objective 6A.3: *Identify measures to conserve energy and minimize future demand.*

Policy 6A.3.1: Evaluate and implement, as appropriate, solar energy projects to provide alternative sources of power for irrigation systems, lighting, shuttles, phones, and similar systems.

Policy 6A.3.2:	Require energy conservation fixtures, high-efficiency air conditioning and lighting systems, low water volume plumbing fixtures and other building specific energy use and management techniques in all new buildings constructed on the campus.
Policy 6A.3.3:	Use courtyards, arcades and other shade and ventilation design techniques to further reduce energy demands. Landscaping and building orientation should also enhance conservation.
Policy 6A.3.4:	Encourage recycling by creating informational materials to increase awareness and installing convenient recycling centers.
Policy 6A.3.5:	Employ reclaimed water service to reduce potable water use on campus.

Chapter 7: Recreation and Open Space

New development will adhere to the open space framework as illustrated in the Conservation, Recreation & Open Space map (Appendix 1, Fig. 1.12). Areas designated to remain as open spaces or to provide outdoor campus recreation opportunities include the Central Lakes, the multi-purpose field on the east side of campus, open lawns in various campus locations, and wooded areas outside of Polytechnic Circle. Site design for future buildings will seek to maximize open space and protect sensitive lands. The Student Development Center, located southeast of existing on-campus housing, provides enclosed recreation facilities. The recently constructed outdoor multi-purpose athletic field, basketball courts and volleyball court provide much- needed on-campus recreation options for students. The Student Development Center includes a recreation building, pavilion and pool near the multi-purpose athletic field. Future recreational facilities may also be considered in nearby off campus areas in coordination with the City of Lakeland.

Goal 7A: **Florida Polytechnic University's goal is to provide adequate recreation options for the campus community in a diverse open space environment that links the campus and the larger community.**

Objective 7A.1: *Provide recreational facilities and open space to meet campus demand through the coordinated use of public and private resources.*

Policy 7A.1.1: Establish a private donor program to contribute to the development and maintenance of on-campus recreation facilities.

Policy 7A.1.2: Coordinate with the City of Lakeland and Polk County to evaluate the potential for future joint use recreation opportunities.

Objective 7A.2: *Provide improved facilities to meet on-campus recreation and physical education needs.*

Policy 7A.2.1: Maximize the potential of the Student Development Center and construct additional recreational and open space facilities to meet on-campus recreation and physical education needs. The timing and phasing for improvements shall be established by the University Administration and Board of Trustees with input from the Student Government Association in conjunction with the Capital Improvement Plan annual review.

Objective 7A.3: *Provide increased opportunities for student access to varied, high quality open spaces in accordance with the Campus Master Plan.*

Policy 7A.3.1: Invest in planning and design for campus open spaces to provide inviting outdoor living spaces appropriate to the climate.

Policy 7A.3.2: Locate lawns and wooded parks adjacent to residential and academic facilities to provide a physical setting that promotes an atmosphere of collegiality and reinforces the campus character.

Policy 7A.3.3: Develop pedestrian walkways and paths that link the campus core to recreation facilities, open spaces, parking, and natural wooded areas.

Policy 7A.3.4: To the extent practical, include interior and exterior courtyard spaces in all buildings, or closely clustered groups of buildings, as appropriate.

Chapter 8: Intergovernmental Coordination

Florida Polytechnic University initiated the policy measures necessary to implement a campus development agreement (CDA) with the City of Lakeland. The CDA, established in 2007 and in 2017, remains in effect until December 31st, 2026. It addresses concurrency management to maintain the City's adopted levels of service for infrastructure and services, and establishes measures to mitigate the impacts of campus development on the community. The University will continue to coordinate with the City of Lakeland in accordance with the CDA, and with other public entities to provide adequate infrastructure to serve campus growth. The University will also follow the mandated reciprocal review processes for plan amendments and proposed development, as required by Florida statute.

Goal 8A: **Florida Polytechnic University's goal is to achieve the goals, objectives, and policies of the Campus Master Plan through the use of collaborative planning with local agencies and governmental entities.**

Objective 8A.1: *Follow the established process for reciprocal review of growth management plans, Campus Master Plans, and plan amendments by University and local government officials.*

Policy 8A.1.1: Transmit proposed campus plan amendments which exceed the thresholds established in § 1013.30(9) Fla. Stat., to the appropriate local, regional and state agencies for review in accordance with the procedures established in Chapter 6C-21, Part I, Florida Administrative Code.

Policy 8A.1.2: Transmit proposed campus plan amendments which do not exceed the thresholds established in § 1013.30(9) Fla. Stat., but which have the effect of changing future land use designations or impacting public facilities, services or natural resources to the host and affected local governments for a courtesy review.

Policy 8A.1.3: Meet with officials from the City of Lakeland, Polk County and regional agencies on a regular basis, or as required for the purpose of coordinating planning activities. Other local, regional, state and federal agencies shall be invited to participate in these meetings as appropriate.

Policy 8A.1.4: Resolve any disputes with a local government by the process established in § 1013.30(8) Fla. Stat.

Objective 8A.2: *Follow a reciprocal development review process that assesses the impacts of proposed campus development on significant local, regional, and state resources and facilities, and assess the impacts of off-campus development on University resources and facilities. The review process is as follows:*

- Proposed development within the context area which has the potential to impact or affect University facilities and resources shall be transmitted by Florida Polytechnic to the University System's Campus Development Committee for review.
- The appropriate Florida Polytechnic representative and the University System's Vice President (as appropriate) shall meet with City and County officials to establish the criteria and thresholds for development proposals which would be subject to review by Florida Polytechnic. Florida Polytechnic shall adhere to development thresholds, developed in cooperation with City and County officials, which allow for both to review significant development proposals within the context area. Established thresholds for review will allow for exceptions to the review process for development proposals which are mutually agreed to be not significant.
- Upon receipt of an application for a development order proposed for the context area, Florida Polytechnic and the University System's Vice President shall assess the potential impacts of the proposed development on Florida Polytechnic facilities and resources. Findings shall be remitted in writing to the appropriate local government.
- When it has been determined that proposed development on campus would have an adverse impact on local services, facilities or natural resources, Florida

Polytechnic officials will participate and cooperate with City and County officials in the identification of appropriate strategies to mitigate the impacts.

- When it has been determined that proposed development within the designated context area would have an adverse impact on campus facilities and resources, Florida Polytechnic officials will participate and cooperate with City or County officials in the identification of appropriate strategies to mitigate the impacts on campus facilities and resources.
- Any dispute between Florida Polytechnic and any host or affected local government regarding the assessment or mitigation of impacts shall be resolved in accordance with the process established in § 1013.30(8) Fla. Stat.
- All campus development may proceed without further review by the host local government if it is consistent with the campus development agreement and the adopted Campus Master Plan.
- Once Florida Polytechnic pays its "fair share" and annually reports construction of capital improvements, as identified in the campus development agreement, all concurrency management responsibilities of Florida Polytechnic are deemed to be fulfilled.

Objective 8A.3: *Maintain and enhance coordination between Florida Polytechnic and public agencies to create a better community and environment.*

Policy 8A.3.1: Work with the City of Lakeland and other agencies and organizations as described in the Housing Element to coordinate, improve, and increase the availability of safe affordable housing in the Florida Polytechnic area.

Policy 8A.3.2: Coordinate with the City of Lakeland and Polk County in support of the use of appropriate funding mechanisms to coordinate and facilitate the safe use of bicycles and reduce automobile impacts on the area.

Policy 8A.3.3: Continue to cooperate with the appropriate entities to evaluate traffic impacts on roadways and endeavor to mitigate impacts through increased on-campus housing, improved transit service, and other mitigation techniques described in the Transportation Element.

Policy 8A.3.4: Maintain and periodically update the Emergency Operations Plan in coordination with Polk County Emergency Management Operations (EMO), the City of Lakeland, and other appropriate entities. The plan shall identify the extent to which University buildings can be used to provide shelter for students, faculty, staff, and the general public. Suitable campus open spaces shall be designated for use as staging areas for emergency supplies, equipment, and resources.

Goal 8B: **Florida Polytechnic University's goal is to develop collaborative public and private partnerships that enhance research and funding opportunities, including leveraging state and federal funds.**

Objective 8B.1: *Negotiate collaborative partnerships for research and funding.*

Policy 8B.1.1: Achieve increased visibility by developing and implementing an image and marketing plan that communicates the University's vision and mission and highlights achievements and contributions to the region and state.

Policy 8B.1.2: Establish mutually beneficial partnerships with pre K-12 school systems and human services organizations.

Policy 8B.1.3: Identify mutually beneficial research and grant development opportunities.

Policy 8B.1.4: Establish an Office of Community Education and Outreach and provide community education opportunities to support lifelong learning for all generations.

Policy 8B.1.5: Set and achieve ambitious fund-raising goals through collective efforts and the creative vision of the campus community.

Policy 8B.1.6: Encourage and support faculty and staff involvement in civic, professional and local service organizations.

Policy 8B.1.7: Strengthen the Alumni Organization in the central Florida region and promote alumni affinity with Florida Polytechnic.

Chapter 9: Capital Improvement

The Florida Polytechnic University 10-Year Capital Improvement Plan (CIP) provides a schedule of planned campus major capital projects by year. The projects included are those given highest priority and needed to accommodate projected student enrollment growth and planned program enhancements. The CIP is reviewed annually, and a 5-year outlook of facility needs is also prepared annually. Table 11 lists CIP projects as well as incremental phasing for construction.

The following summary descriptions of the CIP projects are ordered by priority. These priorities are based on projected space needs through the planning period with consideration for existing space in the IST building and the planned space in each of the CIP projects.

Priority 1: Applied Research Center (2021-2022)	Estimated completion; public funding sources – New construction of a 63,000 NASF/95,000 GSF facility that will accommodate laboratories and an entrepreneurship center to assist with the commercialization of products and services created from the University's research. The facility will also provide space to meet the demand for hosting industry research groups as well as national and international meetings.
Priority 2: Academic Building 3 (2023-2026)	New construction of an approximately 58,000 NASF/92,800 GSF facility which will house specialized research spaces and provide computer/office spaces for faculty and students involved in the academic research. The space will be supplemented with campus support spaces providing student services for the research and academic activity. It is anticipated that this project will be funded through a combination of public and private funding.
Priority 3: Residence Hall 3 (2023-2024)	New construction of a 96,000 NASF/134,400 GSF residence hall with 250 beds and planned spaces for learning and living. The addition of this building is based on projected on-campus housing needs described in the Housing Chapter.
Priority 4: Student Achievement Center (2026-2028)	New construction of a 40,986 NASF/65,578 GSF facility that will house an honors college, industry job center, international liaison office, faculty and industry mentorship program, and tutoring programs. Additionally, the facility will house programs that provide support for the psychological and social well-being of students. It is anticipated that this project will be funded and developed through a combination of public and private funding.

In addition to new buildings, the CIP includes expansions and upgrades to campus utilities and infrastructure. A substantial portion of the overall campus infrastructure requirement was met through Phase 1 construction. Ongoing funding will be required to extend infrastructure across the entire campus in anticipation of future development, and to enhance infrastructure in already-developed campus areas. Specific infrastructure investments are anticipated for the 2020/2021 academic year (chiller expansion), the 2024-2025 timeframe (proposed multi-use parking deck project), and the 2028/2029 academic year (chiller expansion). The anticipated funding source for campus infrastructure improvements is public funding, except for the option for bond or public private partnership financing for the proposed parking structure.

Table 11: Florida Polytechnic University 10-Year Capital Improvement Plan

PROJECT	YEAR										TOTAL NASF/ GSF
	2020 2021	2021 2022	2022 2023	2023 2024	2024 2025	2026 2027	2027 2028	2028 2029	2029 2030	2030 2031	
Applied Research Center	63,000 NASF $15M	$15M									63,000 95,000
Academic Building				58,000 NASF $12M	$19M	$13M					58,000 92,800
Student Achievement Center						40,986 NASF $11M	$14M	$3M			40,986 65,578
Sub-Totals, Academic Buildings											**161,986 253,378**
Residence Hall 3 & 4				96000 NASF $35M			96000 NASF $35M				192000 268,800
Sub-Totals, Residence Halls											**192,000 268,000**
Utilities &Infrastructure	**	** $2M	**	**	**	** $2M	**	** $4M	**	**	--

** Annual improvements and expansions to campus utilities and infrastructure as well as recreation and parking facilities.

Goal 9A: **Florida Polytechnic University's goal is to provide educational and support facilities in a manner that protects the investment in and maximizes the use of facilities, and promotes prioritized, planned campus development.**

Objective 9A.1: *Provide a schedule of capital improvements needed to maintain adequate levels of service and address existing and projected needs for campus facilities.*

Policy 9A.1.1: Continue to adopt a Capital Improvement Plan and annual capital budget as part of the annual budgeting process.

Policy 9A.1.2: Schedule and fund capital improvements identified in the Capital Improvement Plan in cooperation with the State University System's Office of Capital Programs.

Policy 9A.1.3: Evaluate, rank and revise the order of priority as necessary for facilities and projects identified in the 10-Year Capital Improvement Plan (CIP). Building locations indicated in the CIP may be exchanged for other building locations, as depicted in the Campus Master Plan, if the alternative location is deemed preferable due to unforeseen or changed conditions related to program, cost, or other justifiable reason, and is within the same Future Land Use area. (Any such location changes shall require approval of the Florida Polytechnic Board of Trustees with indication that the project supports the primary land use function and is consistent with the Land Use element of this plan as well as with the Campus Development Agreement with the City of Lakeland.)

Objective 9A.2: *Provide needed campus improvements and manage the expansion campus development process without exceeding the University's ability to fund initial construction costs, on-going operation costs, maintenance costs and impact costs.*

Policy 9A.2.1: Ensure improvements are consistent with the Campus Development Agreement and the Campus Master Plan.

Policy 9A.2.2: Program and budget for future facilities with consideration for the cost of site improvements, utility extensions and associated easements, parking, traffic

	circulation improvements, operation and maintenance, and other elements necessary for proper function.
Policy 9A.2.3:	Make provisions for the adoption of the capital budget as part of the annual budgeting process and include provisions which are consistent with the Campus Development Agreement and Campus Master Plan.
Policy 9A.2.4:	Plan for adequate level of service when implementing capital improvements identified in this Campus Master Plan.
Policy 9A.2.5:	Adhere to sound fiscal policies in the process of campus development. New capital improvements, expansions or replacements should not proceed until adequate funding sources have been identified and committed.
Objective 9A.3:	Use the Capital Improvement Plan to guide the construction of capital facilities, to correct existing deficiencies, to accommodate desired future growth and to replace exhausted or obsolete facilities.
Policy 9A.3.1:	Make provisions for the replacement and/or renovation of capital facilities when it is determined that a facility is nearing the end of its useful life.
Policy 9A.3.2:	Continue to adhere to capital improvement programming procedures and amend this master plan as needed, in concert with revisions to the Capital Improvement Plan.

Appendix 1

Maps and Figures

Florida Polytechnic University Campus Master Plan 2021-2031

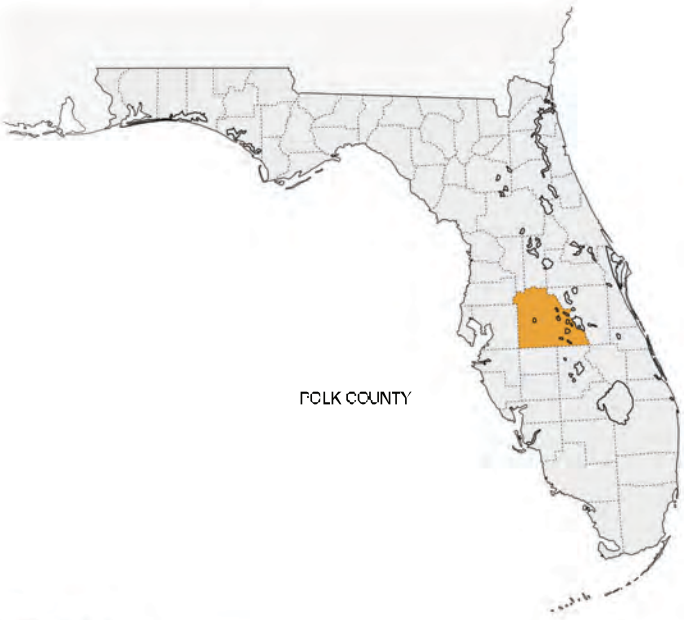
Prepared by:

Facilities and Safety Services
Florida Polytechnic University

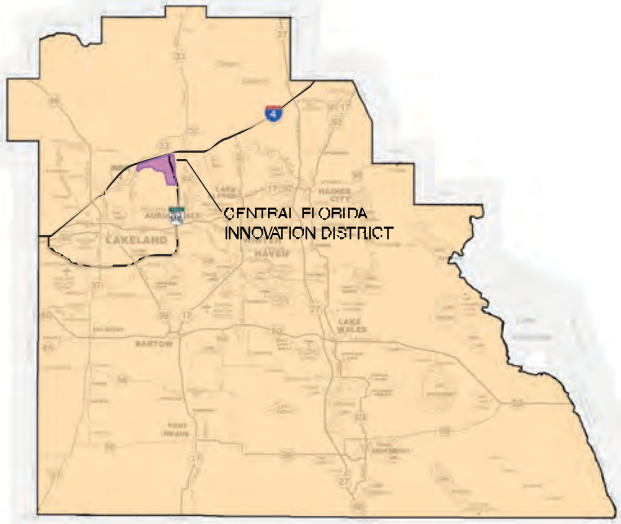
Straughn Trout Architects LLC
Lakeland, Florida

Figure 1.1: **CAMPUS PROPERTY LOCATION MAP**

FLORIDA POLYTECHNIC UNIVERSITY

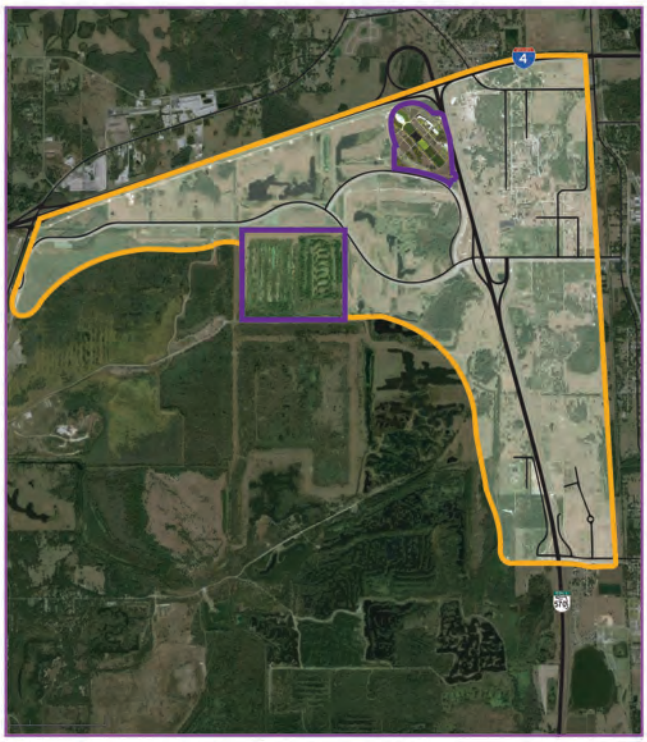


STATE MAP



POLK COUNTY MAP

CENTRAL FLORIDA INNOVATION DISTRICT MAP



LEGEND

- CENTRAL FLORIDA INNOVATION DISTRICT
- FLORIDA POLYTECHNIC UNIVERSITY PROPERTIES

VICINITY AERIAL PHOTOGRAPHY

LEGEND

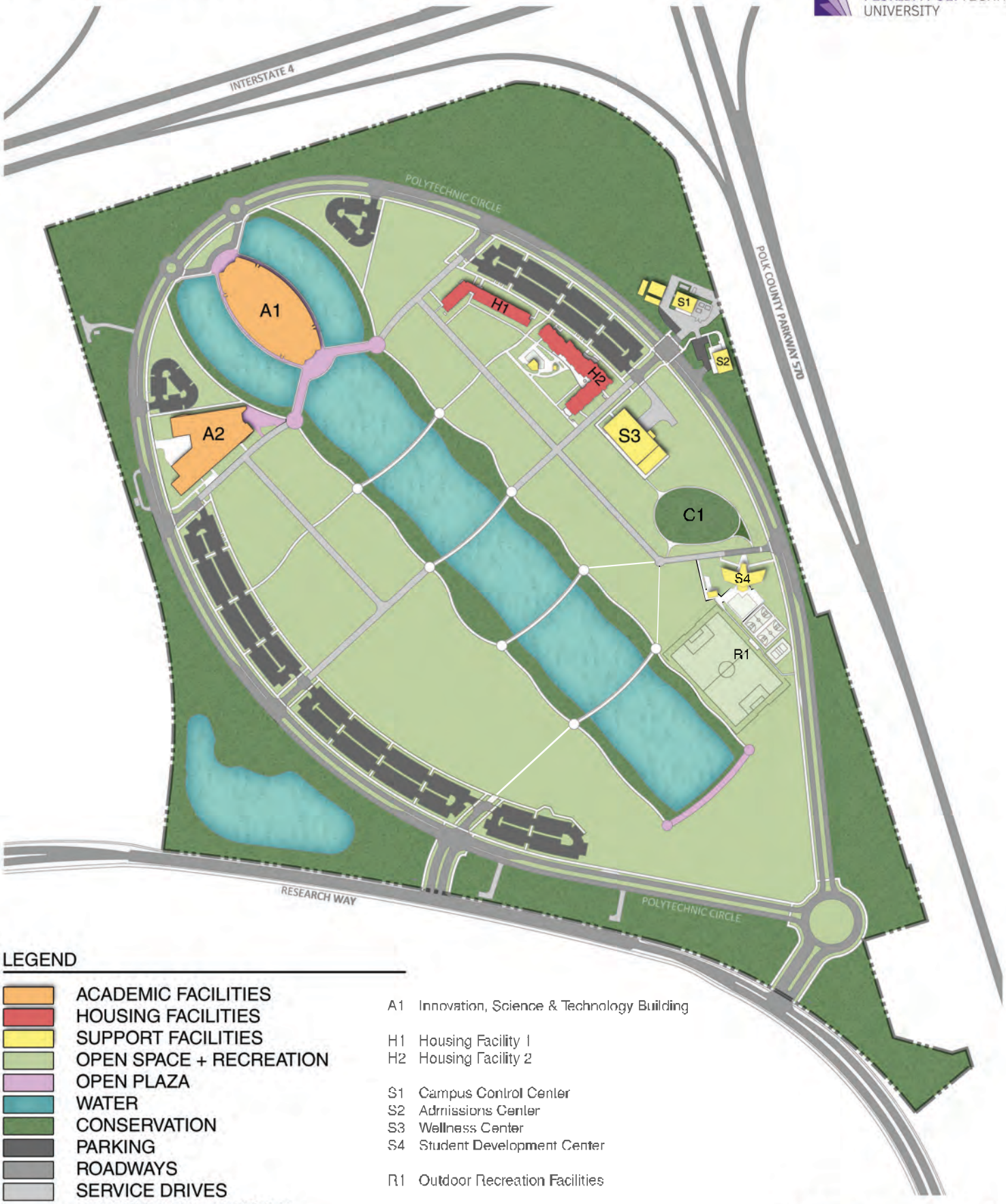
- A MAIN UNIVERSITY CAMPUS
- B PLANNED RECREATION
- C PLANNED CONSERVATION & WETLANDS

N

STRAUGHN TROUT ARCHITECTS

Figure 1.2: **EXISTING DEVELOPMENT MAP**

FLORIDA POLYTECHNIC UNIVERSITY



LEGEND

- ACADEMIC FACILITIES
- HOUSING FACILITIES
- SUPPORT FACILITIES
- OPEN SPACE + RECREATION
- OPEN PLAZA
- WATER
- CONSERVATION
- PARKING
- ROADWAYS
- SERVICE DRIVES
- PEDESTRIAN + BICYCLE

A1 Innovation, Science & Technology Building

H1 Housing Facility 1
H2 Housing Facility 2

S1 Campus Control Center
S2 Admissions Center
S3 Wellness Center
S4 Student Development Center

R1 Outdoor Recreation Facilities

C1 Oak Grove

0 500' N

STRAUGHN TROUT ARCHITECTS

Figure 1.3: **FUTURE LAND USE MAP**

FLORIDA POLYTECHNIC UNIVERSITY

LEGEND

- ACADEMIC FACILITIES
- HOUSING FACILITIES
- SUPPORT FACILITIES
- OPEN SPACE + RECREATION
- OPEN PLAZA
- WATER
- CONSERVATION
- PARKING
- ROADWAYS
- SERVICE DRIVES
- PEDESTRIAN + BICYCLE

A1 Innovation, Science & Technology Building
A2 Applied Research Center
A3 Academic Research Support Building (Planned)

C1 Oak Grove

H1 Housing Facility 1
H2 Housing Facility 2
H3 Housing Facility 3 (Planned)
R1 Campus Recreation Facilities

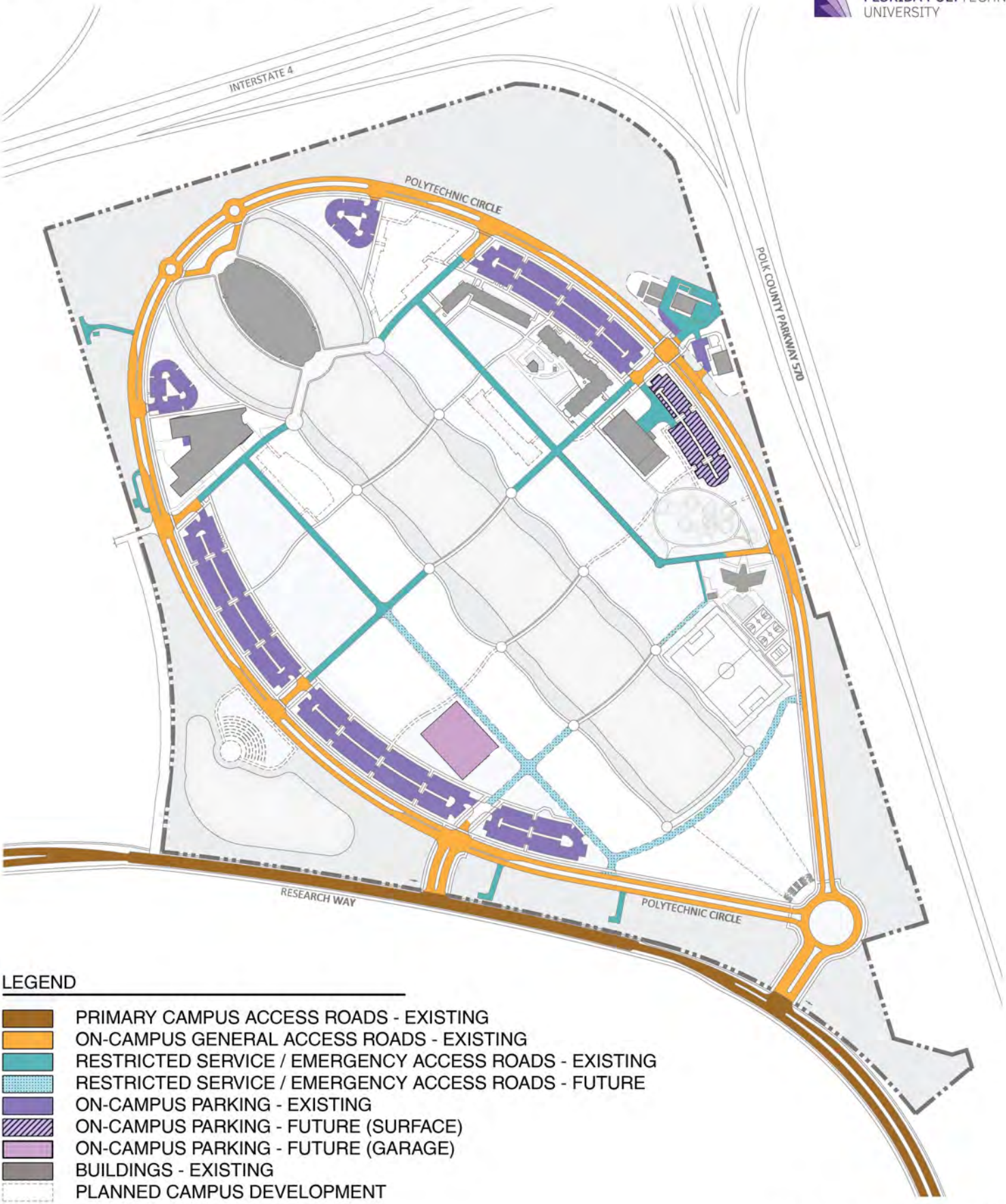
S1 Campus Control Center
S2 Admissions Center
S3 Wellness Center - Phase 1
S4 Student Development Center
S5 Student Achievement Center (Planned)
S6 Mechanical Shop (Planned)
S7 Public Private Partnership Facility(Planned)

0 500' N

STRAUGHN TROUT ARCHITECTS

Figure 1.4: **VEHICULAR CIRCULATION & PARKING MAP**

FLORIDA POLYTECHNIC UNIVERSITY



LEGEND

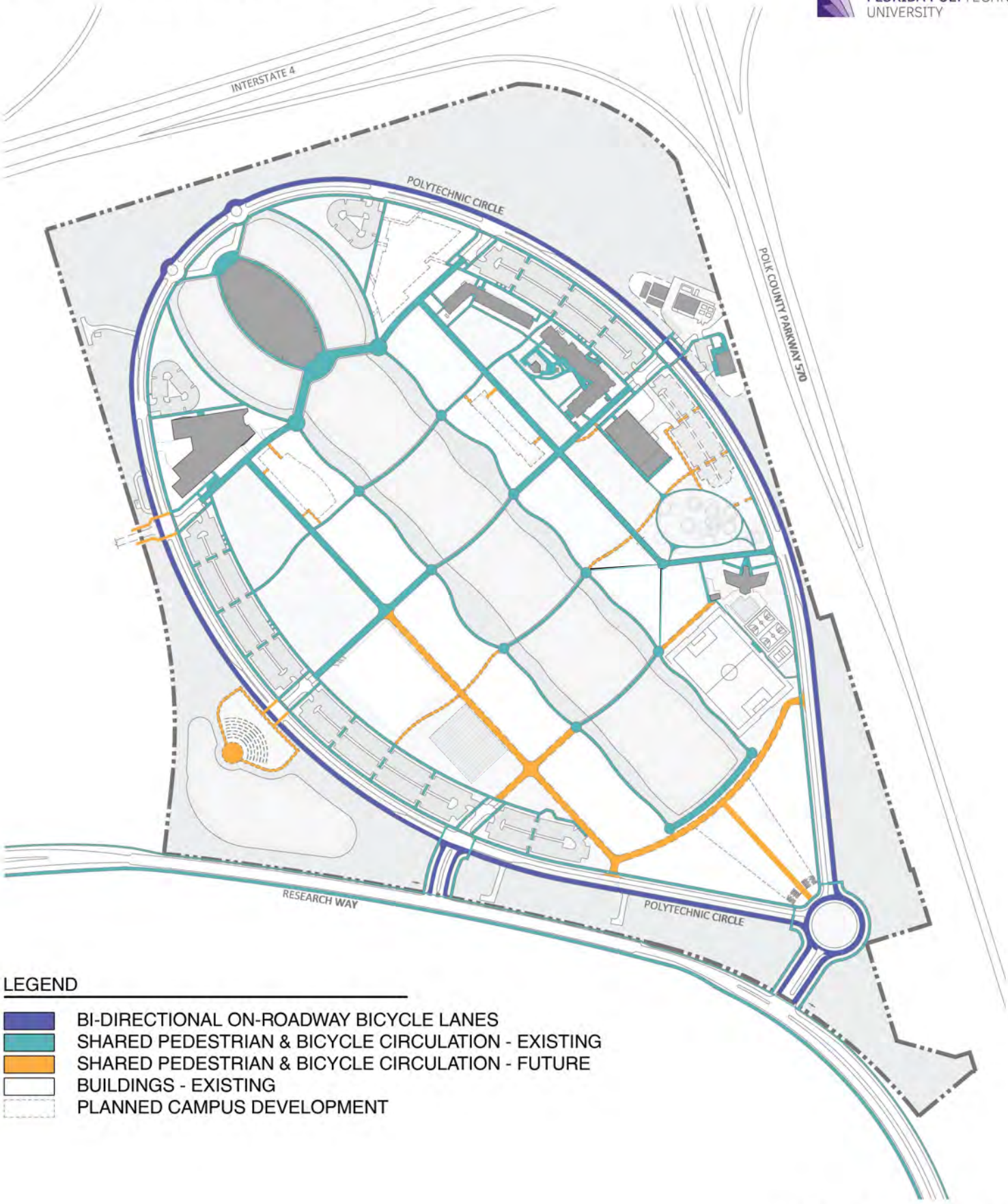
- PRIMARY CAMPUS ACCESS ROADS - EXISTING
- ON-CAMPUS GENERAL ACCESS ROADS - EXISTING
- RESTRICTED SERVICE / EMERGENCY ACCESS ROADS - EXISTING
- RESTRICTED SERVICE / EMERGENCY ACCESS ROADS - FUTURE
- ON-CAMPUS PARKING - EXISTING
- ON-CAMPUS PARKING - FUTURE (SURFACE)
- ON-CAMPUS PARKING - FUTURE (GARAGE)
- BUILDINGS - EXISTING
- PLANNED CAMPUS DEVELOPMENT

0 500' N

STRAUGHN TROUT ARCHITECTS

Figure 1.5: **PEDESTRIAN & BICYCLE CIRCULATION MAP**

FLORIDA POLYTECHNIC UNIVERSITY



STRAUGHN TROUT ARCHITECTS

Figure 1.6: **CAMPUS TRANSIT MAP**

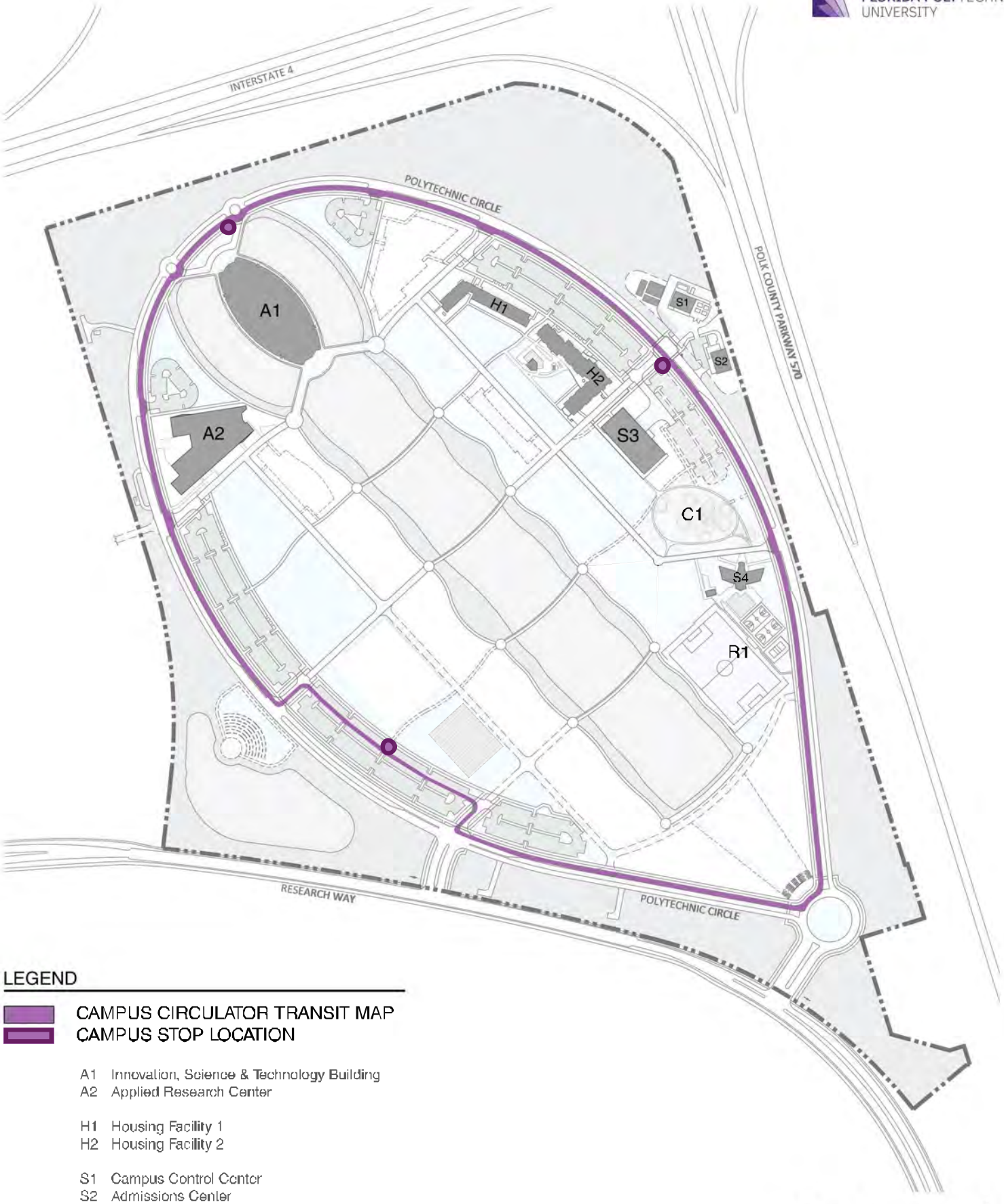
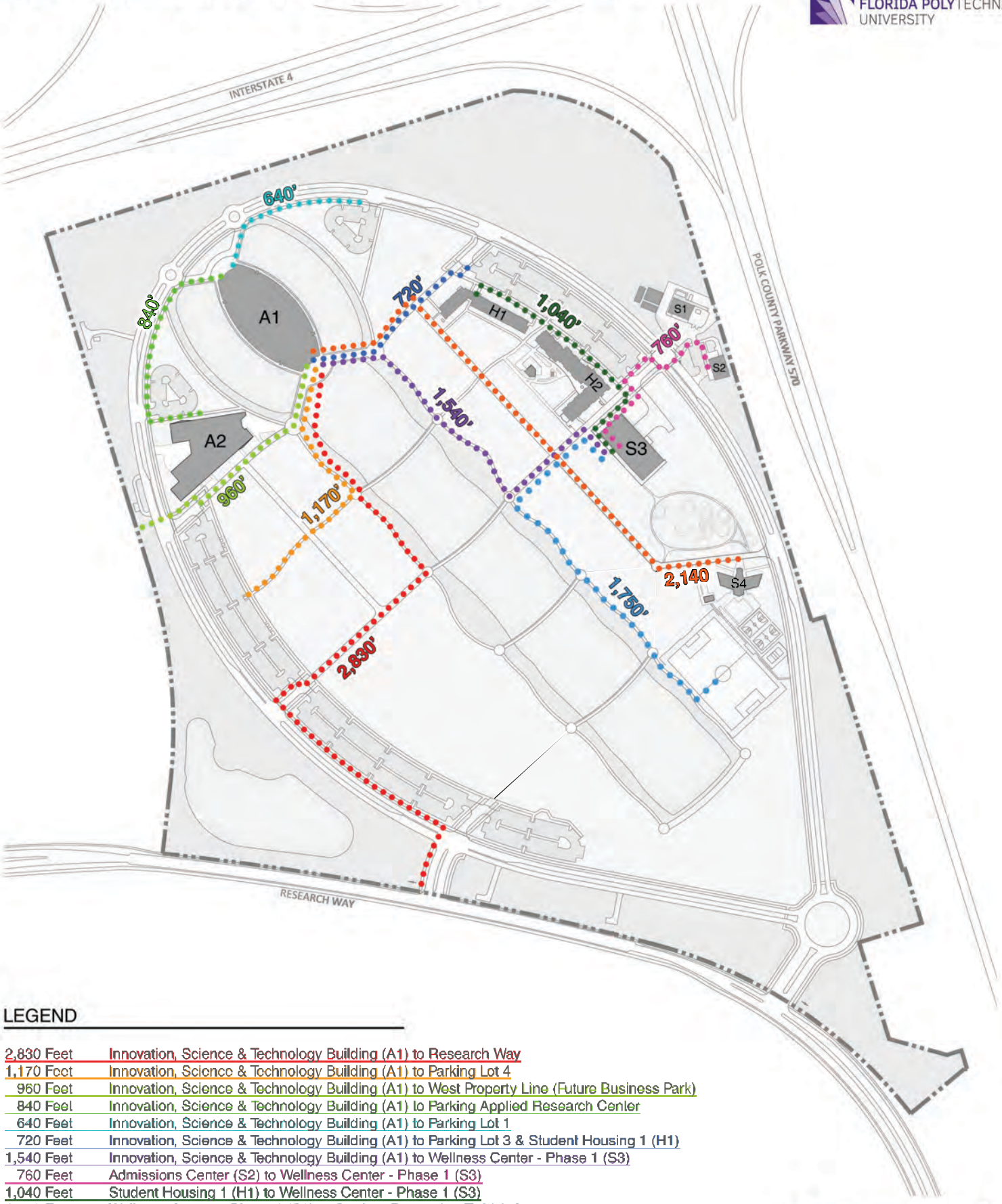


Figure 1.7: **WALKING DISTANCES & ADJACENT NON-UNIVERSITY LAND MAP**

FLORIDA POLYTECHNIC UNIVERSITY



LEGEND

2,830 Feet	Innovation, Science & Technology Building (A1) to Research Way
1,170 Feet	Innovation, Science & Technology Building (A1) to Parking Lot 4
960 Feet	Innovation, Science & Technology Building (A1) to West Property Line (Future Business Park)
840 Feet	Innovation, Science & Technology Building (A1) to Parking Applied Research Center
640 Feet	Innovation, Science & Technology Building (A1) to Parking Lot 1
720 Feet	Innovation, Science & Technology Building (A1) to Parking Lot 3 & Student Housing 1 (H1)
1,540 Feet	Innovation, Science & Technology Building (A1) to Wellness Center - Phase 1 (S3)
760 Feet	Admissions Center (S2) to Wellness Center - Phase 1 (S3)
1,040 Feet	Student Housing 1 (H1) to Wellness Center - Phase 1 (S3)
1,750 Feet	Wellness Center - Phase 1 (S3) to Outdoor Recreation Field & Courts
2,140 Feet	Innovation, Science & Technology Building (A1) to Student Development Center (S4)

0 500' N

STRAUGHN TROUT ARCHITECTS

Figure 1.8: **HOUSING FACILITIES MAP**

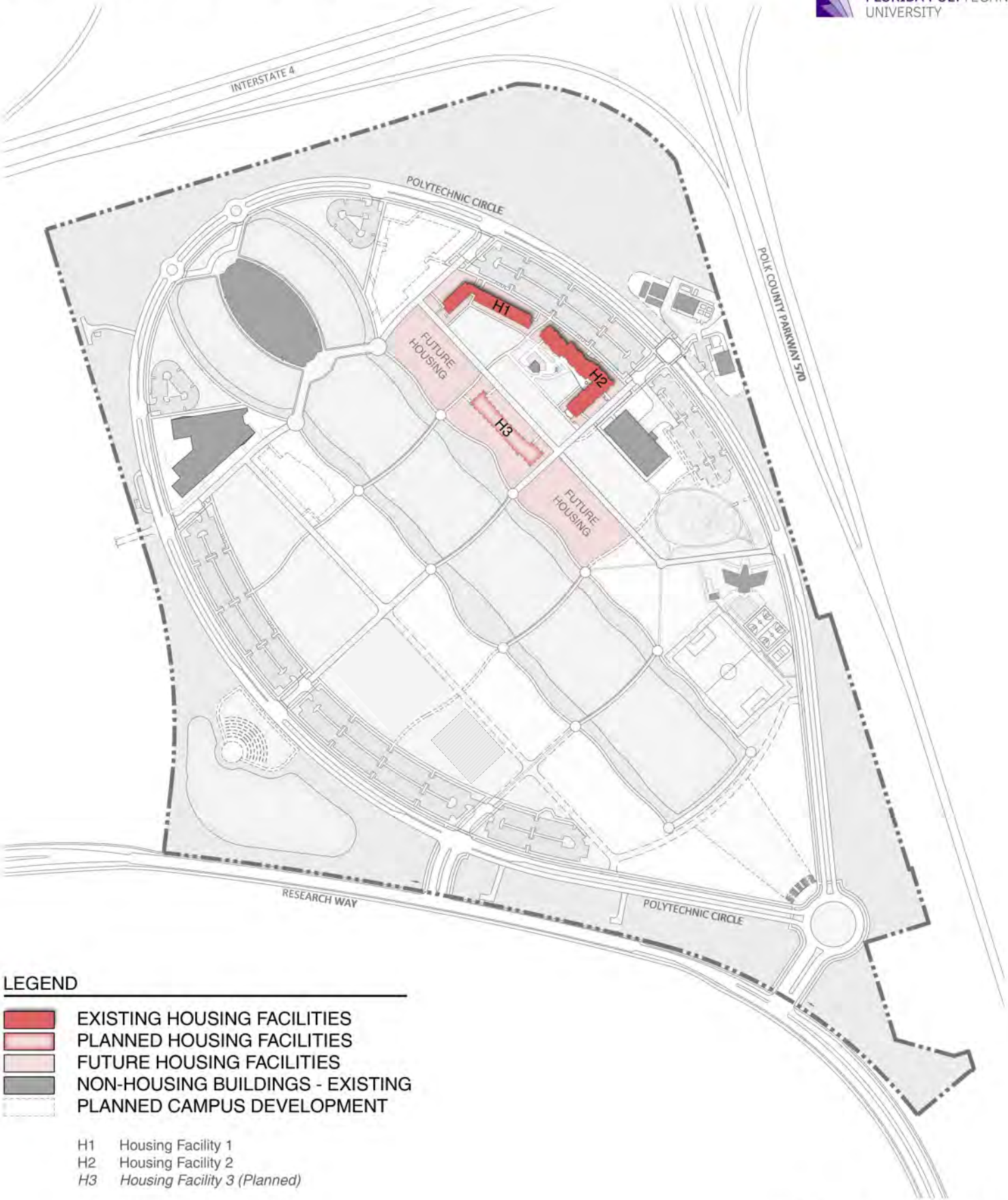
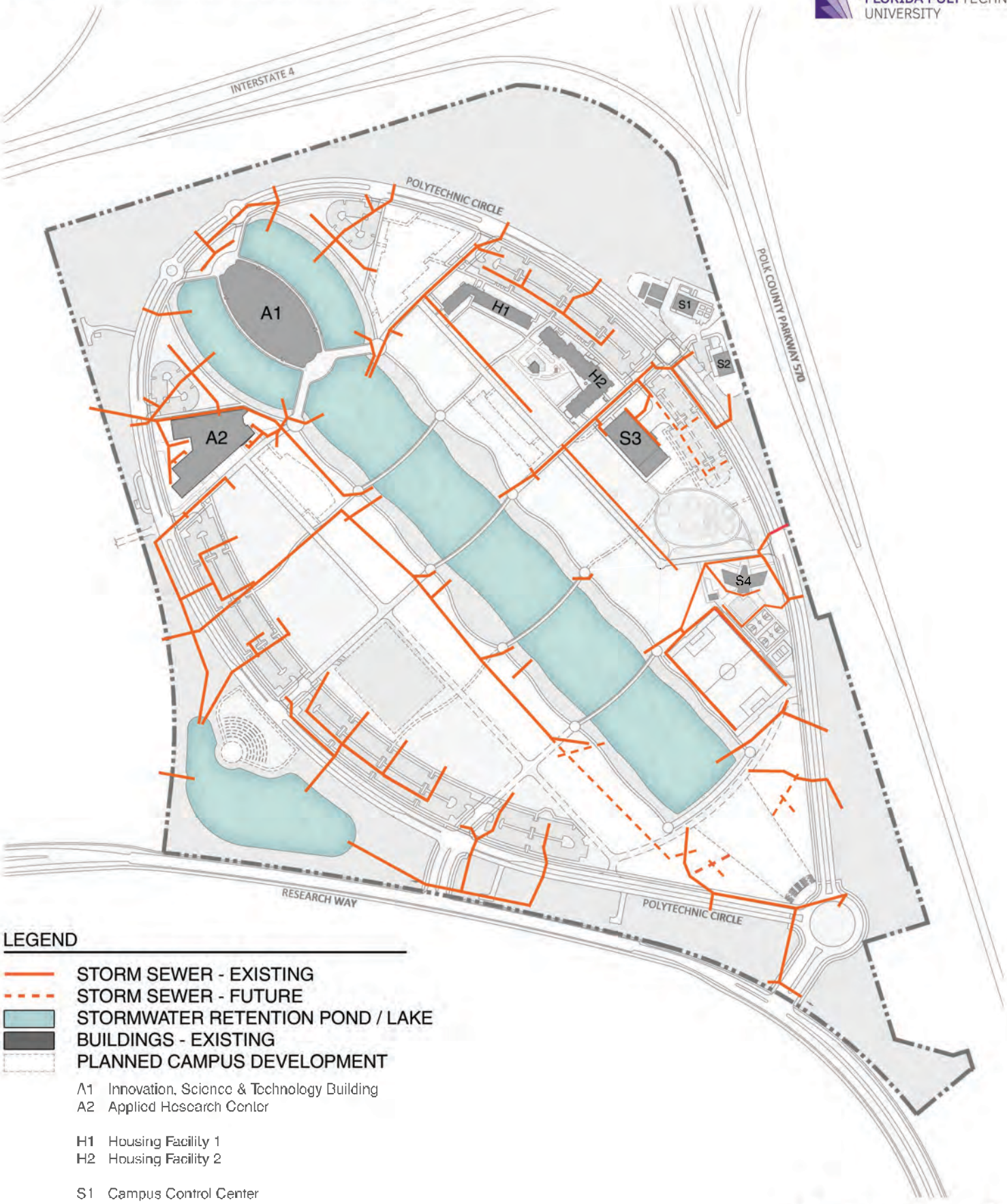


Figure 1.9: **STORMWATER MANAGEMENT MAP**

FLORIDA POLYTECHNIC UNIVERSITY



LEGEND

- STORM SEWER - EXISTING
- STORM SEWER - FUTURE
- STORMWATER RETENTION POND / LAKE
- BUILDINGS - EXISTING
- PLANNED CAMPUS DEVELOPMENT

A1 Innovation, Science & Technology Building
A2 Applied Research Center

H1 Housing Facility 1
H2 Housing Facility 2

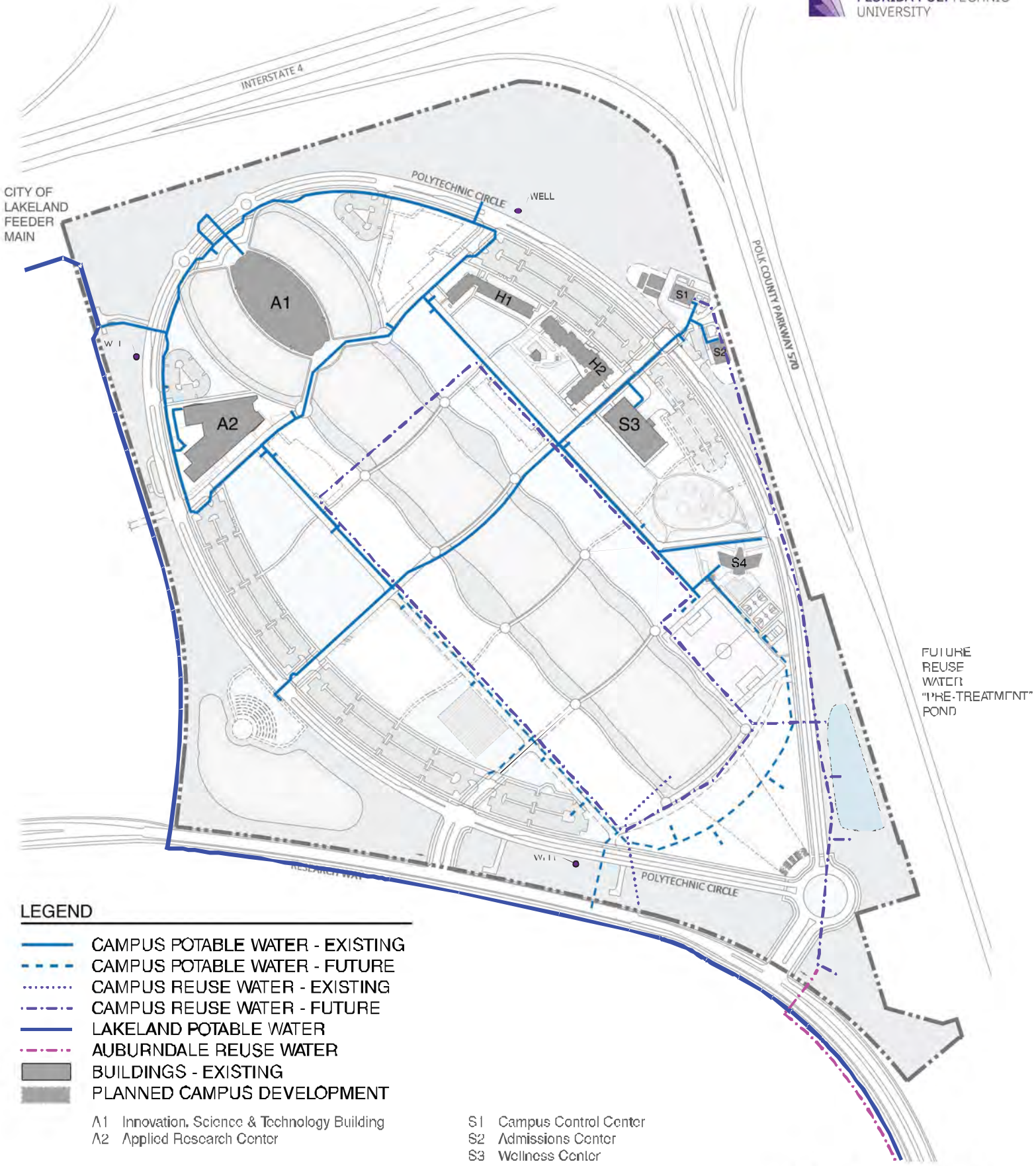
S1 Campus Control Center
S2 Admissions Center
S3 Wellness Center - Phase 1
S4 Student Development Center

0 500' N

STRAUGHN TROUT ARCHITECTS

Figure 1.10: POTABLE & REUSE WATER DISTRIBUTION MAP

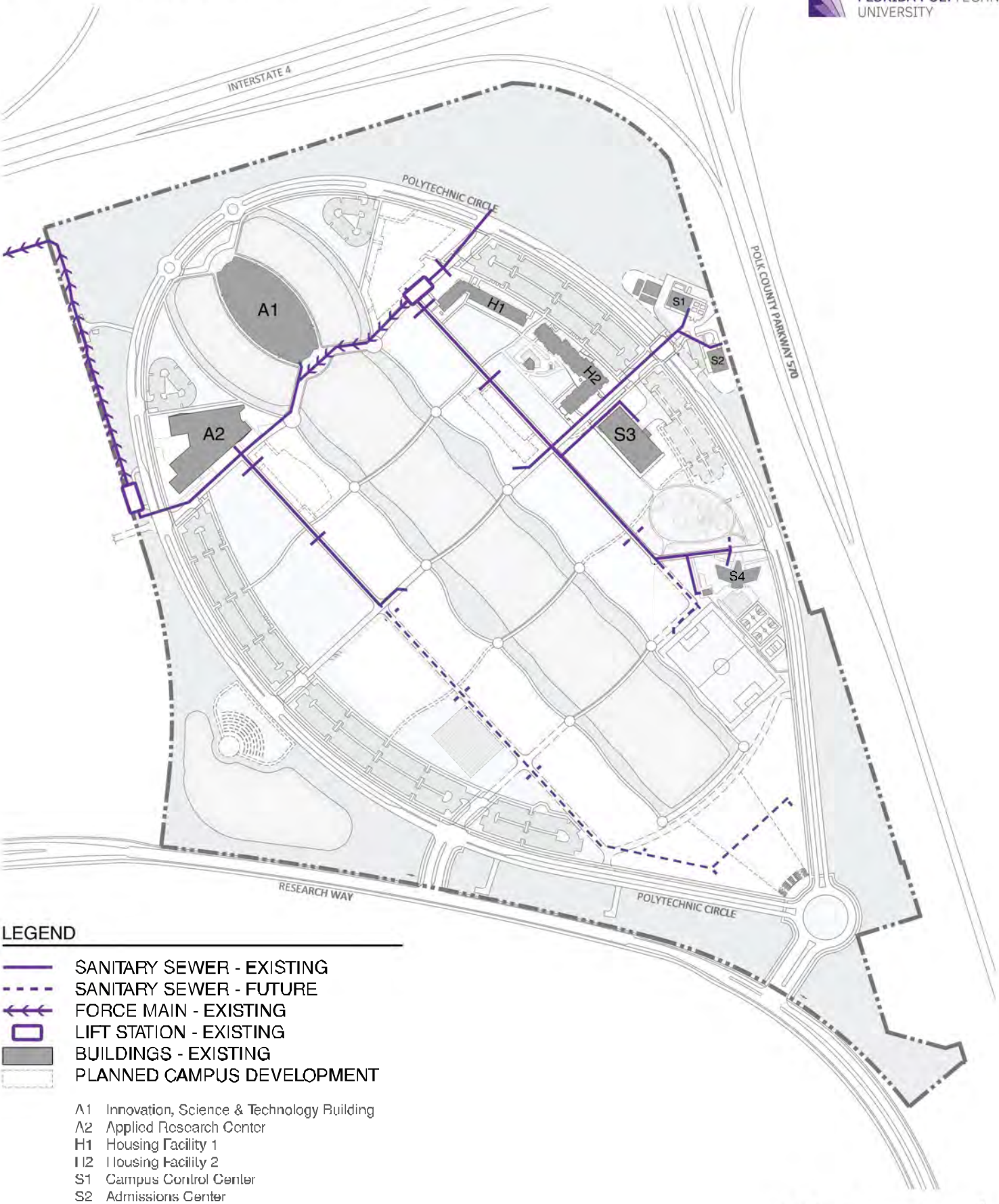
FLORIDA POLYTECHNIC UNIVERSITY



STRAUGHN TROUT ARCHITECTS

Figure 1.11: **SANITARY SEWER COLLECTION MAP**

FLORIDA POLYTECHNIC UNIVERSITY



LEGEND

- SANITARY SEWER - EXISTING
- SANITARY SEWER - FUTURE
- FORCE MAIN - EXISTING
- LIFT STATION - EXISTING
- BUILDINGS - EXISTING
- PLANNED CAMPUS DEVELOPMENT

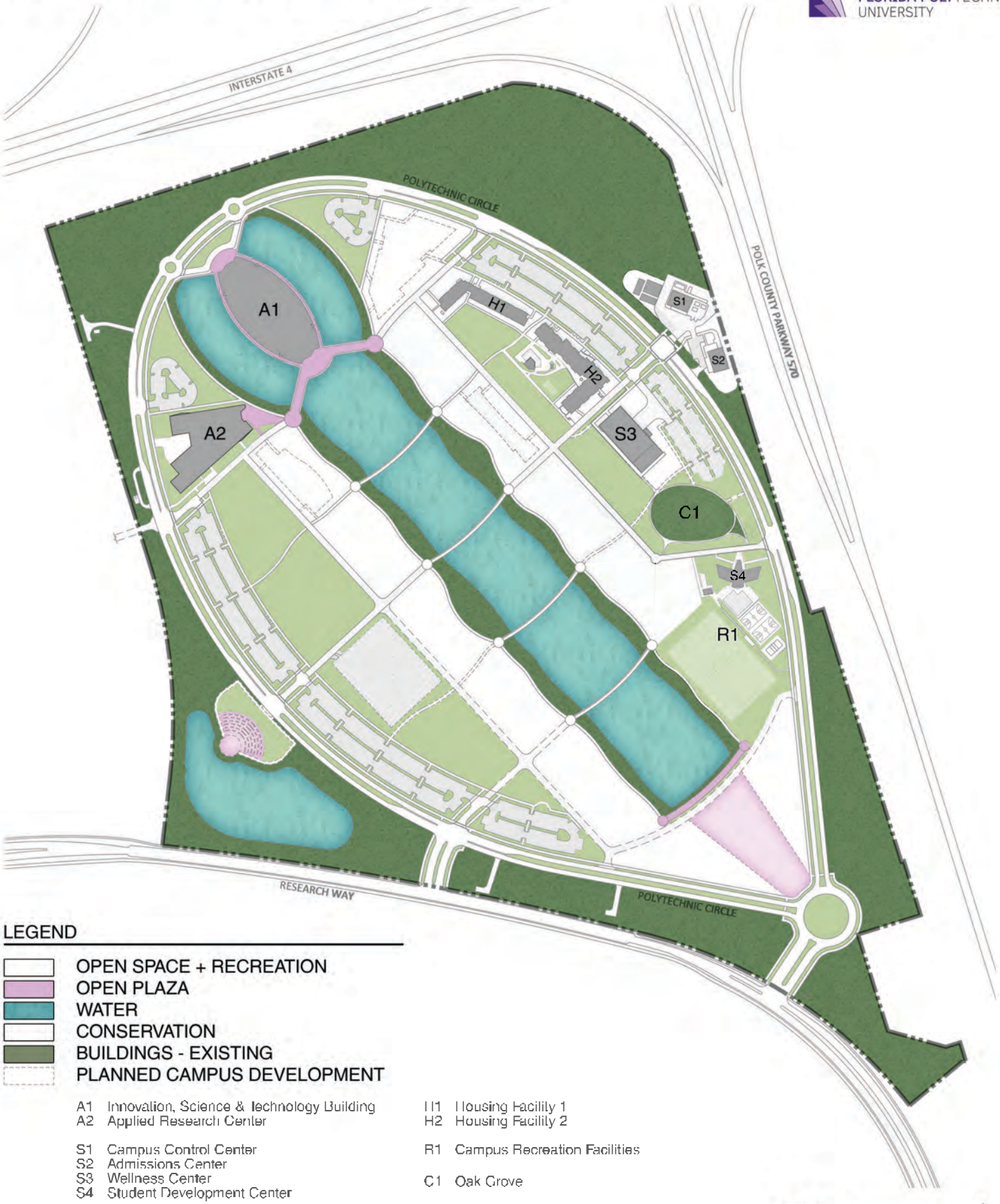
A1 Innovation, Science & Technology Building
A2 Applied Research Center
H1 Housing Facility 1
H2 Housing Facility 2
S1 Campus Control Center
S2 Admissions Center
S3 Wellness Center - Phase 1
S4 Student Development Center

0 500' N

STRAUGHN TROUT ARCHITECTS

Figure 1.12: **CONSERVATION, RECREATION & OPEN SPACE MAP**

FLORIDA POLYTECHNIC UNIVERSITY



LEGEND

- OPEN SPACE + RECREATION
- OPEN PLAZA
- WATER
- CONSERVATION
- BUILDINGS - EXISTING
- PLANNED CAMPUS DEVELOPMENT

A1 Innovation, Science & Technology Building
A2 Applied Research Center

S1 Campus Control Center
S2 Admissions Center
S3 Wellness Center
S4 Student Development Center

H1 Housing Facility 1
H2 Housing Facility 2

R1 Campus Recreation Facilities

C1 Oak Grove

0 500' N

STRAUGHN TROUT ARCHITECTS

Appendix 2

Data Collection and Analysis Report

Florida Polytechnic University Campus Master Plan 2021-2031

Prepared by:

Facilities and Safety Services
Florida Polytechnic University

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Chapter 1: Academic Vision

The Florida Polytechnic University Strategic Plan is the basis for Academic Mission and Program goals and objectives presented in the Campus Master Plan. The Strategic Plan details the University's guiding principles, goals and objectives for the next five years.

Since the inception of Florida Polytechnic University, the Board of Trustees and University leaders have worked diligently to establish Florida Polytechnic University as the 12th member of the State University System of Florida. The University's foundational Strategic Planning process began in September 2013 with environmental scans conducted with external constituents. On December 6, 2013 the environmental scan was followed by a SWOT analyses (strengths, weaknesses, opportunities and threats). Faculty, staff, Board of Trustees and Foundation members, community leaders, and other stakeholders participated in the SWOT analyses. Through those efforts and subsequent meetings five strategic goals were identified, along with core values and objectives, to help fulfill the University's mission, vision, and strategic position for the next five years.

Titled **Advancing to Excellence**, the Florida Poly 2018-2023 strategic plan outlines the academic and economic goals the University will work to attain by the year 2023. One of the goals is to influence the economic development of the 4,000 acres which surround Florida Poly, to create a research park that will bring together industry, academia, and government. The strategic plan was approved by the Board of Trustees in September 2018.

In addition to providing guidance for Campus Master Planning, the Strategic Plan guides the budgeting process and assessment plans with corresponding strategies to achieve the goals and objectives. These strategies also tie ownership to the goals and objectives.

Chapter 2: Future Land Use

This element designates existing and future development as reflected in the goals, objectives and policies of the 2021-2031 Campus Master Plan, and describes how future development will be coordinated with land uses planned by the host government in the planning study area.

Space and Building Needs Assessment

This section inventories and assesses existing and projected space and building needs based on full-time equivalent (FTE) and headcount enrollment projections.

Enrollment

Student population data were provided by Florida Polytechnic University for the projected future enrollment over the 10-year master plan horizon. Faculty and staff employment is assumed to grow at a similar rate with the student population growth over the planning horizon. A summary of the existing and projected student enrollment at Florida Polytechnic University, by FTE and headcount (HC), for the 10-year planning period is shown in Table 1.

Table 1: Existing and Projected Florida Polytechnic University Enrollment (FL FTE* and Headcount)

CATEGORY	2020-2021 ACADEMIC YEAR	2025-2026 ACADEMIC YEAR	2030-2031 ACADEMIC YEAR	PROJECTED GROWTH (2020-2021 to 2030-2031)
FL FTE*	1,250	1,970	2,736	218.88%
Headcount	1,422	2,160	3,000	210.97%

* Florida Full Time Equivalent (FL FTE)

Source: Florida Polytechnic University Office of Institutional Research (OIR)

Existing Land Uses

The Existing Development Map (Figure 1.2 in Appendix 1) shows existing land uses on the 170.54-acre main campus that have resulted from completion of Phase 1 of campus development. The existing land uses include Academic Facilities (the IST Building), Housing Facilities, Support Facilities (Wellness Center, Admissions Office, Campus Control Center, the

Student Development Center), and Open Space and Recreation areas that are linked by a network of shared pedestrian and bicycle paths. Specific buildings and uses are described below:

- The state-of-the-art Innovation, Science & Technology (IST) Building is the University's first academic building. As it serves multiple functions, space in the IST building includes all applicable classifications: classrooms, teaching labs, library space, research labs, office space, student center space and support space.
- Housing facilities are located on the north end of campus and include a 219-bed apartment-style 4 bedroom/2 bath residence hall and an adjacent 539-bed residence hall, with 490 in semi-suite style and 49 beds in apartment style.
- The Wellness Center (student center, dining hall, and mailroom) is a support facility located on the east side of campus in close proximity to the Admissions Office and Campus Control Center. Though substantial in size and function, the Wellness Center is not considered to be a permanent building (classified as temporary due to projected service life less than 20 years).
- In addition to fitness amenities in the 8,600 GSF Student Development Center, an outdoor multi-purpose athletic field, basketball courts and volleyball court provide on-campus recreation options for students.
- Undeveloped areas are primarily designated as Open Space or Conservation areas.

Parking areas, roads, service drives, open plazas, and water (generally seven stormwater retention ponds, or the "Central Lakes," along the axis of the campus) are also delineated on the Existing Development Map.

Projected Space and Building Needs

Projections for building space needs at the Florida Polytechnic Campus are shown in Tables 2 and 3. Table 2 provides projections of facility space needs based on application of Florida Board of Governors standards to Florida Polytechnic enrollment projections. In total, for the 2030-2031 academic year with projected FTE of 2,736 the total net/assignable space need for the campus will be 243,504 square feet, not inclusive of on-campus residential buildings. The category with greatest space requirement will be offices, study space, and research labs.

Table 2: Florida Polytechnic University 2031 Facility Space Needs Projections*

CATEGORY OF SPACE	SPACE FACTOR (Required Net/ Assignable Square Feet/FTE)	2030-2031 NET/ASSIGNABLE SPACE PROJECTED NEED[B]	2030-2031 GROSS SPACE PROJECTED NEED [C]
Classroom (lecture)	9.0 sq. ft. per FTE	24,624	39,398
Teaching Lab	11.25 sq. ft. per FTE	30,780	49,248
Research Lab	18.75 sq. ft. per FTE	51,300	82,080
Instructional Media	3.0 sq. ft. per FTE	8,208	13,133
Auditorium/Exhibit	2.25 sq. ft. per FTE	6,156	9,850
Office/Computer	22.5 sq. ft. per FTE	61,560	98,496
Gymnasium	4.5 sq. ft. per FTE	12,312	19,699
Study	13.5 sq. ft. per FTE	36,936	59,098
Campus Support	4.24 sq. ft. per FTE [A]	11,628	18,605
TOTAL[D]		**243,504**	**389,606**

* Based on latest approved OIR projections
[A] 5% of total space per State Requirements for Educational Facilities' guidelines
[B] Based on projected 2,736 FL FTE for 2030-2031 Academic Year
[C] Based on 1.6 Net to Gross Conversion Rate
[D] Residence Hall space needs not included
Source: Florida Polytechnic University Office of Institutional Research (OIR)

Table 3 presents a comparison of existing net/assignable square feet provided by the IST building with the projected space needs for 2030-2031. When existing academic space in the IST and ARC buildings are factored in, the resulting additional net/assignable space need over the 10-year planning horizon totals 243,504 net assignable square feet. The majority of needed additional space is for offices, study space and research labs. Needs also are projected for instructional media, gymnasium, and campus support spaces.

Table 3: Florida Polytechnic University Required Additional Facility Space Needs

CATEGORY OF SPACE	EXISTING ON CAMPUS NET/ASSIGNABLE SPACE	PROJECTED (ARC) NET/ASSIGNABLE SPACE [A]	EXISTING & PROJECTED NET/ASSIGNABLE SPACE	2031 NET/ASSIGNABLE SPACE PROJECTED NEED	10-YEAR FORECAST OF REQUIRED ADDITIONAL NET/ASSIGNABLE SPACE
Classroom (lecture)	*19,142*	*8,256*	**27,398**	*24,624*	**-2,774**
Teaching Lab	*20,909*	*9,226*	**30,135**	*30,780*	**645**
Research Lab	*6,754*	*10,525*	**17,279**	*51,300*	**34,021**
Instructional Media	*0*	*0*	**0**	*8,208*	**8,208**
Auditorium/ Exhibition	*2,499*	*5,594*	**8,093**	*6,156*	**-1,937**
Office/Computer	*16,903*	*9,730*	**26,633**	*61,560*	**34,927**
Gymnasium	*4,487*	*0*	**4,487**	*12,312*	**7,825**
Study	*15,172*	*2,472*	**17,644**	*36,936*	**19,292**
Campus Support	*5,198*	*2,783*	**7,981**	*11,628*	**3,647**
TOTAL	***91,064***	***48,587***	**139,651**	***243,504***	**103,853**

[A] Existing IST Building and Projected ARC Building Net/Assignable Square Feet
Source: Florida Polytechnic University Office of Institutional Research (OIR)

The 10-Year Capital Improvement Plan (see Table 11 Chapter 9) responds to space needs projections by prioritizing facilities that correspond to highest projected levels of facility space needs. In total, planned capital improvements total 103,853 net/assignable square feet, which is slightly less than projected requirements for the 2030-2031 academic year. Future needs are depicted on the Future Land Use Map (Figure 1.3, Appendix 1) and are described in detail in the next section.

Future Development

This section assesses and describes future development needs, including specific land uses, facilities, density/intensity of use standards, and the suitability of existing Florida Polytechnic- controlled properties for accommodating anticipated growth.

Future Land Use Map

The Future Land Use Map (Figure 1.3, Appendix 1) presents the plan for campus development by identifying future land uses for all areas of the Florida Polytechnic campus, and identifying the intended locations for planned buildings to be included in Phase 2 of campus development over the next ten years (see also Chapter 9). Proposed development is based on projected enrollment and space needs described in the previous sections of this Chapter.

The Future Land Use Map shows the following land use categories for future development:

- **Academic Facilities:** A combination of classroom, teaching lab, research and supporting uses
- **Housing Facilities:** On-campus residences for students
- **Support Facilities:** Support, faculty and staff office, and auxiliary services
- **Open Space and Recreation:** Passive and active greenspace, including recreation and support buildings
- **Open Plaza:** Spaces designed for outdoor gathering and assembly uses
- **Water:** Permanently inundated landscape areas that serve functions such as stormwater management and irrigation
- **Conservation:** Undeveloped areas that may remain in conservation use (such as environmental preservation or stormwater conveyance) or that, in some circumstances, may be reserved for future facilities development
- **Parking:** Surface parking and parking structures

Density and Intensity of Use Standards

The preceding section (Space and Building Needs Assessment) describes the analysis to determine campus space needs within the planning horizon (extending to the 2030-2031 academic year), and the sub-section to follow (Future Facilities)

also identifies facilities planned to be developed within the planning horizon. The planning intent for density and intensity of land uses extends beyond the horizon of this Campus Master Plan to the ultimate build-out of the campus, with timeframe undetermined at this time.

Campus build-out density and intensity standards are directly associated with each of the land use categories for future development as shown on the Future Land Use Map. Maximum allowances for density and intensity of each type of land use is applied at the level of the land use category and is phrased in terms of Floor to Area Ratio (FAR), which is a common measure of land use intensity for non-residential land use. The FAR is a comparison of built space (square feet of construction) to the land area on which a structure is built. For example, if 100,000 square feet of construction is located on a site measuring one acre, the FAR is approximately 2.3 (100,000/43,560=2.295).

For purposes of the areas of campus designated for housing land use, density is expressed in terms of the number of beds per acre. This compares with the common practice in urban/regional land use planning of expressing residential density in terms of the number of housing units per acre. The standard for density and intensity of each land use category is described below.

- Academic Facilities: Intensity standard at the level of 2 FAR, maximum, averaged over the approximately 13.3 acres of campus land designated as Academic Facilities category.
- Housing Facilities: Density standard at the level of 250 beds per acre, maximum, averaged over the approximately 9.5 acres of campus land designated as Housing Facilities (equating to a maximum density of 14 beds per acre over the approximately 170.5 acres of the entire campus).
- Support Facilities: Intensity standard at the level of 1 FAR, maximum, averaged over the approximately 9.3 acres of campus land designated as Support Facilities category.
- Open Space and Recreation Facilities: Intensity standard at the level of 0.1 FAR, maximum, averaged over the approximately 24.3 acres of campus land designated as Open Space and Recreation Facilities category.
- Open Plaza: Open Plaza areas, by definition, are areas of open space for public gathering and not sites for permanent facilities. Density/intensity standards do not apply.
- Water: Though primarily inundated land areas that serve stormwater management function, there is potential for facilities to be constructed that extend into the system of lakes, in keeping with the original conceptual master plan for the campus. Therefore, an intensity standard at the level of 0.2 FAR, maximum, is averaged over the approximately 23 acres of campus land designated as Water.
- Conservation: Intensity standard at the level of 0.05 FAR, maximum, averaged over the approximately 50 acres of campus land designated as Conservation (on the main campus).
- Parking: Intensity standard at the level of 2 FAR, maximum, averaged over the approximately 13 acres of campus land designated as Parking land use category. Parking areas include impervious surfaces as well as pervious surfaces for landscape and storm water management, and may include structured parking in the future with ancillary supporting uses incorporated into parking structure(s).

Future Facilities

Planned buildings shown on the Future Land Use Map are described below:

- The constructed Applied Research Center (ARC) building is located adjacent to the west of the IST building, with complementary architecture. Additional academic facilities will be sited in general accordance with the Future Land Use Map. Sites for future academic buildings are generally oriented on the west side of campus opposite existing and planned student housing, and easily accessible by foot or bicycle.
- Future permanent academic research building facility which will house specialized research spaces and provide computer/office spaces for faculty and students involved in the academic research. The space will be supplemented with campus support spaces providing student services for the research and academic activity. It is anticipated that this project will be funded through a combination of public and private funding.
- Future residential housing construction for approximately 250 beds in a mixture of apartment style and semi-suite style is planned for a site along the eastern bank of the Central Lake. This third residence hall will be in close proximity to the other two existing buildings and the combined beds of all three buildings will provide for approximately 1,000 beds to serve first-year undergraduate residents.
- Future permanent support facilities will be located on both ends of campus, adjacent to the IST building and on the south end of the Central Lakes. Based on enrollment growth projections and the projected level of

student demand for admittance to the University, building needs will include a Student Achievement Center (SAC). Located adjacent to the IST building, the SAC will house an honors college, an industry job center, an international liaison office, a faculty and industry mentorship program, tutoring programs, and programs that provide support for the psychological and social well- being of students.

Inventory and Future Needs Assessment of Properties and Facilities

The required land area to support continued campus development described in this 2021-2031 Master Plan update can be accommodated by the 170.54-acre main campus, which is under the jurisdiction of the State University System (SUS) and is owned in fee-simple by the Florida Polytechnic University Board of Trustees. Ground lease and operating arrangements have been entered into with private entities for the construction and operation of the on-campus residence halls.

Assessment of Properties to Serve Existing or Future Needs

Completion of Phase 1 campus development demonstrates the suitability of the campus property to serve existing and future needs. In particular, the completion of the campus-wide stormwater management system will greatly facilitate future campus development. Land across the campus is relatively level and suitable for buildings. Soils in certain areas of campus will require modification to support development, as was the case with Phase 1 construction. It is not anticipated that the physical condition of property planned for development will cause an impediment to future construction.

Existing and Projected Vacant, Open or Underdeveloped University-Controlled Lands
In addition to the main campus parcel, Florida Polytechnic controls two additional parcels to the southwest. They are 176.39 and 183.94 acres in size. The locations of these parcels are shown on Figure 1.1 Campus Property Location Map in Appendix 1. These two additional parcels are forested and have significant wetlands. There are no uses planned at the present time for these additional parcels. The anticipated long-term intended use for a portion of these parcels is recreational use.

Inventory and Assessment of Natural, Archeological or Historic Resources within the Study Area
A study developed by MSCW, Inc. provides a detailed account of any known historic or archaeological resources found at on the Florida Polytechnic Campus. This report is on file at Florida Polytechnic office of Facilities and Safety Services.

Natural resources are addressed in Chapter 6 of this Appendix.

Inventory and Assessment of Existing and Projected Land Uses, Goals Objectives, Policies and Zoning within the Study Area (as defined in the local governments' comprehensive plan to determine their impact on meeting the needs of the University)

The City of Lakeland Comprehensive Plan: 2010-2020 is compatible with the existing and planned development of the Florida Polytechnic campus. Undeveloped property adjacent to the campus on the south and west is included in the Williams Development of Regional Impact (DRI) Master Plan (to the north and east, the campus is permanently bordered by Interstate 4 and Polk Parkway, both limited access freeways). The approved Williams DRI Master Plan proposes a mix of uses, as shown on the following page: Business Park, High-Density Residential, Community Activity Center and Interchange Activity Center. The intent of the Comprehensive Plan and Williams DRI Master Plan is to create an activity center adjacent to the Florida Polytechnic campus, and the University is envisioned as a catalyst for this development.

Chapter 3: Transportation

This element assesses and makes transportation recommendations for integrating all modes of travel (bicycle, bus/transit, rideshare, and motor vehicle) both on campus and off-campus in the host community and affected communities.

Parking

Six surface parking lots are located on campus, inside Polytechnic Circle (see Figure 1.4 Vehicular Circulation & Parking Map in Appendix 1). Lots 1 and 2 are located on either side of the IST Building. Lot 3 is adjacent to the existing residence hall and accessible to the Wellness Center, the Campus Control Center, and the Admissions Center. Lots 4, 6 and 8 are

located on the west side of campus in close proximity to the campus entrance and the recreation complex. These lots were constructed as part of the Phase I campus development. A total of 1,050 parking spaces have been provided to date. The Campus Master Plan shows additional surface parking lots continuing along the inside of Polytechnic Circle to serve future housing and academic and support facilities. At build out a total of 1,500 to 1,800 parking spaces is planned to be constructed on campus in the parking areas shown in Figure 1.4 in Appendix 1, which may include a multi-use parking structure.
On-street parking is available along Research Way, abutting the southern portion of campus. No parking facilities owned or controlled by Florida Polytechnic are located off-campus.

Transit

University owned shuttle provides transportation for students as a means to accommodate access to retail establishments and activities not provided on campus.

- Shuttle: The Polytechnic shuttle operates with evening and weekend opportunities for students to access stores and activities off campus.
- Ride Share: A rideshare program is expected to be implemented during 2020 Academic Year, which is one of the most effective ways to alleviate the problems associated with campus traffic and provide accessibility to all members of the educational community. Beyond reducing the number of vehicles traveling to and around campus, university rideshare solutions also help improve pedestrian safety. Rideshare programs reinforce forward-thinking institutional values while helping commuters develop smarter and more positive personal transportation habits. Students also benefit through transportation cost savings, something that tends to be very important to young people shouldering the rising costs of higher education.
- Health Service Rides: The university provides transportation for students relating to health care visits by partnering with a ride-hailing company.

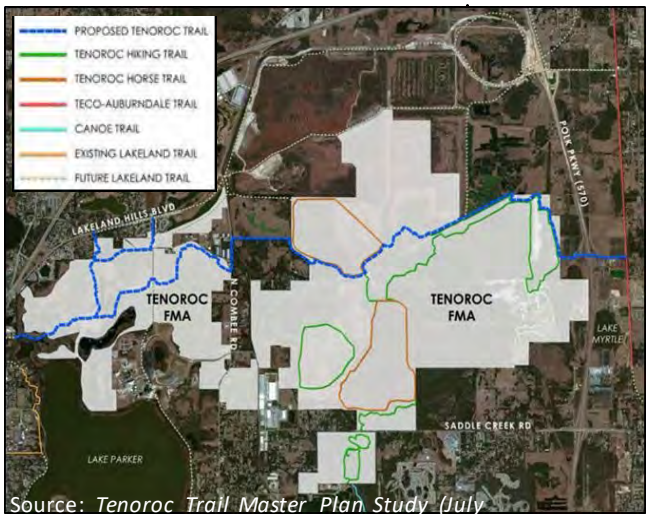
Bicycling and Walking

Figure 1.5: Pedestrian & Bicycle Circulation Map in Appendix 1 shows existing and future multi- use paths. Phase 1 construction included a comprehensive network of shared pedestrian and bicycle paths that will be expanded to the southern end of campus as development continues. The pathways are designed to provide efficient non-vehicular connectivity throughout the campus. Multi-use paths are also provided adjacent to Research Way (see pathway segment #31 below), and there is a bi-directional bike lane on Polytechnic Circle. The on-roadway bike lane connects to off-campus trail facilities including the Auburndale TECO Trail located approximately one mile east of the campus via Pace Road. The Auburndale TECO Trail extends from Auburndale to the south and connects with the Van Fleet National Recreational Trail north of Interstate 4.

Source: *City of Lakeland Comprehensive Plan: 2010-2020, Citywide Pathways Plan (amended*

The City of Lakeland's Citywide Pathways Plan (adopted 2009, amended 2012 and 2015) maps locations of existing and proposed pathways in the city, including sidewalks, bike lanes and trail corridors. Existing pathways include the 12-foot wide Bridgewater-Williams Trail (#12), which links the campus to both Polk Parkway and State Road 33 and is planned to extend further west to Walt Williams Road. The existing segment was constructed per the requirements of the amended 2007 Williams DRI Development Order. It was funded through the Federal American Reinvestment and Recovery Act (ARRA) and opened in 2012.

Several other pathways are proposed that will connect the Florida Polytechnic campus to the surrounding areas. These pathways are shown as dashed red lines on the map from the Citywide Pathways Plan (previous page) and are generally represented by path segments #21, #22, #34 and #35. These segments comprise what the Pathways Plan calls the Williams Trail, with a total estimated cost of $4,844,375. Potential funding sources include local, state and/or regional funds. The Campus Development Agreement states no off-campus improvements concerning pedestrian and non-vehicular circulation need to be assured by the University to maintain the City's adopted level of service standards.



Source: *Tenoroc Trail Master Plan Study (July*

The updated Pathways Plan also incorporates recommendations from the City of Lakeland's 2014 Tenoroc Trail Master Plan Study (path segments #33 and #36 on the Citywide Pathways Plan map). The proposed 14-mile trail is part of a regional multi-use trail network that will ultimately connect to the Florida Polytechnic campus. The proposed trail alignment is shown at right. The first phase of the trail, a two- mile segment between Lake Parker and SR 33, is included in the Polk County TPO FY 2016/17-FY 2020/21 Transportation Improvement Program (TIP). The estimated construction cost is $1,196,000.

As part of the Florida Department of Transportation's (FDOT) planned widening of State Road (SR) SR 33 from Old Combee Road to North of Tomkow Road (generally where #100 and #30 are shown on the Proposed Pathways concept map on the previous page), both bicycle and pedestrian accommodations are proposed. FDOT's SR 33 Project Development & Environment (PD&E) Study (August 2014) states that a 12-foot shared-use path is proposed along the east side of the road from the beginning of the project to University Boulevard, and a five-foot sidewalk is planned along the west side for the entire project limits and along the east side of the road from University Boulevard to north of Tomkow Road.

Safety

Pedestrian and vehicular conflicts are minimized by the campus design. As shown in Figure 1.4: Vehicular Circulation and Parking Map in Appendix 1, motorists can traverse the perimeter of campus but the interior spaces and buildings are accessible only by pedestrians and cyclists. Exceptions are the restricted/emergency access segments that allow emergency vehicles and service vehicles; the vehicles use the specially designed multi-use pathways.

As future development occurs on campus, the pathways/emergency access segments will continue to the southern end. Bicycle/pedestrian connectivity to future development offsite is in place with a pathway connection to Research Way and University Boulevard. Lighting was included in the construction of all pedestrian and bicycle facilities and will continue as future path segments are added.

Transportation Demand Management Strategies

Transportation Demand Management (TDM) strategies are policies and programs that are intended to reduce automobile travel demand on roadways by encouraging the use of alternative modes of transportation. A primary strategy used by the University is coordinated transportation and land use planning. The campus is walkable with convenient and safe pathways linking uses and transit stops, and on-campus housing reduces the number of commuting students.

TDM strategies that can be evaluated for potential use on campus to minimize potential off-site impacts include the following:

- Academic scheduling modifications, including scheduling more classes during non-peak hours; and
- Parking pricing strategies designed to make other modes of travel, such as transit and carpooling, more economical and to provide revenue for improved TDM services and facilities.

Transportation System Management Strategies

Transportation System Management (TSM) strategies are intended to improve traffic flow and safety through operational modifications to existing roadways. Examples of strategies that have been implemented on campus or are on-going include:

- Coordination of traffic access improvements at the entrances/exits of the campus and along context area roadways with the City of Lakeland and Polk County;
- Traffic signalization coordination, turn restrictions and access management; and
- Transit lane dedication.

Existing Roads

The campus has one general access road, Polytechnic Circle. Primary access roads provide direct access to the University and include Research Way, University Boulevard and Polk Parkway (SR 570). Roadway improvement projects constructed to facilitate access to the campus include the Polk Parkway/Pace Road I-4 interchange and the parkway's upgrade to a four-lane highway. The primary access roads and roadway improvement projects were constructed after the development of the original Campus Master Plan. Secondary roadways are those that intersect the primary roadways and distribute the University traffic to the surrounding area. Table 4 summarizes existing characteristics (excluding pavement conditions due to lack of available information) of primary and secondary access roads in the study area. The "Link" numbers shown correlate to the numbers in the Polk County Roadway Network Database

Table 4: Summary of Existing Roadway Characteristics

Roadway Characteristics	Primary Roadway			Secondary Roadways		
	Polk Pkwy (SR 570)	***University Boulevard***	***Research Way***	***I-4 (SR 400)***	***Memorial Blvd (US 92 SR 600)***	***SR 33 (Common- Wealth Ave.)***
Roadway Segment	Link 7401: US 98 to CR 546 (Old Dixie Parkway) Link 7402: CR 546 to I-4	Link 6909: SR 33 to Polk Parkway	Link 6910: University Boulevard to University Boulevard	*Link 5506: SR 33 to CR 557*	*Link 5306: SR 659 (Combee Road N) to SR 655 (Recker Highway)*	*Link 5602: I-4 at Socrum Loop Road to I-4*
No. of Lanes[1]	4 Freeway	4 Divided	4 Divided	6 Freeway	4 Divided	2 Bypass-Lane
Functional[2] Classification	Principal Arterial	Urban Collector	Urban Collector	PA	PA	MA
Access Control Classification[3]	1	N/A	N/A	1	5	4
2021 Traffic Volume (AADT)	12,900	2,000	2,000	99,180	40,500	14,900
Peak Hour/Peak Season Level of Service (LOS)	B	C	C	B	C	C

Source: CivilSurv Master Plan Support Services Report Dated June 3, 2021

KEY: 1 Limited access, no direct access to adjacent property

3 Controlled access facilities where direct access to abutting land is controlled to maximize the operation of the through traffic movement. The land adjacent to these roadways is generally not extensively developed and / or the probability of significant land use change exists. These roadways are distinguished by existing or planned restrictive medians

4 Controlled access facilities where direct access to abutting land is controlled to maximize the operation of the through traffic movement. The land adjacent to these roadways is generally not extensively developed and / or the probability of significant land use change exists. These roadways are distinguished by existing or planned non-restrictive median treatments.

5 Controlled access facilities where adjacent land has been extensively developed and where the probability of major land use change is not high. These roadways are distinguished by existing or planned restrictive medians

N/A – FDOT Access Control Classifications not applicable. Roadways are under the jurisdiction of the City of Lakeland and are subject to the Access Management Standards of the City of Lakeland Land Development Code. Connection locations / standards for University Boulevard and Research Way are also generally depicted in the Williams DRI Development Order.

Table 5 shows that all roadways are currently operating above the adopted roadway level of service (LOS). Over the next ten years Polk Parkway, University Boulevard and Research Way are projected to maintain the same LOS. Roadways that are projected to experience a change in level of service in ten years (2025/2026) are I-4, SR 33, and Memorial Boulevard. However, these road segments are not projected to fall below their adopted level of service.

Table 5: Level of Service Comparison

Roadway	Current LOS Peak Hour	Adopted LOS	Projected LOS in 5 Years	Projected LOS in 10 Years
Polk Pkwy (SR 570)	B	D	B	B
I-4 (SR 400)	C	D	D	D
Memorial Blvd (US 92/SR 600)	C	D	C	C
SR 33 (Commonwealth Ave)	C	D	C	C
University Boulevard	C	E	C	C
Research Way	C	E	C	C

Source: CivilSurv Master Plan Support Services Report Dated June 3, 2021

No additional transportation facility improvements are needed to maintain the adopted level of service standards on State and Strategic Intermodal System (SIS) roadways or on University Boulevard and Research Way. Roadway improvements to mitigate decreasing levels of service are planned for SR 33 (see also the New Road Projects section). According to the Florida Department of Transportation's SR 33 Project Development and Environment Study Project Traffic Report (November 2013), the road is projected to operate at LOS "E" or "F" in 2036 without improvements. The project, which includes reconstruction of the SR 33 / I-4 interchange, will allow the road to operate at an acceptable LOS "D" or better.

Roadway Capacity

Table 6 provides traffic generation figures for both current and projected enrollment based on the Institute of Traffic Engineers' (ITE) trip generation rates. Headcounts are used in trip generation calculations rather than FTE's. FTE's are more suitable for estimating building square footages while headcounts more accurately reflect trips on the road. A transfer of trips was made to USF Board of Trustees as part of the transfer of title from Williams Acquisition Holding Company, Inc. These are referred to as "Credited Trips" in Table 6. Credited trips are trips that had been accounted for in the identification of transportation improvements to be provided by Williams under the terms of their Development Order from the City of Lakeland. Because the impacts of credited trips have already been accounted for, they are not considered "new" trips to the surrounding roadway network.

Table 6: Florida Polytechnic Trip Generation

Trip Generation		Year		
Headcounts-Students		**2020-2021*** *1,422*		**2030-2031**** *3,000*
Daily Trip Generation				
Daily Trip Generation Rate	x	1.56	x	1.56
Total Daily Trips Generated		**2,218**		**4,680**
Credited Daily Trips	-	2,818	-	4,861
Total Daily Impact Trips		**-600**		**-181**
Peak Hour Trip Generation				
Peak Hour Trip Generation Rate	x	0.15	x	0.15
Total Peak Hour Trips Generated		**213**		**450**
Credited Peak Hour Rates	-	364	-	558
Total Peak Hour Trips		**-70**		**30**

*Phase 1
** Phase 2

Source: CivilSurv Master Plan Support Services Report Dated June 3, 2021

Based on the current and projected enrollment figures and the credited trips, there is a negative number of total trips for both the present year. As a result, the projected growth of Florida Polytechnic through the year 2030-2031 will not create the need for any additional roadway capacity improvement projects.

New Road Projects

The Campus Development Agreement (CDA) with the City of Lakeland identified road and vehicular circulation improvements that were needed due to insufficient capacity on certain segments of SR 33 to accommodate the impacts

of the original projections for campus development, which far exceed the revised enrollment projections. The University paid $5,029,906 to Lakeland to mitigate SR 33 deficiencies, as follows:

- $2,498,751 – I-4 @ Socrum Loop Road to CR 659
- $1,825,046 – CR 659 to University Boulevard
- $706,110 – University Boulevard to I-4

In addition, the CDA stipulated that Florida Polytechnic pay $35,000 for an alignment study for SR 33 and $32,000 for two mast arm traffic signals at the I-4 ramps.

The City's expenditure of the committed funds has been used to widen State Road 33 from two to four lanes between Interstate 4 EB Ramps/Lakeland Harbor to just east of Old Combee Road/Deeson Pointe Boulevard. The project was let in the fall of 2011 and completed in the first half of 2013. The project included the addition of sidewalks (extending south to Jenkins Nissan), bicycle lanes, transit stop improvements (including new bus bay at Lakeland Harbor), street lighting, and turn lane improvements on the Old Combee Road approaches to the SR 33 intersection. The traffic signals were also re-built and installed on new mast arms.

In 2014, the Florida Department of Transportation prepared the State Road 33 Project Development and Environment (PD&E) Study to evaluate the proposed widening of SR 33 from a two-lane undivided roadway to a four-lane divided highway between Old Combee Road to north of Tomkow Road. The project also proposes the reconstruction of the SR 33 interchange with I-4, which provides access to the Florida Polytechnic campus. The interchange improvements include replacing the functionally obsolete bridges over SR 33 and reconstructing portions of I-4 approaching the interchange to provide turn lanes and traffic signals. The interchange improvements will accommodate projected traffic associated with development planned in the vicinity.

Following adoption of the SR 33 PD&E Study in 2014, FDOT proceeded to the project design phase. The segment of SR 33 between Old Combee Road and University Boulevard is currently under design by FDOT; however, construction funding is not programmed at this time. FDOT is also currently designing the reconstruction of the Exit 38 interchange (including SR 33 between University Boulevard and Tomkow Road) with right-of-way funding programmed in FY 2018/2019 of its Five-Year Work Program. Construction is estimated to occur between 2021 and 2025. To facilitate the interchange reconstruction phase of the SR 33 project, the City of Lakeland passed a resolution (No. 5254, signed December 7, 2015) requesting FDOT funding. The total estimated cost for the SR33 widening and interchange improvement projects is $79,730,000, using state and federal funding sources.

Chapter 4: Housing

This element ensures the provision of public and private housing facilities on the University campus and within the host and/or affected communities that is adequate to meet the needs of the projected University enrollment.

Current Housing

On-Campus

On-campus housing is intended for undergraduate students, with no specific housing designated for graduate or married students. On-campus student housing is owned and operated by a third party under ground lease and operating arrangements with the University. On-campus housing is located on the north end of campus.

Residence Hall 1 was designed for 219 beds in apartment style with three- and four-bedroom suites.

Residence Hall 2 accommodates a total of 539 beds, with 490 in semi-suite style (two double bedrooms) and 49 beds in apartment style. Both buildings are designed for compliance with the federal Americans with Disabilities Act (ADA).

Rental rates for the 2020/2021 range from $749.78/month to $1,009.11/month, with rental rates dependent on the floor plan chosen by the student. These monthly rental rates are higher than the FY 2019 fair market rents (FMRs) for the Lakeland-Winter Haven Metropolitan Statistical Area (MSA) based on data maintained by the U.S. Department of Housing and Urban Development: $925 for two bedrooms and $1,532 for four bedrooms but allow for students to lease 9 months rather than the 12 months required with most off-campus leases.

There are no other non-university-controlled facilities on the campus (e.g. fraternities, sororities, etc.), nor are there any historically-significant housing facilities on campus.

Off-Campus

Off-campus housing can accommodate undergraduate, graduate and married/family students. Current options include non-university controlled rental apartments in the surrounding Lakeland area, where approximately 200 undergraduate students live in four apartment complexes (Arbor Glen, The Landings, Victoria Manor, and The Preserve) southwest of campus on SR 33 in Lakeland. Each of the apartment complexes offers 1-, 2-, and 3-bedroom options.

Future Housing

The projected enrollment for 2025 is 2,319 students (see Table 1), who will be housed in both on-campus and off-campus housing. Of this number, 1,000 students are projected to live in on- campus housing (see Table 7). The majority will be underclassmen. Off-campus options include non-university-controlled options in Lakeland, with various options available to accommodate upperclassmen and graduate and married/family students.

The ten-year residential housing program for the Florida Polytechnic Campus Master Plan provides for approximately 1,000 on-campus beds to accommodate projected needs. Approximately 750 of the beds will be provided in Residence Hall 1 and Residence Hall 2. The remaining 250 beds will be provided in a third building that is planned along the eastern bank of the Central Lakes. Residence Hall 3 will be a four-story, ADA compliant facility constructed as a mixture of apartment style and semi-suite style along the eastern bank of the Central Lakes.

Table 7: On-Campus Housing Projections

Year	Year in College						Total Beds	New Beds
	Freshman	Sophomore	Junior	Senior	Graduate	Doctorate		
2021	343	176	88	42	5	-	655	-100
2022	362	186	93	45	5	-	691	-64
2023	410	211	105	51	6	-	782	27
2024	445	229	114	55	7	-	850	95
2025	483	248	124	60	7	-	922	167
2026	522	268	133	65	8	-	995	240
2027	543	279	139	67	8	-	1036	281
2028	576	296	148	71	9	-	1100	345
2029	604	310	155	75	9	-	1152	397
2030	676	348	173	84	10	-	1291	536
2031	724	372	185	90	11	-	1382	627

Source: Florida Polytechnic University Office of Institutional Research (OIR), December 2021

Future residence halls may also be located on the east side of the Central Lakes in close proximity to Residence Halls 1, 2 and 3. Any future facilities are anticipated to be university-controlled and will have pedestrian linkages to academic buildings across the Central Lakes, campus support facilities to the north and south, adjacent open space and recreational facilities, and parking adjacent to Polytechnic Circle.

Chapter 5: General Infrastructure

This element addresses critical campus infrastructure systems including stormwater management, potable water, sanitary sewer and solid waste management. Analysis concerns the capacity required to meet the future needs of the University.

Stormwater Management

Inventory and Assessment of Stormwater Management Facilities

The core stormwater management infrastructure to serve the Florida Polytechnic campus has been installed in conjunction with Phase 1 campus development. It is exclusive to the University and is not shared with the City of Lakeland. The majority of the campus-wide storm drainage system needed to accommodate future build-out in accordance with this master plan update has been constructed, as illustrated in Figure 1.9 (in Appendix 1).

Stormwater attenuation and water quality treatment is provided within the Central Lakes, which were constructed along the axis of the campus, extending south from the IST building. These seven stormwater retention ponds are structurally separated, but connected for water level management. The system was designed to function in accordance with campus topographic conditions and broader drainage dynamics.

The campus property is located within the Peace River Basin of the Southwest Florida Water Management District (SWFWMD). The campus topography falls from southwest to northwest, and the Central Lakes have varying surface levels consistent with topography. Stormwater leaving the campus will ultimately discharge into the Tenoroc Fish Management Area (FMA) in the headwaters of the Peace River. However, the majority of campus stormwater is retained on campus property.

Ability to Meet Projected Needs of the University

The Florida Polytechnic stormwater management system is designed to accept stormwater drainage from future construction with excess capacity in the stormwater retention structures and preserved utility corridors.

The system has been designed and constructed to meet the drainage criteria of SWFWMD and the City of Lakeland's adopted level of service (LOS). The City's LOS is retention and attenuation that does not exceed the pre-development flow quality and rate for the 25-year/24-hour storm event. In addition, water quality treatment must be provided for, at a minimum, the first one inch of storm runoff for the entire site.

The City of Lakeland previously confirmed through the Campus Development Agreement (CDA) that there is adequate capacity to meet future needs of the university and that future campus development will not degrade the operating conditions for off-campus stormwater management facilities below Lakeland's adopted LOS. The CDA further states that no off-campus stormwater management improvements are needed to maintain the City's adopted level of service.

Current Regulations and Programs

There are various federal, state, regional and local regulations that govern land use and development of drainage features on the campus. Rules set forth by the SWFWMD address stormwater quantity and quality. Prior to construction of the existing stormwater management system, Florida Polytechnic secured a National Pollution Discharge Elimination System (NPEDS) permit from the Florida Department of Environmental Protection (FDEP). A permit was also obtained from the U.S. Army Corps of Engineers (USACOE) to permit dredge and fill activities on the campus prior to construction. USACOE Permit SAJ-2008-01424 was issued on May 11, 2010. Required permits were also issued by SWFWMD prior to site development, including Permit no. 49034389.000 and Permit no. 49034389.001 (both issued on April 13, 2010).

Potable Water

Inventory and Assessment of Potable Water Facilities

The City of Lakeland is the potable water provider to Florida Polytechnic University, both for domestic use and fire protection. The University has established a potable water distribution system that connects to a City potable water line point of terminus (see Figure 1.10 in Appendix 1). The system serves current campus activities and its design provides for efficient expansion to serve the entire campus. Underground hydrology is not used as a source for potable water. There are currently no known impacts of existing facilities upon adjacent natural resources.

Based on initial available data, campus-wide potable water use is estimated to be 26,000 gallons per day (GPD). This figure is significantly less than the 2007 CDA's approved build-out demand of 250,000 GPD, as estimated in the Campus Master Plan in effect at the time.

Future expansion of the potable water distribution system to reach the south end of campus will use established utility corridors, as shown on Figure 1.10. This will result in a complete campus water loop. Additionally, the University is

coordinating with the City of Auburndale to establish connection to the City's water system. The proposed interconnection is a safety improvement that will provide backup in the case of a supply limitation or interruption from the primary City of Lakeland source.

Ability to Meet Project Needs of the University

Water system demand projections for the planning period are presented in Table 8. The Full Time Equivalent Student, Staff and Faculty population is based on current estimates and listed as FTE. The students that currently reside on campus and the estimated future resident population are indicated as Residents.

For planning purposes, water system demands are calculated as GPD demands for FTEs and Residents. The demand factor for each Resident is 75 GPD and the demand for each FTE is 25 GPD. The calculated peak flow rates in gallons per minute (GPM) for Residents and FTEs are based on a peak factor of 4. Estimates and projections have been rounded.

The fire flow requirement for the campus is 2,400 GPM for four hours at a minimum pressure of 40 psi. The 2,400 GPM fire flow is based on a scenario where two fire hydrants are simultaneously involved to engage a fire, if each fire truck would require flow of 1,200 GPM for fire suppression.

Table 8 presents the projected potable water demand for the campus at the planning horizon year of 2031.

Table 8: Florida Polytechnic University Projected Potable Water Demand Planning Horizon 2030-2031

		Demand (GPD)	Peak Flow (GPM)
Residents	1382	103,679	288
FTE	2,736	68,400	190
Fire Flow			2,400
Totals		**172,079**	**2,878**

Source: CivilSurv Master Plan Support Services Report Dated June 3, 2021

The City of Lakeland has confirmed through the CDA that there is adequate capacity to meet the projected demand and flow rate over the next ten years. The CDA also states that campus development will not degrade operating conditions for off-campus potable water facilities below the City's adopted level of service, which is an average daily flow of 150 gallons per capita per day.

Current Regulations and Programs

Federal regulations include the Federal Safe Drinking Water Act (Public Law 93-253) that establishes operating standards and quality controls for the protection of public water supplies. As directed by this act, the Environmental Protection Agency (EPA) established minimum drinking water standards. Every public water supply system must conform to these standards.

State regulations include the Florida Safe Drinking Water Act. This act was adopted in accordance with federal guidelines. It designates the Florida Department of Environmental Protection (FDEP) as the state agency responsible for the regulation of drinking water. FDEP has established rules that classify and regulate public water systems in Florida, including mandatory water treatment criteria. The City of Lakeland has entered an inter-local agreement for redundancy, with a new potable source construction in 2021.

Opportunities for use of Reclaimed Water

In accordance with the Campus Development Agreement, the water distribution system is designed to segregate waters intended for potable use and waters intended for irrigation purposes. The Central Lakes, in addition to be used for stormwater management, are a sustainable source for irrigation. Water from the Central Lakes is pumped for irrigation in several areas on the campus. Florida Polytechnic has entered into an agreement with the City of Auburndale for the provision of reclaimed water, which can supplement the Central Lakes and provide additional capacity for landscape irrigation. Additional opportunities for collection and use of reclaimed water may be designed into future building projects on campus.

Sanitary Sewer

Inventory and Assessment of Sanitary Sewer Facilities

Phase one of campus development established a connection to the City of Lakeland municipal wastewater collection and treatment system (via a city force main to the northwest of campus). The on-site campus system consists of a gravity collection system that services all buildings and is operated and maintained by the University. The design allows efficient expansion to serve the entire campus (see Figure 1.11 in Appendix 1). There are currently no known impacts of existing facilities upon adjacent natural resources.

Based on initial available data, campus-wide wastewater flow is estimated to be 22,250 GPD. According to the City of Lakeland Comprehensive Plan: 2010-2020 (adopted 2010, updated 2015), the City's wastewater treatment plants have capacity to meet service area demand.

Ability to Meet Project Needs of the University

Wastewater system demand projections for the planning period are presented below. The Full Time Equivalent Student, Staff and Faculty population is based on current estimates and listed as FTE. The students that currently reside on campus and the estimated future resident population are indicated as Residents.

For planning purposes, wastewater system demands are calculated as GPD demands for FTEs and Residents. The wastewater flow generation is based on the estimate that 85 percent of potable water demand will be returned to the sanitary sewer system. Based on this approach, the wastewater flow for each Resident is estimated to be 42.5 GPD and estimate for each FTE is 14.5 GPD. Peak flows in for the wastewater system for Residents and FTEs were calculated based on a peak factor of 3.5. The results have been rounded.

Table 9 presents the projected potable water demand for the campus at the planning horizon year of 2031.

Table 9: Florida Polytechnic University Projected Wastewater Treatment Demand Planning Horizon 2030-2031

		Demand (GPD)	Peak Flow (GPM)
Residents	1382	88,127	214
FTE	2,736	58,140	141
Totals		**146,267**	**355**

Source: CivilSurv Master Plan Support Services Report Dated June 3, 2021

For the planning horizon, no problems or needs are projected that would impact the capacity of the sanitary sewer system to manage projected demand. Utility corridors have been established on campus for extension of the wastewater collection system, as illustrated in Figure 1.11 (below and Appendix 1). Florida Polytechnic has entered into an agreement with the City of Auburndale to establish a connection to the City's reclaimed water system. The City of Lakeland previously confirmed through the CDA that there is adequate capacity to meet the projected demand and flow rate for the planning horizon.

Current Regulations and Programs

Federal regulations include the Federal Pollution Control Act (Public Law 92-500) which is the controlling national legislation relating to the provision of sanitary sewer service. The goal of this act is the restoration and/or maintenance of the chemical, physical, and biological integrity of the nation's waters. The act established the national policy to implement area-wide wastewater treatment and management programs to ensure adequate control of pollutant sources.

State regulations establish the FDEP as the responsible state agency to manage compliance with federal and state regulations applicable to Florida.

Solid Waste

Inventory and Assessment of Solid Waste and Recycling Facilities

Florida Polytechnic contracts with Advanced Disposal for solid waste collection facilities and monthly pick-up for disposal at a local landfill. The contract agreement is in a form approved by the State of Florida and is effective through June 30, 2025. Under the agreement, Advanced Disposal provides four wheeled trash containers (4-cubic yard size) and one closed compactor containers (40-cubic yard size) as well as weekly pick-up for the compactor. The agreement affords Florida Polytechnic the flexibility to increase pick-up frequency and/or add solid waste facilities as required to meet campus needs.

The University provides waste receptacles across the campus and collects waste from receptacles and wheeled trash containers to fill the compactors. Single stream recycling is incorporated into the disposal process with the provision of campus waste receptacles that include separate containers for recycling in campus buildings and on campus grounds.

The level of service for solid waste generated by Florida Polytechnic is based on the City of Lakeland concurrency levels of 5.4 pounds per capita per day as documented in the City of Lakeland Comprehensive Plan (2011). Based on projected Florida Polytechnic enrollment of 2,880 (headcount) at the planning horizon (2030-2031), it is estimated that the campus will generate approximately 15,120 pounds of solid waste per day.

Polk County provides solid waste disposal for the entire county at the landfill facility that is the closest in proximity to the Florida Polytechnic campus. This facility, the North Central Landfill, is owned and operated by Polk County Environmental Services Division. This established facility operates in compliance with applicable environmental standards and has capacity to meet projected community-wide demand through 2050.

Ability to Meet Project Needs of the University

The CDA previously established that there is sufficient solid waste disposal capacity to serve campus needs without requirement for off-campus solid waste improvements. As previously stated, the North Central Landfill has capacity to meet communitywide demand well beyond the planning horizon of this Campus Master Plan.

A potential future limitation is the fact that the current agreement with Advanced Disposal for solid waste collection and disposal will end on June 30, 2025. A new or extended solid waste management agreement will be required for academic years 2025-2026 through 2030-2031. Any solid waste related problems or opportunities will be addressed through the contractual partnership of Florida Polytechnic and other solid waste management provider(s).

Through collaboration with Advanced Disposal or other solid waste management provider(s), Florida Polytechnic is receiving the benefit of their recycling capabilities. With future campus development and additional installation of waste receptacles, additional recycling bins will also be provided.

Current Regulations and Programs

There are a variety of regulations and programs that govern processes and facilities for disposal of solid waste. For on-campus solid waste facilities, Florida Polytechnic and contractor Advanced Disposal are complying with all applicable City of Lakeland standards and with the provisions of the State of Florida approved contract for services.

The Federal Resource Conservation and Recovery Act (RCRA) addresses issues associated with hazardous waste management. Regulations of RCRA as well as those of the Florida Department of Transportation, the Hazardous Material Transportation Act, and the EPA Clean Water Act govern disposal carriers.

The State of Florida maintains Hazardous Waste Guidelines that work in conjunction with EPA regulations. FDEP is the Florida regulatory agency that administers state requirements that govern solid waste facilities, including their design, operation, closure and long-term management. FDEP mandates that recyclable waste be removed from the waste stream prior to deposit in a landfill.

At the present time, Florida Polytechnic has determined minimal hazardous wastes will be generated through activities on campus. Through the CDA, the University has agreed to meet all state and federal regulations in the collection and transportation of hazardous wastes and materials, and has contracted for the disposal with Triumvirate Environmental, Inc. - Orlando.

Chapter 6: Conservation

The purpose of this element is to ensure the conservation, protection and wise use of all natural ecosystems and natural resources on the University campus and in the planning study area.

Natural Resources Inventory and Protection Measures

Wetlands

Jurisdictional wetlands (17.57 acres) were delineated on the campus prior to Phase 1 construction. The acreage was permitted for impact by the Army Corps of Engineers (ACOE) in 2008 and was filled upon authorization by the SFWMD Mass Grading Permit. Mitigation for impacts to the wetlands was provided on campus and partially offsite in Parcel C (see Figure 1.1 Campus Property Location Map, Vicinity Aerial Photography, in Appendix 1). In addition, a total of 1.53 acres of surface waters on campus were permitted to be filled by the ACOE and SWFWMD. Required mitigation resulting from future campus construction (as depicted on Figure 1.3 Future Land Use Map in Appendix 1) will continue to adhere to the terms of the Campus Development Agreement. In areas labeled as "Conservation" in Figure 1.3, wetlands will remain in conservation use while non-wetland areas may remain in conservation use or may be reserved for future facilities development.

Vegetative Communities

The vegetative and land use cover types on campus were classified using the Florida Department of Transportation Florida Land Use, Cover and Forms Classification System (FLUCFCS) prior to Phase 1 construction and as presented in the ACOE Individual Permit Application. Areas shown as Conservation (see also Figure 1.12 Conservation, Recreation & Open Space Map in Appendix 1) are primarily comprised of the following:

FLUCFCS 1651 – Reclaimed Land, Pasture (northwest and southwest corners of campus) These areas contain predominately slash pine (Pinus elliottii), longleaf pine (Pinus palustris), Brazilian pepper (Schinus terebinthifolius) bahia grass (Paspallum notatum), broomgrass (Andropogon virginicus) and smut grass (Sporobolus indicus).

FLUCFCS 211 – Improved Pasture (south end of campus) Canopy and subcanopy vegetation consists of mainly scattered clumps of live oak (Quercus virginiana), sand live oak (Quercus geminata), and longleaf pine. Groundcover mainly consists of bahia grass with lesser occurrences of saw palmetto (Serenoa repens), tropical soda apple (Solanum viarum), American beautyberry (Callicarpa americana), grapevine (Vitis rotundifolia), pokeweed (Phytolacca americana), 4 Brazilian pepper, live oak and sand live oak saplings, paw paw (Asimina triloba), prickly pear cactus (Opuntia stricta), and blackberry (Rubus betulifolius).

FLUCFCS 411 – Pine Flatwoods (northeast corner, at I-4 and SR 570)The canopy is dominated by slash pine, longleaf pine, water oak (Quercus nigra), live oak, and laurel oak (Quercus laurifolia). Subcanopy species include slash pine, longleaf pine, water oak, live oak, laurel oak, gallberry (Ilex glabra), fetterbush (Lyonia lucida), wax myrtle (Myrica cerifera), and winged sumac (Rhus copallinum). Groundcover is dominated by saw palmetto with lesser associations of wax myrtle, gallberry, water oak, longleaf pine, slash pine, grapevine and green briar (Smilax sp.).

As the campus develops, areas shown as Conservation will remain in their natural state with the potential addition of passive recreation uses such as walking trails.

Floodplains

As part of the land donation agreement between Williams Co. and Florida Polytechnic, an amendment to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) removed the campus from the Special Flood Hazard Area (SFHA). A copy of the FEMA approval is included with the Campus Development Agreement.

The remaining parcels controlled by Florida Polytechnic are designated as Zone A and Zone X of the SFHA. While Parcel C will remain as wetlands / conservation use, Parcel B may potentially be developed for recreation uses (see Figure 1.1 in Appendix 1). Future development of Parcel B within any SFHA areas will need to take into account special design

considerations, including floor levels constructed above the 100-year flood elevation. To determine the 100-year Base Flood Elevation (BFE) in Zone A, where the 100-year flood elevation is undetermined, a hydraulic analysis would need to be carried out and approval obtained from FEMA for a Flood Insurance Rate Map (FIRM) amendment.

Plant and Animal Species of Concern

Two species of protected wildlife were observed in the project study area during an April/May 2003 site inspection: gopher tortoise and the Sherman's fox squirrel. Gopher tortoises are a threatened wildlife species and are protected by Florida state law, Chapter 68A-27, Florida Administrative Code. Gopher tortoises must be relocated before any land clearing or development takes place. Permits issued by the Florida Fish and Wildlife Conservation Commission (FWC) are required before the tortoises can be moved. The Sherman's fox squirrel is listed in Florida as a Species of Special Concern. State law prohibits the taking, possession, transporting or sale of any species of special concern except as authorized by permit by the FWC.

Two species of protected plants have been observed in the study area: Royal fern and Cinnamon fern. However, there are no restrictions to the landowner regarding the presence of any protected plant species unless sale of the plants is involved.

A full list of wildlife species observed in 2003 is on file with the office of Facilities and Safety Services.

Aquifers

Three aquifers (underground layers of water-bearing rock) are in the vicinity of the project study area: the surficial aquifer system, the intermediate aquifer system, and the Floridian aquifer system. The aquifers are separated by confining layers which restrict the vertical movement of water between the aquifers. No subsurface areas surrounding a well or well field and supplying a public water system are found in the study area.

Pollution Prevention

To prevent pollution of natural resources, techniques are utilized on campus, including: limiting fertilizer use, maintaining/planting native vegetation, applying stormwater best management practices (BMPs), etc. Air pollution can be limited by promoting alternative modes of transportation on campus (i.e., public transit, bicycles, etc.) and evaluating the potential for alternative fuel vehicles on campus, including any campus shuttle systems. In campus buildings, pollution control techniques include installing filtering devices on fume hoods and minimizing volatile and hazardous materials storage and use.

Energy Conservation

To reduce energy consumption, existing buildings have energy conservation fixtures, high- efficiency air conditioning and lighting systems, and low water volume plumbing fixtures. These and other appropriate energy management techniques will continue to be used in all new buildings constructed on campus. Building and site design will also continue to incorporate arcades, landscaping, court yards and other shade and ventilation design techniques. The Santiago Calatrava-designed IST Building has a pergola of lightweight aluminum trellis wrapping its exterior that helps reduce the solar load on the building by 30 percent.

Solar energy can be evaluated for potential application as alternative sources of power for irrigation systems, lighting, shuttles, phones, and similar systems. The IST Building's operable roof moves in relationship to the sun and was designed to be fitted with solar panels.

Chapter 7: Recreation and Open Spaces

The purpose of this element ensures the provision of adequate and accessible recreation facilities and open space to meet future needs of the Florida Polytechnic University.

Existing Inventory

On-Campus

As part of Phase 1, the Student Development Center building was constructed on the east side of campus in close proximity to existing and planned residential housing. The facility provides an indoor fitness center. Residence Hall 1 also provides an indoor fitness center. The multi-purpose athletic field, basketball courts and volleyball court provide outdoor recreation options. Informal, outdoor recreation space is also available on existing open lawns on campus. The Oak Grove, adjacent

to the Student Development Center, provides additional outdoor recreation space. An extensive system of multi-use paths is located throughout campus, serving to connect buildings and areas for pedestrians and cyclists while also providing an outdoor recreation opportunity.

Off-Campus

The **City of Auburndale** provides a variety of parks and recreation facilities, including the 250- acre Lake Myrtle Sports Complex, which is accessible from campus by both road (SR570) and trail (Teco Auburndale) systems. The sports complex includes a soccer stadium, multi- purpose/soccer fields, a baseball stadium, and youth and collegiate baseball fields. A complete listing of Auburndale parks and recreations facilities is provided on the City's website: www.auburndalefl.com.

The **City of Lakeland** parks and recreation system is made up of a total of 70 parks and facilities. The system includes scenic, neighborhood, community and urban parks, as well as variety of outdoor fields, courts, jogging trails, larger sports complexes and athletic programs. A complete list of facilities and programs is provided on the City's website: www.lakelandgov.net.

Polk City's recreation facilities include small parks and boat launches on the north side of I-4. In addition, a portion of the 29-mile Van Fleet Trail is located in Polk City. The General James A. Van Fleet State Trail is officially designated as part of Florida's statewide system of greenways and trails. The City's listing of parks and recreation facilities is located here: www.mypolkcity.org.

Polk County offers over 60 facilities for parks and recreation activities including sports facilities, boat launches, camping, picnicking, and walking paths and trails. A complete list of facilities and programs is provided on the County's website: www.polk-county.net.

The Southwest Florida Water Management District (SWFWMD) manages a number of regional recreation facilities offering boating, hiking, and nature study. SWFWMD sites within Polk County include: Circle B Bar Ranch (1,267 Acres) and Lake Marion Creek Horseshoe Scrub Tract (300 Acres).

The **Tenoroc Fish Management Area**, managed by the Florida Fish and Wildlife Conservation Commission (FWC), offers fishing, wildlife viewing, hiking, bicycling, and horseback riding opportunities on over 8,000 acres of land in Polk County.

Projected Recreation Needs

The National Intramural Recreational Sports Association (NIRSA) Space Planning Guidelines for Campus Recreational Sport Facilities identifies a level of service (LOS) recommended for university recreation facilities. By applying this planning guideline to Florida Polytechnic enrollment projections, the University can identify potential recreation needs. In addition to LOS standards, other considerations include available land area and input from students.

Table 10 presents the recommended NIRSA standard for a variety of recreation facilities to arrive at a range of potential "needs" based on current and projected student enrollment.

Table 10: Projected 10-Year Recreation Facility Needs

Recreation Facility	NIRSA Level of Service (number of facilities per 1,000 students)	Existing Facilities	2030-2031 Projected Facilities based on FTE	2030-2031 Projected Facilities based on Head Count
Multi-Purpose Fields	1.14	1	3	3
Softball Fields	0.53	0	1	2
Tennis Courts	1.09	0	3	3
Outdoor Basketball Courts	0.48	2	1	1
Outdoor Volleyball Courts	0.42	1	1	1

Source: NIRSA Space Planning Guidelines for Campus Recreational Sports Facilities, 2009 Edition

The existing basketball and volleyball courts generally meet future needs based on the NIRSA standards shown in Table 10. To accommodate growing enrollment over the next 10 years, this Campus Master Plan shows dedicated areas throughout campus that are compatible for open space and recreation (see Figure 1.12 in Appendix 1). Recreation facilities completed construction in the year 2017, include a recreation building, pavilion and pool near the existing multi-purpose athletic field. Florida Polytechnic University-controlled Parcel B (see Figure 1.1 in Appendix 1) has also been identified for future recreational use.

Projected needs over the next ten years in the City of Lakeland include new neighborhood and community parks, trails and recreation facilities. These needs are identified in Lakeland's Parks and Recreation Facilities Master Plan (2006), which recommends the construction of additional neighborhood and community parks, trails and recreation facilities through the year 2030. The city's 10-Year Capital Improvement Plan element of the Fiscal Year (FY) 2015 Budget allocates funds for several recreation projects, including new parks and enhancements to existing facilities.

The Lakeland projects are intended to maintain the city's adopted minimum level of service standards for the provision of recreation sites and facilities, which include: a minimum 5.98 acres per 1,000 residents, 50 percent of which shall be in active park space (e.g., scenic, neighborhood, or community); one recreation center per 25,000 residents, one community park per 25,000 residents; and one neighborhood park per 6,500 residents. The Campus Development Agreement with the City of Lakeland states there is sufficient open space and recreation facility capacity to accommodate the impacts of proposed campus development and that that no off-campus open space and recreation improvements are needed to maintain the City's adopted LOS standards.

Chapter 8: Intergovernmental Coordination

This element identifies and resolves goals, objectives, and policies for development proposed in campus master plans that may be incompatible with adjacent local governments, and regional and state agency plans.

Host and Affected Local Governments

City of Lakeland

A Campus Development Agreement (CDA) is in place that addresses the following public facilities and services: transportation, wastewater, solid waste, stormwater management, potable water, and parks and recreation. The CDA identifies the level-of-service standards established by Lakeland as well as impacts of campus development on the adopted levels of service and any improvements necessary to eliminate deficiencies. The CDA also identifies the Florida Board of Governors' "fair share" cost associated with remediation of impacts. A total amount of $5,096,906 was identified in the CDA as Florida Polytechnic's fair share for the costs of transportation improvements identified in the CDA. This amount was paid to the City of Lakeland.

A reciprocal review of development plans is necessary in order to maintain land use compatibility between the university and the host community. This occurs when the Campus Master Plan is updated or substantively amended, and when proposed development plans within the context area move forward (i.e. the Williams DRI, which is adjacent to the Florida Polytechnic campus). Annual progress reports of campus development are provided to the City, and regular coordination will continue to be maintained.

The City of Lakeland is the provider of potable water and wastewater collection and treatment for the campus. The City's current committed capacity is 250,000 GPD of potable water as specified in the CDA. Any demand above this amount will need to be evaluated and considered by the City. No wastewater demand was listed in the CDA.

Florida Department of Environmental Protection (FDEP) permitting for both water and wastewater is required for expansions to the water, fire and sanitary systems on the campus. The City, as providers of water and wastewater treatment services, is required to sign FDEP applications. As part of the agreement to sign the applications, a plan review is required, as well as inspection/testing monitoring of certain aspects of water and wastewater utility construction.

Florida Polytechnic will work with the City of Lakeland Parks and Recreation department and other stakeholder entities relative to the future provision of recreational facilities. The University may pursue inter-local agreements, memoranda of understanding or other agreements to ensure that parks and recreation facilities will be available to meet the future needs of its students.

Florida Polytechnic will continue to coordinate with the City of Lakeland and applicable local agencies as the campus is developed. The existing mechanisms that are in place provide a framework for fostering participatory planning, coordination and cooperation.

Polk County

The Polk Transportation Planning Organization (TPO) is the lead transportation planning agency for Polk County. It develops transportation plans and programs for Polk County as mandated by federal and state legislation, which are designed to meet the community's short and long term travel needs. The TPO also provides a forum for cooperative decision-making regarding countywide transportation issues.

Florida Polytechnic coordinates with the Polk County Emergency (EMO), the American Red Cross and the host community in preparing the Emergency Operations Plan for the campus. The campus Wellness Facility has been identified as a potential staging area for emergency operations.

Regional and State Entities

Florida Department of Transportation (FDOT) – District 1: The University is located within District 1 with its District office in Bartow. The University is required to maintain transportation concurrency at the State and local levels and some of the roads influenced by the traffic generated by the Florida Polytechnic campus external to the University are governed by the FDOT.

Florida Department of Environmental Protection (FDEP): FDEP is the lead agency in the state government for environmental management and stewardship, responsible for protecting Florida's air, water, and land. The Department is divided into three primary areas: Regulatory Programs, Land and Recreation, and Planning and Management. Florida's environmental priorities include restoring America's Everglades, improving air quality, restoring and protecting the water quality of Florida springs, lakes, rivers and coastal waters, conserving environmentally-sensitive lands, and providing citizens and visitors with recreational opportunities, now and in the future.

Central Florida Regional Planning Council (CFRPC): CFRPC is an association of local governments and gubernatorial representatives, created to coordinate planning and provide an opportunity for sharing solutions among the various jurisdictions in the Central Florida region. The region's counties and numerous incorporated areas are required by law to exercise regional cooperation through membership on the Council. CFRPC is responsible for maintaining the Strategic Regional Policy Plan for the Central Florida Region, as well as for functions related to environmental management, water quality, emergency preparedness planning, housing and infrastructure analysis and review, local government comprehensive plan review, cross- acceptance, dispute, and review of transportation plans.

Southwest Florida Water Management District (SWFWMD): SWFWMD manages water and related natural resources to ensure their continued availability while maximizing environmental, economic and recreational benefits. Areas of responsibility include: water supply; natural systems; water quality and flood protection.

State Fire Marshall: The plans for the campus are reviewed by the State Fire Marshall (SFM). The Orlando/Central Florida Office is the SFM's office responsible for the Florida Polytechnic Campus. The University employs a local fire safety officer.

Chapter 9: Capital Improvements

This element evaluates the need for public facilities as identified in other Campus Master Plan elements; to analyze the fiscal capability of the University to finance and construct improvements; to adopt financial policies to guide the funding of improvements; and to schedule the construction of improvements in a manner necessary to ensure that capital improvements are provided when required based on needs identified in the other Campus Master Plan elements. All development is contingent upon the availability of funding.

Summary of Facility Needs and Requirements

The University develops its facilities needs within the Florida State University System (SUS) guidelines for space use and as funding allows. Based on a comparison of annualized facility space needs presented in Table 12 and existing space provided by the IST building, the following facilities are needed over the next ten years:

Priority 1: Applied Research Center (2021-2022)	Estimated completion; public funding sources – New construction of a 63,000 NASF/95,000 GSF facility that will accommodate laboratories and an entrepreneurship center to assist with the commercialization of products and services created from the University's research. The facility will also provide space to meet the demand for hosting industry research groups as well as national and international meetings.
Priority 2: Academic Building 3 (2023-2026)	New construction of an approximately 58,000 NASF/92,800 GSF facility which will house specialized research spaces and provide computer/office spaces for faculty and students involved in the academic research. The space will be supplemented with campus support spaces providing student services for the research and academic activity. It is anticipated that this project will be funded through a combination of public and private funding.
Priority 3: Residence Hall 3 (2023-2024)	New construction of a 96,000 NASF/134,400 GSF residence hall with 250 beds and planned spaces for learning and living. The addition of this building is based on projected on-campus housing needs described in the Housing Chapter.
Priority 4: Student Achievement Center (2026-2028)	New construction of a 40,986 NASF/65,578 GSF facility that will house an honors college, industry job center, international liaison office, faculty and industry mentorship program, and tutoring programs. Additionally, the facility will house programs that provide support for the psychological and social well-being of students. It is anticipated that this project will be funded and developed through a combination of public and private funding.

In addition to new buildings, specific infrastructure investments are anticipated for the 2020/2021 academic year (chiller expansion), the 2027-2028 timeframe (proposed multi-use parking deck project). Several projects are being completed with Carry Forward funding. The anticipated funding source for the other campus infrastructure improvements is public funding, with the exception of the option for bond or public private partnership financing for the proposed parking structure.

The building and infrastructure needs are also reflected in the 10-Year Capital Improvement Plan (CIP), Table 11 below. The Florida Polytechnic Five-Year CIP is linked to the Campus Master Plan and its 10-Year CIP. The basis for the 10-Year CIP is analysis of facility space needs with projections for space needs by category through the 10-year planning period.

Table 11: Florida Polytechnic University 10-Year Capital Improvement Plan

PROJECT	YEAR										TOTAL NASF/ GSF
	2020 2021	2021 2022	2022 2023	2023 2024	2024 2025	2026 2027	2027 2028	2028 2029	2029 2030	2030 2031	
Applied Research Center	63,000 NASF $15M	$15M									63,000 95,000
Academic Building				58,000 NASF $12M	$19M	$13M					58,000 92,800
Student Achievement Center						40,986 NASF $11M	$14M	$3M			40,986 65,578
Sub-Totals, Academic Buildings											**161,986 253,378**
Residence Hall 3 & 4				96000 NASF $35M			96000 NASF $35M				192000 268,800
Sub-Totals, Residence Halls											**192,000 268,000**
Utilities &Infrastructure	**	** $2M	**	**	**	** $2M	**	** $4M	**	**	--

* NASF – Net Assignable Square Feet; GSF – Gross Square Feet

** Annual improvements and expansions to campus utilities and infrastructure as well as recreation and parking facilities.

Table 12: Florida Polytechnic University Annualized Space Needs Projections*

YEAR		CLASSROOM	TEACHING LAB	RESEARCH LAB	OFFICE	STUDENT STUDY	SUPPORT
2020	Projected Need	11,250	14,063	23,438	28,125	16,875	5,313
-2021	Existing Space	27,985	30,142	26,241	42,619	51,778	7,981
	Net Need	**-16,735**	**-16,080**	**-2,804**	**-14,494**	**-34,903**	**-2,669**
2021	Projected Need	12,222	15,278	25,463	30,555	18,333	5,772
-2022	Existing Space	27,985	30,142	26,241	42,619	51,778	7,981
	Net Need	**-15,763**	**-14,865**	**-779**	**-12,064**	**-33,445**	**2,285**
2022	Projected Need	13,986	17,483	29,138	34,965	20,979	6,605
-2023	Existing Space	27,985	30,142	26,241	42,619	51,778	7,981
	Net Need	**-13,999**	**-12,660**	**2,897**	**-7,654**	**-30,799**	**-1,377**
2023	Projected Need	15,147	18,934	31,556	37,868	22,721	7,153
-2024	Existing Space	27,985	30,142	26,241	42,619	51,778	7,981
	Net Need	**-12,838**	**-11,208**	**5,315**	**-4,752**	**-29,058**	**-829**
2024	Projected Need	16,416	20,520	34,200	41,040	24,624	7,752
-2025	Existing Space	27,985	30,142	26,241	42,619	51,778	7,981
	Net Need	**-11,569**	**-9,622**	**7,959**	**-1,579**	**-27,154**	**-229**
2025	Projected Need	17,730	22,163	36,938	44,325	26,595	8,373
-2026	Existing Space	27,985	30,142	26,241	42,619	51,778	7,981
	Net Need	**-10,255**	**-7,980**	**10,697**	**1,706**	**-25,183**	**391**
2026	Projected Need	18,468	23,085	38,475	46,170	27,702	8,721
-2027	Existing Space	27,985	30,142	26,241	42,619	51,778	7,981
	Net Need	**-9,517**	**-7,057**	**12,234**	**3,551**	**-24,076**	**740**
2027	Projected Need	19,602	24,503	40,838	49,005	29,403	9,257
-2028	Existing Space	27,985	30,142	26,241	42,619	51,778	7,981
	Net Need	**-8,383**	**-5,640**	**14,597**	**6,386**	**-22,375**	**1,275**
2028	Projected Need	20,520	25,650	42,750	51,300	30,780	9,690
-2029	Existing Space	27,985	30,142	26,241	42,619	51,778	7,981
	Net Need	**-7,465**	**-4,492**	**16,509**	**8,681**	**-20,998**	**1,709**
2029	Projected Need	22,986	28,733	47,888	57,465	34,479	10,855
-2030	Existing Space	27,985	30,142	26,241	42,619	51,778	7,981
	Net Need	**-4,999**	**-1,410**	**21,647**	**14,846**	**-17,299**	**2,873**
2030	Projected Need	24,624	30,780	51,300	61,560	36,936	11,628
-2031	Existing Space	27,985	30,142	26,241	42,619	51,778	7,981
	Net Need	**-3,361**	**638**	**25,059**	**18,941**	**-14,842**	**3,647**

*Note: All numbers represent NASF (net assignable square feet)
**Assumes completed ARC Building
Source: Florida Polytechnic University Office of Institutional Research (OIR), April 2020

Revenue Sources Available for Capital Improvement Funding

Public Education Capital Outlay and Debt Service Trust Fund (PECO)

PECO is Florida's financing program for capital improvements at the state's public schools, community and state colleges and universities. PECO funds are used for construction, as well as the remodeling, renovation and repair of existing educational facilities.

Capital Improvement Trust Fund (CITF)

This source of funds is provided by student fees that each SUS university collects.

Revenue Bonds

Revenue bonds can be used by universities to fund capital improvement projects that are approved by the Board of Governors and, if required by Florida Statute, the state legislature. The bonds are backed by revenue authorized for such purposes such as student fees, revenues from sales and services of auxiliary enterprises or component units of a university, royalties and licensing fees, assets of university foundations or other university direct support organizations, or any other revenues permitted by law. Revenue bonds are used to fund facilities functionally related to the university operation or direct-support organization financing the capital outlay project.

Facilities Enhancement Challenge

This is a program that encourages gifts from private sources to specific projects that the University can justify as instructional or research related. The State provides matching funds from general revenue or lottery funds.

Grants and Donations

The University may receive grants or private donations from third-party sources.

Auxiliary Enterprises

Auxiliary enterprises include activities that directly or indirectly provide a product or a service, or both, to the campus community and for which a charge is made. These are self-supporting enterprises and include activities such as bookstore on line, food services, operation of vending machines, campus mail/package receiving, copy/print services, parking, event management, ID card services and transportation.

General Revenue and Lottery Funds

These funds must be appropriated by the state legislature for a specific project.

Summary of Facility Needs and Requirements

Public-Private Partnerships

The University will pursue collaborative public and private partnerships that enhance funding opportunities, including leveraging state and federal funding.

Revolving Loan Fund (RLF)

An RLF establishes a fund that can be used to finance projects that have a cost-savings component, often tied to energy efficiency. The money saved as a result of the project is then paid back into the fund to be made available for future projects. A revolving loan fund is an effective “paid from savings” approach that would allow the University to implement repairs and upgrades necessary to reduce energy and water use and associated costs.

Carry Forward Funds (CFF)

By state statute, the University is permitted to Carry Forward Funds remaining at the end of the fiscal Year, for its use during the first ten years of existence (2013-2023).

Appendix 3

Evaluation and Appraisal Report

Florida Polytechnic University Campus Master Plan 2021-2031

Prepared by:

Facilities and Safety Services
Florida Polytechnic University

Appendix 3 includes the Evaluation and Appraisal Report1 component of the 2021-2031 Campus Master Plan Update. The report provides a summary evaluation of the goals, objectives, and policies of the 2015-2025 Campus Master Plan (dated September, 2016). It is organized by the numbering system assigned to the plan elements in the 2015-2025 Campus Master Plan.

Specific changes, to the 2015-2025 Master Plan, moving forward include:

Evaluation & Appraisal Report
Previous Master Plan 2015-2025: Proposed Changes and Modifications

Chapter 1: Academic Mission and Program

Objective 1C.5 Achieve institutional and program accreditation. (Maybe "Maintain")

Chapter 2: Future Land Use

Policy 2B.6.3 – Require that all future buildings over 50,000 GSF of space be designed at a minimum of three stories in height.

Policy 2B.6.6 – Prohibit the use of one-story occupied metal trailer buildings except on a short-term basis with removal dates prescribed and monitored.

Chapter 4: Housing

Objective 4A.1 Endeavor to provide up to 1,000 student beds in residence facilities on Campus within 10 years to insure the availability of an adequate supply of housing, as needed.

Chapter 5: General Infrastructure

Goal 5E – Florida Polytechnic University's goal is to provide adequate steam/hot water/heating in a flexible, efficient and cost-effective manner to support the growth of the campus. (Consider deleting, or writing a new goal for heating.)

Policy 5H.1.3 – Program funds for design and installation to provide adequate copper connectivity for voice, multi-mode fiber for data, and single mode fiber for video/data to all buildings on the Florida Polytechnic campus. (Strike copper for voice [only elevators])

Chapter 7: Recreation and Open Space

Policy 7A.2.1 Maximize the potential of the Wellness Center and construct additional recreational and open space facilities to meet on-campus recreation and physical education needs. (Change to "Student Development Center")

Appendix 4

Traffic, Water, and Wastewater Report

Florida Polytechnic University Campus Master Plan 2021-2031

2031

Prepared by:

Facilities and Safety Services
Florida Polytechnic University

CivilSurv Design Group, Inc.
Lakeland, Florida

CIVILSURV
A Tradition of Innovative Engineering

June 8, 2021

Mr. Brent McLean, EI
Project Manager
Facilities & Safety Services
Florida Polytechnic University
4700 Research Way
Lakeland, Florida 33805
bmclean@floridapoly.edu

RE: Master Plan Support Services
Letter Report
CivilSurv File: 166001001

Mr. McLean:

As requested and authorized by Florida Polytechnic University (Florida Polytechnic), CivilSurv Design Group, Inc. (CivilSurv) has performed support services associated with the 2021 Facilities Master Plan update. Specifically, CivilSurv has completed research and analysis related to transportation and water utilities infrastructure. The purpose of this letter report is to summarize our findings and to provide recommendations for Tables 4, 5, 6, 8, and 9 of the 2021-2031 Facilities Master Plan.

EXISTING ROADS

CivilSurv has obtained recent traffic data from the Polk Transportation Planning Organization (Polk TPO) for the roadways identified in the original Facilities Master Plan. These roadway facilities include the Polk Parkway (SR 570), University Boulevard, Research Way, I-4 (SR 400), Memorial Boulevard (US 92 / SR 600), and SR 33 (Commonwealth Avenue). The Polk TPO data was updated in 2019 and is expected to be updated again by the end of the year. The 2019 data is included in this summary as the best available information.

In addition to data obtained from the Polk TPO, Access Control Classification information was obtained from the Florida Department of Transportation (FDOT). The FDOT data was obtained in a kmz file format, dated October 6, 2020. A summary of reviewed data and roadway characteristics, as obtained from the Polk TPO and FDOT is provided in **Table 4** and **Table 5**.

Table 4: Summary of Existing Roadway Characteristics

Roadway Characteristics	Primary Roadways			Secondary Roadways		
	Polk Parkway (SR 570)	University Boulevard	Research Way	I-4 (SR 400)	Memorial Boulevard (US 92 / SR 600)	SR 33 (Commonwealth Avenue)
Roadway Segment	Link 7401: US 98 to CR 546 (Old Dixie Parkway) Link 7402: CR 546 to I-4	Link 6909: SR 33 to Polk Parkway	Link 6910: University Boulevard to University Boulevard	Link 5506: SR 33 to CR 557	Link 5306: SR 659 (Combee Road N) to SR 655 (Recker Highway)	Link 5602: I-4 at Socrum Loop Road to I-4
No. of Lanes	4 Freeway	4 Divided	4 Divided	6 Freeway	4 Divided	2 Bypass Lane
Functional Classification	Principal Arterial	Urban Collector	Urban Collector	Principal Arterial	Principal Arterial	Minor Arterial
Access Control Classification	1	N/A	N/A	1	3 / 5	4 / 5
2019 Traffic Volume (AADT)	16,400 10,000	2,000	500	96,900	32,700	14,900
Peak Hour / Peak Season Level of Service (LOS)	B	C	C	C	C	C

Footnotes:

Access Control Classifications (assigned by FDOT for roadways in the State Highway System) per 14-97.003, F.S.

1 – Limited access facilities which do not provide direct property connections.

3 – Controlled access facilities where direct access to abutting land is controlled to maximize the operation of the through traffic movement. The land adjacent to these roadways is generally not extensively developed and / or the probability of significant land use change exists. These roadways are distinguished by existing or planned restrictive medians.

4 – Controlled access facilities where direct access to abutting land is controlled to maximize the operation of the through traffic movement. The land adjacent to these roadways is generally not extensively developed and / or the probability of significant land use change exists. These roadways are distinguished by existing or planned non-restrictive median treatments.

5 – Controlled access facilities where adjacent land has been extensively developed and where the probability of major land use change is not high. These roadways are distinguished by existing or planned restrictive medians.

N/A – FDOT Access Control Classifications not applicable. Roadways are under the jurisdiction of the City of Lakeland and are subject to the Access Management Standards of the City of Lakeland Land Development Code. Connection locations / standards for University Boulevard and Research Way are also generally depicted in the Williams DRI Development Order.

Table 5: Level of Service Comparison

Roadway	Current LOS Peak Hour	Adopted LOS	Projected LOS in 5 Years	Projected LOS in 10 Years
Polk Parkway (SR 570)	B	D	B	B
I-4 (SR 400)	C	D	D	D
Memorial Boulevard (US 92 / SR 600)	C	D	C	C
SR 33 (Commonwealth Avenue)	C	D	C	C
University Boulevard	C	E	C	C
Research Way	C	E	C	C

ROADWAY CAPACITY

The 10th edition of the Institute of Transportation Engineers (ITE) Trip Generation Manual is the current edition with the release of the 11th edition expected by the end of 2021. The trip generation rates were reviewed for the "University/College" land use category. Based on the review of the current Trip Generation Manual, the trip generation rate per student has decreased from an average of 2.38 to 1.56 as compared to the previous master plan. Similarly, the peak hour trip generation rate has decreased from an average of 0.21 to 0.15. These updated values have been incorporated into **Table 6** along with student population data, as provided to CivilSurv by Florida Polytechnic. Site specific traffic data was not available for review. However, if such data is collected in the future, it could be used to supersede the published trip generation rate data.

Table 6 previously addressed credited daily trips as part of the Williams DRI. However, specific information regarding the credited trips was unable to be verified based on the available information and has been removed from **Table 6** accordingly.

Table 6: Florida Polytechnic Trip Generation

Trip Generation	Year	
Headcounts – Students	**2020-2021**	**2030-2031**
	1,422	3,000
Daily Trip Generation		
Daily Trip Generation Rate	x 1.56	x 1.56
Total Daily Trips Generated	**2,219**	**4,680**
Peak Hour Trip Generation		
Peak Hour Trip Generation Rate	x 0.15	x 0.15
Total Peak Hour Trips Generated	**214**	**450**

CivilSurv has reviewed the FDOT Five Year Work Program to identify projects that involve the subject roadway segments and may affect the capacity. In addition, CivilSurv inquired with the City of Lakeland regarding proposed improvements to University Boulevard and Research Way. A summary of the review is provided as follows.

- Polk Parkway (SR 570)
    - Project: Widen Polk Parkway from Milepost 18 to Milepost 22
        - Type of Work: Add Lanes & Reconstruct
    - Project: Braddock Road Interchange Improvements (Milepost 21)
        - Type of Work: PD&E / EMO Study
- I-4 (SR 400)
    - Project: I-4 at SR 33 Interchange Modification
        - Type of Work: Interchange – Add Lanes
- Memorial Boulevard (US 92 / SR 600)
    - Project: None identified.
- SR 33 (Commonwealth Avenue)
    - Project: SR 33 from Old Combee Road to South of Firstpark Boulevard South
        - Type of Work: Add Lanes & Rehabilitate Pavement
    - Project: SR 33 from Old Combee Road to North of Tomkow Road
        - Type of Work: Preliminary Engineering
- University Boulevard
    - Project: University Boulevard Resurfacing
- Research Way
    - Project: None identified.

POTABLE WATER

CivilSurv has obtained recent data from other State University System institutions in Florida to compare potable water demand estimates. In addition, available relevant data was obtained from Polk County as the City of Lakeland does not maintain standard potable water demand tables based on land use. Historic water use data for the campus was not available for review. A summary of reviewed information is provided as follows.

- Source: Florida Gulf Coast University 2015-2025 Campus Master Plan
    - Potable Water Demand per Enrollment: 25 Gallons per Day (GPD)
    - Potable Water Demand per Campus Resident: 75 GPD
    - Peaking Factor: Not Provided
- Source: Florida State University 2008 Master Plan Update, Revision 7 – November 1, 2019
    - Potable Water Demand per Capita: 35 GPD
    - Peaking Factor: Not Provided
- Source: University of Florida Campus Master Plan 2020-2030
    - Potable Water Demand per Capita: 32 GPD
    - Peaking Factor: 1.36
- Source: Florida Polytechnic University 2015-2025 Campus Master Plan
    - Potable Water Demand per Full Time Equivalent (FTE): 17 GPD
    - Potable Water Demand per Campus Resident: 50 GPD
    - Peaking Factor: 5.0
- Source: Polk County Utilities Code
    - Potable Water Demand for a “Senior High / College Universities” per Student: 24 GPD
    - Potable Water Demand for a “Boarding School” per Student: 75 GPD
    - Peaking Factor: 4.0

Based on the review of available information, the recommended potable water demand factors for FTE and Campus Residents are 25 GPD and 75 GPD, respectively. A peaking factor of 4.0 is recommended for planning purposes.

Florida Polytechnic employs a Fire Safety Inspector / Emergency Management Officer and is the Authority Having Jurisdiction (AHJ) with respect to fire protection. Based on information provided by the Florida Polytechnic Fire Safety Inspector / Emergency Management Officer, Residence Hall II has the highest fire flow demand of 2,400 GPM for four hours at a minimum pressure of 40 psi. The 2,400 GPM fire flow is based on a scenario where two fire hydrants are simultaneously involved to engage a fire, assuming that each fire truck would require flow of 1,200 GPM for fire suppression. **Table 8** provides a summary of projected potable water demand for the campus.

Table 8: Florida Polytechnic University Projected Potable Water Demand Planning Horizon 2030-2031

Category	Demand (GPD)	Peak Flow (GPM)
Residents (1,382)	103,650	288
FTE (2,736)	68,400	190
Fire Flow	N/A	2,400
Totals	**172,050**	**2,878**

SANITARY SEWER

Similar to the potable water analysis, CivilSurv obtained recent data from other State University System institutions in Florida, as well as Polk County, for the purpose of comparing wastewater demand factors. A summary of reviewed information is provided as follows.

- Source: Florida Gulf Coast University 2015-2025 Campus Master Plan
  - Wastewater Percentage of Potable Water Demand: 100%
  - Peaking Factor: Not Provided
- Source: Florida State University 2008 Master Plan Update, Revision 7 – November 1, 2019
  - Wastewater Percentage of Potable Water Demand: 85%
  - Peaking Factor: Not Provided
- Source: University of Florida Campus Master Plan 2020-2030
  - Wastewater Percentage of Potable Water Demand: ±75%
  - Peaking Factor: Not Provided
- Source: Florida Polytechnic University 2015-2025 Campus Master Plan
  - Wastewater Percentage of Potable Water Demand: 85%
  - Peaking Factor: 5.0
- Source: Polk County Utilities Code
  - Wastewater Percentage of Potable Water Demand for an Equivalent Residential Connection (ERC): 75%
  - Peaking Factor: 3.5 for flows in the range of 100,001 to 250,000 GPD

Based on the reviewed information, the recommended wastewater demand relative to the potable water demand is 85%. A peaking factor of 3.5 is recommended for planning purposes. A summary of projected wastewater demand is provided in **Table 9**. Please note that the residential use is additive to the Full Time Equivalent use to account for use by staff and students during school hours.

Table 9: Florida Polytechnic University Projected Wastewater Treatment Demand Planning Horizon 2030-2031

	Demand (GPD)	Peak Flow (GPM)
Residents (1,382)	88,103	214
FTE (2,736)	58,140	141
Totals	146,243	355

CONCLUSION

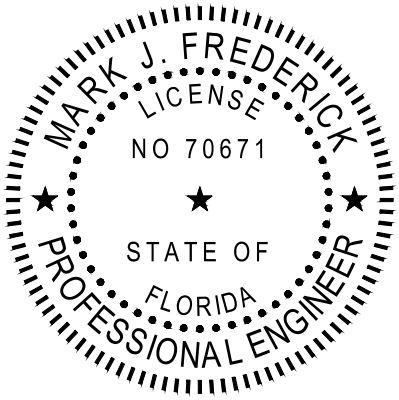
The table values provided in this letter report represent the best available information for planning purposes. Site specific data collection is recommended to support future master plan updates.

Please feel free to contact our office if there are any questions regarding this letter.

CERTIFICATION STATEMENT

In accordance with Chapter 61G15-23.001, F.A.C., this Engineering Document has been prepared, in its entirety, under the responsible charge of the Professional Engineer. The Professional Engineer is practicing through CivilSurv Design Group, Inc., a duly qualified engineering business organization, located at 2525 Drane Field Road, Suite 7, Lakeland, FL 33811.

Mark J. Frederick, P.E., CFM, ENV SP, PMP
Vice President of Civil Engineering
Florida Professional Engineer No. 70671



FLORIDA POLYTECHNIC UNIVERSITY

Campus Master Plan 2020-2030

David Calhoun

April 26, 2021

Role of Campus Master Plan

State Government

- **Capital Improvement Plan (CIP)**
- **Fixed Capitol Outlay (FCO)**
- **Legislative Authority to Construct**

Host Local Governments

- **Required 90 Day review Period**
- **Campus Development Agreement**
  - ✓Inform city of growth plans
  - ✓Identify needs
  - ✓Assess impact

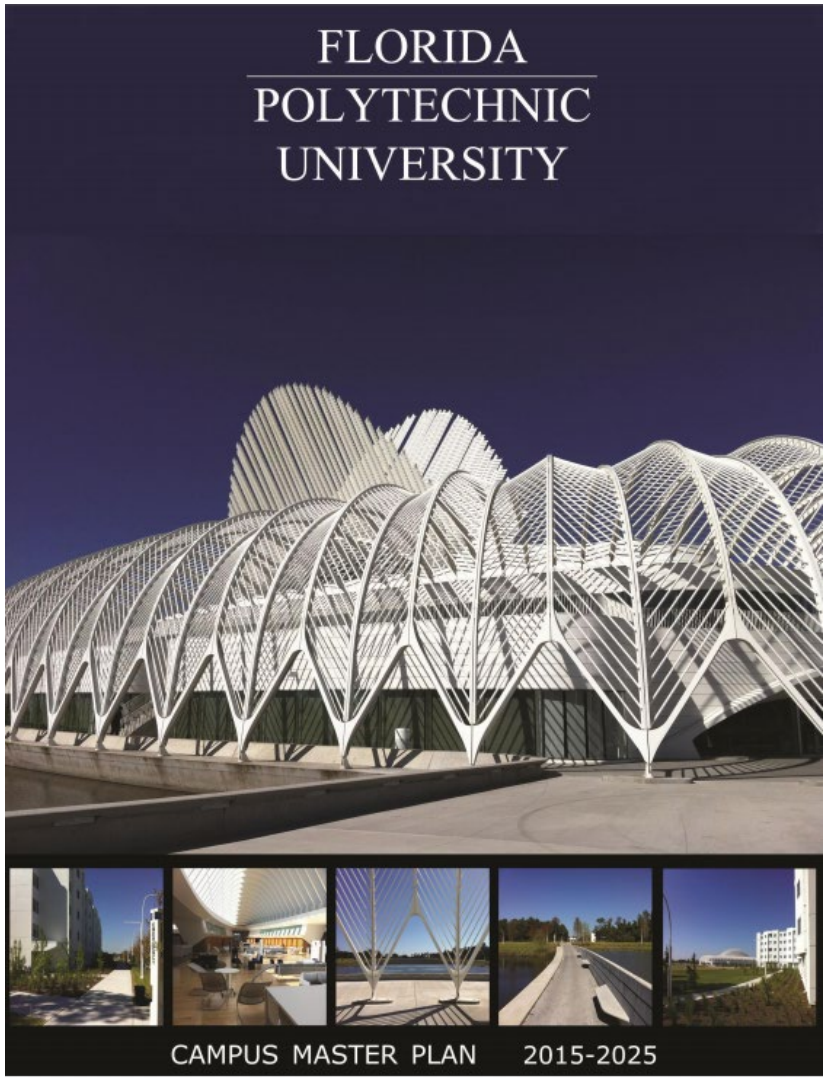
State University System

- **Capital Improvement Priority List for PECO Funding**
- **Educational Plan Survey**
  - ✓Inform EPS
  - ✓Receive Survey Recommendation

Campus Master Plan 2015-2025

FLORIDA POLY

- **Florida State Statutes require a ten-year Master Plan**
  - Must be updated every 5 years
  - Annual amendments as necessary
- **BOT adopted 2015-25 Master Plan 9/7/2016**
- **Master Plan Content**
  - Academic Mission and Program
  - Future Land Use
  - Transportation
  - Housing
  - General Infrastructure
  - Conservation
  - Recreation and Open Space
  - Intergovernmental Coordination
  - Capital Improvement
  - Figures, Data, Evaluation/Appraisal



Campus Master Plan

- **Required Plan Elements**
  - Specific land uses
  - General structure locations
  - Densities and intensities
  - Site design
  - Environmental management
  - Preservation of historic and archaeological resources
  - Public transportation
  - Figures, Data, Evaluation/Appraisal

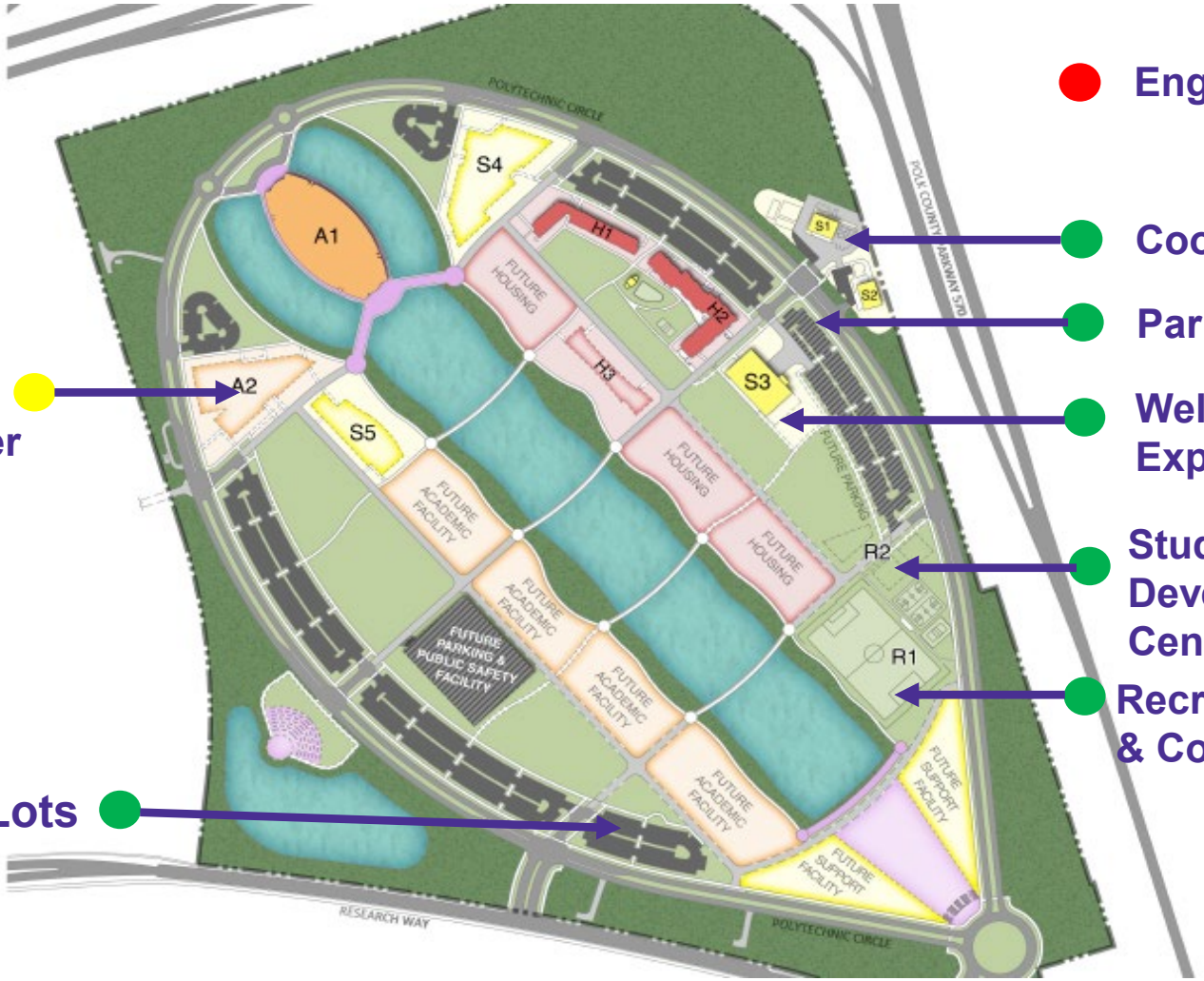
- **Optional Plan Elements**
  - Academic mission
  - Academic program
  - Utilities
  - Public Safety
  - Landscape architectural design
  - Facilities maintenance

Student Growth

2015-2025 Campus Master Plan		
Year	FTE	Headcount
2014	383	545
2020	1302	1760
2025	1713	2319

Completed & In Progress Improvements

Complete
In Progress
TBD



Eng. Shop

Cooling Tower

Parking Lot

Applied Research Center

Wellness Center Expansion

Student Development Center

Recreation Field & Courts

Parking Lots

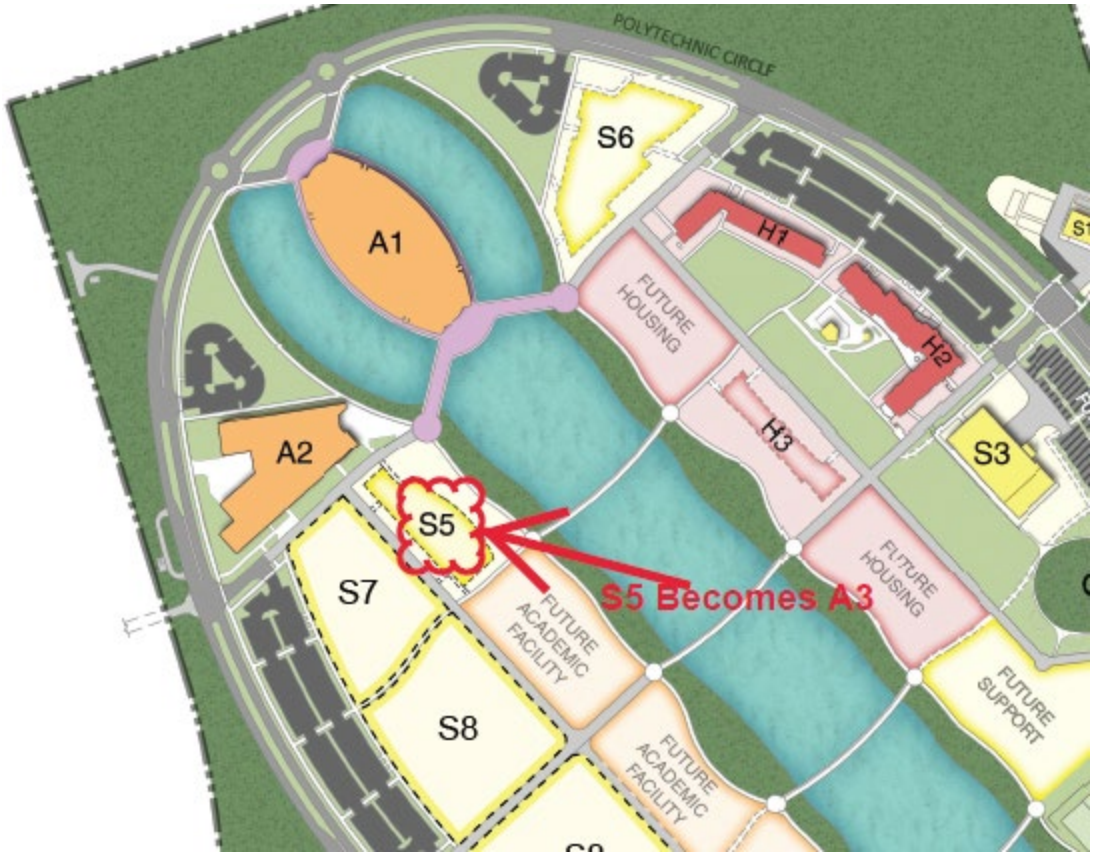
Student Growth

2020-2030 Campus Master Plan		
Year	FTE	Headcount
2020	1233	1366
2025	2130	2284
2031	2736	3000

Space Needs Projections by Space Type 2020-2030

Space Type	Space Factor (NASF/FTE)	Projected Need (NASF)	Constructed Facilities	10 Year Need	Status
Classroom (Lecture)	9	24,624	27,985	-3,361	
Teaching Lab	11.25	30,780	30,142	638	
Research Lab	18.75	51,300	26,241	25,059	
Instructional Media	3.00	8,208	969	7,239	
Auditorium/Exhibit	2.25	6,156	8,093	-1,937	
Office/Computer	22.50	61,560	42,619	18,941	
Gymnasium	4.50	12,312	2,747	9,565	
Study	13.50	36,936	51,778	-14,842	
Campus Support	4.24	11,601	12,732	-1,131	
Total		**243,477**	**203,306**	**40,171**	

Campus Master Plan
Academic Building 3



Campus Master Plan 2015-25 vs. 2020-30

FLORIDA POLY

Summary

- **Campus Master Plan Schedule**
  - Initial BOT approval of draft plan
  - 90-day agency approval with hearings
  - Final BOT adoption/approval
  - Submission to BOG
  - Schedule Educational Plan Survey (EPS)
- **To complete the process this fall we will likely require an Executive Session in June**
  - Approve the Draft Plan
  - Approve contract extension of the ARC

AGENDA ITEM: VI.

Florida Polytechnic University

Board of Trustees

June 29, 2021

Subject: **Applied Research Center (ARC) Change Orders**

Proposed Action

Approve the Skanska USA Building Inc. (Skanska), Guaranteed Maximum Price Phase III ("GMP 03"), in the amount of $10,152,691, for the Applied Research Center construction contract.

Background Information

All contracts greater than or equal to $500,000 must be approved by the Florida Polytechnic University Board of Trustees. The University recommends approval of GMP 03 to the Construction Management Agreement with Skanska for the interior buildout to complete the construction of the Applied Research Center.

Supporting Documentation:

1. Skanska – Executive Summary
2. Skanska – Agreement for Construction Management Services Agreement
3. Skanska – GMP 03 Interview Build Out

Prepared by: Treasa McLean, Director of Procurement

EXECUTIVE SUMMARY

Information recommending the Florida Polytechnic University Board of Trustees approval of Applied Research Center (ARC) Agreement GMP 03, Interior Build Out, with Skanska USA Building Inc., in the amount of $10,152,691, at the June 29, 2021, Board of Trustees meeting. (Agenda Item VII "Applied Research Center (ARC) GMP 03").

BACKGROUND:

A competitive solicitation was issued in 2017 (PQS 17-005) for the Applied Research Center Construction Manager at Risk Services. Skanska was one of 13 proposals submitted. On July 2, 2018, Skanska was awarded contract as Applied Research Center Construction Manager at Risk.

DESCRIPTION OF PROJECT:

Description of Project
FPU Project No: PC55327
FPU Project Name: Applied Research Center
Locations/Address: 4400 Polytechnic Circle
Description/Scope: New Teaching and Research Facility

The Project consists of the new construction of a 2 story – 96,600 GSF Laboratory, Office and Classroom building on the Florida Polytechnic University campus in Lakeland, FL. The project is known as the Applied Research Center and will offer a similar level of visual interest as the signature IST Building, adjacent to which it is located. There will be a high level of technology integration, flexibility of systems, and the need for attentiveness to architectural details.

The University has engaged the services of Hellmuth, Obata, & Kassalbaum, Inc. (HOK) to provide programing, design, and construction administration services as the "Architect of Record".

This project will be completed in three phases with the projected construction cost of $39.7M. GMP 03 Proposal is the third and final phase of the project. Below is a breakdown of construction cost:

- Phase 1 – Sitework/Foundations/Structure:
  GMP Approved - $8.2M

- Phase 2 – Mechanical, Electrical, Plumbing and Fireproofing (MEPF) & Exterior Skin (Building Shell)
  GMP Approved - $17.7M
  - Interior Framing & Plumbing - $2.5M
  - Level 1 Drywall – $1.1M

- Phase 3 – Interior Build Out
  GMP – Estimated Interior Build Out $10.2M

FISCAL IMPACT:

Applied Research Center total project budget is $48.5M for all phases of project including Skanska contract of $39.7M for construction services.

- Funded to Date ($48.6)
  - PECO funding 16-17 ($5.0M)
  - PECO funding 17-18 ($2.0M)
  - PECO funding 21-22 ($14.9M)
  - CF funding 16-17 ($5.0M)
  - CF funding 18-19 ($17.9M)
  - CF funding 19-20 ($2.7M)
  - CF funding 19-20 ($1.1M)
- Proposed completion date 03/2022
- Building size
  - New NASF (66,861) vs. (60,786)
  - New GSF (96,600) vs. (85,100)

LEGAL CONSIDERATIONS:

The Office of General Counsel has reviewed and approved this Applied Research Center GMP 03 for legal compliance and sufficiency.

FINAL COMMENTS:

Overall ARC project is moving forward as anticipated with completion of GMP 01 and GMP 02. Board of Trustee approval is requested to execute GMP 03 to complete the construction of the ARC by March 2022.

PREPARED BY: Treasa McLean, Director of Procurement
David Calhoun, AVP, Facilities and Safety Services

CF = Carry Forward
GSF = Gross Square Feet
MEPF = Mechanical, Electrical, Plumbing and Fireproofing
NASF = Net Assignable Square Feet
PECO = Public Education Capital Outlay

FLORIDA POLYTECHNIC
UNIVERSITY

AGREEMENT FOR CONSTRUCTION MANAGEMENT SERVICES

Project Name:

Applied Research Center

Construction Manager:

Skanska USA Building Inc.
4030 Boy Scout Blvd., Suite 200
Tampa, FL 33607
(813) 282-3262

AGREEMENT FOR CONSTRUCTION MANAGEMENT SERVICES

FLORIDA POLYTECHNIC UNIVERSITY

THIS AGREEMENT for Construction Management Services (the "Agreement") is made and entered into this _____ day of June, 2018, by and between the Florida Polytechnic University for and on behalf of The Florida Polytechnic University Board of Trustees ("Owner") and Skanska USA Building Inc., Federal I.D. No. 22-3752540, ("Construction Manager") which is authorized to do business in Florida.

WITNESSETH:

WHEREAS, Owner solicited statements of qualifications from interested construction managers for the construction of the project described on **Exhibit A** (the "Project"); and

WHEREAS, based on Construction Manager's interview, qualifications statement and related submissions, Owner has selected Construction Manager for the Project; and

WHEREAS, Owner and Construction Manager desire to enter into this Agreement;

WHEREAS, the Owner intends to engage, or has engaged, one or more Professionals to perform architectural and for engineering service for the Project;

NOW THEREFORE, for and in consideration of the covenants herein contained and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Owner and Construction Manager agree as follows:

ARTICLE 1 GENERAL DESCRIPTION OF SERVICES

1.1 The Services. The Construction Manager agrees to furnish the pre-construction and construction services set forth herein and required for completion of the Project on a Guaranteed Maximum Price (hereinafter defined) basis. Construction Manager represents that it is thoroughly familiar with and understands the requirements of the Project scope and that they are experienced in the administration and construction of building projects of the type and scope contemplated by the Owner's program for the Project. Construction Manager represents to Owner that Construction Manager has all necessary construction education, skill, knowledge, and experience required for the Project and will maintain, at all times during the term of this Agreement, such personnel on its staff to provide the services contemplated hereby within the time periods required hereby. In addition, Construction Manager represents that it has, and all the subcontractors performing services under this Agreement will have, all applicable licenses required by the State of Florida to perform such services.

1.2 Project Schedule/Time of the Essence. Construction Manager has provided Owner with a preliminary schedule covering the pre-construction and construction of the Project which is incorporated herein as **Exhibit B**. This preliminary schedule shall serve as the framework for the subsequent development of all detailed construction schedules described herein and in the General Terms and Conditions. The Construction Manager shall at all times carry out its duties and responsibilities as expeditiously as possible and in accordance with the Project schedule, subject to delays in the schedule not the fault of Construction Manager or its subcontractors. Time is of the essence for achieving the milestones outlined in Exhibit B in the performance of this Agreement.

1.3 **Preparation/Sufficiency of Site.** The Construction Manager shall, among other things Construction Manager needs to do to perform its obligations under this Agreement, as and when appropriate, (i) visit and thoroughly inspect the Project Site and any structure(s) or other manmade features to be modified and become familiar with local conditions under which the Project will be constructed and operated; (ii) familiarize itself with the survey including the location of all existing buildings, utilities, conditions, streets, equipment, components and other attributes having or likely to have an impact on the Project; (iii) familiarize itself with the Owner's layout and design requirements, conceptual design objectives, and budget for the Project; (iv) familiarize itself with pertinent Project dates and programming needs, including the Project schedule, (v) review and analyze all Project geotechnical, Hazardous Substances, structural, chemical, electrical, mechanical, and construction materials tests, investigations and recommendations; and (vi) gather any other information necessary for a thorough understanding of the Project. If the Project involves modifications to any existing structure(s) or other manmade feature(s) on the Project site, the Construction Manager shall also review all as–built and record drawings, plans and specifications of which Construction Manager has been informed by Owner and thoroughly inspect the existing structure(s) and manmade feature(s) to identify existing deficiencies and ascertain the specific locations of pertinent structural components. Claims by Construction Manager resulting from Construction Manager's failure to familiarize itself with the Site or pertinent documents shall be deemed waived.

1.4 **Project Team.** The Construction Manager shall use the Project Team identified on **Exhibit C**. The Construction Manager shall not remove or replace any members of the Project Team, except with the written approval of Owner based upon good cause shown or as directed by Owner as provided hereunder. Further, if any member of the Project Team discontinues service on the Project for any reason whatsoever, Construction Manager shall promptly replace such team member with a qualified individual approved by Owner, in writing, which approval will not be unreasonably withheld.

1.5 **Contract for Construction.** The "Contract for Construction", which constitutes the entire agreement between Owner and Construction Manager, consists of this Agreement and all exhibits hereto; the General Terms and Conditions; special conditions, if any; proposal(s) submitted by Construction Manager and accepted by Owner, if any; the Construction Documents; any amendments or addenda executed by the Owner and the Construction Manager hereafter; Owner approved change order(s) or field orders if there is insufficient time to fully execute a change order; and the additional documents listed on **Exhibit A**, if any. Documents not included or expressly contemplated in this Section 1.5 do not, and shall not, form a part of the Contract for Construction. Without limiting the generality of the foregoing, shop drawings and other submittals from the Construction Manager or its subcontractors and suppliers do not constitute a part of the Contract for Construction.

ARTICLE 2 OWNER'S DUTIES, OBLIGATIONS, AND RESPONSIBILITIES

2.1 **Project Information.** Construction Manager acknowledges that Owner has provided Construction Manager with information regarding Owner's requirements for the Project as set forth in the Project's program.

2.2 **Owner's Budget.** The Owner shall establish and update a budget for the Project, including the amount allocated for construction, the Owner's other costs and reasonable contingencies related to these costs as appropriate.

2.3 **Owner's Representative.** The Owner shall designate a representative authorized to act on the Owner's behalf with respect to the Project.

2.4 **Time for Performance.** The Owner shall review and approve or take other appropriate action on all submittals within the timeframes set forth in **Exhibit B**.

2.5 Purpose of Owner's Review. Owner's review, inspection, or approval of any Work, Applications for Payment, or other submittals shall be solely for the purpose of determining whether the same are generally consistent with Owner's construction program and requirements. No review, inspection, or approval by Owner of such Work or documents shall relieve Construction Manager of its responsibility for the performance of its obligations under the Contract for Construction or the accuracy, adequacy, fitness, suitability, or coordination of the Work. Approval by any governmental or other regulatory agency or other governing body of any Work, Design Document, or Contract Documents shall not relieve Construction Manager of responsibility for the performance of its obligations under the Contract for Construction. A change order shall be issued when work is approved or directed to be completed differently than shown in contract documents. Payment by Owner pursuant to the Contract for Construction shall not constitute a waiver of any of Owner's rights under the Contract for Construction or at law, and Construction Manager expressly accepts the risk that defects in its performance, if any, may not be discovered until after payment, including final payment, is made by Owner. Notwithstanding the foregoing, prompt written notice shall be given by the Owner or Professional to the Construction Manager if the Owner becomes aware of any fault or defect in the Project or non- conformance with the Contract for Construction.

2.6 Status of Owner. The Owner shall not have control or charge of construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Work, nor shall the Construction Manager, for any of the foregoing purposes, be deemed the agent of the Owner.

2.7 Owner's Utilities. The Owner shall be responsible to provide and pay for consumption of, and connections to, utilities required for temporary service and construction for this project.

ARTICLE 3 CONSTRUCTION MANAGER'S SERVICES

3.1 The Construction Manager's Services under this Agreement include General Project Services, Pre-Construction Services, and Construction Services.

3.2 Upon execution of this Agreement and issuance of a Notice to Proceed by the Owner, the Construction Manager shall commence performance of Pre-Construction Services. Upon execution of **Exhibit D** and issuance of a Notice to Proceed by the Owner, the Construction Manager shall commence performance of Construction Services. The parties acknowledge that (i) the Owner may determine not to proceed with Construction Services, (ii) performance of Pre-Construction Services may overlap performance of Construction Services, (iii) categories of Work performed during Construction Services may be performed in separate phases, and (iv) payment of the Construction Manager for Pre-Construction Services shall be separate from payment, if any, for Construction Services.

3.3 General Project Services. The Construction Manager agrees to:

3.3.1 Provide all services, as agreed to and as defined in the GMP, required to professionally complete the Work in an expeditious and economical manner consistent with the Contract for Construction and the best interests of the Owner.

3.3.2 Endeavor to develop, implement and maintain, in consultation with the Owner, Professional, and the Subcontractors, a spirit of cooperation, collegiality, and open communication among the parties so that the goals and objectives of each are clearly understood, potential problems are resolved promptly, and, upon completion, the Project is deemed a success by all parties.

3.3.3 Perform its services in accordance with schedule requirements.

3.3.4 Work with Owner and Professional to pursue Owner's goal of obtaining Leadership in Energy and Environmental Design (LEED) certification for the Project, at the level set forth on **Exhibit E.**

3.3.5 Participate in, and cooperate with, design phase and construction phase commissioning, validation, and other quality assurance and quality control processes.

3.3.6 Complete the Work by the required date of Substantial Completion. The Construction Manager shall submit an initial Construction Schedule by the date set forth on **Exhibit B;** a final Construction Schedule with each Guaranteed Maximum Price proposal; and revised Construction Schedules in accordance with the General Terms and Conditions. The Construction Schedule shall complement, and shall not conflict with, the design schedule.

3.3.7 Comply with Owner's Building Design and Construction Standards applicable to this Agreement as referenced herein. A link to the policies is provided on **Exhibit A.**

3.4 Pre-Construction Services. The Construction Manager shall provide the following Pre-Construction Services as discussed more fully in Construction Manager's Pre-Construction proposal dated June 5, 2018, attached as Exhibit H:

3.4.1 The Construction Manager shall familiarize itself with the approved facilities program for the Project and actively and jointly participate with the Owner and the Professional in formation of the final Project design. The phasing of, and schedule for, design for this Project are set forth on **Exhibit B.**

3.4.2 Submit for Owner review within thirty (30) calendar days of the Owner's execution of this Agreement:

(i) Project reporting procedures;

(ii) Quality Control and Testing Program defined in **Exhibit F**;

(iii) Safety Program.

3.4.3 The Professional is required, in accordance with schedule requirements, to provide design concepts, narratives, and drawings. At each phase of design, in keeping with the Owner's goals and the program for the Project, the Construction Manager shall familiarize itself with these design documents and, in accordance with the Schedule on **Exhibit B,** provide the Owner and Professional with a report detailing construction issues and concerns relating to the design, with detail appropriate to the phase of design. Without limitation of the foregoing, each construction report shall:

(i) include an estimate of overall construction cost, with Construction Manager's contingency associated with the Cost of the Work at no greater percentages than the percentages set forth on **Exhibit E,** including a comparison of the estimate to Owner's budget for construction;

(ii) identify conceptual decisions necessary to prepare accurate cost reports with the fewest assumptions, qualifications and exclusions;

(iii) include an analysis and evaluation of jobsite management, site logistics, and schedule considerations;

(iv) include an analysis and evaluation of the constructability of the design concepts, narratives, or drawings;

(v) include an analysis and evaluation of the design concepts, narratives, or drawings in regard to the completeness of intended bid categories, conflicts or overlaps in the divisions

of the Work, design details affecting construction including, without limitation, unusual or custom materials, value analysis, identification of long-lead materials affecting the Construction Schedule, availability of labor, and other factors affecting construction and, in the report provided during the Construction Documents Phase, suggestions for alternatives for matters which may delay the construction schedule;

(vi) address problems, conflicts, defects or deficiencies in the design concepts and offer resolutions of same; and

(vii) identify any other issues which Construction Manager reasonably believes may have a negative impact on the Project schedule, budget or performance.

3.4.4 The Construction Manager and the Professional shall jointly schedule and attend regular meetings with the Owner and evaluate the preliminary design drawings. The Professional shall prepare and distribute minutes of these meetings, and the Construction Manager shall verify the accuracy and completeness of the minutes.

3.4.5 The Construction Manager shall develop a comprehensive jobsite management and logistics plan for the Owner's review. This plan shall be submitted no later than the date set forth on **Exhibit E.**

3.4.6 The Construction Manager shall, in accordance with schedule requirements, assist the Professional with the resolution of all problems, conflicts, defects or deficiencies identified during the review and evaluation of the Construction Documents.

3.4.7 At each phase of design, the Construction Manager shall work with the Professional and for the Owner's cost consultant to reconcile, and make recommendations on, the differences between the estimates each has prepared at that phase of design. If the final estimates of the Construction Cost by the Construction Manager and the Professional and for the Owner's cost consultant differ materially, the Construction Manager and Professional and for Owner's cost consultant shall meet promptly to reconcile the discrepancies between their estimates so as to permit submission to the Owner of a final estimate of Construction Cost on which both the Professional and the Construction Manager agree.

3.4.8 If the Owner elects to phase and for "fast track" portions of the construction (such portions being described on **Exhibit E**), multiple Guaranteed Maximum Price proposals will be required.

3.4.9 The Construction Manager understands and acknowledges the Owner's intent that the Project will be completed within the budget set by Owner for the Project. Accordingly, throughout the Pre–Construction Services phase, the Construction Manger shall keep Owner informed if it believes that the Project may not be completed within Owner's budget, the reasons why it cannot be, and the Construction Manager's proposed solutions thereof.

3.5 Guaranteed Maximum Price Proposal

3.5.1 At the time set forth on Exhibit B, as it may be adjusted, which shall be prior to performance of Construction Services, the Construction Manager shall prepare and deliver to the Owner, with a copy to the Professional, a Guaranteed Maximum Price ("GMP") proposal. The Construction Manager shall, at a minimum, include in the GMP proposal:

(i) a recital of the specific Construction Documents, including drawings, specifications, and all addenda thereto, used in preparation of the GMP proposal;

(ii) the five (5) elements of the GMP:

a. Guaranteed Maximum Cost of the Work (hereinafter defined), detailed by each subcontract, trade or bid division;

b. the Construction Manager's Contingency for the Work;

c. General Conditions Costs consisting of:

- Guaranteed Maximum Construction Manager's General Conditions Staffing Cost (hereinafter defined), detailed by expense category; and

- Guaranteed Maximum General Conditions Cost (hereinafter defined), detailed by expense category;

d. Guaranteed Maximum for Construction Manager's Overhead and Profit.

e. Insurance and Bonds as follows:

- Builder's Risk Insurance

- Liability Insurance

➢ Payment and Performance Bonds

(iii) a draft schedule of values;

(iv) a description of all other inclusions to, or exclusions from, the GMP,

(v) all assumptions and clarifications; and

(vi) the final Construction Schedule.

3.5.2 The Construction Manager acknowledges that the Construction Documents may be incomplete at the time the Construction Manager delivers the GMP proposal, and that the Construction Documents may not be completed until after commencement of the Work. Nevertheless, the GMP proposal shall include all costs for the Work required by the completed Construction Documents, and if the GMP proposal is accepted by the Owner, the Construction Manager shall be entitled to no increase in the GMP if the Work required by the completed Construction Documents (i) is required by the Contract for Construction, (ii) is reasonably inferable from the incomplete documents, (iii) is consistent with the Owner's programmatic goals and objectives, (iv) is consistent with the Owner's Design and Construction Standards and the general industry standards for completion of the Work, (v) is not an enlargement of the scope of Work or (vi) conforms to the nature, type, kind or quality of Work depicted in the incomplete documents.

3.5.3 If the GMP proposal is unacceptable to the Owner, the Owner shall promptly notify the Construction Manager in writing. Within fourteen (14) calendar days of such notification, the Owner, Professional and Construction Manager shall meet to discuss and resolve any differences, inconsistencies, or misunderstandings and to negotiate recommended adjustments to the Work and for to the GMP.

3.5.4 The Owner may, at its sole discretion and based upon its sole judgment, (i) indicate its acceptance of a GMP proposal; (ii) reject a GMP proposal; (iii) terminate the Project; or (iv) proceed to construct the Project using a party or parties other than the Construction Manager.

3.5.5. If the Owner rejects a GMP proposal, neither party shall have any further obligation under the Contract for Construction. Owner shall pay all costs previously approved by Owner and incurred by Construction Manager prior to the notice of rejection of the GMP proposal.

3.5.6 If the Owner accepts a GMP proposal, the parties shall complete and execute **Exhibit D**, and the Owner shall issue a written Notice to Proceed to the Construction Manager establishing the date construction is to commence (the "Commencement Date"). The Construction Manager shall not expend any monies for construction prior to receipt of such Notice to Proceed without the written approval of the Owner.

3.5.7 Price Guarantees

(i) Upon execution of **Exhibit D**, the Construction Manager guarantees that the sum of (a) the actual Cost of the Work, (b) Construction Manager's Contingency, (c) Construction Manager's Staffing Costs, (d) General Conditions Cost, and (e) Construction Manager's Overhead and Profit, shall not exceed the amount set forth in the agreed upon GMP. All costs or expenses that would cause this sum to exceed the GMP shall be borne by the Construction Manager unless adjusted by Owner approved change order.

(ii) Upon execution of **Exhibit D**, the Construction Manager guarantees that the actual Cost of the Work, Construction Manager's Contingency, Construction Manager's Staffing Costs, General Conditions Cost, and Construction Manager's Overhead and Profit, shall not exceed the guaranteed maximum for each such category and that all costs or expenses that would cause any of these individual categories to exceed the guaranteed maximum for each such category in the agreed upon GMP shall be borne by the Construction Manager unless adjusted by Owner approved change order.

(iii) Upon execution of **Exhibit D**, the Construction Manager certifies that all factual unit

costs supporting the GMP proposal are accurate, complete and current at the time of negotiations; and that any other factual unit costs that may be furnished to the Owner in the future to support any additional amounts that may be authorized will also be accurate and complete. Payments to the Construction Manager shall be reduced if the Owner determines such amounts were originally included due to materially inaccurate, incomplete, or non–current factual unit costs.

(iv) Upon execution of **Exhibit D**, the Construction Manager guarantees that to the extent the accepted GMP includes contingency, use of contingency shall be approved by Owner by change order or additional services authorization prior to expenditure by the Construction Manager.

3.6 Construction Services

3.6.1 Trade Contractor Selection Bidding and Negotiation

3.6.1.1 In accordance with Owner's policies on the subject in effect at the time Construction Manager commences construction, the Construction Manager shall prepare and assemble document packets for use in bidding subcontracts. Such packaging of the Work shall be broken down to maximize both competition and the involvement of small businesses in accordance with Owner's goals enumerated in Section 8.8 hereof.

3.6.1.2 The Construction Manager shall develop subcontractor and supplier interest for each division of the Work. The Construction Manager shall pre–qualify proposed subcontractors using a pre– qualification form approved by the Owner and Professional, which shall include, at a minimum, proof of licensure where applicable.

3.6.1.3 The Construction Manager shall, in accordance with Owner's policy in effect at the time the Construction Manager commences construction, competitively bid each trade category or, if approved by Owner, negotiate for the performance of a particular trade category.

3.6.1.4 The Construction Manager shall use its best efforts to obtain bids which are less than the final GMP estimates.

3.6.1.5 The Construction Manager shall conduct bid openings in the presence of the Owner's representative. The Construction Manager shall provide the Owner with a copy of its preliminary bid tabulation and copies of all bids.

3.6.1.6 The Construction Manager shall, for each subcontract, trade or bid division:

(i) determine the final bid amounts, having reviewed and clarified the scope of Work in detail with bidders to determine which bids are the lowest bids and are complete but do not include duplicate scope items;

(ii) prepare and furnish to the Owner a final bid tabulation summary which includes by subcontract, trade and for bid division, the applicable final GMP estimate and the related final bid amount and the details of all scope clarifications, copies of subcontractor contracts and purchase orders for Owner's review and approval;

(iii) if requested by Owner, provide a list of all potential Owner Direct Purchase Materials (hereinafter defined);

(iv) identify to the Owner in writing the subcontractors to which the Construction Manager recommends award of subcontracts; and

(v) award and enter into a subcontract between itself and each subcontractor which it has recommended in accordance with this Agreement unless otherwise notified by the Owner.

3.6.1.7 No portion of the Work may be performed by the Construction Manager or its affiliates except with Owner's approval in accordance with Owner's policies on the subject in

effect at the time the Construction Manager commences construction.

3.6.1.8 The Construction Manager shall award Trade Contracts representing ninety percent (90%) of the Cost of the Work or more, within the timeframe outlined in **Exhibit D**.

3.6.1.9 The Construction Manager shall promptly inform the Owner in writing of any proposed replacements to the list of subcontractors and suppliers in the final bid tabulation sheet provided to Owner, the reasons therefore, and the name(s) and qualification(s) of proposed replacement(s). The Owner shall have the right, in its reasonable discretion, to reject any proposed replacement if such proposed replacement fails to meet any criteria or requirements established for subcontractors performing such portion of, or for, the Work.

3.6.2 Construction Supervision

3.6.2.1 Commencing with the award of the first subcontract and terminating on the date of Final Completion, the Construction Manager shall provide the services described herein.

3.6.2.2 The Construction Manager shall, as the Owner's construction representative during construction, advise and consult with the Owner and the Professional, and provide administration of the Construction Documents.

3.6.2.3 The Construction Manager shall supervise and direct the Work at the Site. The Construction Manager shall, at a minimum, staff the Project Site with personnel who shall:

(i) supervise and coordinate the Construction Manager's personnel and act as its primary liaison with the Owner and the Professional;

(ii) coordinate trade contractors and suppliers, and supervise Site construction management services;

(iii) be familiar with all trade divisions and trade contractors' scopes of Work, all applicable building codes and standards, and the Contract for Construction;

(iv) check, review, coordinate and distribute shop drawings and check and review materials delivered to the Site, regularly review the Work to determine its compliance with the Construction Documents and the Contract for Construction, confer with the appropriate Owner's consultant(s) as necessary to assure acceptable levels of quality;

(v) prepare and maintain Project records, including process documents and daily logs;

(vi) schedule and conduct weekly progress meetings with subcontractors to review such matters as jobsite safety, job procedures, construction progress, schedule, shop drawing status and other information as necessary and provide notification of, and minutes from, such meetings to Owner and Professional;

(vii) schedule and conduct progress meetings as agreed with the Owner and Professional to review such matters as construction progress, schedule, shop drawing status, and other information as necessary;

(viii) make provision for Project security to protect the Project site and materials stored off– site against theft, vandalism, fire and accidents as required by the General Terms and Conditions.

(ix) promptly reject any Work which does not conform to the Construction Documents or which does not comply with any applicable law, statute, building code, rule or regulation of any public authority or agency of which it is aware, immediately notifying the Professional and the Owner in writing when it has rejected any Work;

(x) comply with, and cause its subcontractors and suppliers to comply with, the Project Construction Schedule and applicable sub–schedules. The Construction Manager shall obtain and review schedules from subcontractors and suppliers, coordinate sub–schedules with the Construction Schedule, and enforce compliance

with the all applicable schedules to insure timely completion of the Work. If at any time the Project is delayed, the Construction Manager shall immediately notify the Owner and the Professional of the probable cause(s) and possible alternatives and make recommendations to minimize expense and delay to the Owner; and

(xi) provide documentation necessary to the Professional for, and otherwise assist the Professional with, the preparation of the final "as–built" or record drawings.

3.6.2.4 In accordance with Owner's agreement with the Professional working on the Project, the Professional will visit the Project Site at intervals appropriate to the stage of construction to familiarize itself with the progress and quality of the Work and to inspect the Work. The Construction Manager shall request that the Professional visit the Site at additional times as the Construction Manager deems necessary to attend meetings, inspect the Work, and render interpretations regarding the Work necessary for the proper execution of the Work. The Professional's interpretations and decisions after conferring with the Owner shall be final regarding the Construction Documents and the Work.

3.6.3 Owner Direct Purchase Program. The Owner may elect to implement an owner direct purchase program whereby it may purchase materials and equipment included in any Subcontractor's bid for a portion of the Work directly from the supplier of such materials or equipment in order to achieve sales tax savings. Such materials and equipment are referred to as "Owner Direct Purchase Materials." If Owner elects to implement an owner direct purchase program, it shall so notify Construction Manager in writing, and the terms of this paragraph shall govern, along with Owner's policies on the subject in effect at the time Construction Manager commences construction of the Project. Construction Manager shall submit to the Owner a list of appropriate materials and equipment that exceed $5,000 per purchase requisition for consideration by the Owner as Owner Direct Purchase Materials. Construction Manager shall obtain Builder's Risk insurance on the Owner Direct Purchase Materials naming Owner as the insured or an additional insured, provided Owner shall reimburse Construction Manager for the cost of such insurance as provided by this Agreement. Construction Manager shall be responsible for safeguarding all Owner Direct Purchase Materials on the Project site on Owner's behalf.

3.6.4 If Owner elects to purchase any Owner Direct Purchase Materials, it shall so notify the Construction Manager and the Construction Manager shall thereafter promptly furnish to the Owner, at least fourteen (10) days prior to the date such Owner Direct Purchase Materials must be ordered, a direct purchase order request on Florida Poly DPO form reflecting the approved Owner Direct Purchase Materials. A change order shall be executed both to reduce the Guaranteed Maximum Price by the amount(s) being directly purchased including related sales tax. The sales tax will remain in the GMP and be moved to Owner contingency once the DPO has been paid in full. In addition, the Construction Manager shall reduce the applicable Subcontractor's subcontract amount by the cost of the Owner Direct Purchase Materials and sales tax related thereto on the next application for payment following the change order execution to reduce the Guaranteed Maximum Price.

3.6.5 Reporting. The Construction Manager shall provide a monthly report **on Thumb-Drive** summarizing the progress of the Project to the Owner, Professional, and Owner's user group representatives, including information on the subcontractors' Work, percentage of completion of the Work, current estimating, subcontract buyouts, updated monthly Critical Path Method scheduling unless stated otherwise in Exhibit F and Project accounting reports, including projected time to completion and estimated cost to complete the Work, LEED status, digital progress photographs, project directory, logs for Requests for Information, submittals and shop drawings, Change Orders, cost change proposals, field directives, safety meetings, deficiencies, weather conditions and meeting minutes. Owner recognizes that the Design Professional is ultimately responsible for the administration and submittal of all documentation provided by the Construction Manager and required by the U.S. Green Building Council for LEED certification.

ARTICLE 4 COMPENSATION OF CONSTRUCTION MANAGER

4.1 Payment for Pre-Construction Services. The Owner agrees to pay the Construction Manager, and the Construction Manager shall accept as complete payment for performance of Pre–Construction Services, the fee set forth on **Exhibit E**, payable pursuant to the schedule set forth thereon.

4.2 Payment for Construction Services.

4.2.1 The Owner shall pay, and the Construction Manager shall accept, as full and complete payment for the Construction Services, only the sum of the following items, which sum shall not exceed the GMP:

(i) the aggregate net cost directly paid by the Construction Manager to subcontractors pursuant to written subcontracts to perform the Work (CSI Divisions 2–17) (the "Cost of the Work"), not to exceed the guaranteed maximum set forth on **Exhibit D**;

(ii) the compensation for the Construction Manager's provision of management services (the "Construction Manager's Staffing Costs"), not to exceed the guaranteed maximum set forth on **Exhibit D**;

(iii) the aggregate net cost of the Construction Manager's General Conditions (the "General Conditions Cost"), not to exceed the guaranteed maximum set forth on **Exhibit D** and paid for actual cost incurred during the construction period; and

(iv) Construction Manager's Overhead and Profit, not to exceed the guaranteed maximum set forth on Exhibit D.

4.2.2 Staffing Costs. Construction Manager's Staffing Costs include and are limited to actual expenditures or negotiated amounts for the following items as authorized in the GMP Proposal approved by Owner

(i) the cost of its supervisory, technical, administrative and clerical personnel engaged in supervision and management of the Work on the Project Site;

(ii) the cost of periodic site visits for supervision, inspection, oversight, or management of the Project by specific "home office" personnel as agreed upon and identified in the GMP proposal;

(iii) direct costs incurred in the Work with the exception of those specifically enumerated compensable as a General Conditions Cost or a Cost of the Work;

(iv) reasonable expenses for transportation, meals, and temporary lodging of principals and employees when traveling in connection with services and duties specifically related to this Project, at the rates set forth as specified in §112.061, Florida Statutes, for meals and transportation. In accordance with Owner travel policy, when the single room rate exceeds $150 per night, a written justification explaining why a more economical room was not used is required. Justification must be accompanied by a comparison of other comparable hotel rates in the same area;

(v) expenses incurred for relocation and temporary living allowances of personnel required for the Work, if required by the Project; and

(vi) any costs or expenses incurred by the Construction Manager, not included in the General Conditions Cost, for provision of management services necessary to complete the Project in an expeditious and economical manner consistent with the Contract for Construction and the best interests of Owner.

4.2.3 General Conditions Costs. General Conditions costs include and are limited to actual expenditures or negotiated amounts for the following items as authorized in the GMP Proposal approved by Owner:

(i) costs, including transportation and storage, installation, maintenance, dismantling and

removal of materials, supplies, temporary facilities, machinery, equipment, and hand tools not customarily owned by construction workers, that are provided by the Construction Manager at the site and fully consumed in the performance of the Work; and cost (less salvage value) of such items if not fully consumed, whether sold to others or retained by the Construction Manager. Cost for items previously used by the Construction Manager shall mean fair market value;

(ii) costs incurred to provide site safety;

(iii) costs of removal of debris from the site;

(iv) costs of document reproduction including bid sets, facsimile transmissions and long–distance telephone calls, postage and parcel delivery charges, telephone service at the site and reasonable petty cash expenses of the site office;

(v) that portion of insurance and bond premiums directly attributable to this Contract for Construction. Premiums shall be net of trade discounts, volume discounts, dividends and other adjustments;

(vi) sales, use, or similar taxes imposed by a governmental authority and paid by the Construction Manager, and directly related to the Work;

(vii) fees and assessments for the building permit and for other permits, licenses and inspections for which the Construction Manager is required by the Contract for Construction to pay, including deposits lost for causes other than Construction Manager's fault;

(viii) data processing costs directly related to the Work and as approved by Owner in writing;

(ix) the cost of obtaining and using all utility services required for the Work;

(x) the cost of crossing or protecting any public utility, if required, and as directed by the Owner;

(xi) all reasonable costs and expenditures necessary for the operation of the Site office, such as stationary, supplies, furniture, fixtures, office equipment and field computer services provided that quantity and rates are subject to Owner's prior written approval;

(xii) the cost of secure off–site storage space or facilities approved in advance by Owner;

(xiii) printing and reproduction of the Construction Documents;

(xiv) rental charges for temporary facilities, and for machinery, equipment, and tools not customarily owned by construction workers; however any rental charge shall not exceed the purchase price of such facilities, machinery, equipment or tools;

(xv) cost of surveys, measurements and layout work reasonably required for the execution of the Work or by the Construction Documents; and

(xvi) other expenses or charges properly incurred and paid in the prosecution of the Work, with the prior written approval of the Owner.

4.2.4 Construction Manager's Overhead and Profit. The Construction Manager's Overhead and Profit is a fixed percentage of the (i) Guaranteed Maximum Cost of the Work, (ii) Construction Manager's Contingency, (iii) Guaranteed Maximum Construction Manager Staffing Costs and (iv) Guaranteed Maximum General Conditions Cost (excluding bond and insurance costs), as agreed upon in **Exhibit D**. Overhead and Profit covers the costs of all of Construction Manager's overhead and expenses related to the Work, including home or branch office employees or consultants not at the Project Site, except those staffing costs paid pursuant to Section 4.2.2(ii) and general operating expenses of the Construction Manager's principal and branch offices related to the Work (non–field offices), such as telegrams, telephone service and long–distance and zone telephone charges, postage, office supplies, expressage, and other similar expenses.

4.2.5 Construction Manager's Contingency.

4.2.5.1 The Construction Manager's Contingency, established in the GMP, may be utilized, with the Owner's concurrence, via "no cost" change order for the following reasons:

(i) Errors and omissions in the Construction Manager's bidding and scoping processes;

(ii) reasonable schedule recovery;

(iii) means, methods, and materials reasonably inferred from the Construction Documents;

(iv) subcontractor non–performance or default;

(v) Work not included in the Construction Documents which is necessary to cause the Project to conform to applicable building codes but was not identified as missing during the review of Construction Documents (through no fault of the Construction Manager);

(vi) other costs incurred by the Construction Manager that are not Cost of the Work,

General Conditions Cost or Construction Manager Staffing Costs; and

(vii) costs and expenses incurred by the Construction Manager, not included in the General Conditions Cost, for provision of management services necessary to complete the Project in an expeditious and economical manner consistent with this Agreement and the best interests of Owner.

(viii) legal costs reasonably and properly resulting from prosecution of the Project for the Owner, including handling claims for changes by Subcontractors and Vendors, subject to the following limitations:

(a) The Owner approved incurring such cost in advance, which approval shall not be unreasonably denied; and

(b) The legal costs were not incurred as a result of the Construction Manager's own negligence or default.

This paragraph does not provide for payment of legal cost incurred in preparing or asserting claim or request by Construction Manager itself for change orders or in enforcing the obligations of this contract.

4.2.5.2 If upon completion of 75% of the Work, the remaining amount of contingency exceeds one– half of the amount of the initial post–buyout contingency, Owner may make a request to Construction Manager to transfer such excess including related overhead and profit via change order to the Owner and upon mutual agreement Construction Manager may transfer such excess or another mutually agreed upon amount to Owner.

4.2.6 Buyout Savings.

(i) If Construction Manager receives bids for portions of the Work which are less than the amounts budgeted in the GMP proposal approved by Owner for such portions of the Work, such buyout savings shall first be utilized to offset shortfalls on other bid packages.

(ii) If, after offsetting any shortfalls, buyout savings remain, at the time provided on **Exhibit D** for the award of subcontracts, Owner may, at its sole discretion, direct Construction Manager to return all buyout savings including related overhead and profit to the Owner via "no cost" change order.

4.2.7 Use of Buyout Savings Sales Tax Savings. The net amount of buyout savings and savings from Owner's purchase of Direct Purchase Materials may be utilized by the Owner for the following or other reasons:

(i) customer or designer–requested changes;

(ii) additive bid alternates and deductive credits;

(iii) design errors or omissions in the Construction Documents which were not detected by the Construction Manager through no fault of Construction Manager, including Work necessary to cause the Project to conform to applicable building codes;

(iv) differing unforeseen existing conditions, as permitted in the General Terms and Conditions;

(v) retained by Owner for future projects and not part of this contract.

4.2.8 Compensation for Change Orders. Construction Manager shall be entitled to compensation for Additional Services it provides, at the amounts agreed to by Construction Manager and Owner, in writing, prior to performing such additional services. Amounts owed by the Owner to the Construction Manager shall be adjusted by duly authorized change order in accordance herewith and the General Terms and Conditions. Upon performance of additional services, Construction Manager shall submit to Owner an Application for Payment with each additional service identified beneath the basic service milestones, or on a continuation page as required, associated monetary value, and appropriate back–up documentation in preparation for an audit thereof. In addition to Change Orders for Additional Services, Construction Manager shall be entitled to submit a request for an equitable adjustment to the GMP for impacts beyond its reasonable control, such as: (i) delays beyond Construction Manager's reasonable control, so long as CM is otherwise in compliance with all responsibilities and obligations on the Project (ii) a change in applicable law, (iii) a written interpretation modifying the Contract Documents, and (iv) down time after an order from the Owner directing Construction Manager to stop the Work that is documented by Construction Manager and agreed-to by Owner as a construction delay.

4.2.8.1 Increase in Cost of Work. If the Cost of the Work is increased by change order, the Owner shall pay the Construction Manager the aggregate net cost directly paid by the Construction Manager to subcontractors or suppliers for the performance of the Work and the Construction Manager shall receive Overhead and Profit on such amount, as a percentage as set forth in **Exhibit E**, and an amount for any increased bond and insurance costs associated therewith.

4.2.8.2 Decrease in Cost of Work. If the Cost of the Work is decreased by change order, payment due from the Owner to the Construction Manager including related overhead and profit shall be reduced by the amount the Construction Manager is no longer obligated to pay subcontractors or suppliers for performance of the Work. Decreases in the Cost of the Work shall inure to the benefit of the Owner and shall not become part of the Construction Manager's Contingency.

4.2.8.3 Change Order Disputed. If the Construction Manager disputes a change order decision pursuant to the General Terms and Conditions, it must give the Owner its written notice of dispute, including the reasons therefore, within seven (7) calendar days of the disputed decision.

4.2.9 Applications for Payment for the Work. Applications for payment shall be submitted in detail sufficient for an audit thereof in accordance with Owner's policies on the subject in effect at the time Construction Manager commences construction. The Construction Manager's accounts receivable representative will coordinate with the Facilities Project Manager, (863) 874–8600, who is the University representative for processing accounts payable business documents, and prior to the first payment application, to assure the University receives the Division and Section data in an acceptable format following the Construction Specifications Institute (CSI) format, Divisions 1 – 17. Within twenty (20) days of receipt of the Construction Manager's application for payment, properly prepared pursuant to Owner's policies on the subject and request provided herein, the O w n e r shall pay the Construction Manager the amount approved by Professional, less retainage as defined in **Exhibit E**, unless there is a dispute about the amount of compensation due to the Construction Manager.

4.2.9.1 At Owner's discretion, retainage may be reduced at designated stage of completion as defined in **Exhibit E**.

4.3 Labor Burden. For purposes of calculating amounts due to Construction Manager under this Agreement for staffing, the parties agree that Construction Manager's labor burden for each employee staffing the Project shall be the labor burden approved by the Owner prior to, or upon execution of, this Agreement. For purposes hereof, labor burden means the actual cost of benefits and taxes that Construction Manager must pay or chooses to pay its employees and shall not include any profit, markup or expense unrelated to employee compensation. With respect to benefits Construction Manager chooses to pay, such benefits must be authorized by Owner under Owner's policy pertaining to labor burden in order to receive reimbursement from Owner.

4.4 Vendor Ombudsman. A Vendor Ombudsman has been established within the Owner's Office of Business Affairs. The duties of this individual include acting as an advocate for vendors who may be experiencing problems in obtaining timely payment(s) from the Owner. The Vendor Ombudsman may be contacted at 863–874–8432.

ARTICLE 5 LIQUIDATED DAMAGES FOR DELAY

5.1 Inasmuch as failure to Substantially Complete the Work within the time fixed on **Exhibit D** will result in injury to the Owner, and as damages arising from such failure cannot be calculated with any degree of certainty, it is agreed that if the Work is not Substantially Completed within the time provided on **Exhibit D**, or within such further time, if any, as shall be allowed for time extensions in accordance with the provisions of the Contract for Construction, the Construction Manager shall pay to the Owner as liquidated damages for such delay, and not as a penalty, the amount set forth in **Exhibit E** for each calendar day elapsing between the date fixed for Substantial Completion and the date such Substantial Completion is fully accomplished. The parties agree that said liquidated damages are reasonable given existing circumstances, including, without limitation, the range of harm that is foreseeable and the anticipation that proof of damages would be costly and impractical.

5.2 The liquidated damages shall be payable in addition to any excess expenses or costs payable by the Construction manager to the Owner under the General Terms and Conditions, and shall not preclude the recovery of damages by the Owner under other provisions of the Contract for Construction, except claims related to Construction Manager's delays in Substantial Completion. Owner's right to receive liquidated damages shall in no manner affect the Owner's right to terminate the Contract for Construction, as provided in the General Terms and Conditions or elsewhere in the Contract for Construction. The Owner's exercise of the right to terminate shall not release the Construction Manager from the obligation to pay said liquidated damages.

5.3 When the Owner reasonably believes (i) that Substantial Completion will be inexcusably delayed; or

(ii) that the Construction Manager will fail to achieve Final Completion by the date of Final Completion, the Owner shall be entitled, but not required, to withhold from any amounts otherwise due the Construction Manager the daily amount specified for liquidated damages in this Article for each calendar day of the unexcused delay. If and when the Construction Manager overcomes the delay in timely achieving Substantial Completion or Final Completion, or any part thereof, for which the Owner has withheld payment, the Owner shall promptly release to the Construction Manager those funds withheld, but no longer applicable, as liquidated damages.

ARTICLE 6 INSURANCE AND BONDS

6.1 The Construction Manager shall carry the insurance and payment and performance bonds described in the General Terms and Conditions.

ARTICLE 7 AUDIT RIGHTS

7.1 Owner may, upon reasonable notice, audit the records of its Construction Manager and its subcontractors and suppliers during regular business hours, during the term of this Agreement and for a period of three (3) years after final payment is made by Owner to Construction Manager under this Agreement or longer, if required by law. Such audits may be performed by an Owner's representative or an outside representative engaged by Owner. Once agreed upon by Owner and Construction Manager, any billable rates, fixed rates, percentages, or multipliers in the Contract Documents, including the GMP Proposal shall be auditable only to confirm their proper application and may not be audited to review or confirm their composition."

7.2 For purposes hereof, Construction Manager's "records" means any and all information, materials and data of every kind and character, whether hard copy or in electronic form, which may, in Owner's judgment have any bearing on or pertain to this Contract for Construction, including, without limitation, books, subscriptions, recordings, agreements, purchase orders, leases, contracts, commitments, arrangements, notes, daily diaries, written policies and procedures, time sheets, payroll registers, payroll records, cancelled payroll checks, subcontract files (e.g., including proposals of successful and unsuccessful bidders, bid recap), original estimates, estimating work sheets, correspondence, change order files (including documentation covering negotiated settlements), back–charge logs and supporting documentation, invoices and related payment documentation, general ledgers, records detailing cash and trade discounts earned, insurance rebates and dividends, superintendent reports, drawings, receipts, vouchers and memoranda.

7.3 Owner's authorized representative shall have reasonable access to the Construction Manager's facilities, shall be allowed to interview all current or former employees to discuss matters pertinent to this Contract for Construction, shall be provided adequate and appropriate work space at Construction Manager's facilities, may count employees at the Site, may be present for the distribution of payroll and shall have such other rights of access as may be reasonably necessary to carry out an audit.

7.4 If an audit discloses overpricing or overcharges, Construction Manager shall refund the overpayment. If an audit discloses overpricing or overcharges of one percent (1%) of the total amount paid hereunder, but in any event more than $200,000, whichever is less, in addition to making adjustments for the overcharges, the reasonable actual cost of the Owner's audit shall be reimbursed to the Owner by the Construction Manager. Any adjustments and for payments that must be made as a result of any such audit or inspection of the Construction Manager's invoices and for records shall be made within ninety (90) calendar days from presentation of Owner's findings to Construction Manager.

7.5 Construction Manager shall ensure notice of Owner's audit rights is provided to its subcontractors, suppliers and any other vendor providing services or materials for the Project and shall ensure that each agreement it enters into pursuant hereto includes the provisions

ARTICLE 8 MISCELLANEOUS PROVISIONS

8.1 The Owner and Construction Manager respectively, bind themselves, their partners, successors, assigns and legal representatives to the other party to this Agreement and to the partners, successors, assigns and legal representatives of such other party with respect to all covenants of this Agreement. Neither Owner nor Construction Manager shall assign this Agreement without the written consent of the other.

8.2 The Contract for Construction shall be governed by, and construed under, the laws of the State of Florida, without regard to its choice of law provisions and venue shall lie in the courts in Polk County, Florida.

8.3 The Construction Manager represents and warrants that it has not employed or retained any company or person (other than a bona fide employee working solely for the Construction Manager) to solicit or secure this Agreement, and that it has not paid or agreed to pay any person, company, corporation individual or firm (other than a bona fide employee working solely for the Construction Manager) any fee, commission, percentage, gift, or any other consideration contingent upon or resulting from the award or making of this Agreement.

8.4 This Agreement may be unilaterally canceled by the Owner for refusal by the Construction Manager to allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by the Construction Manager in conjunction herewith.

8.5 Owner's performance and obligation to pay hereunder is contingent upon an annual appropriation by the Legislature.

8.6 The Construction Manager warrants that it is not on the convicted vendor list for a public entity crime committed within the past thirty six (36) months. The Construction Manager further warrants that it will neither utilize the services of, nor contract with, any supplier, subcontractor, or consultant for an amount in excess of $15,000.00 in connection with this Project if the supplier, subcontractor or consultant has been placed on the convicted vendor list within the past thirty six (36) months.

8.7 All capitalized terms used herein but not defined herein shall have the meaning ascribed thereto in the General Terms and Conditions.

8.8 Owner is an equal opportunity institution and, as such, encourages the use of small businesses, including women and minority–owned small businesses in the provision of construction related services. Small businesses should have a fair and equal opportunity to compete for dollars spent by the University of West Florida to procure construction– related services. Competition ensures that prices are competitive and a broad vendor base is available. Construction Manager shall use good faith efforts to ensure opportunities are available to small businesses including women and minority–owned businesses on the Project.

8.9 Building information modeling (BIM) models will be made available to the Construction Manager as described in **Exhibit A.**

8.10 Construction Manager is an independent contractor to Owner.

8.11 All exhibits referenced herein are attached hereto and incorporated herein by reference.

8.12 Any modifications to this Agreement or the Contract for Construction are set forth on **Exhibit E.**

END

IN WITNESS WHEREOF, the parties have affixed their signatures, effective on the date first written above. FOR THE **CONSTRUCTION MANAGER:**

ATTEST:

(CORPORATE SEAL)

AS WITNESSED BY: Melanie Tavares

Skanska USA Building Inc.

BY: Chuck Jablon

NAME: Chuck Jablon

TITLE: Sr. VP Operations

DATE: 6/29/2018

FOR THE **OWNER:**

THE FLORIDA POLYTECHNIC UNIVERSITY BOARD OF TRUSTEES

AS WITNESSED BY:

Laura Marone
7-2-18

BY: M Ave

Dr. Randy Avent, President on behalf of the University Board of Trustees

DATE: 7/2/18

Approved as to form and legality:

7/2/18

FPU Attorney

EXHIBITS

The following exhibits will be created as a part of the final Agreement for Construction Manager Services.

Exhibit A – description of the project.

Exhibit B – preliminary schedule.

Exhibit C – project team of the Construction Manager.

Exhibit D – GMP approval, payments schedule and notice to proceed.

Exhibit E – LEED certification, logistics and the GMP proposal.

Exhibit F – modifications to the Agreement.

Exhibit G – Remaining terms under discussion

Exhibit H – Pre-Construction Proposal dated June 5, 2018.

Exhibit A

The project includes the construction of an approximately 85,000 square foot teaching lab and research facility building on the existing Florida Polytechnic University campus in Polk County, Florida. The design of the project will be further developed during the preconstruction phase and a more detailed description may be provided in a revised Exhibit A attached to a GMP Amendment.

Exhibit B

The preliminary schedule for preconstruction phase services by Construction Manager will be developed and incorporated into this agreement via a preconstruction services amendment. The construction phase schedule will be developed during the preconstruction phase and upon approval of a GMP Proposal will be incorporated into this agreement via a GMP Amendment.

Exhibit C

The following people will be included in Construction Manager's preconstruction services Project team:

- Chuck Jablon- Operations Principal
- Mark McLaughlin- Project Executive
- Paul Ventresca- Superintendent
- Bryan Ray- Assistant Superintendent
- Don Crotty- Lab Subject Matter Expert
- Kelsey Stein- Innovation & Technology Subject Matter Expert

Exhibit D

Exhibit D will be developed during the preconstruction services phase and will be attached to Construction Manager's GMP Proposal and upon approval will be incorporated into the agreement via GMP Amendment.

Exhibit E

Exhibit E will be developed during the preconstruction services phase and will be attached to Construction Manager's GMP Proposal and upon approval will be incorporated into the agreement via GMP Amendment.

Exhibit F

Exhibit F will be developed during the preconstruction services phase and will be attached to Construction Manager's GMP Proposal and upon approval will be incorporated into the agreement via GMP Amendment.

Exhibit “G”

Remaining Terms Under Discussion

Skanska USA Building Inc. (“Skanska") and Florida Polytechnic University Board of Trustees (“University”) mutually agree that the following terms in the Agreement for Construction Management Services (the "Agreement") will remain under discussion and will continue to be negotiated during the preconstruction phase as the cost impact of leaving these terms unrevised are explored and the associated risks associated with these terms are further defined.

(a) limiting the time-of-the-essence provision to specifically agreed-upon milestone dates for the Project;

(b) establishing that the liquidated damages may be subject to an aggregate cap;

(c) including consideration of a mutual waiver of consequential damages based on industry standard provisions;

(d) confirming that any final decisions made by the Architect with regard to interpretations of the Contract Documents during construction are ultimately subject to dispute resolution; and

(e) discussing whether implied warranties are appropriate in light of the express warranties and terms of the contract negotiated by the parties.

Exhibit H

Exhibit H will be developed through joint discussions and Construction Manager will submit a Preconstruction Services Proposal. Upon approval of the Preconstruction Services Proposal it will be incorporated into the agreement via a Preconstruction Services Amendment.

SKANSKA

Skanska USA Building Inc.
400 N Ashley Dr, Suite 400
Tampa, FL 33602
Phone 813.267.3857

June 08, 2021

Mr. David Calhoun
Florida Polytechnic University
4700 Research Way
Lakeland, Florida 33805

Re: Applied Research Center GMP 03 (Interior Build-out)

Dear Mr. Calhoun,

Skanska USA Building, Inc. is pleased to submit its Interior Build-out Component Guaranteed Maximum Proposal - "GMP 03" - for the above referenced project, which includes all scopes of work for this portion of the work.

This Component GMP Proposal Price totals Ten Million, One Hundred Fifty Two Thousand, Six Hundred Ninety One Dollars ($10,152,691).

In accordance with FPU's CM Guideline Preparation of GMP 03, we have included the following information in this deliverable:

- Description of Project and Authorization for Construction and Amendment (Exhibit A)
- Preliminary Schedule (Exhibit B)
- Proposed Project Team of Construction Manager (Exhibit C)
- GMP Approval, Payment Schedule and Notice to Proceed - Assumptions, Clarifications and Exclusions (Exhibit D)
- LEED Certification, Logistics and the GMP Proposal (Exhibit E)
- Modifications to the Agreement (Exhibit F)
- Remaining Terms Under Discussion (Exhibit G)
- FPU (Initial) Bid Tabulation Forms

FPU's Bid Award & Analysis Forms and Bid Award Summary Form will be submitted in the near future when subcontractor bid leveling and buy-out is complete.

We trust the information provided herein meets the requirements of Florida Polytechnic University, and we look forward to completing work on this exciting project.

Sincerely,

Mark McLaughlin
Project Executive

SKANSKA

Table of Contents

Executive Summary

The attached GMP 03 proposal is based upon the following documents:

- 100% Conformed Construction Documents dated March 09, 2020

The documents were prepared by HOK Architects and its respective consultants ("The Design Team"), and as identified on the document log provided in Exhibit A of this proposal with modifications set forth in Exhibit D and the Bid Package Specific Assumptions and Clarifications.

This GMP 03 Proposal consists of the following work scopes:

a. General Conditions and Requirements
b. General Requirements Trade Work
c. Site Remediation
d. Concrete (Sidewalks)
e. Polished Concrete
f. Ornamental Metals - Railings
g. Millwork – Finish Carpentry
h. Interior Glass & Glazing
i. Doors & Hardware
j. Loading Dock Equipment
k. Drywall (2nd Floor)
l. Acoustical Ceilings
m. Acoustical Drywall Ceilings
n. Painting
o. Flooring – Resilient & Carpet
p. Tiling & Terrazzo
q. Resinous Flooring
r. Specialties & Furnishings
s. Signage
t. Laboratory Casework
u. Window Treatment
v. Plumbing (Fixtures and Lab Equipment)
w. Electrical (Light Fixtures)
x. Communication & Security/Access Control
y. Landscape & Irrigation

The project schedule upon which this GMP Proposal is appended to this proposal. This GMP proposal is valid for a period of 30 days after the date of this GMP Proposal.

This GMP 03 Proposal is the final of the (3) incremental GMP proposals:

- GMP 1 Sitework/ Foundations/ Structure – executed 09.23.19 for $8,167,763
- GMP 2 MEPF & Exterior Skin – executed 02.26.20 for $17,690,275
  - PCO-05 Interior Framing & Plumbing – executed 06.17.20 for $2,478,145
  - PCO-011 Level 1 Drywall – executed 04.19.21 for $1,126,657
- GMP 3 Interior Build-Out

This proposal includes the cost of all documents, logistics plans and project schedule in the GMP 03 value of $10,152,691. This amends the current Applied Research Center value to $39,615,531.

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Sincerely,

Mark McLaughlin
Project Executive

EXHIBIT A

PROJECT DESCRIPTION AND AUTHORIZATION FOR CONSTRUCTION AND AMENDMENT

Description of Project

FPU Project No: PC55327
FPU Project Name: Applied Research Center
Locations/Address: 4400 Polytechnic Circle
Description/Scope: New Teaching and Research Facility

The Project consists of the new construction of a 2 story - 95,000 GSF Laboratory, Office and Classroom building on the Florida Polytechnic University campus in Lakeland, FL. The project is known as the Applied Research Center and will offer a similar level of visual interest as the signature IST Building, which it is located adjacent to. There will be a high level of technology integration, flexibility of systems, and the need for attentiveness to architectural details.
Skanska USA Building, Inc. ("Skanska") shall act as the Construction Manager for the Project and coordinate the work of multiple subcontractors in order to complete the structure of the building. The scope of construction within Skanska's GMP 03 is limited to the work necessary to facilitate a complete interior build-out of the Applied Research Center, per the list of documents shown below.

Florida Polytechnic University ("FPU") has engaged the services of HOK, Inc. to provide the design and Contract Administration Services as the "Architect" as defined in the Contract Documents.

1.6/3.3 Documents, Conditions, and Guidelines

1. Owner's policies and project management guides listed under 'Forms & Standards'.
   To the extent that any requirements impact Skanska or its subcontractors as a result of policies or procedures that were not previously provided to Skanska notice will be provided.
2. Plans, Specifications, and attachments as listed in this proposal
3. Exclusions, Qualifications, and Assumptions included in this proposal
4. Skanska's Project Schedule included in this proposal
5. Skanska's Logistics Plan included in this proposal

This Authorization for Construction and Amendment to Agreement is made and entered into as of this 29th day of June, 2021 by and between The Florida Polytechnic University Board of Trustees ("Owner") and Skanska USA Building Inc. ("Construction Manager"),

WITNESSETH:

Whereas, the parties entered into an Agreement for Construction Manager Services dated July 2, 2018 for construction of the Project (the "Agreement");

Whereas, the Project is an **95,000 square foot teaching lab and research facility building commonly referred to as the Applied Research Center (ARC)**;

Whereas, the Project is being performed in phases as permitted by the Agreement;

Whereas, the Owner has executed Phase 1 on September 23, 2019 and Phase 2 on February 26, 2020;

Whereas, Owner desires to authorize Construction Manager to commence Phase 3 of the Project; and

Whereas, the Owner and Construction Manager desire to finalize Exhibits A through F to the Agreement and incorporate them into the Agreement as contemplated by the Agreement.

NOW THEREFORE, for and in consideration of the covenants contained herein the parties agree as follows:

1. **Component GMPs.** At Owner's request, the Construction Manager is preparing proposed GMP Amendments in components starting with an early release package, a Component Guaranteed Maximum Price ("Component GMP"), which shall be calculated and administered hereunder in the same manner as the GMP. As each Component GMP is signed by the parties, the costs and time thereunder shall be combined, as appropriate, so that there is a single GMP and only one Required Substantial Completion Date and Required Final Completion Date. Component GMPs shall not create a "line-item GMP" with respect to each component of the Work. Nor shall Component GMPs create multiple completion dates for purposes of calculating liquidated damages or otherwise.

2. **Final Exhibits**. Exhibits A, B, C, D, E, and F, attached hereto and incorporated herein by reference are the final exhibits to the Agreement. This Authorization for Construction and Amendment shall serve as Exhibit A to the Agreement. Exhibit G is hereby deleted and shall have no force or effect.

3. **Phase 3 of the Work**. Construction Manager shall commence Phase 3 (drywall, concrete polishing, flooring, painting, railings, millwork, interior glass, interior doors & hardware, ceilings, tiling, specialties, lab casework, signage, window treatments, communications & security, and landscape & irrigation) of the Work within ten (10) calendar days after the execution of GMP-03.

4. **Time for Performance**. The date of Substantial Completion shall be: **912 days from the date of execution of GMP 01.** The date of Final Completion shall be in accordance with the Project Schedule.

5. **Trade Contracts**. In accordance with Section 3.6.1.8 of the Agreement, the Construction Manager shall award Trade Contracts representing ninety percent (90%) or more of the Cost of the Work for Phase 3 within **ninety (90)** days of execution of GMP-03.

6. **GMP**. The Construction Manager's Guaranteed Maximum Price ("GMP") proposal dated June 08, 2021 **for Phase 3 of the Work,** attached hereto and incorporated herein, is accepted by the Owner. The elements of the GMP as described in Section 3.5.1 (ii) of the Agreement are as found in Exhibit D.

7. **Ratification**. Except as modified hereby, all of the terms, covenants, and conditions of the Agreement shall remain in full force and effect and are hereby ratified and affirmed.

8. **Conflict**. In the event of a conflict between the terms of this Amendment and the Contract for Construction, the terms of this Amendment shall control.

9. **Capitalized Terms**. All capitalized terms used herein but not expressly defined herein shall have the meaning ascribed thereto in the Agreement.

Choice of Law and Venue. This Authorization for Construction and Amendment and any further amendments to the Agreement are governed by the law of Florida. Venue for any action arising from this Authorization for Construction and Amendment or any successive amendment will be exclusively in the state courts of Polk County, Florida.

IN WITNESS WHEREOF, the parties have affixed their signatures, effective on the date first written above.

UNIVERSITY:

The Florida Polytechnic University

Board of Trustees

_____

Signature

_____

Print Name

_____

Date

CONTRACTOR:

Skanska USA Building, Inc.

_____

DocuSigned by:
Michael C. Brown
277A3B9F7E99482...

Signature

Michael C. Brown

Print Name EVP

June 22, 2021

Date

Approved as to form and legality:

By: _____
FPU Attorney

Date: _____

Approved by University Board of Trustees

DATE: _____

DRAWINGS & SKETCHES, SPECIFICATIONS, ADDENDA and OTHER DOCUMENTS

The Contract Documents include the following documents:

Drawings & Sketches

Drawing or Sketch No.	Description	Rev No.	Date
	GENERAL		
G000	COVER SHEET	100% CD	3/9/2020
G001	DRAWING INDEX	100% CD	3/9/2020
G002	GENERAL NOTES, ABBREVIATION, SYMBOLS & LOCATION MAP	100% CD	3/9/2020
G004	RESTROOM AND MOUNTING HEIGHT DIAGRAMS	RFI 212	9/24/2020
G005	REGULATORY SIGNAGE DIAGRAMS	100% CD	3/9/2020
G010	CODE SUMMARY	100% CD	3/9/2020
G011	CODE SUMMARY	100% CD	3/9/2020
G101	LIFE SAFETY PLAN – LEVEL 1	100% CD	3/9/2020
G102	LIFE SAFETY PLAN – LEVEL 2	100% CD	3/9/2020
G201	EGRESS PLAN – LEVEL 1	RFI 268	12/24/2020
G202	EGRESS PLAN – LEVEL 2	RFI 268	12/24/2020
	CIVIL		
C001	EXISTING CONDITIONS MAP	100% CD	3/9/2020
C002	DEMO & EROSION CONTROL PLAN	100% CD	3/9/2020
C003	SITE PLAN	RFI 133	5/21/2020
C004	PAVING, GRADING & DRAINAGE PLAN	100% CD	3/9/2020
C005	UTILITY PLAN	RFI 133	5/21/2020
C006	GENERAL CONSTRUCTION DETAILS & NOTES	100% CD	3/9/2020
C007	CITY OF LAKELAND UTILITY NOTES	100% CD	3/9/2020
C008	WATER DETAILS	100% CD	3/9/2020
C009	WASTEWATER DETAILS	100% CD	3/9/2020
C010	STORM WATER POLLUTION PREVENTION PLAN	100% CD	3/9/2020
	LANDSCAPE		
L100	SITE PLAN	100% CD	3/9/2020
L101	ENTRY PLAZA ENLARGEMENT	100% CD	3/9/2020
L102	SIDE ENTRANCE ENLARGEMENTS	100% CD	3/9/2020
L140	SITE DETAILS	100% CD	3/9/2020
L300	SOILS PLAN	100% CD	3/9/2020
L301	PLANTING PLAN	100% CD	3/9/2020

L340	PLANTING DETAILS	100% CD	3/9/2020
L341	PLANTING DETAILS	100% CD	3/9/2020
L400	IRRIGATION PLAN	100% CD	3/9/2020
L440	IRRIGATION DETAILS	100% CD	3/9/2020
	STRUCTURAL		
S001	GENERAL STRUCTURAL NOTES	100% CD	3/9/2020
S102	THRESHOLD INSPECTION PLAN	100% CD	3/9/2020
S103	STRUCTURAL SYMBOLS AND NOTATIONS	100% CD	3/9/2020
S104	CLASSES OF CONCRETE MATRIX AND COVER REQUIREMENTS	100% CD	3/9/2020
S105	GENERAL REINFORCEMENT INFORMATION	100% CD	3/9/2020
S121	LOAD KEY PLANS	100% CD	3/9/2020
S130	COMPONENTS AND CLADDING WIND PRESSURE DIAGRAMS	100% CD	3/9/2020
S131	COMPONENTS AND CLADDING WIND PRESSURE ELEVATIONS	100% CD	3/9/2020
S141	3D REPRESENTATIONS	100% CD	3/9/2020
S201	FOUNDATION PLAN	RFI 133	5/26/2020
S201A	FOUNDATION PLAN – LEVEL 1A (PARTIAL PLAN)	100% CD	3/9/2020
S201B	FOUNDATION PLAN – LEVEL 1B (PARTIAL PLAN)	100% CD	3/9/2020
S201C	FOUNDATION PLAN – LEVEL 1C (PARTIAL PLAN)	100% CD	3/9/2020
S201D	FOUNDATION PLAN – LEVEL 1D (PARTIAL PLAN)	100% CD	3/9/2020
S201E	FOUNDATION PLAN – LEVEL 1E (PARTIAL PLAN)	100% CD	3/9/2020
S202	SECOND FLOOR FRAMING PLAN	100% CD	3/9/2020
S202A	SECOND FLOOR – LEVEL 2A (PARTIAL PLAN)	100% CD	3/9/2020
S202B	SECOND FLOOR – LEVEL 2B (PARTIAL PLAN)	100% CD	3/9/2020
S202C	SECOND FLOOR – LEVEL 2C (PARTIAL PLAN)	100% CD	3/9/2020
S202D	SECOND FLOOR – LEVEL 2D (PARTIAL PLAN)	100% CD	3/9/2020
S202E	SECOND FLOOR – LEVEL 2E (PARTIAL PLAN)	100% CD	3/9/2020
S203	ROOF FRAMING PLAN	100% CD	3/9/2020
S203A	ROOF PLAN – AREA A (PARTIAL PLAN)	100% CD	3/9/2020
S203B	ROOF PLAN – AREA B (PARTIAL PLAN)	100% CD	3/9/2020
S203C	ROOF PLAN – AREA C (PARTIAL PLAN)	RFI 158	6/10/2020
S203D	ROOF PLAN – AREA D (PARTIAL PLAN)	100% CD	3/9/2020
S203E	ROOF PLAN – AREA E (PARTIAL PLAN)	100% CD	3/9/2020
S301	BRACED FRAME ELEVATIONS	100% CD	3/9/2020
S302	BRACED FRAME ELEVATIONS	100% CD	3/9/2020
S303	BRACED FRAME ELEVATIONS	100% CD	3/9/2020
S304	TRUSS ELEVATIONS	100% CD	3/9/2020
S401	FOUNDATION TYPICAL DETAILS	100% CD	3/9/2020
S402	FOUNDATION TYPICAL DETAILS	100% CD	3/9/2020
S411	FOUNDATION DETAILS	100% CD	3/9/2020
S412	FOUNDATON DETAILS	RFI 133	5/26/2020

S501	FRAMING TYPICAL DETAILS	100% CD	3/9/2020
S502	FRAMING TYPICAL DETAILS	100% CD	3/9/2020
S503	FRAMING TYPICAL DETAILS	100% CD	3/9/2020
S504	FRAMING TYPICAL DETAILS	100% CD	3/9/2020
S505	MASONRY TYPICAL DETAILS	100% CD	3/9/2020
S511	FRAMING DETAILS	100% CD	3/9/2020
S512	FRAMING DETAILS	100% CD	3/9/2020
S513	FRAMING DETAILS	100% CD	3/9/2020
S514	FRAMING DETAILS	100% CD	3/9/2020
S515	FRAMING DETAILS	100% CD	3/9/2020
S516	FRAMING DETAILS	100% CD	3/9/2020
S517	FRAMING DETAILS	100% CD	3/9/2020
S518	FRAMING DETAILS	100% CD	3/9/2020
S519	FRAMING DETAILS	100% CD	3/9/2020
S520	STAIR SECTIONS AND DETAILS	100% CD	3/9/2020
S530	ELEVATOR SECTIONS AND DETAILS	100% CD	3/9/2020
S540	CLADDING STEEL ELEVATIONS	100% CD	3/9/2020
S541	CLADDING STEEL ELEVATIONS	100% CD	3/9/2020
S542	CLADDING STEEL ELEVATIONS	100% CD	3/9/2020
S543	CLADDING STEEL ELEVATIONS	100% CD	3/9/2020
S550	TRUSS DETAILS	100% CD	3/9/2020
	ARCHITECTURAL		
A001	ARCHITECTURAL SITE PLAN	100% CD	3/9/2020
A002	BUILDING FOOTPRINT	RFI 133	5/22/2020
A003	BUILDING GEOMETRY PLAN	100% CD	3/9/2020
A005	RADON MITIGATION PLAN	100% CD	3/9/2020
A101	COMPOSITE PLAN – LEVEL 1	RFI 146	5/19/2020
A102	COMPOSITE PLAN – LEVEL 2	RFI 146	5/19/2020
A103	COMPOSITE PLAN – ROOF	100% CD	3/9/2020
A201A	FLOOR PLAN – LEVEL 1A (PARTIAL PLAN)	100% CD	3/9/2020
A201B	FLOOR PLAN – LEVEL 1B (PARTIAL PLAN)	100% CD	3/9/2020
A201C	FLOOR PLAN – LEVEL 1C (PARTIAL PLAN)	100% CD	3/9/2020
A201D	FLOOR PLAN – LEVEL 1D (PARTIAL PLAN)	RFI 146	5/19/2020
A201E	FLOOR PLAN – LEVEL 1E (PARTIAL PLAN)	100% CD	3/9/2020
A202A	FLOOR PLAN – LEVEL 2A (PARTIAL PLAN)	RFI 166	6/18/2020
A202B	FLOOR PLAN – LEVEL 2B (PARTIAL PLAN)	100% CD	3/9/2020
A202C	FLOOR PLAN – LEVEL 2C (PARTIAL PLAN)	RFI 205	10/23/2020
A202D	FLOOR PLAN – LEVEL 2D (PARTIAL PLAN)	RFI 197	8/20/2020
A202E	FLOOR PLAN – LEVEL 2E (PARTIAL PLAN)	100% CD	3/9/2020
A203A	ROOF PLAN – AREA A (PARTIAL PLAN)	100% CD	3/9/2020
A203B	ROOF PLAN – AREA B (PARTIAL PLAN)	100% CD	3/9/2020
A203C	ROOF PLAN – AREA C (PARTIAL PLAN)	100% CD	3/9/2020
A203D	ROOF PLAN – AREA D (PARTIAL PLAN)	100% CD	3/9/2020

A203E	ROOF PLAN – AREA E (PARTIAL PLAN)	100% CD	3/9/2020
A221	COMPOSITE FINISH PLAN – LEVEL 1	RFI 088	3/19/2020
A221A	FINISH PLAN – LEVEL 1A (PARTIAL PLAN)	RFI 088	3/19/2020
A221B	FINISH PLAN – LEVEL 1B (PARTIAL PLAN)	100% CD	3/9/2020
A221C	FINISH PLAN – LEVEL 1C (PARTIAL PLAN)	RFI 088	3/19/2020
A221D	FINISH PLAN – LEVEL 1D (PARTIAL PLAN)	RFI 088	3/19/2020
A221E	FINISH PLAN – LEVEL 1E (PARTIAL PLAN)	100% CD	3/9/2020
A222	COMPOSITE FINISH PLAN – LEVEL 2	RFI 088	3/19/2020
A222A	FINISH PLAN – LEVEL 2A (PARTIAL PLAN)	100% CD	3/9/2020
A222B	FINISH PLAN – LEVEL 2B (PARTIAL PLAN)	100% CD	3/9/2020
A222C	FINISH PLAN – LEVEL 2C (PARTIAL PLAN)	RFI 088	3/19/2020
A222D	FINISH PLAN – LEVEL 2D (PARTIAL PLAN)	RFI 088	3/19/2020
A222E	FINISH PLAN – LEVEL 2E (PARTIAL PLAN)	RFI 088	3/19/2020
A231	LEVEL 1 FURNITURE PLAN	100% CD	3/9/2020
A231A	FURNITURE PLAN – LEVEL 1A (PARTIAL PLAN)	100% CD	3/9/2020
A231B	FURNITURE PLAN – LEVEL 1B (PARTIAL PLAN)	100% CD	3/9/2020
A231C	FURNITURE PLAN – LEVEL 1C (PARTIAL PLAN)	100% CD	3/9/2020
A231D	FURNITURE PLAN – LEVEL 1D (PARTIAL PLAN)	100% CD	3/9/2020
A231E	FURNITURE PLAN – LEVEL 1E (PARTIAL PLAN)	100% CD	3/9/2020
A232	LEVEL 2 FURNITURE PLAN	100% CD	3/9/2020
A232A	FURNITURE PLAN – LEVEL 2A (PARTIAL PLAN)	100% CD	3/9/2020
A232B	FURNITURE PLAN – LEVEL 2B (PARTIAL PLAN)	100% CD	3/9/2020
A232C	FURNITURE PLAN – LEVEL 2C (PARTIAL PLAN)	100% CD	3/9/2020
A232D	FURNITURE PLAN – LEVEL 2D (PARTIAL PLAN)	100% CD	3/9/2020
A232E	FURNITURE PLAN – LEVEL 2E (PARTIAL PLAN)	100% CD	3/9/2020
A301	COMPOSITE REFLECTED CEILING PLAN – LEVEL 1	RFI 114	4/9/2020
A301A	REFLECTED CEILING PLAN – LEVEL 1A (PARTIAL PLAN)	RFI 114	4/9/2020
A301B	REFLECTED CEILING PLAN – LEVEL 1B (PARTIAL PLAN)	RFI 265	12/11/2020
A301C	REFLECTED CEILING PLAN – LEVEL 1C (PARTIAL PLAN)	100% CD	3/9/2020
A301D	REFLECTED CEILING PLAN – LEVEL 1D (PARTIAL PLAN)	RFI 161	6/15/2020
A301E	REFLECTED CEILING PLAN – LEVEL 1E (PARTIAL PLAN)	100% CD	3/9/2020
A302	COMPOSITE REFLECTED CEILING PLAN – LEVEL 2	100% CD	3/9/2020
A302A	REFLECTED CEILING PLAN – LEVEL 2A (PARTIAL PLAN)	RFI 270	12/30/2020
A302B	REFLECTED CEILING PLAN – LEVEL 2B (PARTIAL PLAN)	100% CD	3/9/2020
A302C	REFLECTED CEILING PLAN – LEVEL 2C (PARTIAL PLAN)	100% CD	3/9/2020
A302D	REFLECTED CEILING PLAN – LEVEL 2D (PARTIAL PLAN)	100% CD	3/9/2020

A302E	REFLECTED CEILING PLAN – LEVEL 2E (PARTIAL PLAN)	RFI 270	12/30/2020
A401	ENLARGED STAIR PLAN	100% CD	3/9/2020
A402	ENLARGED STAIR PLAN	RFI 197	8/20/2020
A421	ENLARGED ELEVATOR HOISTWAY PLAN	RFI 205	10/23/2020
A422	ENLARGED ELEVATOR PLAN & ELEVATIONS	RFI 205	10/23/2020
A431	ENLARGED RESTROOM PLAN	RFI 212	9/24/2020
A433	ENLARGED PLANS	100% CD	3/9/2020
A501	AXONOMETRIC	100% CD	3/9/2020
A502	AXONOMETRIC	100% CD	3/9/2020
A503	NORTH AND SOUTH ELEVATIONS	100% CD	3/9/2020
A504	EAST AND WEST ELEVATION	RFI 242	10/26/2020
A505	PARTIAL EXTERIOR ELEVATION – NORTH	100% CD	3/9/2020
A506	PARTIAL EXTERIOR ELEVATION – ENTRY PLAZA	RFI 242	10/26/2020
A507	PARTIAL EXTERIOR ELEVATION – SOUTH – EAST	100% CD	3/9/2020
A521	CURTAIN WALL ELEVATIONS	100% CD	3/9/2020
A522	CURTAIN WALL ELEVATIONS	100% CD	3/9/2020
A523	CURTAIN WALL ELEVATIONS	RFI 117	4/14/2020
A524	CURTAIN WALL ELEVATIONS	RFI 117	4/14/2020
A541	ENVELOPE PANEL LAYOUT	100% CD	3/9/2020
A542	ENVELOPE PANEL LAYOUT	100% CD	3/9/2020
A543	ENVELOPE PANEL LAYOUT	100% CD	3/9/2020
A544	ENVELOPE PANEL LAYOUT	100% CD	3/9/2020
A545	UNFOLDED ENVELOPE PANEL LAYOUT	100% CD	3/9/2020
A546	UNFOLDED ENVELOPE PANEL LAYOUT	100% CD	3/9/2020
A559	ENVELOPE PANEL LAYOUT AND DETAILS	100% CD	3/9/2020
A560	LOUVER ELEVATIONS	100% CD	3/9/2020
A601	INTERIOR ELEVATIONS	100% CD	3/9/2020
A602	INTERIOR ELEVATIONS – RESTROOMS	100% CD	3/9/2020
A603	INTERIOR ELEVATIONS	RFI 216	10/26/2020
A605	INTERIOR GLAZING ELEVATIONS	100% CD	3/9/2020
A606	INTERIOR GLAZING ELEVATIONS	RFI 146	5/19/2020
A607	INTERIOR GLAZING ELEVATIONS	RFI 146	5/19/2020
A608	INTERIOR GLAZING ELEVATIONS	RFI 257	11/23/2020
A701	BUILDING SECTIONS	100% CD	3/9/2020
A702	BUILDING SECTIONS	100% CD	3/9/2020
A703	BUILDING SECTIONS	100% CD	3/9/2020
A711	WALL SECTIONS	RFI 270	12/30/2020
A712	WALL SECTIONS	100% CD	3/9/2020
A713	WALL SECTIONS	100% CD	3/9/2020
A714	WALL SECTIONS	100% CD	3/9/2020
A715	WALL SECTIONS	100% CD	3/9/2020
A716	WALL SECTIONS	RFI 103	4/14/2020
A717	WALL SECTIONS	100% CD	3/9/2020
A718	WALL SECTIONS	100% CD	3/9/2020

A720	WALL SECTIONS	100% CD	3/9/2020
A731	INTERIOR WALL SECTIONS	100% CD	3/9/2020
A732	INTERIOR WALL SECTIONS	100% CD	3/9/2020
A733	INTERIOR WALL SECTIONS	100% CD	3/9/2020
A734	INTERIOR WALL SECTIONS	100% CD	3/9/2020
A751	STAIR SECTIONS	RFI 114	4/9/2020
A752	STAIR SECTIONS	100% CD	3/9/2020
A801	PLAN DETAILS	100% CD	3/9/2020
A802	PLAN DETAILS	100% CD	3/9/2020
A803	PLAN DETAILS	RFI 161	6/15/2020
A804	PLAN DETAILS	100% CD	3/9/2020
A805	PLAN DETAILS	100% CD	3/9/2020
A806	PLAN DETAILS	100% CD	3/9/2020
A807	PLAN DETAILS	100% CD	3/9/2020
A812	ROOFING DETAILS	100% CD	3/9/2020
A821	SECTION DETAILS	RFI 270	12/30/2020
A822	SECTION DETAILS	100% CD	3/9/2020
A823	SECTION DETAILS	RFI 101	4/3/2020
A824	SECTION DETAILS	100% CD	3/9/2020
A825	SECTION DETAILS	100% CD	3/9/2020
A826	SECTION DETAILS	100% CD	3/9/2020
A827	SECTION DETAIL	100% CD	3/9/2020
A861	EXTERIOR DETAILS	100% CD	3/9/2020
A862	EXTERIOR DETAILS	100% CD	3/9/2020
A863	EXTERIOR DETAILS	RFI 101	4/3/2020
A864	EXTERIOR DETAILS	RFI 133	5/22/2020
A865	EXTERIOR DETAILS	100% CD	3/9/2020
A871	SAWTOOTH DETAIL	100% CD	3/9/2020
A872	SAWTOOTH DETAILS	100% CD	3/9/2020
A899	ENVELOPE MOCK-UP	100% CD	3/9/2020
A900	FINISH LEGEND	RFI 088	3/19/2020
A901	EQUIPMENT SCHEDULES	RFI 268	12/24/2020
A903	DOOR & HARDWARE SCHEDULE	RFI 214	9/23/2020
A904	DOOR & HARDWARE SCHEDULE	RFI 166	6/18/2020
A905	DOOR & HARDWARE SCHEDULE	100% CD	3/9/2020
A906	DOOR & FRAME TYPES	100% CD	3/9/2020
A907	HM FRAME, 2’ FACE, GWB PARITION DETAILS	100% CD	3/9/2020
A908	HM FRAME, HOLD OPEN DOOR	100% CD	3/9/2020
A909	AL FRAME DETAILS	100% CD	3/9/2020
A910	INTERIOR PARTITION TYPES	100% CD	3/9/2020
A911	INTERIOR PARTITION TYPES	100% CD	3/9/2020
A912	TYP INTERIOR GWB PTN HEAD DETAILS AT COMPOSITE DECK	100% CD	3/9/2020
A913	TYP INTERIOR GWB PTN HEAD DETAILS AT COMPOSITE DECK	100% CD	3/9/2020

A914	TYP SHAFTWALL HEAD DETAILS AT COMPOSITE DECK	100% CD	3/9/2020
A915	TYP INTERIOR GWB PTN DETAILS	100% CD	3/9/2020
A916	INTERIOR PLAN DETAILS	100% CD	3/9/2020
A917	INTERIOR PLAN DETAILS	100% CD	3/9/2020
A918	INTERIOR PLAN DETAILS	100% CD	3/9/2020
A919	DRINKING FOUNTAIN PLAN DETAILS	100% CD	3/9/2020
A920	INTERIOR DETAILS	100% CD	3/9/2020
A921	FLOOR TRANSITION DETAILS	100% CD	3/9/2020
A941	CEILING FRAMING DETAILS	100% CD	3/9/2020
A942	CEILING DETAILS	100% CD	3/9/2020
A943	CEILING DETAILS	RFI 114	4/9/2020
A944	CEILING DETAILS	100% CD	3/9/2020
A945	CEILING DETAILS	100% CD	3/9/2020
A946	CEILING DETAILS	RFI 270	12/30/2020
A951	EXIT STAIR DETAILS	100% CD	3/9/2020
A952	EXIT/COMMUNICATING STAIR DETAILS	100% CD	3/9/2020
A953	EXIT/COMMUNICATING STAIR DETAILS	100% CD	3/9/2020
A954	EXIT/COMMUNICATING STAIR DETAILS	100% CD	3/9/2020
A971	MILLWORK DETAILS	100% CD	3/9/2020
A972	MILLWORK DETAILS	100% CD	3/9/2020
A973	MILLWORK DETAILS	100% CD	3/9/2020
A974	MILLWORK DETAILS	100% CD	3/9/2020
	LAB EQUIPMENT		
QL001	DRAWING INDEX, GENERAL NOTES, SYMBOLS	100% CD	3/9/2020
QL003	TYPICAL CASEWORK – 1	100% CD	3/9/2020
QL004	TYPICAL CASEWORK – 2	100% CD	3/9/2020
QL005	TYPICAL CASEWORK – 3	100% CD	3/9/2020
QL007	TYPICAL CASEWORK – 4	100% CD	3/9/2020
QL101	COMPOSITE FLOOR PLAN – LEVEL 1	100% CD	3/9/2020
QL102	COMPOSITE FLOOR PLAN – LEVEL 2	100% CD	3/9/2020
QL401	ENLARGED PLAN – LEVEL 1 MACHINE SHOPS	100% CD	3/9/2020
QL402	ENLARGED PLAN – LEVEL 1 BOH	100% CD	3/9/2020
QL403	ENLARGED PLAN – LEVEL 1 WET LABS	RFI 216	10/26/2020
QL404	ENLARGED PLAN – LEVEL 2 RESEARCH LABS	100% CD	3/9/2020
QL601	INTERIOR LAB ELEVATIONS	100% CD	3/9/2020
QL602	INTERIOR LAB ELEVATIONS	100% CD	3/9/2020
QL603	INTERIOR LAB ELEVATIONS	100% CD	3/9/2020
QL604	INTERIOR LAB ELEVATIONS	RFI 216	10/26/2020
QL605	INTERIOR LAB ELEVATIONS	100% CD	3/9/2020
QL606	INTERIOR LAB ELEVATIONS	100% CD	3/9/2020
QL607	INTERIOR LAB ELEVATIONS	100% CD	3/9/2020
QL608	INTERIOR SHOP ELEVATIONS	100% CD	3/9/2020

QL901	TYPICAL LABORATORY DETAILS	100% CD	3/9/2020
QL902	MISCELLANEOUS LAB DETAILS	100% CD	3/9/2020
QL903	MISCELLANEOUS LAB DETAILS	100% CD	3/9/2020
	FIRE PROTECTION		
FP001	FIRE PROTECTION LEGEND, SYMBOLS AND ABBREVIATION	100% CD	3/9/2020
FP101	FIRE PROTECTION UNDERGROUND PLAN	100% CD	3/9/2020
FP201	FIRE PROTECTION FLOOR PLAN – LEVEL 1	100% CD	3/9/2020
FP202	FIRE PROTECTION FLOOR PLAN – LEVEL 2	100% CD	3/9/2020
	PLUMBING		
P001	PLUMBING LEGEND, SYMBOLS AND ABBREVIATIONS	100% CD	3/9/2020
P101	PLUMBING UNDERGROUND PLAN	100% CD	3/9/2020
P200A	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 0A	RFI 135	5/5/2020
P200B	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 0B	100% CD	3/9/2020
P200C	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 0C	100% CD	3/9/2020
P200D	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 0D	RFI 103	4/8/2020
P200E	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 0E	100% CD	3/9/2020
P201A	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 1A	RFI 135	5/5/2020
P201B	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 1B	100% CD	3/9/2020
P201C	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 1C	100% CD	3/9/2020
P201D	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 1D	RFI 103	4/8/2020
P201E	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 1E	100% CD	3/9/2020
P202A	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 2A	100% CD	3/9/2020
P202B	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 2B	100% CD	3/9/2020
P202C	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 2C	100% CD	3/9/2020
P202D	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 2D	100% CD	3/9/2020

P202E	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS LEVEL 2E	100% CD	3/9/2020
P203	PLUMBING FLOOR PLAN – GRAVITY SYSTEMS ROOF	100% CD	3/9/2020
P301A	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 1A	100% CD	3/9/2020
P301B	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 1B	100% CD	3/9/2020
P301C	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 1C	100% CD	3/9/2020
P301D	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 1D	RFI 103	4/8/2020
P301E	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 1E	100% CD	3/9/2020
P302A	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 2A	100% CD	3/9/2020
P302B	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 2B	100% CD	3/9/2020
P302C	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 2C	100% CD	3/9/2020
P302D	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 2D	100% CD	3/9/2020
P302E	PLUMBING FLOOR PLAN – PRESSURE SYSTEMS LEVEL 2E	100% CD	3/9/2020
P400	PLUMBING ENLARGED FLOOR PLANS	100% CD	3/9/2020
P401	PLUMBING ENLARGED LAB LEVEL 1 FLOOR PLANS	100% CD	3/9/2020
P402	PLUMBING ENLARGED LEVEL 2 FLOOR PLANS	100% CD	3/9/2020
P403	PLUMBING ENLARGED LEVEL 2 FLOOR PLANS	100% CD	3/9/2020
P505	PLUMBING PURE WATER SOURCE EQUIPMENT DIAGRAM	100% CD	3/9/2020
P506	PLUMBING PURE WATER FLOW DIAGRAM	100% CD	3/9/2020
P507	PLUMBING WASTE / VENT RISER DIAGRAM	100% CD	3/9/2020
P508	PLUMBING NATURAL GAS RISER DIAGRAM	100% CD	3/9/2020
P509	PLUMBING LAB WASTE / VENT RISER DIAGRAM	100% CD	3/9/2020
P510	PLUMBING STORM RISER DIAGRAM	100% CD	3/9/2020
P511	PLUMBING DOMESTIC WATER RISER DIAGRAM	100% CD	3/9/2020
P512	PLUMBING DOMESTIC WATER RISER DIAGRAM	100% CD	3/9/2020
P513	PLUMBING NATURAL GAS RISER DIAGRAM	100% CD	3/9/2020
P514	PLUMBING LAB AIR FLOW DIAGRAM	100% CD	3/9/2020
P515	PLUMBING LAB VACUUM FLOW DIAGRAM	100% CD	3/9/2020
P801	DETAILS	100% CD	3/9/2020
P802	DETAILS	100% CD	3/9/2020
P900	SCHEDULES	100% CD	3/9/2020

	MECHANICAL		
M001	LEGENDS, SYMBOLS AND ABBREVIATIONS	100% CD	3/9/2020
M101	MECHANICAL SITE PLAN	100% CD	3/9/2020
M201	DUCTWORK COMPOSITE PLAN – LEVEL 1	100% CD	3/9/2020
M201A	DUCTWORK FLOOR PLAN – LEVEL 1A	100% CD	3/9/2020
M201B	DUCTWORK FLOOR PLAN – LEVEL 1B	100% CD	3/9/2020
M201C	DUCTWORK FLOOR PLAN – LEVEL 1C	100% CD	3/9/2020
M201D	DUCTWORK FLOOR PLAN – LEVEL 1D	RFI 103	4/8/2020
M201E	DUCTWORK FLOOR PLAN – LEVEL 1E	100% CD	3/9/2020
M202	DUCTWORK COMPOSITE PLAN – LEVEL 2	100% CD	3/9/2020
M202A	DUCTWORK FLOOR PLAN – LEVEL 2A	100% CD	3/9/2020
M202B	DUCTWORK FLOOR PLAN – LEVEL 2B	100% CD	3/9/2020
M202C	DUCTWORK FLOOR PLAN – LEVEL 2C	100% CD	3/9/2020
M202D	DUCTWORK FLOOR PLAN – LEVEL 2D	100% CD	3/9/2020
M202E	DUCTWORK FLOOR PLAN – LEVEL 2E	100% CD	3/9/2020
M211	PIPING COMPOSITE FLOOR PLAN – LEVEL 1	100% CD	3/9/2020
M211A	PIPING FLOOR PLAN – LEVEL 1A	100% CD	3/9/2020
M211B	PIPING FLOOR PLAN – LEVEL 1B	100% CD	3/9/2020
M211C	PIPING FLOOR PLAN – LEVEL 1C	100% CD	3/9/2020
M211D	PIPING FLOOR PLAN – LEVEL 1D	100% CD	3/9/2020
M211E	PIPING FLOOR PLAN – LEVEL 1E	100% CD	3/9/2020
M212	PIPING COMPOSITE FLOOR PLAN – LEVEL 2	100% CD	3/9/2020
M212A	PIPING FLOOR PLAN – LEVEL 2A	100% CD	3/9/2020
M212B	PIPING FLOOR PLAN – LEVEL 2B	100% CD	3/9/2020
M212C	PIPING FLOOR PLAN – LEVEL 2C	100% CD	3/9/2020
M212D	PIPING FLOOR PLAN – LEVEL 2D	100% CD	3/9/2020
M212E	PIPING FLOOR PLAN – LEVEL 2E	100% CD	3/9/2020
M223	MECHANICAL COMPOSITE PLAN - ROOF	100% CD	3/9/2020
M223A	MECHANICAL ROOF PLAN – LEVEL 3A	100% CD	3/9/2020
M223C	MECHANICAL ROOF PLAN – LEVEL 3C	100% CD	3/9/2020
M401	ENLARGED MECHANICAL PLANS & SECTIONS – MER M102	100% CD	3/9/2020
M402	ENLARGED MECHANICAL PLANS & SECTIONS – MER M100	100% CD	3/9/2020
M501	AIR FLOW DIAGRAM	100% CD	3/9/2020
M502	CHILLED WATER FLOW DIAGRAM	100% CD	3/9/2020
M503	HEATING HOT WATER FLOW DIAGRAM	100% CD	3/9/2020
M701A	MECHANICAL CONTROLS DIAGRAM	100% CD	3/9/2020
M701B	MECHANICAL CONTROLS DIAGRAM	100% CD	3/9/2020
M702A	MECHANICAL CONTROLS DIAGRAM	100% CD	3/9/2020
M702B	MECHANICAL CONTROLS DIAGRAM	100% CD	3/9/2020
M703	MECHANICAL CONTROLS DIAGRAM	100% CD	3/9/2020
M704	MECHANICAL CONTROLS DIAGRAM	100% CD	3/9/2020
M705	MECHANICAL CONTROLS DIAGRAM	100% CD	3/9/2020

M706	MECHANICAL CONTROLS DIAGRAM	100% CD	3/9/2020
M707	MECHANICAL CONTROLS DIAGRAMS	100% CD	3/9/2020
M708	MECHANICAL CONTROLS DIAGRAMS	100% CD	3/9/2020
M709	MECHANICAL CONTROLS DIAGRAMS	100% CD	3/9/2020
M710	MECHANICAL CONTROLS DIAGRAMS	100% CD	3/9/2020
M711	MECHANICAL CONTROLS DIAGRAMS	100% CD	3/9/2020
M712	MECHANICAL CONTROLS DIAGRAMS	100% CD	3/9/2020
M801	MECHANICAL DETAILS	100% CD	3/9/2020
M802	MECHANICAL DETAILS	100% CD	3/9/2020
M803	MECHANICAL DETAILS	100% CD	3/9/2020
M901	MECHANICAL SCHEDULES	100% CD	3/9/2020
M902	MECHANICAL SCHEDULES	100% CD	3/9/2020
M903	MECHANICAL SCHEDULES	100% CD	3/9/2020
M904	MECHANICAL SCHEDULES	100% CD	3/9/2020
	ELECTRICAL		
E001	LEGEND, SYMBOLS AND ABBREVIATIONS	100% CD	3/9/2020
E101	UNDERGROUD	100% CD	3/9/2020
E102	POWER SITE PLAN	100% CD	3/9/2020
E103	LIGHTING SITE PLAN	100% CD	3/9/2020
E104	LIGHTNING PROTECTION PLAN	100% CD	3/9/2020
E201A	LIGHTING FLOOR PLAN – LEVEL 1A	100% CD	3/9/2020
E201B	LIGHTING FLOOR PLAN – LEVEL 1B	100% CD	3/9/2020
E201C	LIGHTING FLOOR PLAN – LEVEL 1C	RFI 165	6/24/2020
E201D	LIGHTING FLOOR PLAN – LEVEL 1D	RFI 103	4/8/2020
E201E	LIGHTING FLOOR PLAN – LEVEL 1E	100% CD	3/9/2020
E202A	LIGHTING FLOOR PLAN – LEVEL 2A	100% CD	3/9/2020
E202B	LIGHTING FLOOR PLAN – LEVEL 2B	100% CD	3/9/2020
E202C	LIGHTING FLOOR PLAN – LEVEL 2C	100% CD	3/9/2020
E202D	LIGHTING FLOOR PLAN – LEVEL 2D	100% CD	3/9/2020
E202E	LIGHTING FLOOR PLAN – LEVEL 2E	100% CD	3/9/2020
E211A	POWER FLOOR PLAN – LEVEL 1A	100% CD	3/9/2020
E211B	POWER FLOOR PLAN – LEVEL 1B	100% CD	3/9/2020
E211C	POWER FLOOR PLAN – LEVEL 1C	RFI 165	6/24/2020
E211D	POWER FLOOR PLAN – LEVEL 1D	100% CD	3/9/2020
E211E	POWER FLOOR PLAN – LEVEL 1E	100% CD	3/9/2020
E212A	POWER FLOOR PLAN – LEVEL 2A	100% CD	3/9/2020
E212B	POWER FLOOR PLAN – LEVEL 2B	100% CD	3/9/2020
E212C	POWER FLOOR PLAN – LEVEL 2C	RFI 171	7/1/2020
E212D	POWER FLOOR PLAN – LEVEL 2D	100% CD	3/9/2020
E212E	POWER FLOOR PLAN – LEVEL 2E	100% CD	3/9/2020
E213C	POWER ROOF PLAN	100% CD	3/9/2020
E221A	FIRE ALARM FLOOR PLAN – LEVEL 1A	100% CD	3/9/2020
E221B	FIRE ALARM FLOOR PLAN – LEVEL 1B	100% CD	3/9/2020

E221C	FIRE ALARM FLOOR PLAN – LEVEL 1C	100% CD	3/9/2020
E221D	FIRE ALARM FLOOR PLAN – LEVEL 1D	100% CD	3/9/2020
E221E	FIRE ALARM FLOOR PLAN – LEVEL 1E	100% CD	3/9/2020
E222A	FIRE ALARM FLOOR PLAN – LEVEL 2A	100% CD	3/9/2020
E222B	FIRE ALARM FLOOR PLAN – LEVEL 2B	100% CD	3/9/2020
E222C	FIRE ALARM FLOOR PLAN – LEVEL 2C	100% CD	3/9/2020
E222D	FIRE ALARM FLOOR PLAN – LEVEL 2D	100% CD	3/9/2020
E222E	FIRE ALARM FLOOR PLAN – LEVEL 2E	100% CD	3/9/2020
E401	ENLARGED LAB FLOOR PLANS – LEVEL 1	RFI 103	4/8/2020
E402	ENLARGED LAB FLOOR PLANS – LEVEL 1	100% CD	3/9/2020
E403	ENLARGED LAB FLOOR PLANS – LEVEL 2	100% CD	3/9/2020
E404	ENLARGED LAB FLOOR PLANS – LEVEL 2	100% CD	3/9/2020
E405	ENLARGED LAB FLOOR PLANS – LEVEL 2	100% CD	3/9/2020
E406	ENLARGED ELEC FLOOR PLANS	100% CD	3/9/2020
E501	POWER RISER DIAGRAM	100% CD	3/9/2020
E502	GROUNDING RISER DIAGRAM	100% CD	3/9/2020
E503	FIRE ALARM RISER DIAGRAM	100% CD	3/9/2020
E801	DETAILS	RFI 176	7/6/2020
E802	DETAILS	100% CD	3/9/2020
E803	DETAILS	100% CD	3/9/2020
E804	LIGHTING PROTECTION DETAILS	100% CD	3/9/2020
E901	POWER FEEDER & EQUIPMENT SCHEDULES	100% CD	3/9/2020
E902	SCHEDULE	RFI 165	6/24/2020
E903	PANEL SCHEDULES	100% CD	3/9/2020
E904	PANEL SCHEDULES	100% CD	3/9/2020
E905	PANEL SCHEDULES	100% CD	3/9/2020
E906	PANEL SCHEDULES	100% CD	3/9/2020
E907	PANEL SCHEDULES	100% CD	3/9/2020
E908	PANEL SCHEDULES	100% CD	3/9/2020
E909	PANEL SCHEDULES	100% CD	3/9/2020
E910	PANEL SCHEDULES	100% CD	3/9/2020
E911	PANEL SCHEDULES	100% CD	3/9/2020
E912	PANEL SCHEDULES	100% CD	3/9/2020
	TECHNOLOGY		
T001	TECHNOLOGY LEGEND, SYMBOLS AND ABBREVIATION	100% CD	3/9/2020
T101	TECHNOLOGY SITE PLAN	100% CD	3/9/2020
T201	TECHNOLOGY FLOOR PLAN – LEVEL 1 OVERALL	100% CD	3/9/2020
T201A	TECHNOLOGY FLOOR PLAN – LEVEL 1A	100% CD	3/9/2020
T201B	TECHNOLOGY FLOOR PLAN – LEVEL 1B	100% CD	3/9/2020
T201C	TECHNOLOGY FLOOR PLAN – LEVEL 1C	100% CD	3/9/2020
T201D	TECHNOLOGY FLOOR PLAN – LEVEL 1D	100% CD	3/9/2020
T201E	TECHNOLOGY FLOOR PLAN – LEVEL 1E	100% CD	3/9/2020

T202	TECHNOLOGY FLOOR PLAN – LEVEL 2 OVERALL	100% CD	3/9/2020
T202A	TECHNOLOGY FLOOR PLAN – LEVEL 2A	100% CD	3/9/2020
T202B	TECHNOLOGY FLOOR PLAN – LEVEL 2B	100% CD	3/9/2020
T202C	TECHNOLOGY FLOOR PLAN – LEVEL 2C	100% CD	3/9/2020
T202D	TECHNOLOGY FLOOR PLAN – LEVEL 2D	100% CD	3/9/2020
T202E	TECHNOLOGY FLOOR PLAN – LEVEL 2E	100% CD	3/9/2020
T401	TECHNOLOGY ENLARGED PLANS	100% CD	3/9/2020
T402	TECHNOLOGY ENLARGED PLANS	100% CD	3/9/2020
T501	TECHNOLOGY RISER DIAGRAMS	100% CD	3/9/2020
T801	TECHNOLOGY DETAILS	100% CD	3/9/2020
T802	TECHNOLOGY DETAILS	100% CD	3/9/2020
T803	TECHNOLOGY DETAILS	100% CD	3/9/2020
T901	TECHNOLOGY SCHEDULES	100% CD	3/9/2020
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TEAV000	AV INFRASTRUCTURE SYMBOLS AND NOTES	100% CD	3/9/2020
TEAV001	AV INFRASTRUCTURE STANDARD DETAILS	100% CD	3/9/2020
TEAV101A	AV INFRASTRUCTURE PLAN – LEVEL 1A	100% CD	3/9/2020
TEAV101B	AV INFRASTRUCTURE PLAN – LEVEL 1B	100% CD	3/9/2020
TEAV101C	AV INFRASTRUCTURE PLAN – LEVEL 1C	100% CD	3/9/2020
TEAV101D	AV INFRASTRUCTURE PLAN – LEVEL 1D	100% CD	3/9/2020
TEAV101E	AV INFRASTRUCTURE PLAN – LEVEL 1E	100% CD	3/9/2020
TEAV102A	AV INFRASTRUCTURE PLAN – LEVEL 2A	100% CD	3/9/2020
TEAV102B	AV INFRASTRUCTURE PLAN – LEVEL 2B	100% CD	3/9/2020
TEAV102D	AV INFRASTRUCTURE PLAN – LEVEL 2D	100% CD	3/9/2020
TEAV102E	AV INFRASTRUCTURE PLAN – LEVEL 2E	100% CD	3/9/2020
TEAV201B	AV INFRASTRUCTURE RCP – LEVEL 1B	100% CD	3/9/2020
TEAV201C	AV INFRASTRUCTURE RCP – LEVEL 1C	100% CD	3/9/2020
TEAV201D	AV INFRASTRUCTURE RCP – LEVEL 1D	100% CD	3/9/2020
TEAV202A	AV INFRASTRUCTURE RCP – LEVEL 2A	100% CD	3/9/2020
TEAV202B	AV INFRASTRUCTURE RCP – LEVEL 2B	100% CD	3/9/2020
TEAV301	AV INFRASTRUCTURE ELEVATION	100% CD	3/9/2020
TEAV302	AV INFRASTRUCTURE ELEVATION	100% CD	3/9/2020
TEAV350	AV INFRASTRUCTURE – ENLARGED PLANS	100% CD	3/9/2020
TEAV351	AV INFRASTRUCTURE – ENLARGED PLANS	100% CD	3/9/2020
TEAV352	AV INFRASTRUCTURE – ENLARGED PLANS	100% CD	3/9/2020
TEAV353	AV INFRASTRUCTURE – ENLARGED PLANS	100% CD	3/9/2020
TEAV354	AV INFRASTRUCTURE – ENLARGED PLANS	100% CD	3/9/2020
TEAV355	AV INFRASTRUCTURE – ENLARGED PLANS	100% CD	3/9/2020

Specifications

Specification Section	Description	Rev No.	Date
DIV 00	**PROCUREMENT AND CONTRACTING REQUIRMENTS**		
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01 74 19	CONSTRUCTION WASTE MANAGEMENT	100% CD	3/9/2020
01 75 50	AFFIDAVITS, BONDS AND GUARANTEES	100% CD	3/9/2020
01 77 00	CLOSEOUT PROCEDURES	100% CD	3/9/2020
01 78 23	OPERATION AND MANITENANCE DATA	100% CD	3/9/2020
01 78 39	PROJECT RECORD DOCUMENTS	100% CD	3/9/2020
01 78 39 .01	ELECTRONIC DATA TRANSFER AGREEMENT	100% CD	3/9/2020
01 79 00	DEMONSTRATION AND TRAINING	100% CD	3/9/2020
01 81 13	SUSTAINABLE DESIGN REQUIREMENTS	100% CD	3/9/2020
01 81 19	INDOOR AIR QUALITY REQUIREMENTS	100% CD	3/9/2020
01 91 13	GENERAL COMMISSIONING REQUIREMENTS	100% CD	3/9/2020

DIV 02	**EXISTING CONDITIONS**		
02 21 00	GROUND MODIFICATION -VIBROREPLACEMENT (STRUCTURAL)	100% CD	3/9/2020
DIV 03	**CONCRETE**		
03 10 00	CONCRETE FORMING AND ACCESSORIES (STRUCTURAL)	100% CD	3/9/2020
03 20 00	CONCRETE REINFORCING (STRUCTURAL)	100% CD	3/9/2020
03 30 00	CAST-IN-PLACE CONCRETE (STRUCTUAL)	100% CD	3/9/2020
03 35 43. 13	POLISHED & STAINED CONCRETE FLOOR FINISHING	100% CD	3/9/2020
DIV 04	**MASONRY**		
04 22 00	STRUCTURAL REINFORCED CONCRETE UNIT MASONRY	100% CD	3/9/2020
DIV 05	**METALS**		
05 05 13	SHOP APPLIED PRIMERS FOR METALS	100% CD	3/9/2020
05 12 00	STRUCTURAL STEEL FRAMING (STRUCTURAL)	100% CD	3/9/2020
05 31 00	STEEL DECKING (STRUCTURAL)	100% CD	3/9/2020
05 40 00	COLD-FORMED METAL FRAMING (STRUCTURAL)	100% CD	3/9/2020
05 50 00	METAL FABRICATIONS	100% CD	3/9/2020
05 51 00	METAL STAIRS	100% CD	3/9/2020
05 52 13	STAIR RAILINGS	100% CD	3/9/2020
05 53 00	METAL GRATINGS	100% CD	3/9/2020
05 71 00	DECORATIVE METAL STAIRS	100% CD	3/9/2020
05 73 00	GLAZED DECORATIVE METAL RAILINGS	100% CD	3/9/2020
DIV 06	**WOOD, PLASTICS, AND COMPOSITES**		
06 10 53	MISCELLANEOUS ROUGH CARPENTRY	100% CD	3/9/2020
06 16 00	SHEATHING	100% CD	3/9/2020
06 20 23	INTERIOR FINISH CARPENTRY	100% CD	3/9/2020
06 40 23	INTERIOR ARCHITECTURAL WOODWORK	100% CD	3/9/2020
DIV 07	**THERMAL AND MOISTURE PROTECTION**		
07 11 19	SELF-ADHERING SHEET WATERPROOFING	100% CD	3/9/2020
07 16 16	CRYSTALLINE WATERPROOFING	100% CD	3/9/2020
07 17 10	BENTONITE AND HYDROPHILIC WATERSTOPS	100% CD	3/9/2020
07 21 00	THERMAL AND ACOUSTIC INSULATION	100% CD	3/9/2020

07 24 19	WATER-DRAINAGE EXTERIOR INSULATION AND FINISH SYSTEMS (EFIS)	100% CD	3/9/2020
07 27 10	UNDER-SLAB VAPOR BARRIER	100% CD	3/9/2020
07 27 13	MODIFIED BITUMINOUS SHEET AIR BARRIERS	100% CD	3/9/2020
07 27 26	FLUID-APPLIED MEMBRANE AIR BARRIERS	100% CD	3/9/2020
07 42 13	ALUMINUM COMPOSITE PANELS	100% CD	3/9/2020
07 42 17	INSULATED – COMPOSITE BACKUP PANEL SYSTEM	100% CD	3/9/2020
07 42 47	ULTRA HIGH PERFORMANCE CONCRETE PANELS	100% CD	3/9/2020
07 54 16	KETONE ETHYLENE ESTER (KEE) ROOFING	100% CD	3/9/2020
07 56 00	(ALTERNATE) FLUID – APPLIED ROOFING	100% CD	3/9/2020
07 62 00	SHEET METAL FLASHING AND TRIM	100% CD	3/9/2020
07 65 00	FLEXIBLE FLASHING	100% CD	3/9/2020
07 71 00	ROOF SPECIALTIES	100% CD	3/9/2020
07 72 00	ROOF ACCESSORIES	100% CD	3/9/2020
07 81 00	APPLIED FIREPROOFING	100% CD	3/9/2020
07 81 23	INTUMESCENT FIREPROOFING	100% CD	3/9/2020
07 84 13	PENETRATION FIRESTOPPING	100% CD	3/9/2020
07 84 46	FIRE – RESISTIVE JOINT SYSTEMS	100% CD	3/9/2020
07 92 00	JOINT SEALANTS	100% CD	3/9/2020
DIV 08	**DOORS AND WINDOWS**		
08 11 13	HOLLOW METAL DOORS AND FRAMES	100% CD	3/9/2020
08 14 16	FLUSH WOOD DOORS	100% CD	3/9/2020
08 17 13	INTEGRATED METAL DOOR OPENING ASSEMBLIES	100% CD	3/9/2020
08 31 13	ACCESS DOORS AND FRAMES	100% CD	3/9/2020
08 33 13	COILING COUNTER DOORS	100% CD	3/9/2020
08 33 23	OVERHEAD COILING DOORS	100% CD	3/9/2020
08 41 13	ALUMINUM FRAMED ENTRANCES	100% CD	3/9/2020
08 41 26	ALL GLASS PARTITIONS AND ENTRANCES	100% CD	3/9/2020
08 44 23	STRUCTURAL SEALANT GLAZED CURTAIN WALLS	100% CD	3/9/2020
08 71 00	DOOR HARDWARE	100% CD	3/9/2020
08 71 13	AUTOMATIC DOOR OPERATORS	100% CD	3/9/2020
08 80 00	GLAZING	100% CD	3/9/2020
08 83 00	MIRRORS	100% CD	3/9/2020
08 90 00	LOUVERS AND VENTS	100% CD	3/9/2020
DIV 09	**FINISHES**		
09 21 00	GYPSUM BOARD ASSEMBLIES	100% CD	3/9/2020
09 21 23	GYPSUM BOARD SHAFT – WALL ASSEMBLIES	100% CD	3/9/2020
09 23 13	ACOUSTICAL PLASTER SYSTEM	100% CD	3/9/2020

09 30 00	TILING	100% CD	3/9/2020
09 51 13	ACOUSTICAL PANEL CEILINGS	100% CD	3/9/2020
09 53 23	METAL CEILING ASSEMBLIES	100% CD	3/9/2020
09 65 13	RESISLIENT BASE AND ACCESSORIES	100% CD	3/9/2020
09 65 19	RESILIENT TILE FLOORING	100% CD	3/9/2020
09 65 36	STATIC – CONTROL RESILIENT FLOORING	100% CD	3/9/2020
09 66 23	TERRAZZO FLOOR TILE	100% CD	3/9/2020
09 66 25	WATER VAPOR EMISSION CONTROL SYSTEM	100% CD	3/9/2020
09 67 23	RESINOUS FLOORING	100% CD	3/9/2020
09 68 13	TILE CARPETING	100% CD	3/9/2020
09 78 00	INTERIOR WALL PANELING	100% CD	3/9/2020
09 91 13	EXTERIOR PAINTING AND ELASTOMERIC COATINGS	100% CD	3/9/2020
09 91 23	INTERIOR PAINTING	100% CD	3/9/2020
09 93 00	INTERIOR CLEAR CONCRETE SEALANTS	100% CD	3/9/2020
09 96 00	HIGH PERFORMANCE COATINGS	100% CD	3/9/2020
DIV 10	**SPECIALTIES**		
10 11 01	VISUAL DISPLAY SURFACES	100% CD	3/9/2020
10 14 70	FIRE RESISTANCE ASSEMBLY IDENTIFICATION	100% CD	3/9/2020
10 21 13	TOILET COMPARTMENTS	RFI 99	3/31/2020
10 22 19	DEMOUNTABLE PARTITIONS	100% CD	3/9/2020
10 26 00	WALL AND DOOR PROTECTION	100% CD	3/9/2020
10 28 00	TOILET ACCESSORIES	100% CD	3/9/2020
10 41 16	EMERGENCY KEY STORAGE CABINET	100% CD	3/9/2020
10 44 00	FIRE PROTECTION SPECIALTIES	100% CD	3/9/2020
10 51 29	PHENOLIC LOCKERS	100% CD	3/9/2020
10 56 23	WIRE STORAGE SHELVING	100% CD	3/9/2020
10 56 26	MANUAL ASSIST MOBILE STORAGE CABINETS	100% CD	3/9/2020
DIV 11	**EQUIPMENT**		
11 13 00	LOADING DOCK EQUIPMENT	100% CD	3/9/2020
11 31 00	APPLIANCES	100% CD	3/9/2020
11 52 13	PROJECTION SCREENS	100% CD	3/9/2020
11 53 00	LABORATORY EQUIPMENT	100% CD	3/9/2020
11 53 13	LABORATORY FUME HOODS	100% CD	3/9/2020
11 53 19	LABORATORY STERILIZERS	100% CD	3/9/2020
11 35 55	LABORATORY SERVICE FITTING AND FIXTURES	100% CD	3/9/2020
11 53 53	BIOLOGICAL SAFETY CABINETS CLASS II A2	100% CD	3/9/2020
11 62 20	MODULAR EQUIPMENT WALL	100% CD	3/9/2020
11 81 23	FAÇADE ACCESS EQUIPMENT	100% CD	3/9/2020
DIV 12	**FURNISHINGS**		

12 24 13	ROLLER WINDOW SHADES	100% CD	3/9/2020
12 35 53	METAL LABORATORY CASEWORK	100% CD	3/9/2020
12 36 19	WOOD COUNTERTOPS	100% CD	3/9/2020
12 36 61	SOLID SURFACE AND SIMULATED STONE COUNTERTOPS	100% CD	3/9/2020
12 57 13	WELDING FUME EXHAUST SYSTEM	100% CD	3/9/2020
DIV 14	**CONVEYING SYSTEMS**		
14 21 00	MACHINE ROOM-LESS HOLE-LESS HYDRAULIC ELEVATORS	100% CD	3/9/2020
DIV 20	**MECHANICAL**		
20 00 00	GENERAL MECHANICAL REQUIREMENTS	100% CD	3/9/2020
20 05 13	MOTORS	100% CD	3/9/2020
20 05 14	VARIABLE FREQUENCY DRIVE (VFD) SYSTEM	100% CD	3/9/2020
20 05 20	EXCAVATION AND BACKFILL	100% CD	3/9/2020
20 05 29	PIPING AND EQUIPMENT SUPPORTING DEVICES	100% CD	3/9/2020
20 05 53	MECHANICAL SYSTEMS IDENTIFICATION	100% CD	3/9/2020
20 07 00	MECHANICAL SYSTEMS INSULATION	100% CD	3/9/2020
DIV 21	**FIRE SUPPRESSION**		
21 13 14	AUTOMATIC FIRE SPRINKLER	100% CD	3/9/2020
DIV 22	**PLUMBING**		
22 05 94	DOMESTIC WATER SYSTEMS BALANCE	100% CD	3/9/2020
22 11 18	WATER DISTRIBUTION SYSTEM	RFI 145	5/21/2020
22 13 14	SANITARY WASTE AND STORM DRAINAGE SYSTEMS	100% CD	3/9/2020
22 15 00	INDUSTRIAL COMPRESSED AIR SYSTEM	100% CD	3/9/2020
22 16 00	NATURAL GAS PIPING	100% CD	3/9/2020
22 21 14	PLUMBING SPECIALTIES	100% CD	3/9/2020
22 31 00	WATER CONDITIONING EQUIPMENT	100% CD	3/9/2020
22 33 14	WATER HEATING EQUIPMENT	100% CD	3/9/2020
22 40 00	PLUMBING FIXTURES	100% CD	3/9/2020
22 40 14	EQUIPMENT BY OTHERS	100% CD	3/9/2020
22 61 14	LABORATORY COMPRESSED AIR SYSTEM	CD (Permit)	11/1/2019
22 62 14	LABORATORY VACUUM PIPING SYSTEM	100% CD	3/9/2020
22 63 14	NITROGEN, CARBON DIOXIDE AND SPECIAL GAS PIPING	100% CD	3/9/2020

22 99 53	CORROSION RESISTANT WASTE AND VENT SYSTEM	100% CD	3/9/2020
22 67 14. 13	PLASTIC PIPING FOR HIGH PURITY SERVICE	100% CD	3/9/2020
22 67 20. 13	HIGH PURITY WATER SYSTEM	100% CD	3/9/2020
DIV 23	**HEATING, VENTILATING AND AIR CONDITIONING**		
23 00 00	GENERAL HVAC REQUIREMENTS	100% CD	3/9/2020
23 05 50	VIBRATION ISLOATION	100% CD	3/9/2020
23 05 94	WATER SYSTEMS TEST ADJUST BALANCE	100% CD	3/9/2020
23 05 95	AIR SYSTEMS TEST ADJUST BALANCE	100% CD	3/9/2020
23 09 01	CONTROL SYSTEMS INTEGRATION	100% CD	3/9/2020
23 09 02	CONTROL VALVES AND DAMPERS	100% CD	3/9/2020
23 09 03	CONTROL INSTRUMENTATION	100% CD	3/9/2020
23 09 23	DIRECT DIGITAL CONTROLLERS AND NETWORKS	100% CD	3/9/2020
23 09 24	GRAPHICAL USER INTERFACE INTEGRATION	100% CD	3/9/2020
23 21 14	UNDERGROUND (DIRECT BURIED) PIPING	100% CD	3/9/2020
23 21 16	PIPE AND PIPE FITTINGS	100% CD	3/9/2020
23 21 18	VALVES	100% CD	3/9/2020
23 21 20	PIPING SPECIALTIES	100% CD	3/9/2020
23 21 23	PUMPS	100% CD	3/9/2020
23 25 14	CHEMICAL TREATMENT SYSTEMS	100% CD	3/9/2020
23 31 14	DUCTWORK	100% CD	3/9/2020
23 33 14	DUCTWORK SPECIALTIES	100% CD	3/9/2020
23 34 00	FANS	100% CD	3/9/2020
23 36 00	AIR TERMINAL DEVICES	100% CD	3/9/2020
23 36 14	LABORATORY TEMP AND AIRFLOW CONTROL SYSTEM	100% CD	3/9/2020
23 37 13	DIFFUSERS, REGISTERS AND GRILLES	100% CD	3/9/2020
23 41 14	FILTERS	100% CD	3/9/2020
23 51 00	SMOKESTACK, BREECHING AND VENT PIPING	100% CD	3/9/2020
23 52 14	PRIMARY HEATING EQUIPMENT	100% CD	3/9/2020
23 72 14	HEAT RECOVERY EQUIPMENT	100% CD	3/9/2020
23 73 13	AIR HANDLING UNITS	100% CD	3/9/2020
23 82 14	HEATING AND COOLING TERMINAL DEVICES	100% CD	3/9/2020
DIV 26	**ELECTRICAL**		
26 00 00	GENERAL ELECTRICAL REQUIREMENTS	100% CD	3/9/2020
26 05 16	OWNER-FURNISHED EQUIPMENT	100% CD	3/9/2020
26 05 19	LOW-VOLTAGE ELECTRIC POWER CONDUCTORS AND CABLES	100% CD	3/9/2020
26 05 26	GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS	100% CD	3/9/2020

26 05 29	HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS	100% CD	3/9/2020
26 05 33	RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS	100% CD	3/9/2020
26 05 33. 13	SURFACE RACEWAY SYSTEM	100% CD	3/9/2020
26 05 43	UNDERGROUND DUCTS & RACEWAYS FOR ELECTRIC SYSTEMS	100% CD	3/9/2020
26 05 43. 19	HANDHOLES AND HARDWARE	100% CD	3/9/2020
26 05 53	ELECTRICAL SYSTEMS IDENTIFICATION	100% CD	3/9/2020
26 09 43	NETWORK LIGHTING CONTROLS	100% CD	3/9/2020
26 22 00	LOW – VOLTAGE TRANSFORMERS	100% CD	3/9/2020
26 24 13	SWITCHBOARDS	100% CD	3/9/2020
26 24 16. 13	LIGHTING AND APPLIANCE PANELBOARDS	100% CD	3/9/2020
26 24 16. 16	DISTRIBUTION PANELBOARDS	100% CD	3/9/2020
26 27 13	ELECTRICAL METERING	100% CD	3/9/2020
26 27 26	WIRING DEVICES	100% CD	3/9/2020
26 28 13	FUSES	100% CD	3/9/2020
26 28 16	ENCLOSED SWITCHES AND CIRCUIT BREAKERS	100% CD	3/9/2020
26 29 13	ENCLOSED CONTROLLERS	100% CD	3/9/2020
26 32 13	ENGINE GENERATORS	100% CD	3/9/2020
26 36 23	AUTOMATIC TRANSFER SWITCHES	100% CD	3/9/2020
26 41 13	LIGHTNING PROTECTION FOR STRUCTURES	100% CD	3/9/2020
26 43 00	SURGE PROTECTION DEVICES	100% CD	3/9/2020
26 50 00	LIGHTING	100% CD	3/9/2020
DIV 27	**COMMUNICATIONS**		
27 00 00	GENERAL COMMUNICATIONS REQUIREMENTS	100% CD	3/9/2020
27 05 28. 29	HANGERS AND SUPPORTS FOR COMMUNICATIONS SYSTEMS	100% CD	3/9/2020
27 05 28. 33	RACEWAYS AND BOXES FOR COMMUNICATIONS SYSTEMS	100% CD	3/9/2020
27 05 28. 36	CABLE TRAYS FOR COMMUNICATIONS SYSTEMS	100% CD	3/9/2020
27 05 53	COMMUNICATIONS SYSTEMS IDENTIFICATION	100% CD	3/9/2020
27 10 00	STRUCTURED CABLING	100% CD	3/9/2020
27 11 00	COMMUNICATIONS EQUIPMENT ROOM FITTINGS	100% CD	3/9/2020
27 13 00	COMMUNICATIONS BACKBONE CABLING	100% CD	3/9/2020
27 15 00	COMMUNICATIONS HORIZONTAL CABLING	100% CD	3/9/2020
27 51 13	OVERHEAD PAGING	100% CD	3/9/2020
27 51 29	TWO – WAY COMMUNICATION SYSTEM	100% CD	3/9/2020
27 53 19	EMERGENCY RESPONDER RADIO REINFORCEMENT SYSTEM	100% CD	3/9/2020
DIV 28	**ELECTRONIC SAFETY AND SECURITY**		

28 00 00	GENERAL ELECTRONIC SAFETY AND SECURITY REQUIREMENT	100% CD	3/9/2020
28 10 00	ELECTRONIC ACCESS CONTROL	100% CD	3/9/2020
28 20 00	VIDEO SURVEILLANCE	100% CD	3/9/2020
28 31 16	MULTIPLEXED FIRE DETECTION AND ALARM SYSTEMS	100% CD	3/9/2020
DIV 31	**EARTHWORK**		
31 21 13	RADON MITIGATION	100% CD	3/9/2020
31 31 16	TERMITE CONTROL	100% CD	3/9/2020
DIV 32	**EXTERIOR IMPROVEMENTS**		
32 13 16	DECORATIVE CONCRETE PAVING	100% CD	3/9/2020
32 33 00	SITE FURNISHINGS	100% CD	3/9/2020
32 31 00	FENCES AND GATES	100% CD	3/9/2020
32 84 00	PLANTING IRRIGATION	100% CD	3/9/2020
32 91 13	SOIL PREPARATION	100% CD	3/9/2020
32 92 00	TURF AND GRASSES	100% CD	3/9/2020
32 93 00	PLANTS	100% CD	3/9/2020

Addenda

Addendum No.	Description	Rev No.	Date

Other

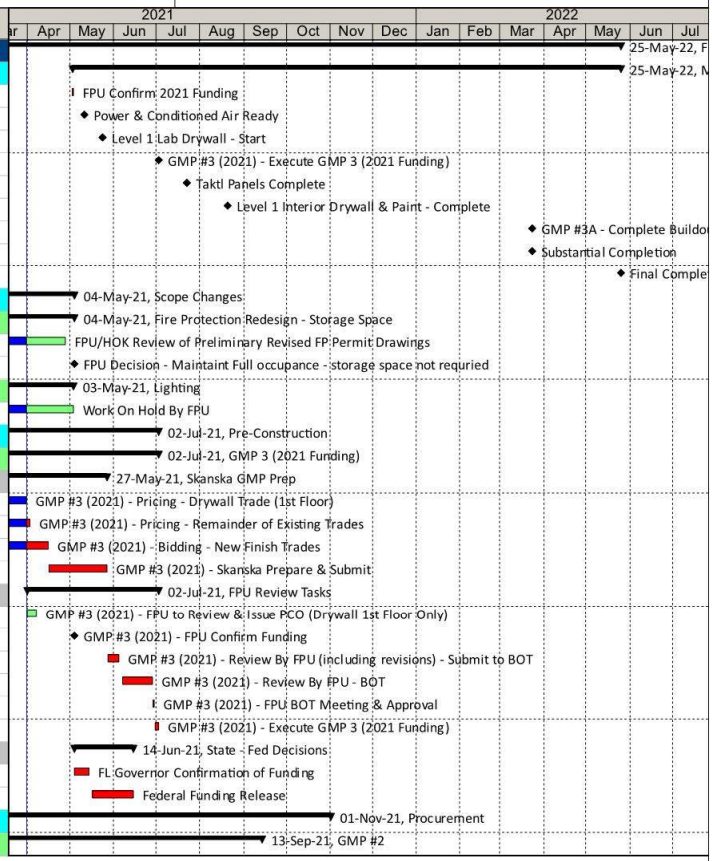
Document No.	Document Name	Rev No.	Date
APPENDIX A	GEOTECHNICAL REPORT	100% CD	3/9/2020

EXHIBIT B

PROJECT SCHEDULE

Florida Polytechnic Applied Research Center_CURRENT | **FPU - GMP3** | **Printed on:** 02-Jun-21; **Data Date:** 31-Mar-21

Activity ID	Activity Name	Org Dur	Start	Finish
Florida Polytechnic Applied Research Center_CURRENT		438d	09-Sep-20 A	25-May-22
Milestones		276d	03-May-21	25-May-22
MS-23	FPU Confirm 2021 Funding	1d	03-May-21*	03-May-21
MS-08	Power & Conditioned Air Ready	0d		11-May-21
MS-24	Level 1 Lab Drywall - Start	0d	24-May-21	
MS-25	GMP #3 (2021) - Execute GMP 3 (2021 Funding)	0d		02-Jul-21
MS-21	Taktl Panels Complete	0d		22-Jul-21
MS-22	Level 1 Interior Drywall & Paint - Complete	0d		20-Aug-21
MS-20	GMP #3A - Complete Buildout	0d		23-Mar-22
MS-09	Substantial Completion	0d		23-Mar-22
MS-10	Final Completion	0d		25-May-22
Scope Changes		77d	18-Dec-20 A	04-May-21
Fire Protection Redesign - Storage Space		31d	15-Mar-21 A	04-May-21
SC-1003	FPU/HOK Review of Preliminary Revised FP Permit Drawings	20d	15-Mar-21 A	27-Apr-21
SC-1017	FPU Decision - Maintaint Full occupance - storage space not requried	0d	04-May-21	
Lighting		5d	18-Dec-20 A	03-May-21
SC-1010	Work On Hold By FPU	5d	18-Dec-20 A	03-May-21
Pre-Construction		74d	24-Feb-21 A	02-Jul-21
GMP 3 (2021 Funding)		74d	24-Feb-21 A	02-Jul-21
Skanska GMP Prep		49d	24-Feb-21 A	27-May-21
PR-141	GMP #3 (2021) - Pricing - Drywall Trade (1st Floor)	15d	24-Feb-21 A	31-Mar-21
PR-139	GMP #3 (2021) - Pricing - Remainder of Existing Trades	12d	16-Mar-21 A	02-Apr-21
PR-130	GMP #3 (2021) - Bidding - New Finish Trades	30d	19-Mar-21 A	15-Apr-21
PR-134	GMP #3 (2021) - Skanska Prepare & Submit	30d	16-Apr-21	27-May-21
FPU Review Tasks		66d	01-Apr-21	02-Jul-21
PR-140	GMP #3 (2021) - FPU to Review & Issue PCO (Drywall 1st Floor Only)	5d	01-Apr-21	07-Apr-21
PR-137	GMP #3 (2021) - FPU Confirm Funding	0d	04-May-21	
PR-136	GMP #3 (2021) - Review By FPU (including revisions) - Submit to BOT	5d	28-May-21	04-Jun-21
PR-143	GMP #3 (2021) - Review By FPU - BOT	16d	07-Jun-21	28-Jun-21
PR-135	GMP #3 (2021) - FPU BOT Meeting & Approval	1d	29-Jun-21	29-Jun-21
PR-142	GMP #3 (2021) - Execute GMP 3 (2021 Funding)	3d	30-Jun-21	02-Jul-21
State - Fed Decisions		29d	04-May-21	14-Jun-21
PR-150	FL Governor Confirmation of Funding	9d	04-May-21	14-May-21
PR-151	Federal Funding Release	20d	17-May-21	14-Jun-21
Procurement		269d	18-Sep-20 A	01-Nov-21
GMP #2		234d	18-Sep-20 A	13-Sep-21



Remaining Level of Effort | Actual Work | Critical Remaining W...
Actual Level of Effort | Remaining Work | As Late As Possible

Page 1 of 15
TASK filters: In Progress, Level of Effort_1.

SKANSKA

Florida Polytechnic Applied Research Center_CURRENT | **FPU - GMP3** | **Printed on:** 02-Jun-21; **Data Date:** 31-Mar-21

Activity ID	Activity Name	Org Dur	Start	Finish
Mechanical		35d	18-Sep-20 A	02-Apr-21
VFDs		35d	18-Sep-20 A	02-Apr-21
PRO-226	Fabrication & Delivery - VFDs	35d	18-Sep-20 A	02-Apr-21
Electrical		50d	06-Jul-21	13-Sep-21
Light Fixtures		50d	06-Jul-21	13-Sep-21
PRO-210	Fabrication & Delivery - Light Fixtures GMP 3 (not PCO)	50d	06-Jul-21	13-Sep-21
GMP #3 / PCO #5		55d	01-Feb-21 A	15-Apr-21
Interior Glass		17d	03-Mar-21 A	15-Apr-21
PRO-251	Fab and Deliver - Interior Glass - Shop Only	17d	03-Mar-21 A	15-Apr-21
Interior Painting		13d	16-Mar-21 A	06-Apr-21
PRO-254	A/E Review & Approve Submittals -Interior Painting - Shop Only	10d	16-Mar-21 A	31-Mar-21 A
PRO-255	Fab and Deliver - Interior Painting - Shop Only	5d	31-Mar-21	06-Apr-21
Lab Casework		55d	01-Feb-21 A	31-Mar-21
PRO-247	Fab and Deliver - Lab Casework - Shop Only	55d	01-Feb-21 A	31-Mar-21
GMP 3 (2021 Funding)		146d	08-Apr-21	01-Nov-21
Level 1 Interior Drywall Completion		22d	08-Apr-21	07-May-21
A1029	Skanska - (Issue CO) Hang and Finish Drywall (1st Floor)	2d	08-Apr-21	09-Apr-21
A1030	Material Lead Time - Drywall (1st Floor Only)	10d	12-Apr-21	23-Apr-21
A1031	Material Lead Time - Insulation (1st Floor Only)	20d	12-Apr-21	07-May-21
GMP 3 ARC Full Buildout		146d	08-Apr-21	01-Nov-21
Securtiy Fencing		65d	06-Jul-21	04-Oct-21
PRO-256	Issue Contract - Security Fencing	10d	06-Jul-21	19-Jul-21
PRO-257	Prepare Submittals - Security Fencing	15d	20-Jul-21	09-Aug-21
PRO-258	A/E Review & Approve Submittals - Security Fencing	10d	10-Aug-21	23-Aug-21
PRO-259	Fab and Deliver - Security Fencing	30d	24-Aug-21	04-Oct-21
Level 2 Interior Drywall Completion		32d	06-Jul-21	18-Aug-21
A1043	Skanska Award Contract - Hang and Finish Drywall (2nd Floor)	2d	06-Jul-21	07-Jul-21
A1042	Material Lead Time - Drywall (2nd Floor)	10d	08-Jul-21	21-Jul-21
A1044	Material Lead Time - Insulation (2nd Floor)	30d	08-Jul-21	18-Aug-21
Interior Paint/Floor Sealer		66d	08-Apr-21	12-Jul-21
PRO-260	Skanska Award Contract - Paint	10d	08-Apr-21	21-Apr-21
PRO-261	Prepare Submittals - Paint	15d	22-Apr-21	12-May-21
PRO-262	A/E Review & Approve Submittals - Paint	10d	13-May-21	26-May-21
PRO-263	Material Lead Time - Paint	5d	06-Jul-21	12-Jul-21
Millwork		65d	06-Jul-21	04-Oct-21
PRO-264	Skanska Award Contract - Millwork	10d	06-Jul-21	19-Jul-21

Remaining Level of Effort | Actual Work | Critical Remaining W...
Actual Level of Effort | Remaining Work | As Late As Possible

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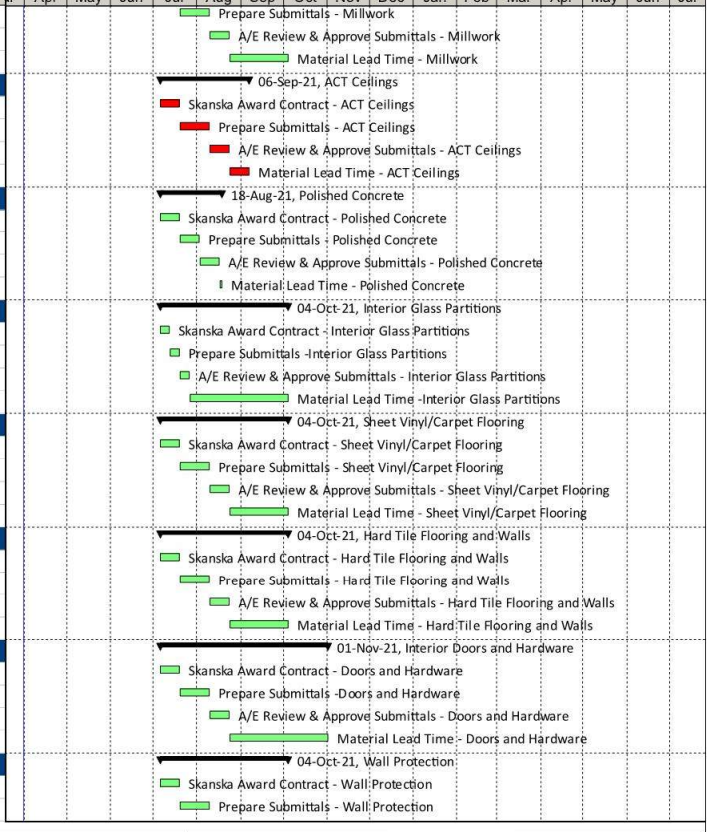
Activity ID	Activity Name	Org Dur	Start	Finish
PRO-265	Prepare Submittals - Millwork	15d	20-Jul-21	09-Aug-21
PRO-266	A/E Review & Approve Submittals - Millwork	10d	10-Aug-21	23-Aug-21
PRO-267	Material Lead Time - Millwork	30d	24-Aug-21	04-Oct-21
ACT Ceilings		45d	06-Jul-21	06-Sep-21
PRO-268	Skanska Award Contract - ACT Ceilings	10d	06-Jul-21	19-Jul-21
PRO-269	Prepare Submittals - ACT Ceilings	15d	20-Jul-21	09-Aug-21
PRO-270	A/E Review & Approve Submittals - ACT Ceilings	10d	10-Aug-21	23-Aug-21
PRO-271	Material Lead Time - ACT Ceilings	10d	24-Aug-21	06-Sep-21
Polished Concrete		32d	06-Jul-21	18-Aug-21
PRO-272	Skanska Award Contract - Polished Concrete	10d	06-Jul-21	19-Jul-21
PRO-273	Prepare Submittals - Polished Concrete	10d	20-Jul-21	02-Aug-21
PRO-274	A/E Review & Approve Submittals - Polished Concrete	10d	03-Aug-21	16-Aug-21
PRO-275	Material Lead Time - Polished Concrete	2d	17-Aug-21	18-Aug-21
Interior Glass Partitions		65d	06-Jul-21	04-Oct-21
PRO-276	Skanska Award Contract - Interior Glass Partitions	5d	06-Jul-21	12-Jul-21
PRO-277	Prepare Submittals -Interior Glass Partitions	5d	13-Jul-21	19-Jul-21
PRO-278	A/E Review & Approve Submittals - Interior Glass Partitions	5d	20-Jul-21	26-Jul-21
PRO-279	Material Lead Time -Interior Glass Partitions	50d	27-Jul-21	04-Oct-21
Sheet Vinyl/Carpet Flooring		65d	06-Jul-21	04-Oct-21
PRO-280	Skanska Award Contract - Sheet Vinyl/Carpet Flooring	10d	06-Jul-21	19-Jul-21
PRO-281	Prepare Submittals - Sheet Vinyl/Carpet Flooring	15d	20-Jul-21	09-Aug-21
PRO-282	A/E Review & Approve Submittals - Sheet Vinyl/Carpet Flooring	10d	10-Aug-21	23-Aug-21
PRO-283	Material Lead Time - Sheet Vinyl/Carpet Flooring	30d	24-Aug-21	04-Oct-21
Hard Tile Flooring and Walls		65d	06-Jul-21	04-Oct-21
PRO-284	Skanska Award Contract - Hard Tile Flooring and Walls	10d	06-Jul-21	19-Jul-21
PRO-285	Prepare Submittals - Hard Tile Flooring and Walls	15d	20-Jul-21	09-Aug-21
PRO-286	A/E Review & Approve Submittals - Hard Tile Flooring and Walls	10d	10-Aug-21	23-Aug-21
PRO-287	Material Lead Time - Hard Tile Flooring and Walls	30d	24-Aug-21	04-Oct-21
Interior Doors and Hardware		85d	06-Jul-21	01-Nov-21
PRO-288	Skanska Award Contract - Doors and Hardware	10d	06-Jul-21	19-Jul-21
PRO-289	Prepare Submittals -Doors and Hardware	15d	20-Jul-21	09-Aug-21
PRO-290	A/E Review & Approve Submittals - Doors and Hardware	10d	10-Aug-21	23-Aug-21
PRO-291	Material Lead Time - Doors and Hardware	50d	24-Aug-21	01-Nov-21
Wall Protection		65d	06-Jul-21	04-Oct-21
PRO-292	Skanska Award Contract - Wall Protection	10d	06-Jul-21	19-Jul-21
PRO-293	Prepare Submittals - Wall Protection	15d	20-Jul-21	09-Aug-21



Remaining Level of Effort | Actual Work | Critical Remaining W...
Actual Level of Effort | Remaining Work | As Late As Possible

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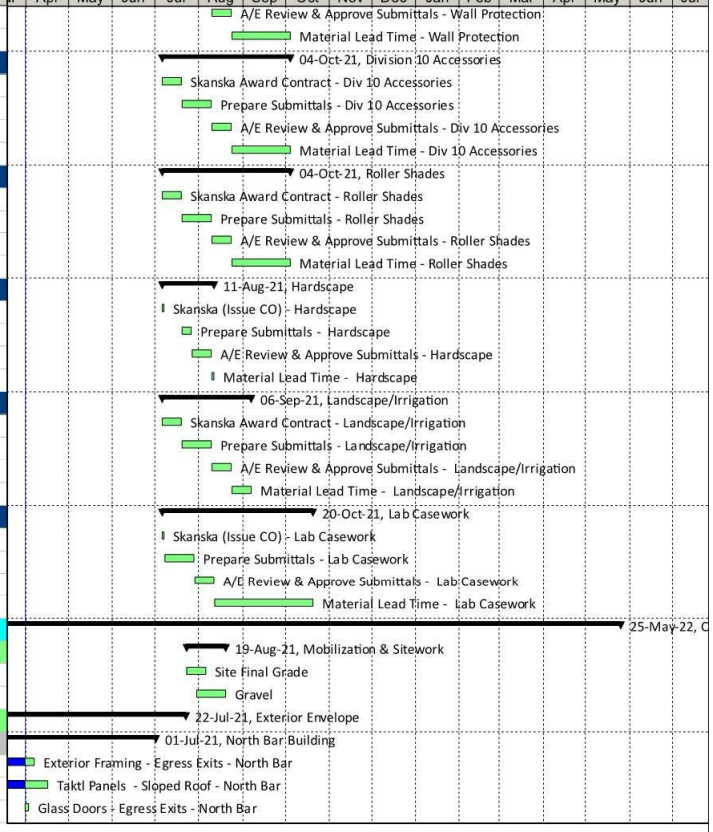
Activity ID	Activity Name	Org Dur	Start	Finish
PRO-294	A/E Review & Approve Submittals - Wall Protection	10d	10-Aug-21	23-Aug-21
PRO-295	Material Lead Time - Wall Protection	30d	24-Aug-21	04-Oct-21
Division 10 Accessories		65d	06-Jul-21	04-Oct-21
PRO-296	Skanska Award Contract - Div 10 Accessories	10d	06-Jul-21	19-Jul-21
PRO-297	Prepare Submittals - Div 10 Accessories	15d	20-Jul-21	09-Aug-21
PRO-298	A/E Review & Approve Submittals - Div 10 Accessories	10d	10-Aug-21	23-Aug-21
PRO-299	Material Lead Time - Div 10 Accessories	30d	24-Aug-21	04-Oct-21
Roller Shades		65d	06-Jul-21	04-Oct-21
PRO-300	Skanska Award Contract - Roller Shades	10d	06-Jul-21	19-Jul-21
PRO-301	Prepare Submittals - Roller Shades	15d	20-Jul-21	09-Aug-21
PRO-302	A/E Review & Approve Submittals - Roller Shades	10d	10-Aug-21	23-Aug-21
PRO-303	Material Lead Time - Roller Shades	30d	24-Aug-21	04-Oct-21
Hardscape		27d	06-Jul-21	11-Aug-21
PRO-304	Skanska (Issue CO) - Hardscape	2d	06-Jul-21	07-Jul-21
PRO-305	Prepare Submittals - Hardscape	5d	20-Jul-21	26-Jul-21
PRO-306	A/E Review & Approve Submittals - Hardscape	10d	27-Jul-21	09-Aug-21
PRO-307	Material Lead Time - Hardscape	2d	10-Aug-21	11-Aug-21
Landscape/Irrigation		45d	06-Jul-21	06-Sep-21
PRO-308	Skanska Award Contract - Landscape/Irrigation	10d	06-Jul-21	19-Jul-21
PRO-309	Prepare Submittals - Landscape/Irrigation	15d	20-Jul-21	09-Aug-21
PRO-310	A/E Review & Approve Submittals - Landscape/Irrigation	10d	10-Aug-21	23-Aug-21
PRO-311	Material Lead Time - Landscape/Irrigation	10d	24-Aug-21	06-Sep-21
Lab Casework		77d	06-Jul-21	20-Oct-21
PRO-312	Skanska (Issue CO) - Lab Casework	2d	06-Jul-21	07-Jul-21
PRO-313	Prepare Submittals - Lab Casework	15d	08-Jul-21	28-Jul-21
PRO-314	A/E Review & Approve Submittals - Lab Casework	10d	29-Jul-21	11-Aug-21
PRO-315	Material Lead Time - Lab Casework	50d	12-Aug-21	20-Oct-21
Construction		438d	09-Sep-20 A	25-May-22
Mobilization & Sitework		20d	23-Jul-21	19-Aug-21
CN-3278	Site Final Grade	10d	23-Jul-21	05-Aug-21
CN-3277	Gravel	15d	30-Jul-21	19-Aug-21
Exterior Envelope		128d	11-Jan-21 A	22-Jul-21
North Bar Building		102d	01-Feb-21 A	01-Jul-21
EN-1020	Exterior Framing - Egress Exits - North Bar	5d	01-Feb-21 A	06-Apr-21
EN-1043	Taktl Panels - Sloped Roof - North Bar	21d	10-Mar-21 A	16-Apr-21
EN-1048	Glass Doors - Egress Exits - North Bar	3d	31-Mar-21	02-Apr-21



Remaining Level of Effort | Actual Work | Critical Remaining W...
Actual Level of Effort | Remaining Work | As Late As Possible

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EXHIBIT B

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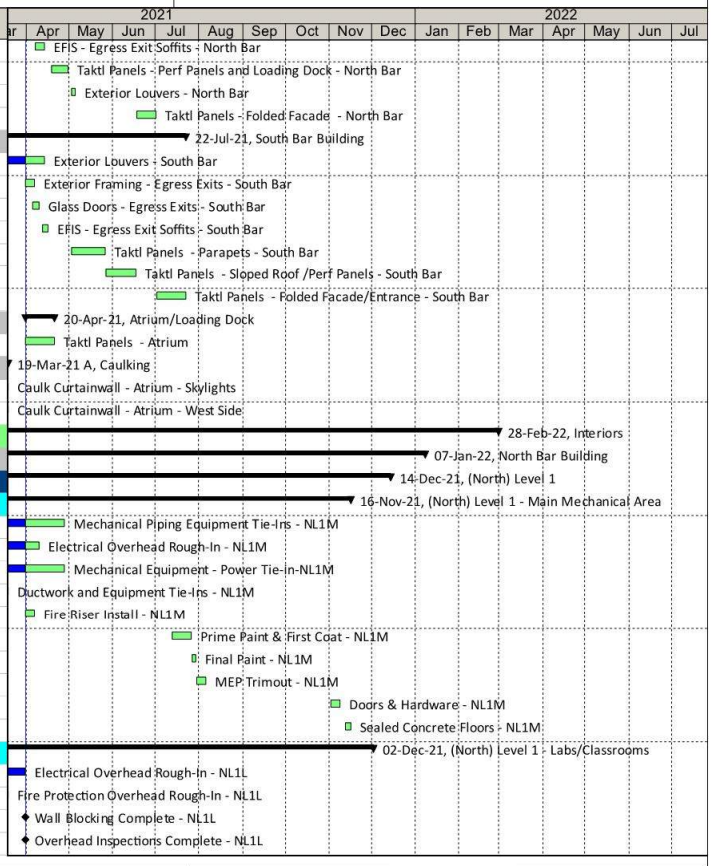
Activity ID	Activity Name	Org Dur	Start	Finish
A1009	EFIS - Egress Exit Soffits - North Bar	5d	07-Apr-21	13-Apr-21
EN-1044	Taktl Panels - Perf Panels and Loading Dock - North Bar	10d	19-Apr-21	30-Apr-21
EN-1046	Exterior Louvers - North Bar	3d	03-May-21	05-May-21
EN-1062	Taktl Panels - Folded Facade - North Bar	10d	18-Jun-21	01-Jul-21
South Bar Building		128d	11-Jan-21 A	22-Jul-21
EN-1045	Exterior Louvers - South Bar	10d	11-Jan-21 A	13-Apr-21
EN-1050	Exterior Framing - Egress Exits - South Bar	5d	31-Mar-21	06-Apr-21
EN-1049	Glass Doors - Egress Exits - South Bar	5d	05-Apr-21	09-Apr-21
A1004	EFIS - Egress Exit Soffits - South Bar	5d	12-Apr-21	16-Apr-21
EN-1014	Taktl Panels - Parapets - South Bar	18d	03-May-21	26-May-21
EN-1040	Taktl Panels - Sloped Roof /Perf Panels - South Bar	15d	27-May-21	17-Jun-21
EN-1041	Taktl Panels - Folded Facade/Entrance - South Bar	14d	02-Jul-21	22-Jul-21
Atrium/Loading Dock		15d	31-Mar-21	20-Apr-21
EN-1017	Taktl Panels - Atrium	15d	31-Mar-21	20-Apr-21
Caulking		16d	26-Feb-21 A	19-Mar-21 A
EN-1061	Caulk Curtainwall - Atrium - Skylights	8d	26-Feb-21 A	19-Mar-21 A
EN-1060	Caulk Curtainwall - Atrium - West Side	2d	15-Mar-21 A	19-Mar-21 A
Interiors		376d	09-Sep-20 A	28-Feb-22
North Bar Building		259d	28-Dec-20 A	07-Jan-22
(North) Level 1		241d	28-Dec-20 A	14-Dec-21
(North) Level 1 - Main Mechanical Area		186d	17-Feb-21 A	16-Nov-21
CN-1039	Mechanical Piping Equipment Tie-Ins - NL1M	20d	17-Feb-21 A	27-Apr-21
CN-1012	Electrical Overhead Rough-In - NL1M	8d	01-Mar-21 A	09-Apr-21
CN-1047	Mechanical Equipment - Power Tie-in-NL1M	20d	01-Mar-21 A	27-Apr-21
CN-1031	Ductwork and Equipment Tie-Ins - NL1M	20d	15-Mar-21 A	19-Mar-21 A
CN-1000	Fire Riser Install - NL1M	5d	31-Mar-21	06-Apr-21
CN-1028	Prime Paint & First Coat - NL1M	10d	13-Jul-21	26-Jul-21
CN-1049	Final Paint - NL1M	3d	27-Jul-21	29-Jul-21
CN-1060	MEP Trimout - NL1M	5d	30-Jul-21	05-Aug-21
CN-1048	Doors & Hardware - NL1M	5d	02-Nov-21	08-Nov-21
CN-1050	Sealed Concrete Floors - NL1M	3d	12-Nov-21	16-Nov-21
(North) Level 1 - Labs/Classrooms		233d	28-Dec-20 A	02-Dec-21
CN-3160	Electrical Overhead Rough-In - NL1L	20d	28-Dec-20 A	31-Mar-21
CN-3157	Fire Protection Overhead Rough-In - NL1L	10d	01-Mar-21 A	19-Mar-21 A
CN-3168	Wall Blocking Complete - NL1L	0d		31-Mar-21
CN-3169	Overhead Inspections Complete - NL1L	0d		31-Mar-21



Remaining Level of Effort | Actual Work | Critical Remaining W...
Actual Level of Effort | Remaining Work | As Late As Possible

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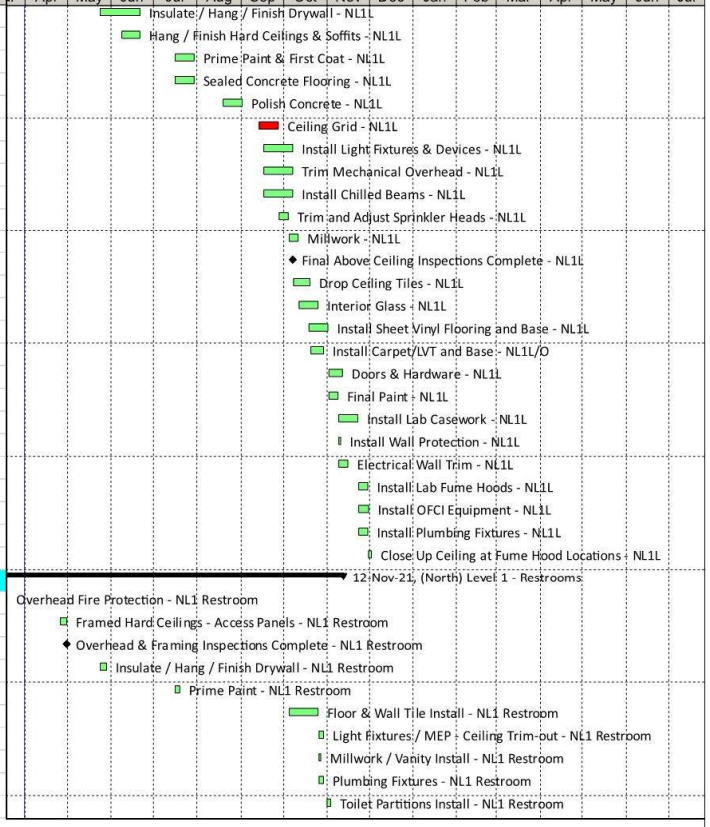
Activity ID	Activity Name	Org Dur	Start	Finish
CN-3171	Insulate / Hang / Finish Drywall - NL1L	20d	24-May-21	21-Jun-21
CN-3172	Hang / Finish Hard Ceilings & Soffits - NL1L	10d	08-Jun-21	21-Jun-21
CN-3173	Prime Paint & First Coat - NL1L	10d	16-Jul-21	29-Jul-21
CN-3174	Sealed Concrete Flooring - NL1L	10d	16-Jul-21	29-Jul-21
CN-3178	Polish Concrete - NL1L	10d	19-Aug-21	01-Sep-21
CN-3177	Ceiling Grid - NL1L	10d	14-Sep-21	27-Sep-21
CN-3179	Install Light Fixtures & Devices - NL1L	15d	17-Sep-21	07-Oct-21
CN-3180	Trim Mechanical Overhead - NL1L	15d	17-Sep-21	07-Oct-21
CN-3279	Install Chilled Beams - NL1L	15d	17-Sep-21	07-Oct-21
CN-3166	Trim and Adjust Sprinkler Heads - NL1L	5d	28-Sep-21	04-Oct-21
CN-3176	Millwork - NL1L	5d	05-Oct-21	11-Oct-21
CN-3182	Final Above Ceiling Inspections Complete - NL1L	0d		07-Oct-21
CN-3183	Drop Ceiling Tiles - NL1L	8d	08-Oct-21	19-Oct-21
CN-3181	Interior Glass - NL1L	10d	12-Oct-21	25-Oct-21
CN-3184	Install Sheet Vinyl Flooring and Base - NL1L	10d	19-Oct-21	01-Nov-21
CN-3185	Install Carpet/LVT and Base - NL1L/O	8d	20-Oct-21	29-Oct-21
CN-3175	Doors & Hardware - NL1L	8d	02-Nov-21	11-Nov-21
CN-3187	Final Paint - NL1L	5d	02-Nov-21	08-Nov-21
CN-3188	Install Lab Casework - NL1L	10d	09-Nov-21	22-Nov-21
CN-3190	Install Wall Protection - NL1L	2d	09-Nov-21	10-Nov-21
CN-3192	Electrical Wall Trim - NL1L	5d	09-Nov-21	15-Nov-21
CN-3193	Install Lab Fume Hoods - NL1L	5d	23-Nov-21	29-Nov-21
CN-3189	Install OFCI Equipment - NL1L	6d	23-Nov-21	30-Nov-21
CN-3191	Install Plumbing Fixtures - NL1L	5d	23-Nov-21	29-Nov-21
CN-3194	Close Up Ceiling at Fume Hood Locations - NL1L	3d	30-Nov-21	02-Dec-21
(North) Level 1 - Restrooms		164d	15-Feb-21 A	12-Nov-21
CN-3082	Overhead Fire Protection - NL1 Restroom	5d	15-Feb-21 A	19-Mar-21 A
CN-3084	Framed Hard Ceilings - Access Panels - NL1 Restroom	5d	26-Apr-21	30-Apr-21
CN-3096	Overhead & Framing Inspections Complete - NL1 Restroom	0d		30-Apr-21
CN-3079	Insulate / Hang / Finish Drywall - NL1 Restroom	5d	24-May-21	28-May-21
CN-3083	Prime Paint - NL1 Restroom	2d	16-Jul-21	19-Jul-21
CN-3091	Floor & Wall Tile Install - NL1 Restroom	15d	05-Oct-21	25-Oct-21
CN-3087	Light Fixtures / MEP - Ceiling Trim-out - NL1 Restroom	4d	26-Oct-21	29-Oct-21
CN-3088	Millwork / Vanity Install - NL1 Restroom	2d	26-Oct-21	27-Oct-21
CN-3089	Plumbing Fixtures - NL1 Restroom	4d	26-Oct-21	29-Oct-21
CN-3085	Toilet Partitions Install - NL1 Restroom	3d	01-Nov-21	03-Nov-21



Remaining Level of Effort | Actual Work | Critical Remaining W...
Actual Level of Effort | Remaining Work | As Late As Possible

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EXHIBIT B

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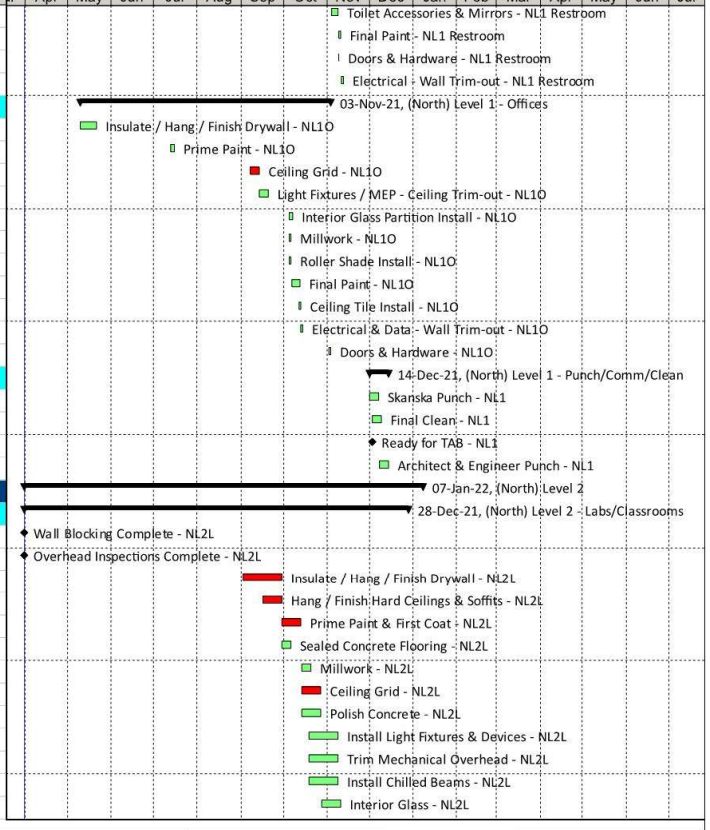
Activity ID	Activity Name	Org Dur	Start	Finish
CN-3093	Toilet Accessories & Mirrors - NL1 Restroom	3d	04-Nov-21	08-Nov-21
CN-3090	Final Paint - NL1 Restroom	2d	09-Nov-21	10-Nov-21
CN-3086	Doors & Hardware - NL1 Restroom	1d	09-Nov-21	09-Nov-21
CN-3092	Electrical - Wall Trim-out - NL1 Restroom	2d	11-Nov-21	12-Nov-21
(North) Level 1 - Offices		126d	10-May-21	03-Nov-21
CN-3006	Insulate / Hang / Finish Drywall - NL1O	10d	10-May-21	21-May-21
CN-3014	Prime Paint - NL1O	3d	13-Jul-21	15-Jul-21
CN-3008	Ceiling Grid - NL1O	5d	07-Sep-21	13-Sep-21
CN-3015	Light Fixtures / MEP - Ceiling Trim-out - NL1O	5d	14-Sep-21	20-Sep-21
CN-3013	Interior Glass Partition Install - NL1O	3d	05-Oct-21	07-Oct-21
CN-3016	Millwork - NL1O	2d	05-Oct-21	06-Oct-21
CN-3018	Roller Shade Install - NL1O	2d	05-Oct-21	06-Oct-21
CN-3010	Final Paint - NL1O	4d	07-Oct-21	12-Oct-21
CN-3011	Ceiling Tile Install - NL1O	2d	12-Oct-21	13-Oct-21
CN-3019	Electrical & Data - Wall Trim-out - NL1O	2d	13-Oct-21	14-Oct-21
CN-3017	Doors & Hardware - NL1O	2d	02-Nov-21	03-Nov-21
(North) Level 1 - Punch/Comm/Clean		10d	01-Dec-21	14-Dec-21
CN-3001	Skanska Punch - NL1	5d	01-Dec-21	07-Dec-21
CN-3002	Final Clean - NL1	5d	03-Dec-21	09-Dec-21
CN-3009	Ready for TAB - NL1	0d	03-Dec-21	
CN-3003	Architect & Engineer Punch - NL1	5d	08-Dec-21	14-Dec-21
(North) Level 2		201d	31-Mar-21	07-Jan-22
(North) Level 2 - Labs/Classrooms		193d	31-Mar-21	28-Dec-21
CN-2044	Wall Blocking Complete - NL2L	0d		31-Mar-21
CN-2052	Overhead Inspections Complete - NL2L	0d		31-Mar-21
CN-2046	Insulate / Hang / Finish Drywall - NL2L	20d	02-Sep-21	29-Sep-21
CN-2062	Hang / Finish Hard Ceilings & Soffits - NL2L	10d	16-Sep-21	29-Sep-21
CN-2063	Prime Paint & First Coat - NL2L	10d	30-Sep-21	13-Oct-21
CN-2058	Sealed Concrete Flooring - NL2L	5d	30-Sep-21	06-Oct-21
CN-2071	Millwork - NL2L	5d	14-Oct-21	20-Oct-21
CN-2065	Ceiling Grid - NL2L	10d	14-Oct-21	27-Oct-21
CN-2059	Polish Concrete - NL2L	10d	14-Oct-21	27-Oct-21
CN-2067	Install Light Fixtures & Devices - NL2L	15d	19-Oct-21	08-Nov-21
CN-2080	Trim Mechanical Overhead - NL2L	15d	19-Oct-21	08-Nov-21
CN-3280	Install Chilled Beams - NL2L	15d	19-Oct-21	08-Nov-21
CN-2069	Interior Glass - NL2L	10d	28-Oct-21	10-Nov-21



Remaining Level of Effort | Actual Work | Critical Remaining W...
Actual Level of Effort | Remaining Work | As Late As Possible

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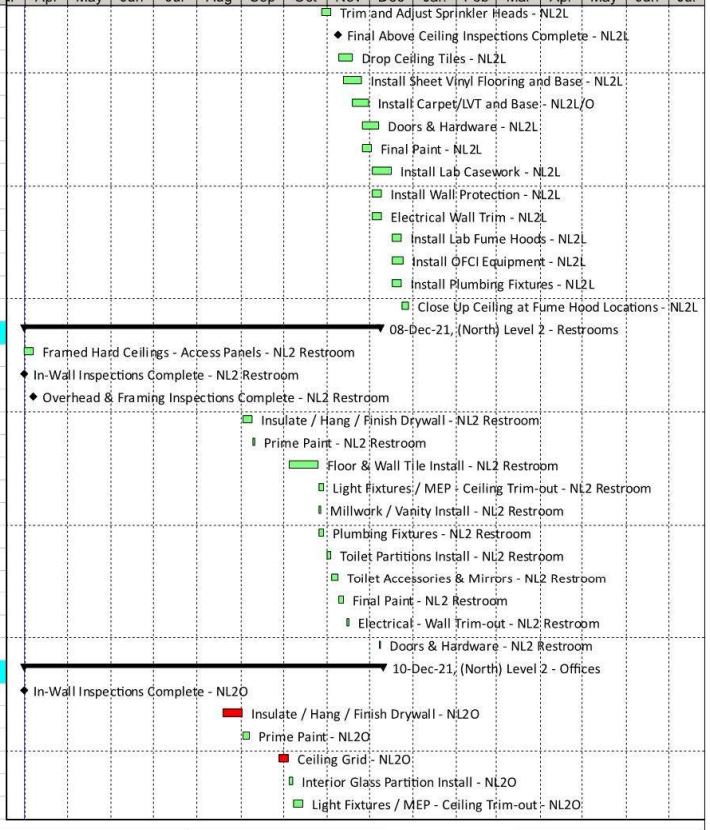
Activity ID	Activity Name	Org Dur	Start	Finish
CN-2068	Trim and Adjust Sprinkler Heads - NL2L	5d	28-Oct-21	03-Nov-21
CN-2072	Final Above Ceiling Inspections Complete - NL2L	0d		08-Nov-21
CN-2073	Drop Ceiling Tiles - NL2L	8d	09-Nov-21	18-Nov-21
CN-2061	Install Sheet Vinyl Flooring and Base - NL2L	10d	12-Nov-21	25-Nov-21
CN-2012	Install Carpet/LVT and Base - NL2L/O	8d	19-Nov-21	30-Nov-21
CN-2070	Doors & Hardware - NL2L	8d	26-Nov-21	07-Dec-21
CN-2076	Final Paint - NL2L	5d	26-Nov-21	02-Dec-21
CN-2066	Install Lab Casework - NL2L	10d	03-Dec-21	16-Dec-21
CN-2079	Install Wall Protection - NL2L	5d	03-Dec-21	09-Dec-21
CN-2013	Electrical Wall Trim - NL2L	5d	03-Dec-21	09-Dec-21
CN-2064	Install Lab Fume Hoods - NL2L	5d	17-Dec-21	23-Dec-21
CN-2078	Install OFCI Equipment - NL2L	6d	17-Dec-21	24-Dec-21
CN-2077	Install Plumbing Fixtures - NL2L	5d	17-Dec-21	23-Dec-21
CN-2081	Close Up Ceiling at Fume Hood Locations - NL2L	3d	24-Dec-21	28-Dec-21
(North) Level 2 - Restrooms		179d	31-Mar-21	08-Dec-21
CN-3104	Framed Hard Ceilings - Access Panels - NL2 Restroom	5d	31-Mar-21	06-Apr-21
CN-3103	In-Wall Inspections Complete - NL2 Restroom	0d		31-Mar-21
CN-3105	Overhead & Framing Inspections Complete - NL2 Restroom	0d		06-Apr-21
CN-3106	Insulate / Hang / Finish Drywall - NL2 Restroom	5d	02-Sep-21	08-Sep-21
CN-3107	Prime Paint - NL2 Restroom	2d	09-Sep-21	10-Sep-21
CN-3108	Floor & Wall Tile Install - NL2 Restroom	15d	05-Oct-21	25-Oct-21
CN-3109	Light Fixtures / MEP - Ceiling Trim-out - NL2 Restroom	4d	26-Oct-21	29-Oct-21
CN-3110	Millwork / Vanity Install - NL2 Restroom	2d	26-Oct-21	27-Oct-21
CN-3111	Plumbing Fixtures - NL2 Restroom	4d	26-Oct-21	29-Oct-21
CN-3112	Toilet Partitions Install - NL2 Restroom	3d	01-Nov-21	03-Nov-21
CN-3113	Toilet Accessories & Mirrors - NL2 Restroom	3d	04-Nov-21	08-Nov-21
CN-3114	Final Paint - NL2 Restroom	4d	09-Nov-21	12-Nov-21
CN-3116	Electrical - Wall Trim-out - NL2 Restroom	2d	15-Nov-21	16-Nov-21
CN-3115	Doors & Hardware - NL2 Restroom	1d	08-Dec-21	08-Dec-21
(North) Level 2 - Offices		181d	31-Mar-21	10-Dec-21
CN-3024	In-Wall Inspections Complete - NL2O	0d		31-Mar-21
CN-3025	Insulate / Hang / Finish Drywall - NL2O	10d	19-Aug-21	01-Sep-21
CN-3029	Prime Paint - NL2O	3d	02-Sep-21	06-Sep-21
CN-3030	Ceiling Grid - NL2O	5d	28-Sep-21	04-Oct-21
CN-3031	Interior Glass Partition Install - NL2O	3d	05-Oct-21	07-Oct-21
CN-3033	Light Fixtures / MEP - Ceiling Trim-out - NL2O	5d	08-Oct-21	14-Oct-21



Remaining Level of Effort | Actual Work | Critical Remaining W...
Actual Level of Effort | Remaining Work | As Late As Possible

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TASK filters: In Progress, Level of Effort_1.

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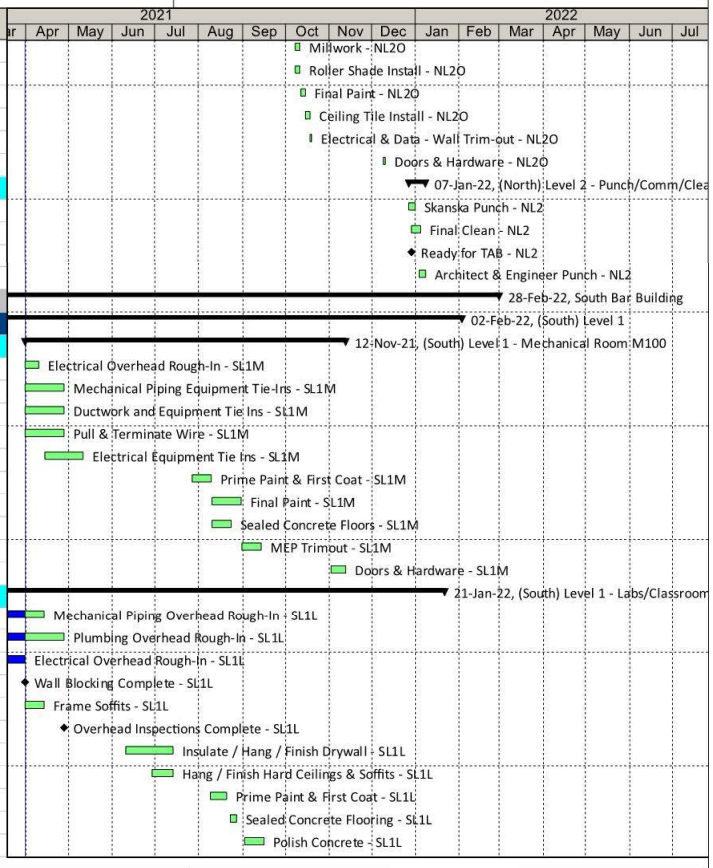
EXHIBIT B

Florida Polytechnic Applied Research Center_CURRENT | **FPU - GMP3** | **Printed on:** 02-Jun-21; **Data Date:** 31-Mar-21

Activity ID	Activity Name	Org Dur	Start	Finish
CN-3034	Millwork - NL2O	2d	08-Oct-21	11-Oct-21
CN-3035	Roller Shade Install - NL2O	2d	08-Oct-21	11-Oct-21
CN-3036	Final Paint - NL2O	4d	12-Oct-21	15-Oct-21
CN-3037	Ceiling Tile Install - NL2O	2d	15-Oct-21	18-Oct-21
CN-3038	Electrical & Data - Wall Trim-out - NL2O	2d	18-Oct-21	19-Oct-21
CN-3032	Doors & Hardware - NL2O	2d	09-Dec-21	10-Dec-21
(North) Level 2 - Punch/Comm/Clean		10d	27-Dec-21	07-Jan-22
CN-3284	Skanska Punch - NL2	5d	27-Dec-21	31-Dec-21
CN-3286	Final Clean - NL2	5d	29-Dec-21	04-Jan-22
CN-3287	Ready for TAB - NL2	0d	29-Dec-21	
CN-3285	Architect & Engineer Punch - NL2	5d	03-Jan-22	07-Jan-22
South Bar Building		376d	09-Sep-20 A	28-Feb-22
(South) Level 1		257d	28-Dec-20 A	02-Feb-22
(South) Level 1 - Mechanical Room M100		161d	31-Mar-21	12-Nov-21
CS-1000	Electrical Overhead Rough-In - SL1M	8d	31-Mar-21	09-Apr-21
CS-1013	Mechanical Piping Equipment Tie-Ins - SL1M	20d	31-Mar-21	27-Apr-21
CS-1014	Ductwork and Equipment Tie Ins - SL1M	20d	31-Mar-21	27-Apr-21
CS-1024	Pull & Terminate Wire - SL1M	20d	31-Mar-21	27-Apr-21
CS-1016	Electrical Equipment Tie Ins - SL1M	20d	14-Apr-21	11-May-21
CS-1018	Prime Paint & First Coat - SL1M	10d	27-Jul-21	09-Aug-21
CS-1023	Final Paint - SL1M	15d	10-Aug-21	30-Aug-21
CS-1025	Sealed Concrete Floors - SL1M	10d	10-Aug-21	23-Aug-21
CS-1022	MEP Trimout - SL1M	10d	31-Aug-21	13-Sep-21
CS-1019	Doors & Hardware - SL1M	9d	02-Nov-21	12-Nov-21
(South) Level 1 - Labs/Classrooms		249d	28-Dec-20 A	21-Jan-22
CN-3241	Mechanical Piping Overhead Rough-In - SL1L	20d	28-Dec-20 A	13-Apr-21
CN-3237	Plumbing Overhead Rough-In - SL1L	20d	03-Feb-21 A	27-Apr-21
CN-3236	Electrical Overhead Rough-In - SL1L	20d	18-Feb-21 A	31-Mar-21
CN-3244	Wall Blocking Complete - SL1L	0d		31-Mar-21
CN-3247	Frame Soffits - SL1L	10d	31-Mar-21	13-Apr-21
CN-3246	Overhead Inspections Complete - SL1L	0d		27-Apr-21
CN-3245	Insulate / Hang / Finish Drywall - SL1L	23d	10-Jun-21	13-Jul-21
CN-3248	Hang / Finish Hard Ceilings & Soffits - SL1L	10d	29-Jun-21	13-Jul-21
CN-3249	Prime Paint & First Coat - SL1L	10d	09-Aug-21	20-Aug-21
CN-3250	Sealed Concrete Flooring - SL1L	5d	23-Aug-21	27-Aug-21
CN-3254	Polish Concrete - SL1L	10d	02-Sep-21	15-Sep-21



Remaining Level of Effort | Actual Work | Critical Remaining W...
Actual Level of Effort | Remaining Work | As Late As Possible

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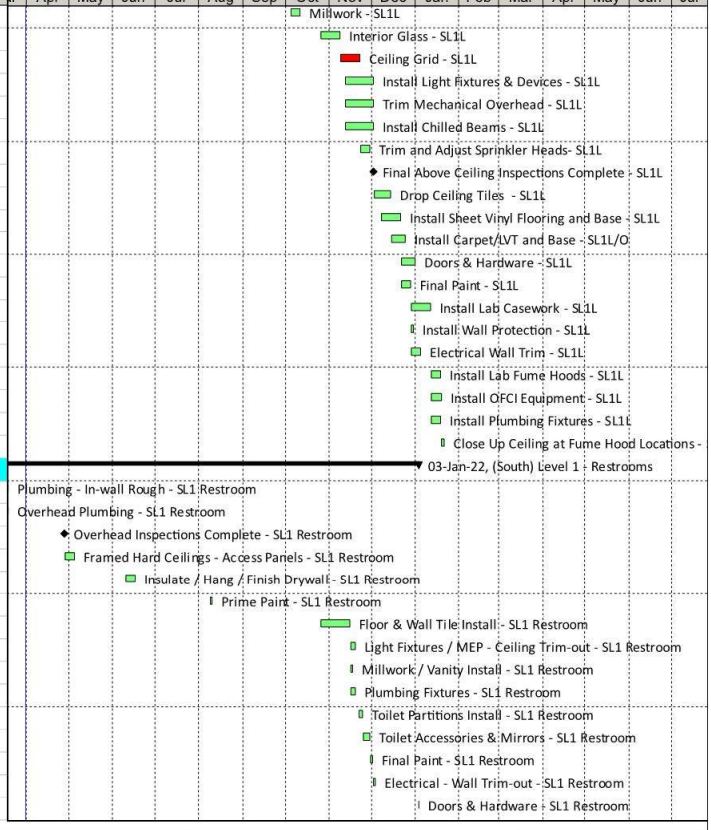
Florida Polytechnic Applied Research Center_CURRENT | **FPU - GMP3** | **Printed on:** 02-Jun-21; **Data Date:** 31-Mar-21

Activity ID	Activity Name	Org Dur	Start	Finish
CN-3252	Millwork - SL1L	5d	05-Oct-21	11-Oct-21
CN-3257	Interior Glass - SL1L	10d	26-Oct-21	08-Nov-21
CN-3253	Ceiling Grid - SL1L	10d	09-Nov-21	22-Nov-21
CN-3255	Install Light Fixtures & Devices - SL1L	15d	12-Nov-21	02-Dec-21
CN-3256	Trim Mechanical Overhead - SL1L	15d	12-Nov-21	02-Dec-21
CN-3281	Install Chilled Beams - SL1L	15d	12-Nov-21	02-Dec-21
CN-3242	Trim and Adjust Sprinkler Heads- SL1L	5d	23-Nov-21	29-Nov-21
CN-3258	Final Above Ceiling Inspections Complete - SL1L	0d		02-Dec-21
CN-3259	Drop Ceiling Tiles - SL1L	8d	03-Dec-21	14-Dec-21
CN-3260	Install Sheet Vinyl Flooring and Base - SL1L	10d	08-Dec-21	21-Dec-21
CN-3261	Install Carpet/LVT and Base - SL1L/O	8d	15-Dec-21	24-Dec-21
CN-3251	Doors & Hardware - SL1L	8d	22-Dec-21	31-Dec-21
CN-3262	Final Paint - SL1L	5d	22-Dec-21	28-Dec-21
CN-3264	Install Lab Casework - SL1L	10d	29-Dec-21	11-Jan-22
CN-3267	Install Wall Protection - SL1L	2d	29-Dec-21	30-Dec-21
CN-3270	Electrical Wall Trim - SL1L	5d	29-Dec-21	04-Jan-22
CN-3263	Install Lab Fume Hoods - SL1L	5d	12-Jan-22	18-Jan-22
CN-3265	Install OFCI Equipment - SL1L	6d	12-Jan-22	19-Jan-22
CN-3269	Install Plumbing Fixtures - SL1L	5d	12-Jan-22	18-Jan-22
CN-3268	Close Up Ceiling at Fume Hood Locations - SL1L	3d	19-Jan-22	21-Jan-22
(South) Level 1 - Restrooms		210d	03-Feb-21 A	03-Jan-22
CN-3118	Plumbing - In-wall Rough - SL1 Restroom	8d	03-Feb-21 A	19-Mar-21 A
CN-3122	Overhead Plumbing - SL1 Restroom	5d	03-Feb-21 A	19-Mar-21 A
CN-3125	Overhead Inspections Complete - SL1 Restroom	0d		27-Apr-21
CN-3124	Framed Hard Ceilings - Access Panels - SL1 Restroom	5d	28-Apr-21	04-May-21
CN-3126	Insulate / Hang / Finish Drywall - SL1 Restroom	5d	10-Jun-21	16-Jun-21
CN-3127	Prime Paint - SL1 Restroom	2d	09-Aug-21	10-Aug-21
CN-3128	Floor & Wall Tile Install - SL1 Restroom	15d	26-Oct-21	15-Nov-21
CN-3129	Light Fixtures / MEP - Ceiling Trim-out - SL1 Restroom	4d	16-Nov-21	19-Nov-21
CN-3130	Millwork / Vanity Install - SL1 Restroom	2d	16-Nov-21	17-Nov-21
CN-3131	Plumbing Fixtures - SL1 Restroom	4d	16-Nov-21	19-Nov-21
CN-3132	Toilet Partitions Install - SL1 Restroom	3d	22-Nov-21	24-Nov-21
CN-3133	Toilet Accessories & Mirrors - SL1 Restroom	3d	25-Nov-21	29-Nov-21
CN-3134	Final Paint - SL1 Restroom	2d	30-Nov-21	01-Dec-21
CN-3136	Electrical - Wall Trim-out - SL1 Restroom	2d	02-Dec-21	03-Dec-21
CN-3135	Doors & Hardware - SL1 Restroom	1d	03-Jan-22	03-Jan-22



Remaining Level of Effort | Actual Work | Critical Remaining W...
Actual Level of Effort | Remaining Work | As Late As Possible

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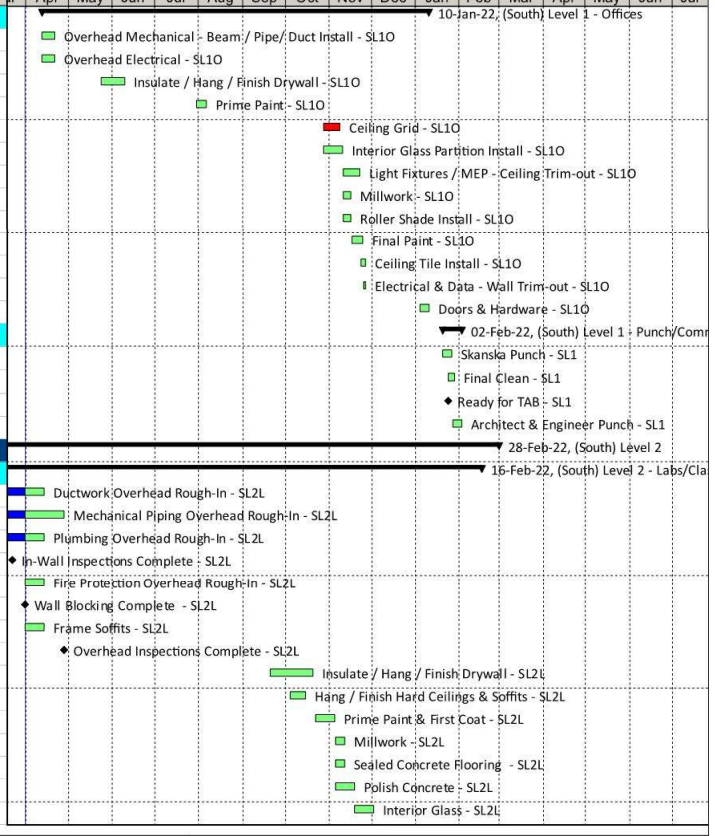
Activity ID	Activity Name	Org Dur	Start	Finish
	(South) Level 1 - Offices	194d	12-Apr-21	10-Jan-22
CN-3044	Overhead Mechanical - Beam / Pipe/ Duct Install - SL1O	8d	12-Apr-21	21-Apr-21
CN-3045	Overhead Electrical - SL1O	8d	12-Apr-21	21-Apr-21
CN-3043	Insulate / Hang / Finish Drywall - SL1O	12d	24-May-21	09-Jun-21
CN-3047	Prime Paint - SL1O	6d	30-Jul-21	06-Aug-21
CN-3048	Ceiling Grid - SL1O	8d	28-Oct-21	08-Nov-21
CN-3049	Interior Glass Partition Install - SL1O	10d	28-Oct-21	10-Nov-21
CN-3051	Light Fixtures / MEP - Ceiling Trim-out - SL1O	8d	11-Nov-21	22-Nov-21
CN-3052	Millwork - SL1O	4d	11-Nov-21	16-Nov-21
CN-3053	Roller Shade Install - SL1O	4d	11-Nov-21	16-Nov-21
CN-3054	Final Paint - SL1O	6d	17-Nov-21	24-Nov-21
CN-3055	Ceiling Tile Install - SL1O	4d	23-Nov-21	26-Nov-21
CN-3056	Electrical & Data - Wall Trim-out - SL1O	2d	25-Nov-21	26-Nov-21
CN-3050	Doors & Hardware - SL1O	5d	04-Jan-22	10-Jan-22
	(South) Level 1 - Punch/Comm/Clean	10d	20-Jan-22	02-Feb-22
CS-2073	Skanska Punch - SL1	5d	20-Jan-22	26-Jan-22
CS-2074	Final Clean - SL1	5d	24-Jan-22	28-Jan-22
CN-3283	Ready for TAB - SL1	0d	24-Jan-22	
CS-2075	Architect & Engineer Punch - SL1	5d	27-Jan-22	02-Feb-22
	(South) Level 2	376d	09-Sep-20 A	28-Feb-22
	(South) Level 2 - Labs/Classrooms	368d	09-Sep-20 A	16-Feb-22
CN-3201	Ductwork Overhead Rough-In - SL2L	20d	09-Sep-20 A	13-Apr-21
CN-3203	Mechanical Piping Overhead Rough-In - SL2L	20d	26-Oct-20 A	27-Apr-21
CN-3199	Plumbing Overhead Rough-In - SL2L	20d	04-Nov-20 A	13-Apr-21
CN-3205	In-Wall Inspections Complete - SL2L	0d		22-Mar-21 A
CN-3195	Fire Protection Overhead Rough-In - SL2L	10d	31-Mar-21	13-Apr-21
CN-3206	Wall Blocking Complete - SL2L	0d		31-Mar-21
CN-3208	Frame Soffits - SL2L	10d	31-Mar-21	13-Apr-21
CN-3207	Overhead Inspections Complete - SL2L	0d		27-Apr-21
CN-3209	Insulate / Hang / Finish Drywall - SL2L	23d	20-Sep-21	20-Oct-21
CN-3210	Hang / Finish Hard Ceilings & Soffits - SL2L	10d	04-Oct-21	15-Oct-21
CN-3211	Prime Paint & First Coat - SL2L	10d	22-Oct-21	04-Nov-21
CN-3214	Millwork - SL2L	5d	05-Nov-21	11-Nov-21
CN-3212	Sealed Concrete Flooring - SL2L	5d	05-Nov-21	11-Nov-21
CN-3216	Polish Concrete - SL2L	10d	05-Nov-21	18-Nov-21
CN-3219	Interior Glass - SL2L	10d	19-Nov-21	02-Dec-21



Remaining Level of Effort | Actual Work | Critical Remaining W...
Actual Level of Effort | Remaining Work | As Late As Possible

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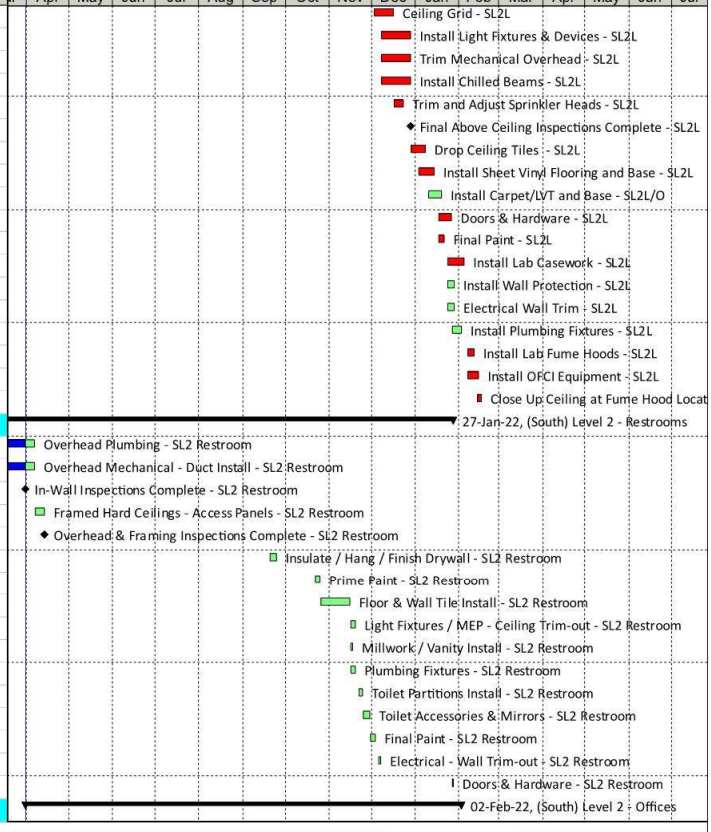
Florida Polytechnic Applied Research Center_CURRENT | **FPU - GMP3** | **Printed on:** 02-Jun-21; **Data Date:** 31-Mar-21

Activity ID	Activity Name	Org Dur	Start	Finish
CN-3215	Ceiling Grid - SL2L	10d	03-Dec-21	16-Dec-21
CN-3217	Install Light Fixtures & Devices - SL2L	15d	08-Dec-21	28-Dec-21
CN-3218	Trim Mechanical Overhead - SL2L	15d	08-Dec-21	28-Dec-21
CN-3282	Install Chilled Beams - SL2L	15d	08-Dec-21	28-Dec-21
CN-3204	Trim and Adjust Sprinkler Heads - SL2L	5d	17-Dec-21	23-Dec-21
CN-3220	Final Above Ceiling Inspections Complete - SL2L	0d		28-Dec-21
CN-3221	Drop Ceiling Tiles - SL2L	8d	29-Dec-21	07-Jan-22
CN-3222	Install Sheet Vinyl Flooring and Base - SL2L	10d	03-Jan-22	14-Jan-22
CN-3223	Install Carpet/LVT and Base - SL2L/O	8d	10-Jan-22	19-Jan-22
CN-3213	Doors & Hardware - SL2L	8d	17-Jan-22	26-Jan-22
CN-3224	Final Paint - SL2L	5d	17-Jan-22	21-Jan-22
CN-3226	Install Lab Casework - SL2L	10d	24-Jan-22	04-Feb-22
CN-3229	Install Wall Protection - SL2L	5d	24-Jan-22	28-Jan-22
CN-3232	Electrical Wall Trim - SL2L	5d	24-Jan-22	28-Jan-22
CN-3231	Install Plumbing Fixtures - SL2L	5d	27-Jan-22	02-Feb-22
CN-3225	Install Lab Fume Hoods - SL2L	5d	07-Feb-22	11-Feb-22
CN-3227	Install OFCI Equipment - SL2L	6d	07-Feb-22	14-Feb-22
CN-3230	Close Up Ceiling at Fume Hood Locations - SL2L	3d	14-Feb-22	16-Feb-22
(South) Level 2 - Restrooms		280d	09-Nov-20 A	27-Jan-22
CN-3142	Overhead Plumbing - SL2 Restroom	5d	09-Nov-20 A	06-Apr-21
CN-3139	Overhead Mechanical - Duct Install - SL2 Restroom	5d	16-Nov-20 A	06-Apr-21
CN-3143	In-Wall Inspections Complete - SL2 Restroom	0d		31-Mar-21
CN-3144	Framed Hard Ceilings - Access Panels - SL2 Restroom	5d	07-Apr-21	13-Apr-21
CN-3145	Overhead & Framing Inspections Complete - SL2 Restroom	0d		13-Apr-21
CN-3146	Insulate / Hang / Finish Drywall - SL2 Restroom	5d	20-Sep-21	24-Sep-21
CN-3147	Prime Paint - SL2 Restroom	2d	22-Oct-21	25-Oct-21
CN-3148	Floor & Wall Tile Install - SL2 Restroom	15d	26-Oct-21	15-Nov-21
CN-3149	Light Fixtures / MEP - Ceiling Trim-out - SL2 Restroom	4d	16-Nov-21	19-Nov-21
CN-3150	Millwork / Vanity Install - SL2 Restroom	2d	16-Nov-21	17-Nov-21
CN-3151	Plumbing Fixtures - SL2 Restroom	4d	16-Nov-21	19-Nov-21
CN-3152	Toilet Partitions Install - SL2 Restroom	3d	22-Nov-21	24-Nov-21
CN-3153	Toilet Accessories & Mirrors - SL2 Restroom	3d	25-Nov-21	29-Nov-21
CN-3154	Final Paint - SL2 Restroom	4d	30-Nov-21	03-Dec-21
CN-3156	Electrical - Wall Trim-out - SL2 Restroom	2d	06-Dec-21	07-Dec-21
CN-3155	Doors & Hardware - SL2 Restroom	1d	27-Jan-22	27-Jan-22
(South) Level 2 - Offices		219d	31-Mar-21	02-Feb-22



Remaining Level of Effort | Actual Work | Critical Remaining W...
Actual Level of Effort | Remaining Work | As Late As Possible

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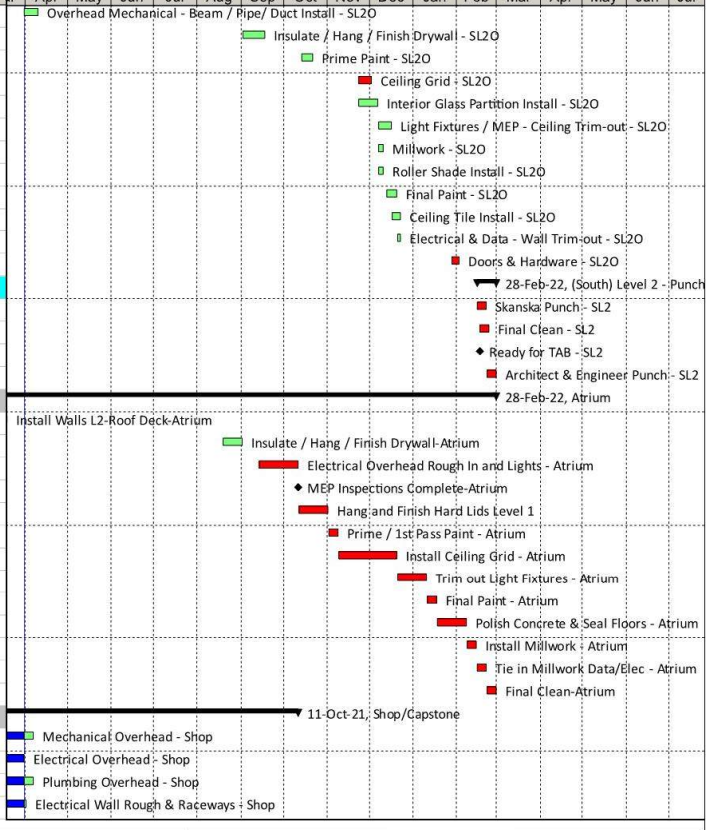
EXHIBIT B

Florida Polytechnic Applied Research Center_CURRENT | **FPU - GMP3** | **Printed on:** 02-Jun-21; **Data Date:** 31-Mar-21

Activity ID	Activity Name	Org Dur	Start	Finish
CN-3062	Overhead Mechanical - Beam / Pipe/ Duct Install - SL2O	8d	31-Mar-21	09-Apr-21
CN-3061	Insulate / Hang / Finish Drywall - SL2O	12d	02-Sep-21	17-Sep-21
CN-3065	Prime Paint - SL2O	6d	14-Oct-21	21-Oct-21
CN-3066	Ceiling Grid - SL2O	8d	23-Nov-21	02-Dec-21
CN-3067	Interior Glass Partition Install - SL2O	10d	23-Nov-21	06-Dec-21
CN-3069	Light Fixtures / MEP - Ceiling Trim-out - SL2O	8d	07-Dec-21	16-Dec-21
CN-3070	Millwork - SL2O	4d	07-Dec-21	10-Dec-21
CN-3071	Roller Shade Install - SL2O	4d	07-Dec-21	10-Dec-21
CN-3072	Final Paint - SL2O	6d	13-Dec-21	20-Dec-21
CN-3073	Ceiling Tile Install - SL2O	4d	17-Dec-21	22-Dec-21
CN-3074	Electrical & Data - Wall Trim-out - SL2O	2d	21-Dec-21	22-Dec-21
CN-3068	Doors & Hardware - SL2O	4d	28-Jan-22	02-Feb-22
(South) Level 2 - Punch/Comm/Clean		10d	15-Feb-22	28-Feb-22
CS-2076	Skanska Punch - SL2	5d	15-Feb-22	21-Feb-22
CS-2078	Final Clean - SL2	5d	17-Feb-22	23-Feb-22
CN-3288	Ready for TAB - SL2	0d	17-Feb-22	
CS-2077	Architect & Engineer Punch - SL2	5d	22-Feb-22	28-Feb-22
Atrium		212d	05-Feb-21 A	28-Feb-22
CA-1009	Install Walls L2-Roof Deck-Atrium	20d	05-Feb-21 A	19-Mar-21 A
CA-1005	Insulate / Hang / Finish Drywall-Atrium	10d	19-Aug-21	01-Sep-21
CA-1001	Electrical Overhead Rough In and Lights - Atrium	20d	14-Sep-21	11-Oct-21
CA-1003	MEP Inspections Complete-Atrium	0d		11-Oct-21
CA-1017	Hang and Finish Hard Lids Level 1	15d	12-Oct-21	01-Nov-21
CA-1006	Prime / 1st Pass Paint - Atrium	5d	02-Nov-21	08-Nov-21
CA-1000	Install Ceiling Grid - Atrium	30d	09-Nov-21	20-Dec-21
CA-1007	Trim out Light Fixtures - Atrium	15d	21-Dec-21	10-Jan-22
CA-1016	Final Paint - Atrium	5d	11-Jan-22	17-Jan-22
CA-1010	Polish Concrete & Seal Floors - Atrium	15d	18-Jan-22	07-Feb-22
CA-1011	Install Millwork - Atrium	5d	08-Feb-22	14-Feb-22
CA-1018	Tie in Millwork Data/Elec - Atrium	5d	15-Feb-22	21-Feb-22
CA-1013	Final Clean-Atrium	5d	22-Feb-22	28-Feb-22
Shop/Capstone		178d	01-Feb-21 A	11-Oct-21
CH-1008	Mechanical Overhead - Shop	10d	01-Feb-21 A	06-Apr-21
CH-1009	Electrical Overhead - Shop	10d	01-Feb-21 A	31-Mar-21
CH-1010	Plumbing Overhead - Shop	10d	22-Feb-21 A	06-Apr-21
CH-1013	Electrical Wall Rough & Raceways - Shop	8d	01-Mar-21 A	01-Apr-21



Remaining Level of Effort | Actual Work | Critical Remaining W...
Actual Level of Effort | Remaining Work | As Late As Possible

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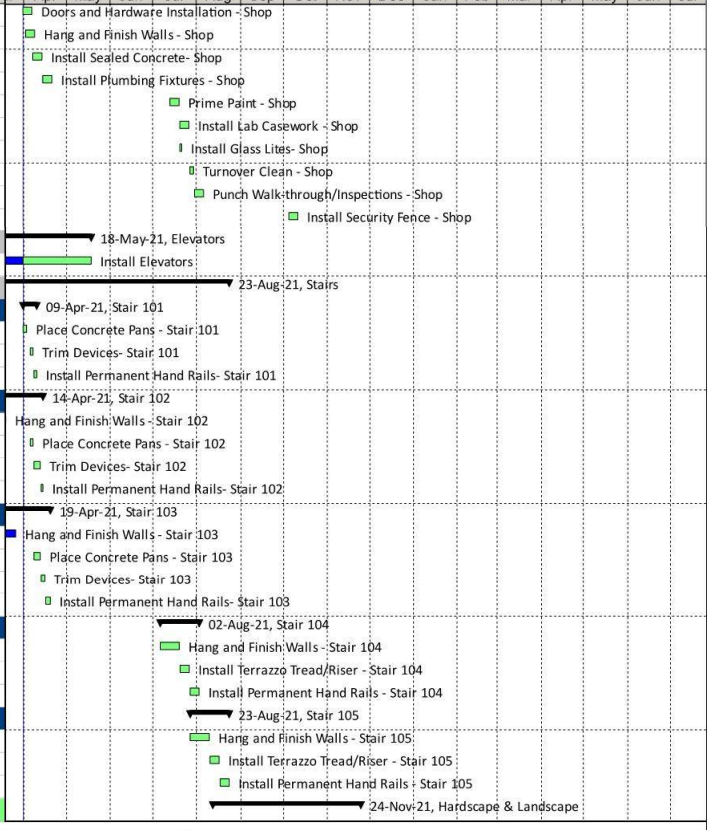
EXHIBIT B

Florida Polytechnic Applied Research Center_CURRENT | **FPU - GMP3** | **Printed on:** 02-Jun-21; **Data Date:** 31-Mar-21

Activity ID	Activity Name	Org Dur	Start	Finish
CH-1006	Doors and Hardware Installation - Shop	5d	31-Mar-21	06-Apr-21
CH-1017	Hang and Finish Walls - Shop	5d	02-Apr-21	08-Apr-21
CH-1015	Install Sealed Concrete- Shop	5d	07-Apr-21	13-Apr-21
CH-1018	Install Plumbing Fixtures - Shop	5d	14-Apr-21	20-Apr-21
CH-1019	Prime Paint - Shop	5d	13-Jul-21	19-Jul-21
CH-1020	Install Lab Casework - Shop	5d	20-Jul-21	26-Jul-21
CH-1021	Install Glass Lites- Shop	2d	20-Jul-21	21-Jul-21
CH-1003	Turnover Clean - Shop	3d	27-Jul-21	29-Jul-21
CH-1004	Punch Walk-through/Inspections - Shop	5d	30-Jul-21	05-Aug-21
CH-1022	Install Security Fence - Shop	5d	05-Oct-21	11-Oct-21
Elevators		35d	01-Mar-21 A	18-May-21
CE-1000	Install Elevators	35d	01-Mar-21 A	18-May-21
Stairs		134d	20-Jan-21 A	23-Aug-21
Stair 101		8d	31-Mar-21	09-Apr-21
CT-1006	Place Concrete Pans - Stair 101	3d	31-Mar-21	02-Apr-21
CT-1008	Trim Devices- Stair 101	3d	05-Apr-21	07-Apr-21
CT-1009	Install Permanent Hand Rails- Stair 101	2d	08-Apr-21	09-Apr-21
Stair 102		13d	15-Feb-21 A	14-Apr-21
CT-1012	Hang and Finish Walls - Stair 102	10d	15-Feb-21 A	19-Mar-21 A
CT-1011	Place Concrete Pans - Stair 102	3d	05-Apr-21	07-Apr-21
CT-1013	Trim Devices- Stair 102	3d	08-Apr-21	12-Apr-21
CT-1014	Install Permanent Hand Rails- Stair 102	2d	13-Apr-21	14-Apr-21
Stair 103		46d	20-Jan-21 A	19-Apr-21
CT-1017	Hang and Finish Walls - Stair 103	10d	20-Jan-21 A	26-Mar-21 A
CT-1016	Place Concrete Pans - Stair 103	3d	08-Apr-21	12-Apr-21
CT-1018	Trim Devices- Stair 103	3d	13-Apr-21	15-Apr-21
CT-1019	Install Permanent Hand Rails- Stair 103	2d	16-Apr-21	19-Apr-21
Stair 104		20d	06-Jul-21	02-Aug-21
CT-1022	Hang and Finish Walls - Stair 104	10d	06-Jul-21	19-Jul-21
A1039	Install Terrazzo Tread/Riser - Stair 104	5d	20-Jul-21	26-Jul-21
CT-1024	Install Permanent Hand Rails - Stair 104	5d	27-Jul-21	02-Aug-21
Stair 105		20d	27-Jul-21	23-Aug-21
CT-1027	Hang and Finish Walls - Stair 105	10d	27-Jul-21	09-Aug-21
A1040	Install Terrazzo Tread/Riser - Stair 105	5d	10-Aug-21	16-Aug-21
CT-1029	Install Permanent Hand Rails - Stair 105	5d	17-Aug-21	23-Aug-21
Hardscape & Landscape		75d	12-Aug-21	24-Nov-21



Remaining Level of Effort | Actual Work | Critical Remaining W...
Actual Level of Effort | Remaining Work | As Late As Possible

Page 14 of 15
TASK filters: In Progress, Level of Effort_1.

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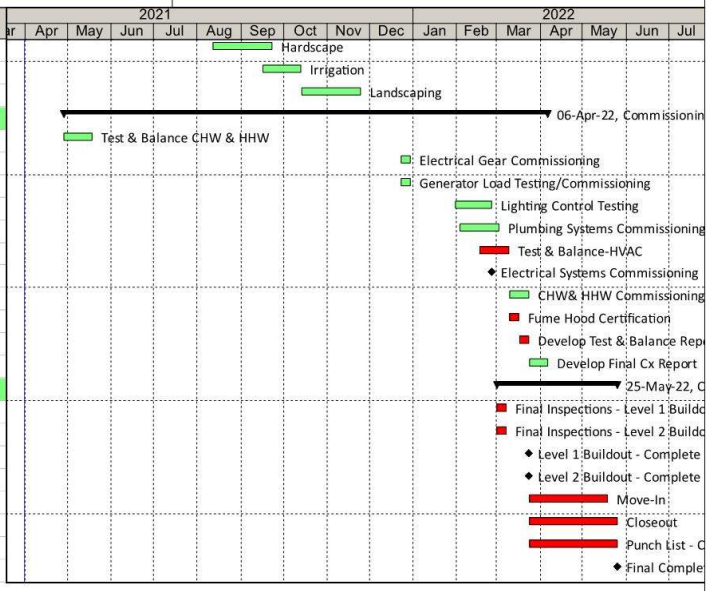
Florida Polytechnic Applied Research Center_CURRENT | **FPU - GMP3** | **Printed on:** 02-Jun-21; **Data Date:** 31-Mar-21

Activity ID	Activity Name	Org Dur	Start	Finish
HD-1000	Hardscape	30d	12-Aug-21	22-Sep-21
HD-1001	Irrigation	20d	16-Sep-21	13-Oct-21
HD-1002	Landscaping	30d	14-Oct-21	24-Nov-21
Commissioning		244d	28-Apr-21	06-Apr-22
CO-1011	Test & Balance CHW & HHW	15d	28-Apr-21	18-May-21
CO-1009	Electrical Gear Commissioning	5d	23-Dec-21	29-Dec-21
CO-1010	Generator Load Testing/Commissioning	5d	23-Dec-21	29-Dec-21
CO-1008	Lighting Control Testing	20d	31-Jan-22	25-Feb-22
CO-1003	Plumbing Systems Commissioning	20d	03-Feb-22	02-Mar-22
CO-1000	Test & Balance-HVAC	15d	17-Feb-22	09-Mar-22
CO-1004	Electrical Systems Commissioning	0d		25-Feb-22
CO-1001	CHW& HHW Commissioning	10d	10-Mar-22	23-Mar-22
CO-1006	Fume Hood Certification	5d	10-Mar-22	16-Mar-22
CO-1007	Develop Test & Balance Report	5d	17-Mar-22	23-Mar-22
CO-1005	Develop Final Cx Report	10d	24-Mar-22	06-Apr-22
Closeout		62d	01-Mar-22	25-May-22
CL-1000	Final Inspections - Level 1 Buildout	5d	01-Mar-22	07-Mar-22
CL-1006	Final Inspections - Level 2 Buildout	5d	01-Mar-22	07-Mar-22
CL-1001	Level 1 Buildout - Complete	0d		23-Mar-22
CL-1007	Level 2 Buildout - Complete	0d		23-Mar-22
CL-1002	Move-In	40d	24-Mar-22	18-May-22
CL-1003	Closeout	45d	24-Mar-22	25-May-22
CL-1004	Punch List - Complete	45d	24-Mar-22	25-May-22
CL-1005	Final Completion	0d		25-May-22



Remaining Level of Effort | Actual Work | Critical Remaining W...
Actual Level of Effort | Remaining Work | As Late As Possible

Page 15 of 15
TASK filters: In Progress, Level of Effort_1.

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EXHIBIT C

CONSTRUCTION MANAGER'S PERSONNEL

1.2 Project Team

Deviation from, or revisions to this list must be pre-approved in writing by the Owner's Project Manager. Construction Manager's employee rates will be subject to Article 4.3 of the Agreement.

Senior Vice President/ Account Manager – Chuck Jablon

Project Executive – Mark McLaughlin

Project Manager – Sarah Vasconi Vowels

~~Project Engineer – Katharine Hamer~~ (Removed from the project team)

Project Engineer – Mathew Warrilow

Project Accountant – Charlotte Santillana

Project Superintendent – Dale Striker

~~Project Superintendent – Mike Mealor~~ (Removed from the project team)

EXHIBIT D

GUARANTEED MAXIMUM PRICE PROPOSAL

GUIDELINES FOR CONSTRUCTION MANAGERS FOR THE PREPARATION OF GUARANTEED MAXIMUM PRICE PROPOSALS

MAJOR PROJECTS GUARANTEE MAXIMUM PRICE PROPOSAL

Project Name:	**FPU - Applied Research Center**	Date:	**6/08/2021**
FPU Building Name:	**Applied Research Center**	Architect/Engineer:	**HOK**
Constructor Manager:	**Skanska USA Building, Inc.**	A/E Project Manager	**Syve-roy Grant**
CM Project Manager:	**Sarah Vasconi Vowels**	FPU Project Manager:	**Brent McLean**
CM Project Executive:	**Mark McLaughlin**	FPU AVP F&SS:	**David Calhoun**

I. COST OF WORK

A. General Conditions

Skanska Site Personnel	$613,635
General Requirements - Site Office/ Monthly Expenses	$68,800
General Requirements - Trade Contractors	$147,258
Subtotal A – General Conditions/ General Requirements	**$ 829,693**

B. Self-Performed Work (requires Project Manager's Approval)

Subtotal B – Self-Performed Work	**$83,418**

C. Trade/Sub-Contract Work

Name:	Crisdel	Trade:	Site Remediation	**$87,527**
Name:	TBD	Trade:	Polished Concrete	**$141,682**
Name:	TBD	Trade:	Ornamental Metals - Railings	**$297,010**
Name:	TBD	Trade:	Millwork – Finish Carpentry	**$159,960**
Name:	TBD	Trade:	Interior Glass & Glazing	**$777,200**
Name:	Integrated Doors	Trade:	Doors & Hardware	**$359,818**
Name:	Overhead Door of Tampa Bay	Trade:	Loading Dock Equipment	**$25,419**
Name:	Kenpat	Trade:	Drywall (2nd Floor)	**$928,502**
Name:	TBD	Trade:	Acoustical Ceilings	**$252,145**
Name:	TBD	Trade:	Acoustical Drywall Ceilings	**$443,287**
Name:	C&C Paint	Trade:	Paint	**$188,750**
Name:	TBD	Trade:	Flooring – Resilient & Carpet	**$389,250**
Name:	TBD	Trade:	Tiling & Terrazzo	**$254,000**
Name:	TBD	Trade:	Resinous Flooring	**$6,700**
Name:	TBD	Trade:	Specialties & Furnishings	**$170,636**
Name:	TBD	Trade:	Signage	**$20,902**
Name:	Scott Laboratory	Trade:	Laboratory Casework	**$1,251,836**
Name:	TBD	Trade:	Window Treatment	**$213,961**
Name:	Tri-Tech	Trade:	Plumbing (Fixtures)	**$453,165**
Name:	Borrell Electric	Trade:	Electrical (Light Fixtures)	**$808,275**

Name:	TBD	Trade:	Communications	**$558,951**
Name:	TBD	Trade:	Landscape & Irrigation	**$270,140**

Subtotal C – Trade/Sub-Contract Work	**$7,466,519**
Cost of Work Subtotal (A+B+C)	**$8,379,630**

II.	**CM FEE (4.0%) X (A+B+C)**	**$385,586**
III.	**BONDS & INSURANCE** (Bonds are required for all projects over $100,000.00)	**$127,455**
IV.	**CM CONTINGENCY** (Negotiated % of Cost of Work Subtotal **A+B+C**)	**$251,389**
V.	**FPU PERMIT FEE**	**$0**
VI.	**PRE-CONSTRUCTION SERVICES** (Separate Agreement)	**$0**
	TOTAL GMP (I + II + III + IV + V+VI)	**$10,152,691**

VI. CONTRACT TIME: Calendar Days

Number of Days from **Notice to Proceed** to **Substantial Completion** **912**

VII. CLARIFICATIONS:

1. **See Clarifications, Qualification and Assumption section of GMP 3 Proposal**
2.

VIII. DRAWINGS AND SPECIFICATIONS:

(our price is as per the following drawing sheets and specifications)

1. **See Drawing Log attached to Exhibit A**
2.

IX. ATTACHMENTS:

1.
2.

XI. The undersigned have reviewed this proposal and recommend an award of a purchase order and Notice to Proceed for the described work.

UNIVERSITY APPROVAL

The undersigned have reviewed this proposal and recommend an award of a purchase order and Notice to Proceed for the described work.

Skanska USA Building Inc. will provide services to Florida Polytechnic University as described herein, subject to the governing terms of the Agreement between Skanska USA Building, Inc. and the Florida Polytechnic University Board of Trustees, pursuant to the Agreement For Construction Management Services dated July 2, 2018

The services will be properly invoiced based on the percentage of the actual services that have been completed in accordance with the terms of the Agreement between Skanska USA Building, Inc. and the Florida Polytechnic University Board of Trustees pursuant to the Agreement For Construction Management Services dated July 2, 2018

UNIVERSITY:

The Florida Polytechnic University

Board of Trustees

Signature

Print Name

Date

CONTRACTOR:

Skanska USA Building Inc.

DocuSigned by:
Michael C. Brown
277A3B9E7E99482...

Signature

Michael C. Brown

Print Name EVP

June 22, 2021

Date

Approved as to form and legality:

BY: _____
Florida Poly Attorney

DATE: _____

Approved by University Board of Trustees

DATE: _____

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EXHIBIT D

GMP-03 - Proposal Summary

June 8, 2021

Pkg	Package Description	Package Price	VE	GMP-03	Cost / SF 95,000	NOTES
01A	General Requirements/GC's	$ 68,800		$ 68,800	$0.72	Aug 2021 - End of March 2022 (+ 1 mth Trailer Demobilization)
01B	General Requirements/Trade GR's	$ 147,257		$ 147,257	$1.55	Aug 2021 - End of March 2022 + Final Clean
03A	CIP Structural Concrete	$ 103,418	$ (20,000)	$ 83,418	$1.09	ASI-002 changes
03B	Polished Concrete	$ 141,682		$ 141,682	$1.49	
05B	Ornamental Metals/Railings	$ 297,010		$ 297,010	$3.13	
06A	Millwork	$ 159,960		$ 159,960	$1.68	
08B	Interior Glass & Glazing	$ 777,200		$ 777,200	$8.18	Allowance included for STC Rating: $41,000
08C	Doors, Frames & Hardware	$ 359,818		$ 359,818	$3.79	
08D	Overhead Coiling Doors & Loading Dock Equip.	$ 25,419		$ 25,419	$0.27	Vehicle Lift
09A	Interior Drywall & Framing	$ 928,502		$ 928,502	$9.77	Remainder of scope on 2nd floor only
09B	Acoustical Ceilings	$ 252,145		$ 252,145	$2.65	
09C	Flooring - Resilient & Carpet	$ 389,250		$ 389,250	$4.10	
09D	Tiling & Terrazzo	$ 254,000		$ 254,000	$2.67	
09E	Resinous Flooring	$ 6,700		$ 6,700	$0.07	
09F	Painting	$ 188,750		$ 188,750	$1.99	
09G	Acostical Drywall Ceilings	$ 443,287		$ 443,287	$4.67	
10A	Specialties & Furnishings	$ 200,246	$ (29,610)	$ 170,636	$2.11	
-	Mobile Storage Unit	$ 33,636	$ (33,636)	$ -	$0.35	
10B	Signage	$ 20,902		$ 20,902	$0.22	
11A	Laboratory Equipment & Casework	$ 2,151,627	$ (899,791)	$ 1,251,836	$22.65	
12A	Window Treatment	$ 213,961		$ 213,961	$2.25	
22A	Plumbing	$ 453,165		$ 453,165	$4.77	Fixtures, Valves, and Lab Equipment
26A	Electrical	$ 808,275		$ 808,275	$8.51	Light Fixtures
27A	Communications & Security/Access Control	$ 558,951		$ 558,951	$5.88	
27B	Emergency Responder Radio Reinforcement	$ 54,402		$ 54,402	$0.57	
31A	Sitework	$ 87,527		$ 87,527	$0.92	Site Remediation
32A	Landscape & Irrigation	$ 270,140		$ 270,140	$2.84	Allowance included for Benches: $20,000
ALL	Waterproofing & Water Testing Allowance	$ (33,363)		$ (33,363)	-$0.35	
	Subtotal Cost of Work:	**$9,362,667**	**-$983,037**	**$8,379,630**	**$98.55**	
LS	General Conditions			$ 613,635	$6.46	End of March 2021 + (2) months close-out offsite
LS	Misc. Permits/Fees			$ -	$0.00	By Owner
0.00%	Sales Tax			$ -	$0.00	By Owner
2.58%	CCIP			$ 261,939	$2.76	
1.42%	SDI			$ 133,056	$1.40	
3.00%	CM Contingeny			$ 251,389	$2.65	
	Subtotal:			**$9,639,650**	**$98.55**	
4.00%	Fee			$ 385,586	$4.06	
LS	Payment & Performance Bond			$ 33,373	$0.35	Included in GMP-01: up to $34M; Increase to $39.5M
LS	Builder's Risk			$ 94,082	$0.99	Included in GMP-01: up to $31M; Increase to $39.5M
	Total:			**$10,152,691**	**$0.00**	

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EXHIBIT D

GMP-03 Proposal Detail – General Requirements and General Conditions

*All Costs are Order-of-Magnitude

June 8, 2021

Package		Qty	Unit	Unit Cost	Total	Notes
01A	**General Conditions & Requirements**					
	Trailer	8	MOS	$ 3,000	$ 24,000	End of April 2022 (Demob)
	Trailer In & Out	1	LS	$ -	$ -	
	Office Furniture	1	LS	$ -	$ -	
	Office/ Cleaning Supplies	7	MOS	$ 350	$ 2,450	
	Drinking Water/ Coffee Supplies	7	MOS	$ 200	$ 1,400	
	Copier Lease/ Supplies	7	MOS	$ 600	$ 4,200	
	Computers & Software	7	MOS	$ 500	$ 3,500	
	Skanska Software Licenses	7	MOS	$ 2,300	$ 16,100	.15% of contract value
	Postage/ Courier	7	MOS	$ 100	$ 700	
	Reprographics	7	MOS	$ 100	$ 700	
	Project Archiving/ Document Retention	7	MOS	$ 275	$ 1,925	
	Check Precessing Fees	7	MOS	$ 750	$ 5,250	
	Safety Equipment	7	MOS	$ 375	$ 2,625	
	Small Tools	7	MOS	$ 850	$ 5,950	
				TOTAL	**$ 68,800**	

01B	**General Requirements Trade Work**					
	Materials Testing	1	LS	$ -	$ -	Included in GMP-01
	Aerial Photography	7	MOS	$ 100	$ 700	
	Survey & Layout	1	LS	$ -	$ -	Included in GMP-01
	Temp Toilets	7	MOS	$ 600	$ 4,200	
	Dumpsters	7	MOS	$ 2,900	$ 20,300	
	Street Sweeping (Equipment Rental)	7	MOS	$ 1,815	$ 12,705	
	Composite Cleanup Supervision (add to Site Clean-Up Budget)	260	HRS	$ 38	$ 9,927	
	Site Clean-Up: Field Labor	1,085	HRS	$ 38	$ 41,425	
	Floor Protection	1	LS	$ 20,000	$ 20,000	
	Final Clean	1	LS	$ 38,000	$ 38,000	$.40 per sf
				TOTAL	**$ 147,257**	

PERSONNEL- GC's		PCO-011 Construction						Close-Out		Total Hours	Rate	Total Cost	
		J	A	S	O	N	D	J	F				
		Mo. 1	Mo. 2	Mo. 3	Mo. 4	Mo. 5	Mo. 5	Mo. 6	Mo. 7				
On-Site Operations													
Account Manager	Chuck Jablon	20	20	0	0	0	0	0	0	40	$200.00	$ 8,000.00	
Project Executive	Mark McLaughlin	87	87	0	0	0	0	0	0	174	$175.00	$ 30,450.00	
Project Manger	Sarah Vasconi Vowels	174	174	174	0	0	0	0	0	522	$110.00	$ 57,420.00	
Project Engineer	Mat Warrilow	174	174	174	0	0	0	0	0	522	$80.00	$ 41,760.00	
Superintendent	Dale Striker	174	174	0	0	0	0	0	0	348	$120.00	$ 41,760.00	
On-Site Support													
EHS	Various	20	20	0	0	0	0	0	0	40	$85.00	$ 3,400.00	
Scheduling Manager	Andres DoSantos	8	8	0	0	0	0	0	0	16	$110.00	$ 1,760.00	
IT Technician	Ryan Samaro	4	4	0	0	0	0	0	0	8	$95.00	$ 760.00	
Contracts Manager	Linda Miller	24	24	0	0	0	0	0	0	48	$55.00	$ 2,640.00	
Project Accountant	Charlotte Santillana	87	87	87	0	0	0	0	87	348	$65.00	$ 22,620.00	
Project Controls Manager	David Letlow	4	4	4	0	0	0	0	0	12	$95.00	$ 1,140.00	
										2,078		**$211,710**	*Included in PCO-011

PERSONNEL- GC's		GMP-03 Construction									Close-Out		Total Hours	Rate	Total Cost
		J	A	S	O	N	D	J	F	M	A	M			
		Mo. 1	Mo. 2	Mo. 3	Mo. 4	Mo. 5	Mo. 5	Mo. 6	Mo. 7	Mo. 8	Mo. 9	Mo. 10			
On-Site Operations															
Account Manager	Chuck Jablon	0	0	20	20	20	20	20	20	20	0	0	140	$200.00	$ 28,000.00
Project Executive	Mark McLaughlin	0	0	87	87	87	87	87	87	87	0	0	609	$175.00	$ 106,575.00
Project Manger	Sarah Vasconi Vowels	0	0	0	174	174	174	174	174	174	174	174	1392	$110.00	$ 153,120.00
Project Engineer	Mat Warrilow	0	0	0	174	174	174	174	174	174	174	174	1392	$80.00	$ 111,360.00
Superintendent	Dale Striker	0	0	174	174	174	174	174	174	174	0	0	1218	$120.00	$ 146,160.00
On-Site Support															
EHS	Various	0	0	20	20	20	20	20	20	20	0	0	140	$85.00	$ 11,900.00
Scheduling Manager	Andres DoSantos	0	0	8	8	8	8	8	8	8	0	0	56	$110.00	$ 6,160.00
IT Technician	Ryan Samaro	0	0	4	4	4	4	4	4	4	0	0	28	$95.00	$ 2,660.00
Contracts Manager	Linda Miller	0	0	24	0	0	0	0	0	0	0	0	24	$55.00	$ 1,320.00
Project Accountant	Charlotte Santillana	0	0	0	87	87	87	87	87	87	87	87	696	$65.00	$ 45,240.00
Project Controls Manager	David Letlow	0	0	0	4	4	4	0	0	0	0	0	12	$95.00	$ 1,140.00
													5,707		**$613,635**

Cost Basis of Guaranteed Maximum Price Proposal – GMP 03

Skanska USA's Guaranteed Maximum Price Proposal is based upon the following:

1. Plans, Specifications, and other documents per the document log shown in Section Three - Appendices.
2. Exclusions, Qualifications, and Assumptions.
3. Skanska's Construction Schedule.
4. Skanska's Site Logistics and Site Utilization Plans.

The GMP 03 Proposal includes Assumptions, Clarifications and Exclusions to define project costs, schedule, logistics and project safety. We have taken this information and coordinated it with the design team and prepared the Guaranteed Maximum Price for a complete project.

This GMP is for the interior finishes and exterior landscaping/irrigation portions of the work only.

Start of Work

The GMP 03 Proposal and related schedule are based on 100% Conformed Construction Documents dated March 09, 2020.

A Notice to Proceed for work to begin on September 23, 2019 was previously issued as part of the GMP 01 – Sitework and Structure Component GMP. The work included in the GMP 03 – Interior Build-out Component GMP Package will begin immediately upon the acceptance of this GMP Amendment and will be executed in accordance with the Project Schedule included as part of this GMP.

As long as contract terms are adhered to, specifically item relating to Article 16.5, Skanska reserves its rights to request an equitable adjustment of schedule time and corresponding general conditions/ general requirements costs as a result of design completion or submittal/RFI review milestone dates that are not achieved by the Design Team as indicated in the Project Schedule, after the date this GMP Proposal is in effect in accordance with the Agreement, included in GMP 03, or any other issue that affects the schedule that is beyond Skanska's control and/or as permitted under the Contract Documents.

This GMP 03 Proposal is good for 30 days from the date of submission. Any delay in the issuance of written approval to proceed with this work may result in an increase to the amount set forth in this GMP 03 Proposal and adjustments to account for any impact to the schedule for the Work contemplated by this GMP 03 Proposal, and in accordance with the contract for construction.

General Qualifications, Clarifications and Assumptions

General Clarifications listed below define items that are not carried within the base scope of this project. The General Clarifications also provide detailed information regarding items that may not be indicated in the Construction Documents but are included in this GMP Proposal. The Clarifications below provide clarity for the design elements and scope that will be provided by others:

1. All General Qualifications, Clarifications and Assumptions included in GMP 01 and 02 are hereby incorporated in this GMP 03 Proposal.
2. Skanska has not included an escalation contingency, in excess of 30 days from the date of June 08, 2021, in the proposed GMP to account for any increases in the Cost of the Work arising from unanticipated increases in the cost of temporary or permanent commodities, materials and/or equipment used in the performance of or incorporated into the completed Work in accordance with the included Project Schedule in GMP 03. The proposed GMP is based on the pricing obtained on or before the date of this GMP Proposal and expressly excludes all additional/increased costs that may arise or be associated with tariffs, duties and other impositions and related or unrelated price escalation occurring after the date of this GMP Proposal. Construction Manager may be entitled to a Change Order equitably adjusting the GMP to account for any justifiable price escalation which occurs after 30 days of this GMP Proposal.

   This GMP Proposal is based on the assumption that materials and equipment are from the applicable suppliers/manufacturer's standard selections and configurations, unless expressly noted otherwise in the Drawings or Specifications.
3. In light of current market conditions of construction materials, the Owner agrees that Skanska will be entitled to an equitable adjustment of the time for performance and value (including General Conditions and Requirements) of the GMP for delays beyond Skanska's reasonable control, including delays caused by unusual delays to delivery of construction materials and equipment necessary for the completions of the Project. If any materials or equipment become unavailable Skanska will suggest proposed alternatives to the extent they are available and if accepted by the Architect and Owner the alternatives will be incorporated into the design of the Project by the Owner. If Skanska demonstrates a schedule delay was caused by a material or equipment delay that was beyond their reasonable control, then that delay becomes a compensable delay as defined in Article 17.4 of the contract.
4. Skanska has no obligation to directly or indirectly perform or accept any liability for professional design obligations delegated through the Drawings and/or Specifications except to the extent any such design responsibility is expressly identified at the end of this paragraph This GMP Proposal therefore excludes all costs, duties and/or obligations for delegated design not specifically identified herein. For those delegated design elements identified, design services (including without limitation the preparation of calculations, drawings, specifications and certifications) will be provided directly or indirectly by Subcontractors. Skanska will not independently verify or evaluate any delegated design performed and will rely solely on such Subcontractors for the performance of such delegated design. This GMP Proposal therefore excludes any and all costs and expenses for services to conduct an independent review of such delegated design and assumes that Skanska's liability arising out of the performance of such delegated design shall be limited to and in no event exceed the liability to Skanska assumed by any Subcontractor in its contractual relationship with Skanska in connection with the Project.

The delegated design and/or performance based elements of this GMP 03 Proposal, including engineered shop drawings required by specification include the following:

- Glass Guardrail
- Irrigation
- Emergency Responder Radio Reinforcement System

5. This GMP Proposal excludes the provision of a professional engineer's stamp on any shop drawings or fabrication drawings, except as otherwise provided with respect to delegated design elements identified above.

6. In effort to reduce the overall cost of the Project and maintain the Owner's desired schedule, Skanska, FPU and the Design Team collaborated to identify certain changes to the scope of Work currently depicted on the Drawings and Specifications identified in the Document List, such changes are identified on the Approved Value Engineering (VE) Log below. Owner acknowledges that the Approved VE items are not currently reflected in the Drawings and Specifications identified in the Document List and that the Design Team will ultimately revise the documents to incorporate all the Approved VE Items.

   This proposed GMP accounts for and is expressly conditioned upon the Design Team incorporating all the Approved VE Items into the Final Drawings and Specifications. The Owner acknowledges that (i) the individual line item estimates and the aggregate estimate for the Approved VE Items are nonbinding estimated values and are subject to change based on scope contained and pricing obtained based on the final drawings and specifications, (ii) if the final drawings and specifications do not, in the reasonable opinion of all parties, accurately conform to the Approved VE Items described in the Approved Value Engineering Log, it is agreed the Owner, Skanska and the Design Team shall continue to develop value engineering items and/or other cost savings measures necessary to achieve the project budget. If the project budget is not ultimately achieved form this continued value engineering/cost savings effort, Skanska shall be entitled to a Change Order equitably adjusting the GMP and extending the Project Schedule, as and if necessary, to account for any and all nonconformities.

Value Engineering Log

VE	Bid Package	Description	Amount GMP-02	Amount GMP-03	Notes
VE-01	07A	Eliminate the Coping Cap	$ -	$ -	Code does not allow the deletion at the parapets
VE-02	07A	Reduce walkpad protection – eliminate off the N and S Buildings	$ 12,375	$ -	Accepted; Sutter Pricing
VE-03	07A	Cost for 25year Warranty and Puncture Rider	$ 14,075	$ -	$14,075 Can elect not to provide
VE-04	07C	Delete Centria Panels	$ -	$ -	Assumed in Bid pricing
VE-05	07C	Sto Soffits instead of ACM	$ 25,610	$ -	Deduct $99,050 for ACM; Add for Stucco ($24ƒSF Add) +$73,440; Accepted
VE-06	08A	Shadow Box Deletion	$ 57,100	$ -	Accepted
VE-07	08C	Door Hardware Refinements	$ -	$ -	Hardware spec updated
VE-08	09A	Eliminate Baswaphon Acoustical Plaster – Replace with USG Assembly	$ -	$ -	Raynor (apparent low) pricing did not include the Baswaphon – included USG. Assumed in Bid pricing.
VE-09	09C	Eliminate Moisture Mitigation	$ -	$ -	Accepted – Not included in GMP–03
VE-10	09C	Carpet Spec Change – currently budgeted at $32.00ƒSF	$ -	$ -	$10,000; Currently not pursuing
VE-11	21A	Eliminate the Dry Sprinkler Heads Under the Cantilever	$ -	$ -	Not worth the savings – less than $3,000
VE-12	21A	Window Sprinkler System at Atrium Glazing	$ -	$ -	Already Taken – but soffits on the Atruim Side need to be adjusted to conceal piping
VE-13	22A	CPVC in liue of Copper (Tri–tech)	$ -	$ -	Not accepted – per FPU
VE-14	22A	Use PVC for AG Sanitary/Storm (Tri–tech)	$ 52,000	$ -	Accepted – Included in PCO–05
VE-15	22A	Lab Waste/Chemdrain in lieu of Orion/Enfield (Tri–tech)	$ 46,200	$ -	Accepted – Included in PCO–05
VE-16	22A	Delete DCW & CSW insulation (Tri–tech)	$ 42,750	$ -	Accepted; Confirmed IST Building did not have these pipes insulated – Included in PCO–05
VE-17	23A	Accutrol Valves in Liue of Phoenix Lab Valves	$ 125,000	$ -	Accepted
VE-18	23A	Delete pre–conditioning sections for OA on all AHU's Relocate preheat coil in main unit	$ -	$ -	Not accepted – per FPU
VE-19	23A	Galvanized Lab Exhaust Main Ductwork in lieu of SS	$ -	$ -	Not accepted – per FPU
VE-20	26A	Delete DAS System	$ -	$ -	Assumed in Bid pricing
VE-21	26A	Delete Network Lighting Controls – provide Basic only	$ -	$ -	Assumed in Bid pricing
VE-22	26A	Lighting Alternate Package	$ -	$ -	Accepted; Alternate Lighting Package selected. Included in GMP–03
VE-23	26A	MC Cable for Receptacles – in wall rough only	$ 43,000	$ -	Accepted
VE-24	26A	Aluminum Buss in lieu of Copper Buss for Switchgear	$ 9,100	$ -	Accepted
VE-25	09H	Reduce the amount of polished concrete in the BOH areas – change to sealed concrete – currently budgeted $6.00SF	$ -	$ -	Accepted; Included in GMP–03
VE-26	23A	Remove Filter Housings	$ 38,616	$ -	Accepted; B&I Confirmed it can be deleted via email 01.22.20
VE-27	22A	Pressure regulator – Lab Air	$ -	$ -	AEI to provide info – need more time to determine what this entails; Currently not pursing
VE-28	22A	VE Package – Plumbing Fixtures	$ -	$ -	Package only worth $25,000; savings would only be $2,000. Not worth pursuing
VE-29	22A	Plumbing Equipment Alternate	$ -	$ -	$14,536; Not accepted –per AEI/FPU
VE-30	32A	Delete Precast Benches	$ -	$ -	Accepted; Postpone final deletion until GMP–03 – HOK looking into an alternative. Not Accepted; Including an allowance to re–design the benches
VE-31	03A	Delete the seeded decorative aspect of the plaza concrete	$ -	$ 20,000	Accepted; Included in GMP–03 Budget
VE-32	03A	Buy–down of ASI–001, and ASI–002	$ 52,000	$ -	Accepted
VE-33	07A	Delete Coverboard on North and South Bar Buildings – keep/change coverboard to 1ƒ2" on Area C	$ 45,441	$ -	Accepted
VE-34	07C	Taktl deduct along interior parapets – add Stucco (cannot be taken with VE–36)	$ -	$ -	Deduct $118,000 for Taktl and Furring; Add for Stucco +$36,394. Total Deduct Value only $55,600. VE–36 Greater Savings
VE-35	05A	Glass Guardrail Alternatives	$ -	$ -	HOK agreed to materiality changes and LF of curved vs segmented glass – Alum assumed; Accepted and included in Base number
VE-36	07C	Taktl deduct along interior parapets – add Roofing (cannot be taken with VE–34)	$ 88,105	$ -	$88,105; Deduct $118,000 for Taktl and Furring; Add $29,895 for Roofing. Whichever has more savings is accepted (34 or 26).
VE-37	22A	CPVC (Schedule 80) in lieu of Copper (Tri–tech)	$ -	$ -	AEI Accepted; Not accepted – per FPU
VE-38	12A	Change motorized blinds to manual	$ -	$ -	Electrical was not deleted; but changing the WT–01 to manual could provide some savings since their around ~(80) of them; Not accepted – per FPU
VE-39	23A	Controls Deduct	$ -	$ -	Meeting on 2.27.20 to discuss – no actual savings
VE-40	10A	Visual Display Boards	$ -	$ 139,595	Owner can elect to purchase all scope – including install; Looking into getting a proposal on FPU side to evaluate (5.21.21). Accepted; Included in GMP–03 Budget
VE-41	03B	Floor Remediation Allowance (Concrete)	$ -	$ 15,000	2nd floor concrete – we can just chose to polish and not chip out and pour a topping slab (deferred this item to GMP–03); HOK reviewing (5.21.21); Accepted; Included in GMP–03 Budget
VE-42	08A	Reduce Waterproofing Consultant & Testing Allowance	$ -	$ 33,360	Accepted; Included in GMP–03 Budget
VE-43	03B	Change Polished Concrete to Sealed (1115 Central Storage)	$ -	$ -	Not accepted – per FPU

VE-44	11A	Remove Lab Casework Movable Tables and Tool Chests	$ –	$ 833,724	Owner will purchase all scope. I think there is a VE to change from Vidmar tool chests. Accepted; Included in GMP–03 Budget
VE-45	10A	Remove Mobile Storage Unit	$ –	$ 33,363	Accepted; Included in GMP–03 Budget
VE-46	11E	Remove Loading Dock Equipment	$ –	$ –	Not accepted – per FPU
VE-47	10A	Remove Phenolic Lockers	$ –	$ 29,610	Accepted; Included in GMP–03 Budget
VE-48	09D	Change Terrazzo spec	$ –	$ –	Approximate cost; Precast treads and risers are more than the original spec, and there are less subs who can install. Look into what is included in the quote and if there are any mid–range alternative (5.21.21); Not accepted – per FPU HOK
VE-49	09G	Change AC–02 System to a lower NRC requirement	$ –	$ –	Not accepted – per FPU
VE-50	09C	Delete the rug in the Atrium	$ –	$ –	Not accepted – per FPU
VE-51	11A	Delete Modular Stainless Steel Wall at Sterilizer (Drywall Only)	$ –	$ 19,367	Accepted; Included in GMP–03 Budget
VE-52	11A	Omit Greenstone form the Epoxy Spec	$ –	$ 9,514	Accepted; Included in GMP–03 Budget
VE-53	11A	Change custom cabinet pulls to Standard SS wire pulls	$ –	$ 37,186	Accepted; Included in GMP–03 Budget
VE-54			$ –	$ –	
VE-55			$ –	$ –	
VE-56			$ –	$ –	
		TOTAL	**$ 651,372**	**$ 1,170,719**	

Bid Package Specific Assumptions, Clarifications and Allowances:

Bid Package 01A - General Conditions & Requirements

1. PCO-011 included 2 months (July and August 2021) with a reduced staff for onsite personnel, and then (1) additional month was included for offsite closeout with a further reduced staff. This GMP-03 proposal includes remaining general requirement costs for the remaining project duration which is an additional (7) seven months, extending the Substantial Completion Date to March 23, 2022.
2. General Requirements costs are those associated with the temporary field office operations. These costs are considered cost of work and billed accordingly.
3. Utility consumption charges and internet service will be paid by the Owner and are excluded from this proposal.

Bid Package 01B - General Requirements – Trade Work

1. This GMP-03 proposal includes remaining general requirement costs required for the remaining project duration which is an additional (7) seven months, extending the Substantial Completion Date to March 23, 2022.
2. Floor Protection for the polished concrete scope of work is included here.
3. Partial/Final Cleaning of the building is included.
4. Additional Street Sweeping needs are based on current monthly rental costs, and will add an additional (7) seven months to the budget.
5. Includes VE-42: Waterproofing Consultant and Water Intrusion Testing Allowances, established in GMP-02 (under Bid package 07C and 08A), which was not completely expended - are being given back at this time to the total project budget for additional scope.

Bid Package 03A – Concrete

1. Sidewalks revisions are now included, and subsequent changes have not been made since ASI-002. Sidewalks are to be included per (03.09.20) 100% Conformed Construction Documents.
2. Includes VE-31: Delete Seeded decorative concrete. Direction from FPU is to match the existing campus sidewalks.
3. Site sidewalks around the building footprint and throughout the laydown yard that have been

damaged during the course of construction is included.

Bid Package 03B – Polished Concrete

1. Floor Plan deviations included: Room M1100, 1140, 2222, 2202, 2204, 2206, 2277 and 2254 will be CS04 (Sealed) - not CS01 (polished) as is indicated on Finish Plans.
2. Hallway shown without a graphic on Sheet A221A is included as CS01.
3. Concrete underneath the rug in the Atrium (Sheet A221C) is included as CS02 (stained and polished).
4. VE-41: Concrete Remediation for an area on the 2nd floor slab that had some additional aggregate exposed during the concrete pour (unexpected rain event during finishing) has not been included.

Bid Package 05B – Ornamental Metals/Railings

1. (Basis of Design) is excluded. This GMP includes specifically: Aluminum/Glass Shoe base Guardrails with ½" tempered glass. Curved glass is provided only at extremely tight radiuses (approximately 12 LF) , and the remainder will be segmented straight glass. All stainless steel finishes have been excluded.
2. Steel Angle required for the Base Shoe of the Glass Guardrail to mount to that runs the perimeter of the Atrium is included.

Bid Package 06A – Millwork/Finish Carpentry

1. AWI Certification included per Specifications
2. All structure within the Reception Desk and IT Help deck are to be millwork and self-supporting. Cold-formed metal framing as indicated on Sheets A972, A973, and A974 is excluded.
3. Bathroom vanities will also be self-supporting, and metal angles shown are excluded.

Bid Package 08B – Interior Glass & Glazing

1. (Basis of Design) ModernfoldStyles; Modernus Lama per specification section 08 41 26 All Glass Partitions and Entrances are excluded. In lieu of these materials, this GMP includes:
    a. Glass type GL-11 is noted as Vision Glass_Clear Single Pane on Sheets A605-A608 – the system included (in lieu of the BOD noted above) is the ASSA ABLOY Glass Solutions which will integrate with all the specified door hardware.
    b. Glass type GL-15 is noted as Vison Glass_Double Pane Insulated_Fire Rated on Sheet A608 for elevation AG37 (Room 2220), but the Basis of Design and any other noted manufacturers in spec section 08 41 26 does not have a fire rated option in their system line. The product included is TGP narrow profile Fire-Frames Series (45 min fire-rating) in order to most closely meet the design intent and the performance requirements for this elevation. Glass included is 1 1/16"TPG 60-201 PryroStop 45-min fire-rating.
    c. This GMP excludes Glass type GL-13 Vison Glass_Double Pane Insulated on Sheet A605 for elevation AG05 & AG07 (Rooms 1122, 1123, 1124 and 1142). Skanska is currently exploring options for owner approval in these areas, and has included GL-11 (described above) in lieu of GL-13. The GMP includes an allowance of $41,000.
2. Glass in the Shop (1162A and 1163A) is excluded, as it was previously purchased from CM Contingency.
3. Heat soaked glass and a 5-year warranty per specification 08 80 00 Glazing – is excluded.

Bid Package 08C – Doors, Frames & Hardware:

1. Includes all interior doors, lite kits, and hardware – glass included in 08B package. All door frames were previously purchased.

Bid Package 08D – OH Doors & Loading Dock Equipment

1. Includes loading dock lift, hydraulic unit and galvanized steel angle. Conduits and power from building to lift has already been purchased and provided.

Bid Package 09A – Interior Drywall & Framing

1. All drywall (full height - below previously installed 'top-out' board) on the 2nd floor level only is included per contract documents. 1st floor was previously purchased in PCO-011.
2. Level 4 finish is included in lieu of Level 5 through the building.
3. Framing around the atrium (underneath glass guardrail – 1st floor) and the Multi-use Classroom 2200 is included.
4. Mullion-Mates (or similar product) to be included for the 1st and 2nd floor – terminated just above ceiling. Transition to mineral wool and additional acoustical spray/treatment on either side of STC rated partitions is included to deck above the ceiling.
5. Mullion Caps: custom fabricated aluminum cover plates and brake-formed metal caps similar to details A915 and A918 is included per locations clarified in RFI 310 – finish to be clear anodized. Includes metal end of wall termination details.
6. Wall Paneling as noted on Sheet A900 at the main entrance and pre-function has been deleted per RFI 336.

Bid Package 09B – Acoustical Ceilings

Bid Package 09C – Flooring – Resilient & Carpet

1. Moisture mitigation is excluded.
2. Wall base clarified/included per RFI 315.

Bid Package 09D – Tiling & Terrazzo

Bid Package 09E – Resinous Flooring

Bid Package 09F – Painting

Bid Package 09G – Acoustical Drywall Ceilings

Bid Package 10A – Specialties & Furnishings

1. Custom colors and adjustable hinges for the Toilet Partitions are excluded.
2. VE-40: All Visual Display Boards (as noted on the Furniture Plans and A901) and the Mobile Storage Unit in the Central Storage Room 1155 - are excluded.
3. VE-45: Mobile Storage Unit in Room 1115 Central Storage is excluded and will be purchased out of the owner's FF&E budget.
4. VE-47: Phenolic Lockers are excluded and will be purchased out of the owner's FF&E budget.

Bid Package 10B – Signage

Bid Package 11A – Lab Casework

1. Standard Color Epoxy Tops are included – upgraded colors are excluded.
2. Specified White Maple wood cabinet fronts are excluded, and painted steel with overlay fronts have been included.
3. Specification Section 11 53 13 Laboratory Fume Hoods – Delegated Design for Fume Hoods indicated to comply with seismic performance requirements and design criteria, is excluded.
4. VE-44: Mobile Cabinets, Tables, Benches and Non-Fixed Equipment or Furnishings are excluded and will be purchased out of the owner's FF&E budget. Shop drawings and coordination for the entire scope of work is included.
5. VE-51: The modular stainless steel wall at the Sterilizer is excluded in room 2250 – replaces construction of wall with metal studs, drywall and painting only.
6. VE-52: Omit Greenstone from the Epoxy Spec
7. VE-53: Change custom cabinet pulls to Standard SS wire pulls.

Bid Package 12A – Window Treatment

Bid Package 22A – Plumbing:

1. Plumbing Fixtures for the 1st and 2nd floor, previously excluded in GMP-02, is included.
2. Lab Compressed Air fixtures as indicated as CA-22a and CA-22b is included.
3. Water Treatment Equipment as indicated as the RO Skid, DI Skid and the Water Softeners in Water room 1137 is included.
4. Lab Vacuum Pump and Air Compressor equipment in Water room 1137 is included.

Bid Package 26A - Electrical

1. All light fixtures and lighting controls, previously excluded in GMP-02, is included.

Bid Package 27A – Communications & Security/Access Control

Bid Package 27B – Emergency Responder Radio Reinforcement System

1. The GMP includes a Digital Antenna System for First Responder Radio Reinforcement, which has been determined to be required for the building.

Bid Package 31A – Site

1. Site remediation of the laydown yard is included. Minor grading, removal of asphalt millings/crushed concrete used to stabilize soil, and hydroseeding of all the square footage disturbed is included. Watering of the hydroseeded areas is excluded.

Bid Package 32A – Landscape & Irrigation

1. Allowance: Exterior Precast Benches - $20,000

Please refer to the Owner Responsibility Matrix on the following pages for further breakdown of scope.

SKANSKA

EXHIBIT D

Owner/Contractor Responsibility Matrix

Conformed Construction Documents

June 8, 2021

*Install includes all receiving, handling, distributing, and installation
**n/a assumes not required and/or not included

#	Scope of Work	Budget	Design	Purchase	Install	n/a	Comments
	DIVISION 01 - GENERAL REQUIREMENTS						
1	Temporary Utility Consumption Charges						
a	Electrical & Water Service	Owner		Owner			
b	Chilled Water Consumption	Owner		Owner			
2	Threshold Inspections	Owner		Owner			
3	Special Inspections	Skanska		Skanska			
4	Testing & Monitoring of Existing Buildings					n/a	
5	LEED Consulting	A/E		A/E			
6	LEED Certifications	A/E		A/E			
7	Water Connection Fees	Skanska		Skanska		n/a	
8	Tap Fees					n/a	
9	Meter Fees	Owner		Owner			
10	Capacity Fees (sanitary sewer)					n/a	
11	Contribution in Aid of Construction (CIAC) Fees					n/a	
12	Fire Line Connection and Service Fees					n/a	
13	City Site Plan Review					n/a	
14	Application for Water Service					n/a	
15	Application for Sanitary Sewer Service					n/a	
16	Multi-Modal Transportation Fees					n/a	
17	Traffic Operational/Access Mitigation					n/a	
18	Development of Regional Impact (DRI) Fees					n/a	
19	Concurrency Fees					n/a	
20	FAA Permits					n/a	
21	Impact Fees					n/a	
22	Easements					n/a	
23	Off-Site Improvements / Upgrades					n/a	
24	After Hours or 24-Hour Security Guards					n/a	
25	Building Permit	Owner		Owner			
26	Permit Expediter	Owner		Owner			
27	Design Fees	Owner		Owner			
a	Architectural	Owner		Owner			
b	MEP	Owner		Owner			
c	Structural	Owner		Owner			
d	Civil & Site	Owner		Owner			
e	Landscape	Owner		Owner			
f	Misc. Design Services - Code Consultants, Elevator Studies, Energy Models, Etc. As Required	Owner		Owner			
28	Design Add Services	Owner		Owner			
29	Design Manager	Owner		Owner			
30	Coordination of Owner Standards in Design	Owner	A/E	Owner			
31	State Fire Marshall Fees	Owner		Owner			
32	Fire Flow Tests	Owner		Owner			
33	Property Taxes, Business Operations Taxes, and All Other Property & Operational Taxes	Owner		Owner			If Applicable
34	Public Agency Reviews	Owner		Owner			
35	Third Party Review of Chemical Handling Provisions	Owner		Owner			If Required
36	Third Party & Agency Testing / Inspections	Owner		Owner			If Required
37	Traffic Studies	Owner		Owner			If Required
38	Commissioning Agent	Owner		Owner			
39	Enhanced Commissioning					n/a	
40	Commissioning Assistance	Skanska		Skanska			
41	CCIP	Skanska		Skanska			
42	General Liability Insurance					n/a	In CCIP
43	Professional Liability	A/E		A/E			
44	Pollution Liability	Skanska		Skanska			
45	Builders Risk Insurance	Skanska		Skanska			
46	Builders Risk Deductable Costs	Skanska		Skanska			
47	Subcontractor Default Insurance (SDI)	Skanska		Skanska			
48	Skanska Payment & Performance Bond	Skanska		Skanska			
49	Off Site Mock-Ups					n/a	
50	Off Site Testing (To Meet Local AHD's, etc)					n/a	
51	Temporary Parking Locations					n/a	
52	Relocation Expenses - Furnishings, Equipment, Etc.	Owner		Owner			
53	FF&E Budget	Owner		Owner			
54	Contingencies:	Owner		Owner			
a	Owner/Project Contingency	Owner		Owner			
b	Design Contingency	Owner		Owner			
c	Construction Contingency	Skanska		Skanska			
d	Estimating Contingency	Skanska		Skanska			
	DIVISION 02 - EXISTING CONDITIONS						
55	Civil/Site Surveys	Owner	A/E	Owner			Skanska to Provide necessary Construction Surveying
56	Geotechnical Surveys	Owner	A/E	Owner			

Owner/Contractor Responsibility Matrix

Conformed Construction Documents

June 8, 2021

*Install includes all receiving, handling, distributing, and installation
**n/a assumes not required and/or not included

#	Scope of Work	Budget	Design	Purchase	Install	n/a	Comments
57	Environmental Surveys	Owner	A/E	Owner			If Required
58	Archeology Surveys / Studies	Owner	A/E	Owner			
59	Soil Borings, Testing, & Reports	Owner	A/E	Owner			
60	Testing and/or Vibration Moninitoring of Foundations					n/a	
61	Site Demolition	Skanska	A/E	Skanska			
62	Building Demolition					n/a	
63	Selective Demolition					n/a	
64	Unforeseen Conditions / Site Remediation	Owner	A/E	Owner			
65	Testing / Removals of Unsuitable or Contaminated Soils	Owner	A/E	Owner			
66	Hazardous Materials Inspections / Testing	Owner	A/E	Owner			
67	Radon Testing / Mitigation Plan	Owner	A/E	Owner			
68	Radon Mitigation - In Place	Skanska	A/E	Skanska	Skanska		
69	Modifications to Existing Incoming Utility Services (Increased or Adjusted Capacities)					n/a	
70	Contaminated Groundwater Handling / Abatement	Owner	A/E	Owner			
71	Hazardous Materials Handling / Abatement	Owner	A/E	Owner			
	DIVISION 03 - CONCRETE						
72	Cast in Place Concrete	Skanska	A/E	Skanska	Skanska		
73	Precast Concrete - Architectural					n/a	
74	Precast Concrete - Structural					n/a	
	DIVISION 04 - MASONRY						
75	CMU					n/a	
76	Brick					n/a	
	DIVISION 05 - METALS						
77	Structural Steel	Skanska	A/E	Skanska	Skanska		
78	Unistrut Type Supports	Skanska	A/E	Skanska	Skanska		
79	Pipe Grid Type Supports					n/a	
80	Catwalks					n/a	
81	Operable Partition Supports					n/a	
82	Misc. Metals	Skanska	A/E	Skanska	Skanska		
83	Railings	Skanska	A/E	Skanska	Skanska		
84	Decorative Metals/Glass Railings	Skanska	A/E	Skanska	Skanska		
	DIVISION 06 - WOOD & PLASTIC						
85	Reception Desks	Skanska	A/E	Skanska	Skanska		
86	Decorative Wall Features					n/a	
87	Cabinets	Skanska	A/E	Skanska	Skanska		
88	Countertops	Skanska	A/E	Skanska	Skanska		
	DIVISION 07 - THERMAL & MOISTURE PROTECTION						
82	Roofing	Skanska	A/E	Skanska	Skanska		
83	Waterproofing	Skanska	A/E	Skanska	Skanska		
83	Air Barriers	Skanska	A/E	Skanska	Skanska		
84	Insulation	Skanska	A/E	Skanska	Skanska		
84	Caulking	Skanska	A/E	Skanska	Skanska		
	DIVISION 08 - OPENINGS						
85	Exterior Glass	Skanska	A/E	Skanska	Skanska		
86	Entry Doors	Skanska	A/E	Skanska	Skanska		
87	Revolving Doors					n/a	
88	Interior Doors & Frames	Skanska	A/E	Skanska	Skanska		
89	Door Hardware	Skanska	A/E	Skanska	Skanska		
90	Overhead Doors	Skanska	A/E	Skanska	Skanska		
91	Door Keying	Skanska	A/E	Skanska	Skanska		
92	Interior Glass & Glazing	Skanska	A/E	Skanska	Skanska		
93	Unframed Mirrors					n/a	
	DIVISION 09 - FINISHES						
94	Carpet	Skanska	A/E	Skanska	Skanska		
95	Tile	Skanska	A/E	Skanska	Skanska		
95	Paint	Skanska	A/E	Skanska	Skanska		
96	Wall Coverings					n/a	
97	Acoustical Ceilings						
a	Grid	Skanska	A/E	Skanska	Skanska		
b	Tiles	Skanska	A/E	Skanska	Skanska		
98	Acoustical Wall Panels	Skanska	A/E	Skanska	Skanska		
99	Acoustical Ceiling Treatments, Baffles, Etc.	Skanska	A/E	Skanska	Skanska		
100	Theming or Branding Finishes	Owner	A/E	Owner	Owner		
	DIVISION 10 - SPECIALTIES						
101	Lockers & Locker Benches	Owner	A/E	Owner	Owner		

Owner/Contractor Responsibility Matrix

Conformed Construction Documents

June 8, 2021

*Install includes all receiving, handling, distributing, and installation
**n/a assumes not required and/or not included

#	Scope of Work	Budget	Design	Purchase	Install	n/a	Comments
102	Life Safety / Code Signage	Skanska	A/E	Skanska	Skanska		
103	Interior Room ID Signage	Skanska	A/E	Skanska	Skanska		Allowance
104	Exterior Building ID Signage	Owner	A/E	Owner	Owner		If applicable
105	Site Signage	Skanska	A/E	Skanska	Skanska		
106	Wayfinding/Directories Signage	Skanska	A/E	Skanska	Skanska		
107	Movable Shelving	Owner	A/E	Owner	Owner		
108	Storage Shelving - Wall Shelving at Housekeeping Closets	Skanska	A/E	Skanska	Skanska		
109	Specialty Type Storage Shelving and/or Racks	Skanska	A/E	Skanska	Skanska		
110	Toilet Partitions	Skanska	A/E	Skanska	Skanska		
111	Toilet Accessories	Skanska	A/E	Skanska	Skanska		
112	Bath/Shower Accessories	Skanska	A/E	Skanska	Skanska		
113	Framed Mirrors	Skanska	A/E	Skanska	Skanska		
114	Fire Extinguishers, Fire Extinguisher Cabinets & Fire Hose Cabinets	Skanska	A/E	Skanska	Skanska		
115	Wall Protection & Corner Guards	Skanska	A/E	Skanska	Skanska		
116	Baby Changing Stations	Skanska	A/E	Skanska	Skanska		
117	Mop & Broom Holders	Skanska	A/E	Skanska	Skanska		
118	Brooms, Mops, Misc.	Owner	A/E	Owner	Owner		
119	Housekeeping Carts	Owner	A/E	Owner	Owner		
120	Floor Machines - Scrubbers, Buffers, Vacuums, Etc.	Owner	A/E	Owner	Owner		
121	Initial Floor Wax / Sealing	Skanska	A/E	Skanska	Skanska		
	DIVISION 11 - EQUIPMENT						
122	Parking Control Equipment					n/a	
123	Waste Handling Equipment - Trash Bins, Carts, Dumpsters, Etc.	Owner	Owner	Owner	Owner		
124	Trash Chutes					n/a	
125	First Aid Equipment	Owner	Owner	Owner	Owner		
126	Kitchen/Food Service Equipment	Owner	A/E	Owner	Owner		
127	Ice Machines	Owner	Owner	Owner	Owner		Skanska to Include Rough-In
128	Misc. Equipment	Owner	Owner	Owner	Owner		Skanska to Include Rough-In
129	Vending Machines and Concessions	Owner	Owner	Owner	Owner		
130	Loading Dock Equipment / Dock Levelers	Skanska	A/E	Skanska	Skanska		
131	Loading Dock Canopy					n/a	
132	Portable & Movable Posts & Barriers	Owner	Owner	Owner	Owner		
133	Kiosks	Owner	Owner	Owner	Owner		
134	Turnstiles					n/a	
135	Printers, Fax Machines, Copiers, Computers, Etc.	Owner	Owner	Owner	Owner		
136	Laboratory Equipment	Skanska	A/E	Skanska	Skanska		As noted on Sheet QL001
	DIVISION 12 - FURNISHINGS						
137	Furniture	Owner	Owner	Owner	Owner		
138	Fixed Seating					n/a	
139	Booths / Banquettes					n/a	
140	Movable Light Fixtures - Lamps, Etc.					n/a	
141	Demountable Partitions					n/a	
a	Cubicles, Furniture, Etc.	Owner	A/E	Owner	Owner		
b	Demising Walls					n/a	
142	Residential Appliances - Refrigerators, Dishwashers, Microwaves, Oven/Stove, Coffee Makers, Etc.	Owner	Owner	Owner	Owner		
143	Operable Partitions					n/a	
144	Operable Partition Finishes / Coverings					n/a	
145	Window Treatments	Skanska	A/E	Skanska	Skanska		
146	Blind / Shade Pockets	Skanska	A/E	Skanska	Skanska		
147	Entry Mats - Adhered Carpet	Skanska	A/E	Skanska	Skanska		
148	Entry Mats - Surface Mats	Owner	Owner	Owner	Owner		
149	Office Furniture	Owner	Owner	Owner	Owner		
150	Washers & Dryers (non-lab equipment)	Owner	Owner	Owner	Owner		
151	Visual Display Boards - Bulletins/Magnetic/White Boards/Etc.	Owner	A/E	Owner	Owner		Includes Marker Boards, Tack Boards, Projector Boards
152	Planters - Movable	Owner	Owner	Owner	Owner		
153	Waste Receptacles	Skanska	A/E	Skanska	Skanska		
154	TV's, TV Mounts, Etc.	Owner	Owner	Owner	Skanska		
155	In-Wall Supports for TV's, Monitors, Etc.	Skanska	A/E	Skanska	Skanska		
156	Clocks					n/a	
157	Curtains					n/a	
158	Artwork	Owner	Owner	Owner	Owner		
159	Trash Compactors	Owner	Owner	Owner	Owner		
160	Trash Compactor Rails					n/a	
161	Bollards	Skanska	A/E	Skanska	Skanska		
162	Laboratory Casework	Skanska	A/E	Skanska	Skanska		
	DIVISION 13 - SPECIAL CONSTRUCTION						
163	Canopies					n/a	
164	Window Washing / Maintenance Equipment	Owner	A/E	Owner	Owner		
165	Window Washing / Maintenance Anchors	Skanska	A/E	Skanska	Skanska		

Owner/Contractor Responsibility Matrix

Conformed Construction Documents

June 8, 2021

*Install includes all receiving, handling, distributing, and installation
**n/a assumes not required and/or not included

#	Scope of Work	Budget	Design	Purchase	Install	n/a	Comments
166	Building Maintenance Units					n/a	
	DIVISION 14 - CONVEYING SYSTEMS						
167	Elevators - Passenger	Skanska	A/E	Skanska	Skanska		
168	Elevators - Service	Skanska	A/E	Skanska	Skanska		
169	Elevator Cab Finishes - Floors, Walls, & Ceilings	Skanska	A/E	Skanska	Skanska		
170	Elevator Cab Finishes - Lighting	Skanska	A/E	Skanska	Skanska		
171	Elevator Cab Upgrades - Floors, Walls, & Ceilings	Skanska	A/E	Skanska	Skanska		
172	Elevator Cab Upgrades - Lighting	Skanska	A/E	Skanska	Skanska		
173	Elevator Cab Upgrades - Doors, Door Frames, & Sills	Skanska	A/E	Skanska	Skanska		
174	Custom Call Numbers / Lanterns / Buttons	Skanska	A/E	Skanska	Skanska		
175	Elevator Telephone	Skanska	A/E	Skanska	Skanska		
	DIVISION 22 - FIRE SUPPRESSION						
176	Fire Sprinkler System - Wet Pipe	Skanska	A/E	Skanska	Skanska		
175	Fire Sprinkler System - Dry Pipe	Skanska	A/E	Skanska	Skanska		
176	Pressure Tests	Skanska	A/E	Skanska	Skanska		
177	Fire Pump / Modifications to Existing Pressure / Flow					n/a	
178	Specialty fire suppression systems -Deluge, Pre-action, Chemical, Etc.					n/a	
	DIVISION 23 - PLUMBING						
179	Plumbing	Skanska	A/E	Skanska	Skanska		
179	Water Closets and Urinals	Skanska	A/E	Skanska	Skanska		
180	Lavatory w/trim	Skanska	A/E	Skanska	Skanska		
181	Kitchen sink w/trim	Skanska	A/E	Skanska	Skanska		
182	Service sink w/trim	Skanska	A/E	Skanska	Skanska		
183	Water cooler	Skanska	A/E	Skanska	Skanska		
184	Vacuum Systems	Skanska	A/E	Skanska	Skanska		
185	Grease Traps					n/a	
186	Compressed Air Systems	Skanska	A/E	Skanska	Skanska		
	DIVISION 25 - HVAC						
187	Kitchen Hoods					n/a	
188	Kitchen Hoods Exhaust					n/a	
189	HVAC	Skanska	A/E	Skanska	Skanska		
189	Test & Balance	Skanska	A/E	Skanska	Skanska		
190	Exhaust Ventilation	Skanska	A/E	Skanska	Skanska		
	DIVISION 26 - ELECTRICAL						
191	Primary Building Transformer & Feed	Skanska	A/E	Skanska	Utility		Allowance
192	Demolition and/or Relocation of Existing Transformers	Skanska	A/E	Skanska	Utility		Allowance
193	Remove / Relocation OH Power					n/a	
194	Remove / Relocation OH Phone / Data					n/a	
195	Secondary Feed From Transformer to Building	Skanska	A/E	Skanska	Skanska		
196	Emergency Generator	Skanska	A/E	Skanska	Skanska		
197	Emergency Generator - Fuel	Skanska	A/E	Skanska	Skanska		
198	Power Distribution	Skanska	A/E	Skanska	Skanska		
199	Specialty Power	Skanska	A/E	Skanska	Skanska		
200	Light Fixtures - Code Compliance	Skanska	A/E	Skanska	Skanska		
201	Light Fixtures - General Illumination	Skanska	A/E	Skanska	Skanska		
202	Light Fixtures - Task Lighting	Skanska	A/E	Skanska	Skanska		
203	Light Fixtures - Plugin	Owner	A/E	Owner	Owner		
204	Chandeliers	Skanska	A/E	Skanska	Skanska		Not Anticipated
205	Lightning Protection	Skanska	A/E	Skanska	Skanska		
206	Street Lighting	Skanska	A/E	Skanska	Skanska		
207	Parking Lot Lighting	Skanska	A/E	Skanska	Skanska		
208	Landscape Lighting					n/a	
	DIVISION 27 & 28 - LOW VOLTAGE SYSTEMS						
	VOICE AND DATA SYSTEMS						
209	Raceways	Skanska	A/E	Skanska	Skanska		Conduit stubs, j-hooks, boxes, cable tray, etc.
210	Inside Premise Wiring	Skanska	A/E	Skanska	Skanska		Structured cabling system
211	Outside premise wiring from service providers	Skanska	Owner	Skanska	Skanska		Fiber and copper for services. FPU to design, Skanska to purchase material & install, including termination at fiber patch panel.
212	Patching of voice lines	Owner	Owner	Owner	Owner		Patching at path panel and work areas
213	Phone switch	Owner	Owner	Owner	Owner		Equipment selection, sizing, equipment layout, RFP
271	Wireless Access Points	Owner	A/E	Owner	Skanska		Owner purchase, with mounts and configuration

Owner/Contractor Responsibility Matrix

Conformed Construction Documents

June 8, 2021

*Install includes all receiving, handling, distributing, and installation
**n/a assumes not required and/or not included

#	Scope of Work	Budget	Design	Purchase	Install	n/a	Comments
214	Network electronics	Owner	Owner	Owner	Owner		Equipment selection, sizing, equipment layout, RFP
	TELECOM ROOM OUTFIT						
215	Plywood and wall sleeves	Skanska	A/E	Skanska	Skanska		Plywood and sleeves for cables
216	Grounding system	Skanska	A/E	Skanska	Skanska		Ground bar and ground bus
217	Racks, wire managers, and ladder tray	Skanska	A/E	Skanska	Skanska		Racks and all passive elements
218	Patch panels,	Owner	Owner	Owner	Skanska		Patch Panel installation
219	patch cords, cross connects, active electronics, pbx, phones, computers	Owner	Owner	Owner	Owner		Patch cords, cross connections, active electronics, pbx, phones, computers by FPU
	CATV DISTRIBUTION AND DIGITAL SIGNAGE						
220	Raceways	Skanska	A/E	Skanska	Skanska		Conduit stubs, j-hooks, boxes, cable tray, etc.
221	Inside premise wiring	Skanska	A/E	Skanska	Skanska		Coaxial cable and UTP for signage
222	Distribution devices	Owner	Owner	Owner	Owner		TAPS, amplifiers, splitter, DC
223	Displays for digital signage	Owner	Owner	Owner	Owner		Flat panel displays and PCs
224	Mounts for TVs	Owner	Owner	Owner	Owner		Mounts for the TVS
	AV SYSTEMS						
225	Raceways	Skanska	A/E	Skanska	Skanska		Conduit, boxes, cable tray, etc.
226	Inside premise wiring	Owner	Owner	Owner	Owner		AV wiring for systems (non-UTP cable for FPU network connectivity)
227	Active electronics	Owner	Owner	Owner	Owner		Allowance - Projectors, presentation control system, controllers, etc
272	Projectors & Projector Mounts	Owner	Owner	Owner	Owner		
273	Projection Screens	Skanska	A/E	Skanska	Skanska		
	SECURITY SYSTEMS - CARD ACCESS						
228	Raceways	Skanska	A/E	Skanska	Skanska		Conduit stubs, j-hooks, boxes, cable tray, etc.
229	Inside premise wiring	Skanska	A/E	Skanska	Skanska		Cables for card access system
230	Active electronics	Skanska	A/E	Skanska	Skanska		Access control panels, reader, etc
231	Locking devices	Skanska	A/E	Skanska	Skanska		Magnets, electric mortise locks
232	System programming - basic	Skanska	A/E	Skanska	Skanska		Basic card access programming, panel names, readers, etc
233	System programming - user access	Owner	A/E	Owner	Owner		Access profiles for card holders, etc
234	Computers for card access	Owner	A/E	Owner	Owner		
	CCTV SYSTEM						
235	Raceways	Skanska	A/E	Skanska	Skanska		Conduit stubs, j-hooks, boxes, cable tray, etc.
236	Inside premise wiring	Skanska	A/E	Skanska	Skanska		Cables for cameras CAT6
237	Cameras	Owner	A/E	Owner	Skanska		Cameras for surveillance system - Owner purchasing security cameras due to potential warranty transfer issues.
238	Computers for CCTV	Owner	A/E	Owner	Skanska		Recorders and workstations for CCTV system
	EMERGENCY POWER BACKUP (UPS) FOR ACTIVE EQUIPMENT						
239	Power wiring	Skanska	A/E	Skanska	Skanska		Conduit, cables and circuits
240	Active equipment	Owner	Owner	Owner	Owner		UPS units in racks or in work areas
	FIRE ALARM AND BUILDING MANAGEMENT SYSTEM						
241	Raceways and wiring	Skanska	A/E	Skanska	Skanska		Conduit, cables, patch panels, cable tray outlets, etc
242	Active electronics	Skanska	A/E	Skanska	Skanska		Data gathering panels, sensors, etc
	DISTRIBUTED ANTENNA SYSTEM (EMERGENCY RESPONDER RADIO REINFORCEMENT)						
243	Raceways and wiring	Skanska	A/E	Skanska	Skanska		Conduit, cables, patch panels, cable tray outlets, etc
244	Inside premise wiring	Skanska	A/E	Skanska	Skanska		Coax cable , grounding
245	Active electronics	Skanska	A/E	Skanska	Skanska		Head end system and antennas
	MISCELLANEOUS						
246	Duress Buttons	Skanska	A/E	Skanska	Skanska		
247	Intercom	Skanska	A/E	Skanska	Skanska		
248	Site Emergency Phones					n/a	Reinstall of existing included; no new
	DIVISION 31 - EARTHWORK & UTILITIES						
248	Deep Foundations	Skanska	A/E	Skanska	Skanska		Vibroreplacement
249	Earthwork / Grading	Skanska	A/E	Skanska	Skanska		
250	Import Fill	Skanska	A/E	Skanska	Skanska		

Owner/Contractor Responsibility Matrix

Conformed Construction Documents

June 8, 2021

*Install includes all receiving, handling, distributing, and installation
**n/a assumes not required and/or not included

#	Scope of Work	Budget	Design	Purchase	Install	n/a	Comments
251	Site Utilities	Skanska	A/E	Skanska	Skanska		
252	Utility Upgrades					n/a	
253	NPDES Monitoring	Skanska	A/E	Skanska	Skanska		
254	NPDES Maintenance	Skanska	A/E	Skanska	Skanska		
255	Site Signage	Skanska	A/E	Skanska	Skanska		
256	Site Signage Supports & Hook-Ups	Skanska	A/E	Skanska	Skanska		
257	Directional / Traffic Signage & Striping	Skanska	A/E	Skanska	Skanska		
258	Remove / Relocate Existing Utilities	Skanska	A/E	Skanska	Skanska		
259	Temporary Dewatering	Skanska	A/E	Skanska	Skanska		
260	Permanent Dewatering					n/a	
261	Oil Seperator	Skanska	A/E	Skanska	Skanska		
262	Grinder Pump / Lift Station					n/a	
263	Deceleration / Acceleration Lanes					n/a	
	DIVISION 32 - EXTERIOR IMPROVEMENTS						
264	Hardscapes - Sidewalks, Stem Walls, Pavers, Etc	Skanska	A/E	Skanska	Skanska		
265	Site Furnishings - Trash Cans, Planters, Bike Racks, Benches, Chairs, Tree Grates, Flag Poles, Etc.	Skanska	A/E	Skanska	Skanska		Allowance
266	Fountains / Water Features					n/a	
267	Landscaping	Skanska	A/E	Skanska	Skanska		
268	Irrigation	Skanska	A/E	Skanska	Skanska		
269	Arborist					n/a	
270	Tree Recompense Fees					n/a	

EXHIBIT E

PROJECT SPECIFIC REQUIREMENTS AND PRE-CONSTRUCTION SERVICES FEE

- 3.3.4 **LEED Certification.** The LEED Design level is Silver.

- 3.3.6 **Initial Construction Schedule Deadline**
  - ☐ With Advanced Schematic Design submittal or
  - X no later than **September, 2019**

- 3.4.3 **Construction Manager's Contingency** shall be no greater, as a percentage of the estimated Cost of the Work, than the following at each of the following phases:
  ten percent **(10 %)** at Pre-Design
  ten percent **(10 %)** at Conceptual Schematic Design
  eight percent **(8 %)** at Advanced Schematic Design
  six percent **(6 %)** at Design Development
  five percent **(5 %)** at **(60 %)** Construction Documents
  three percent **(3 %)** at the time the GMP proposal is included
  two percent **(2%)** at the time that Construction Manager has bought out Trade Contracts representing ninety percent (90%) of the Cost of Work or more.

- **3.4.5 Jobsite Management and Logistics Plan**
  - ☐ with **Design Development** phase submittal or
  - **x** no later than **September 2019**

- **3.4.8 Phased or "Fast-Track" Construction**
  None

- **3.4.8 GMP Proposal Submittal Deadline**
  - ☐ upon completion of **sixty** percent **(60%)** of the Construction Documents
  - ☐ **thirty (30)** days after completion of the Construction Documents
  - X no later than **September 11, 2019**.
  - ☐ **Describe or delete this line.**

Pre-Construction Services Fee

PHASE	FEE
Pre-Design Phase	$ EXCLUDED
Conceptual Schematic Design	$ EXCLUDED
Advanced Schematic Design	$ EXCLUDED
Design Development	$ EXCLUDED
60% Construction Documents	$ EXCLUDED
100% Construction Documents	$ EXCLUDED
Total:	$ EXCLUDED

4.1 **Overhead & Profit.** The Construction Manager' s Overhead & Profit percentage shall not exceed **4.0**%

4.2.2 **Mileage Rate.** The mileage rate for authorized travel - based on State of Florida rates on the Effective Date of this Agreement - is **$0.445 per mile.**

Lodging Rate. The maximum reimbursable rate for lodging in **Lakeland, Florida** based on General Services Administration (GSA) rates on the Effective Date of this Agreement - is **$150.00 per night**, plus applicable taxes. Reference www.gsa.gov/perdiem .

Meals. The maximum reimbursable rates for meals (only paid when overnight travel is involved) - based on State of Florida rates on the Effective Date of this Agreement - are:

$6.00 for breakfast, $11.00 for lunch, $19.00 for dinner = $36.00 TOTAL

5.1 **Liquidated Damages: $2727** per day

Logistics Plan

EXHIBIT F

PROJECT SPECIFIC MODIFICATIONS

8.12 Modifications to the Contract for Construction

All contract items have been satisfied in GMP-01 and GMP-02.

SKANSKA

Bid Tabulation - Bid Package: 03B Polished Concrete

FLORIDA POLYTECHNIC UNIVERSITY

Bid Opening Date:	04.15.21	Project No.:	PC55327
Bid Opening Time:	2:00PM	Project Name:	FPU - Applied Research Center
Bid Opening Location:	Skanska Onsite Trailer (4400 Polytechnic Circle Lakeland, FL 33805)	Architect/Engineer:	HOK, Inc. / AEI / Walter P. Moore
Bid Package (# and name):	03B - Polished Concrete	Prime Contractor:	Skanska USA Building, Inc.
GMP Budget for Package:	$141,682		

Bid Tabulation by: _____ **Bid Tabulation Witnessed by:** _____

for the Construction Manager (date / initial)) for the Owner (date / initial)

Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Alternate No. 1	Alternate No. 2	Alternate No. 3	Bid Total	Anticipated or Target Value Direct Purchase	
Dave's Concrete Polishing	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		
David Allen Company	N/A	N/A	N/A	N/A	N/A	$78,205	$5,076	$60,102	N/A	$143,383		
Diverzify	N/A	N/A	N/A	N/A	N/A	$95,000	$3,682	$43,000	N/A	$141,682		
Shaw Contract Flooring (Spectra)	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		
Southland Creation	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		
Concrete Polishing Inc.	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		
National Concrete Polishing Company	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		

Scope of Alternates (all alternates must have a typed explanation):

Alternate No. 1:	Central Storage 1115 Room Concrete Polishing (Breakout from Base Bid)
Alternate No. 2:	2nd Floor Concrete Polishing (Breakout from Base Bid)
Alternate No. 3:	

Clarifications (if any):

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

Revised as of 8/9/17 gbs

SKANSKA

Bid Tabulation - Bid Package: 05B Ornamental Metals

FLORIDA POLYTECHNIC UNIVERSITY

Bid Opening Date:	04.15.21	Project No.:	PC55327
Bid Opening Time:	2:00PM	Project Name:	FPU - Applied Research Center
Bid Opening Location:	Skanska Onsite Trailer (4400 Polytechnic Circle Lakeland,FL 33805)	Architect/Engineer:	HOK, Inc. / AEI / Walter P. Moore
Bid Package (# and name):	05B - Ornamental Metals & Guardrail	Prime Contractor:	Skanska USA Building, Inc.
GMP Budget for Package:	$297,010		

Bid Tabulation by: _____ **Bid Tabulation Witnessed by:** _____

for the Construction Manager (date / initial)) for the Owner (date / initial)

Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Alternate No. 1	Alternate No. 2	Alternate No. 3	Bid Total	Anticipated or Target Value Direct Purchase	
Geco Aluminum Railing	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		
Livers Bronze	N/A	N/A	N/A	N/A	N/A	$29,194	$391,662	N/A	N/A	$420,856		
Mullet's Aluminum	N/A	N/A	N/A	N/A	N/A	$268,010	$0	N/A	N/A	$268,010		
Stainless Steel Fab	N/A	N/A	N/A	N/A	N/A	$12,073	$454,813	N/A	N/A	$466,886		
Sustainable Contruction Sys.	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		
Viva Railings	N/A	N/A	N/A	N/A	N/A	EMAILED BID	N/A	N/A	N/A	$0		

Scope of Alternates (all alternates must have a typed explanation):

Alternate No. 1: 2nd Floor Glass Guardrail

Alternate No. 2:

Alternate No. 3:

Clarifications (if any):

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

Revised as of 8/9/17 gbs

SKANSKA

Bid Tabulation - Bid Package: 06A Millwork

FLORIDA POLYTECHNIC UNIVERSITY

Bid Opening Date:	04.15.21	Project No.:	PC55327
Bid Opening Time:	2:00PM	Project Name:	FPU - Applied Research Center
Bid Opening Location:	Skanska Onsite Trailer (4400 Polytechnic Circle Lakeland,FL 33805)	Architect/Engineer:	HOK, Inc. / AEI / Walter P. Moore
Bid Package (# and name):	06A - Millwork - Finish Carpentry	Prime Contractor:	Skanska USA Building, Inc.
GMP Budget for Package:	$159,960		

Bid Tabulation by: _____ for the Construction Manager (date / initial))

Bid Tabulation Witnessed by: _____ for the Owner (date / initial)

Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Alternate No. 1	Alternate No. 2	Alternate No. 3	Bid Total	Anticipated or Target Value Direct Purchase	
Adams Group	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		
Fine Line Millwork	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		
Custom Made Cabinets	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		
Mesh	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		
Mill-Rite Woodworking	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		
RPI Commercial	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		
Steve Ward & Associates	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		

Scope of Alternates (all alternates must have a typed explanation):

Alternate No. 1: _____

Alternate No. 2: _____

Alternate No. 3: _____

Clarifications (if any):

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc…

Revised as of 8/9/17 gbs

SKANSKA

Bid Tabulation - Bid Package: 08B Interior Glass & Glazing

FLORIDA POLYTECHNIC UNIVERSITY

Bid Opening Date:	04.15.21	Project No.:	PC55327
Bid Opening Time:	2:00PM	Project Name:	FPU - Applied Research Center
Bid Opening Location:	Skanska Onsite Trailer (4400 Polytechnic Circle Lakeland,FL 33805)	Architect/Engineer:	HOK, Inc. / AEI / Walter P. Moore
Bid Package (# and name):	08B - Interior Glass & Glazing	Prime Contractor:	Skanska USA Building, Inc.
GMP Budget for Package:	$777,200		

Bid Tabulation by: _____ for the Construction Manager (date / initial))

Bid Tabulation Witnessed by: _____ for the Owner (date / initial)

Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Alternate No. 1	Alternate No. 2	Alternate No. 3	Bid Total	Anticipated or Target Value Direct Purchase	
AMG Glass	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		
Countryside Glass	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		
Crawford-Tracey	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		
Key Glass	N/A	N/A	N/A	N/A	N/A	$736,200	N/A	N/A	N/A	$736,200		
Southeast Glazing	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		
Southern Glass Products	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		
West Tampa Glass	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	$0		

Scope of Alternates (all alternates must have a typed explanation):

Alternate No. 1: _____

Alternate No. 2: _____

Alternate No. 3: _____

Clarifications (if any):

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

Revised as of 8/9/17 gbs

SKANSKA

Bid Tabulation - Bid Package: 09B Acoustical Ceilings

FLORIDA POLYTECHNIC UNIVERSITY

Bid Opening Date:	04.15.21	Project No.:	PC55327
Bid Opening Time:	2:00PM	Project Name:	FPU - Applied Research Center
Bid Opening Location:	Skanska Onsite Trailer (4400 Polytechnic Circle Lakeland,FL 33805)	Architect/Engineer:	HOK, Inc. / AEI / Walter P. Moore
Bid Package (# and name):	32A - Landscape & Irrigation	Prime Contractor:	Skanska USA Building, Inc.
GMP Budget for Package:	$270,140		

Bid Tabulation by: _____ **Bid Tabulation Witnessed by:** _____

for the Construction Manager (date / initial)) for the Owner (date / initial)

Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Alternate No. 1	Alternate No. 2	Alternate No. 3	Bid Total	Anticipated or Target Value Direct Purchase	
Arazoza Bros	N/A	N/A	N/A	N/A	N/A	$267,240	N/A	N/A	N/A	$267,240		
Bermuda Landscape	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Dora Landscaping	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Pine Lake Nursery	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Sunrise Landscape	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		

Scope of Alternates (all alternates must have a typed explanation):

Alternate No. 1: _____

Alternate No. 2: _____

Alternate No. 3: _____

Clarifications (if any):

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

Revised as of 8/9/17 gbs

SKANSKA

Bid Tabulation - Bid Package: 09C Flooring – Resilient & Carpet

FLORIDA POLYTECHNIC UNIVERSITY

Bid Opening Date:	04.15.21	Project No.:	PC55327
Bid Opening Time:	2:00PM	Project Name:	FPU - Applied Research Center
Bid Opening Location:	Skanska Onsite Trailer (4400 Polytechnic Circle Lakeland,FL 33805)	Architect/Engineer:	HOK, Inc. / AEI / Walter P. Moore
Bid Package (# and name):	09C - Flooring - Carpet & Resilient	Prime Contractor:	Skanska USA Building, Inc.
GMP Budget for Package:	$389,250		

Bid Tabulation by: _____ **Bid Tabulation Witnessed by:** _____

for the Construction Manager (date / initial)) for the Owner (date / initial)

Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Alternate No. 1	Alternate No. 2	Alternate No. 3	Bid Total	Anticipated or Target Value Direct Purchase	
Acousti Engineering	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Hudson Everly Commercial Flooring	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Shaw Contract Flooring (Spectra)	N/A	N/A	N/A	N/A	N/A	$516,676	N/A	N/A	N/A	$516,676		
Torres Total Flooring	N/A	N/A	N/A	N/A	N/A	$1,279,869	N/A	N/A	N/A	$715,454		
Diverzify	N/A	N/A	N/A	N/A	N/A	$359,250	N/A	N/A	N/A	$359,250		
Olson Contract Floors	N/A	N/A	N/A	N/A	N/A	$456,926	N/A	N/A	N/A	$456,926		

Scope of Alternates (all alternates must have a typed explanation):

Alternate No. 1: _____

Alternate No. 2: _____

Alternate No. 3: _____

Clarifications (if any):

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

Revised as of 8/9/17 jgbs

SKANSKA

Bid Tabulation - Bid Package: 09D Tiling & Terrazzo

FLORIDA POLYTECHNIC UNIVERSITY

Bid Opening Date:	04.15.21	Project No.:	PC55327
Bid Opening Time:	2:00PM	Project Name:	FPU - Applied Research Center
Bid Opening Location:	Skanska Onsite Trailer (4400 Polytechnic Circle Lakeland,FL 33805)	Architect/Engineer:	HOK, Inc. / AEI / Walter P. Moore
Bid Package (# and name):	09D - Tile & Terrazzo	Prime Contractor:	Skanska USA Building, Inc.
GMP Budget for Package:	$254,000		

Bid Tabulation by: _____ **Bid Tabulation Witnessed by:** _____

for the Construction Manager (date / initial)) for the Owner (date / initial)

Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Alternate No. 1	Alternate No. 2	Alternate No. 3	Bid Total	Anticipated or Target Value Direct Purchase	
Versa-Tile & Marble	N/A	N/A	N/A	N/A	N/A	$421,829	N/A	N/A	N/A			
David Allen Company	N/A	N/A	N/A	N/A	N/A	$259,550	N/A	N/A	N/A			
Shaw Contract Flooring (Spectra)	N/A	N/A	N/A	N/A	N/A	$170,789	N/A	N/A	N/A			
Olson Contract Floors	N/A	N/A	N/A	N/A	N/A	$243,359	N/A	N/A	N/A			
Diverzify	N/A	N/A	N/A	N/A	N/A	$189,000	N/A	N/A	N/A			
Torres Total Flooring	N/A	N/A	N/A	N/A	N/A	Inc. in 09C	N/A	N/A	N/A			
Steward Mellon Co.	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A			
Hudson Everly Commercial Flooring	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A			

Scope of Alternates (all alternates must have a typed explanation):

Alternate No. 1: _____

Alternate No. 2: _____

Alternate No. 3: _____

Clarifications (if any):

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

_____

_____

_____

Revised as of 8/9/17 gbs

SKANSKA

Bid Tabulation - Bid Package: 09E Resinous Flooring

FLORIDA POLYTECHNIC UNIVERSITY

Bid Opening Date:	4.15.21	Project No.:	PC55327
Bid Opening Time:	2:00PM	Project Name:	FPU - Applied Research Center
Bid Opening Location:	Skanska Onsite Trailer (4400 Polytechnic Circle Lakeland,FL 33805)	Architect/Engineer:	HOK, Inc. / AEI / Walter P. Moore
Bid Package (# and name):	09E - Resinous Flooring	Prime Contractor:	Skanska USA Building, Inc.
GMP Budget for Package:	$6,700		

Bid Tabulation by: _____ **Bid Tabulation Witnessed by:** _____

for the Construction Manager (date / initial)) for the Owner (date / initial)

Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Alternate No. 1	Alternate No. 2	Alternate No. 3	Bid Total	Anticipated or Target Value Direct Purchase	
Shaw Contract Flooring (Spectra)	N/A	N/A	N/A	N/A	N/A	Inc. in 09C	N/A	N/A	N/A	Inc. in 09C		
Plexi-Chemi Inc.	N/A	N/A	N/A	N/A	N/A	$7,681	N/A	N/A	N/A	$7,681		
Diverzify	N/A	N/A	N/A	N/A	N/A	$6,700	N/A	N/A	N/A	$6,700		

Scope of Alternates (all alternates must have a typed explanation):

Alternate No. 1: _____

Alternate No. 2: _____

Alternate No. 3: _____

Clarifications (if any):

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

Revised as of 8/9/17 gbs

SKANSKA

Bid Tabulation - Bid Package: 09G Acoustical Drywall Ceilings

FLORIDA POLYTECHNIC UNIVERSITY

Bid Opening Date:	4.15.21	Project No.:	PC55327
Bid Opening Time:	2:00PM	Project Name:	FPU - Applied Research Center
Bid Opening Location:	Skanska Onsite Trailer (4400 Polytechnic Circle Lakeland,FL 33805)	Architect/Engineer:	HOK, Inc. / AEI / Walter P. Moore
Bid Package (# and name):	09G - Acoustical Drywall Ceilings	Prime Contractor:	Skanska USA Building, Inc.
GMP Budget for Package:	$443,287		

Bid Tabulation by: _____ **Bid Tabulation Witnessed by:** _____

for the Construction Manager (date / initial)) for the Owner (date / initial)

Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Alternate No. 1	Alternate No. 2	Alternate No. 3	Bid Total	Anticipated or Target Value Direct Purchase	
MEC Enterprises	N/A	N/A	N/A	N/A	N/A	$443,287	N/A	N/A	N/A	$443,287		
MB Drywall Solutions	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		

Scope of Alternates (all alternates must have a typed explanation):

Alternate No. 1: _____

Alternate No. 2: _____

Alternate No. 3: _____

Clarifications (if any):

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc…

Revised as of 8/9/17 gbs

SKANSKA

Bid Tabulation - Bid Package: 10A Specialties & Furnishings

FLORIDA POLYTECHNIC UNIVERSITY

Bid Opening Date:	04.15.21	Project No.:	PC55327
Bid Opening Time:	2:00PM	Project Name:	FPU - Applied Research Center
Bid Opening Location:	Skanska Onsite Trailer (4400 Polytechnic Circle Lakeland,FL 33805)	Architect/Engineer:	HOK, Inc. / AEI / Walter P. Moore
Bid Package (# and name):	10A - Specialties & Furnishings	Prime Contractor:	Skanska USA Building, Inc.
GMP Budget for Package:	$170,636		

Bid Tabulation by: _____ for the Construction Manager (date / initial))

Bid Tabulation Witnessed by: _____ for the Owner (date / initial)

Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Alternate No. 1	Alternate No. 2	Alternate No. 3	Bid Total	Anticipated or Target Value Direct Purchase	
Cook & Boardman	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Florida Specialty Products	N/A	N/A	N/A	N/A	N/A	$274,785	N/A	N/A	N/A	$274,785		
Florida Visual Display	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Interior Specialties	N/A	N/A	N/A	N/A	N/A	$134,109	N/A	N/A	N/A	$134,109		
McLeod General Trades	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Rolling Oak Supply	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
TBS Construction	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Trinity Construction	N/A	N/A	N/A	N/A	N/A	$125,744	N/A	N/A	N/A	$125,744		
Specialities Direct, Inc.	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Fine Line Custom Millwork	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Patterson Pope	N/A	N/A	N/A	N/A	N/A	PARTIAL	N/A	N/A	N/A	PARTIAL		

Scope of Alternates (all alternates must have a typed explanation):

Alternate No. 1: _____

Alternate No. 2: _____

Alternate No. 3: _____

Clarifications (if any):

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc…

Revised as of 8/9/17 gbs

SKANSKA

Bid Tabulation - Bid Package: 10B Signage

FLORIDA POLYTECHNIC UNIVERSITY

Bid Opening Date:	04.15.21	Project No.:	PC55327
Bid Opening Time:	2:00PM	Project Name:	FPU - Applied Research Center
Bid Opening Location:	Skanska Onsite Trailer (4400 Polytechnic Circle Lakeland,FL 33805)	Architect/Engineer:	HOK, Inc. / AEI / Walter P. Moore
Bid Package (# and name):	10B - Signage	Prime Contractor:	Skanska USA Building, Inc.
GMP Budget for Package:	$20,902		

Bid Tabulation by: _____ **Bid Tabulation Witnessed by:** _____

for the Construction Manager (date / initial)) for the Owner (date / initial)

Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Alternate No. 1	Alternate No. 2	Alternate No. 3	Bid Total	Anticipated or Target Value Direct Purchase	
Baron Sign Manufact.	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Clear Vision Signs	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Creative Sign Designs	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
L&H Companies	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Thomas Sign & Awning	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		

Scope of Alternates (all alternates must have a typed explanation):

Alternate No. 1: _____

Alternate No. 2: _____

Alternate No. 3: _____

Clarifications (if any):

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc…

Revised as of 8/9/17 gbs

SKANSKA

Bid Tabulation - Bid Package: 12A Window Treatment

FLORIDA POLYTECHNIC UNIVERSITY

Bid Opening Date:	04.15.21	Project No.:	PC55327
Bid Opening Time:	2:00PM	Project Name:	FPU - Applied Research Center
Bid Opening Location:	Skanska Onsite Trailer (4400 Polytechnic Circle Lakeland,FL 33805)	Architect/Engineer:	HOK, Inc. / AEI / Walter P. Moore
Bid Package (# and name):	12A - Window Treatment	Prime Contractor:	Skanska USA Building, Inc.
GMP Budget for Package:	$213,961		

Bid Tabulation by: _____ **Bid Tabulation Witnessed by:** _____

for the Construction Manager (date / initial)) for the Owner (date / initial)

Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Alternate No. 1	Alternate No. 2	Alternate No. 3	Bid Total	Anticipated or Target Value Direct Purchase	
Cube Care Company	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Hile's Curtain Specialties	N/A	N/A	N/A	N/A	N/A	$213,961	N/A	N/A	N/A	$213,961		
Interior Specialties	N/A	N/A	N/A	N/A	N/A	EMAILED	N/A	N/A	N/A	EMAILED		
TBS Construction	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		

Scope of Alternates (all alternates must have a typed explanation):

Alternate No. 1: _____

Alternate No. 2: _____

Alternate No. 3: _____

Clarifications (if any):

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

Revised as of 8/9/17 gbs

SKANSKA

Bid Tabulation - Bid Package: 27A Communications & Security/Access Control

FLORIDA POLYTECHNIC UNIVERSITY

Bid Opening Date:	04.15.21	Project No.:	PC55327
Bid Opening Time:	2:00PM	Project Name:	FPU - Applied Research Center
Bid Opening Location:	Skanska Onsite Trailer (4400 Polytechnic Circle Lakeland,FL 33805)	Architect/Engineer:	HOK, Inc. / AEI / Walter P. Moore
Bid Package (# and name):	27A - Communications & Security/Access Control	Prime Contractor:	Skanska USA Building, Inc.
GMP Budget for Package:	$558,951		

Bid Tabulation by: _____ **Bid Tabulation Witnessed by:** _____

for the Construction Manager (date / initial)) for the Owner (date / initial)

Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Alternate No. 1	Alternate No. 2	Alternate No. 3	Bid Total	Anticipated or Target Value Direct Purchase	
Quality Cable Contractors	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
APG Electric	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Borrell Electric	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Wiring Technologies	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
KCI Communications	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Meisner Electric	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
NetPlanner Systems	N/A	N/A	N/A	N/A	N/A	$558,951	N/A	N/A	N/A	$558,951		
Miller Security Group	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Audio Video Partners	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		

Scope of Alternates (all alternates must have a typed explanation):

Alternate No. 1: _____

Alternate No. 2: _____

Alternate No. 3: _____

Clarifications (if any):

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

Revised as of 8/9/17 gbs

SKANSKA

Bid Tabulation - Bid Package: 27B Emergency Responder Radio Reinforcement

FLORIDA POLYTECHNIC UNIVERSITY

Bid Opening Date:	04.15.21	Project No.:	PC55327
Bid Opening Time:	2:00PM	Project Name:	FPU - Applied Research Center
Bid Opening Location:	Skanska Onsite Trailer (4400 Polytechnic Circle Lakeland,FL 33805)	Architect/Engineer:	HOK, Inc. / AEI / Walter P. Moore
Bid Package (# and name):	27B - Emergency Responder Radio Coverage	Prime Contractor:	Skanska USA Building, Inc.
GMP Budget for Package:	$54,402		

Bid Tabulation by: _____ for the Construction Manager (date / initial))

Bid Tabulation Witnessed by: _____ for the Owner (date / initial)

Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P& P Bonds	Base Bid	Alternate No. 1	Alternate No. 2	Alternate No. 3	Bid Total	Anticipated or Target Value Direct Purchase	
Two-Way Communication	N/A	N/A	N/A	N/A	N/A	$54,402	N/A	N/A	N/A	$54,402		
Atek Communications	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Borrell Electric	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Commecial Fire	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
APG Electric	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
NetPlanner Systems	N/A	N/A	N/A	N/A	N/A	$64,019	N/A	N/A	N/A	$64,019		

Scope of Alternates (all alternates must have a typed explanation):

Alternate No. 1: _____

Alternate No. 2: _____

Alternate No. 3: _____

Clarifications (if any):

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

Revised as of 8/9/17 gbs

SKANSKA

Bid Tabulation - Bid Package: 32A Landscape & Irrigation

FLORIDA POLYTECHNIC UNIVERSITY

Bid Opening Date:	04.15.21	Project No.:	PC55327
Bid Opening Time:	2:00PM	Project Name:	FPU - Applied Research Center
Bid Opening Location:	Skanska Onsite Trailer (4400 Polytechnic Circle Lakeland,FL 33805)	Architect/Engineer:	HOK, Inc. / AEI / Walter P. Moore
Bid Package (# and name):	32A - Landscape & Irrigation	Prime Contractor:	Skanska USA Building, Inc.
GMP Budget for Package:	$270,140		

Bid Tabulation by: _____ **Bid Tabulation Witnessed by:** _____

for the Construction Manager (date / initial)) for the Owner (date / initial)

Bidder	Addenda Received	Subs Listed	License Verified	Insurance	P&P Bonds	Base Bid	Alternate No. 1	Alternate No. 2	Alternate No. 3	Bid Total	Anticipated or Target Value Direct Purchase	
Arazoza Bros	N/A	N/A	N/A	N/A	N/A	$267,240	N/A	N/A	N/A	$267,240		
Bermuda Landscape	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Dora Landscaping	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Pine Lake Nursery	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		
Sunrise Landscape	N/A	N/A	N/A	N/A	N/A	NO BID	N/A	N/A	N/A	NO BID		

Scope of Alternates (all alternates must have a typed explanation):

Alternate No. 1: _____

Alternate No. 2: _____

Alternate No. 3: _____

Clarifications (if any):

Use this area as an explanation/clarification as to why a lower bid may not have been used, etc...

Revised as of 8/9/17 gbs

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Certificate Of Completion

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Sarah Vowels
4235 South Stream Boulevard
Suite 200
Charlotte, NC 28217
sarah.vasconi@skanska.com
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6/21/2021 10:17:29 AM
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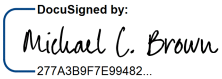
Signer Events	Signature	Timestamp
Michael C. Brown michael.c.brown@skanska.com EVP Skanska USA Building Inc. Security Level: Email, Account Authentication (None)	DocuSigned by:  277A3B9F7E99482... Signature Adoption: Pre-selected Style Using IP Address: 63.147.218.243	Sent: 6/21/2021 10:43:06 AM Viewed: 6/22/2021 12:38:25 PM Signed: 6/22/2021 12:38:49 PM

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David Calhoun dcalhoun@floridapoly.edu Security Level: Email, Account Authentication (None)	COPIED	Sent: 6/22/2021 12:38:52 PM Viewed: 6/23/2021 3:38:59 PM
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Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	6/21/2021 10:43:06 AM
Certified Delivered	Security Checked	6/22/2021 12:38:25 PM
Signing Complete	Security Checked	6/22/2021 12:38:49 PM
Completed	Security Checked	6/22/2021 12:38:52 PM

Payment Events	Status	Timestamps

Electronic Record and Signature Disclosure

ELECTRONIC RECORD AND SIGNATURE DISCLOSURE

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If you decide to receive notices and disclosures from us electronically, you may at any time change your mind and tell us that thereafter you want to receive required notices and disclosures only in paper format. How you must inform us of your decision to receive future notices and disclosure in paper format and withdraw your consent to receive notices and disclosures electronically is described below.

Consequences of changing your mind

If you elect to receive required notices and disclosures only in paper format, it will slow the speed at which we can complete certain steps in transactions with you and delivering services to you because we will need first to send the required notices or disclosures to you in paper format, and then wait until we receive back from you your acknowledgment of your receipt of such paper notices or disclosures. Further, you will no longer be able to use the DocuSign system to receive required notices and consents electronically from us or to sign electronically documents from us.

All notices and disclosures will be sent to you electronically

Unless you tell us otherwise in accordance with the procedures described herein, we will provide electronically to you through the DocuSign system all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you. To reduce the chance of you inadvertently not receiving any notice or disclosure, we prefer to provide all of the required notices and disclosures to you by the same method and to the same address that you have given us. Thus, you can receive all the disclosures and notices electronically or in paper format through the paper mail delivery system. If you do not agree with this process, please let us know as described below. Please also see the paragraph immediately above that describes the consequences of your electing not to receive delivery of the notices and disclosures electronically from us.

How to contact Skanska USA Inc.:

You may contact us to let us know of your changes as to how we may contact you electronically, to request paper copies of certain information from us, and to withdraw your prior consent to receive notices and disclosures electronically as follows:
To contact us by email send messages to: customer.service@skanska.com

To advise Skanska USA Inc. of your new email address

To let us know of a change in your email address where we should send notices and disclosures electronically to you, you must send an email message to us at customer.service@skanska.com and in the body of such request you must state: your previous email address, your new email address. We do not require any other information from you to change your email address.

If you created a DocuSign account, you may update it with your new email address through your account preferences.

To request paper copies from Skanska USA Inc.

To request delivery from us of paper copies of the notices and disclosures previously provided by us to you electronically, you must send us an email to customer.service@skanska.com and in the body of such request you must state your email address, full name, mailing address, and telephone number. We will bill you for any fees at that time, if any.

To withdraw your consent with Skanska USA Inc.

To inform us that you no longer wish to receive future notices and disclosures in electronic format you may:

i. decline to sign a document from within your signing session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;

ii. send us an email to customer.service@skanska.com and in the body of such request you must state your email, full name, mailing address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

Required hardware and software

The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: https://support.docusign.com/guides/signer-guide-signing-system-requirements.

Acknowledging your access and consent to receive and sign documents electronically

To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please confirm that you have read this ERSD, and (i) that you are able to print on paper or electronically save this ERSD for your future reference and access; or (ii) that you are able to email this ERSD to an email address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format as described herein, then select the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

By selecting the check-box next to 'I agree to use electronic records and signatures', you confirm that:

- You can access and read this Electronic Record and Signature Disclosure; and
- You can print on paper this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify Skanska USA Inc. as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by Skanska USA Inc. during the course of your relationship with Skanska USA Inc..

AGENDA ITEM: VII.

Florida Polytechnic University

Board of Trustees

June 29, 2021

Subject: 2022-23 University Capital Improvement Plan (CIP)

Proposed Action

Approve the 2022-2023 University Capital Improvement Plan (CIP) amendment to include the Back of Bill approved project, Mechanical Shop (Environmental Engineering).

The CIP lists Academic Building 3 as our priority, and now includes project detail for the Back of Bill approved project, Mechanical Shop Building (Environmental Engineering).

Background Information

The CIP requires Board of Trustees approval, and submission to the Board of Governors by July 1, 2021. CIPs can be further amended and submitted to the Board of Governors on August 09, 2021. The Board of Governors is scheduled to adopt the LBR September 1, 2021.

Sections 1001.74(12), and 1013.60, Florida Statutes, require each university to submit a legislative budget request for Fixed Capital Outlay (FCO) in the form of a Capital Improvement Plan (CIP). The 2022-2023 CIP budget captures the funds committed to capital projects and proposed need for the future development. All capital improvements are defined in the Campus Master Plan and have been further reviewed by the Board of Governors. In accordance with Campus Master Plan, the Applied Research Center is the priority as justified by the Educational Plan Survey, and partially funded. The 2022-2023 CIP now requests funds for the Applied Research Center to complete construction.

Supporting Documentation: Mechanical Shop (Environmental Engineering) Project Detail

Prepared by: David Calhoun, Assistant Vice President of Facilities and Safety Services

State University System
5-Year Capital Improvement Plan (CIP)
FY 2022-23 through 2026-27

Project Detail

University: Florida Polytechnic University Project Title: Mechanical Shop Building (Environmental Engineering)

Project Address: 4394 Polytechnic Circle, Lakeland FL 33805-8531

PROJECT NARRATIVE

Now in its seventh year, the Florida Polytechnic University is expanding its program in Environmental Engineering. The effort is to provide for real world studies to help improve water, air, and natural resources. A new Mechanical Industrial Shop building will provide spaces for the Environmental Engineering program on the main campus. The university will be looking at internal sources to enhance the program and will be partnering with the Florida Industrial and Phosphate Research Institute for development of the program. FIPR Institute provides an important launchpad for research at Florida Poly as a research institute. Their experience in research partnered with resources provided by Environmental Engineering provides momentum in the areas of environmental engineering, and benefits both groups. In addition, FIPR Institute's research is industrial focused and fits Florida Poly's mission to partner with industry. The Mechanical Shop Building, through the applied research and office space will broaden the program for Environmental Engineering and provide industry support fulfilling the University's mission.

1% RESERVE ESCROW [per F.S. 1001.706 (12) c.] This pertains to PECO projects only, not CITF

Building / project value:	$ 9,793,615
Basis / source of valuation:	Cost of Construction
1st Year escrow deposit:	$ 97,936
Escrow funding source:	Operating maintenance funds
Comments:	

BUILDING SPACE DESCRIPTION

Space Type (per FICM)	Net Assignable Sq. Ft. (NASF)	Net-to-Gross Conversion Factor	Gross Sq. Ft. (GSF)	Unit Cost * (per GSF)	Building Cost
NEW CONSTRUCTION					
Campus Support Services	2,200	1.6	3,520	323.99	1,140,445
Office	4,250	1.6	6,800	356.18	2,422,024
Research Lab	6,100	1.6	9,760	451.14	4,403,126
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
Total:	12,550		20,080		7,965,595

* Apply Unit Cost to total GSF based on Space Type

Space Type (per FICM)	Net Assignable Sq. Ft. (NASF)	Net-to-Gross Conversion Factor	Gross Sq. Ft. (GSF)	Unit Cost * (per GSF)	Building Cost	Remodeling Projects **Only** NASF **BEFORE**	Remodeling Projects **Only** NASF **AFTER**
REMODELING / RENOVATION							
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
Total:	-		-		-	-	-

Total New Const. and/or Remodel / Renovation:	12,550		20,080		7,965,595

PROJECT COMPONENT COSTS & PROJECTIONS

	Costs Funded to Date	Projected Costs Year 1	Year 2	Year 3	Year 4	Year 5	Total
Basic Construction Costs							
Building Cost (from above)	3,982,798	3,982,798					7,965,595
Environmental Impacts/Mitigation							
Site Preparation		39,150					39,150
Landscape / Irrigation		43,740					43,740
Plaza / Walks		10,000					10,000
Roadway Improvements							
Parking : spaces		-					
Telecommunication		25,000					25,000
Electrical Service		25,000					25,000
Water Distribution		18,000					18,000
Sanitary Sewer System		13,500					13,500
Chilled Water System		40,500					40,500
Storm Water System		39,150					39,150
Energy Efficient Equipment							
Subtotal: Basic Const. Costs	3,982,798	4,236,838					8,219,635
Other Project Costs							
Land / existing facility acquisition							
Professional Fees	700,000						700,000
Fire Marshall Fees				-			
Inspection Services		75,000					75,000
Insurance Consultant		-					
Surveys & Tests		5,000					5,000
Permit / Impact / Environmental Fees		5,000					5,000
Artwork		5,000					5,000
Moveable Furnishings & Equipment		500,000					500,000
Project Contingency	141,990	141,990					283,980
Subtotal: Other Project Costs	841,990	731,990					1,573,980
Total Project Cost:	4,824,788	4,968,828					9,793,615

PROJECT FUNDING

Funding to Date

Source *	Fiscal Year	Amount
		-
CRYFWD	20-21	9,793,615
		-
		-
		-
		-
Total:		9,793,615

Total Project Cost (from above)	**Remaining Funding Need**
9,793,615	0

***** List any prior PECO funding. Also, for non-PECO funding sources (i.e. donations, auxiliary, C&G, etc), list each source and the entire anticipated ($) amount. See Instructions for further detail.

AGENDA ITEM: VIII.

Florida Polytechnic University
Board of Trustees
June 29, 2021

Subject: Legislative Budget Request: Engineering University of Distinction

Proposed Board Action

Request approval of the 2021 Legislative Budget Request for $8.5 million in recurring funds beginning with $3.5 million for 2021.

Background Information

Request makes the case that with additional recurring funds targeted toward growing the student body, faculty, academic program mix, and stronger depth in academic support services and student experience that Florida Poly will rise to the status of an Engineering University of Distinction and thereby deliver on its mission and promise to the state of Florida.

Supporting Documentation:
LBR Reporting Form 1
LBR Reporting Form 2
First Year Budget

Prepared by:
Randy Avent, President
Terry Parker, Provost & Executive Vice President of Academic Affairs Tom Dvorske, Vice Provost of Academic Affairs
Kathryn Miller, Vice Provost of Student Affairs

State University System
Education and General
2022-2023 Legislative Budget Request
Form I

University(s):	**Florida Polytechnic University**
Request Title:	**Engineering Program of Distinction**
Date Request Approved by University Board of Trustees:	
Recurring Funds Requested:	**$8,500,000**
Non-Recurring Funds Requested:	
Total Funds Requested:	**$8,500,000**
Please check the request type below:	
Shared Services/System-Wide Request	☐
Unique Request	**XX**☐

I. Purpose – *1. Describe the overall purpose of the plan, specific goal(s) and metrics, specific activities that will help achieve the goal(s), and how these goals and initiatives align with strategic priorities and the 2021 University Accountability Plan established by your institution (include whether this is a new or expanded service/program). If expanded, what has been accomplished with the current service/program?* 2. *Describe any projected impact on academic programs, student enrollments, and student services. University of Distinction proposals should also address the requirements outlined in the separate guidance document.*

II. Return on Investment - *Describe the outcome(s) anticipated, dashboard indicator(s) to be improved, or return on investment. Be specific. For example, if this issue focuses on improving retention rates, indicate the current retention rate and the expected increase in the retention rate. Similarly, if the issue focuses on expanding access to academic programs or student services, indicate the current and expected outcomes. University of Distinction proposals should also address the requirements outlined in the separate guidance document.*

III. Personnel – *Describe personnel hiring and retention plans, making sure to connect both plans to initiative(s) and goal(s) described in section I. State the amount of faculty FTE and staff FTE and estimated funding amounts used for retention and new hires in each category. In describing faculty hires, provide overall hiring goals, including academic area(s) of expertise and anticipated hiring level (e.g. assistant professor, associate professor, full professor. Please describe how funds used for faculty or staff retention will help the institution achieve its stated goals. University of Distinction proposals should clearly note how anticipated hires or retained*

individuals will help the institution elevate a program or area to national or state excellence.

IV. Facilities (*If this issue requires an expansion or construction of a facility, please complete the following table.):*

	Facility Project Title	Fiscal Year	Amount Requested	Priority Number
1.				
2.				

I. Description

This Legislative Budget Request outlines how additional recurring investment for critical initiatives necessary to fulfill the University's mission and position Florida Poly as an Engineering University of Distinction will benefit the state of Florida and its people.

The Florida Chamber 2030, Florida Council of 100 Project Sunrise and the regional Economic Development Councils in general agree that strong investments in a talented core STEM (engineering, mathematical and physical sciences) workforce are necessary to continue to grow the high-wage, high-tech economy. The dependency on STEM for industries like aerospace are obvious, but others are less so. For instance, the National Institutes of Health states that some of the biggest gains in healthcare will come not from the life sciences, but from engineering, computer science, and data analysis as applied to health care problems. The finance and insurance industry employ mathematicians and data scientists to make better decisions, as does the logistics industry. Information sciences, driven by Artificial Intelligence (AI), Virtual Reality (VR) and the continued sophistication of the tools of the information age, are pervasive throughout many of the high-tech industries and are critical to growing industry sectors like Autonomous Vehicles, simulation and defense. But as Project Sunrise pointed out, 80,000 high skill jobs in STEM are left unfilled each month, and Florida is not producing enough STEM graduates, ranking only 38th in the nation for STEM degree production.

Florida Poly was created to meet this need by providing a high-skilled, high-wage workforce in Florida. Our graduates are in high-demand, low supply fields and are getting good paying jobs and graduating with minimal debt. Poly is the only 100% STEM institution in the State University System and has met every legislative mandate it was given since opening in 2014. We recently received professional accreditation through ABET for our strong engineering programs and offer a high-touch, small classroom experience with applied learning projects. This model becomes increasingly important as 67% of high school graduates in Florida interested in an engineering education are looking at universities outside the state. In many cases, these students are not interested in a large comprehensive university experience, but in a smaller setting

with a strong work-ethic culture built around competitions, hands-on problem solving and undergraduate research and work experiences.

The vision for Florida Poly as a university is to be an upper-tier engineering school for the state of Florida, and we have made great progress towards that vision in just five years. As a young university, we are already attracting highly distinguished students from across the state, and we have built a strong curriculum around twelve engineering and related programs. We have built strong relationships with over 200 technology companies and are providing them with a talented workforce. This Legislative Budget Request provides a roadmap and funding request for Florida Poly to become an Engineering University of Distinction and to start the climb to being a top 15 engineering school without a doctorate degree program. To accomplish this, we will need to focus on growing our students, faculty, curriculum and support services.

1. **Growing the Student Body:**
    a. Having a highly distinguished student body is an important step in becoming an Engineering University of Distinction. This effort will provide funding for additional scholarships to help attract and retain the most talented high school graduates interested in STEM. Our goal is to have a student body with average entering test scores comparable with the top-tier universities in the United States. As part of this effort, we will also grow the student body to over 2250 students by the fall of 2025 to help fill workforce gaps, and we will graduate over 400 engineers per year by 2026.
    b. To attract these students, we must have programs of distinction with world-class faculty. The table that follows shows the funding needed to build a minimum of two new engineering programs that support Florida industry. These new programs will be in emerging fields as determined by market analyses in each program area before bringing them forward for approval.
    c. This growth has already started with our current projection on an incoming class for Fall 2021 to be over 600 students. To put this in context, we welcomed approximately 400 new students to campus two years ago, approximately 500 new students last year. Funds are necessary to continue this growth in incoming students with the appropriate quality.
2. **Growing the Faculty**: Florida Poly will hire an additional 20 faculty in existing and new programs. With a new Applied Research Center and a growing faculty body, we will strengthen our focus on applied research and strong industry connections in all programs. As we, along with the rest of the nation, began to emerge from the COVID19 pandemic, we opened an aggressive search for new, highly qualified faculty. While these searches were very late in the classic academic faculty hiring cycle, we are projecting that we will welcome several new faculty to the start of the Fall 2021 semester. Included in these hires are two critical leadership hires: a new Chair for the Mathematics from the Air Force Academy, and a high-profile researcher from the University of Maryland, College Park as Chair for Electrical and Computer Engineering. To continue to grow a true world class faculty, we will need to invest in recurring salary funds for these individuals.
3. **Growing and Broadening our Curriculum and Support Services:**

a. **Curriculum Growth**: We have continued to commit resources to improvements in the first and second year curriculum. Last year we introduced a new course that ties mathematics to engineering systems at a foundational level; for this year, we will introduce a new course that is project based and supports teamwork and open-ended problem solving. These efforts are focused on building a student culture that is invested in its success and that transitions to academic excellence and self sufficiency early in the undergraduate program. To continue these efforts we will need an ongoing investment.

   In addition, we are continuing to grow and improve our graduate program. The Masters in Engineering program provides upper division courses for a few of our ultra-talented undergraduates and also supports the faculty in their research endeavors. This indirectly supports growth in our reputation. Increasing our number of faculty directly supports the growth in the graduate programs.

b. **Support Services Growth:** Finally, we will enhance student services around retention and 4-year graduation rates, which are troublesome metrics for engineering schools. For the Fall 2021, we have reconfigured our support services personnel and are adding both a leadership program and a peer mentoring program to build a positive student culture. Our overall efforts focus on retention and success and in addition, will continue to implement best practices into the foundational courses for our common freshman year. In addition, we will grow our career services and internships, noting that a cornerstone in our curriculum is the requirement for an internship for each student. Florida Poly will continue to grow the capstone projects motivated by Florida industries and our entrepreneurship program. Project Sunrise highlighted startups as an opportunity, and we will continue to focus on growing and keeping our graduates in Florida to work with small and medium sized businesses that are essential to a strong economy.

Below is the detailed spending plan that builds each initiative over a five-year period:

	2022-23	**2023-24**	**2024-25**	**2025-26**	**2026-27**
Scholarships:	$2.0	$2.0	$2.0	$2.0	$2.0
Programs:	$0.0	$1.0	$1.5	$1.5	$1.5
Faculty:	0.75	$1.0	$2.0	$3.0	$3.0
Services:	$0.75	$1.5	$2.0	$2.0	$2.0
TOTALS:	**$3.5**	**$5.5**	**$7.5**	**$8.5**	**$8.5**

These expenditures support the following Florida Poly strategic plan goals.

Goal 1: Enroll a high quality and diverse incoming class.
Goal 2: Grow a faculty body committed to excellence.
Goal 4: Grow the number of academic programs in strategic disciplines.
Goal 6: Help students achieve academic goals.
Goal 7: Build essential skills in communications, leadership, design and business.

Goal 8: Embed projects in a sustainable manner to enhance professional development.
Goal 9: Support students through work experience programs and career opportunities.

Florida Poly graduates carry low debt loads, earn starting salaries averaging over $50,000 per year and are prepared to be lifetime employable. But we cannot rest on our achievements thus far. We need the funds to move Florida's 100% STEM university to the next level of excellence as an Engineering University of Distinction. We believe our past success makes us worthy of investment for the future.

II. Return on Investment

Describe the outcome(s) anticipated, dashboard indicator(s) to be improved, or return on investment. Be specific. For example, if this issue focuses on improving retention rates, indicate the current retention rate and the expected increase in the retention rate. Similarly, if the issue focuses on expanding access to academic programs or student services, indicate the current and expected outcomes. University of Distinction proposals should also address the requirements outlined in the separate guidance document.

The overarching goal of this request is to as quickly as possible, raise the profile of Florida Poly to be a top 15 ranked university in the category of Engineering Schools that do not grant a doctoral degree.

The ultimate goal is to achieve this ranking in a five-year term. Underpinning this goal are a range of other issues that include:

- **Growth in the student body**
    - Here we intend to continue to grow the student body both through increased size in each admission class and also through strongly improved retention. Our overarching goal is to reach over 2025 students by the fall of 2025 (noting that we will open the fall of 2021 with ~1450 students).
    - Funds from this request would improve our recruiting and retention efforts in the fall of 2024 (the funds need to be in place to use them to improve the campus) and would allow us to exceed our existing goal of 2100 students. With the help of this funding, we would work to open the fall of 2024 with 2200 students and the fall of 2026 with ~2500 students.
- **Improvements in retention rate (Academic Progress rate)**
    - THE leading indicator for student success in a four-year degree journey is the formal, Academic Progression Rate. These Universities of distinction would further our existing efforts and starting in 2024, we would raise our APR projection (and presumably performance) from 83% to 85%.

Board of Governor's recommended additional metrics:

1) **One metric to demonstrate year-one accomplishment of success.**

    Here we propose two measures:

- Hiring success for the student services positions that ultimately are funded
- Hiring success (in terms of offers accepted) for new faculty positions.

2) **Two Metrics that demonstrate a return on investment to the state.**
    a. Growth of the campus that exceeds our existing growth plans
        i. In terms of direct return on investment, the cost per student at Florida Poly will continue to go down as the campus grows.
        ii. In terms of indirect return, the economic report done last year indicates that every dollar invested by the state returns over 13 dollars to the state. The degrees that we offer remain in the high value fields so this return on investment will continue to be high.
    b. Improvements in Academic Progress Rate and Graduation rate
        i. These measures will show that the university is more efficient at attracting and keeping students. Higher rates show that we invest in more students that succeed at Florida Poly.
3) **Metrics that demonstrate how the program has improved over time as a result of the funding.**
    a. The metric on job placement rate and initial salary received will demonstrate our success, and the success of our students, in the marketplace.
4) **Metrics and/or rankings to demonstrate program elevation to excellence and prominence.**
    a. The ultimate goal is that in five years we reach the top 15 list for undergraduate engineering programs for universities that do not offer a doctorate.

III. Personnel – *Describe personnel hiring and retention plans, making sure to connect both plans to initiative(s) and goal(s) described in section I. State the amount of faculty FTE and staff FTE and estimated funding amounts used for retention and new hires in each category. In describing faculty hires, provide overall hiring goals, including academic area(s) of expertise and anticipated hiring level (e.g. assistant professor, associate professor, full professor. Please describe how funds used for faculty or staff retention will help the institution achieve its stated goals. University of Distinction proposals should clearly note how anticipated hires or retained individuals will help the institution elevate a program or area to national or state excellence.*

For the first year of the program, we have budgeted $750,000 for faculty hiring, $400,000 for increases to Academic Support Services, and $350,000 for Increases to student life. *For Faculty Hiring, this will support 5 to 6 hires with the majority of hires at the Assistant Professor level. Fields will be Computer Science (likely three hires), Environmental Engineering (one hire, Associate Professor or Professor), Data Science (Assistant Professor), and Business Analytics (Assistant Professor). We have currently begun discussions with the foundation to add foundation support to one to three hires either as a distinguished chair, or a developmental chair.*

The growth in the student body requires an investment in the support services that are student facing. *This is five individuals in the academic support services area that serve advising and retention efforts and then another five individuals to support student life efforts. Both of these areas are starting to show strong signs of strain due to the increase in the student body size and we must invest in these services to continue to provide services and improve them.*

University Efficiencies

Please describe <u>three</u> monetary or non-monetary operational efficiency efforts made, currently underway, or planned at your university within the past year that seeks to enhance the quality, effectiveness, and efficiency of processes that affect the students on your campus.

The efficiency efforts may include numerous approaches such as, but not limited to, cost avoidance, cost containment, eliminating duplicative efforts, or optimizing available resources.

The University strives to identify and improve operational efficiencies so that time, effort, and funds are more heavily invested in the academic enterprise.

1. Improved Data-Environment for Decision Support and Student Management
    a. Through a partnership with EAB, we are conducting a thorough overhaul of our data environment. This includes establishing an integrated Data Governance model, institution-wide data dictionary, and integrating a central data hub that facilitates centralized integration across systems and facilitates automated report generation and improved data-driven decision making.
    b. This effort does require an investment in understanding our data flows, processes, and setup in various systems. However, once complete, this will NOT require ongoing high-cost licensing of software package and also will not require ongoing large investments in IT personnel.
2. Cost and Use-Efficiencies in Technology Services and Equipment
    a. Technology resources require a multi-faceted approach to optimize length of use, access to high-end services, and minimize multi-year cost-obligations. Toward these ends:
        i. With a questionable ROI from our computer leasing program, we are transitioning to purchasing model that gets longer use of our computers reduced committed costs.
        ii. We are exploring dynamic provisioning of cloud services as replacement for high-end server equipment that is near end-of-life. Such services facilitate research and operations while reducing maintenance and replacement costs. Moreover, dynamic provisioning for research enables the University to pay only for what we use.
3. As our operations have grown in size and complexity over the last seven years, we have undertaken a review of “common charges” such as insurance, maintenance, vehicles, software) to manage in a more holistic and dynamic way as well as improve our leveraging power in negotiating better rates.

2022-2023 Legislative Budget Request
Education and General
Position and Fiscal Summary
Operating Budget Form II
(to be completed for each issue)

University: **Florida Polytechnic University**
Issue Title: **Engineering University of Destinction**

	RECURRING	NON-RECURRING	TOTAL
Positions			
Faculty	750,000.00	0.00	750,000.00
Other (A&P/USPS)	750,000.00	0.00	750,000.00
Total	1500000.00	0.00	1500000.00
Salaries and Benefits	$1,500,000	$0	$1,500,000
Other Personal Services	$0	$0	$0
Expenses	$0	$0	$0
Operating Capital Outlay	$0	$0	$0
Electronic Data Processing	$0	$0	$0
Financial Aid	$2,000,000	$0	$2,000,000
Special Category (Specific)	$0	$0	$0
	$0	$0	$0
	$0	$0	$0
	$0	$0	$0
Total All Categories	$3,500,000	$0	$3,500,000

AGENDA ITEM: IX.

Florida Polytechnic University

Board of Trustees

June 29, 2021

Subject: Extension of Ground Maintenance Contract

Proposed Action

Information only – no action required.

Background Information

All contracts greater than or equal to $500,000 must be approved by the Florida Polytechnic University Board of Trustees. While we do not have a new contract greater than $500,000 for approval, we desire to put in place an extension of a current contract over $500,000 for up to six months.

The current University's grounds maintenance service contract was issued in 2016 (ITN 16-001) with the award going to Liberty Lawn Care, LLC. The initial contract term was for a period of three years, with two (2) one (1) year renewals, and a six-month extension due to COVID-19. The contract is scheduled to end July 26, 2021.

A competitive solicitation issued in spring 2021 for a new university Grounds Maintenance Services contract is still under evaluation. The University desires to extend the contract for up to six months based on Florida Poly regulation FPU-8.001(18)(c) which provides "Extension of a contract shall be for a period not to exceed 12 months or until completion of the competitive solicitation and award or protest, whichever is longer . . ."

The current contact value is approximately $2.7M over a five-year span which includes original 6-month extension due to COVID 19 and additional 6-month extension to complete the competitive solicitation process.

Supporting Documentation: ITN 21-002 Ground Maintenance Solicitation

Prepared by: Treasa McLean, Director of Procurement

SUBMIT OFFER TO:
FLORIDA POLYTECHNIC UNIVERSITY

Digital: bids@floridapoly.edu
Hardcopy: 4700 Research Way
Lakeland, FL 33805

Phone: 863-874-8428
Website: Procurement Department

Your submission must be uploaded, submitted, and finalized prior to the closing time on
JUNE 2, 2021, 2:00 p.m. EST.
We strongly recommend that you give yourself sufficient time and at least ONE (1) day before the closing time to finalize your submission. See **Section III** for full submittal instructions.

Florida Polytechnic University

INVITATION TO NEGOTIATE

Contractual Services

Acknowledgement Form

Page 1 of Pages	OFFERS WILL BE OPENED **June 2, 2021**	ITN NO. **21-002**
UNIVERSITY PUBLISHING DATE: **MAY 6, 1021**	ITN TITLE: **GROUND MAINTENANCE**	

FEDERAL EMPLOYER IDENTIFICATION NUMBER

SUPPLIER NAME

SUPPLIER MAILING ADDRESS

CITY - STATE - ZIP CODE

AREA CODE	TELEPHONE NUMBER
	FAX:
	EMAIL:

POSTING OF PROPOSAL TABULATIONS

Proposal tabulations with intended award(s) will be posted for review by interested parties on the Procurement Department solicitation webpage and will remain posted for a period of 72 hours. Failure to file a protest in accordance with BOG regulation 18.002 or failure to post the bond or other security in accordance with BOG regulation 18.003 will constitute a waiver of protest proceedings.

Government Classifications

Check all that apply

- □ **African American**
- □ **Asian-Hawaiian**
- □ **Hispanic**
- □ **Native American**
- □ **Non-Profit Organization**
- □ **Small Business Federal**
- □ **American Woman**
- □ **Government Agency**
- □ **MBE Federal**
- □ **Non-Minority**
- □ **PRIDE**
- □ **Small Business State**

I certify that this offer is made without prior understanding, agreement, or connection with any corporation, firm or person submitting an offer for the same materials, supplies, or equipment and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of this offer and certify that I am authorized to sign this offer for the Supplier and that the Supplier is in compliance with all requirements of the Invitation to Negotiate, including but not limited to, certification requirements. In submitting an offer to an agency for the State of Florida, the Supplier offers and agrees that if the offer is accepted, the Supplier will convey, sell, assign or transfer to the State of Florida all rights, title and interest in and to all causes of action it may now or hereafter acquire under the Anti-trust laws of the United States and the State of Florida for price fixing relating to the particular commodities or services purchased or acquired by the state of Florida. At the State's discretion, such assignment will be made and become effective at the time the procurement agency tenders final payment to the Supplier.

AUTHORIZED SIGNATURE
(MANUAL/DIGITAL)

AUTHORIZED SIGNATURE (TYPED), TITLE

GENERAL CONDITIONS

1. **SEALED OFFERS:** All offer sheets and this form must be executed and submitted as specified in Section III. Offer prices not submitted on any attached price sheets when required will be rejected. All offers are subject to the terms and conditions specified herein. Those which do not comply with these terms and conditions are either automatically rejected with respect to non-compliance with non-negotiable terms and conditions or may be rejected, at Florida Poly's sole discretion, with respect to any other terms and conditions.
2. **EXECUTION OF OFFERS:** Offers must contain a manual or digital signature of the representative authorized to legally bind the Respondent to the provisions herein. Offers must be typed. All corrections to prices made by the Respondent are to be initialed.
3. **PRICES, TERMS AND PAYMENT:** Company prices will be negotiated and include all services rendered to the purchaser.
   a) **Discounts**: Cash discount for prompt payment will not be considered in determining the lowest net cost for offer evaluation purposes.
   b) **Mistakes**: Proposers are expected to examine the conditions, scope of work, offer prices, extensions, and all instructions pertaining to the services involved. Failure to do so will be at the Respondent's risk.
   c) I**nvoicing and Payment**: All Suppliers must complete a Supplier Application Form and have on file a properly executed W-9 form with their Federal Employer Identification Number prior to payment processing.
4. **SUPPLIERS:** Suppliers will submit properly certified original invoices to:

   Accounts Payable
   4700 Research Way
   Lakeland, FL 33805
   accountspayable@floridapoly.edu

   Invoices for payment must be submitted in sufficient detail for a proper pre-audit and post audit. Prices on the invoices will be in accordance with the price stipulated in the contract. Invoices will reference the applicable contract and/or purchase order numbers. Invoices for any travel expenses will be submitted in accordance with the State of Florida travel rates at or below those specified in section 112.061, Florida Statutes, and applicable Florida Poly policies or regulations.

   Final payment will not be made until after the contract is complete unless the University has agreed otherwise.

5. **VENDOR OMBUDSMAN:** A vendor ombudsman position has been established within the Florida Poly Division of Finance. It is the duty of this individual to act as an advocate for Suppliers who may be experiencing problems in obtaining timely payments(s) from Florida Polytechnic University. The vendor ombudsman can be contacted at 863-874-8448 or by mail to the:

   Department of Finance
   4700 Research Way
   Lakeland, FL 33805

   The ombudsman will review the circumstances surrounding non-payment to determine if an interest payment is due, the amount of the payment; and, will ensure timely processing and submission of the payment request in accordance with University policy.

Treasa McLean
Director of Procurement

Invitation to Negotiate Acknowledgment Form (revised 4/29/2021)

FLORIDA POLYTECHNIC UNIVERSITY BOARD OF TRUSTEES
INVITATION TO NEGOTIATE

21-002 ITN
Grounds Maintenance

DUE DATE: June 02, 2021 at 2:00 p.m. Eastern Time

Section I – Overview

A. General Information and Summary

Florida Polytechnic University is a public research institution with a mission to educate students emphasizing Science, Technology, Engineering, and Mathematics (STEM) in an innovative, technology-rich, and interdisciplinary learning environment. The University collaborates with industry partners to offer students real-world problem-solving, work experience, applied research, and business leadership opportunities. Florida Polytechnic University is institutionally accredited, with several Accreditation Board for Engineering and Technology, Inc. (ABET)-accredited programs, and debuted in the top 75 on the US News and World Report Top Engineering Schools (without a doctorate).

The University's website, http://www.floridapoly.edu provides additional information, which may be useful to the Respondent.

B. Timetable

The estimated schedule and deadlines for this solicitation and contract award are projected as follows:

Date/Time	Activity
05/06/2021	Issue solicitation
05/20/2021	Written request for questions due date
05/27/2021	Estimated issuance of explanation response
06/02/2021 2:00 p.m. EST	Submittal Due Date
06/07/2021 (estimated)	Team Evaluation Meeting
06/08/2021 (estimated)	Notice of Intent to Award Contract
06/08/2021 (estimated)	Negotiations begin
TBD	Contract Executed

C. Attachments/Exhibits

The following attachments are hereby incorporated by reference and made part of this ITN:

- Attachment A – Certification Form
- Attachment B – Terms and Conditions
- Attachment C – Sample Agreement
- Attachment D – Minimum Insurance Requirements
- Attachment E – E-Verify Certification
- Exhibit 1 – Landscaping Plan
- Exhibit 2 – Landscaping Schedule
- Exhibit 3 – Grounds Keeping Maintenance Specifications
- Exhibit 4 - Landscaping Price Sheet
- Exhibit 5 – Statement of Available Equipment

D. Contact Person

The Procurement Department representative and sole point of contact (POC) for this solicitation is:

Treasa McLean
Director of Procurement
Email – tmclean@floridapoly.edu
Phone – 863.874.8583

Respondents are advised that from the date of issuance of this solicitation until award of the contract, **no contact with University personnel related to this solicitation is permitted. All communications are to be directed to the Procurement Department representative listed above. Any unauthorized contact will result in the disqualification of the respondent's submittal.**

Respondents are fully responsible for obtaining the complete solicitation, including all attachments, addenda (if applicable), and other information by visiting the Florida Poly Procurement website: https://floridapoly.edu/procurement-auxiliary-enterprises/procurement/solicitations.php. It is recommended that you bookmark this web site and visit it frequently.

Explanation(s) desired by respondent(s) regarding the meaning or interpretation of this solicitation must be requested from the above-named contact person in writing via email prior to the "Written request for explanation due date" as stated in the above Timetable. The explanation response will be issued in the form of an Addendum and posted to the Florida Polytechnic University Procurement website as identified above. All addenda must be signed and submitted as part of your response. Failure to do so may disqualify your response.

Any changes or clarifications to requirements or written questions will be issued by official addendum. Respondents should not rely on any representations, statements, or explanations other than those made in writing by the Florida Poly sole POC in the official addendum format. Where there appears to be a conflict between the solicitation and any addenda issued, the last addendum issued will prevail.

E. Insurance

Each respondent must include written evidence of insurance coverage in the amounts specified in **Attachment D**, "Minimum Insurance Requirements" with the response. Upon notice of intent to award contract to the successful respondent(s), an original ACORD certificate of insurance must be received by the Florida Polytechnic University Procurement Department, which must be in accordance with **Attachment**

D, “Minimum Insurance Requirements”. During the term of the contract, the successful respondent(s) must provide, pay for, and maintain such insurance.

F. Public Records

To the extent that Contractor meets the definition of “contractor” under section 119.0701, Florida Statutes, in addition to other contract requirements provided by law, Contractor must comply with public records laws, including the following provisions of section 119.0701, requiring Contractor to:

1. Keep and maintain public records required by University to perform the service.
2. Upon request from the University’s custodian of public records, provide the University with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in chapter 119, Florida Statutes, or as otherwise provided by law.
3. Ensure that confidential information or records that are exempt from public records disclosure are not disclosed except as authorized by law for the duration of this agreement, renewals, and following completion of the contract if Contractor does not transfer the records to University.
4. Upon completion of this Agreement, transfer, at no cost, to University all public records in possession of Contractor or keep and maintain public records required by University to perform the service.
    a) If Contractor transfers all public records to University upon completion of the contract, Contractor must destroy any duplicate confidential information or records that are exempt from public records disclosure.
    b) If Contractor keeps and maintains public records upon completion of this Agreement, Contractor must meet all applicable requirements for retaining public records.
    c) All records stored electronically must be provided to University, upon request from the University’s custodian of public records, in a format that is compatible with the information technology systems of the University.
5. Third parties requesting to inspect or copy public records relating to this agreement must be made directly to University. If University does not possess the requested records, University will notify Contractor of the request, and Contractor must provide the records to the public agency or allow the records to be inspected or copied within a reasonable time.

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

Florida Polytechnic University
Attention: General Counsel
4700 Research Way
Lakeland, FL 33805
ogc@floridapoly.edu
(863) 874-8412

6. The University may inspect the:
    a) Financial records, papers, and documents of the Contractor that are directly related to the performance of the contract or the expenditure of state funds.
    b) Contractor’s programmatic records, papers, and documents which the University determines are necessary to monitor the performance of this agreement or to ensure that the terms of this agreement are being met.
    c) The Contractor must provide such records, papers, and documents requested by the University within 10 business days after the request is made.

1) The right of access in this provision is not limited to the required retention period but lasts as long as the records are retained.

7. The terms of section 6 are material terms of this agreement, and failure to comply may result in termination and/or civil penalties.

Section II – Scope of Services

The Florida Polytechnic University invites qualified providers of Grounds Maintenance Services to submit responses to this Invitation to Negotiate (ITN). Qualified companies wishing to respond to the quote must provide all labor, materials, and equipment necessary to perform the services described herein. The awarded Respondent will be required to coordinate and work with the Facilities & Safety Services department at Florida Polytechnic University for proper delivery of Grounds Maintenance Services.

The Groundskeeping Maintenance Specifications attached as **Exhibit 3** are set as a minimum to gain the desired standards.

Quantities and/or frequencies of the Services are an estimation of the anticipated needs of the University. Estimated quantities and/or frequencies may increase or decrease as a direct result of the actual needs of the University. Areas of service will include, but are not limited to, the areas displayed in **Exhibit 1** (Landscape Plan), and type of services and frequencies are listed in **Exhibit 2** (Landscaping Schedule).

Qualified providers, after review of this ITN and attachments/exhibits, are required to complete **Exhibit 4** (Landscaping Pricing Sheet) and **Exhibit 5** (Statement of Available Equipment), and submit along with other information stated under Section III of this solicitation.

Section III – Submittal Information and Instructions

Submittals must be made in the official name of the company or individual under which business is conducted. All documents requiring signature, including the "Certification Form" (see **Attachment A**) and the "Acknowledgement Form" must be signed by a person duly authorized to legally bind the person, partnership, company, or corporation responding to this solicitation.

Submit one (1) original, four (4) hard copies, and one (1) electronic copy of your response directly to the Florida Polytechnic University Procurement Department at the following address:

Hard copies:

Florida Polytechnic University
Procurement Department
ATTN: Treasa McLean
4700 Research Way
Lakeland, FL 33805

Digital copy: Email: Bids@floridapoly.edu

All required signed and completed copies of the response must be received by the University by the due date and time as stated in the above Timetable, Section I.B. **Late or incomplete submittals will not be accepted.**

CAUTION: The "Certification Form" (see **Attachment A**) and "Acknowledgement Form" must be signed and submitted as part of your response. **Failure to do so will disqualify your response.** Additionally, all addenda (if applicable) must be signed and submitted as part of your response.

The original response is to be submitted with the appropriate tab identification as requested in this solicitation. All copies must be securely bound with appropriate tab identification. The original and all copies must be submitted in a sealed box/envelope. The outer carton of the sealed box/envelope must include the company name and address, solicitation number and name, and due date.

The entire submittal must be limited to forty (40) consecutively numbered, single-sided 8½ x 11 pages (or twenty (20) pages front and back). Font size must be a minimum of 10 point. Essential documents (i.e., Tab A), cover sheets, table of contents, divider tabs, and financial reports (if applicable) will not count as pages, provided no additional information such as proposal language, pictures of past projects, etc. is included in these pages.

Responses must be complete; partial or incomplete responses may not be considered. Responses should be clear, concise, and relevant, and not refer the University to electronic media such as websites. Information submitted that is not requested by the University may be considered supplemental, and not subject to evaluation.

Formatting Instructions

Respondents must format their responses utilizing the following tab system with requested information contained in each. The original and all copies must be submitted with the appropriate tab identification. Failure to comply may result in a negative review of your response and may place your response in jeopardy.

Florida Poly is subject to chapter 119, Florida Statutes, which requires it to provide access to its records, subject to certain limitations. Material submitted in response to this solicitation may become a public document unless a specific exemption to Chapter 119, Florida Statutes exists. Submitted material which is marked as confidential will be treated as confidential by Florida Poly only to the extent it is considered a trade secret as defined under Florida law or it meets other criteria otherwise exempt from Chapter 119, Florida Statutes, or other applicable law.

For the information to be considered covered by trade secret exemption of the Public Records law, you must take measures to assert the exemption by placing the information provided in your response that meets the criteria of a trade secret in Tab H, "Confidential Information".

Tab A: Essential Documents

1. Signed "Certification Form" (see **Attachment A**)
2. Signed "Contractual Services Acknowledgement Form"; pages 1 and 2 of this ITN document.
3. A copy of the respondent's current Business License/Registration Certificate from the appropriate governing board. The respondent must be properly registered at the time of submittal to practice in the State of Florida.
4. If the respondent is a corporation, limited liability company, or limited partnership, provide a copy of the Florida Department of State Certificate of Status.
5. Proof of ability to provide insurance coverage in the amounts specified in **Attachment D**, "Minimum Insurance Requirements". Such proof may take the form of a draft 'ACORD' certificate or a letter of intent from the respective carrier or agent.

Tab B: Executive Overview

1. Provide basic information including the name of the company; street, mailing and e-mail addresses; telephone and fax numbers; website; and a primary contact relative to this submittal.

2. Provide the number of years the company has been in business, form of ownership, and the state of residency or incorporation. If the company has multiple offices, primarily include information about the office that will provide the services described herein.
3. Disclose if the company has ever declared bankruptcy, declared insolvent, or placed in receivership. If yes, attach a statement indicating the bankruptcy or receivership date, court jurisdiction, trustee's or receiver's name, telephone number, amount of liabilities, amount of assets, and current status of the bankruptcy or receivership.
4. Attach detailed information regarding any litigation or claims of more than $25,000.
5. Disclose any conflicts of interest or limitations that may exist should the company be selected to provide services to the University. Please also describe the company's approach to handling potential conflicts of interest.

Tab C: Pricing for Services

After review of ITN and all attachments and exhibits, complete **Exhibit 4** "Landscaping Pricing Sheet" for submission.

Tab D: Available Equipment / Dedicated Personnel on Campus

1. Complete **Exhibit 5** "Statement of Available Equipment", listing all equipment available to the Respondent to deliver services referenced in **Exhibits 1 – 3**.
2. Please provide an organization chart or list of personnel dedicated to the Ground Maintenance of this campus. Provide any supporting documentation regarding diversity and inclusion practices used in recruitment and retention, if any.

Tab E: References

Provide at least three references to whom you have provided the same or similar services for within the last 3–5 years. Each reference should include the company name, contact name, current phone number, and e-mail address. **DO NOT use FLORIDA POLY Staff or trustee names as references.**

Tab F: Addenda

All addenda (if applicable) will be signed and submitted with your response.

Tab G: Contract

1. See **Attachment C**, "Sample Agreement" for the University's standard agreement to be executed with the successful respondent. If applicable, list any objections to specific contract terms and provide suggested replacement language.
2. The University reserves the right to accept or reject any suggested replacement language. Although subject to minor revisions to include all clarifications and negotiated modifications, the successful respondent(s) will be required to execute the University's agreement.

Tab H: Confidential Information

Any trade secrets or proprietary information submitted with a proposal for which the company seeks protection from public disclosure must comply with section 688.002(4), Florida Statutes. A second copy of the proposal must be submitted with the trade secret or proprietary information redacted, and the word "Redacted" must be included in the file name.

Tab I: Additional Information

Any information provided in your response that was not directly requested by the University will be considered supplemental and must be placed in Tab I, "Additional Information". Additional Information may not be subject to evaluation by the Evaluation Team.

EVALUATION PROCESS AND CRITERIA

Each submittal will be reviewed by the Procurement Department to determine whether it is responsive to the submission requirements outlined in this solicitation. A responsive submittal is one which has followed the requirements of the solicitation, includes all documentation (including, but not limited to, the Essential Documents requested in Tab A), is submitted in the format outlined in the solicitation, was submitted prior to the due date and time, and has the appropriate signatures as required on each document. Failure to comply with these requirements may put your response at risk of being rejected as "non-responsive".

The University reserves the right to reject any and all submittals or portions thereof, to withdraw this solicitation or a portion of this solicitation without making an award, and to waive any irregularities in the responses received.

Submittals fulfilling the basic requirements will be referred to the Evaluation Committee for review and further consideration. The evaluation will utilize the following broad scoring criteria:

EVALUATION CRITERIA

No	Criteria	Tab(s)	Points
1	Price	C	50
2	Experience	B, G	25
3	Personnel	D	10
4	Equipment	D	10
5	References	E	5
	Total		**100**

The Evaluation Committee will convene to jointly and openly discuss the strengths and weaknesses of all proposals based on the written responses and additional written information as requested. Each evaluator will then independently evaluate each response and assign a score to each criterion for each respondent. The scoring by each member of the evaluation team will be converted to a ranking order of the respondents for each evaluator. Rankings by each evaluator will then be aggregated to establish a Total Committee Ranking for each respondent. Lastly, an overall Final Committee Ranking will be established for each respondent. Total scores will be used to break a tie in ranking.

All respondents are hereby advised that the University may determine that verbal explanations, additional written information, internal staff analysis and presentations, outside consultants, and/or any other information may be requested at any time during the evaluation process in order to assist the Evaluation Committee with the performance of their duties under this solicitation. The Evaluation Committee may determine as a result of additional information that the impact of this information is significant and will be accorded as such and may be incorporated into the scoring and/or ranking as a revision of the same and at the discretion of the Evaluation Committee.

NEGOTIATIONS AND CONTRACT AWARD

Representatives of the Respondent selected to participate in negotiation will be first **required to submit written authorization from the company CEO, COO, or CFO attesting to the fact that the company's lead negotiator is authorized to bind the company to the terms and conditions agreed to during negotiations**. Such authorization will be requested immediately after the ranking of the respondents, and the provision of such authorization will be a prerequisite to continuation in the negotiation process. Company negotiators must enter the negotiations prepared to speak on behalf of the company. The

University reserves the right to immediately terminate negotiations with any company whose representatives are not empowered to, or who will not, make decisions during the negotiation session.

Time is of the essence and, therefore, the University retains the right to cease negotiations with any and all companies that do not respond to negotiation issues on a timely basis. The University may reject offers that are determined not to be reasonably supportable. The University reserves the right to select, and subsequently recommend for award, the company which best meets its required needs, quality levels, and budget constraints.

If the University determines that a company awarded a contract based on this solicitation does not honor all agreements reached during the negotiations, the University reserves the right to immediately cancel the award, and to place the company on the University's suspended contractor list.

AGENDA ITEM: X.

Florida Polytechnic University

Board of Trustees

June 29, 2021

Subject: FPU-3.006 Student Code of Conduct

Proposed Action

Approve emergency regulation **FPU-3.006 Student Code of Conduct** to be effective July 1, 2021**.**

Background Information

The proposed emergency regulation revises the Student Code of Conduct to comply with amendments to section 1006.60, Florida Statutes, enacted during the 2021 legislative session. These revisions include:

- Updating time frames for notices to charged students and the content of the notices;
- Adding a provision that the student's advisor may participate in certain portions of a Formal Hearing;
- Clarifying that the hearing body is impartial; and
- Clarifying that a charged student is presumed to not have violated the Student Code of Conduct.

As an emergency regulation, a Notice of Amendment was not published on the University's website. The emergency regulation will be in place for up to 90 days.

Supporting Documentation: DRAFT FPU-3.006 Student Code of Conduct

Prepared by: Melaine Schmiz, Assistant General Counsel

THE FLORIDA POLYTECHNIC UNIVERSITY BOARD OF TRUSTEES

FPU-3.006 Student Code of Conduct

(1) Introduction

(a) Community Values. The Student Code of Conduct is designed to promote responsible behavior for all students consistent with the values and welfare of the Florida Polytechnic University ("University") community. It exists to define the behavioral rights and responsibilities of University students and student organizations. The Student Code of Conduct fosters and enhances the academic mission of the University as well as protects the rights of all University students, faculty, and staff.

(b) Applicability. The Student Code of Conduct applies to the conduct of any student or student organization that occurs: on University property; at University or student-sponsored activities; and at locations where a University course or program is being conducted, including foreign locations such as study abroad and exchange programs. It also applies to off-campus conduct and online conduct that adversely affects the University community and/or the pursuit of its objectives.

(2) Authority

(a) The Florida Polytechnic University Board of Trustees is charged with the responsibility and authority for creating a Student Conduct Review Process. Authority for the Student Conduct Review Process rests with the University President or designee ("President").

(b) Student organizations are also regulated under this authority.

(3) Definitions

(a) **Responding Party.** Any student or student organization that has been charged with violating the Student Code of Conduct.

(b) **Advisor**. The person chosen by the Responding party who may assist and/or accompany the Responding party throughout the Student Conduct Review Process.

(c) **Business Day**. Monday through Friday from 8 am to 5 pm, excluding University holidays.

(d) **Reporting Party**. A person that believes that he or she has been a victim of a student's misconduct or any person who submits an allegation that a student violated the Student Code of Conduct.

(e) **Sanction.** Outcome(s) imposed on the Responsible.

(f) **Faculty Member.** Any person hired by the University to conduct classroom or teaching activities or who is otherwise considered by the University to be a member of its faculty.

(g) **Good Standing**. A conduct status describing a student who does not have pending charges under the Student Code of Conduct or incomplete misconduct Sanctions.

(h) **Hearing Body.** Any impartial person or persons appointed by the Vice Provost of Student Affairs or designee to conduct hearings to determine whether the Responding party has violated the Student Code of Conduct and impose Sanctions. This includes a Hearing Officer or Hearing Panel.

(i) **May.** The term "may" is used in the permissive sense.

(j) **Policy.** Any written policies, regulations, or rules of the University as found in, but not limited to, the Student Code of Conduct; University Policies, Regulation and Rules webpage; the Student Handbook; Housing Policies and Rules, and the Undergraduate and the Graduate Catalogs.

(k) **Preponderance of the Evidence.** Information considered as a whole that indicates the facts sought to be proved are more likely than not. This is the burden of proof that must be met in a determination of responsible or not responsible.

(l) **Representative**. An Office of Student ~~Development~~ Affairs employee designated by the Vice Provost of Student Affairs to fulfill specified duties under the Student Conduct Review Process.

(m) **Responsible**. A student or student organization that has been found to have violated the Student Code of Conduct by a preponderance of the evidence.

(n) **Student.**

(i) Persons taking courses at the University (full-time or part-time) in undergraduate, graduate, or professional studies;

(ii) Persons who withdraw from the University after allegedly violating the Student Code of Conduct;

(iii) Persons who were previously enrolled but are not officially enrolled for a particular term and have a continuing relationship with the University; or

(iv) Persons who have been notified of their acceptance for admission to the University.

(o) **Student Organization.** A registered student organization as described in FPU- 3.002 Student Government and Student Organizations.

(p) **University Community.** Includes any University officer, employee, student, applicant, visitor, agent, vendor, or contractor.

(q) **University Official.** Includes any person employed by the University that is performing assigned administrative or professional responsibilities.

(r) **University Property.** Property owned or controlled by the University.

(s) **Witness**. A person who has relevant information to help a decision maker determine whether or not an alleged violation of the Student Code of Conduct has taken place.

(4) Student Rights In the Student Conduct Review Process. The student has the right to:

(a) A presumption that a violation of the Student Code of Conduct has not occurred.

~~(a)~~(b) Be free from self-incrimination. However, the rights and rules of evidence or procedure in a civil or criminal proceeding do not apply to the Student Conduct Review Process.

~~(b)~~(c) Be informed of and receive just and unbiased treatment under the Policies of the University, in its courses, in its residential life, and in its extracurricular activities;

~~(c)~~(d) Be informed of decisions impacting their status, advancement, or exercise of University benefits, and have the opportunity to appeal, through a defined process and framework, those decisions in accordance with the procedures prescribed in this Student Code of Conduct;

~~(d)~~(e) Have past behavior considered only when related to the charge(s);

~~(e)~~(f) Privacy, including the confidentiality of education records according to the Federal Family Educational Rights and Privacy Act of 1974 (FERPA);

~~(f)~~(g) Adequate notice of charges and a fair and impartial hearing under the Student Code of Conduct;

~~(g)~~(h) Be secure in their persons, living quarters, papers, and effects against unreasonable searches and seizures by the University; and

~~(h)~~(i) Ready access to established University Policies.

(5) Student Responsibilities. The student has the responsibility to:

(a) Observe and comply with all University Policies and local, state, and federal laws;
(b) Respect the rights and privacy of others;
(c) Accept the Sanctions imposed due to one's actions;
(d) Maintain high standards of academic integrity and honor in all work submitted; and
(e) Conduct oneself in a manner that does not infringe upon the rights of other members of the University community.

(6) Misconduct. Any student or student organization found to have committed or to have attempted to commit the following misconduct is subject to Sanctions in accordance with this Student Code of Conduct.

(a) **Acts of Dishonesty**, including but not limited to the following:
  (i) **Cheating**, **plagiarism**, or other forms of academic dishonesty as defined in University Regulation FPU-5.005 Academic Integrity.
  (ii) **Furnishing false information** to any University official, faculty member, or office.
  (iii) **Forgery, alteration, or misuse** of any University document, record, or instrument of identification.

(b) **Disruption or obstruction** of teaching, research, administration, disciplinary proceedings, other University activities, including its public service functions, on or off campus, or of other authorized non-University activities when the conduct occurs on University property.

(c) **Physical abuse, verbal abuse, threats, intimidation, harassment, stalking, coercion**, and/or other conduct that threatens or endangers the health or safety of any person, group, or animal that is not of a sexual nature, including bullying. Bullying is repeated and/or severe aggressive behaviors that intimidate or intentionally harm or control another person physically or emotionally, and such conduct is not protected by freedom of expression.

(d) **Sexual misconduct** as defined in University Policies.

(e) **Attempted or actual theft** of and/or **damage to property,** including intellectual property, of the University or property of a member of the University community or other personal or public property, on or off campus.

(f) **Hazing**, means any action or situation, which occurs on or off University property, that recklessly or intentionally endangers the mental or physical health or safety of a student for purposes including, but not limited to, initiation, admission into, affiliation with, or the perpetuation or furtherance of a tradition or ritual of any University student organization or group whether or not officially recognized by the University. Hazing includes, but is not limited to, pressuring or coercing the student into violating state or federal law; any brutality of a physical nature, such as whipping, beating, branding, exposure to the elements, forced consumption of any food, liquor, drug, or other substance; or other forced physical activity that could adversely affect the physical health or safety of the student; or any activity that would subject the student to extreme mental stress, such as sleep deprivation, forced exclusion from social contact, forced conduct that could result in extreme embarrassment, or other forced activity that could adversely affect the mental health or dignity of the student. Hazing does not include customary athletic events or other similar contests or competitions or any activity or conduct that furthers a legal and legitimate objective.

(g) **Failure to comply with directions** of University officials or law enforcement officers acting in performance of their duties and/or failure to identify oneself to such persons

when requested to do so.

(h) **Unauthorized possession, duplication or use of keys** to any University property or unauthorized entry into or use of University property.

(i) **Violation of any University Policy**.

(j) **Violation of any federal state, or local law**.

(k) **Use, possession, manufacturing, selling or distribution of marijuana, heroin, narcotics, or other controlled substances**, except as expressly permitted by law. This includes the misuse of prescription drugs, paraphernalia used for drugs (e.g. bongs, glass pipes, etc.) and the un-prescribed use, inhalation, or ingestion of a substance (e.g. nitrous oxide, glue, paint, etc.) that could alter a person's mental state.

(l) **Use, consumption, possession, manufacturing, selling or distribution of alcoholic beverages** (except as expressly permitted by University Policies), paraphernalia used for consumption of alcohol (e.g. kegs, bongs, etc.) or public intoxication. Alcoholic beverages may not, in any circumstance, be used by, possessed by or distributed to any person under twenty-one (21) years of age.

(m) Attending class, an Organizational meeting or other University event that is specific for an educational purpose while under the influence of the substances listed in sections (k) and (l)

(n) **Control or operation of any vehicle**, including non-motorized vehicles, **while impaired** by alcohol or another substance.

(o) **Illegal or unauthorized possession of firearms, explosives, weapons, or dangerous chemicals** on University property or use of any such item, even if legally possessed, in a manner that harms or threatens others.

(p) Soliciting, facilitating, or participating in any **illegal gambling**, bookmaking or illegal betting whether through a bookmaker, a parlay card, a pool or any other method of organized gambling.

(q) Causing or attempting to cause a **fire or explosion**; **falsely reporting a fire**, **explosion**, or an **explosive device**; **tampering with fire safety equipment**; or **failure to evacuate** University buildings during a fire alarm.

(r) **Unauthorized posting of commercial advertising** or engaging in **commercial activity** as described in University Policies.

(s) **Participation in an on-campus or off-campus demonstration, riot or activity that disrupts the normal operations** of the University and/or infringes on the rights of other members of the University community; or leading or inciting others to disrupt scheduled and/or normal activities within any campus building or area.

(t) **Obstruction of the free flow of pedestrian or vehicular traffic** on University property or at University sponsored or supervised functions.

(u) **Conduct that is disorderly, lewd, or indecent**; **breach of peace**; or aiding, abetting, or procuring another person to breach the peace on University property or at functions the University or members of the University community have sponsored or participated in.

   (i) **Disorderly Conduct** includes, but is not limited to: any unauthorized use of electronic or other devices to make an audio or video record of any person while on University property without his or her prior knowledge, or without his or her effective consent when such a recording is likely to cause injury or distress. This includes, but is not limited to, surreptitiously taking pictures of another person in a gym, locker room, or restroom.

(v) **Theft or other abuse of computer facilities and resources**, including but not limited to:
(i) Unauthorized entry into a file to use, read, or change the contents, or for any other purpose.
(i) Unauthorized transfer of a file.
(ii) Use of another individual's identification and/or password.
(iii) Use of computing facilities and resources to interfere with the work of another student, faculty member or University Official.
(iv) Use of computing facilities and resources to send obscene or abusive messages.
(v) Use of computing facilities and resources to interfere with normal operation of the University computing system.
(vi) Use of computing facilities and resources in violation of copyright laws.

(w) **Residence Hall Policy Violation,** includes violations of any policy or regulation governing University Housing, as well as, the Resident Handbook.

(x) **Abuse of the Student Conduct Review Process**, including but not limited to:
(i) Failing to obey the notice from the Office of Student ~~Development~~ Affairs or a University official to appear for a meeting or hearing as part of the Student Conduct Review Process.
(ii) Falsifying, distorting, or misrepresenting of information before a Hearing.
(ii) Disrupting or interfering with the orderly conduct of a Student Conduct Review Process.
(iii) Reporting a violation of the Student Code of Conduct in bad faith.
(iv) Attempting to discourage an individual's proper participation in, or use of, the Student Conduct Review Process.
(v) Attempting to improperly influence the impartiality of a Hearing Body prior to, and/or during the course of, the Student Conduct Review Process.
(vi) Harassing (verbal or physical) and/or intimidation of a Hearing Body prior to, during, and/or after a Student Conduct Review Proceeding.
(vii) Failing to comply with the Sanction(s) imposed under the Student Code of Conduct.
(viii) Influencing or attempting to influence another person to commit an abuse of the Student Conduct Review Process.
(ix) **Retaliation** against a person(s) alleging misconduct or participating in the student conduct review process.

(7) Sanctions. The Responsible is subject to Sanctions commensurate with the offense with consideration given to any aggravating and mitigating circumstances, including but not limited to the Responsible' s conduct record at the University. The Responsible' s efforts to get help or assist others may be taken into account in determining Sanctions. The Responsible' s failure to complete Sanctions may result in a registration, transcript, final grades, and/or diploma hold. Sanctions that may be imposed upon the Responsible include, but are not limited to:

(a) **Deactivation**. The loss of all privileges, including University recognition, for a specified period of time when the Responsible is an organization.
(b) **Discretionary Educational Sanctions**. Work assignments, essays, service to the University, or other related discretionary Sanctions.
(c) **Fines**. Previously established and published financial fines may be imposed.
(d) **Loss of Privileges**. Denial of specified privileges for a designated period of time.
(e) **Probation**. A designated period of time where more severe disciplinary Sanctions will be imposed if the Responsible is found to violate the Student Code of Conduct

during the probation period.

(f) **Residence Hall Expulsion**. Permanent separation of the Responsible from the residence halls.

(g) **Residence Hall Suspension**. Separation of the Responsible from the residence halls for a definite period of time, after which the Responsible is eligible to return. Conditions for returning to the residence halls may be specified.

(h) **Restitution**. Requiring compensation for loss, damage, or injury. This may take the form of appropriate service and/or monetary or material replacement.

(i) **Revocation of Admission and/or Degree**. Admission to the University or a degree awarded from the University may be revoked for fraud, misrepresentation, or other violation of University standards in obtaining the degree, or for other violations that were committed by the student prior to graduation.

(j) **University Expulsion**. Permanent separation of the Responsible from the University.

(k) **Deferred Suspension**. Suspension that will be imposed at a defined future date or time unless sanctions are completed as described by the hearing officer and there are no further policy violations.

(l) **University Suspension**. Separation of the Responsible from the University for a definite period of time. Conditions for readmission to the University will be specified. The Vice Provost of Student Enrollment or designee will instruct the Registrar to place an overlay on the Responsible' s transcript during the period of suspension indicating the period of suspension. Further, while on University Suspension, a hold will be placed on the Responsible' s record to prevent registration. All assigned educational Sanctions must be completed prior to the restoration of student privileges; otherwise the suspension will remain in effect. A suspended student is not permitted on University property during the length of his/her suspension. A suspension may be deferred so that the Responsible can attend classes for the remainder of the semester.

(l) **Warning**. A notice in writing to the Responsible that the Responsible is violating or has violated the Student Code of Conduct.

(m) **Withholding Degree.** The University may withhold awarding a degree otherwise earned until the completion of the process set forth in this Student Code of Conduct, including the completion of any Sanctions imposed.

(n) One or more of the Sanctions listed above may be imposed for any single violation.

(8) Interim Suspension. In certain situations, the Provost or designee may impose a University or residence hall interim suspension prior to the completion of the Student Conduct Review Process.

(a) An interim suspension may be imposed:

(i) To ensure the safety and well-being of members of the University community or preservation of University property; or

(ii) If the student poses an ongoing threat of disruption of, or interference with, the normal operations of the University.

(b) If requested in writing by the student, an interim suspension is subject to a review at a hearing within three (3) business days by the Provost or designee to determine the status of the interim suspension. The outcome of an interim suspension hearing remains in effect until the final disposition of the charges unless the Provost or designee decides otherwise.

(c) During the interim suspension, the student may be denied access to the residence halls and/or to the campus (including classes) and/or all other University activities or privileges for which the student might otherwise be eligible, as the Provost or designee determines to be appropriate.
(d) The interim suspension does not replace the regular Student Conduct Review Process, which proceeds on the normal schedule, up to and through a formal hearing, if required.
(e) If the student is subsequently found not responsible for the violation, the University will:
(i) Correct any record of the change in enrollment status in the student's permanent records and reports in a manner compliant with state and federal laws; and
(ii) Refund to the student a pro rata portion of any charges for tuition and out-of-state fees, as appropriate, if the temporary suspension of the student's ability to attend classes lasts for more than ten (10) business days.

(9) Student Conduct Review Process

(a) **General Provisions.**

(i) Requests for reasonable accommodations. The Responding party, Reporting party, or other person participating in the Student Conduct Review Process may submit a request for reasonable accommodations for a documented disability for any part of the Student Conduct Review Process to the Office of Student ~~Development~~ Affairs representative (the "Representative"). The Representative must receive such requests at least three (3) business days prior to the part of the Student Conduct Review Process for which the person is requesting accommodations.
(1) The Representative has the discretion to grant such requests. The Representative also has the discretion to waive the three (3) business day requirement.

(ii) Requests for Postponement. The Responding party or Reporting party may request to postpone any part of the Student Conduct Review Process.
(1) Requests to postpone any part of the Student Conduct Review Process must:
(i) Be submitted in writing to the Representative at least three (3) business days prior to the part of the Student Conduct Review Process for which the person is requesting postponement, and
(ii) State the reason(s) for the request.
(2) The Representative has the discretion to grant such requests. The Representative also has the discretion to waive the three (3) business day requirement.
(3) The University is not required to postpone a Student Conduct Review proceeding pending the outcome of a criminal prosecution.

(iii) Notices. All notices to a student are sent to the student's official University email account. Notices to a student organization are sent to the student organization's highest-ranking officer's official University email account.

(iv) Remote Participation. The Representative has the discretion to allow the Responding party, Reporting party, and/or Witness to participate in the Student Conduct Review Process remotely via telephone or other electronic means.
(1) Requests to participate remotely must be received by the Representative at least three (3) business days prior to the part of Student Conduct Review Process for which the request is being made.
(2) The Representative has the discretion to waive the three (3) business

day requirement.

(v) Failure to Attend Scheduled Meeting or Hearing.

(1) After receiving notice, if the Responding party, Reporting party, or Witness does not timely request a postponement and does not attend a scheduled meeting or hearing, the meeting or hearing will take place as scheduled.

(2) Sanctions may be imposed against the Responding party even if the Responding party does not attend scheduled meetings and hearings. The Responding party will be sent written notice of any imposed Sanctions.

(3) The Representative may have a hold placed on the Responding party's registration, transcript, final grades and/or diploma if the Responding party does not attend a scheduled meeting or hearing. This hold is removed once the Responding party attends the re-scheduled meeting or hearing, or the Student Conduct Review Process is concluded.

(vi) Advisor. The Responding party and the Reporting party may have, at their own expense and initiative, an Advisor present for any part of the Student Conduct Review Process. The Advisor may be an advocate or legal representative.

(1) If the Responding party or Reporting party chooses to have an Advisor, it is his or her responsibility to make appropriate arrangements for the Advisor to attend the Student Conduct Review Process. No part of the Student Conduct Review Process will be delayed due to scheduling conflicts with an Advisor.

(2) The Advisor may be present to advise the Responding party or Reporting party and may participate in all aspects of the Formal Hearing but cannot testify for the student nor serve in any other role, including as a witness, an investigator, decider of fact, hearing body, or person appointed to decide an appeal. ~~but cannot speak for or present the case or otherwise participate directly in the Student Conduct Review Process~~.

(3) If the Responding party or Reporting party chooses an attorney as the Advisor, the Responding party or Reporting party must inform the Representative of such at least three (3) business days prior to the Initial Meeting.

(vii) University's Right to Attorney. The University may be advised by an attorney at any time prior to, during, or after the Student Conduct Review Process.

(viii) Burden of Proof. The burden of proof for any portion of the Student Conduct Review Process is not on the Responding party.

(ix) Student's Eligibility to Attend Classes and University Activities.

(1) A student remains eligible to attend classes and University activities pending the outcome of the Student Conduct Review Process and until any appeal is concluded except for in the following situations:

(i) The student is currently subject to an Interim Suspension; or

(ii) Where there is an appeal and the Sanction(s) imposed included University or Residence Hall Suspension or Expulsion.

(2) If the student is subsequently found not responsible, the University will:

(i) Correct any record of the change in enrollment status in the student's permanent records and reports in a manner compliant with state and federal laws; and

(ii) Refund to the student a pro rata portion of any charges for tuition and out-of-state fees, as appropriate, if the suspension of the student's ability to attend classes lasted for more than ten (10) school days.

(x) Alleged Violations of University policy FPU-1.005P Sexual ~~Harassment~~ Misconduct may require additional procedural rights. In the event of a conflict between this regulation and University policy FPU-1.005P Sexual Misconduct~~Harassment~~, University policy FPU-1.005P Sexual ~~Harassment~~ Misconduct controls. Additionally, in the event of a conflict between this regulation and University Regulation FPU-1.005 Discrimination and Harassment Complaint and Investigation Procedures, University Regulation FPU-1.005 Discrimination and Harassment Complaint and Investigation Procedures controls.

(b) **Student Conduct Report**. Any person or entity may report an alleged violation of the Student Code of Conduct to the Office of Student ~~Development~~Affairs. The University may conduct an investigation regarding the circumstances of the report. An investigation is a neutral fact-finding process that determines whether there is sufficient information to move forward with formal student conduct charges or other action as appropriate. An investigation may include interviews with the Reporting Party, the Responding party, and any Witnesses.

(c) **No Charges Filed.** The Representative may choose to not file charges if:

(i) It is found that there are not sufficient facts or information to substantiate a violation of the Student Code of Conduct.

(ii) The person being accused of violating the Student Code of Conduct is not a student;

(iii) The action claimed as misconduct is not a violation of the Student Code of Conduct.

(iv) Or in other appropriate circumstances such as Medical Amnesty as referenced in University policy FPU-1.0003P Alcohol Policy.

(d) **Filing Charges and Timeline.** The Representative will review the relevant information to determine if a student or student organization will be charged with violating the Student Code of Conduct. Upon receipt of a report, the Representative has six (6) months to file a charge. The Representative may exercise discretion when applying the time provision to account for circumstances that warrant a waiver of the six (6) month time limit.

(e) **Notice of Charges**. The Representative will give the Responding party written notice of the charge(s) at least seven~~five~~ (7~~5~~) business days prior to the Initial Meeting, unless student has waived the seven~~five~~ (7~~5~~) business day requirement in writing. The Notice of Charges must include:

(i) Specific charges including specific code sections alleged to have been violated;

~~(i)~~(ii) The process to be used in determining whether a violation has occurred and associated rights

~~(ii)~~(iii) A description of the behavior that led to the charges; and

~~(iii)~~(iv) An opportunity for the Responding party to attend an Initial Meeting.

(f) **Notice of Reporting Party's Rights**. The Representative will give the Reporting party written notice of their rights. The Reporting party has the same rights as the Responding party, including the right to appeal and the rights described in Section (9)(j)(v) Reporting party's Rights. The Reporting party

also has the same responsibilities as the Responding party.

(g) **Initial Meeting**. The Responding party has the opportunity to attend an Initial Meeting with the Representative. The Responding party may choose an Advisor to accompany the Responding party to the Initial Meeting.

(i) At the Initial Meeting, the Responding party will be given an overview of the Student Conduct Review Process, information known at the time the charge(s) were filed, and an opportunity for the Responding party to accept or deny responsibility for the charge(s).

(ii) At the conclusion of the Initial Meeting, the Representative will select an option for resolution. The options are: 1) Dismissal of Charges; 2) Non-Formal Resolution; or 3) Formal Hearing.

(1) Responding Party Accepts Responsibility. If the Responding party accepts responsibility, the Representative may choose to resolve the violation through non-formal resolutions.

(2) Responding Party Denies Responsibility. If the Responding party denies responsibility or wishes to have a Formal Hearing, the charge(s) will be resolved by a Formal Hearing.

(3) Non-Formal Resolution Requirements. Non-formal resolutions may be used when the student accepts responsibility and possible Sanctions do not include suspension or expulsion. Non-formal resolutions may not be used for violations that the Representative deems to be serious, such as sexual misconduct, violence, or violations involving weapons.

(h) **Non-Formal Resolution**. Non-formal resolutions include:

(i) Mediation Agreement: Depending on the nature and severity of the charge, the Representative may recommend mediation. The Responding party and the Reporting party must both agree to mediation for mediation to be an option. Mediation is confidential.

(1) In mediation, the Responding party and the Reporting party voluntarily meet with an impartial mediator to communicate their concerns and needs to each other and to reach their own agreement on the resolution of the case ("Mediation Agreement"). The Responding party and Reporting party are responsible for honoring their Mediation Agreement or renegotiating it, if necessary.

(2) Breach of a Mediation Agreement may result in a follow up mediation session, or the Representative may refer the matter back through the Student Code Review Process.

(3) If the Responding party and Reporting party do not agree to mediate or mediate but do not reach a full and final resolution, the matter will be referred back through the Student Conduct Review Process for an Administrative Agreement or a Formal Hearing.

(ii) Administrative Agreement: An Administrative Agreement is negotiated by the Representative and the Responding party. The Administrative Agreement is between the Responding party and the Office of Student ~~Development~~Affairs.

(1) The Administrative Agreement may include punitive Sanctions (disciplinary warning or disciplinary probation) as well as educational Sanctions (papers, seminars, community service, etc.).

(2) Breach of an Administrative Agreement may result in a new Administrative Agreement, or Representative may refer the matter to be resolved by a Formal Hearing or Mediation.

(iii) Deferred Determination: Deferred Determination is when the determination is delayed so the Responding Party can complete certain requirements in an allotted timeframe. The Representative determines the requirements and timeframe in which the requirements must be met. At the completion of all requirements, the Responsible Party will be found "not responsible." Deferred Determination only be used for specific non-violent first-time offenses.

(i) **Failure to Resolve Through Non-Formal Resolution.** If the charge is not resolved by a non-formal resolution, the matter will be resolved through a Formal Hearing.

(j) **Formal Hearing:** The Formal Hearing is not a criminal or judicial proceeding and is designed to address student or student organization behavior; therefore, alleged violations of the Student Code of Conduct will be addressed independently of any penalty imposed by the courts for a criminal offense. All Formal Hearings are recorded and confidential.

(i) Notice of Formal Hearing. The written Notice of Formal Hearing is sent to the Responding party and the Reporting party at least ~~five~~ seven (7~~5~~) business days prior to the Formal Hearing. The notice must include:

(1) The date, time, and location of the Formal Hearing;

(2) The names of witnesses to be called and information to be used in the Responding party's matter;

~~(2)~~(3) The process to be used in determining whether a violation has occurred and associated rights;

~~(3)~~(4) Whether the Hearing Body received any additional information after the Initial Meeting that will be used in the Formal Hearing, and, if so, will indicate when and where the additional information may be viewed; and

~~(4)~~(5) The names of the members of the Hearing Body.

(ii) Opportunity to Inspect Information. The Responding Party and the Responding Party's Advisor, and the Reporting Party and the Reporting Party's Advisor, have the right to inspect all known information, both inculpatory and exculpatory, in the University's possession related to the allegation, including all known witnesses at least five (5) business days before the Formal Hearing.

~~(ii)~~(iii) Responding Party's Right to Hearing Panel and Waiver. The Responding party has the right to a Formal Hearing conducted by a Hearing Panel. If the Responding party chooses to waive this right, a Hearing Officer conducts the Formal Hearing. The Responding party may waive their right to a Hearing Panel if:

(1) The Responding party requests such a waiver in writing on forms provided by the University that include an explanation of the effect of the waiver; and

(2) The Vice Provost of Student Affairs or designee approves the Responding party's request.

~~(iii)~~(iv) Responding Party's and Reporting Party's Right to Inspect Information. The Responding party and the Reporting party each have the right to inspect all of the information, including witnesses, that will be presented against the Responding party at least three (3) business days before the Formal Hearing.

~~(iv)~~(v) University's Right to Inspect Information. The University also has the right to review any information, including witnesses, the Responding party and Reporting party intend to use at least three (3) business days before the Formal Hearing.

~~(v)~~(vi) Reporting Party's Rights. Reporting Party has the right:

(1) To have unrelated past behavior excluded from the hearing.

(2) To participate in and be present throughout the entire Formal Hearing or any portions thereof. If the Reporting party does not want to be present in the same room as the Responding party, the Hearing Body will make alternative arrangements, if possible.

(3) To testify in limited privacy. In lieu of testifying in person or via telephone, the Reporting party may submit a written or recorded statement. The determination of whether the testimony will be given in limited privacy is made at the discretion of the Vice Provost of Student Affairs or designee.

(4) To submit a "student impact statement" and offer to the Hearing Body a suggestion of what the Reporting party believes to be an appropriate Sanction for the Responding party. This information may be used only to determine Sanctions.

(5) To be excluded from direct examination in cases where sexual misconduct or abuse is alleged. The Responding party will not be permitted to directly question the Reporting party where the alleged violations are sexual misconduct or abuse. In such cases, the Responding party and the Reporting party must submit questions to the Hearing Body; however, the Hearing Body is not required to ask all of the questions submitted.

~~(vi)~~(vii) Hearing Body. The Hearing Body reviews all information presented during the Formal Hearing and determines whether the Responding party is responsible. The Representative that conducts the Initial Meeting cannot serve as a Hearing Body.

(1) Formal Hearing Conducted by Hearing Panel. The Representative facilitates a Formal Hearing conducted by a panel. The Representative does not participate in deliberations. The Representative selects a member of the Hearing Panel to chair the hearing and report the recommended finding(s) and sanctions, if any. The Hearing Panel must consist of at least 50% students. The Provost or designee appoints faculty, staff, and student representatives to the Hearing Panel.

(2) Formal Hearing Conducted by Hearing Officer. The Hearing Officer conducts the hearing and determines the findings and Sanctions.

(3) Hearing Body for Charges Involving Sexual Misconduct. The Hearing Body is comprised of staff and/or faculty for charges involving sexual misconduct. However, upon request by the Responding party, and provided there is no objection from the Reporting party, Representative may approve that the Hearing Body will be a Hearing Panel with at least one-half of the members being students.

(4) Hearing Body Member Unable to Serve. If a Hearing Body member is unable to serve due to an emergency or unforeseeable occurrence, the Provost may appoint a new Hearing Body member prior to the scheduled hearing.

(5) Challenging a Hearing Body Member's Impartiality. The Responding party and/or Reporting party has the right to challenge any Hearing Body member's impartiality at least three (3) business days prior to the scheduled hearing. The Responding party may challenge the substitution of a substituted Hearing Body member at the time of the Formal Hearing.

The challenge must be in writing, and must show actual bias (such as a conflict of interest, animosity, pressure, or influence) that would preclude a fair and impartial hearing. The Vice Provost of Student Affairs or designee determines whether to grant such a challenge and such decision is final.

~~(vii)~~(viii) Witnesses and Information. The Responding party and/or Reporting party may present or arrange for witnesses to voluntarily present relevant information during the Formal Hearing. Character witnesses cannot participate in the Formal Hearing. The Hearing Body may accept pertinent records, reports, exhibits, and written statements as information for consideration.

(1) The Hearing Body facilitates the questioning of witnesses.

(2) The Responding party and/or Reporting party may submit a request in writing to the Representative to provide relevant information during the Formal Hearing in a manner that avoids direct contact with the Responding party and/or Reporting party.

(3) The Representative has the discretion to approve or deny the request.

~~(viii)~~(ix) Questions for Parties and Witnesses. Both parties ~~are required to~~may submit questions they would like the Hearing Body to ask of the other party or witnesses in writing and at least three (3) business days prior to the Formal Hearing. The Hearing Body will then review the questions to ensure they are relevant and appropriate. Both parties also have the opportunity to submit additional questions to the Hearing Body during the Formal Hearing.

~~(ix)~~(x) Determination of Responsibility. The determination of "responsible" or "not responsible" will be based upon a preponderance of the information. The determination must be based solely upon the information presented at the Formal Hearing.

~~(k) **Conduct of Formal Hearings.**~~

~~(1) Reading of charge(s) by Hearing Body.~~

~~(2) Responding party's response of "responsible" or "not responsible."~~

~~(3) Hearing Body presents information regarding the charges.~~

~~(4) Responding party's opening statement and presentation of information.~~

~~(5) Reporting party's opening statement and presentation of information.~~

~~(6) Hearing Body's questioning of the Responding party, Reporting Party and/or witnesses.~~

~~(7) Hearing Body's asking of questions that were submitted by the parties in advance of the Formal Hearing.~~

~~(8) Hearing Body's final questions of the Responding party.~~

~~(9) Parties may submit additional questions, if any, to the Hearing Body for consideration.~~

~~(10) Hearing Body's asking of additional question, if any.~~

~~(11) Responding party's closing remarks.~~

~~(12) Reporting party's closing remarks.~~

~~(13) Hearing is brought to a close.~~

~~(l)~~(k) **Deliberations**. Deliberations by the Hearing Body are not part of the hearing and are confidential. Deliberations occur after the close of the hearing and are not recorded.

~~(m)~~(l) **Findings, Recommendation, and Determination**.

(i) Presentment of Proposed Findings and Sanctions to Vice Provost. The Hearing Body's proposed findings and Sanctions must be presented to the Vice Provost of Student Affairs or designee within a reasonable period of time after the

conclusion of the Formal Hearing.

(ii) Vice Provost's Determination. The Vice Provost of Student Affairs or designee may accept the proposed findings of responsible or not responsible or remand the matter for a rehearing.

(1) If the Vice Provost of Student Affairs or designee accepts the proposed finding of responsible, then they may approve, mitigate, or increase the Sanctions proposed by the Hearing Body.

(2) If the Vice Provost of Student Affairs or designee alters the proposed Sanctions or remands the matter for a rehearing, the Responding party must be given a concise and explicit written statement that explains the basis for the decision to alter the Sanctions or remand the matter for a rehearing.

~~(n)~~(m) **Notice of Determination and Sanctions**. Following the Student Conduct Review Process, the Vice Provost of Student Affairs or designee notifies the Representative of the determination. The Representative notifies the Responding party and the Reporting party in writing of the determination and, to the extent permitted by law, of any Sanctions imposed.

~~(o)~~(n) **Official Record**. The recording of the Formal Hearing will serve as the official record of the Formal Hearing and is the property of the University. Retention of the record is subject to the General Records Schedule GS5 for Universities and Community Colleges.

~~(p)~~(o) **Appeal Process.**

(i) Responsibility. The Provost is responsible for overseeing the appeal process. The Provost may designate a University employee as an appellate officer to review the appeal and render a determination.

(ii) Appeal deadline. The Responsible or the Reporting party may appeal a determination reached or an imposed Sanction to the Representative. Such appeals must be in writing and must be received by the Representative no later than five (5) business days after the date the determination was sent.

(iii) Persons who may not hear or decide an appeal. No person may hear or decide an appeal if he or she conducted or participated in the Student Conduct Review Process being reviewed on appeal.

(iv) Basis of Appeal. When submitting an appeal, the student must state the reason(s) for appeal, the supporting facts, and the recommended solution. This is not a re-hearing of the conduct case. An appeal cannot be filed simply because the student is dissatisfied with the decision. Failure to describe the nature of the information in full detail in the appeal letter will result in the denial of an appeal.

(1) Formal Hearing was not Properly Conducted. The purpose of the appeal will be to determine whether the Formal Hearing was conducted fairly in light of the charges and information presented, and in conformity with prescribed procedures. This includes evident bias in the decision of the Hearing Body. However, deviations from designated procedures will not be a basis for sustaining an appeal unless significant prejudice results.

(2) Sanctions Imposed were Improper. The purpose of the appeal will be to determine whether the Sanction(s) imposed were inconsistent or overly severe for the charge(s) for which Responsible was found responsible.

(3) New Information not known at time of Formal Hearing. The purpose of the appeal will be to consider new information, sufficient to alter a recommendation that was not known to the Responsible at the time of the Formal Hearing.

(v) Information to be Reviewed on Appeal. An appeal is limited to a review of the verbatim record of the Formal Hearing and supporting documents unless the basis of appeal is to consider new information.

(vi) Appeals Decision. The Provost or appellate officer determines whether to uphold the determination and sends written notification of such decision to the Representative within five (5) business days of receiving the appeal.

(1) If the result of the appeal is to uphold the determination, the matter is final and binding on all involved.

(2) If the earlier determination is not upheld on appeal, a new Formal Hearing will occur.

(vii) Notice of Appeal Outcome. The Representative provides written notice of the outcome of the appeal within three (3) business days of receiving the decision from the Provost or appellate officer.

(viii) Final Decisions Resulting in University Suspension or Expulsion. Final appellate decisions that result in a University Suspension or Expulsion of the Responsible must include notice of the right to appeal to an external judicial forum.

(10) Disciplinary and Academic Records. The Vice Provost of Student Affairs determines whether disciplinary Sanctions are noted on the Responsible student's permanent academic record and disciplinary record. Upon graduation, the Responsible student may submit a request to the Office of Student ~~Development~~ Affairs to have his/her disciplinary record expunged of disciplinary actions other than Residence Hall Expulsion, University Suspension, University Expulsion, or revocation or withholding of a degree.

(11) Student's Education Record. The records of the Student Conduct Review Process and of the Sanctions imposed, if any, are considered "education records" of both the Responsible and the Reporting party (if Reporting party is a student) pursuant to The Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. § 1232g; 34 CFR Part 99).

(12) Interpretation and Revision.

(a) Any questions of interpretation or application of the Student Code of Conduct are referred to the Provost or designee for final determination.

(b) The Student Code of Conduct is reviewed periodically by a committee that includes student representation under the direction of the Provost or designee.

Authority: FBOG regulations 1.001(4)(a)(10), 6.010, 6.0105

History: New 1.14.14, Amended 7.29.14, Amended 12.6.2017, Amended 5.20.20, Amended _____

AGENDA ITEM: XI.

Florida Polytechnic University
Board of Trustees
June 29, 2021

Subject: Review Performance Based Funding (PBF) Metric 10

Proposed Action

Approve the recommendation to keep Performance Based Funding Metric 10 as it is currently written at this time, and to revisit the metric in one to two years.

Background Information

On May 12, 2021, we received a request from the Board of Governor's Budget and Finance Committee to have the Florida Poly Board of Trustees "evaluate their current Metric 10 and request any changes they deem necessary." This review of the metric and the opportunity for Board of Trustees comment is provided by this item.

The supporting document that follows this page provides a review of the PBF #10 metric at Florida Poly. A short presentation in the June 29 Board meeting will provide the Board of Trustees with the opportunity to comment on the metric and its application and approve the recommendation of University staff.

Supporting Documentation: Executive Summary

Prepared by: Terry Parker, Provost, and Kevin Calkins, Director, Institutional Research

FLORIDA POLYTECHNIC UNIVERSITY

RE:PBF #10 Workforce Experiences – Methodology/Procedure

03.03.2021

PBF 10.BOT Choice Metric: Percent of Bachelor's Graduates with 2+ Workforce Experiences

Background

On December 11, 2019 the University Board of Trustees reviewed the mechanics of performance-based funding and provided several options for consideration. The chosen metric was "percent of undergraduates with workforce experiences." This metric is important to Florida Poly because our STEM graduates are more prepared for the workforce when they are engaged in workforce opportunities prior to graduation. The UBOT choice also included the provision that the students must complete at least two (2) workforce experiences.

Defining the Cohort & the Calculation

The cohort for this calculation consists of all graduates within an academic year (Dec – Aug), which serves as the denominator for calculation. Students in that cohort who complete two (2) or more workforce experiences (as defined below) comprise the numerator. From this equation, we determine the percentage with workforce experiences for purposes of this metric.

Example Using 2018-2019 Cohort

In 2018-19 academic year, graduating undergraduates form the cohort for this metric and serve as the denominator in the calculation of PBF # 10 Workforce Experiences. The University validated the 239 students for this cohort which corresponds to the BOG reported graduates submitted by the University through the Student Instructional File Degrees (SIFD) awarded file. The Office of Institutional Research captured the 2018-19 students name, university ID, and major to use as a match to data sources for the numerator to calculate the percentage for purposes of the metric.

Defining Workforce Experiences

Florida Poly defines the following types of workforce experiences. A student's activities must total two or greater (≥ 2) in order to count toward the numerator in calculating whether Florida Poly meets the metric in a given year.

Item	Experience & Description	Data Sources, Collection, and Validation
1.	Complete a professional experience internship through Florida Poly 0-credit class (IDS-4941; EGN-4941).	CAMS Student Information System-validates course completion.
2.	Student initiated internship with external entity. Students often complete multiple internships outside of required credit. Experiences that are deemed equivalent to that described in item #1 are counted as workforce experiences.	Student self-reported and validated by Career Office or other University Official and submitted to IR for filing. For 2020-2021, graduates' experiences were captured and validated via interview with Career Services Staff. This, or similar, method will continue to be employed as this effort matures.
3.	**Sponsored Internship at Florida Poly for which there is no registration in the course**: • Approved internship sponsored by faculty using extramural funding (student paid by extramural funding) • Internship at Florida Industrial Phosphate Research Institute (FIPR) • Internship at Advanced Mobility Institute (AMI) • Employed by the Office of Educational Outreach and deliver no fewer than 100 hours on developing and delivering materials to external audience or setting up programs for outside audiences.	Approval form is completed by student, intern supervisor, Department Chair or Direct Supervisor, and approved by Provost, or designee. Subsequent verification of completion by internship supervisor required to count for workforce experience. CAMS (SIS) document-tracking maintains record.
4.	**Capstone Project**—Senior capstone is a culminating curricular experience that includes working on an design-project sponsored by an external organization.	Data for course recorded in CAMS (SIS), while verification of external organization is conducted by the Director of Capstone Experiences and Industry Engagement and provided to Institutional Research.
5.	**Non-sponsored Faculty-Directed Research Experience**—students working with faculty on research that is not supported by extra-mural funding are counted toward this metric once appropriate approvals are met.	Same as item 3. Approval form is completed by student, intern supervisor, Department Chair or Direct Supervisor, and approved by Provost, or designee. Subsequent verification of completion by internship supervisor required to count for workforce experience. CAMS (SIS) document-tracking maintains record.

Item	Experience & Description	Data Sources, Collection, and Validation
6.	**Student Innovation Project**—funded proposal to the Student Technology Fee Committee (individual or group) with completed project report constitutes fulfillment of workforce experience for this metric.	Funded proposals are managed by the Office of Sponsored Programs, which confirms award/report and provides results to Institutional Research.
7.	**Workforce Certifications & Professional Development Program(s)**—certain professional certifications count toward workforce experiences for performance-based funding such as the following: • Solid-Works Certification • Lean or Six Sigma Certifications • Scrum Certification • Other Software Licensing Certifications • Hardware or equipment certifications sponsored or endorsed by Academic Departments • Professional Development Programs, documented and verified by VPSA or supporting academic department.	Same as item 2. Student self-reported and validated by Career Office or other University Official and submitted to IR for filing. For 2020-2021, graduates' experiences will be captured and validated via interview with Career Services Staff. This, or similar, method will continue to be employed as this effort matures.
8.	**Entry-level Certificates**—entry-level certificates as defined in Florida Poly curricula may count as workforce prep-experience so long as the student completes the requirements for the certificate. *Current EL Cert: Coding for Data-Analytics, eff. Fall 2021.*	Source is CAMS (SIS). Students completing certificate programs (curricular coursework at a minimum of 12 credits) are counted as having fulfilled an experience toward the metric.
9.	**Baccalaureate Certificates**—certificates earned alongside the degree that support a career-focus (e.g. Health-Systems Engineering; Entrepreneurship, Applied Liberal Studies).	

Calculating the Workforce Experiences

Each student in the cohort must accumulate at least (2) workforce experiences throughout their matriculation in order to be counted in the numerator for calculating PBF #10 for the academic year. As methods mature, those achieving >2 experiences will also be calculated for internal use.

Institutional Research will collect the data sources, using CAMS verified graduating class as the denominator and the starting source list. Existing CAMS data will be gathered first, followed by other external data according to the above sources/protocols and imported to total up the workforce experiences for each graduate. Those with 2 or more will be counted in the numerator for the calculation.

FLORIDA POLYTECHNIC UNIVERSITY

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