

Barton Malow Noise Suppression Plan

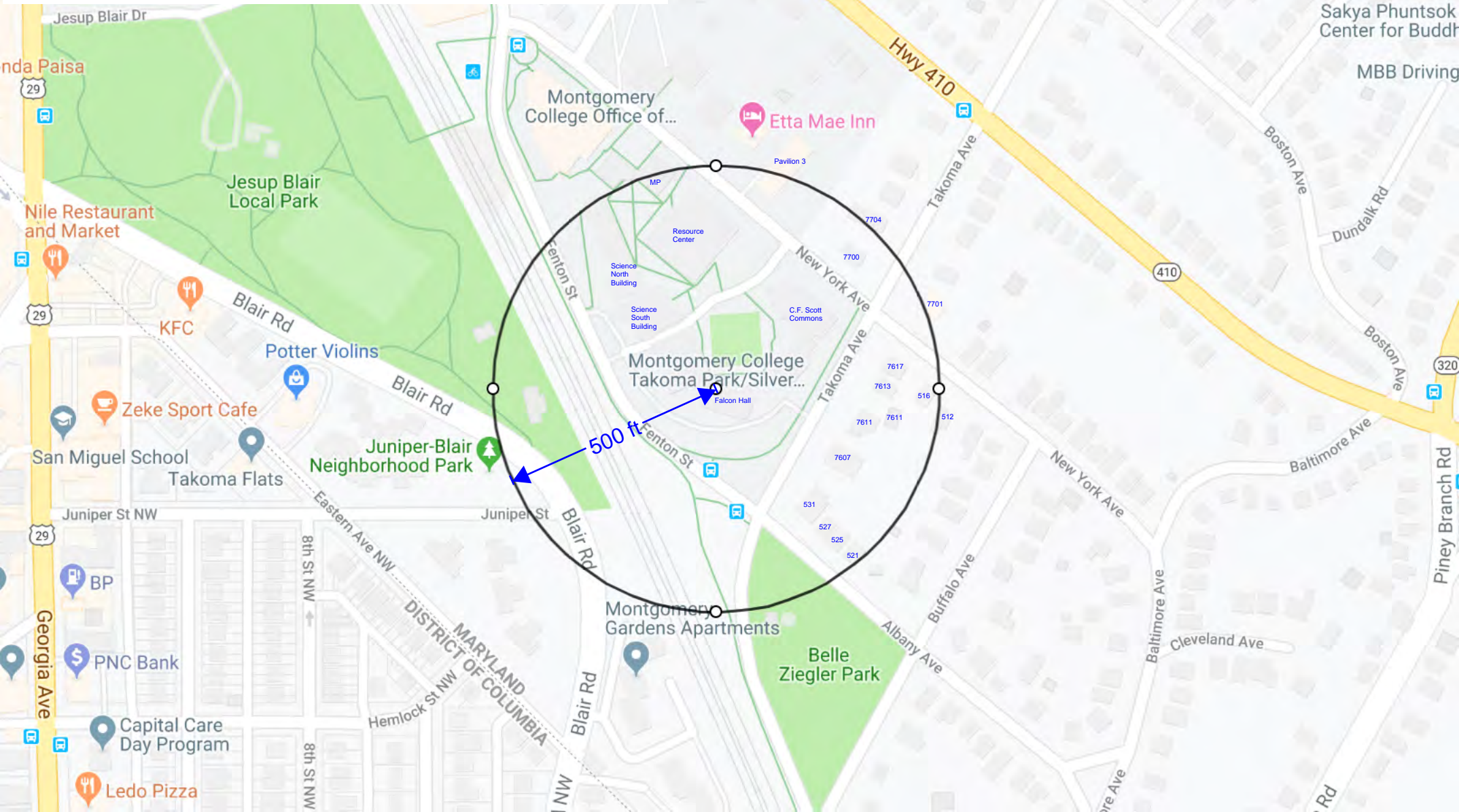
**Project: Montgomery College – Catherine and Isiah Leggett
Math and Science Building**

Address: 7600 Takoma Ave, Takoma Park, MD 20912

Satellite View of Project Radius



Project Radius with Property Addresses



Construction Activities and Associated Equipment

Phase 1: Demolition, Site Utilities, and Excavation (planned September 2020 - March 2021)

- Demolition activities will include jackhammers, debris being loaded into vehicles, and debris falling against the existing building.
- Shoring (i.e. support of excavation during earthwork/demolition) installation will involve drill rigs drilling and setting steel piles to support shoring.
- Excavator(s), loader(s) and other heavy truck(s) will be utilized to raze, dig, and haul building materials.

Phase 2: Foundation and Structure (planned March 2021 - November 2021)

- Foundational concrete will be delivered and placed via a concrete mixing truck and concrete pump truck.
- Concrete trowel machine(s) and/or other gas powered equipment will be used to finish concrete slab on grade.
- A crawler/mobile crane will be utilized for erecting structural steel. Impact drivers will be used for various fastening applications.

Phase 3: Building Envelope (planned November 2021 - July 2022)

- Masonry, curtain wall, window installation will require hammer drills, impact guns, and lifts.

Phase 4: Interior Fit Out (planned December 2021 - December 2022)

- Lift(s) and other equipment, such as hammer drills and pneumatic equipment, will be utilized to install various building materials.

Phase 5: Hardscape and Landscape (planned July 2022 - October 2022)

- Concrete work will utilize trucks, tools, and compacting equipment.
- Grading and landscaping will utilize trucks, tools, and earthmoving equipment.

***Please note that construction design and schedule are still in development, and the above dates are subject to change.**

Noise Mitigation Plan

Implementation of the strategies below will help mitigate noise generated by the construction for the duration of the project, thus reducing the overall impact to neighboring residents.

- Noise levels will be monitored on a regular basis by Barton Malow. Decibel level readings and locations of the monitoring sites will be kept in a log onsite, which shall be available for inspection and review upon request. Decibel readings will be taken utilizing a Tacklife Decibel Meter Model MLM02.
- 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.
- The slamming of vehicle tailgates is prohibited. This will be expressed to all contractor truck drivers prior to the commencement of work, and it will be strictly enforced by Barton Malow's onsite Foremen and/or Superintendent.
- 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.
- Contractors will seek to maximize the use of utility electrical connections, as opposed to temporary generators, which typically generate more noise.
- Contractors will utilize saw cutting as much as possible to minimize jack hammering.
- 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.
- Montgomery College hotline number (1-800-879-9879) is being utilized as a medium of communication with the community regarding any issues, comments, or questions regarding the project.