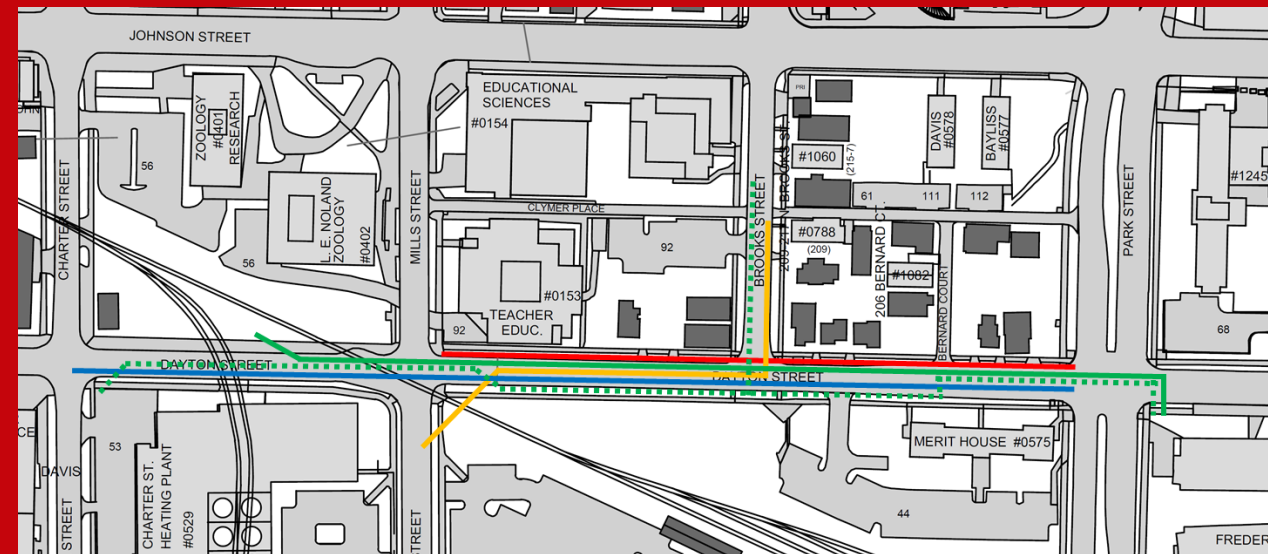




South Campus Utility Improvements

Joint Campus Area Committee
March 13, 2019
Informational



Agenda

- History
- Scope
- Overview
- Schedule
- Construction Staging
- Phasing/Traffic Control
- Site Restoration/Fencing
- Q&A

History

- Identified in both the 2005 and 2015 Utility Master Plan
- Enumerated in 2015 WI Act 55
- Approved by SBC in December 2017 MGE & MWU Scope
- Funds Added by SBC in August 2018 Bidding Climate
- Bid in September 2018 Over Budget
- Scope removed from project
- Rebid in January 2019
- Successful Bidder Terra Engineering & Construction Corp.

Scope

In general the work consists of replacement and construction of steam utilities along Dayton Street from Mills Streets to Park Street and primary electrical/signal communication utilities along Dayton Street from Charter Street to Park Street. Improvements include replacement of high pressure steam, pumped condensate return, and compressed air piping. Buildings that will be affected by the project include Teacher Education (Building 0153) and Merit Residence Hall (Building 0575). A temporary boiler will be required to maintain steam service to Teacher Education Building as part of this project.

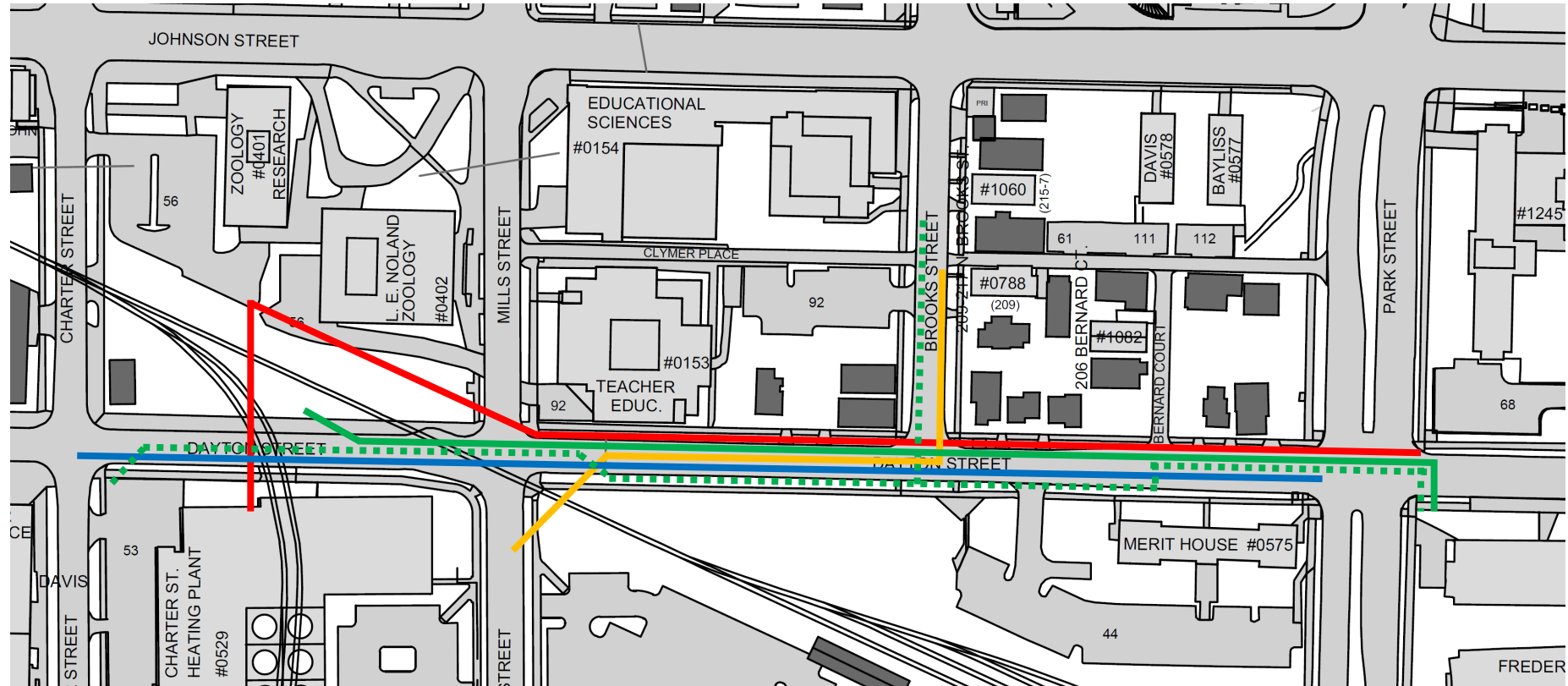
Primary electric/signal communication utilities will be constructed along Dayton Street from Charter Street to Park Street. Improvements include a new series of electric manholes and ductbanks, routed in parallel to the steam service. Primary electrical/signal communication utilities will be constructed on Brooks Street, extending north from Dayton Street. Two 15kV feeders will be installed to an existing manhole on Brooks Street. A separate electrical ductbank will be constructed from Mills Street to Brooks Street. This ductbank and associated manholes will be for Madison Gas and Electric. The existing primary electrical ductbanks and manholes located at the south side of Dayton Street will become a signal communication pathway and a new duct bank will be added to this pathway for future signal communications growth. The conduits will be bored under the railroad, Mills Street and Park Street to maintain train and automobile traffic during construction. Two 15kV heavy tie feeders will be installed from the Dayton Street Switching Station to the LaBahn Switching Station. Conductors will be installed in the new electrical ductbank from the Dayton Street Switching Station to Park Street and in existing spare ductbank conduits from Park Street to the LaBahn Switching Station.

Existing city water pipe in Dayton Street will be replaced from Charter Street to Park Street, including bored installation under the railroad and Mills Street.

Upon completion of the steam service and primary electric/signal communication work, all areas disturbed by the project will be fully restored including roadways, curbs, gutters, terrace areas, trees, sidewalks, landscaping features, and site structures.

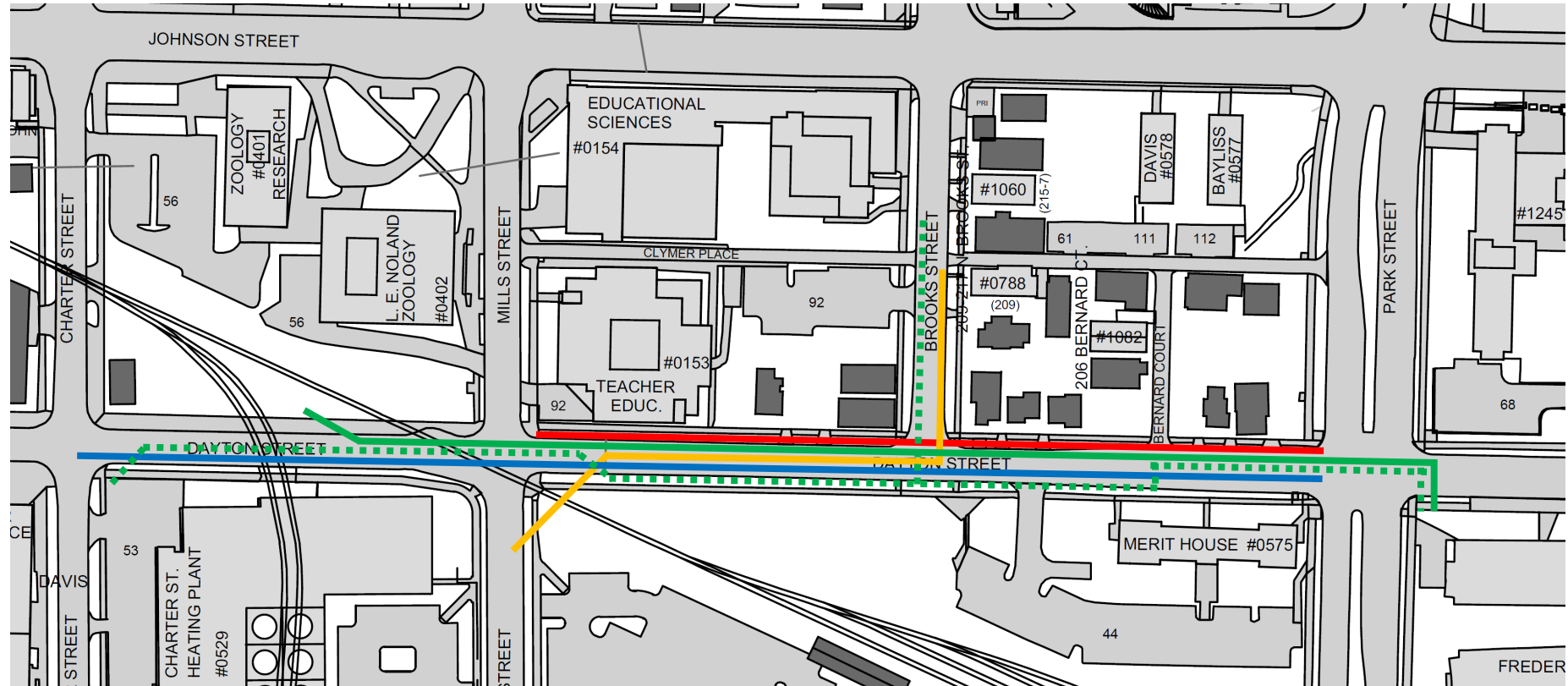
Overview – Original Design

- Steam
- MGE
- City Water
- Elect/Signal



Overview – Current Design

- Steam
- MGE
- City Water
- Elect/Signal



Schedule

Start Date (Month/Year)	End Date (Month/Year)	Schedule Milestones
April 2019	April 2019	Mobilization
April 2019	September 2019	Excavations and Site Work
April 2019	November 2019	Concrete Work
April 2019	November 2019	MEP Underground and Site Utilities
June 2019	November 2019	Surface Restoration
October 2019	October 2019	Energization of Steam and Condensate Piping
December 2019	December 2019	Substantial Completion

Schedule

Due to the close proximity of the project to several UW facilities, construction activities that produce noise, dust and other disturbances shall be limited and must be coordinated in advance with the DFD Project Representative and the User Agency. Except as indicated below, all work shall be conducted during normal working hours from 8:00 A.M. to 7:00 P.M. daily, Monday through Saturday.

The normal working hours for snow and ice removal shall be 5:00 am to midnight, seven-days per week.

No work shall be performed during the following periods due to final exams and student move out and move in:

May 5 through May 12, 2019 (final exams and move out)

August 14 through August 15, 2019 (move-out/move-in for 202 N. Brooks Street and Dayton House)

August 28 through August 30, 2019 (move-in UW Housing)

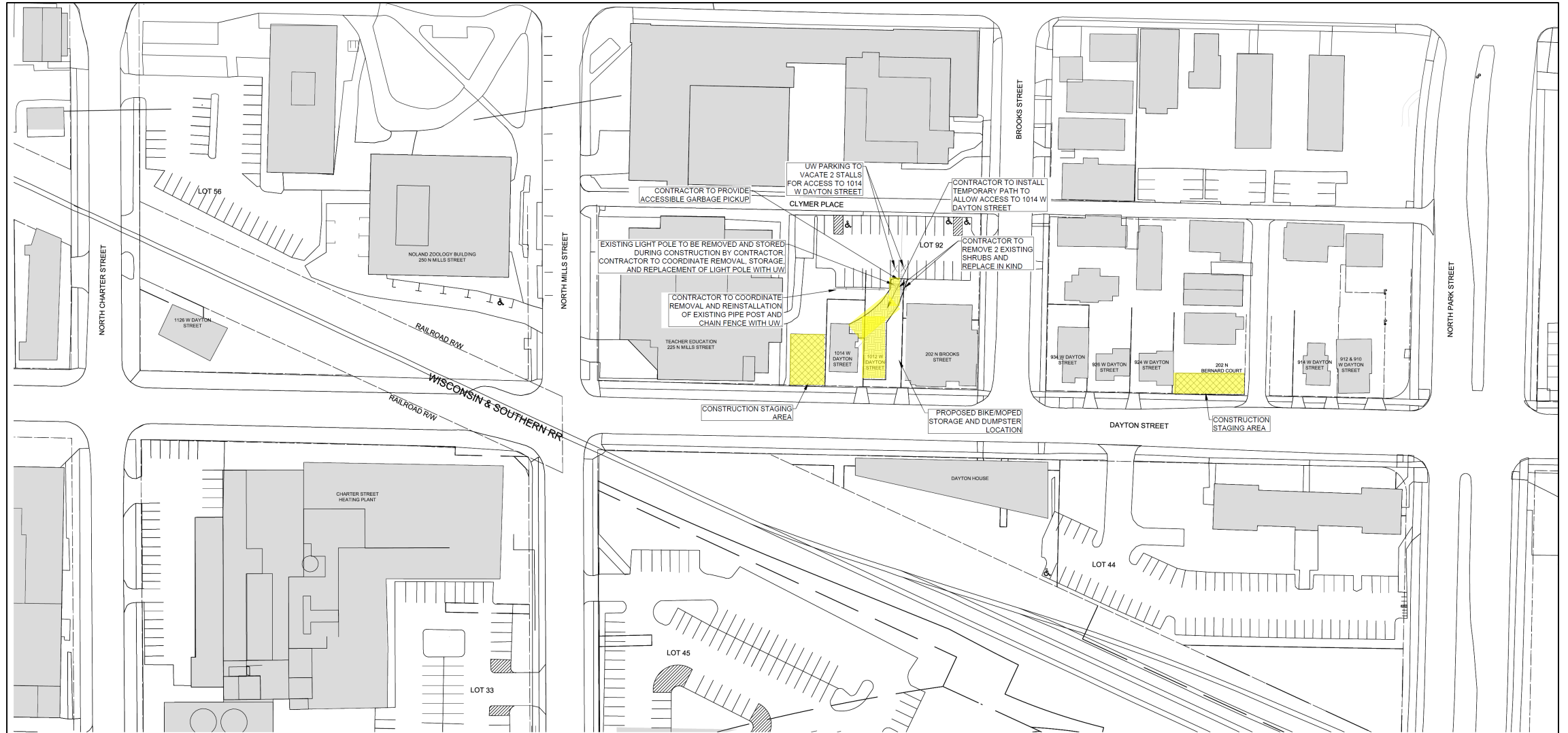
December 12 through December 19, 2019 (final exams)

No work shall be performed on days of UW home football games and UW commencement.

No work impacting vehicular or pedestrian traffic on West Dayton Street, east of North Park Street shall occur before May 13, 2019.

All work impacting vehicular or pedestrian traffic on West Dayton Street, east of North Park Street shall be completed before August, 28, 2019.

Construction Staging

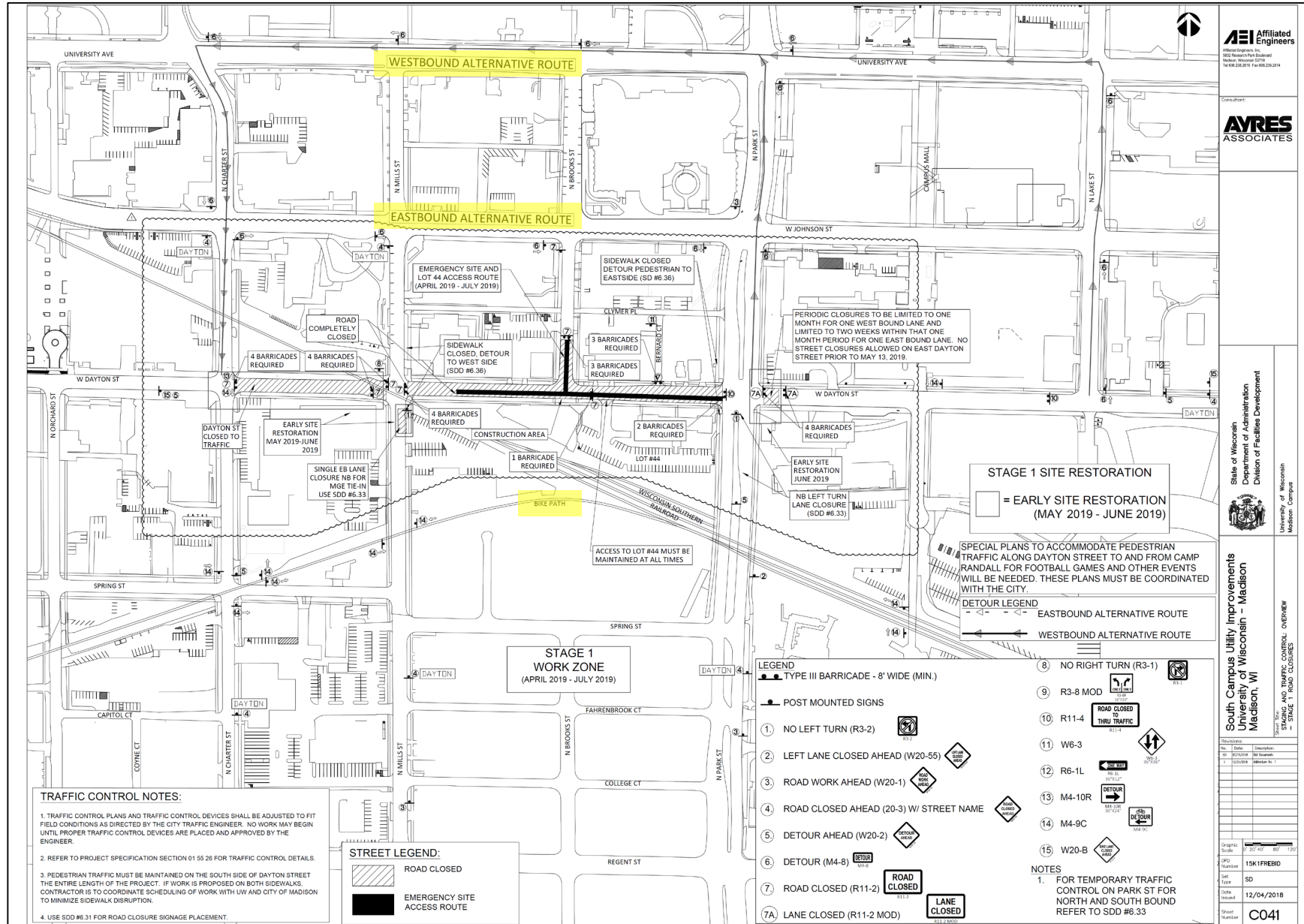


SHEET NOTES:
 - CONTRACTOR IS REQUIRED TO REPLACE SURFACES IN-KIND AFTER LEAVING AREA.

1 CONSTRUCTION STAGING PLAN
 SCALE: 1" = 40'



Phasing – Stage 1 (April – July)



AEI Affiliated Engineers
 Affiliated Engineers, Inc.
 4000 Regent Ave. Suite 200
 Madison, Wisconsin 53718
 608.263.2018 Fax 608.263.2114

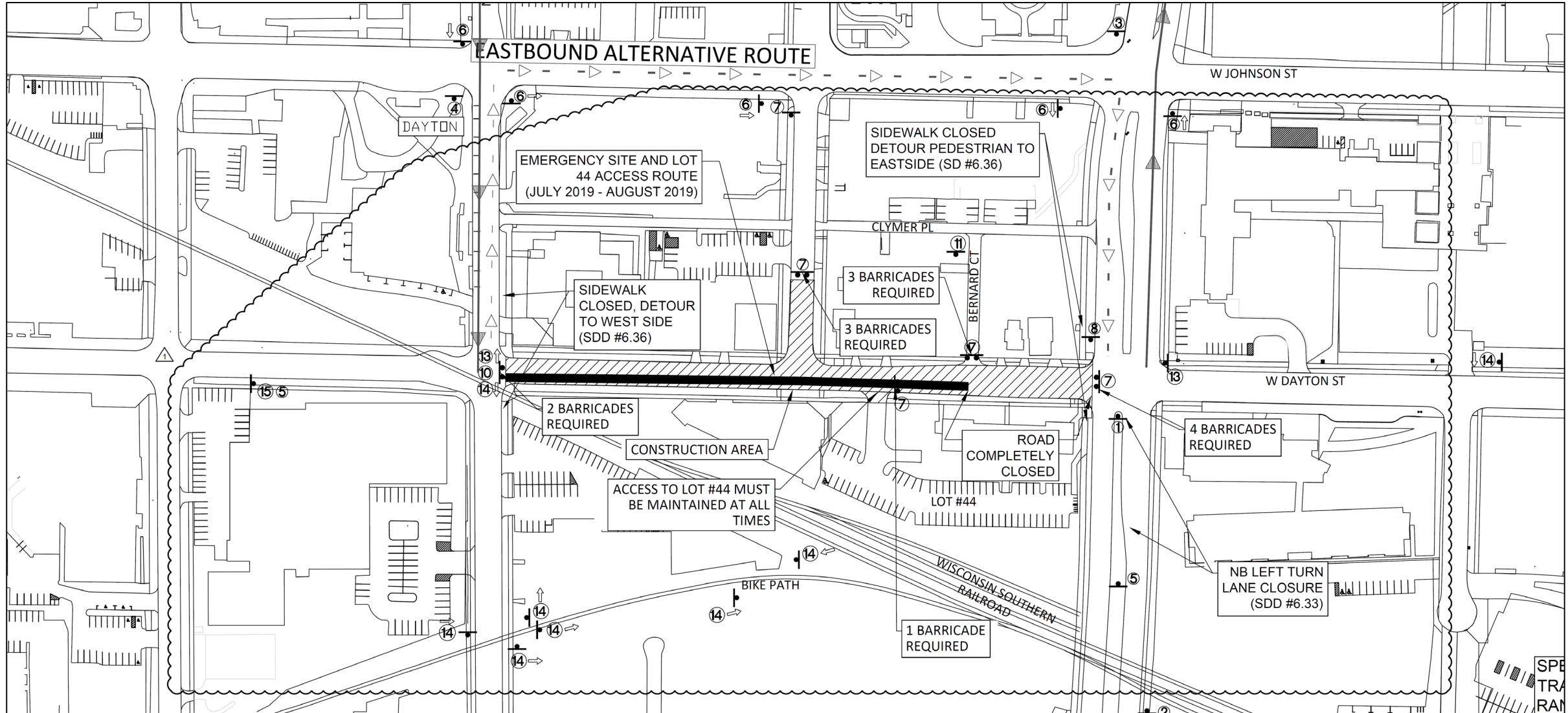
AVRES ASSOCIATES

State of Wisconsin
 Department of Administration
 Division of Facilities Development
 University of Wisconsin -
 Madison, Campus

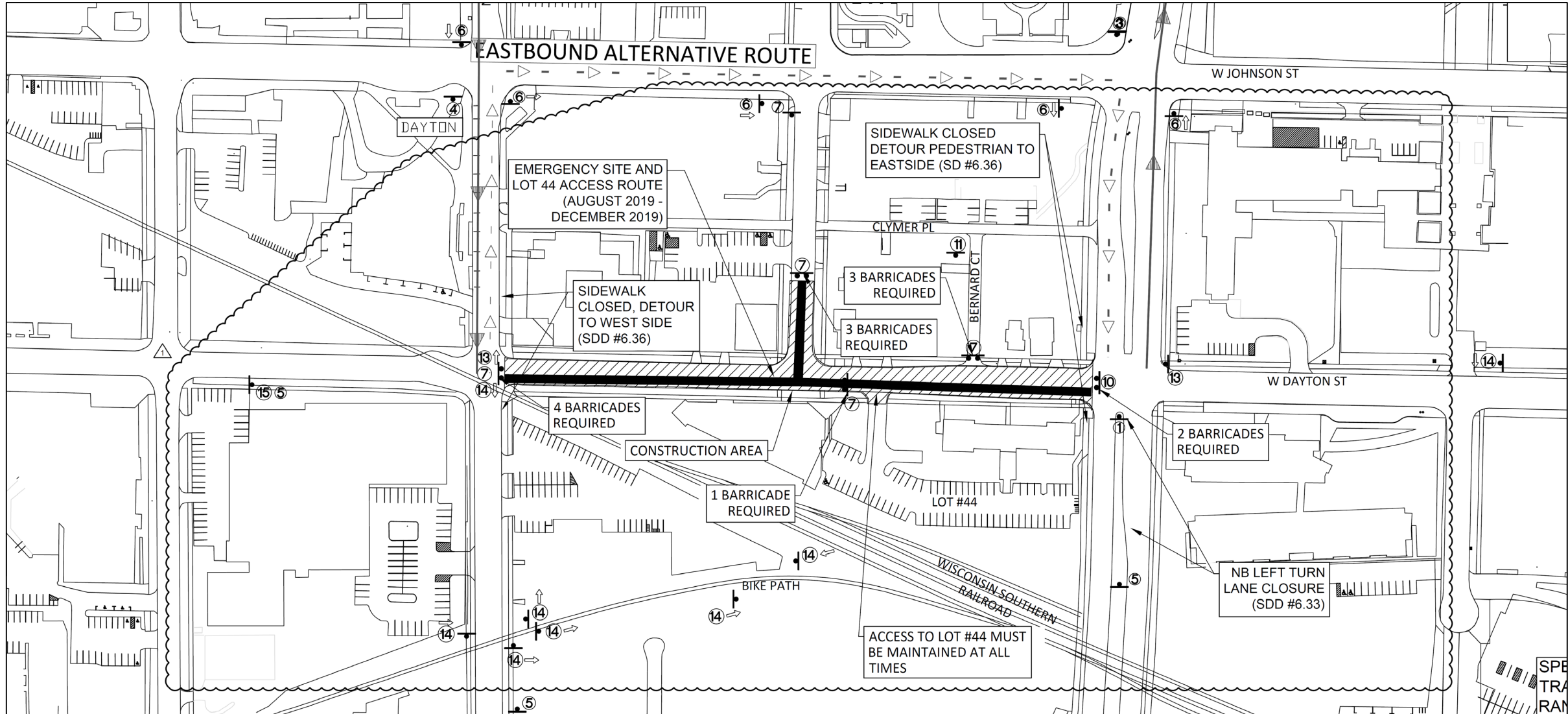
South Campus Utility Improvements
 University of Wisconsin - Madison
 Madison, WI

Project: 15K1FRBHD
 Date: 12/04/2018
 Scale: 15K1FRBHD
 Project Number: C041

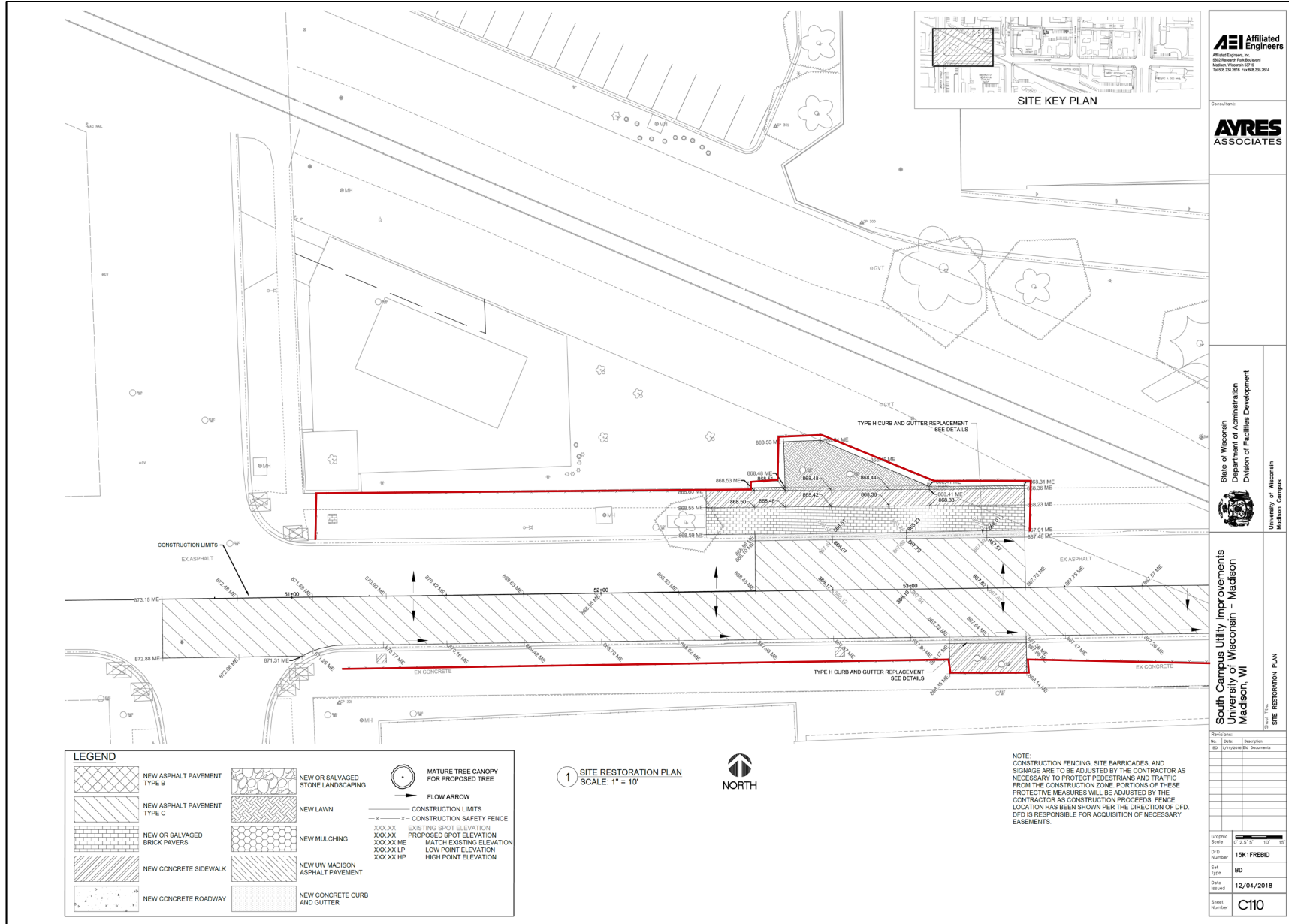
Phasing – Stage 2 (July – August)



Phasing – Stage 3 (August – December)



Site Restoration/Fencing



AEI Affiliated Engineers
 800 Research Park Boulevard
 Madison, Wisconsin 53706
 Tel: 608.226.2010 Fax: 608.226.2014

AYRES
 ASSOCIATES

State of Wisconsin
 Department of Administration
 Division of Facilities Development

University of Wisconsin - Madison
 Madison, Wisconsin

South Campus Utility Improvements
 University of Wisconsin - Madison
 Madison, WI

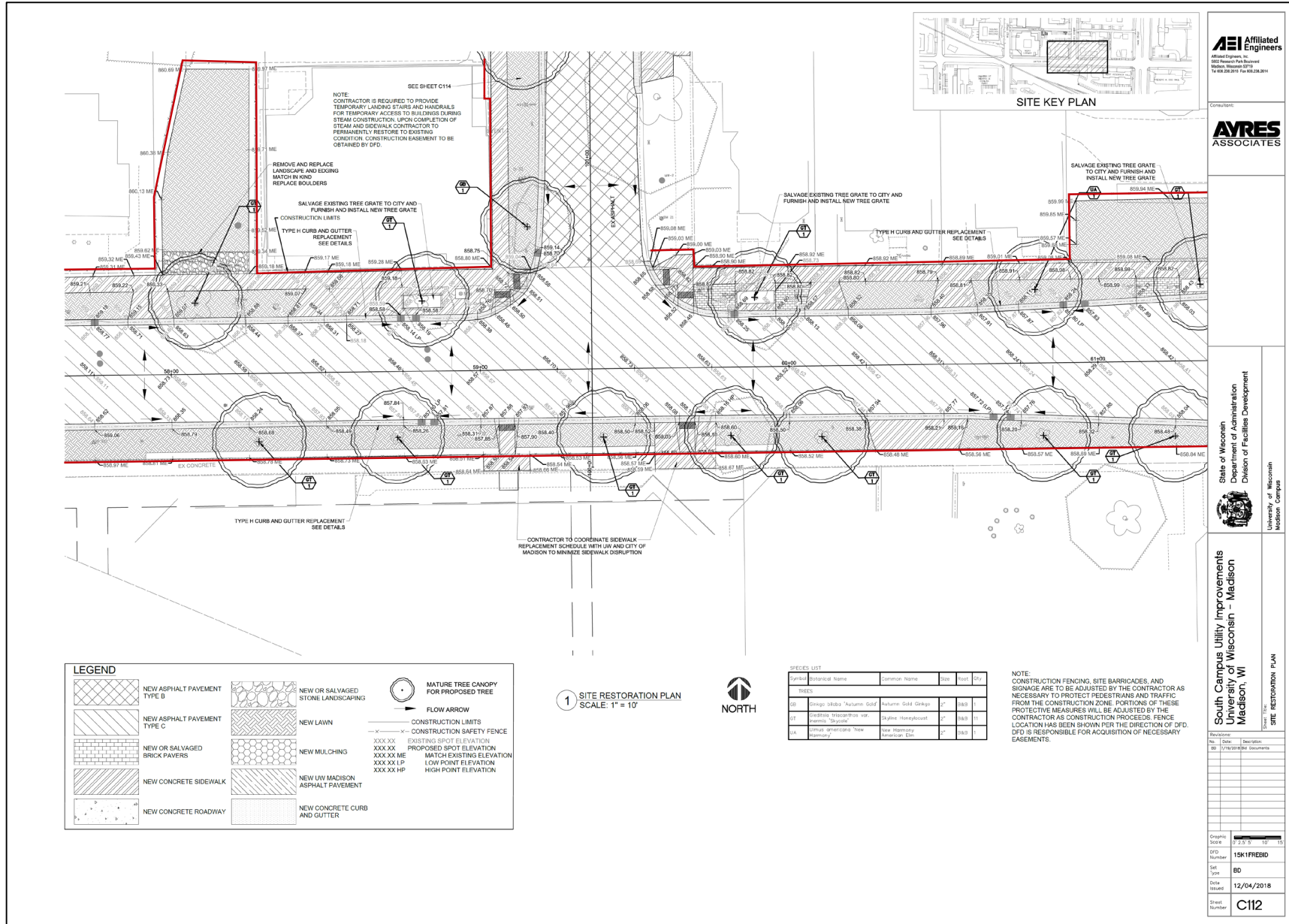
DATE: 12/04/2018
 SHEET: 15 OF 15
 TITLE: SITE RESTORATION PLAN

Revision	By	Date	Description
1	15K1/FREBID	12/04/2018	Issue for Construction

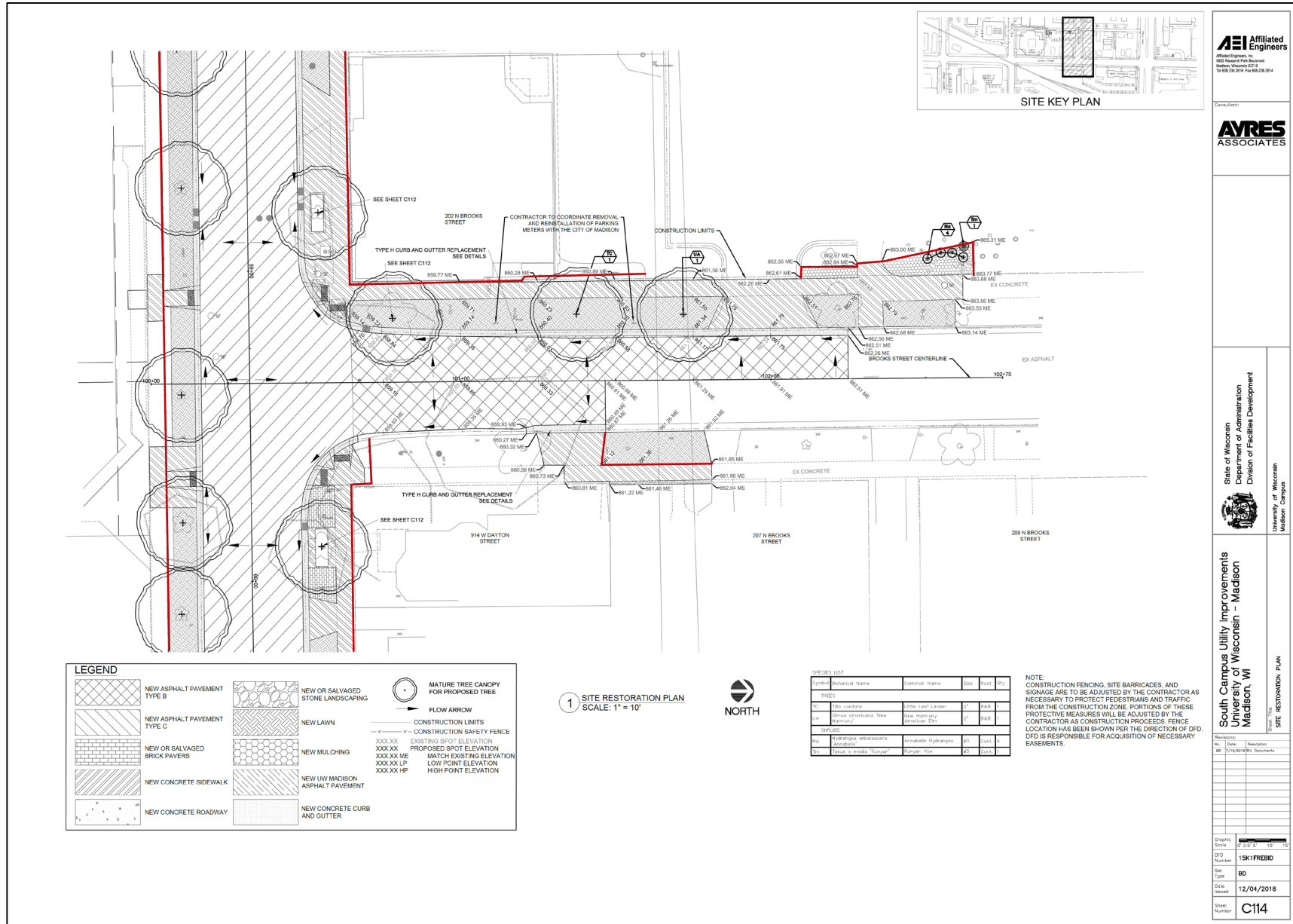
Graphic Scale: 0' 2.5' 5' 10' 15'

CD: 15K1/FREBID
 Number: 15K1/FREBID
 Title: BD
 Date Issued: 12/04/2018
 Sheet Number: C110

Site Restoration/Fencing



Site Restoration/Fencing





Q&A

