

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

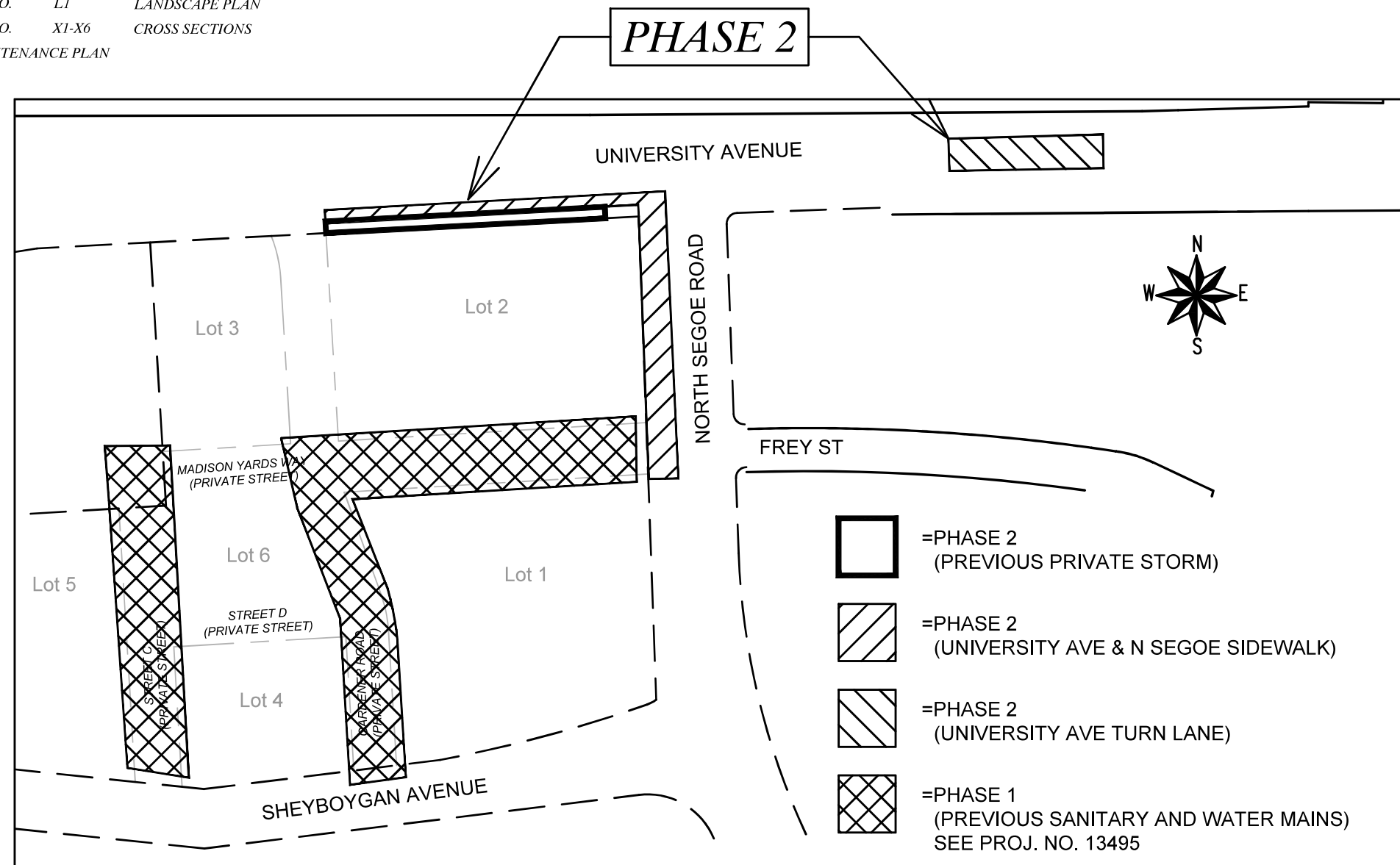
# PLAN OF PROPOSED IMPROVEMENT

## MADISON YARDS AT HILL FARMS : PHASE 2

CITY PROJECT NO. 13495  
CONTRACT NO. 9048

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PUBLIC IMPROVEMENT PROJECT APPROVED

AUGUST 3, 2021

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

*Greg Fries* Jul 14, 2022

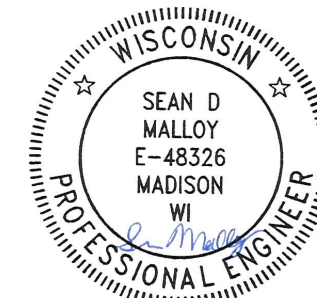
City Engineer Date

STREET GRADES DESIGNED BY:



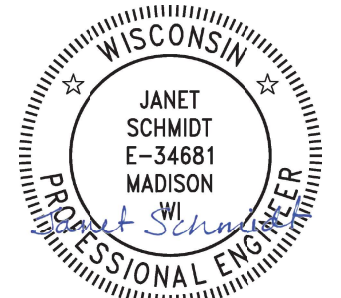
Jul 14, 2022

GEOMETRICS & PAVEMENT MARKINGS DESIGNED BY:



Jul 14, 2022

STORM SEWER DESIGNED BY:



Jul 14, 2022

ELECTRICAL DESIGNED BY:



Jul 14, 2022

SANITARY SEWER DESIGNED BY:



Jul 14, 2022

PLOT SCALE: 1 IN=1 FT\_XREF

PLOT NAME: ---

REV. DATE: 7/13/2022 3:31 PM




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	— SAN —
WATER	— W —
BURIED ELECTRIC	— E —
OVERHEAD ELECTRIC	— OH —
POWER POLE	
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

ALL PAVEMENT IN THE N SEGOE ROAD RIGHTS-OF-WAY SHALL BE TYPE C PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

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

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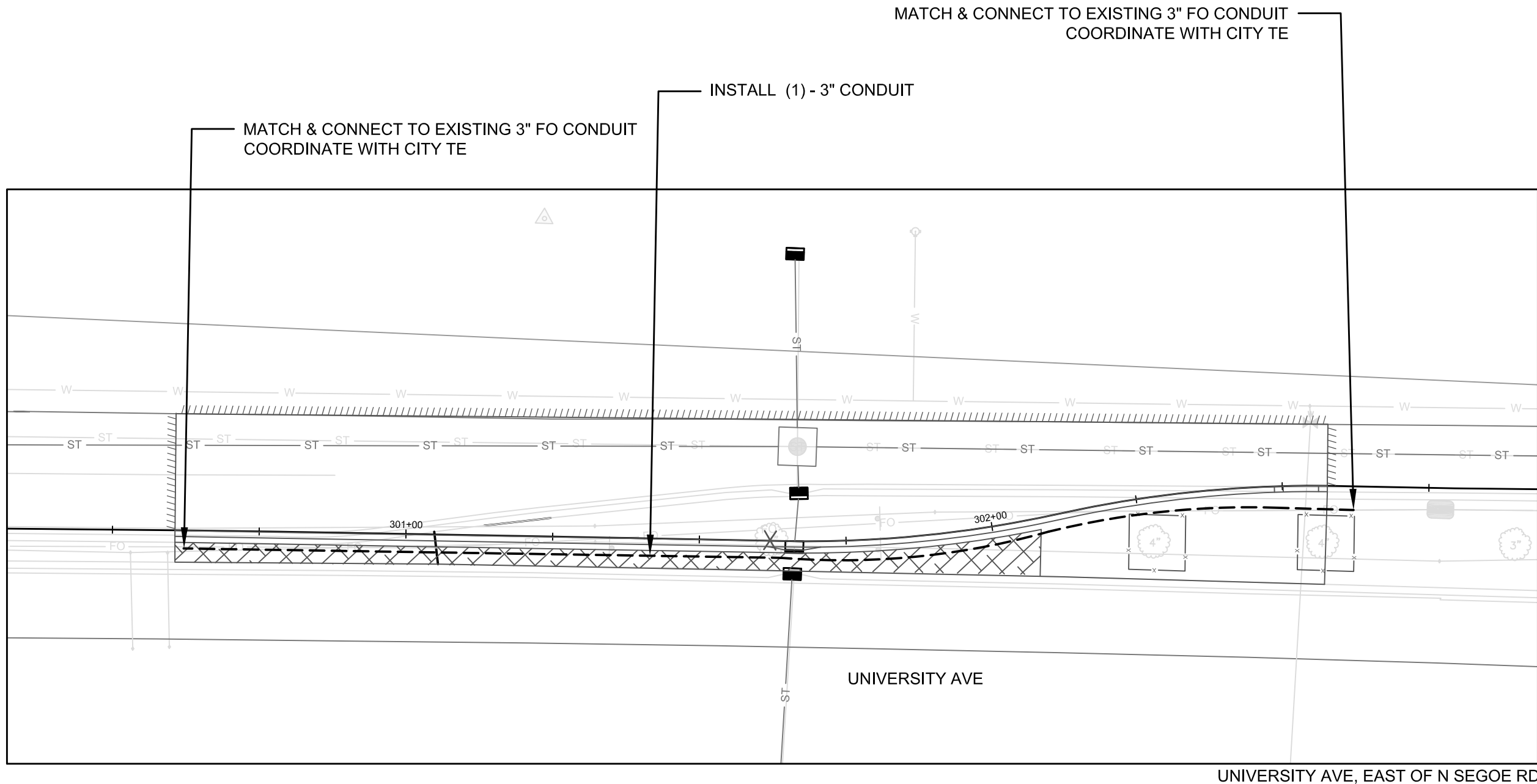
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MADISON, WI  
9048  
CONTRACT NO:  
13495  
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GENERAL ELECTRICAL NOTES

1. ALL LOCATIONS ARE APPROXIMATE, THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK IN THE FIELD, AFTER CONTRACTOR SURVEYS STAKING. THE CONTRACTOR SHALL NOTIFY GRETCHEN AVILES PINEIRO (GAVILESPINEIRO@CITYOFMADISON.COM), AT LEAST 24HOURS IN ADVANCE OF NEEDING BASE LOCATIONS MARKED.
2. BASES INSTALLED IN TERRACE SHALL BE 4' FROM FACE OF CURB UNLESS OTHERWISE NOTED, SUBJECT TO NOTE 1 ABOVE.
3. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION" AND ADDENDUMS THERETO. [cityofmadison.com/business/pw/specs.cfm](http://cityofmadison.com/business/pw/specs.cfm)
4. THE CONTRACTOR SHALL CALL TROY VANT (395-1975) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
5. THE CONTRACTOR SHALL CALL TROY VANT (395-1975) PRIOR TO REMOVING OR CONNECTING TO EXISTING CONDUITS OR HANDHOLES.
6. THE CONTRACTOR SHALL ARRANGE FOR PICKUP OF THE FOLLOWING CITY MATERIALS:
  - $\frac{3}{4}$ " X 19" ANCHOR BOLTS: 1 SET OF 4 FOR G BASE
  - 1- $\frac{1}{4}$ " X 48" ANCHOR BOLTS: 1 SET OF 4 FOR LB-8 BASE



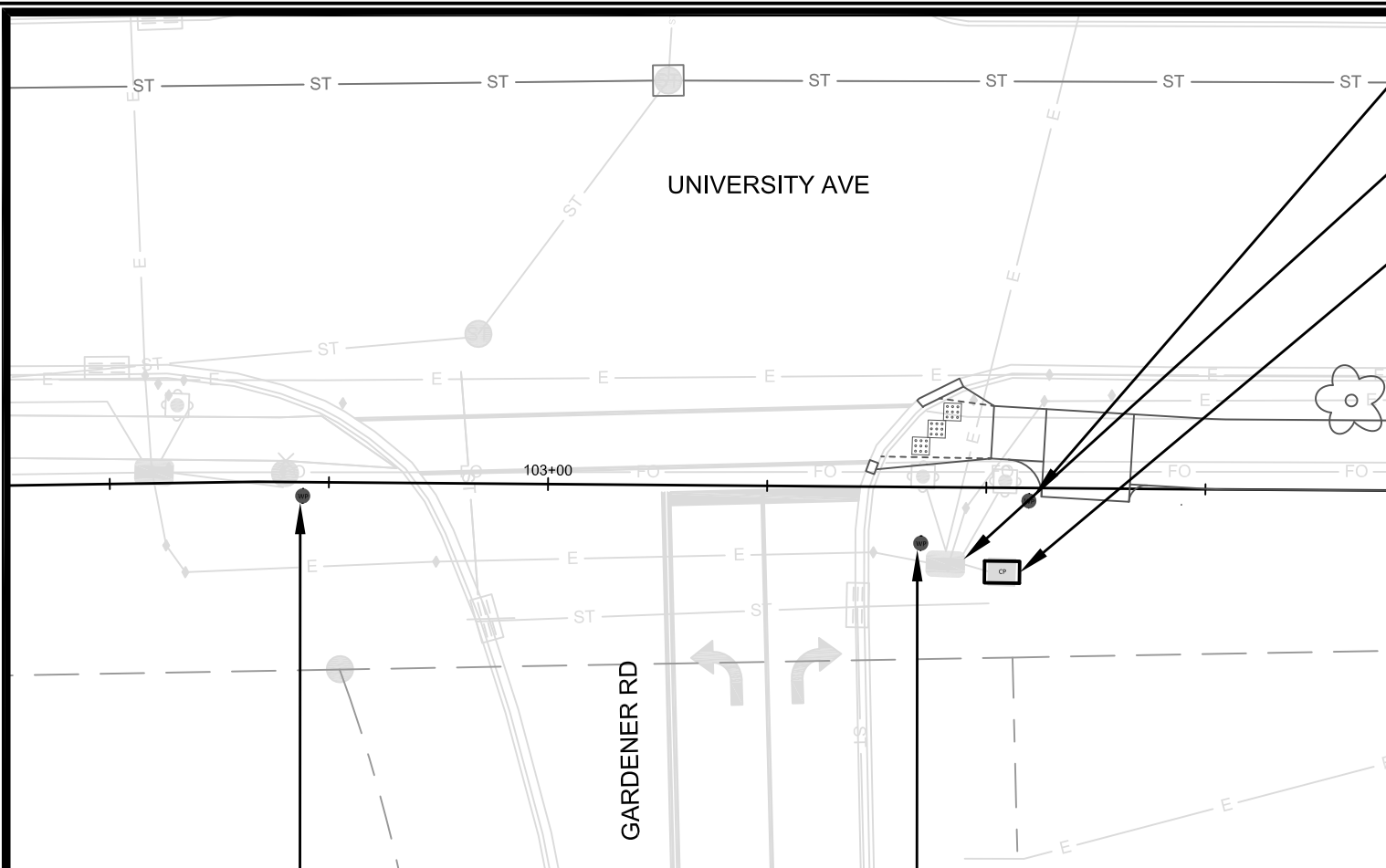
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MADISON, WI  
9048  
CONTRACT NO:

ELECTRICAL PLAN  
MADISON YARDS AT HILL FARMS PHASE 2  
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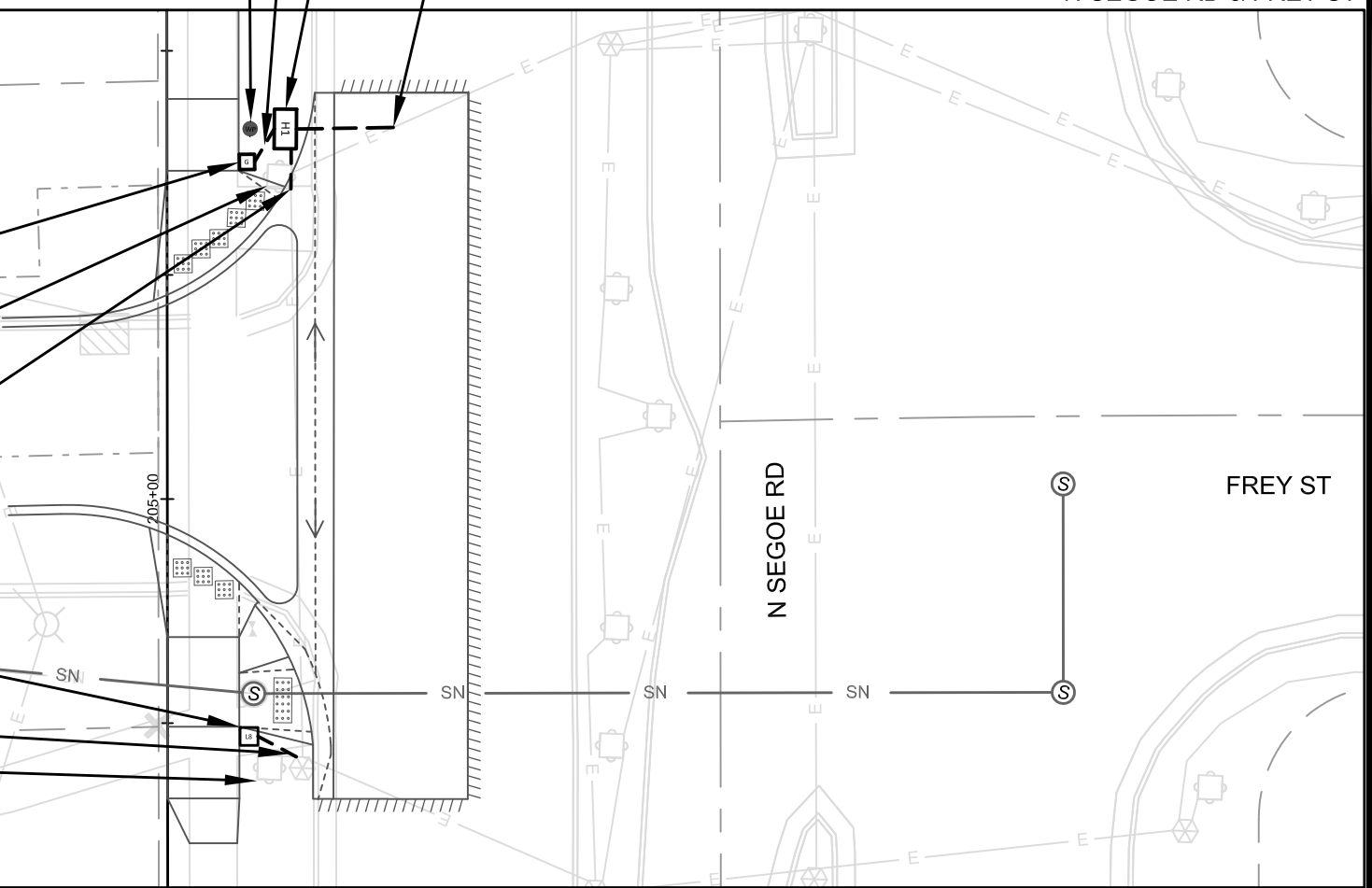
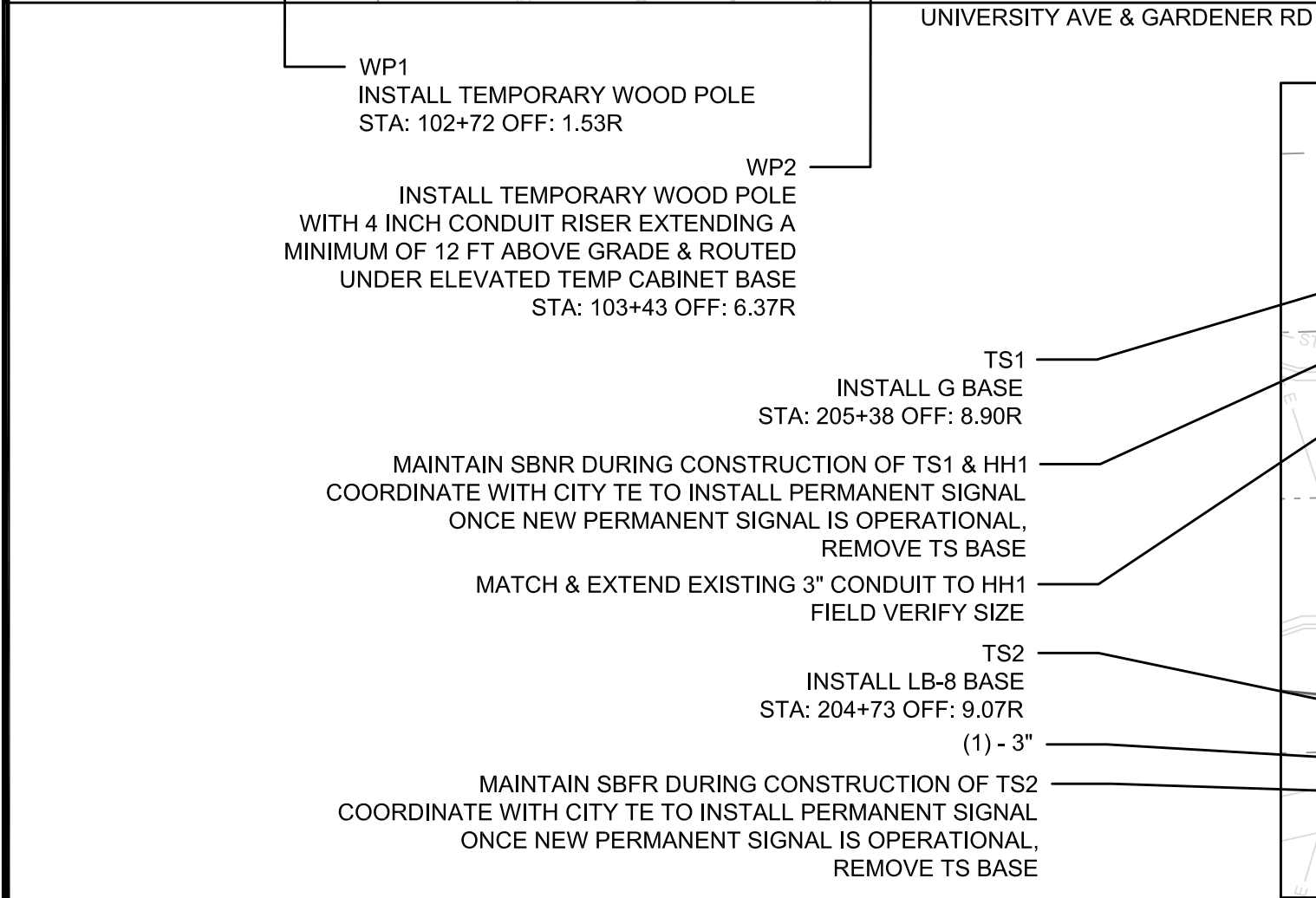
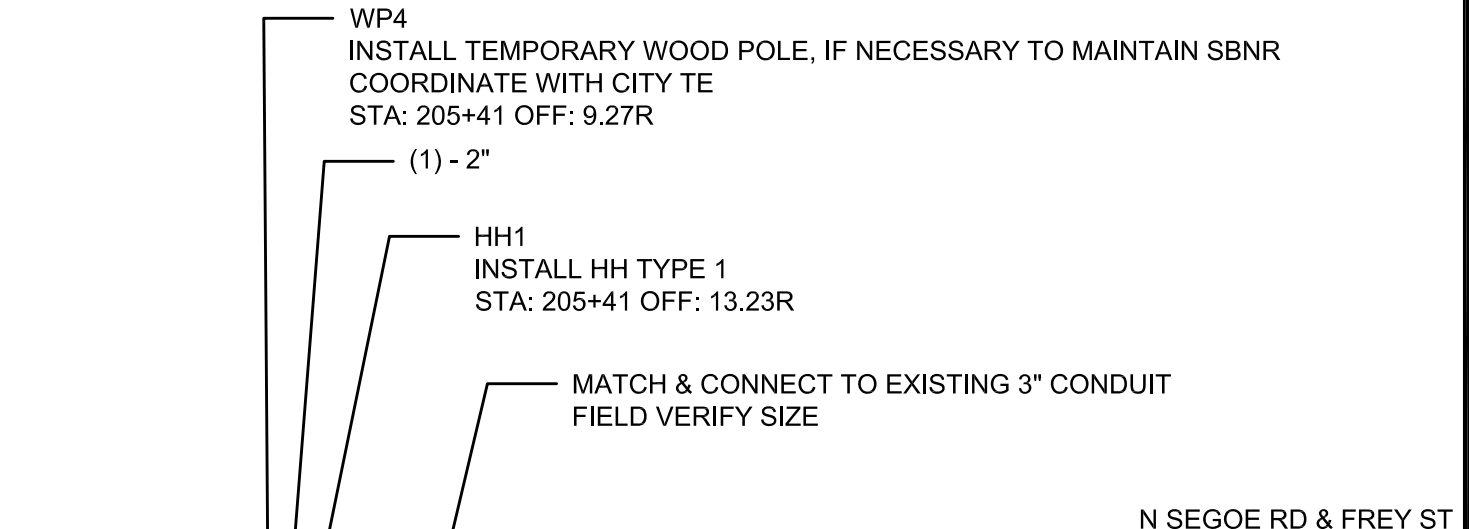


13495  
E-1



ADJUST EXISTING HH ELEVATION  
MAINTAIN CONDUITS & WIRES  
COORDINATE WITH CITY TE

CONTRACTOR TO PROVIDE A TEMP BASE CONSISTING OG AN ELEVATED WOOD PLATFORM A  
MINIMUM OF 48 INCHES X 48 INCHES WITH A MINIMUM OF 18 INCH CLEARANCE ABOVE GRADE.  
PLACE & MAINTAIN CONTROLLER CABINET IN TEMPORARY LOCATION NEXT TO WP2.  
CITY TE TO INSTALL OH WIRES FOR TEMPORARY TRAFFIC SIGNAL.  
MAINTAIN CONTROLLER CABINET IN TEMP LOCATION & TEMPORARY WIRES DURING CONSTRUCTION.  
REMOVE CONCRETE BASE & INSTALL NEW P BASE AT NEW ELEVATION IN THE SAME LOCATION.  
COORDINATE WITH CITY TE TO PLACE CONTROLLER CABINET ON NEW P BASE.  
STA: 103+52 OFF: 9.62R



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MADISON, WI  
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ELECTRICAL PLAN  
MADISON YARDS AT HILL FARMS PHASE 2  
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13495  
E-2

Install 6"  
Crosswalk  
Epoxy

Remove Markings in Intersection

6'

Gardener Road  
(Private)

University Avenue

ONLY



MARKING PLAN

MADISON YARDS AT HILL FARMS PHASE 2

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13495

MADISON, WI

CONTRACT NO: 9048

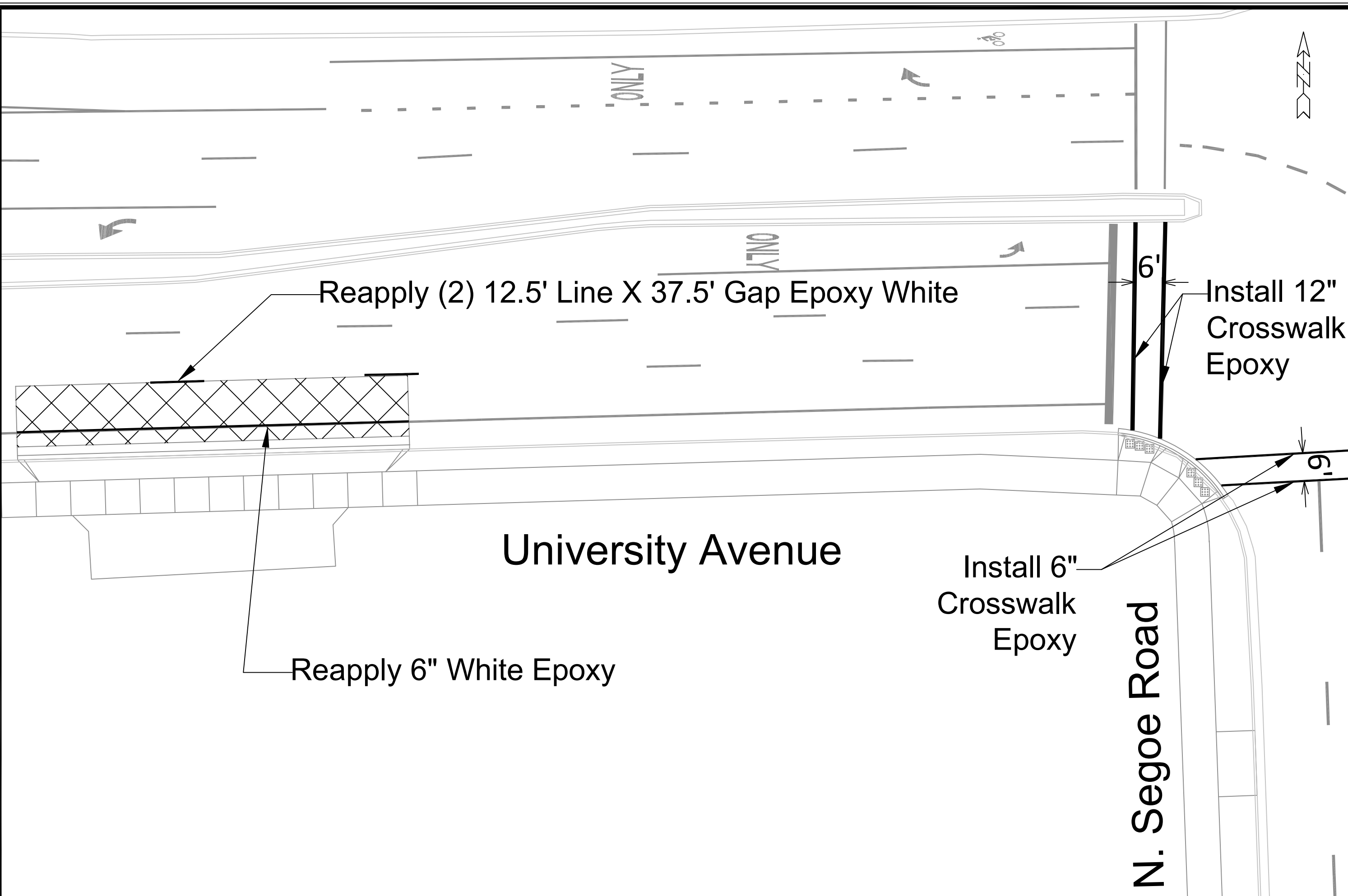


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M-1

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M-1



Reapply (2) 12.5' Line X 37.5' Gap Epoxy White

Install 12" Crosswalk Epoxy

University Avenue

Install 6" Crosswalk Epoxy

Reapply 6" White Epoxy

N. Segoe Road

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MADISON, WI  
CONTRACT NO: 9048

MARKING PLAN  
MADISON YARDS AT HILL FARMS PHASE 2  
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13495  
M-2

Frey Street

N. Segoe Road

Install 6" Crosswalk Epoxy

Install 6" Crosswalk Epoxy

Install 24" Stop Epoxy

Reapply (1) 10' Line X 30' Gap Epoxy White

Madison Yards Way



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MADISON, WI  
CONTRACT NO: 9048

MARKING PLAN  
MADISON YARDS AT HILL FARMS PHASE 2  
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13495  
M-3



Segoe Road

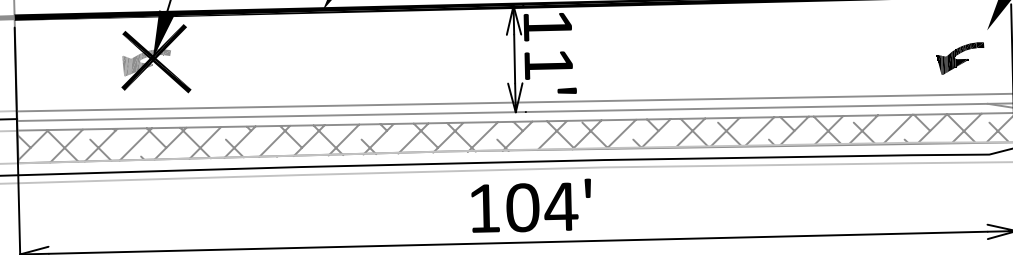
University Avenue

Reapply (5) 10' Line X 30' Gap Epoxy White

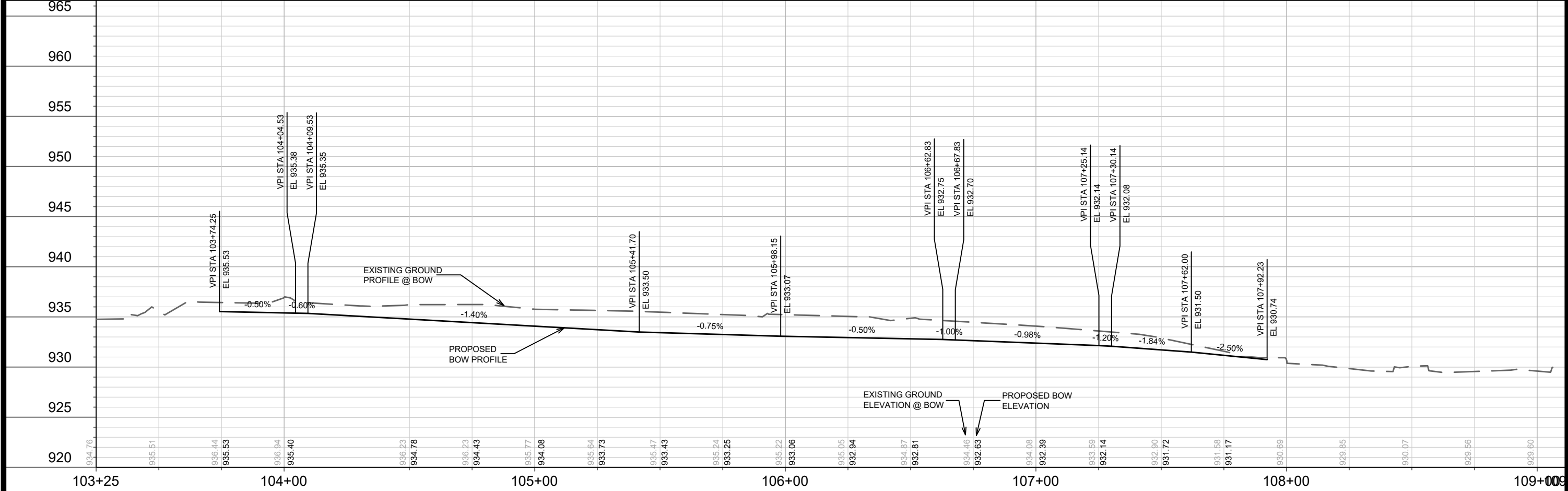
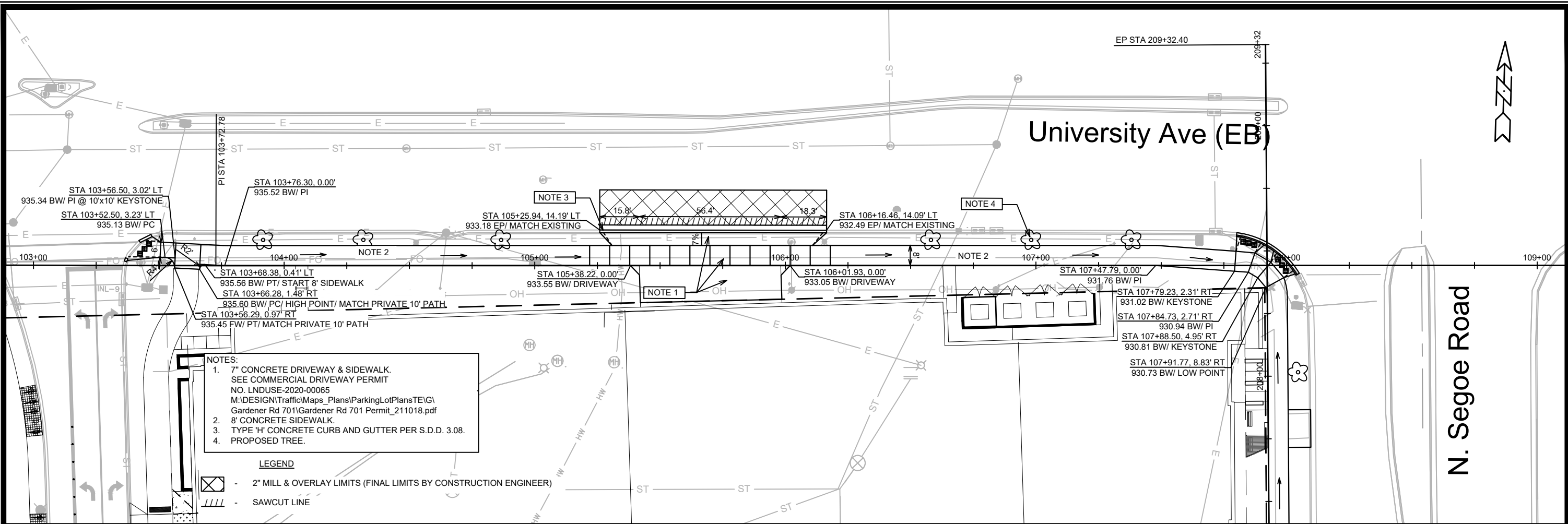
Remove Existing LT Arrow

Install 8" Epoxy

Install LT Arrow Epoxy



	13495	M-4
	MADISON, WI	
MADISON YARDS AT HILL FARMS PHASE 2	CONTRACT NO:	9048
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MARKING PLAN		
13495		
M-4		



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13495

MADISON, WI

9048

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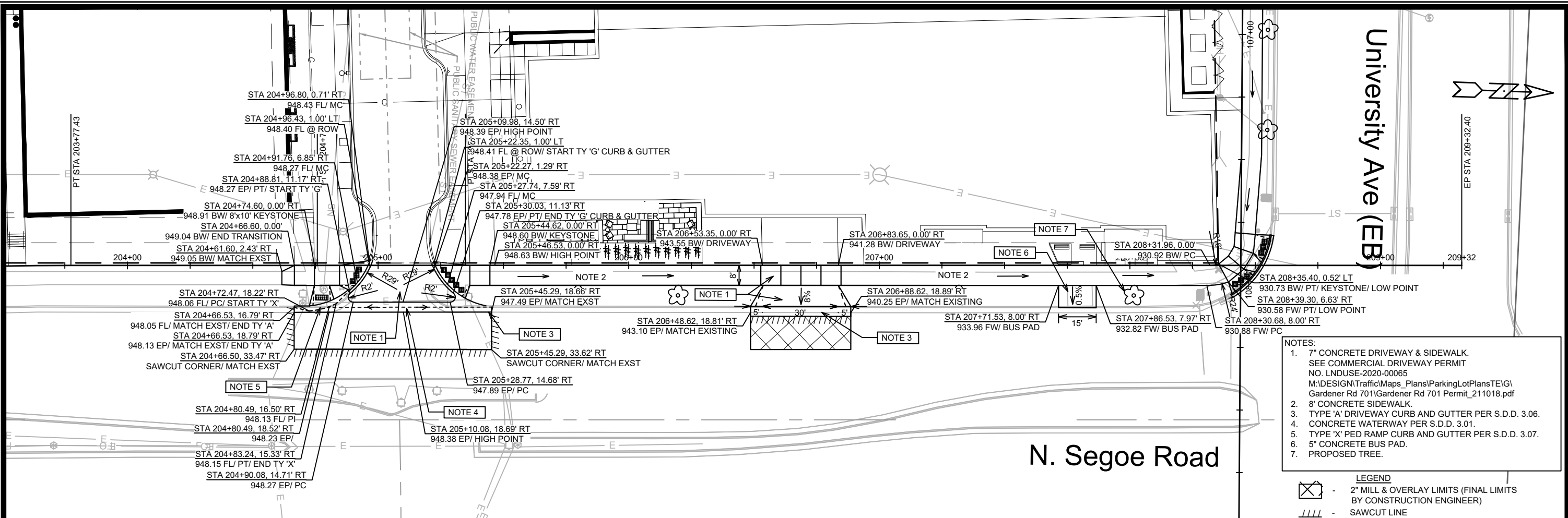
STREET PLAN & PROFILE - UNIVERSITY AVENUE (EB)

MADISON YARDS AT HILL FARMS PHASE 2

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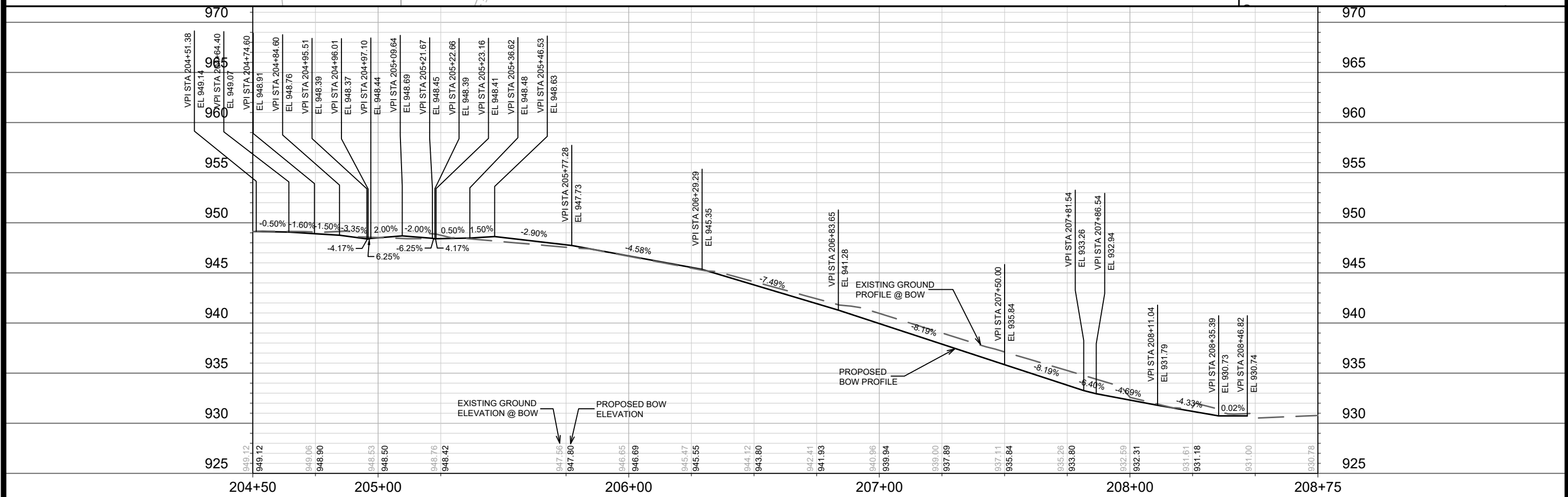
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P-1



- NOTES:**
- 7" CONCRETE DRIVEWAY & SIDEWALK. SEE COMMERCIAL DRIVEWAY PERMIT NO. LNDUSE-2020-00065 M:\DESIGN\Traffic\Maps\_Plans\ParkingLotPlans\TEIG\Gardener Rd 701\Gardener Rd 701 Permit\_211018.pdf
  - 8" CONCRETE SIDEWALK.
  - TYPE 'A' DRIVEWAY CURB AND GUTTER PER S.D.D. 3.06.
  - CONCRETE WATERWAY PER S.D.D. 3.01.
  - TYPE 'X' PED RAMP CURB AND GUTTER PER S.D.D. 3.07.
  - 5" CONCRETE BUS PAD.
  - PROPOSED TREE.

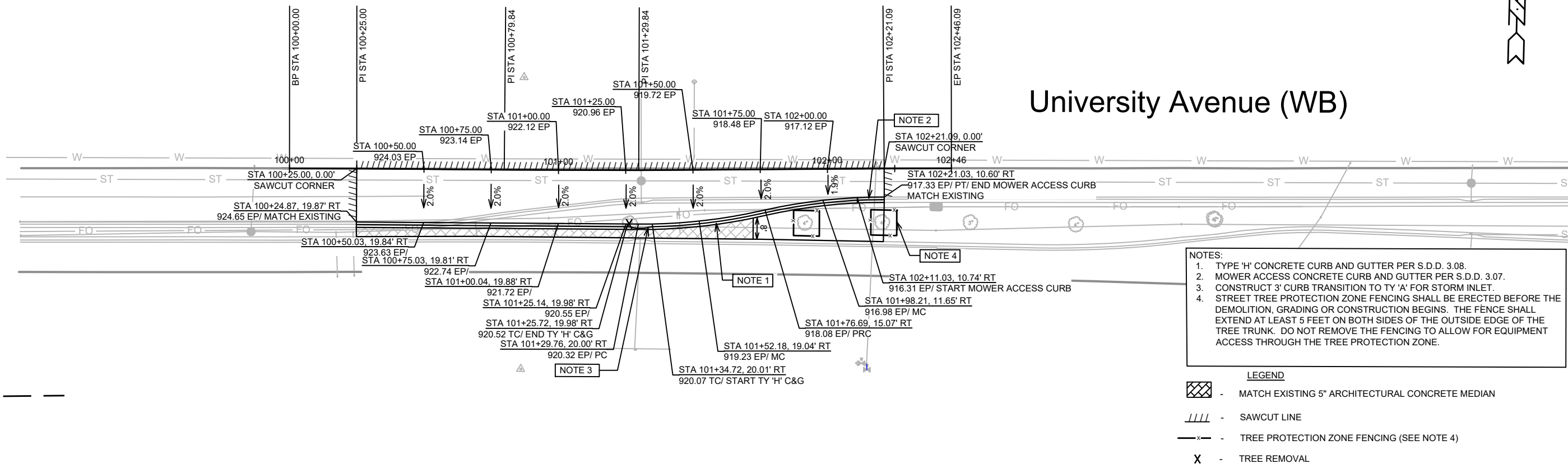
- LEGEND**
- 2" MILL & OVERLAY LIMITS (FINAL LIMITS BY CONSTRUCTION ENGINEER)
  - SAWCUT LINE



N. Segoe Road

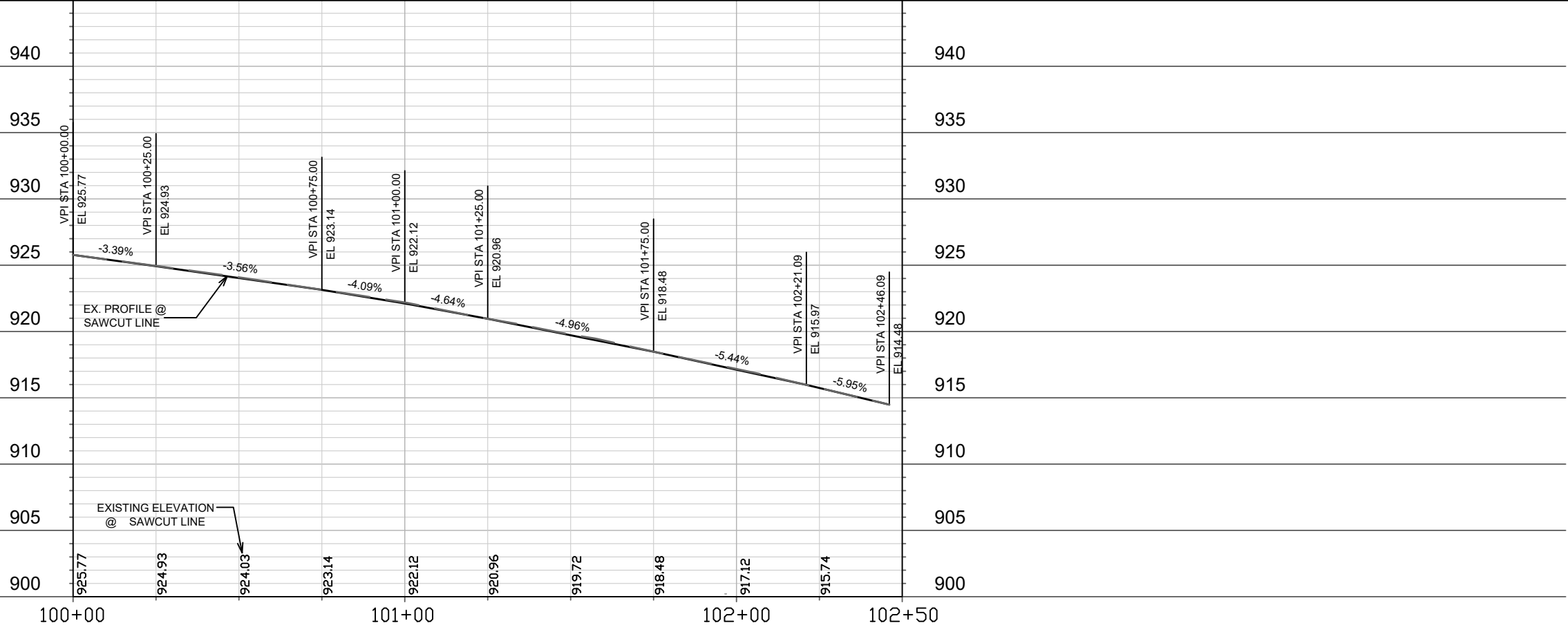
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STREET PLAN & PROFILE - N SEGOE RD		
MADISON YARDS AT HILL FARMS PHASE 2		
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13495		P-2

# University Avenue (WB)

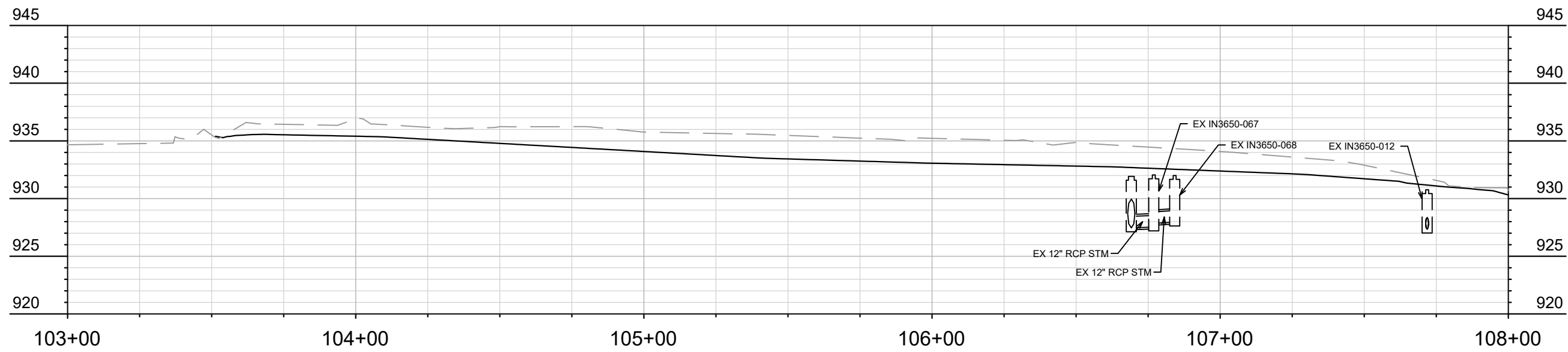
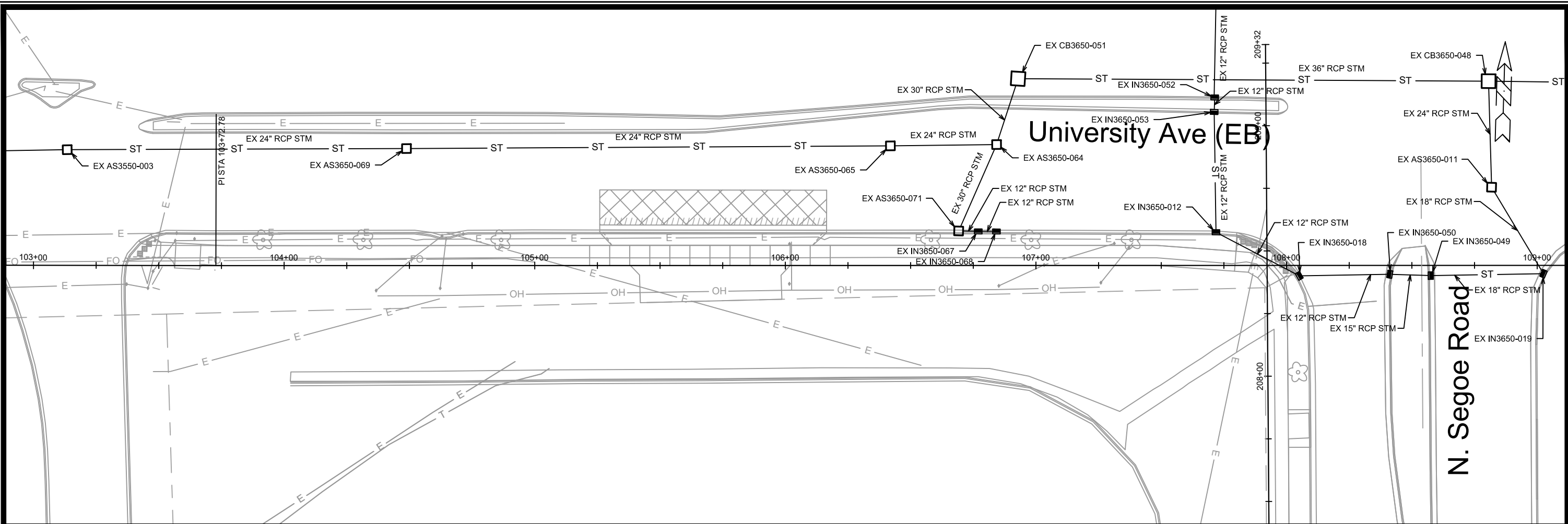


- NOTES:**
1. TYPE 'H' CONCRETE CURB AND GUTTER PER S.D.D. 3.08.
  2. MOWER ACCESS CONCRETE CURB AND GUTTER PER S.D.D. 3.07.
  3. CONSTRUCT 3' CURB TRANSITION TO TY 'A' FOR STORM INLET.
  4. STREET TREE PROTECTION ZONE FENCING SHALL BE ERRECTED BEFORE THE DEMOLITION, GRADING OR CONSTRUCTION BEGINS. THE FENCE SHALL EXTEND AT LEAST 5 FEET ON BOTH SIDES OF THE OUTSIDE EDGE OF THE TREE TRUNK. DO NOT REMOVE THE FENCING TO ALLOW FOR EQUIPMENT ACCESS THROUGH THE TREE PROTECTION ZONE.

- LEGEND**
- MATCH EXISTING 5" ARCHITECTURAL CONCRETE MEDIAN
  - SAWCUT LINE
  - TREE PROTECTION ZONE FENCING (SEE NOTE 4)
  - TREE REMOVAL



13495	MADISON, WI	9048	CONTRACT NO:
STREET PLAN & PROFILE - UNIVERSITY AVE (WB)			
MADISON YARDS AT HILL FARMS PHASE 2			
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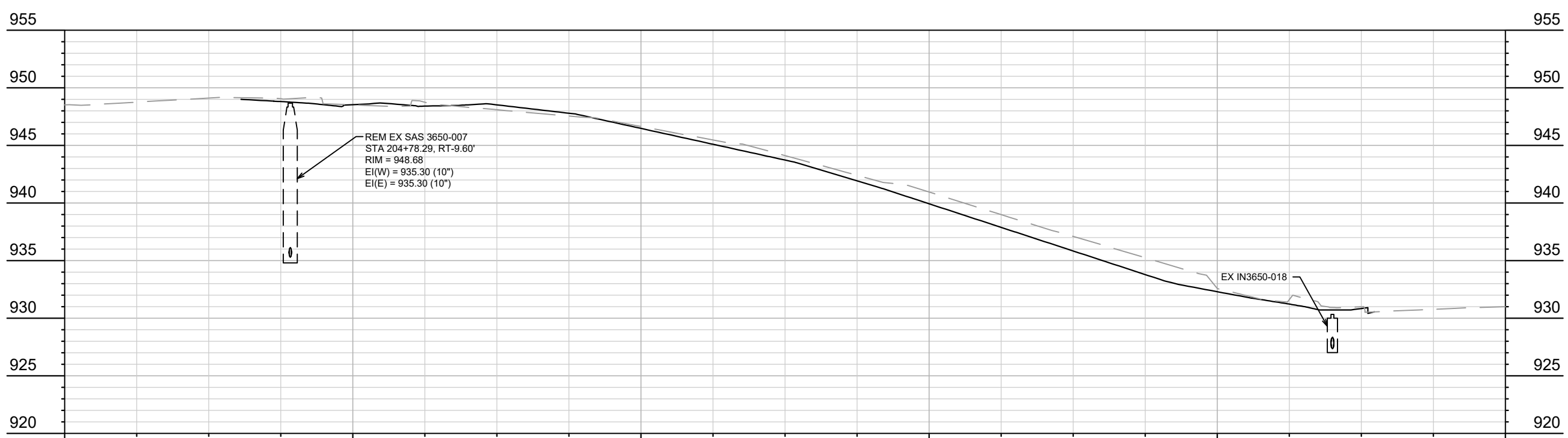
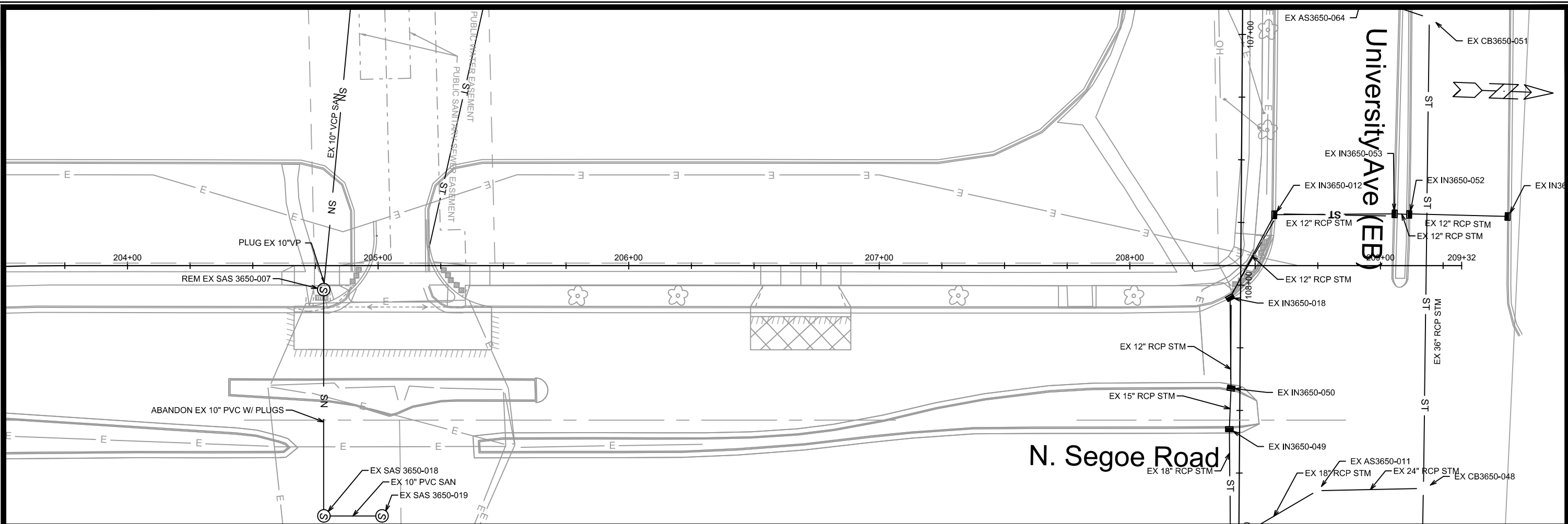


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MADISON, WI  
CONTRACT NO: 9048

UNIVERSITY AVE (EB) - UTILITY PLAN & PROFILE  
MADISON YARDS AT HILL FARMS PHASE 2  
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13495  
U-1



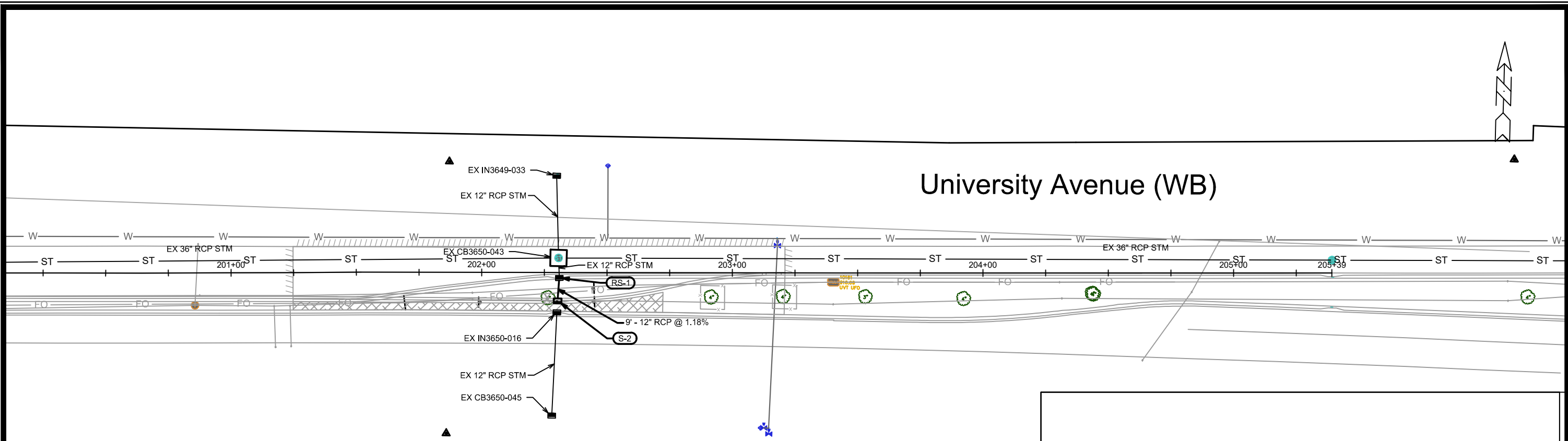
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MADISON, WI  
9048  
CONTRACT NO:

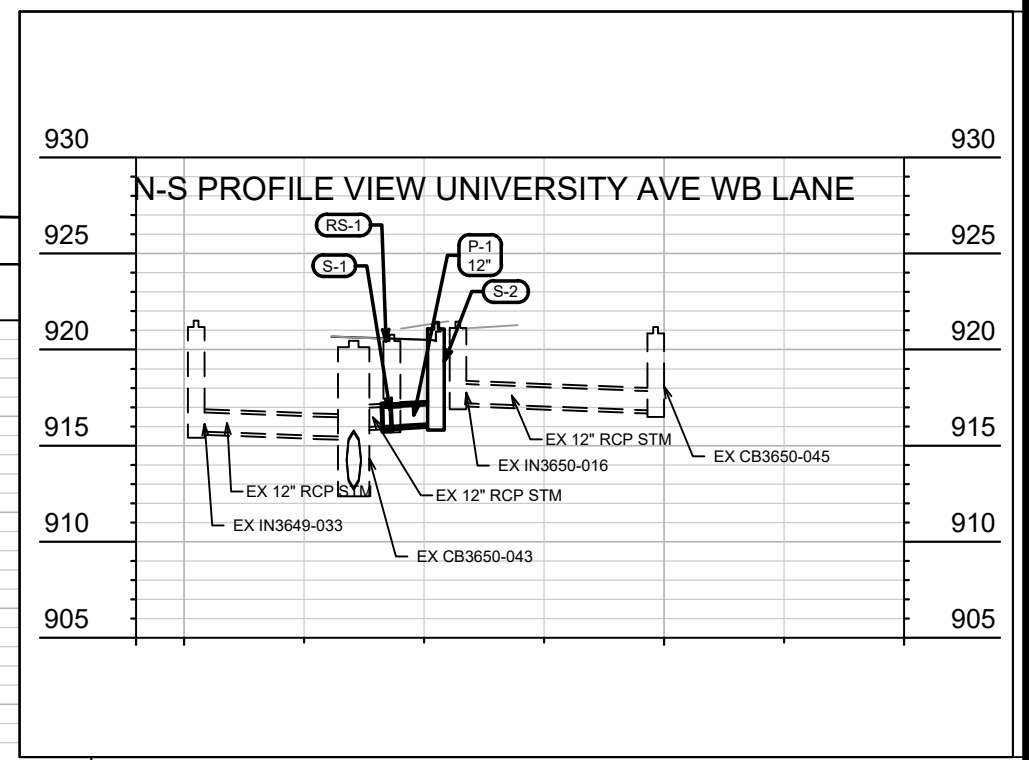
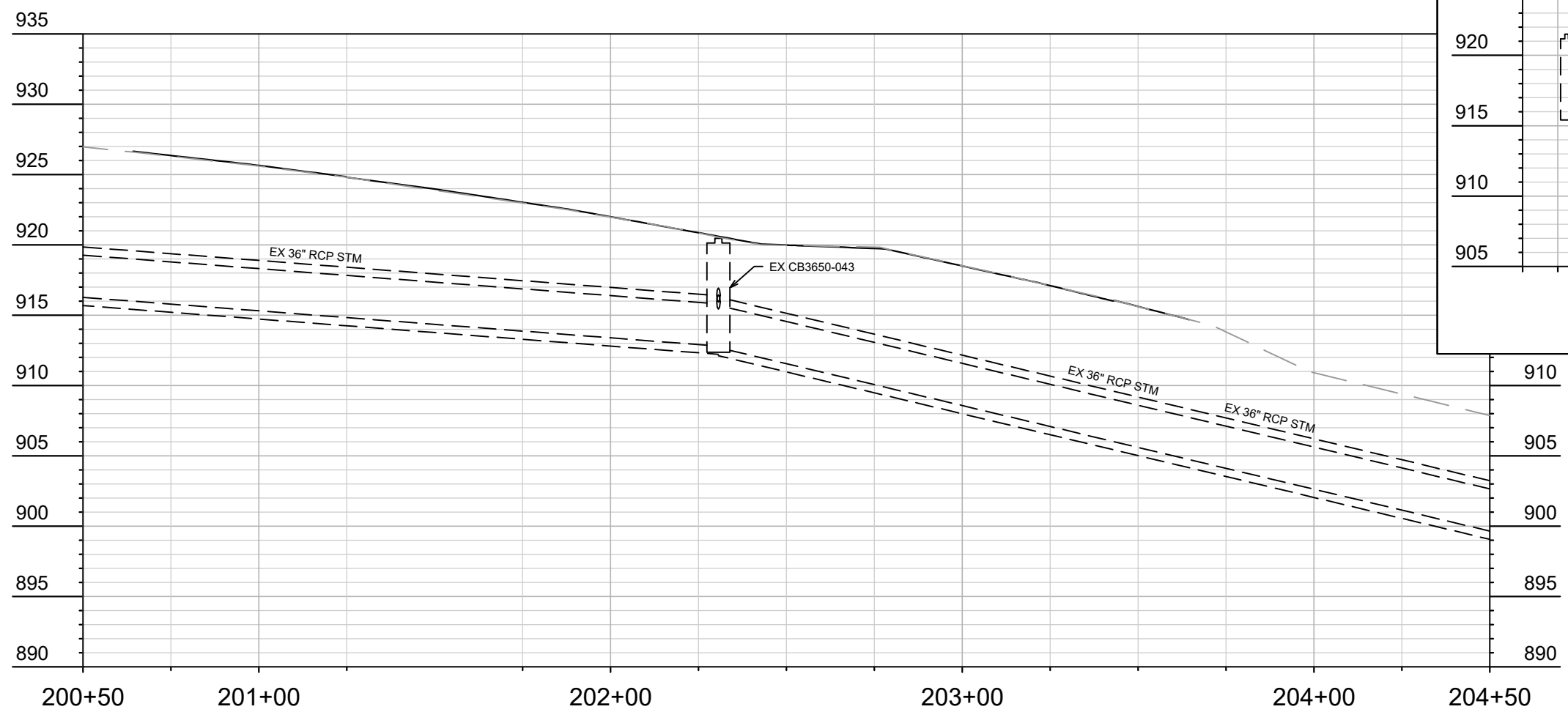
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MADISON YARDS AT HILL FARMS PHASE 2  
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13495  
U-2



# University Avenue (WB)



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 MADISON, WI  
 CONTRACT NO: 9048  
 UNIVERSITY AVE (WB) - UTILITY PLAN & PROFILE  
 MADISON YARDS AT HILL FARMS PHASE 2  
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13495  
 U-3

# STORM SEWER SCHEDULE

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>UNIVERSITY AVE (WB)</b>							
S-1	202+31.01	RT-2.17	CONCRETE COLLAR	-	916.03	-	FP
S-2	202+30.33	RT-11.33	H INLET	920.75	916.14	4.61	W/R-3067-7004-V

## PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
<b>UNIVERSITY AVE (WB)</b>										
P-1	S-1	S-2	916.03	916.14	7.97	6.0	1.84%	12"	RCP	-

## REMOVE STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>UNIVERSITY AVE (WB)</b>							
RS-1	202+31.01	RT-2.17	INLET	921.01	916.03	4.98	[1]

## SPECIFIC NOTES

[1] SAW CUT EX 12" RCP (N) FOR NEW CONCRETE COLLAR CONNECTION

## STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SASs.
- TOP OF CONCRETE ROOF (TR) IS 1.25 BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL REBAR FOR FIELD POUR STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.
- ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3.
- ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT LUCAS WARDELL OF CITY ENGINEERING AT (608) 243-5894 FOR PRECAST APPROVALS OR EMAIL SHOP DRAWINGS TO LWARDELL@CITYOFMADISON.COM.



# SANITARY SEWER SCHEDULE

MADISON YARDS PHASE 2  
PROJECT NO. 13495

SHEET NO.  
U-4

SANITARY SEWER SCHEDULE

CITY OF MADISON

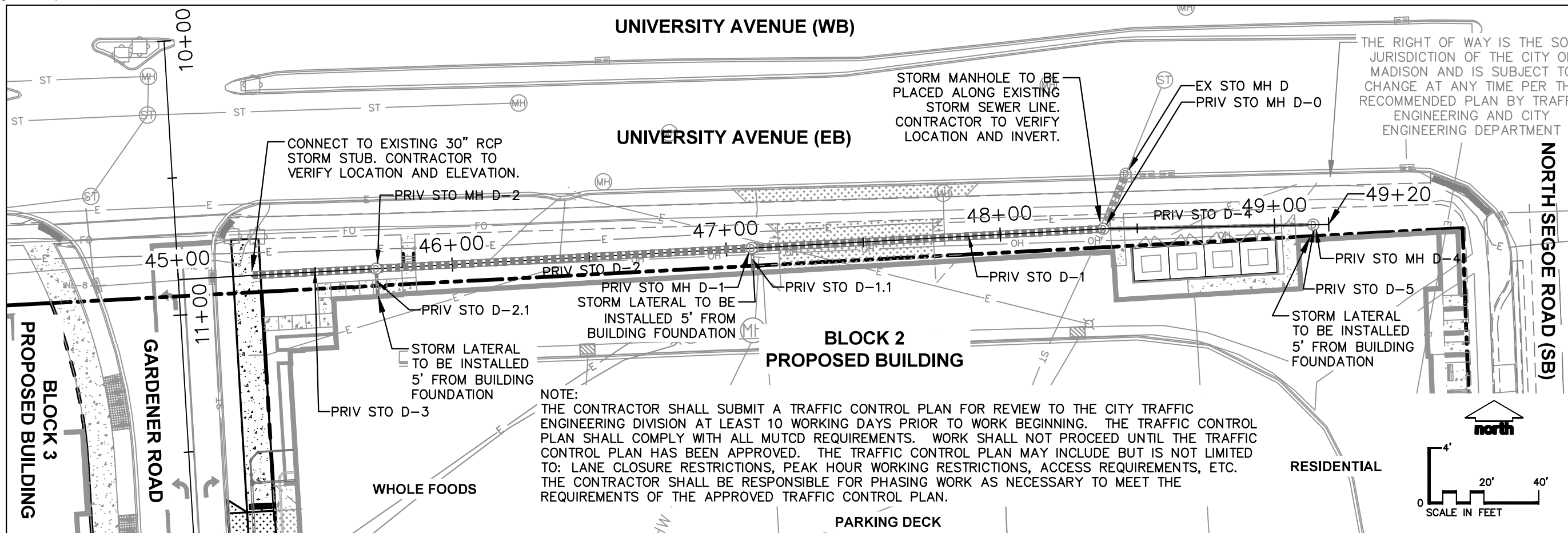
## SANITARY STRUCTURE REMOVALS & ABANDONMENTS

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>N. SEGOE RD</b>							
EX SAS 3650-007	204+78.29	RT-9.60	4' DIA SAS	948.67	935.30	13.37	-

## SANITARY PIPE REMOVALS & ABANDONMENTS

REMOVE FROM	REMOVE TO	PLAN LGTH (FT)	PIPE TYPE	PAID (Y/N)	PAY LGTH	NOTES
<b>N. SEGOE RD</b>						
EX SAS 3650-007	PLUG	90.20	10"PVC	N	-	ABANDON W/ PLUGS

SPECIFIC NOTES



948									948										
946									946										
944									944										
942									942										
940									940										
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916									916										
	935.1	938.8	<b>936.90</b>	940.7	<b>936.26</b>	940.1	<b>935.56</b>	938.9	<b>934.85</b>	938.0	<b>932.99</b>	937.7	<b>932.93</b>	937.0	<b>932.51</b>	936.4	<b>932.33</b>		
	45+00			46+00				47+00		48+00			49+00						

137 LF OF 30 IN RCP @ -1.31%

128 LF OF 30 IN RCP @ -1.30%

45 LF OF 30 IN RCP @ -1.30% PIPE SLOPE TO MATCH EXISTING PIPE STUB SLOPE

77 LF OF 10 IN HDPE @ -1.50%

PRIV STO MH D-2  
 STA: 45+72.24, 0.0  
 RIM: 937.01  
 DEPTH: 8.7'

PRIV STO MH D-1  
 STA: 47+09.38, 0.0  
 RIM: 934.49  
 DEPTH: 8.0'

PRIV STO MH D-0  
 STA: 48+37.58, 0.0  
 RIM: 932.64  
 DEPTH: 8.0'

PRIV STO MH D-4  
 STA: 49+14.13, 0.0  
 RIM: 932.18  
 DEPTH: 4.6'



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MADISON REGIONAL OFFICE  
 161 HORIZON DRIVE, SUITE 101  
 VERONA, WISCONSIN 53593  
 P. 608.848.5060

CLIENT:  
**SMITH GILBANE**

CLIENT ADDRESS:  
 241 N. BROADWAY, SUITE 400  
 MILWAUKEE, WI 53202

CITY PROJECT NO.: 13495  
 CITY CONTRACT NO.: 9048  
 CITY PROJECT NAME:  
**MADISON YARDS AT HILL FARMS: PHASE 2**

PROJECT:  
**MADISON YARDS AT HILL FARMS BLOCK 6**

PROJECT LOCATION:  
 MADISON, WI  
 DANE COUNTY

PLAN MODIFICATIONS:

#	Date	Description
1	09.21.2021	CITY SUBMITTAL
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Designed By:  
 Reviewed By:  
 Approved By:

SHEET TITLE:  
**BLOCK 6  
 PLAN & PROFILE -  
 GARDENER ROAD TO  
 UNIVERSITY AVENUE  
 STORM SEWER**

SHEET NUMBER:  
**B6-C6.5**

File: I:\2019\193461\DWG\Civil\City\Sheets\193461\B6-C6.5.dwg - PLAN & PROFILE - City plan c6.5.dwg Layout: 11x17 SHEET (P&P) User: cdumond Plotter: Oct 08, 2021 - 11:59am Xrefs:



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 FARMS: PHASE 2**

PROJECT:  
**MADISON YARDS AT  
 HILL FARMS  
 BLOCK 6**

PROJECT LOCATION:  
 MADISON, WI  
 DANE COUNTY

PLAN MODIFICATIONS:

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1	09.21.2021	CITY SUBMITTAL
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Designed By:  
 Reviewed By:  
 Approved By:

SHEET TITLE:  
**BLOCK 6 - GARDENER  
 ROAD TO UNIVERSITY  
 AVENUE STORM SEWER  
 STRUCTURE AND PIPE  
 TABLE**

SHEET NUMBER:

**B6-C6.6**

JSD PROJECT NO: 19-9366

PROPOSED STORM SEWER STRUCTURES TABLE					
LABEL	RIM EL. (FT)	INVERT EL. (FT)	DEPTH (FT)	STRUCTURE DESC.	FRAME & GRATE
STO MH D-0	932.64	N INV: 924.64 (30") W INV: 924.74 (30") E INV: 926.41 (10")	8.0	72 IN MH (FLAT)	R-1550 SOLID LID
STO MH D-1	934.49	E INV: 926.41 (30") W INV: 926.51 (30") S INV: 928.34 (10")	8.0	60 IN MH (FLAT)	R-1550 SOLID LID
STO MH D-2	937.01	E INV: 928.30 (30") S INV: 930.17 (10") W INV: 928.40 (30")	8.7	60 IN MH (FLAT)	R-1550 SOLID LID
STO MH D-4	932.18	W INV: 927.56 (10") S INV: 927.66 (10")	4.6	48 IN MH (FLAT)	R-1550 SOLID LID

PROPOSED STORM SEWER PIPE TABLE							
LABEL	FROM	TO	LENGTH	INVERT EL. (FT)	DISCHARGE EL. (FT)	SLOPE	SIZE & MATERIAL
STO D-1	STO MH D-1	STO MH D-0	128'	926.41	924.74	1.30%	30 IN RCP
STO D-1.1	BUILDING	STO MH D-1	8'	928.43	928.34	1.08%	10 IN HDPE
STO D-2	STO MH D-2	STO MH D-1	137'	928.30	926.51	1.31%	30 IN RCP
STO D-2.1	BUILDING	STO MH D-2	9'	930.26	930.17	1.00%	10 IN HDPE
STO D-3	EXISTING STUB	STO MH D-2	45'	928.98	928.40	1.30%	30 IN RCP
STO D-4	STO MH D-4	STO MH D-0	77'	927.56	926.41	1.50%	10 IN HDPE
STO D-5	BUILDING	STO MH D-4	5'	927.75	927.66	2.00%	10 IN HDPE



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CLIENT:  
**SMITH GILBANE**

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241 N. BROADWAY, SUITE 400  
MILWAUKEE, WI 53202

PROJECT:  
**UNIVERSITY AVENUE  
TRAFFIC CONTROL**

PROJECT LOCATION:  
UNIVERSITY AVENUE  
DANE COUNTY  
CITY OF MADISON

PLAN MODIFICATIONS:

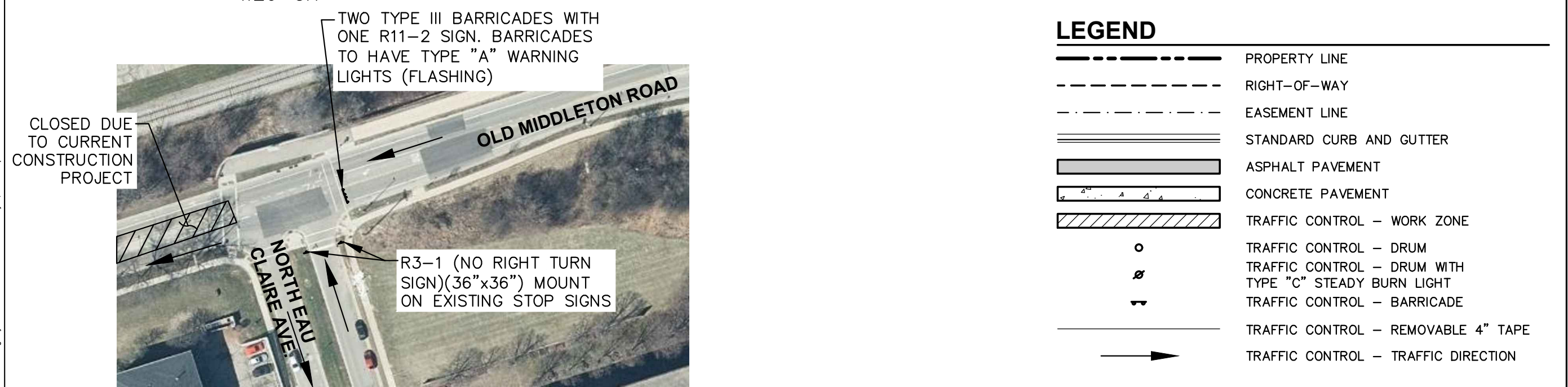
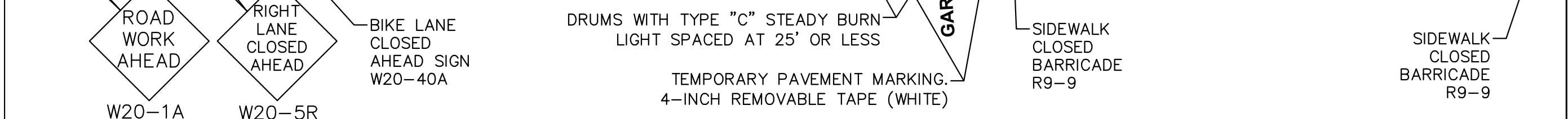
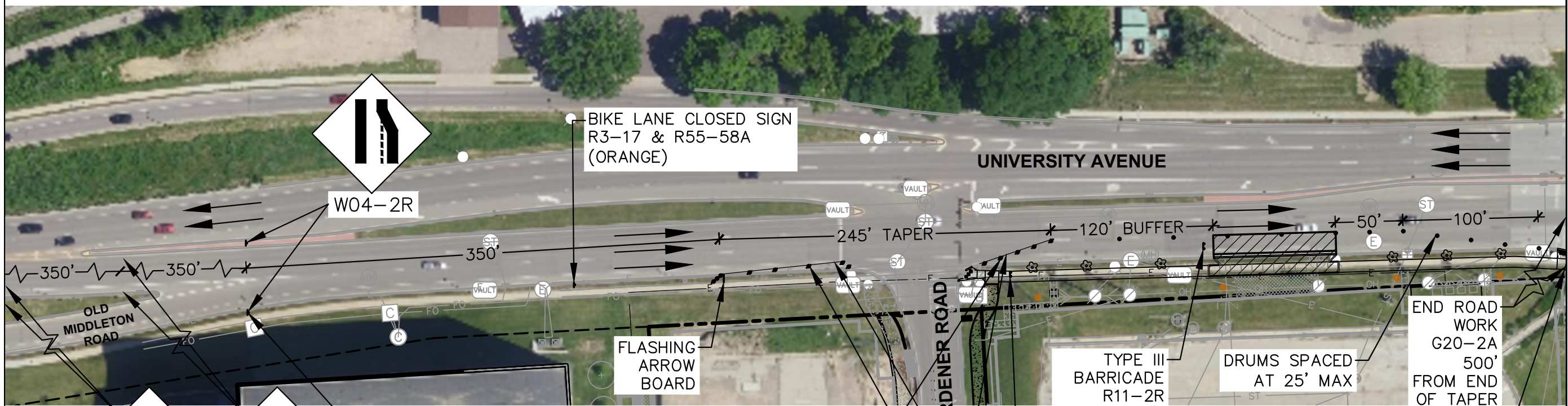
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Designed By: MSS  
Reviewed By: SJB  
Approved By: SJB

SHEET TITLE:  
**TRAFFIC CONTROL PLAN**

SHEET NUMBER:  
**TC-1**

JSD PROJECT NO: 19-9366



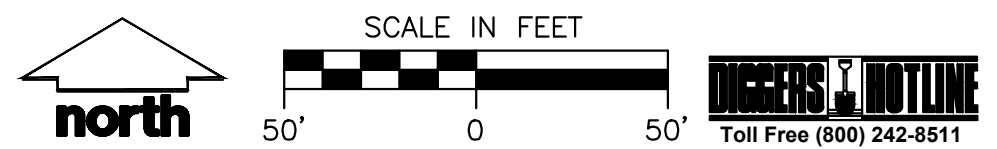
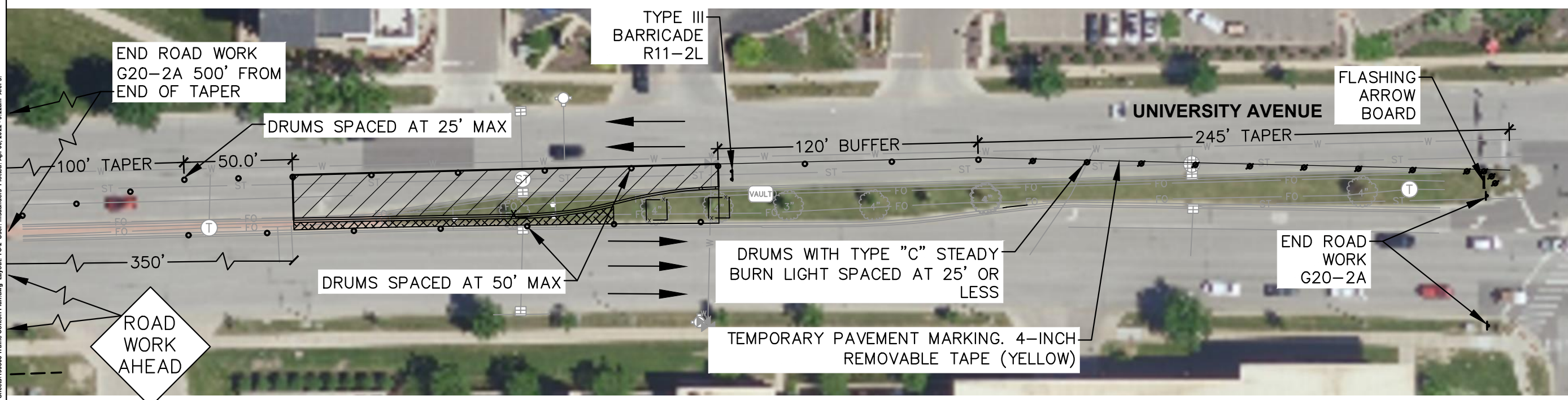
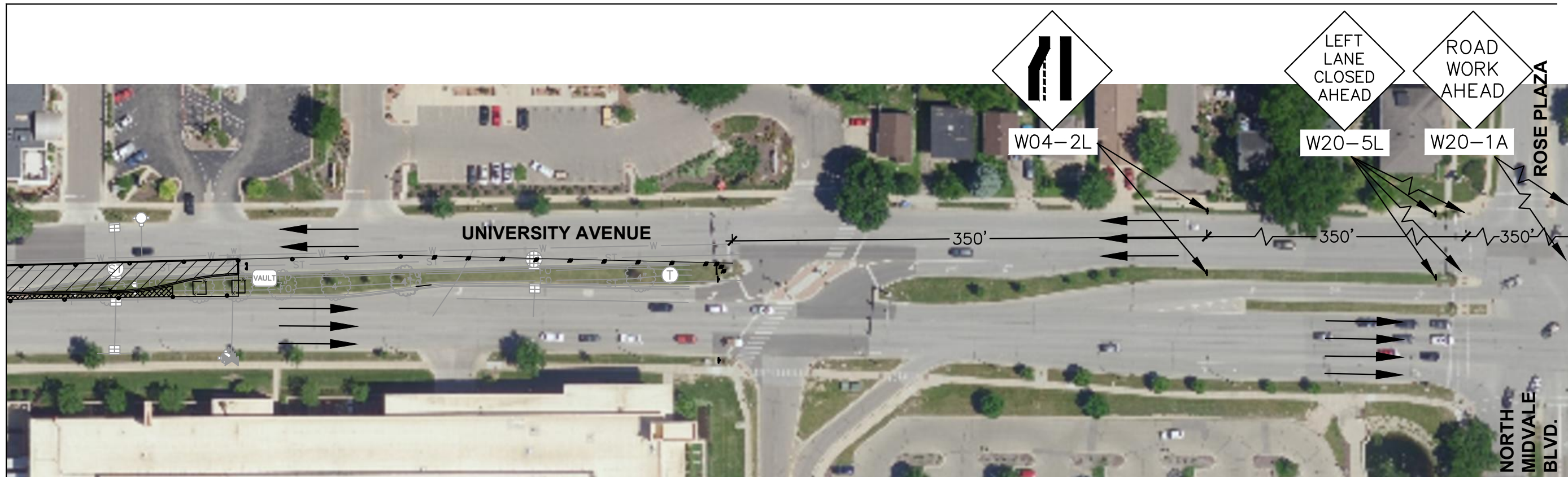
NOTE: REFER TO SDD 15D20-a ON TC-3 FOR FURTHER TRAFFIC CONTROL INFORMATION - REFER TO CITY OF MADISON PROJECT NO. 13495 FOR PROJECT DETAILS

Scale in Feet: 80' 0 80'


Logo: DIGGER'S HOTLINE Toll Free (800) 242-8511

File: I:\2019\199366\DWG\Civil\Sheets\199366 Traffic Control Plan.dwg Layout: TC-1 User: masanders Plotted: May 19, 2022 - 2:32 pm Xref's:

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NOTE: REFER TO SDD 15D20-a ON TC-3 FOR FURTHER TRAFFIC CONTROL INFORMATION  
 - REFER TO CITY OF MADISON PROJECT NO. 13495 FOR PROJECT DETAILS



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CLIENT:  
**SMITH GILBANE**

CLIENT ADDRESS:  
 241 N. BROADWAY, SUITE 400  
 MILWAUKEE, WI 53202

PROJECT:  
**UNIVERSITY AVENUE TRAFFIC CONTROL**

PROJECT LOCATION:  
 UNIVERSITY AVENUE  
 DANE COUNTY  
 CITY OF MADISON

PLAN MODIFICATIONS:		
#	Date:	Description:
1	04.05.2022	TRAFFIC CONTROL
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Designed By: MSS  
 Reviewed By: SJB  
 Approved By: SJB

SHEET TITLE:  
**TRAFFIC CONTROL PLAN**

SHEET NUMBER:  
**TC-2**

JSD PROJECT NO: 19-9366

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# SDD 15D20-a Traffic Control, Single Lane Closure, Divided Non-Freeway/Expressway

## LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

## GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

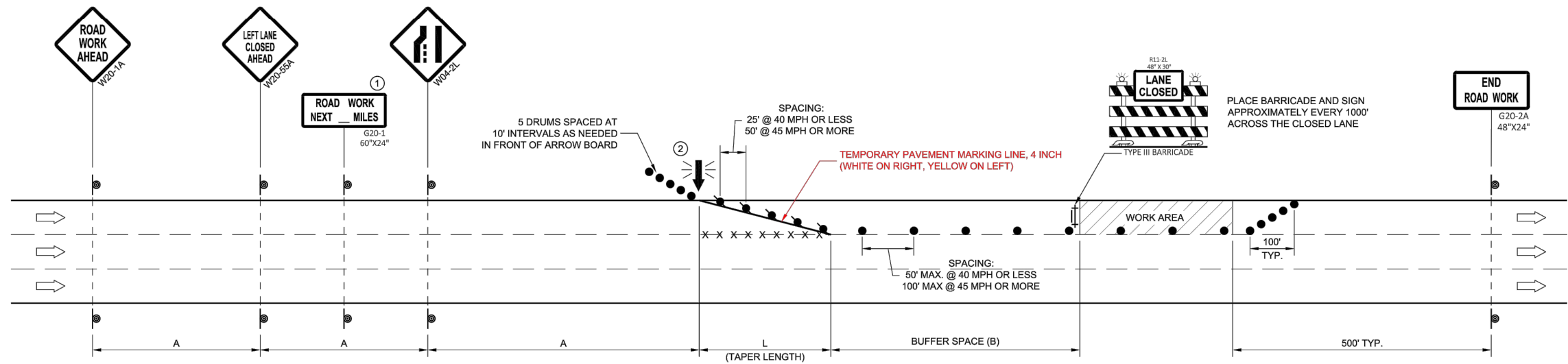
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

- ① OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- ② WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.

6

6



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

### TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
February 2022 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER

FWMA

SDD 15D20 - 06a



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CLIENT:  
**SMITH GILBANE**

CLIENT ADDRESS:  
**241 N. BROADWAY, SUITE 400  
MILWAUKEE, WI 53202**

PROJECT:  
**UNIVERSITY AVENUE  
TRAFFIC CONTROL**

PROJECT LOCATION:  
**UNIVERSITY AVENUE  
DANE COUNTY  
CITY OF MADISON**

#### PLAN MODIFICATIONS:

#	Date:	Description:
1	04.05.2022	TRAFFIC CONTROL
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Designed By: MSS  
Reviewed By: SJB  
Approved By: SJB

SHEET TITLE:  
**TRAFFIC CONTROL PLAN  
DETAIL**

SHEET NUMBER:

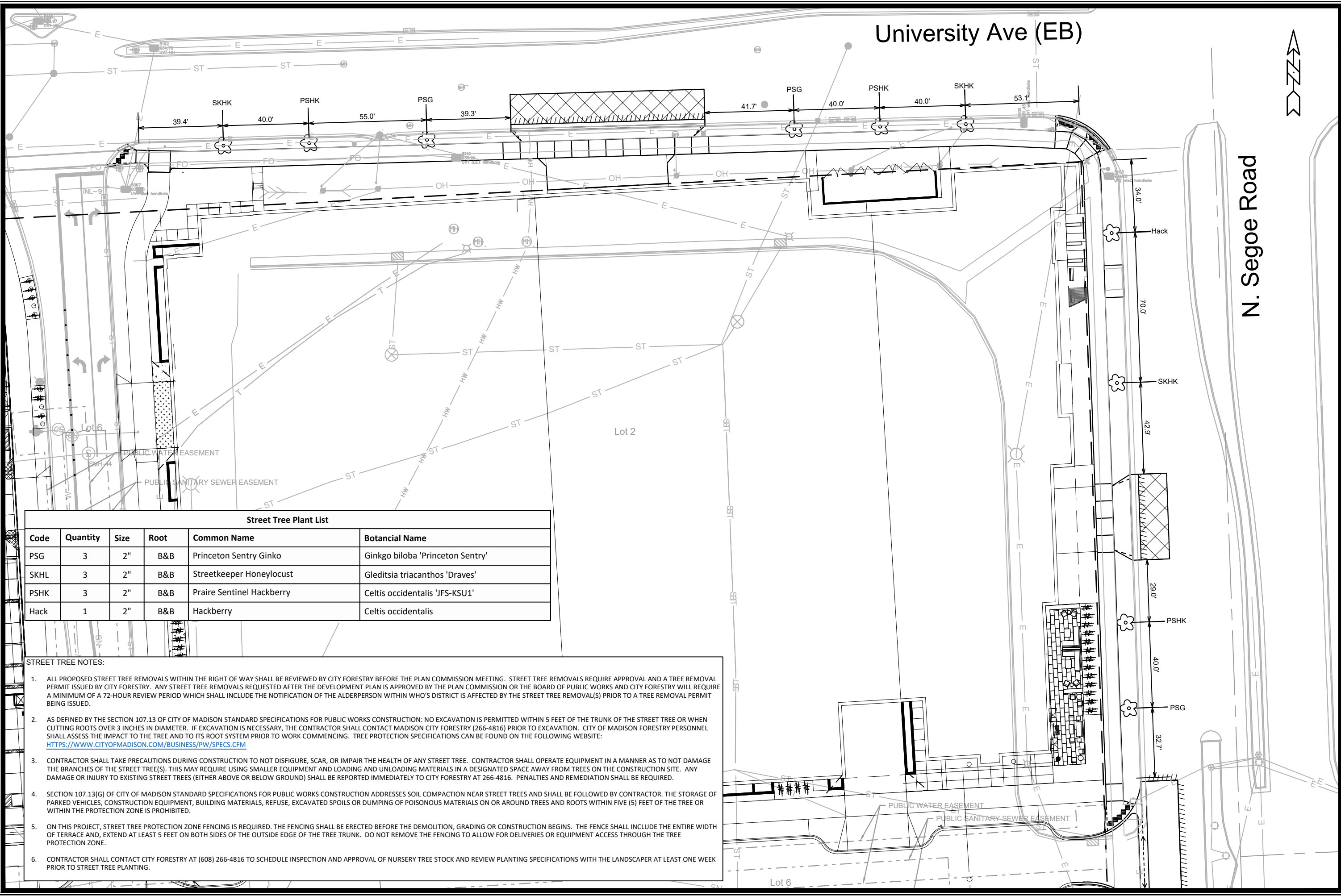
# TC-3

JSD PROJECT NO: 19-9366

SDD 15D20 - 06a



Toll Free (800) 242-8511



University Ave (EB)

N. Segoe Road

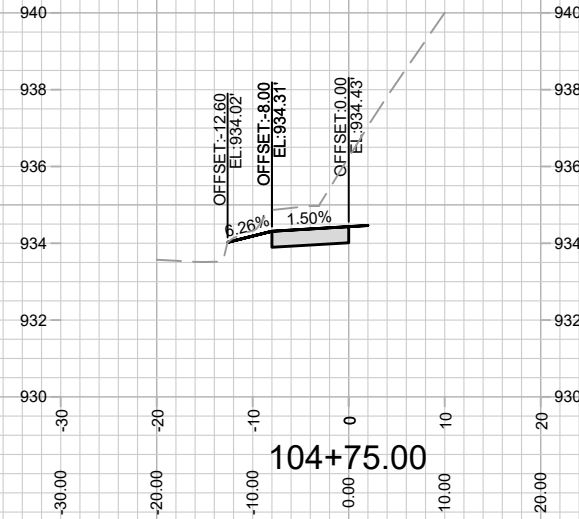
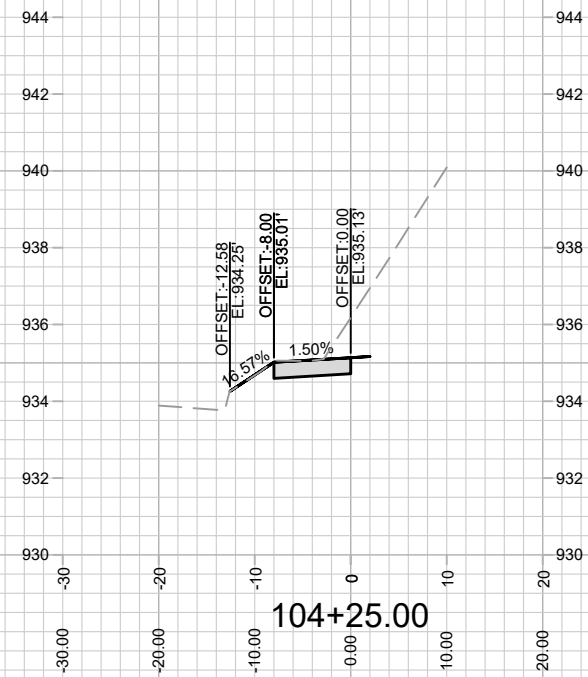
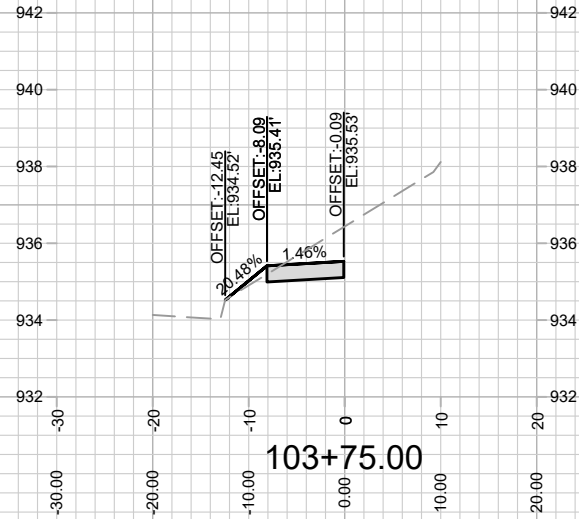
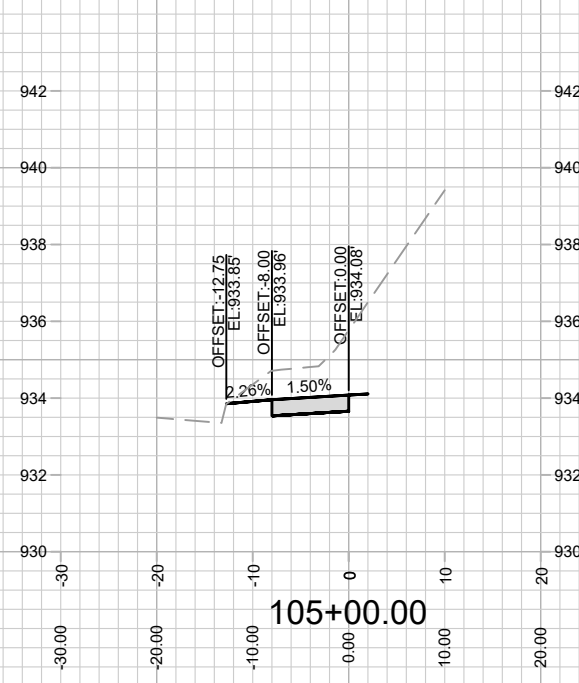
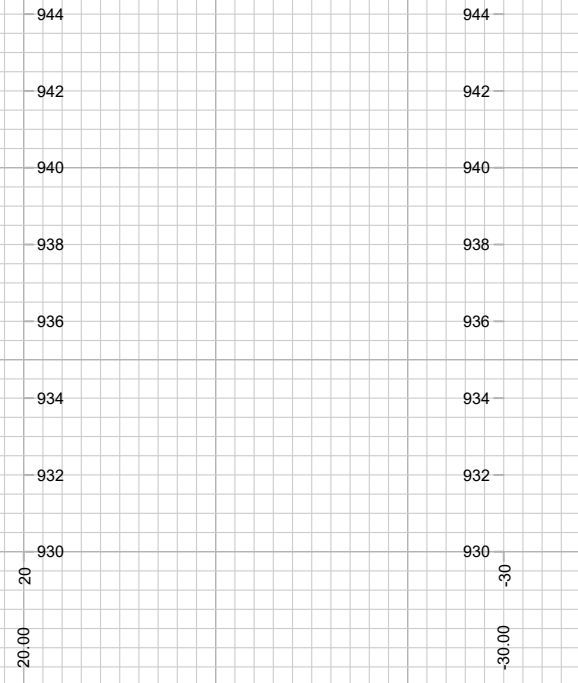
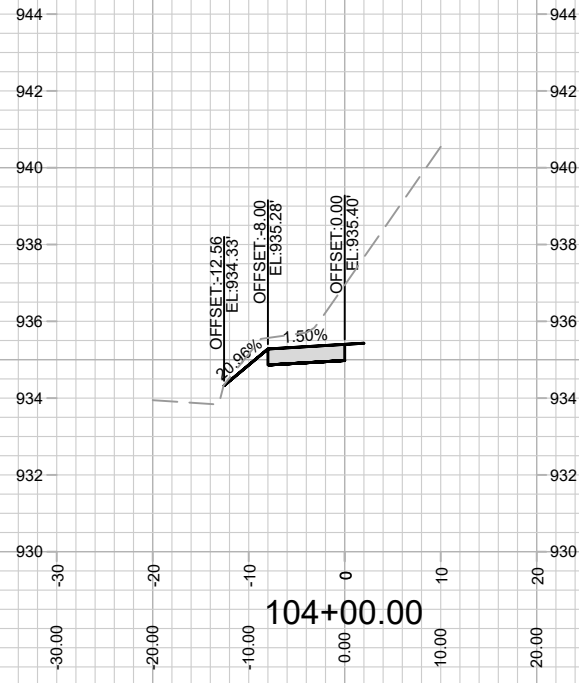


Street Tree Plant List

Code	Quantity	Size	Root	Common Name	Botanical Name
PSG	3	2"	B&B	Princeton Sentry Ginkgo	Ginkgo biloba 'Princeton Sentry'
SKHL	3	2"	B&B	Streetkeeper Honeylocust	Gleditsia triacanthos 'Draves'
PSHK	3	2"	B&B	Prairie Sentinel Hackberry	Celtis occidentalis 'JFS-KSU1'
Hack	1	2"	B&B	Hackberry	Celtis occidentalis

- STREET TREE NOTES:**
- 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)
  - 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 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
  - SECTION 107.13(G) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 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.
  - ON THIS PROJECT, STREET TREE PROTECTION ZONE FENCING IS REQUIRED. THE FENCING SHALL BE ERECTED BEFORE THE DEMOLITION, GRADING OR CONSTRUCTION BEGINS. THE FENCE SHALL INCLUDE THE ENTIRE WIDTH OF TERRACE AND, EXTEND AT LEAST 5 FEET ON BOTH SIDES OF THE OUTSIDE EDGE OF THE TREE TRUNK. DO NOT REMOVE THE FENCING TO ALLOW FOR DELIVERIES OR EQUIPMENT ACCESS THROUGH THE TREE PROTECTION ZONE.
  - CONTRACTOR SHALL CONTACT CITY FORESTRY AT (608) 266-4816 TO SCHEDULE INSPECTION AND APPROVAL OF NURSERY TREE STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER AT LEAST ONE WEEK PRIOR TO STREET TREE PLANTING.

LANDSCAPE PLAN	13495	MADISON, WI	9048	L-1
MADISON YARDS AT HILL FARMS PHASE 2				
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L-1				



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13495  
MADISON, WI  
9048  
CONTRACT NO:

UNIVERSITY AVE (EB) SIDEWALK CROSS SECTION  
MADISON YARDS AT HILL FARMS PHASE 2  
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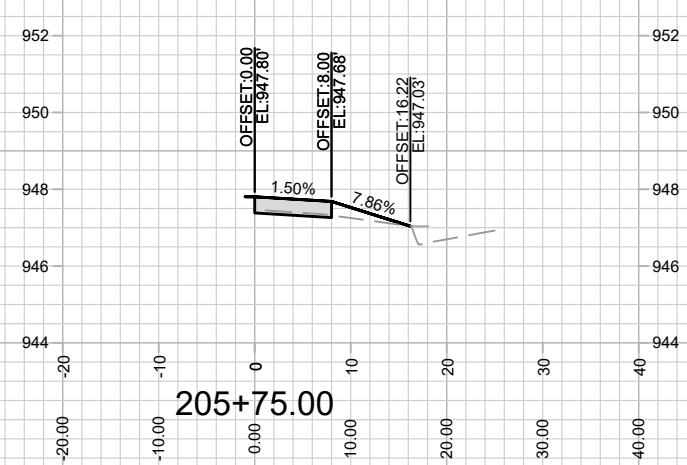
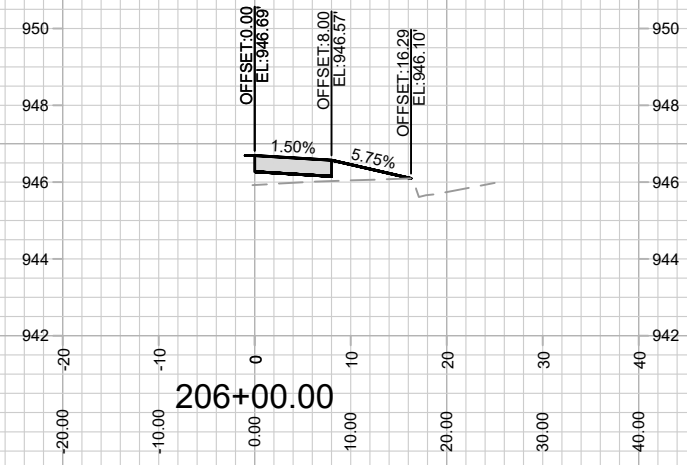
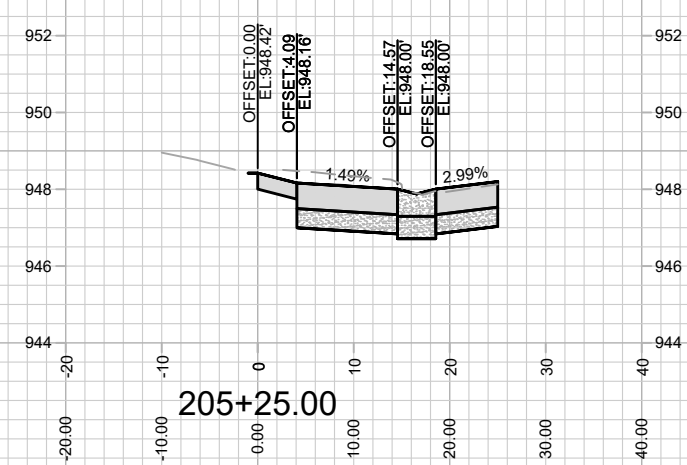
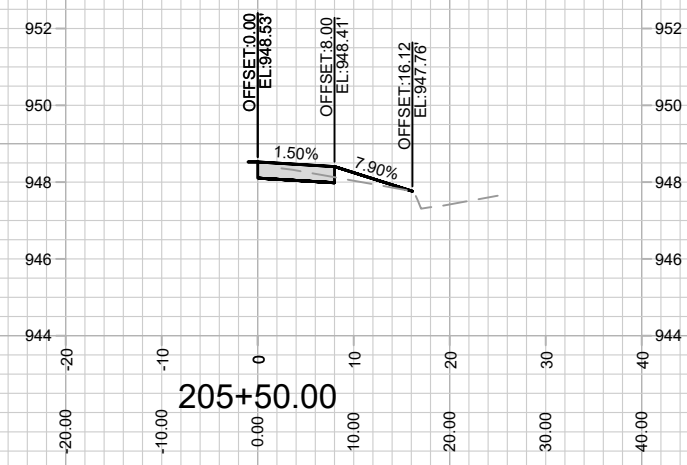
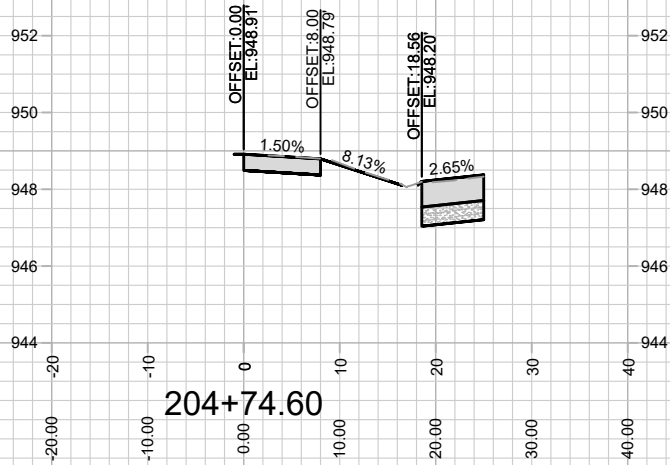
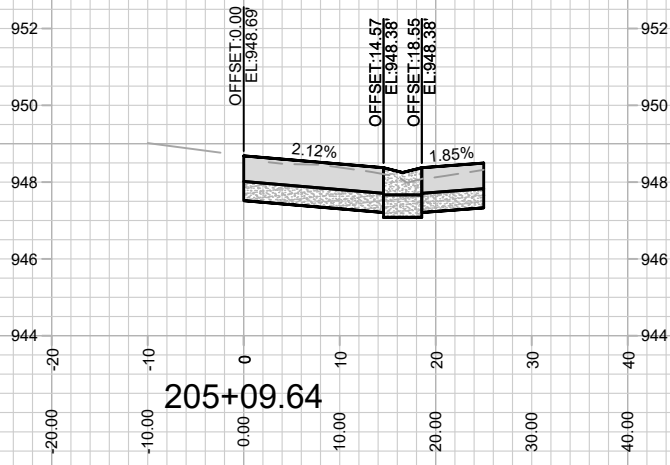


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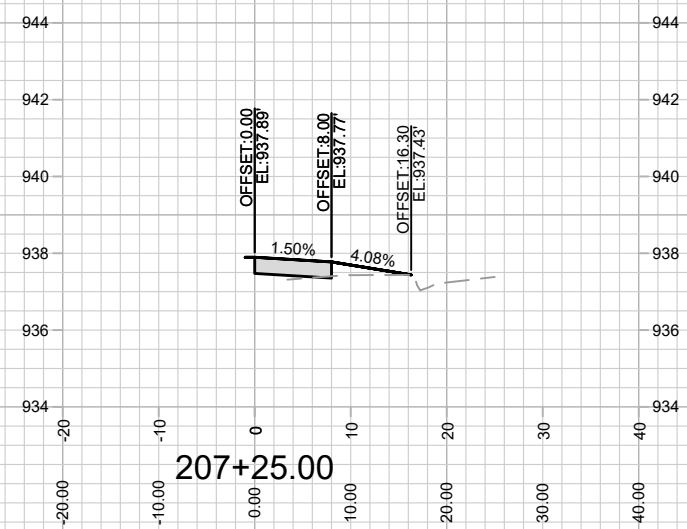
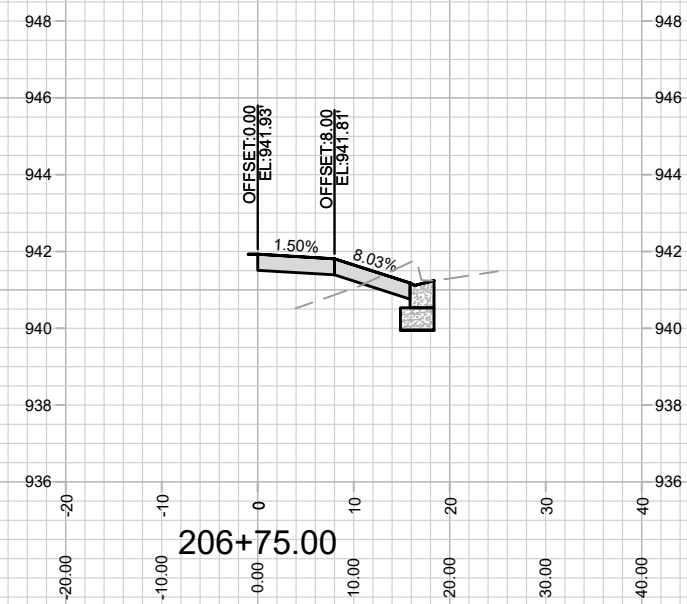
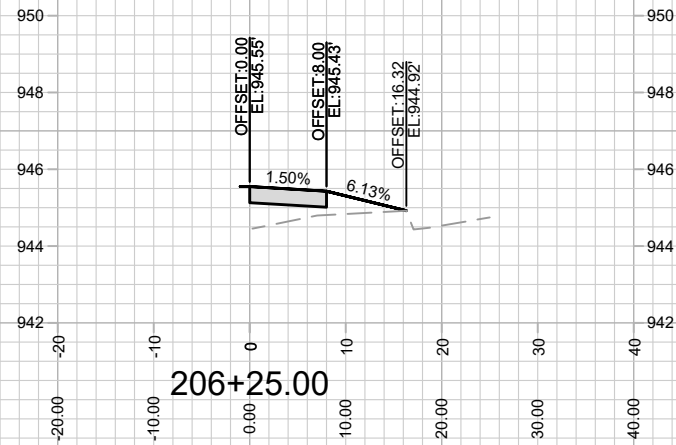
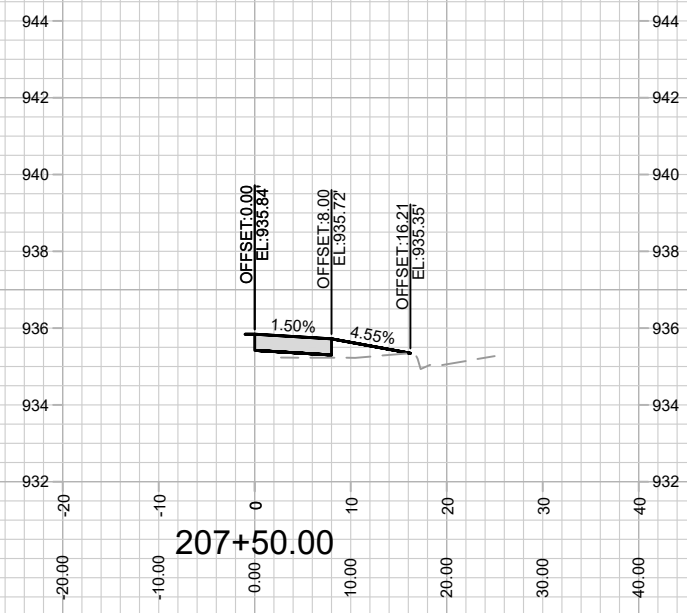
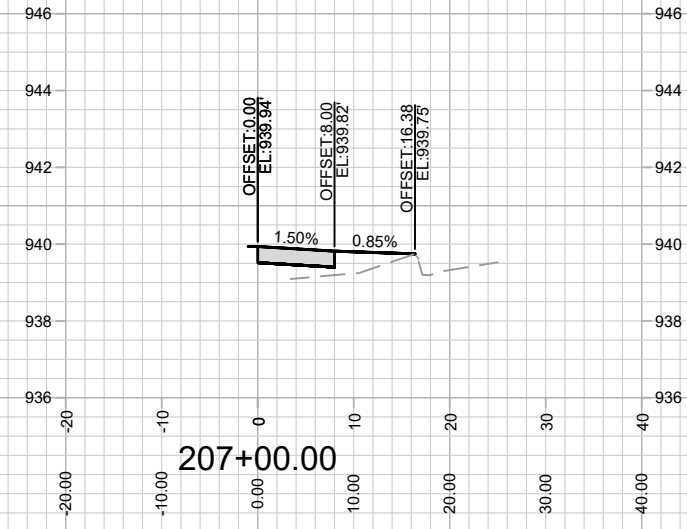
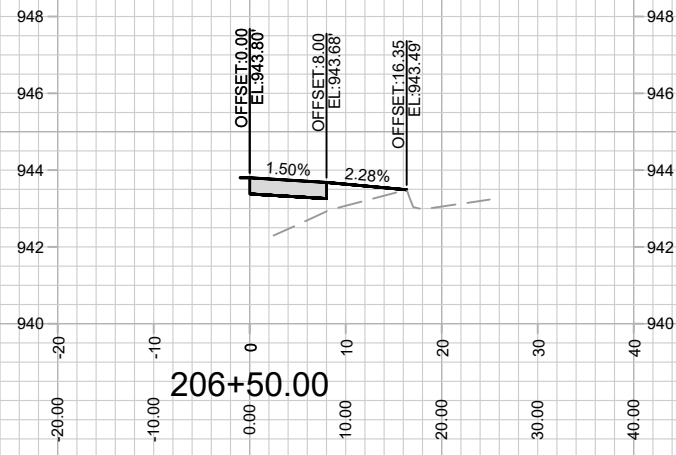


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 MADISON, WI  
 9048  
 CONTRACT NO:

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 MADISON YARDS AT HILL FARMS PHASE 2  
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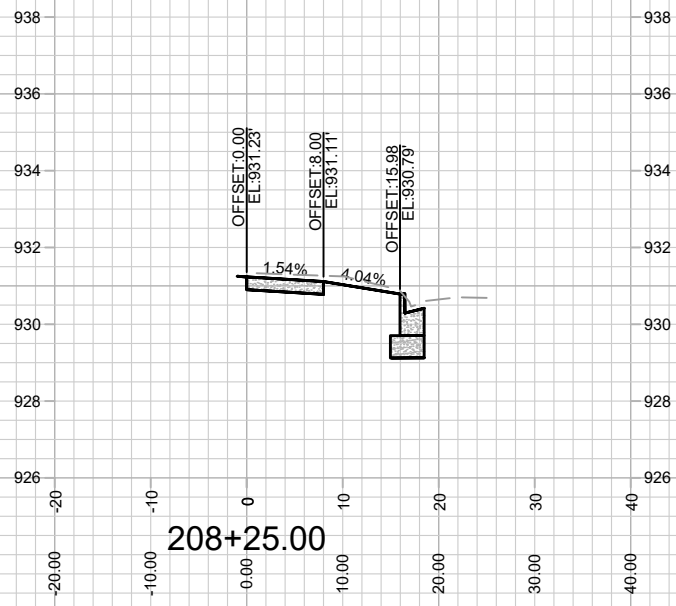
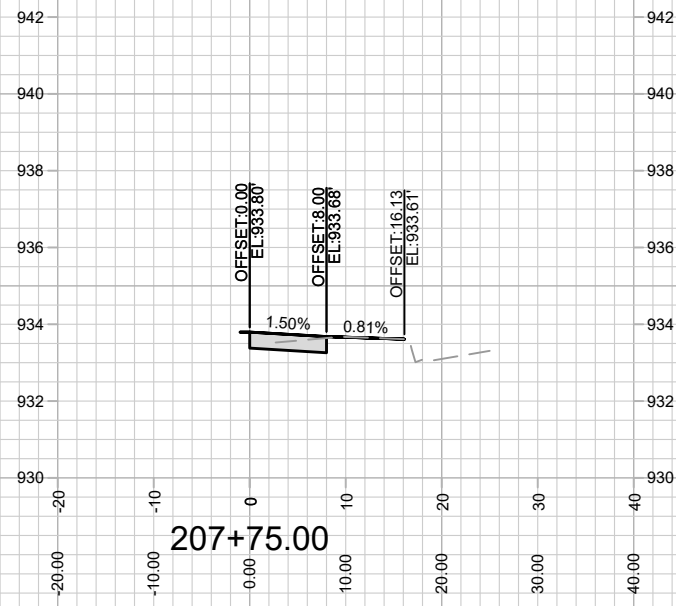
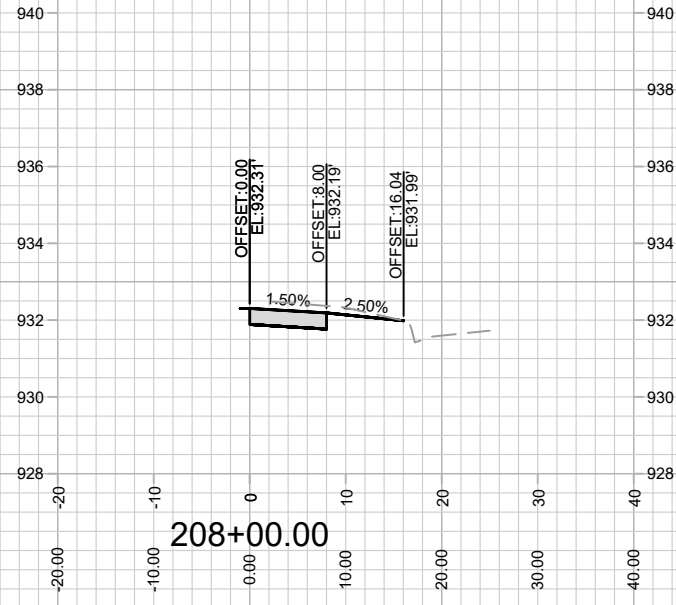
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 CONTRACT NO: 9048

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 X-5

Scale: 1" = 20'  
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N SEGOE SIDEWALK CROSS SECTION  
 MADISON YARDS AT HILL FARMS PHASE 2  
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 CONTRACT NO: 9048

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