

# UW MADISON - MSE BUILDING PARTIAL DEMOLITION

UW-Institution Project No. 0520-2225 / UWSA Project No. A-22-016

## PROJECT SUMMARY

Demolish the 1974 east addition and a portion of the 1995 south addition to the Material Science Engineering (MSE) building (constructed in 1909). This demolition is required to make room for a new utility tunnel that will be constructed by the 21C3B Engineering Dr. Utilities Project immediately following demolition. The Utility tunnel is being relocated to make room for the 21L3J New Engineering Building currently in design. The total amount of demolition is approximately 5,500gsf.

## DETAILED DESCRIPTION OF THE PROJECT

The entire 1974 east addition will be removed exposing the original brick façade of the 1909 MSE Building. It is anticipated that the newly exposed historic façade will require significant repair due to way the 1974 construction was built. The extent of the repair required will not be understood until demolition is complete. This demolition project will not complete the necessary repairs; instead, restoration work will be initiated as a part of the New Engineering Building project. Reasons for this include:

- The site directly adjacent to the exposed façade will immediately be excavated for the 21C3B Engineering Dr. Utilities Project.
- Immediately upon completion of the 21C3B Engineering Dr. Utilities Project, the site will be turned over to the 21L3J New Engineering Building project for construction of the new building.
- Time will be required to investigate the MSE Buildings façade, design a restoration plan.

During this period, the MSE Façade will be enclosed within construction fencing and not directly accessible. As a temporary solution to leaving an unsightly façade exposed for an extended period of time a mesh fabric screening, imprinted with a pleasing pattern will be installed to cover the façade.

A small portion of the 1995 south addition will also be demolished and a new exterior wall will be constructed on the east side. The façade will match the existing brick façade of the 1995 addition.

During the demolition project pedestrian traffic will be routed around the site, using existing, accessible pathways. Following completion of the demolition project the site will be stabilized with a covering of crushed gravel to control erosion.

### PROJECT COST

CONSTRUCTION COST:	\$880,000
SOFT COSTS:	\$193,000
TOTAL PROJECT COST:	\$1,073,000

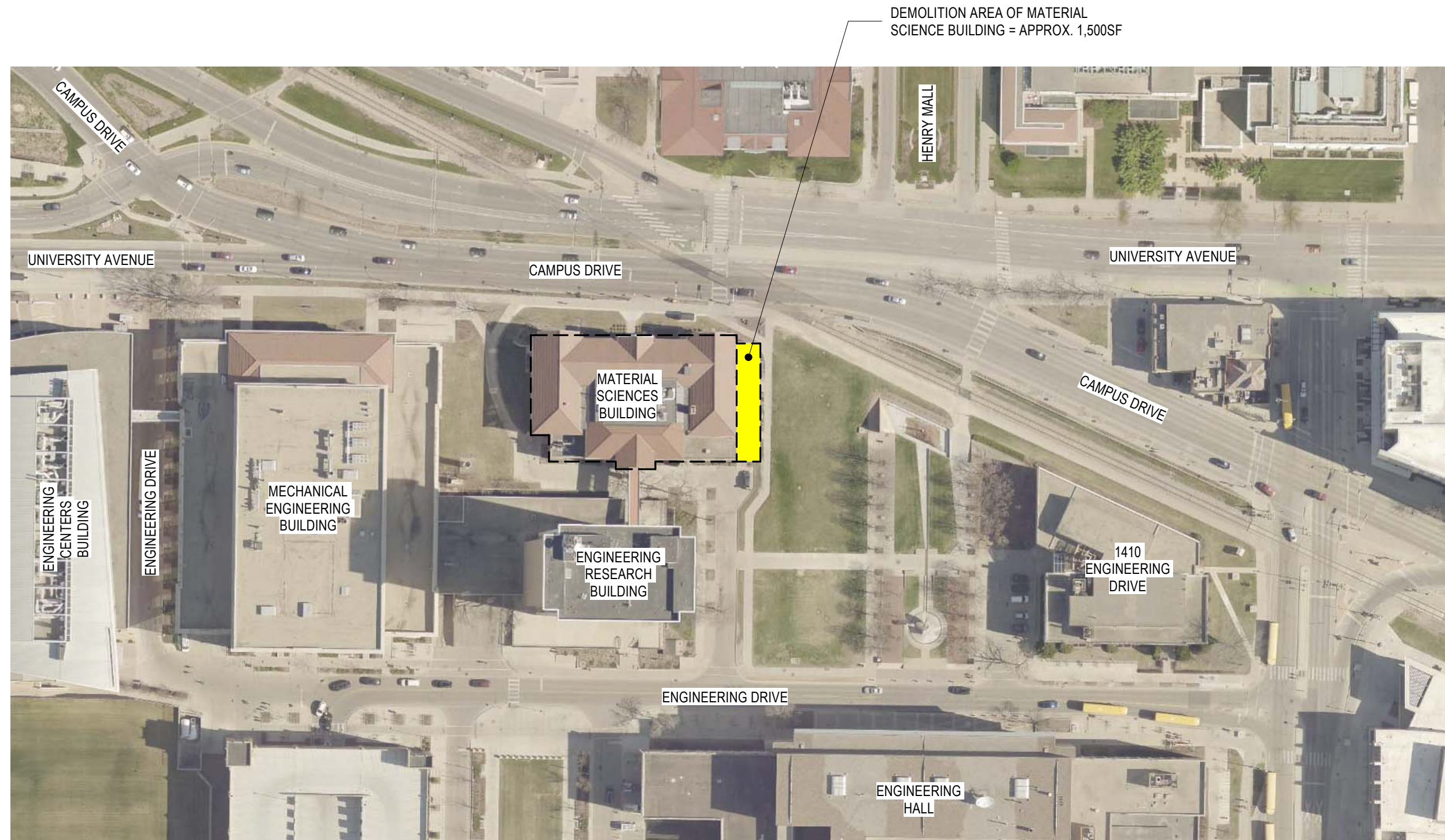
### PROJECT SCHEDULE:

- DRB MEETING #1: JAN 17, 2023
- JCAC MEETING: JAN 26, 2023
- FINAL REVIEW SUBMITTAL: FEB 16, 2023
- DRB MEETING #2 (APPROVAL) FEB 21, 2023
- BID OPENING DATE: APRIL 2023
- START CONSTRUCTION DATE: MAY 2023
- SUBSTANTIAL COMPLETION DATE: OCTOBER 2023



MSE BUILDING 1974 ADDITION (RIGHT) TO BE DEMOLISHED. 1995 ADDITION (LEFT) TO BE PARTIALLY DEMOLISHED.





ARIAL PHOTO OF PROJECT DISTRICT AND AREA OF WORK



- TRAFFIC CONTROL NOTES:  
PEDESTRIAN DETOUR
1. MAINTAIN SIDEWALK OUTSIDE OF THE CONSTRUCTION LIMITS AT ALL TIMES.
  2. PROVIDE PEDESTRIAN TRAFFIC CONTROL SIGNAGE AND BARRICADES AS DETAILED ON DETAIL 7/C300 OF THESE PLANS.
  3. MAINTAIN ACCESS TO BUILDINGS AT ALL TIMES.
  4. MAINTAIN A DETOUR AND BUILDING ACCESS ROUTE COMPLIANT WITH THE AMERICANS WITH DISABILITIES ACT (ADA) AT ALL TIMES FOR ALL BUILDINGS. THE PROPOSED ADA ACCESSIBLE PEDESTRIAN DETOUR ROUTE IS SHOWN ON THIS SHEET. WHERE ADA ROUTE CAN NOT BE MAINTAINED, CONSTRUCT A TEMPORARY SURFACE TO MEET AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) REQUIREMENTS CONSISTING OF TEMPORARY ASPHALTIC SURFACE, ANY GRADE OF CONCRETE, SKID RESISTANT STEEL PLATING, OR ALTERNATIVE MATERIAL AS APPROVED BY THE UW-MADISON PROJECT MANAGER. GRAVEL OR BASE COURSE MATERIAL IS NOT ACCEPTABLE.
- CITY BUS STOP PHASING
5. MAINTAIN ACCESS FOR CITY BUSES AT ALL TIMES. PROVIDE THREE WEEKS NOTICE TO METRO TRANSIT IN ADVANCE OF ANY BUS STOP CHANGES.  
EMAIL: metronotice@cityofmadison.com

**LEGEND**

— X —

CONSTRUCTION FENCE

— — —


CONSTRUCTION LIMITS

—————

ADA ACCESSIBLE PEDESTRIAN DETOUR ROUTE

II / I

TYPE II BARRICADE WITH/WITHOUT SIGN USE TYPE A FLASHING LIGHT

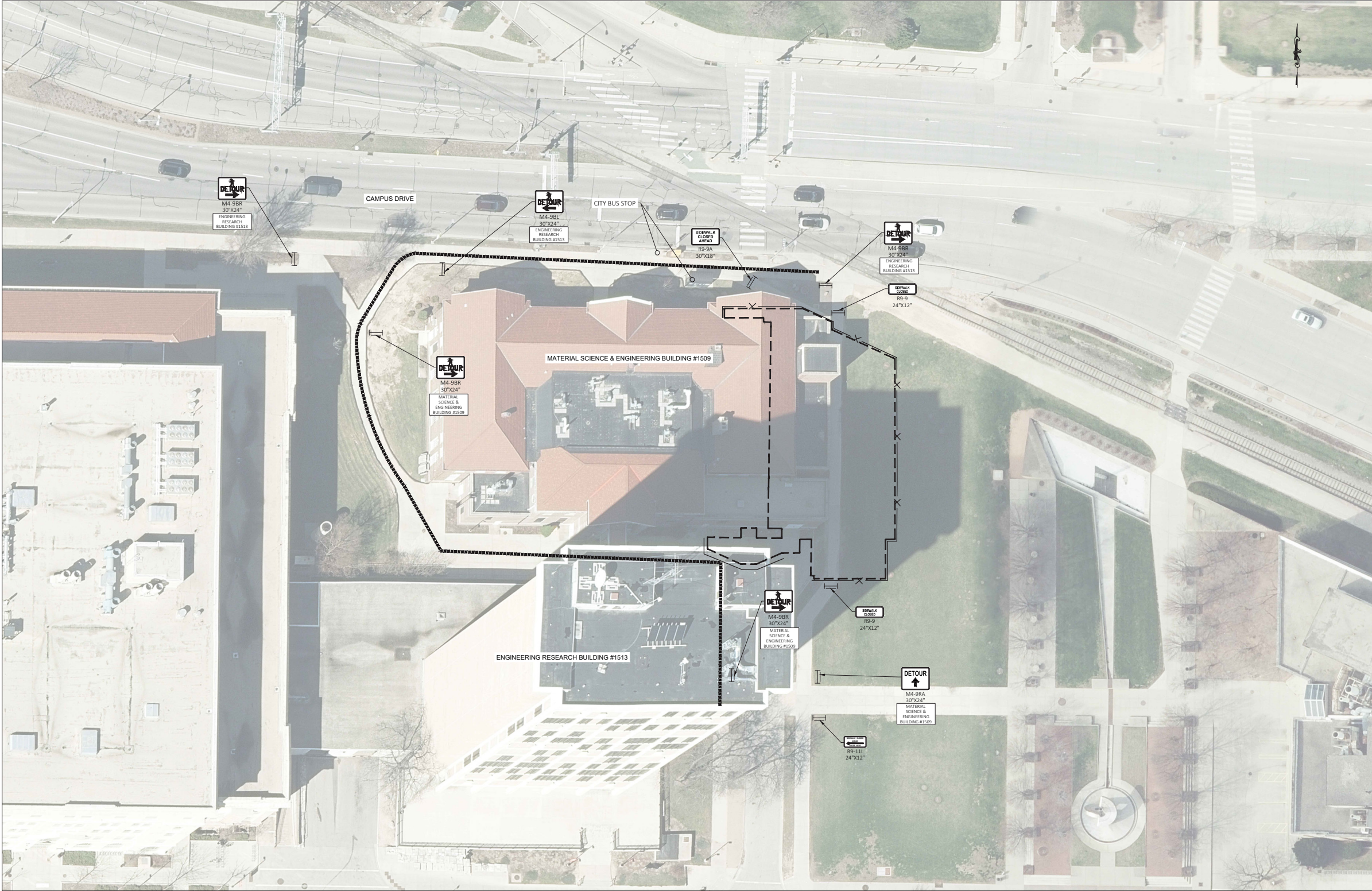


T 414.220.9640  
751 N Jefferson St.  
Suite 200  
Milwaukee, WI 53202

CONSULTANTS:

 **KSingh** Engineers  
Scientists  
Consultants

3636 N 124th STREET  
WAUWATOSA, WI 53222  
262-821-1171



UW MADISON - MATERIALS SCIENCE AND  
ENGINEERING BUILDING - PARTIAL DEMOLITION

1500 UNIVERSITY AVE  
MADISON, WI 53706

REVISIONS:

SCALE

0' 10' 20'

PROJECT  
NUMBER

A-22-016\_0520-222

SET  
TYPE

DD

DATE  
ISSUED

01/05/2023

SHEET  
NUMBER

C010

SHEET TITLE

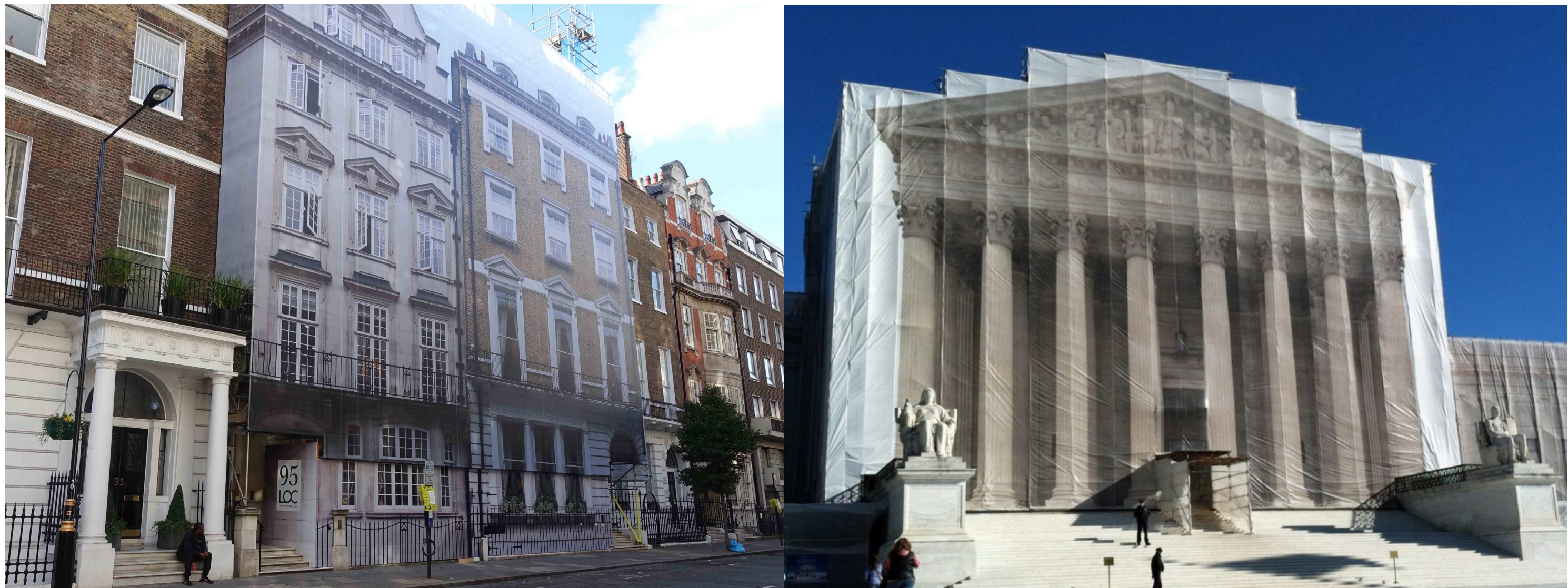
PEDESTRIAN DETOUR PLAN





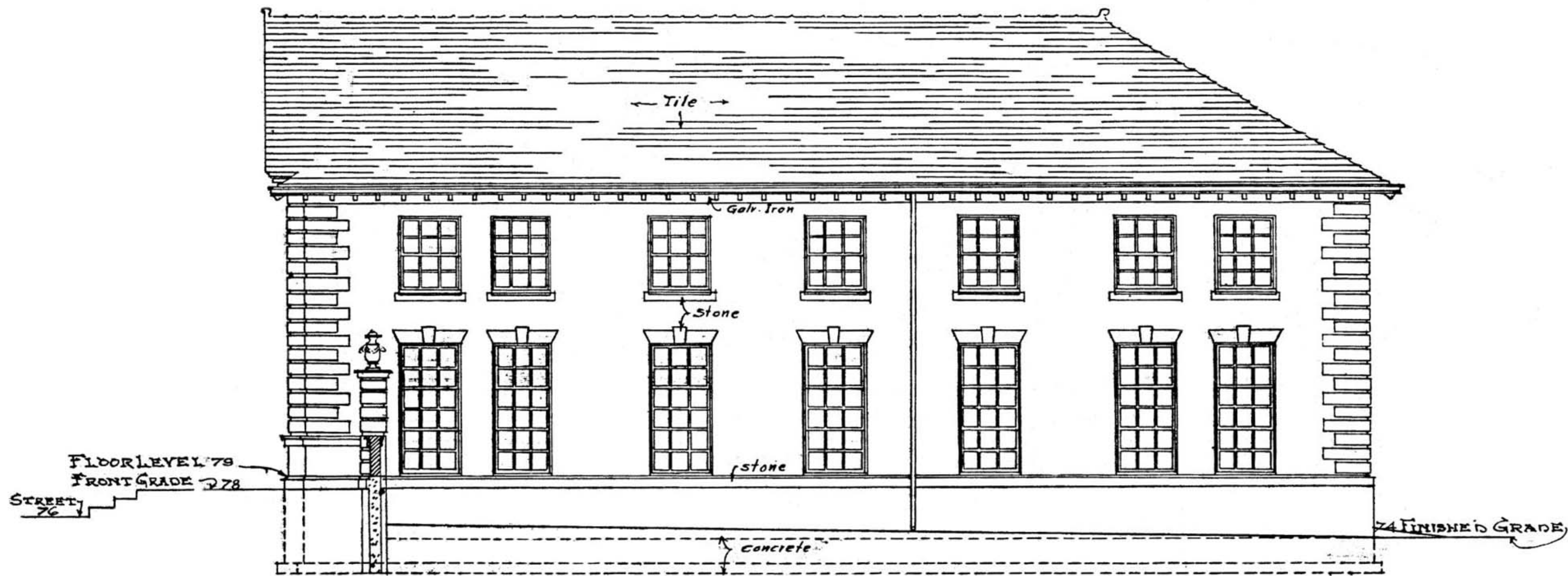
3D RENDERING OF EAST FACADE OF MSE BUILDING FOLLOWING DEMOLITION OF ADDITION AND CONSTRUCTION OF NEW EXTERIOR WALL.



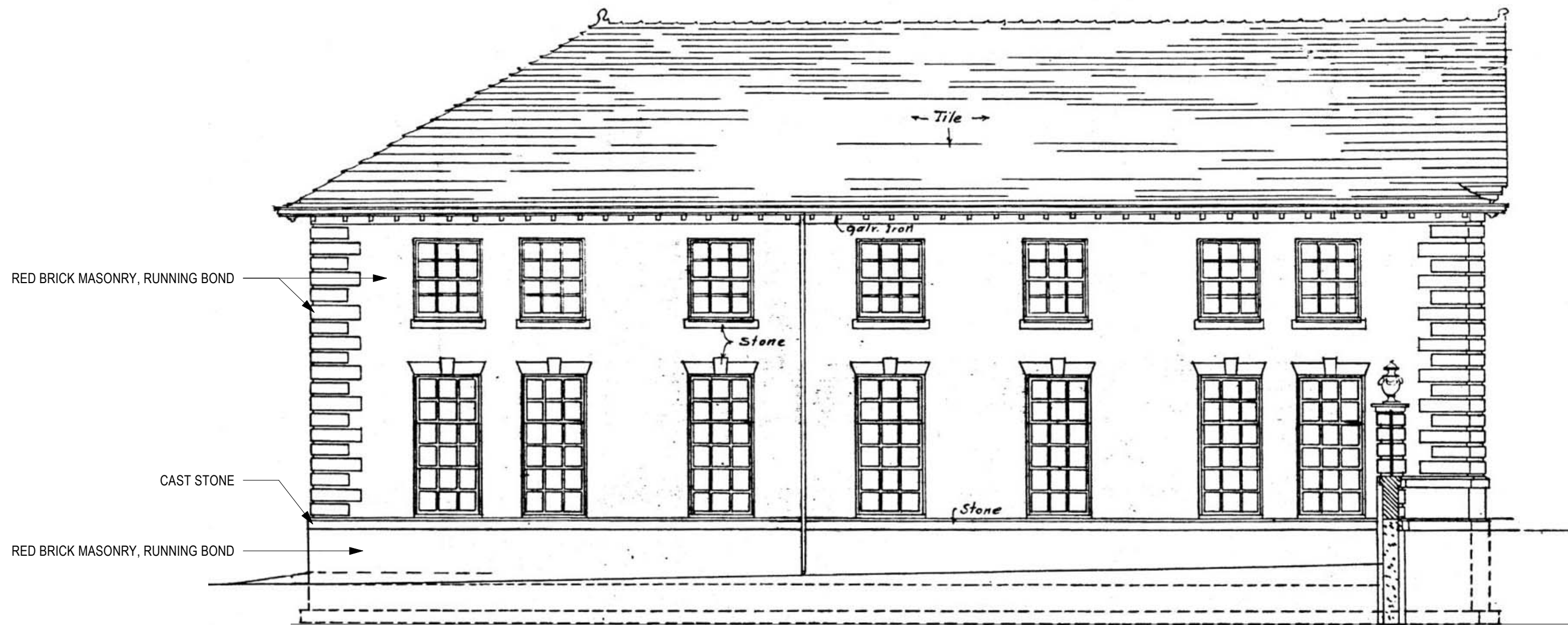


EXAMPLES OF DECORATIVE “SCRIM” TO BE PLACED OVER EXISTING BUILDING FACADE DURING UTILITIES PROJECT AND CONSTRUCTION OF NEW COE BUILDING.





**EAST ELEVATION - HISTORICAL 1909 CONSTRUCTION**  
 SCALE 1/8" = 1'-0"



**WEST ELEVATION - HISTORICAL 1909 CONSTRUCTION**  
SCALE 1/8" = 1'-0"