



Madison, Wisconsin

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CITY OF MADISON

CITY ENGINEERING DIVISION

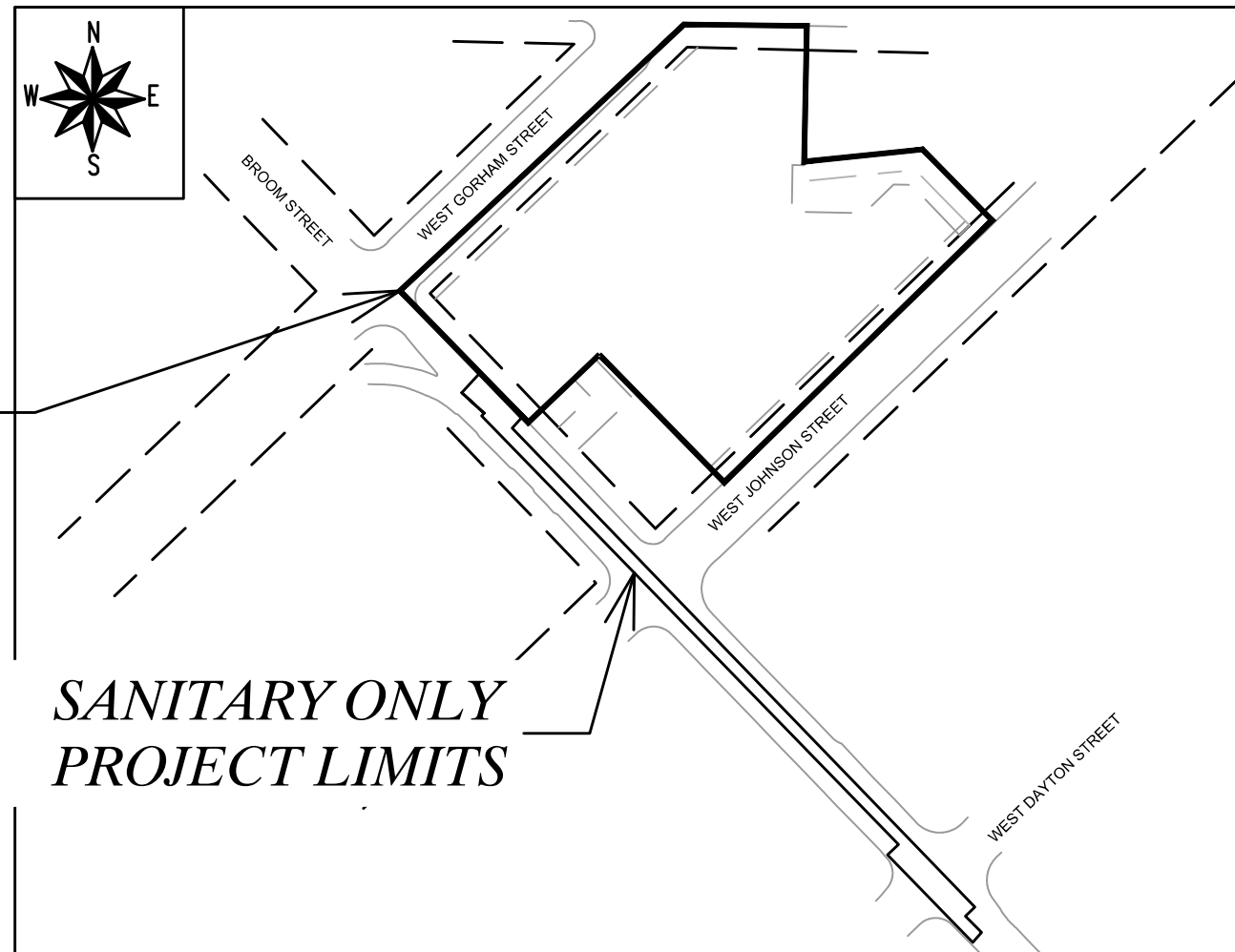
DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

339 W. GORHAM STREET

CITY PROJECT NO. 14001
CONTRACT NO. 9140

PROJECT
LOCATION



SANITARY ONLY
PROJECT LIMITS

PUBLIC IMPROVEMENT PROJECT
APPROVED

FEBRUARY 1, 2022

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

Greg Fries Oct 25, 2022

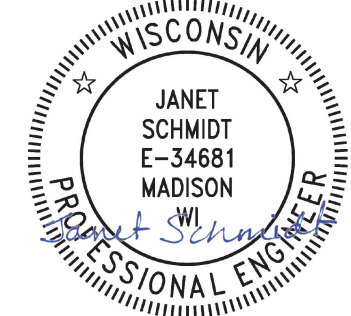
City Engineer Date

STREET GRADES
DESIGNED BY:



Oct 31, 2022

STORM SEWER
DESIGNED BY:



Oct 25, 2022

WATER
DESIGNED BY:

LATERAL
ONLY

SANITARY SEWER
DESIGNED BY:

SEE INDIVIDUAL
SHEETS FOR
STAMP

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 FOR CAD AND ALIGNMENT DATA PRIOR TO STAKING.

CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS

STORM SEWER

SANITARY SEWER

WATER

BURIED ELECTRIC

OVERHEAD ELECTRIC

POWER POLE

ADA COMPLIANT RAMP W/
DETECTABLE WARNING FIELD

COMBUSTIBLE FLUIDS

— G —

— ST —

— SN —

— W —

— E —

— OH —

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.

GENERAL NOTES

339 W GORHAM STREET

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14001

MADISON, WI

9140

CONTRACT NO:

REVISION

MARK

DATE

BY

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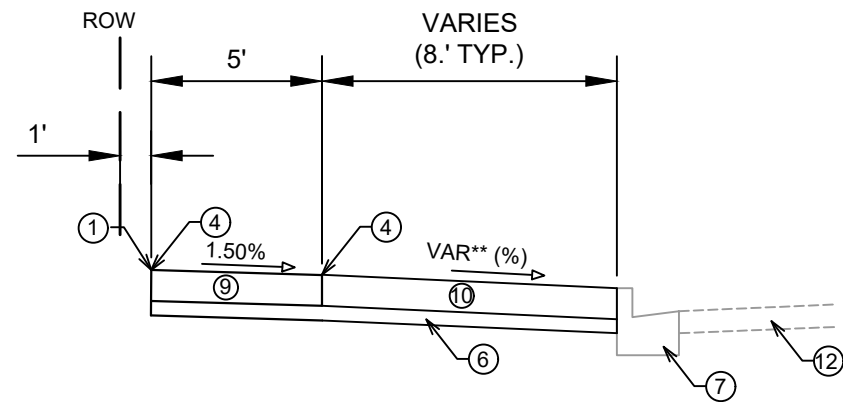
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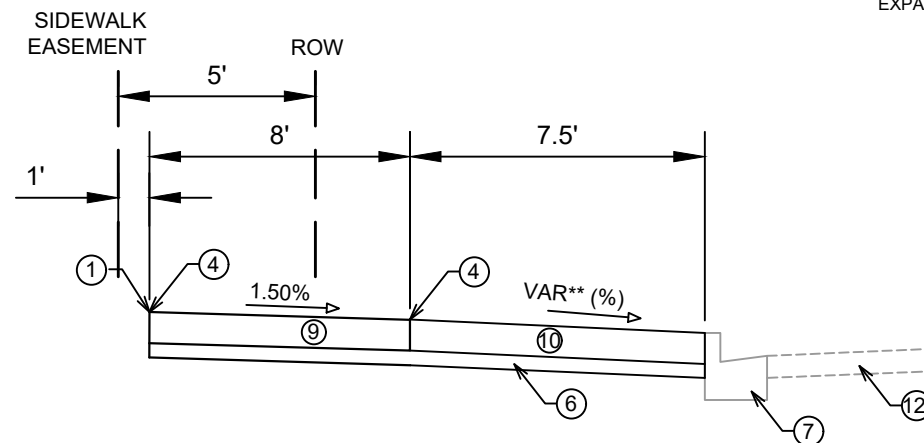
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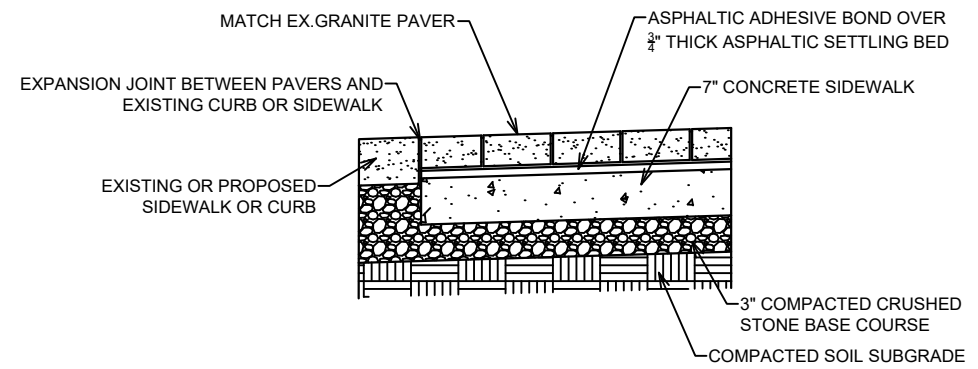
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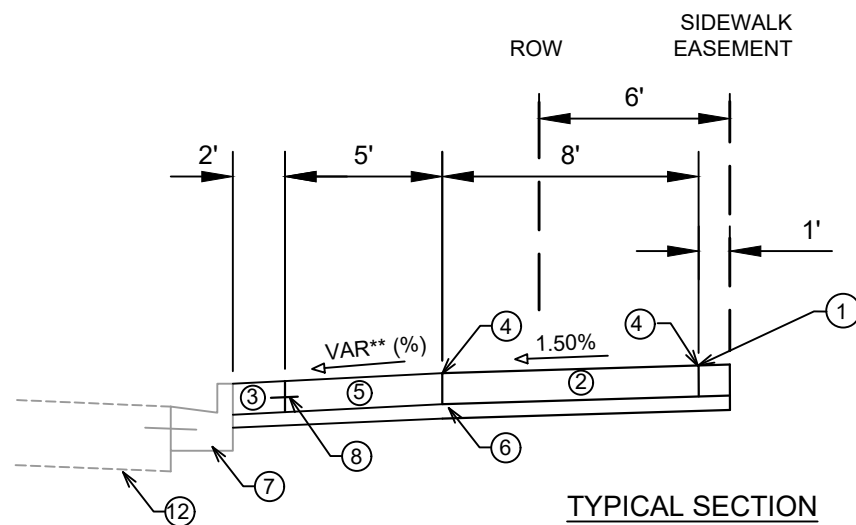
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N BROOM STREET
STA 20+42 TO STA 21+69
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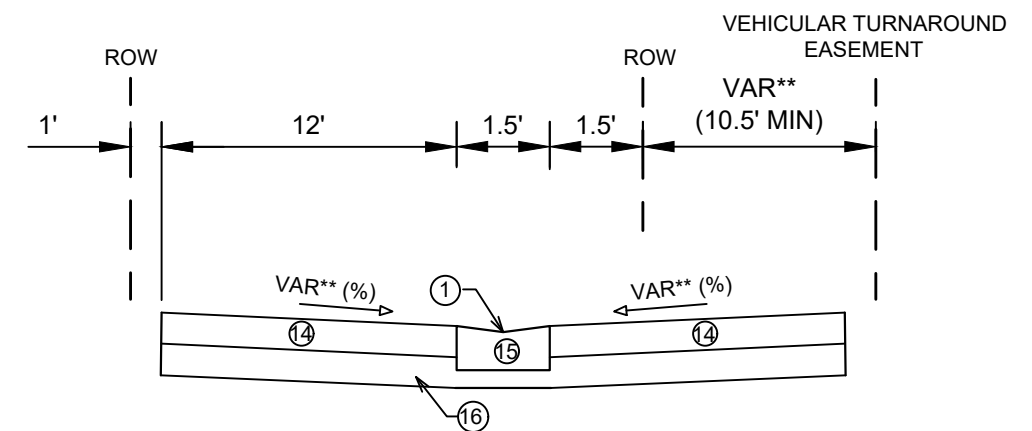
TYPICAL SECTION
W JOHNSON STREET
STA 30+90 TO STA 32+90
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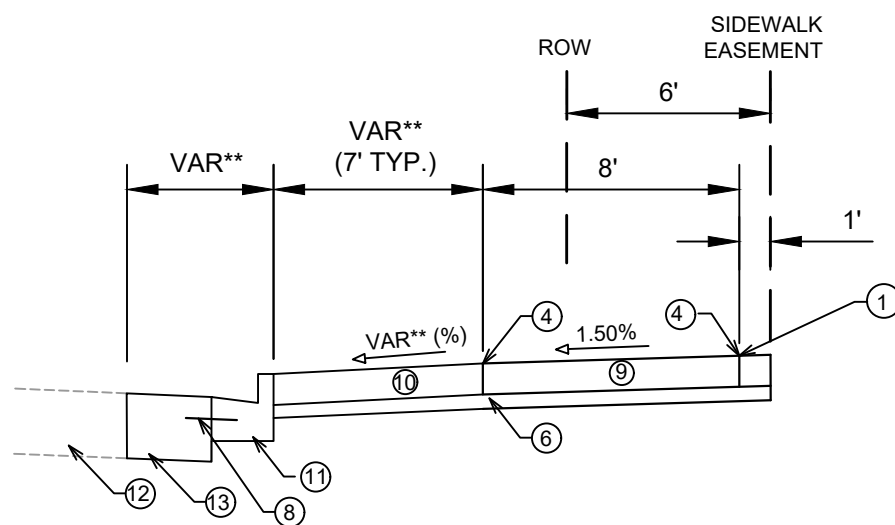
PAVER DETAIL
STATE STREET
(NOT TO SCALE)



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.

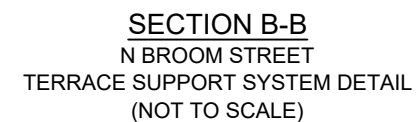
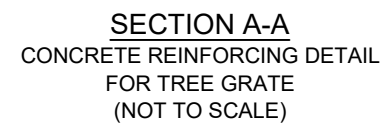
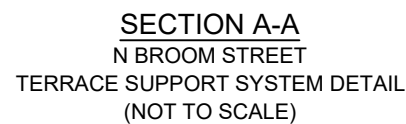
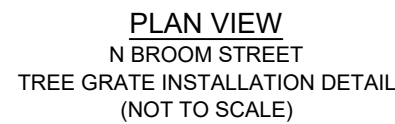
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MADISON, WI
9140
CONTRACT NO:

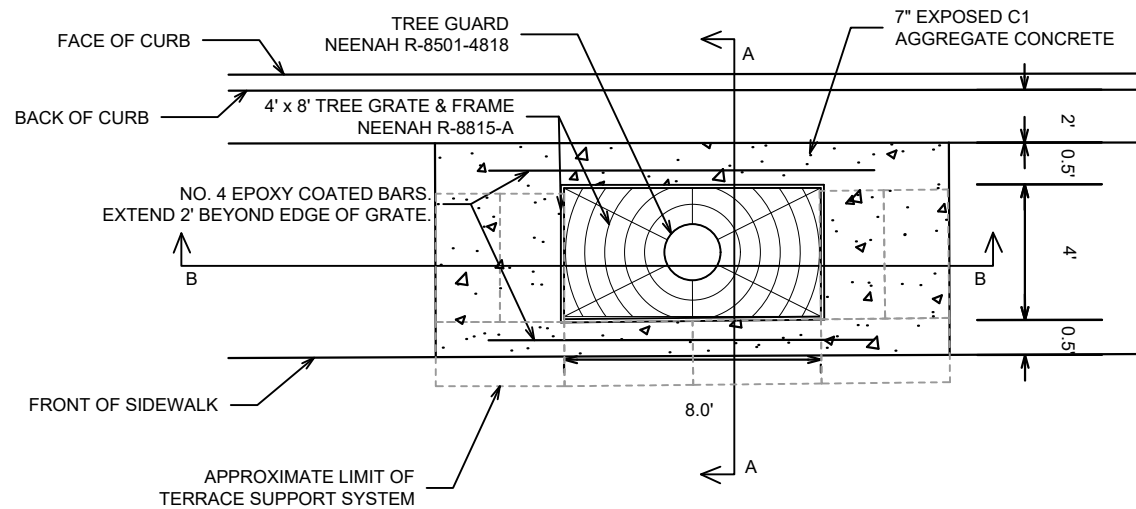
TYPICAL SECTIONS
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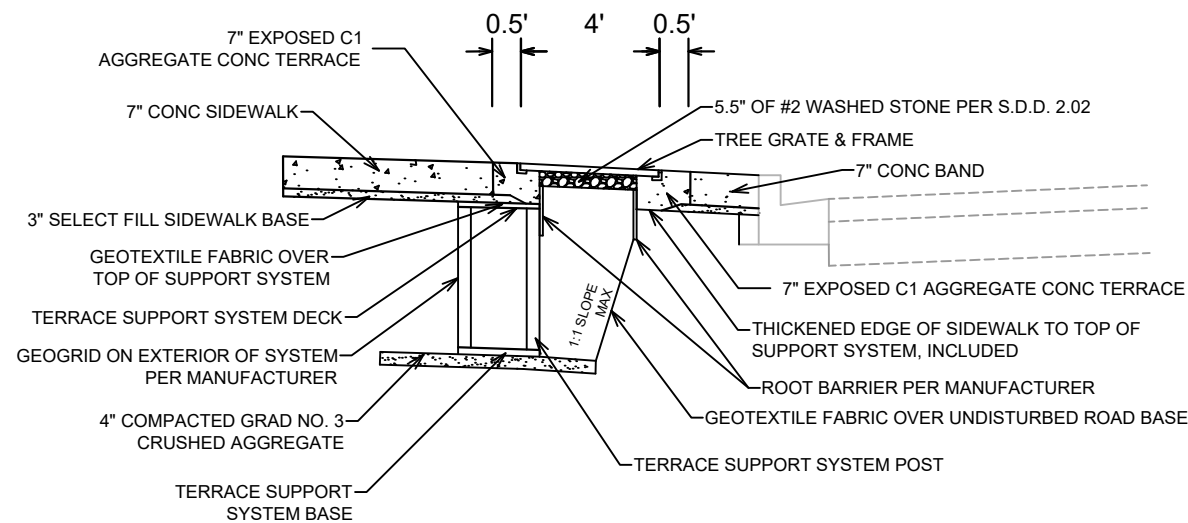
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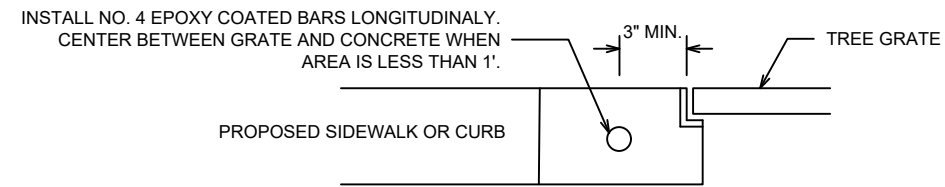
1. LOCATIONS OF TREES AND APPROXIMATE LIMITS OF TERRACES SUPPORT SYSTEM ARE SHOWN ON THE LANDSCAPING PLAN. THE FINAL LAYOUT OF THE SYSTEM IS DEPENDENT ON THE MANUFACTURER SELECTED BY THE DEVELOPER SHALL CONFIRM THE LAYOUT WITH THE ENGINEER & CITY FORESTRY PRIOR TO INSTALLATION.
2. TERRACE SUPPORT SYSTEM 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.



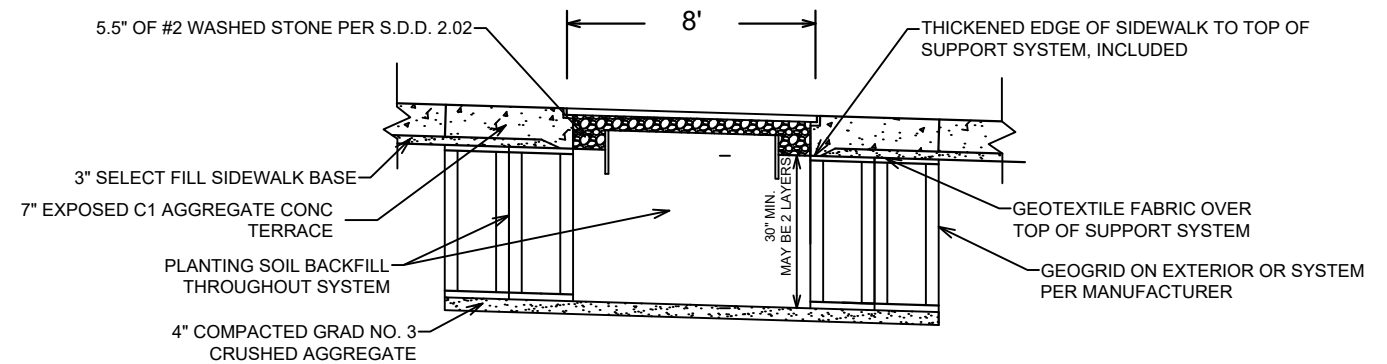
PLAN VIEW
W GORHAM STREET
TREE GRATE INSTALLATION DETAIL
(NOT TO SCALE)



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.
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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.
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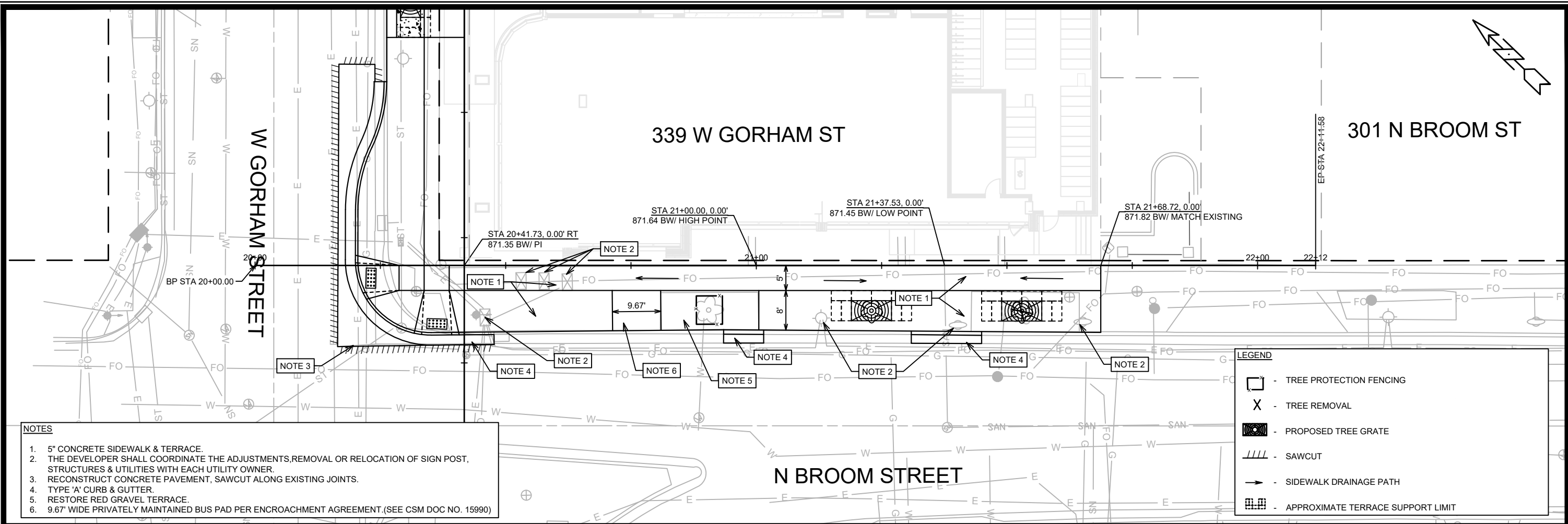
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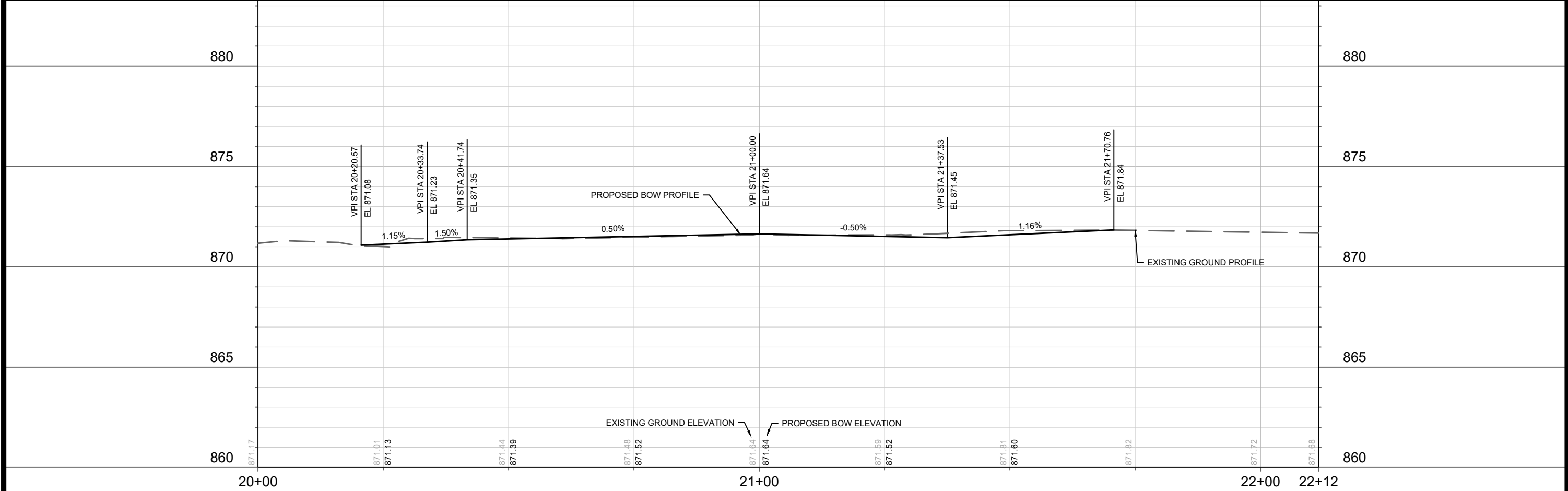
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- NOTES
1. 5" CONCRETE SIDEWALK & TERRACE.
 2. THE DEVELOPER SHALL COORDINATE THE ADJUSTMENTS, REMOVAL OR RELOCATION OF SIGN POST, STRUCTURES & UTILITIES WITH EACH UTILITY OWNER.
 3. RECONSTRUCT CONCRETE PAVEMENT, SAWCUT ALONG EXISTING JOINTS.
 4. TYPE 'A' CURB & GUTTER.
 5. RESTORE RED GRAVEL TERRACE.
 6. 9.67' WIDE PRIVATELY MAINTAINED BUS PAD PER ENCROACHMENT AGREEMENT. (SEE CSM DOC NO. 15990)

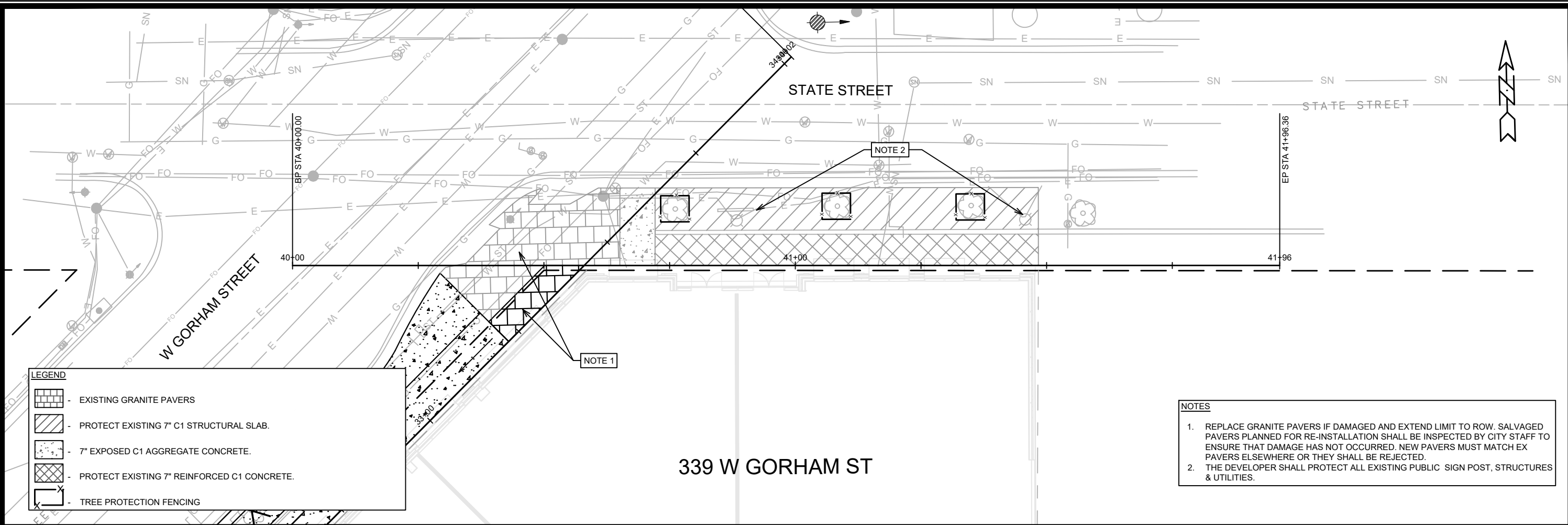
LEGEND

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



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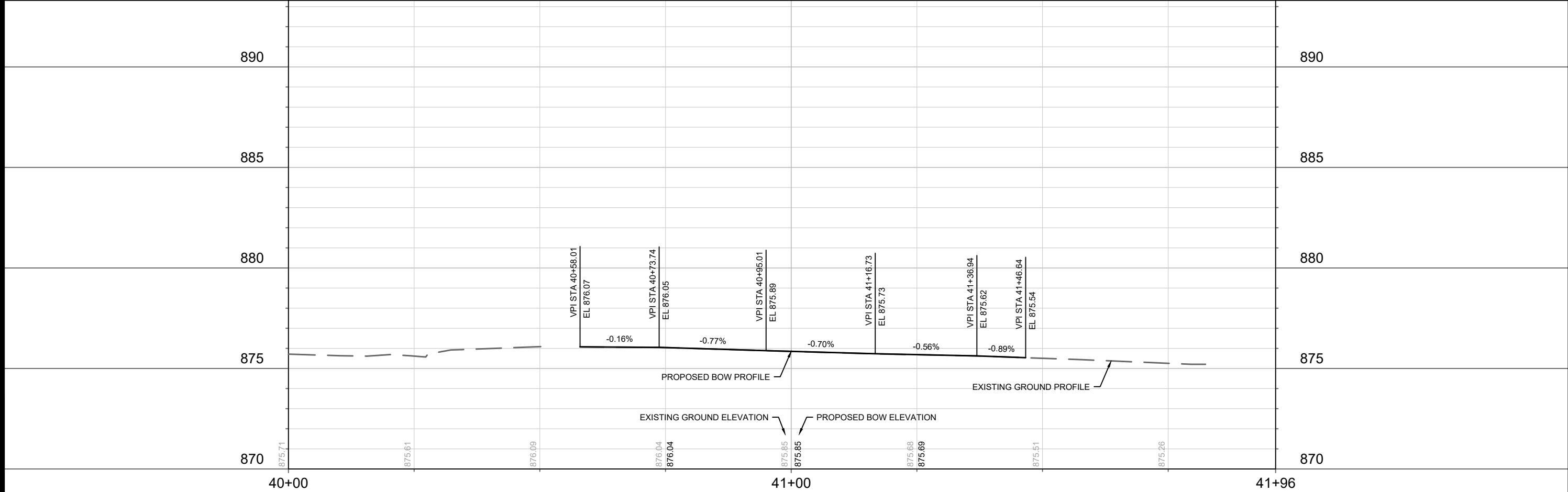
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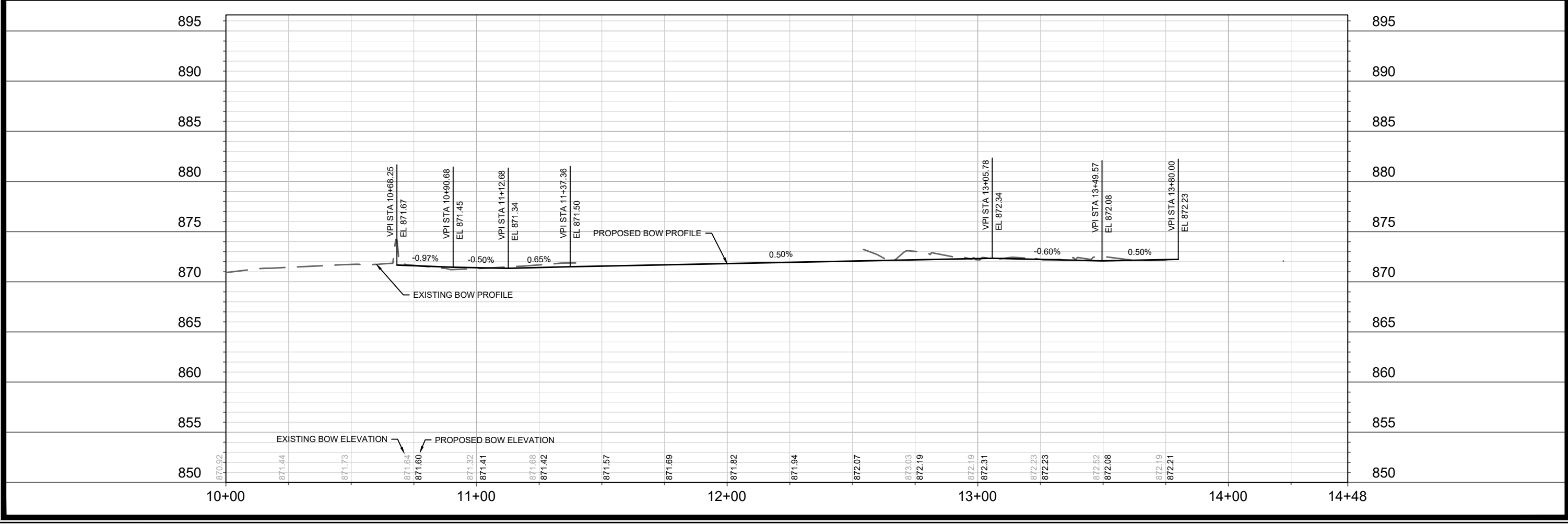
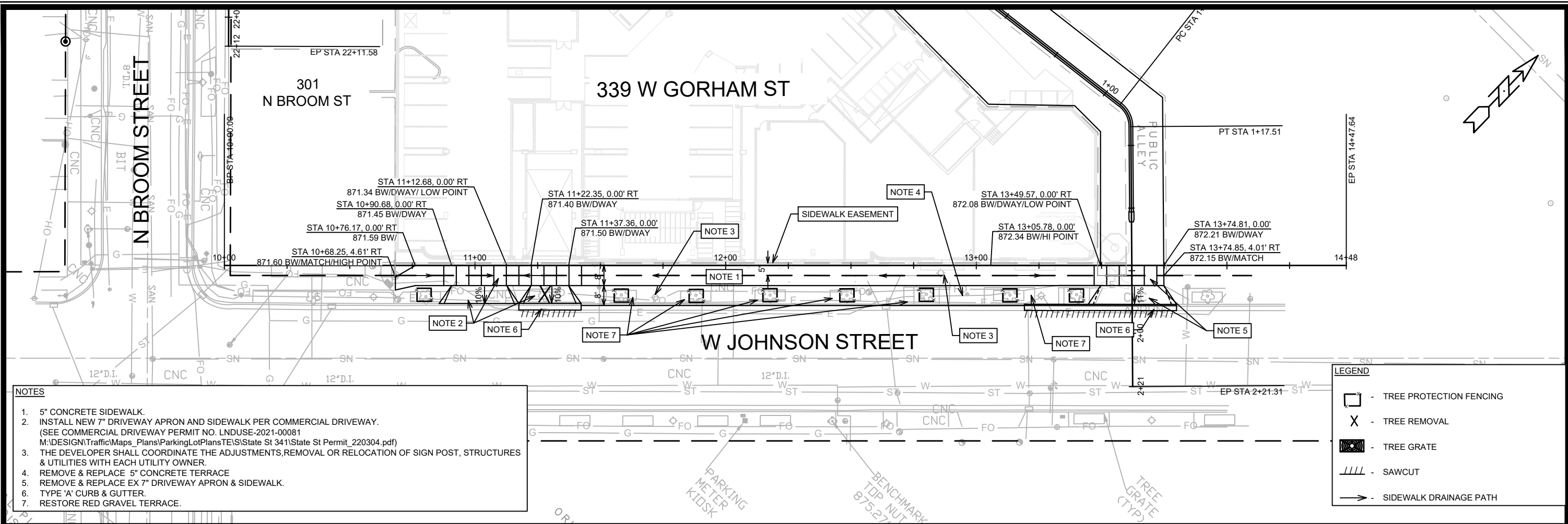
LEGEND

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

- NOTES**
- 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.
 - THE DEVELOPER SHALL PROTECT ALL EXISTING PUBLIC SIGN POST, STRUCTURES & UTILITIES.



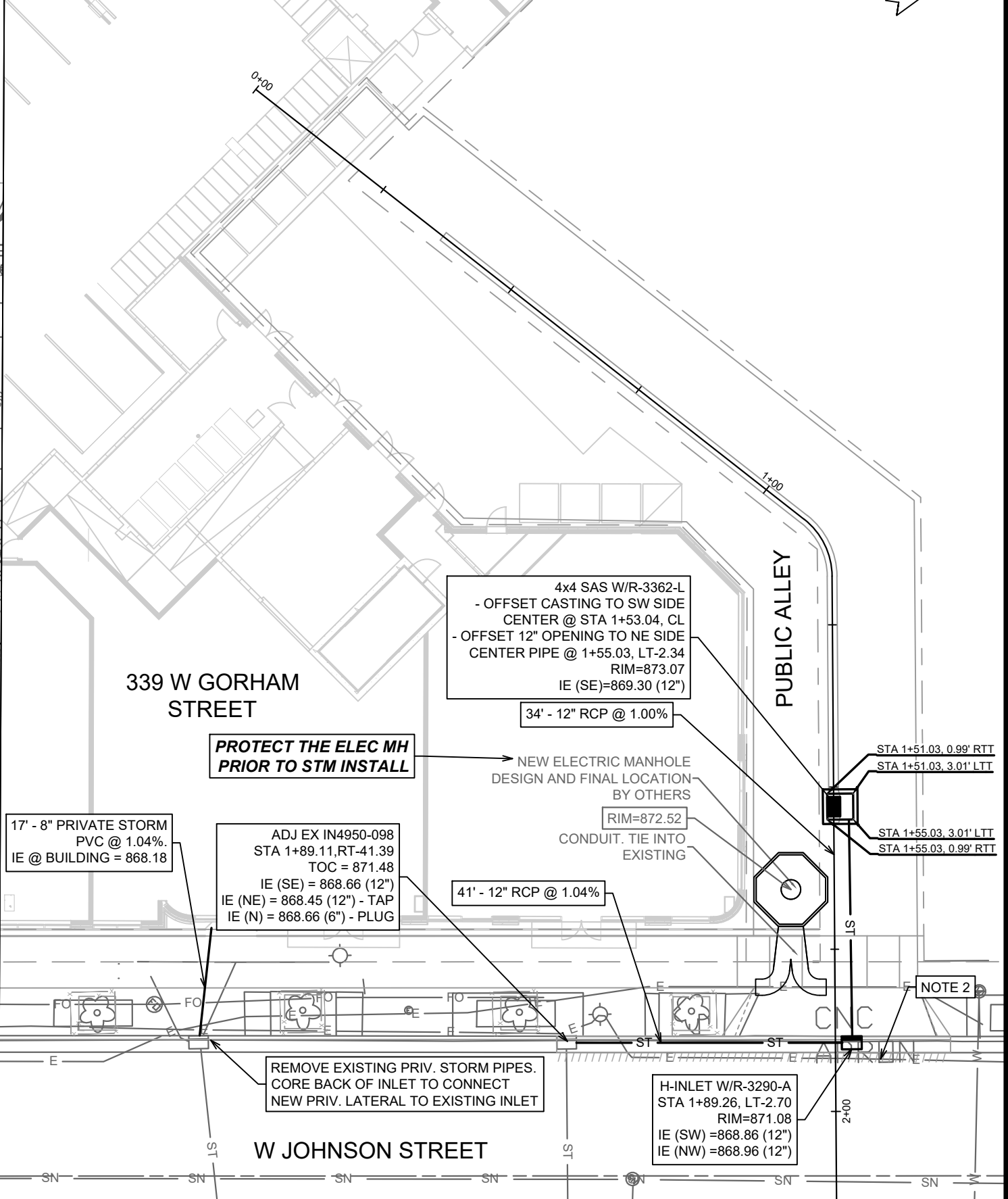
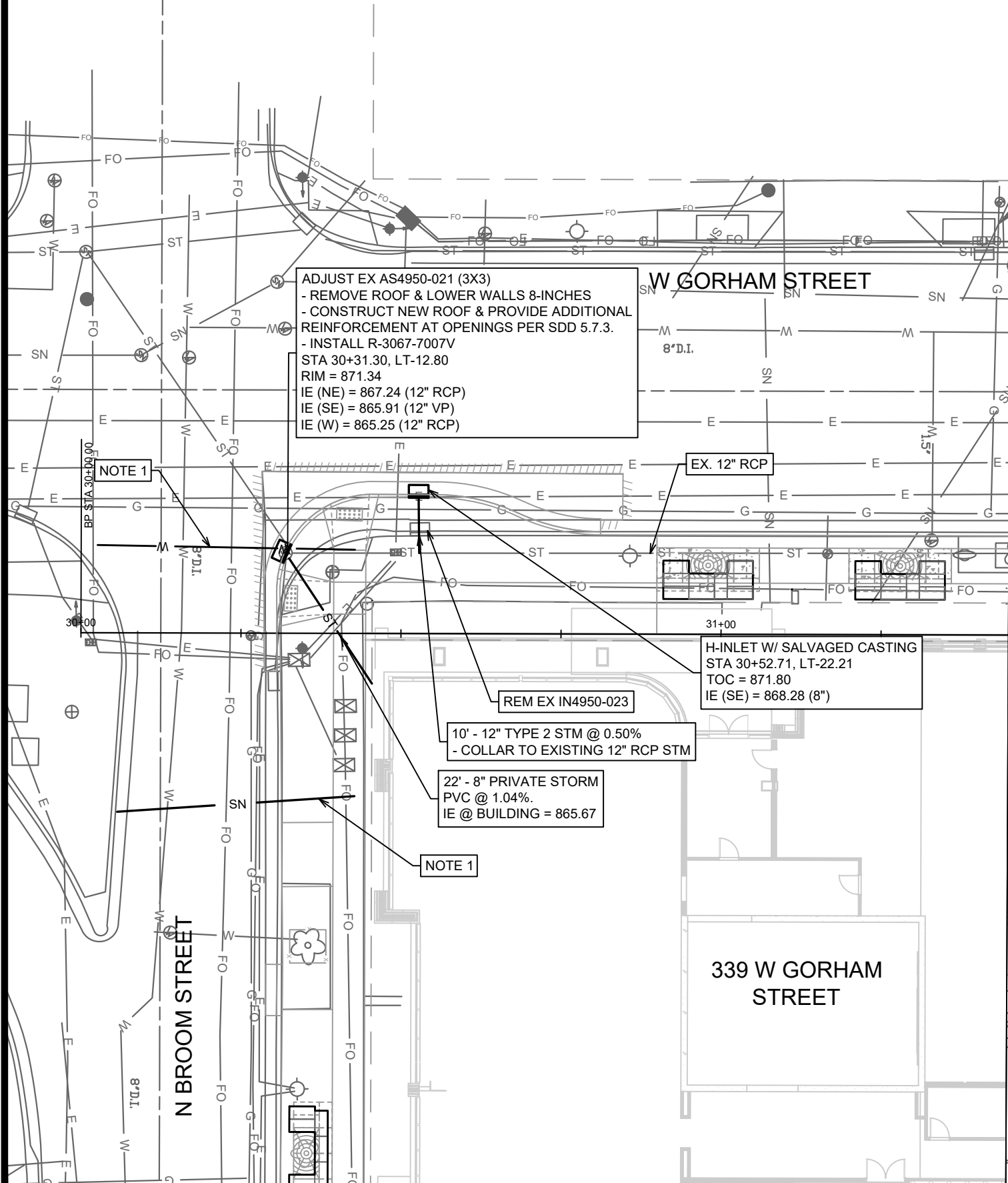
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STREET PLAN AND PROFILE - W JOHNSON STREET		339 W GORHAM STREET		14001		P-4	
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NOTES:
1. SEE SHEET C-601 FOR SANITARY & WATER UTILITY DESIGN DETAILS.
2. COORDINATE INSTALLATION OF STORM SEWER CROSSINGS OF EXISTING TRAFFIC ENGINEERING CONDUITS WITH TE ELEC SHOP A MINIMUM OF 3-DAYS IN ADVANCE OF EXCAVATION.
CONTACT: CHAD VEINOT (608-267-1960).

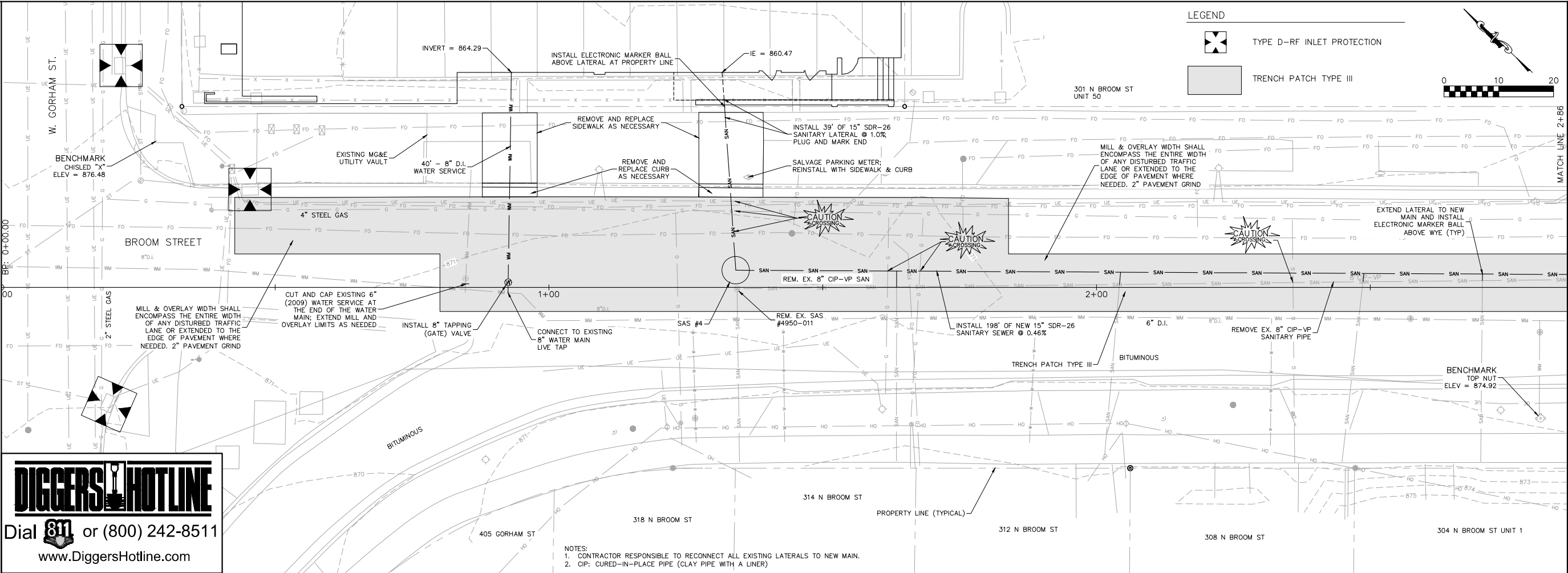


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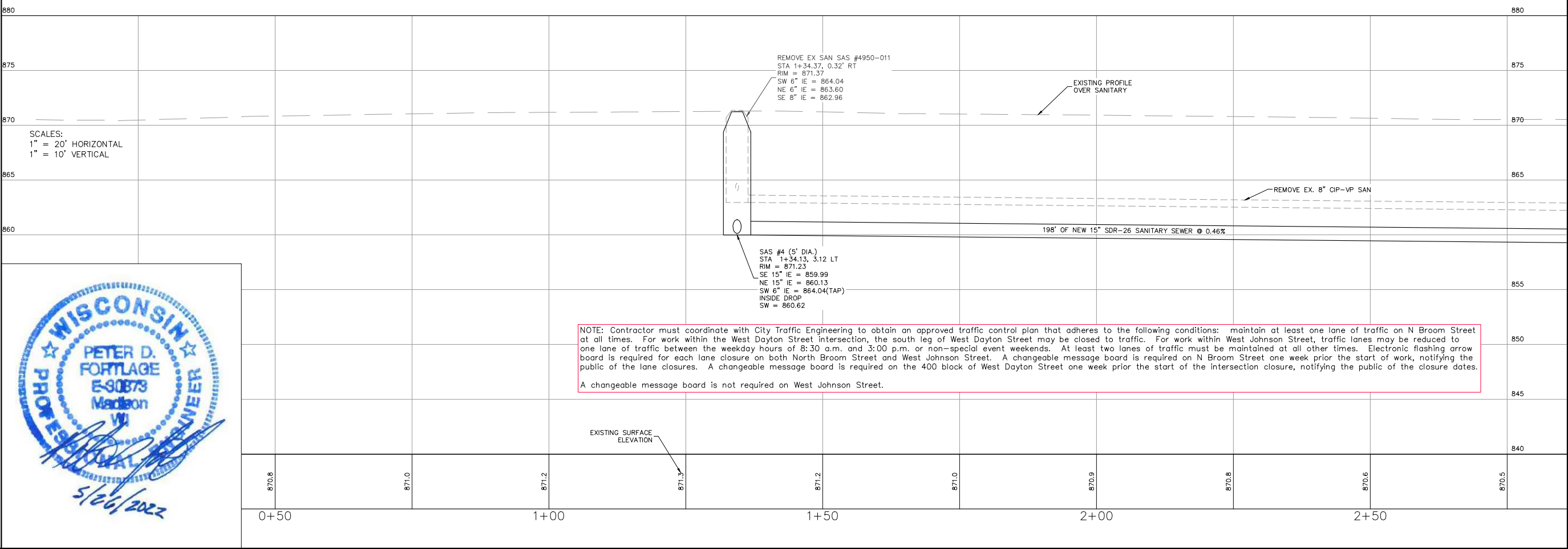
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STORM SEWER PLAN
339 W GORHAM STREET
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DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com



2801 International Lane, Suite 101
Madison, WI 53704
Phone: 608-250-9263
Fax: 608-250-9266
e-mail: Mause@BSE-INC.net
www.bursesurveyeng.com

APPROVALS

PROJECT ENG.	MLB	DRH	DRH	PDF	MLB
SUBMITTED BY	REVIEWED BY	DRAWN BY	CHECKED 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:

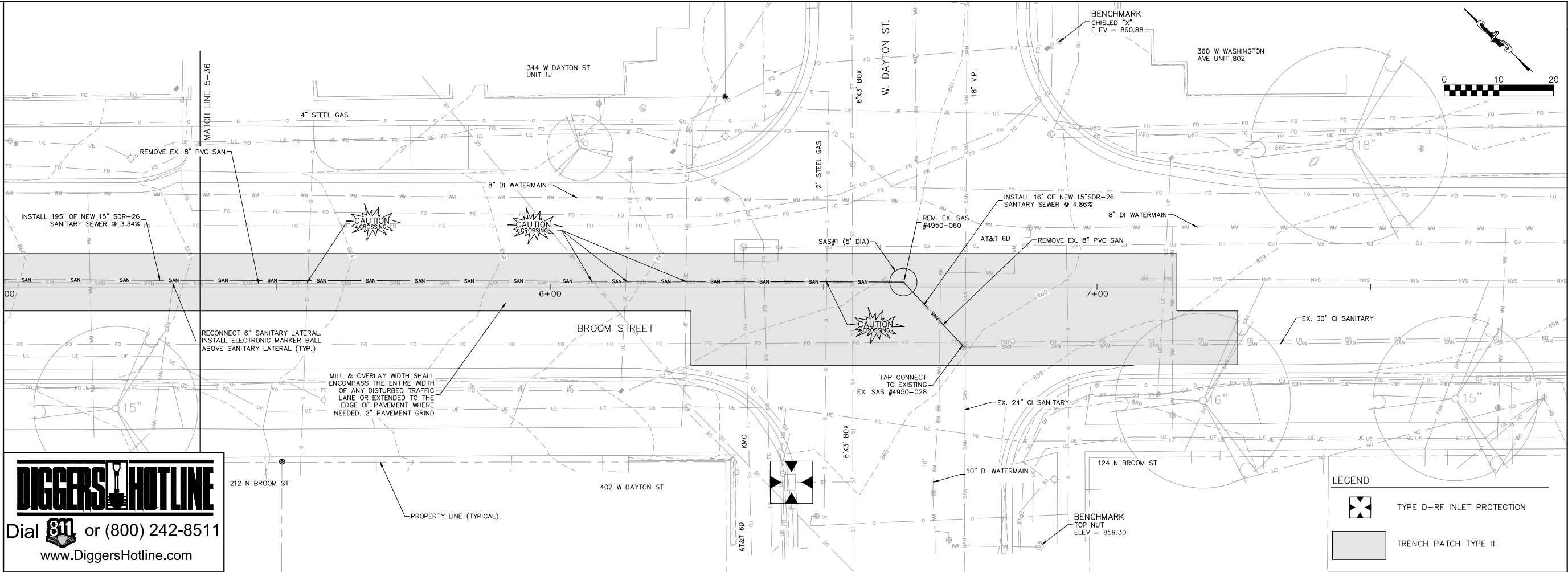
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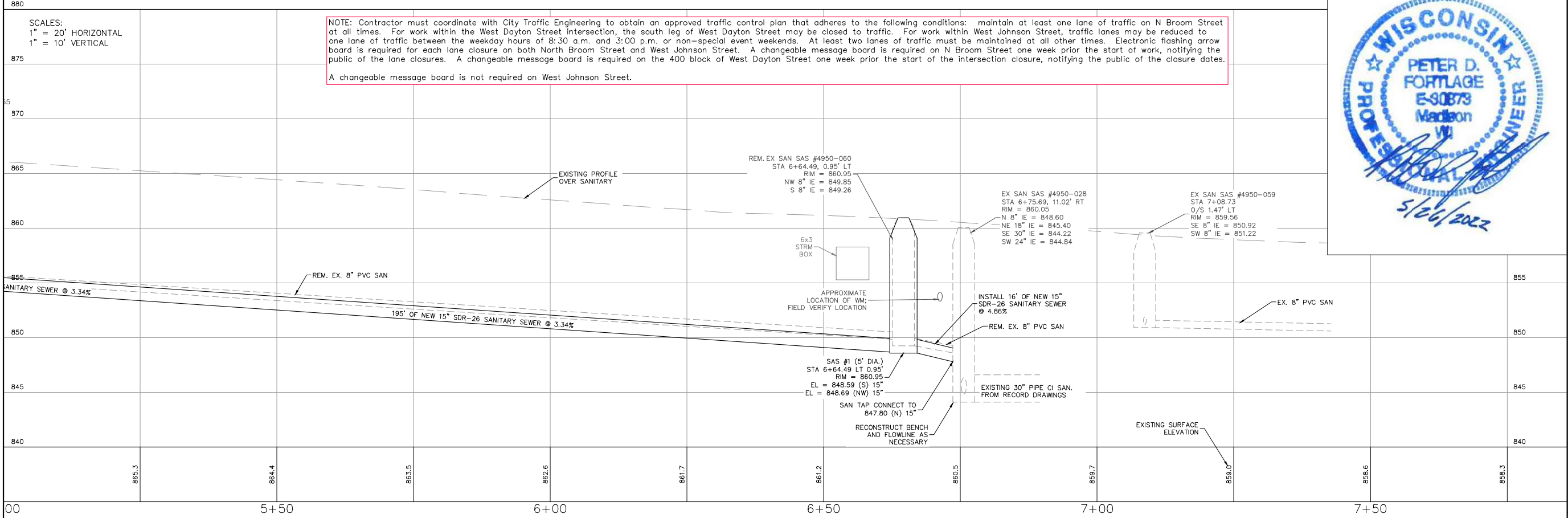
SANITARY SEWER
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DRAWING NUMBER
C-601



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APPROVALS	MLB	DRA	DRA	PDC	MLB
REVIEWED BY	REVIEWED BY	DESIGNED BY	CHECKED BY	APPROVED BY	

oLiv Madison
339 W. Gorham Street
Madison, WI 53703

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

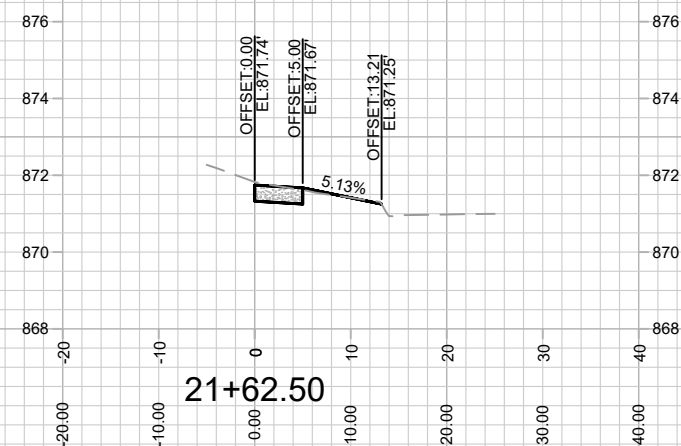
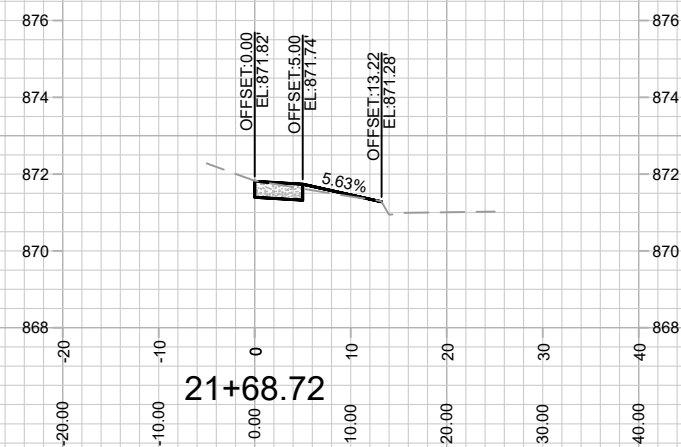
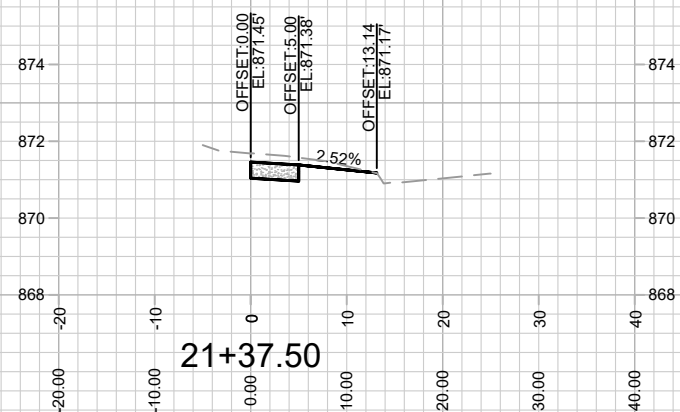
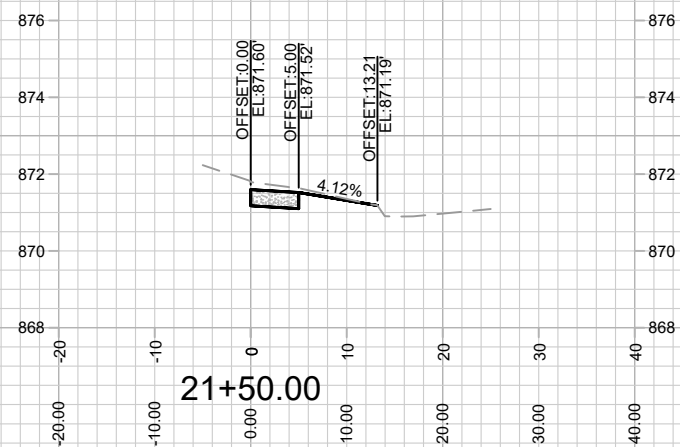
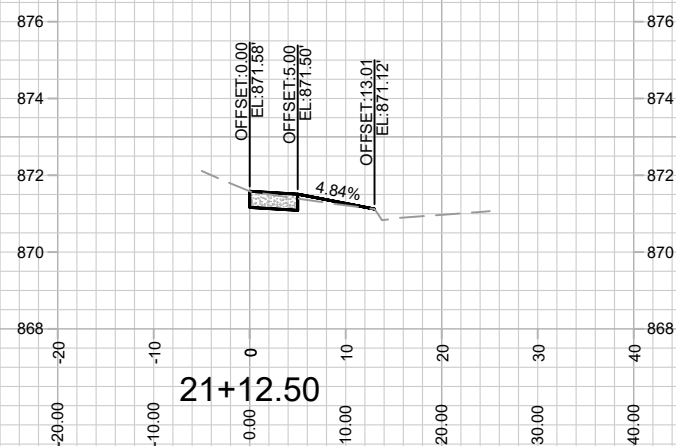
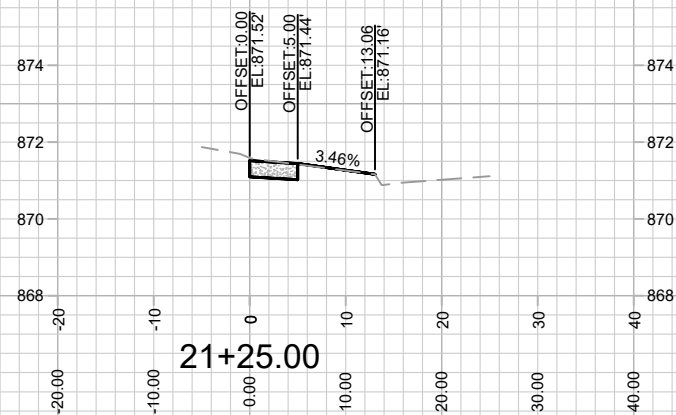
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PLOT DATE:	05/26/2022
REVISION DATES:	

ISSUE DATES:	05/12/2022
	05/23/2022
	05/26/2022

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DRAWING NUMBER
C-603



14001

X-2

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339 W GORHAM STREET

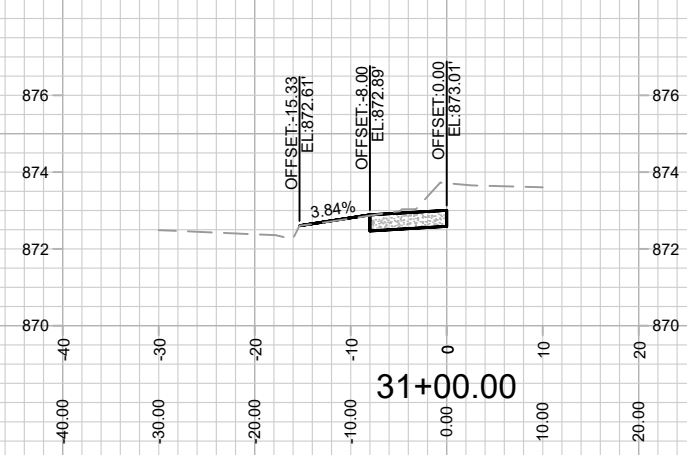
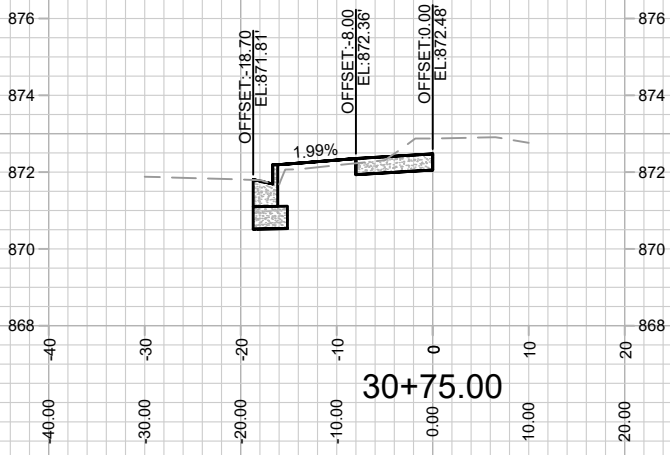
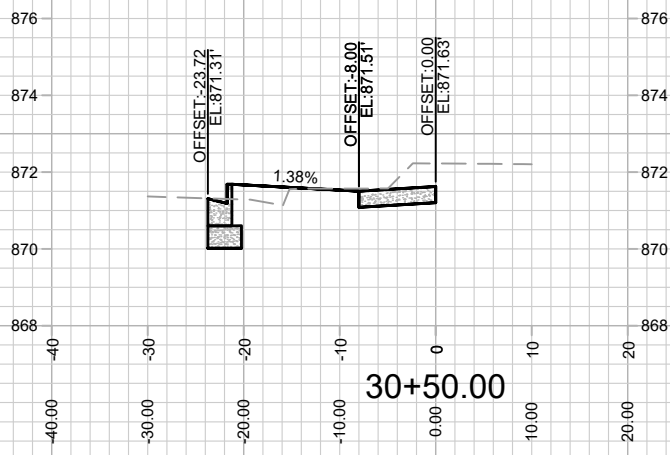
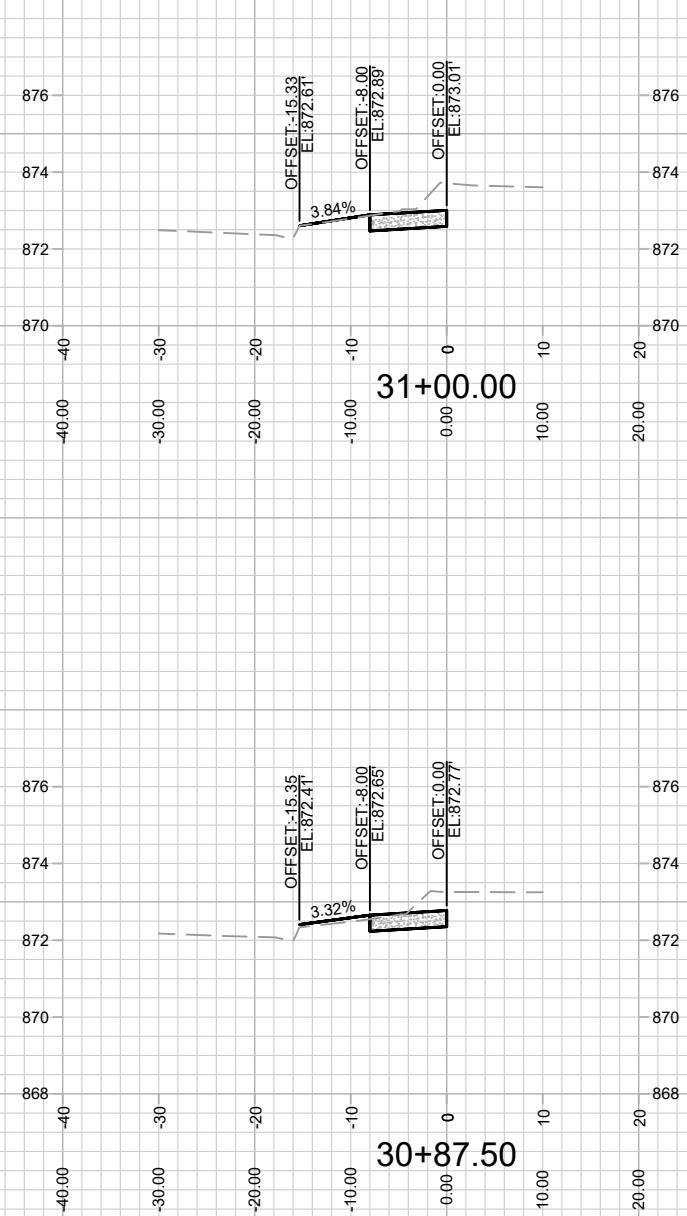
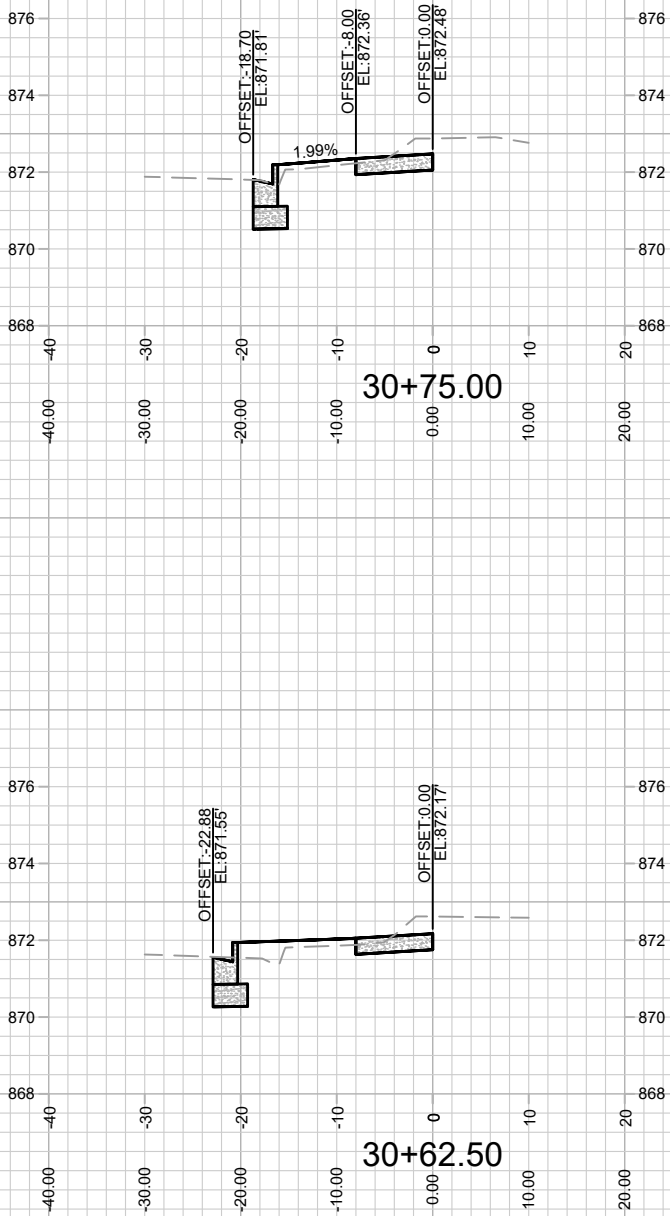
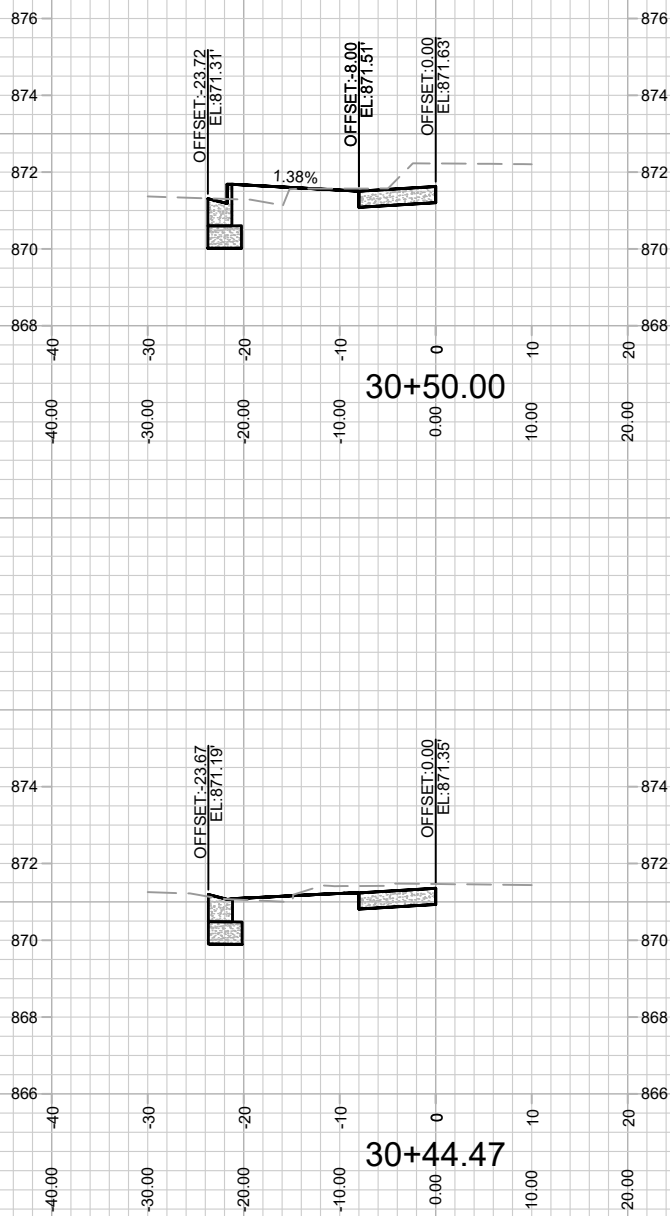
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MADISON, WI

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X-3

CROSS SECTIONS - W GORHAM STREET

339 W GORHAM STREET

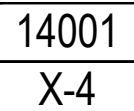
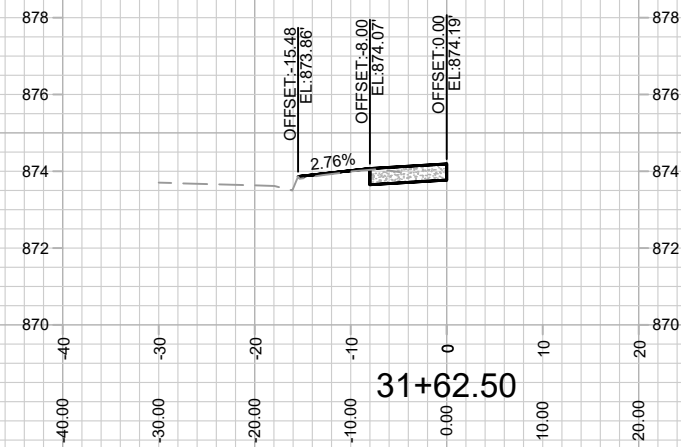
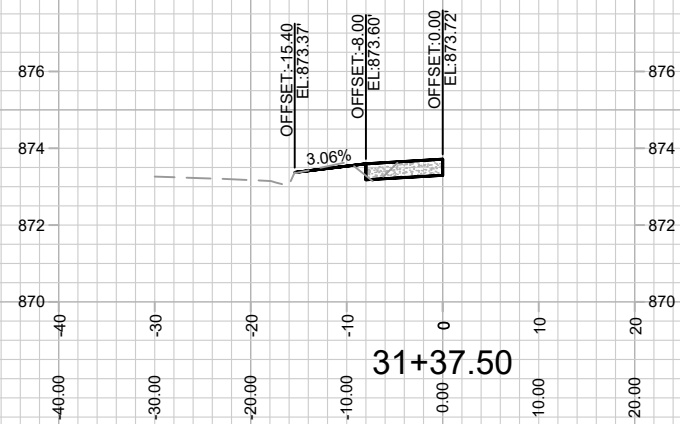
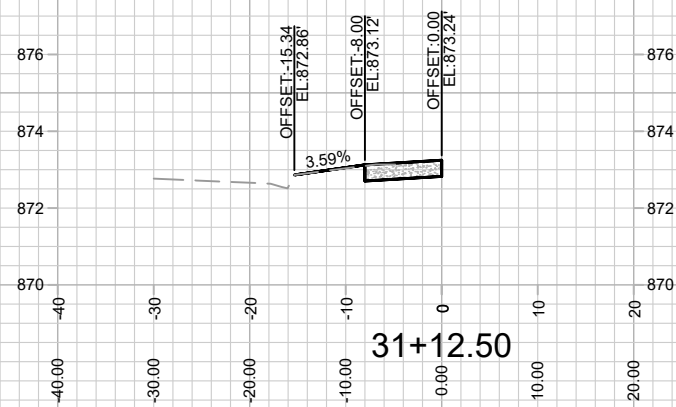
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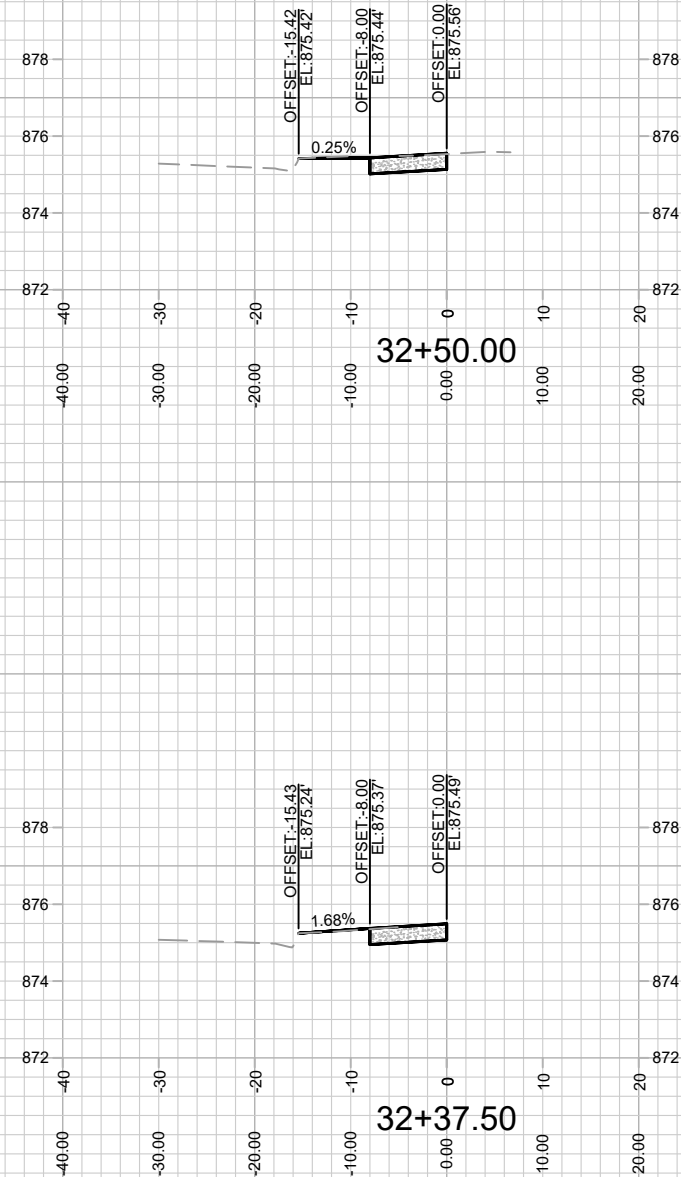
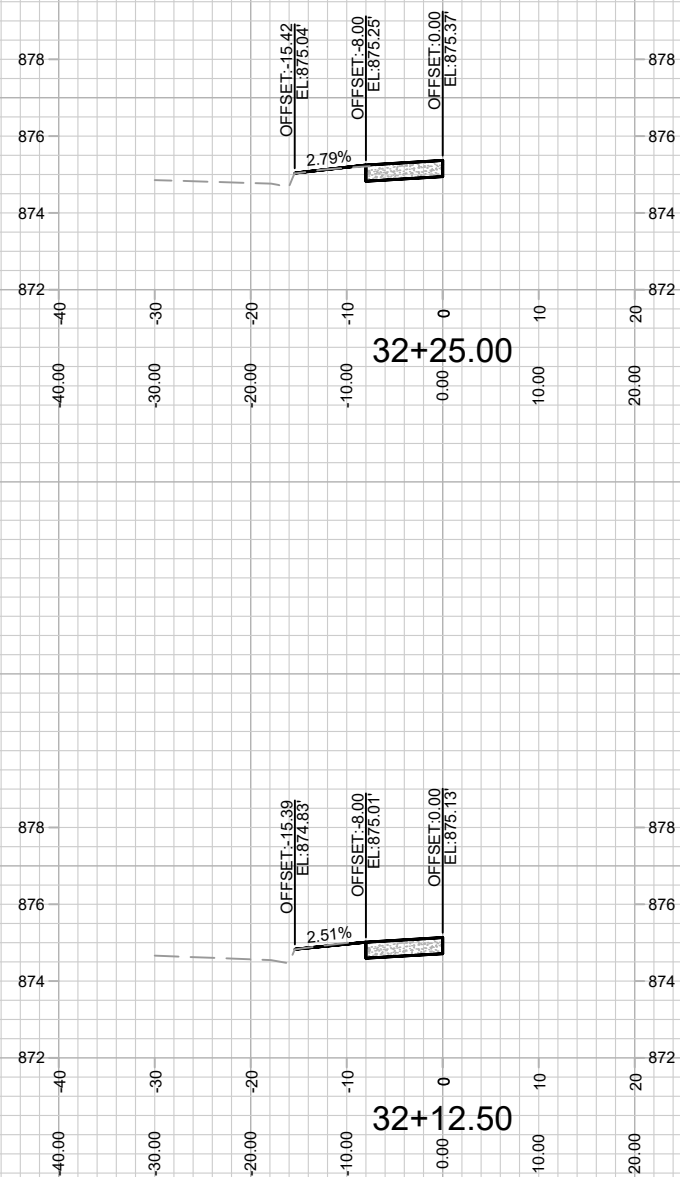
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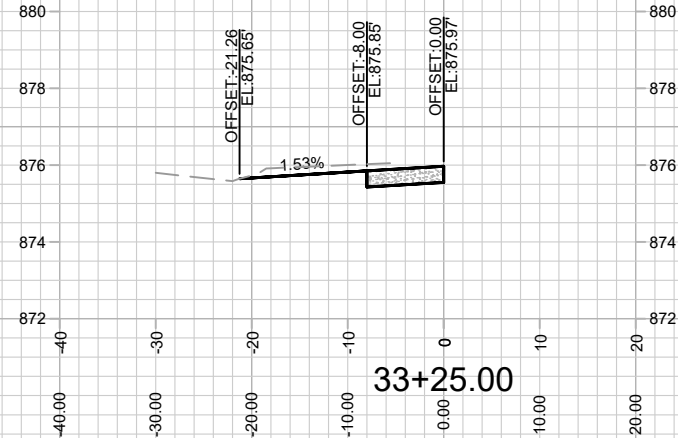
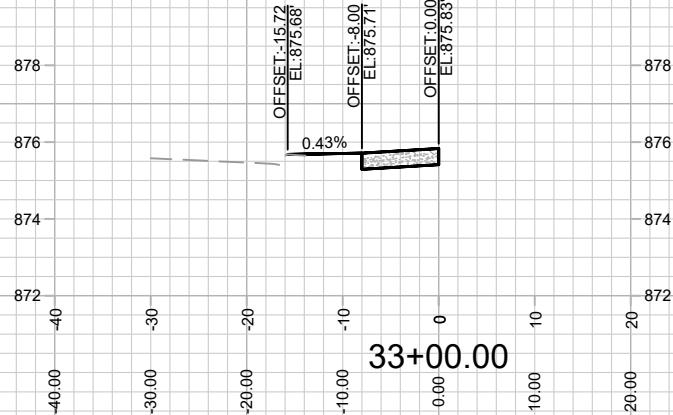
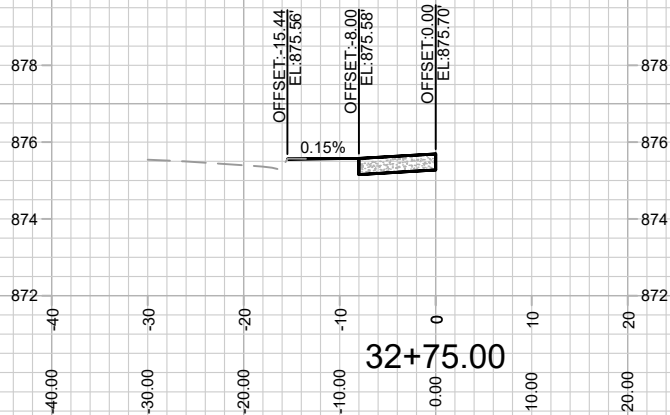
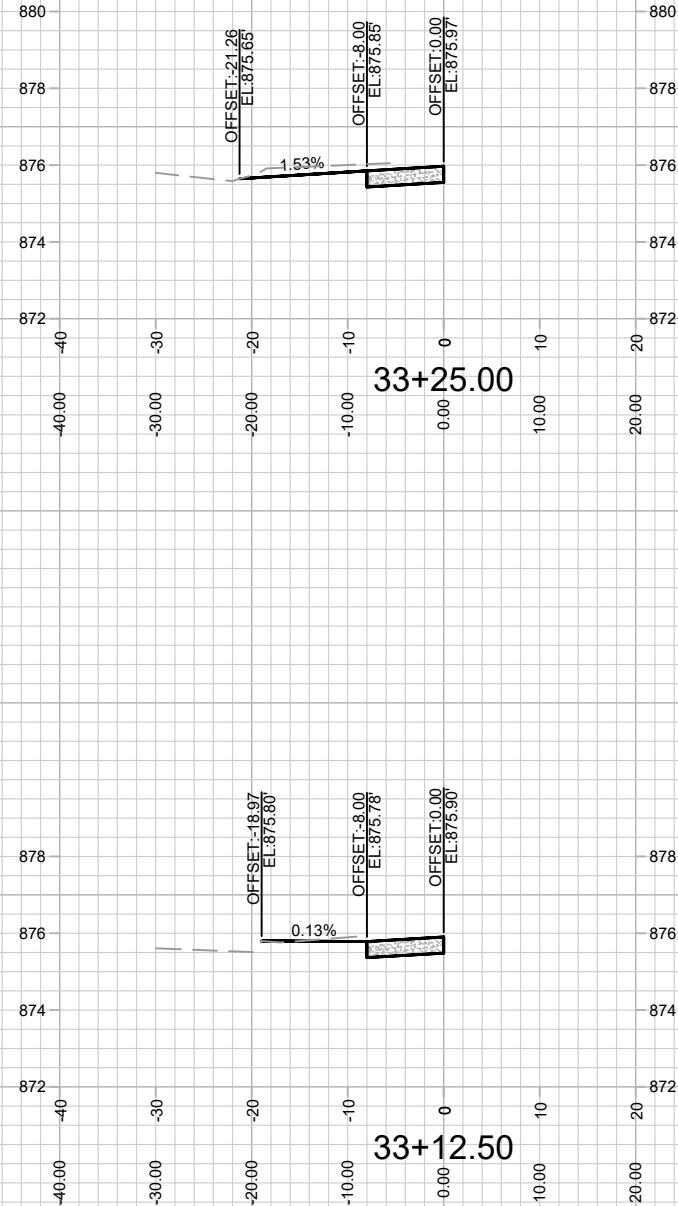
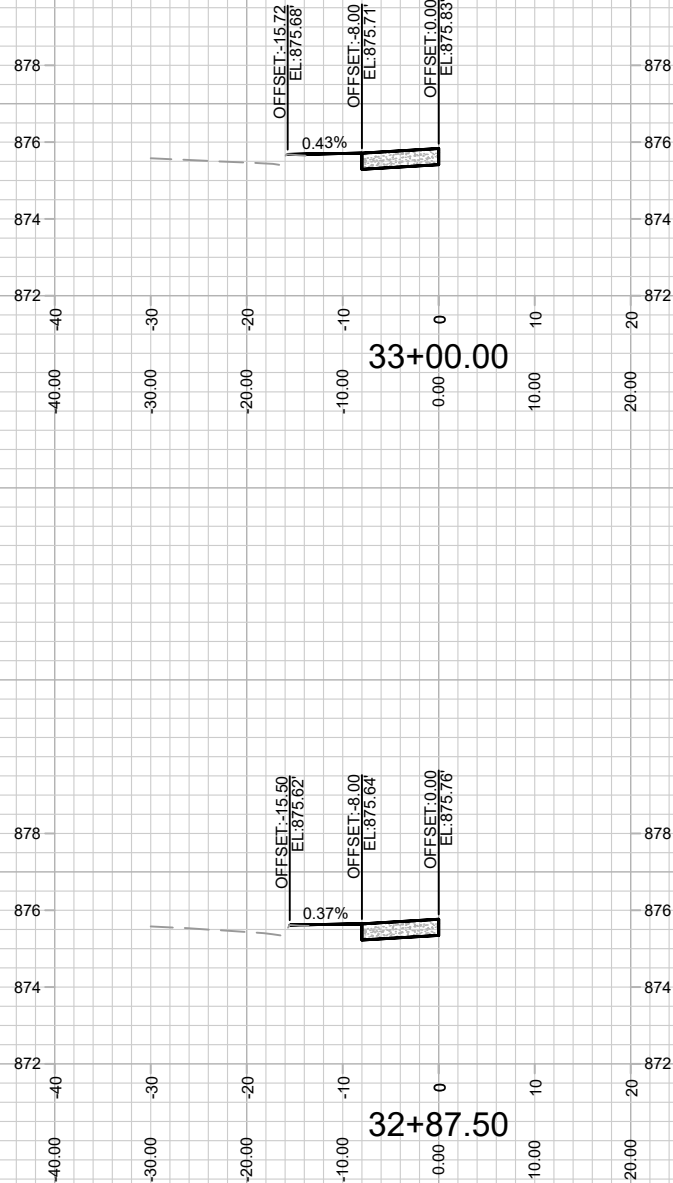
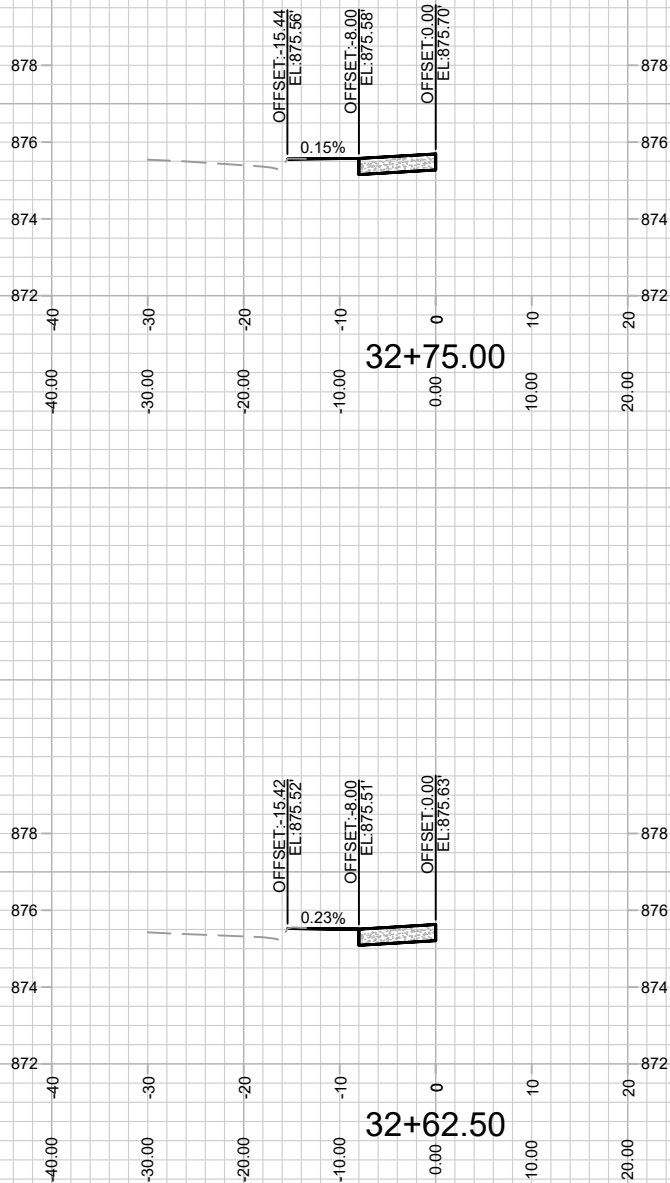
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CROSS SECTIONS - W GORHAM STREET

339 W GORHAM STREET

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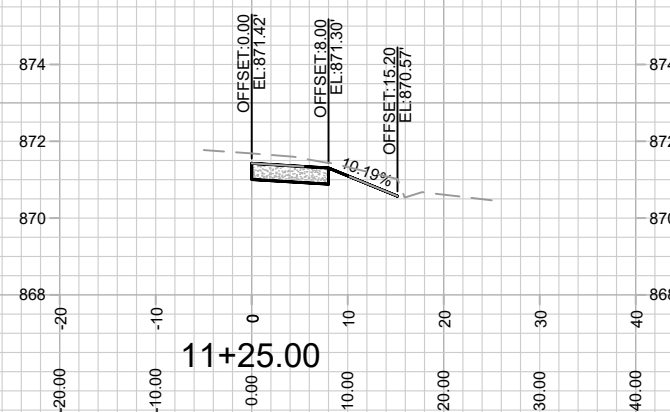
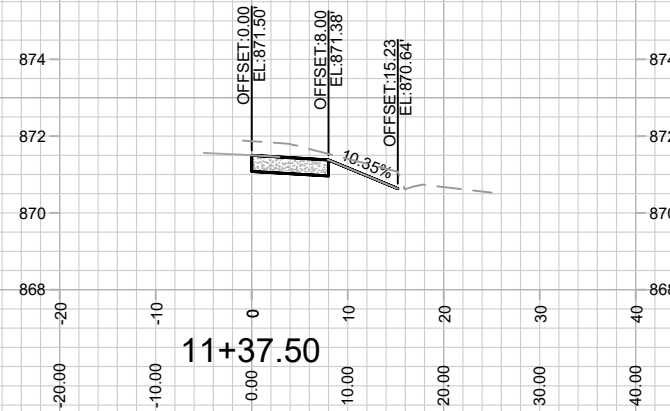
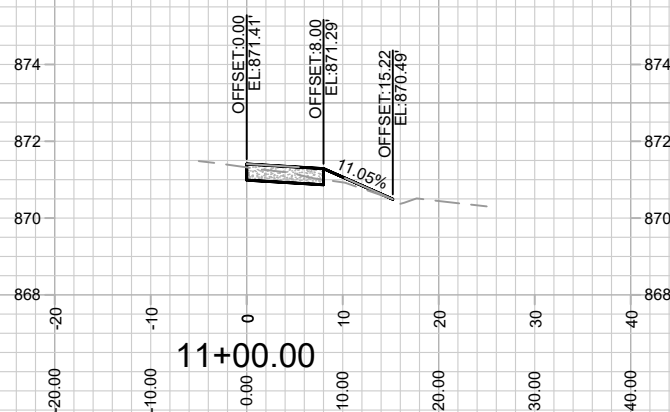
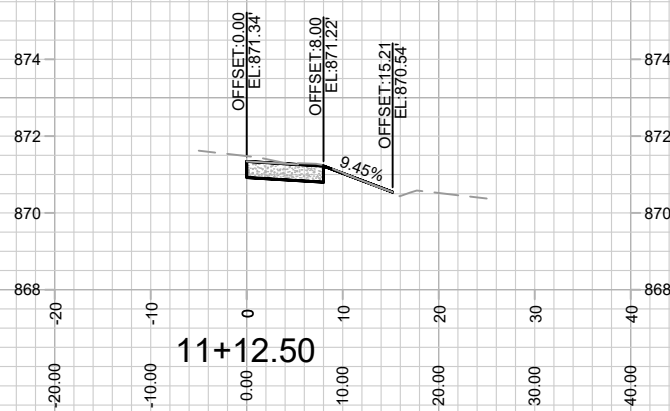
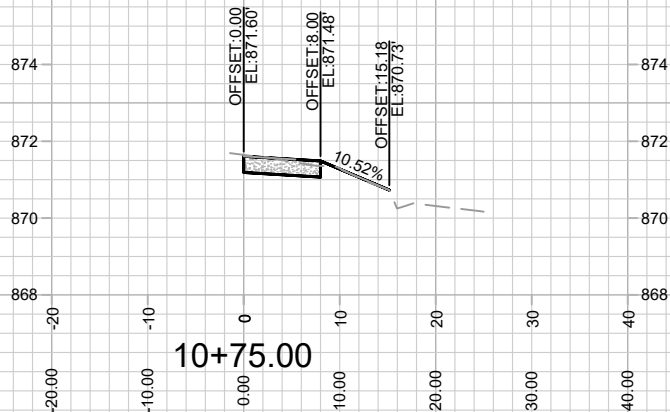
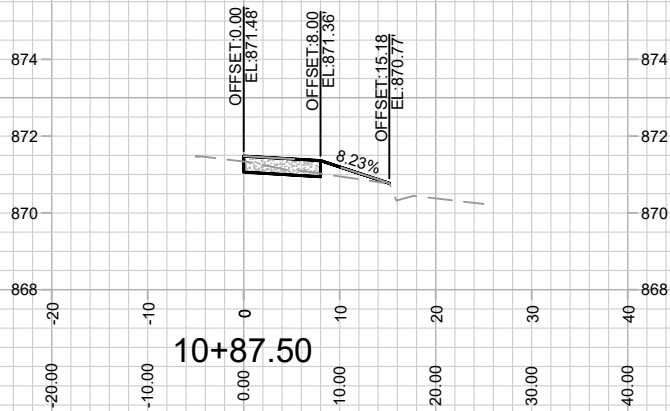
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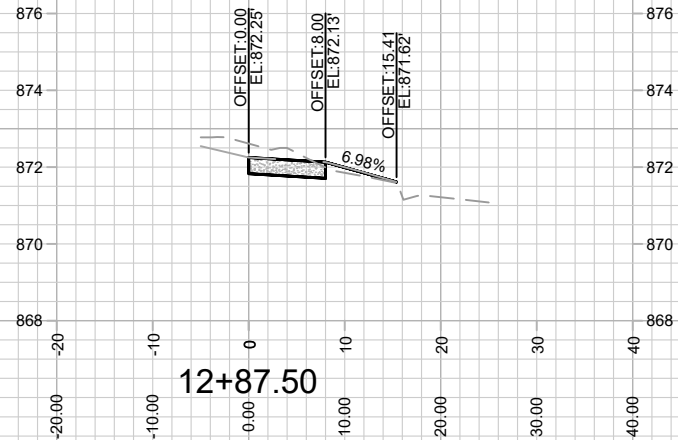
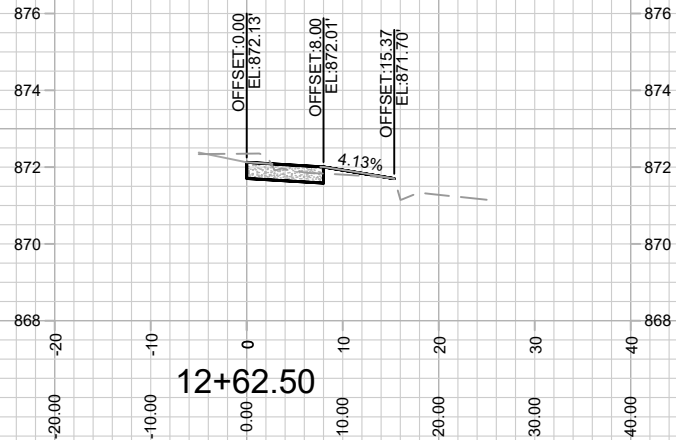
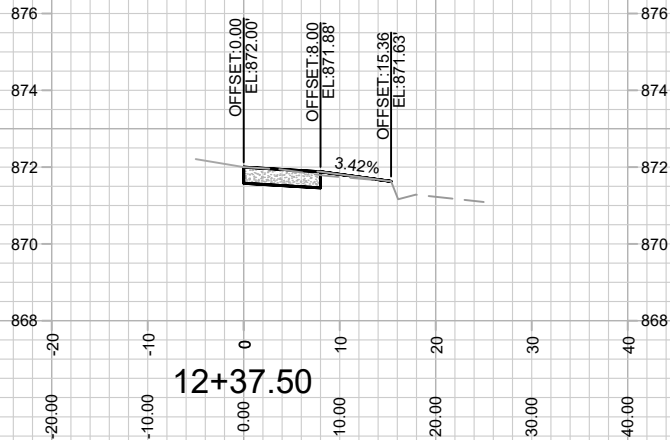
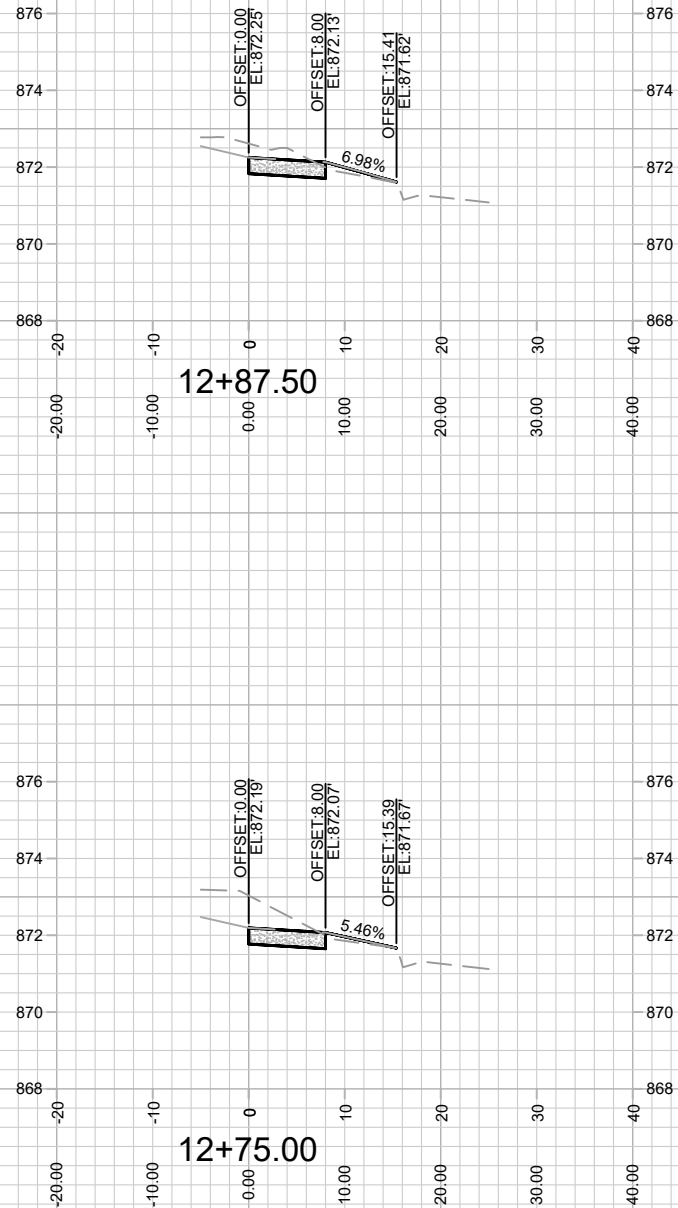
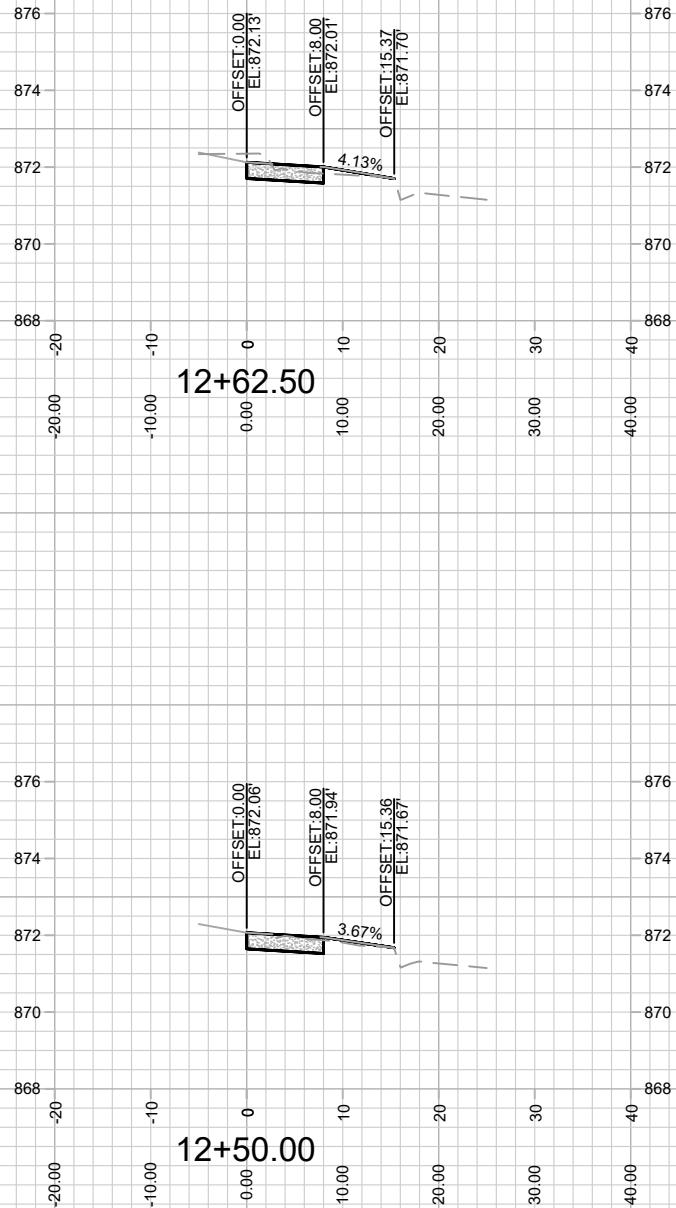
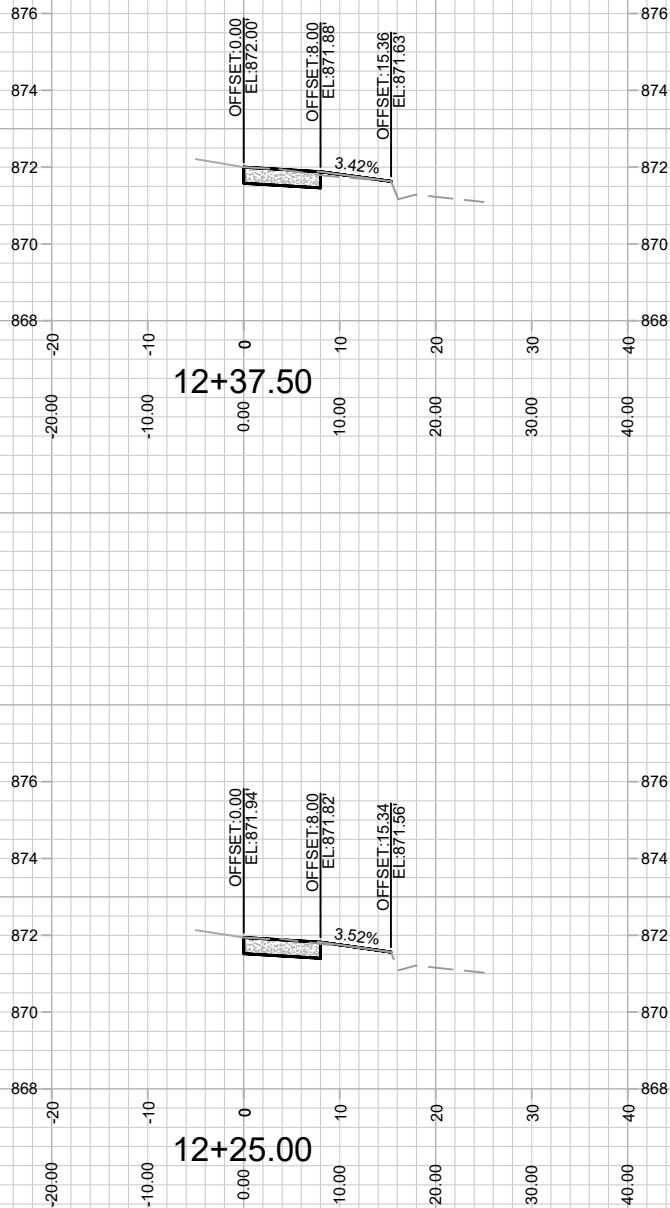


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9/28/2022	3:12 PM
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CROSS SECTIONS - W JOHNSON STREET

339 W GORHAM STREET

MADISON, WI

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CONTRACT NO:

9140

REVISION

MARK

Desiged By: LMC

Date: 9/6/2022 12:39 PM

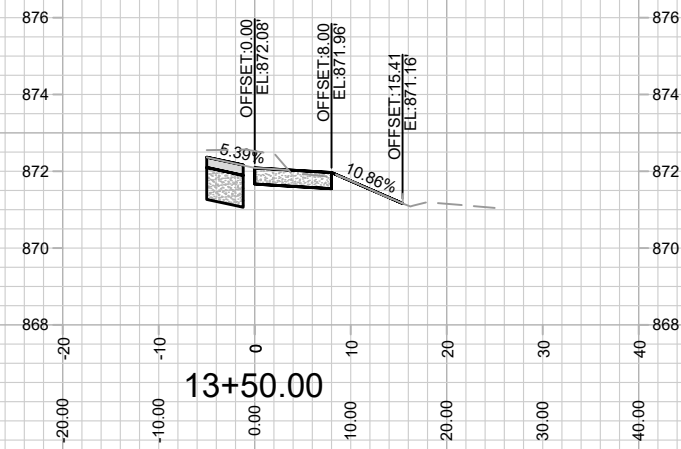
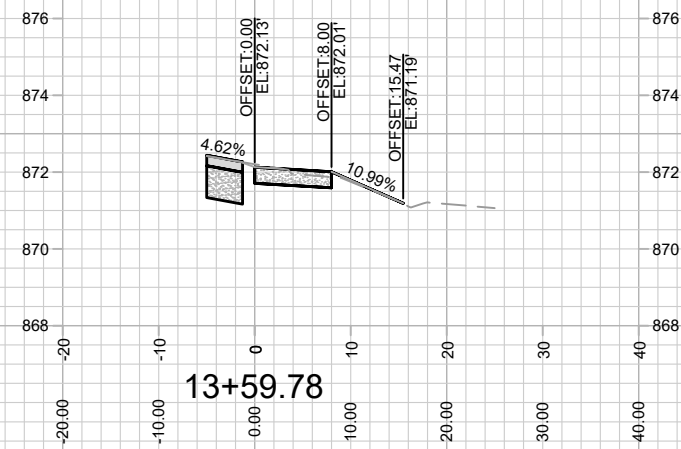
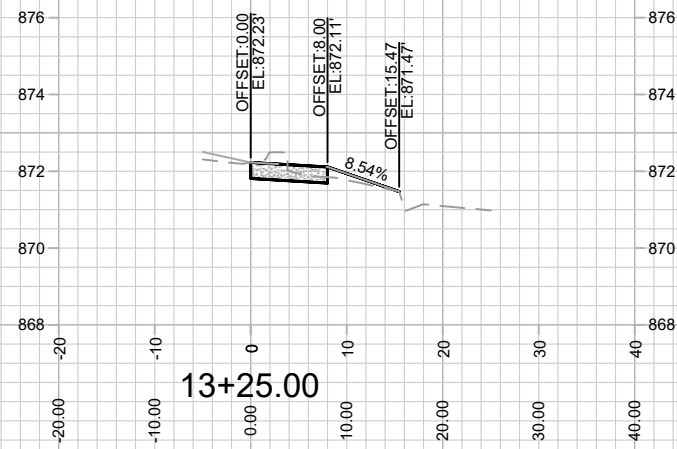
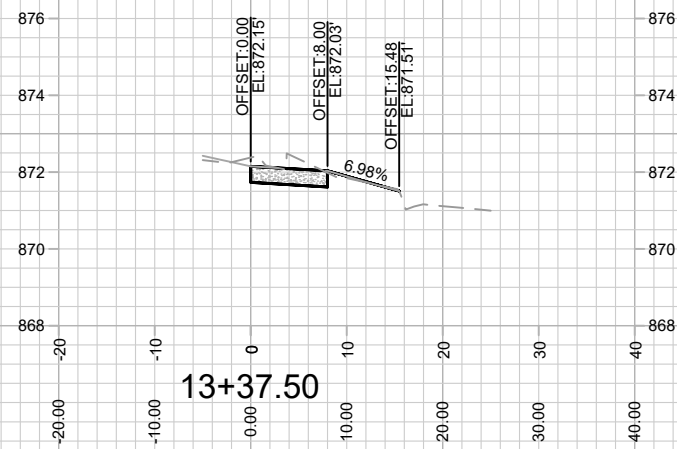
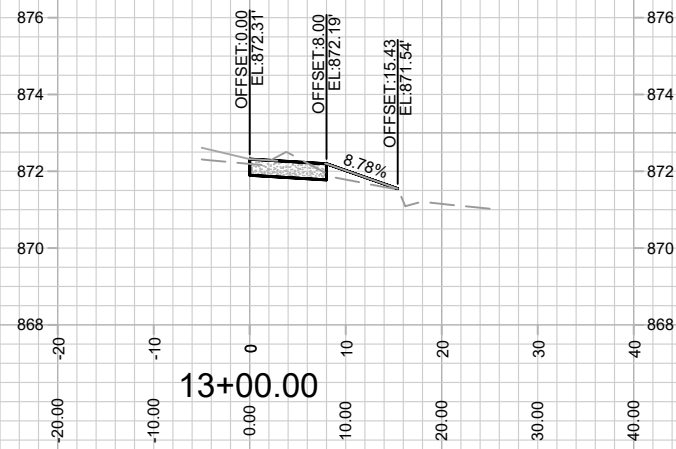
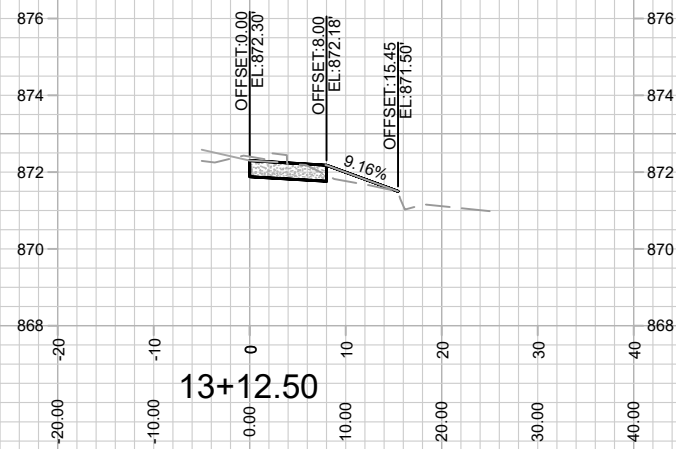
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DATE

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CROSS SECTIONS - W JOHNSON STREET

339 W GORHAM STREET

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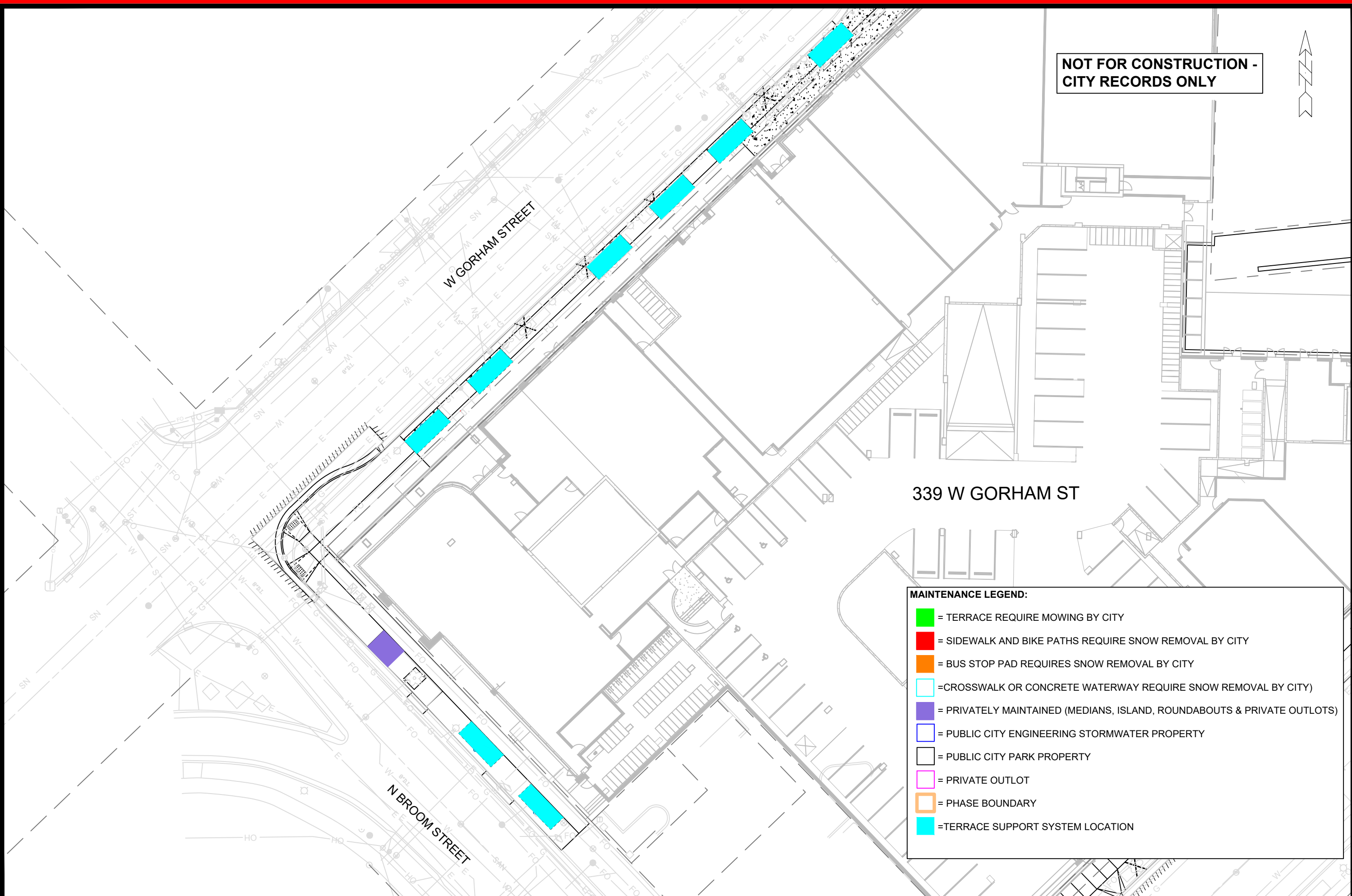
14001

MADISON, WI

9140

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14001	Desigined By: LMC	Date: 9/6/2022 12:39 PM	Scale: 1" = 20'
			X-10



NOT FOR CONSTRUCTION -
CITY RECORDS ONLY

339 W GORHAM ST

MAINTENANCE LEGEND:

- [Green Box] = TERRACE REQUIRE MOWING BY CITY
- [Red Box] = SIDEWALK AND BIKE PATHS REQUIRE SNOW REMOVAL BY CITY
- [Orange Box] = BUS STOP PAD REQUIRES SNOW REMOVAL BY CITY
- [Light Blue Box] =CROSSWALK OR CONCRETE WATERWAY REQUIRE SNOW REMOVAL BY CITY)
- [Purple Box] = PRIVATELY MAINTAINED (MEDIANS, ISLAND, ROUNDABOUTS & PRIVATE OUTLOTS)
- [Blue Box] = PUBLIC CITY ENGINEERING STORMWATER PROPERTY
- [White Box] = PUBLIC CITY PARK PROPERTY
- [Pink Box] = PRIVATE OUTLOT
- [Orange Box] = PHASE BOUNDARY
- [Cyan Box] =TERRACE SUPPORT SYSTEM LOCATION

	14001	MADISON, WI	9140	MN-1
	CONTRACT NO:			
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