

# The Next Phase of the Catherine and Isiah Leggett Math and Science Building

**Takoma Park / Silver Spring Campus**

November 17, 2020

# Welcome Remarks

**Mr. Michael Akin**

President

LINK Strategic Partners

**Dr. Brad Stewart**

Vice President and Provost, Takoma Park / Silver Spring Campus

Montgomery College

# Meeting Agenda

## 1. Current Construction Project Status

- COVID-19 Operating Procedures
- Permit Status
- Upcoming Activities

## 2. Noise Management

# Barton Malow COVID-19 Operational Procedures

Barton Malow is committed to maintaining a healthy working atmosphere on site and will stay flexible to rapidly evolving guidelines.

## **Barton Malow Plan follows CDC & Local Guidelines**

- Prior to working on site, all workers are required to complete a self-assessment including the following:
  - Complete a questionnaire consistent with CDC & Local guidelines

## **Social Distancing Measures**

- 6' separation at daily foreman meetings
- Smaller group safety orientation meetings held more often than usual
- All work surfaces (i.e.: tables, chairs) cleaned following the meeting
- Cleaning of portable toilets increase to 2x week – on site staff provided with bleach and cleaners
- Face-to-Face meetings held to a minimum – video meetings encouraged
- Workers to maintain 6' separation when working. Masks to be worn at all times.
- No congregation for lunch (i.e. no lunch room)
- Should a worker report illness after leaving site, a site investigation will be completed
  - Current Guidelines:
    - A worker with a positive result will not be able to return to the site until a negative test result is received.
    - Contact tracing investigation completed – workers identified that require testing and possible quarantine

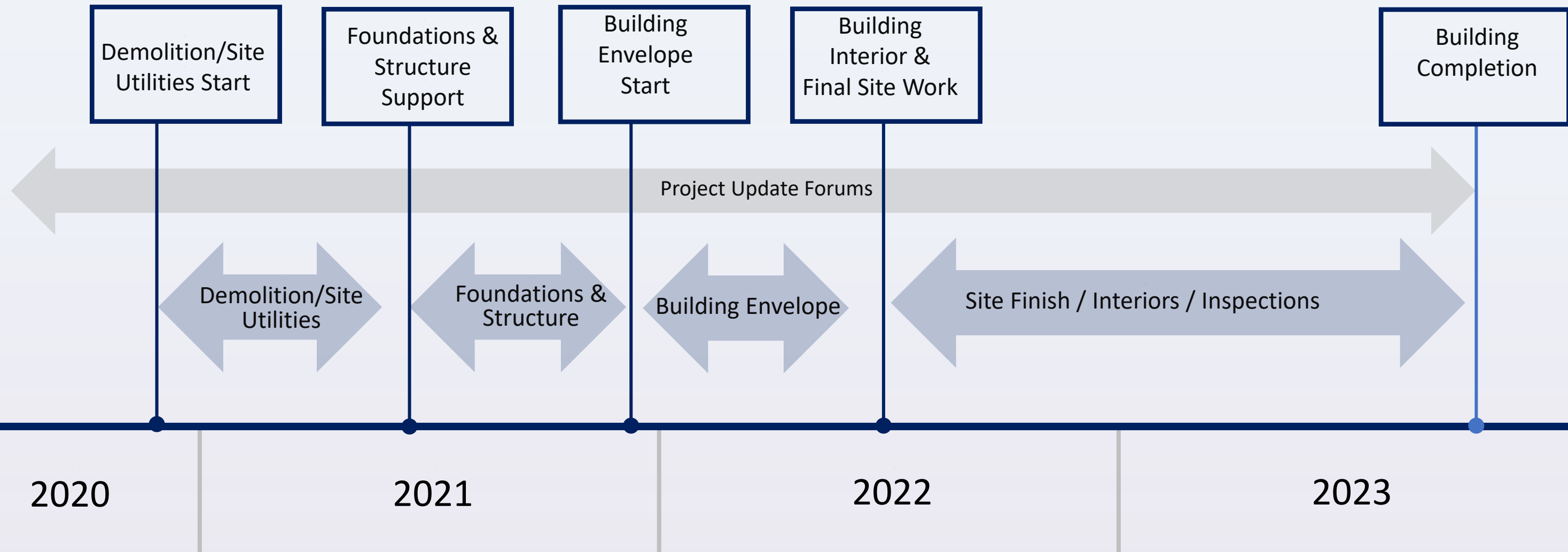
# Permit Status

Montgomery College Posts All Permits: [montgomerycollege.edu/tpss-design](https://montgomerycollege.edu/tpss-design)

PERMIT	ISSUING AGENCY	STATUS	Notes
Tree Protection Permit	Takoma Park	Issued, 9/1/20	
Tree Removal Permit	Takoma Park	Issued, 10/15/20	Tree removal permit issued after approval of tree protection permit.
Sediment & Erosion Control Permit	Montgomery County	Issued, 2/28/20	
Site Utility Permit	WSSC	Pending	Final cut and cap of water lines required for permit issuance.
Demolition Permit	Montgomery County	Pending	Final Cut and Cap of Water lines required. Pending Sediment & Erosion Control Approval.
Stormwater Management Plan	Takoma Park	Issued, 10/8/20	
Driveway Permit	Takoma Park	Issued, 10/19/20	

# Construction Overview Timeline

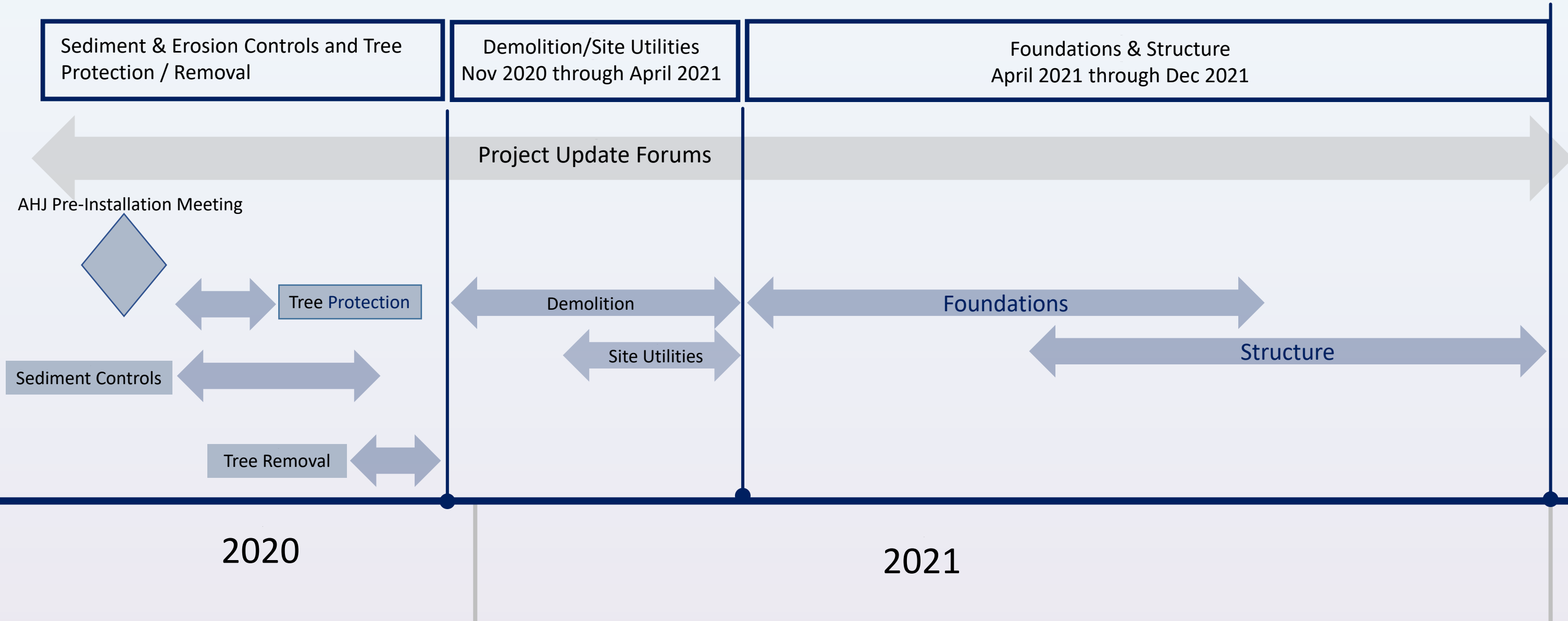
Looking Ahead



# Completed Activities Required for Construction to Start

- ✓ **Abatement Complete**
- ✓ **Pepco Transformer and Wire Removal**
- ✓ **Tree Removal Permit Issued 10/15/20**
- ✓ **County Precon Meeting Occurred 10/22/20**
  - Engineer - AMT (ESC and Tree Protection Reps) Mike
  - Owner - Montgomery College Thomas-Kaonohi
  - Contractor - Barton Malow
  - Contractor's Arborist
  - Contractor's ESC/ Tree Protection Installer - Eastern Branch
  - County Erosion & Sediment Control Inspector
  - Takoma Park Construction Manager
  - Maryland National Capital Parks Planning Commission (MNCPPC)

# Construction Look Ahead





# General Work Sequence

- ✓ 1. Install Sediment Erosion Controls & Tree Protection
- ✓ 2. Approval by Inspectors
4. Check all Utilities Are Disconnected
5. Install temp Power and Lights.
6. Utility Installation Commences
7. Demolition Commences
8. Demolition Nearing Completion
9. Install New Trailers along with Wood Fence









# Building Demolition & Utility Guidelines

- BMC on Site Staff: 3 – 6 People
- Demolition & Utility Vendor
  - Staff: 8 – 20 people
  - Equipment: front end loader, dump trucks, backhoe, sweeper, hoses with mist attachment, fuel truck, maintenance vehicles
- No Parking on Site
- No Parking in Neighborhood (zero tolerance policy)
- Typical Working hours 7 AM – 5:00PM (Monday – Friday)
- No Traffic on Takoma Avenue

# Site Logistics for Building Demolition

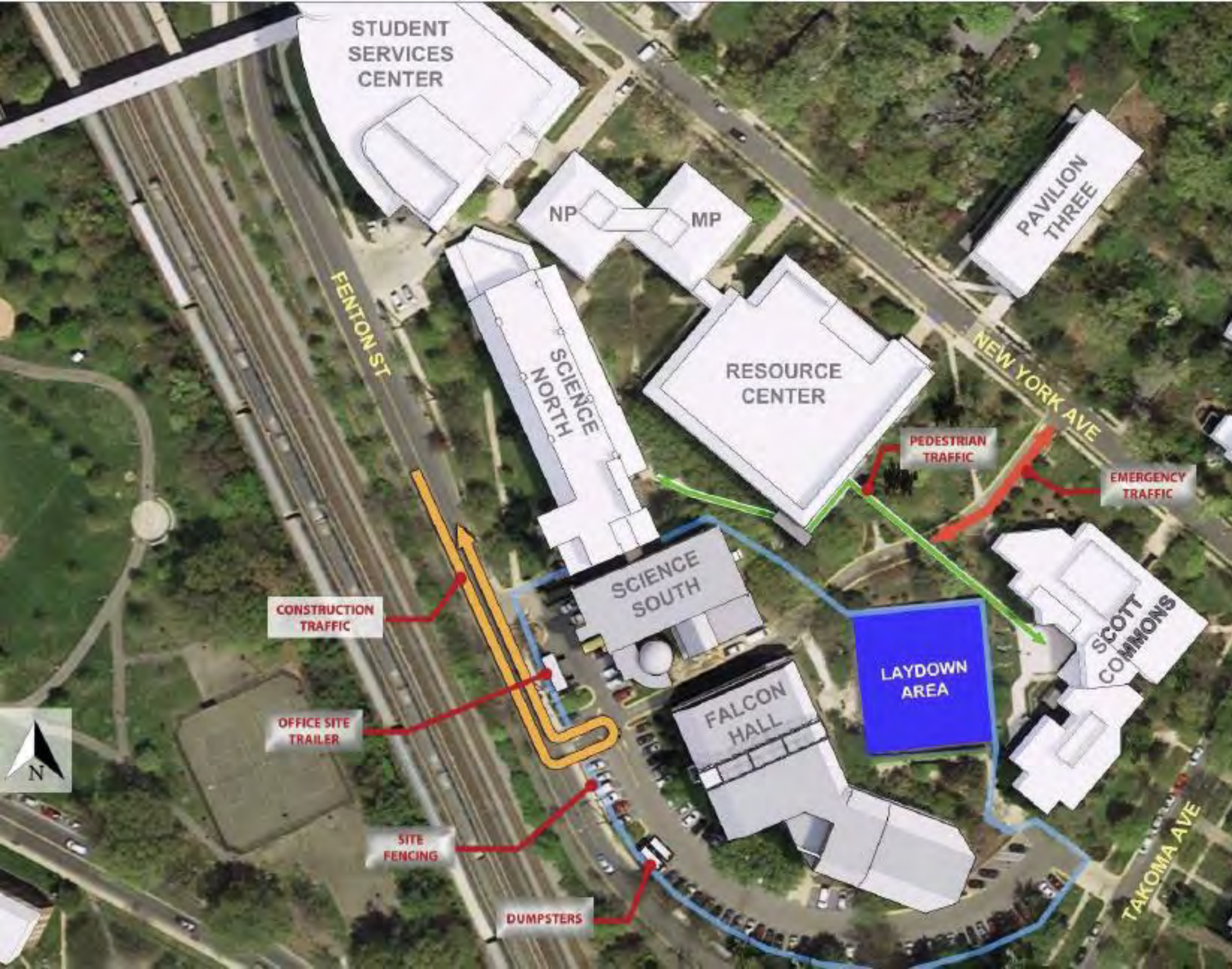
# Site Logistics



## Key

- Construction Traffic Route
- Temporary Chain Link Fence
- Pedestrian Walkways
- Fire Department / Emergency Vehicle Route





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# Noise Management

# Noise Management

Since the beginning of this project, noise has always been a top priority for the College and the community. Today, we plan to discuss the following topics of noise management:

- Noise Feedback Themes
- Past Noise Considerations
- Noise Mitigation Plan
- Additional Measures to Reduce Noise
- Communications and Enforcement Protocols



# Noise Feedback Themes

Throughout the Design Charrettes, Project Update Forums, and neighborhood communications, we have heard the following themes of noise-related feedback:

- Site Design
- Equipment
- Timing/Project Hours of Operation
- Notification of High Noise Activities
- Enforcement of Protocols

# Noise Considerations

- In 2019, in coordination with city officials, we developed the Leggett Building Construction Considerations
  - Equipment Considerations
  - Notification for High Noise Activities
  - Efforts to Organize the Site to Limit Noise when Possible
  - Minimize Vehicle Idling when Possible
  - Notify in Advance for Any Need to Work on Saturdays and Follow All Noise Ordinances
- The Complete List of These Considerations can be Found on the Project website resources  
([montgomerycollege.edu/tpss-math-science-building/resources](http://montgomerycollege.edu/tpss-math-science-building/resources)) under the Letters section, titled: Leggett Building Construction Considerations

# Noise Management

At the 5/26/20 Project Forum meeting we introduced the Noise Mitigation Plan

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## Noise Mitigation Plan

Plan Provides Evidence of Steps Being Taken to Minimize Noise

PROCESS:

- Application to Montgomery County Department of the Environment
- Put Measures into Action
  - Slamming on tailgate is prohibited – Orientation, Pre Task Planning, Observation
  - Site logistics arranged to limit back up beeping alarm – Orientation, Planning, Observation
  - Maximize use of electrical equipment to reduce noise – Orientation, Planning
  - Saw Cut concrete / asphalt to minimize the use of jackhammering – Pre Task Planning
  - Eliminate unnecessary equipment idling - Pre Task Planning, Observation
  - Equipment Maintenance checks daily - Pre Task Planning , Observation
    - Equipment placed out of Service until replaced or repaired

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 SMITHGROUP LINK STRATEGIC PARTNERS Barton Malow

# Noise Suppression Plan

City of Takoma Park and Montgomery County encourage/allow Noise Suppressions Plans for construction projects in residential neighbors.

What Is a Suppression Plan ?

- Written Plan detailing methods for managing noise during construction

These Plans Provide the Following Benefits:

- Proactive
- Transparent
- Formalizes Approach

# Noise Suppression Plan

Barton Malow created a Noise Suppression Plan that includes:







- **Limit need for back-up alarms with traffic pattern control:** In an effort to reduce the frequency of construction vehicle back-up alarms, site logistics have been configured to maximize forward movement and decrease preventable reverse driving.
- **Reduced onsite vehicle noise:** The slamming of vehicle tailgates is prohibited. All contractor truck drivers will be notified prior to the commencement of work, and it will be strictly enforced by Barton Malow's onsite foremen and/or superintendent.
- **Idling prohibited:** All contractors will be notified that unnecessary idling of construction vehicles and/or equipment is prohibited. On-site foreman and superintendents will ensure that operators are only running machines when they are in use or for proper startup procedures.
- **Maintenance checks:** Contractors will perform maintenance checks daily, as required by our safety plan, on all vehicles to make sure all parts are in good condition and properly lubricated, to reduce noise associated with improper equipment condition.
- **Power sources:** Contractors will seek to maximize the use of utility electrical connections.
- **Equipment selection:** Contractors will utilize saw cutting, which generates less noise, as much as possible and minimize the use of jack hammers .









# Noise Suppression Plan Process

- Meet with City of Takoma Park and County to Review Process
- Submit Plan to County
  - County Co-Ordinates Review with City of Takoma Park
- Montgomery County Issues a Letter for Distribution to Neighboring Properties
- Montgomery County Posts Plan on their Website
- 2-Week Community Comment Period
- City of Takoma Park & Montgomery County Provide Determinations

# Common Construction Noise Making Activities

ACTIVITY	METHODS	
Demolition - Building	Wrecking Ball – Explosives	
	Mechanical Deconstructing	
Demolition – Pavement / Hard Surfaces	Jackhammering – Minimize	
	Saw Cutting Preferred Method	
Back Up Alarms	Logistics to Minimize Back-Up Alarms	
Removal of Hard Rock	Explosives / Hoe Ramming (Hammering)	

# Common Construction Noise Making Activities

ACTIVITY	METHODS
Steel Erection	Comply with Operating Hours 
Pile Driving / Deep Foundation Install	Drill Supports into Place 
	Hammering of Supports 
	Deep Foundations not Designed for this Project 
Equipment Operation	Equipment Inspections / Preventative Maintenance 
	Traffic Patterns to Manage Noise 

# Anticipated Noise for this Project

ACTIVITY	HOW WE WORK
<b>JOBSITE START UP / SHUT DOWN</b>	<p>Subcontractor Gate Opens at 7 AM and Close at 5 PM</p> <p>Wood Fence Along Takoma Ave (after Utility Installation)</p>
<b>TREE REMOVAL</b>	<p>Working Hour Compliance</p> <p>Communication</p>
<b>DEMOLITION</b>	<p>Working Hour Compliance</p> <p>Equipment Inspections</p> <p>Building Deconstruction</p>
<b>DEWATERING SYSTEM INSTALLATION</b>	<p>Barrier around Generator</p>

# Anticipated Noise for this Project

ACTIVITY	HOW WE WORK
<b>UTILITY INSTALLATION</b>	Maximize Saw Cutting – Minimize Jackhammering
<b>SHORING (RETAINING EARTH)</b>	Drilling Methods Instead of hammering
<b>EARTHWORK</b>	<p>Working Hour Compliance</p> <p>Equipment Inspection</p> <p>Communication</p>

# Engagement



**HOTLINE**  
800-879-9879



**SCHEDULED MEETINGS BY APPOINTMENT**



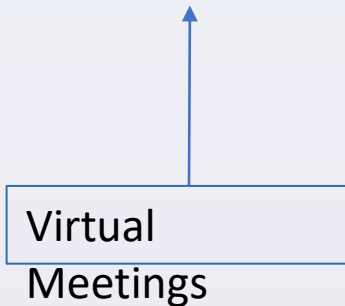
**WEBSITE**  
[montgomerycollege.edu/tpss-design](http://montgomerycollege.edu/tpss-design)



**PROJECT EMAIL**  
[community@montgomerycollege.edu](mailto:community@montgomerycollege.edu)



**MEETING SCHEDULE**  
**REGULAR PROJECT**  
**UPDATE FORUMS**



Look forward to our

# Next Project Updates

Project Update Forum: Feb 2021

**SMITHGROUP**  
LINK STRATEGIC PARTNERS

**Barton**  
**Malow**

**MC** MONTGOMERY  
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