



Projects in Planning, Design & Construction

Office of Planning, Architectural and Engineering Services

February 18, 2016

UConn

Completed / in Construction

Project Updates: **\$600M+** currently in Construction

- North Hillside Road (renamed Discovery Drive)
- Young Building Renovation/Addition Envelope Repairs
- North Eagleville Road Infrastructure, Phase II
- Gurleyville Road Pump Station & Sewer Replacement
- Next Generation CT Residence Hall
- Putnam Refectory Renovation
- Hartford Campus Relocation
- Innovation Partnership Building
- Engineering and Science Building
- Monteith Renovation
- Main Accumulation Area (chemical waste transfer facility)
- Gampel Cooling Towers
- Main Water Line Replacement Phase I Completed, Phase II in Construction

Discovery Drive (Formerly N. Hillside Road)

- Scope: Extension of North Hillside Rd from Charter Oak Complex entrance to Route 44
- Budget: \$20.365M, on budget
 - GC Unit Price project delivery
- Schedule: On schedule
 - In Construction – 95% complete
 - Opened to traffic Dec 18, 2015 (landscape in Spring/Summer 2016)
- Key Issues: None at this time



Discovery Drive

Young Building Renovation / Addition - Envelope Repairs

- Scope:
 - Exterior masonry restoration
 - Site work improvements, new granite stairs, and landscaping
 - Membrane roof replacement and selective slate roof replacement
- Budget: \$5M
 - May require additional funding for masonry
- Schedule:
 - Construction started April 2015
 - Original schedule was to complete construction in January 2016
 - Significant unforeseen masonry conditions have delayed completion to Summer 2016



West façade of Young Building, top



Masonry Repairs, right

North Eagleville Road (NER), Phase II

- Scope:
 - Young Quadrangle Utility Replacement
- Budget: \$5.25M
 - Additional funding of \$250,000 required (4.75%)
- Schedule:
 - Start Construction June 2015
 - Complete Construction Final Landscaping Spring 2016
- Key Issues: Multiple utilities in unmarked locations were damaged and required significant repairs



Project Locus



New Steam & Condensate Return Piping



Gurleyville Road Pump Station

- Scope:
 - Upgrade sewer on Rte. 195 from Mansfield Rd to Pump Station
 - Renovate pump station
 - Upgrade to accept additional flow from Res Hall and Downtown Storrs
- Budget: \$5M, on budget
- Schedule:
 - In Construction
 - Complete Construction July 2016



Sewer pipe location along 195 and behind residence halls

Next Generation CT Residence Hall

- Scope: 212,000 GSF, 8 stories above grade
 - 725 beds + staff and director apartments
 - Includes 22,000 GSF Learning & Innovation Center
 - HPBC, anticipate LEED Silver
- Budget: \$105M, on budget
 - Design Build project delivery
- Schedule: On expedited schedule
 - Started construction Nov 2014
 - Complete construction July 2016
- Key Issues: None at this time. Coordinating timing of FF&E installation this Summer.



Views looking West

Next Generation CT Residence Hall



View looking Southeast



View looking West

Putnam Refectory Renovation

- **Scope:** 42,000 GSF renovation, 2 floors
 - Provide additional 330 seats, improve and add servery
 - Anticipate LEED Silver
- **Budget:** \$23M, on budget
 - Awarded in Sept 2015
- **Schedule:** Concurrent with Next Gen Hall
 - Lower level renovation to Spring 2016
 - Dining Hall closes March 11, 2016
 - Completion/Reopening in August 2016
- **Key Issues:** Early closing of dining hall and mitigation of dust between levels



UConn Hartford

- Scope: 180,000 GSF, 5 floors
- Budget: \$140M (All components)
- Schedule:
 - GMP Approved/Executed Nov 2015
 - Demolition, Utilities and Excavation started Fall 2015
 - Foundation Installation starting
 - Complete construction July 2017
- Key Issues:
 - Exposure to weather this Winter
 - Structural sequencing and constraints
 - Hartford Public Library lease in process



Construction on the Hartford Times Building

Innovation Partnership Building

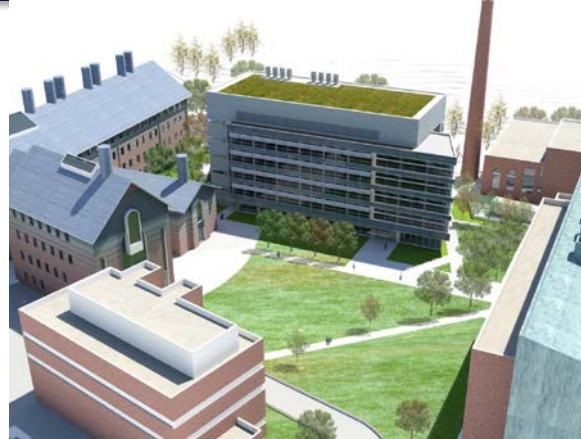
- Scope: 114,000 GSF, 3 floors + Penthouse
 - Includes 25,000 SF shelled tenant lab space
 - Core Additive Manufacturing and Advanced Characterization (Imaging)
 - HPBC, anticipate LEED Silver
- Budget: \$162.3M, on budget
 - CM GMP project delivery
- Schedule:
 - Started construction June 2015
 - Complete construction June 2017
- Key Issues: Accommodating Expansion of Specialty Labs may affect delivery schedule



View looking Northeast

Engineering and Science

- Scope: 115,000 GSF, 5 floors & penthouse
 - HPBC, anticipate LEED Silver
- Budget: \$95M, on budget
 - CM GMP project delivery
- Schedule:
 - In Construction
 - Complete construction Spring 2017
 - 1 month behind schedule, recovery plan in development
- Key Issues: Schedule



Foundation Excavation

Monteith Renovation

- Scope: 73,000 GSF renovation, 4 floors
 - New home for Department of Math, starts to vacate Gant
 - Targeting LEED Silver
- Budget: \$25M, on budget
 - GC Lump Sum project delivery
- Schedule: On schedule
 - In construction
 - Complete construction July 2016
- Key Issues: aggressive schedule



Monteith Renovation



Monteith Lecture Hall



*3rd floor classrooms, above
2nd floor corridor, below*



in Design

Project Updates: **\$360M+** currently in Design

- Fine Arts Phase II Production Addition
- Gant Building Renovation
- Student Recreation Center
- Gampel Pavilion Renovation
- Infrastructure Projects
 - Main Water Line Replacement, Ph II – Contract Signed – Contractor Mobilizing
 - North Eagleville Rd Infrastructure, Ph III – In Bid Construction Start Planned for May 2016
 - Framework for Campus Infrastructure – BVH and CDM Engineers
 - Utility Modeling in process
 - Student Recreation Center – Analysis and design in process
 - Soccer, Baseball & Softball Stadia – Analysis and design – In process
 - Support for ESCO Project – in process
 - Bergin/Depot Campus Utility Analysis – in process

Fine Arts Phase II

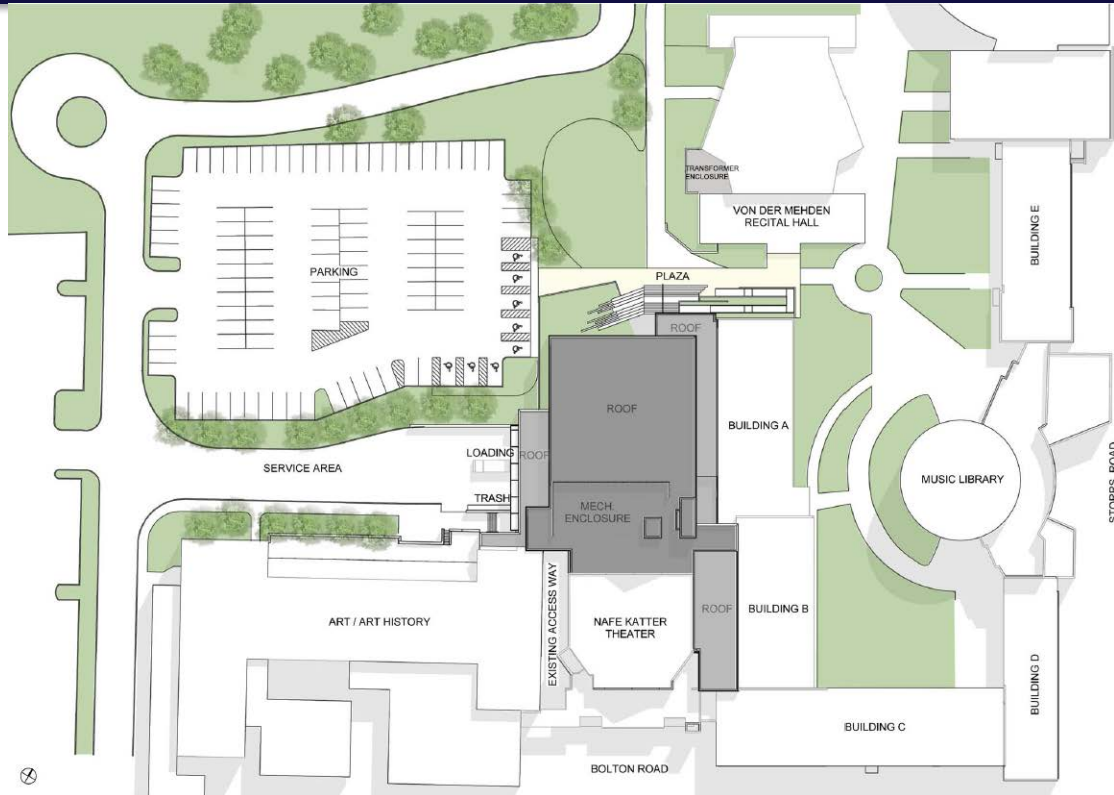
- Scope: 27,600 GSF addition
 - Drama, Music and the Nafe Katter Theater
 - New entry lobby and connectivity between current buildings
- Budget: \$23.5M Design Development phase
- Schedule:
 - Bidding in Spring 2016
 - Start construction Summer 2016
 - Complete construction Fall 2017
- Key Issues: Coordination with adjacent projects: Music Library, reroofing and flooring replacement



Fine Arts Phase II

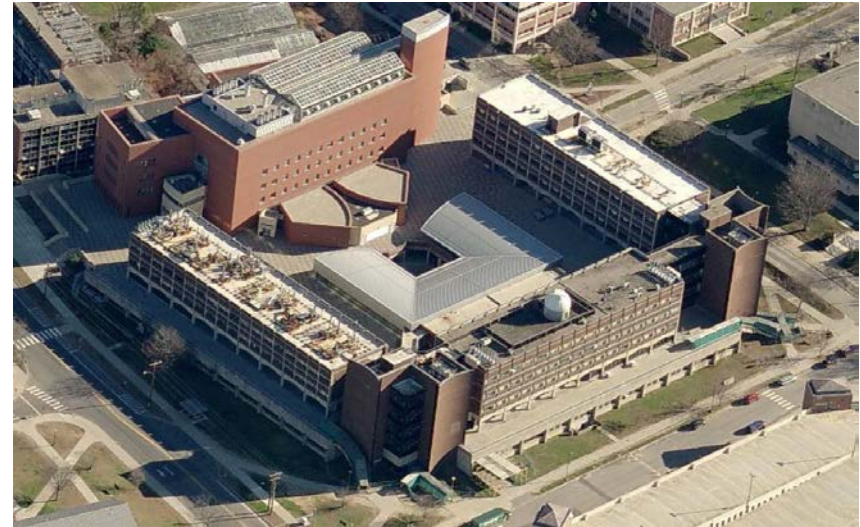


Fine Arts Phase II



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: \$140M – 170M Revised Planning
- Schedule:
 - Schematic Design in Process
 - Start construction Spring 2017
 - Complete construction Summer 2021
- Key Issues: Swing space enabling projects



Gant Building, looking East

Goody Clancy & Mitchell Giurgola Architects
Whiting-Turner Construction Manager

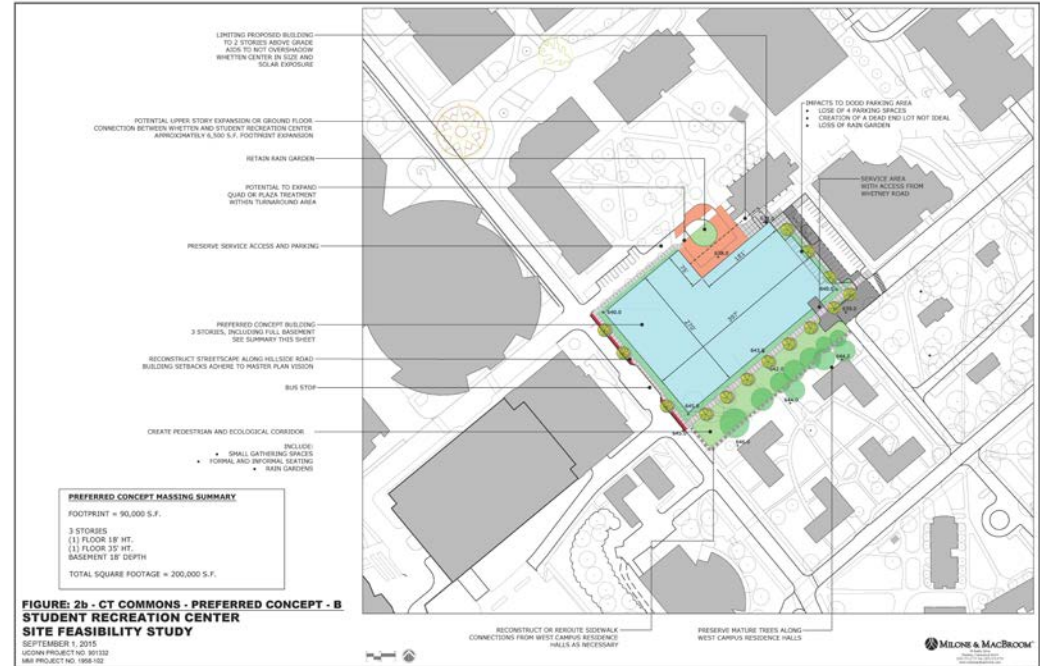
Gant Building Renovations - STEM

Science Facilities: Project Schedule		DRAFT												
		September 18, 2014 (Revised 2/8/16)												
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	MOVE								
GANT WEST WING			PLANNING	DES		DESIGN		RENOVATION	MOVE					
GANT NORTH WING			PLANNING	DES				DESIGN		RENOVATION	MOVE			
SCIENCE 1: 200,000 GSF +/-			PLANNING	DESIGN	CONSTRUCTION									

Gant Building Renovations Project Schedule by Phase

Student Recreation Center

- **Scope:** Student Recreation Center
 - 200,000 GSF building program
- **Budget:** \$100M, Planning phase
 - JCJ/Moody-Nolan Architects
 - Turner Construction - CM
- **Schedule:**
 - Schematic Design in process
 - Bidding Winter 2017
 - Complete Construction Summer 2019
- **Key Issues:** Timing of enabling utility projects & EIE; budget



Student Recreation Center location on Hillside, near Gampel



Design team presenting to students and Recreation Center Staff at a Design Workshop

Gampel Pavilion Dome & Roof Repair

- Scope:
 - Repair the exterior dome roof and partial interior
 - Address code issues
 - Upgrade Infrastructure for network broadcast cabling
- Budget: \$10M Design phase
- Schedule:
 - Construction Documents in process
 - Start Construction Spring 2016
 - Complete Construction Fall 2016



Interior



Exterior

Main Water Line, Phase II

- Scope:
 - Final phase replacement of Main Water line from Willimantic Well Field
 - Connection to future CT Water supply from Tolland
- Budget: \$6M Final Phase
 - Budget reduced following receipt of bids, saved \$3.75M
- Schedule:
 - In construction January 2016
 - Complete Construction Fall 2016



North Campus Site Plan

in Planning

Project Updates: **\$375M+** currently in Planning

- Science Facilities Space Planning – will be complete by March 2016
- Science 1 Building – Architect interviews in early Spring 2016
- Student Health Services – begin programming
- Framework Engineer for Campus Infrastructure
- Infrastructure Projects
 - Northwest Quad – possible supplemental utility plant
 - South Campus
 - Central Campus
- On-going Planning Activities

QA/QC Initiatives

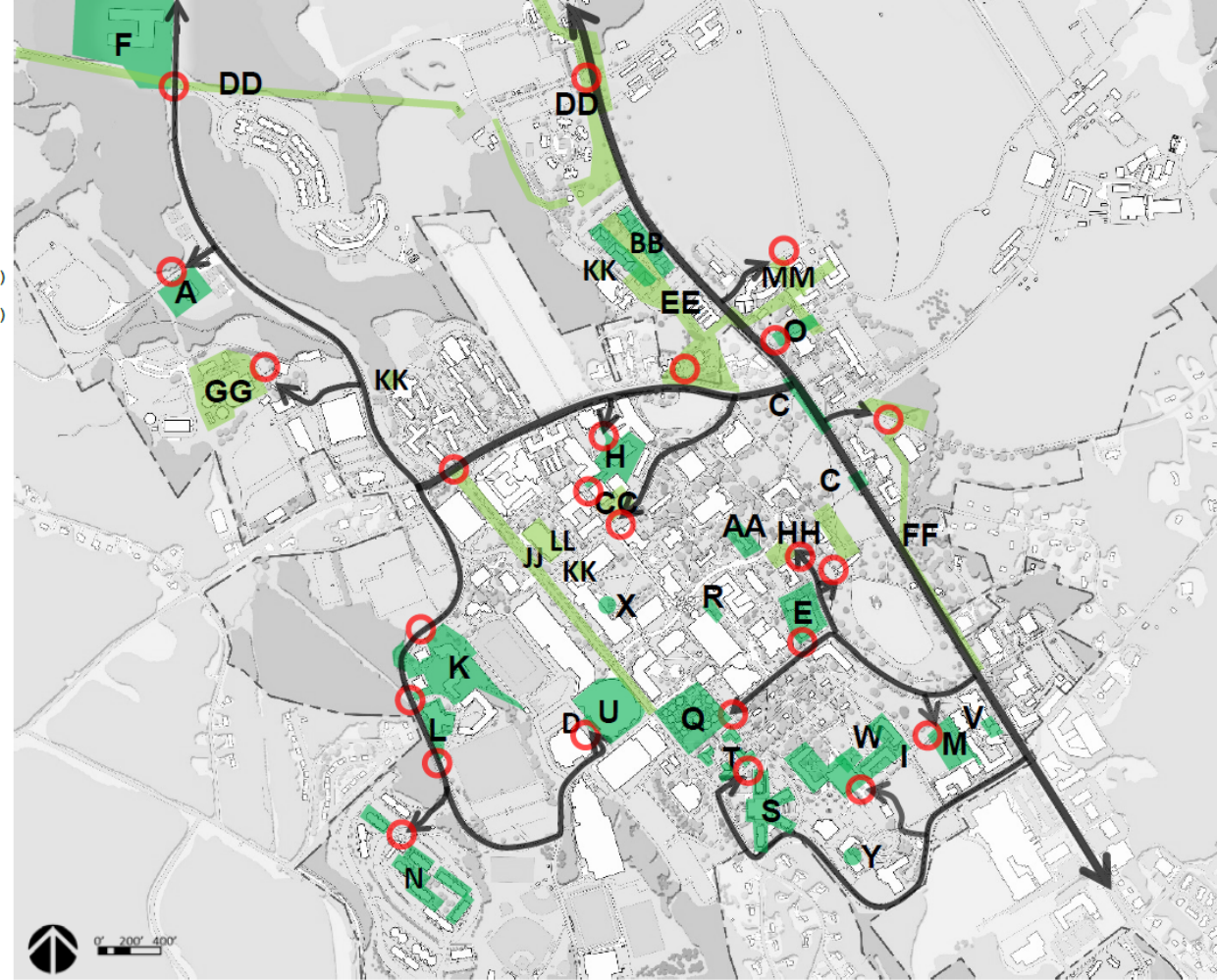
Update the Division 1 Specifications

- A University-provided specification provided to architects and included in contractor bids, which stipulates specific requirements on University construction projects. Last updated in 2005+/-.
- New Division 1 Specifications have been posted as of February 1, 2016 and are being utilized for new projects. PAES staff has been informed of all changes in the documents and information sharing with other departments is in process.

Construction coordination meetings for multiple campus projects

- Meetings to coordinate activities and logistics of multiple projects have started and include design and construction professionals from PAES, Gilbane and various GCs and CMs
- Construction activity maps are updated regularly to record PAES and Fac Ops construction projects on campus by semester and by year
- Summer 2016 construction coordination is in process between PAES, Fac Ops and contractors

LEGEND	
Construction Traffic	
Construction Entrance	
Building & Site Projects	
A Main Accumulation Area (Spring 2016 – Fall 2016)	Utility Projects
C 195 Signals @ Whitney and N. Eagleville (Summer 2016)	BB Emergency Power, NE Quad (Summer 2016–Spring 2017)
D Gampel Cooling Towers / Chiller (Spring 2015 – Summer 2016)	CC CUP Upgrades (Spring 2015 – Spring 2018)
E Monteith Renovation (Fall 2015 – Summer 2016)	DD Water Line Replacement Phase II (Spring 2016 – Fall 2016)
F Innovation Partnership Building (Summer 2015 – Fall 2017)	EE N. Eagleville Rd Infrastructure Repair Ph 3A (Summer 2016 – Summer 2017)
H Engineering Science Building (Spring 2015 – Spring 2017)	FF Sewer Replacement at Storrs Road (Summer 2015 – Summer 2016)
I S Campus Residence Hall Repairs (Spring 2014 – Fall 2016)	GG Water Pollution Control Facility Repair (Spring 2015 – Summer 2020)
K STEM Residence Hall (Fall 2014 – Summer 2016)	HH Historic Campus Steam (Summer 2016)
L Putnam Refectory Renovation (Fall 2015 – Summer 2016)	JJ ESPC Steamline (Summer 2016 – Fall 2016)
M Fine Arts Production Facility (Summer 2016 – Fall 2017)	KK Dining Hall FOG (Summer 2016)
N Hilltop Apartment Repairs (Summer 2015)	LL Jorgenson HVAC (Summer 2016)
O Ratcliffe Hicks Retaining Wall (Spring 2016)	MM Emergency Power, NE Quad (Summer 2016–Spring 2017)
Q CT Commons Demolition (Summer 2016 - Fall 2016)	
R Babbidge Electrical Service (Summer 2016 – Fall 2016)	
S Alumni Dorm Facade (Summer 2016)	
T West Campus Bathroom Renovations (Summer 2016)	
U Gampel Roof Repair (Summer 2016 – Fall 2016)	
V Fine Arts Dean's Renovation (Fall 2015 – Fall 2016)	
W South Campus Steps (Summer 2016)	
X Student Union East Façade (Summer 2016)	
Y Phillips HVAC Repair (Spring 2016 – Summer 2016)	
AA Koons Hall Roof (Summer 2016)	
BB Towers Code Improvements (Summer 2016)	



Science Facilities Space Planning

Current Status:

- Evaluation of Current Space Needs – complete
- Formulation of Gant Renovation Strategy – complete
- Forecast of Future Space Requirements – complete
- Development of an Implementation Strategy that Includes Both Renovation and New Construction - in process

The Science Space Planning will be complete in March 2016 to start the design process for the Science 1 Building in the NW Quad

On-Going Planning

- Capital Projects Planning Support
- Library Facilities Master Plan
- Depot Campus Redevelopment Planning
- Space Inventory Data Collection and Updates
- Relocation Planning and Coordination in Support of Capital Projects
- Site Assessment of NW Science District (Science I)
- Wayfinding Assessment, Recommendations and Implementation Plan
- Pharmacy Quad Programming
- South Campus Commons Programming

QUESTIONS/COMMENTS?

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