

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

#### INDEX OF SHEETS

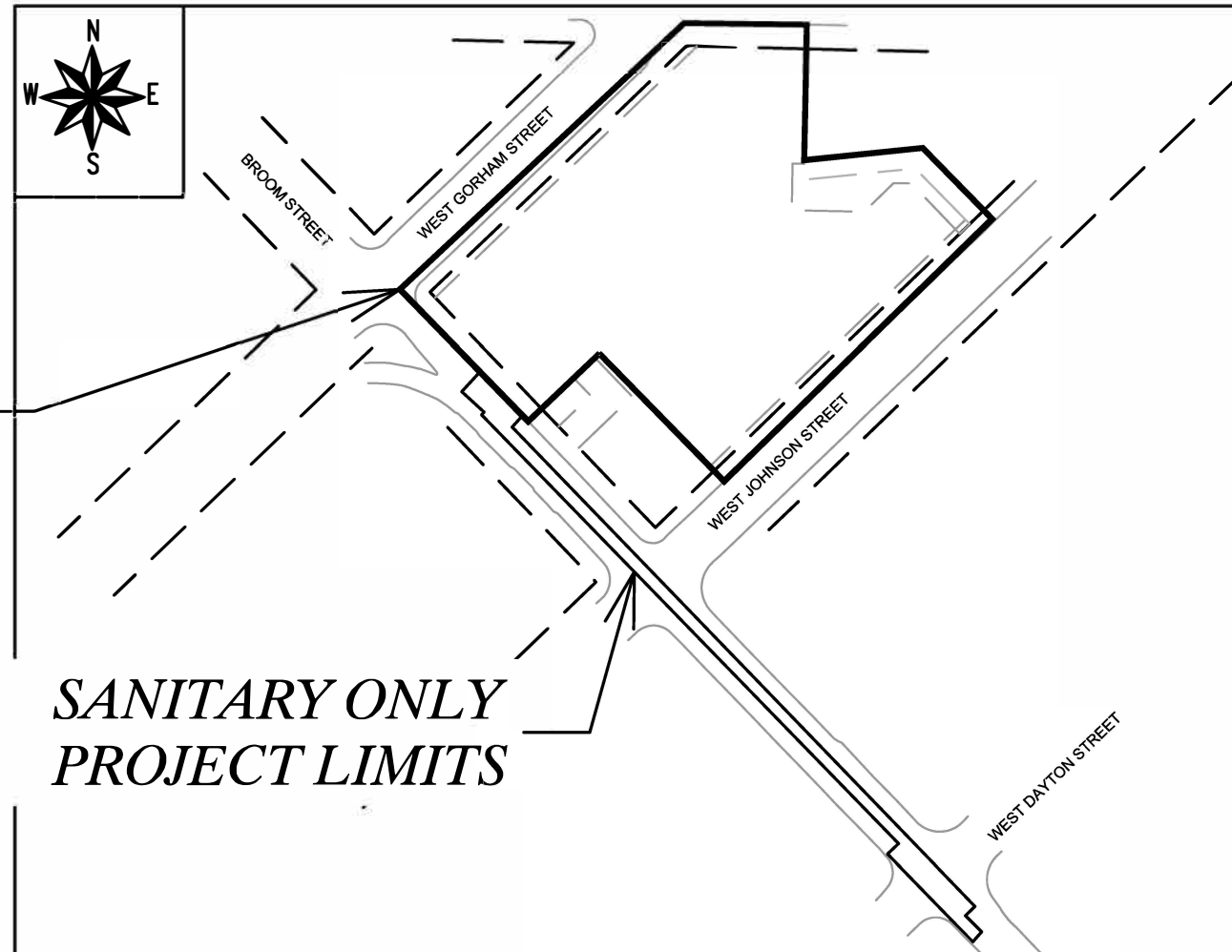
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**REVISION**  
 2/2/23 - P5, U1 UPDATED  
 4/4/23 - D-5 ADDED, P2-P4, AND X4-X10 UPDATED.

## 339 W. GORHAM STREET

CITY PROJECT NO. 14001  
CONTRACT NO. 9140

PROJECT  
LOCATION



SANITARY ONLY  
PROJECT LIMITS

WATER  
DESIGNED BY:

LATERAL  
ONLY

SANITARY SEWER  
DESIGNED BY:

SEE INDIVIDUAL  
SHEETS FOR  
STAMP

PUBLIC IMPROVEMENT PROJECT  
APPROVED

FEBRUARY 1, 2022

BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

*CV- Greg Friss* Oct 25, 2022

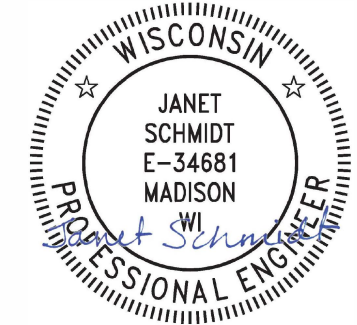
City Engineer Date

STREET GRADES  
DESIGNED BY:



Oct 31, 2022

STORM SEWER  
DESIGNED BY:



Oct 25, 2022

PLOT SCALE: 1"=0' = 1"=0" XREF

PLOT NAME: ---

REV. DATE: 9/29/2022 7:34 AM




ORIGINATOR: CITY\_OF\_MADISON

ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.

AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY (266-4816) PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: [HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM](https://www.cityofmadison.com/business/pw/specs.cfm)

DEVELOPER MUST SUBMIT A TRAFFIC CONTROL PLAN TO CITY TRAFFIC ENGINEERING AT LEAST 14 DAYS PRIOR TO THE START OF WORK. WORK SHALL NOT PROCEED UNTIL AN APPROVED TRAFFIC CONTROL PLAN IS IN PLACE.

CONTACT PROJECT ENGINEER AND STREET DESIGNER IKE OKAFOR AT [IOKAFOR@CITYOFMADISON.COM](mailto:IOKAFOR@CITYOFMADISON.COM) FOR CAD AND ALIGNMENT DATA PRIOR TO STAKING.

CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	—— G ——
STORM SEWER	—— ST ——
SANITARY SEWER	—— SN ——
WATER	—— W ——
BURIED ELECTRIC	—— E ——
OVERHEAD ELECTRIC	—— OH ——
POWER POLE	
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

UNDERDRAINS SHALL BE INSTALLED PER STANDARD DETAIL DRAWING 4.05 FOR 75' ON EACH SIDE OF THE LOW POINT, OR TO THE NEAREST CURB HIGH POINT. ALL UNDERDRAIN SHALL BE WRAPPED.

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADE OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL TYPICALLY BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.04. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

CURB STATION AND OFFSETS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS RIGHT-OF-WAY PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

ALL UTILITY VERIFICATIONS AND ACCURACY OF THE DRAWINGS ARE THE RESPONSIBILITY OF THE DEVELOPER. ANY CONFLICTS THAT ARISE FROM MISSING OR ERRONEOUS INFORMATION WILL BE AT THE EXPENSE OF THE DEVELOPER. NO PRECAST WILL BE APPROVED FOR STORM SEWER OR SANITARY SEWER UNTIL ALL POTENTIAL UTILITY CONFLICTS ARE RESOLVED.

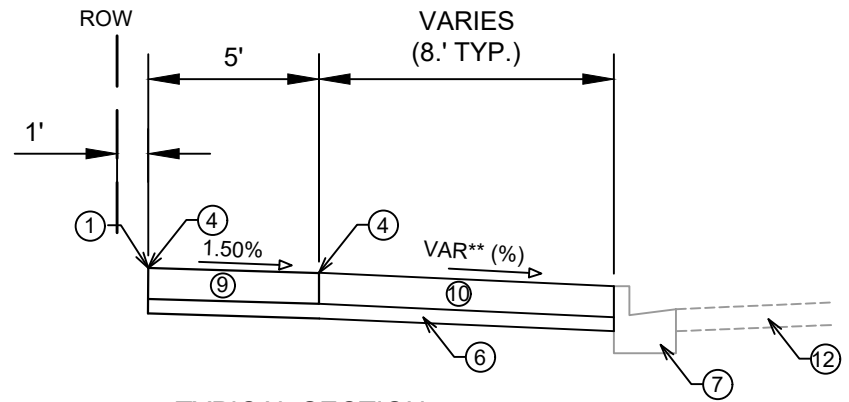
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Designed By: LMC			Scale: 1:5
			D-1

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MADISON, WI  
9140  
CONTRACT NO:

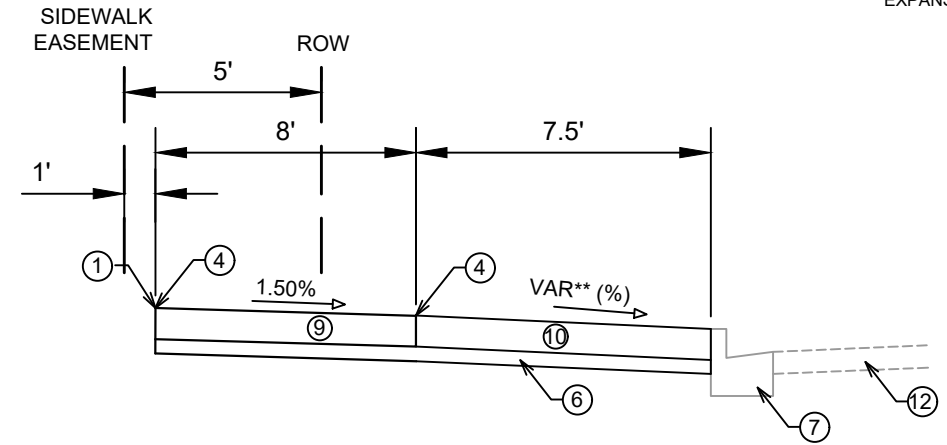
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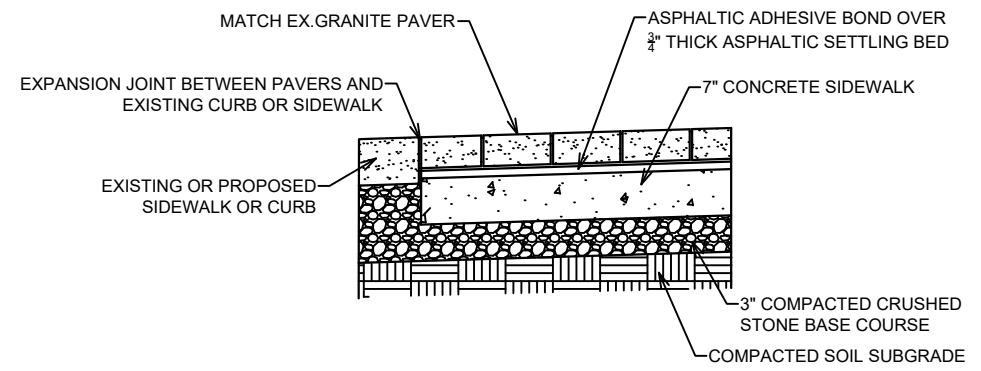
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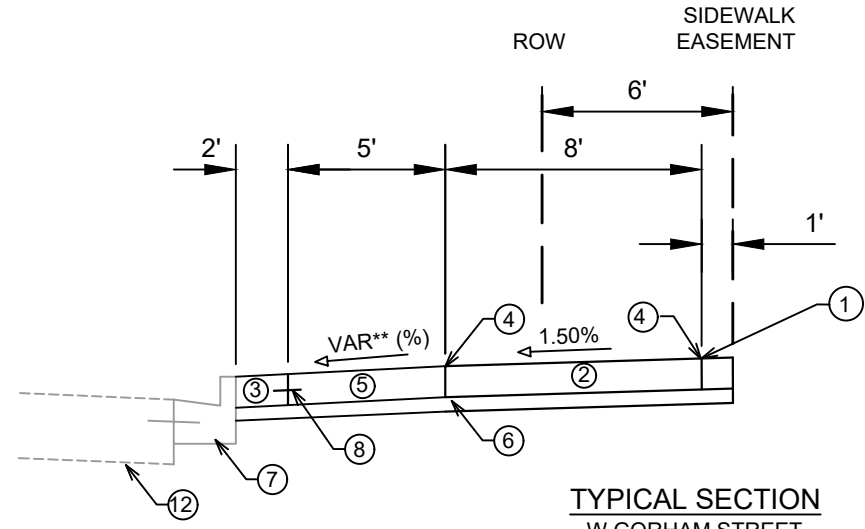
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N BROOM STREET  
STA 20+42 TO STA 21+69  
(NOT TO SCALE)



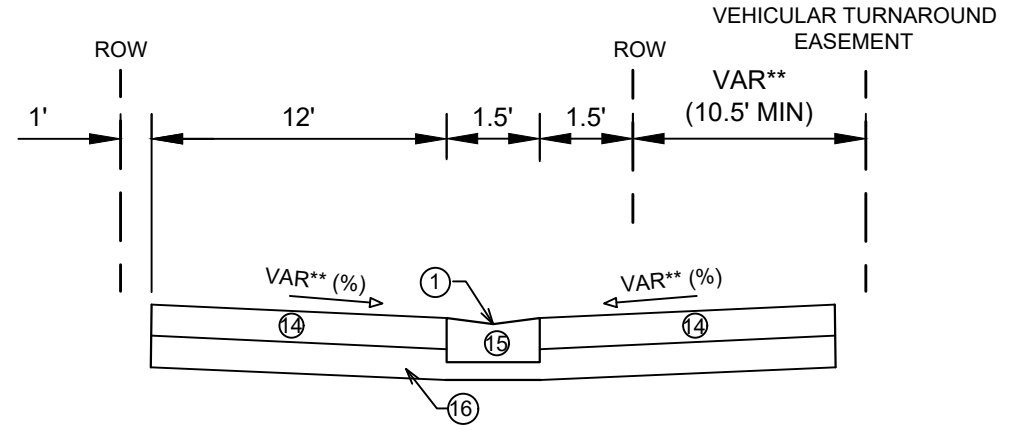
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W JOHNSON STREET  
STA 30+90 TO STA 32+90  
(NOT TO SCALE)



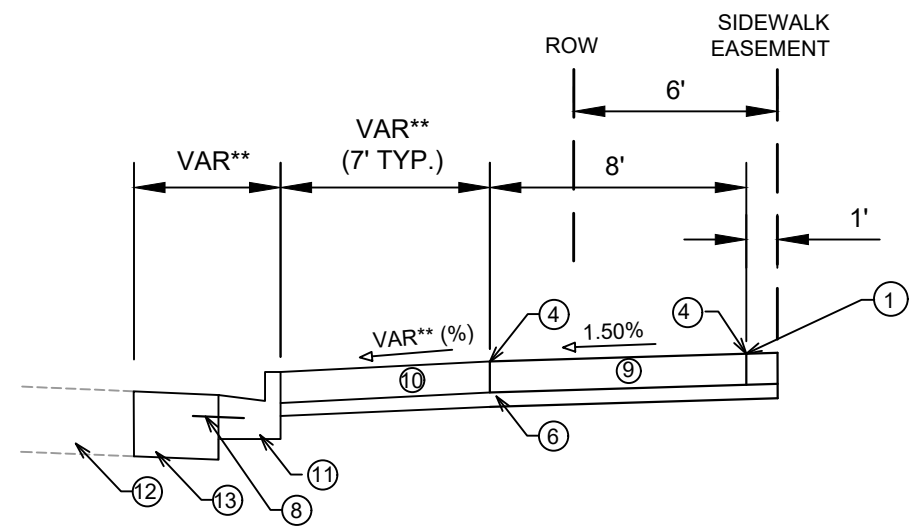
**PAVER DETAIL**  
STATE STREET  
(NOT TO SCALE)



**TYPICAL SECTION**  
W GORHAM STREET  
STA 30+90 TO STA 32+90  
(NOT TO SCALE)



**TYPICAL SECTION**  
W JOHNSON PUBLIC ALLEY  
(NOT TO SCALE)

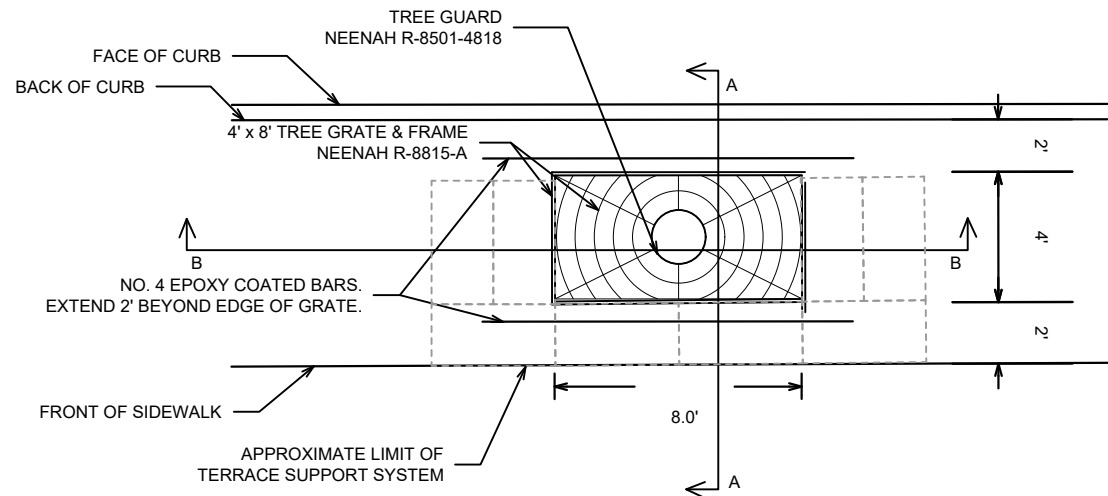


**TYPICAL SECTION**  
W GORHAM STREET  
STA 30+45 TO STA 30+90  
(NOT TO SCALE)

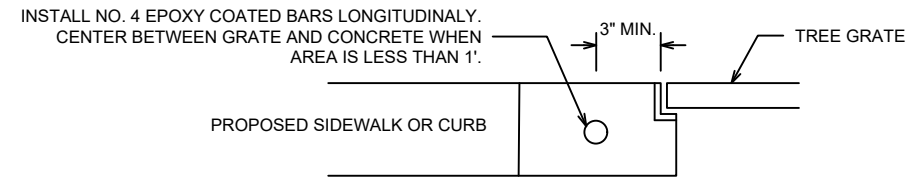
- ① POINT REFERRED TO ON PROFILE.
- ② 7" CONCRETE SIDEWALK\*
- ③ 7" CONCRETE BAND.
- ④ PLACE JOINT FILLER & JOINT SEALER.
- ⑤ 7" CONCRETE TERRACE\*
- ⑥ 3" SELECT FILL SIDEWALK BASE.
- ⑦ EX. TYPE 'A' CONCRETE CURB & GUTTER TO REMAIN
- ⑧ TIE BAR
- ⑨ 5" CONCRETE SIDEWALK.
- ⑩ 5" CONCRETE TERRACE.
- ⑪ NEW TYPE 'A' CONCRETE CURB AND GUTTER .
- ⑫ EX. PAVEMENT TO REMAIN.
- ⑬ REMOVE & REPLACE 10" CONCRETE PAVEMENT\*(SAWCUT AT JOINT)
- ⑭ 3 1/4" MIN. BITUMINOUS PAVEMENT
- ⑮ 18" V NOTCH ALLEY GUTTER
- ⑯ GRADATION 2 CRUSHED STONE BASE 4.25" MIN DEPTH UNDER THE ALLEY GUTTER AND 8" MIN UNDER ASPHALT.

**SPECIAL NOTES**  
\* CONCRETE SHALL BE C1 EXPOSED AGGREGATE CONCRETE WHERE SPECIFIED IN THE P SHEETS.  
\*\* SEE P & X SHEETS FOR SLOPES AND DIMENSIONS.

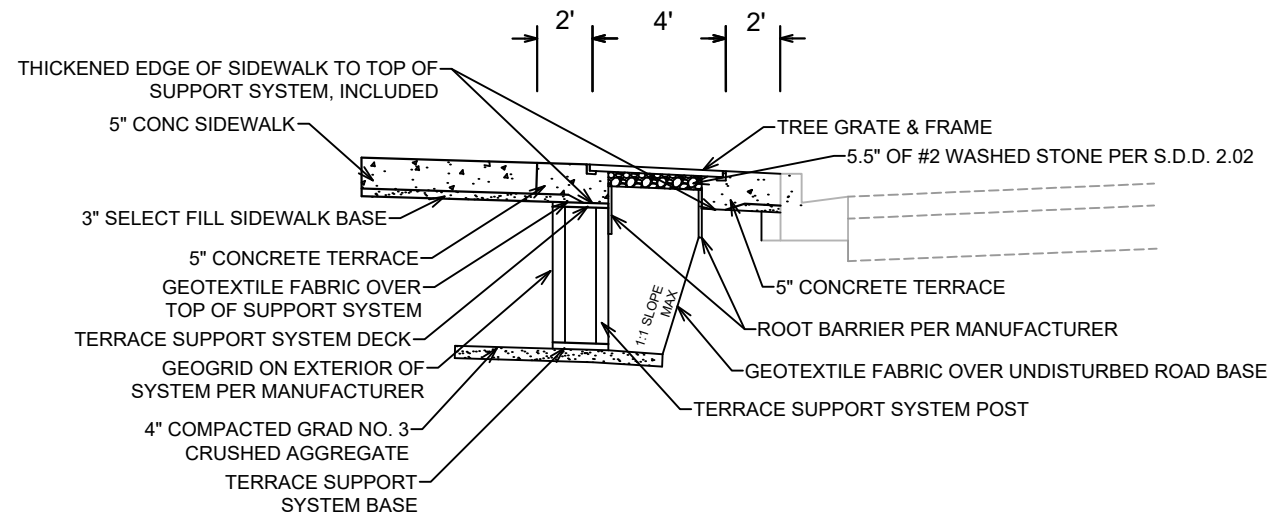
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TYPICAL SECTIONS 339 W GORHAM STREET <small>M:\DESIGN\Projects\14001\CAD\Streets\14001\EN-Details.dwg</small>			
14001		D-2	



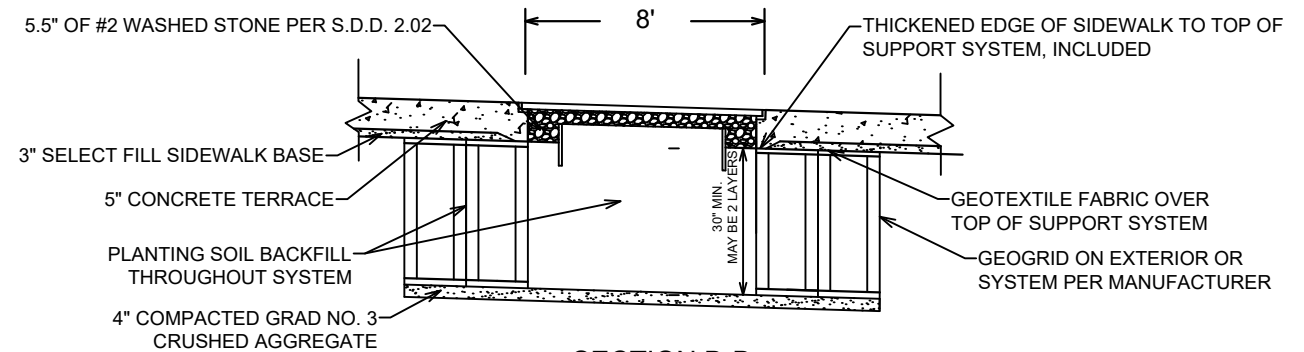
**PLAN VIEW**  
N BROOM STREET  
TREE GRATE INSTALLATION DETAIL  
(NOT TO SCALE)



**SECTION A-A**  
CONCRETE REINFORCING DETAIL  
FOR TREE GRATE  
(NOT TO SCALE)



**SECTION A-A**  
N BROOM STREET  
TERRACE SUPPORT SYSTEM DETAIL  
(NOT TO SCALE)



**SECTION B-B**  
N BROOM STREET  
TERRACE SUPPORT SYSTEM DETAIL  
(NOT TO SCALE)

**NOTES:**

- LOCATIONS OF TREES AND APPROXIMATE LIMITS OF TERRACES SUPPORT SYSTEM ARE SHOWN ON THE LANDSCAPING PLAN. THE FINAL LAYOUT OF THE SYSTEM IS DEPENDENT ON THE MANUFACTURER SELECTED BY THE DEVELOPER SHALL CONFIRM THE LAYOUT WITH THE ENGINEER & CITY FORESTRY PRIOR TO INSTALLATION.
- TERRACE SUPPORT SYSTEM SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS INCLUDING ALL FABRICS, GEOGRID, AND ROOT BARRIERS, MINIMUM DEPTH OF THE SYSTEM IS PROVIDED ON THE DETAIL, AND THIS MAY BE ACHIEVED IN A SINGLE LAYER OR TWO LAYERS. IN LOCATIONS OF SHALLOWER UTILITY CROSSING, THE DEPTH OF THE SYSTEM SHALL BE MODIFIED AS INDICATED ON THE LANDSCAPE PLAN.
- THE PERIMETER OF THE SYSTEM AT EACH PLANTING LOCATION SHALL BE ENCLOSED WITH A GEOGRID AND THE TOP SURFACE IS TO BE COVERED WITH A FABRIC THAT IS TO BE HELD IN PLACE WITH A THICKENED CONCRETE EDGE AS SHOWN ON THE DETAIL.
- BACKFILL THE ENTIRE SYSTEM WITH PLANTING SOIL TO WITHIN 5" OF THE BOTTOM OF THE TREE GRATE. ADD SOIL AS NECESSARY DURING THE TREE PLANTING PROCESS. THE REMAINING AREA IS TO BE TOPPED WITH WASHED STONE AS INDICATED IN THE STANDARD DETAIL DRAWING.
- CONTRACTOR MUST TAKE CAUTION DURING TERRACE EXCAVATION TO AVOID EXISTING ROAD BASE.
- THE DEVELOPER'S CONTRACTOR SHALL PROVIDE AND INSTALL THE DEEPROOT SILVA CELLS, GREENBLUE URBAN ROOTSPACE, OR APPROVED EQUAL, INSTALLATION SHALL BE ACCORDANCE TO THE MANUFACTURER'S REQUIREMENTS. THE OBJECTIVE OF INSTALLING THESE CELLS IS TO SUPPORT THE CONCRETE TERRACE, SIDEWALK AND TREE GRATES WHILE KEEPING BACKFILL MATERIAL WITHIN THE CELLS UNCOMPACTED TO PROVIDE A BETTER GROWING ENVIRONMENT FOR THE TREES.
- THE DEVELOPER SHALL SEND THE FINAL TERRACE SUPPORT LAYOUT & SPECIFICATIONS TO THE CITY PROJECT ENGINEER AT LEAST 14 DAYS BEFORE CONSTRUCTION.

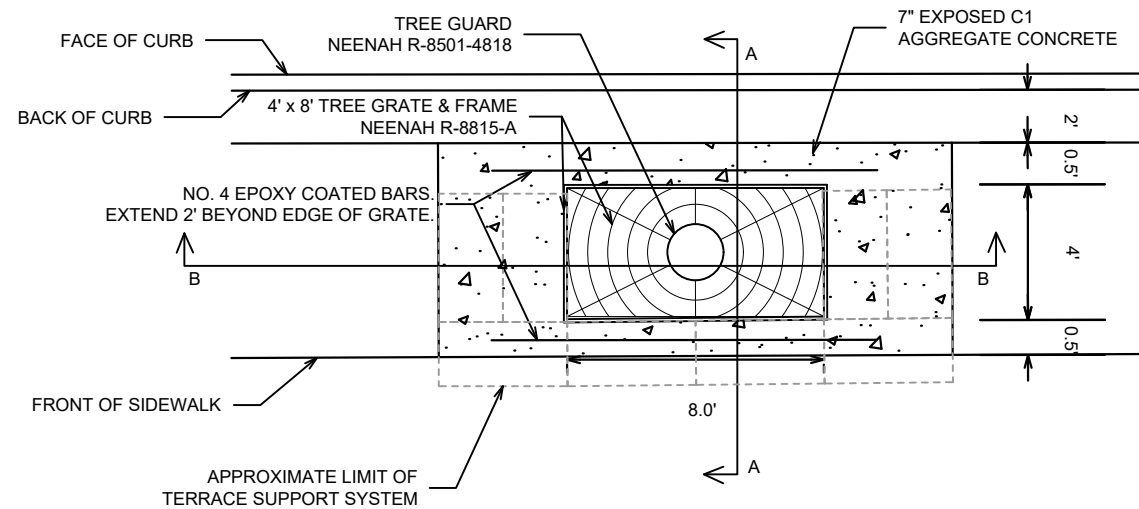
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REVISION	DATE
MARK	DATE
DESIGNED BY: LMC	DATE: 9/28/2022 4:04 PM
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MADISON, WI  
9140  
CONTRACT NO:

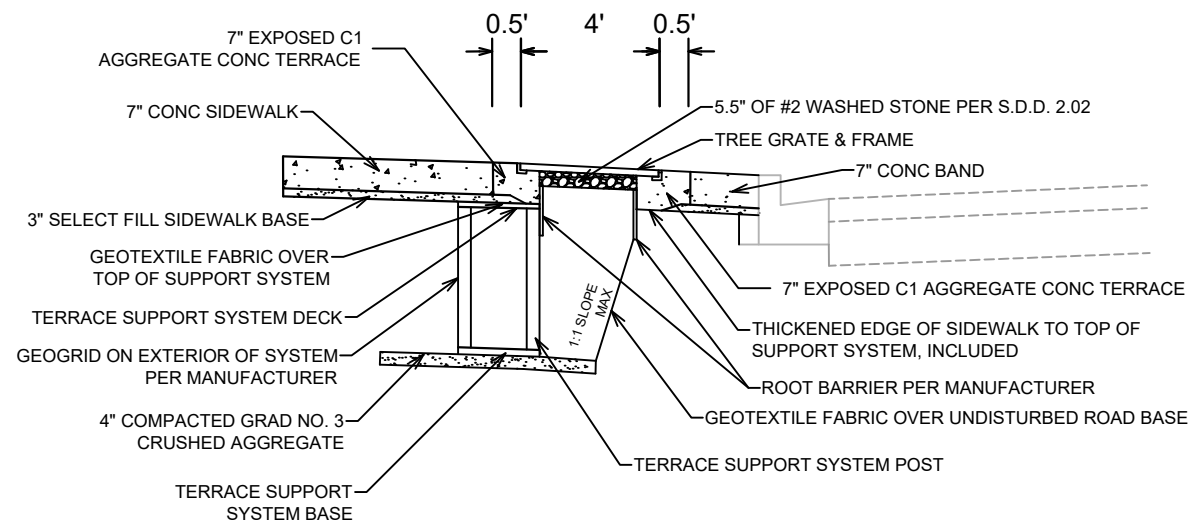
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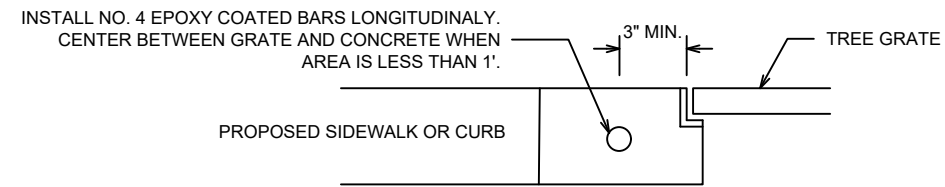
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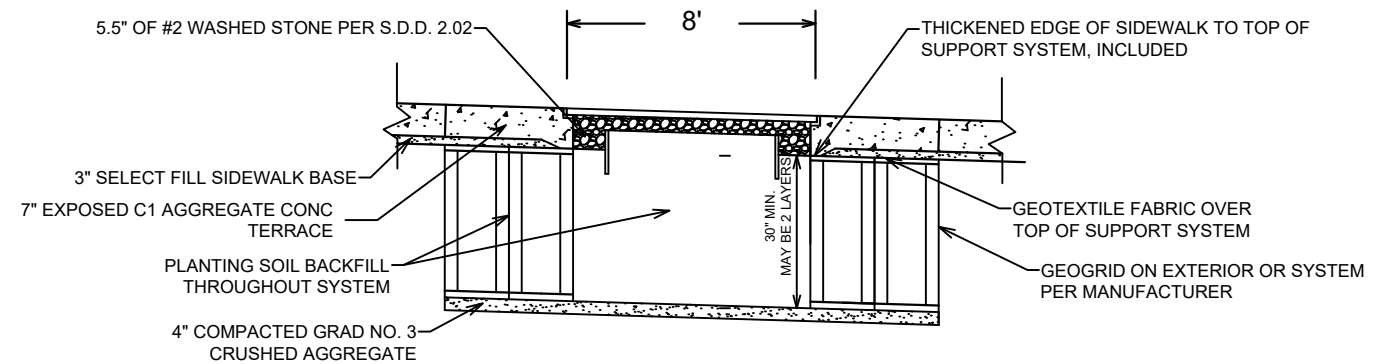
**PLAN VIEW**  
W GORHAM STREET  
TREE GRATE INSTALLATION DETAIL  
(NOT TO SCALE)



**SECTION A-A**  
W GORHAM STREET  
TERRACE SUPPORT SYSTEM DETAIL  
(NOT TO SCALE)



**SECTION A-A**  
CONCRETE REINFORCING DETAIL  
FOR TREE GRATE  
(NOT TO SCALE)



**SECTION B-B**  
W GORHAM STREET  
TERRACE SUPPORT SYSTEM DETAIL  
(NOT TO SCALE)

**NOTES:**

1. LOCATIONS OF TREES AND APPROXIMATE LIMITS OF TERRACES SUPPORT SYSTEM ARE SHOWN ON THE LANDSCAPING PLAN. THE FINAL LAYOUT OF THE SYSTEM IS DEPENDENT ON THE MANUFACTURER SELECTED BY THE DEVELOPER SHALL CONFIRM THE LAYOUT WITH THE ENGINEER & CITY FORESTRY PRIOR TO INSTALLATION.
2. TERRACE SUPPORT SYSTEM SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS INCLUDING ALL FABRICS, GEOGRID, AND ROOT BARRIERS, MINIMUM DEPTH OF THE SYSTEM IS PROVIDED ON THE DETAIL, AND THIS MAY BE ACHIEVED IN A SINGLE LAYER OR TWO LAYERS. IN LOCATIONS OF SHALLOWER UTILITY CROSSING, THE DEPTH OF THE SYSTEM SHALL BE MODIFIED AS INDICATED ON THE LANDSCAPE PLAN.
3. THE PERIMETER OF THE SYSTEM AT EACH PLANTING LOCATION SHALL BE ENCLOSED WITH A GEOGRID AND THE TOP SURFACE IS TO BE COVERED WITH A FABRIC THAT IS TO BE HELD IN PLACE WITHA THICKENED CONCRETE EDGE AS SHOWN ON THE DETAIL.
4. BACKFILL THE ENTIRE SYSTEM WITH PLANTING SOIL TO WITHIN 5" OF THE BOTTOM OF THE TREE GRATE. ADD SOIL AS NECESSARY DURING THE TREE PLANTING PROCESS. THE REMAINING AREA IS TO BE TOPPED WITH WASHED STONE AS INDICATED IN THE STANDARD DETAIL DRAWING.
5. CONTRACTOR MUST TAKE CAUTION DURING TERRACE EXCAVATION TO AVOID EXISTING ROAD BASE.
6. THE DEVELOPER'S CONTRACTOR SHALL PROVIDE AND INSTALL THE DEEPROOT SILVA CELLS, GREENBLUE URBAN ROOTSPACE, OR APPROVED EQUAL, INSTALLATION SHALL BE ACCORDANCE TO THE MANUFACTURER'S REQUIREMENTS. THE OBJECTIVE OF INSTALLING THESE CELLS IS TO SUPPORT THE CONCRETE TERRACE, SIDEWALK AND TREE GRATES WHILE KEEPING BACKFILL MATERIAL WITHIN THE CELLS UNCOMPACTED TO PROVIDE A BETTER GROWING ENVIRONMENT FOR THE TREES.
7. THE DEVELOPER SHALL SEND THE FINAL TERRACE SUPPORT LAYOUT & SPECIFICATIONS TO THE CITY PROJECT ENGINEER AT LEAST 14 DAYS BEFORE CONSTRUCTION.

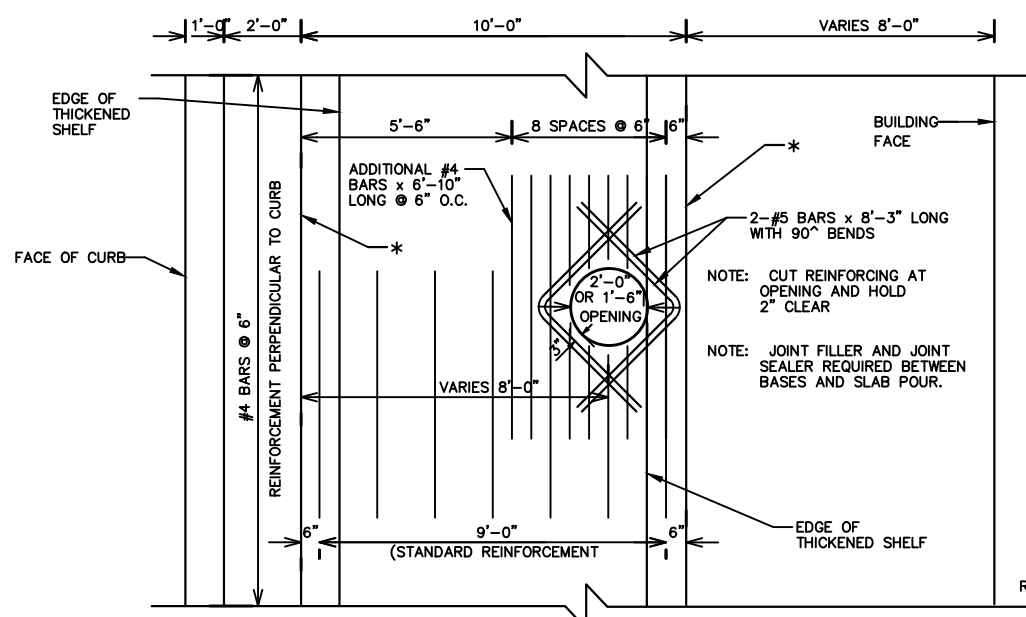
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MARK	14001

14001  
MADISON, WI  
9140  
CONTRACT NO:

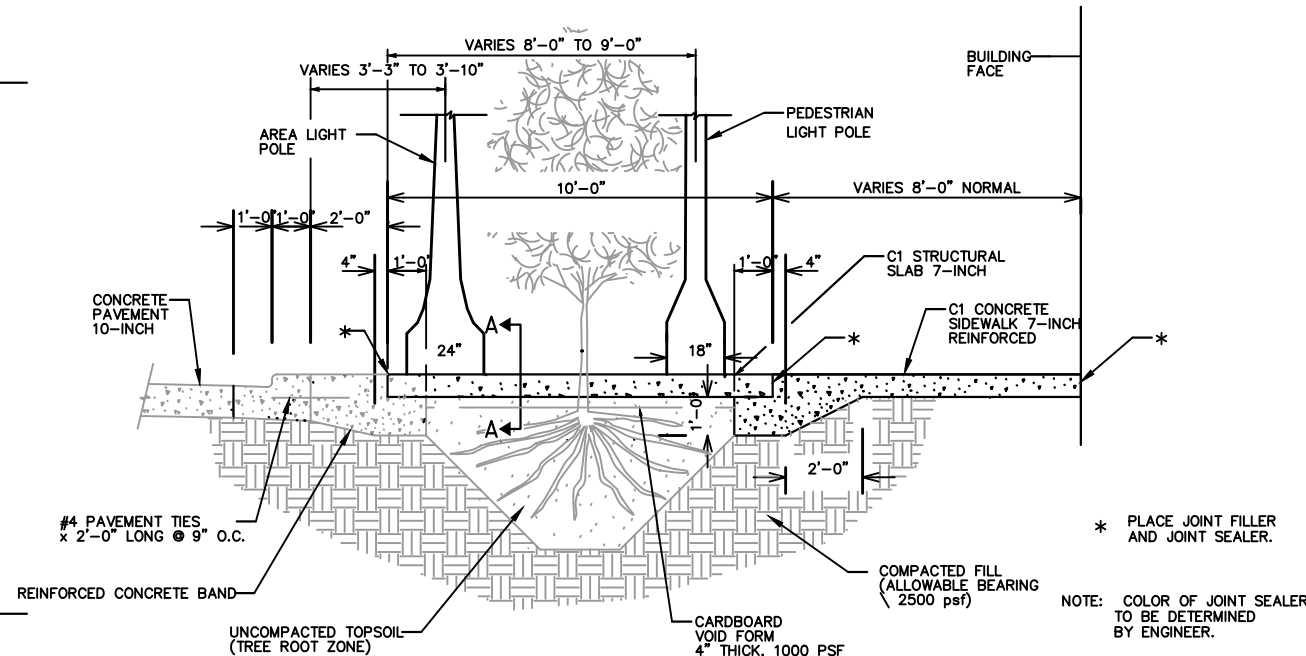
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339 W GORHAM STREET  
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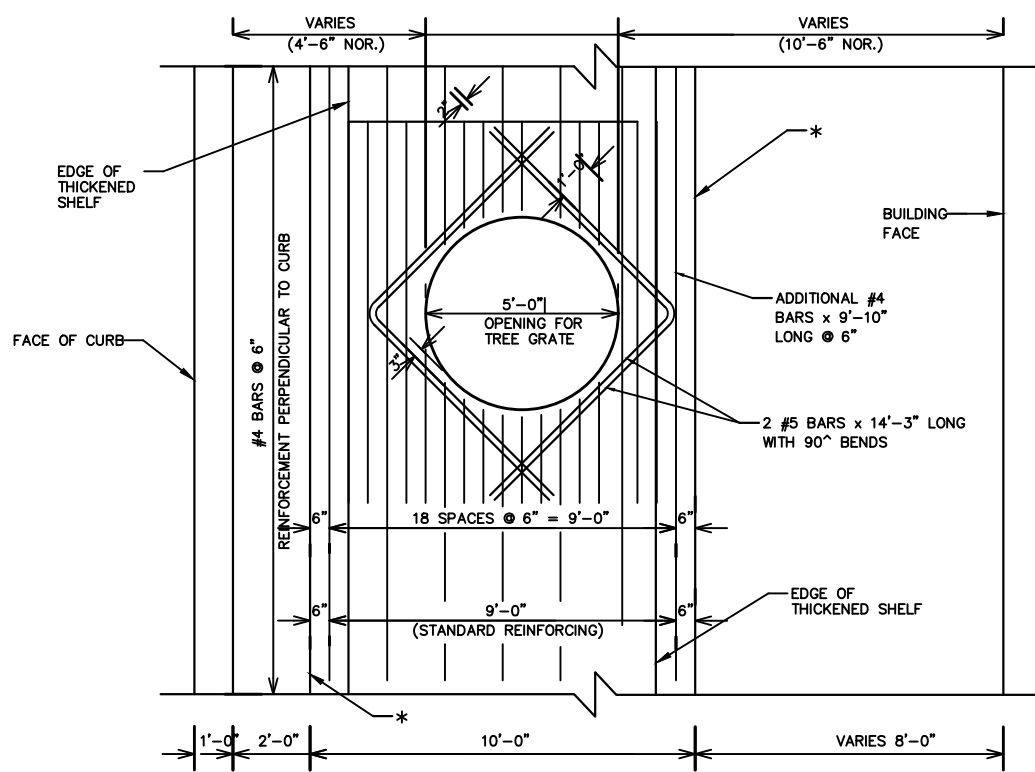
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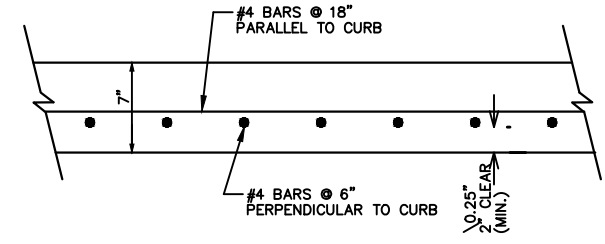
REINFORCEMENT PLAN - LIGHT BASE OPENINGS



ROOT ZONE DETAIL



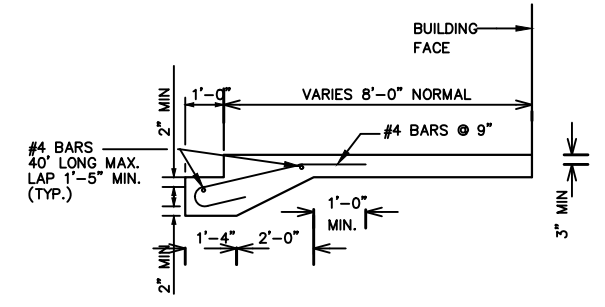
REINFORCEMENT PLAN - TREE OPENINGS



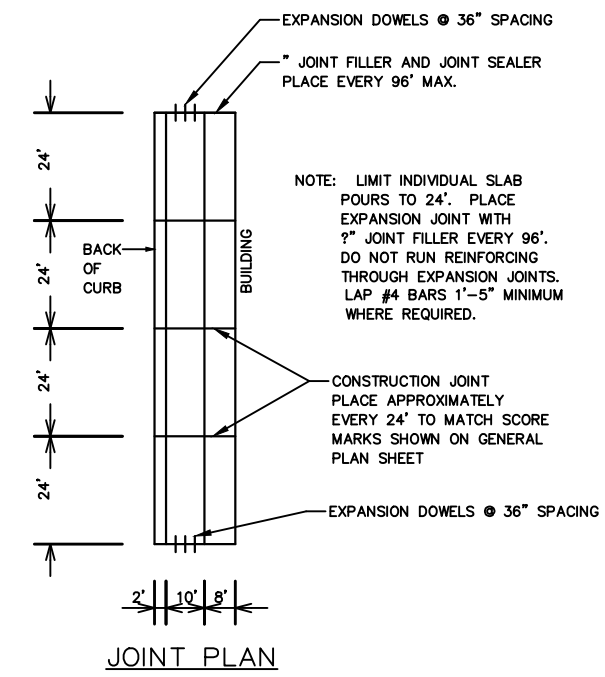
SECTION A - C1 STRUCTURAL SLAB 7-INCH REINFORCEMENT

NOTE: THIS CONFIGURATION MAY BE REPLACED AT THE CONTRACTOR'S DISCRETION BY WELDED WIRE FABRIC MESH HAVING AN EQUIVALENT OR GREATER AREA OF STEEL IN EACH DIRECTION. IN THAT CASE, ADDITIONAL BARS MUST BE ADDED AT SLAB OPENINGS AS SHOWN IN REINFORCEMENT PLAN DETAILS

- POSSIBLE EQUIVALENT MESH CONFIGURATIONS INCLUDE:
- WWF 6x12 W18xW14; - WWF 6x6 W18xW6;
  - WWF 6x18 W18xW18; - WWF 9x18 W26xW18



C1 CONCRETE SIDEWALK 7-INCH REINFORCED REINFORCEMENT

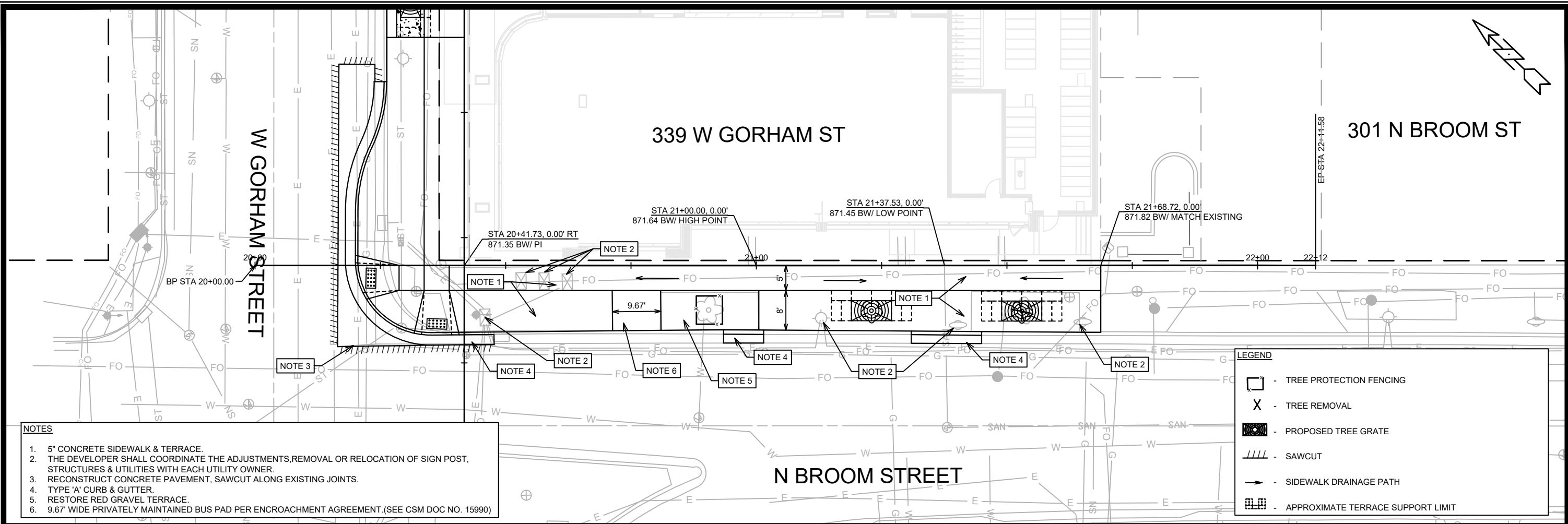


JOINT PLAN

DATE	BY
REVISION	SCALE
DESIGNED BY: LMC	DATE: 4/7/2023 10:50 AM
MARK	14001
CONTRACT NO:	9140
PROJECT NO:	14001
PROJECT NAME:	MADISON, WI
PROJECT ADDRESS:	339 W GORHAM STREET
PROJECT DESCRIPTION:	TYPICAL SECTIONS - STATE STREET SIDEWALK & TERRACE
PROJECT LOCATION:	MADISON, WI
PROJECT NUMBER:	14001
PROJECT DATE:	4/7/2023
PROJECT TIME:	10:50 AM
PROJECT STATUS:	Custom
PROJECT TYPE:	D-5

14001  
MADISON, WI  
339 W GORHAM STREET  
TYPICAL SECTIONS - STATE STREET SIDEWALK & TERRACE  
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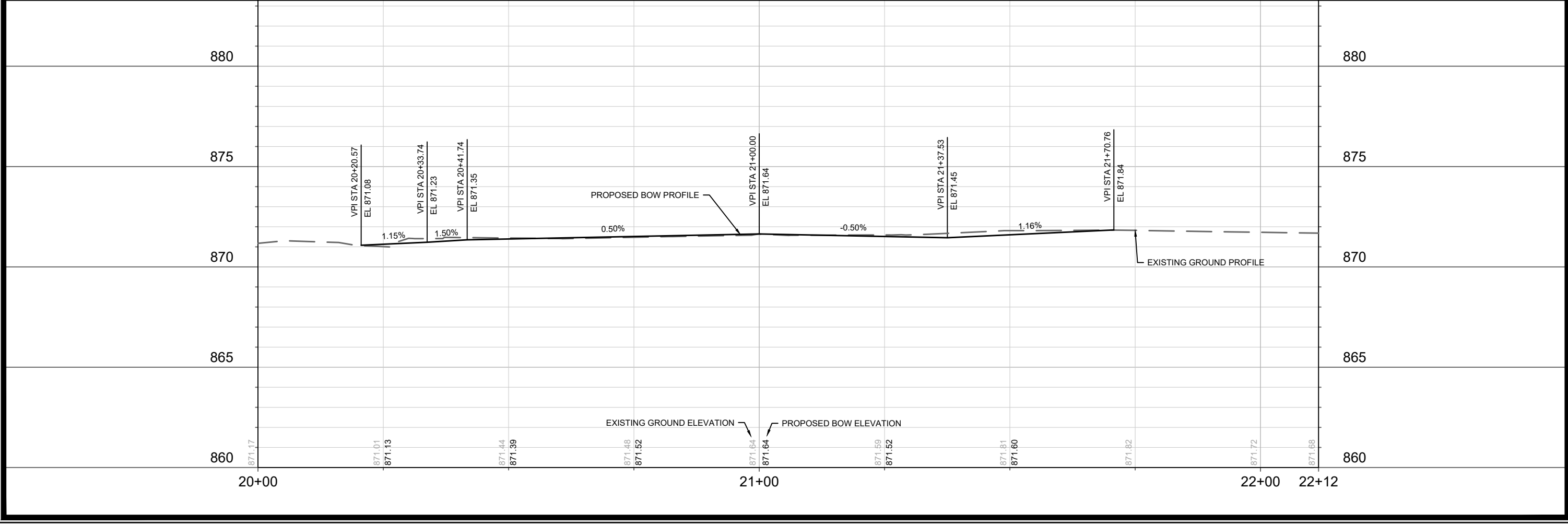




- NOTES**
- 5" CONCRETE SIDEWALK & TERRACE.
  - THE DEVELOPER SHALL COORDINATE THE ADJUSTMENTS, REMOVAL OR RELOCATION OF SIGN POST, STRUCTURES & UTILITIES WITH EACH UTILITY OWNER.
  - RECONSTRUCT CONCRETE PAVEMENT, SAWCUT ALONG EXISTING JOINTS.
  - TYPE 'A' CURB & GUTTER.
  - RESTORE RED GRAVEL TERRACE.
  - 9.67' WIDE PRIVATELY MAINTAINED BUS PAD PER ENCROACHMENT AGREEMENT. (SEE CSM DOC NO. 15990)

**LEGEND**

- TREE PROTECTION FENCING
- TREE REMOVAL
- PROPOSED TREE GRATE
- SAWCUT
- SIDEWALK DRAINAGE PATH
- APPROXIMATE TERRACE SUPPORT LIMIT



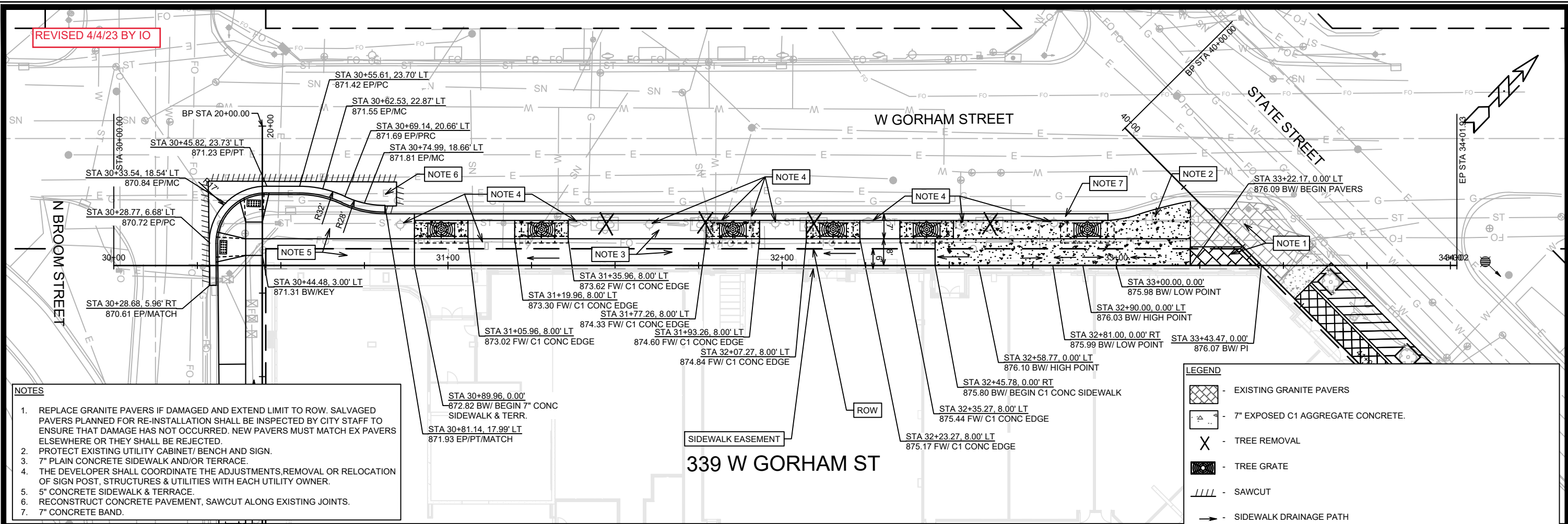
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MADISON, WI  
9140  
CONTRACT NO:

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P-1

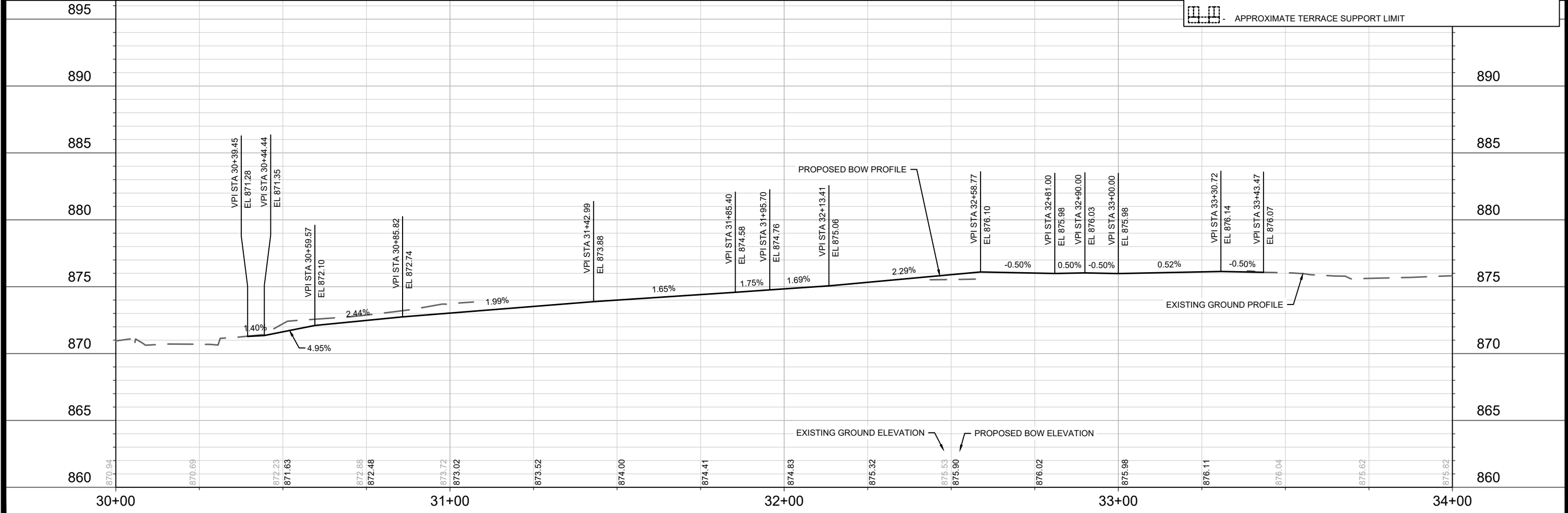
REVISED 4/4/23 BY IO



- NOTES**
1. REPLACE GRANITE PAVERS IF DAMAGED AND EXTEND LIMIT TO ROW. SALVAGED PAVERS PLANNED FOR RE-INSTALLATION SHALL BE INSPECTED BY CITY STAFF TO ENSURE THAT DAMAGE HAS NOT OCCURRED. NEW PAVERS MUST MATCH EX PAVERS ELSEWHERE OR THEY SHALL BE REJECTED.
  2. PROTECT EXISTING UTILITY CABINET/ BENCH AND SIGN.
  3. 7" PLAIN CONCRETE SIDEWALK AND/OR TERRACE.
  4. THE DEVELOPER SHALL COORDINATE THE ADJUSTMENTS, REMOVAL OR RELOCATION OF SIGN POST, STRUCTURES & UTILITIES WITH EACH UTILITY OWNER.
  5. 5" CONCRETE SIDEWALK & TERRACE.
  6. RECONSTRUCT CONCRETE PAVEMENT, SAWCUT ALONG EXISTING JOINTS.
  7. 7" CONCRETE BAND.

**LEGEND**

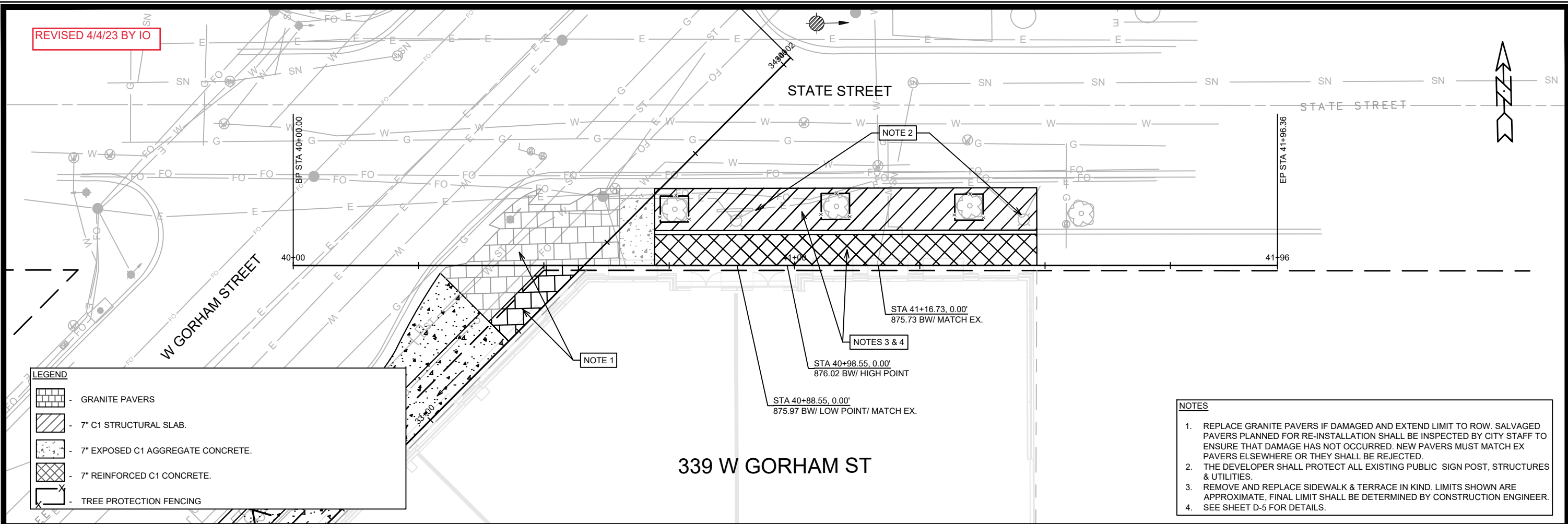
- [Pattern] - EXISTING GRANITE PAVERS
- [Pattern] - 7" EXPOSED C1 AGGREGATE CONCRETE.
- [X] - TREE REMOVAL
- [Symbol] - TREE GRATE
- [Line] - SAWCUT
- [Arrow] - SIDEWALK DRAINAGE PATH
- [Symbol] - APPROXIMATE TERRACE SUPPORT LIMIT



REV#	4/4/23	DATE	BY
MARK		REVISION	
DESIGNED BY	LMC	DATE	8/17/2023 12:12 PM
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PROJECT NO.	14001		
CITY	MADISON, WI		
CONTRACT NO.	9140		
PROJECT NAME	STREET PLAN AND PROFILE - W GORHAM STREET		
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PROJECT ID	14001		
PROJECT NAME	339 W GORHAM STREET		
PROJECT ID	14001		
PROJECT NAME	P-2		



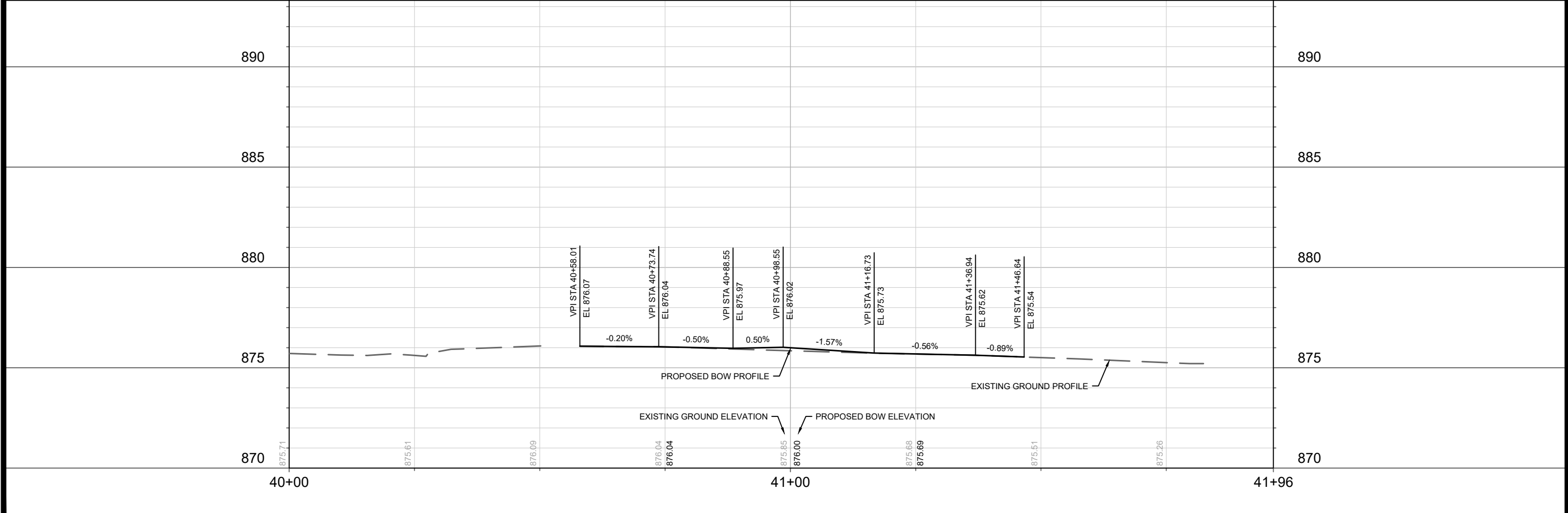
REVISED 4/4/23 BY IO



**LEGEND**

- GRANITE PAVERS
- 7" C1 STRUCTURAL SLAB.
- 7" EXPOSED C1 AGGREGATE CONCRETE.
- 7" REINFORCED C1 CONCRETE.
- TREE PROTECTION FENCING

- NOTES**
1. REPLACE GRANITE PAVERS IF DAMAGED AND EXTEND LIMIT TO ROW. SALVAGED PAVERS PLANNED FOR RE-INSTALLATION SHALL BE INSPECTED BY CITY STAFF TO ENSURE THAT DAMAGE HAS NOT OCCURRED. NEW PAVERS MUST MATCH EX PAVERS ELSEWHERE OR THEY SHALL BE REJECTED.
  2. THE DEVELOPER SHALL PROTECT ALL EXISTING PUBLIC SIGN POST, STRUCTURES & UTILITIES.
  3. REMOVE AND REPLACE SIDEWALK & TERRACE IN KIND. LIMITS SHOWN ARE APPROXIMATE, FINAL LIMIT SHALL BE DETERMINED BY CONSTRUCTION ENGINEER.
  4. SEE SHEET D-5 FOR DETAILS.



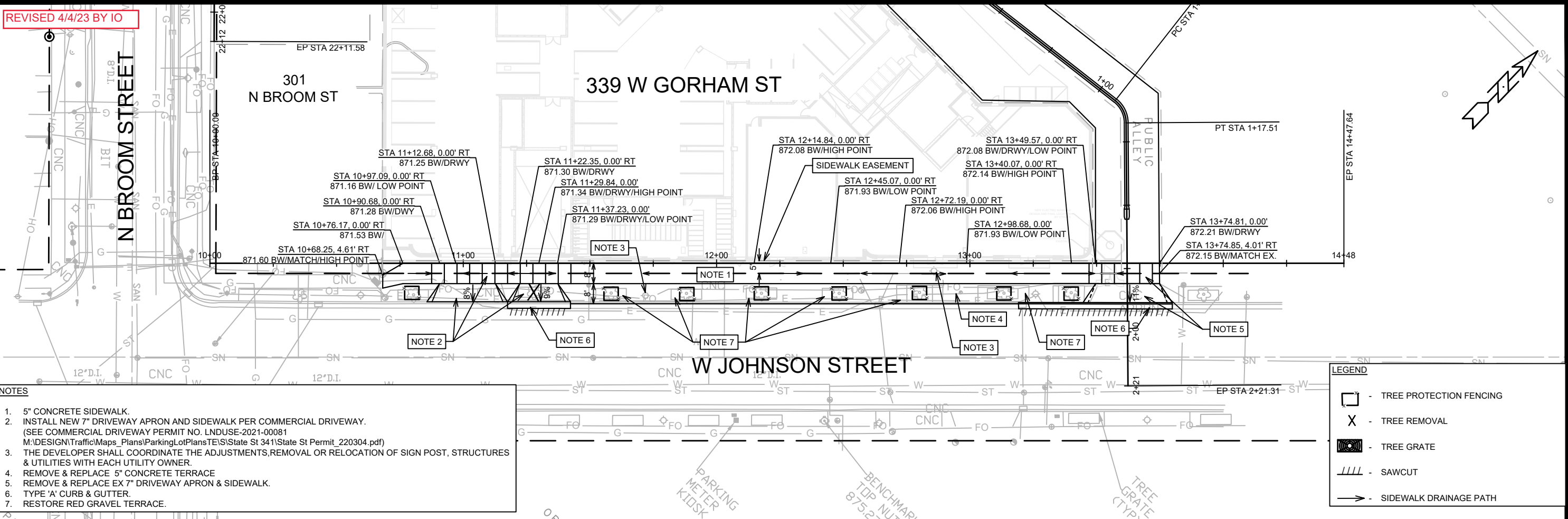
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MADISON, WI  
9140  
CONTRACT NO:

STREET PLAN AND PROFILE - STATE STREET  
339 W GORHAM STREET  
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P-3

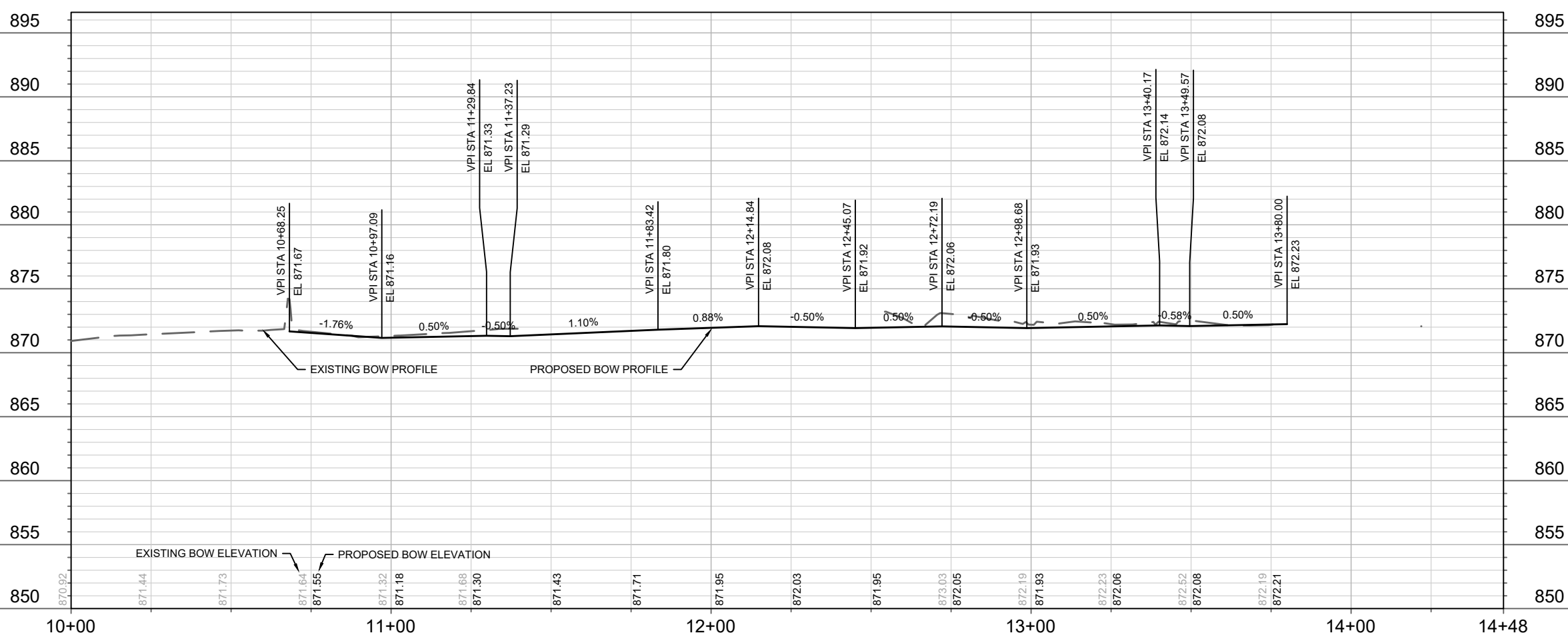
REVISED 4/4/23 BY IO



- NOTES**
- 5" CONCRETE SIDEWALK.
  - INSTALL NEW 7" DRIVEWAY APRON AND SIDEWALK PER COMMERCIAL DRIVEWAY. (SEE COMMERCIAL DRIVEWAY PERMIT NO. LNDUSE-2021-00081 M:\DESIGN\TrafficMaps\_Plans\ParkingLotPlans\EL\State St 341\State St Permit\_220304.pdf)
  - THE DEVELOPER SHALL COORDINATE THE ADJUSTMENTS, REMOVAL OR RELOCATION OF SIGN POST, STRUCTURES & UTILITIES WITH EACH UTILITY OWNER.
  - REMOVE & REPLACE 5" CONCRETE TERRACE
  - REMOVE & REPLACE EX 7" DRIVEWAY APRON & SIDEWALK.
  - TYPE 'A' CURB & GUTTER.
  - RESTORE RED GRAVEL TERRACE.

**LEGEND**

- TREE PROTECTION FENCING
- TREE REMOVAL
- TREE GRATE
- SAWCUT
- SIDEWALK DRAINAGE PATH



REV#	DATE	BY
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MARK	REVISION	SCALE
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Designed By: LMC Date: 8/17/2023 12:08 PM		

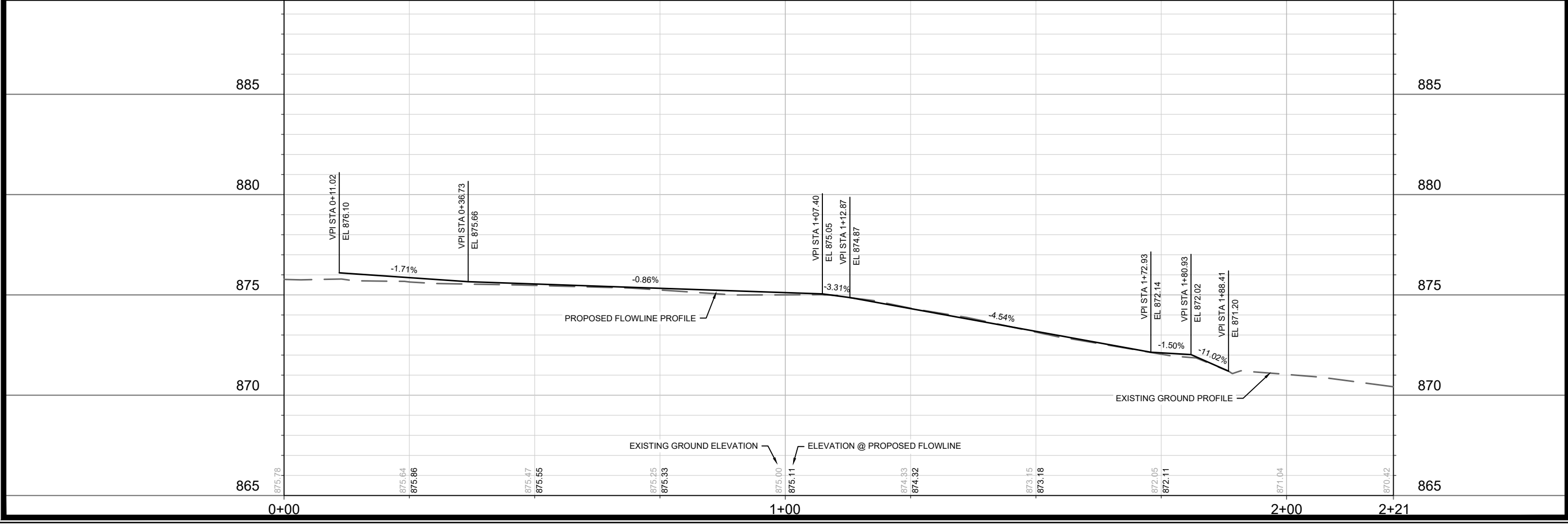
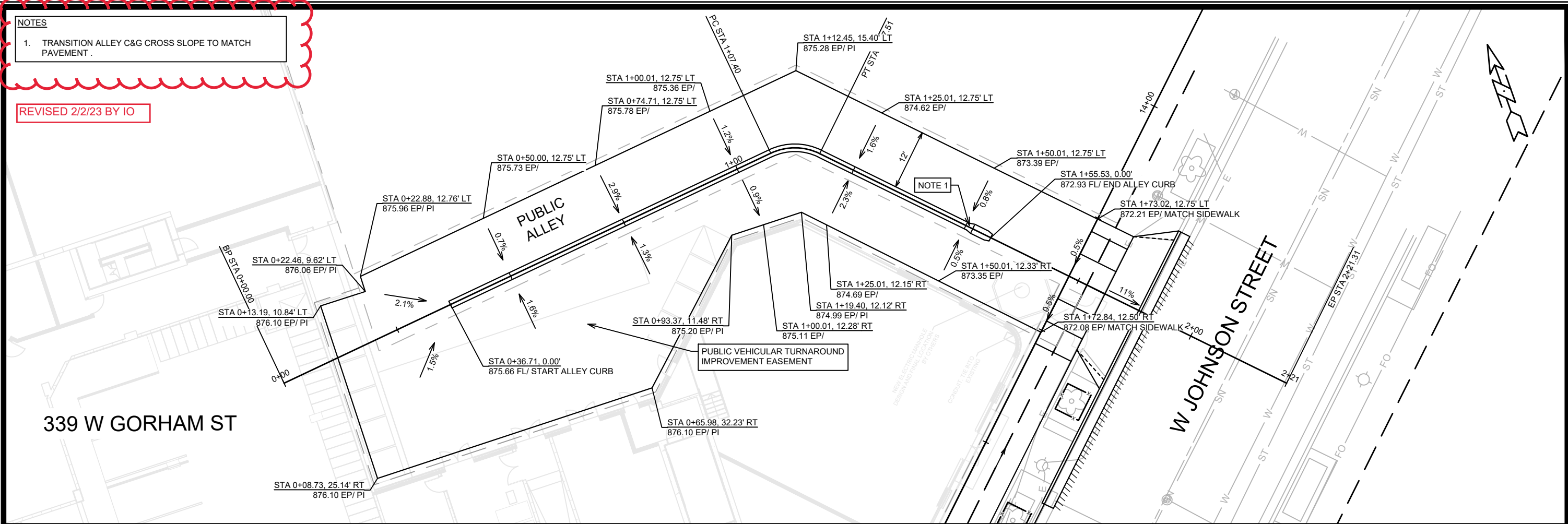
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 P-4

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 MADISON, WI  
 9140  
 CONTRACT NO.:

**NOTES**  
 1. TRANSITION ALLEY C&G CROSS SLOPE TO MATCH PAVEMENT.

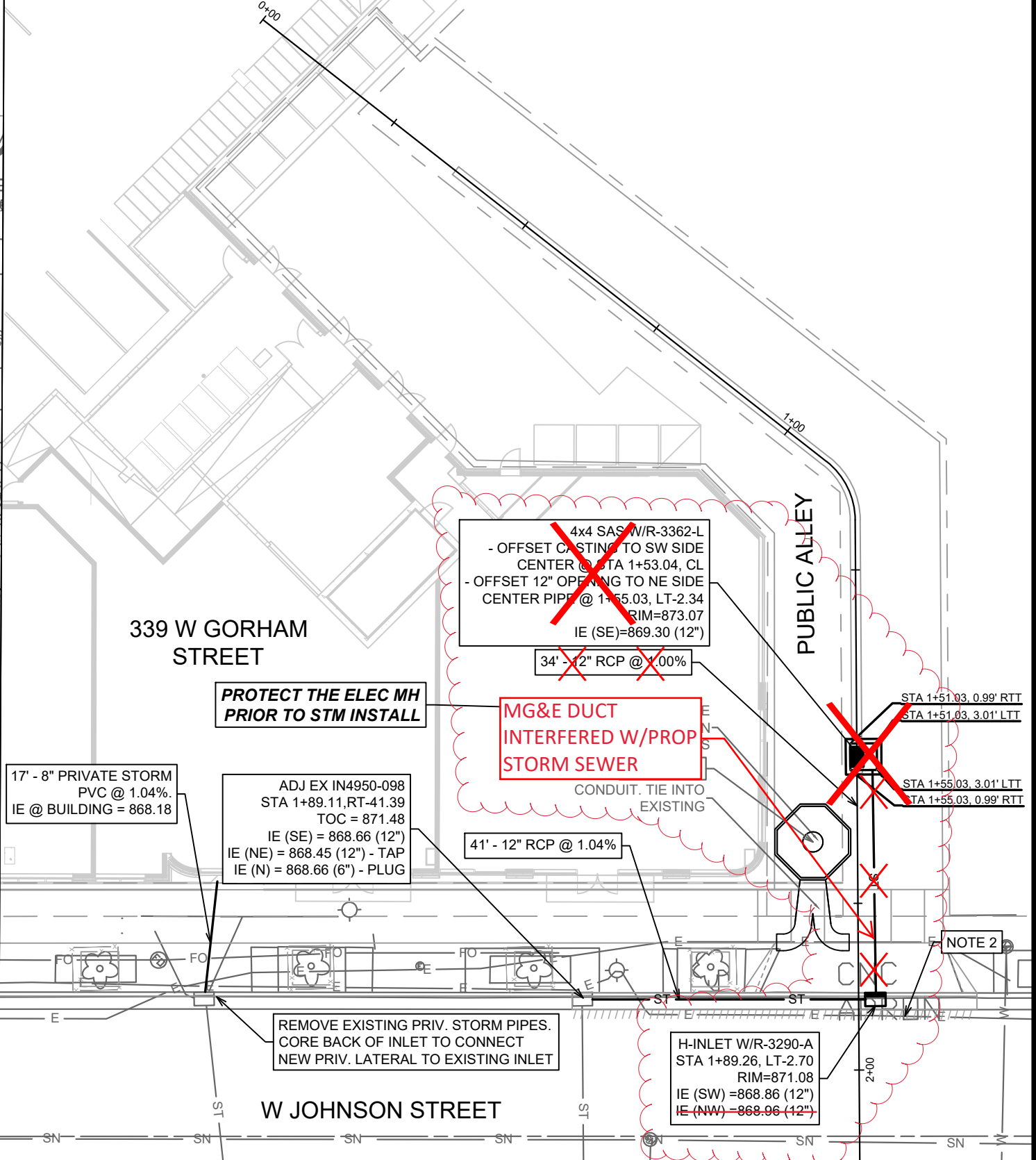
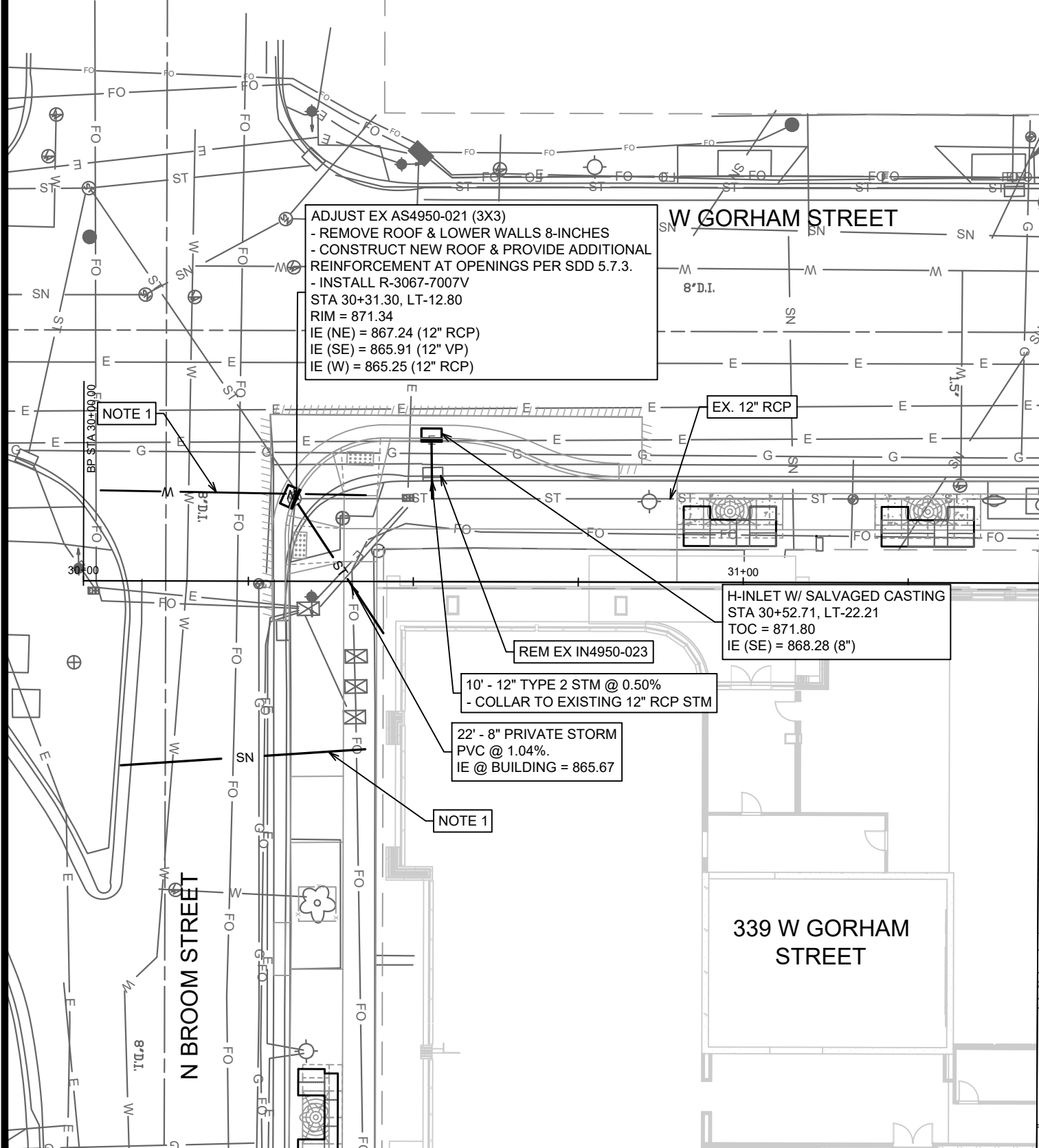
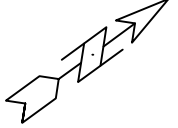
REVISED 2/2/23 BY IO



DATE	BY	14001 P-5
REVISION		
DATE		
DESIGNED BY		
SCALE		
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		14001 P-5

NOTES:  
 1. SEE SHEET C-601 FOR SANITARY & WATER UTILITY DESIGN DETAILS.  
 2. COORDINATE INSTALLATION OF STORM SEWER CROSSINGS OF EXISTING TRAFFIC ENGINEERING CONDUITS WITH TE ELEC SHOP A MINIMUM OF 3-DAYS IN ADVANCE OF EXCAVATION. CONTACT: CHAD VEINOT (608-267-1960).

REVISED 2/2/23 BY DAO



REVISION	DATE	BY
REV1	10/20/23	DAO
MARK	10/20/23	DAO
DESIGNED BY	10/20/23	DAO
DATE	10/20/23	DAO
SCALE	1:20	U-1

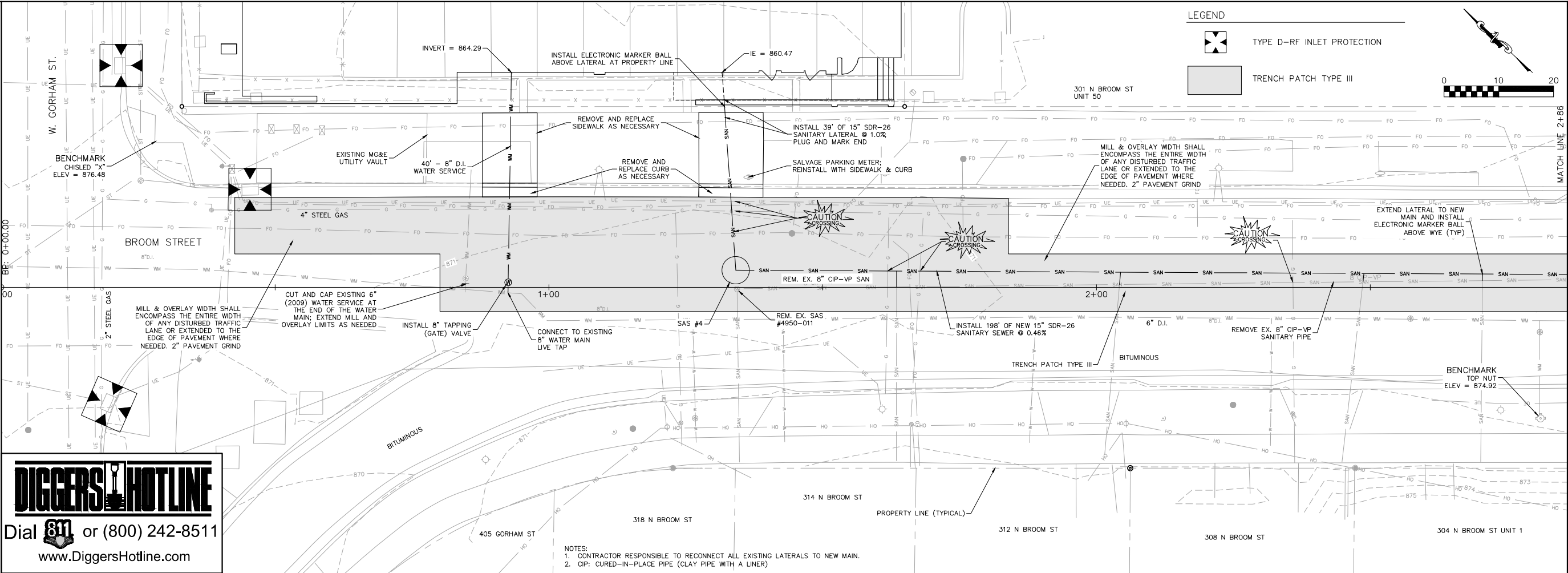
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 9140  
 CONTRACT NO:

STORM SEWER PLAN  
 339 W GORHAM STREET

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**NOTE:** Contractor must coordinate with City Traffic Engineering to obtain an approved traffic control plan that adheres to the following conditions: maintain at least one lane of traffic on N Broom Street at all times. For work within the West Dayton Street intersection, the south leg of West Dayton Street may be closed to traffic. For work within West Johnson Street, traffic lanes may be reduced to one lane of traffic between the weekday hours of 8:30 a.m. and 3:00 p.m. or non-special event weekends. At least two lanes of traffic must be maintained at all other times. Electronic flashing arrow board is required for each lane closure on both North Broom Street and West Johnson Street. A changeable message board is required on N Broom Street one week prior the start of work, notifying the public of the lane closures. A changeable message board is required on the 400 block of West Dayton Street one week prior the start of the intersection closure, notifying the public of the closure dates. A changeable message board is not required on West Johnson Street.

**Burse**  
 Surveying and Engineering, Inc.  
 2801 International Lane, Suite 101  
 Madison, WI 53704  
 Phone: 608-250-9263  
 Fax: 608-250-9266  
 e-mail: Murse@BSE-INC.net  
 www.bursesurveyeng.com

APPROVALS	PROJECT ENG.	M.L.B.	DRH	DRH	DRH	DRH	DRH	DRH	DRH

**oLiv Madison**  
 339 W. Gorham Street  
 Madison, WI 53703

**Antunovich Associates**  
 224 West Huron Street, Suite 7E  
 Chicago, IL 60654

**PROJECT #:** BSE2329-AA  
**PLOT DATE:** 05/26/2022

**REVISION DATES:**


**ISSUE DATES:**

05/12/2022
05/23/2022
05/26/2022

**SANITARY SEWER PLAN & PROFILE**

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**DRAWING NUMBER**  
**C-601**

APPROVALS	PROJECT ENG.	MLB	DRH	DRH	MLB
	DESIGNED BY		CHECKED BY		
	DRAWN BY		APPROVED		

**Oliv Madison**  
339 W. Gorham Street  
Madison, WI 53703

**Antunovich Associates**  
224 West Huron Street, Suite 7E  
Chicago, IL 60654

PROJECT #: BSE2329-AA  
PLOT DATE: 05/26/2022

REVISION DATES:

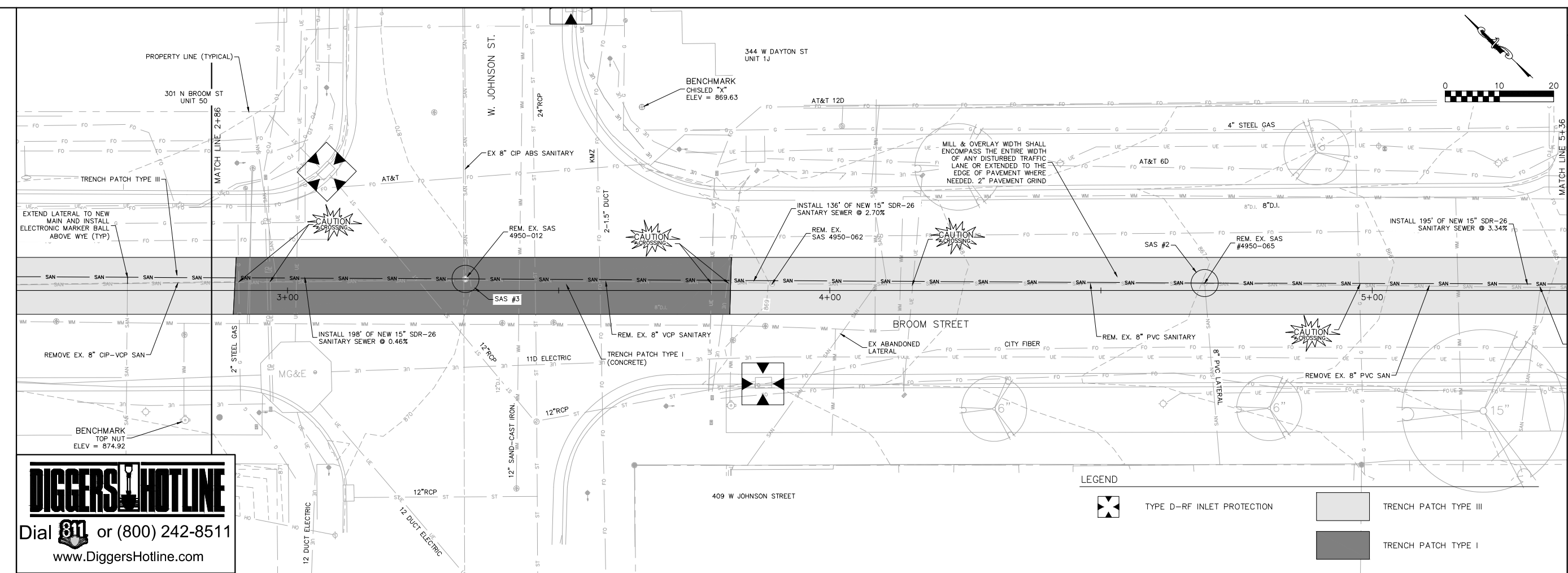

ISSUE DATES:

05/12/2022
05/23/2022
05/26/2022

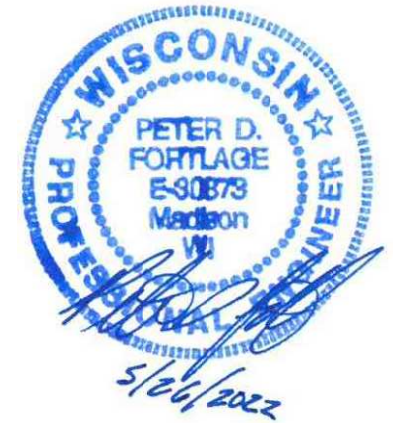
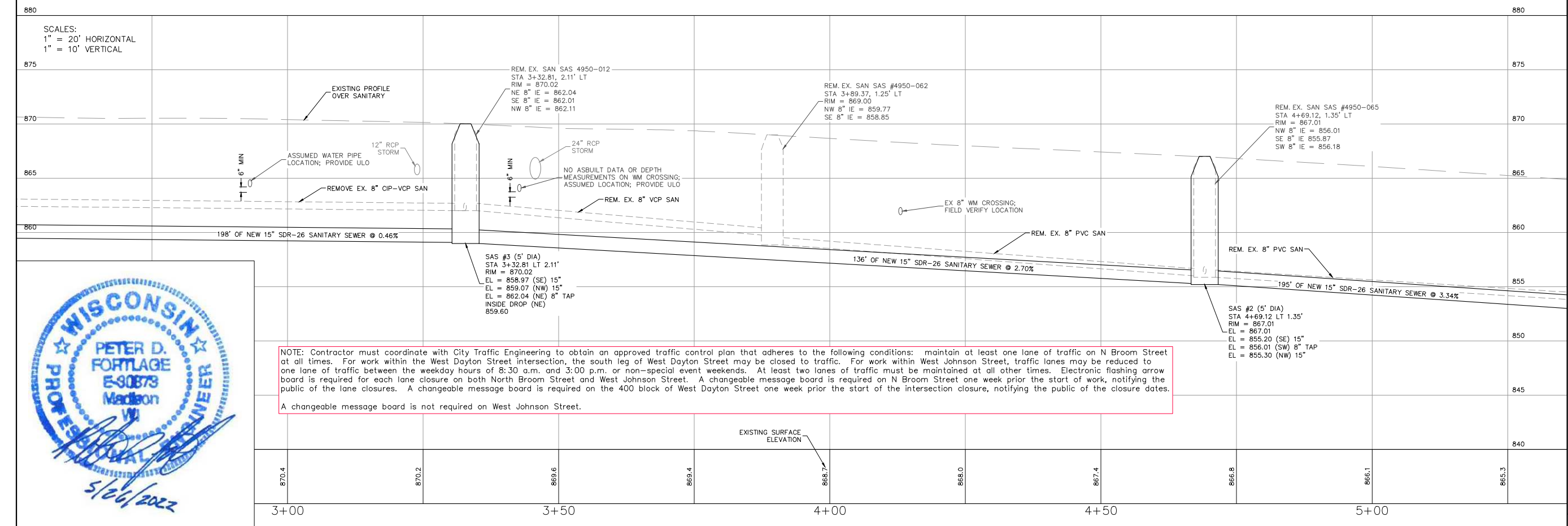
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Fax: 608-250-3266  
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www.bursesurveying.com

APPROVALS	PROJECT ENG.	MLB	DRH	DRH	MLB

**oLiv Madison**  
339 W. Gorham Street  
Madison, WI 53703

**Antunovich Associates**  
224 West Huron Street, Suite 7E  
Chicago, IL 60654

PROJECT #: BSE2329-AA  
PLOT DATE: 05/26/2022

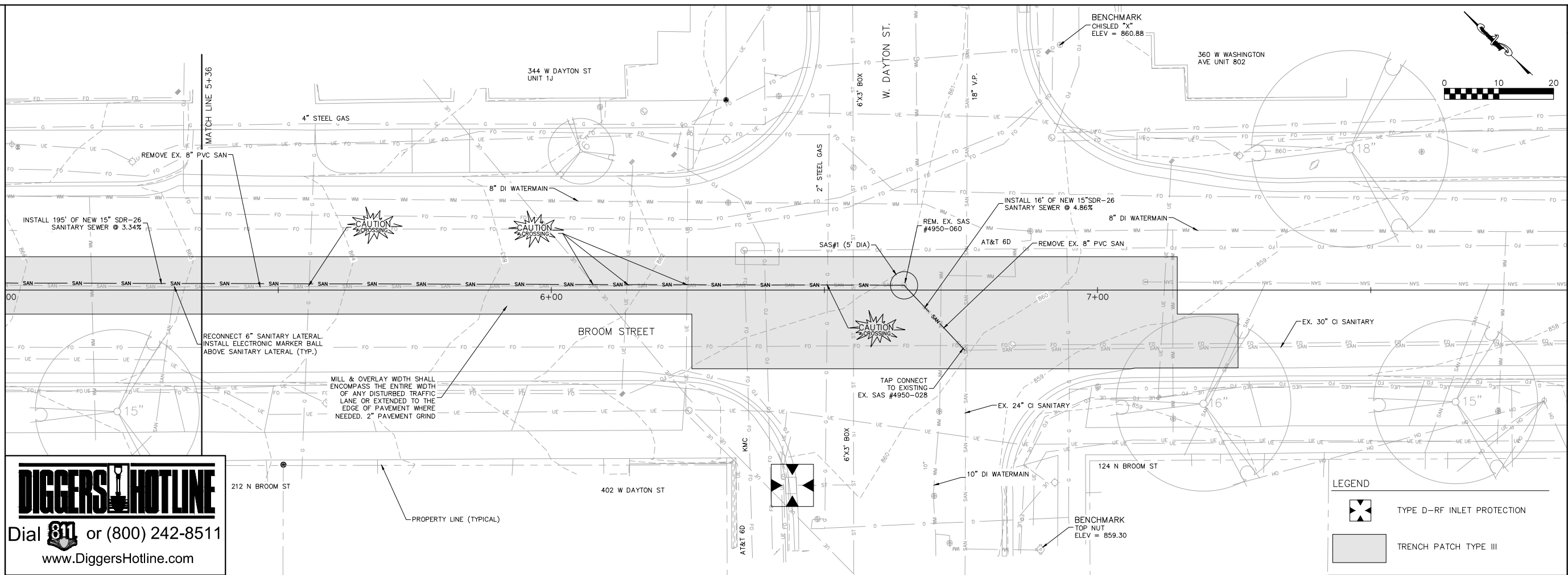
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05/23/2022  
05/26/2022

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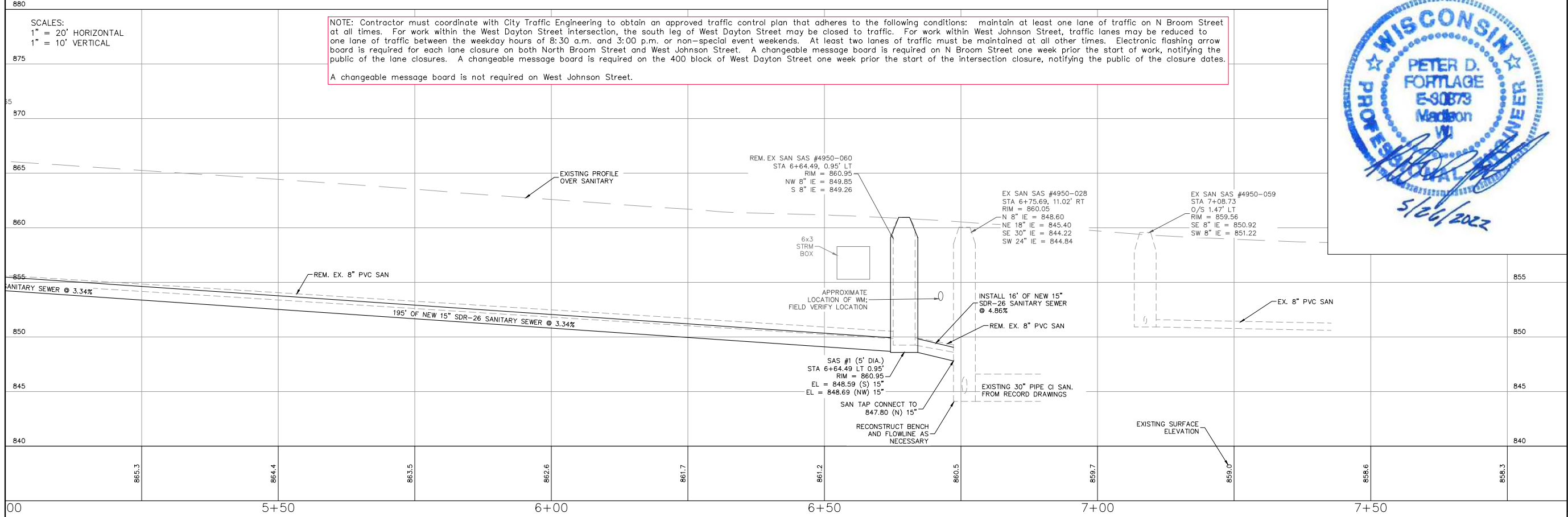
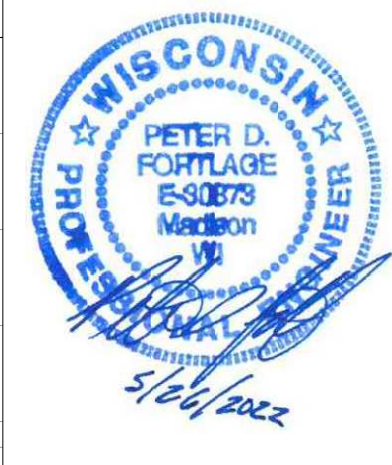
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NOTE: Contractor must coordinate with City Traffic Engineering to obtain an approved traffic control plan that adheres to the following conditions: maintain at least one lane of traffic on N Broom Street at all times. For work within the West Dayton Street intersection, the south leg of West Dayton Street may be closed to traffic. For work within West Johnson Street, traffic lanes may be reduced to one lane of traffic between the weekday hours of 8:30 a.m. and 3:00 p.m. or non-special event weekends. At least two lanes of traffic must be maintained at all other times. Electronic flashing arrow board is required for each lane closure on both North Broom Street and West Johnson Street. A changeable message board is required on the 400 block of West Dayton Street one week prior the start of work, notifying the public of the lane closures. A changeable message board is required on the 400 block of West Dayton Street one week prior the start of the intersection closure, notifying the public of the closure dates.

A changeable message board is not required on West Johnson Street.



Printed: May 26, 2022 - 12:01pm Printed By: Peter

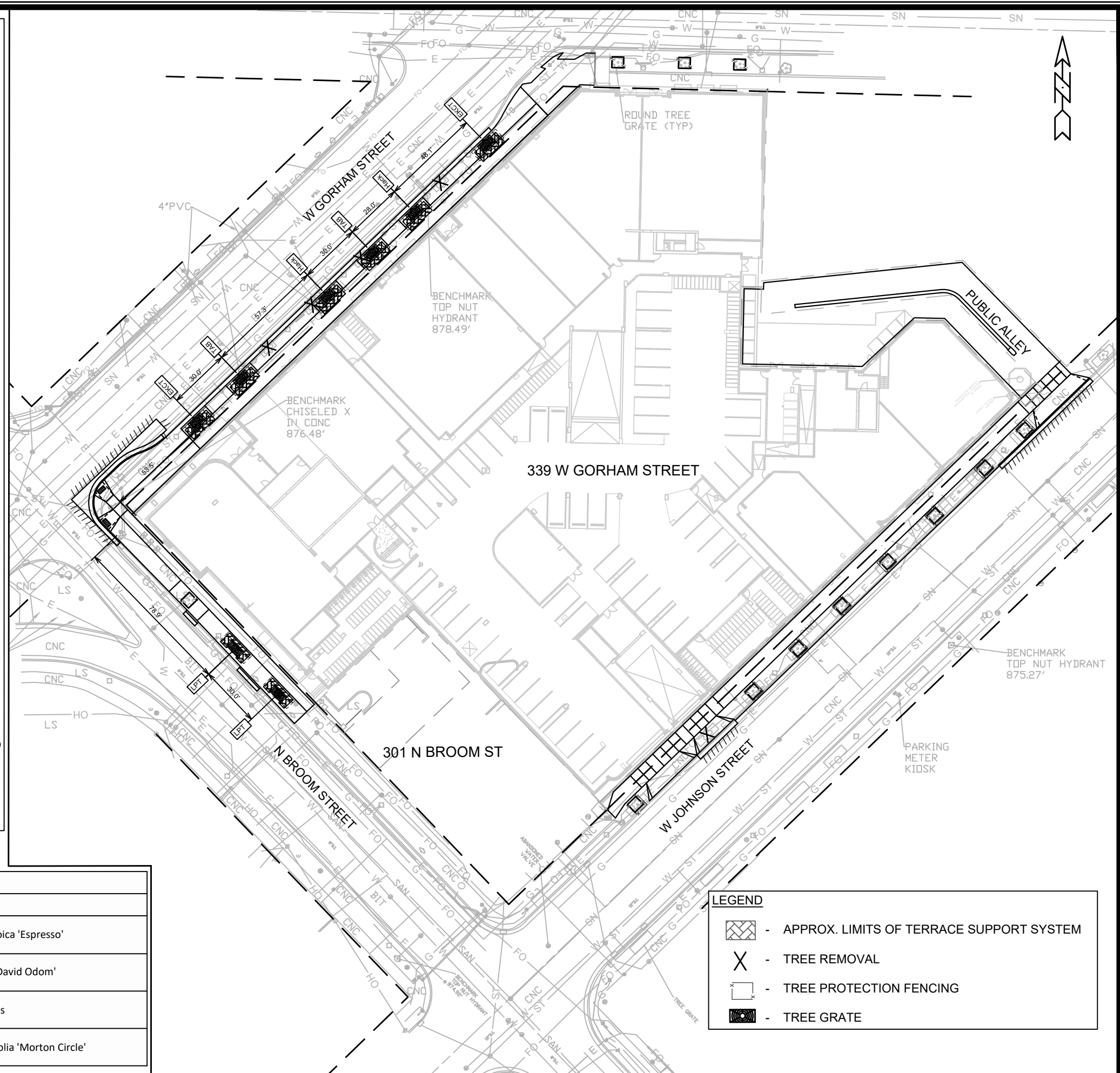
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NOTES:

- APPROXIMATE LIMITS OF TERRACE SUPPORT SYSTEM ARE SHOWN, FINAL LIMITS DEPENDENT ON MANUFACTURER SELECTED, DEVELOPER TO PROVIDE FINAL LAYOUT.
- TERRACE SUPPORT SYSTEM SHALL BE TO A MINIMUM DEPTH OF 30" UNLESS OTHERWISE NOTED, DEPTH MAY BE ACHIEVED WITH A SINGLE LAYER OF CELLS OR STACKED IN 2 LAYERS.
- PROVIDE MINIMUM 40"x80" OPENING FOR TREE PLANTING WITH 12" ROOT BARRIER AROUND OPENING.
- PERIMETER OF SUPPORT SYSTEM SHALL BE ENCLOSED WITH GEOGRID PER MANUFACTURER'S INSTALLATION SPECIFICATIONS.
- CONTRACTOR SHALL CONTACT CITY FORESTRY 608-266-4816 AT LEAST ONE WEEK PRIOR TO PLANTING TO SCHEDULE INSPECTING THE NURSERY STOCK AND REVIEW PLANTING SPECIFICATION WITH THE LANDSCAPER.
- ON THIS PROJECT, THE INSTALLATION OF A PAVEMENT SUPPORT SYSTEM (SILVA CELL®, GREENBLUE® OR EQUIVALENT AS APPROVED BY CITY) SURROUNDING TREE GRATE LOCATIONS IS REQUIRED WHERE THE TERRACE IS CONCRETE. THE CONTRACTOR SHALL CONTACT CITY FORESTRY AT (608) 266-4816 TO IDENTIFY AND LOCATE UNDERGROUND CONFLICTS (UTILITIES, VAULTS, CONDUIT) OR OTHER UNDERGROUND OBSTRUCTIONS AND DETERMINE GRATE LOCATIONS BEFORE SUPPORT SYSTEM INSTALLATION.
- NO LATER THAN FIVE BUSINESS DAYS PRIOR TO FORMING CONCRETE AND CONSTRUCTING TREE GRATE SITES, THE CONTRACTOR SHALL CONTACT CITY FORESTRY AT (608) 266-4816 TO IDENTIFY AND LOCATE UNDERGROUND CONFLICTS (UTILITIES, VAULTS, CONDUIT) OR OTHER UNDERGROUND OBSTRUCTIONS AND DETERMINE GRATE LOCATIONS. THE CONTRACTOR WILL BE REQUIRED TO OBTAIN THE GRATE, MATCHING FRAME AND/OR TREE GUARD. TREE GRATE TYPE AND MATCHING FRAME: NEENAH 4X8 (R-8815-A). TREE GUARD NEENAH (R-8501-4818).
- STREET TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY AT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT. CONTACT CITY FORESTRY AT (608)266-4816. ALL PRUNING SHALL FOLLOW THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 - PART 1 STANDARDS FOR PRUNING.
- SECTION 107.13(G) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (WEBSITE: [HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM](https://www.cityofmadison.com/business/pw/specs.cfm)) ADDRESSES SOIL COMPACTION NEAR STREET TREES AND SHALL BE FOLLOWED BY CONTRACTOR. THE STORAGE OF PARKED VEHICLES, CONSTRUCTION EQUIPMENT, BUILDING MATERIALS, REFUSE, EXCAVATED SPOILS OR DUMPING OF POISONOUS MATERIALS ON OR AROUND TREES AND ROOTS WITHIN FIVE (5) FEET OF THE TREE OR WITHIN THE PROTECTION ZONE IS PROHIBITED.
- CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREE(S). THIS MAY REQUIRE USING SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS IN A DESIGNATED SPACE AWAY FROM TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT (608) 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
- AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY AT (608) 266-4816 PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: [HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM](https://www.cityofmadison.com/business/pw/specs.cfm)
- ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.

Street Tree Plant List

Code	Quantity	Size	Root	Common Name	Botanical Name
EKCT	2	0'-2"	B&B	Espresso Kentucky Coffeetree	Gymnocladus dioica 'Espresso'
TAB	2	0'-2"	B&B	Tupelo 'Afterburner'	Nyssa sylvatica 'David Odom'
Hack	2	0'-2"	B&B	Hackberry	Celtis occidentalis
LPT	2	0'-2"	B&B	London Planetree Exclamation	Platanus x acerifolia 'Morton Circle'

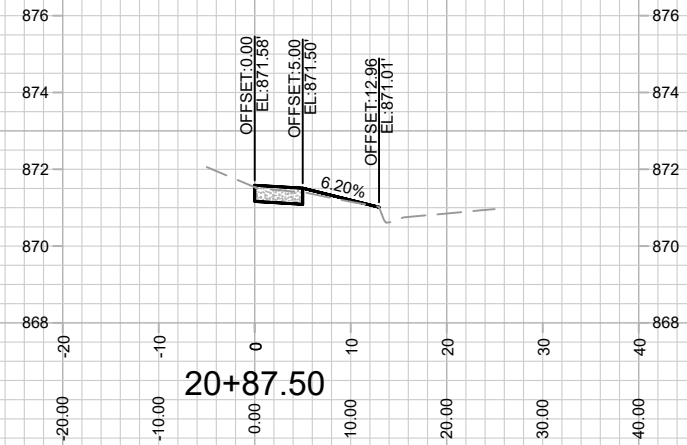
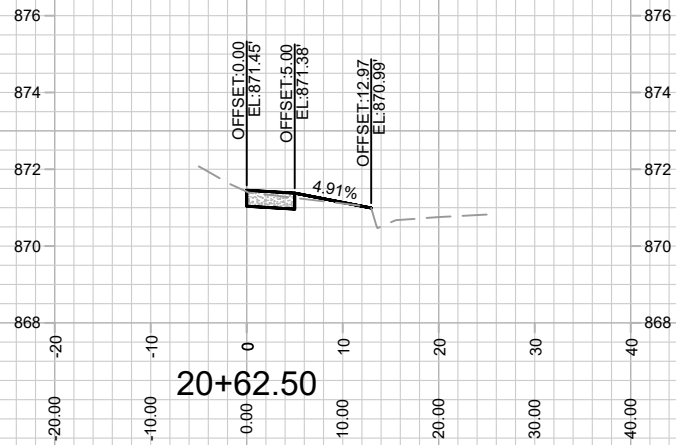
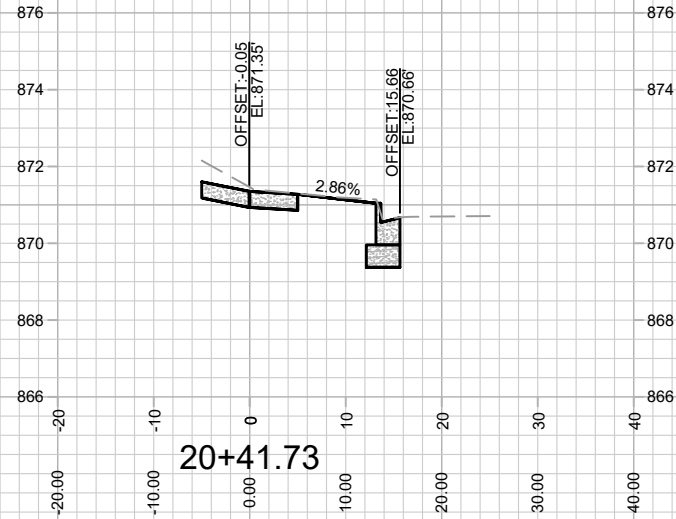
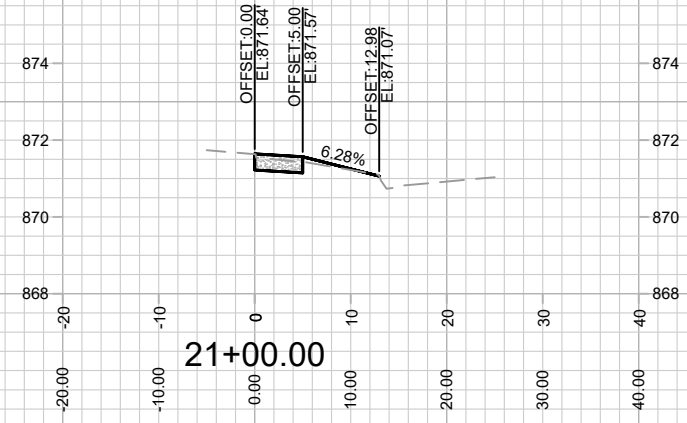
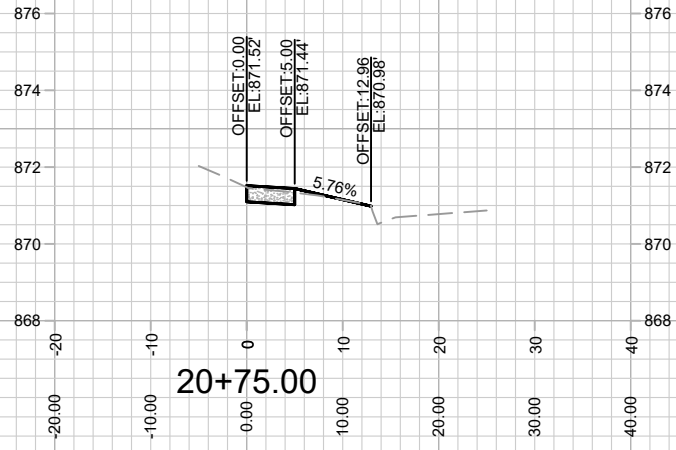
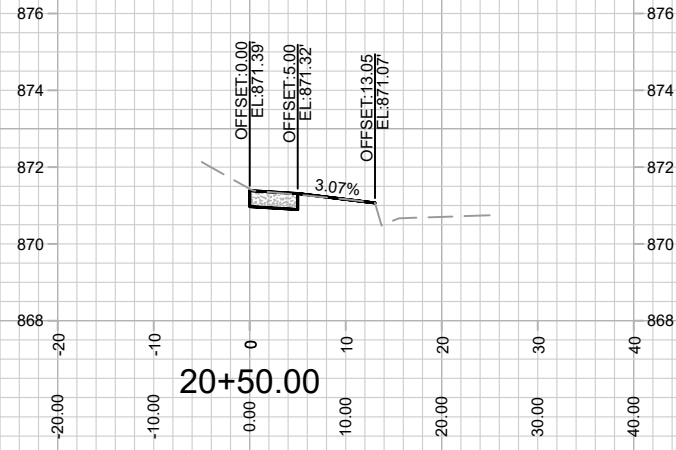


**LEGEND**

- APPROX. LIMITS OF TERRACE SUPPORT SYSTEM
- TREE REMOVAL
- TREE PROTECTION FENCING
- TREE GRATE

LANDSCAPE PLAN	14001	MADISON, WI	9140	CONTRACT NO:
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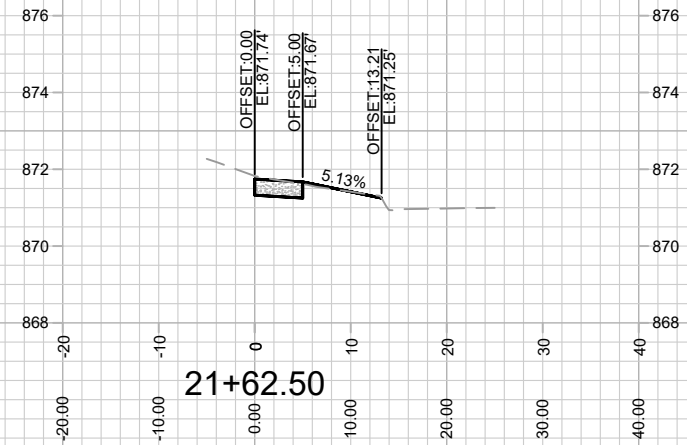
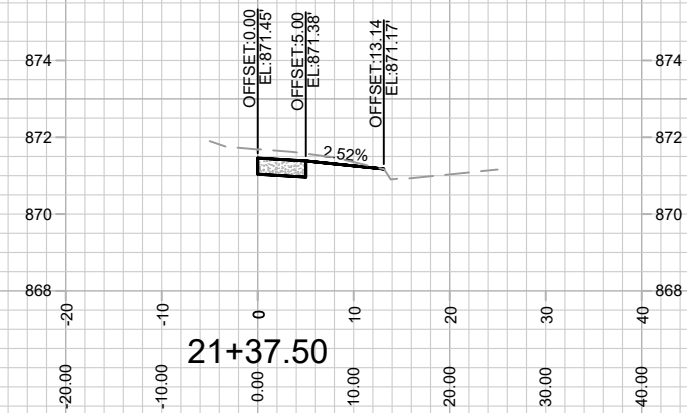
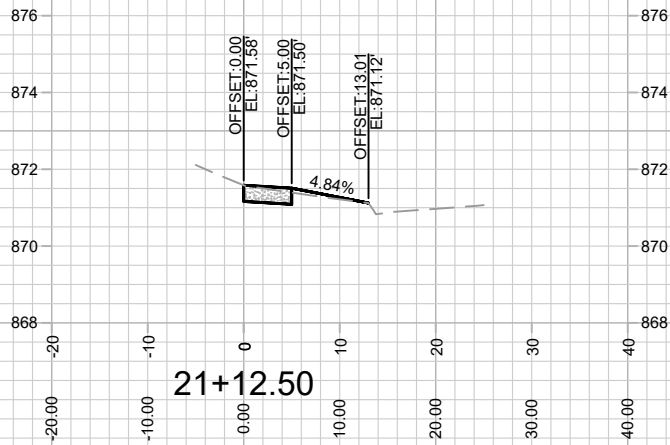
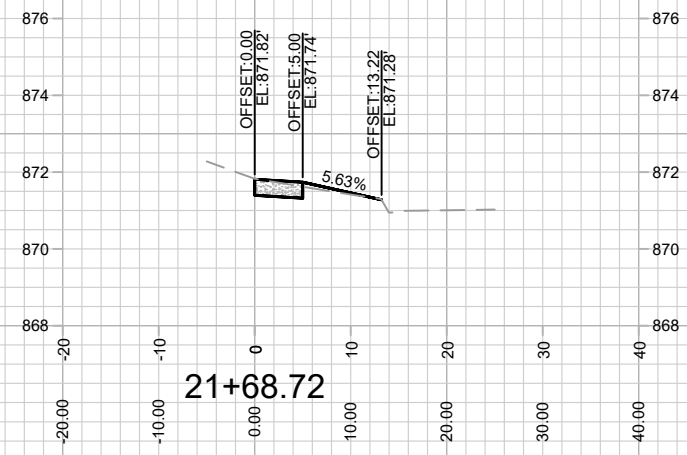
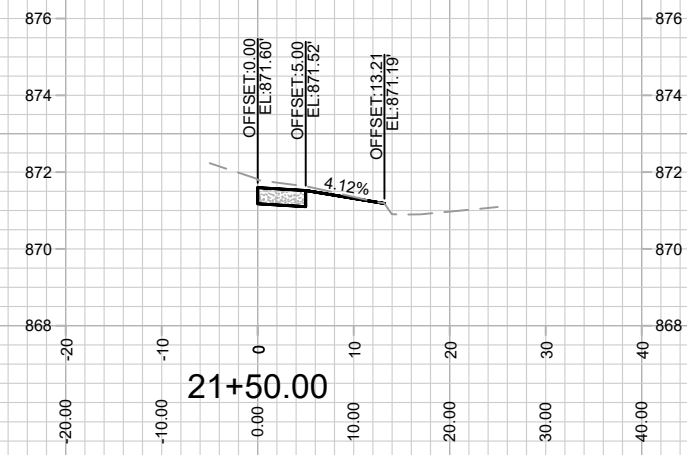
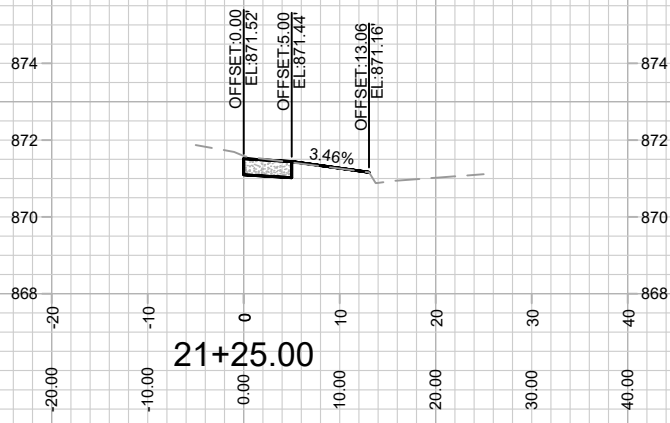
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MADISON, WI  
9140  
CONTRACT NO:

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339 W GORHAM STREET  
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Designed By: LMC  
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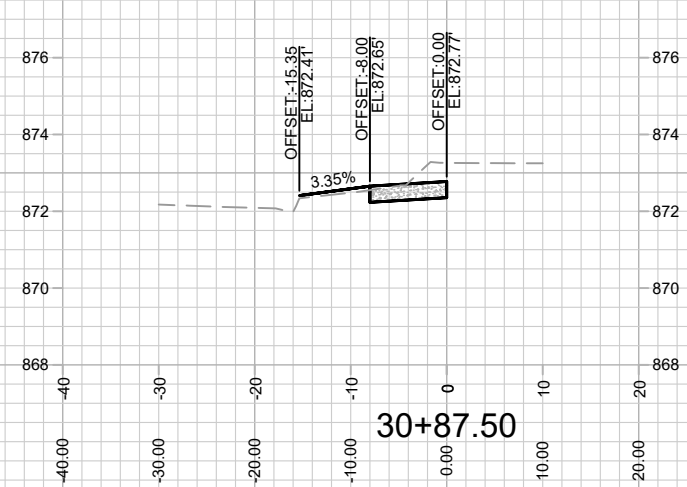
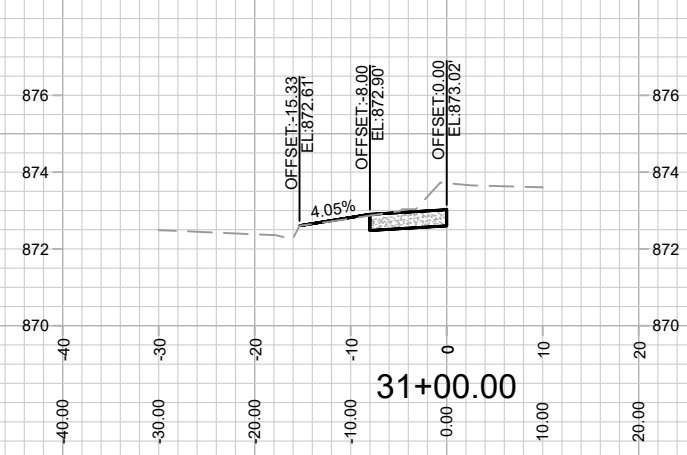
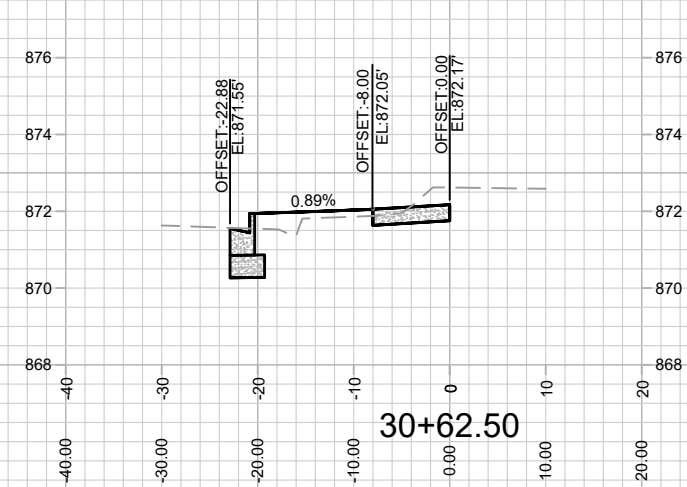
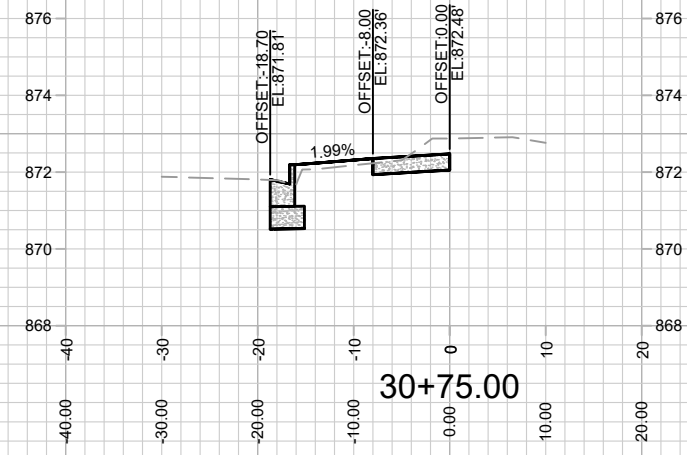
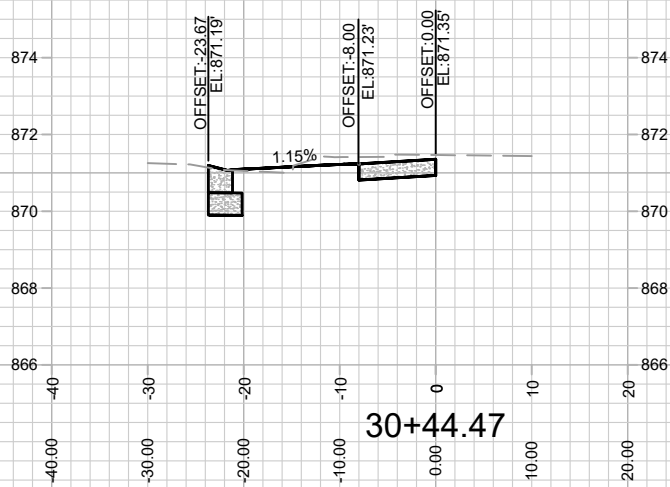
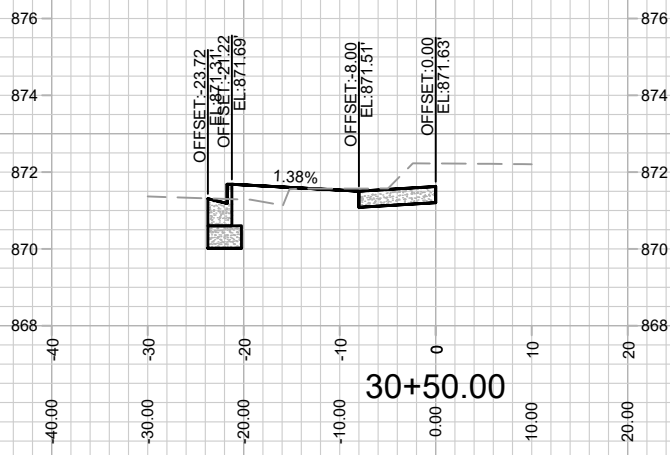


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CROSS SECTIONS - N BROOM STREET  
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MADISON, WI  
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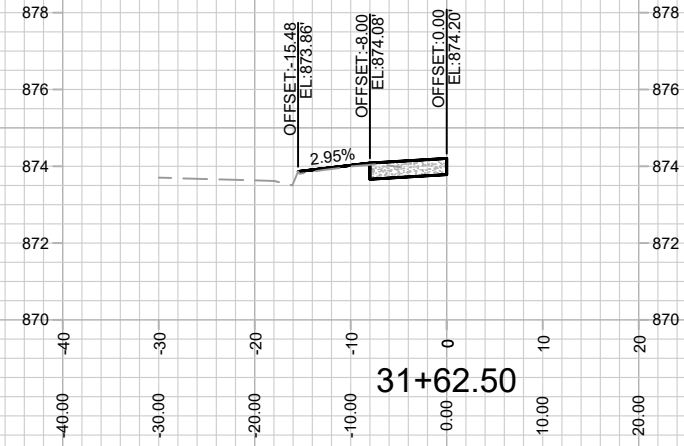
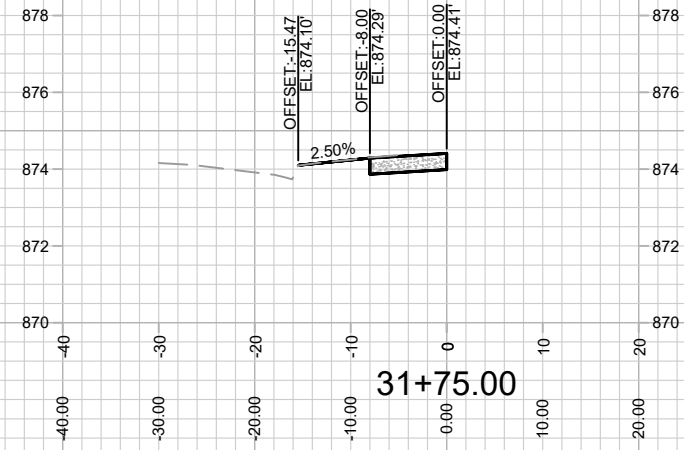
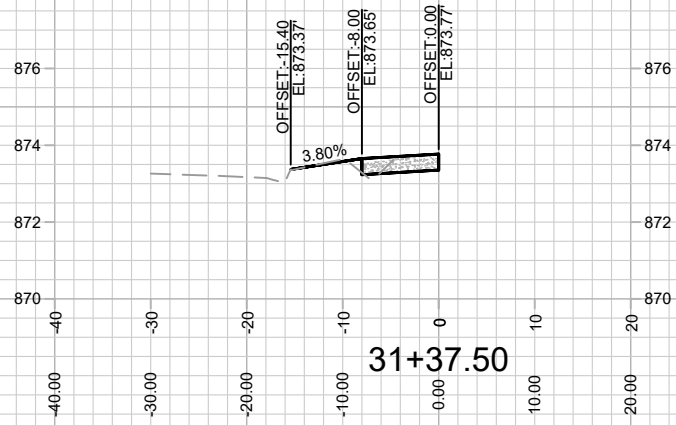
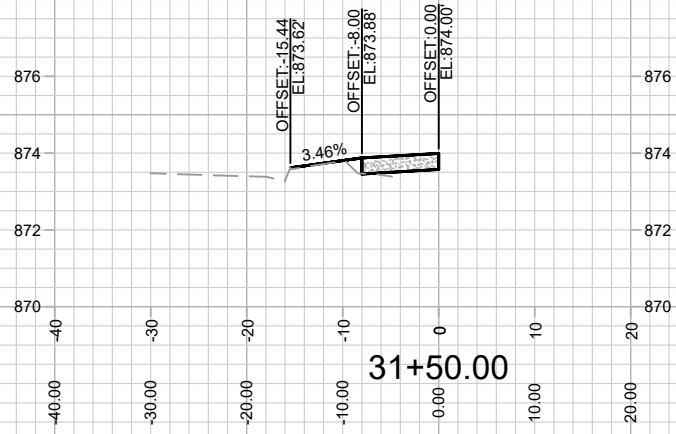
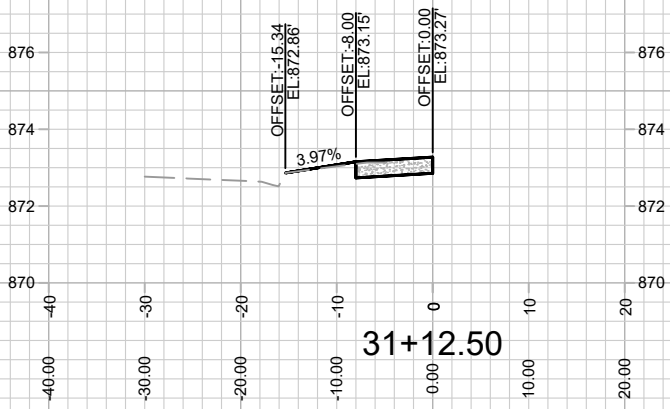
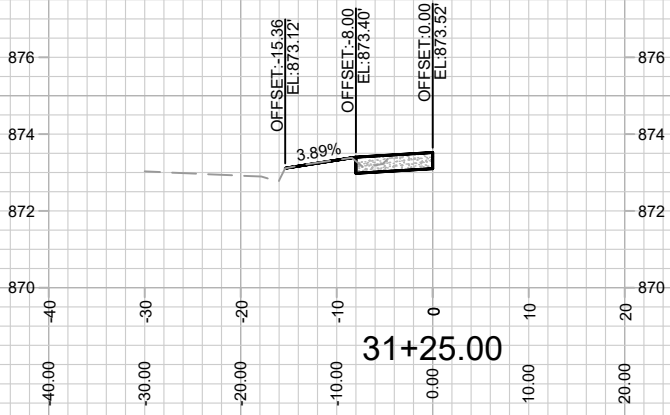
MARK	REVISION	DATE	BY

14001  
 MADISON, WI  
 9140  
 CONTRACT NO:

CROSS SECTIONS - W GORHAM STREET  
 339 W GORHAM STREET  
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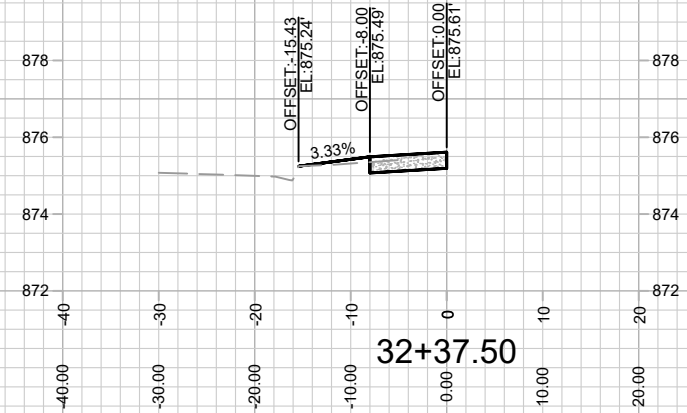
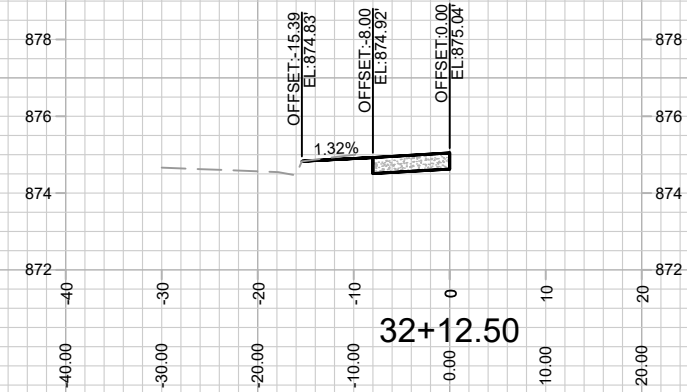
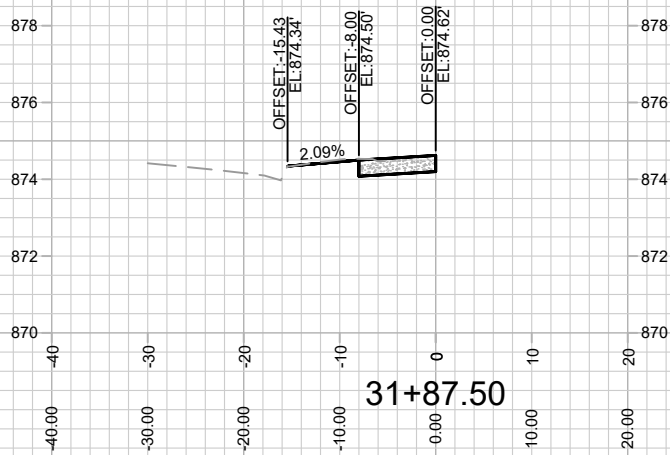
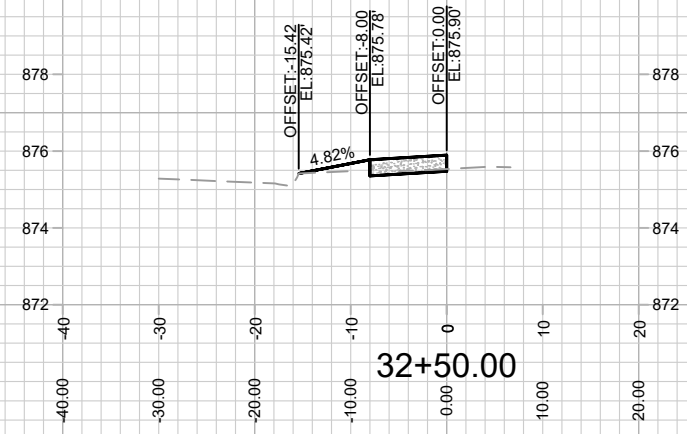
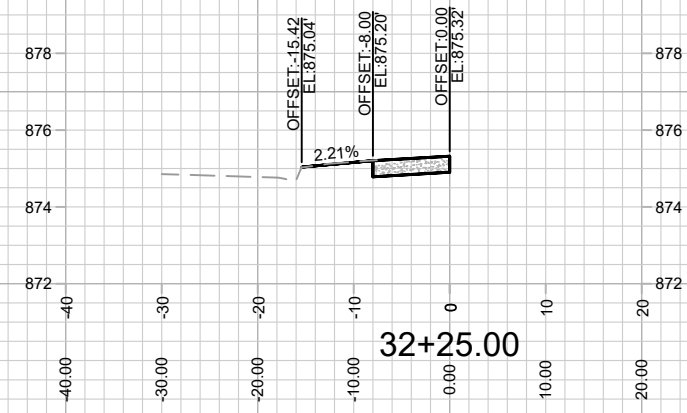
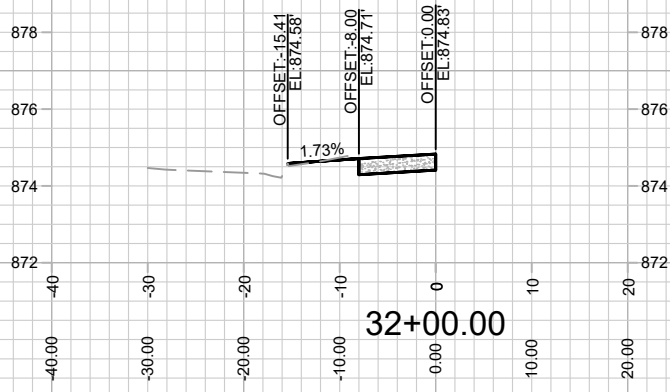
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14001	Designed By: LMC	Date: 8/17/2023 12:23 PM	Scale: 1" = 20'
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MADISON, WI  
9140  
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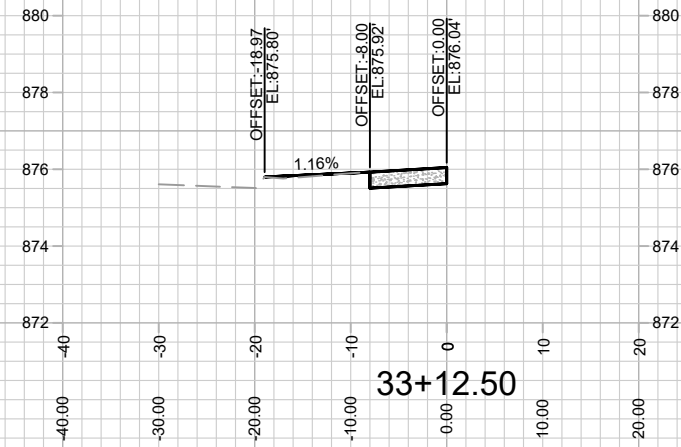
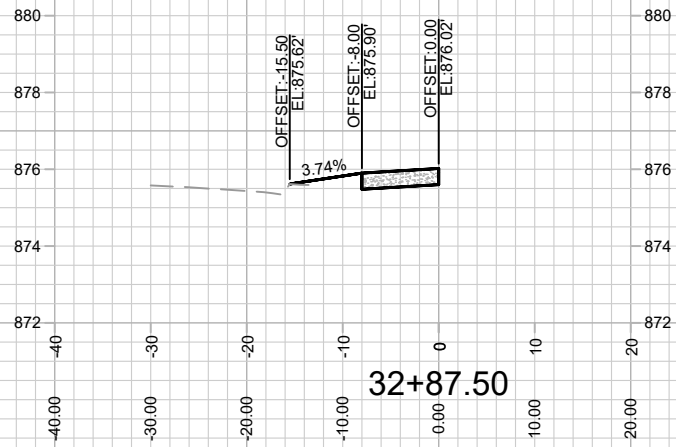
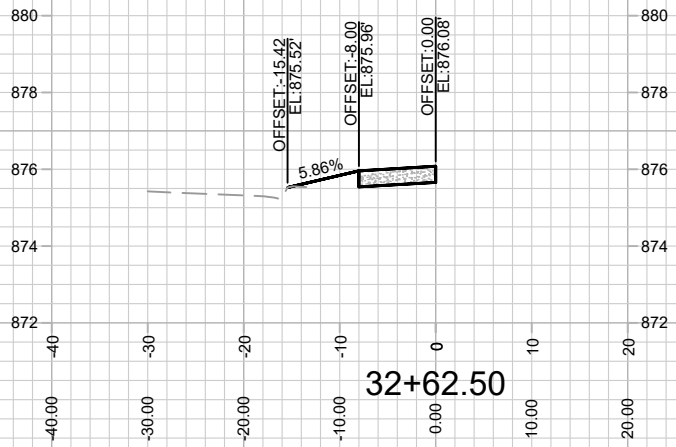
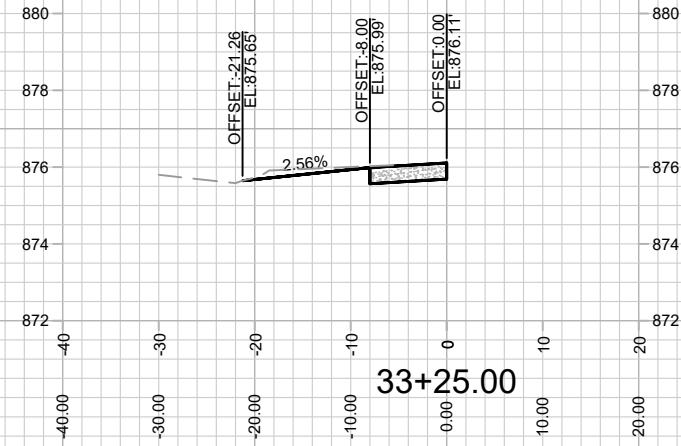
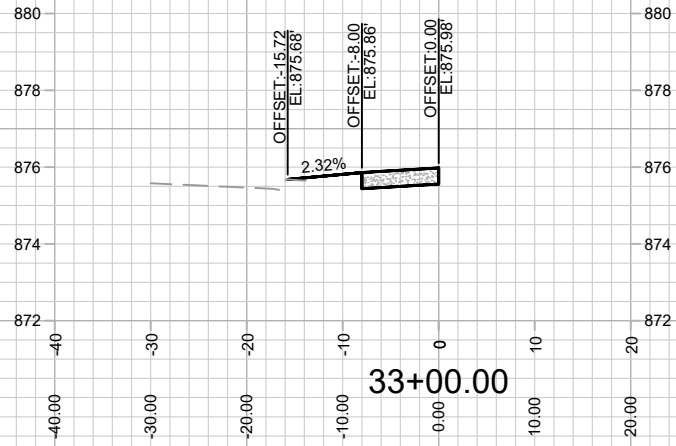
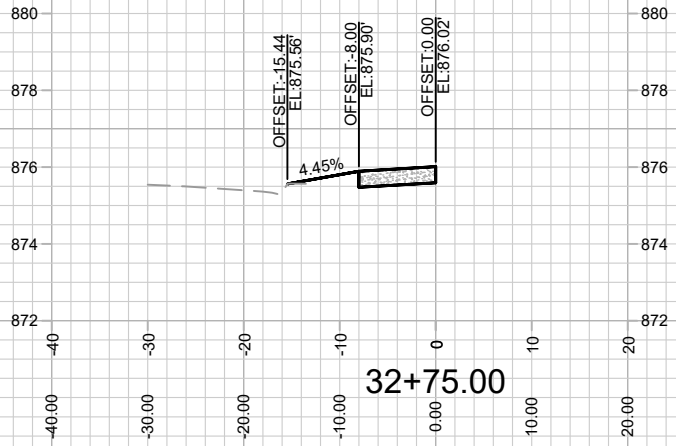
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MADISON, WI  
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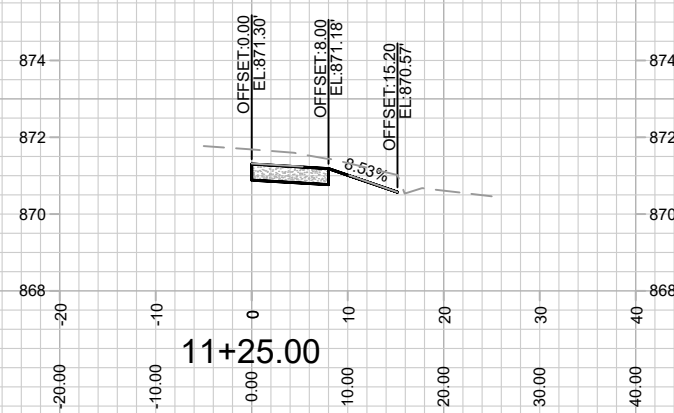
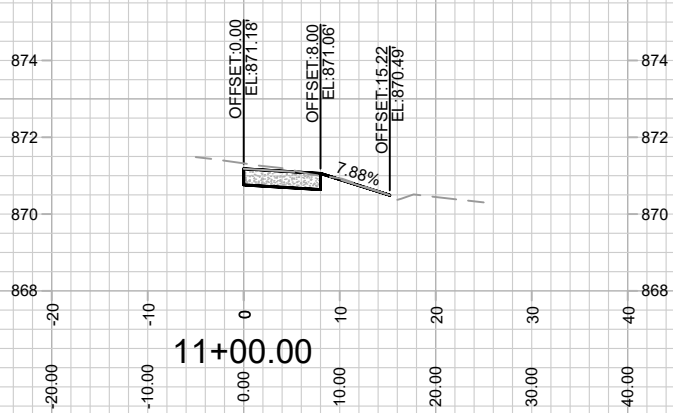
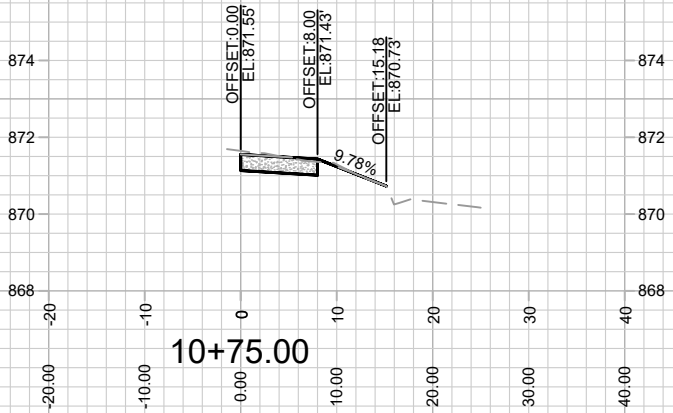
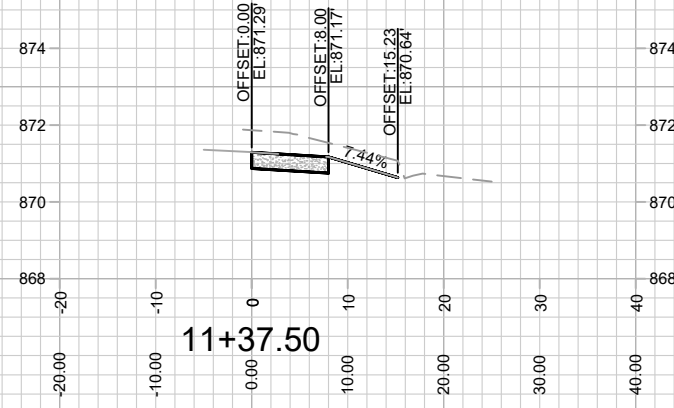
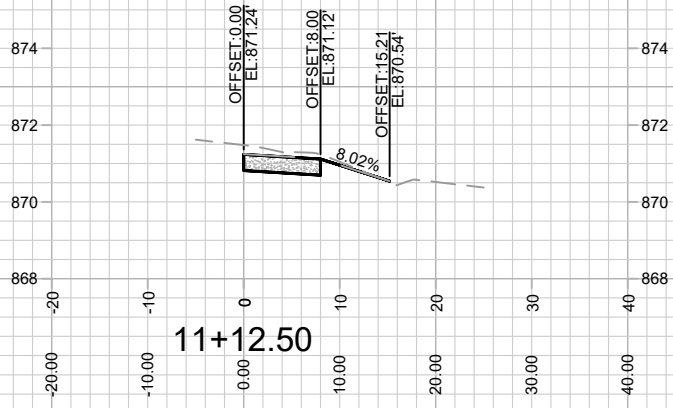
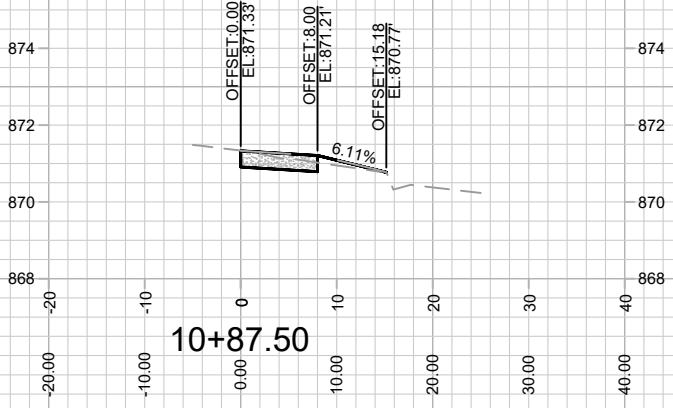
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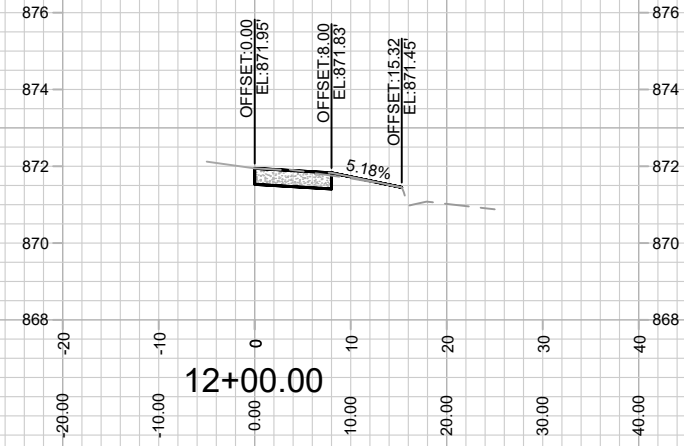
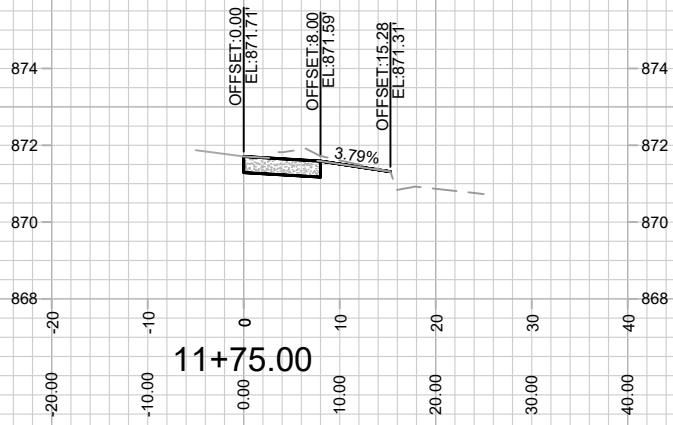
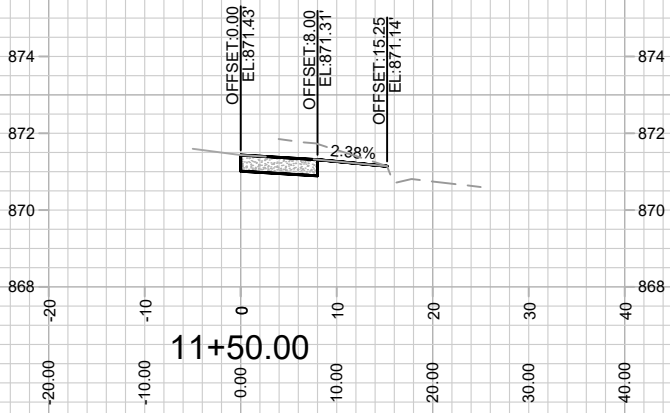
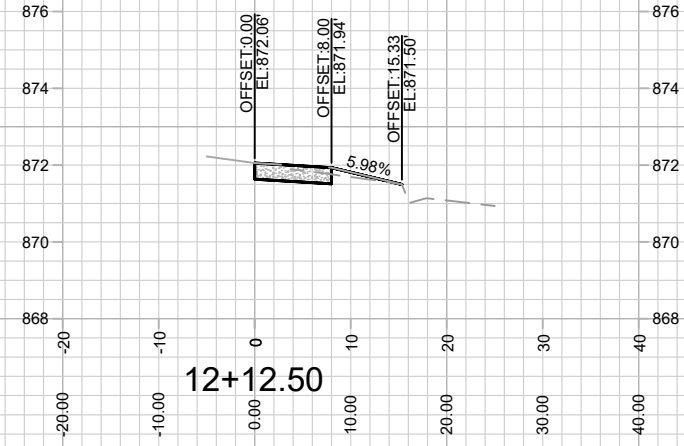
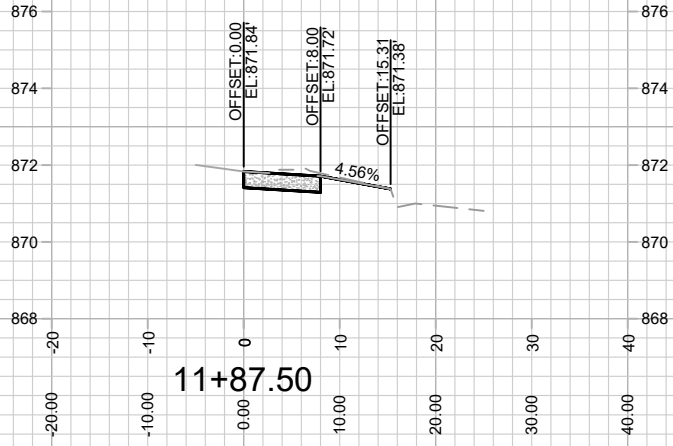
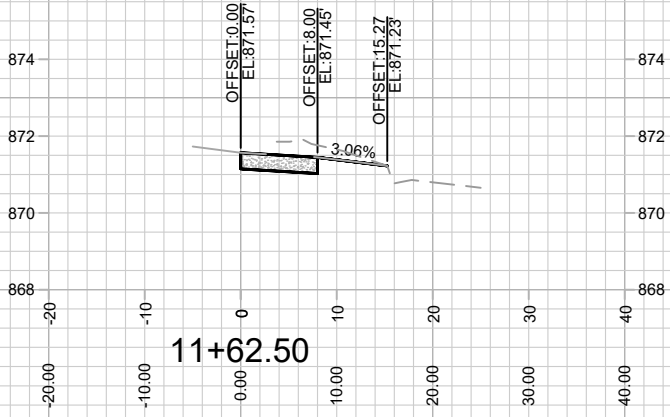
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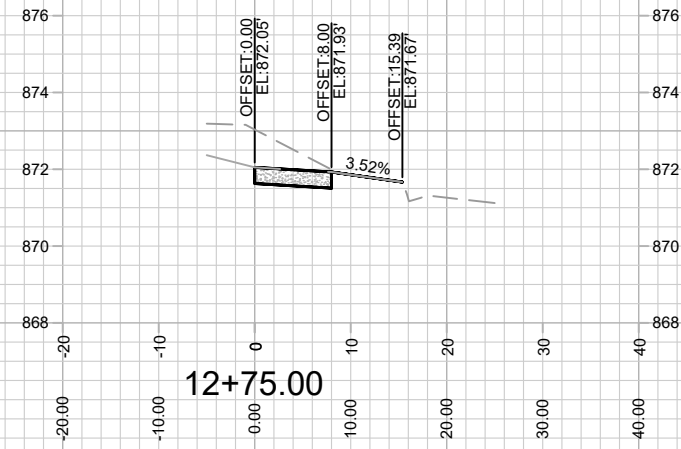
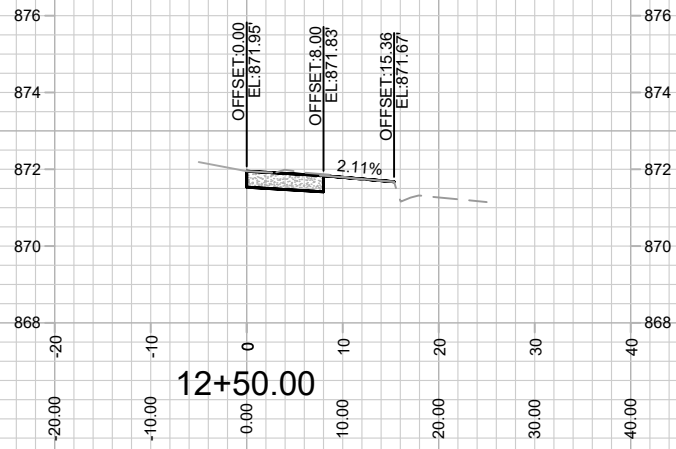
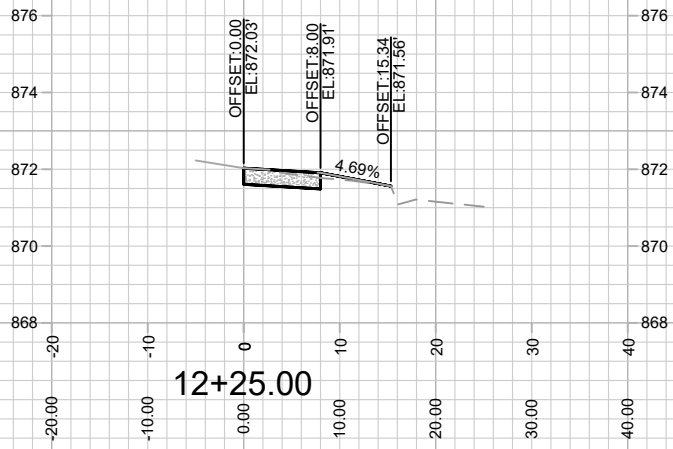
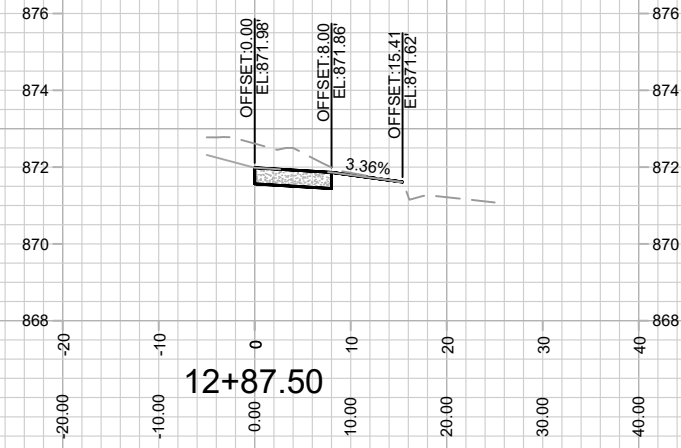
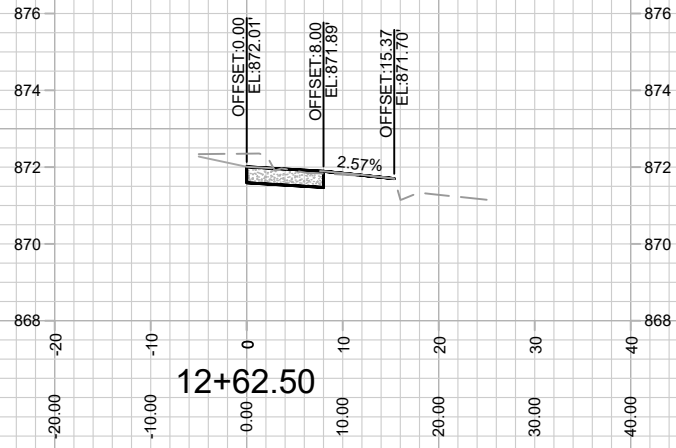
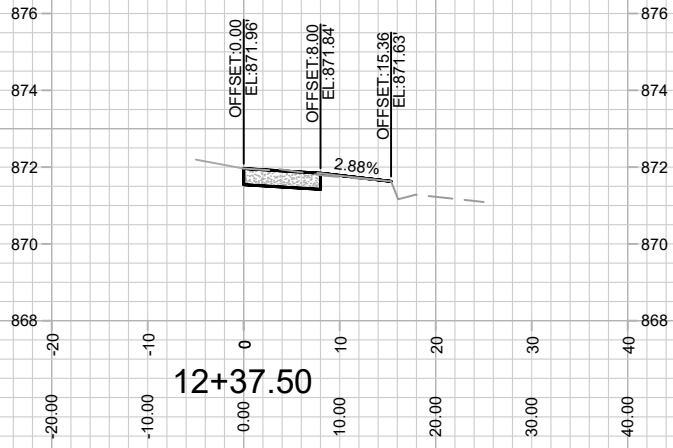
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CONTRACT NO:

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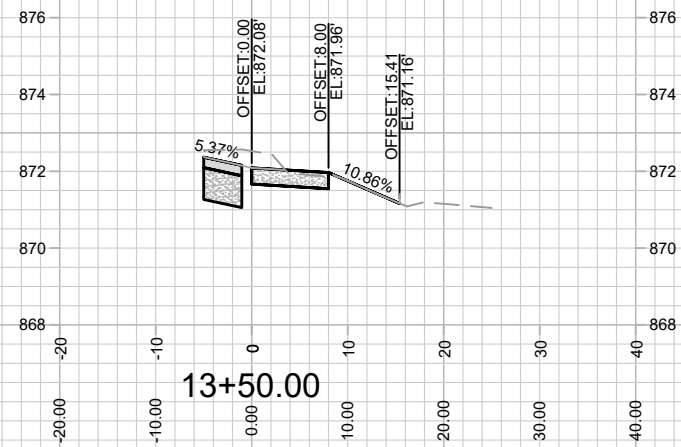
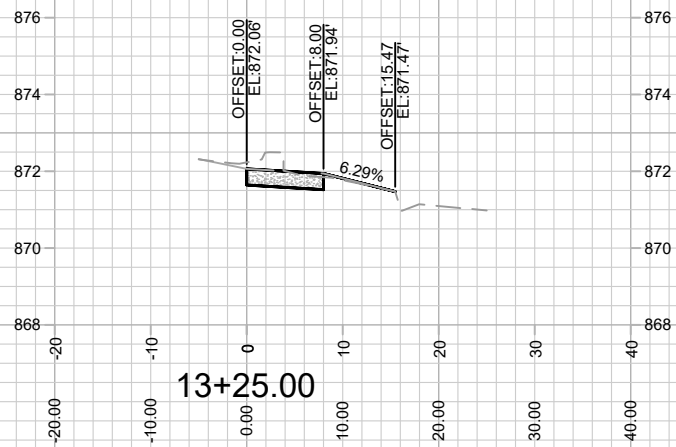
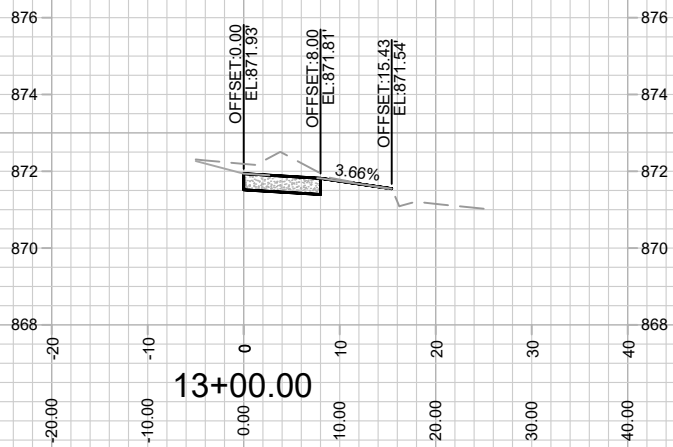
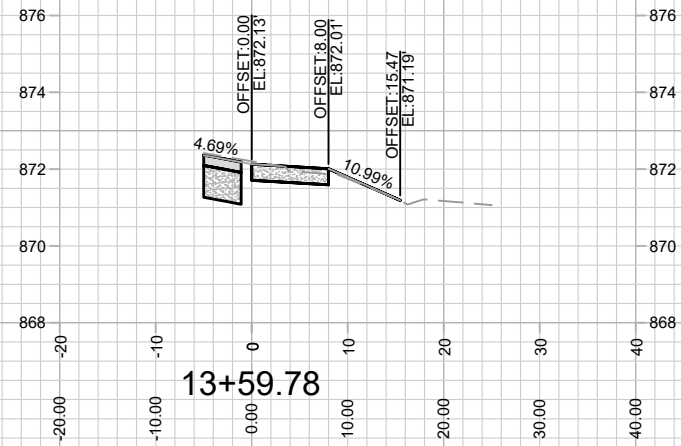
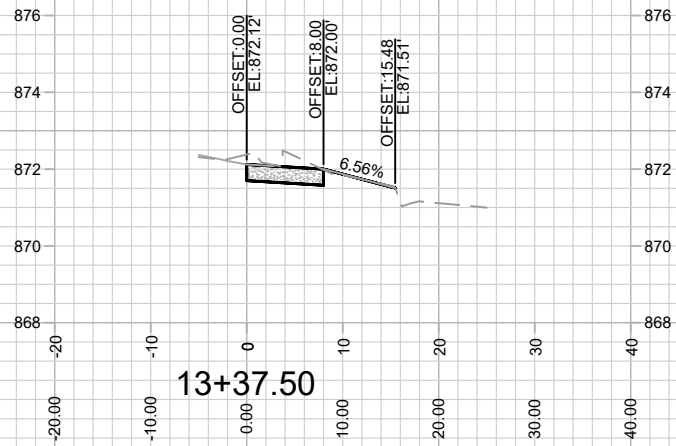
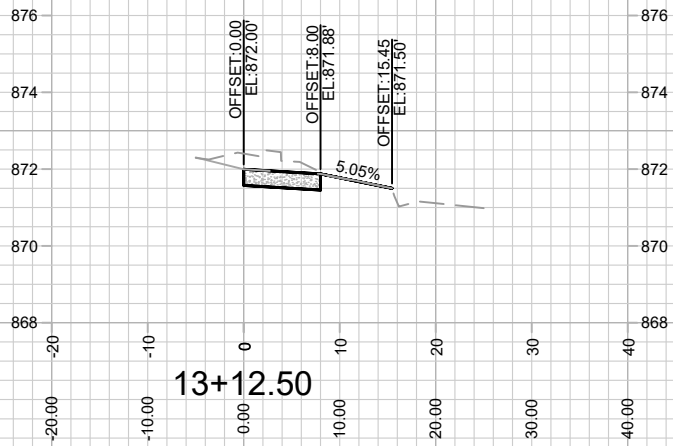
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MADISON, WI  
9140  
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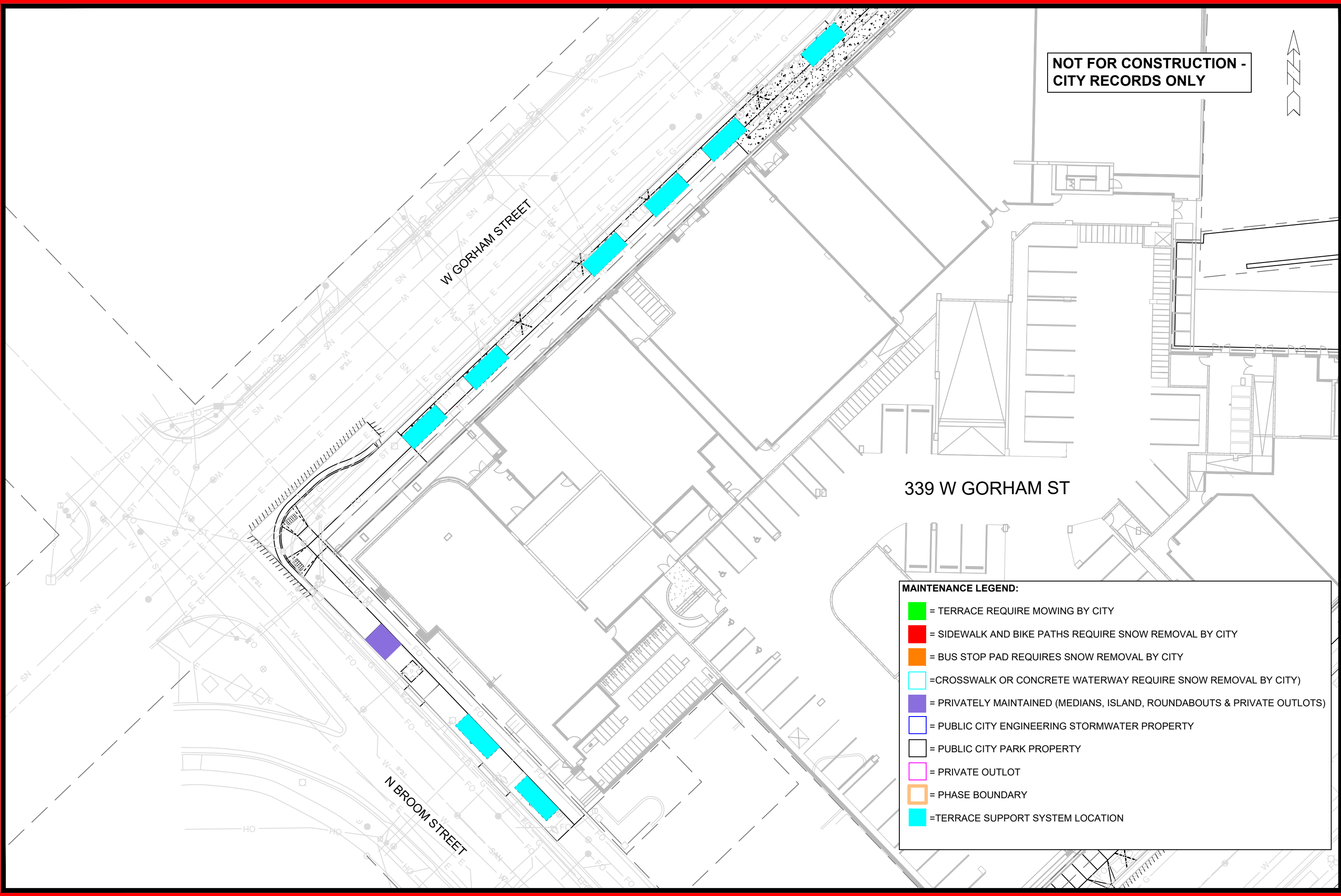
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NOT FOR CONSTRUCTION -  
CITY RECORDS ONLY

**MAINTENANCE LEGEND:**

- = TERRACE REQUIRE MOWING BY CITY
- = SIDEWALK AND BIKE PATHS REQUIRE SNOW REMOVAL BY CITY
- = BUS STOP PAD REQUIRES SNOW REMOVAL BY CITY
- = CROSSWALK OR CONCRETE WATERWAY REQUIRE SNOW REMOVAL BY CITY)
- = PRIVATELY MAINTAINED (MEDIANS, ISLAND, ROUNDABOUTS & PRIVATE OUTLOTS)
- = PUBLIC CITY ENGINEERING STORMWATER PROPERTY
- = PUBLIC CITY PARK PROPERTY
- = PRIVATE OUTLOT
- = PHASE BOUNDARY
- = TERRACE SUPPORT SYSTEM LOCATION

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Designed By: LMC  
Date: 10/19/2023 11:35 AM  
Scale: 1:30  
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9140  
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MAINTENANCE PLAN  
339 W GORHAM STREET  
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