

Joint Campus Area Committee Information/Recommendation 11/30/20



19G2C – University of Wisconsin-Madison *Site Utility Steam Distribution Replacement*

Project Goals and Objectives

- **Key Issues:**

- The distribution piping will be upgraded to provide for Sellery Hall
- Integrate site into the East Campus Design Neighborhood
- Create improved areas for student recreation
- Improved service access and service storage

- **Project Specific**

- Maintain full occupancy of Sellery Hall during construction
- Provide a long-term solution with an anticipated approximately 50+ year expectancy
- Create opportunities that encourage socialization
- Maximize use of available funds for physical construction through schedule optimization
- Provide consistent character of site development across Sellery Hall, Witte Hall and Gordon Dining and Event Center

Background and Scope

- **Background:**

- This section of steam distribution was originally installed in the early 1960's for the construction of Sallery Hall and Witte Hall. The piping was installed in a steel casing which has failed allowing wet steam to be distributed to surrounding buildings.

- **Scope**

- Work is from intersection of N. Park Street & W. Dayton Street to the intersection of N. Lake Street & W. Johnson Street.
- Project work includes replacing ~1,150lf of HPS, PCR, and CA piping.
- Direct buried piping will be replaced with a concrete box conduit. Three steam pits will be replaced.
- All areas disturbed by the project will be fully restored, including roadways and gutters, pedestrian walkways, terraces, landscape, and site structures.
- Temporary steam, condensate and compressed air will be required in order to serve connected loads while the box conduit is being constructed.
- Project work also includes traffic controls, phasing drawings, and asbestos abatement.

Schedule and Budget

- 35% Documents November 24, 2020
- SBC February 2021
- Bid April 2021
- Award May 2021
- Mobilize May 2021
- Sub. Completion August 2021
- Final Completion September 2021

As Enumerated Design Estimate:

Construction	\$ 4,604,479.92
Fees	\$ 820,964.80
Contingency	\$ 812,555.28
TOTAL PROJECT COST	\$ 6,238,000.00

Site Context



Neighborhood Context



Overall Context Aerial



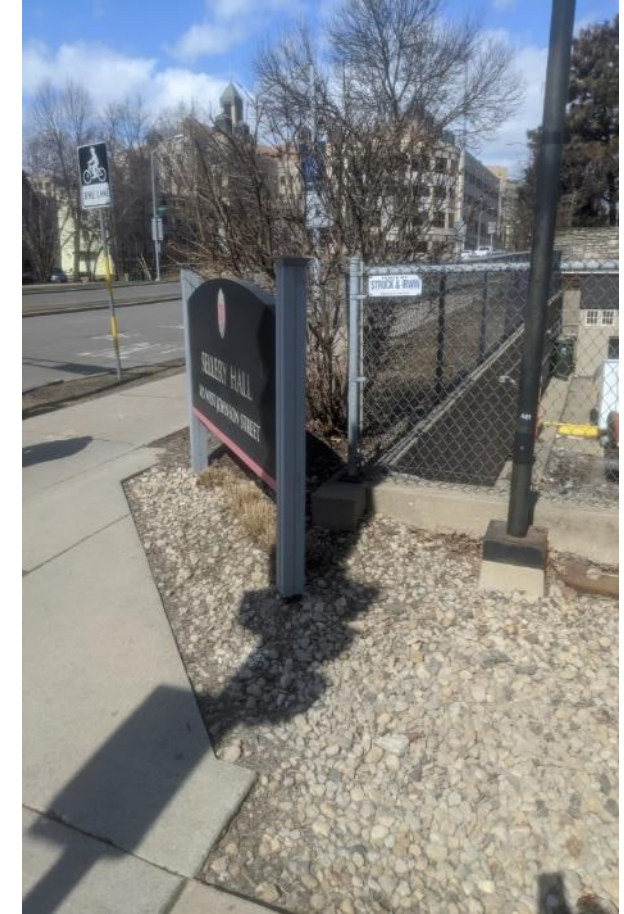
KSingh | Engineers
Scientists
Consultants

SMITHGROUP

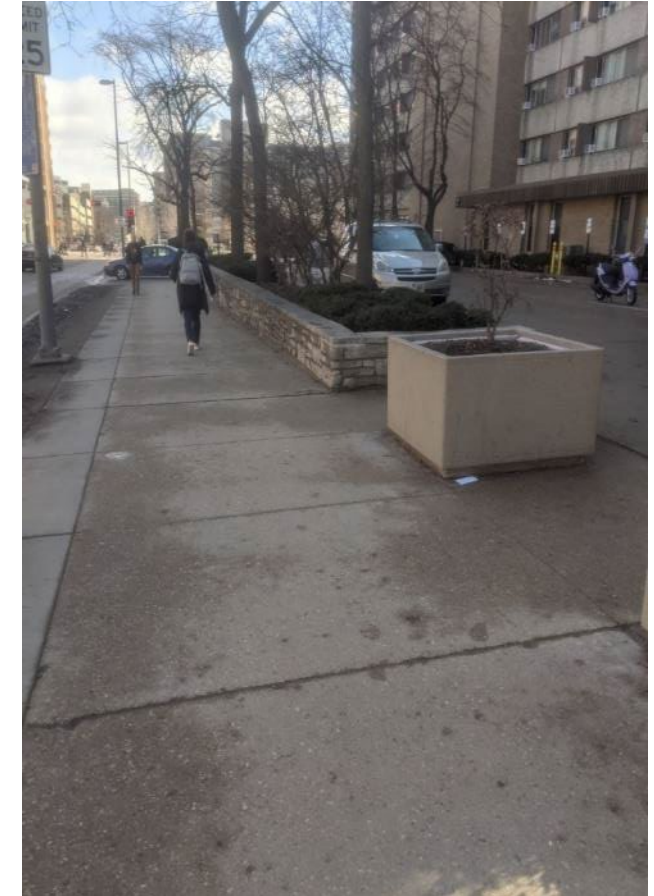
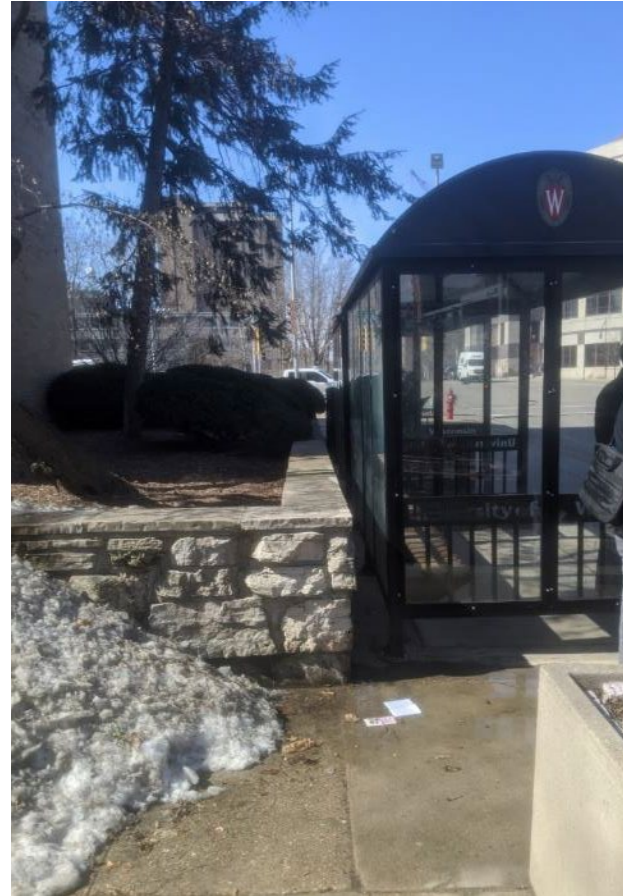
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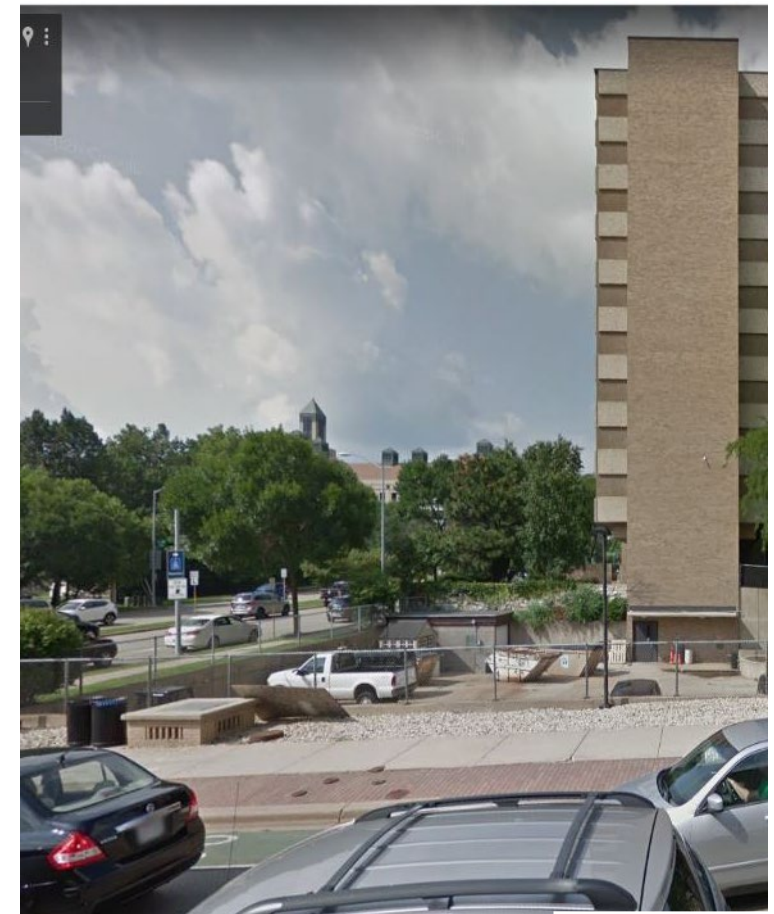
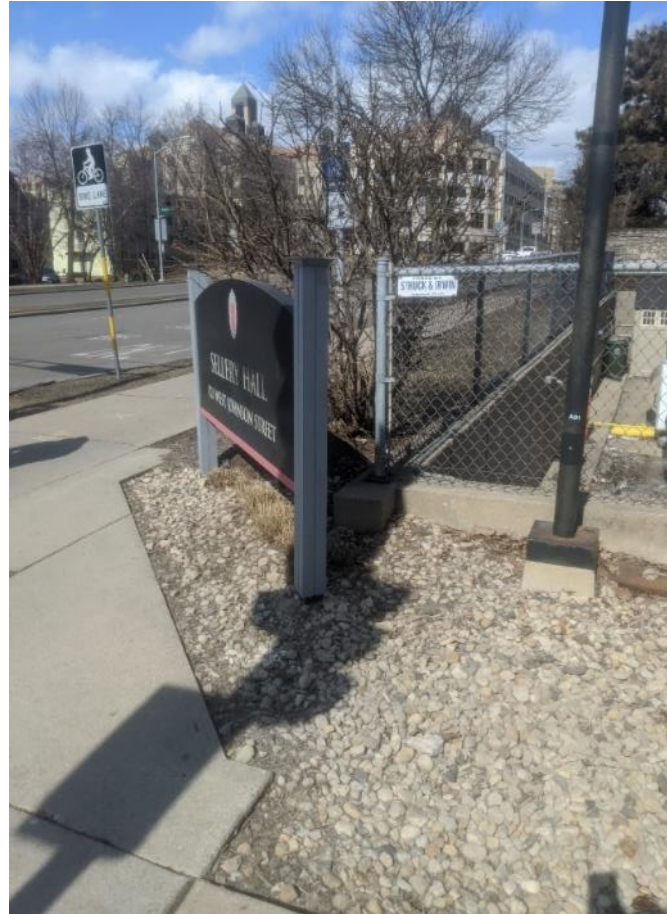
Existing Site Photos – Park Street



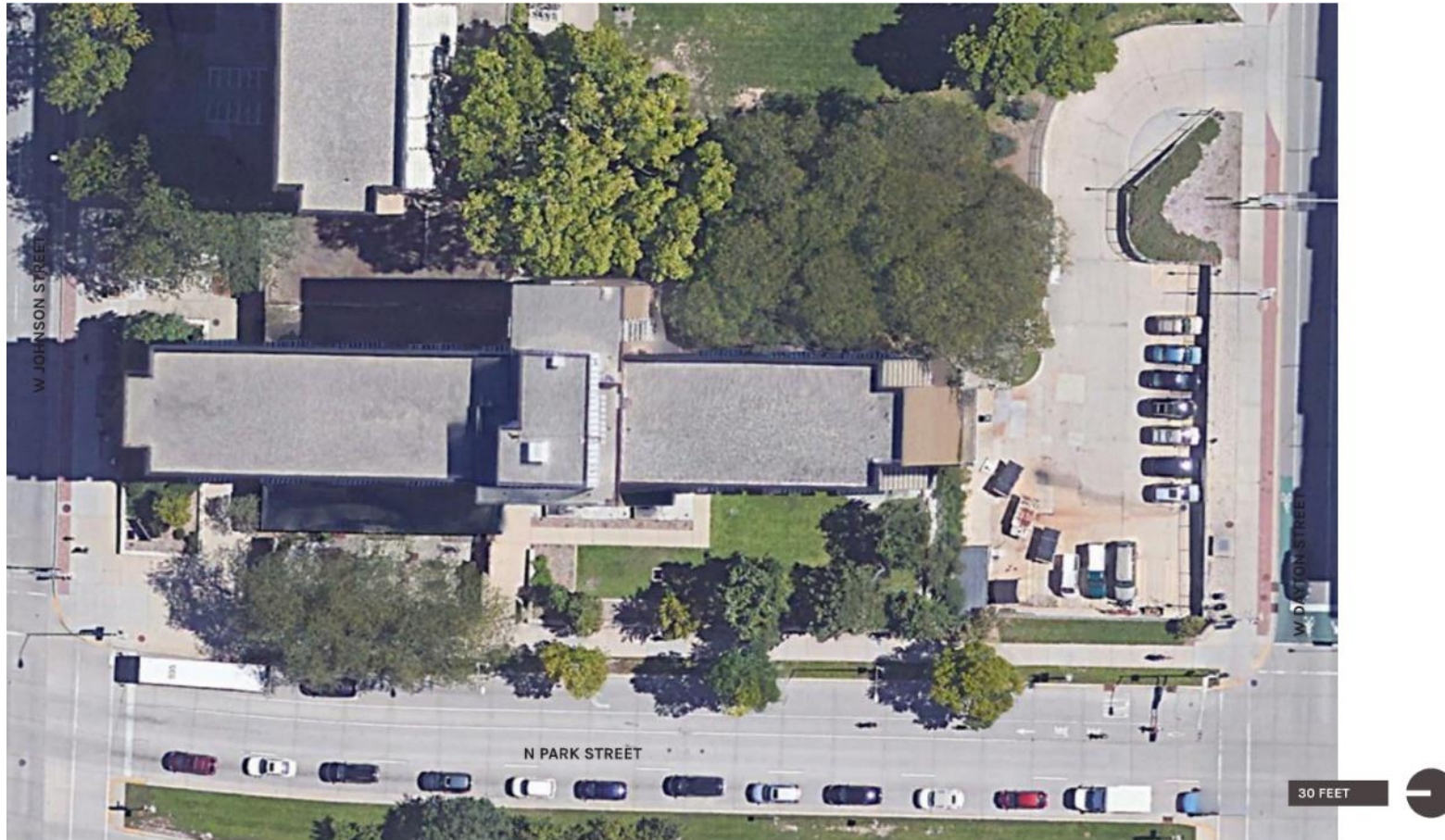
Existing Site Photos – Johnson Street



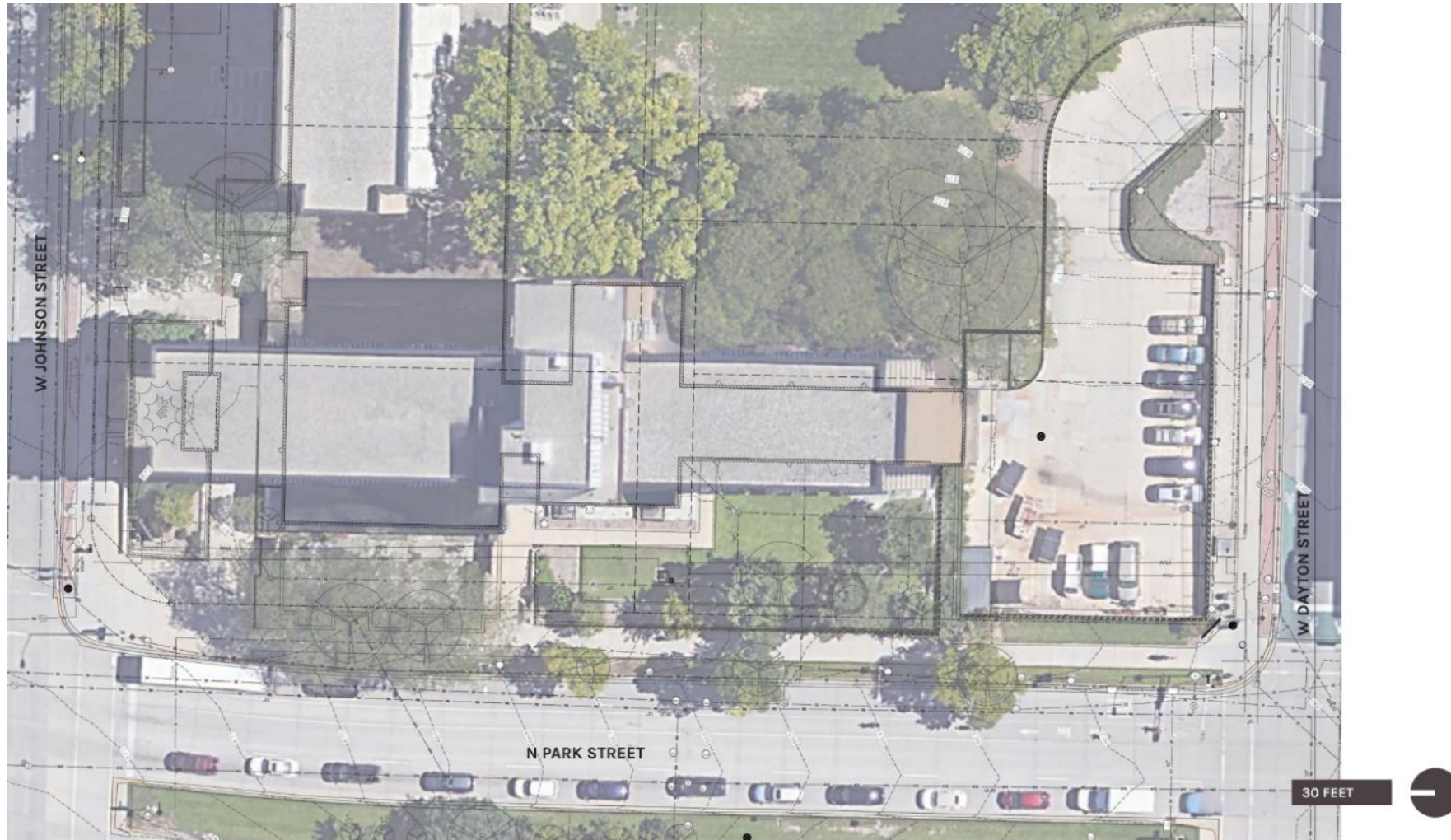
Existing Site Photos – From Dayton Street



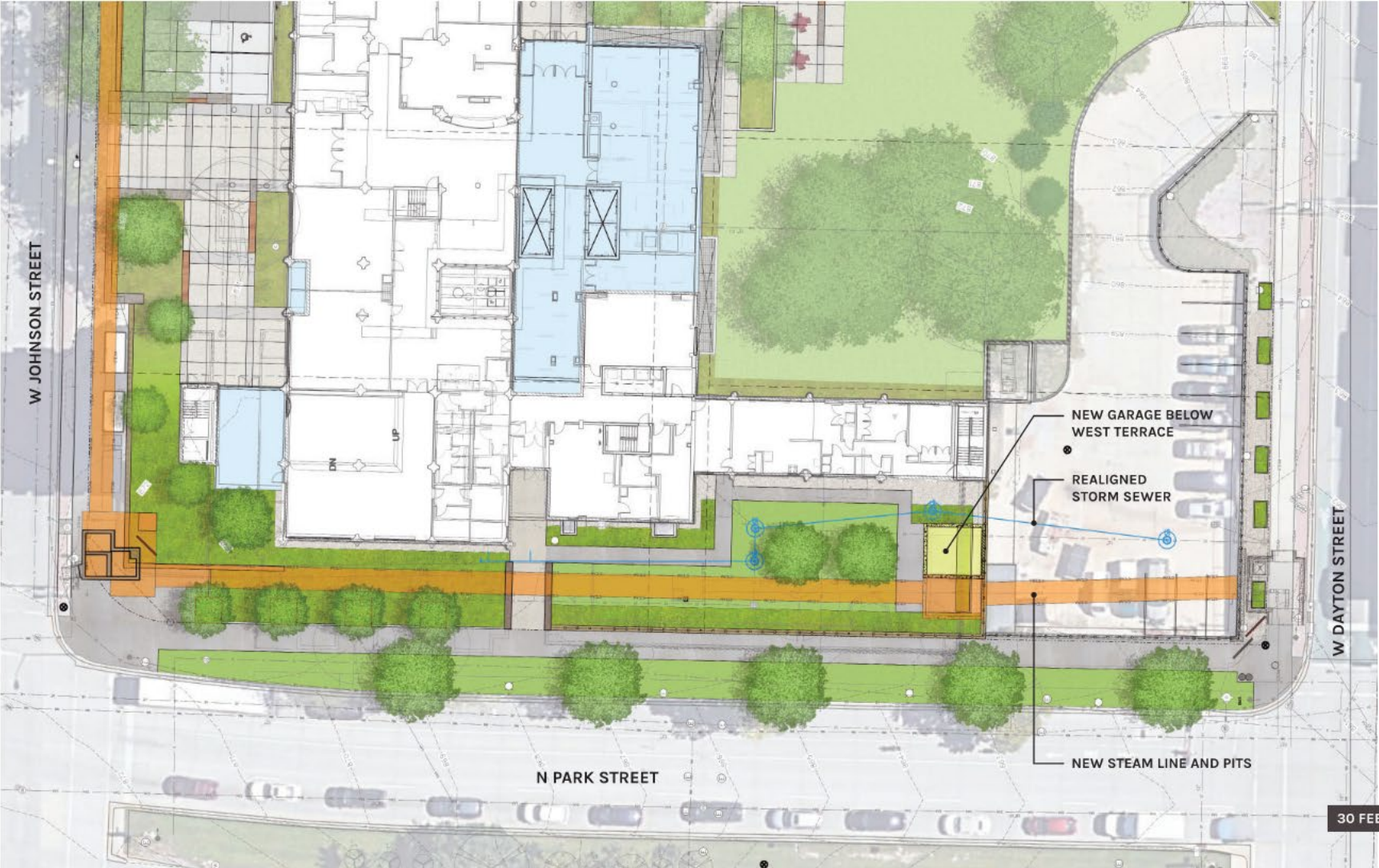
Existing Conditions – Aerial Park Street



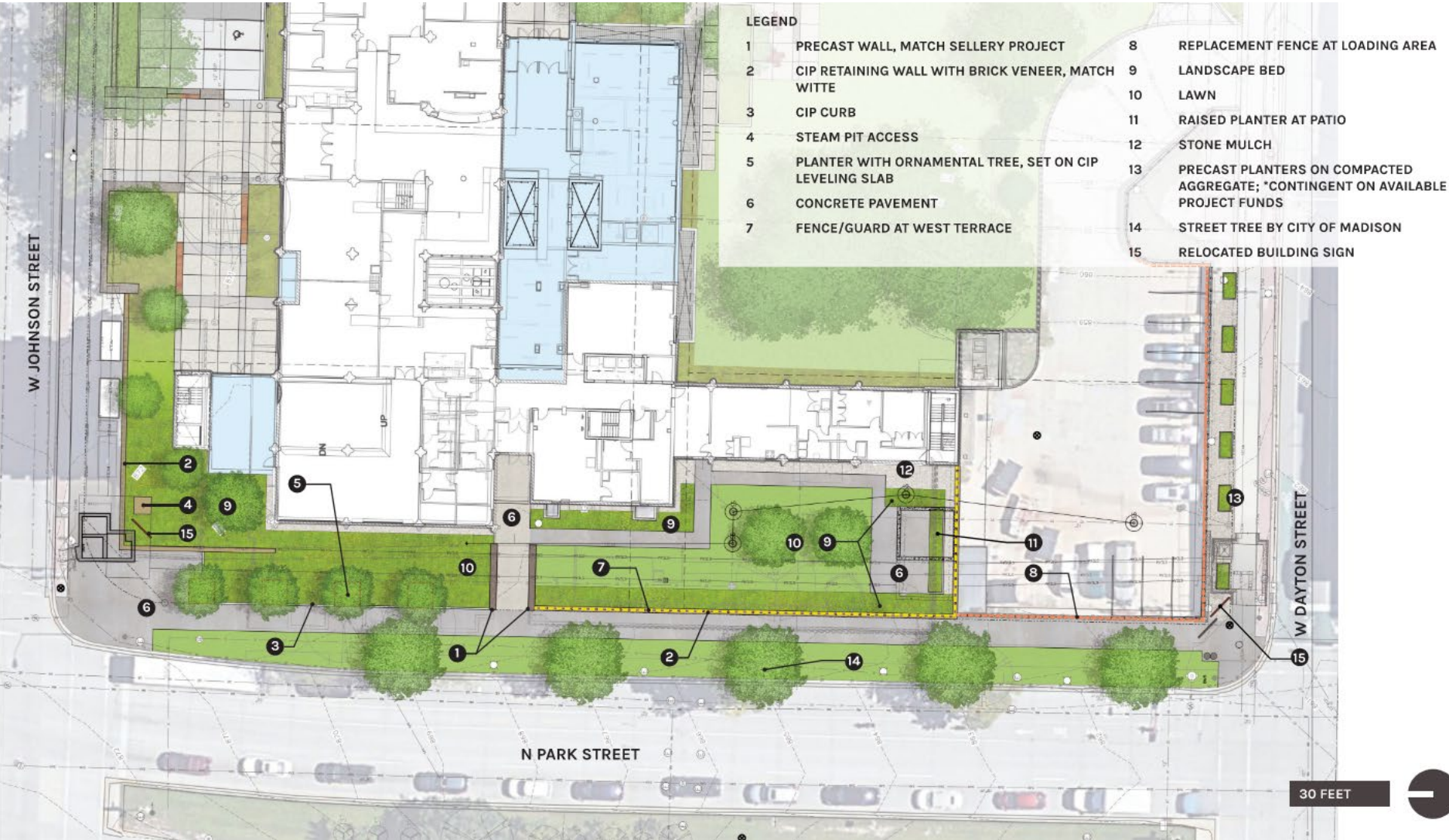
Existing Conditions – Aerial Park Street + Survey



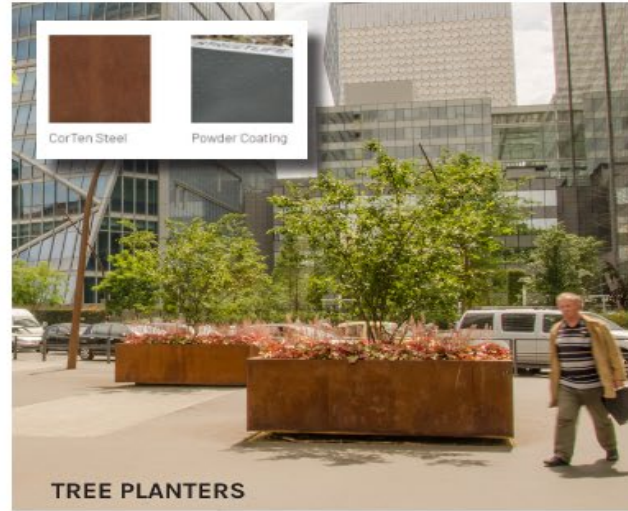
West Sellery Restoration Plan + Proposed Steam



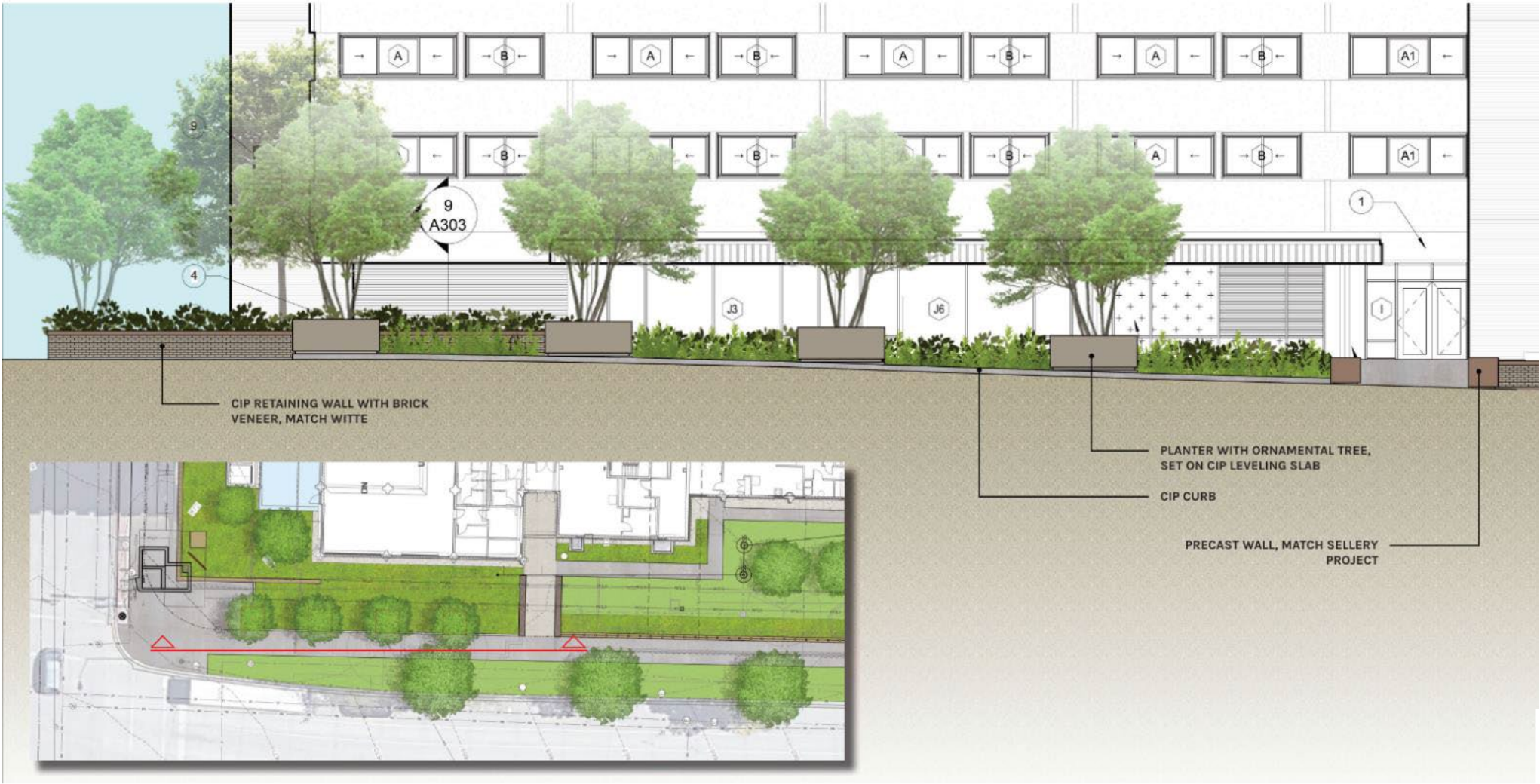
West Sellery Restoration Plan Details



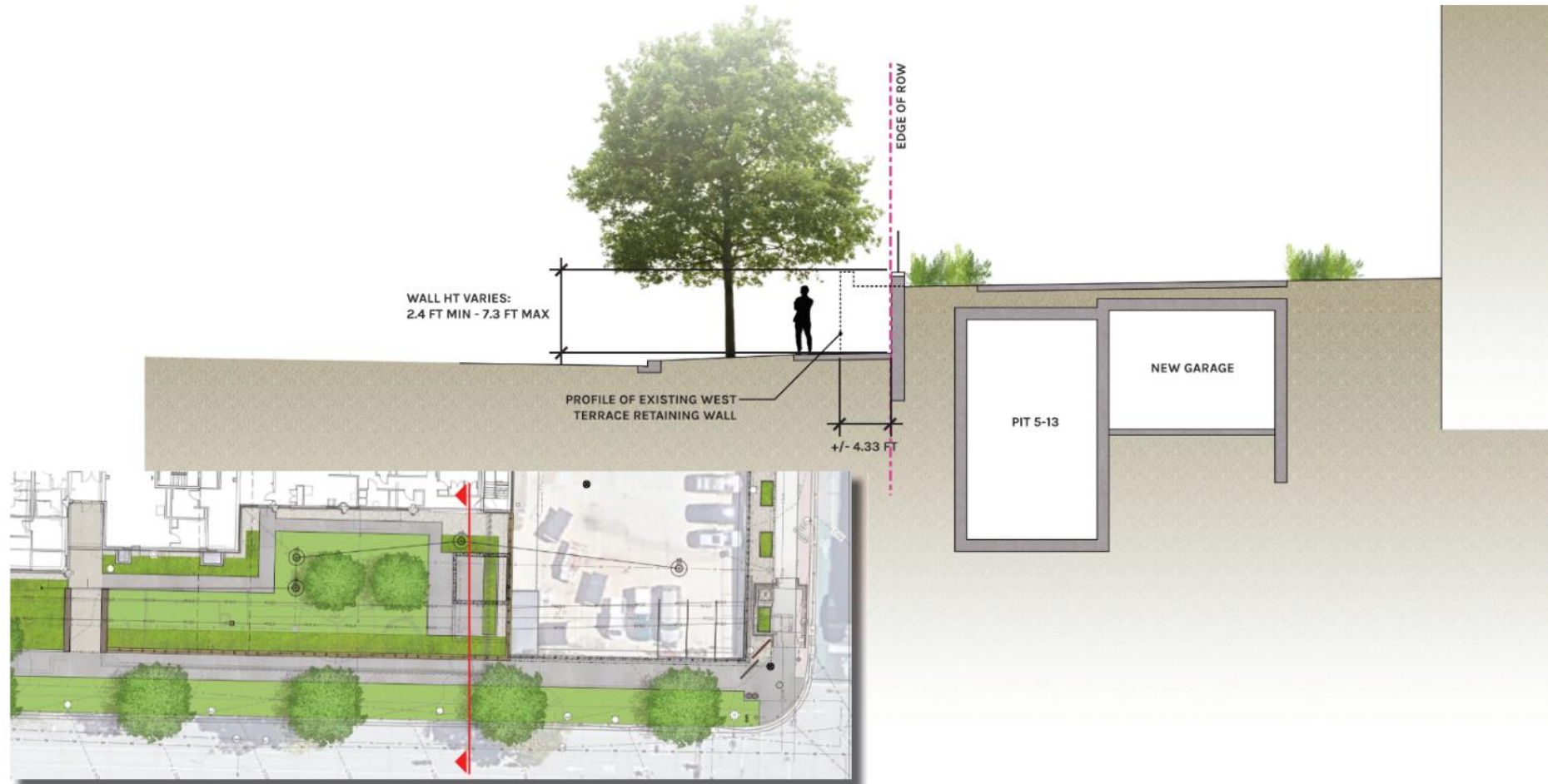
Materials



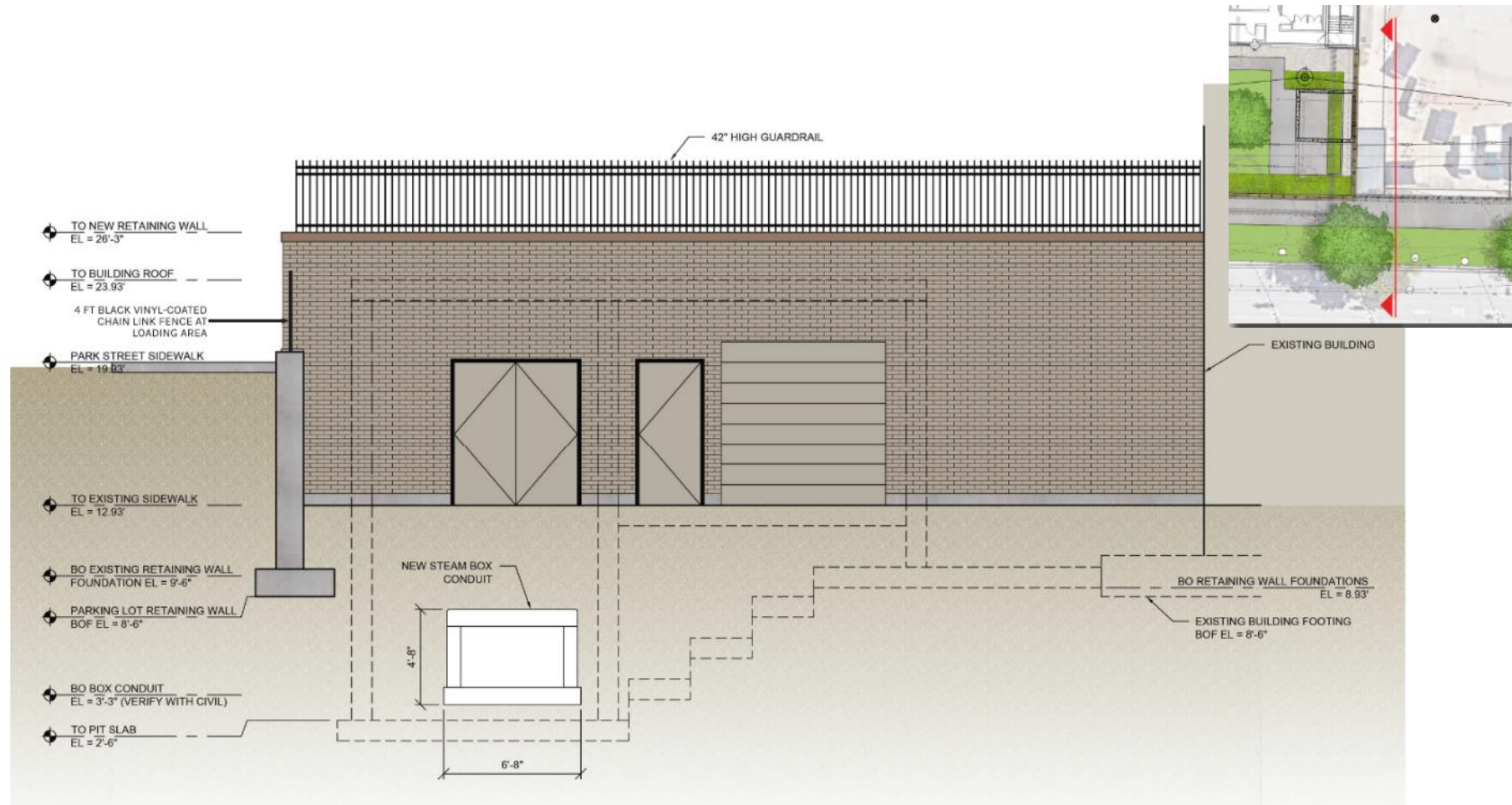
Tree Planters – Elevation



West Terrace Retaining Wall – Section At Pit 5-13



West Terrace Retaining Wall – South Elevation



Johnson Street Restoration Plan

