Complete / in Construction: \$585M+

Complete \$15M+

Energy Services Performance Contract (ESCO) –
 Steam Line Replacement portion

In Closeout \$115M

- Gampel Pavilion Dome Repair
- Engineering and Science Building
- Koons Hall Renovation
- Babbidge Library: Level 1 and Level 4

in Construction \$455M

- Babbidge Library- Electrical Distribution
- Fine Arts Music and Drama Library Renovation
- Innovation Partnership Building
- Stamford Garage Demo and Site Remediation
- Student Recreation Center
- Gant Renovations Phase 1
- North Eagleville Road Infrastructure, Phase IIIB
- Northwest Science Quad Phase I Utilities
- Central Campus Infrastructure Upgrades
- Kellogg Dairy Center Robotic Milkers
- 28 Professional Park Renovation
- Law School- Hosmer Hall Façade Restoration Ph.II

Gampel Pavilion Dome Repair

- Scope: Gampel Pavilion Dome Repair
 - Roof panel removal and replacement complete
- Budget: \$10M, Approved Final
 - Fennick McCredie Architecture
 - Downes Construction CMr
- Schedule:
 - Construction Complete
 - Occupancy in progress
- Key Issues:
 - Project closeout



View of final ceiling panel installation from the cupola

Engineering and Science

- Scope: 115,000 GSF, 5 floors & penthouse
 - Anticipate LEED Silver
- Budget: \$95M, Approved Rev Final
- Schedule:
 - Construction Complete
 - Occupancy 85% completed and ongoing
- Key Issues:
 - Project closeout
 - Configuration of individual spaces to accommodate specific researcher needs



Koons Hall Renovation

- Renovation of teaching labs, offices, classrooms and dry research laboratories. Provide a new HVAC system for the entire building. Consolidation of Allied Health program.
- Budget: \$5.5M, Approved Final
 - General Contract Project
- Schedule:
 - ° Construction Complete August
 - Sitework (parking lot top coat) completion March 2018
- Key Issues: Closeout



Koons Hall Teaching Lab

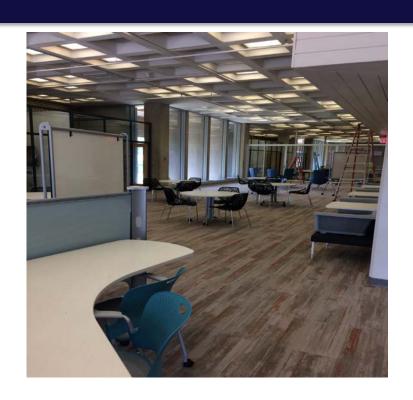
Babbidge Library (multiple projects)

Scope:

- Full Renovation of Level 1 (Group study)
- Partial Renovation of Level 4 (Event Room)
- Comprehensive Renovation in planning
- Budget: \$24M, combined phases
 - Level 1 and 4 combined budget of \$4M
 - Balance of Renovation: \$20M over 3 years

• Schedule:

- Level 1 completed in August 2017
- Level 4 completed October 2017
- Design of balance of renovation started
 December 2017
- Key Issues: One year design period



Babbidge Electrical

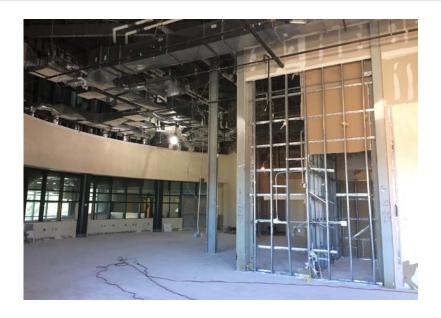
- Scope:
 - Replace existing switchgear and transformers in Babbidge Library
- Budget: \$ 2.583M, Approved Final
 - General Contract Project
- Schedule:
 - Construction Complete August 2018
- <u>Key Issues</u>: project may need an additional \$100,000 due to needed conduit relocations



Transformer and Switch Location

Fine Arts Phase II Music & Drama Library

- Scope: 9,000 GSF renovation
 - Renovation of First and Lower Levels for the Music & Drama Library, and support space on Upper Level
- <u>Budget</u>: \$3.1M, Approved Final
- Schedule: In Construction
 - Construction Start: September 2017
 - Target Construction Completion: April 2018
- <u>Key Issues</u>: Coordination with adjacent projects: Addition, reroofing and exterior replacement



Fine Arts Music & Drama Library: First Floor Demolition

Innovation Partnership Building

- Scope: 114,000 GSF, 3 floors + Penthouse
 - Includes 25,000 SF shelled tenant lab space
 - Additive Manufacturing (AMIC) and Advanced Characterization (ACL) Specialty Labs
- Budget: \$162.3M, Approved Final
 - ° CM GMP project delivery
- Schedule:
 - AMIC completed September 2017
 - Main Entry Floor and Adjacent Tenant Spaces
 Completed September 2017
 - ACL Completed December 2017
 - ACL Tool hookup through Spring 2018
- Key Issues: None





Photo © Magda Biernat, 2017

Innovation Partnership Building



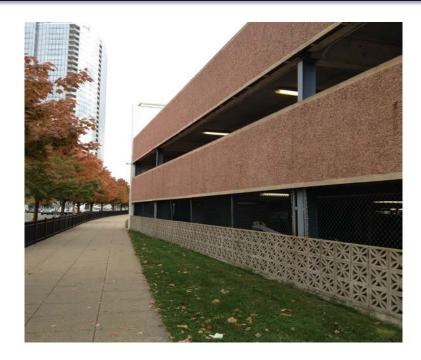


West Elevation – Lab Bars for AMIC (Manufacturing) on the left, and ACL (Characterization) on the right

Entrance Lobby and Sol LeWitt Art Installation

Stamford Garage Demo & Site Remediation

- Demolition of existing three-story garage
- Remediation of environmentally-impacted soils from site and adjacent properties
- Budget: \$13M, Approved Final
- Schedule:
 - Demolition commencing January 2018
 - Target Remediation Completion: Summer 2018
- <u>Key Issues</u>: DEEP/EPA and other governmental agency approvals of site remediation work



View of Stamford Garage Looking South

Student Recreation Center

- Scope: Student Recreation Center
 - Building steel erection and envelope in progress
- Budget: \$100M, Approved Final, PLA
 - Student fee funded
- Schedule: https://youtu.be/FvwM-tKWu2o
 - Construction Start May 2017
 - Complete Construction Summer 2019
- Key Issues: Timing of enabling utility projects



Aerial View from Gampel Looking Southwest

Student Recreation Center



Aerial View Looking East

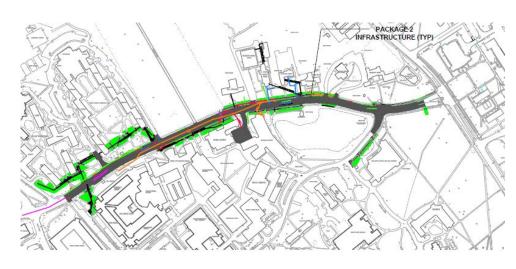


View Looking West

https://today.uconn.edu/2017/11/uconn-sun-rises-concrete-sets/

North Eagleville Road Phase IIIB Utilities

- Replacement of aged Steam and Condensate lines, water lines and electrical ductbanks and sewer force main on the Northwest part of campus
- <u>Budget</u>: \$56M, Approved Rev Final
 - ° CM at Risk, PLA
- Schedule:
 - Project halted for winter and road reopened to 2 way traffic January 2018
 - ° Project to resume in Spring of 2018
- <u>Key Issues</u>: Schedule delay due to significant unforeseen conditions will require construction through Summer 2018



North Eagleville Road Phase IIIB Site Plan

NW Science Quad – Phase 1 Utilities

- <u>Scope</u>: Water, Reclaimed Water, Fire, Chilled Water, Steam, Power, Teledata, Storm, and Sanitary and a cast-in-place utility tunnel
- Budget: \$20M, Approved Final
 - BVH Integrated Services Engineers
 - Whiting Turner Construction CM
- Schedule:
 - Construction Start June 2017
 - Complete Construction early Spring 2018
 - Landscaping Completion Fall 2018
- <u>Key Issues</u>: Coordination w/ Gant Phase 1 Schedule; Phase I (tunnel proper) schedule delay due to necessary repairs to UTEB column adjacent to tunnel construction



Caisson Repair - UTEB Building



Tunnel Construction & Pipework Installation

Central Campus Infrastructure

- Scope: This infrastructure upgrade project in central campus includes:
 - Steam, pumped condensate piping and vault install along Hillside Rd complete
- <u>Budget</u>: \$25M, Approved Rev Final, PLA (partial)
 - Will request Rev Final of \$30M at Feb BOT to address failed steam lines found during construction
- Schedule:
 - Spring 2016 Winter 2019
- Key Issues:
 - Connection to Burton steam lines planned for Spring 2018
 - Jim Calhoun Way Utility work to support the Student Rec facility planned for Summer 2018



Abatement and removal of existing failed utilities

Projects in Design: \$565M+

- Spring Hill Farm ABSL 2 spring 2018 construction
- Wilbur Cross Reading Rooms Renovation in Bidding
- Fine Arts Phase II Production Facility Addition
- Alumni Granite Restoration \$.048M Approved Design, will request Final of \$.645M at Feb BOT
- Alumni Shower Renovations Phase II \$.066M
 Approved Design, will request Final of \$1.43M at Feb BOT
- Gant Building Renovation Phase 2
- STEM Science 1 & Northwest Quad Design
- Stamford Surface Parking
- Main Campus Parking Replacements
- Central Campus Parking
- Fairfield Circle Reconstruction
- South Campus Commons
- Horsebarn Hill Pedestrian Safety Improvements in Design Development

- Northeast Science Quad in Schematic Design
- School of Pharmacy Medicinal Garden in Schematic Design
- Wayfinding Implementation compiling documents for first phase of new campus signage
- Gampel Security Bollards in Schematic Design
- Infrastructure Projects Utility Framework
 - Gampel Chilled Water Loop
 - Southeast Campus Infrastructure Upgrades
 - Southwest Campus Infrastructure Upgrades
 - Central Utility Plant chilled water upgrades
 - Water Pollution Control Facility Upgrades
 - Northwest Quad Science 1 Site Improvements and Tunnel Ph 2 – \$.35M Approved Planning, will request Rev Planning of \$1M at Feb BOT
 - Supplemental Utility Plant as part of NW Science Quad Utility Study

Wilbur Cross Reading Rooms Renovation

- Scope: Renovation of the north and south reading rooms in Wilbur Cross
 - Enhance and expand student study and work space
 - Finishes, lighting, and acoustical upgrades
 - Modernize AV and IT technologies
 - New furniture in both reading rooms
- <u>Budget</u>: \$.029M, Approved Design
 - Will request Final of \$3.2M at Feb BOT to proceed into construction
- Schedule:
 - Design Phase Summer 2017 Winter 2018
 - Construction Spring 2018 Summer 2018
- Key Issues: Furniture lead time



Proposed North Reading Room



Proposed South Reading Room

Fine Arts Phase II Production Facility

- <u>Scope</u>: 30,600 GSF production facility addition
 - Drama, Music and the Nate Katter Theater
 - New entry lobby & connectivity between current buildings
- Budget: \$23.5M, Approved Design (2015)
 - Will request Final of \$33.5M at Feb BOT to proceed into construction. Cost increase due to renovation complexity, utility scope, escalation after delayed project start.
- <u>Schedule</u>: PLA project
 - Design Drawings Complete
 - ° CD Estimates due in January 2018
 - Target Construction Start: Spring 2018
 - Target Construction Completion: Fall 2019
- <u>Key Issues</u>: Coordination with adjacent projects: Music Library, reroofing and flooring replacement



Fine Arts Exterior Rendering looking North

Gant Building Renovation - STEM

- Scope: 285,000 GSF Renovation
 - Teaching labs, faculty offices and support space upgrades
 - Infrastructure and Envelope Upgrades
 - Targeting LEED Gold
- Budget: \$190M, combined phases
- Schedule:
 - Construction Phase 1 Start Winter 2018
 - Design Development Phase 2 Fall 2018
 - Construction Complete Phase 3 Fall 2023
- <u>Key Issues</u>: Delay of construction start due to budget concerns, schedule will change



Temp Wall @ Ground Floor



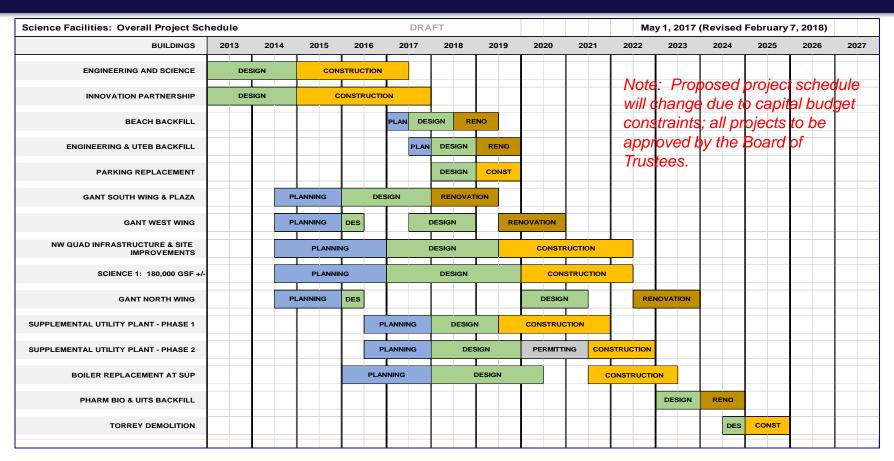
4th Floor Demo in Progress

Gant Building Renovations - STEM

Science Facilities: Project Sche	Project Schedule DRAFT								September 18, 2014 (Revised 2/8/16)																
BUILDINGS	20	13	20	14	2015	20	16	20	17	20	18	20	19	20	20	20	21	20)22	20)23	20	024	20	025
GANT BUILDING COMPLEX																									
GANT SOUTH WING & PLAZA BUILDING				PL	PLANNING		DESIGN		REN	NOVATION		MOVE													I
GANT WEST WING				PL	ANNING	DES			DES	IGN			REI	TAVO	ION	MOVE									T
GANT NORTH WING				PL	ANNING	DES							DES	SIGN			RE	NOVAT	TION	MOVE					
SCIENCE 1: 200,000 GSF +/-					PLANNING		DESIGN				CONSTRUC		TION	ION											
																									Т

Science Facilities: Project Sch			DRA	\FT		September 18, 2014 (Revised 2/7/18)										
BUILDINGS	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025			
GANT BUILDING COMPLEX																
GANT SOUTH WING & PLAZA BUILDING		PLANNING		DESIGN		RENOVATION										
GANT WEST WING		PLANNING		DES		DESIGN	RENOVATION									
GANT NORTH WING		P	LANNING	DES				DESIGN	ı	REI	NOVATION					
SCIENCE 1: 180,000 GSF +/-			PLANNING			DESIGN		CONS	STRUCTION							

Science Facilities- Overall Project Schedule



STEM Science1

- Scope: Science 1
 - 180,000+/- GSF Building program (including Clean Room)
- <u>Budget</u>: \$15M, Approved Rev Planning
 - Project Cost range \$240M
 - Payette Architects
 - CMr Selection Winter 2018
- Schedule:
 - Pre-Design Phase June 2017
 - Design Phase Fall 2017 Summer 2019
 - Construction Start Winter 2020
- <u>Key Issues</u>: Utility enabling projects including new Supplemental Utility Plant and Utilities Infrastructure.



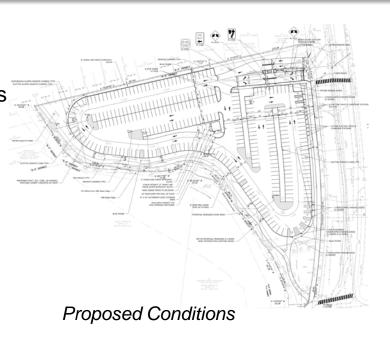
NW Quad Development Site Plan



Conceptual Typical Lab Floor Plan

Stamford Surface Parking

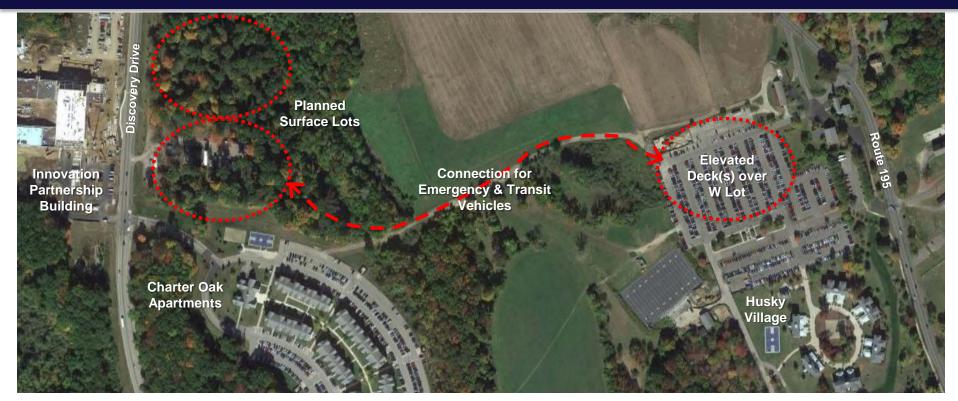
- New 300+ space parking lot constructed upon completion of garage demolition
- Controlled lot access for permit holders and visitors
- Small storage facility for campus operations and maintenance
- Extension of public greenway from Park through site along Mill River
- Budget: \$.5M, Approved Design
 - Will request Final of \$4.5M at Feb BOT to proceed into construction
- Schedule:
 - Design complete April 2018
 - Construction July-November 2018
- <u>Key Issues</u>: Environmental permitting; Coordination with demolition project



Main Campus Parking Replacements

- Anticipated loss of ~1,000 spaces due to planned Science development through 2025
- The *Transportation, Circulation & Parking Appendix* of the *Campus Master Plan 2015-2035* recommended replacement with little to no increase in the overall capacity
- Supported by the Near-Term Capital Improvement Plan for Parking and Transportation (April 2017)
- Cost evaluation of elevated deck parking vs surface lot parking is in progress. Primary
 replacement is new proposed surface lots along Discovery Drive, released as design-bidbuild; possibly accompanied by a new elevated deck over W Lot, released as design-build,
 and possibly a new transit drive between W Lot and Discovery Drive.
- Bridging documents in progress; prequalification of design-build firms completed
- Environmental review and public meeting held December 2017; performing traffic counts and brief study to respond to comments from Town
- Phased construction targeted for mobilization Fall 2018
- Budget: \$.5M Approved Planning, Board of Trustees, June 2017

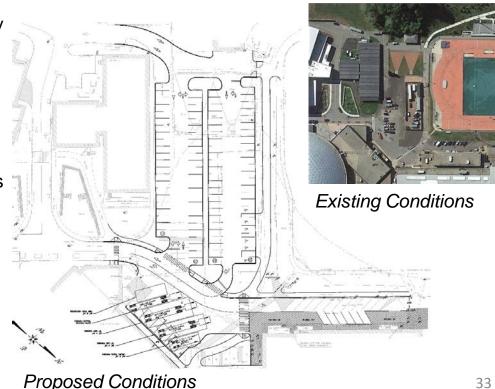
Main Campus Parking Replacements



Concept Diagram

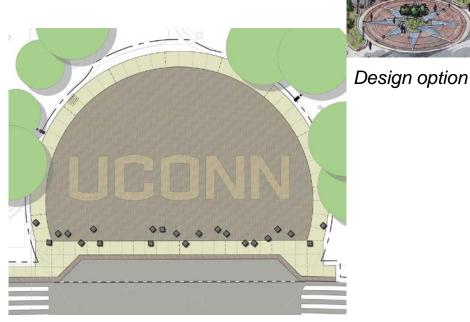
Central Campus Parking

- 90-100 parking spaces between Werth Family UConn Basketball Champions Center and Sherman Field
- Shared use by permit holders during weekdays and Athletics during evening and weekend events
- Relocate shotput, clean-up grounds and improve pedestrian safety for 1,000+ students who traverse area daily
- Budget: \$.8M, Approved Design
 - Will request Final of \$2.25M at Feb BOT to proceed into construction
- Schedule:
 - Design complete February 2018
 - Construction May-August 2018
- Key Issues: Coordination of construction logistics with adjacent projects



Fairfield Circle Reconstruction

- Reconstruct event plaza
- Design open plaza and UCONN wordmark pattern
- Potential Design option modified compass rose
- Improved lighting and universal access
- Budget: \$.9M, Approved Design
 - Will request Final of \$.9M at Feb BOT to proceed into construction
- Schedule:
 - Design complete February 2018
 - Construction May-August 2018
- <u>Key Issues</u>: Limited budget; Construction logistics; Potential road closure during construction





South Campus Commons

- Enabling work for Student Recreation Center (staging)
- Abatement/demolition of 3 vacant buildings
- Temporary improvements for stabilization and pedestrian safety now; passive recreation space to follow
- Budget: \$3.5M, Approved Final
 - Project Cost projected range \$4.4M
- Schedule:
 - Abatement, demolition & stabilization complete
 - Design Spring 2018 Fall 2018
 - Construction Summer Fall 2019
- <u>Key Issues</u>: Coordination, construction logistics, capital budget constraints



View Looking North along Academic Way 2015-2035 Campus Master Plan

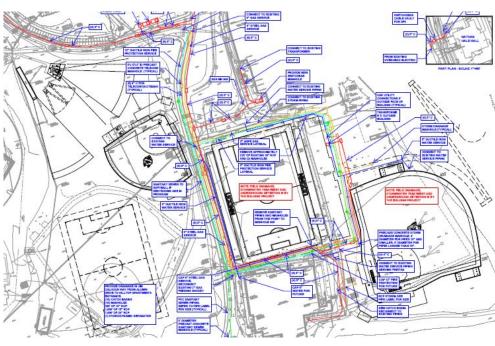
Southwest Campus Infrastructure Upgrades

Scope:

- Enabling work for Athletic Stadia Upgrades
- Replacement, relocation and upgrades to potable and fire protection water distribution systems; storm water drainage; sewers electrical, telecommunications, natural gas and site restoration in order to support the new Stadia Development and generally improve infrastructure systems in the immediate area.
- Budget: \$1.2M, Approved Rev Planning
 - Project Cost range \$20M

• Schedule:

- Feasibility Study and Conceptual plans complete
- Design Spring 2018
- Construction Summer Fall 2018
- <u>Key Issues</u>: Coordination, construction logistics, capital budget constraints



Conceptual Site Plan

Infrastructure Projects – Utility Framework

- Current studies/designs in progress to support the following:
 - Southwest Campus Infrastructure Upgrades design in progress, coordinated with Stadia design.
 Anticipated construction start September 2018.
 - Central Utility Plant chilled water upgrades Design completed, Construction start Winter 2018/2019
 - Water Pollution Control Facility Design completed, Construction start postponed until spring 2019
 - Gampel Chilled Water Loop (Student Rec enabling project) scope revised to include alternates for steam line replacement to Gampel and B&N. Construction start anticipated Spring 2018.
 - Northwest Science Quad development Utility design to begin following site plan completion by the architects
 - Supplemental Utility Plant as part of NW Science Quad Utility Study Architect under contract January 2018. Anticipated design completion mid 2019. CM at Risk – RFP to be issued by end of January 2018.

Projects / Initiatives in Planning: \$40M+

- Beach Hall Backfill planning for lab renovations
- School of Engineering Backfill planning for lab renovations
- Fine Arts Visual Arts Research Center relocation to Kirby Mill
- Science Facilities Planning 2017 2025
 - Greenhouse Replacement coordinating with Gant Renovation/Science 1
- Babbidge Library Master Plan
- Infrastructure Planning Utility Framework

Other Planning Activities

- Administrative Space Assessment completed
- Training and implementation of new Space Management software and business processes ongoing
- Space inventory updates and drawing management system upgrades ongoing
- Drainage Master Plan reviewing draft report received December 2017, meeting with DEEP pending
- Historic District Evaluation & Process inventory/analysis in progress, 95% complete
- Town-University Relations ongoing
- Construction Mitigation Planning & Communication ongoing
- Wayfinding Guidelines coordinating requests for new building identification signs
- Updates to Division I Specifications, Design Guidelines & Performance Standards ongoing
- Deferred Maintenance Improvements ongoing

in Development

- UConn Hotel Request for Expressions of Interest (RFEI)
- UConn Hockey Request for Expressions of Interest (RFEI)

UConn Hotel RFEI

Scope:

- Public solicitation of Expressions of Interest to construct and operate a new Hotel in the range of 70 – 100 beds, plus other development
- Limited Responses in June 2017
- Conducted interviews with hotel developers in November 2017



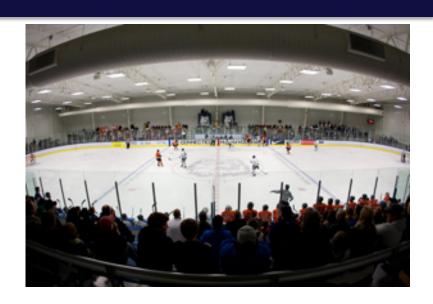
Next Steps:

- University working on economics and viability of development
- University reviewing options: New hotel versus renovation of Nathan Hale Inn

UConn Hockey RFEI

Scope:

- Public solicitation of Expressions of Interest to construct and operate a hockey arena
- Six (6) Responses received in October 2017
- Three responses were "qualifications only"
- Conducted interviews with the three responders who provided full proposals in December 2017



Next Steps:

- University working on economics and viability of development
- Most responders preferred the new arena adjacent to the existing Freitas Ice Forum

Master Plan Documents - 2015

Executive Summary

The overall positioning of the Master Plan in relation to the University's Academic Vision, goals, and priorities. It summarizes the major design ideas, growth strategies, and vision for the future.

Plan Components

1. Campus Master Plan

An outline of University priorities, big ideas, and key areas of focus for the future. The Campus Master Plan is a comprehensive summary of the vision and ideas.

2. District Guidelines

An explanation of how the vision can be implemented at the scale of individual sites and sub-areas. The district-specific principles, guidelines, and illustrative concepts in this volume are intended to provide guidance to designers of individual buildings and landscape projects.

http://masterplan.uconn.edu/documents/

http://paes.uconn.edu

Technical Appendices

A. Sustainability Framework Plan

A plan for operationalizing sustainability at all levels, building towards the University's long-term climate neutrality goals.

B. Landscape Master Plan

A plan for improving and amplifying the University's diverse collection of landscapes and public spaces.

C. Transportation, Circulation, and Parking Plan

Analysis and recommendations related to campus movement and its supporting infrastructure and policies.

D. Utilities Master Plan

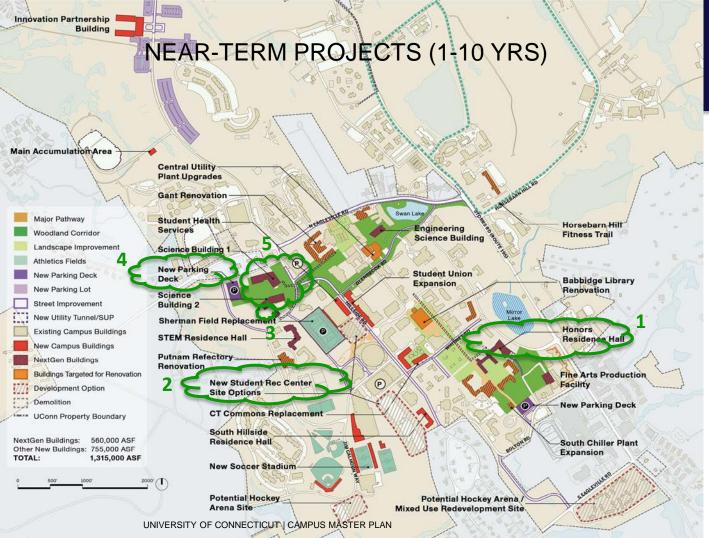
Analysis and recommendations for the full range of campus utility networks, outlining the impact of growth on existing systems and potential upgrades required in the future.

E. Historic Preservation and Adaptive Reuse Plan

A careful look at existing building condition and functionality, including recommendations for historic preservation, renovation, and replacement.

F. Space Needs Analysis

An assessment of existing and projected programmatic needs of the University, for comparison with current space inventory and establishment of planning scenarios.



Cumulative Changes to the Campus Master Plan

- 1 2015 Honors Residence Hall deferred due to uncertainty about enrollment growth and the operating budget
- **2 2015** Student Rec Center located on site of former CT Commons, identified for demo in MP
- **3** 2017 Supplemental Utility Plant footprint increased and location changed to former proposed site of new parking deck
- **4 2017** Parking Deck location changed to W Lot, to allow increased footprint for SUP
- **5 2017** Science 1 and Science 2 locations flipped

FEB 25, 2015 - FINAL Update - December 2017

North Gateway Tech Park Development (Option) Phase II LONGER-TERM PROJECTS (11-20 YRS) **Tech Park** Ag Campus South Research Replacement Wilbur Cross Renovation **Future Residence** Hall Academic Way **Improvements** Major Pathway **Heritage District Improvements** Woodland Corridor Science Quad Engineering Expansion Replacement Landscape Improvement Athletics Fields Future Academic New Parking Deck Buildings New Parking Lot Street Improvement New Utility Tunnel/SUP **Existing Campus Buildings** Athletics **New Campus Buildings** Expansion **Buildings Targeted for Renovation** Development Option **Gampel Payilion** Complete South Concourse Demolition **Woodland Corridor** --- UConn Property Boundary West Campus **Residence Halls Performing Arts** Replacement New Buildings: 1,375,000 ASF Replacement TOTAL: 1,375,000 ASF **Future Residence** Halls (Option) UNIVERSITY OF CONNECTICUT | CAMPUS MASTER PLAN

Cumulative Changes to the Campus Master Plan

No changes to date

Master Plan 2015 – Moving Forward

What's Changed?

- Honors Residence Hall delayed request for funds for construction due to uncertainties about the operating budget, enrollment, and the number of new housing facilities opening around the campus
- Student Recreation Center eliminated the site adjacent to the Field House on Hillside due to complexity of enabling projects; compared pros and cons for 2 sites, Lot Y behind McMahon and CT Commons (site was identified for redevelopment in the Master Plan); determined CT Commons site to be the best due to its accessibility, adjacent scheduled utility projects and its excellent location on Hillside (the CT Commons buildings are in very poor condition)
- Enrollment numerical increase in UG enrollment not yet clear

What's New?

- Student Health Services exploring possible location on Hillside on the east side of the Guyer Gym, as shown in the Master Plan; allows colocation of Medical Services, Counseling and Mental Health Services; and Wellness and Prevention Services
 - Program TBD [+/- 50K 55K GSF]
 - Project funding TBD [\$35M \$45M PC]
 - Project schedule TBD
- Environmental Impact Evaluations –
 EIEs will be done by clustering projects
 together, grouped over time or by location

What's Next?

 Updates – Master Plan should be updated every 5 years, the first update in 2020

Master Plan 2016 – Moving Forward

What's Changed?

 Environmental Impact Evaluations – in 2015 it was thought that EIEs could be done for multiple projects, clustered together, grouped over time or by location. However, the timing of projects has not supported clustering them in EIEs and it is unlikely that the practice will continue.

What's New?

- Infrastructure the Framework Engineers have identified numerous deficiencies in the campus infrastructure. Multiple utility projects are in planning and design, some of which involve buildings and locations not shown in the Master Plan, e.g. the Water Pollution Control Facility.
- Appendix E: Historic Preservation and Adaptive Reuse Plan – the MP Appendix is in the process of being expanded with the University of Connecticut Historic District: Evaluation and Process. This document outlines the evaluation and process for projects in the historic district and may be used for other areas or projects on campus.

What's Next?

 Updates – Master Plan should be officially updated every 5 years, 1st update in 2020

Master Plan 2017 – Moving Forward

What's Changed?

- Supplemental Utility Plant location changed to allow for a larger future footprint, replacing a parking deck shown in the Master Plan in the NW Quad. Project is now beginning Design.
- Parking Deck location changed to W lot near Husky Village. Project now known as Main Campus Parking Replacements and is in Design.
- Science 1 and Science 2 locations flipped to facilitate connectivity to northeast science quad and construction of site improvements and SUP. Science 1 project is in Design.

What's New?

 Capital Budget – the deferral of NextGenCT bond funding has delayed the start of construction on Gant Phase 1, which affects the schedule of all linked science projects.
 This may affect the completion of Near Term Projects within the first 10 years as identified in the Master Plan.

What's Next?

- Tracking continue to track the Master Plan and the Capital Improvement Plan as the capital budget changes.
- Updates Master Plan should be officially updated every 5 years, 1st update in 2020.