



Eastern Wake Site Project Outreach

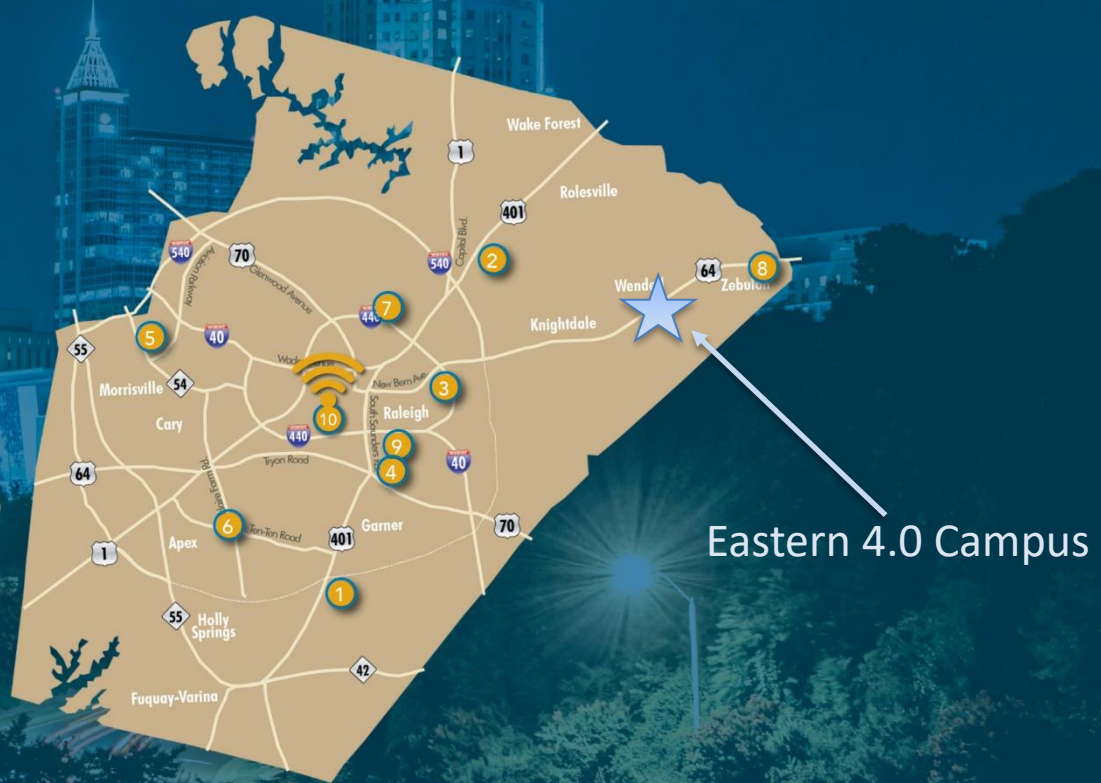
Wake Tech in Wendell Achieving Equality



Wake Tech
changes lives
every day.



10 Locations



1 Southern Wake Campus
9101 Fayetteville Road, Raleigh 27603

2 Scott Northern Wake Campus
6600 Louisburg Road, Raleigh 27616

3 Perry Health Sciences Campus
2901 Holston Lane, Raleigh 27610

4 Public Safety Education Campus
321 Chapanoke Road, Raleigh 27603

5 RTP Campus
10908 Chapel Hill Road, Morrisville 27560

6 Western Wake Campus
3434 Kildaire Farm Road, Cary 27518

7 Beltline Education Center
3200 Bush Street, Raleigh 27609

8 Eastern Wake Education Center
519 Industrial Drive, Zebulon 27597

9 Vernon Malone College
& Career Academy
2200 S. Wilmington Street, Raleigh 27603

10 WAKE TECH
ONLINE 

The need for
higher
education
opportunities
in lower
economic
areas



60% of Wendell Residents have
obtained no type of degree.



6% of the community with
less than a 9th grade education.



Due to travel constraints, Wake Tech
campuses are not readily accessible.

EAST WAKE 4.0 CAMPUS - SITE PLAN

- A** Public Safety 4.0
- B** Driver Training
- C** UAS Pavilion
- D** Central Utility Plant
- E** Student Services / General Education
- F** Technology 4.0
- G** Greenhouses
- H** Cell Towers
- I** Fire & Rescue Training
- J** Diving Pond
- K** WFCE
- L** STEM
- M** Parking Garage / Retail
- N** Innovation Pavilion
- O** Business/IT
- P** General Education
- Q** Residential / Retail
- R** Digital Sign



EAST WAKE 4.0 CAMPUS



EAST WAKE 4.0 CAMPUS



**You are Wake Tech's partners in our
everyday mission of providing equitable
access where none existed before.**





Central Energy Plant



WTCC – EWS – CEP and Infrastructure Project

Design Build Team

Contractor: Skanska USA Building Inc.

Architect: HH Architecture

Structural Engineer: Lynch Mykins

MEP Engineer: Stanford White / Sales O'Brien

Site & Civil Engineer: SEPI Inc.

Landscape Architect: Surface 678



SKANSKA HH ARCHITECTURE

The scope of this project consists of the following elements

- Clear and grade the greenfield site
- Installation of new site infrastructure, including water, sanitary, storm, power and data, gas, HHW/CHW, and a geothermal well field.
- Installation of new site roadways, and roadway improvements to Wendell Blvd, Eagle Rock Rd., and Rolesville Rd.
- Installation of a new 15,700 SF central energy plant, that will service the entire campus. This new building will include mechanical equipment, emergency generators, auxiliary electrical associated with rooftop photovoltaic panels, workshop space, and building electrical and mechanical systems. An administrative area houses office, break room and conference space for facilities staff. The administrative portion of the building also includes a medium-density fiber room and a lab for students learning about building systems.



Project Schedule

Bidding: Completed 10/01/2021

Mobilization: Completed 09/02/2021

Complete Grading for the PSSC Building Pad: 12/31/2021

Complete Grading for the Gen. Ed. Building Pad: 05/31/2022

Central Energy Plant and Infrastructure Complete: 12/21/2022

Scopes of Work and Subcontractors

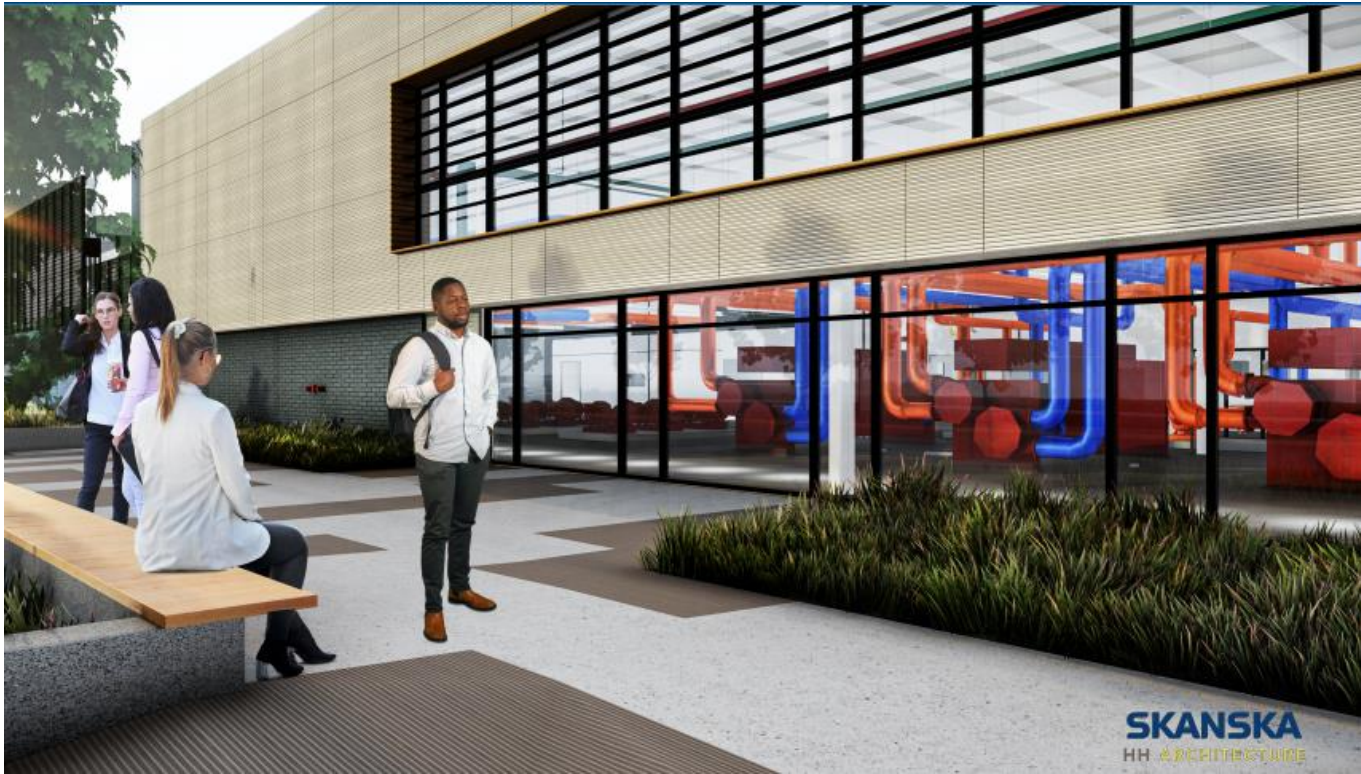
BP 01A: General Trades – CB&H Contracting
BP 01B: Temporary Fence – Frye Fence
BP 01F: Final Cleaning – CB&H Contracting
BP 03A: Building Concrete – IQ Contracting
BP 04A: Masonry - TBD
BP 05A: Structural Steel – North State Steel
BP 05B: Misc. Metals – Smith Architectural
BP 06B: Casework – Blankenship
BP 07A: Roofing - Hamlin
BP 07B: Waterproofing – Waterproofing Specialties
BP 07F: Metal Panels – Advanced Exterior Systems
BP 08A: Doors, Frames, Hardware – Martin Architectural
BP 08D: Curtainwall, Storefront, Glazing – A-1 Glass and Glazing
BP 08F: Overhead Doors – Custom Overhead Doors
BP 09A: Drywall Assemblies – AmTech Construction
BP 09C: Flooring - TBD

Scopes of Work and Subcontractors

BP 09E: Acoustical Ceilings – Acousti Engineering
BP 09G: Painting – United Painting Services
BP 10A: Specialties – Triangle Cleaning Services
BP 10D: Signage – AOA Signs
BP 12A: Window Coverings – CWT Group
BP 21A: Fire Suppression – Allied Fire Protection
BP 22A: Plumbing – Gallo Mechanical
BP 23A: Mechanical – Gallo Mechanical
BP 26A: Electrical – D.W. Evans
BP 31D: Unit Pavers – Fred Adams
BP 31E: Site Concrete - Brightview
BP 32A: Ideal Landscaping
BP 32B: Site Furnishings – Triangle Cleaning Services
BP 33B: Underground Mechanical Piping - MIS
BP 33C: Geothermal Wells – Yadkin / Chesapeake
BP 33D: Sitework, Site Utilities, Paving – Fred Smith Company









SKANSKA
ARCHITECTURE


WAKE TECH
COMMUNITY COLLEGE









Public Safety Simulation Complex

PUBLIC SAFETY SIMULATION COMPLEX



PROJECT TEAM

Wake Tech - Owner

- Daniel Edwards – WTCC Project Manager

Design Team

- Boomerang Design- Lead Architect
- Leo A Daly
- CLH Design – Civil/Landscape
- Lynch Mykins – Structural
- McKim & Creed – MEPF

Balfour Beatty Construction in association with YES – Construction Manager

- John Katschowsky – Senior Preconstruction Manager
- Zach Hall – Project Executive
- Laura Smith – Senior Project Manager
- Shubham Parakh – Project Engineer
- Marcus Amerson
- Antwane Yelverton

SCOPE OF WORK

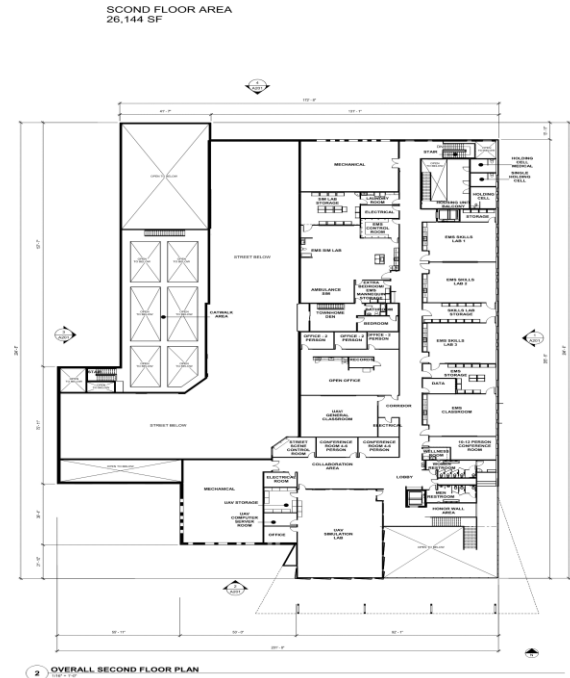
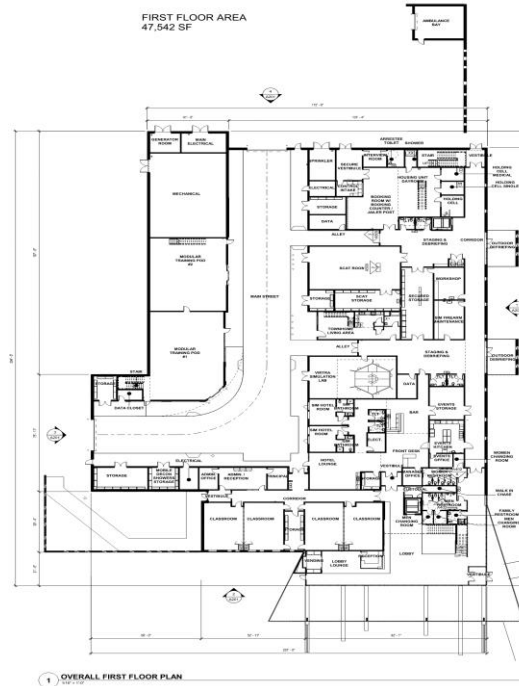
77,000SF 4D Safety Simulation Facility to provide training for the college as well as state and local safety agencies

Phase 1 - Early Package

Early Package include bid packages like Building Concrete, Elevators, Site Electrical, Early Sitework, Site Fencing, Site Underground Mechanical Piping & Structural Steel

Phase 2 - Remaining Final Packages

Final Package include bid packages like Masonry, Millwork, Caulking, Metal Panels, Roofing, Fireproofing, Doors, Overhead Doors, Curtainwall & Storefronts, Detention Equipment, Flooring, Ceilings, Painting, Specialties, Signage, Tactical Moveable Wall Systems, Blinds, Floor Mats, Shooting Range Simulators, Mechanical, Electrical, Plumbing, Fire Protection, Tele data, AV, Site Concrete and Landscaping



PROJECT TIMELINE

- Phase 1 – Early Package Prequalification Due by – [November 24, 2021](#)
- Phase 1 – Early Package Bid – [December 2021](#)
- Phase 1 – Early Package Construction Start – [Feb 2022](#)
- Phase 2 – Final Package Prequalification Due by – [Jan 21, 2022](#)
- Phase 2 – Final Package Bid – [February 2022](#)
- Phase 2 – Final Package Construction Start – [May 2022](#)
- Project Completion – [August 2023](#)

For instructions on submitting pre-qualifications and obtaining forms, email:
Shubham Parakh at sparakh@balfourbeattyus.com





General Education Building 1
& Student Services

General Education Building



Key Building Features

- Structure: Structural steel and slab on metal deck
- Site: Brick pavers, concrete walks, seat walls, and exterior furnishings
- Exteriors: curtain wall, brick veneer, and metal wall panels
- Interiors: metal framing and drywall, interior storefront glazing, Millwork, and acoustical ceilings
- Specialty: lab casework and equipment and Rooftop PV solar array

General Education Building



General Education Building



Monteith Project Team and Contact



Drew Hardin, *Project Executive*
dhardin@monteithco.com



Mike Doyle, *Site and Skin Precon Manager*
mdoyle@monteithco.com



Andrew Yocum, *PME Precon Manager*
ayocum@monteithco.com



Brad Spell, *Finishes Precon Manager*
bspell@monteithco.com



Michael Thompson, *Supplier Precon Manager*
mthompson@monteithco.com



Sam Pierce, *HUB Coordinator*
spierce@monteithco.com

Project Goals



25% HUB Participation

- 20% first tier
- 5% second and third tier

90% post project satisfaction survey responses

HUB Program



- Prequalification coaching event**
- Weekly schedule updates**
- Quick payment terms**
- Mentor / Protégé opportunities**
- Ongoing two-way project feedback**

Anticipated Preconstruction and Project Schedule



Foundation and Structure Packages

December 27, 2021: Trade Partner Prequalification

February 14, 2022: Advertise for bid

March 7, 2022: Bid due date

April 15, 2022: Issue subcontracts

Building Packages

February 28, 2022: Trade Partner Prequalification

April 18, 2022: Advertise for bid

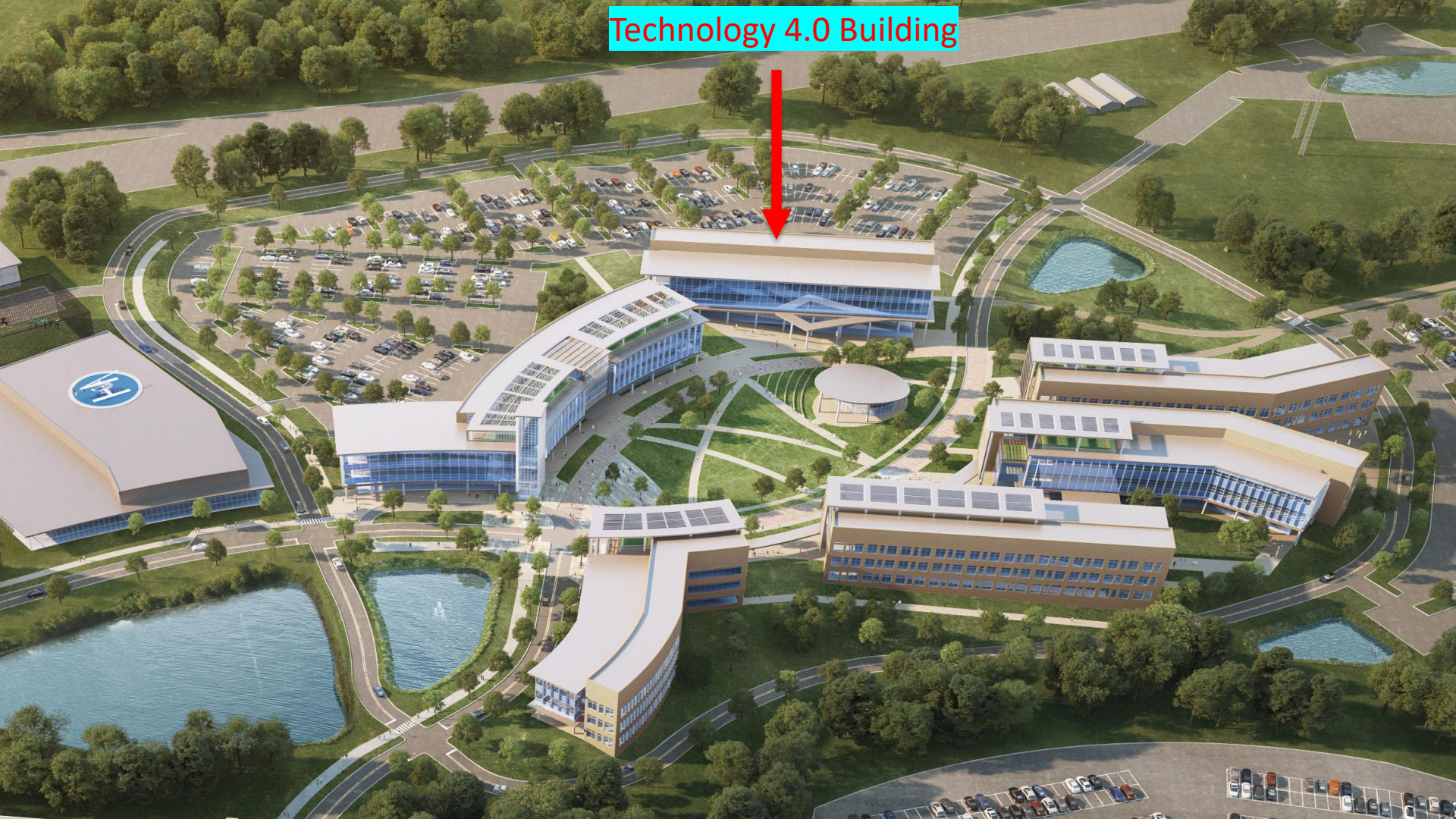
May 9, 2022: Bid due date

June 23, 2022: Issue subcontracts



Technology 4.0

Technology 4.0 Building



Technology 4.0 Building

Project Team

- Project Manager – Vann Starr
- Designer – Anticipated Designer selection November 2021
- Contractor – Anticipated January 2022

Scope

- This project consists of designing and building a three-story, 80,000 GSF Technology 4.0 Building. The building will include flexible teaching labs, high-bay training spaces, maker spaces, technology labs, computer labs and general classrooms supporting programs in Mechanical Engineering; Geomatics; Advanced Electronics; Mechatronics; Robotics/Automation; Biopharmaceuticals; Bio-Agriculture; Tower Erection & Repair; and Unmanned Aircraft Operations & Repair. The facility and its systems will serve as a teaching tool, integrating technologies that students can manipulate and learn from.

Schedule

- Design - Anticipated Duration Fall 2021 – Fall 2022
- Construction – Anticipated Duration Fall 2022 – Spring 2024



HUB Participation

Thank You For Attending!

