

Madison, Wisconsin

CITY OF MADISON
CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

EAST-WEST BUS RAPID TRANSIT

CITY PROJECT NO. 13925

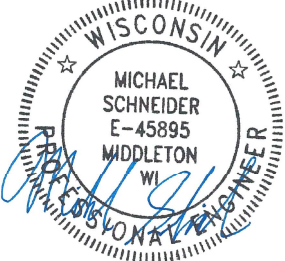
CONTRACT NO. 8716

PLAN REVISION 1
MARCH 23, 2023

PROFESSIONAL ENGINEER STAMPS AND SIGNATURES ON
THIS SHEET ARE FOR THE WORK INCLUDED IN PLAN
REVISION 1. REFER TO THE ADVERTISED GENERAL NOTES
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ARCHITECTURAL DESIGNED BY: KEVIN DuSHANE  Mar 24, 2023	STRUCTURAL (RESTROOM, CANOPY, STATION PLATFORM AND CHARGER FOUNDATION) DESIGNED BY: DAVID ATKINS  Mar 24, 2023	REMOVALS, SITE AND GRADING WESTERN SEGMENT DESIGNED BY: MICHAEL SCHNEIDER  Mar 24, 2023	REMOVALS, SITE AND GRADING EASTERN SEGMENT DESIGNED BY: BRIAN ANDREAS  Mar 24, 2023
DRAINAGE WESTERN SEGMENT DESIGNED BY: KYLE NEEVE  Mar 24, 2023	DRAINAGE EASTERN SEGMENT DESIGNED BY: RYAN RUFF  Mar 24, 2023	SIGNALS AND TRAFFIC CONTROL (NEW SIGNALIZED INTERSECTIONS) DESIGNED BY: TOM NOTBOHM  Mar 24, 2023	LIGHTING AND SIGNALS WESTERN SEGMENT DESIGNED BY: TYLER TKACHUK  Mar 24, 2023

PLOT SCALE: 1:1

PLOT NAME: ----

REV. DATE: 3/23/2023 4:51 PM

ORIGINATOR: CITY_OF_MADISON

GENERAL NOTES

1. ANY PAVEMENT MARKINGS THAT ARE REMOVED OR DAMAGED SHALL BE REPLACED BY THE DEVELOPER/CONTRACTOR AS DIRECTED BY CITY TRAFFIC ENGINEERING.
2. THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY.
3. THE CONTRACTOR SHALL CONTACT BRAD HOFMANN OF CITY FORESTRY AT LEAST ONE WEEK PRIOR TO PLANTING TO SCHEDULE MARKING THE PLANTING SITE, INSPECTING THE NURSERY STOCK, AND REVIEWING PLANTING SPECIFICATIONS WITH THE LANDSCAPER. CONTACT BRAD AT (608) 267-4908.
4. NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE CONTRACTOR HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6-2, REFERRING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.
5. ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.4% TOWARD STORM SEWER INLETS UNLESS APPROVED BY THE ENGINEER.
6. THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK CURB RAMPS SHALL BE CONSTRUCTED ACCORDING TO CITY OF MADISON DRAWINGS 3.03, 3.13, 3.14 OR WISDOT SD-08D05. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4.00:1. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG) AND THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN. AT CURB RAMPS WHERE THE SLOPED CURB HEAD FOR A CONCRETE OR GRADED SIDE FLARE CONFLICTS WITH AN INLET, A CURB RETURN WITH 2 FEET RADIUS SHOULD BE USED. IF A 2 FEET RADIUS IS NOT FEASIBLE, A STRAIGHT CURB RETURN SHOULD BE USED.
7. OBTAIN A DWG FILE OF THE ALIGNMENTS FROM THE CITY ENGINEER PRIOR TO STAKING THIS PROJECT.
8. CURB AND GUTTER STATION AND OFFSETS SHALL BE TO THE GUTTER FLANGE UNLESS OTHERWISE INDICATED.
9. SIGNAL AND LIGHTING POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK UNLESS APPROVED BY THE ENGINEER.
10. ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION INCLUDING OBJECTS IN DARK GRAY REPRESENTING PROPOSED WORK IN SEPARATE CONSTRUCTION PROJECTS.
11. 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 CONTRACTOR TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.
12. PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE. ALL SAWCUTS TO OCCUR ALONG JOINT LINES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
13. DAMAGE TO ANY EXISTING CURB, PAVEMENT, SIDEWALK, ETC. THAT IS TO REMAIN SHALL BE REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. REPAIR COST INCIDENTAL TO THE CONTRACT.
14. CONTRACTOR SHALL AVOID SOIL DISTURANCE AND VEGETATION REMOVAL AT THE JUNCTION ROAD WESTERN TERMINAL FROM OCTOBER 15 TO MARCH 15 TO MINIMIZE POTENTIAL IMPACTS TO THE RUSTY PATCHED BUMBLE BEE/YELLOW BUMBLE BEE.
15. PROVIDE EROSION AND RUNOFF PROVISION MEASURES AS SHOWN IN THE PLANS AND AS DIRECTED BY THE FIELD ENGINEER, INCLUDING IN AREAS OF LAND DISTURBANCE NEAR THE YAHARA RIVER AND STARKWEATHER CREEK.
16. THE BASE AGGREGATE DENSE (BAD) CALCULATIONS ARE BASED ON A UNIT WEIGHT OF 2.0 TONS/CY FOR 1 1/4-INCH BAD AND 2.2 TONS/CY FOR 3-INCH BAD.
17. THE HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON A UNIT WEIGHT OF 112 LBS/SY/IN OF DEPTH.
18. BID ITEMS MAY BE SHOWN ON MULTIPLE MQ SHEETS - VIEW PROVIDED SCHEDULE OF BID ITEMS FOR PROJECT TOTALS.
19. THE MOST RECENT VERSIONS OF THE WISDOT STANDARD DETAIL DRAWINGS PUBLISHED IN THE FACILITIES DEVELOPMENT MANUAL AND THE CITY OF MADISON STANDARD DRAWINGS PUBLISHED IN THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SHALL BE FOLLOWED WHEN APPLICABLE.
20. AREAS IN THE PLAN MAY HAVE BEEN SURVEYED PRIOR TO COMPLETION OF ADJACENT ROADWAY AND SITE DEVELOPMENT PROJECTS. KNOWN LOCATIONS INCLUDE SEGOE SB PLATFORM, SHOREWOOD, UNIVERSITY BAY, EAST CAMPUS MALL EB, AND THE SW QUADRANT OF MILWAUKEE STREET. THIS PLAN SET USES THE PROPOSED DESIGN FILES FROM PROJECTS WHERE SIGNIFICANT VARIANCES FROM EXISTING GRADE WERE EXPECTED, SUCH AS AT SHOREWOOD AND UNIVERSITY BAY. OTHER AREAS, SUCH AS SEGOE, EAST CAMPUS MALL EB AND THE SW QUADRANT OF MILWAUKEE STREET, ARE ANTICIPATED TO HAVE VARIANCES THAT MAY AFFECT GRADING BEHIND THE PROPOSED INFRASTRUCTURE.

 REVISED 02/16/2023 CTL

CONCRETE PAVEMENT STRUCTURE	
STATION	PAVEMENT DESIGN
-JUNCTION ROAD-TRANSIT AREA -EAU CLAIRE AVENUE -SEGOE BOULEVARD -MIDVALE BOULEVARD -SHOREWOOD BOULEVARD -UNIVERSITY BAY DRIVE -ORCHARD STREET EB -EAST CAMPUS MALL WB&EB -STATE STREET WB&EB -CAPITOL SQUARE	11-INCH CONCRETE PAVEMENT 6 INCHES BASE AGGREGATE DENSE (BAD) 1 1/4-INCH OVER 6 INCHES BAD 3-INCH
-BLAIR STREET -PATERSON STREET -BALDWIN STREET -FIRST STREET -FOURTH STREET -MILWAUKEE NORTH STREET	11-INCH CONCRETE PAVEMENT EXISTING BASE AGGREGATE DENSE (BAD) 1 1/4 INCH
-HIGH POINT ROAD -WESTFIELD ROAD -GRAND CANYON ROAD -ISLAND DRIVE -ROSA ROAD -WHITNEY WAY AT MINERAL POINT ROAD -REGENT STREET -ANDERSON STREET WB&EB -MENDOTA STREET CONNECTION -PORTAGE AVENUE WB -METRO SATELLITE MAINTENANCE FACILITY -SUN PRAIRIE PARK AND RIDE	10-INCH CONCRETE PAVEMENT 6 INCHES BASE AGGREGATE DENSE (BAD) 1 1/4-INCH OVER 6 INCHES BAD 3-INCH
-MARQUETTE STREET -MELVIN COURT-RETHKE AVENUE -MENDOTA STREET WB&EB -THIERER ROAD-PORTAGE AVENUE WB&EB -INDEPENDENCE LANE WB&EB -EAST SPRINGS DRIVE WB&EB	10-INCH CONCRETE PAVEMENT EXISTING BASE AGGREGATE DENSE (BAD) 1 1/4-INCH

HMA PAVEMENT STRUCTURE	
SEGMENT	PAVEMENT DESIGN
-JUNCTION ROAD-NON-TRANSIT AREA	2.5" HMA PAVEMENT 4 MT 58-28 S 4" HMA PAVEMENT 3 MT 58-28 S 8" BASE AGGREGATE DENSE 1 1/4-INCH 8" BAD 3-INCH
- CAMPUS DRIVE EB	2" HMA PAVEMENT HT 58-28 H 3" HMA PAVEMENT HT 58-28-S 3" HMA PAVEMENT HT 58-28-S 12" BASE AGGREGATE DENSE 1 1/4-INCH 12" BASE AGGREGATE DENSE 3-INCH
-NORTH STOUGHTON SERVICE RD - MENDOTA STREET -INDEPENDENCE LANE - EAST SPRINGS DRIVE	2" HMA PAVEMENT 4 MT 58-28 S
-MENDOTA BUS/BIKE CONNECTOR -ANDERSON STREET -WHITNEY WAY -SHEBOYGAN AVE, SEGOE RD -MIDVALE BOULEVARD -SUN PRAIRIE PARK AND RIDE	2.5" HMA PAVEMENT 4 MT 58-28 S 3" HMA PAVEMENT 4 MT 58-28 S 6" BASE AGGREGATE DENSE 1 1/4-INCH 6" BAD 3-INCH
RESURFACING: - CAMPUS DRIVE EB -SIDE ROADS	2" HMA 4 HT 58-28 H
-ANDERSON STREET BIKE PATH	3" HMA PAVEMENT 4 MT 58-28 S

BASE AGGREGATE	
SEGMENT	PAVEMENT DESIGN
BIKE LANE BEHIND PLATFORMS, CURB RAMPS, BICYCLE RAMPS, DRIVEWAYS, DRIVEWAY SIDEWALKS AND ANY OTHER CONCRETE SIDEWALK 7-INCH	7" CONCRETE OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH
CONCRETE SIDEWALK 5-INCH	5" CONCRETE OVER 2" BASE AGGREGATE DENSE 1 1/4-INCH

ALIGNMENT NAMING

AN ANDERSON STREET
HA HANSON ROAD SIDEWALK
JO JOHNSON STREET
JR JUNCTION ROAD
ME MENDOTA STREET
MP MINERAL POINT ROAD
PNR JUNCTION RD PARK & RIDE BUS BAYS
PNRL JUNCTION RD PARK & RIDE LOOP
SH SHEBOYGAN AVENUE
SE SEGOE ROAD
ST STATE STREET
SQN CAPITOL SQUARE NORTH
SQS CAPITOL SQUARE SOUTH
UC UNIVERSITY AVE/CAMPUS DR
UN UNIVERSITY AVE
WA EAST WASHINGTON AVENUE
WR WRIGHT STREET
WW WHITNEY WAY

STATION NAMING

WB UNIVERSITY AVENUE AT MIDVALE BOULEVARD

LOCATION INDICATORSTATION* NAME

*A STATION CONSISTS OF A MEDIAN PLATFORM, TWO CURBSIDE PLATFORMS, OR A TERMINAL PLATFORM.

PLAN SET BREAKDOWN

1 TITLE, GENERAL NOTES, OVERVIEW, TYPICAL SECTIONS, CONSTRUCTION DETAILS
2 REMOVAL PLAN, SITE PLAN, GRADING PLAN, STORM SEWER SCHEDULE
3 TRAFFIC SIGNALS, ELECTRICAL PLAN, LIGHTING PLAN, COMMUNICATION PLAN
4 TRAFFIC CONTROL, PAVEMENT MARKING DETAILS/PLAN, EXISTING SIGNING/REMOVALS, PERMANENT SIGNING
5 ARCHITECTURAL, STRUCTURAL, BUILDING MECHANICAL, ELECTRICAL & PLUMBING
6 MISCELLANEOUS QUANTITIES

ABBREVIATIONS

BAD BASE AGGREGATE DENSE
BOC BACK OF CURB
BOW BACK OF WALK
EL ELEVATION
EOP EDGE OF PAVEMENT
EOW EDGE OF WALK
FL FLOW LINE
FOW FRONT OF WALK
MATCH MATCH EXISTING
PSCP PUBLIC STREET CROSSING PERMIT
TOP TOP OF PLATFORM
TYP TYPICAL

PROJECT CONTACTS

CITY OF MADISON

ENGINEERING DIVISION
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BRT PROGRAM MANAGER
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CITY OF MADISON DEPARTMENT OF TRANSPORTATION
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EMAIL: MCechvala@cityofmadison.com

60631225P

CITY OF MADISON, DANE COUNTY, WI

60631225C

GENERAL NOTES

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

G-2

FILE NAME : C:\P\WORKING\AECOM_DS20_NA_2019\CO021426\DM586348\020101-GN.DWG
LAYOUT NAME - 02
LAST PLOT DATE - 2023-02-28

STATION PLATFORM LOCATION	PLATFORM DIRECTION	PLATFORM LENGTH (FT)	PLATFORM WIDTH (FT)	PLATFORM HEIGHT (IN)	CANOPY SIZE	LONGITUDINAL SLOPE	CROSS SLOPE	PLATFORM DETAIL DWG NO.	DISCHARGE TYPE	STAIR RISE	HANDRAIL	SOLAR PANELS
JUNCTION ROAD	END OF LINE	60	10	13.5	20'-5" x 9'-6"	0.9%	1.50%	CURBSIDE CHARGING STATION (A6)	GRASS AREA AND CONNECT TO SEWER			
JUNCTION ROAD	END OF LINE	60	10	13.5	20'-5" x 9'-6"	1.2%	1.50%	CURBSIDE CHARGING STATION (A6)				
MINERAL POINT ROAD AT HIGH POINT ROAD	EB/WB	60	12	13.5	60'-6" x 11'-0"	2.2%	1.50%	CENTER (B1)	DIRECT CONNECT TO SEWER			YES
MINERAL POINT ROAD AT WESTFIELD ROAD	EB/WB	60	12	13.5	60'-6" x 11'-0"	1.6%	1.7-1.5%	CENTER (B1)	GRASS AREA AND PLANTERS			YES
MINERAL POINT ROAD AT GRAND CANYON DRIVE	EB/WB	60	12	13.5	60'-6" x 11'-0"	3.0%	1.50%	CENTER (B1)	DIRECT CONNECT TO SEWER			YES
MINERAL POINT ROAD AT ISLAND DRIVE	EB/WB	60	12	13.5	60'-6" x 11'-0"	0.6%	1.50%	CENTER (B1)	GRASS AREA AND PLANTERS			YES
MINERAL POINT ROAD AT ROSA ROAD	EB/WB	60	12	13.5	60'-6" x 11'-0"	0.8%	1.50%	CENTER (B1)	GRASS AREA AND PLANTERS			YES
WHITNEY WAY AT MINERAL POINT ROAD	EB/WB	60	12	13.5	60'-6" x 11'-0"	2.6-4.9%	2.7-1.3%	CENTER (B1)	DIRECT CONNECT TO SEWER			YES
WHITNEY WAY AT REGENT STREET	EB/WB	50	12	13.5	23'-5" X 11'-0"	1.2%	1.50%	REDUCED CENTER (C)	NO STORM SEWER			
SHEBOYGAN AVENUE AT EAU CLAIRE AVENUE	EB/WB	60	12	13.5	60'-6" x 11'-0"	1.1%	1.50%	CENTER (B1)	NO STORM SEWER			YES
SHEBOYGAN AVENUE AT SEGOE ROAD	WB	60	10	13.5	60'-6" x 9'-6"	2.4%	1.50%	CURBSIDE - ISLAND (A1)	NO STORM SEWER - GRASS AREA			YES
SHEBOYGAN AVENUE AT SEGOE ROAD	EB	60	10	13.5	60'-6" x 9'-6"	2.7%	1.50%	CURBSIDE CENTER (A7)				YES
UNIVERSITY AVENUE AT MIDVALE BOULEVARD	EB/WB	60	12	13.5	60'-6" x 11'-0"	0.9%	1.50%	CENTER (B1)				
UNIVERSITY AVENUE AT SHOREWOOD BOULEVARD	EB/WB	60	12	13.5	60'-6" x 11'-0"	0.4%	1.40%	CENTER (B1)	DIRECT CONNECT TO SEWER			YES
UNIVERSITY AVENUE AT UNIVERSITY BAY DRIVE	EB/WB	60	12	13.5	60'-6" x 11'-0"	0.5%	1.50%	CENTER (B1)	DIRECT CONNECT TO SEWER			YES
UNIVERSITY AVENUE AT ORCHARD STREET	WB	60	10	13.5	60'-6" x 9'-6"	0.3%	1.50%	CURBSIDE (A2)	DIRECT CONNECT TO SEWER	1 RISER 7.0"	NO	YES
JOHNSON STREET AT ORCHARD STREET	EB	60	10	13.5	60'-6" x 9'-6"	0.4%	1.50%	CURBSIDE (A2)	DIRECT CONNECT TO SEWER	1 RISER 6.72"	NO	YES
UNIVERSITY AVENUE AT EAST CAMPUS MALL	WB	60	10	13.5	60'-6" x 9'-6"	0.5%	1.50%	CURBSIDE (A1)				YES
UNIVERSITY AVENUE AT EAST CAMPUS MALL	SB	60	10	13.5	N/A	0.3%	1.50%	NO CANOPY				
JOHNSON STREET AT EAST CAMPUS MALL	EB	60	10	13.5	60'-6" x 9'-6"	1.1%	1.50%	CURBSIDE (A1)	NO STORM SEWER			YES
STATE STREET - GORHAM STREET	WB	50	10	13.5	23'-5" X 9'-6"	1.6-1.7%	1.50%	REDUCED CURBSIDE (A4)	DISCHARGE TO FLOWLINE	1 RISERS 6"	NO	
STATE STREET - JOHNSON STREET	EB	50	10	13.5	23'-5" X 9'-6"	2.3%	1.50%	REDUCED CURBSIDE (A3)	DIRECT CONNECT TO INLET *	1 RISER 6"	NO	
CAPITOL SQUARE - MIFFLIN STREET AT WISCONSON AVENUE	WB	60	10	13.5	60'-6" x 9'-6"	1.0%	1.50%	CURBSIDE (A2)	DIRECT CONNECT TO INLET *	2 RISERS 5.67"	YES	YES
CAPITOL SQUARE - MAIN STREET AT MARTLIN LUTHER KING BOULEVARD	EB	60	10	13.5	60'-6" x 9'-6"	1.4%	1.50%	CURBSIDE (A2)	DIRECT CONNECT TO INLET *	2 RISERS 5.55"	YES	YES
EAST WASHINGTON AVENUE AT BLAIR STREET	EB/WB	60	14	13.5	60'-6" X 13'-0"	4.3%	1.30%	CENTER (B2)	DISCHARGE TO FLOWLINE			YES
EAST WASHINGTON AVENUE AT PATERSON STREET	EB/WB	60	14	13.5	60'-6" X 13'-0"	0.2-0.4%	1.5-0.5%	CENTER (B2)	DIRECT CONNECT TO INLET *			YES
EAST WASHINGTON AVENUE AT BALDWIN STREET	EB/WB	60	14	13.5	60'-6" X 13'-0"	0.5%	1.50%	CENTER (B2)	DIRECT CONNECT TO INLET *			YES
EAST WASHINGTON AVENUE AT FIRST STREET	EB/WB	60	12	13.5	60'-6" X 11'-0"	3.4-3.5%	1.5-1.4%	CENTER (B1)	DIRECT CONNECT TO INLET			YES
EAST WASHINGTON AVENUE AT FOURTH STREET	EB/WB	60	14	13.5	60'-6" X 13'-0"	0.8%	1.50%	CENTER (B2)	DIRECT CONNECT TO INLET			YES
EAST WASHINGTON AVENUE AT MILWAUKEE-NORTH STREET	WB	60	10	13.5	60'-6" X 9'-6"	0.4%	1.00%	CURBSIDE CENTER (A5)	DIRECT CONNECT TO INLET			YES
EAST WASHINGTON AVENUE AT MILWAUKEE-NORTH STREET	EB	60	10	13.5	60'-6" X 9'-6"	1.2%	0.80%	CURBSIDE CENTER (A5)	DIRECT CONNECT TO MANHOLE			YES
EAST WASHINGTON AVENUE AT MARQUETTE STREET	EB/WB	60	14	13.5	60'-6" X 13'-0"	0.4%	1.50%	CENTER (B2)	DIRECT CONNECT TO INLET *			YES
EAST WASHINGTON AVENUE AT MELVIN COURT-RETHKE AVENUE	EB/WB	60	14	13.5	60'-6" X 13'-0"	0.4%	1.5-1.3%	CENTER (B2)	DIRECT CONNECT TO INLET *			YES
EAST WASHINGTON AVENUE AT WRIGHT STREET - FAIR OAKS AVENUE	EB/WB	60	12	13.5	60'-6" x 11'-0"	1.6%	1.50%	CENTER (B1)	DIRECT CONNECT TO INLET			YES
WRIGHT STREET AT ANDERSON STREET	WB	60	10	13.5	60'-6" X 9'-6"	1.0%	1.50%	CURBSIDE - ISLAND (A2)	DISCHARGE TO FLOWLINE - NO TLE			YES
WRIGHT STREET AT ANDERSON STREET	EB	60	10	13.5	60'-6" X 9'-6"	1.1%	1.50%	CURBSIDE - ISLAND (A1)	DIRECT CONNECT TO INLET	1 RISER 6.5"	NO	YES
EAST WASHINGTON AVENUE AT MENDOTA STREET	WB	50	10	13.5	23'-5" X 9'-6"	0.5%	1.50%	REDUCED CURBSIDE (A4)	GRASS OUTLET ON SIDE OF PLATFORM			
EAST WASHINGTON AVENUE AT MENDOTA STREET	EB	60	10	13.5	60'-6" X 9'-6"	0.6%	1.50%	CURBSIDE - ISLAND (A1)	DISCHARGE TO FLOWLINE	1 RISER 6.5"	NO	YES
EAST WASHINGTON AVENUE AT THIERER ROAD - PORTAGE AVENUE	WB	60	10	13.5	60'-6" X 9'-6"	0.4%	1.50%	CURBSIDE - ISLAND (A1)	DIRECT CONNECT TO INLET *			YES
EAST WASHINGTON AVENUE AT THIERER ROAD - PORTAGE AVENUE	EB	60	10	13.5	60'-6" X 9'-6"	0.4%	1.50%	CURBSIDE - ISLAND (A1)	DIRECT CONNECT TO INLET *			YES
EAST WASHINGTON AVENUE AT INDEPENDENCE LANE	WB	60	10	13.5	60'-6" X 9'-6"	1.1%	1.50%	CURBSIDE - ISLAND (A1)	DIRECT CONNECT TO INLET			YES
EAST WASHINGTON AVENUE AT INDEPENDENCE LANE	EB	60	10	13.5	60'-6" X 9'-6"	1.3%	1.50%	CURBSIDE - ISLAND (A1)	DIRECT CONNECT TO INLET			YES
EAST WASHINGTON AVENUE AT EAST SPRINGS DRIVE	WB	60	10	13.5	60'-6" X 9'-6"	2.9%	1.50%	CURBSIDE - ISLAND (A1)	GRASS OUTLET ON SIDE OF PLATFORM			YES
EAST WASHINGTON AVENUE AT EAST SPRINGS DRIVE	EB	60	10	13.5	60'-6" X 9'-6"	2.4%	1.50%	CURBSIDE - ISLAND (A2)	GRASS OUTLET ON SIDE OF PLATFORM			YES
HANSON ROAD TEST PLATFORM	EB/WB	60	12	13.5	N/A	0.3%	1.50%	NO CANOPY				

* DOWNSPOUT ORIENTATION FLIPPED TO FRONT STATION

PLATFORM & CANOPY TYPE	TOTAL
CURBSIDE (A1)	2
CURBSIDE (A2)	4
CURBSIDE - ISLAND (A1)	8
CURBSIDE - ISLAND (A2)	2
REDUCED CURBSIDE (A3)	1
REDUCED CURBSIDE (A4)	2
CURBSIDE CENTER (A5)	2
CURBSIDE CHARGING STATION (A6)	2
CURBSIDE CENTER (A7)	1
CENTER (B1)	12
CENTER (B2)	6
REDUCED CENTER (C)	1
NO CANOPY	2

03/12/23	MEM	PLAN REVISION 1	11/02/22	MEM	ADDENDUM 4	11/07/22	MEM	ADDENDUM 3	REVISION	DATE	BY	Scale: N/A
												Designed By: AECOM 60631225P

60631225P	CITY OF MADISON, DANE COUNTY, WI	CONTRACT NO: 60631225C
PROJECT OVERVIEW	BUS RAPID TRANSIT	CITY OF MADISON

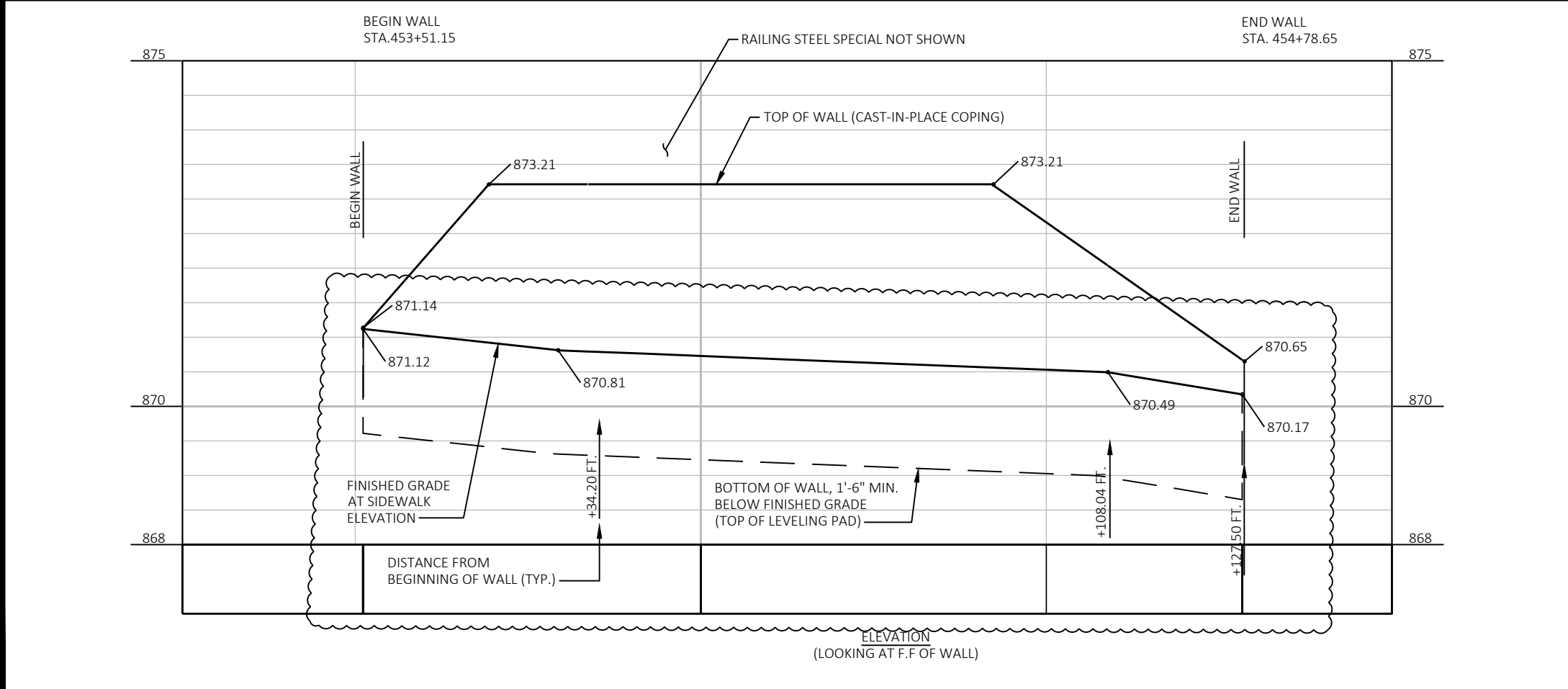
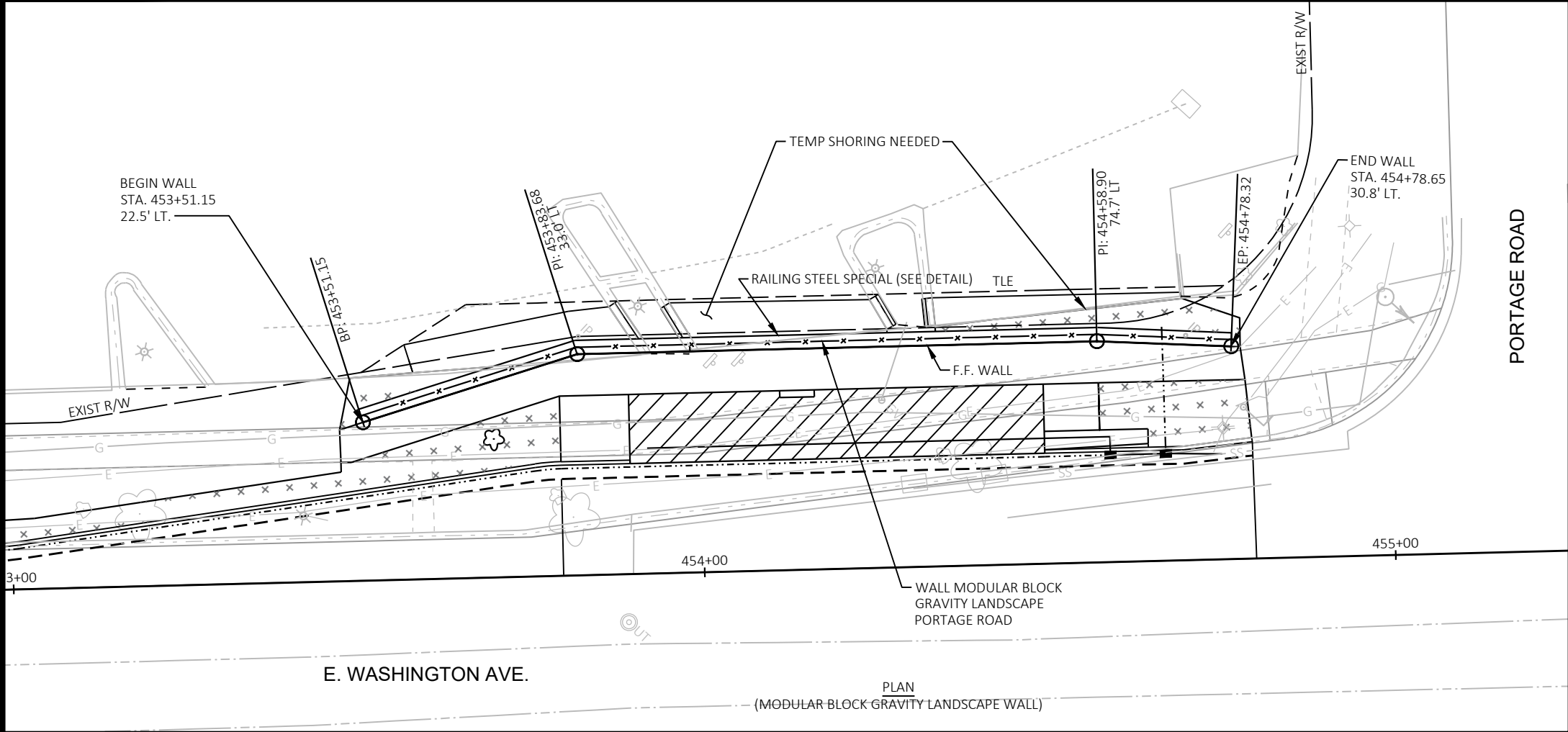


60631225P

O-5



REVISED 03/12/2023 MEM



GENERAL NOTES
DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE PORTAGE ROAD" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" FT BELOW FINISHED GRADE. SEE "MISCELLANEOUS QUANTITIES" FOR WALL MODULAR BLOCK LANDSCAPE QUANTITY.

EXCAVATION FOR WALL IS INCLUDED WITH BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE PORTAGE ROAD."

ALL DIMENSIONS ARE ALONG THE FRONT FACE OF THE WALL, UNLESS OTHERWISE SHOWN.

DESIGN DATA
PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE".

A GEOTECHNICAL INVESTIGATION HAS NOT BEEN COMPLETED FOR THIS WALL. SOIL PARAMETERS ARE PROVIDED ON THE WALL DETAILS SHEET.

PLANS, ELEVATIONS AND DETAILS SHOWN ON THIS DRAWING ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

LEGEND
F.F. = FRONT FACE

R/W = RIGHT OF WAY

NOTE
SEE WALL DETAILS ON WALL DETAILS SHEET.

REVISED 2/16/23 DJC

DATE	BY	REVISION	Scale: N/A
2/16/23	DJC	PLAN REVISION 1	
1	MARK	Designd By: STRAWO Date: 2023-03-02	60631225P

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

PORTAGE ROAD CONSTRUCTION DETAILS

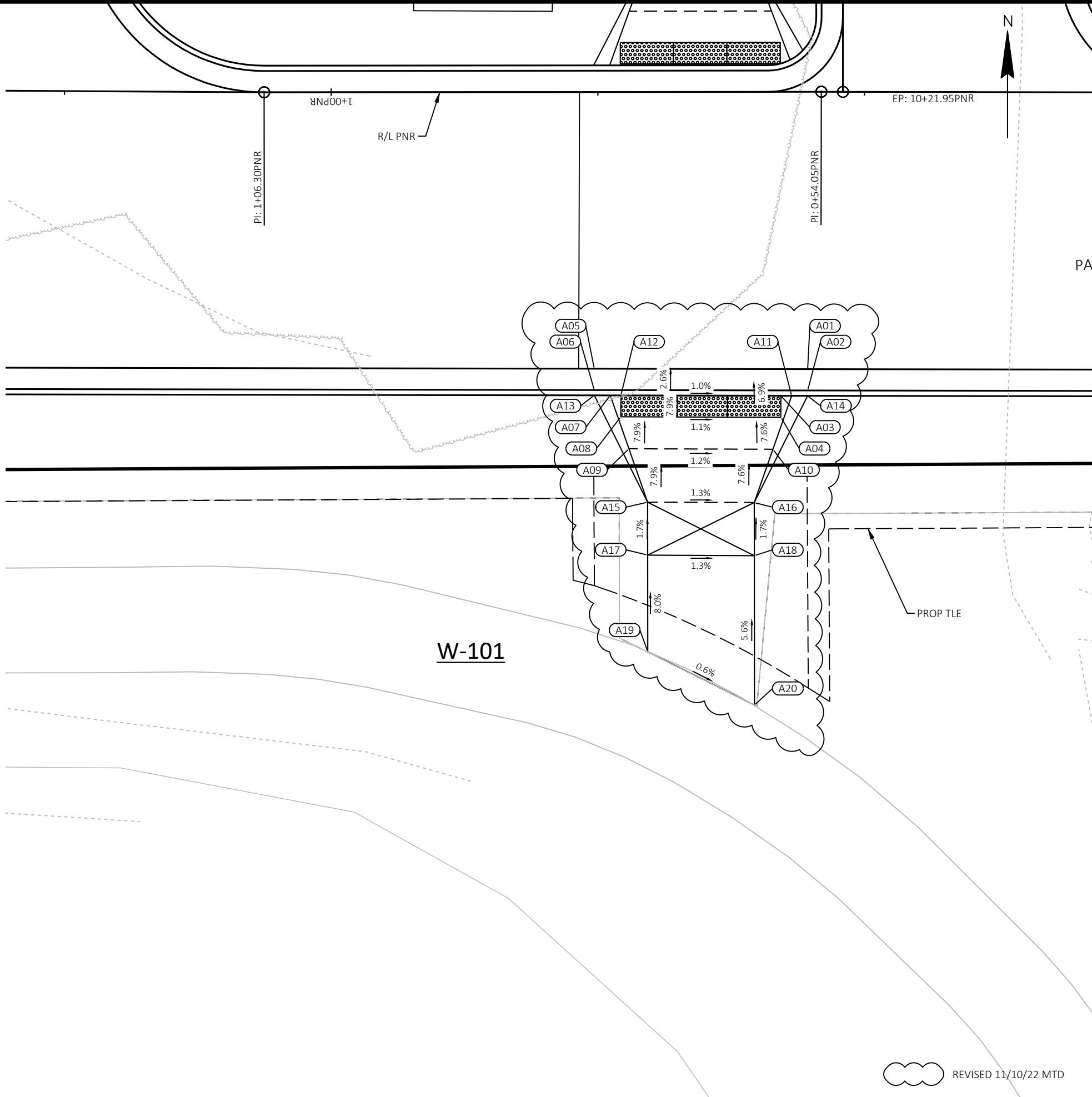
BUS RAPID TRANSIT

CITY OF MADISON

60631225P

CD-16B

A						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
A01	0+55.35	26.00' LT	476474.44	782725.29	1076.61	FLANGE
A02	0+55.36	28.00' LT	476472.44	782725.29	1076.65	FLOW LINE
A03	0+57.86	28.52' LT	476471.93	782722.79	1076.74	BOC
A04	0+57.87	30.52' LT	476469.93	782722.78	1076.89	FOW
A05	0+75.35	25.95' LT	476474.48	782705.29	1076.86	FLANGE
A06	0+75.36	27.94' LT	476472.48	782705.29	1076.89	FLOW LINE
A07	0+73.86	28.45' LT	476471.98	782706.79	1076.91	BOC
A08	0+72.87	30.45' LT	476469.98	782707.78	1077.06	FOW
A09	0+72.11	33.46' LT	476466.97	782708.54	1077.29	BOW
A10	0+58.61	33.51' LT	476466.93	782722.04	1077.13	BOW
A11	0+56.86	28.52' LT	476471.92	782723.79	1076.73	BOC
A12	0+72.86	28.45' LT	476471.98	782707.79	1076.90	BOC
A13	0+75.36	28.44' LT	476471.98	782705.29	1077.40	BOC
A14	0+55.36	28.50' LT	476471.94	782725.29	1077.15	BOC
A15	0+70.37	38.46' LT	476461.97	782710.29	1077.67	BOW
A16	0+60.37	38.51' LT	476461.93	782720.29	1077.53	BOW
A17	0+70.37	43.43' LT	476457.00	782710.29	1077.75	MATCH
A18	0+60.37	43.49' LT	476456.95	782720.29	1077.62	MATCH
A19	0+70.36	52.49' LT	476447.94	782710.31	1078.48	MATCH
A20	0+60.36	57.50' LT	476442.94	782720.31	1078.41	MATCH



60631225P

CITY OF MADISON

CR4-W

CURB RAMP DETAILS: JUNCTION ROAD

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

CONTRACT NO: 60631225C

60631225P

PLAN REVISION 1

REVISION

DATE

11/02/21

MTD

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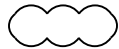
MARK

Designed By: AECOM

Date: 2023-03-14

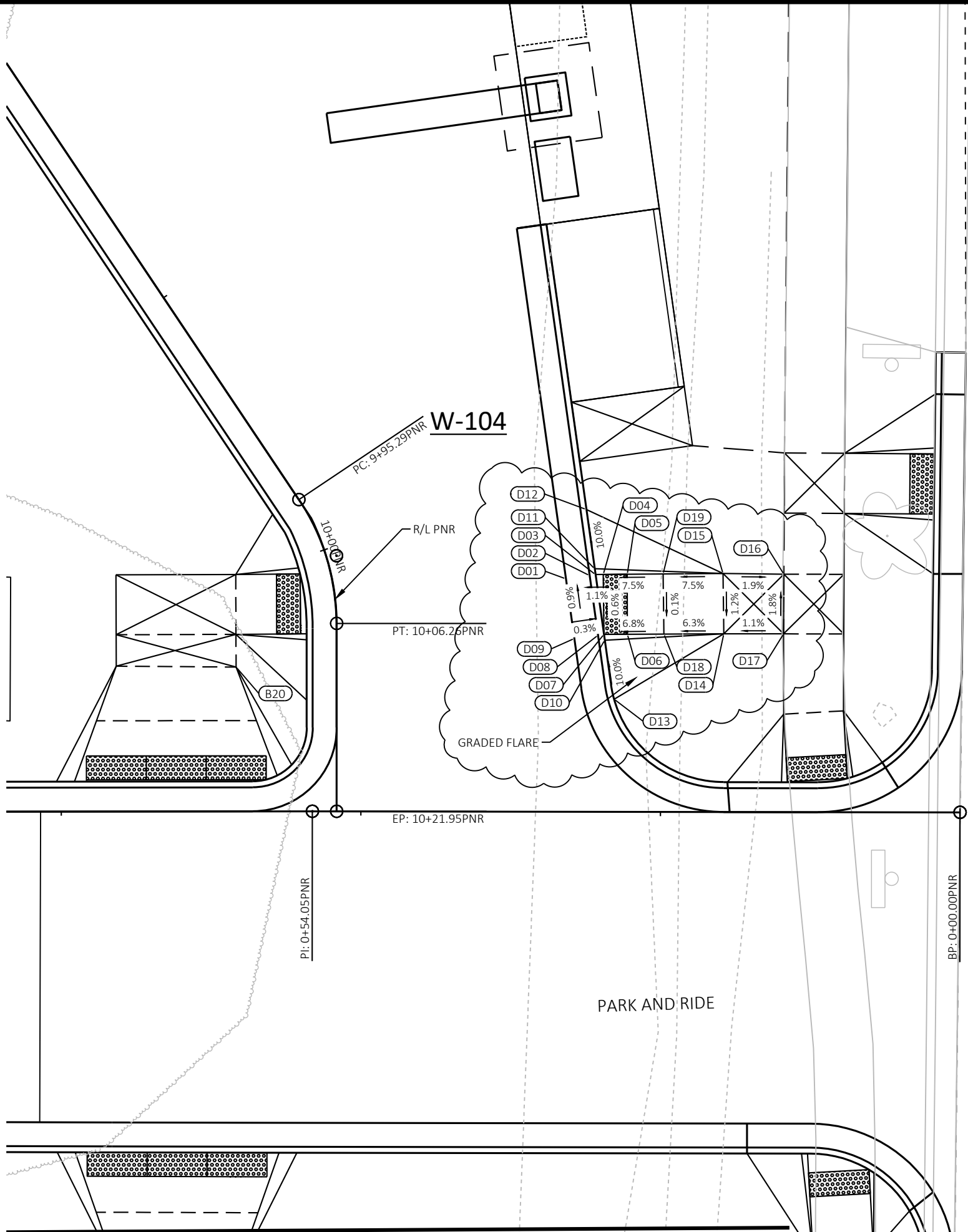
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Scale: 1 IN=10 FT



REVISED 11/10/22 MTD

D						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
D01	10+04.43	19.31' LT	476519.86	782747.72	1075.27	FLANGE
D02	0+30.96	19.74' RT	476520.14	782749.70	1075.27	FLOW LINE
D03	0+30.47	19.81' RT	476520.21	782750.19	1075.28	BOC
D04	0+29.81	19.82' RT	476520.22	782750.85	1075.29	FOW
D05	0+27.81	19.84' RT	476520.24	782752.85	1075.44	FOW
D06	0+27.79	14.83' RT	476515.23	782752.86	1075.45	FOW
D07	0+29.75	14.82' RT	476515.22	782750.90	1075.32	BOC
D08	0+30.24	14.74' RT	476515.15	782750.41	1075.31	FLOW LINE
D09	0+32.22	14.46' RT	476514.87	782748.43	1075.32	FLANGE
D10	0+29.68	14.33' RT	476514.74	782750.97	1075.35	BOC
D11	0+30.54	20.30' RT	476520.70	782750.12	1075.28	BOC
D12	10+01.86	21.96' LT	476525.65	782749.42	1075.73	BOC
D13	0+28.88	9.40' RT	476509.80	782751.75	1075.93	BOC
D14	0+19.74	14.88' RT	476515.27	782760.91	1075.97	BOW
D15	0+19.81	19.92' RT	476520.30	782760.85	1076.03	BOW
D16	0+14.74	19.86' RT	476520.24	782765.92	1075.94	MATCH
D17	0+14.75	14.89' RT	476515.26	782765.90	1076.02	MATCH
D18	0+24.74	14.85' RT	476515.24	782755.91	1075.66	EOW
D19	0+24.81	19.87' RT	476520.26	782755.85	1075.66	EOW



REVISED 11/10/22 MTD



60631225P
CR6-W

CURB RAMP DETAILS: JUNCTION ROAD

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

PLAN REVISION 1

REVISION

DATE: 2023-03-14

Scale: 1 IN=10 FT

MARK

Designed By: AECOM

60631225P

11/10/22

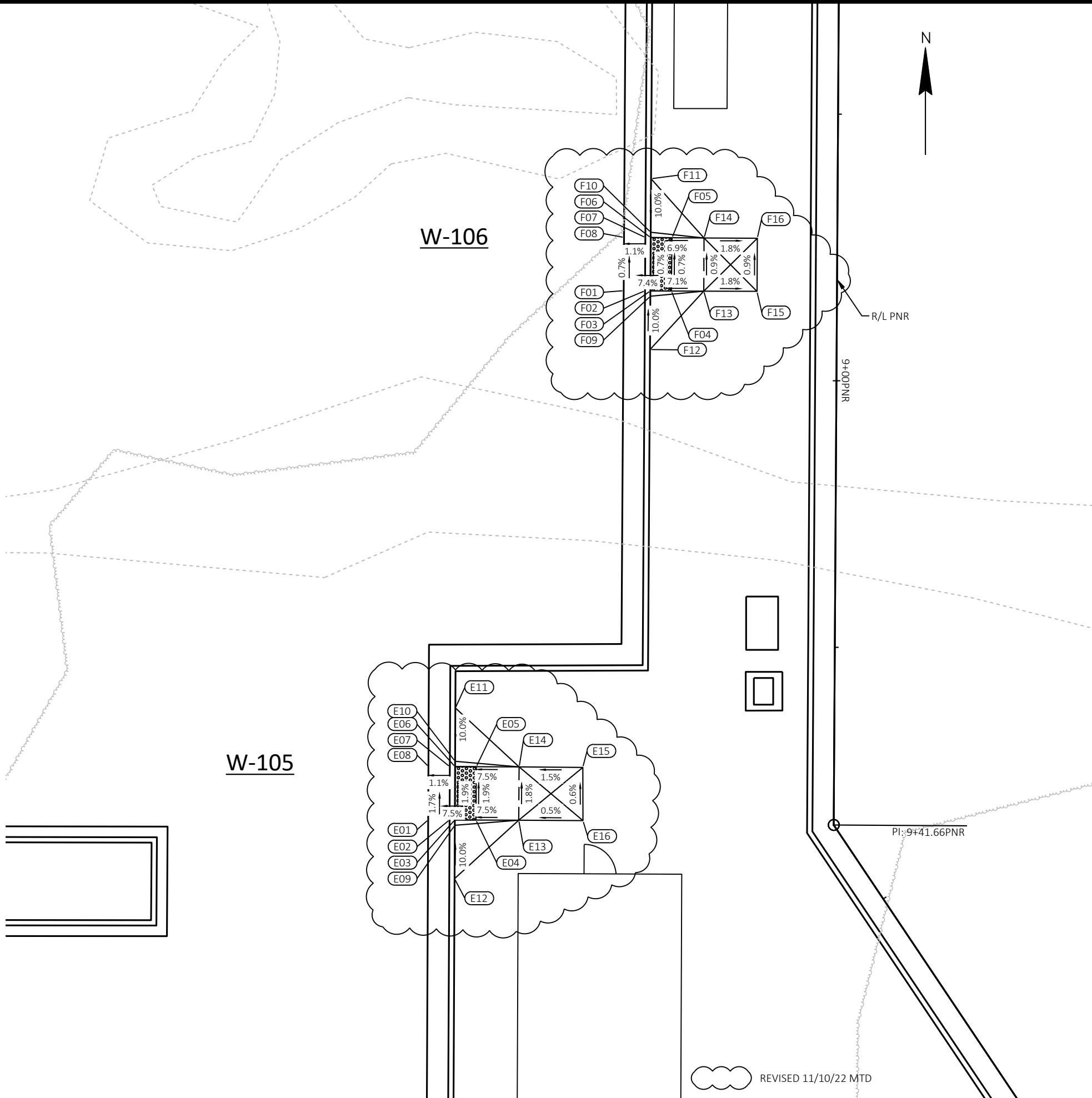
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DATE

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E						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
E01	9+41.41	38.03' RT	476571.52	782657.58	1074.80	FLANGE
E02	9+41.40	36.03' RT	476571.51	782659.58	1074.83	FLOW LINE
E03	9+41.40	35.53' RT	476571.51	782660.08	1074.87	BOC
E04	9+41.40	33.56' RT	476571.50	782662.05	1075.02	FOW
E05	9+36.40	33.55' RT	476576.50	782662.09	1074.93	FOW
E06	9+36.40	35.54' RT	476576.51	782660.10	1074.78	BOC
E07	9+36.40	36.04' RT	476576.51	782659.60	1074.74	FLOW LINE
E08	9+36.41	38.04' RT	476576.52	782657.60	1074.72	FLANGE
E09	9+41.66	35.53' RT	476571.01	782660.07	1074.88	BOC
E10	9+35.90	35.54' RT	476577.01	782660.10	1074.77	BOC
E11	9+30.90	35.54' RT	476582.01	782660.13	1075.14	BOC
E12	9+41.66	35.91' RT	476566.01	782660.05	1075.55	BOC
E13	9+41.39	29.54' RT	476571.49	782666.07	1075.32	BOW
E14	9+36.40	29.54' RT	476576.48	782666.10	1075.23	BOW
E15	9+36.40	23.56' RT	476576.44	782672.07	1075.32	MATCH
E16	9+41.40	23.52' RT	476571.44	782672.09	1075.35	MATCH

F						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
F01	8+91.68	20.00' RT	476621.14	782675.91	1074.39	FLANGE
F02	8+91.68	18.00' RT	476621.13	782677.91	1074.41	FLOW LINE
F03	8+91.68	17.50' RT	476621.12	782678.41	1074.45	BOC
F04	8+91.68	15.53' RT	476621.10	782680.38	1074.59	FOW
F05	8+86.68	15.50' RT	476626.10	782680.44	1074.55	FOW
F06	8+86.68	17.50' RT	476626.12	782678.44	1074.41	BOC
F07	8+86.68	18.00' RT	476626.13	782677.94	1074.38	FLOW LINE
F08	8+86.68	20.00' RT	476626.14	782675.94	1074.35	FLANGE
F09	8+92.18	17.50' RT	476620.62	782678.40	1074.45	BOC
F10	8+86.18	17.50' RT	476626.62	782678.44	1074.41	BOC
F11	8+81.16	17.50' RT	476631.64	782678.47	1074.84	BOC
F12	8+97.18	17.50' RT	476615.62	782678.37	1074.95	BOC
F13	8+91.67	12.49' RT	476621.10	782683.42	1074.80	MATCH
F14	8+86.69	12.50' RT	476626.08	782683.44	1074.76	MATCH
F15	8+91.66	7.51' RT	476621.08	782688.40	1074.71	MATCH
F16	8+86.68	7.51' RT	476626.06	782688.43	1074.67	MATCH



60631225P

CITY OF MADISON

CR7-W

CURB RAMP DETAILS: JUNCTION ROAD

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

60631225C

PLAN REVISION 1

REVISION

DATE

11/10/22

MTD

BR

MARK

Designed By: AECOM

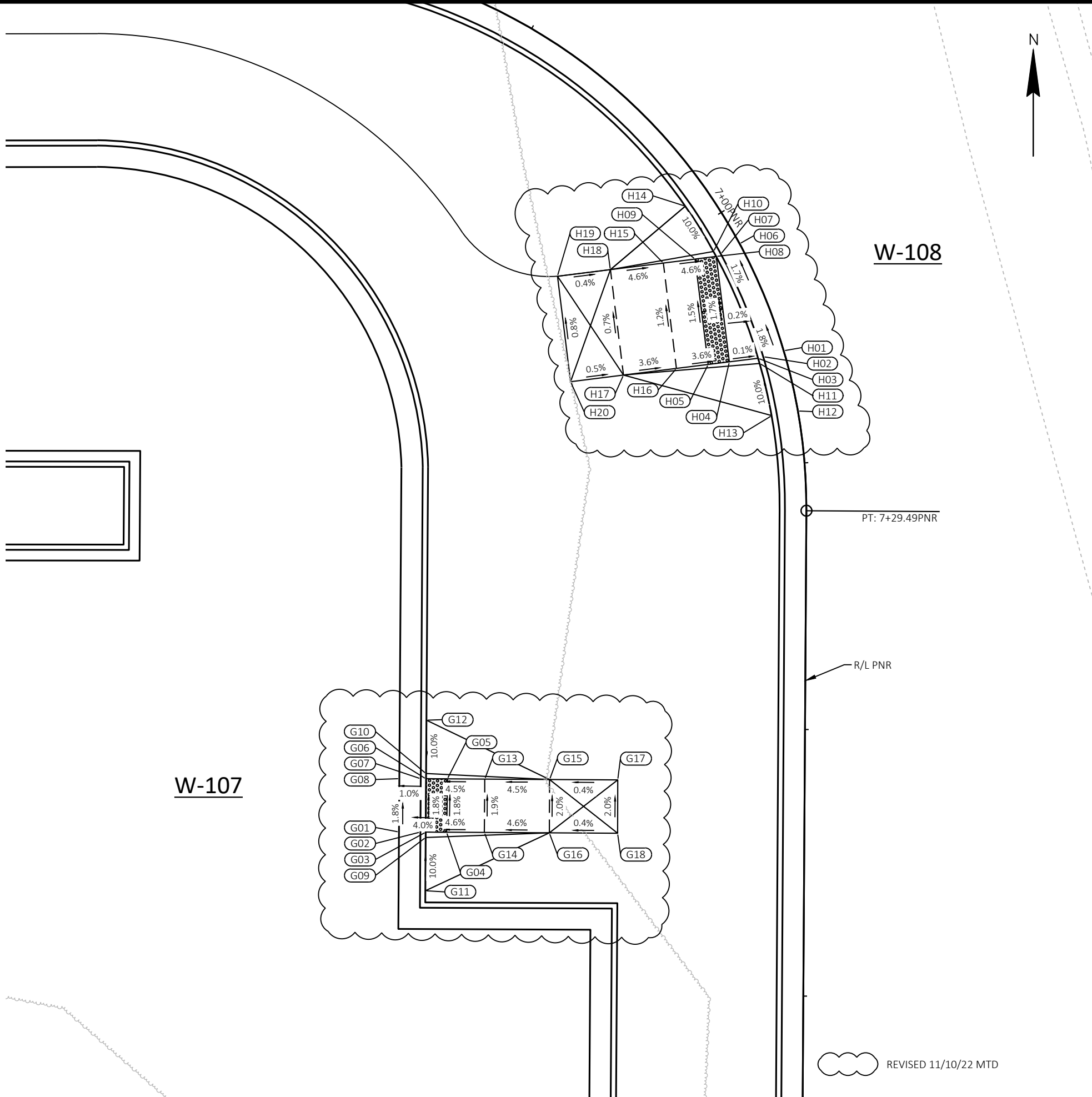
Date: 2023-03-14

60631225P

Scale: 1 IN=10 FT

G						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
G01	7+59.84	38.00' RT	476753.09	782658.72	1072.22	FLANGE
G02	7+59.84	36.02' RT	476753.07	782660.70	1072.24	FLOW LINE
G03	7+59.84	35.50' RT	476753.07	782661.22	1072.26	BOC
G04	7+59.83	33.54' RT	476753.06	782663.18	1072.35	FOW
G05	7+54.84	33.50' RT	476758.06	782663.25	1072.26	FOW
G06	7+54.84	35.50' RT	476758.07	782661.25	1072.17	BOC
G07	7+54.84	36.00' RT	476758.07	782660.75	1072.15	FLOW LINE
G08	7+54.84	38.00' RT	476758.08	782658.76	1072.13	FLANGE
G09	7+60.34	35.50' RT	476752.57	782661.22	1072.27	BOC
G10	7+54.34	35.50' RT	476758.57	782661.25	1072.16	BOC
G11	7+65.34	35.50' RT	476747.57	782661.18	1072.84	BOC
G12	7+49.34	35.50' RT	476763.57	782661.29	1072.54	BOC
G13	7+54.83	30.00' RT	476758.04	782666.76	1072.42	BOW
G14	7+59.83	30.00' RT	476753.04	782666.72	1072.51	BOW
G15	7+54.84	23.92' RT	476758.00	782672.83	1072.69	BOW
G16	7+59.83	23.91' RT	476753.00	782672.81	1072.79	BOW
G17	7+54.83	17.52' RT	476757.96	782679.23	1072.72	MATCH
G18	7+59.83	17.51' RT	476752.96	782679.21	1072.82	MATCH

H						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
H01	7+14.28	0.00'	476798.21	782694.79	1071.63	FLANGE
H02	7+14.28	2.00' RT	476797.65	782692.87	1071.63	FLOW LINE
H03	7+14.28	2.50' RT	476797.50	782692.39	1071.63	BOC
H04	7+13.79	5.18' RT	476797.17	782689.69	1071.63	FOW
H05	7+13.39	7.15' RT	476796.92	782687.71	1071.71	FOW
H06	7+03.41	0.00' RT	476808.24	782690.66	1071.44	FLANGE
H07	7+03.41	2.00' RT	476807.29	782688.90	1071.44	FLOW LINE
H08	7+03.41	2.50' RT	476807.05	782688.46	1071.46	BOC
H09	7+02.62	4.36' RT	476806.80	782686.47	1071.55	FOW
H10	7+02.85	2.50' RT	476807.52	782688.20	1071.45	BOC
H11	7+14.81	2.50' RT	476797.02	782692.53	1071.63	BOC
H12	7+20.08	0.00'	476792.56	782696.12	1071.69	FLANGE
H13	7+20.08	2.50' RT	476792.12	782693.65	1072.24	BOC
H14	6+97.60	2.50' RT	476811.76	782685.56	1071.80	BOC
H15	7+01.31	7.12' RT	476806.43	782683.50	1071.69	BOW
H16	7+12.73	10.10' RT	476796.55	782684.73	1071.81	BOW
H17	7+11.39	15.00' RT	476795.93	782679.77	1071.99	MATCH
H18	6+98.73	11.66' RT	476805.81	782678.53	1071.92	MATCH
H19	6+95.51	16.06' RT	476805.19	782673.57	1071.94	MATCH
H20	7+09.64	19.86' RT	476795.31	782674.81	1072.02	MATCH



60631225P

CITY OF MADISON

CR8-W

CURB RAMP DETAILS: JUNCTION ROAD

BUS RAPID TRANSIT

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

60631225P

PLAN REVISION 1

REVISION

DATE: 2023-03-14

Scale: 1 IN=10 FT

MARK

Designed By: AECOM

60631225P

11/10/22

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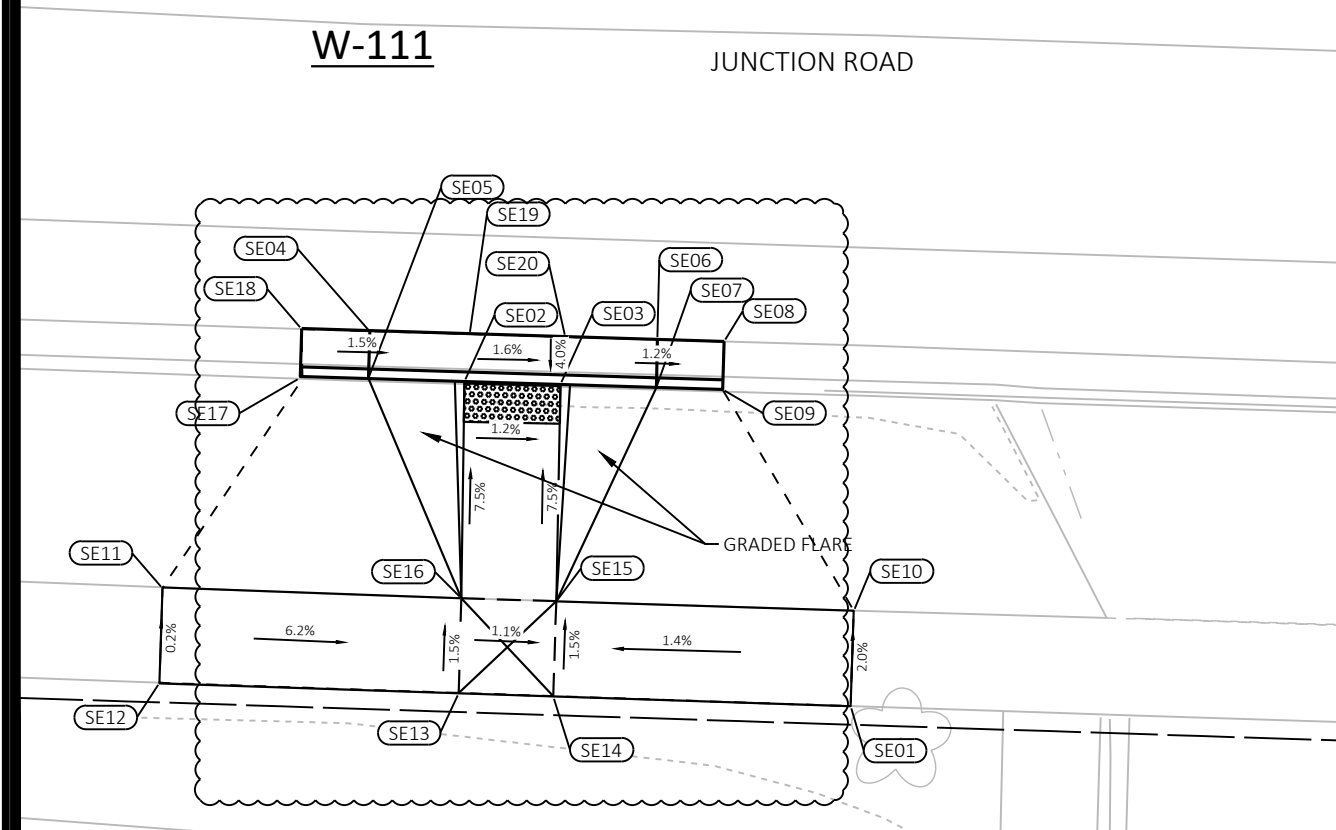
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LAYOUT NAME: GH

LAST PLOT DATE: 2023-03-14



Junction- SM						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
SM01	2+71.70	29.81' LT	476451.18	782818.11	1076.12	MATCH
SM02	2+37.34	29.80' LT	476416.82	782817.77	1076.49	MATCH
SM03	2+72.21	0.79' LT	476451.40	782847.13	1075.84	MATCH
SM04	2+38.11	0.82' LT	476417.30	782846.76	1076.02	MATCH
SM05	2+56.38	26.48' LT	476435.83	782821.29	1076.20	FLANGE
SM06	2+53.37	27.40' LT	476432.83	782820.33	1076.26	FLANGE
SM07	2+56.40	23.82' LT	476435.83	782823.94	1076.12	BOC
SM08	2+53.39	24.85' LT	476432.83	782822.89	1076.20	BOC
SM09	2+62.41	24.11' LT	476441.83	782823.71	1076.03	FLANGE
SM10	2+62.43	21.35' LT	476441.83	782826.48	1075.99	BOC
SM11	2+62.53	12.41' LT	476441.84	782835.42	1075.79	BOC
SM12	2+56.55	9.20' LT	476435.83	782838.57	1075.84	BOC
SM13	2+62.55	9.52' LT	476441.83	782838.30	1075.81	FLANGE
SM14	2+56.57	6.44' LT	476435.82	782841.32	1075.90	FLANGE
SM15	2+53.56	7.85' LT	476432.82	782839.88	1075.87	BOC
SM16	2+53.58	5.16' LT	476432.82	782842.58	1075.93	FLANGE
SM17	2+64.82	17.06' LT	476444.17	782830.79	1076.11	CENTER
SM18	2+65.76	22.48' LT	476445.17	782825.38	1075.93	FLANGE
SM19	2+66.31	11.82' LT	476445.61	782836.04	1075.76	FLANGE
SM20	2+56.43	21.33' LT	476435.83	782826.43	1076.10	FOW
SM21	2+62.45	19.39' LT	476441.83	782828.43	1075.90	BOW
SM22	2+56.45	19.33' LT	476435.83	782828.43	1076.00	BOW
SM23	2+56.52	12.34' LT	476435.83	782835.42	1075.86	FOW
SM24	2+56.50	14.34' LT	476435.83	782833.42	1075.94	BOW
SM25	2+62.50	14.40' LT	476441.83	782833.42	1075.83	BOW

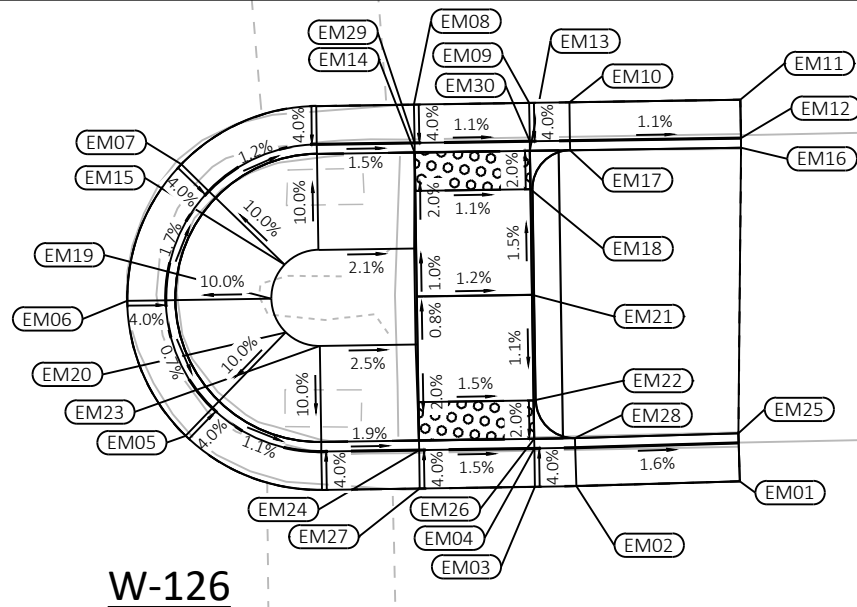
Junction- SE						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
SE01	2+78.16	56.84' RT	476456.77	782904.82	1076.51	MATCH
SE02	2+57.55	40.55' RT	476436.32	782888.32	1075.43	BOC
SE03	2+62.55	40.55' RT	476441.32	782888.37	1075.37	BOC
SE04	2+52.54	38.09' RT	476431.34	782885.81	1075.54	FLANGE
SE05	2+52.55	40.54' RT	476431.32	782888.26	1075.96	BOC
SE06	2+67.53	38.06' RT	476446.33	782885.93	1075.37	FLANGE
SE07	2+67.55	40.55' RT	476446.32	782888.43	1075.79	BOC
SE08	2+71.00	38.06' RT	476449.79	782885.96	1075.33	MATCH
SE09	2+71.00	40.55' RT	476449.77	782888.46	1075.75	MATCH
SE10	2+78.18	51.88' RT	476456.83	782899.86	1076.41	MATCH
SE11	2+42.16	51.79' RT	476420.82	782899.41	1077.27	MATCH
SE12	2+42.15	56.71' RT	476420.76	782904.33	1077.28	MATCH
SE13	2+57.74	56.79' RT	476436.35	782904.56	1076.35	BOW
SE14	2+62.66	56.80' RT	476441.27	782904.62	1076.29	BOW
SE15	2+62.68	51.85' RT	476441.34	782899.67	1076.21	FOW
SE16	2+57.73	51.84' RT	476436.39	782899.61	1076.27	FOW
SE17	2+48.97	40.63' RT	476427.74	782888.32	1076.00	MATCH
SE18	2+49.00	38.08' RT	476427.79	782885.76	1075.57	MATCH
SE19	2+57.74	38.08' RT	476436.54	782885.85	1075.48	FLANGE
SE20	2+62.73	38.07' RT	476441.53	782885.89	1075.43	FLANGE

REVISÉ 11/10/22 MTD



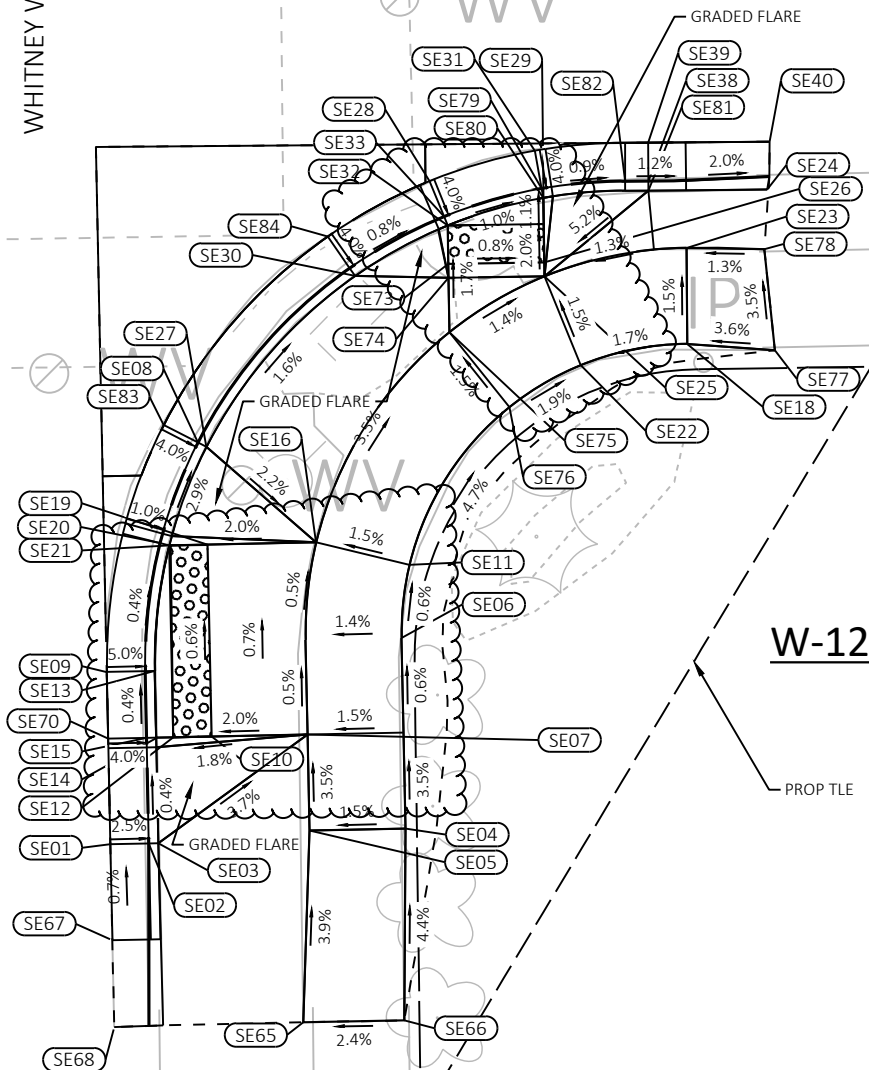
R/L WHITNEY WAY

EM						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
EM01	59+71.68WW	76.82' RT	480404.54	798733.02	971.64	MATCH
EM02	59+71.48WW	68.31' RT	480404.29	798724.51	971.77	EOP
EM03	59+71.45WW	66.15' RT	480404.25	798722.35	971.81	EOP
EM04	59+73.45WW	66.13' RT	480406.25	798722.32	971.73	EOP
EM05	59+74.20WW	47.96' RT	480406.91	798704.15	972.06	EOP
EM06	59+81.24WW	44.96' RT	480413.93	798701.11	972.10	EOP
EM07	59+88.34WW	47.82' RT	480421.05	798703.93	972.00	EOP
EM08	59+91.39WW	59.95' RT	480424.16	798716.05	971.85	EOP
EM09	59+91.45WW	65.95' RT	480424.25	798722.05	971.78	EOP
EM10	59+91.47WW	68.05' RT	480424.28	798724.15	971.76	EOP
EM11	59+91.56WW	76.96' RT	480424.42	798733.06	971.66	MATCH
EM12	59+89.56WW	76.98' RT	480422.42	798733.09	971.58	MATCH
EM13	59+88.95WW	65.98' RT	480421.75	798722.09	971.72	BOC
EM14	59+88.89WW	59.98' RT	480421.66	798716.09	971.79	BOC
EM15	59+83.09WW	53.17' RT	480415.83	798709.32	972.47	FOW
EM16	59+89.06WW	76.98' RT	480421.92	798733.09	972.08	FOW
EM17	59+88.97WW	68.08' RT	480421.78	798724.19	972.18	FOW
EM18	59+86.95WW	66.00' RT	480419.75	798722.12	971.76	EOW
EM19	59+81.32WW	52.46' RT	480414.05	798708.61	972.57	EOW
EM20	59+79.55WW	53.21' RT	480412.29	798709.37	972.53	EOW
EM21	59+81.45WW	66.05' RT	480414.25	798722.20	971.85	EOW
EM22	59+75.95WW	66.11' RT	480408.75	798722.29	971.79	FOW
EM23	59+78.84WW	54.98' RT	480411.58	798711.15	972.46	FOW
EM24	59+73.39WW	60.13' RT	480406.16	798716.32	971.82	BOC
EM25	59+74.18WW	76.77' RT	480407.04	798732.95	972.06	FOW
EM26	59+73.95WW	66.13' RT	480406.75	798722.32	971.75	BOC
EM27	59+71.39WW	60.15' RT	480404.16	798716.35	971.90	FL
EM28	59+73.98WW	68.25' RT	480406.79	798724.44	972.19	FL
EM29	59+89.39WW	59.97' RT	480422.16	798716.08	971.77	FL
EM30	59+89.45WW	65.97' RT	480422.25	798722.08	971.70	FL
SE						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
SE78	59+47.83WW	77.35' RT	480380.69	798733.68	971.78	MATCH
SE79	59+51.05WW	65.77' RT	480383.85	798722.08	971.54	FL
SE80	59+50.56WW	65.86' RT	480383.36	798722.17	971.56	BOC
SE81	59+50.91WW	71.33' RT	480383.74	798727.64	971.99	BOC
SE82	59+51.42WW	70.12' RT	480384.24	798726.43	971.51	FL
SE83	59+38.84WW	46.02' RT	480371.54	798702.39	971.92	EOP
SE84	59+48.60WW	54.61' RT	480381.35	798710.93	971.73	EOP



WHITNEY WAY

W-126



W-127

REVISED 11/10/2022 MTD

SE						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
SE01	59+17.01WW	43.13' RT	480349.70	798699.62	972.13	HIGH POINT
SE02	59+17.05WW	45.13' RT	480349.74	798701.62	972.08	MATCH
SE03	59+17.05WW	45.63' RT	480349.75	798702.12	972.58	BOC
SE04	59+17.75WW	58.51' RT	480350.52	798714.99	972.47	MATCH
SE05	59+17.68WW	53.51' RT	480350.41	798709.99	972.40	MATCH
SE06	59+27.68WW	58.35' RT	480360.45	798714.78	972.27	BOW
SE07	59+22.68WW	53.43' RT	480355.41	798709.89	972.22	FOW
SE08	59+37.92WW	47.80' RT	480370.63	798704.17	971.84	BOC
SE09	59+25.99WW	42.99' RT	480358.67	798699.43	972.14	EOP
SE10	59+22.60WW	48.43' RT	480355.31	798704.89	972.12	FOW
SE11	59+31.49WW	58.78' RT	480364.26	798715.19	972.25	BOW
SE12	59+22.57WW	46.43' RT	480355.27	798702.89	972.08	FOW
SE13	59+26.03WW	45.49' RT	480358.72	798701.93	972.04	BOC
SE14	59+22.55WW	45.59' RT	480355.25	798702.05	972.07	BOC
SE15	59+22.54WW	45.05' RT	480355.24	798701.50	972.05	FL
SE16	59+32.69WW	53.93' RT	480365.43	798710.33	972.17	FOW
SE18	59+42.92WW	73.31' RT	480375.76	798729.66	971.80	MATCH
SE19	59+32.60WW	48.28' RT	480365.31	798704.68	972.06	FOW
SE20	59+32.69WW	45.79' RT	480365.39	798702.19	972.01	FL
SE21	59+32.57WW	46.28' RT	480365.27	798702.68	972.02	BOC
SE22	59+41.84WW	67.76' RT	480374.65	798724.12	971.71	EOW
SE23	59+47.92WW	73.30' RT	480380.76	798729.62	971.73	MATCH
SE24	59+50.94WW	77.52' RT	480383.80	798733.83	971.85	MATCH
SE25	59+46.48WW	65.90' RT	480379.28	798722.23	971.63	FOW
SE26	59+47.20WW	65.89' RT	480380.00	798722.22	971.62	FOW
SE27	59+37.69WW	48.24' RT	480370.40	798704.62	972.34	EOW
SE28	59+51.47WW	59.94' RT	480384.24	798716.24	971.68	EOP
SE29	59+49.20WW	65.87' RT	480382.00	798722.19	971.58	FOW
SE30	59+46.55WW	56.04' RT	480379.30	798712.37	972.15	FOW
SE31	59+53.02WW	65.43' RT	480385.82	798721.73	971.62	EOP
SE32	59+49.15WW	60.87' RT	480381.92	798717.19	971.62	BOC
SE33	59+49.61WW	60.68' RT	480382.39	798717.00	971.60	FL
SE38	59+51.41WW	71.33' RT	480384.24	798727.64	971.49	FL
SE39	59+53.41WW	71.33' RT	480386.24	798727.63	971.57	EOP
SE40	59+53.43WW	77.65' RT	480386.29	798733.95	971.50	MATCH
SE65	59+07.69WW	53.13' RT	480340.43	798709.66	972.78	MATCH
SE66	59+07.76WW	58.40' RT	480340.52	798714.93	972.91	MATCH
SE67	59+12.01WW	43.21' RT	480344.70	798699.72	972.12	MATCH
SE68	59+07.49WW	43.28' RT	480340.17	798699.82	972.11	MATCH
SE70	59+22.51WW	43.05' RT	480355.20	798699.50	972.13	EOP
SE73	59+47.15WW	60.89' RT	480379.92	798717.22	971.66	EOW
SE74	59+46.43WW	60.90' RT	480379.20	798717.23	971.67	EOW
SE75	59+43.59WW	60.92' RT	480376.36	798717.27	971.71	FOW
SE76	59+39.67WW	64.03' RT	480372.46	798720.40	971.79	BOW
SE77	59+42.57WW	77.87' RT	480375.43	798734.22	971.97	MATCH

60631225P

CITY OF MADISON, DANE COUNTY, WI

CURB RAMP DETAILS: REGENT STREET

BUS RAPID TRANSIT

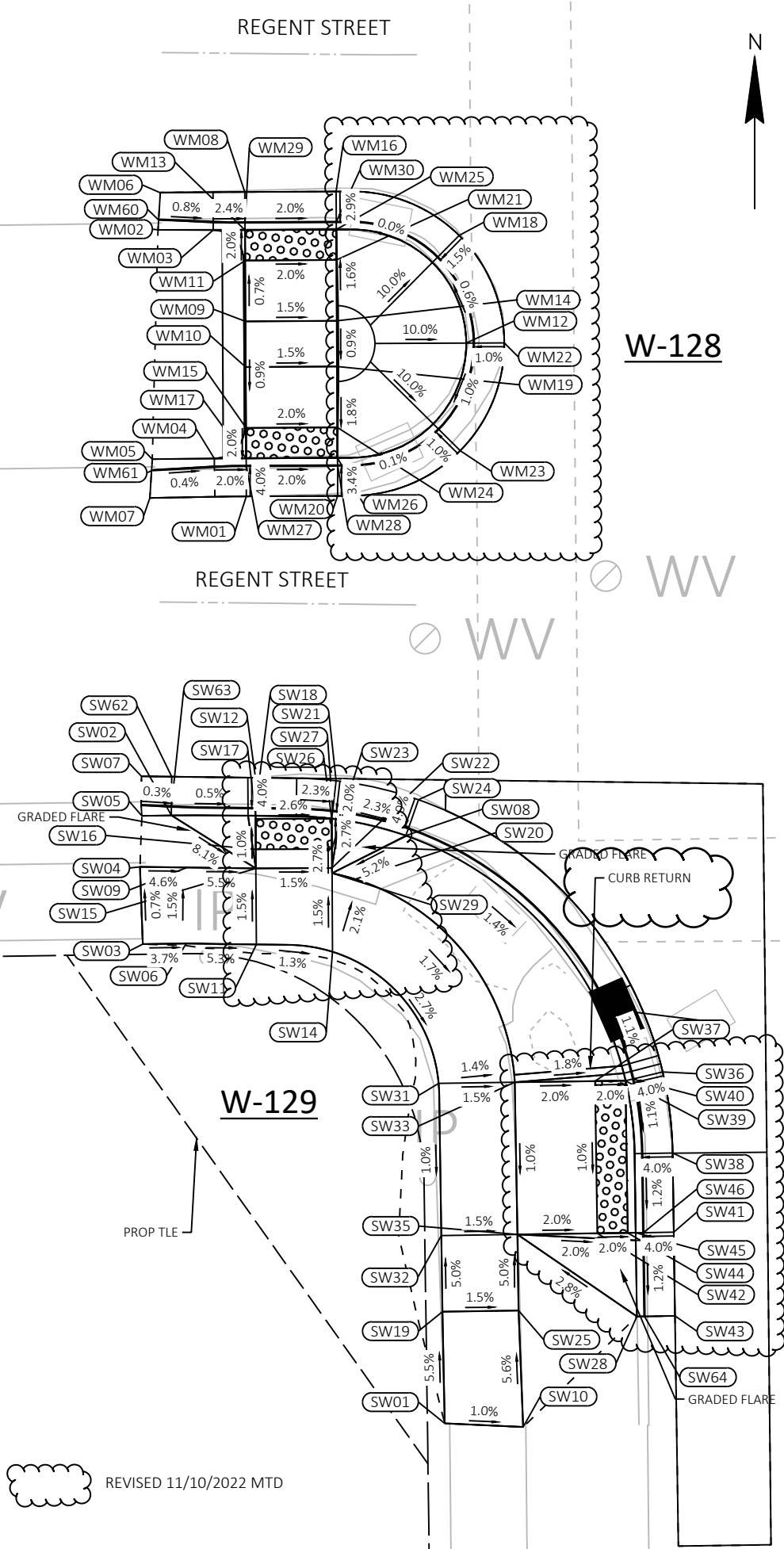
CITY OF MADISON



60631225P

CR20-W

SW						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
SW01	59+09.37WW	59.69' LT	480341.53	798596.83	973.44	MATCH
SW02	59+49.41WW	77.45' LT	480381.47	798578.86	973.75	BOC
SW03	59+40.95WW	79.37' LT	480373.01	798576.99	973.64	MATCH
SW04	59+46.03WW	79.53' LT	480378.08	798576.81	973.61	MATCH
SW05	59+49.39WW	79.38' LT	480381.44	798576.93	973.60	MATCH
SW06	59+40.98WW	76.52' LT	480373.04	798579.85	973.54	EOW
SW07	59+51.98WW	79.40' LT	480384.04	798576.91	973.48	MATCH
SW08	59+48.00WW	62.05' LT	480380.14	798594.27	973.46	BOC
SW09	59+45.98WW	76.43' LT	480378.04	798579.91	973.46	EOW
SW10	59+09.10WW	54.54' LT	480341.28	798601.99	973.39	MATCH
SW11	59+40.90WW	71.91' LT	480372.99	798584.45	973.29	BOW
SW12	59+51.86WW	71.91' LT	480383.95	798584.39	973.24	EOP
SW14	59+40.39WW	66.91' LT	480372.51	798589.45	973.23	BOW
SW15	59+45.90WW	71.91' LT	480377.99	798584.42	973.22	FOW
SW16	59+47.15WW	71.91' LT	480379.24	798584.42	973.21	FOW
SW17	59+49.35WW	71.91' LT	480381.45	798584.41	973.18	FOW
SW18	59+49.85WW	71.91' LT	480381.95	798584.40	973.16	FL
SW19	59+16.71WW	59.81' LT	480348.86	798596.68	973.04	EOW
SW20	59+45.16WW	65.39' LT	480377.28	798590.94	973.12	EOW
SW21	59+51.63WW	66.61' LT	480383.75	798589.70	973.11	EOP
SW22	59+45.90WW	66.91' LT	480378.02	798589.42	973.14	FOW
SW23	59+47.15WW	66.91' LT	480379.26	798589.42	973.11	FOW
SW24	59+50.35WW	61.21' LT	480382.50	798595.10	973.04	EOP
SW25	59+16.75WW	54.81' LT	480348.93	798601.68	972.96	EOW
SW26	59+49.15WW	66.91' LT	480381.26	798589.41	973.05	BOC
SW27	59+49.64WW	66.85' LT	480381.76	798589.47	973.07	FL
SW28	59+16.33WW	47.03' LT	480348.55	798609.46	972.98	BOC
SW29	59+45.55WW	66.91' LT	480377.67	798589.43	973.15	EOP
SW31	59+31.70WW	59.98' LT	480363.86	798596.43	972.89	BOW
SW32	59+21.71WW	59.86' LT	480353.86	798596.61	972.79	BOW
SW33	59+31.75WW	54.97' LT	480363.93	798601.44	972.82	FOW
SW35	59+21.75WW	54.86' LT	480353.93	798601.60	972.71	FOW
SW36	59+32.38WW	45.26' LT	480364.61	798611.15	972.74	EOP
SW37	59+31.80WW	49.69' LT	480364.01	798606.71	972.71	FOW
SW38	59+27.05WW	44.63' LT	480359.29	798611.80	972.69	EOP
SW39	59+31.82WW	47.72' LT	480364.04	798608.69	972.67	BOC
SW40	59+31.93WW	47.21' LT	480364.15	798609.20	972.66	FL
SW41	59+21.85WW	44.58' LT	480354.08	798611.88	972.63	EOP
SW42	59+21.80WW	49.60' LT	480354.01	798606.86	972.61	FOW
SW43	59+16.35WW	44.53' LT	480348.58	798611.96	972.56	EOP
SW44	59+21.82WW	47.60' LT	480354.04	798608.86	972.57	FOW
SW45	59+21.83WW	47.08' LT	480354.05	798609.38	972.57	BOC
SW46	59+21.83WW	46.58' LT	480354.06	798609.88	972.55	FL
SW62	59+51.95WW	77.41' LT	480384.01	798578.89	973.41	EOP
SW63	59+49.95WW	77.44' LT	480382.01	798578.87	973.20	FL



WM						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
WM01	59+70.34WW	72.41' LT	480402.43	798583.80	973.72	EOP
WM02	59+87.88WW	78.13' LT	480419.93	798577.99	974.20	MATCH
WM03	59+87.85WW	74.49' LT	480419.92	798581.63	974.22	BOC
WM04	59+72.84WW	74.50' LT	480404.91	798581.69	974.17	BOC
WM05	59+72.82WW	78.58' LT	480404.88	798577.62	974.12	MATCH
WM06	59+90.31WW	77.96' LT	480422.37	798578.15	973.88	MATCH
WM07	59+70.26WW	78.75' LT	480402.32	798577.46	973.87	MATCH
WM08	59+90.34WW	72.41' LT	480422.43	798583.70	973.75	EOP
WM09	59+81.84WW	72.41' LT	480413.93	798583.74	973.76	EOW
WM10	59+78.84WW	72.41' LT	480410.93	798583.75	973.73	EOW
WM11	59+85.84WW	72.41' LT	480417.93	798583.72	973.73	FOW
WM12	59+80.34WW	57.91' LT	480412.50	798598.25	973.58	BOC
WM13	59+87.84WW	72.41' LT	480419.93	798583.71	973.69	FOW
WM14	59+81.84WW	66.41' LT	480413.96	798589.74	973.67	EOW
WM15	59+74.84WW	72.41' LT	480406.93	798583.78	973.70	FOW
WM16	59+90.34WW	66.41' LT	480422.46	798589.70	973.61	EOP
WM17	59+72.84WW	72.41' LT	480404.93	798583.79	973.66	FOW
WM18	59+87.41WW	58.34' LT	480419.57	798597.78	973.58	EOP
WM19	59+78.84WW	66.41' LT	480410.96	798589.75	973.64	EOW
WM20	59+70.34WW	66.41' LT	480402.46	798589.80	973.58	EOP
WM21	59+85.84WW	66.41' LT	480417.96	798589.72	973.61	FOW
WM22	59+80.34WW	55.41' LT	480412.52	798600.75	973.61	EOP
WM23	59+73.27WW	58.34' LT	480405.43	798597.85	973.54	EOP
WM24	59+74.84WW	66.41' LT	480406.96	798589.78	973.58	FOW
WM25	59+87.84WW	66.41' LT	480419.96	798589.71	973.57	FOW
WM26	59+72.84WW	66.41' LT	480404.96	798589.79	973.54	FOW
WM27	59+72.34WW	72.41' LT	480404.43	798583.79	973.64	FL
WM28	59+72.35WW	66.41' LT	480404.46	798589.79	973.52	FL
WM29	59+88.34WW	72.41' LT	480420.43	798583.71	973.67	FL
WM30	59+88.34WW	66.41' LT	480420.46	798589.71	973.55	FL
WM60	59+88.55WW	78.10' LT	480420.61	798578.01	973.75	MATCH
WM61	59+72.09WW	78.55' LT	480404.15	798577.65	973.69	MATCH
SW						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
SW64	59+16.33WW	46.53' LT	480348.56	798609.96	972.48	MATCH

R/L WHITNEY WAY

+00

60631225P

CITY OF MADISON

CR21-W

CURB RAMP DETAILS: REGENT STREET

BUS RAPID TRANSIT

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

11/10/22 MTD

DATE

BR

PLAN REVISION 1

REVISION

MARK

Designed By: AECOM

Date: 2023-03-14

60631225P

Scale: 1 IN=10 FT

CITY OF MADISON

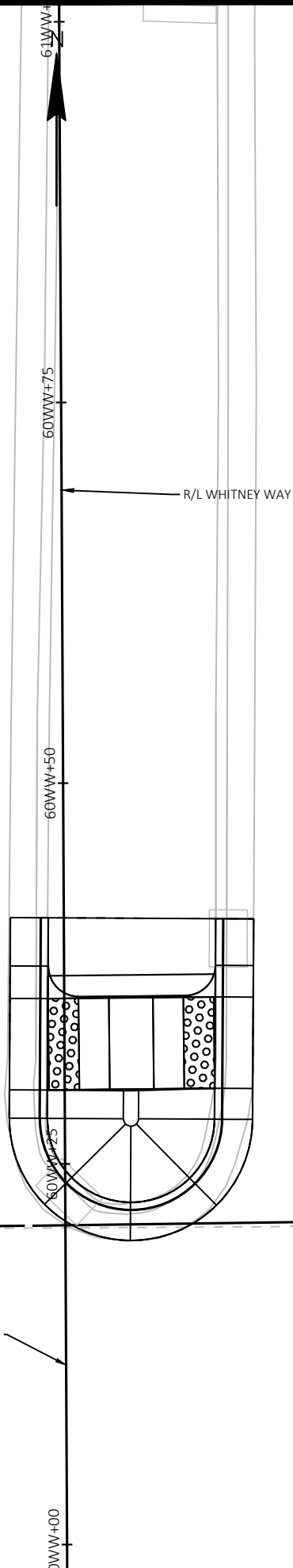
60631225P

CR21-W

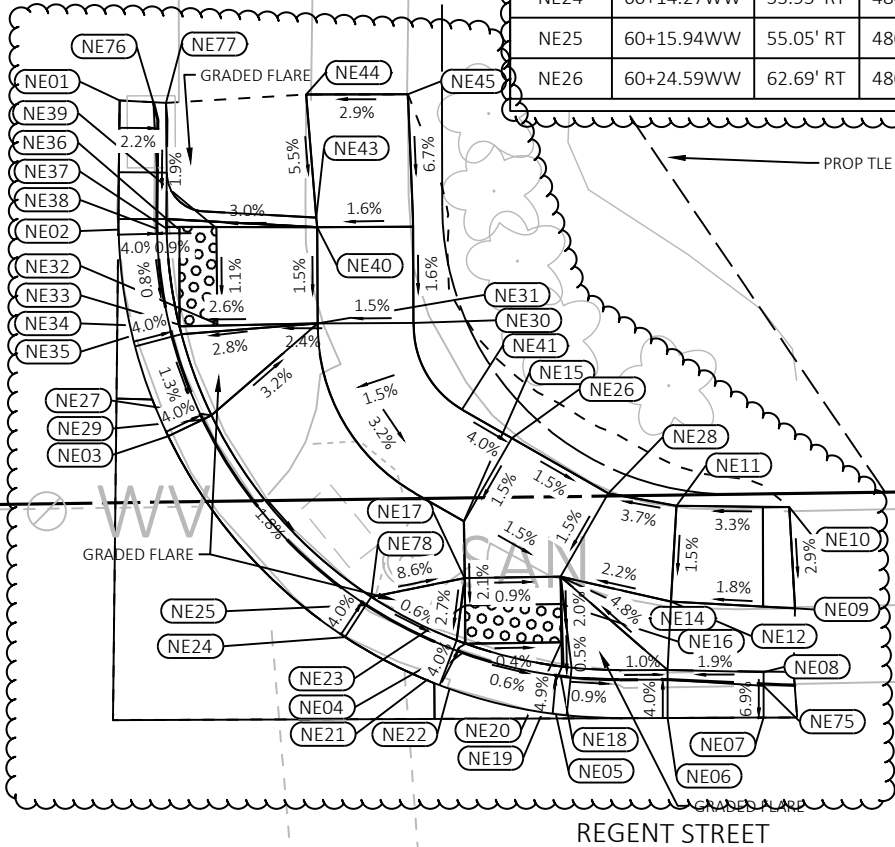
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LAST PLOT DATE: 2023-03-14

LAYOUT NAME - SW



WHITNEY WAY
SS
W-130



NE						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
NE01	60+42.29WW	42.35' RT	480474.97	798698.19	972.30	MATCH
NE02	60+35.55WW	42.26' RT	480468.23	798698.13	972.23	EOP
NE03	60+24.78WW	44.79' RT	480457.47	798700.72	972.13	EOP
NE04	60+13.89WW	60.23' RT	480446.66	798716.22	971.80	EOP
NE05	60+10.19WW	64.92' RT	480442.99	798720.93	971.85	EOP
NE06	60+09.97WW	70.73' RT	480442.80	798726.74	971.78	EOP
NE07	60+09.97WW	75.73' RT	480442.82	798731.74	971.66	MATCH
NE08	60+12.34WW	75.75' RT	480445.19	798731.74	972.01	MATCH
NE09	60+15.66WW	77.40' RT	480448.52	798733.37	972.10	MATCH
NE10	60+20.93WW	77.13' RT	480453.79	798733.07	972.25	MATCH
NE11	60+21.02WW	71.25' RT	480453.85	798727.19	972.05	EOW
NE12	60+16.03WW	70.94' RT	480448.86	798726.92	971.98	EOW
NE14	60+17.36WW	65.20' RT	480450.16	798721.16	971.85	EOW
NE15	60+20.27WW	60.17' RT	480453.04	798716.12	971.93	FOW
NE16	60+15.94WW	65.21' RT	480448.74	798721.19	971.82	FOW
NE17	60+17.31WW	60.20' RT	480450.08	798716.16	971.89	FOW
NE18	60+12.18WW	65.18' RT	480444.97	798721.17	971.76	BOC
NE19	60+12.67WW	65.24' RT	480445.47	798721.23	971.77	FL
NE20	60+13.94WW	65.23' RT	480446.74	798721.22	971.78	EOP
NE21	60+13.42WW	60.06' RT	480446.19	798716.05	971.79	EOP
NE22	60+11.54WW	59.38' RT	480444.31	798715.37	971.87	FL
NE23	60+15.89WW	60.21' RT	480448.66	798716.19	971.85	BOC
NE24	60+14.27WW	53.95' RT	480447.01	798709.94	971.90	FOW
NE25	60+15.94WW	55.05' RT	480448.68	798711.03	971.82	EOW
NE26	60+24.59WW	62.69' RT	480457.37	798718.62	972.01	EOW

NE						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
NE27	60+25.86WW	47.05' RT	480458.56	798702.97	972.55	EOW
NE28	60+21.68WW	67.71' RT	480454.49	798723.65	971.92	BOW
NE29	60+25.64WW	46.60' RT	480458.34	798702.52	972.05	BOC
NE30	60+30.62WW	57.61' RT	480463.38	798713.50	972.39	BOW
NE31	60+30.62WW	52.61' RT	480463.35	798708.50	972.31	FOW
NE32	60+30.61WW	47.38' RT	480463.31	798703.28	972.18	FOW
NE33	60+30.60WW	45.38' RT	480463.29	798701.28	972.12	BOC
NE34	60+30.48WW	44.90' RT	480463.17	798700.80	972.11	FL
NE35	60+30.02WW	42.95' RT	480462.71	798698.85	972.19	EOP
NE36	60+35.60WW	45.36' RT	480468.29	798701.23	972.17	FOW
NE37	60+35.59WW	44.76' RT	480468.28	798700.63	972.17	BOC
NE38	60+35.58WW	44.26' RT	480468.27	798700.13	972.15	FL
NE39	60+35.61WW	47.36' RT	480468.31	798703.23	972.23	FOW
NE40	60+35.63WW	52.61' RT	480468.36	798708.48	972.39	FOW
NE41	60+26.09WW	60.10' RT	480458.86	798716.02	972.14	BOW
NE43	60+36.14WW	52.57' RT	480468.87	798708.44	972.42	EOW
NE44	60+42.54WW	52.07' RT	480475.27	798707.91	972.77	MATCH
NE45	60+42.52WW	57.38' RT	480475.28	798713.21	972.93	MATCH
NE75	60+11.62WW	75.74' RT	480444.47	798731.74	971.59	MATCH
NE76	60+42.16WW	44.12' RT	480474.85	798699.96	972.06	MATCH
NE77	60+42.15WW	44.77' RT	480474.84	798700.60	972.65	MATCH
NE78	60+16.35WW	55.33' RT	480449.10	798711.30	972.32	BOC

REVISED 11/10/2022 MTD

CURB RAMP DETAILS: REGENT STREET

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

CR22-W

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

PLAN REVISION 1

REVISION

11/10/22 MTD

DATE

BR

Scale: 1 IN=10 FT

Designed By: AECOM

Date: 2023-03-14

60631225P

WHITNEY WAY



60°W+75 60°W+00

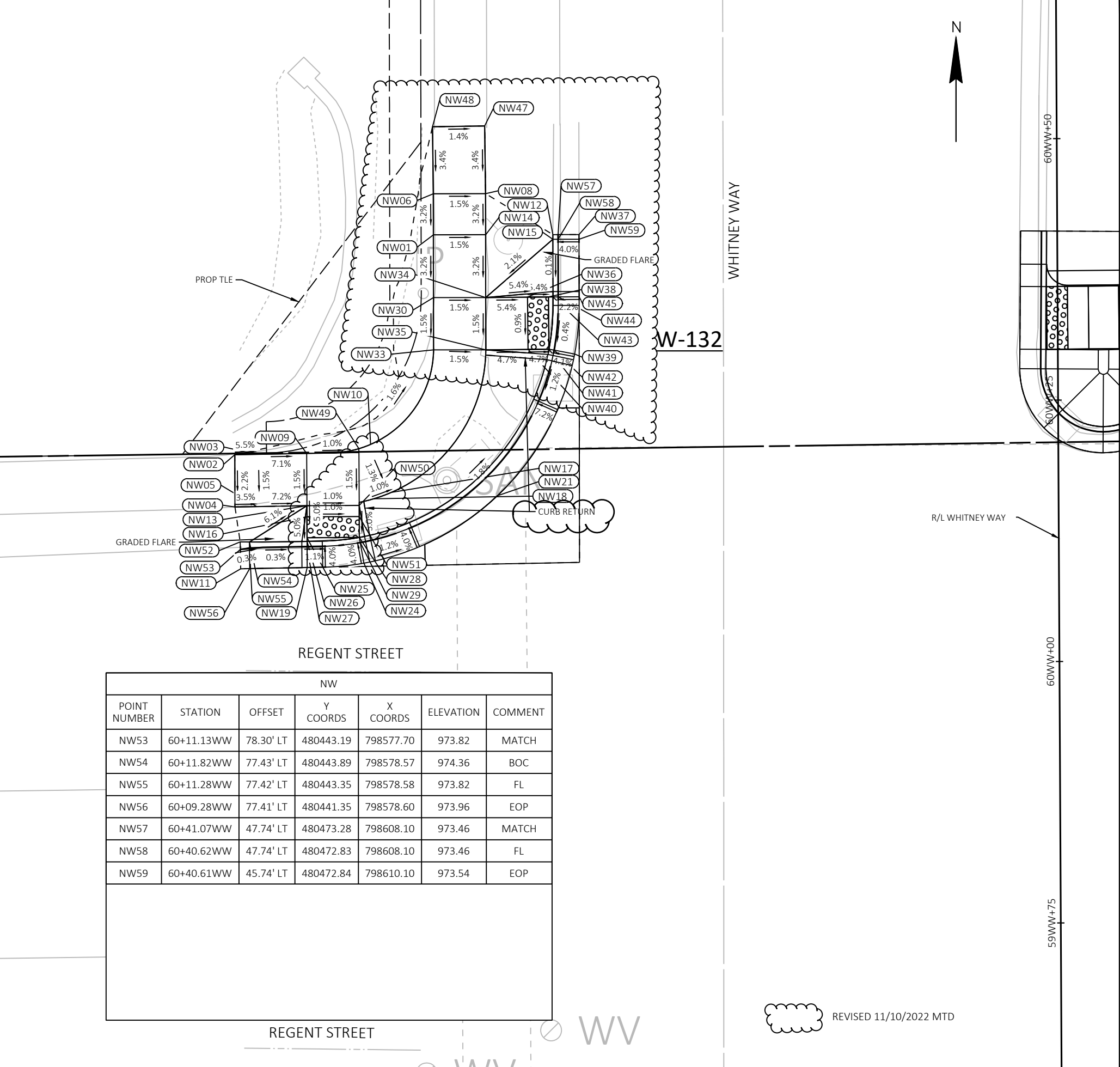


CURB RAMP DETAILS: REGENT STREET	60631225P
BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI
CITY OF MADISON	CONTRACT NO: 60631225C



60631225F
CR23-W

NW						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
NW01	60+41.11WW	59.68' LT	480473.26	798596.17	974.05	EOW
NW02	60+20.18WW	78.78' LT	480452.23	798577.17	974.49	MATCH
NW03	60+20.20WW	76.78' LT	480452.27	798579.18	974.39	EOW
NW04	60+15.18WW	78.79' LT	480447.23	798577.19	974.38	MATCH
NW05	60+15.21WW	76.71' LT	480447.27	798579.27	974.31	EOW
NW06	60+45.04WW	59.66' LT	480477.19	798596.16	974.17	MATCH
NW08	60+45.02WW	54.66' LT	480477.20	798601.16	974.10	MATCH
NW09	60+20.27WW	71.91' LT	480452.36	798584.04	974.04	BOW
NW10	60+21.11WW	65.78' LT	480453.23	798590.17	973.95	BOW
NW11	60+09.27WW	78.27' LT	480441.33	798577.74	973.98	MATCH
NW12	60+41.07WW	48.24' LT	480473.28	798607.60	973.48	MATCH
NW13	60+15.27WW	71.91' LT	480447.36	798584.07	973.96	FOW
NW14	60+41.09WW	54.68' LT	480473.27	798601.17	973.97	EOW
NW15	60+40.62WW	48.24' LT	480472.83	798607.60	973.96	BOC
NW16	60+14.21WW	71.91' LT	480446.30	798584.07	973.91	FOW
NW17	60+16.51WW	63.82' LT	480448.64	798592.16	973.88	EOW
NW18	60+15.90WW	65.51' LT	480448.03	798590.47	973.90	FOW
NW19	60+09.36WW	71.91' LT	480441.45	798584.10	973.88	EOP
NW21	60+16.13WW	53.68' LT	480448.32	798602.30	973.64	EOP
NW24	60+09.75WW	66.48' LT	480441.87	798589.52	973.82	EOP
NW25	60+12.21WW	71.91' LT	480444.30	798584.08	973.81	FOW
NW26	60+11.86WW	71.91' LT	480443.95	798584.08	973.81	BOC
NW27	60+11.36WW	71.91' LT	480443.45	798584.09	973.80	FL
NW28	60+12.21WW	66.91' LT	480444.33	798589.08	973.76	BOC
NW29	60+11.72WW	66.83' LT	480443.83	798589.17	973.74	FL
NW30	60+35.11WW	59.70' LT	480467.26	798596.18	973.86	BOW
NW33	60+30.11WW	59.72' LT	480462.26	798596.18	973.78	BOW
NW34	60+35.09WW	54.70' LT	480467.27	798601.18	973.78	FOW
NW35	60+30.09WW	54.72' LT	480462.27	798601.18	973.71	FOW
NW36	60+35.11WW	50.70' LT	480467.31	798605.18	973.56	FOW
NW37	60+41.06WW	45.74' LT	480473.28	798610.10	973.54	MATCH
NW38	60+35.12WW	48.70' LT	480467.33	798607.18	973.46	FOW
NW39	60+29.64WW	46.22' LT	480461.87	798609.68	973.51	EOP
NW40	60+30.11WW	50.67' LT	480462.31	798605.23	973.52	FOW
NW41	60+30.12WW	48.67' LT	480462.33	798607.23	973.43	BOC
NW42	60+30.02WW	48.18' LT	480462.24	798607.72	973.43	FL
NW43	60+35.12WW	48.26' LT	480467.33	798607.61	973.45	BOC
NW44	60+35.11WW	47.76' LT	480467.33	798608.11	973.45	FL
NW45	60+35.11WW	45.76' LT	480467.33	798610.11	973.49	EOP
NW47	60+51.50WW	54.72' LT	480483.68	798601.08	974.32	MATCH
NW48	60+51.44WW	59.71' LT	480483.59	798596.08	974.39	MATCH
NW49	60+20.70WW	66.91' LT	480452.82	798589.04	973.97	BOW
NW50	60+15.27WW	66.91' LT	480447.39	798589.07	973.91	EOW
NW51	60+14.21WW	66.91' LT	480446.33	798589.07	973.86	EOW
NW52	60+11.84WW	78.31' LT	480443.90	798577.69	974.24	MATCH



NW						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
NW53	60+11.13WW	78.30' LT	480443.19	798577.70	973.82	MATCH
NW54	60+11.82WW	77.43' LT	480443.89	798578.57	974.36	BOC
NW55	60+11.28WW	77.42' LT	480443.35	798578.58	973.82	FL
NW56	60+09.28WW	77.41' LT	480441.35	798578.60	973.96	EOP
NW57	60+41.07WW	47.74' LT	480473.28	798608.10	973.46	MATCH
NW58	60+40.62WW	47.74' LT	480472.83	798608.10	973.46	FL
NW59	60+40.61WW	45.74' LT	480472.84	798610.10	973.54	EOP

REVISED 11/10/2022 MTD

60631225P

CITY OF MADISON

CR24-W

CURB RAMP DETAILS: REGENT STREET

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

CONTRACT NO: 60631225C

PLAN REVISION 1

REVISION

11/10/22 MTD

DATE

BR

Scale: 1 IN=10 FT

Designed By: AECOM

Date: 2023-03-14

60631225P

CITY OF MADISON

60631225P

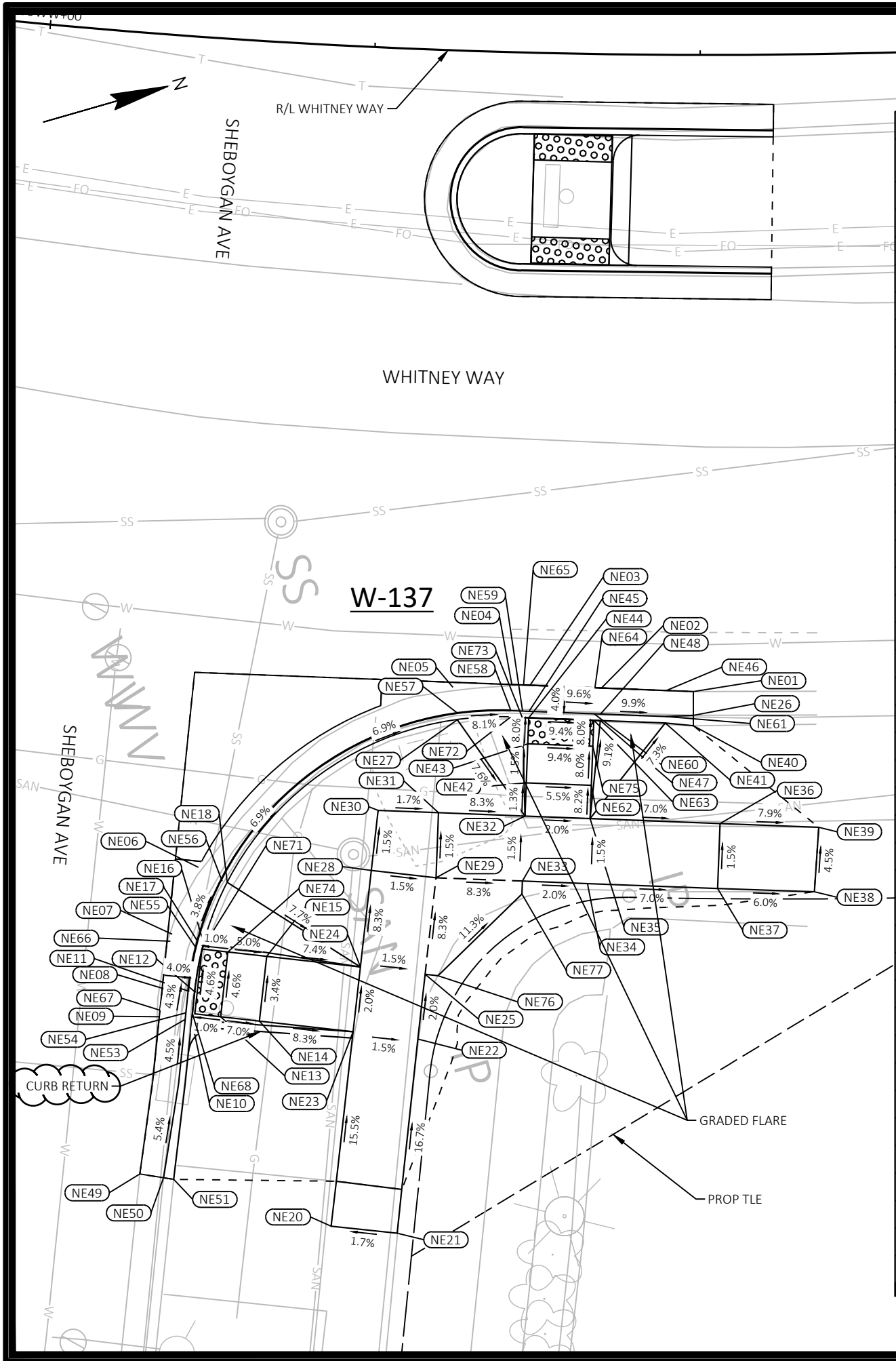
CR24-W

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60631225P
CR26-W

CONTRACT NO: 60631225C

FILE NAME : C:\PW\WORKING\AECOM_DS20_NA_2019\MICHAEL.SCHNEIDERZ@AECOM.COM\DM\S86348\021303-CR.DWG
LAYOUT NAME - SE LAST PLOT DATE - 2023-03-14



NE						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
NE01	79+49.57WW	48.89' RT	482314.81	798951.70	931.93	MATCH
NE02	79+43.09WW	48.68' RT	482308.11	798949.50	932.64	EOP
NE03	79+38.03WW	48.57' RT	482302.88	798947.78	933.16	EOP
NE04	79+36.75WW	48.55' RT	482301.55	798947.34	933.27	EOP
NE05	79+32.60WW	48.90' RT	482297.14	798946.31	933.61	EOP
NE06	79+15.48WW	63.65' RT	482274.53	798954.21	935.18	EOP
NE07	79+13.99WW	68.91' RT	482271.19	798958.60	935.37	EOP
NE08	79+13.56WW	73.10' RT	482269.30	798962.38	935.54	EOP
NE09	79+13.49WW	75.29' RT	482268.49	798964.41	935.63	EOP
NE10	79+15.69WW	75.38' RT	482270.81	798965.34	935.57	BOC
NE11	79+15.32WW	73.18' RT	482271.16	798963.12	935.46	FL
NE12	79+15.76WW	73.20' RT	482271.63	798963.31	935.48	BOC
NE13	79+17.62WW	74.99' RT	482273.02	798965.71	935.58	FOW
NE14	79+20.26WW	75.16' RT	482275.79	798966.85	935.37	FOW
NE15	79+20.51WW	70.17' RT	482277.70	798962.23	935.20	FOW
NE16	79+16.17WW	69.41' RT	482273.33	798959.89	935.31	BOC
NE17	79+15.73WW	69.31' RT	482272.90	798959.64	935.29	FL
NE18	79+17.52WW	64.65' RT	482276.35	798955.92	935.60	BOC
NE20	79+25.74WW	90.61' RT	482276.76	798983.51	937.10	MATCH
NE21	79+30.10WW	90.94' RT	482281.48	798985.43	937.19	MATCH
NE22	79+31.00WW	75.98' RT	482287.11	798971.52	934.69	EOW
NE23	79+26.62WW	75.61' RT	482282.49	798969.62	934.76	EOW
NE24	79+26.93WW	70.63' RT	482284.40	798965.00	934.66	FOW
NE25	79+31.34WW	70.99' RT	482289.02	798966.90	934.59	BOW
NE26	79+49.58WW	50.72' RT	482314.32	798953.46	931.78	MATCH
NE27	79+32.98WW	51.36' RT	482296.78	798948.78	934.03	FOW
NE28	79+27.39WW	63.18' RT	482287.24	798958.10	934.04	EOW
NE29	79+31.86WW	63.55' RT	482291.86	798960.01	933.97	LANDING
NE30	79+27.68WW	58.55' RT	482289.01	798953.81	933.97	BOW
NE31	79+31.88WW	58.55' RT	482293.42	798955.26	933.89	EOW
NE32	79+37.89WW	58.62' RT	482299.74	798957.33	933.34	FOW
NE33	79+37.82WW	63.62' RT	482298.18	798962.08	933.41	BOW
NE34	79+42.30WW	63.71' RT	482302.93	798963.64	933.31	BOW
NE35	79+42.41WW	58.72' RT	482304.49	798958.89	933.24	FOW
NE36	79+51.44WW	59.03' RT	482313.99	798962.01	932.54	EOW
NE37	79+51.26WW	64.03' RT	482312.44	798966.76	932.61	EOW
NE38	79+57.92WW	64.32' RT	482319.52	798969.04	932.17	MATCH
NE39	79+58.29WW	59.38' RT	482321.21	798964.38	931.94	MATCH
NE40	79+49.58WW	51.52' RT	482314.09	798954.22	932.28	MATCH
NE41	79+47.60WW	51.32' RT	482312.08	798953.43	932.56	EOW

NE						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
NE42	79+37.93WW	56.07' RT	482300.54	798954.91	933.31	EOW
NE43	79+37.97WW	53.07' RT	482301.48	798952.06	933.26	FOW
NE44	79+38.00WW	51.07' RT	482302.10	798950.15	933.10	BOC
NE45	79+38.00WW	50.57' RT	482302.26	798949.68	933.08	FL
NE46	79+47.68WW	48.82' RT	482312.86	798951.06	932.14	FOW
NE47	79+43.03WW	51.18' RT	482307.33	798951.87	932.58	BOC
NE48	79+43.04WW	50.68' RT	482307.48	798951.40	932.56	FL
NE49	79+12.90WW	87.45' RT	482263.72	798975.62	936.27	MATCH
NE50	79+14.49WW	87.60' RT	482265.40	798976.38	936.17	MATCH
NE51	79+15.16WW	87.69' RT	482266.10	798976.73	936.63	MATCH
NE53	79+15.25WW	75.36' RT	482270.35	798965.16	935.55	MATCH
NE54	79+15.27WW	74.86' RT	482270.53	798964.69	935.53	FL
NE55	79+15.65WW	69.81' RT	482272.64	798960.08	935.31	FL
NE56	79+17.12WW	64.45' RT	482275.98	798955.58	935.10	FL
NE57	79+32.91WW	50.87' RT	482296.85	798948.29	933.53	FL
NE58	79+36.73WW	50.55' RT	482300.93	798949.24	933.19	FL
NE59	79+37.55WW	50.56' RT	482301.78	798949.52	933.12	FL
NE60	79+42.58WW	50.66' RT	482307.01	798951.24	932.61	FL
NE61	79+47.62WW	50.82' RT	482312.23	798952.96	932.06	FL
NE62	79+42.46WW	56.16' RT	482305.29	798956.47	933.03	EOW
NE63	79+42.57WW	51.16' RT	482306.85	798951.72	932.63	BOC
NE64	79+42.63WW	48.67' RT	482307.63	798949.34	932.69	EOP
NE65	79+37.57WW	48.56' RT	482302.40	798947.62	933.20	EOP
NE66	79+13.90WW	69.45' RT	482270.91	798959.08	935.39	EOP
NE67	79+13.51WW	74.79' RT	482268.68	798963.95	935.61	EOP
NE68	79+15.71WW	74.88' RT	482271.00	798964.88	935.55	BOC
NE71	79+16.08WW	69.90' RT	482273.07	798960.33	935.33	BOC
NE72	79+36.72WW	51.05' RT	482300.77	798949.72	933.30	BOC
NE73	79+37.54WW	51.06' RT	482301.62	798950.00	933.14	BOC
NE74	79+17.86WW	70.00' RT	482274.92	798961.09	935.35	EOW
NE75	79+42.53WW	53.16' RT	482306.23	798953.62	932.79	EOW
NE76	79+32.23WW	71.07' RT	482289.94	798967.28	934.51	BOW
NE77	79+37.81WW	64.62' RT	482297.87	798963.03	933.49	BOW

REVISED 11/10/2022 MTD

CURB RAMP DETAILS: SHEBOYGAN AVE

CITY OF MADISON

60631225P

CR28-W

60631225P

CITY OF MADISON

60631225C

PLAN REVISION 1

11/10/22 MTD

DATE

BY

REVISION

MARK

Designed By: AECOM

Date: 2023-03-14

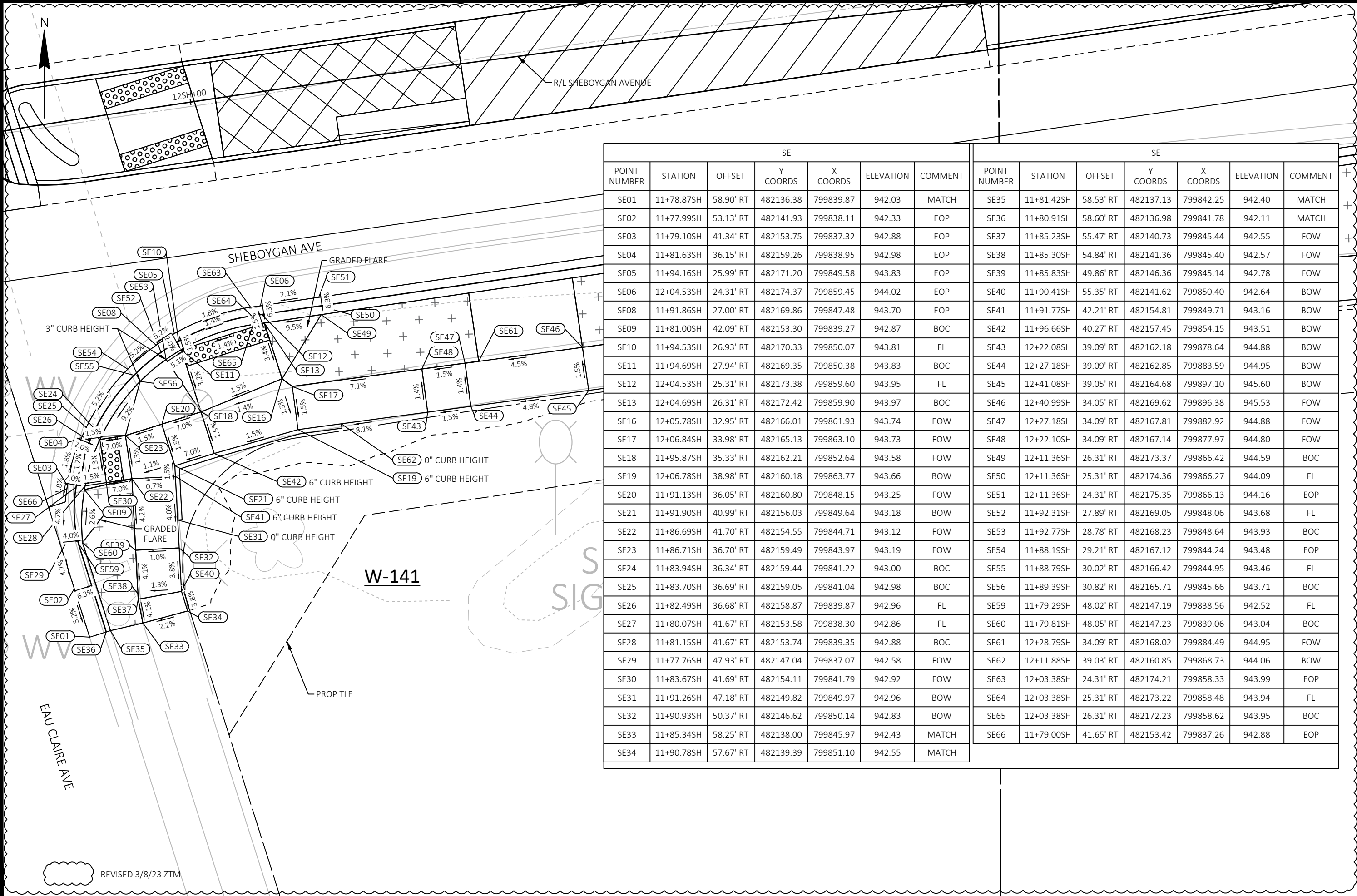
Scale:

60631225P

CITY OF MADISON, DANE COUNTY, WI

BUS RAPID TRANSIT

CITY OF MADISON



SE							SE						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT	POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
SE01	11+78.87SH	58.90' RT	482136.38	799839.87	942.03	MATCH	SE35	11+81.42SH	58.53' RT	482137.13	799842.25	942.40	MATCH
SE02	11+77.99SH	53.13' RT	482141.93	799838.11	942.33	EOP	SE36	11+80.91SH	58.60' RT	482136.98	799841.78	942.11	MATCH
SE03	11+79.10SH	41.34' RT	482153.75	799837.32	942.88	EOP	SE37	11+85.23SH	55.47' RT	482140.73	799845.44	942.55	FOW
SE04	11+81.63SH	36.15' RT	482159.26	799838.95	942.98	EOP	SE38	11+85.30SH	54.84' RT	482141.36	799845.40	942.57	FOW
SE05	11+94.16SH	25.99' RT	482171.20	799849.58	943.83	EOP	SE39	11+85.83SH	49.86' RT	482146.36	799845.14	942.78	FOW
SE06	12+04.53SH	24.31' RT	482174.37	799859.45	944.02	EOP	SE40	11+90.41SH	55.35' RT	482141.62	799850.40	942.64	BOW
SE08	11+91.86SH	27.00' RT	482169.86	799847.48	943.70	EOP	SE41	11+91.77SH	42.21' RT	482154.81	799849.71	943.16	BOW
SE09	11+81.00SH	42.09' RT	482153.30	799839.27	942.87	BOC	SE42	11+96.66SH	40.27' RT	482157.45	799854.15	943.51	BOW
SE10	11+94.53SH	26.93' RT	482170.33	799850.07	943.81	FL	SE43	12+22.08SH	39.09' RT	482162.18	799878.64	944.88	BOW
SE11	11+94.69SH	27.94' RT	482169.35	799850.38	943.83	BOC	SE44	12+27.18SH	39.09' RT	482162.85	799883.59	944.95	BOW
SE12	12+04.53SH	25.31' RT	482173.38	799859.60	943.95	FL	SE45	12+41.08SH	39.05' RT	482164.68	799897.10	945.60	BOW
SE13	12+04.69SH	26.31' RT	482172.42	799859.90	943.97	BOC	SE46	12+40.99SH	34.05' RT	482169.62	799896.38	945.53	FOW
SE16	12+05.78SH	32.95' RT	482166.01	799861.93	943.74	EOW	SE47	12+27.18SH	34.09' RT	482167.81	799882.92	944.88	FOW
SE17	12+06.84SH	33.98' RT	482165.13	799863.10	943.73	FOW	SE48	12+22.10SH	34.09' RT	482167.14	799877.97	944.80	FOW
SE18	11+95.87SH	35.33' RT	482162.21	799852.64	943.58	FOW	SE49	12+11.36SH	26.31' RT	482173.37	799866.42	944.59	BOC
SE19	12+06.78SH	38.98' RT	482160.18	799863.77	943.66	BOW	SE50	12+11.36SH	25.31' RT	482174.36	799866.27	944.09	FL
SE20	11+91.13SH	36.05' RT	482160.80	799848.15	943.25	FOW	SE51	12+11.36SH	24.31' RT	482175.35	799866.13	944.16	EOP
SE21	11+91.90SH	40.99' RT	482156.03	799849.64	943.18	BOW	SE52	11+92.31SH	27.89' RT	482169.05	799848.06	943.68	FL
SE22	11+86.69SH	41.70' RT	482154.55	799844.71	943.12	FOW	SE53	11+92.77SH	28.78' RT	482168.23	799848.64	943.93	BOC
SE23	11+86.71SH	36.70' RT	482159.49	799843.97	943.19	FOW	SE54	11+88.19SH	29.21' RT	482167.12	799844.24	943.48	EOP
SE24	11+83.94SH	36.34' RT	482159.44	799841.22	943.00	BOC	SE55	11+88.79SH	30.02' RT	482166.42	799844.95	943.46	FL
SE25	11+83.70SH	36.69' RT	482159.05	799841.04	942.98	BOC	SE56	11+89.39SH	30.82' RT	482165.71	799845.66	943.71	BOC
SE26	11+82.49SH	36.68' RT	482158.87	799839.87	942.96	FL	SE59	11+79.29SH	48.02' RT	482147.19	799838.56	942.52	FL
SE27	11+80.07SH	41.67' RT	482153.58	799838.30	942.86	FL	SE60	11+79.81SH	48.05' RT	482147.23	799839.06	943.04	BOC
SE28	11+81.15SH	41.67' RT	482153.74	799839.35	942.88	BOC	SE61	12+28.79SH	34.09' RT	482168.02	799884.49	944.95	FOW
SE29	11+77.76SH	47.93' RT	482147.04	799837.07	942.58	FOW	SE62	12+11.88SH	39.03' RT	482160.85	799868.73	944.06	BOW
SE30	11+83.67SH	41.69' RT	482154.11	799841.79	942.92	FOW	SE63	12+03.38SH	24.31' RT	482174.21	799858.33	943.99	EOP
SE31	11+91.26SH	47.18' RT	482149.82	799849.97	942.96	BOW	SE64	12+03.38SH	25.31' RT	482173.22	799858.48	943.94	FL
SE32	11+90.93SH	50.37' RT	482146.62	799850.14	942.83	BOW	SE65	12+03.38SH	26.31' RT	482172.23	799858.62	943.95	BOC
SE33	11+85.34SH	58.25' RT	482138.00	799845.97	942.43	MATCH	SE66	11+79.00SH	41.65' RT	482153.42	799837.26	942.88	EOP
SE34	11+90.78SH	57.67' RT	482139.39	799851.10	942.55	MATCH							

60631225P

CURB RAMP DETAILS: EAU CLAIRE AVE

CITY OF MADISON

60631225P

PLAN REVISION 1

REVISION

DATE

BY

3/8/23

ZTM

2023-03-08

60631225P

MARK

Designed By: AECOM

Date: 2023-03-08

Scale: 1 IN=10 FT

60631225P

CITY OF MADISON

WISCONSIN

CR31-W

60631225C

CONTRACT NO: 60631225C

CITY OF MADISON

BUS RAPID TRANSIT

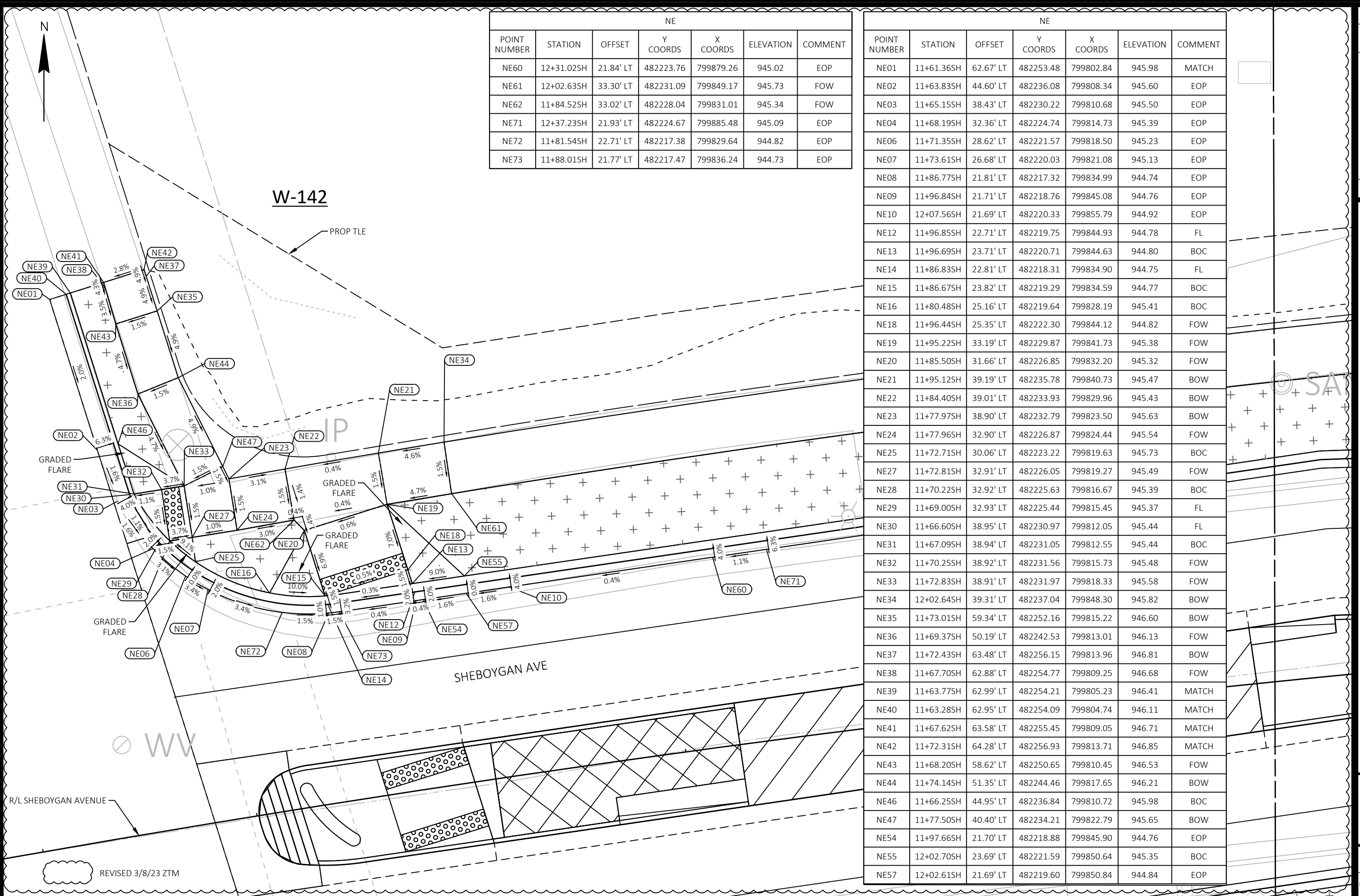
CITY OF MADISON, DANE COUNTY, WI

FILE NAME :

C:\P\WORKING\AECOM_DS20_NA_2019\ZACHARY.MROZ@AECOM.COM\DSMS86348\021304-CR.DWG

LAYOUT NAME - SE

LAST PLOT DATE - 2023-03-08



NE						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
NE60	12+31.02SH	21.84' LT	482223.76	799879.26	945.02	EOP
NE61	12+02.63SH	33.30' LT	482231.09	799849.17	945.73	FOW
NE62	11+84.52SH	33.02' LT	482228.04	799831.01	945.34	FOW
NE71	12+37.23SH	21.93' LT	482224.67	799885.48	945.09	EOP
NE72	11+81.54SH	22.71' LT	482217.38	799829.64	944.82	EOP
NE73	11+88.01SH	21.77' LT	482217.47	799836.24	944.73	EOP

NE						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
NE01	11+61.36SH	62.67' LT	482253.48	799802.84	945.98	MATCH
NE02	11+63.83SH	44.60' LT	482236.08	799808.34	945.60	EOP
NE03	11+65.15SH	38.43' LT	482230.22	799810.68	945.50	EOP
NE04	11+68.19SH	32.36' LT	482224.74	799814.73	945.39	EOP
NE06	11+71.35SH	28.62' LT	482221.57	799818.50	945.23	EOP
NE07	11+73.61SH	26.68' LT	482220.03	799821.08	945.13	EOP
NE08	11+86.77SH	21.81' LT	482217.32	799834.99	944.74	EOP
NE09	11+96.84SH	21.71' LT	482218.76	799845.08	944.76	EOP
NE10	12+07.56SH	21.69' LT	482220.33	799855.79	944.92	EOP
NE12	11+96.85SH	22.71' LT	482219.75	799844.93	944.78	FL
NE13	11+96.69SH	23.71' LT	482220.71	799844.63	944.80	BOC
NE14	11+86.83SH	22.81' LT	482218.31	799834.90	944.75	FL
NE15	11+86.67SH	23.82' LT	482219.29	799834.59	944.77	BOC
NE16	11+80.48SH	25.16' LT	482219.64	799828.19	945.41	BOC
NE18	11+96.44SH	25.35' LT	482222.30	799844.12	944.82	FOW
NE19	11+95.22SH	33.19' LT	482229.87	799841.73	945.38	FOW
NE20	11+85.50SH	31.66' LT	482226.85	799832.20	945.32	FOW
NE21	11+95.12SH	39.19' LT	482235.78	799840.73	945.47	BOW
NE22	11+84.40SH	39.01' LT	482233.93	799829.96	945.43	BOW
NE23	11+77.97SH	38.90' LT	482232.79	799823.50	945.63	BOW
NE24	11+77.96SH	32.90' LT	482226.87	799824.44	945.54	FOW
NE25	11+72.71SH	30.06' LT	482223.22	799819.63	945.73	BOC
NE27	11+72.81SH	32.91' LT	482226.05	799819.27	945.49	FOW
NE28	11+70.22SH	32.92' LT	482225.63	799816.67	945.39	BOC
NE29	11+69.00SH	32.93' LT	482225.44	799815.45	945.37	FL
NE30	11+66.60SH	38.95' LT	482230.97	799812.05	945.44	FL
NE31	11+67.09SH	38.94' LT	482231.05	799812.55	945.44	BOC
NE32	11+70.25SH	38.92' LT	482231.56	799815.73	945.48	FOW
NE33	11+72.83SH	38.91' LT	482231.97	799818.33	945.58	FOW
NE34	12+02.64SH	39.31' LT	482237.04	799848.30	945.82	BOW
NE35	11+73.01SH	59.34' LT	482252.16	799815.22	946.60	BOW
NE36	11+69.37SH	50.19' LT	482242.53	799813.01	946.13	FOW
NE37	11+72.43SH	63.48' LT	482256.15	799813.96	946.81	BOW
NE38	11+67.70SH	62.88' LT	482254.77	799809.25	946.68	FOW
NE39	11+63.77SH	62.99' LT	482254.21	799805.23	946.41	MATCH
NE40	11+63.28SH	62.95' LT	482254.09	799804.74	946.11	MATCH
NE41	11+67.62SH	63.58' LT	482255.45	799809.05	946.71	MATCH
NE42	11+72.31SH	64.28' LT	482256.93	799813.71	946.85	MATCH
NE43	11+68.20SH	58.62' LT	482250.65	799810.45	946.53	FOW
NE44	11+74.14SH	51.35' LT	482244.46	799817.65	946.21	BOW
NE46	11+66.25SH	44.95' LT	482236.84	799810.72	945.98	BOC
NE47	11+77.50SH	40.40' LT	482234.21	799822.79	945.65	BOW
NE54	11+97.66SH	21.70' LT	482218.88	799845.90	944.76	EOP
NE55	12+02.70SH	23.69' LT	482221.59	799850.64	945.35	BOC
NE57	12+02.61SH	21.69' LT	482219.60	799850.84	944.84	EOP

60631225P

CURB RAMP DETAILS: EAU CLAIRE AVE

CCURB RAMP DETAILS: EAU
BUS RAPID TRANSIT
CITY OF MADISON



60631225P

CR32-W

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

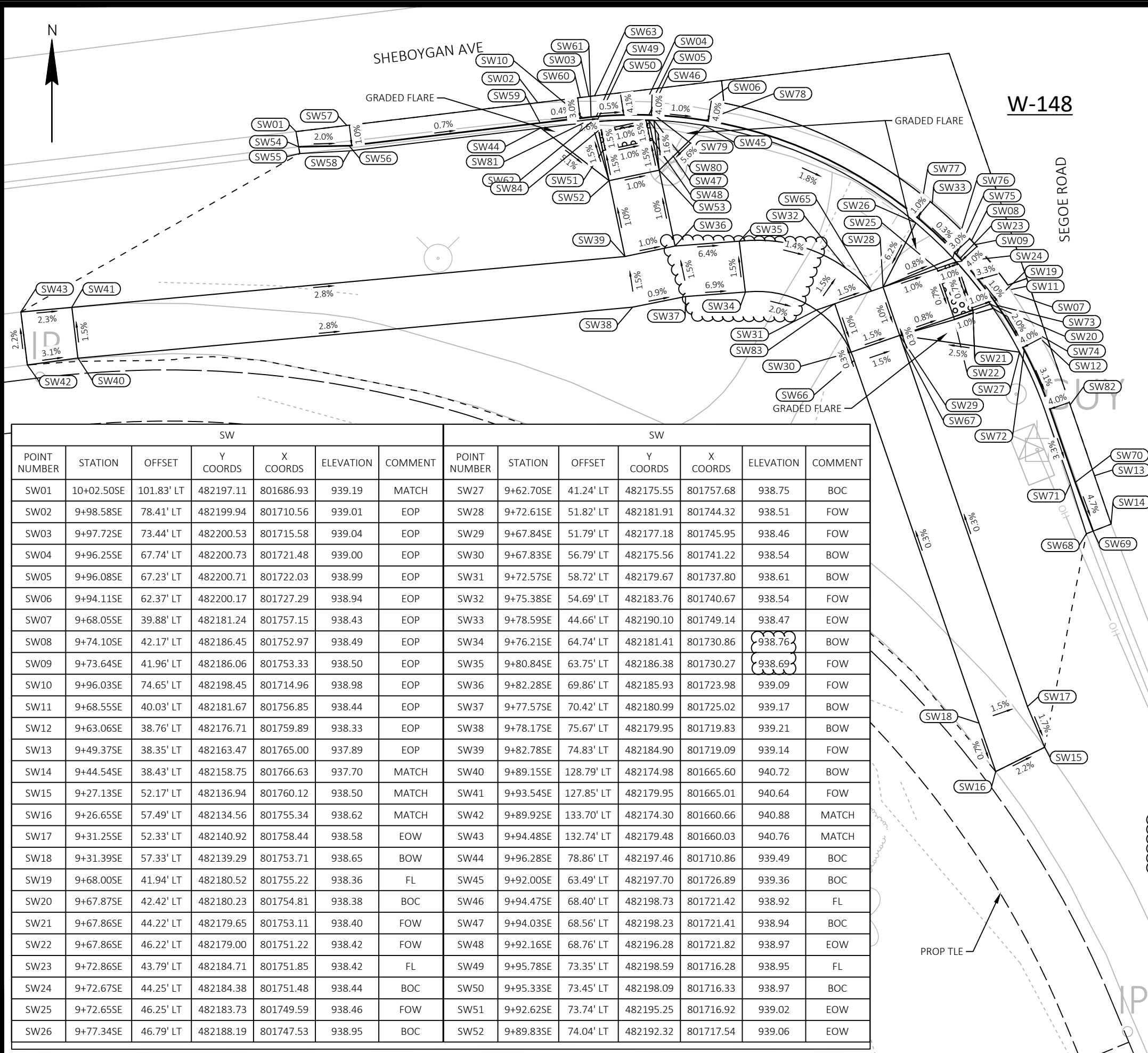
CITY OF MADISON



60631225P

CR32-W

FILE NAME : C:\PWORKING\AECOM_DS20_NA_2019\ZACHARY.MROZ@AECOM.COM\DM586348\021304-CR.DWG
LAYOUT NAME - NF LAST PLOT DATE - 2023-03-08



SW							SW						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT	POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
SW01	10+02.50SE	101.83' LT	482197.11	801686.93	939.19	MATCH	SW27	9+62.70SE	41.24' LT	482175.55	801757.68	938.75	BOC
SW02	9+98.58SE	78.41' LT	482199.94	801710.56	939.01	EOP	SW28	9+72.61SE	51.82' LT	482181.91	801744.32	938.51	FOW
SW03	9+97.72SE	73.44' LT	482200.53	801715.58	939.04	EOP	SW29	9+67.84SE	51.79' LT	482177.18	801745.95	938.46	FOW
SW04	9+96.25SE	67.74' LT	482200.73	801721.48	939.00	EOP	SW30	9+67.83SE	56.79' LT	482175.56	801741.22	938.54	BOW
SW05	9+96.08SE	67.23' LT	482200.71	801722.03	938.99	EOP	SW31	9+72.57SE	58.72' LT	482179.67	801737.80	938.61	BOW
SW06	9+94.11SE	62.37' LT	482200.17	801727.29	938.94	EOP	SW32	9+75.38SE	54.69' LT	482183.76	801740.67	938.54	FOW
SW07	9+68.05SE	39.88' LT	482181.24	801757.15	938.43	EOP	SW33	9+78.59SE	44.66' LT	482190.10	801749.14	938.47	EOW
SW08	9+74.10SE	42.17' LT	482186.45	801752.97	938.49	EOP	SW34	9+76.21SE	64.74' LT	482181.41	801730.86	938.76	BOW
SW09	9+73.64SE	41.96' LT	482186.06	801753.33	938.50	EOP	SW35	9+80.84SE	63.75' LT	482186.38	801730.27	938.69	FOW
SW10	9+96.03SE	74.65' LT	482198.45	801714.96	938.98	EOP	SW36	9+82.28SE	69.86' LT	482185.93	801723.98	939.09	FOW
SW11	9+68.55SE	40.03' LT	482181.67	801756.85	938.44	EOP	SW37	9+77.57SE	70.42' LT	482180.99	801725.02	939.17	BOW
SW12	9+63.06SE	38.76' LT	482176.71	801759.89	938.33	EOP	SW38	9+78.17SE	75.67' LT	482179.95	801719.83	939.21	BOW
SW13	9+49.37SE	38.35' LT	482163.47	801765.00	937.89	EOP	SW39	9+82.78SE	74.83' LT	482184.90	801719.09	939.14	FOW
SW14	9+44.54SE	38.43' LT	482158.75	801766.63	937.70	MATCH	SW40	9+89.15SE	128.79' LT	482174.98	801665.60	940.72	BOW
SW15	9+27.13SE	52.17' LT	482136.94	801760.12	938.50	MATCH	SW41	9+93.54SE	127.85' LT	482179.95	801665.01	940.64	FOW
SW16	9+26.65SE	57.49' LT	482134.56	801755.34	938.62	MATCH	SW42	9+89.92SE	133.70' LT	482174.30	801660.66	940.88	MATCH
SW17	9+31.25SE	52.33' LT	482140.92	801758.44	938.58	EOW	SW43	9+94.48SE	132.74' LT	482179.48	801660.03	940.76	MATCH
SW18	9+31.39SE	57.33' LT	482139.29	801753.71	938.65	BOW	SW44	9+96.28SE	78.86' LT	482197.46	801710.86	939.49	BOC
SW19	9+68.00SE	41.94' LT	482180.52	801755.22	938.36	FL	SW45	9+92.00SE	63.49' LT	482197.70	801726.89	939.36	BOC
SW20	9+67.87SE	42.42' LT	482180.23	801754.81	938.38	BOC	SW46	9+94.47SE	68.40' LT	482198.73	801721.42	938.92	FL
SW21	9+67.86SE	44.22' LT	482179.65	801753.11	938.40	FOW	SW47	9+94.03SE	68.56' LT	482198.23	801721.41	938.94	BOC
SW22	9+67.86SE	46.22' LT	482179.00	801751.22	938.42	FOW	SW48	9+92.16SE	68.76' LT	482196.28	801721.82	938.97	EOW
SW23	9+72.86SE	43.79' LT	482184.71	801751.85	938.42	FL	SW49	9+95.78SE	73.35' LT	482198.59	801716.28	938.95	FL
SW24	9+72.67SE	44.25' LT	482184.38	801751.48	938.44	BOC	SW50	9+95.33SE	73.45' LT	482198.09	801716.33	938.97	BOC
SW25	9+72.65SE	46.25' LT	482183.73	801749.59	938.46	FOW	SW51	9+92.62SE	73.74' LT	482195.25	801716.92	939.02	EOW
SW26	9+77.34SE	46.79' LT	482188.19	801747.53	938.95	BOC	SW52	9+89.83SE	74.04' LT	482192.32	801717.54	939.06	EOW

SW						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
SW53	9+89.35SE	69.06' LT	482193.34	801722.43	939.01	EOW
SW54	10+01.13SE	102.03' LT	482195.63	801687.18	939.22	MATCH
SW55	10+00.52SE	102.10' LT	482194.96	801687.30	939.69	MATCH
SW56	9+99.88SE	97.27' LT	482195.72	801692.13	939.12	FL
SW57	10+01.69SE	96.91' LT	482197.71	801691.89	939.14	MATCH
SW58	9+99.43SE	97.36' LT	482195.22	801692.19	939.62	BOC
SW59	9+96.74SE	78.77' LT	482197.95	801710.80	938.99	FL
SW60	9+97.87SE	74.29' LT	482200.44	801714.72	939.04	EOP
SW61	9+95.88SE	73.84' LT	482198.54	801715.78	938.96	FL
SW62	9+95.42SE	73.95' LT	482198.04	801715.83	938.98	BOC
SW63	9+97.61SE	72.92' LT	482200.58	801716.11	939.03	EOP
SW65	9+72.60SE	53.01' LT	482181.52	801743.19	938.53	FOW
SW66	9+67.01SE	56.79' LT	482174.74	801741.50	938.54	BOW
SW67	9+67.02SE	51.79' LT	482176.37	801746.23	938.46	FOW
SW68	9+44.49SE	41.03' LT	482157.80	801764.20	938.04	MATCH
SW69	9+44.49SE	40.33' LT	482158.04	801764.86	937.57	MATCH
SW70	9+49.40SE	40.35' LT	482162.82	801763.11	937.81	FL
SW71	9+49.40SE	40.85' LT	482162.66	801762.63	938.31	BOC
SW72	9+62.77SE	40.74' LT	482175.78	801758.12	938.25	FL
SW73	9+67.53SE	41.81' LT	482180.11	801755.50	938.35	FL
SW74	9+67.40SE	42.29' LT	482179.82	801755.09	938.37	BOC
SW75	9+73.30SE	43.99' LT	482185.09	801751.51	938.43	FL
SW76	9+73.10SE	44.45' LT	482184.74	801751.14	938.45	BOC
SW77	9+77.59SE	46.36' LT	482188.57	801747.85	938.45	FL
SW78	9+92.42SE	63.27' LT	482198.20	801726.97	938.86	FL
SW79	9+94.31SE	67.91' LT	482198.71	801721.94	938.91	FL

SW						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
SW80	9+93.87SE	68.08' LT	482198.21	801721.92	938.93	BOC
SW81	9+95.57SE	74.74' LT	482197.95	801715.02	939.00	BOC
SW82	9+56.45SE	38.27' LT	482170.40	801762.61	938.13	FL
SW83	9+72.58SE	56.82' LT	482180.29	801739.59	938.59	FOW
SW84	9+94.49SE	73.54' LT	482197.21	801716.51	938.99	FOW

R/L SEGUE ROAD

W-148

SEGUE ROAD

PROP TLE

REVISED 11/10/2022 MTD

60631225P

CITY OF MADISON

CR38-W

CURB RAMP DETAILS: SEGUE ROAD

BUS RAPID TRANSIT

CITY OF MADISON

PLAN REVISION 1

DATE

11/10/22 MTD

REVISION

DATE

2023-03-14

MARK

Designed By: AECOM

60631225P

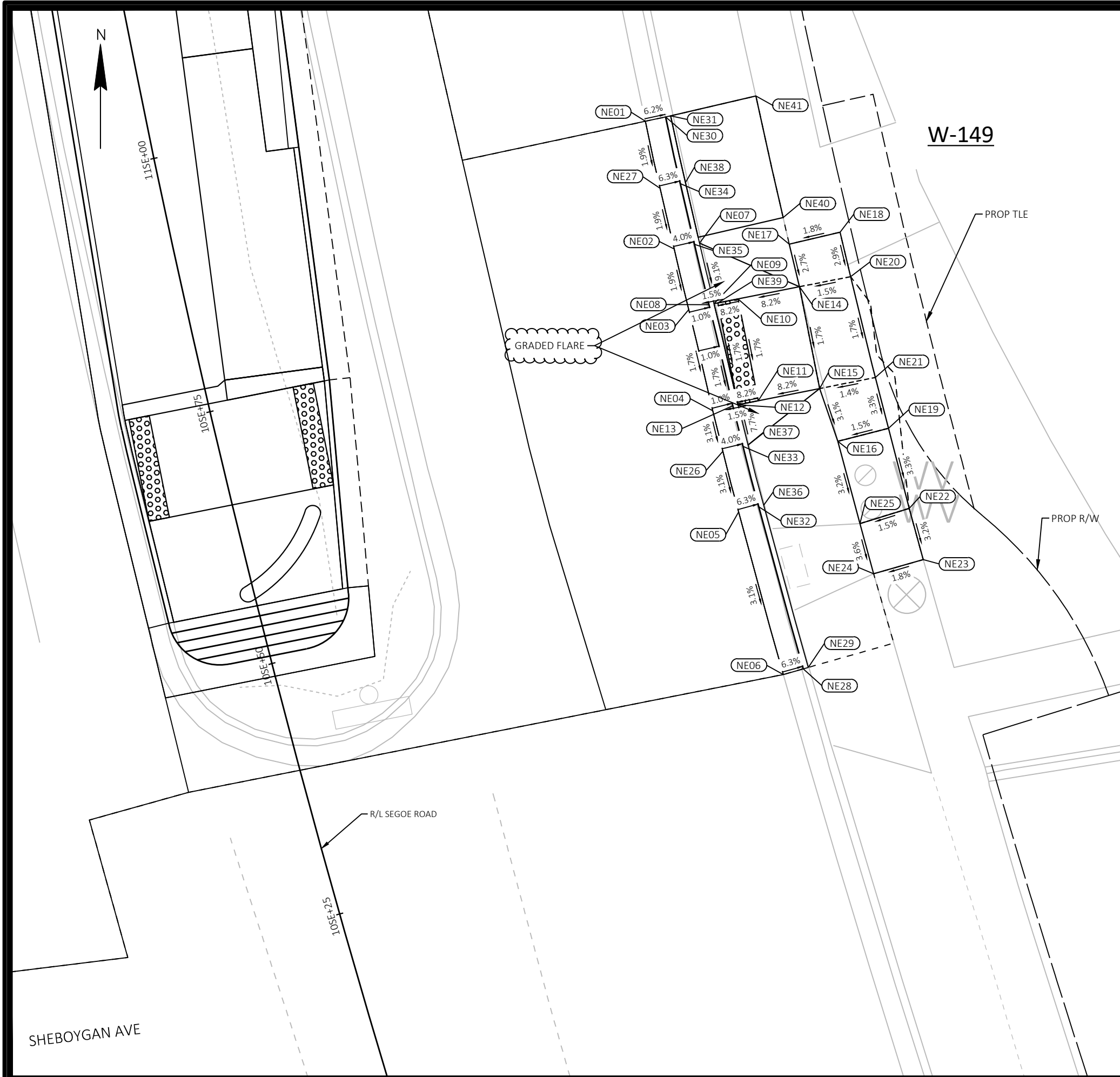
CONTRACT NO: 60631225C

CITY OF MADISON, DANE COUNTY, WI

FILE NAME : C:\P\WORKING\AECOM_DS20_NA_2019\MICHAEL SCHNEIDER\2@AECOM.COM\DM586348\021305-CR.DWG

LAYOUT NAME - SW

LAST PLOT DATE - 2023-03-14



NE						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
NE01	10+93.51SE	47.08' RT	482324.86	801807.42	941.38	MATCH
NE02	10+80.32SE	47.13' RT	482312.55	801810.21	941.14	EOP
NE03	10+74.04SE	47.18' RT	482306.71	801811.61	941.03	EOP
NE04	10+63.56SE	47.15' RT	482296.96	801813.91	940.86	EOP
NE05	10+53.02SE	47.21' RT	482287.20	801816.42	940.55	EOP
NE06	10+36.05SE	47.38' RT	482271.54	801820.73	940.06	MATCH
NE07	10+80.33SE	49.63' RT	482313.12	801812.65	941.56	BOC
NE08	10+74.06SE	49.18' RT	482307.19	801813.55	941.01	FL
NE09	10+74.04SE	49.68' RT	482307.28	801814.05	941.02	BOC
NE10	10+73.95SE	52.04' RT	482307.74	801816.36	941.19	FOW
NE11	10+63.46SE	51.65' RT	482297.93	801818.31	941.01	FOW
NE12	10+63.55SE	49.65' RT	482297.54	801816.35	940.85	BOC
NE13	10+63.57SE	49.15' RT	482297.45	801815.85	940.84	FL
NE14	10+73.73SE	58.07' RT	482308.91	801822.28	941.68	FOW
NE15	10+63.17SE	57.67' RT	482299.10	801824.23	941.51	FOW
NE16	10+57.51SE	58.15' RT	482294.01	801825.98	941.35	FOW
NE17	10+78.20SE	58.04' RT	482313.03	801821.29	941.80	MATCH
NE18	10+78.22SE	63.07' RT	482314.18	801826.19	941.89	MATCH
NE19	10+57.55SE	63.19' RT	482295.28	801830.86	941.42	BOW
NE20	10+73.54SE	63.09' RT	482309.89	801827.21	941.76	BOW
NE21	10+62.91SE	63.14' RT	482300.17	801829.59	941.59	BOW
NE22	10+49.07SE	63.21' RT	482287.55	801832.85	941.16	BOW
NE23	10+43.63SE	63.27' RT	482282.61	801834.20	940.99	MATCH
NE24	10+43.53SE	58.31' RT	482281.25	801829.43	940.90	MATCH
NE25	10+48.83SE	58.26' RT	482286.09	801828.11	941.08	FOW
NE26	10+59.35SE	47.16' RT	482293.05	801814.89	940.74	EOP
NE27	10+86.59SE	47.09' RT	482318.40	801808.85	941.26	EOP
NE28	10+36.07SE	49.38' RT	482272.09	801822.65	939.93	MATCH
NE29	10+36.07SE	49.88' RT	482272.23	801823.13	940.43	MATCH
NE30	10+93.51SE	49.08' RT	482325.28	801809.37	941.26	MATCH
NE31	10+93.51SE	49.58' RT	482325.38	801809.86	941.76	MATCH
NE32	10+53.05SE	49.21' RT	482287.72	801818.35	940.43	FL
NE33	10+59.35SE	49.16' RT	482293.54	801816.83	940.66	FL
NE34	10+86.61SE	49.09' RT	482318.85	801810.80	941.13	FL
NE35	10+80.33SE	49.13' RT	482313.01	801812.16	941.06	FL
NE36	10+53.06SE	49.71' RT	482287.85	801818.83	940.93	BOC
NE37	10+59.35SE	49.66' RT	482293.66	801817.32	941.16	BOC
NE38	10+86.62SE	49.59' RT	482318.97	801811.28	941.63	BOC
NE39	10+74.02SE	50.05' RT	482307.35	801814.40	941.02	RAMP
NE40	10+80.97SE	58.04' RT	482315.59	801820.70	941.87	MATCH
NE41	10+93.65SE	58.01' RT	482327.30	801818.08	942.22	MATCH

REVISED 11/10/2022 MTD

60631225P

CURB RAMP DETAILS: SEGOE ROAD

CITY OF MADISON

60631225P

CR39-W

PLAN REVISION 1

11/10/22 MTD

DATE 11-10-22

BY

MARK

DESIGNED BY: AECOM

DATE: 2022-11-15

Scale: 1 IN=10 FT

60631225P

CITY OF MADISON

CONTRACT NO: 60631225C

60631225P

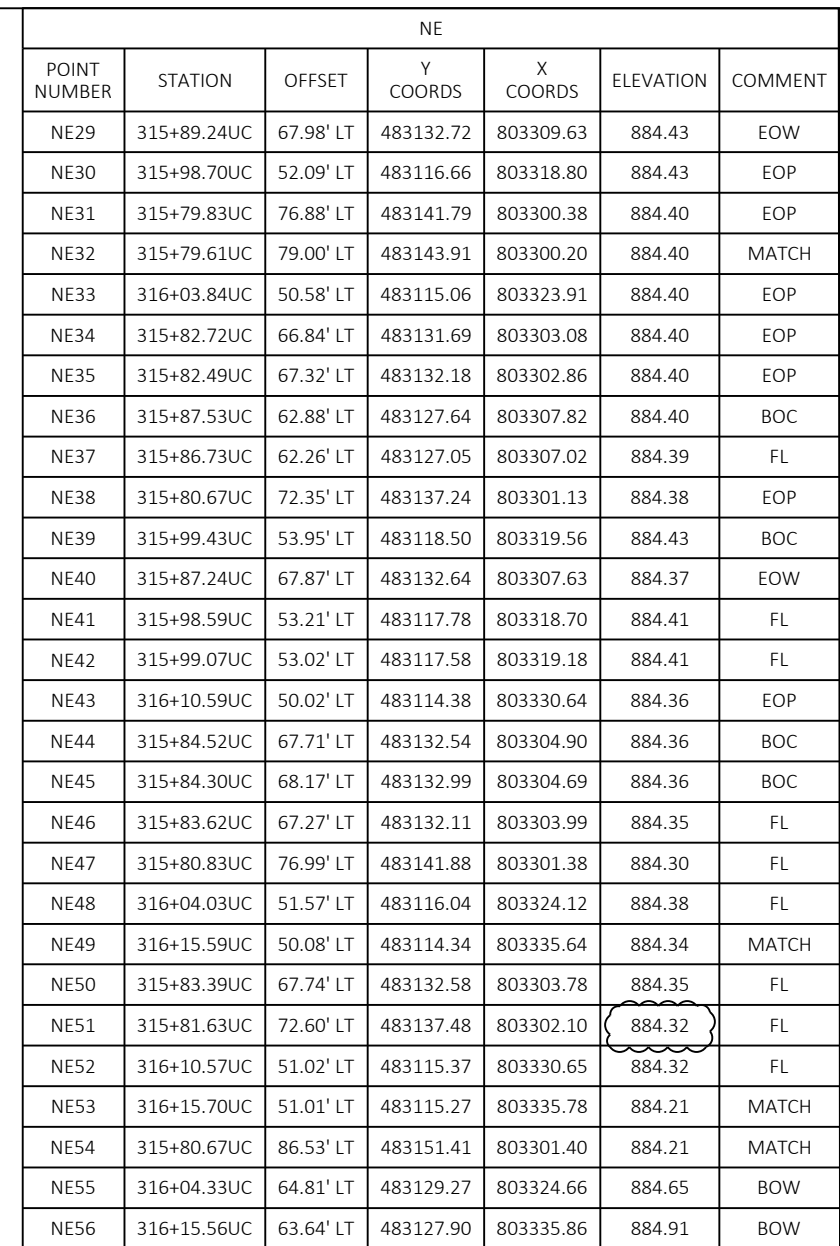
CR39-W

CITY OF MADISON

WISCONSIN

60631225P

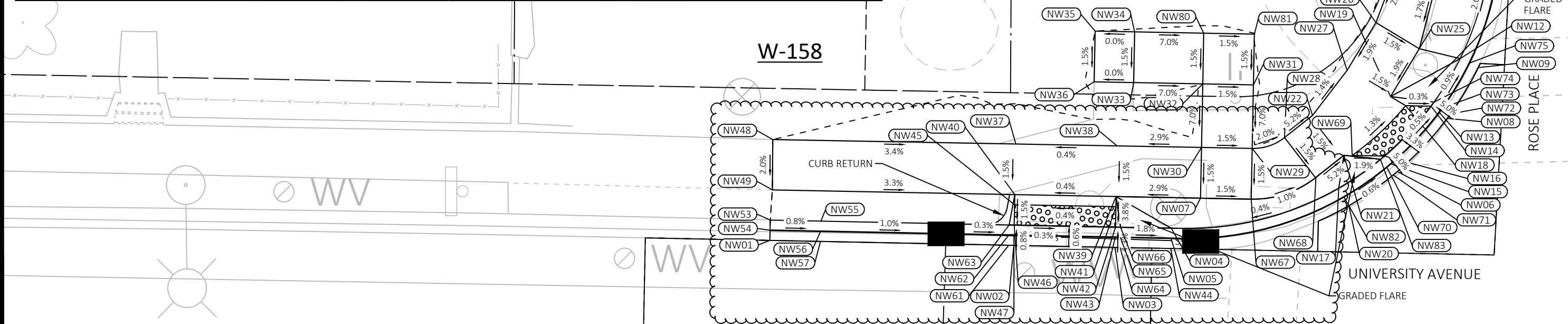
CR39-W





REVISED 11/10/2022 MTD

NW							NW							NW						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT	POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT	POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
NW01	314+43.33UC	49.74' LT	483117.11	803163.41	885.07	MATCH	NW28	314+93.93UC	60.79' LT	483127.24	803214.20	885.05	BOW	NW61	314+66.90UC	49.69' LT	483116.63	803186.98	884.80	EOP
NW02	314+67.40UC	49.69' LT	483116.62	803187.48	884.80	EOP	NW29	314+90.76UC	59.66' LT	483126.17	803211.01	885.12	BOW	NW62	314+66.91UC	50.69' LT	483117.63	803187.00	884.79	FL
NW03	314+77.40UC	49.67' LT	483116.42	803197.48	884.80	EOP	NW30	314+85.76UC	59.66' LT	483126.27	803206.01	885.19	BOW	NW63	314+66.91UC	51.69' LT	483118.63	803187.02	884.80	BOC
NW04	314+82.91UC	51.65' LT	483118.31	803203.02	885.22	BOC	NW31	314+90.77UC	65.92' LT	483132.43	803211.13	885.56	EOW	NW64	314+77.90UC	49.66' LT	483116.41	803197.98	884.80	EOP
NW05	314+82.91UC	50.65' LT	483117.31	803203.00	884.67	FL	NW32	314+85.77UC	65.92' LT	483132.53	803206.13	885.63	EOW	NW65	314+77.91UC	50.66' LT	483117.41	803198.00	884.76	FL
NW06	315+05.13UC	57.64' LT	483123.89	803225.34	884.75	EOP	NW33	314+78.95UC	65.93' LT	483132.66	803199.31	886.11	EOW	NW66	314+77.91UC	51.66' LT	483118.41	803198.02	884.78	BOC
NW07	314+85.75UC	54.66' LT	483121.27	803205.92	885.12	FOW	NW34	314+78.95UC	70.93' LT	483137.66	803199.41	886.18	EOW	NW67	314+90.75UC	54.66' LT	483121.17	803210.92	885.04	FOW
NW08	315+09.95UC	62.97' LT	483129.13	803230.26	884.72	EOP	NW35	314+75.05UC	70.93' LT	483137.73	803195.51	886.18	EOW	NW68	314+97.09UC	56.91' LT	483123.32	803217.30	884.97	FOW
NW09	315+12.93UC	68.02' LT	483134.13	803233.33	884.68	EOP	NW36	314+75.05UC	65.93' LT	483132.73	803195.42	886.11	EOW	NW69	315+00.63UC	59.14' LT	483125.48	803220.87	884.78	FOW
NW10	315+15.96UC	80.48' LT	483146.54	803236.58	884.44	EOP	NW37	314+67.42UC	59.67' LT	483126.61	803187.68	884.91	BOW	NW70	315+04.08UC	58.05' LT	483124.32	803224.30	884.71	FL
NW11	315+13.96UC	80.55' LT	483146.65	803234.58	884.87	BOC	NW38	314+77.42UC	59.67' LT	483126.43	803197.68	884.95	BOW	NW71	315+04.72UC	57.29' LT	483123.55	803224.93	884.76	EOP
NW12	315+11.12UC	68.87' LT	483135.01	803231.53	885.12	BOC	NW39	314+77.41UC	54.67' LT	483121.43	803197.58	884.88	EOW	NW72	315+10.26UC	63.40' LT	483129.56	803230.58	884.71	EOP
NW13	315+09.14UC	63.55' LT	483129.73	803229.46	884.67	FL	NW40	314+67.41UC	54.68' LT	483121.62	803187.58	884.84	EOW	NW73	315+09.44UC	63.97' LT	483130.15	803229.77	884.66	FL
NW14	315+08.33UC	64.13' LT	483130.33	803228.66	884.68	BOC	NW41	314+77.41UC	53.67' LT	483120.42	803197.56	884.86	EOW	NW74	315+08.62UC	64.54' LT	483130.73	803228.96	884.67	BOC
NW15	315+04.47UC	58.39' LT	483124.66	803224.69	884.70	FL	NW42	314+77.41UC	51.67' LT	483118.42	803197.52	884.76	BOC	NW75	315+12.02UC	68.44' LT	483134.57	803232.43	884.62	FL
NW16	315+03.80UC	59.14' LT	483125.42	803224.05	884.71	BOC	NW43	314+77.41UC	50.67' LT	483117.42	803197.50	884.76	FL	NW76	315+14.96UC	80.52' LT	483146.59	803235.58	884.37	FL
NW17	314+99.37UC	55.90' LT	483122.26	803219.55	885.24	BOC	NW44	314+82.90UC	49.65' LT	483116.31	803202.98	884.82	EOP	NW77	315+16.09UC	84.11' LT	483150.16	803236.78	884.41	MATCH
NW18	315+05.82UC	64.14' LT	483130.38	803226.15	884.69	FOW	NW45	314+67.41UC	53.69' LT	483120.62	803187.56	884.82	EOW	NW80	314+85.77UC	70.92' LT	483137.53	803206.23	885.71	EOW
NW19	315+04.31UC	65.01' LT	483131.28	803224.66	884.71	FOW	NW46	314+67.41UC	51.69' LT	483118.62	803187.52	884.79	BOC	NW81	314+90.77UC	70.92' LT	483137.43	803211.23	885.63	EOW
NW20	315+00.39UC	54.18' LT	483120.53	803220.55	884.80	EOP	NW47	314+67.41UC	50.69' LT	483117.62	803187.50	884.79	FL	NW82	314+99.88UC	55.04' LT	483121.39	803220.05	884.74	FL
NW21	314+99.82UC	59.14' LT	483125.49	803220.06	884.79	FOW	NW48	314+43.44UC	59.68' LT	483127.04	803163.70	885.73	MATCH	NW83	315+03.43UC	58.81' LT	483125.10	803223.66	884.72	BOC
NW22	314+96.65UC	63.01' LT	483129.42	803216.97	884.87	BOW	NW49	314+43.48UC	54.71' LT	483122.08	803163.66	885.63	MATCH							
NW23	315+08.82UC	77.06' LT	483143.25	803229.39	884.94	MATCH	NW53	314+43.33UC	51.74' LT	483119.11	803163.45	885.49	MATCH							
NW24	315+04.86UC	78.21' LT	483144.47	803225.44	885.06	MATCH	NW54	314+43.33UC	50.74' LT	483118.11	803163.43	884.99	MATCH							
NW25	315+07.07UC	69.77' LT	483135.99	803227.50	884.81	FOW	NW55	314+48.33UC	51.73' LT	483119.01	803168.45	885.45	BOC							
NW26	315+02.74UC	72.28' LT	483138.57	803223.22	884.89	BOW	NW56	314+48.33UC	50.73' LT	483118.01	803168.43	884.95	FL							
NW27	314+99.98UC	67.51' LT	483133.86	803220.38	884.79	BOW	NW57	314+48.33UC	49.73' LT	483117.01	803168.41	885.01	EOP							



60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

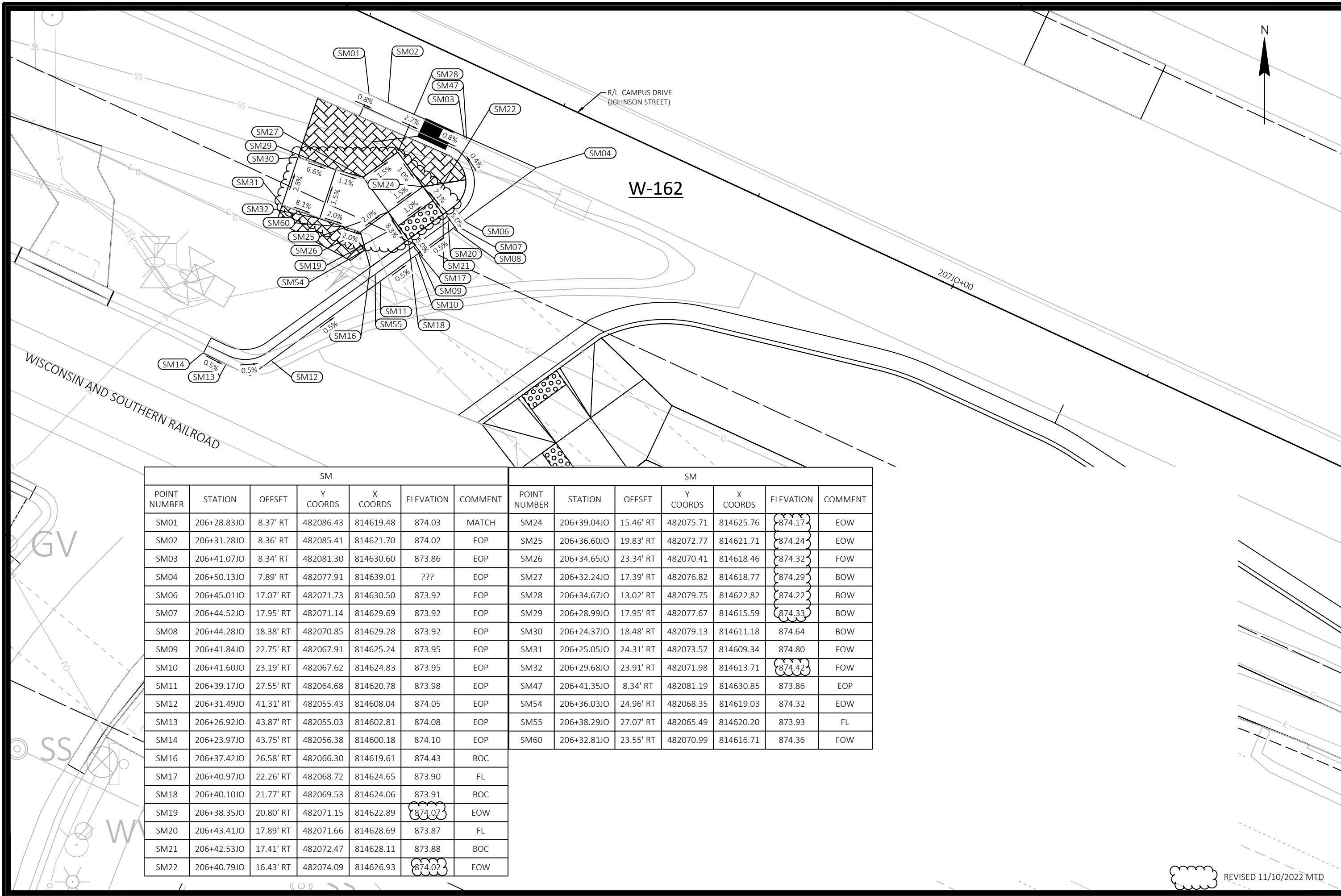
CURB RAMP DETAILS: ROSE PLACE

BUS RAPID TRANSIT

CITY OF MADISON

60631225P
CR48-W





SM							SM						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT	POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
SM01	206+28.83JO	8.37' RT	482086.43	814619.48	874.03	MATCH	SM24	206+39.04JO	15.46' RT	482075.71	814625.76	874.17	EOW
SM02	206+31.28JO	8.36' RT	482085.41	814621.70	874.02	EOP	SM25	206+36.60JO	19.83' RT	482072.77	814621.71	874.24	EOW
SM03	206+41.07JO	8.34' RT	482081.30	814630.60	873.86	EOP	SM26	206+34.65JO	23.34' RT	482070.41	814618.46	874.32	FOW
SM04	206+50.13JO	7.89' RT	482077.91	814639.01	???	EOP	SM27	206+32.24JO	17.39' RT	482076.82	814618.77	874.29	BOW
SM06	206+45.01JO	17.07' RT	482071.73	814630.50	873.92	EOP	SM28	206+34.67JO	13.02' RT	482079.75	814622.82	874.22	BOW
SM07	206+44.52JO	17.95' RT	482071.14	814629.69	873.92	EOP	SM29	206+28.99JO	17.95' RT	482077.67	814615.59	874.33	BOW
SM08	206+44.28JO	18.38' RT	482070.85	814629.28	873.92	EOP	SM30	206+24.37JO	18.48' RT	482079.13	814611.18	874.64	BOW
SM09	206+41.84JO	22.75' RT	482067.91	814625.24	873.95	EOP	SM31	206+25.05JO	24.31' RT	482073.57	814609.34	874.80	FOW
SM10	206+41.60JO	23.19' RT	482067.62	814624.83	873.95	EOP	SM32	206+29.68JO	23.91' RT	482071.98	814613.71	874.42	FOW
SM11	206+39.17JO	27.55' RT	482064.68	814620.78	873.98	EOP	SM47	206+41.35JO	8.34' RT	482081.19	814630.85	873.86	EOP
SM12	206+31.49JO	41.31' RT	482055.43	814608.04	874.05	EOP	SM54	206+36.03JO	24.96' RT	482068.35	814619.03	874.32	EOW
SM13	206+26.92JO	43.87' RT	482055.03	814602.81	874.08	EOP	SM55	206+38.29JO	27.07' RT	482065.49	814620.20	873.93	FL
SM14	206+23.97JO	43.75' RT	482056.38	814600.18	874.10	EOP	SM60	206+32.81JO	23.55' RT	482070.99	814616.71	874.36	FOW
SM16	206+37.42JO	26.58' RT	482066.30	814619.61	874.43	BOC							
SM17	206+40.97JO	22.26' RT	482068.72	814624.65	873.90	FL							
SM18	206+40.10JO	21.77' RT	482069.53	814624.06	873.91	BOC							
SM19	206+38.35JO	20.80' RT	482071.15	814622.89	874.07	EOW							
SM20	206+43.41JO	17.89' RT	482071.66	814628.69	873.87	FL							
SM21	206+42.53JO	17.41' RT	482072.47	814628.11	873.88	BOC							
SM22	206+40.79JO	16.43' RT	482074.09	814626.93	874.02	EOW							

REVISED 11/10/2022 MTD

60631225P

CURB RAMP DETAILS: CAMPUS DRIVE AND RANDALL AVE

60631225P

CR52-W

CITY OF MADISON

BUS RAPID TRANSIT

CITY OF MADISON, DANE COUNTY, WI

60631225P

CONTRACT NO: 60631225C

PLAN REVISION 1

11/10/22

MTD

REVISION

DATE

BR

MARK

Designed By: AECOM

Date: 2023-03-14

60631225P

60631225P

CR52-W

60631225P

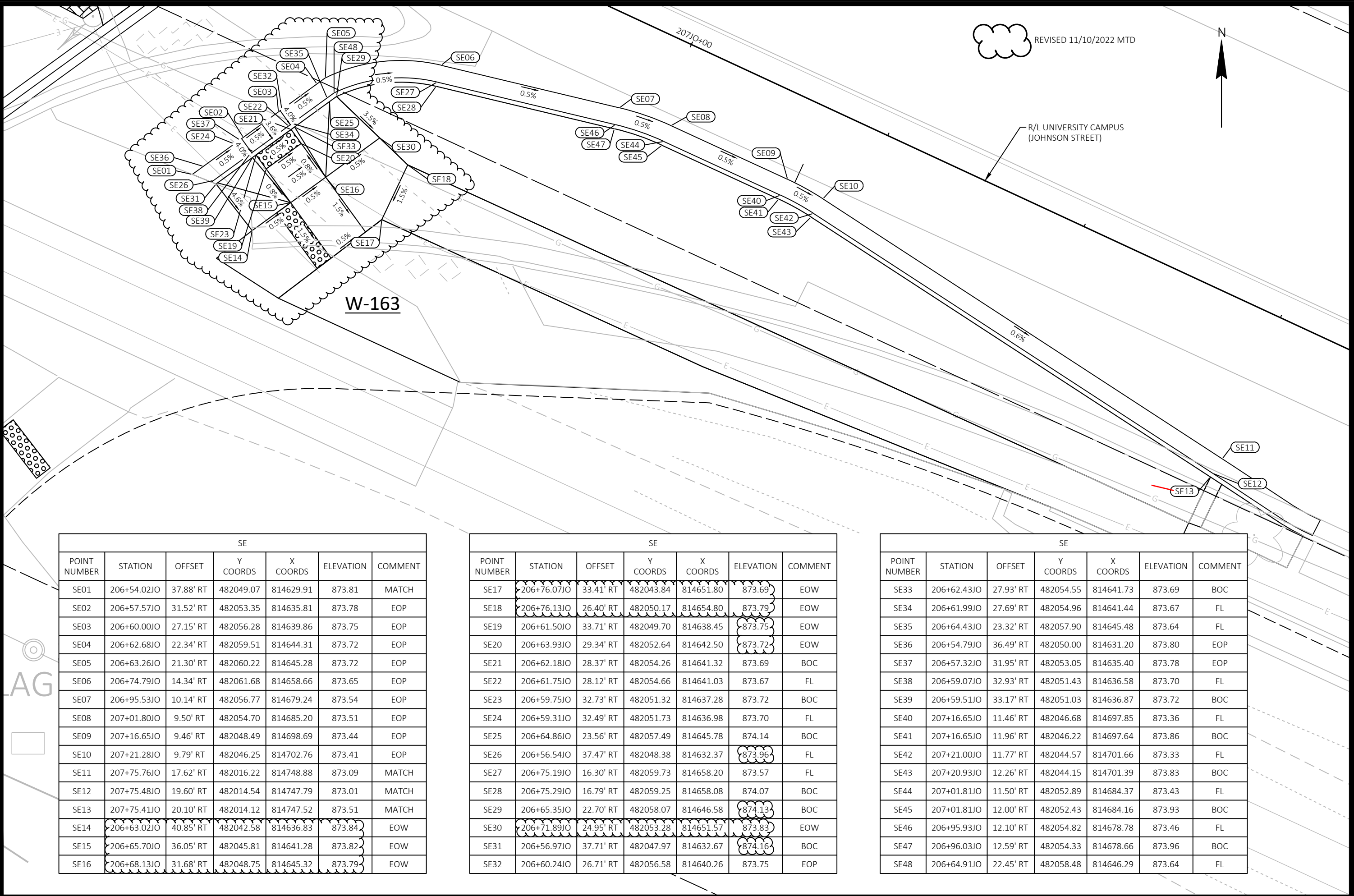
CONTRACT NO: 60631225C

60631225P

CONTRACT NO: 60631225C

60631225P

CONTRACT NO: 60631225C



SE						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
SE01	206+54.02JO	37.88' RT	482049.07	814629.91	873.81	MATCH
SE02	206+57.57JO	31.52' RT	482053.35	814635.81	873.78	EOP
SE03	206+60.00JO	27.15' RT	482056.28	814639.86	873.75	EOP
SE04	206+62.68JO	22.34' RT	482059.51	814644.31	873.72	EOP
SE05	206+63.26JO	21.30' RT	482060.22	814645.28	873.72	EOP
SE06	206+74.79JO	14.34' RT	482061.68	814658.66	873.65	EOP
SE07	206+95.53JO	10.14' RT	482056.77	814679.24	873.54	EOP
SE08	207+01.80JO	9.50' RT	482054.70	814685.20	873.51	EOP
SE09	207+16.65JO	9.46' RT	482048.49	814698.69	873.44	EOP
SE10	207+21.28JO	9.79' RT	482046.25	814702.76	873.41	EOP
SE11	207+75.76JO	17.62' RT	482016.22	814748.88	873.09	MATCH
SE12	207+75.48JO	19.60' RT	482014.54	814747.79	873.01	MATCH
SE13	207+75.41JO	20.10' RT	482014.12	814747.52	873.51	MATCH
SE14	206+63.02JO	40.85' RT	482042.58	814636.83	873.84	EOW
SE15	206+65.70JO	36.05' RT	482045.81	814641.28	873.82	EOW
SE16	206+68.13JO	31.68' RT	482048.75	814645.32	873.79	EOW

SE						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
SE17	206+76.07JO	33.41' RT	482043.84	814651.80	873.69	EOW
SE18	206+76.13JO	26.40' RT	482050.17	814654.80	873.79	EOW
SE19	206+61.50JO	33.71' RT	482049.70	814638.45	873.75	EOW
SE20	206+63.93JO	29.34' RT	482052.64	814642.50	873.72	EOW
SE21	206+62.18JO	28.37' RT	482054.26	814641.32	873.69	BOC
SE22	206+61.75JO	28.12' RT	482054.66	814641.03	873.67	FL
SE23	206+59.75JO	32.73' RT	482051.32	814637.28	873.72	BOC
SE24	206+59.31JO	32.49' RT	482051.73	814636.98	873.70	FL
SE25	206+64.86JO	23.56' RT	482057.49	814645.78	874.14	BOC
SE26	206+56.54JO	37.47' RT	482048.38	814632.37	873.96	FL
SE27	206+75.19JO	16.30' RT	482059.73	814658.20	873.57	FL
SE28	206+75.29JO	16.79' RT	482059.25	814658.08	874.07	BOC
SE29	206+65.35JO	22.70' RT	482058.07	814646.58	874.13	BOC
SE30	206+71.89JO	24.95' RT	482053.28	814651.57	873.83	EOW
SE31	206+56.97JO	37.71' RT	482047.97	814632.67	874.16	BOC
SE32	206+60.24JO	26.71' RT	482056.58	814640.26	873.75	EOP

SE						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
SE33	206+62.43JO	27.93' RT	482054.55	814641.73	873.69	BOC
SE34	206+61.99JO	27.69' RT	482054.96	814641.44	873.67	FL
SE35	206+64.43JO	23.32' RT	482057.90	814645.48	873.64	FL
SE36	206+54.79JO	36.49' RT	482050.00	814631.20	873.80	EOP
SE37	206+57.32JO	31.95' RT	482053.05	814635.40	873.78	EOP
SE38	206+59.07JO	32.93' RT	482051.43	814636.58	873.70	FL
SE39	206+59.51JO	33.17' RT	482051.03	814636.87	873.72	BOC
SE40	207+16.65JO	11.46' RT	482046.68	814697.85	873.36	FL
SE41	207+16.65JO	11.96' RT	482046.22	814697.64	873.86	BOC
SE42	207+21.00JO	11.77' RT	482044.57	814701.66	873.33	FL
SE43	207+20.93JO	12.26' RT	482044.15	814701.39	873.83	BOC
SE44	207+01.81JO	11.50' RT	482052.89	814684.37	873.43	FL
SE45	207+01.81JO	12.00' RT	482052.43	814684.16	873.93	BOC
SE46	206+95.93JO	12.10' RT	482054.82	814678.78	873.46	FL
SE47	206+96.03JO	12.59' RT	482054.33	814678.66	873.96	BOC
SE48	206+64.91JO	22.45' RT	482058.48	814646.29	873.64	FL

60631225P

CITY OF MADISON

CR53-W

CURB RAMP DETAILS: CAMPUS DRIVE AND RANDALL AVE

BUS RAPID TRANSIT

60631225C

PLAN REVISION 1

11/10/22

DATE

BR

REVISION

2023-03-14

Scale: 1 IN=10 FT

MARK

Designed By: AECOM

60631225P

REVISOR

11/10/22

DATE

BR

REVISION

2023-03-14

Scale: 1 IN=10 FT

MARK

Designed By: AECOM

60631225P

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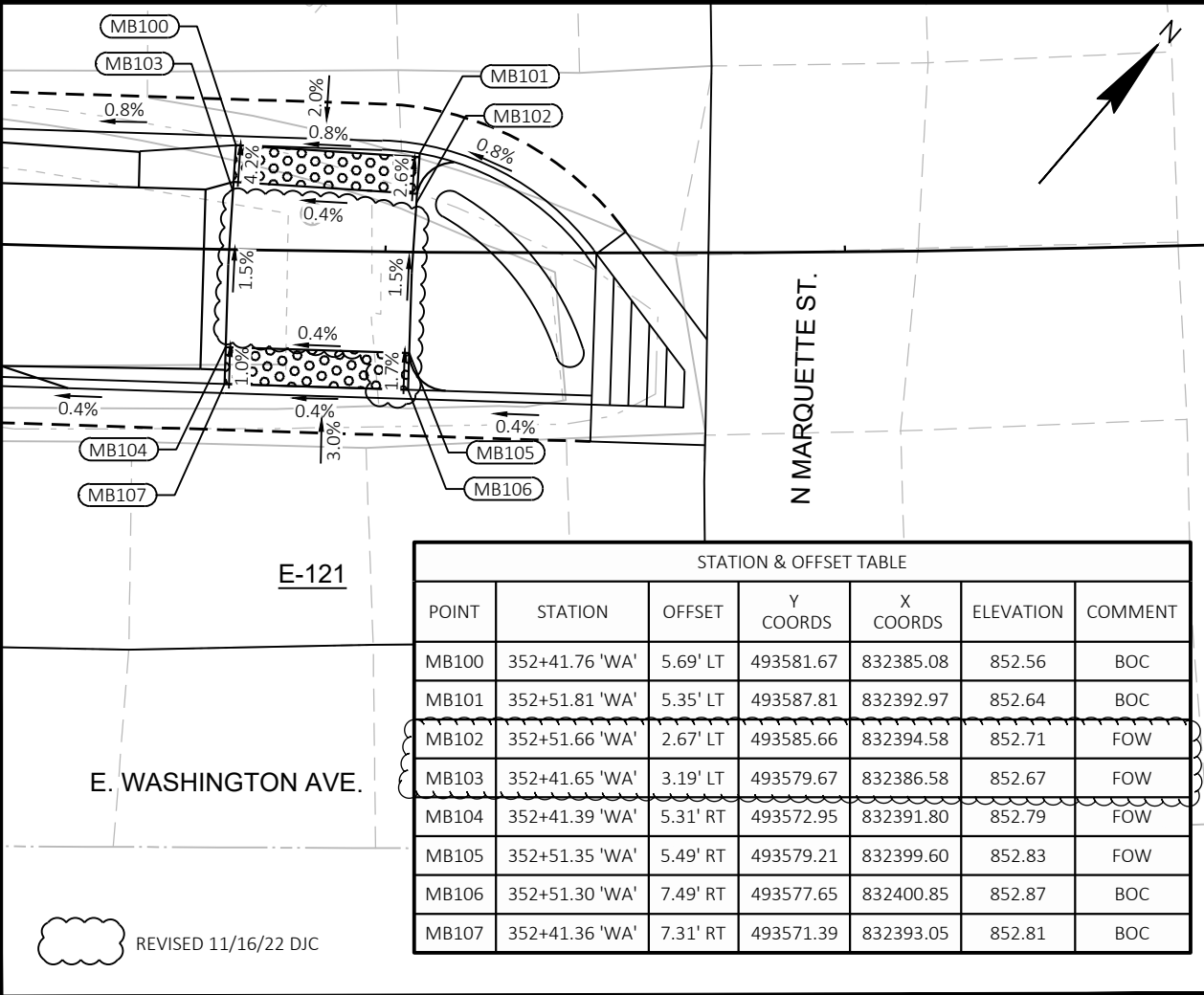
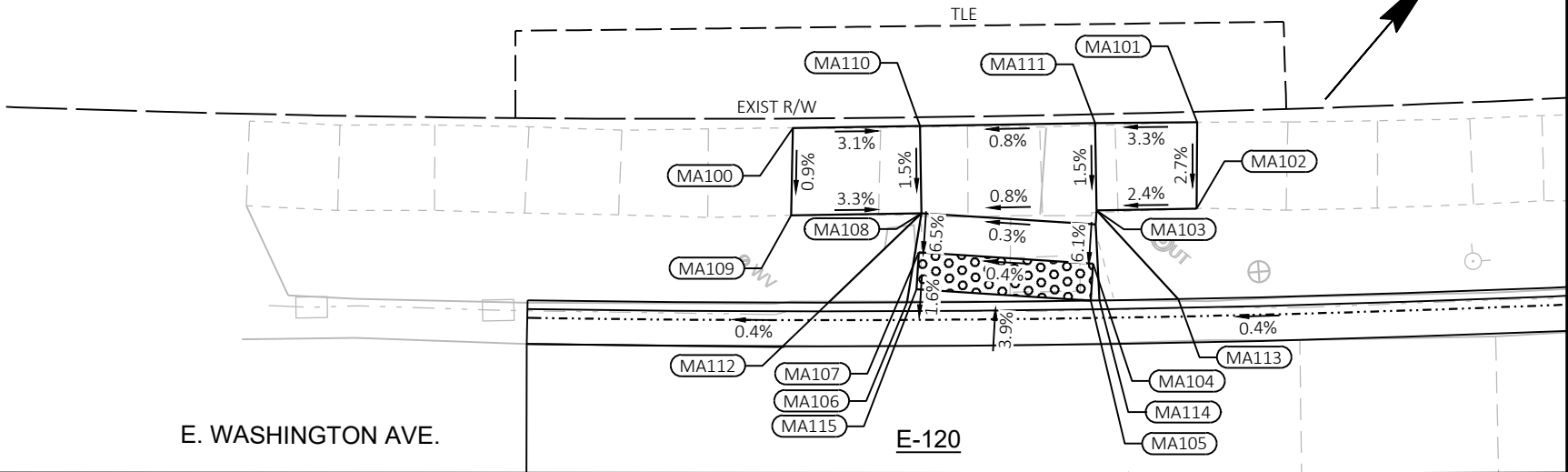
2023-03-14

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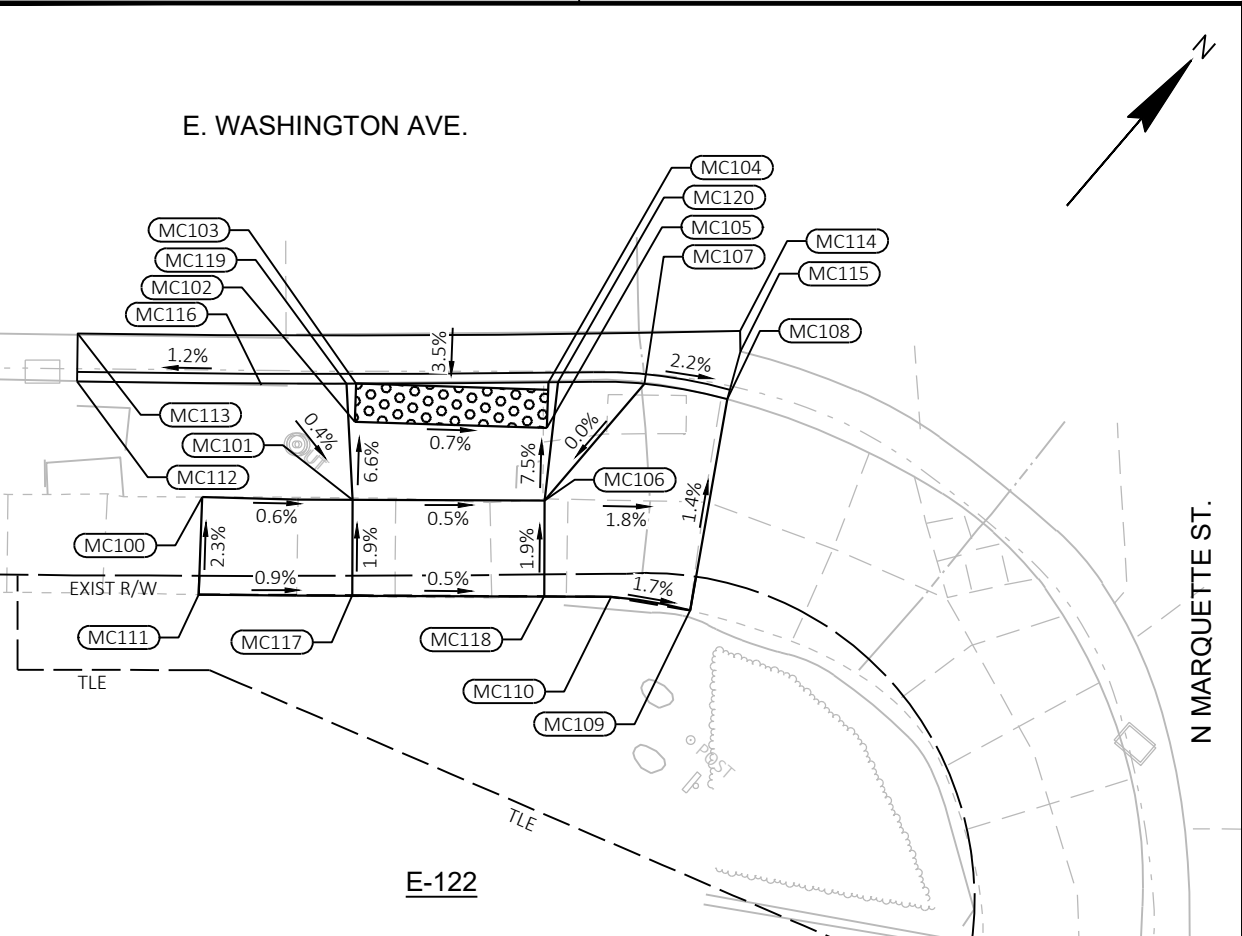
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STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MA100	352+36.66 'WA'	65.91' LT	493625.03	832343.00	852.68	MATCH
MA101	352+61.17 'WA'	66.50' LT	493640.34	832360.39	852.74	MATCH
MA102	352+61.15 'WA'	61.55' LT	493636.56	832363.59	852.60	MATCH
MA103	352+55.11 'WA'	61.43' LT	493632.77	832359.29	852.47	FOW
MA104	352+54.92 'WA'	58.38' LT	493630.32	832361.13	852.28	FOW
MA105	352+54.79 'WA'	56.26' LT	493628.62	832362.40	852.15	BOC
MA106	352+43.75 'WA'	56.04' LT	493621.69	832354.47	852.09	BOC
MA107	352+44.42 'WA'	58.92' LT	493624.32	832353.12	852.24	FOW

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MA108	352+44.54 'WA'	61.17' LT	493626.12	832351.78	852.38	FOW
MA109	352+36.67 'WA'	60.91' LT	493621.17	832346.18	852.63	MATCH
MA110	352+44.37 'WA'	66.16' LT	493629.87	832348.47	852.46	BOW
MA111	352+54.99 'WA'	66.43' LT	493636.51	832355.98	852.54	BOW
MA112	352+39.02 'WA'	55.95' LT	493618.75	832351.06	852.47	BOC
MA113	352+60.05 'WA'	56.37' LT	493631.95	832366.15	852.53	BOC
MA114	352+55.32 'WA'	56.27' LT	493628.95	832362.78	852.16	BOC
MA115	352+44.31 'WA'	56.80' LT	493622.62	832354.40	852.10	FOW



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MB100	352+41.76 'WA'	5.69' LT	493581.67	832385.08	852.56	BOC
MB101	352+51.81 'WA'	5.35' LT	493587.81	832392.97	852.64	BOC
MB102	352+51.66 'WA'	2.67' LT	493585.66	832394.58	852.71	FOW
MB103	352+41.65 'WA'	3.19' LT	493579.67	832386.58	852.67	FOW
MB104	352+41.39 'WA'	5.31' RT	493572.95	832391.80	852.79	FOW
MB105	352+51.35 'WA'	5.49' RT	493579.21	832399.60	852.83	FOW
MB106	352+51.30 'WA'	7.49' RT	493577.65	832400.85	852.87	BOC
MB107	352+41.36 'WA'	7.31' RT	493571.39	832393.05	852.81	BOC



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MC100	352+33.15 'WA'	67.27' RT	493519.65	832424.51	852.87	MATCH
MC101	352+40.56 'WA'	67.25' RT	493524.63	832430.55	852.82	FOW
MC102	352+40.62 'WA'	63.19' RT	493527.79	832428.01	852.55	FOW
MC103	352+40.64 'WA'	61.19' RT	493529.35	832426.76	852.42	BOC
MC104	352+50.16 'WA'	60.98' RT	493535.91	832434.32	852.33	BOC
MC105	352+50.11 'WA'	63.36' RT	493534.05	832435.81	852.49	FOW
MC106	352+50.04 'WA'	67.14' RT	493531.10	832438.18	852.77	FOW
MC107	352+54.93 'WA'	61.02' RT	493539.11	832438.18	852.77	BOC
MC108	352+59.03 'WA'	61.80' RT	493541.30	832441.97	852.58	BOC
MC109	352+57.24 'WA'	72.81' RT	493531.68	832447.65	852.73	MATCH
MC110	352+53.36 'WA'	72.12' RT	493529.55	832444.07	852.80	BOW

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MC111	352+33.10 'WA'	72.35' RT	493515.67	832427.67	852.98	MATCH
MC112	352+26.81 'WA'	61.43' RT	493519.98	832415.64	852.75	BOC
MC113	352+26.78 'WA'	58.93' RT	493521.91	832414.05	852.41	EOP
MC114	352+59.66 'WA'	58.24' RT	493544.44	832440.17	852.56	EOP
MC115	352+59.67 'WA'	59.30' RT	493543.64	832440.87	852.44	EOP
MC116	352+35.95 'WA'	61.36' RT	493526.09	832423.06	852.85	BOC
MC117	352+40.63 'WA'	72.22' RT	493520.84	832433.77	852.91	BOW
MC118	352+50.07 'WA'	72.12' RT	493527.31	832441.40	852.86	BOW
MC119	352+40.16 'WA'	61.20' RT	493529.03	832426.38	852.43	BOC
MC120	352+50.64 'WA'	60.97' RT	493536.24	832434.70	852.33	BOC

60631225P

CITY OF MADISON

CR11-E

CURB RAMP DETAILS

BUS RAPID TRANSIT

CITY OF MADISON

11/16/22

1

PLAN REVISION 1

DATE

BY

REVISION

Designed By: AECOM

Date: 2023-02-28

Scale: 1" = 10 FT

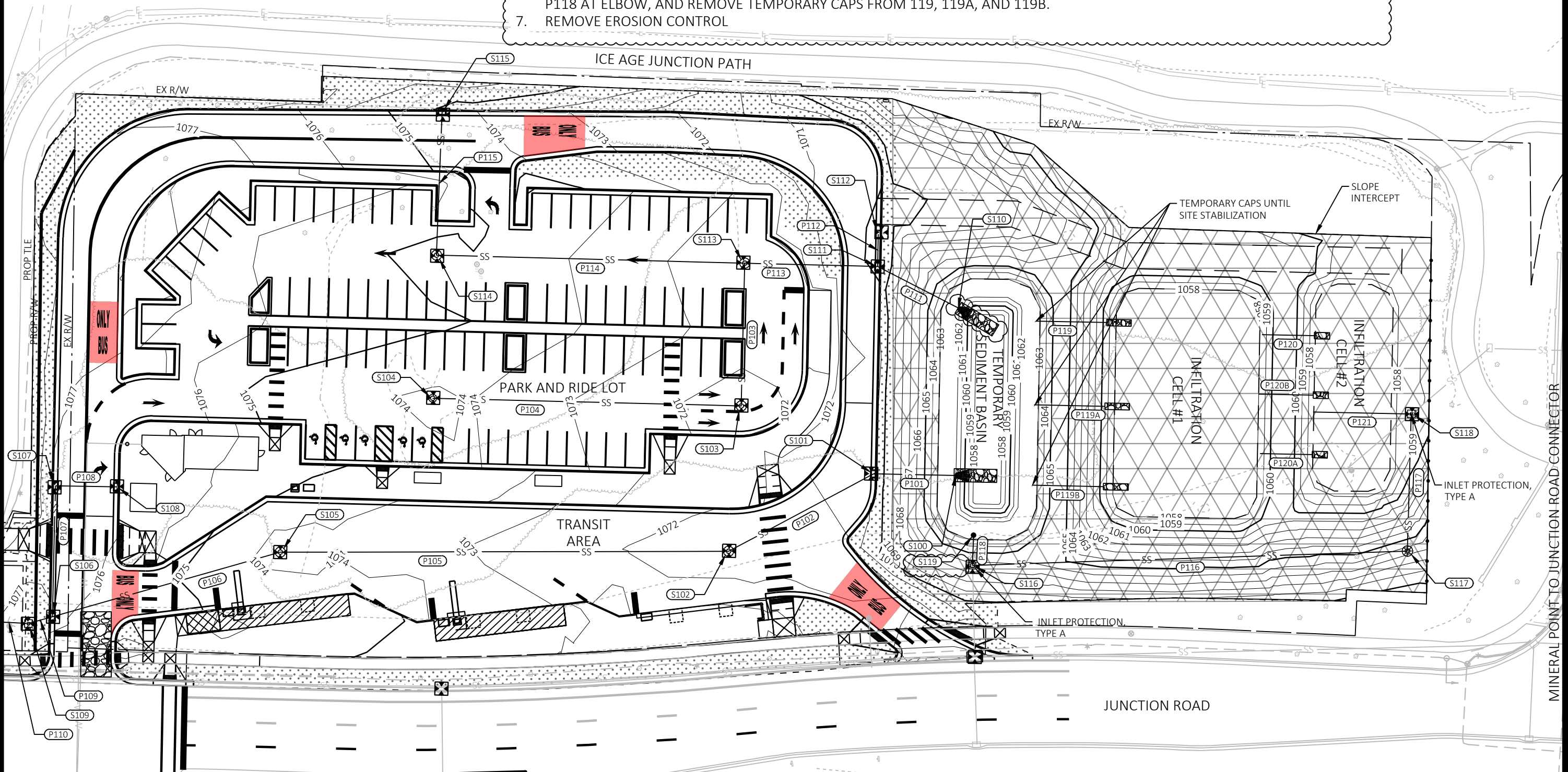
60631225P

60631225C

CONTRACT NO:

WESTERN TERMINAL CONSTRUCTION SEQUENCING

1. INSTALL TRACKING PAD
2. INSTALL SILT FENCING AND INSTALL INLET PROTECTION
3. INSTALL S116, S117, S118, S119, AND RELATED STORM PIPES
4. CONSTRUCT TEMPORARY SEDIMENT BASIN TO PROPOSED WET POND LIMITS INCLUDING CLAY CORE BERM UP TO INFILTRATION CELL #1 AS SHOWN ON SHEET G-0WC. INSTALL P119, P119A, AND P119B WITH TEMPORARY CAPS ON UPSTREAM END.
5. ONCE TEMPORARY SEDIMENT BASIN IS OPERATIONAL, CONSTRUCT PARKING LOT AND INFILTRATION CELLS
6. AFTER SITE STABILIZATION, DREDGE TEMPORARY SEDIMENT BASIN TO PROPOSED WET POND LIMITS, REMOVE S119 AND CAP 15" P118 AT ELBOW, AND REMOVE TEMPORARY CAPS FROM 119, 119A, AND 119B.
7. REMOVE EROSION CONTROL



EROSION CONTROL LEGEND

- SILT FENCE
- ▤ EROSION MAT URBAN CLASS I TYPE B
- ⊗ INLET PROTECTION, TYPE D - COMPLETE (UNLESS OTHERWISE NOTED)
- ▨ TRACKING PAD AND RIPRAP

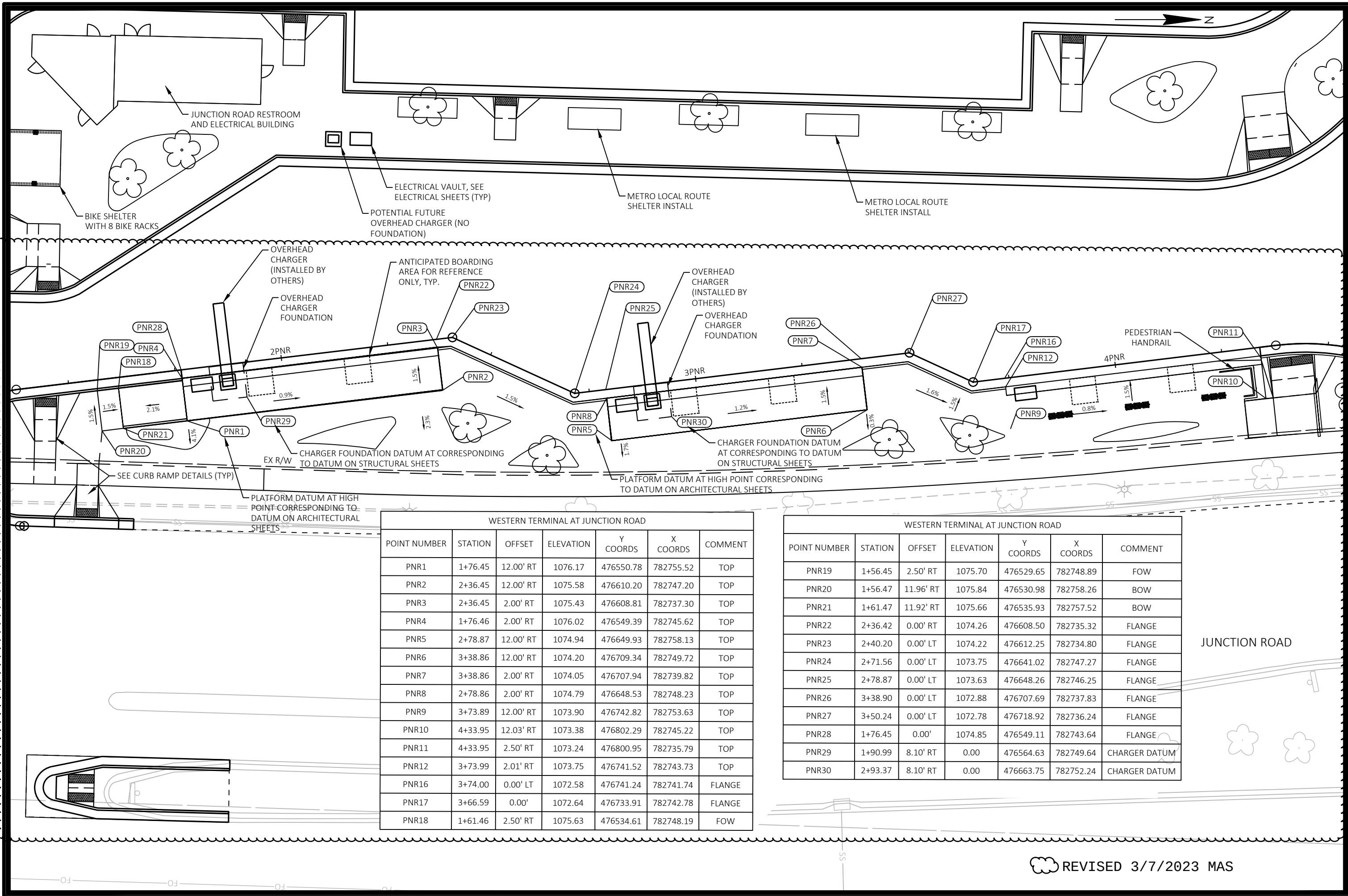
EROSION CONTROL: WESTERN TERMINAL
BUS RAPID TRANSIT
CITY OF MADISON

60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C



60631225P
R-0WB

REVISED 01/06/2023 VTC



WESTERN TERMINAL AT JUNCTION ROAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	Y COORDS	X COORDS	COMMENT
PNR1	1+76.45	12.00' RT	1076.17	476550.78	782755.52	TOP
PNR2	2+36.45	12.00' RT	1075.58	476610.20	782747.20	TOP
PNR3	2+36.45	2.00' RT	1075.43	476608.81	782737.30	TOP
PNR4	1+76.46	2.00' RT	1076.02	476549.39	782745.62	TOP
PNR5	2+78.87	12.00' RT	1074.94	476649.93	782758.13	TOP
PNR6	3+38.86	12.00' RT	1074.20	476709.34	782749.72	TOP
PNR7	3+38.86	2.00' RT	1074.05	476707.94	782739.82	TOP
PNR8	2+78.86	2.00' RT	1074.79	476648.53	782748.23	TOP
PNR9	3+73.89	12.00' RT	1073.90	476742.82	782753.63	TOP
PNR10	4+33.95	12.03' RT	1073.38	476802.29	782745.22	TOP
PNR11	4+33.95	2.50' RT	1073.24	476800.95	782735.79	TOP
PNR12	3+73.99	2.01' RT	1073.75	476741.52	782743.73	TOP
PNR16	3+74.00	0.00' LT	1072.58	476741.24	782741.74	FLANGE
PNR17	3+66.59	0.00'	1072.64	476733.91	782742.78	FLANGE
PNR18	1+61.46	2.50' RT	1075.63	476534.61	782748.19	FOW

WESTERN TERMINAL AT JUNCTION ROAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	Y COORDS	X COORDS	COMMENT
PNR19	1+56.45	2.50' RT	1075.70	476529.65	782748.89	FOW
PNR20	1+56.47	11.96' RT	1075.84	476530.98	782758.26	BOW
PNR21	1+61.47	11.92' RT	1075.66	476535.93	782757.52	BOW
PNR22	2+36.42	0.00' RT	1074.26	476608.50	782735.32	FLANGE
PNR23	2+40.20	0.00' LT	1074.22	476612.25	782734.80	FLANGE
PNR24	2+71.56	0.00' LT	1073.75	476641.02	782747.27	FLANGE
PNR25	2+78.87	0.00' LT	1073.63	476648.26	782746.25	FLANGE
PNR26	3+38.90	0.00' LT	1072.88	476707.69	782737.83	FLANGE
PNR27	3+50.24	0.00' LT	1072.78	476718.92	782736.24	FLANGE
PNR28	1+76.45	0.00'	1074.85	476549.11	782743.64	FLANGE
PNR29	1+90.99	8.10' RT	0.00	476564.63	782749.64	CHARGER DATUM
PNR30	2+93.37	8.10' RT	0.00	476663.75	782752.24	CHARGER DATUM

REVISED 3/7/2023 MAS

60631225P

GRADING PLAN: WESTERN TERMINAL STATION PLATFORMS

FILE NAME : C:\PWORKING\AECOM_DS20_NA_2019\MICHAEL SCHNEIDER2@AECOM.COM\DM586348\050200C-GD.DWG
LAYOUT NAME - Plan 1 IN 50 FT
LAST PLOT DATE - 2023-03-12

60631225P

G-0W

3/7/2023 MAS
DATE
BR

PLAN REVISION 1
REVISION

Designed By: AECOM
60631225P

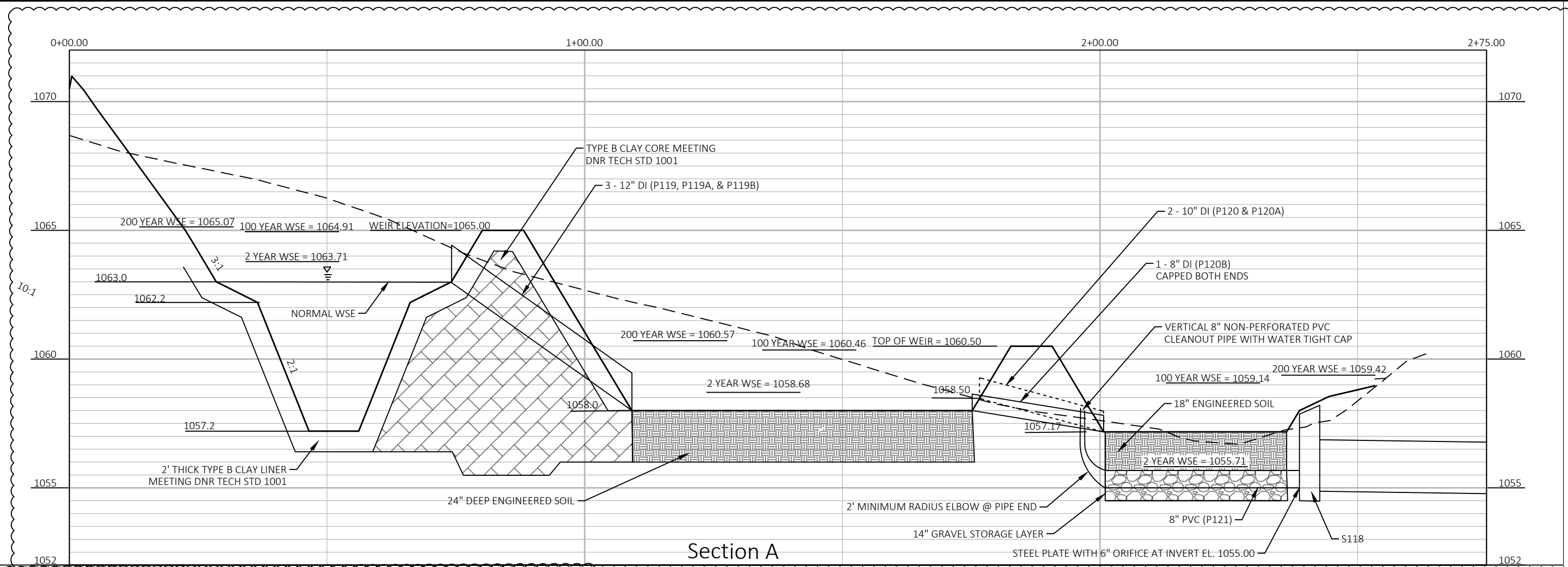
60631225P

CITY OF MADISON, DANE COUNTY, WI

BUS RAPID TRANSIT

CITY OF MADISON

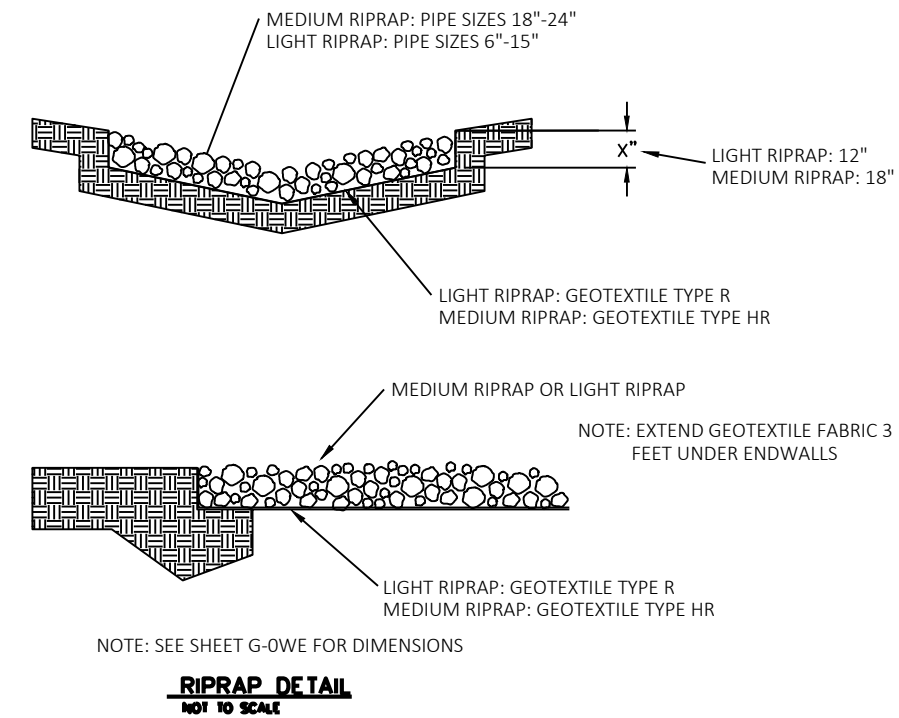
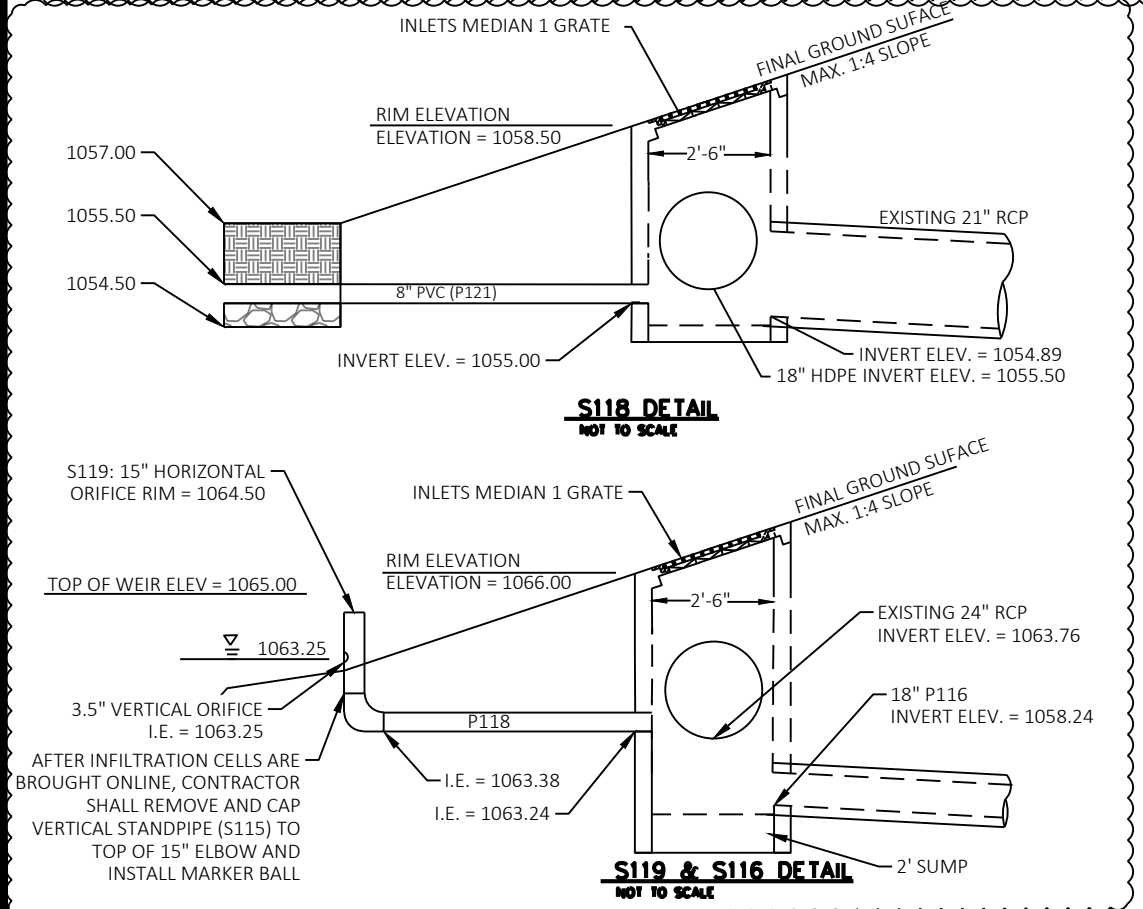
CONTRACT NO: 60631225C



Section A

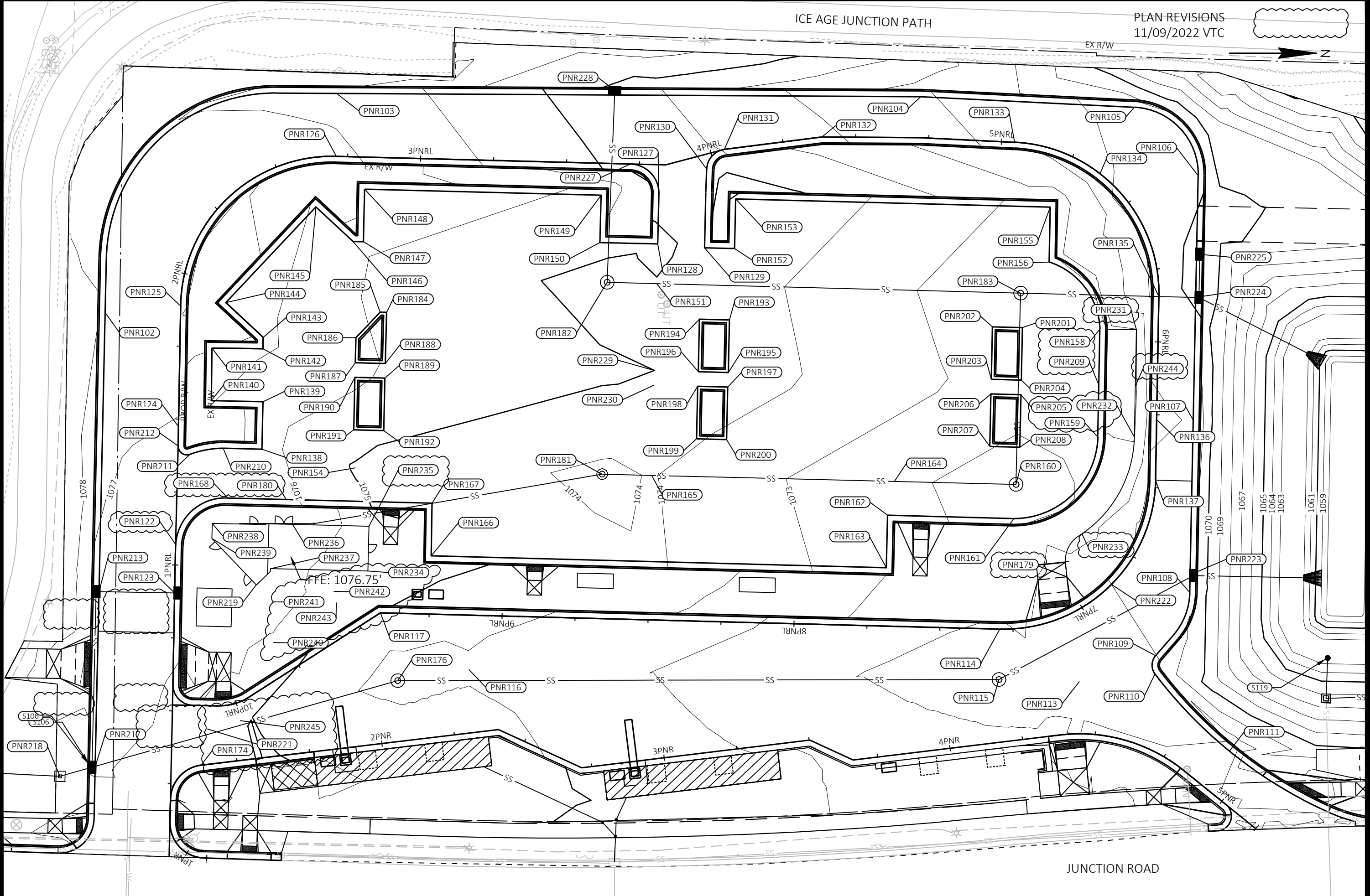
NOTES:

1. CONTRACTOR TO EXCAVATE INFILTRATION CELL 1 TO THE GRAVELLY SAND NATIVE SOIL LAYER FOR THE INFILTRATION 1 CELL BOTTOM (ASSUMED TO BE AT 1059.0 AND 1052.5 PER GEOTECHNICAL REPORT TEST PIT-1 AND TEST PIT-2 RESPECTIVELY). INSTALL SAND OR WASHED STONE FROM GRAVELLY LOAM LAYER UP TO 1056.0. GEOTECHNICAL ENGINEER REQUIRED TO BE ON SITE TO MAKE DETERMINATION ON EXISTING AND FILL SOILS.
2. CONTRACTOR TO EXCAVATE INFILTRATION CELL 2 TO THE SILTY CLAY LOAM NATIVE SOIL LAYER FOR THE INFILTRATION 2 CELL BOTTOM (ASSUMED TO BE AT 1055.1 AND 1054.2 PER GEOTECHNICAL REPORT TEST PIT-3 AND TEST PIT-4 RESPECTIVELY). INSTALL SAND OR WASHED STONE FROM GRAVELLY LOAM LAYER UP TO 1054.5. GEOTECHNICAL ENGINEER REQUIRED TO BE ON SITE TO MAKE DETERMINATION ON EXISTING AND FILL SOILS.
3. CONTRACTOR SHALL INSTALL 3M ELECTRONIC MARKER SYSTEM (EMS) 4" EXTENDED RANGE 5' BALL MARKERS-WASTWATER (MODEL #1404-XR) FOR EAST STORM SEWER LATERAL. THE STORM SEWER ELECTRONIC MARKERS SHALL BE PROVIDED WHERE NON-METALLIC STORM SEWER PIPE IS INSTALLED IN THE PUBLIC RIGHT OF WAY, AND WHERE NO ACCESS OR INLET STRUCTURES ARE AVAILABLE ON THE SURFACE TO ALLOW THE PIPE TO BE VISUALLY LOCATED. CITY SHALL SUPPLY ALL THE REQUIRED MARKERS TO THE CONTRACTOR (GENERALLY REQUIRES 2 PER LATERAL) AND THE CONTRACTOR SHALL INSTALL THEM PER THE MANUFACTURER'S REQUIREMENTS OR AS DIRECTED BY THE CITY ENGINEER. ANY ALTERNATIVES MUST BE APPROVED IN ADVANCE BY THE CITY ENGINEER.



REVISED 01/26/2023 VTC

60631225P		CITY OF MADISON		60631225P	
GRADING AND DRAINAGE PLAN: WESTERN TERMINAL		BUS RAPID TRANSIT		G-0WC	
CITY OF MADISON, DANE COUNTY, WI		CONTRACT NO: 60631225C			
PLAN REVISION 1	01/26/23	VTC	DATE	BY	Scale: 1 IN:20 FT
ADDENDUM 1	11/03/23	VTC	REVISION		
Designed By: AECOM			Date: 2023-03-03		
60631225P					



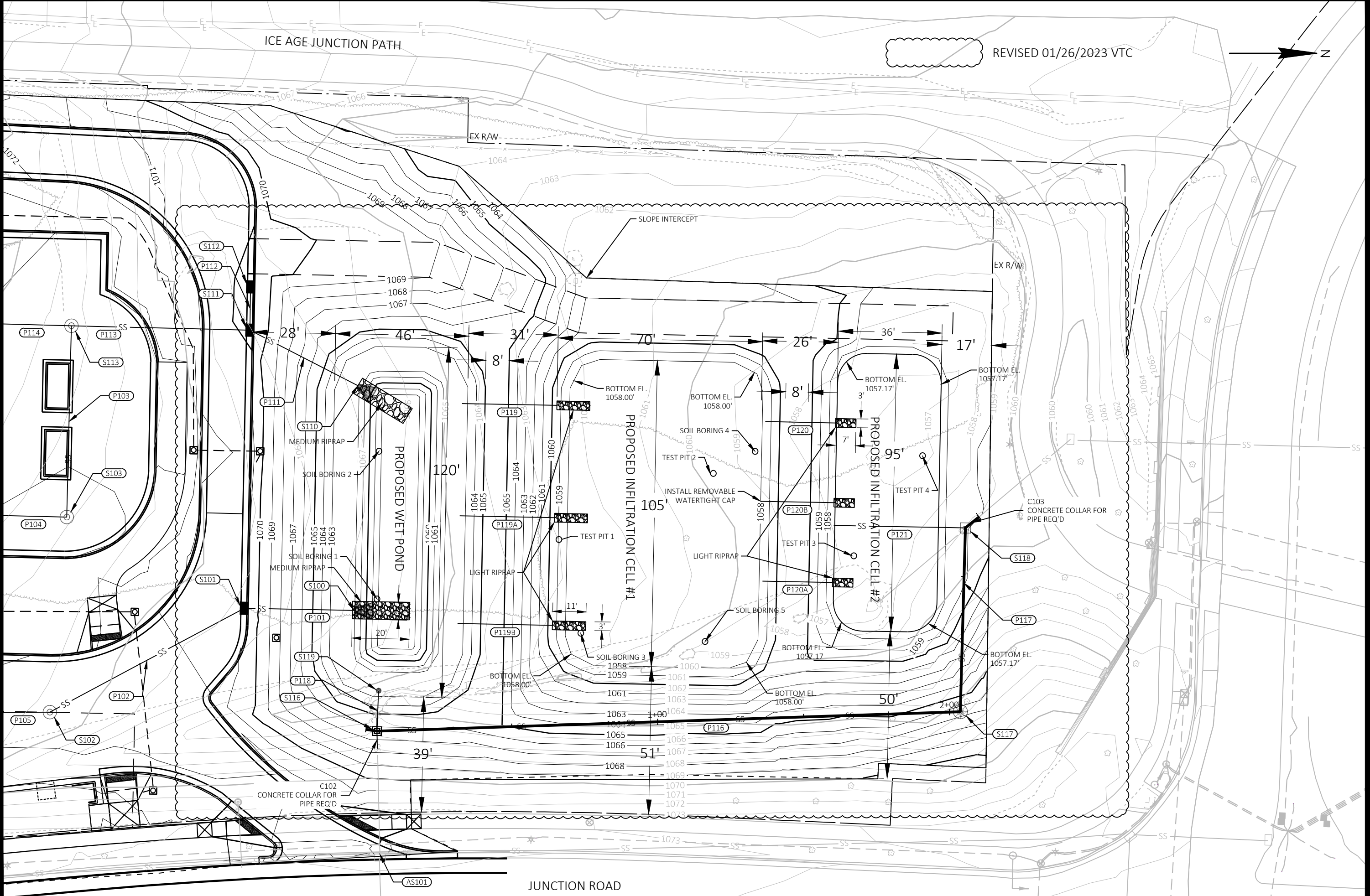
PLAN REVISIONS
11/09/2022 VTC

MARK	REVISION	DATE	BY
	PLAN REVISIONS 1	11/09/22	VTC
	REVISION	2023-03-13	
Designed By: AECOM Date: 2023-03-13			
60631225P			

60631225P
CITY OF MADISON
BUS RAPID TRANSIT
GRADING AND DRAINAGE PLAN: WESTERN TERMINAL
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C

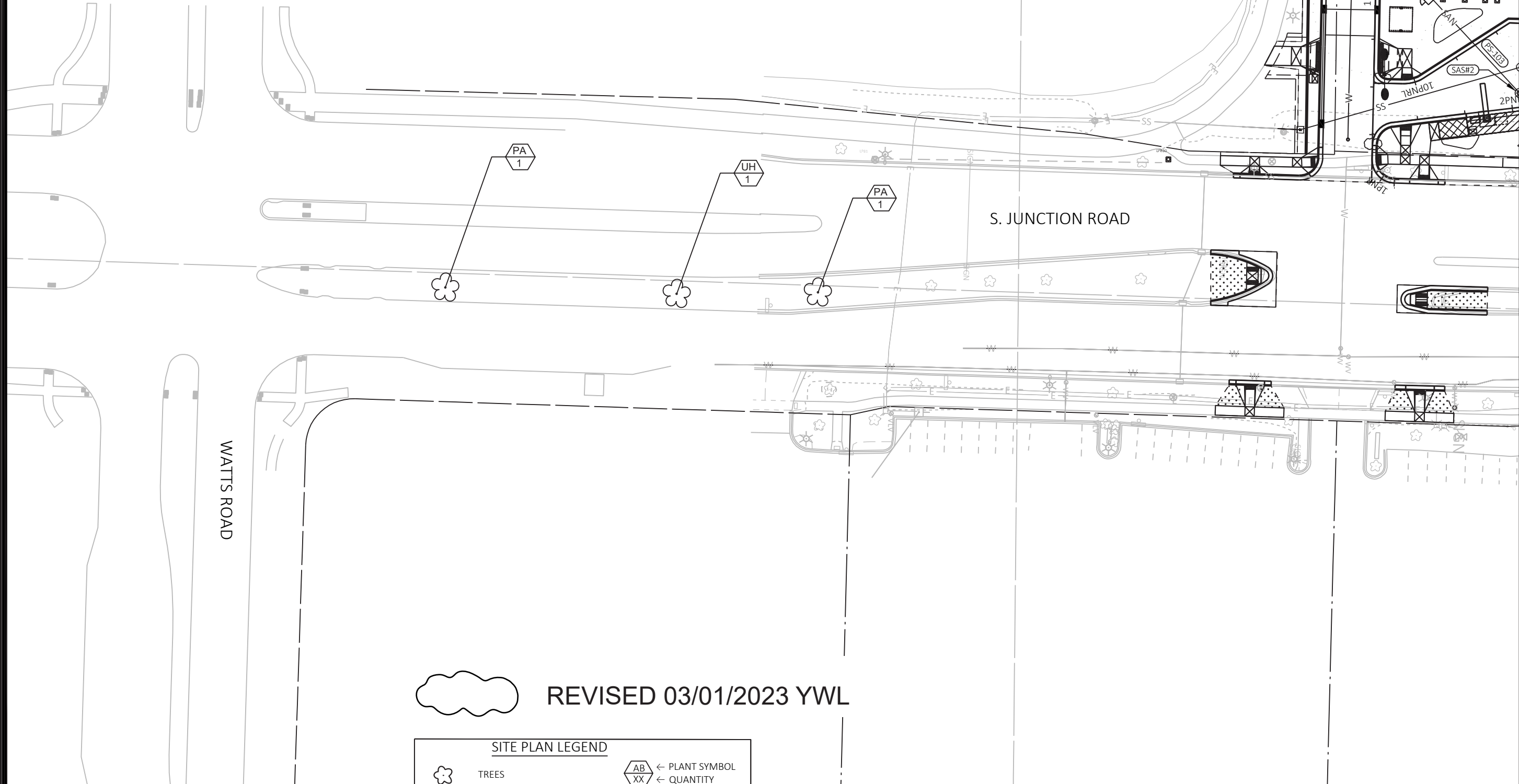


60631225P
G-OWD



QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION
2	PA	<i>Platanus x acerifolia</i> 'Morton Circle'	Exclamation London Planetree	2 inch	B&B
1	UH	<i>Ulmus</i> 'New Horizon'	New Horizon Elm	2 inch	B&B

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION
2	PA	<i>Platanus x acerifolia</i> 'Morton Circle'	Exclamation London Planetree	2 inch	B&B
1	UH	<i>Ulmus</i> 'New Horizon'	New Horizon Elm	2 inch	B&B



REVISED 03/01/2023 YWL

SITE PLAN LEGEND

TREES



← PLANT SYMBOL
← QUANTITY

LANDSCAPING PLAN: SOUTH JUNCTION ROAD

BUS RAPID TRANSIT

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C



60631225P

L-10

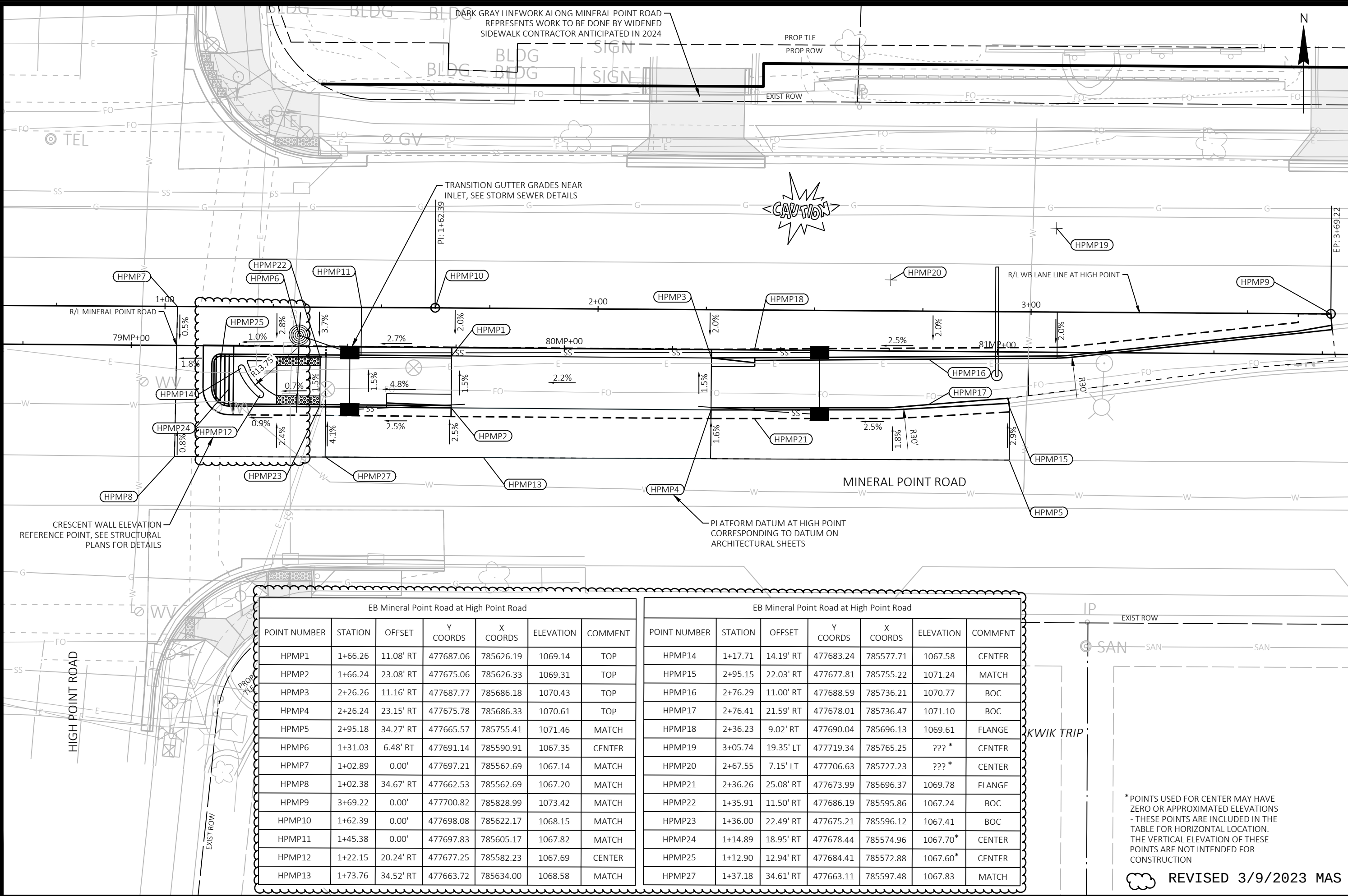
60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

[illegible]

FILE NAME: C:\PWORKING\ACOM_DS20_NA_2019\JOSEPH CREELMAN@ACOM.COM\DM586348\0502008-PN.DWG
LAYOUT NAME: Change Order 1
LAST PLOT DATE: 2023-01-11



EB Mineral Point Road at High Point Road						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
HPMP1	1+66.26	11.08' RT	477687.06	785626.19	1069.14	TOP
HPMP2	1+66.24	23.08' RT	477675.06	785626.33	1069.31	TOP
HPMP3	2+26.26	11.16' RT	477687.77	785686.18	1070.43	TOP
HPMP4	2+26.24	23.15' RT	477675.78	785686.33	1070.61	TOP
HPMP5	2+95.18	34.27' RT	477665.57	785755.41	1071.46	MATCH
HPMP6	1+31.03	6.48' RT	477691.14	785590.91	1067.35	CENTER
HPMP7	1+02.89	0.00'	477697.21	785562.69	1067.14	MATCH
HPMP8	1+02.38	34.67' RT	477662.53	785562.69	1067.20	MATCH
HPMP9	3+69.22	0.00'	477700.82	785828.99	1073.42	MATCH
HPMP10	1+62.39	0.00'	477698.08	785622.17	1068.15	MATCH
HPMP11	1+45.38	0.00'	477697.83	785605.17	1067.82	MATCH
HPMP12	1+22.15	20.24' RT	477677.25	785582.23	1067.69	CENTER
HPMP13	1+73.76	34.52' RT	477663.72	785634.00	1068.58	MATCH

EB Mineral Point Road at High Point Road						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
HPMP14	1+17.71	14.19' RT	477683.24	785577.71	1067.58	CENTER
HPMP15	2+95.15	22.03' RT	477677.81	785755.22	1071.24	MATCH
HPMP16	2+76.29	11.00' RT	477688.59	785736.21	1070.77	BOC
HPMP17	2+76.41	21.59' RT	477678.01	785736.47	1071.10	BOC
HPMP18	2+36.23	9.02' RT	477690.04	785696.13	1069.61	FLANGE
HPMP19	3+05.74	19.35' LT	477719.34	785765.25	???	CENTER
HPMP20	2+67.55	7.15' LT	477706.63	785727.23	???	CENTER
HPMP21	2+36.26	25.08' RT	477673.99	785696.37	1069.78	FLANGE
HPMP22	1+35.91	11.50' RT	477686.19	785595.86	1067.24	BOC
HPMP23	1+36.00	22.49' RT	477675.21	785596.12	1067.41	BOC
HPMP24	1+14.89	18.95' RT	477678.44	785574.96	1067.70*	CENTER
HPMP25	1+12.90	12.94' RT	477684.41	785572.88	1067.60*	CENTER
HPMP27	1+37.18	34.61' RT	477663.11	785597.48	1067.83	MATCH

*POINTS USED FOR CENTER MAY HAVE ZERO OR APPROXIMATED ELEVATIONS - THESE POINTS ARE INCLUDED IN THE TABLE FOR HORIZONTAL LOCATION. THE VERTICAL ELEVATION OF THESE POINTS ARE NOT INTENDED FOR CONSTRUCTION

REVISED 3/9/2023 MAS

60631225P

GRADING PLAN: EB MINERAL POINT ROAD AT HIGH POINT ROAD

CITY OF MADISON

BUS RAPID TRANSIT

CITY OF MADISON, DANE COUNTY, WI

60631225C

CONTRACT NO: 60631225C

3/9/2023

DATE

3/9/2023

DATE

3/9/2023

DATE

PLAN REVISION 1

REVISION

PLAN REVISION 1

REVISION

PLAN REVISION 1

REVISION

DESIGNED BY: AECOM

DATE: 2023-03-12

60631225P

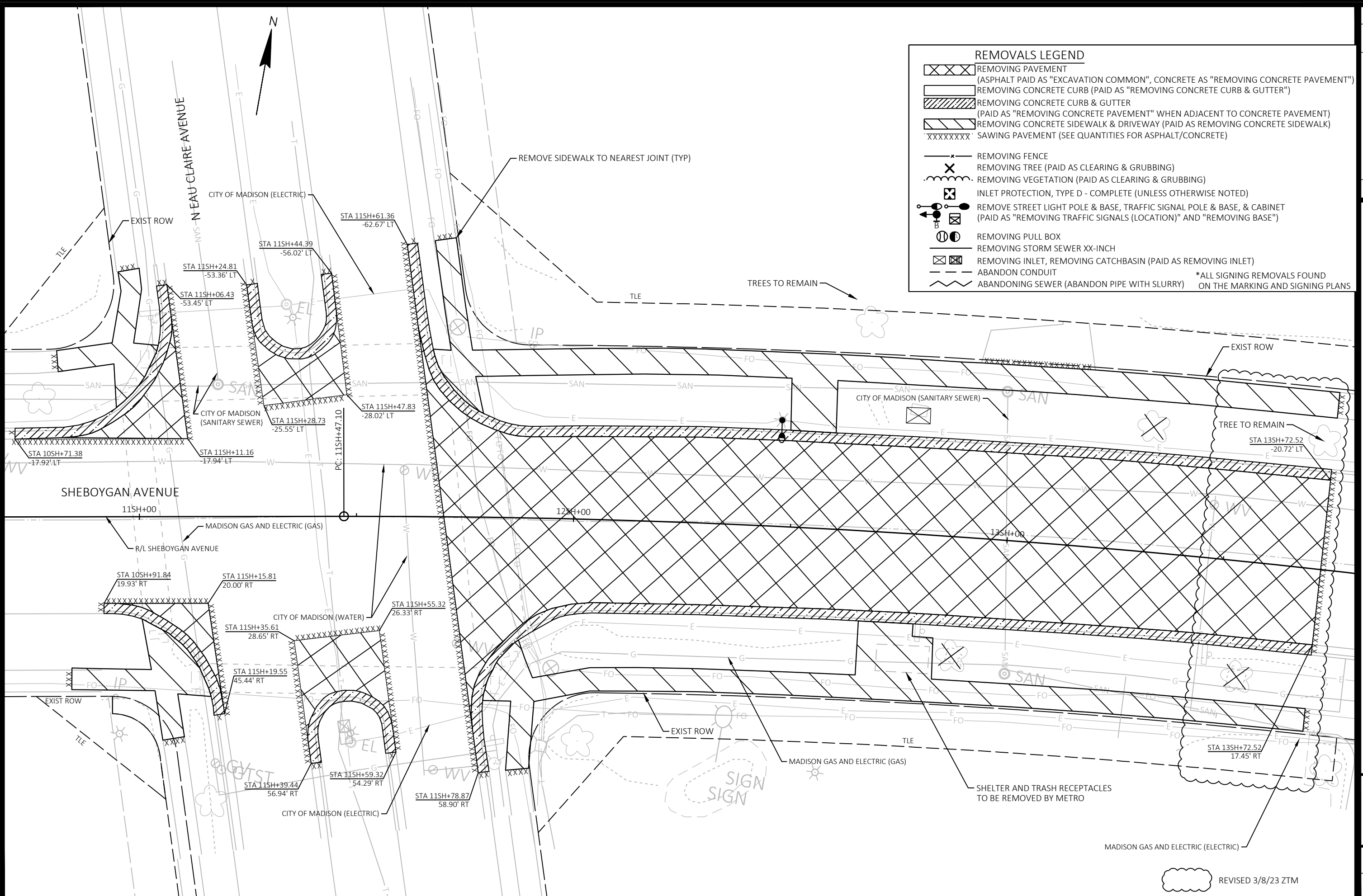
FILE NAME: C:\P\WORKING\AECOM_DS20_NA_2019\MICHAEL.SCHNEIDER2@AECOM.COM\MS86348\050201C-PD.DWG

LAYOUT NAME: Plan 1 IN 20 FT

LAST PLOT DATE: 2023-03-12

60631225P

G2-W

[illegible]

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

REMOVAL PLAN: SHEBOYGAN AVENUE AT EAU CLAIRE AVENUE

BUS RAPID TRANSIT

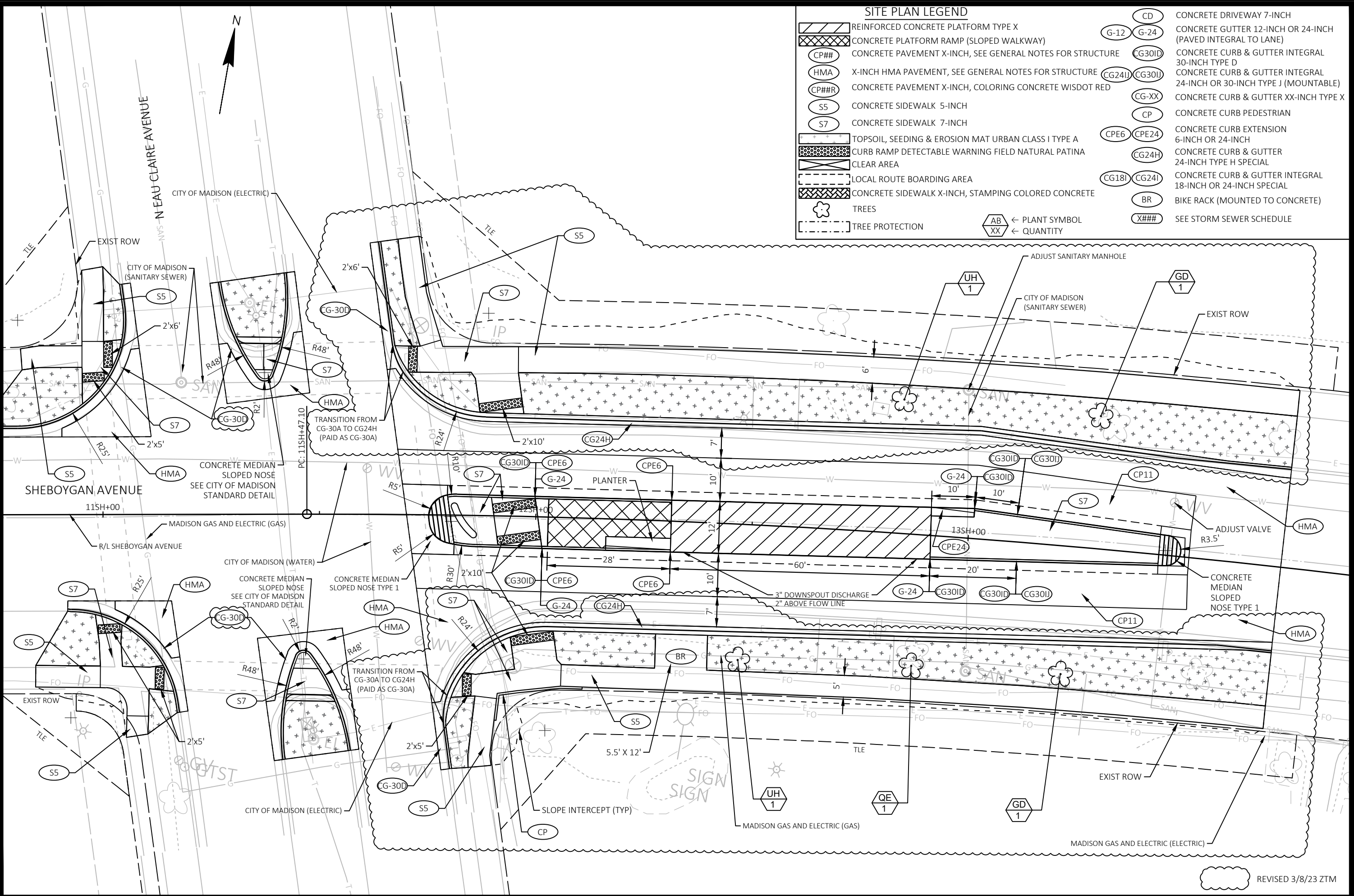
CITY OF MADISON



60631225P

R-11W

FILE NAME : C:\P\WORKING\AECOM_DS20_NA_2019\ZACHARY.MROZ@AECOM.COM\DSMS86348\050213A-RM.DWG
LAYOUT NAME - Plan 1 IN 20 FT LAST PLOT DATE 2023-03-08



SITE PLAN LEGEND	
	REINFORCED CONCRETE PLATFORM TYPE X
	CONCRETE PLATFORM RAMP (SLOPED WALKWAY)
	CONCRETE PAVEMENT X-INCH, SEE GENERAL NOTES FOR STRUCTURE
	X-INCH HMA PAVEMENT, SEE GENERAL NOTES FOR STRUCTURE
	CONCRETE PAVEMENT X-INCH, COLORING CONCRETE WISDOT RED
	CONCRETE SIDEWALK 5-INCH
	CONCRETE SIDEWALK 7-INCH
	TOPSOIL, SEEDING & EROSION MAT URBAN CLASS I TYPE A
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
	CLEAR AREA
	LOCAL ROUTE BOARDING AREA
	CONCRETE SIDEWALK X-INCH, STAMPING COLORED CONCRETE
	TREES
	TREE PROTECTION
	← PLANT SYMBOL ← QUANTITY
	CONCRETE DRIVEWAY 7-INCH
	CONCRETE GUTTER 12-INCH OR 24-INCH (PAVED INTEGRAL TO LANE)
	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
	CONCRETE CURB & GUTTER INTEGRAL 24-INCH OR 30-INCH TYPE J (MOUNTABLE)
	CONCRETE CURB & GUTTER XX-INCH TYPE X
	CONCRETE CURB PEDESTRIAN
	CONCRETE CURB EXTENSION 6-INCH OR 24-INCH
	CONCRETE CURB & GUTTER 24-INCH TYPE H SPECIAL
	CONCRETE CURB & GUTTER INTEGRAL 18-INCH OR 24-INCH SPECIAL
	BIKE RACK (MOUNTED TO CONCRETE)
	SEE STORM SEWER SCHEDULE

60631225P

SITE PLAN: SHEBOYGAN AVENUE AT EAU CLAIRE AVENUE

CITY OF MADISON

60631225P

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

60631225P

PLAN REVISION 1

DATE 3/8/23

BY ZTM

REVISION

DATE 2023-03-12

Scale: 1 IN=20 FT

MARK

Designed By: AECOM

60631225P

FILE NAME: C:\P\WORKING\AECOM_DS20_INA_2019\ZACHARY.MROZ@AECOM.COM\DSMS8348\050213B-PN.DWG

LAYOUT NAME - Plan 1 IN 20 FT

LAST PLOT DATE: 2023-03-12

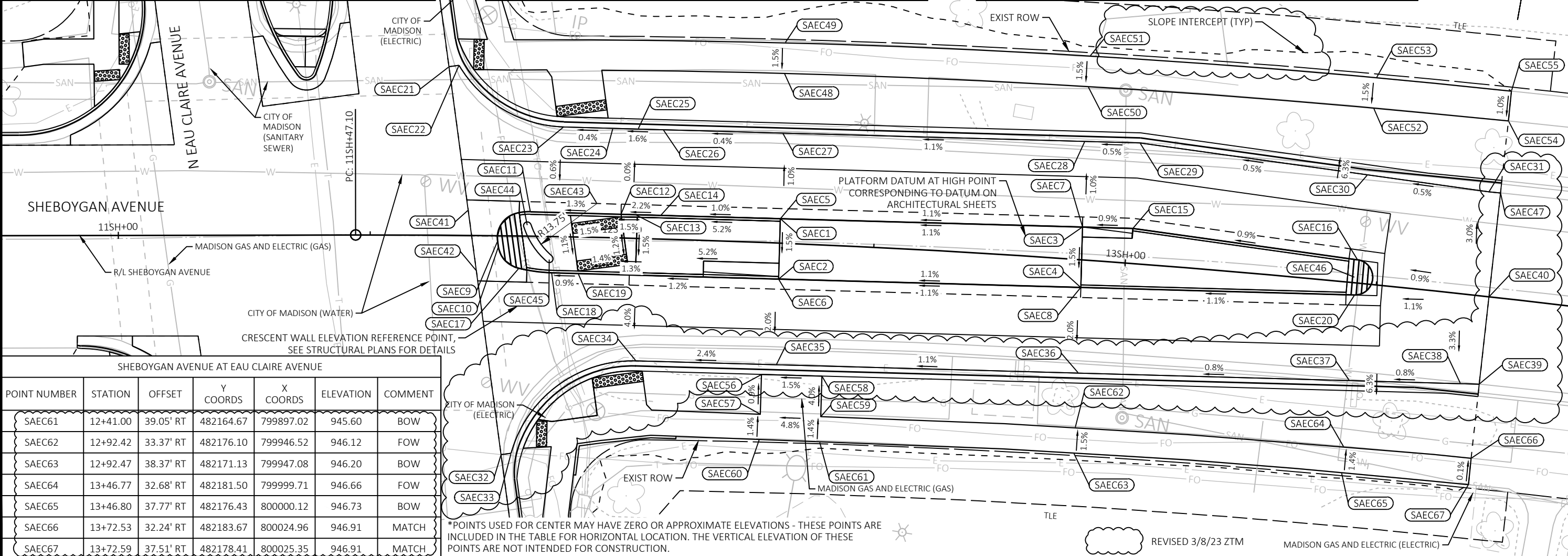
REVISED 3/8/23 ZTM

P-11W

SHEBOYGAN AVENUE AT EAU CLAIRE AVENUE						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
SAEC1	12+31.23	4.85' LT	482206.94	799881.72	946.31	TOP
SAEC2	12+31.39	7.15' RT	482195.06	799883.46	946.13	TOP
SAEC3	12+91.04	6.50' LT	482215.62	799941.09	946.98	TOP
SAEC4	12+91.56	5.49' RT	482203.74	799942.83	946.80	TOP
SAEC5	12+31.23	4.85' LT	482206.94	799881.72	945.19	FLOW LINE
SAEC6	12+31.39	7.16' RT	482195.06	799883.46	945.02	FLOW LINE
SAEC7	12+91.04	6.50' LT	482215.62	799941.09	945.85	FLOW LINE
SAEC8	12+91.56	5.49' RT	482203.74	799942.83	945.68	FLOW LINE
SAEC9	11+75.30	1.08' RT	482192.90	799827.20	944.47	FLOW LINE
SAEC10	11+75.46	2.21' RT	482191.81	799827.55	944.46	FLOW LINE
SAEC11	11+81.71	4.83' LT	482199.75	799832.60	944.55	FLOW LINE
SAEC12	11+99.68	4.70' LT	482202.36	799850.43	944.78	FLOW LINE
SAEC13	12+02.58	4.69' LT	482202.78	799853.30	944.84	FLOW LINE
SAEC14	12+07.57	4.69' LT	482203.51	799858.25	944.95	FLOW LINE
SAEC15	13+01.00	6.95' LT	482217.06	799950.99	945.95	FLOW LINE
SAEC16	13+45.84	4.56' LT	482218.57	799995.99	946.37	FLOW LINE
SAEC17	11+79.57	6.45' RT	482188.28	799832.26	944.44	FLOW LINE
SAEC18	11+86.14	7.22' RT	482188.54	799838.85	944.48	FLOW LINE
SAEC19	11+91.44	7.26' RT	482189.30	799844.07	944.53	FLOW LINE
SAEC20	13+45.93	2.43' RT	482211.61	799996.61	946.28	FLOW LINE

SHEBOYGAN AVENUE AT EAU CLAIRE AVENUE						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
SAEC21	11+65.38	33.42' LT	482225.32	799811.74	945.51	MATCH
SAEC22	11+67.33	33.71' LT	482225.93	799813.65	945.41	FLANGE
SAEC23	11+88.01	21.77' LT	482217.47	799836.24	944.73	FLANGE
SAEC24	11+97.66	21.70' LT	482218.88	799845.90	944.76	FLANGE
SAEC25	12+02.61	21.69' LT	482219.60	799850.84	944.84	FLANGE
SAEC26	12+07.56	21.69' LT	482220.33	799855.79	944.92	FLANGE
SAEC27	12+31.02	21.84' LT	482223.76	799879.26	945.02	FLANGE
SAEC28	12+90.33	23.48' LT	482232.44	799938.63	945.68	FLANGE
SAEC29	13+01.14	23.97' LT	482234.02	799949.47	945.74	FLANGE
SAEC30	13+46.18	21.56' LT	482235.55	799995.06	945.96	FLANGE
SAEC31	13+70.23	20.69' LT	482236.36	800019.36	946.08	FLANGE
SAEC32	11+76.52	43.44' RT	482151.27	799835.16	942.82	MATCH
SAEC33	11+78.55	43.15' RT	482151.88	799837.07	942.80	FLANGE
SAEC34	12+03.38	24.31' RT	482174.21	799858.33	943.99	FLANGE
SAEC35	12+31.60	24.15' RT	482178.24	799885.92	944.67	FLANGE
SAEC36	12+92.29	22.48' RT	482186.92	799945.29	945.33	FLANGE
SAEC37	13+46.55	19.43' RT	482194.70	799998.50	945.77	FLANGE
SAEC38	13+68.77	17.76' RT	482197.90	800020.34	945.95	FLANGE
SAEC39	13+72.52	17.45' RT	482198.43	800024.03	945.98	MATCH
SAEC40	13+72.52	0.00'	482215.85	800022.95	946.59	MATCH

SHEBOYGAN AVENUE AT EAU CLAIRE AVENUE						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
SAEC41	11+69.40	5.02' LT	482197.97	799820.39	944.71	MATCH
SAEC42	11+71.14	7.01' RT	482186.38	799824.06	944.34	MATCH
SAEC43	11+94.85	6.72' LT	482203.64	799845.34	0.00	CENTER*
SAEC44	11+81.15	2.06' LT	482196.93	799832.48	945.02	CENTER
SAEC45	11+85.60	4.45' RT	482191.19	799837.90	945.00	CENTER
SAEC46	13+45.69	1.06' LT	482215.07	799996.11	0.00	CENTER*
SAEC47	13+72.52	20.72' LT	482236.53	800021.67	946.08	MATCH
SAEC48	12+30.88	33.68' LT	482235.47	799877.56	945.87	FOW
SAEC49	12+30.80	39.73' LT	482241.46	799876.67	945.96	BOW
SAEC50	12+90.22	34.36' LT	482243.25	799937.41	946.48	FOW
SAEC51	12+90.16	40.44' LT	482249.29	799936.72	946.57	BOW
SAEC52	13+46.08	34.84' LT	482248.78	799993.96	946.86	FOW
SAEC53	13+46.04	40.88' LT	482254.80	799993.47	946.95	BOW
SAEC54	13+72.49	35.11' LT	482250.89	800020.75	947.46	MATCH
SAEC55	13+72.44	41.03' LT	482256.80	800020.33	947.52	MATCH
SAEC56	12+28.69	26.19' RT	482175.84	799883.34	945.03	BOC
SAEC57	12+28.79	34.09' RT	482168.02	799884.49	944.95	FOW
SAEC58	12+40.85	26.01' RT	482177.58	799895.22	945.21	BOC
SAEC59	12+40.99	34.05' RT	482169.62	799896.38	945.53	FOW
SAEC60	12+28.79	39.09' RT	482163.06	799885.16	945.03	BOW



SHEBOYGAN AVENUE AT EAU CLAIRE AVENUE						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
SAEC61	12+41.00	39.05' RT	482164.67	799897.02	945.60	BOW
SAEC62	12+92.42	33.37' RT	482176.10	799946.52	946.12	FOW
SAEC63	12+92.47	38.37' RT	482171.13	799947.08	946.20	BOW
SAEC64	13+46.77	32.68' RT	482181.50	799999.71	946.66	FOW
SAEC65	13+46.80	37.77' RT	482176.43	800000.12	946.73	BOW
SAEC66	13+72.53	32.24' RT	482183.67	800024.96	946.91	MATCH
SAEC67	13+72.59	37.51' RT	482178.41	800025.35	946.91	MATCH

*POINTS USED FOR CENTER MAY HAVE ZERO OR APPROXIMATE ELEVATIONS - THESE POINTS ARE INCLUDED IN THE TABLE FOR HORIZONTAL LOCATION. THE VERTICAL ELEVATION OF THESE POINTS ARE NOT INTENDED FOR CONSTRUCTION.

60631225P

CITY OF MADISON

60631225P

GRADING PLAN: SHEBOYGAN AVENUE AT EAU CLAIRE AVENUE

BUS RAPID TRANSIT

CITY OF MADISON

3/8/23

DATE

3/8/23

DATE

3/8/23

DATE

PLAN REVISION 1

REVISION

PLAN REVISION 1

REVISION

PLAN REVISION 1

REVISION

Designed By: AECOM

Date: 2023-03-14

Scale: 1 IN=20 FT

60631225P

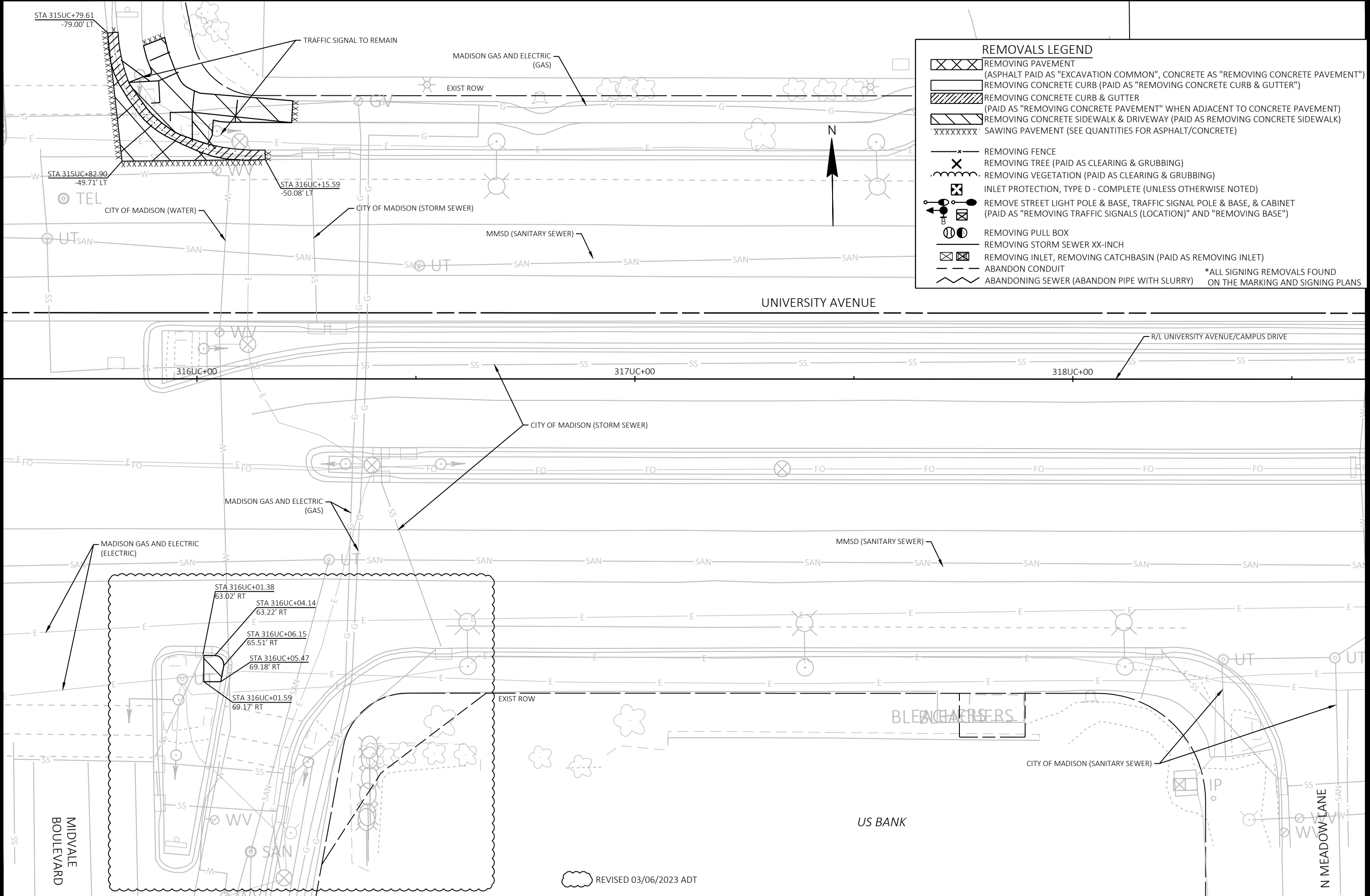
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LAYOUT NAME - Plan 1 IN 20 FT

LAST PLOT DATE: 2023-03-14

60631225P

G-11W



REMOVALS LEGEND

XXXX

REMOVING PAVEMENT
(ASPHALT PAID AS "EXCAVATION COMMON", CONCRETE AS "REMOVING CONCRETE PAVEMENT")

XXXXXX

REMOVING CONCRETE CURB (PAID AS "REMOVING CONCRETE CURB & GUTTER")

XXXXXX

REMOVING CONCRETE CURB & GUTTER
(PAID AS "REMOVING CONCRETE PAVEMENT" WHEN ADJACENT TO CONCRETE PAVEMENT)

XXXXXX

REMOVING CONCRETE SIDEWALK & DRIVEWAY (PAID AS REMOVING CONCRETE SIDEWALK)

XXXXXX

SAWING PAVEMENT (SEE QUANTITIES FOR ASPHALT/CONCRETE)

REMOVING FENCE

REMOVING TREE (PAID AS CLEARING & GRUBBING)

REMOVING VEGETATION (PAID AS CLEARING & GRUBBING)

INLET PROTECTION, TYPE D - COMPLETE (UNLESS OTHERWISE NOTED)

REMOVE STREET LIGHT POLE & BASE, TRAFFIC SIGNAL POLE & BASE, & CABINET
(PAID AS "REMOVING TRAFFIC SIGNALS (LOCATION)" AND "REMOVING BASE")

REMOVING PULL BOX

REMOVING STORM SEWER XX-INCH

REMOVING INLET, REMOVING CATCHBASIN (PAID AS REMOVING INLET)

ABANDON CONDUIT

ABANDONING SEWER (ABANDON PIPE WITH SLURRY)

*ALL SIGNING REMOVALS FOUND
ON THE MARKING AND SIGNING PLANS

60631225P

REMOVAL PLAN: UNIVERSITY AVENUE AT MIDVALE BOULEVARD

CITY OF MADISON

60631225P

R-14W

03/06/23

ADT

DATE

BY

PLAN REVISION 1

REVISION

Date: 2023-03-09

60631225P

MARK

Designed By: AECOM

Scale: 1 IN=20 FT

CITY OF MADISON, DANE COUNTY, WI

BUS RAPID TRANSIT

CONTRACT NO: 60631225C

CITY OF MADISON

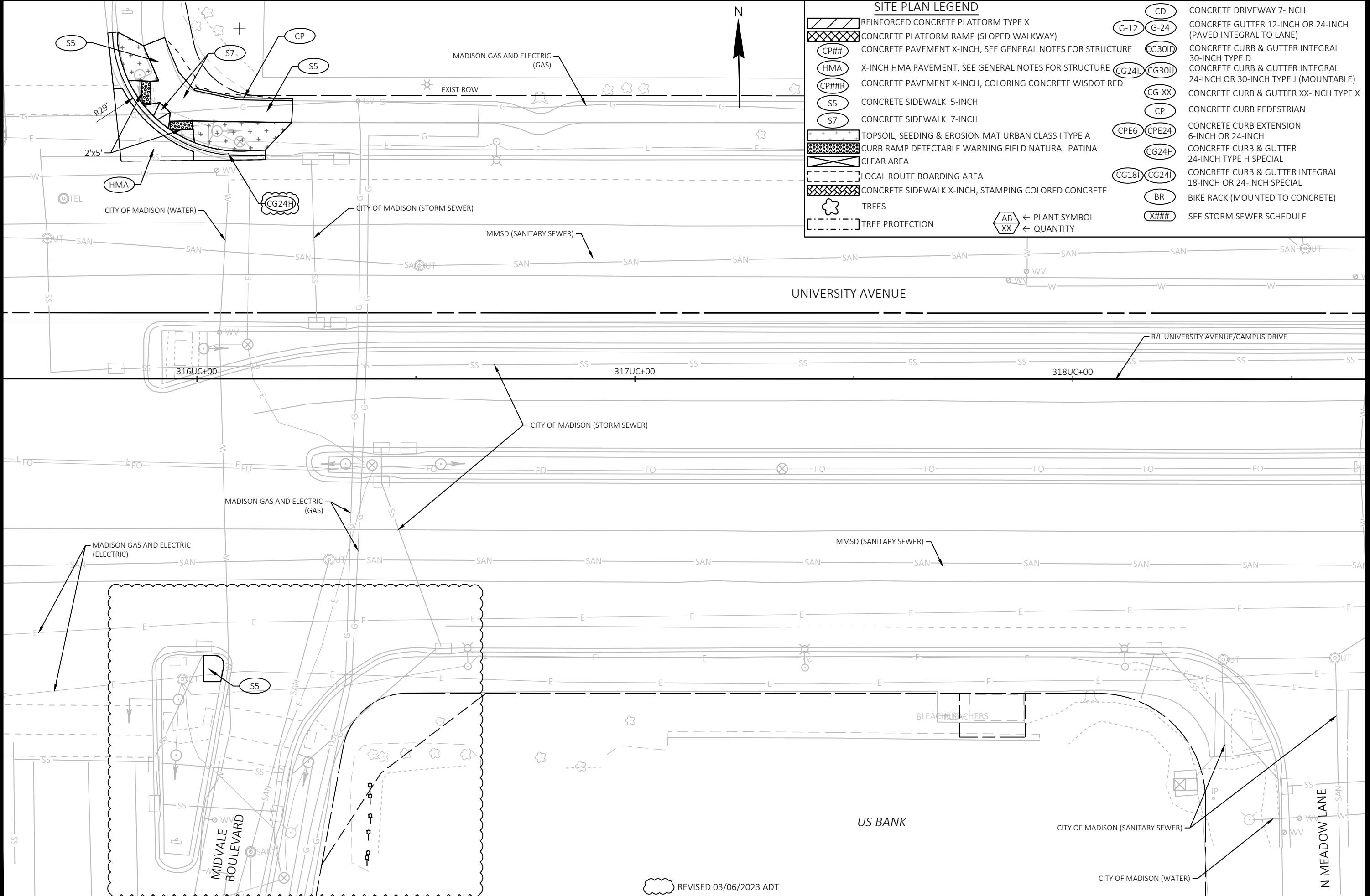
60631225P

R-14W

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LAYOUT NAME - Plan 1 IN 20 FT

LAST PLOT DATE - 2023-03-09



SITE PLAN LEGEND	
	REINFORCED CONCRETE PLATFORM TYPE X
	CONCRETE PLATFORM RAMP (SLOPED WALKWAY)
	CONCRETE PAVEMENT X-INCH, SEE GENERAL NOTES FOR STRUCTURE
	X-INCH HMA PAVEMENT, SEE GENERAL NOTES FOR STRUCTURE
	CONCRETE PAVEMENT X-INCH, COLORING CONCRETE WISDOT RED
	CONCRETE SIDEWALK 5-INCH
	CONCRETE SIDEWALK 7-INCH
	TOPSOIL, SEEDING & EROSION MAT URBAN CLASS I TYPE A
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
	CLEAR AREA
	LOCAL ROUTE BOARDING AREA
	CONCRETE SIDEWALK X-INCH, STAMPING COLORED CONCRETE
	TREES
	TREE PROTECTION
	← PLANT SYMBOL ← QUANTITY
	CONCRETE DRIVEWAY 7-INCH
	CONCRETE GUTTER 12-INCH OR 24-INCH (PAVED INTEGRAL TO LANE)
	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
	CONCRETE CURB & GUTTER INTEGRAL 24-INCH OR 30-INCH TYPE J (MOUNTABLE)
	CONCRETE CURB & GUTTER XX-INCH TYPE X
	CONCRETE CURB PEDESTRIAN
	CONCRETE CURB EXTENSION 6-INCH OR 24-INCH
	CONCRETE CURB & GUTTER 24-INCH TYPE H SPECIAL
	CONCRETE CURB & GUTTER INTEGRAL 18-INCH OR 24-INCH SPECIAL
	BIKE RACK (MOUNTED TO CONCRETE)
	SEE STORM SEWER SCHEDULE

60631225P

SITE PLAN: UNIVERSITY AVENUE AT MIDVALE BOULEVARD

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

P-14W

03/06/23

ADT

11/23/22

ADT

DATE

BY

PLAN REVISION 1

ADDENDUM 4

REVISION

MARK

Designed By: AECOM

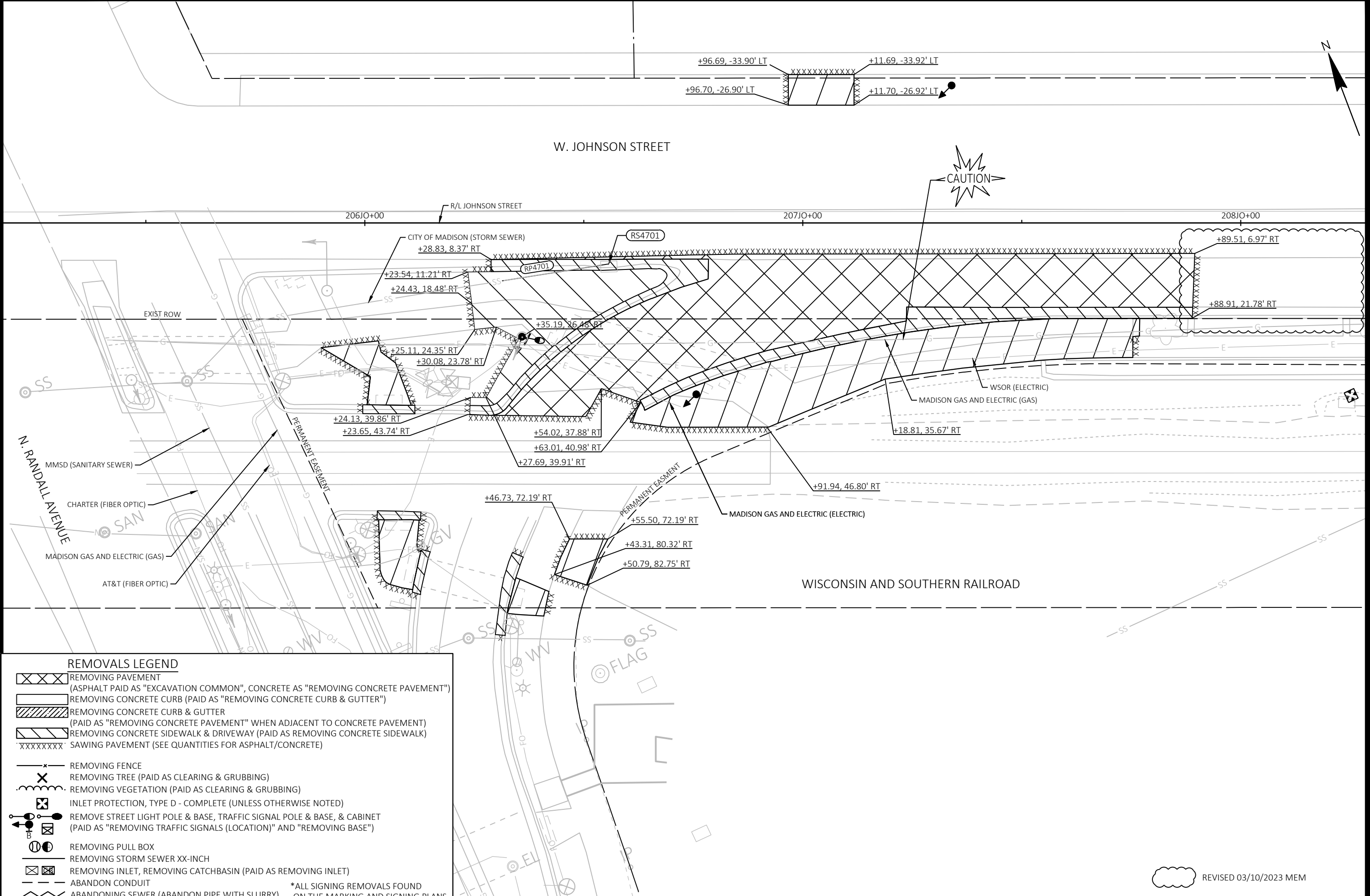
Date: 2023-03-06

60631225P

Scale: 1 IN=20 FT

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C



REMOVALS LEGEND

REMOVING PAVEMENT
(ASPHALT PAID AS "EXCAVATION COMMON", CONCRETE AS "REMOVING CONCRETE PAVEMENT")

REMOVING CONCRETE CURB (PAID AS "REMOVING CONCRETE CURB & GUTTER")

REMOVING CONCRETE CURB & GUTTER
(PAID AS "REMOVING CONCRETE PAVEMENT" WHEN ADJACENT TO CONCRETE PAVEMENT)

REMOVING CONCRETE SIDEWALK & DRIVEWAY (PAID AS REMOVING CONCRETE SIDEWALK)

'XXXXXXXX' SAWING PAVEMENT (SEE QUANTITIES FOR ASPHALT/CONCRETE)

REMOVING FENCE

REMOVING TREE (PAID AS CLEARING & GRUBBING)

REMOVING VEGETATION (PAID AS CLEARING & GRUBBING)

INLET PROTECTION, TYPE D - COMPLETE (UNLESS OTHERWISE NOTED)

REMOVE STREET LIGHT POLE & BASE, TRAFFIC SIGNAL POLE & BASE, & CABINET
(PAID AS "REMOVING TRAFFIC SIGNALS (LOCATION)" AND "REMOVING BASE")

REMOVING PULL BOX

REMOVING STORM SEWER XX-INCH

REMOVING INLET, REMOVING CATCHBASIN (PAID AS REMOVING INLET)

ABANDON CONDUIT

ABANDONING SEWER (ABANDON PIPE WITH SLURRY)

*ALL SIGNING REMOVALS FOUND
ON THE MARKING AND SIGNING PLANS

REMOVAL PLAN: EB W. JOHNSON STREET AND N. RANDALL AVENUE RECONSTRUCTION
OPTION 1
BUS RAPID TRANSIT

60631225P
R-20W

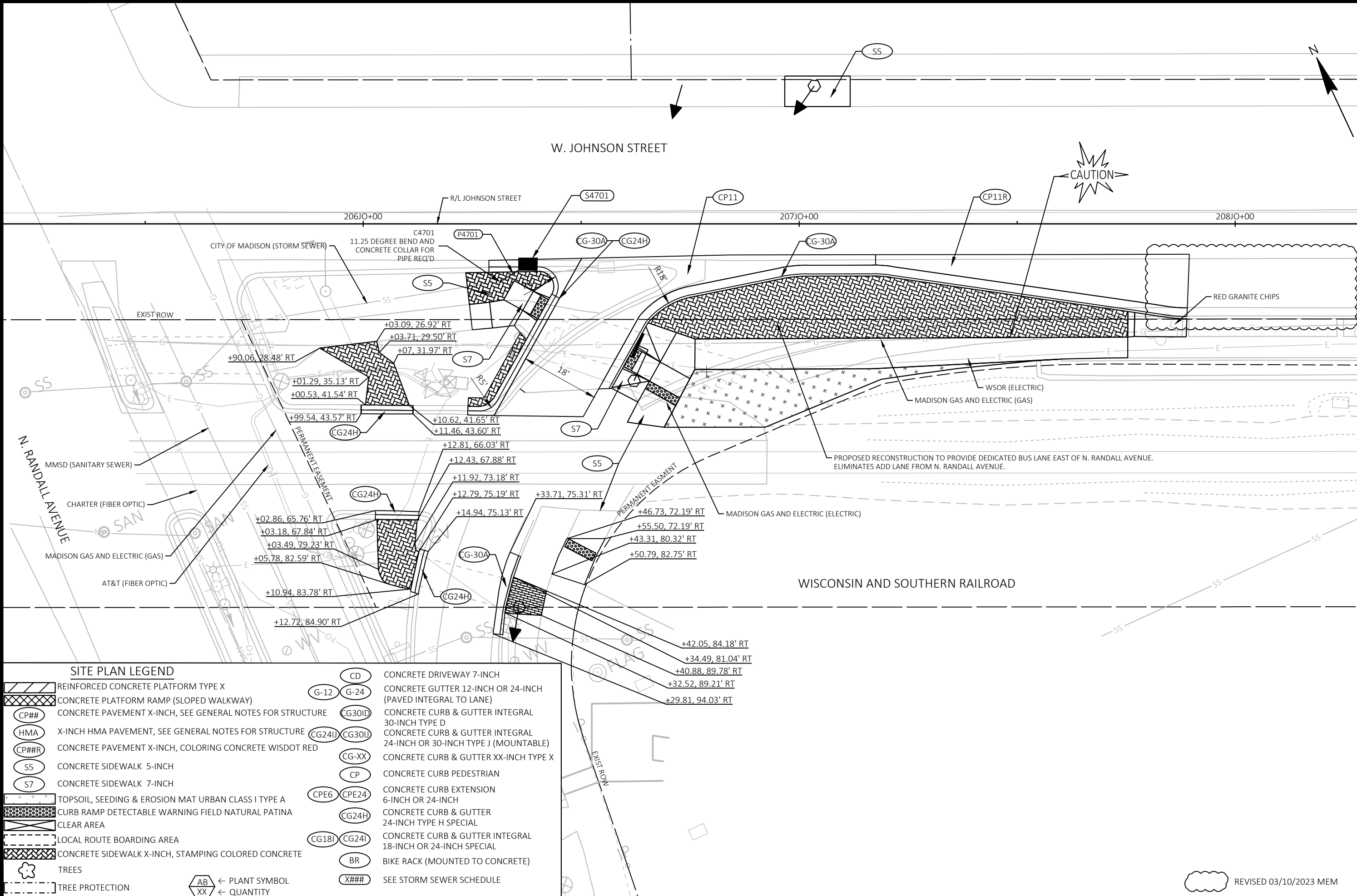
REVISION
PLAN REVISION 1
DATE 03/10/23
BY MEM

MARK
Designed By: AECOM
60631225P

Scale: 1 IN=20 FT

CITY OF MADISON
CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C



SITE PLAN LEGEND			
	REINFORCED CONCRETE PLATFORM TYPE X		CONCRETE GUTTER 12-INCH OR 24-INCH (PAVED INTEGRAL TO LANE)
	CONCRETE PLATFORM RAMP (SLOPED WALKWAY)		CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
	CONCRETE PAVEMENT X-INCH, SEE GENERAL NOTES FOR STRUCTURE		CONCRETE CURB & GUTTER INTEGRAL 24-INCH OR 30-INCH TYPE J (MOUNTABLE)
	X-INCH HMA PAVEMENT, SEE GENERAL NOTES FOR STRUCTURE		CONCRETE CURB & GUTTER XX-INCH TYPE X
	CONCRETE PAVEMENT X-INCH, COLORING CONCRETE WISDOT RED		CONCRETE CURB PEDESTRIAN
	CONCRETE SIDEWALK 5-INCH		CONCRETE CURB EXTENSION 6-INCH OR 24-INCH
	CONCRETE SIDEWALK 7-INCH		CONCRETE CURB & GUTTER 24-INCH TYPE H SPECIAL
	TOPSOIL, SEEDING & EROSION MAT URBAN CLASS I TYPE A		CONCRETE CURB & GUTTER INTEGRAL 18-INCH OR 24-INCH SPECIAL
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA		BIKE RACK (MOUNTED TO CONCRETE)
	CLEAR AREA		SEE STORM SEWER SCHEDULE
	LOCAL ROUTE BOARDING AREA		
	CONCRETE SIDEWALK X-INCH, STAMPING COLORED CONCRETE		
	TREES		
	TREE PROTECTION		
	← PLANT SYMBOL		
	← QUANTITY		

PLAN REVISION 1

ADDENDUM 4

REVISION

DATE

BY

03/10/23 MEM

11/21/22 MEM

2023-03-10

60631225P

MARK

Designed By: AECOM

Date: 2023-03-10

60631225P

60631225P

CONTRACT NO: 60631225C

CITY OF MADISON

WISCONSIN

60631225P

P-20W

SITE PLAN: EB W. JOHNSON STREET AND N. RANDALL AVENUE RECONSTRUCTION 60631225P

BUS RAPID TRANSIT

CITY OF MADISON

CITY OF MADISON, DANE COUNTY, WI

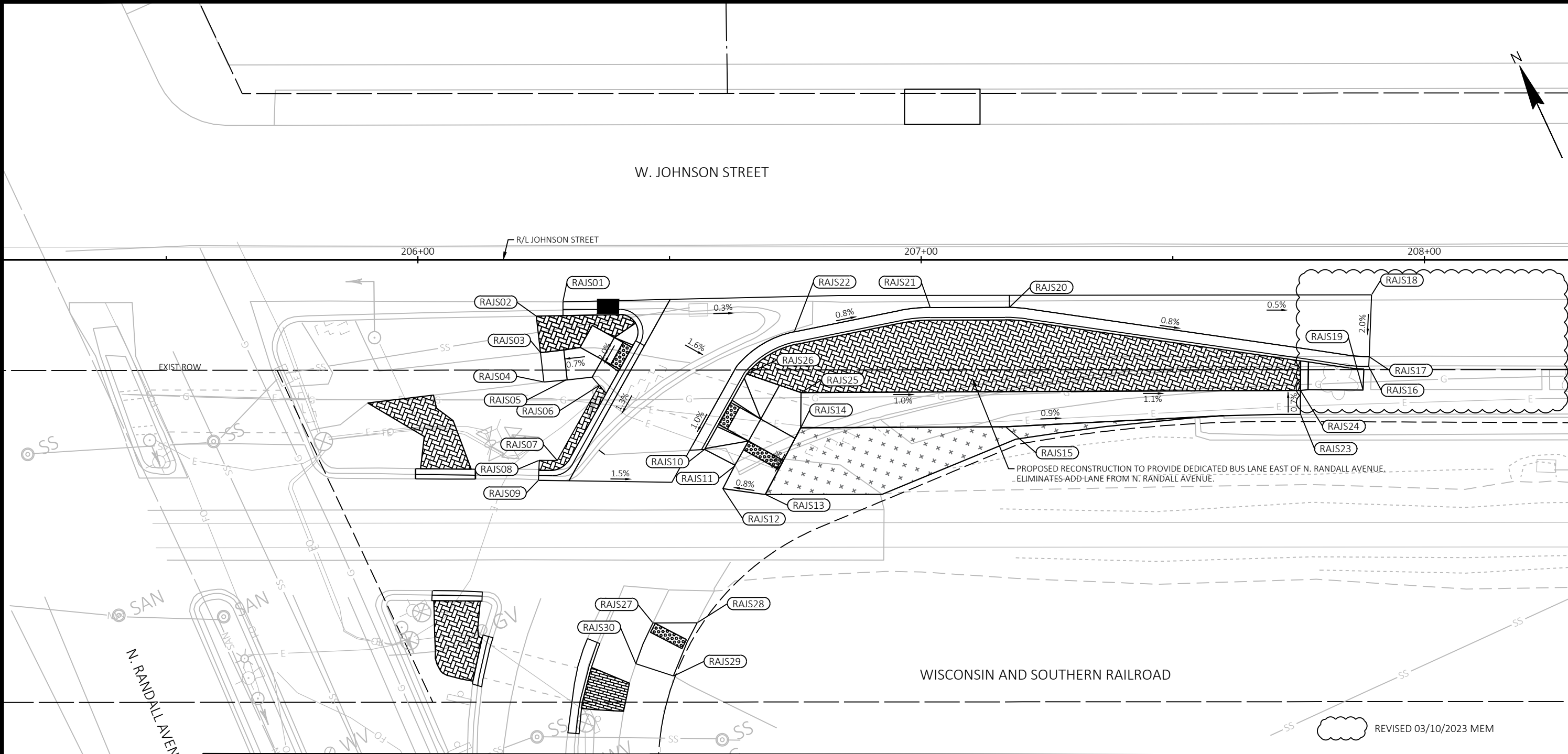
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LAYOUT NAME - Plan 1 IN 50 FT

LAST PLOT DATE - 2023-03-10

REVIS

REVISED 03/10/2023 MEM



EB Johnson Street at Randall Avenue							EB Johnson Street at Randall Avenue							EB Johnson Street at Randall Avenue						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT	POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT	POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
RAJS01	206+28.83	8.37' RT	482086.43	814619.48	874.03	MATCH	RAJS11	206+63.01	40.98' RT	482042.47	814636.76	873.61	MATCH	RAJS21	207+01.80	9.50' RT	482054.70	814685.20	873.75	EOP
RAJS02	206+23.54	11.21' RT	482086.09	814613.48	874.03	MATCH	RAJS12	206+60.62	45.49' RT	482039.38	814632.70	873.69	MATCH	RAJS22	206+74.79	14.34' RT	482061.68	814658.66	873.98	EOP
RAJS03	206+24.37	18.48' RT	482079.13	814611.18	874.64	MATCH	RAJS13	206+69.05	46.67' RT	482034.77	814639.85	873.76	MATCH	RAJS23	207+75.38	30.74' RT	482004.48	814743.01	873.63	MATCH
RAJS04	206+25.05	24.31' RT	482073.56	814609.34	874.03	MATCH	RAJS14	206+76.07	33.41' RT	482043.84	814651.80	874.51	BOW	RAJS24	207+75.36	25.96' RT	482008.83	814745.01	873.58	MATCH
RAJS05	206+29.58	23.83' RT	482072.09	814613.65	874.76	MATCH	RAJS15	207+16.82	33.22' RT	482026.87	814688.85	874.21	BOW	RAJS25	206+76.13	26.40' RT	482050.17	814654.80	874.62	FOW
RAJS06	206+36.03	24.96' RT	482068.35	814619.03	874.69	MATCH	RAJS16	207+88.93	21.28' RT	482007.36	814759.29	873.46	MATCH	RAJS26	206+65.35	22.70' RT	482058.07	814646.58	874.44	FOW
RAJS07	206+27.69	39.91' RT	482058.30	814605.18	874.63	MATCH	RAJS17	207+89.01	19.28' RT	482009.14	814760.21	873.00	MATCH	RAJS27	206+46.73	72.19' RT	482021.00	814608.87	873.57	MATCH
RAJS08	206+24.13	39.86' RT	482059.84	814601.96	874.65	MATCH	RAJS18	207+89.51	6.97' RT	482020.10	814765.83	873.24	MATCH	RAJS28	206+55.50	72.19' RT	482017.32	814616.83	873.73	MATCH
RAJS09	206+23.96	43.86' RT	482056.28	814600.13	874.12	MATCH	RAJS19	207+87.81	25.91' RT	482003.64	814756.33	0.00	MATCH	RAJS29	206+50.79	82.75' RT	482009.72	814608.11	873.71	MATCH
RAJS10	206+56.97	37.71' RT	482047.97	814632.67	873.79	MATCH	RAJS20	207+17.55	9.47' RT	482048.11	814699.50	873.59	EOP	RAJS30	206+43.31	80.32' RT	482015.07	814602.34	873.54	MATCH

60631225P

G-20W

FILE NAME : C:\P\WORKING\AECOM_DS20_INA_2019\MEGHAN.MCCARTHY\AECOM\COM\DM586348\050229C-GD.DWG
LAYOUT NAME - Plan 1 IN 50 FT
LAST PLOT DATE - 2023-03-10

CITY OF MADISON

60631225P

GRADING PLAN: EB W. JOHNSON STREET AND N. RANDALL AVENUE RECONSTRUCTION
OPTION 1

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

MARK
Designed By: AECOM
60631225P

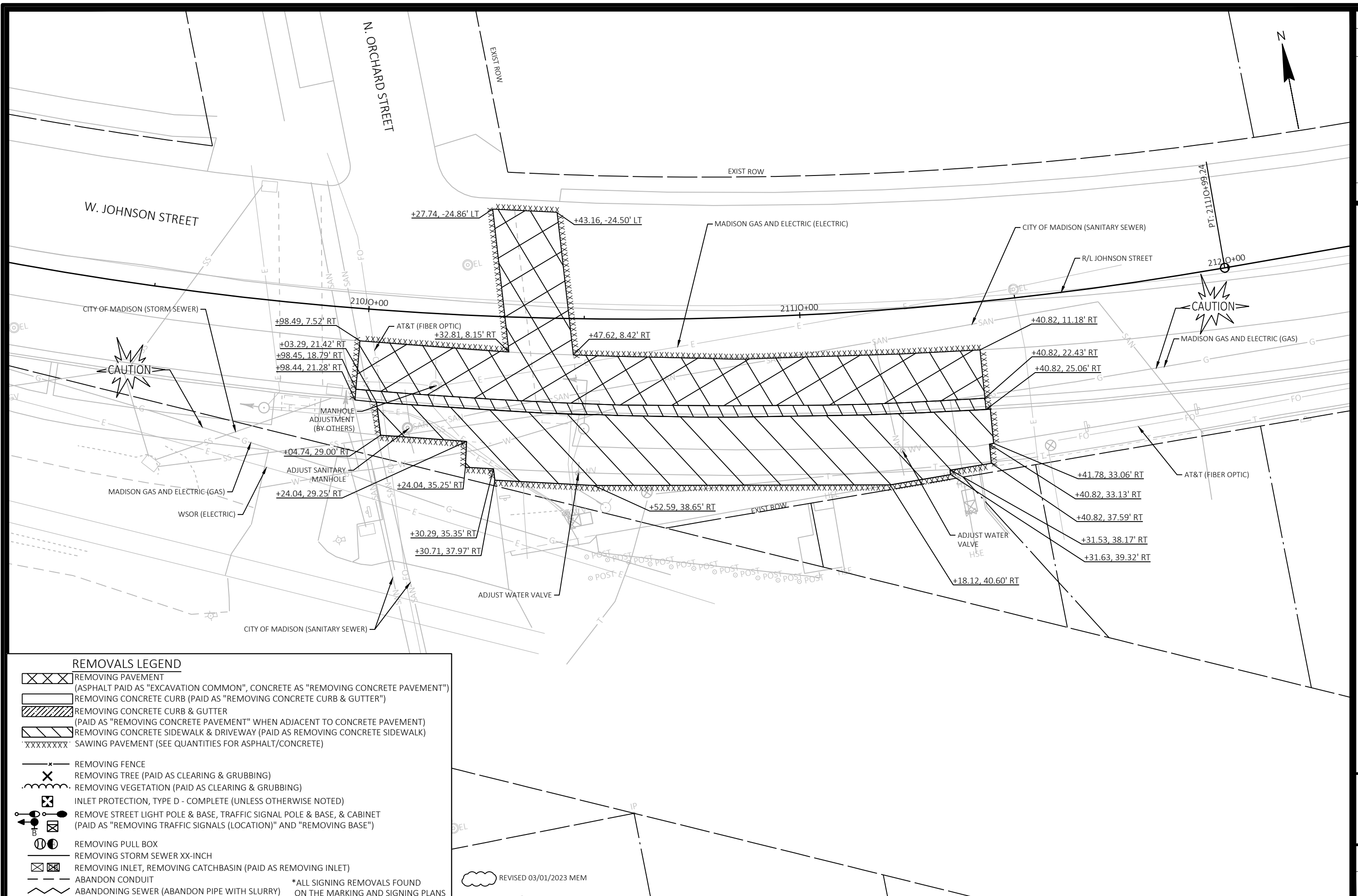
REVISION
Date: 2023-03-10

DATE
BY
Scale: 1 IN 20 FT

CONTRACT NO: 60631225C

CITY OF MADISON, DANE COUNTY, WI

60631225P

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60631225P

REMOVAL PLAN: EB W. JOHNSON STREET AT N. ORCHARD STREET

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

CITY OF MADISON



60631225P

R-21W

FILE NAME: C:\PWWORKING\AECOM_DS20_NA_2019\MEGHAN.MCCARTHY@AECOM.COM\DSMS86348\050224A-RM.DWG
LAWYER NAME: MEGHAN.MCCARTHY@AECOM.COM
LAST DATE: 05/02/2024
LAST DATE: 05/02/2024



EB Johnson Street at Orchard Street							EB Johnson Street at Orchard Street							EB Johnson Street at Orchard Street						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT	POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT	POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
OJS01	209+98.45	18.79' RT	481930.49	814957.33	872.04	EOP	OJS14	210+30.29	35.35' RT	481906.30	814985.13	872.92	MATCH	OJS27	210+79.30	30.26' RT	481901.20	815036.14	873.85	TOP
OJS02	209+98.49	7.52' RT	481941.34	814960.37	872.04	MATCH	OJS15	210+30.46	36.59' RT	481905.06	814985.03	872.90	BOW	OJS28	210+79.30	30.26' RT	481901.20	815036.14	873.29	FOW
OJS03	210+32.81	8.15' RT	481932.22	814993.80	872.04	MATCH	OJS16	210+32.83	37.01' RT	481904.09	814987.34	872.92	BOW	OJS29	211+18.10	39.59' RT	481886.15	815074.87	873.46	BOW
OJS04	210+47.62	8.42' RT	481928.73	815008.36	872.04	MATCH	OJS17	210+38.57	37.14' RT	481902.63	814993.17	872.94	BOW	OJS30	211+31.56	38.33' RT	481885.84	815089.04	873.55	MATCH
OJS05	211+40.82	11.18' RT	481911.94	815101.18	872.04	MATCH	OJS18	210+38.39	29.56' RT	481910.07	814994.64	872.04	FOW	OJS31	211+40.82	37.59' RT	481885.63	815098.76	873.61	MATCH
OJS06	211+40.82	22.43' RT	481900.73	815100.15	872.96	EOP	OJS19	210+32.59	29.40' RT	481911.56	814988.81	872.86	FOW	OJS32	211+40.82	33.13' RT	481890.08	815099.17	873.49	MATCH
OJS07	211+25.78	20.63' RT	481904.08	815084.97	872.88	EOP	OJS20	210+38.16	20.50' RT	481918.97	814996.38	872.35	BOC	OJS33	211+40.81	25.06' RT	481898.11	815099.90	873.37	BOC
OJS08	211+11.19	19.59' RT	481906.90	815070.24	872.79	EOP	OJS21	210+32.33	21.18' RT	481919.63	814990.40	872.04	BOC	OJS34	211+25.40	25.61' RT	481899.16	815084.03	873.45	FOW
OJS09	210+52.57	18.15' RT	481918.17	815011.31	872.47	EOP	OJS22	210+52.61	37.65' RT	481899.06	815007.44	873.06	BOW	OJS35	211+20.57	25.24' RT	481900.10	815079.12	873.47	FOW
OJS10	210+23.28	19.08' RT	481923.81	814981.86	872.04	EOP	OJS23	210+52.72	30.15' RT	481906.39	815009.05	873.70	TOP	OJS36	211+24.91	32.09' RT	481892.78	815082.81	873.55	BOW
OJS11	210+04.74	29.00' RT	481918.93	814960.90	872.67	MATCH	OJS24	210+52.60	20.15' RT	481916.21	815010.93	873.56	TOP	OJS37	211+20.12	31.72' RT	481893.72	815077.90	873.57	BOW
OJS12	210+24.04	29.25' RT	481913.75	814980.23	872.81	MATCH	OJS25	210+72.96	30.15' RT	481902.44	815029.68	873.82	TOP	OJS38	211+11.07	21.58' RT	481904.93	815069.86	873.88	TOP
OJS13	210+24.04	35.25' RT	481907.92	814978.81	872.85	MATCH	OJS26	210+72.96	30.15' RT	481902.44	815029.68	873.26	FOW	OJS39	211+10.49	31.56' RT	481895.11	815067.98	874.03	TOP

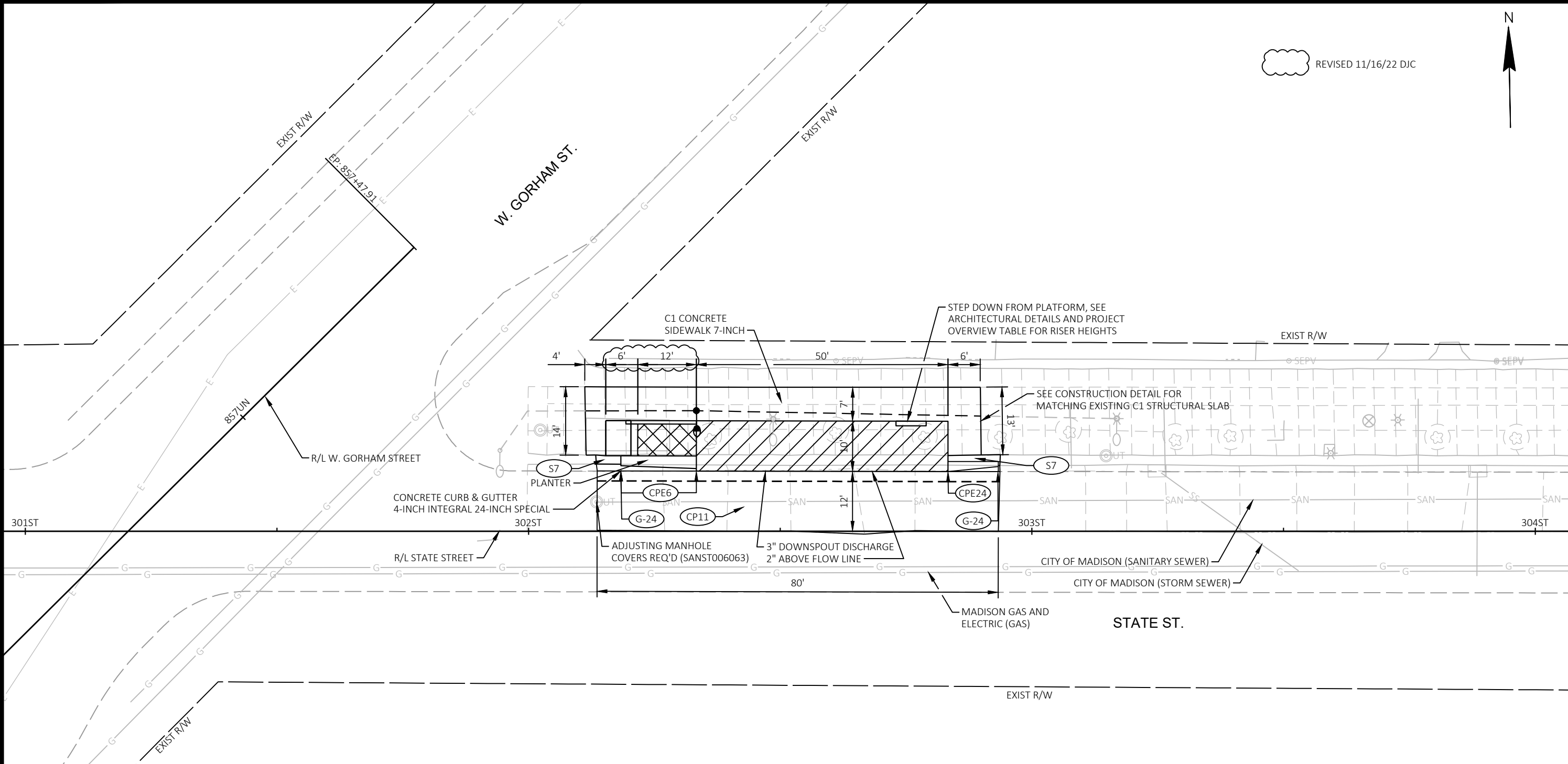
REVISED 03/01/2023 MEM

PLAN REVISION 1	03/01/23	MEM
REVISION	DATE	BY
Designed By: AECOM	Date: 2023-03-13	60631225P

60631225P
GRADING PLAN: EB W. JOHNSON STREET AT N. ORCHARD STREET
CITY OF MADISON, DANE COUNTY, WI
BUS RAPID TRANSIT
CONTRACT NO: 60631225C



60631225P
G-21W



REVISED 11/16/22 DJC



SITE PLAN LEGEND		
	REINFORCED CONCRETE PLATFORM TYPE X	
	CONCRETE PLATFORM RAMP (SLOPED WALKWAY)	
	CONCRETE PAVEMENT X-INCH, SEE GENERAL NOTES FOR STRUCTURE	
	X-INCH HMA PAVEMENT, SEE GENERAL NOTES FOR STRUCTURE	
	CONCRETE PAVEMENT X-INCH, COLORING CONCRETE WISDOT RED	
	CONCRETE SIDEWALK 5-INCH	
	CONCRETE SIDEWALK 7-INCH	
	TOPSOIL, SEEDING & EROSION MAT URBAN CLASS I TYPE A	
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	
	CLEAR AREA	
	LOCAL ROUTE BOARDING AREA	
	CONCRETE SIDEWALK X-INCH, STAMPING COLORED CONCRETE	
	TREES	
	TREE PROTECTION	
	← PLANT SYMBOL	
	← QUANTITY	
	CONCRETE DRIVEWAY 7-INCH	
	CONCRETE GUTTER 12-INCH OR 24-INCH (PAVED INTEGRAL TO LANE)	
	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D	
	CONCRETE CURB & GUTTER INTEGRAL 24-INCH OR 30-INCH TYPE J (MOUNTABLE)	
	CONCRETE CURB & GUTTER XX-INCH TYPE X	
	CONCRETE CURB PEDESTRIAN	
	CONCRETE CURB EXTENSION 6-INCH OR 24-INCH	
	CONCRETE CURB & GUTTER 24-INCH TYPE H SPECIAL	
	CONCRETE CURB & GUTTER INTEGRAL 18-INCH OR 24-INCH SPECIAL	
	BIKE RACK (MOUNTED TO CONCRETE)	
	SEE STORM SEWER SCHEDULE	

60631225P

SITE PLAN: WB STATE STREET AT GORHAM STREET

CITY OF MADISON

60631225P

1

PLAN REVISION 1

11/16/22

DJC

DATE

BY

MARK

Designed By: STRAW

Date: 2023-02-28

Scale: 1"=20 FT

60631225P

60631225C

CONTRACT NO: 60631225C

CITY OF MADISON, DANE COUNTY, WI

BUS RAPID TRANSIT

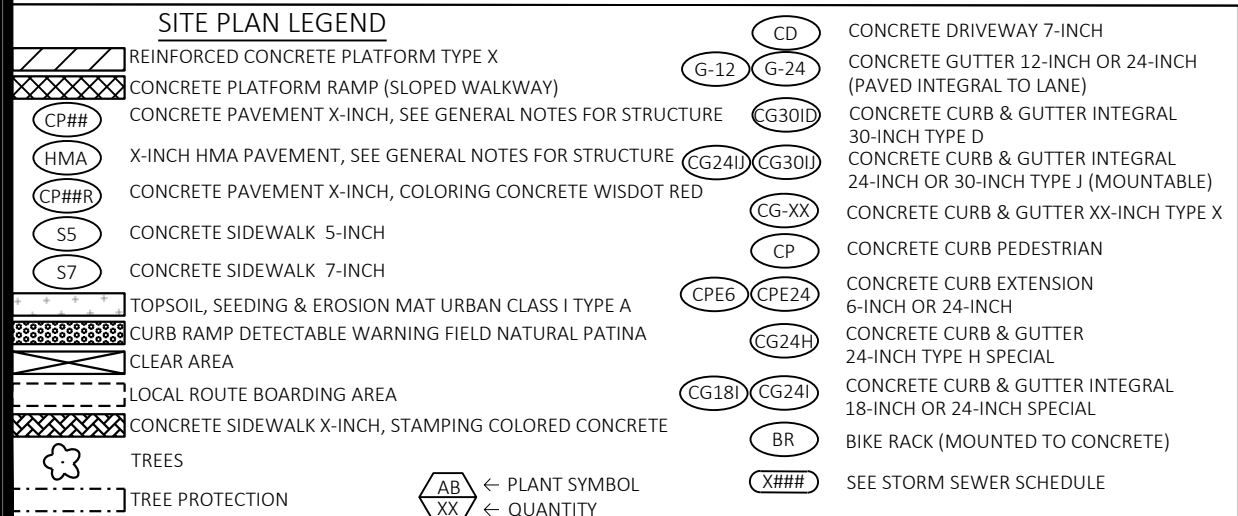
CITY OF MADISON

60631225P

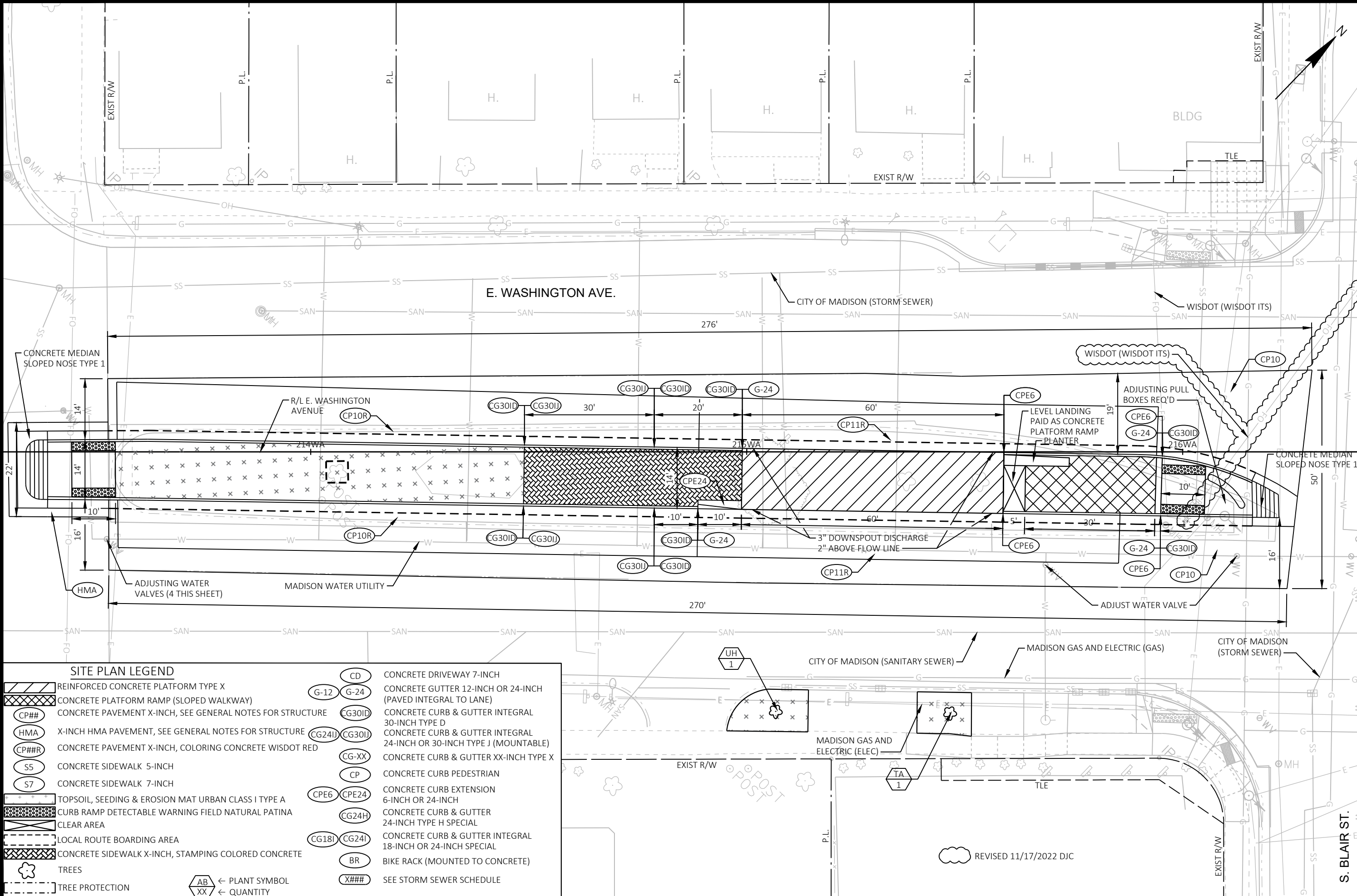
P1-E



60631225P
P2-E



	SITE PLAN: EB MAIN ST AT MARTIN LUTHER KING JR. BLVD	60631225P
	BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI
	CITY OF MADISON	CONTRACT NO: 60631225C
	60631225P	P5-E



1

PLAN REVISION 1

DATE

11/17/22

DJC

BY

MARK

Designed By: stramo

Date: 2023-02-28

Scale: 1"=20 FT

60631225P

SITE PLAN: EB E. WASHINGTON AVENUE AT BLAIR STREET CENTER RUNNING

60631225P

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

P7-E

CITY OF MADISON

WISCONSIN

REVIS

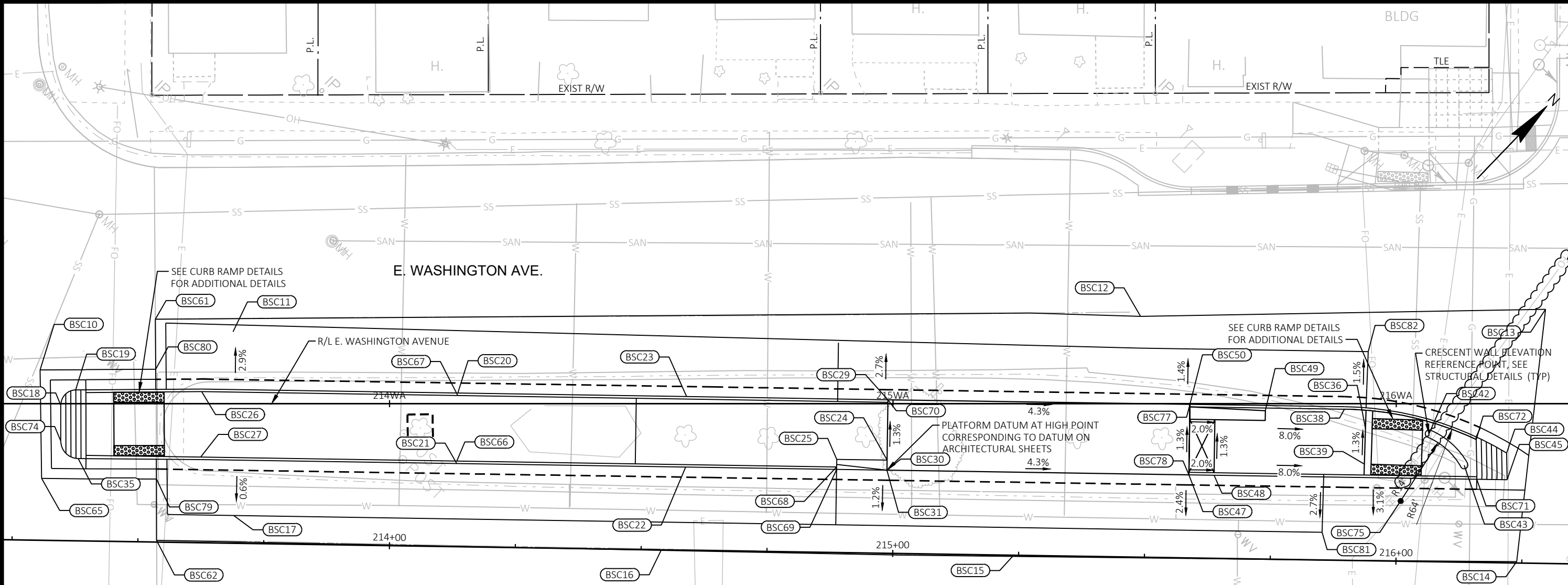
11/17/2022

DJC

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LAYOUT NAME - 050222.plt

LAST PLOT DATE - 2023-02-28



STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
BSC10	213+30.04	33.81' LT	484016.24	822383.27	871.34	MATCH
BSC11	213+68.26	41.96' LT	484048.25	822405.68	869.74	MATCH
BSC12	215+48.50	47.81' LT	484175.39	822533.56	862.38	MATCH
BSC13	216+28.95	50.45' LT	484232.17	822590.62	859.09	MATCH
BSC14	216+23.97	0.27' LT	484192.06	822621.19	859.31	MATCH
BSC15	215+24.03	0.02' RT	484123.72	822548.26	863.63	MATCH
BSC16	214+54.03	0.02' RT	484076.00	822497.05	866.80	MATCH
BSC17	213+68.95	5.50' LT	484022.04	822431.04	870.27	MATCH
BSC18	213+34.25	26.89' LT	484014.04	822391.07	871.32	FL
BSC19	213+37.18	29.94' LT	484018.28	822391.13	871.19	FL
BSC20	214+13.12	30.50' LT	484070.45	822446.31	868.29	FL
BSC21	214+13.12	16.49' LT	484060.20	822455.86	868.67	FL
BSC22	214+58.59	16.50' LT	484091.20	822489.13	866.73	FL
BSC23	214+58.59	30.50' LT	484101.44	822479.58	866.47	FL
BSC24	214+98.59	18.50' LT	484119.93	822517.03	865.99	BOC
BSC25	214+88.58	18.50' LT	484113.11	822509.71	865.75	BOC
BSC26	213+62.22	30.00' LT	484035.38	822409.41	870.81	BOC
BSC27	213+62.22	17.00' LT	484025.87	822418.27	871.09	BOC

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
BSC29	214+98.59	30.49' LT	484128.70	822508.85	864.83	FL
BSC30	214+98.59	16.50' LT	484118.46	822518.39	866.13	TOP
BSC31	214+98.59	16.50' LT	484118.46	822518.39	865.01	FL
BSC35	213+37.88	16.33' LT	484008.79	822400.92	871.34	FL
BSC36	215+93.53	26.22' LT	484190.30	822581.23	860.90	FOW
BSC38	215+89.29	30.00' LT	484190.17	822575.55	861.41	BOC
BSC39	215+93.43	19.15' LT	484185.06	822585.97	861.00	FOW
BSC42	216+06.17	25.37' LT	484198.29	822591.05	861.10	RADIUS
BSC43	216+13.24	19.25' LT	484198.63	822600.40	860.69	RADIUS
BSC44	216+21.66	21.79' LT	484206.23	822604.83	859.77	FL
BSC45	216+21.84	16.50' LT	484202.48	822608.57	859.74	FL
BSC47	215+58.59	16.50' LT	484159.36	822562.29	862.40	FL
BSC48	215+63.59	16.50' LT	484162.77	822565.95	862.17	FL
BSC49	215+73.59	29.49' LT	484179.10	822564.41	862.46	BOC
BSC50	215+58.59	30.50' LT	484169.61	822552.75	862.22	FL
BSC61	213+52.80	44.25' LT	484039.39	822392.80	870.29	MATCH
BSC62	213+53.71	0.34' LT	484007.89	822423.40	870.80	MATCH
BSC65	213+30.69	12.28' LT	484000.92	822398.42	871.58	MATCH

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
BSC66	214+13.12	17.00' LT	484060.57	822455.52	869.17	BOC
BSC67	214+13.12	29.99' LT	484070.08	822446.66	868.79	BOC
BSC68	214+88.58	17.00' LT	484112.01	822510.73	865.77	BOC
BSC69	214+88.58	16.50' LT	484111.64	822511.07	865.44	FL
BSC70	214+98.59	30.49' LT	484128.70	822508.85	865.95	TOP
BSC71	216+15.81	16.50' LT	484198.37	822604.15	860.02	FL
BSC72	216+15.57	24.35' LT	484203.95	822598.62	860.52	BOC
BSC74	213+34.38	19.77' LT	484008.92	822396.02	871.40	FL
BSC75	216+00.72	11.93' LT	484184.74	822596.23	0.00	RADIUS*
BSC76	215+89.29	34.00' RT	484143.35	822619.18	0.00	RADIUS*
BSC77	215+58.59	30.50' LT	484169.61	822552.75	863.34	TOP
BSC78	215+58.59	16.50' LT	484159.36	822562.29	863.52	TOP
BSC79	213+53.50	12.50' LT	484016.63	822414.97	870.83	MATCH
BSC80	213+53.02	34.30' LT	484032.26	822399.75	870.54	MATCH
BSC81	215+85.25	5.50' LT	484169.49	822589.29	861.01	EOP
BSC82	215+93.85	41.50' LT	484201.70	822571.05	860.61	EOP

* POINTS USED FOR CENTER MAY HAVE ZERO OR APPROXIMATED ELEVATIONS - THESE POINTS ARE INCLUDED IN THE TABLE FOR HORIZONTAL LOCATION. THE VERTICAL ELEVATION OF THESE POINTS ARE NOT INTENDED FOR CONSTRUCTION.

GRADING PLAN: EB E. WASHINGTON AVENUE AT BLAIR STREET CENTER RUNNING 60631225P

BUS RAPID TRANSIT

CITY OF MADISON



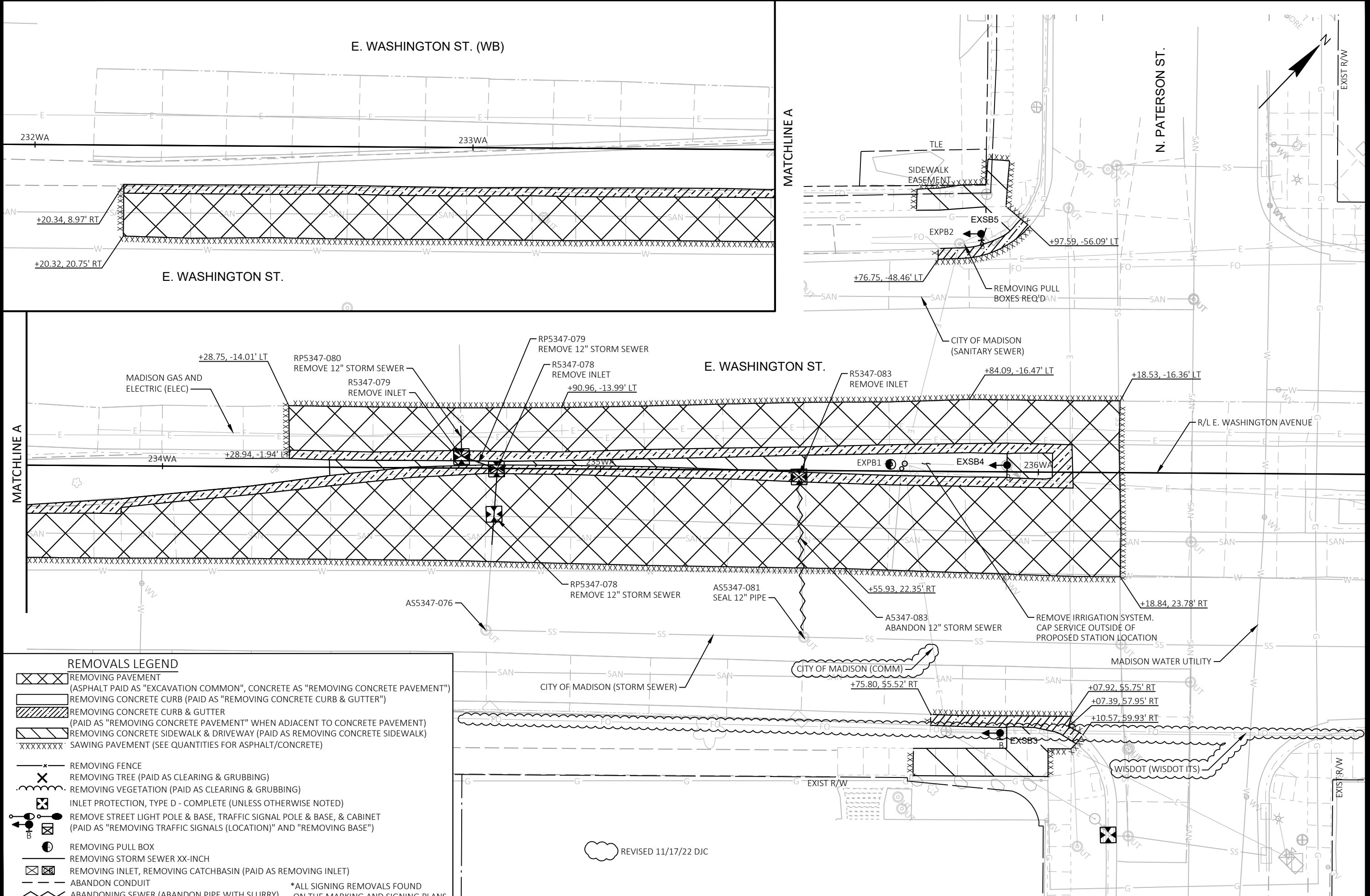
60631225P

G7-E

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

PLAN REVISION 1	DATE	BY
1	11/17/22	DJC
REVISION	2023-02-28	
MARK	Designed By: strwmo	Date: 2023-02-28
60631225P		Scale: 1"=20 FT



REMOVALS LEGEND

REMOVING PAVEMENT
(ASPHALT PAID AS "EXCAVATION COMMON", CONCRETE AS "REMOVING CONCRETE PAVEMENT")

REMOVING CONCRETE CURB (PAID AS "REMOVING CONCRETE CURB & GUTTER")

REMOVING CONCRETE CURB & GUTTER
(PAID AS "REMOVING CONCRETE PAVEMENT" WHEN ADJACENT TO CONCRETE PAVEMENT)

REMOVING CONCRETE SIDEWALK & DRIVEWAY (PAID AS REMOVING CONCRETE SIDEWALK)

SAWING PAVEMENT (SEE QUANTITIES FOR ASPHALT/CONCRETE)

REMOVING FENCE

REMOVING TREE (PAID AS CLEARING & GRUBBING)

REMOVING VEGETATION (PAID AS CLEARING & GRUBBING)

INLET PROTECTION, TYPE D - COMPLETE (UNLESS OTHERWISE NOTED)

REMOVE STREET LIGHT POLE & BASE, TRAFFIC SIGNAL POLE & BASE, & CABINET
(PAID AS "REMOVING TRAFFIC SIGNALS (LOCATION)" AND "REMOVING BASE")

REMOVING PULL BOX

REMOVING STORM SEWER XX-INCH

REMOVING INLET, REMOVING CATCHBASIN (PAID AS REMOVING INLET)

ABANDON CONDUIT

ABANDONING SEWER (ABANDON PIPE WITH SLURRY)

REVISED 11/17/22 DJC

*ALL SIGNING REMOVALS FOUND
ON THE MARKING AND SIGNING PLANS

60631225P

CONTRACT NO: 60631225C

REMOVAL PLAN: E. WASHINGTON AVENUE AT PATERSON STREET

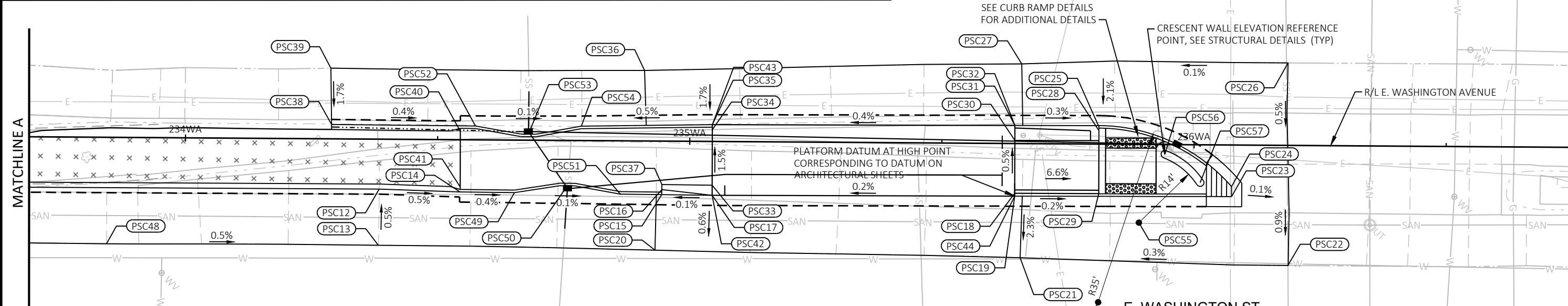
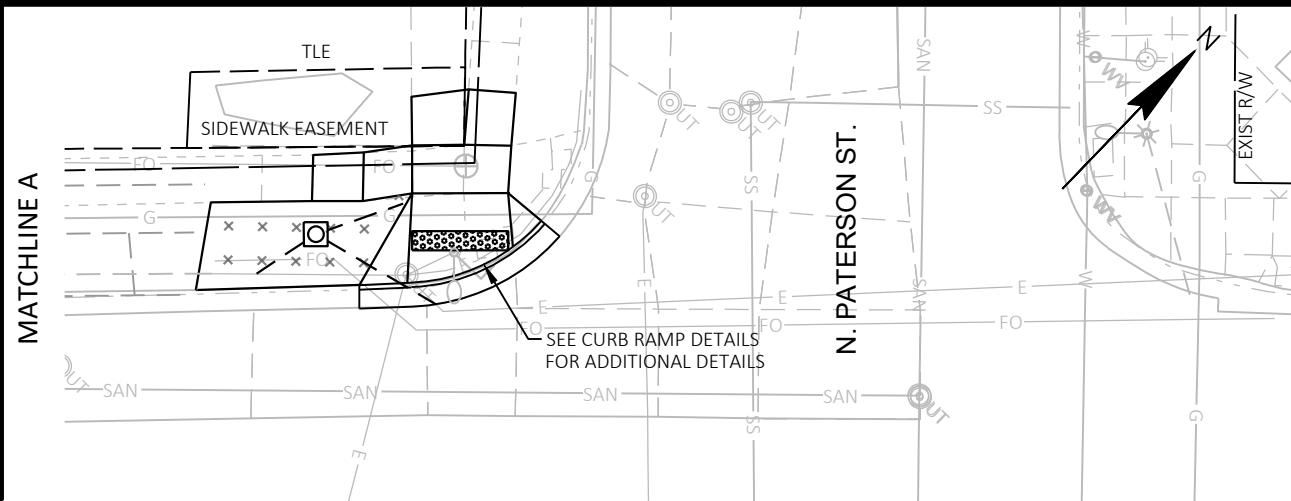
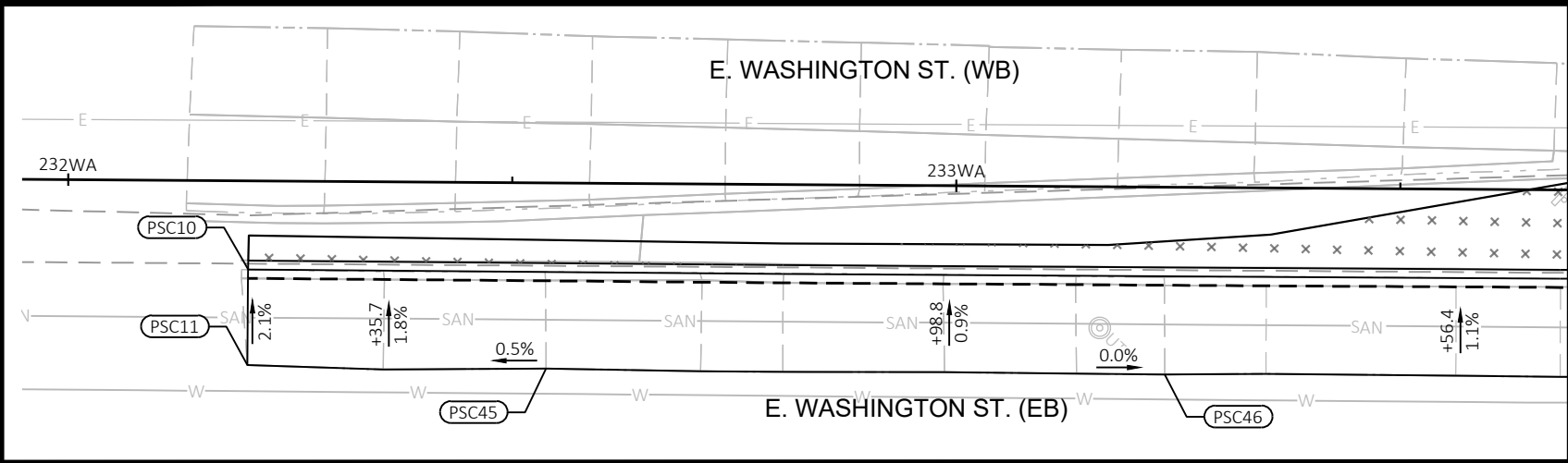
BUS RAPID TRANSIT

CITY OF MADISON

60631225P

R8-E

DUC	PLAN REVISION 1	11/17/22	DJC
MARK	REVISION	DATE	BY
Designed By: stramo Date: 2023-02-28			
Scale: 1"=20 FT			



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
PSC10	232+20.34 WA	9.97' RT	485313.53	823757.54	849.63	FL
PSC11	232+20.32 WA	20.75' RT	485305.75	823764.99	849.86	MATCH
PSC12	234+38.47 WA	9.89' RT	485464.72	823914.78	849.76	FL
PSC13	234+38.38 WA	21.02' RT	485456.64	823922.42	849.74	MATCH
PSC14	234+54.52 WA	10.34' RT	485475.51	823926.66	849.62	FL
PSC15	234+94.52 WA	10.60' RT	485503.04	823955.68	849.56	FL
PSC16	234+94.52 WA	9.60' RT	485503.76	823955.00	849.88	BOC
PSC17	235+04.52 WA	10.68' RT	485509.91	823962.95	849.56	FL
PSC18	235+64.51 WA	9.87' RT	485552.07	824005.65	850.78	BOC
PSC19	235+64.52 WA	10.41' RT	485551.68	824006.03	849.66	FL
PSC20	234+93.24 WA	21.61' RT	485494.22	823962.39	849.54	MATCH
PSC21	235+65.64 WA	22.61' RT	485543.66	824015.30	849.38	MATCH
PSC22	236+18.78 WA	23.78' RT	485579.63	824054.42	849.54	MATCH
PSC23	236+07.52 WA	10.22' RT	485581.61	824036.90	849.64	FL
PSC24	236+07.51 WA	8.22' RT	485583.04	824035.51	849.63	FL
PSC25	235+81.02 WA	3.67' LT	485573.26	824008.18	849.52	FL
PSC26	236+18.53 WA	16.36' LT	485608.40	824026.43	849.84	MATCH
PSC27	235+65.74 WA	15.80' LT	485571.43	823988.75	849.77	MATCH
PSC28	235+81.12 WA	2.67' LT	485572.61	824008.94	849.93	FOW

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
PSC29	235+81.18 WA	9.81' RT	485563.65	824017.63	849.67	BOC
PSC30	235+64.47 WA	0.61' LT	485559.59	823998.35	850.73	TOP
PSC31	235+64.45 WA	3.59' LT	485561.73	823996.28	850.71	TOP
PSC32	235+64.45 WA	3.59' LT	485561.73	823996.28	849.59	FL
PSC33	235+04.50 WA	8.68' RT	485511.34	823961.55	850.65	BOC
PSC34	235+04.46 WA	2.32' LT	485519.25	823953.90	850.13	BOC
PSC35	235+04.45 WA	3.32' LT	485519.96	823953.20	849.35	FL
PSC36	234+90.96 WA	13.99' LT	485518.30	823936.08	849.50	MATCH
PSC37	234+94.53 WA	8.60' RT	485504.49	823954.31	849.86	BOC
PSC38	234+28.94 WA	2.85' LT	485467.31	823899.08	849.35	FL
PSC39	234+28.75 WA	14.00' LT	485475.22	823891.22	849.54	MATCH
PSC40	234+54.48 WA	1.66' LT	485484.14	823918.31	849.71	BOC
PSC41	234+54.52 WA	9.34' RT	485476.24	823925.97	849.94	BOC
PSC42	235+04.52 WA	10.68' RT	485509.91	823962.95	850.68	TOP
PSC43	235+04.45 WA	3.32' LT	485519.96	823953.20	850.48	TOP
PSC44	235+64.52 WA	10.41' RT	485551.68	824006.02	850.79	TOP
PSC45	232+53.96 WA	20.89' RT	485328.96	823789.35	850.02	MATCH
PSC46	233+23.61 WA	21.10' RT	485377.06	823839.71	850.17	MATCH
PSC48	233+84.49 WA	21.08' RT	485419.26	823883.60	850.03	MATCH

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
PSC49	234+65.30 WA	10.41' RT	485482.94	823934.48	849.58	FL
PSC50	234+75.81 WA	8.97' RT	485491.26	823941.06	849.34	FL
PSC51	234+86.30 WA	10.54' RT	485497.39	823949.72	849.55	FL
PSC52	234+57.49 WA	2.73' LT	485487.00	823919.74	849.24	FL
PSC53	234+67.99 WA	1.21' LT	485493.17	823928.37	849.00	FL
PSC54	234+78.49 WA	2.86' LT	485501.65	823934.80	849.22	FL
PSC55	235+89.18 WA	15.53' RT	485565.08	824027.36	849.56	RADIUS*
PSC56	235+94.21 WA	1.92' RT	485578.37	824021.56	850.00	RADIUS
PSC57	236+01.24 WA	7.49' RT	485579.22	824030.48	850.10	RADIUS
PSC62	235+81.18 WA	31.33' RT	485548.13	824032.54	849.23	RADIUS

* POINTS USED FOR CENTER MAY HAVE ZERO OR APPROXIMATED ELEVATIONS - THESE POINTS ARE INCLUDED IN THE TABLE FOR HORIZONTAL LOCATION. THE VERTICAL ELEVATION OF THESE POINTS ARE NOT INTENDED FOR CONSTRUCTION.

60631225P

CITY OF MADISON

60631225P

SITE PLAN: E. WASHINGTON AVENUE AT PATERSON STREET

BUS RAPID TRANSIT

CITY OF MADISON

11/17/22

DATE

11/17/22

DATE

11/17/22

DATE

PLAN REVISION 1

REVISION

1

REVISION

1

REVISION

60631225P

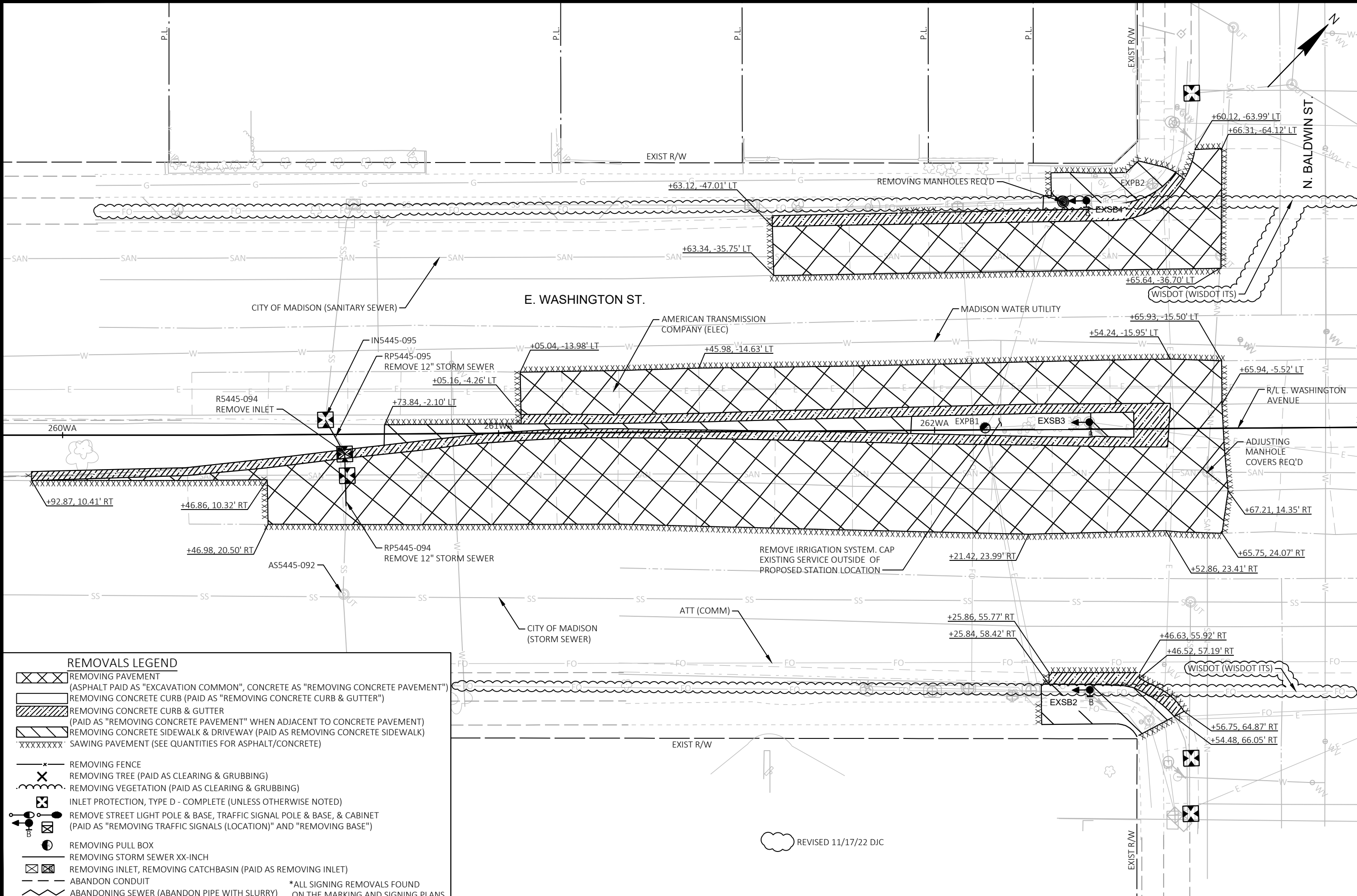
CONTRACT NO: 60631225C

G8-E

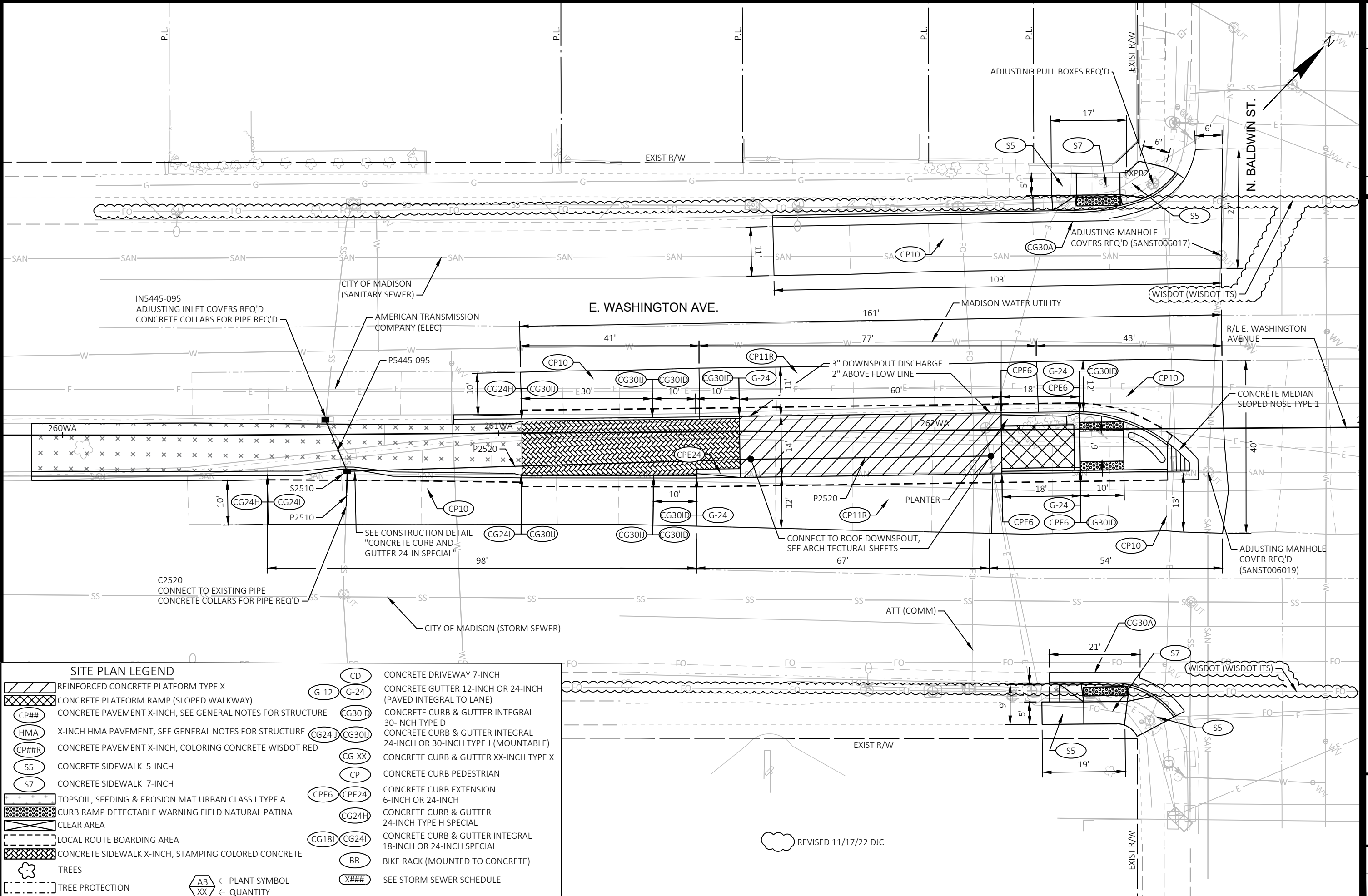
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LAST PLOT DATE: 2023-02-28

LAYOUT NAME: 050226.plt

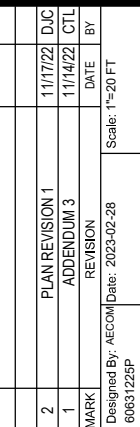


60631225P		CITY OF MADISON, DANE COUNTY, WI		CONTRACT NO: 60631225C	
REMOVAL PLAN: E. WASHINGTON AVENUE AT BALDWIN STREET		BUS RAPID TRANSIT		CITY OF MADISON	
11/17/22		DATE		BY	
PLAN REVISION 1		REVISION		Scale: 1"=20 FT	
MARK		Designed By: strawo		Date: 2023-02-28	
60631225P		60631225P		60631225P	



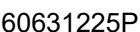
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SITE PLAN: E. WASHINGTON AVENUE AT BALDWIN STREET	CITY OF MADISON, DANE COUNTY, WI	CONTRACT NO: 60631225C	
BUS RAPID TRANSIT			
CITY OF MADISON			
60631225P	P9-E		

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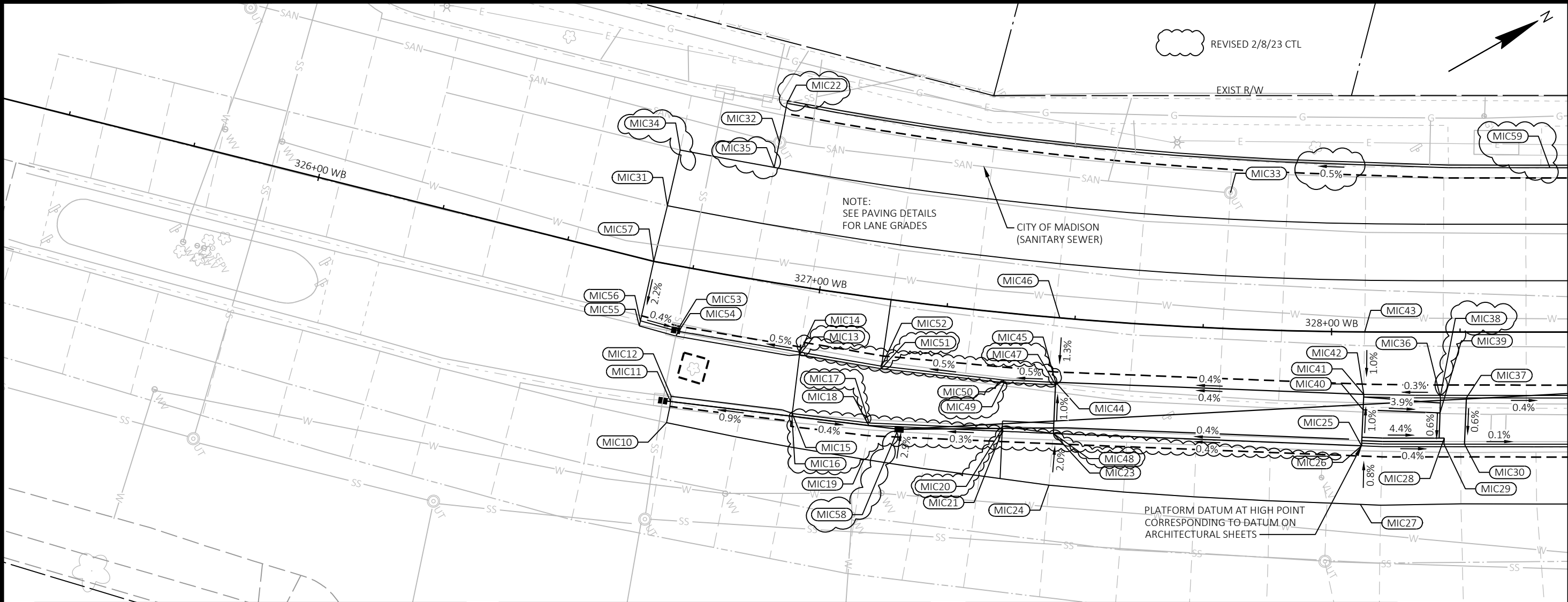


CONTRACT NO: 60631225C

CITY OF MADISON



P10-E



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MIC10	326+75.33 WB	30.41' RT	491958.41	830485.61	862.40	MATCH
MIC11	326+75.35 WB	26.19' RT	491961.13	830482.39	862.28	MATCH
MIC12	326+75.29 WB	25.19' RT	491961.73	830481.58	862.80	MATCH
MIC13	326+98.00 WB	13.07' RT	491987.45	830486.84	862.51	BOC
MIC14	326+97.99 WB	12.57' RT	491987.75	830486.44	862.18	FL
MIC15	326+98.33 WB	24.62' RT	491980.58	830496.13	862.83	BOC
MIC16	326+98.35 WB	25.12' RT	491980.29	830496.54	862.50	FL H.P.
MIC17	327+12.90 WB	24.33' RT	491992.68	830505.07	862.77	BOC
MIC18	327+12.93 WB	24.83' RT	491992.40	830505.49	862.44	FL
MIC19	327+12.80 WB	31.47' RT	491988.29	830510.71	862.64	MATCH
MIC20	327+37.99 WB	22.49' RT	492014.68	830518.83	862.82	BOC
MIC21	327+38.02 WB	22.99' RT	492014.41	830519.25	862.49	FL
MIC22	326+87.78 WB	34.88' LT	492009.46	830443.06	861.30	MATCH
MIC23	327+47.71 WB	22.51' RT	492022.89	830524.55	862.53	FL
MIC24	327+47.68 WB	32.60' RT	492017.17	830532.85	862.73	MATCH
MIC25	328+06.00 WB	22.15' RT	492073.89	830556.16	863.89	TOP
MIC26	328+06.00 WB	22.15' RT	492073.89	830556.17	862.77	FL H.P.

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MIC27	328+05.84 WB	33.54' RT	492068.07	830565.96	862.86	MATCH
MIC28	328+21.91 WB	20.63' RT	492088.63	830562.78	863.21	BOC
MIC29	328+21.86 WB	21.80' RT	492088.00	830563.77	863.21	FL
MIC30	328+25.87 WB	21.84' RT	492091.48	830565.78	863.16	FOW
MIC31	326+67.81 WB	11.13' LT	491979.36	830448.94	862.08	MATCH
MIC32	326+87.60 WB	27.11' LT	492004.45	830449.00	861.58	UT
MIC33	327+79.19 WB	26.47' LT	492075.96	830500.73	861.91	UT
MIC34	326+68.27 WB	22.23' LT	491986.88	830440.76	861.69	MATCH
MIC35	326+87.34 WB	22.14' LT	492001.12	830452.70	861.72	MATCH
MIC36	328+21.21 WB	12.80' RT	492091.87	830555.61	863.26	FOW
MIC37	328+26.23 WB	12.80' RT	492096.24	830558.09	863.24	BOC
MIC38	328+21.21 WB	12.29' RT	492092.12	830555.18	862.76	FL H.P.
MIC39	328+21.10 WB	15.72' RT	492090.34	830558.11	863.24	FOW
MIC40	328+06.24 WB	15.15' RT	492077.60	830550.22	863.82	TOP
MIC41	328+06.35 WB	12.15' RT	492079.19	830547.68	863.79	FOW
MIC42	328+06.35 WB	12.15' RT	492079.19	830547.68	862.67	FL
MIC43	328+06.42 WB	0.00'	492085.31	830537.18	862.80	EOP

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MIC44	327+47.31 WB	12.52' RT	492028.19	830516.07	863.56	TOP
MIC45	327+47.31 WB	12.52' RT	492028.19	830516.07	862.43	FL
MIC46	327+47.07 WB	0.00'	492035.07	830505.60	862.60	EOP
MIC47	327+47.31 WB	13.02' RT	492027.91	830516.48	862.76	BOC
MIC48	327+47.71 WB	22.51' RT	492022.89	830524.55	863.66	TOP
MIC49	327+37.51 WB	13.51' RT	492019.44	830511.19	862.71	BOC
MIC50	327+37.48 WB	13.01' RT	492019.71	830510.77	862.38	FL
MIC51	327+13.85 WB	13.55' RT	491999.94	830497.05	862.59	BOC
MIC52	327+13.85 WB	13.05' RT	492000.25	830496.65	862.26	FL
MIC53	326+74.12 WB	12.51' RT	491968.96	830471.09	862.05	FL L.P.
MIC54	326+74.08 WB	13.51' RT	491968.28	830471.83	862.54	BOC
MIC55	0+00.00 WB	0.00'	491963.09	830466.60	862.55	MATCH
MIC56	0+00.00 WB	0.00'	491963.76	830465.86	862.17	MATCH
MIC57	326+67.23 WB	41.25' LT	491971.73	830457.06	862.34	MATCH
MIC58	327+18.65 WB	24.33' RT	491997.43	830508.63	862.41	FL L.P.
MIC59	328+42.47 WB	32.00' LT	492132.43	830527.09	861.99	FL H.P.

MATCHLINE 328+50

60631225P

GRADING PLAN: E. WASHINGTON AVENUE AT MILWAUKEE STREET

BUS RAPID TRANSIT

60631225P

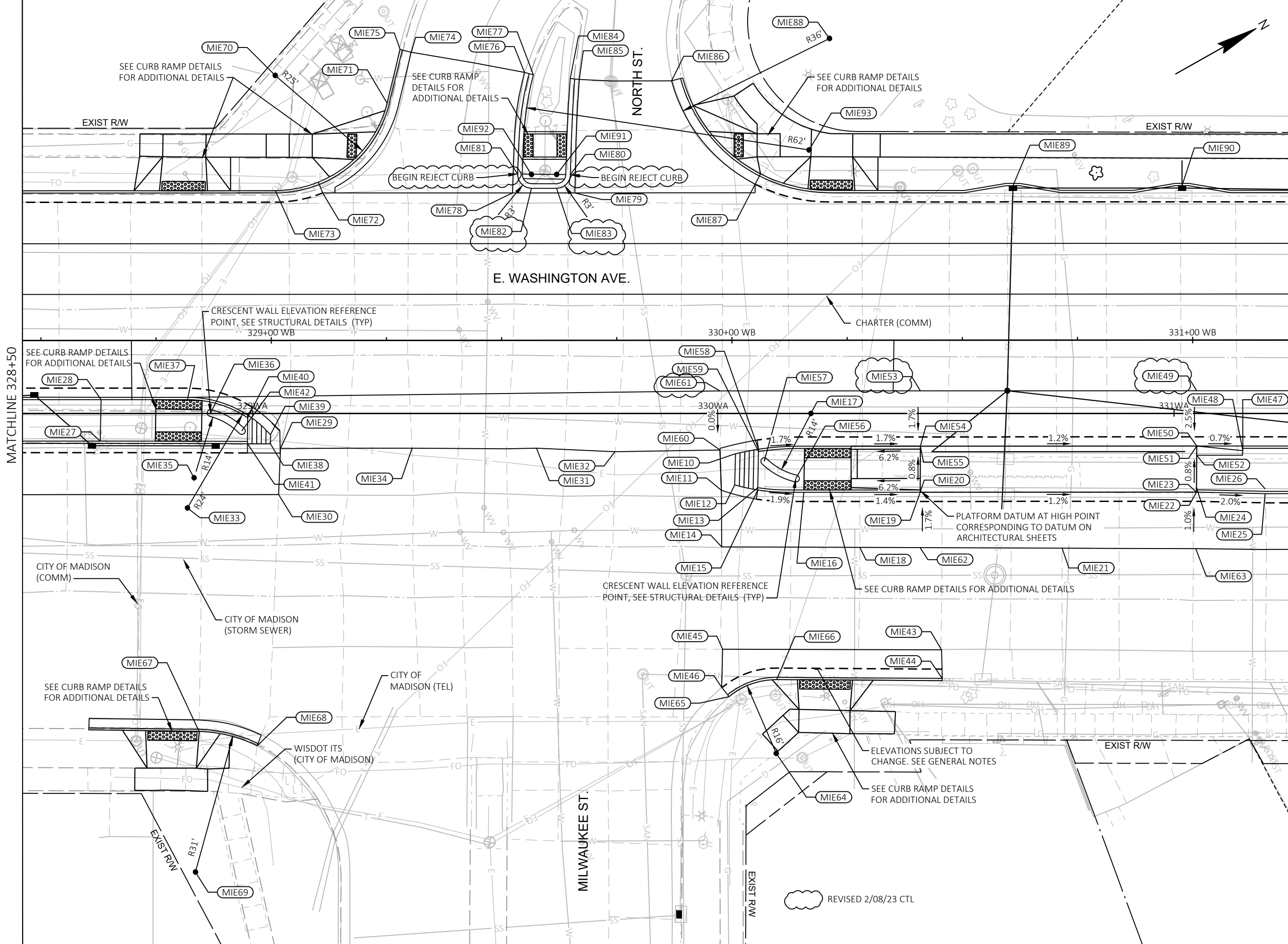
CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

G12-E

PLAN REVISION 1	2/8/23	CTL
REVISION	DATE	BY
1	2023-02-28	60631225P

Designed By: stramo Date: 2023-02-28 Scale: 1"=20 FT



MARK	REVISION	DATE	BY
2	PLAN REVISION 1	2/8/23	CTL
1	APPENDIX 3	11/7/22	DJC
	REVISION		

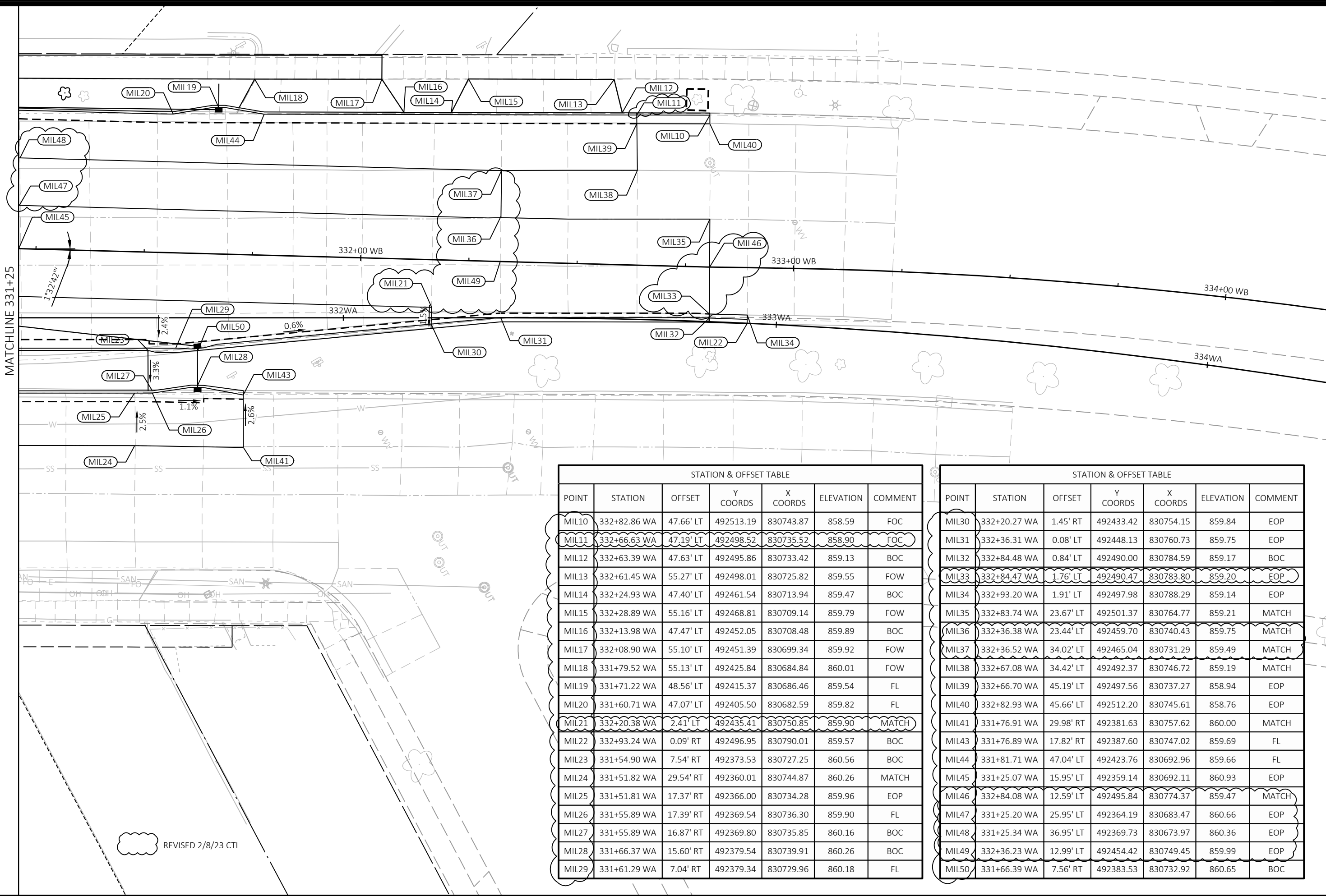
Designed By: stramo Date: 2023-02-28
60631225P Scale: 1"=20 FT

60631225P
GRADING PLAN: E. WASHINGTON AVENUE AT MILWAUKEE STREET
CITY OF MADISON, DANE COUNTY, WI
BUS RAPID TRANSIT
CITY OF MADISON
CONTRACT NO: 60631225C



60631225P
G13-E

MATCHLINE 331+25



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MIL10	332+82.86 WA	47.66' LT	492513.19	830743.87	858.59	FOC
MIL11	332+66.63 WA	47.19' LT	492498.52	830735.52	858.90	FOC
MIL12	332+63.39 WA	47.63' LT	492495.86	830733.42	859.13	BOC
MIL13	332+61.45 WA	55.27' LT	492498.01	830725.82	859.55	FOW
MIL14	332+24.93 WA	47.40' LT	492461.54	830713.94	859.47	BOC
MIL15	332+28.89 WA	55.16' LT	492468.81	830709.14	859.79	FOW
MIL16	332+13.98 WA	47.47' LT	492452.05	830708.48	859.89	BOC
MIL17	332+08.90 WA	55.10' LT	492451.39	830699.34	859.92	FOW
MIL18	331+79.52 WA	55.13' LT	492425.84	830684.84	860.01	FOW
MIL19	331+71.22 WA	48.56' LT	492415.37	830686.46	859.54	FL
MIL20	331+60.71 WA	47.07' LT	492405.50	830682.59	859.82	FL
MIL21	332+20.38 WA	2.41' LT	492435.41	830750.85	859.90	MATCH
MIL22	332+93.24 WA	0.09' RT	492496.95	830790.01	859.57	BOC
MIL23	331+54.90 WA	7.54' RT	492373.53	830727.25	860.56	BOC
MIL24	331+51.82 WA	29.54' RT	492360.01	830744.87	860.26	MATCH
MIL25	331+51.81 WA	17.37' RT	492366.00	830734.28	859.96	EOP
MIL26	331+55.89 WA	17.39' RT	492369.54	830736.30	859.90	FL
MIL27	331+55.89 WA	16.87' RT	492369.80	830735.85	860.16	BOC
MIL28	331+66.37 WA	15.60' RT	492379.54	830739.91	860.26	BOC
MIL29	331+61.29 WA	7.04' RT	492379.34	830729.96	860.18	FL

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MIL30	332+20.27 WA	1.45' RT	492433.42	830754.15	859.84	EOP
MIL31	332+36.31 WA	0.08' LT	492448.13	830760.73	859.75	EOP
MIL32	332+84.48 WA	0.84' LT	492490.00	830784.59	859.17	BOC
MIL33	332+84.47 WA	1.76' LT	492490.47	830783.80	859.20	EOP
MIL34	332+93.20 WA	1.91' LT	492497.98	830788.29	859.14	EOP
MIL35	332+83.74 WA	23.67' LT	492501.37	830764.77	859.21	MATCH
MIL36	332+36.38 WA	23.44' LT	492459.70	830740.43	859.75	MATCH
MIL37	332+36.52 WA	34.02' LT	492465.04	830731.29	859.49	MATCH
MIL38	332+67.08 WA	34.42' LT	492492.37	830746.72	859.19	MATCH
MIL39	332+66.70 WA	45.19' LT	492497.56	830737.27	858.94	EOP
MIL40	332+82.93 WA	45.66' LT	492512.20	830745.61	858.76	EOP
MIL41	331+76.91 WA	29.98' RT	492381.63	830757.62	860.00	MATCH
MIL43	331+76.89 WA	17.82' RT	492387.60	830747.02	859.69	FL
MIL44	331+81.71 WA	47.04' LT	492423.76	830692.96	859.66	FL
MIL45	331+25.07 WA	15.95' LT	492359.14	830692.11	860.93	EOP
MIL46	332+84.08 WA	12.59' LT	492495.84	830774.37	859.47	MATCH
MIL47	331+25.20 WA	25.95' LT	492364.19	830683.47	860.66	EOP
MIL48	331+25.34 WA	36.95' LT	492369.73	830673.97	860.36	EOP
MIL49	332+36.23 WA	12.99' LT	492454.42	830749.45	859.99	EOP
MIL50	331+66.39 WA	7.56' RT	492383.53	830732.92	860.65	BOC

60631225P

GRADING PLAN: E. WASHINGTON AVENUE AT MILWAUKEE STREET

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

G14-E

PLAN REVISION 1

2/8/23

DATE

BY

REVISION

2023-02-28

Scale: 1"=20 FT

MARK

Designed By: strawo

60631225P

CITY OF MADISON WISCONSIN

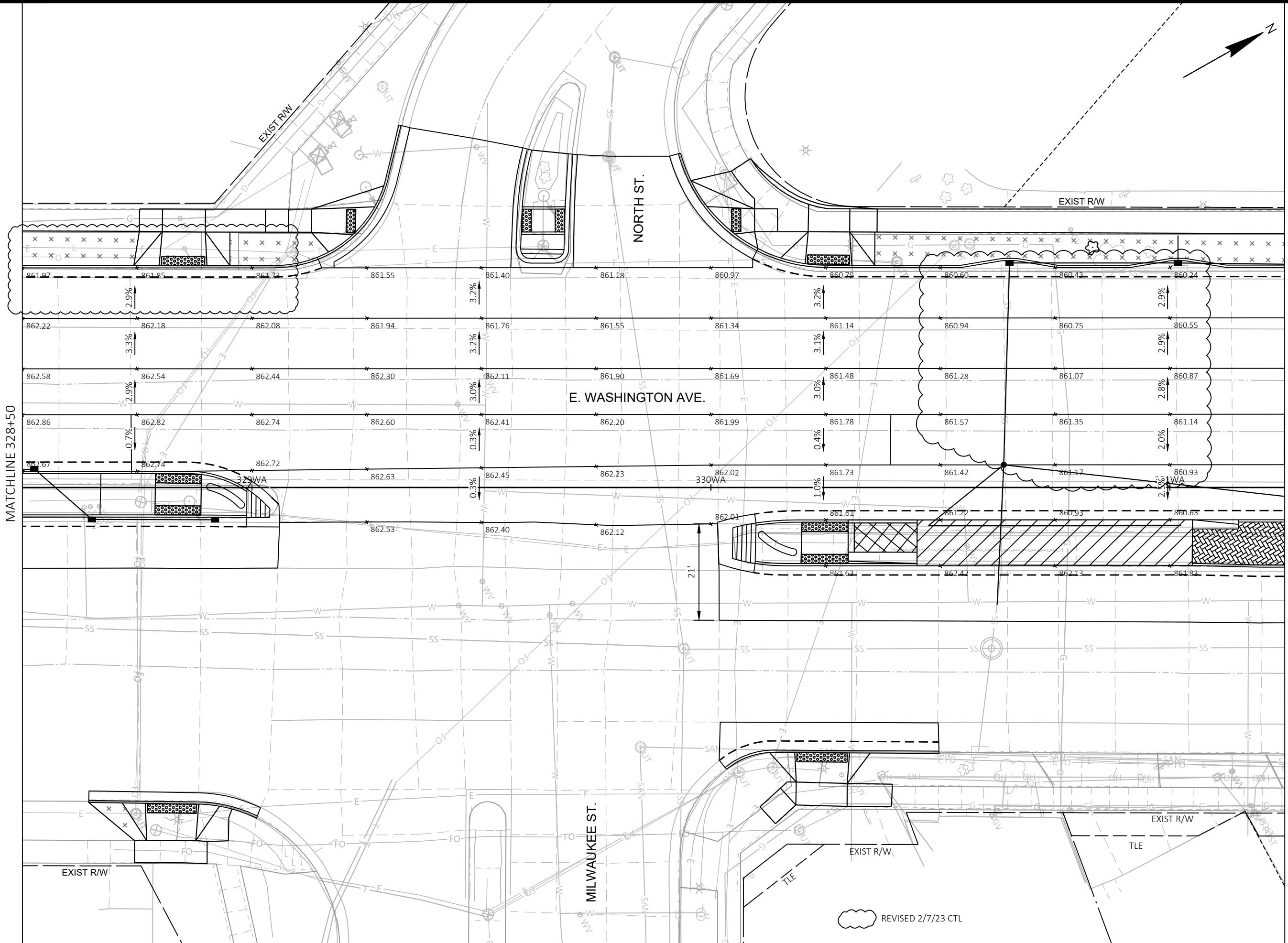
60631225P

G14-E

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LAYOUT NAME - 050238C_pn

LAST PLOT DATE - 2023-02-28



MATCHLINE 328+50

MATCHLINE 331+25

2	PLAN REVISION 1	2/8/23	CTL
1	ADDENDUM 3	11/11/22	DJC
MARK	REVISION	DATE	BY
Designed By: STRAIN Date: 2023-02-28 Scale: 1"=20 FT			
60631225P			

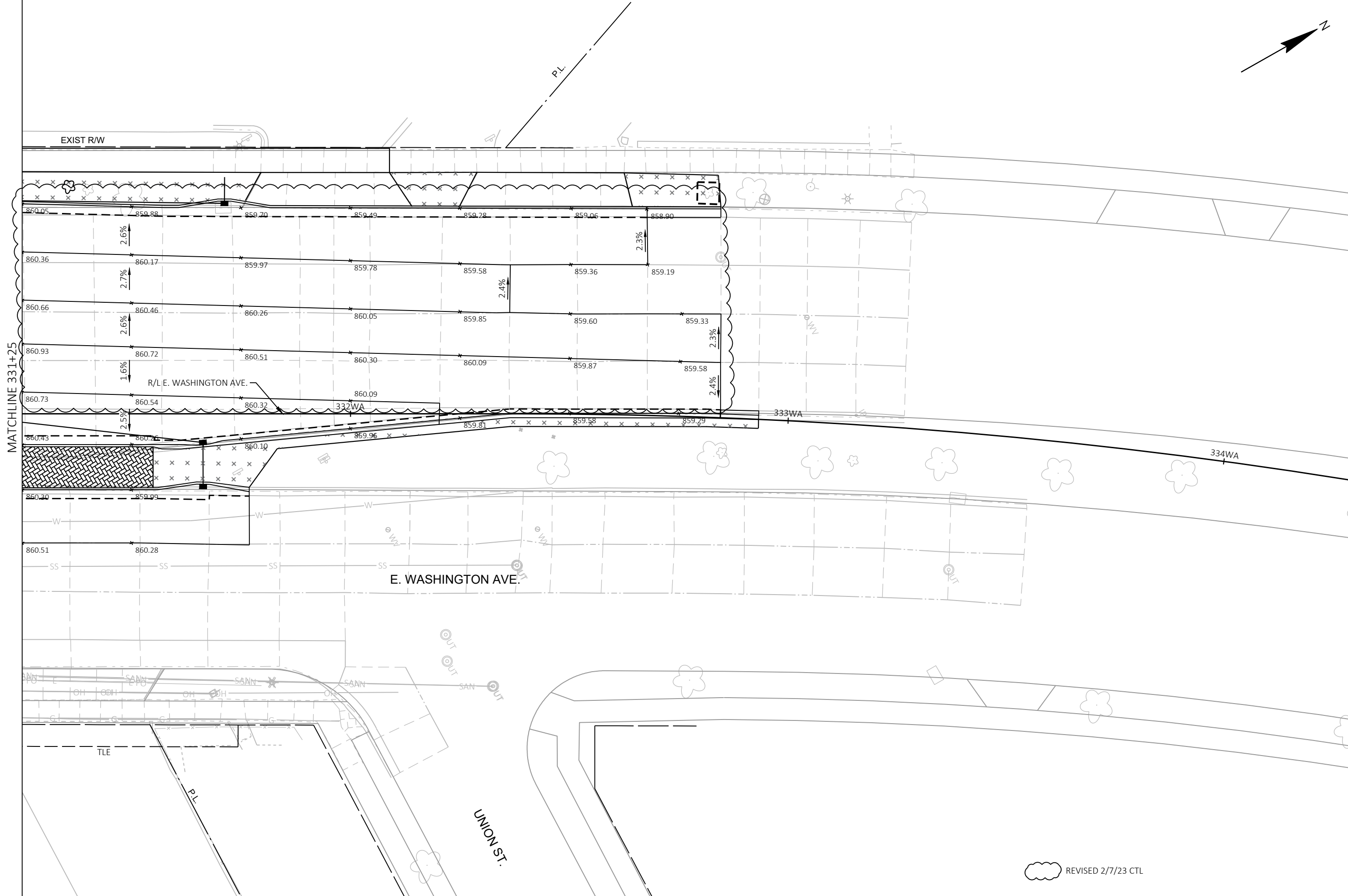
PAVING DETAIL: E. WASHINGTON AVENUE AT MILWAUKEE STREET 60631225P

BUS RAPID TRANSIT CITY OF MADISON, DANE COUNTY, WI

CITY OF MADISON CONTRACT NO: 60631225C



60631225P
PD13-E

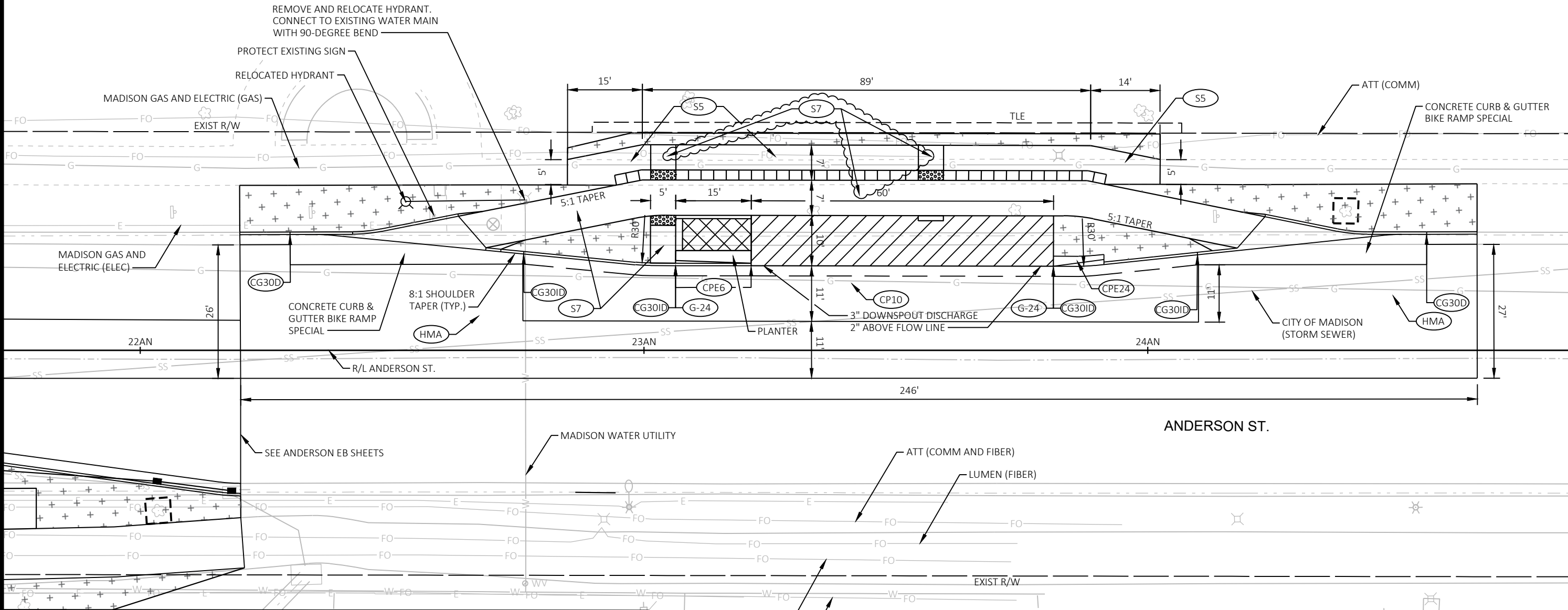


MATCHLINE 331+25

60631225P		60631225P	
PAVING DETAIL: E. WASHINGTON AVENUE AT MILWAUKEE STREET		CITY OF MADISON, DANE COUNTY, WI	
BUS RAPID TRANSIT		CONTRACT NO: 60631225C	
CITY OF MADISON		CITY OF MADISON	
60631225P		60631225P	
PD14-E		PD14-E	
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LAYOUT NAME - 050238d_pn		LAYOUT NAME - 050238d_pn	
LAST PLOT DATE - 2023-02-28		LAST PLOT DATE - 2023-02-28	
DESIGNED BY: STRAIN		DESIGNED BY: STRAIN	
DATE: 2023-02-28		DATE: 2023-02-28	
REVISION		REVISION	
PLAN REVISION 1		PLAN REVISION 1	
2/8/23		2/8/23	
DATE		DATE	
BY		BY	
60631225P		60631225P	
60631225P		60631225P	

REVISED 2/7/23 CTL

REVISED 11/07/22 DJC



SITE PLAN LEGEND

	REINFORCED CONCRETE PLATFORM TYPE X		CONCRETE DRIVEWAY 7-INCH
	CONCRETE PLATFORM RAMP (SLOPED WALKWAY)		CONCRETE GUTTER 12-INCH OR 24-INCH (PAVED INTEGRAL TO LANE)
	CONCRETE PAVEMENT X-INCH, SEE GENERAL NOTES FOR STRUCTURE		CONCRETE GUTTER 12-INCH OR 24-INCH (PAVED INTEGRAL TO LANE)
	X-INCH HMA PAVEMENT, SEE GENERAL NOTES FOR STRUCTURE		CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
	CONCRETE PAVEMENT X-INCH, COLORING CONCRETE WISDOT RED		CONCRETE CURB & GUTTER INTEGRAL 24-INCH OR 30-INCH TYPE J (MOUNTABLE)
	CONCRETE SIDEWALK 5-INCH		CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE J (MOUNTABLE)
	CONCRETE SIDEWALK 7-INCH		CONCRETE CURB & GUTTER XX-INCH TYPE X
	TOPSOIL, SEEDING & EROSION MAT URBAN CLASS I TYPE A		CONCRETE CURB PEDESTRIAN
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA		CONCRETE CURB EXTENSION 6-INCH OR 24-INCH
	CLEAR AREA		CONCRETE CURB EXTENSION 6-INCH OR 24-INCH
	LOCAL ROUTE BOARDING AREA		CONCRETE CURB & GUTTER 24-INCH TYPE H SPECIAL
	CONCRETE SIDEWALK X-INCH, STAMPING COLORED CONCRETE		CONCRETE CURB & GUTTER INTEGRAL 24-INCH TYPE H SPECIAL
	TREES		CONCRETE CURB & GUTTER INTEGRAL 18-INCH OR 24-INCH SPECIAL
	TREE PROTECTION		CONCRETE CURB & GUTTER INTEGRAL 18-INCH OR 24-INCH SPECIAL
	← PLANT SYMBOL		BIKE RACK (MOUNTED TO CONCRETE)
	← QUANTITY		SEE STORM SEWER SCHEDULE

60631225P

SITE PLAN: WB ANDERSON STREET AT WRIGHT STREET

BUS RAPID TRANSIT

60631225P

P18-E

60631225P

CITY OF MADISON, DANE COUNTY, WI

BUS RAPID TRANSIT

60631225P

P18-E

60631225P

CITY OF MADISON

BUS RAPID TRANSIT

60631225P

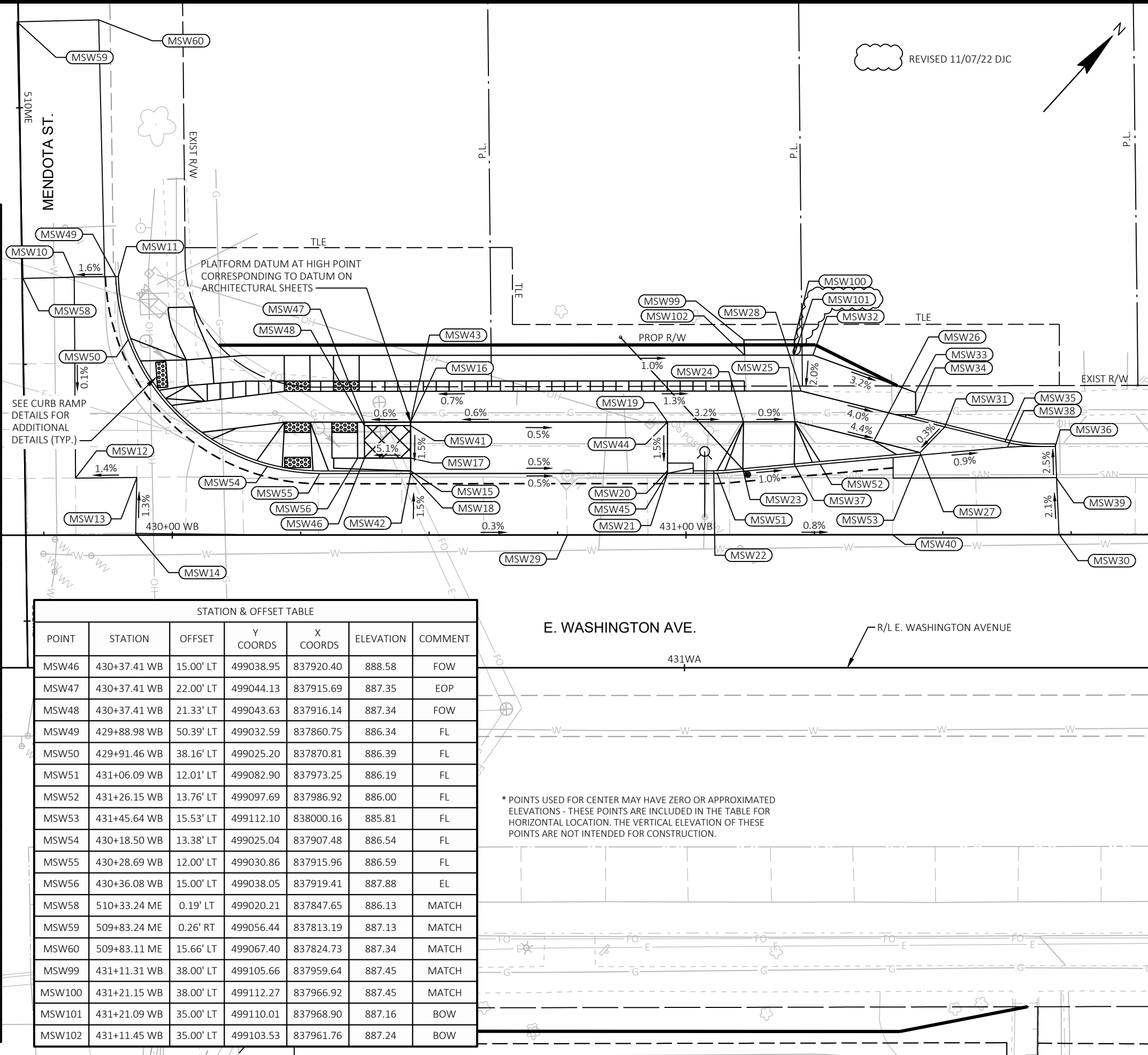
P18-E

PLAN REVISION 1	DJC	DATE	BY
1	11/7/22	11/7/22	DJC
REVISION	DATE	BY	DATE
2023-02-28	2023-02-28	2023-02-28	2023-02-28

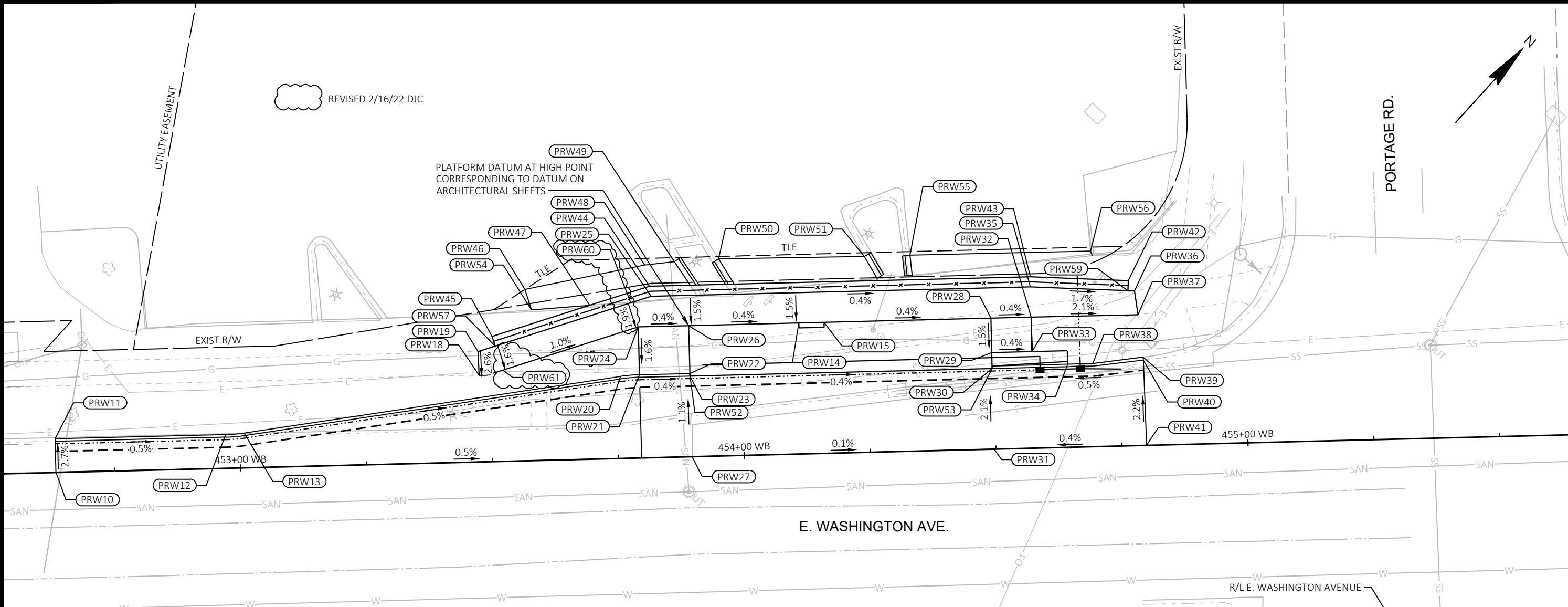
Designed By: STRAW
60631225P

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LAYOUT NAME - 050248_P18

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MSW10	429+80.92 WB	50.33' LT	499027.12	837854.83	886.21	MATCH
MSW11	429+89.48 WB	50.40' LT	499032.93	837861.12	886.82	BOC
MSW12	429+81.16 WB	11.15' LT	498998.28	837881.34	886.19	MATCH
MSW13	429+93.08 WB	11.26' LT	499006.37	837890.09	886.36	MATCH
MSW14	429+92.87 WB	0.37' LT	498998.17	837897.26	886.50	MATCH
MSW15	430+46.41 WB	12.50' LT	499043.14	837928.74	888.59	BOC
MSW16	430+46.41 WB	22.00' LT	499050.18	837922.35	887.39	EOP
MSW17	430+46.41 WB	15.00' LT	499045.00	837927.06	887.70	TOP
MSW18	430+46.41 WB	12.00' LT	499042.78	837929.08	886.53	FL
MSW19	430+96.41 WB	22.00' LT	499083.79	837959.37	887.47	EOP
MSW20	430+96.41 WB	12.50' LT	499076.76	837965.75	886.76	BOC
MSW21	430+96.41 WB	12.00' LT	499076.39	837966.09	886.26	FL
MSW22	431+05.41 WB	12.50' LT	499082.81	837972.42	886.70	BOC
MSW23	431+11.08 WB	12.89' LT	499086.92	837976.35	886.27	BOC
MSW24	431+11.23 WB	22.00' LT	499093.76	837970.33	886.99	EOP
MSW25	431+21.23 WB	22.00' LT	499100.48	837977.74	886.89	EOP
MSW26	431+36.57 WB	18.28' LT	499108.04	837991.59	886.42	EOP
MSW27	431+45.60 WB	16.02' LT	499112.44	837999.79	885.82	BOC
MSW28	431+22.43 WB	28.00' LT	499105.73	837974.60	887.00	FOW
MSW29	430+76.90 WB	0.00'	499054.39	837959.71	886.62	MATCH
MSW30	431+72.65 WB	0.11' LT	499118.85	838030.52	885.77	MATCH
MSW31	431+50.41 WB	21.01' LT	499119.36	838000.01	885.84	EOP
MSW32	431+24.77 WB	35.00' LT	499112.49	837971.62	887.12	BOW
MSW33	431+44.74 WB	27.73' LT	499120.53	837991.29	886.44	MATCH
MSW34	431+44.75 WB	23.41' LT	499117.34	837994.20	886.36	MATCH
MSW35	431+62.12 WB	18.08' LT	499125.07	838010.65	885.66	FL
MSW36	431+71.92 WB	17.18' LT	499130.99	838018.51	885.38	FL
MSW37	431+21.10 WB	13.80' LT	499094.32	837983.15	886.17	BOC
MSW38	431+62.63 WB	17.07' LT	499124.67	838011.70	885.65	FL
MSW39	431+72.09 WB	11.12' LT	499126.62	838022.70	885.54	MATCH
MSW40	431+40.22 WB	0.02' LT	499096.98	838006.58	886.17	MATCH
MSW41	430+46.41 WB	21.33' LT	499049.69	837922.80	887.80	TOP
MSW42	430+46.41 WB	12.00' LT	499042.78	837929.08	887.66	TOP
MSW43	430+46.41 WB	22.00' LT	499050.18	837922.35	887.81	TOP
MSW44	430+96.41 WB	22.00' LT	499083.79	837959.37	887.58	TOP
MSW45	430+96.41 WB	12.00' LT	499076.39	837966.09	887.43	TOP



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
MSW46	430+37.41 WB	15.00' LT	499038.95	837920.40	888.58	FOW
MSW47	430+37.41 WB	22.00' LT	499044.13	837915.69	887.35	EOP
MSW48	430+37.41 WB	21.33' LT	499043.63	837916.14	887.34	FOW
MSW49	429+88.98 WB	50.39' LT	499032.59	837860.75	886.34	FL
MSW50	429+91.46 WB	38.16' LT	499025.20	837870.81	886.39	FL
MSW51	431+06.09 WB	12.01' LT	499082.90	837973.25	886.19	FL
MSW52	431+26.15 WB	13.76' LT	499097.69	837986.92	886.00	FL
MSW53	431+45.64 WB	15.53' LT	499112.10	838000.16	885.81	FL
MSW54	430+18.50 WB	13.38' LT	499025.04	837907.48	886.54	FL
MSW55	430+28.69 WB	12.00' LT	499030.86	837915.96	886.59	FL
MSW56	430+36.08 WB	15.00' LT	499038.05	837919.41	887.88	EL
MSW58	510+33.24 ME	0.19' LT	499020.21	837847.65	886.13	MATCH
MSW59	509+83.24 ME	0.26' RT	499056.44	837813.19	887.13	MATCH
MSW60	509+83.11 ME	15.66' LT	499067.40	837824.73	887.34	MATCH
MSW99	431+11.31 WB	38.00' LT	499105.66	837959.64	887.45	MATCH
MSW100	431+21.15 WB	38.00' LT	499112.27	837966.92	887.45	MATCH
MSW101	431+21.09 WB	35.00' LT	499110.01	837968.90	887.16	BOW
MSW102	431+11.45 WB	35.00' LT	499103.53	837961.76	887.24	BOW



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
PRW10	452+63.31 WB	0.10' LT	500555.67	839547.76	870.20	MATCH
PRW11	452+63.32 WB	6.69' LT	500560.45	839543.21	870.47	BOC
PRW12	452+97.19 WB	6.67' LT	500583.81	839567.75	870.35	BOC
PRW13	453+00.87 WB	6.90' LT	500586.51	839570.25	870.34	BOC
PRW14	454+11.48 WB	26.00' LT	500676.67	839637.11	870.59	FOW
PRW15	454+16.48 WB	26.00' LT	500680.12	839640.73	870.57	FOW
PRW18	453+47.77 WB	17.19' LT	500626.33	839597.09	871.04	MATCH
PRW19	453+47.69 WB	21.91' LT	500629.69	839593.77	871.16	MATCH
PRW20	453+75.82 WB	16.26' LT	500645.02	839618.03	870.11	BOC
PRW21	453+79.61 WB	16.50' LT	500647.80	839620.60	870.56	BOC
PRW22	453+89.60 WB	16.50' LT	500654.70	839627.84	870.53	BOC
PRW23	453+89.61 WB	16.00' LT	500654.34	839628.18	869.40	FL
PRW24	453+79.61 WB	26.00' LT	500654.67	839614.05	870.71	FOW
PRW25	453+82.33 WB	31.96' LT	500660.86	839611.90	870.79	BOW
PRW26	453+89.61 WB	26.00' LT	500661.58	839621.28	870.67	TOP
PRW27	453+89.60 WB	0.04' LT	500642.79	839639.19	869.57	MATCH
PRW28	454+49.61 WB	26.00' LT	500702.98	839664.70	870.43	TOP

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
PRW29	454+49.61 WB	19.17' LT	500698.04	839669.42	870.33	FOW
PRW30	454+49.61 WB	16.00' LT	500695.75	839671.60	869.16	FL
PRW31	454+49.60 WB	0.00' LT	500684.17	839682.64	869.50	MATCH
PRW32	454+57.61 WB	26.00' LT	500708.50	839670.49	870.40	FOW
PRW33	454+57.61 WB	19.17' LT	500703.56	839675.21	870.30	BOW
PRW34	454+64.61 WB	16.50' LT	500706.46	839682.12	869.60	BOC
PRW35	454+57.61 WB	32.00' LT	500712.84	839666.35	870.49	BOW
PRW36	454+78.25 WB	30.70' LT	500726.15	839682.19	870.15	MATCH
PRW37	454+78.83 WB	25.92' LT	500723.10	839685.91	869.96	MATCH
PRW38	454+69.61 WB	16.50' LT	500709.92	839685.74	869.54	BOC
PRW39	454+79.59 WB	17.52' LT	500717.54	839692.26	869.62	BOC
PRW40	454+79.64 WB	16.93' LT	500717.15	839692.70	869.16	FL
PRW41	454+79.85 WB	0.00' RT	500705.04	839704.53	869.62	MATCH
PRW42	454+77.06 WB	32.76' LT	500726.82	839679.90	870.67	BOW
PRW43	454+57.66 WB	34.00' LT	500714.33	839665.01	872.03	BOW
PRW44	453+82.04 WB	34.00' LT	500662.14	839610.29	873.21	BOW
PRW45	453+50.51 WB	24.82' LT	500633.74	839593.81	871.14	BOW

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
PRW46	453+57.30 WB	33.99' LT	500645.06	839592.38	873.12	MATCH
PRW47	453+70.08 WB	30.52' LT	500651.37	839604.03	873.21	MATCH
PRW48	453+81.17 WB	38.25' LT	500664.62	839606.73	873.17	MATCH
PRW49	453+87.08 WB	38.76' LT	500669.07	839610.65	873.18	MATCH
PRW50	453+95.87 WB	39.10' LT	500675.38	839616.77	873.08	MATCH
PRW51	454+24.80 WB	38.85' LT	500695.16	839637.88	872.83	MATCH
PRW52	453+89.61 WB	16.00' LT	500654.34	839628.18	870.52	TOP
PRW53	454+49.61 WB	16.00' LT	500695.75	839671.60	870.28	TOP
PRW54	453+58.49 WB	29.89' LT	500642.92	839596.08	873.02	EP
PRW55	454+33.85 WB	38.90' LT	500701.45	839644.40	872.73	EP
PRW56	454+69.70 WB	38.77' LT	500726.10	839670.43	872.49	EP
PRW57	453+51.10 WB	22.91' LT	500632.76	839595.55	871.12	BOW
PRW59	454+76.93 WB	30.77' LT	500725.29	839681.19	870.17	BOW
PRW60	453+78.21 WB	30.80' LT	500657.18	839609.72	870.81	BOW
PRW61	453+52.50 WB	18.11' LT	500630.25	839599.88	871.05	FOW

60631225P

GRADING PLAN: WB E. WASHINGTON AVENUE AT PORTAGE ROAD

CITY OF MADISON

60631225P

1

PLAN REVISION 1

2/16/23

DJC

DATE

BY

MARK

Designed By: STRAW

Date: 2023-02-28

Scale: 1"=20 FT

60631225P

CITY OF MADISON

WISCONSIN

60631225P

G23-E

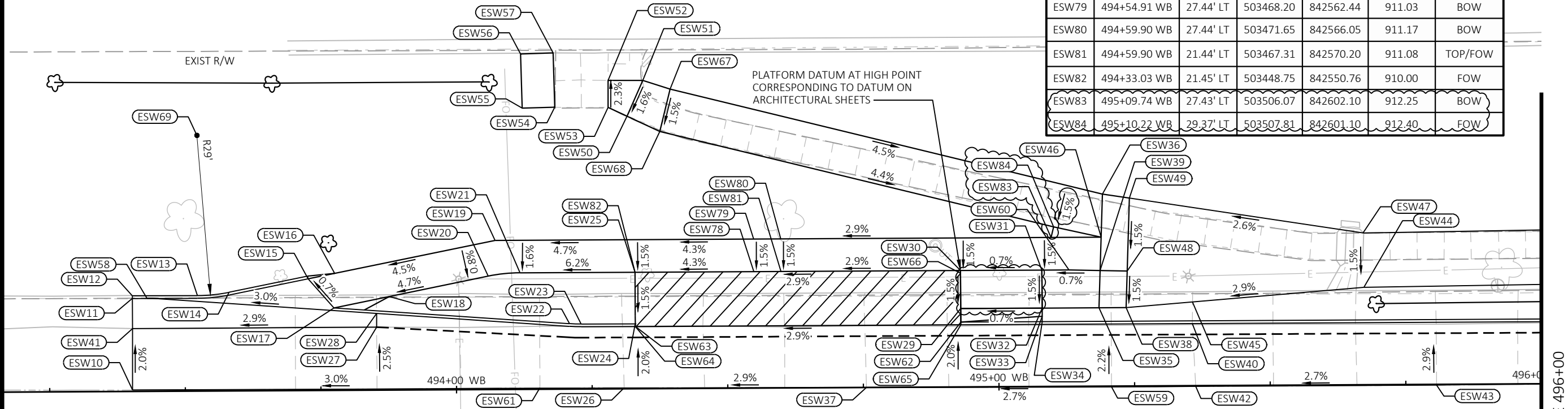
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LAYOUT NAME : 050261_PN

LAST PLOT DATE : 2023-02-28

REVISÉ 11/03/22 DJC

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
ESW78	494+54.91 WB	21.44' LT	503463.86	842566.59	910.94	TOP/FOW
ESW79	494+54.91 WB	27.44' LT	503468.20	842562.44	911.03	BOW
ESW80	494+59.90 WB	27.44' LT	503471.65	842566.05	911.17	BOW
ESW81	494+59.90 WB	21.44' LT	503467.31	842570.20	911.08	TOP/FOW
ESW82	494+33.03 WB	21.45' LT	503448.75	842550.76	910.00	FOW
ESW83	495+09.74 WB	27.43' LT	503506.07	842602.10	912.25	BOW
ESW84	495+10.22 WB	29.37' LT	503507.81	842601.10	912.40	FOW



* POINTS USED FOR CENTER MAY HAVE ZERO OR APPROXIMATED ELEVATIONS - THESE POINTS ARE INCLUDED IN THE TABLE FOR HORIZONTAL LOCATION. THE VERTICAL ELEVATION OF THESE POINTS ARE NOT INTENDED FOR CONSTRUCTION

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
ESW10	493+40.28 WB	0.28' LT	503369.38	842498.33	906.48	MATCH
ESW11	493+40.34 WB	17.12' LT	503381.59	842486.74	906.15	FL
ESW12	493+40.34 WB	17.62' LT	503381.95	842486.40	906.58	BOC
ESW13	493+52.33 WB	17.58' LT	503390.21	842495.08	907.09	BOC
ESW14	493+58.18 WB	18.16' LT	503394.67	842498.92	907.15	BOC
ESW15	493+72.75 WB	20.56' LT	503406.47	842507.80	907.30	EOP
ESW16	493+77.65 WB	21.54' LT	503410.56	842510.66	907.50	EOP
ESW17	493+77.47 WB	15.18' LT	503405.84	842514.92	907.34	BOC
ESW18	493+87.70 WB	17.22' LT	503414.38	842520.91	907.84	EOP
ESW19	494+07.26 WB	27.45' LT	503435.29	842527.99	908.88	EOP
ESW20	494+05.95 WB	20.87' LT	503429.63	842531.58	908.72	EOP
ESW21	494+11.83 WB	21.45' LT	503434.11	842535.43	909.00	EOP
ESW22	494+20.89 WB	12.03' LT	503433.56	842548.50	909.13	BOC
ESW23	494+23.02 WB	11.95' LT	503434.97	842550.09	909.20	BOC
ESW24	494+33.01 WB	11.95' LT	503441.87	842557.32	909.53	BOC
ESW25	494+33.03 WB	21.45' LT	503448.75	842550.76	910.31	TOP
ESW26	494+30.91 WB	0.17' LT	503431.90	842563.93	909.19	MATCH
ESW27	493+85.34 WB	11.60' LT	503408.69	842523.09	907.56	EOP
ESW28	493+85.34 WB	14.11' LT	503410.50	842521.35	907.56	FL
ESW29	494+93.02 WB	14.43' LT	503485.13	842598.99	911.93	TOP

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
ESW30	494+93.03 WB	21.43' LT	503490.19	842594.15	912.03	EOP
ESW31	495+08.03 WB	21.43' LT	503500.55	842605.00	912.14	FOW
ESW32	495+08.02 WB	14.43' LT	503495.49	842609.83	912.04	FOW
ESW33	495+08.02 WB	12.93' LT	503494.40	842610.87	911.73	FOW
ESW34	495+08.02 WB	11.93' LT	503493.68	842611.56	911.65	BOC
ESW35	495+18.49 WB	14.43' LT	503502.72	842617.40	912.12	BOC
ESW36	495+19.26 WB	35.37' LT	503518.39	842603.49	912.43	FOW
ESW37	494+75.57 WB	0.01' LT	503462.64	842596.33	910.50	MATCH
ESW38	495+23.49 WB	14.43' LT	503506.17	842621.02	912.15	BOC
ESW39	495+18.74 WB	21.30' LT	503507.85	842612.84	912.22	FOW
ESW40	495+35.70 WB	11.43' LT	503512.43	842631.92	911.87	EOP
ESW41	493+40.32 WB	11.57' LT	503377.57	842490.56	906.26	BOC
ESW42	495+36.27 WB	0.13' RT	503504.47	842640.32	912.16	MATCH
ESW43	495+80.66 WB	0.13' RT	503535.14	842672.41	913.36	MATCH
ESW44	495+67.36 WB	17.93' LT	503539.00	842650.32	913.43	EOP
ESW45	495+35.76 WB	15.41' LT	503515.35	842629.21	912.51	EOP
ESW46	495+18.97 WB	27.43' LT	503512.44	842608.77	912.31	EOP
ESW47	495+67.26 WB	27.95' LT	503546.18	842643.32	913.58	EOP
ESW48	495+23.74 WB	21.18' LT	503511.22	842616.54	912.25	FOW
ESW49	495+24.23 WB	34.60' LT	503521.27	842607.62	912.46	BOW

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
ESW50	494+31.74 WB	50.28' LT	503468.70	842529.91	916.24	FOW
ESW51	494+34.63 WB	56.75' LT	503475.38	842527.53	916.35	MATCH
ESW52	494+28.25 WB	56.78' LT	503470.99	842522.90	916.20	MATCH
ESW53	494+28.23 WB	51.84' LT	503467.41	842526.30	916.32	MATCH
ESW54	494+18.39 WB	51.92' LT	503460.67	842519.13	915.94	MATCH
ESW55	494+12.40 WB	51.76' LT	503456.42	842514.90	915.82	BOW
ESW56	494+12.14 WB	61.75' LT	503463.46	842507.82	915.59	FOW
ESW57	494+18.13 WB	61.90' LT	503467.71	842512.05	915.84	MATCH
ESW58	493+43.03 WB	17.11' LT	503383.44	842488.68	906.29	FL
ESW59	495+20.74 WB	0.11' RT	503493.76	842629.07	911.74	MATCH
ESW60	495+13.03 WB	21.43' LT	503504.00	842608.62	912.18	FOW
ESW61	494+15.36 WB	0.25' LT	503421.22	842552.63	908.74	MATCH
ESW62	494+93.02 WB	11.93' LT	503483.32	842600.71	911.89	TOP
ESW63	494+33.02 WB	11.45' LT	503441.52	842557.67	910.16	TOP
ESW64	494+33.02 WB	11.45' LT	503441.52	842557.67	909.03	FL
ESW65	494+93.02 WB	11.43' LT	503482.96	842601.06	910.76	FL
ESW66	494+93.03 WB	20.93' LT	503489.83	842594.50	912.03	TOP
ESW67	494+39.67 WB	55.12' LT	503477.68	842532.30	916.09	BOW
ESW68	494+37.73 WB	47.36' LT	503470.73	842536.26	915.97	FOW
ESW69	493+52.40 WB	47.08' LT	503411.59	842474.76	0.00	RADIUS*

MATCHLINE 496+00

GRADING PLAN: WB E. WASHINGTON AVENUE AT E. SPRINGS DRIVE

BUS RAPID TRANSIT

CITY OF MADISON

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

60631225P



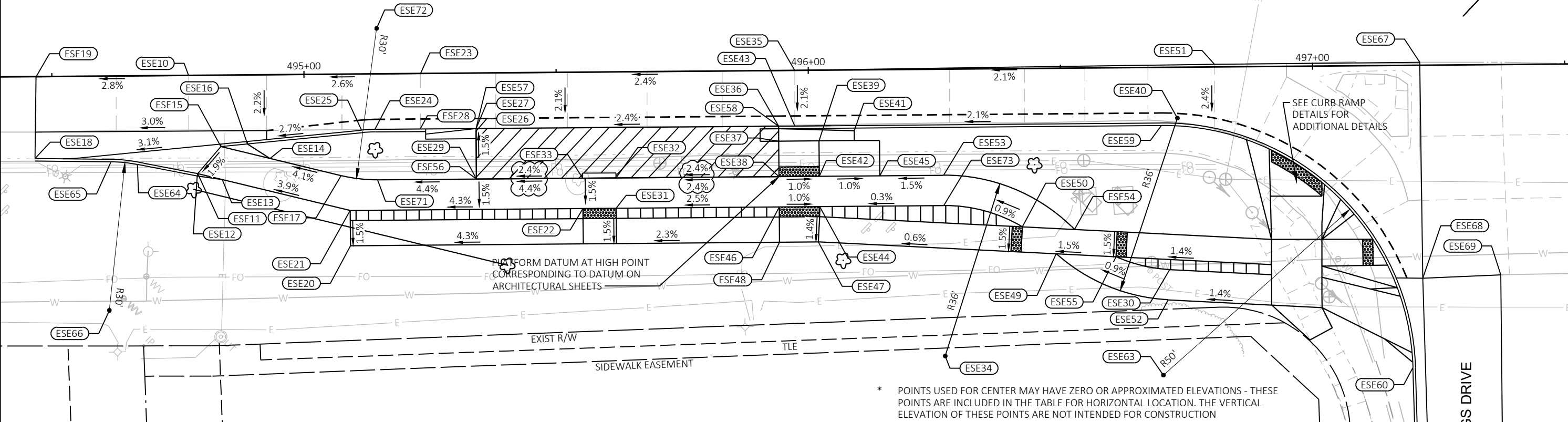
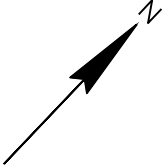
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G28-E



REVISED 11/07/22 DJC

E. WASHINGTON AVE.



* POINTS USED FOR CENTER MAY HAVE ZERO OR APPROXIMATED ELEVATIONS - THESE POINTS ARE INCLUDED IN THE TABLE FOR HORIZONTAL LOCATION. THE VERTICAL ELEVATION OF THESE POINTS ARE NOT INTENDED FOR CONSTRUCTION

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
ESE10	494+77.14	0.02' RT	503388.34	842668.65	909.61	MATCH
ESE11	494+78.76	19.47' RT	503375.48	842683.33	909.39	EOP
ESE12	494+78.66	19.96' RT	503375.06	842683.60	909.39	EOP
ESE13	494+83.62	20.68' RT	503377.99	842687.67	909.56	EOP
ESE14	494+93.13	16.58' RT	503387.54	842691.65	909.94	EOP
ESE15	494+83.43	14.16' RT	503382.55	842683.00	909.52	BOC
ESE16	494+88.70	13.68' RT	503386.55	842686.45	910.18	BOC
ESE17	495+07.19	20.10' RT	503394.79	842704.21	910.54	EOP
ESE18	494+46.55	16.21' RT	503355.43	842657.91	908.38	FL
ESE19	494+46.85	0.04' RT	503367.27	842646.89	908.75	MATCH
ESE20	495+08.94	34.01' RT	503386.00	842715.14	910.48	EOP
ESE21	495+08.94	27.01' RT	503391.03	842710.27	910.58	EOP
ESE22	495+55.10	27.02' RT	503423.12	842743.46	912.56	EOP
ESE23	495+23.11	0.03' RT	503420.28	842701.70	910.80	MATCH
ESE24	495+14.02	10.94' RT	503406.12	842702.75	910.34	FL
ESE25	495+11.32	11.14' RT	503404.11	842700.95	910.27	FL
ESE26	495+34.02	11.52' RT	503419.61	842717.53	911.36	BOC
ESE27	495+34.03	11.02' RT	503419.97	842717.19	910.86	FL
ESE28	495+23.02	10.90' RT	503412.41	842709.19	910.58	FL
ESE29	495+34.03	21.02' RT	503412.78	842724.14	912.13	TOP
ESE30	496+71.35	40.09' RT	503494.52	842836.12	914.00	FOW

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
ESE31	495+61.68	27.02' RT	503427.69	842748.19	912.70	BOW
ESE32	495+61.69	21.02' RT	503432.01	842744.02	912.81	FOW
ESE33	495+55.11	21.02' RT	503427.43	842739.29	912.65	FOW
ESE34	496+26.70	56.86' RT	503451.43	842815.68	0.00	RADIUS*
ESE35	495+97.32	0.02' RT	503471.87	842755.05	912.61	MATCH
ESE36	495+94.03	11.02' RT	503461.68	842760.32	912.32	FL
ESE37	495+94.03	14.00' RT	503459.53	842762.39	913.49	FOW
ESE38	495+94.03	21.02' RT	503454.49	842767.27	913.59	FOW
ESE39	496+02.03	14.02' RT	503465.08	842768.16	913.41	FOW
ESE40	496+73.11	10.09' RT	503517.31	842816.53	0.00	RADIUS*
ESE41	496+09.03	12.04' RT	503471.37	842771.82	914.57	FL
ESE42	496+02.03	21.02' RT	503460.05	842773.03	913.52	FOW
ESE43	495+97.23	11.02' RT	503463.90	842762.63	912.39	FL
ESE44	496+02.02	27.02' RT	503455.73	842777.20	913.43	BOW
ESE45	496+14.03	21.02' RT	503468.39	842781.65	913.39	FOW
ESE46	495+94.02	27.02' RT	503450.17	842771.44	913.51	BOW
ESE47	496+01.73	34.02' RT	503450.50	842781.85	913.32	BOW
ESE48	495+94.02	34.02' RT	503445.14	842776.31	913.40	BOW
ESE49	496+48.87	36.77' RT	503481.28	842817.65	913.70	BOW
ESE50	496+42.20	31.37' RT	503480.53	842809.10	913.67	BOW
ESE51	496+80.53	0.55' LT	503530.12	842814.48	914.31	MATCH

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
ESE52	496+71.00	46.08' RT	503489.97	842840.03	913.91	BOW
ESE53	496+26.65	21.02' RT	503477.16	842790.73	913.58	FOW
ESE54	496+52.53	31.97' RT	503487.27	842816.95	913.82	FOW
ESE55	496+60.71	37.46' RT	503489.02	842826.64	913.87	EOP
ESE56	495+34.02	21.02' RT	503412.78	842724.14	911.72	FOW
ESE57	495+34.03	11.02' RT	503419.97	842717.19	911.98	TOP
ESE58	495+94.03	11.02' RT	503461.67	842760.32	913.44	TOP
ESE59	496+69.92	11.52' RT	503514.07	842815.24	914.41	BOC
ESE60	497+19.40	59.93' RT	503513.66	842884.46	914.11	BOC
ESE62	497+20.32	101.20' RT	503484.63	842913.80	912.78	BOC
ESE63	496+69.92	61.02' RT	503478.48	842849.64	0.00	RADIUS*
ESE64	494+66.81	17.56' RT	503368.55	842673.41	909.36	BOC
ESE65	494+61.58	16.99' RT	503365.32	842669.26	909.34	BOC
ESE66	494+61.03	46.49' RT	503343.73	842689.36	0.00	RADIUS*
ESE67	497+21.27	0.58' LT	503558.46	842843.73	915.18	MATCH
ESE68	497+21.51	42.19' RT	503527.88	842873.65	914.30	MATCH
ESE69	497+37.00	41.68' RT	503539.01	842884.42	914.47	MATCH
ESE70	497+37.09	100.72' RT	503496.63	842925.52	912.82	MATCH
ESE71	495+14.44	21.00' RT	503399.18	842710.04	910.86	FOW
ESE72	495+14.47	9.00' LT	503420.77	842689.21	0.00	RADIUS*
ESE73	496+26.65	27.02' RT	503472.84	842794.90	913.50	BOW

60631225P

GRADING PLAN: EB E. WASHINGTON AVENUE AT E. SPRINGS DRIVE

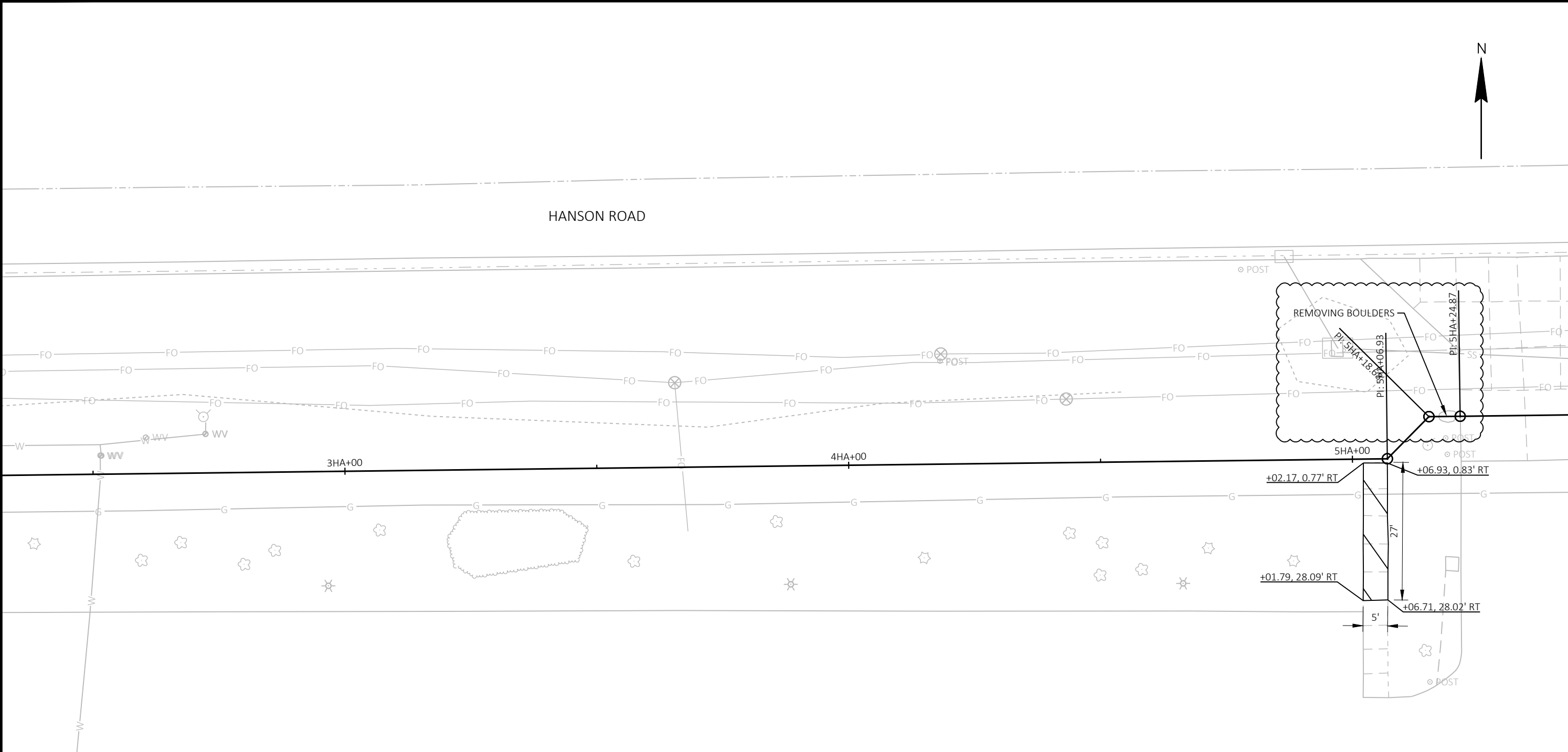
CITY OF MADISON, DANE COUNTY, WI

BUS RAPID TRANSIT

CITY OF MADISON

60631225P
G30-E

PLAN REVISION 1	DJC
REVISION	DATE
1	11/7/22
MARK	BY
Designed By: STRAW	Date: 2023-02-28
60631225P	Scale: 1"=20 FT



REMOVALS LEGEND

REMOVING PAVEMENT
(ASPHALT PAID AS "EXCAVATION COMMON", CONCRETE AS "REMOVING CONCRETE PAVEMENT")

REMOVING CONCRETE CURB (PAID AS "REMOVING CONCRETE CURB & GUTTER")

REMOVING CONCRETE CURB & GUTTER
(PAID AS "REMOVING CONCRETE PAVEMENT" WHEN ADJACENT TO CONCRETE PAVEMENT)

REMOVING CONCRETE SIDEWALK & DRIVEWAY (PAID AS REMOVING CONCRETE SIDEWALK)

SAWING PAVEMENT (SEE QUANTITIES FOR ASPHALT/CONCRETE)

REMOVING FENCE

REMOVING TREE (PAID AS CLEARING & GRUBBING)

REMOVING VEGETATION (PAID AS CLEARING & GRUBBING)

INLET PROTECTION, TYPE D - COMPLETE (UNLESS OTHERWISE NOTED)

REMOVE STREET LIGHT POLE & BASE, TRAFFIC SIGNAL POLE & BASE, & CABINET
(PAID AS "REMOVING TRAFFIC SIGNALS (LOCATION)" AND "REMOVING BASE")

REMOVING PULL BOX

REMOVING STORM SEWER XX-INCH

REMOVING INLET, REMOVING CATCHBASIN (PAID AS REMOVING INLET)

ABANDON CONDUIT

ABANDONING SEWER (ABANDON PIPE WITH SLURRY)

REVISED 03/13/2023 MEM

*ALL SIGNING REMOVALS FOUND
ON THE MARKING AND SIGNING PLANS

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

REMOVAL PLAN: HANSON RD

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

R-32E

PLAN REVISION 1

03/13/23

MEM

REVISION

DATE

BY

Designed By: AECOM

Date: 2023-03-14

Scale: 1"=20 FT

60631225P

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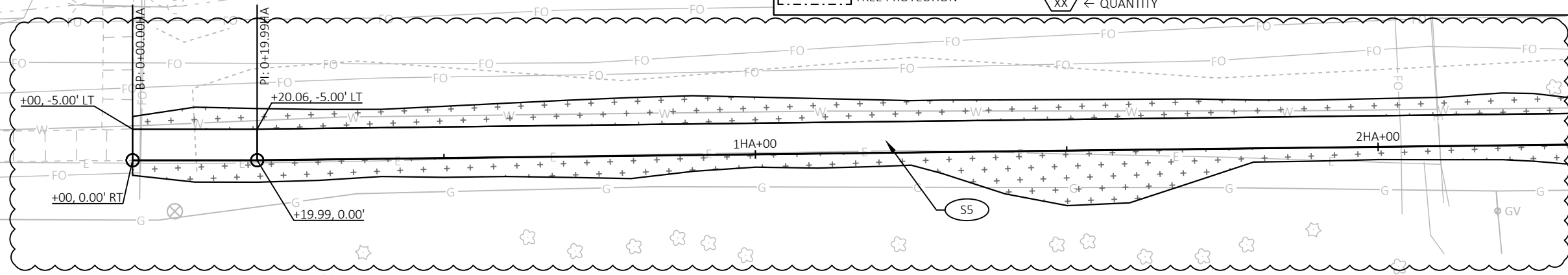
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LAST PLOT DATE - 2023-03-14

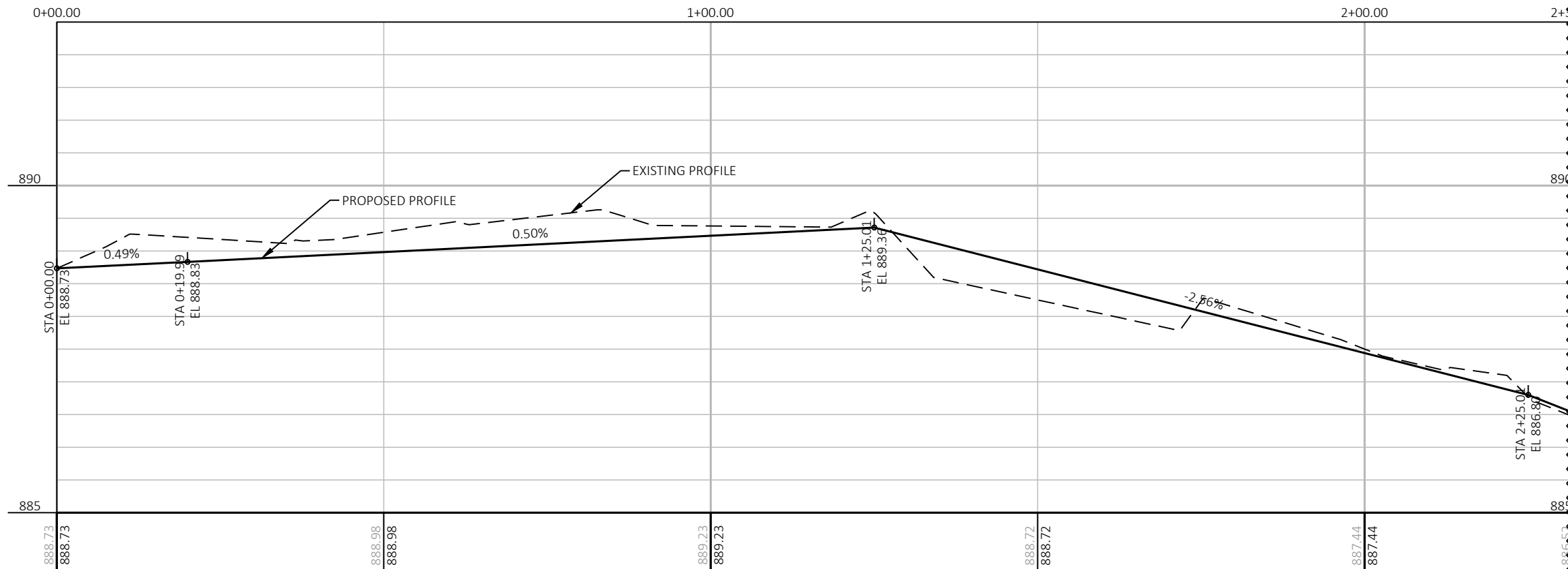


HANSON ROAD

SITE PLAN LEGEND			
	REINFORCED CONCRETE PLATFORM TYPE X		CONCRETE DRIVEWAY 7-INCH
	CONCRETE PLATFORM RAMP (SLOPED WALKWAY)		CONCRETE GUTTER 12-INCH OR 24-INCH (PAVED INTEGRAL TO LANE)
	CONCRETE PAVEMENT X-INCH, SEE GENERAL NOTES FOR STRUCTURE		CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
	X-INCH HMA PAVEMENT, SEE GENERAL NOTES FOR STRUCTURE		CONCRETE CURB & GUTTER INTEGRAL 24-INCH OR 30-INCH TYPE J (MOUNTABLE)
	CONCRETE PAVEMENT X-INCH, COLORING CONCRETE WISDOT RED		CONCRETE CURB & GUTTER XX-INCH TYPE X
	CONCRETE SIDEWALK 5-INCH		CONCRETE CURB PEDESTRIAN
	CONCRETE SIDEWALK 7-INCH		CONCRETE CURB EXTENSION 6-INCH OR 24-INCH
	TOPSOIL, SEEDING & EROSION MAT URBAN CLASS I TYPE A		CONCRETE CURB & GUTTER 24-INCH TYPE H SPECIAL
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA		CONCRETE CURB & GUTTER INTEGRAL 18-INCH OR 24-INCH SPECIAL
	CLEAR AREA		BIKE RACK (MOUNTED TO CONCRETE)
	LOCAL ROUTE BOARDING AREA		SEE STORM SEWER SCHEDULE
	CONCRETE SIDEWALK X-INCH, STAMPING COLORED CONCRETE		
	TREES		
	TREE PROTECTION		
	← PLANT SYMBOL		
	← QUANTITY		



REVISED 03/01/2023 MEM



60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

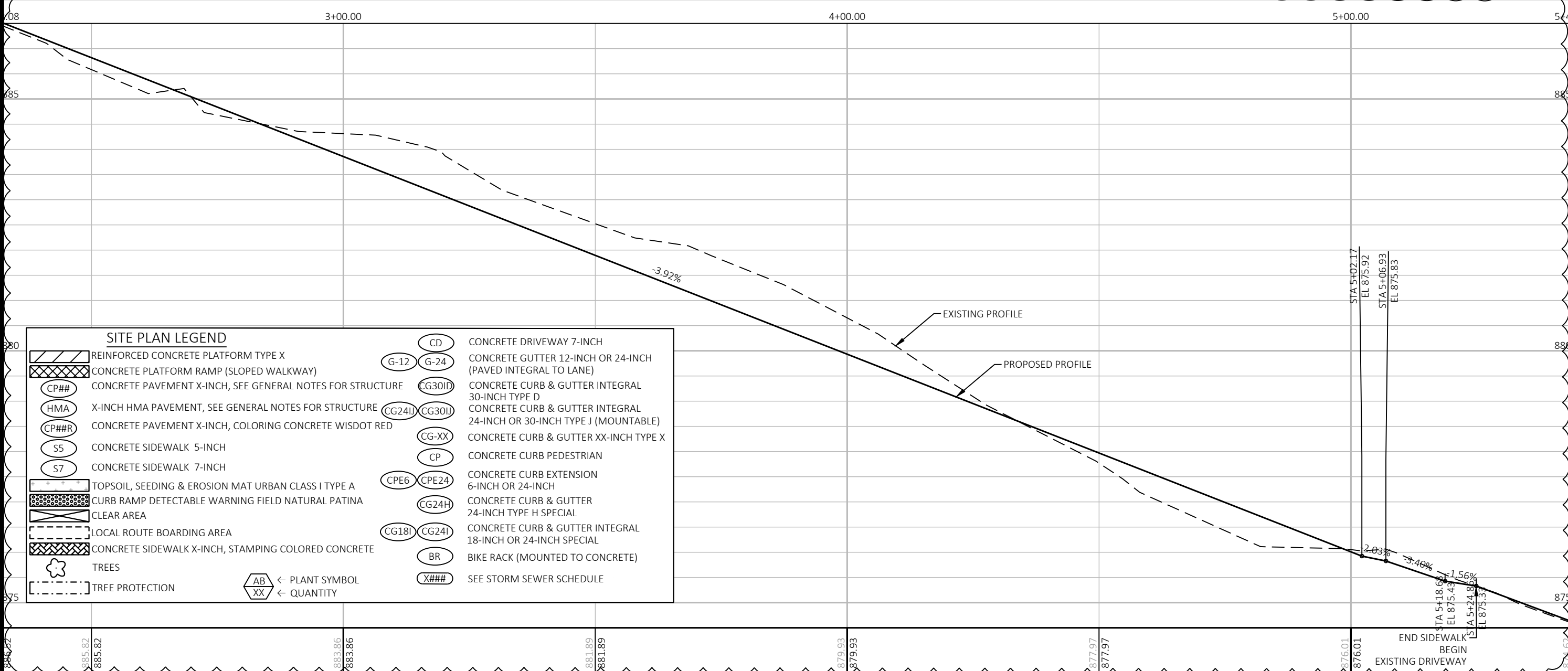
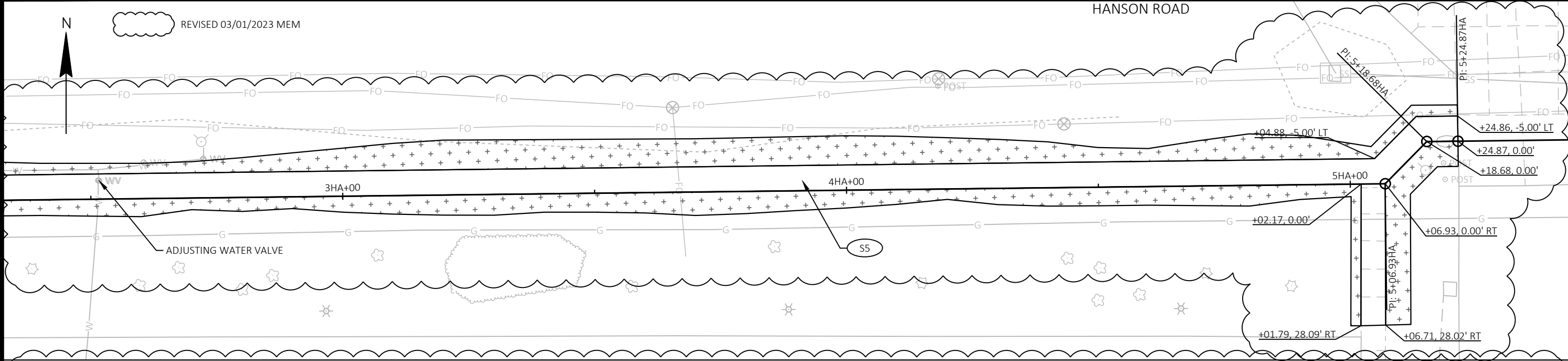
SITE PLAN: HANSON ROAD

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

P34-E



SITE PLAN LEGEND			
	REINFORCED CONCRETE PLATFORM TYPE X		CONCRETE DRIVEWAY 7-INCH
	CONCRETE PLATFORM RAMP (SLOPED WALKWAY)		CONCRETE GUTTER 12-INCH OR 24-INCH (PAVED INTEGRAL TO LANE)
	CONCRETE PAVEMENT X-INCH, SEE GENERAL NOTES FOR STRUCTURE		CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
	X-INCH HMA PAVEMENT, SEE GENERAL NOTES FOR STRUCTURE		CONCRETE CURB & GUTTER INTEGRAL 24-INCH OR 30-INCH TYPE J (MOUNTABLE)
	CONCRETE PAVEMENT X-INCH, COLORING CONCRETE WISDOT RED		CONCRETE CURB & GUTTER XX-INCH TYPE X
	CONCRETE SIDEWALK 5-INCH		CONCRETE CURB PEDESTRIAN
	CONCRETE SIDEWALK 7-INCH		CONCRETE CURB EXTENSION 6-INCH OR 24-INCH
	TOPSOIL, SEEDING & EROSION MAT URBAN CLASS I TYPE A		CONCRETE CURB & GUTTER 24-INCH TYPE H SPECIAL
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA		CONCRETE CURB & GUTTER INTEGRAL 18-INCH OR 24-INCH SPECIAL
	CLEAR AREA		BIKE RACK (MOUNTED TO CONCRETE)
	LOCAL ROUTE BOARDING AREA		SEE STORM SEWER SCHEDULE
	CONCRETE SIDEWALK X-INCH, STAMPING COLORED CONCRETE		
	TREES		
	TREE PROTECTION		
	← PLANT SYMBOL		
	← QUANTITY		

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

SITE PLAN: HANSON ROAD

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

P34-E

PLAN REVISION 1

REVISION

DATE: 2023-03-20

Scale: 1"=20 FT

MARK

Designed By: AECOM

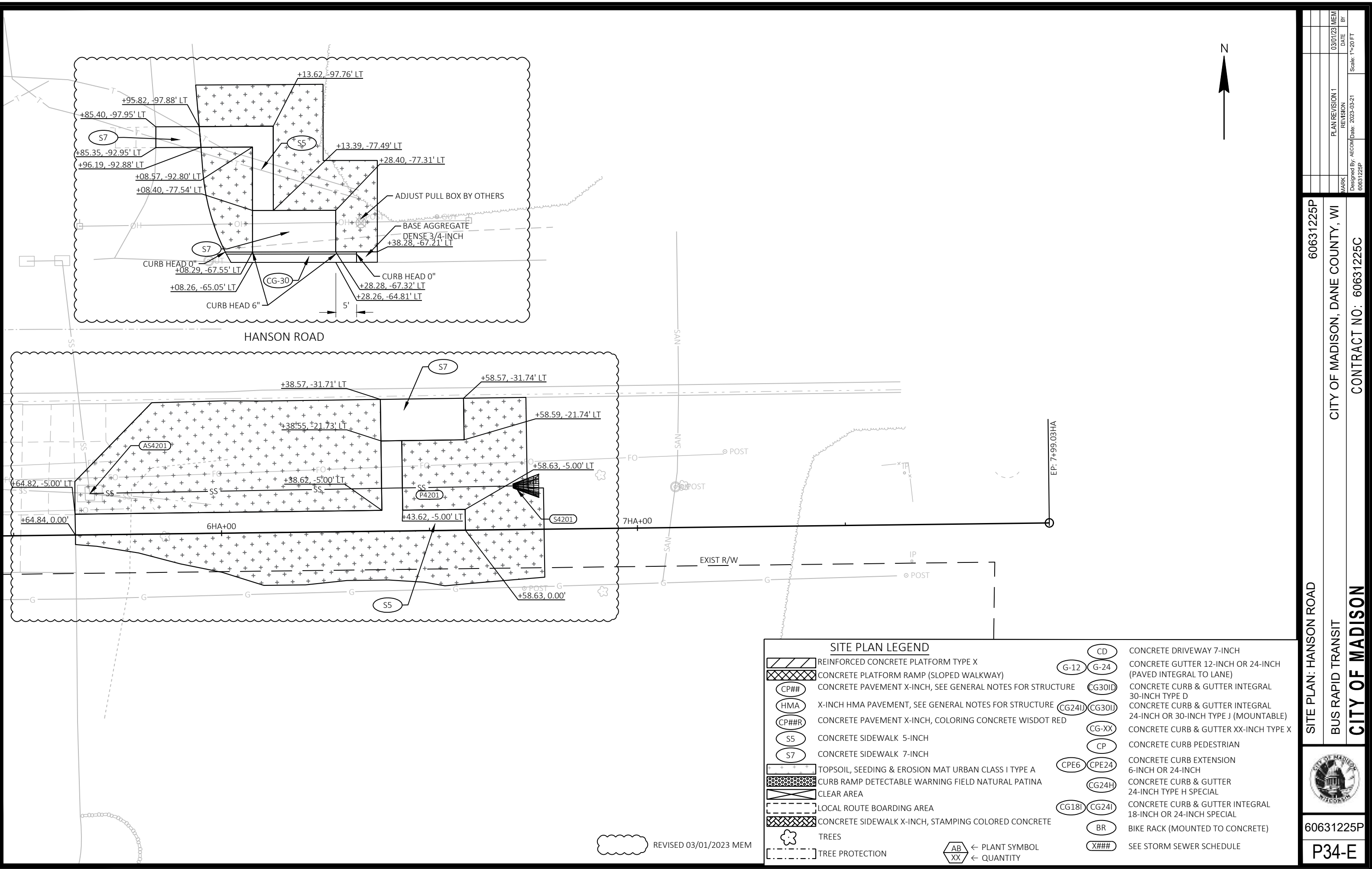
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LAYOUT NAME - Plan 1 IN 20 FT (2)

LAST PLOT DATE: 2023-03-20



REVISED 03/01/2023 MEM

SITE PLAN LEGEND			
	REINFORCED CONCRETE PLATFORM TYPE X		CONCRETE DRIVEWAY 7-INCH
	CONCRETE PLATFORM RAMP (SLOPED WALKWAY)		CONCRETE GUTTER 12-INCH OR 24-INCH (PAVED INTEGRAL TO LANE)
	CONCRETE PAVEMENT X-INCH, SEE GENERAL NOTES FOR STRUCTURE		CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
	X-INCH HMA PAVEMENT, SEE GENERAL NOTES FOR STRUCTURE		CONCRETE CURB & GUTTER INTEGRAL 24-INCH OR 30-INCH TYPE J (MOUNTABLE)
	CONCRETE PAVEMENT X-INCH, COLORING CONCRETE WISDOT RED		CONCRETE CURB & GUTTER XX-INCH TYPE X
	CONCRETE SIDEWALK 5-INCH		CONCRETE CURB PEDESTRIAN
	CONCRETE SIDEWALK 7-INCH		CONCRETE CURB EXTENSION 6-INCH OR 24-INCH
	TOPSOIL, SEEDING & EROSION MAT URBAN CLASS I TYPE A		CONCRETE CURB & GUTTER 24-INCH TYPE H SPECIAL
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA		CONCRETE CURB & GUTTER INTEGRAL 18-INCH OR 24-INCH SPECIAL
	CLEAR AREA		BIKE RACK (MOUNTED TO CONCRETE)
	LOCAL ROUTE BOARDING AREA		SEE STORM SEWER SCHEDULE
	CONCRETE SIDEWALK X-INCH, STAMPING COLORED CONCRETE		
	TREES		
	TREE PROTECTION		
	← PLANT SYMBOL		
	← QUANTITY		

SITE PLAN: HANSON ROAD

60631225P

CITY OF MADISON

BUS RAPID TRANSIT

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

60631225P

P34-E

03/01/23

DATE

MEM

BR

PLAN REVISION 1

REVISION

2023-03-21

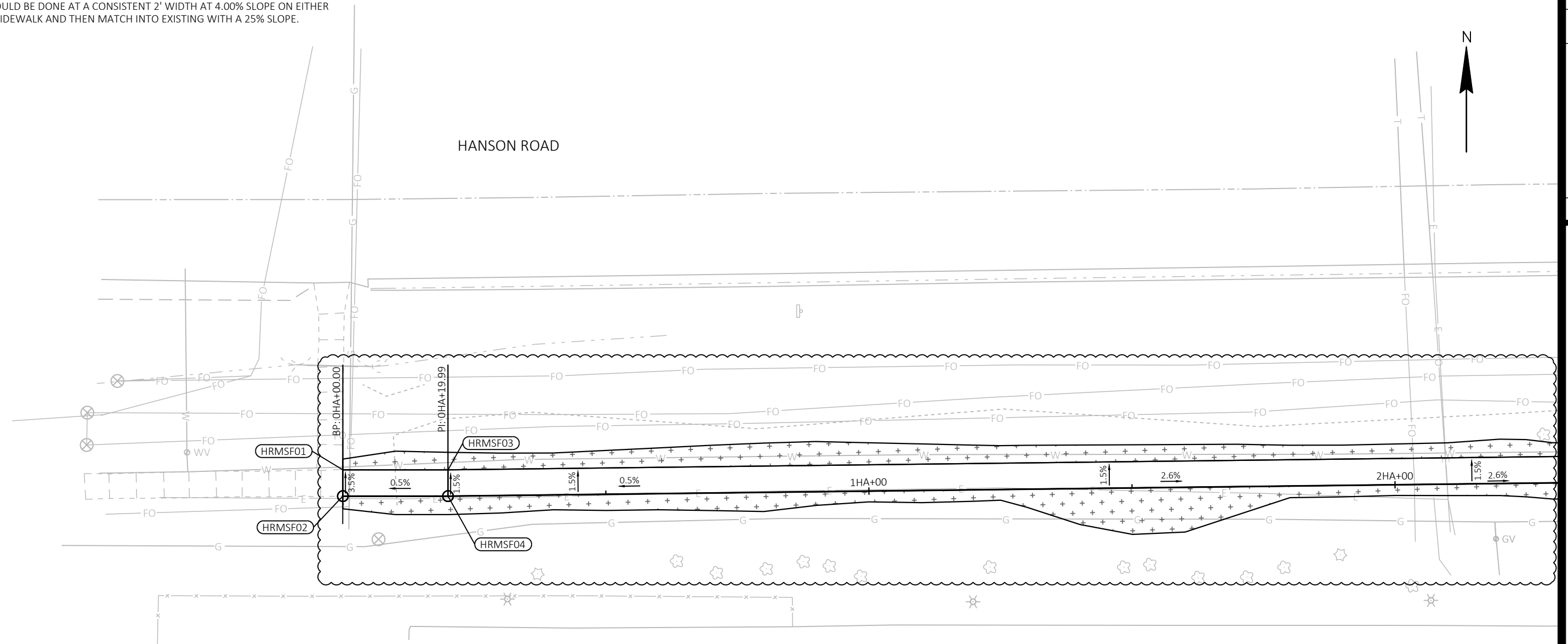
Scale: 1"=20 FT

MARK

Designed By: AECOM

60631225P

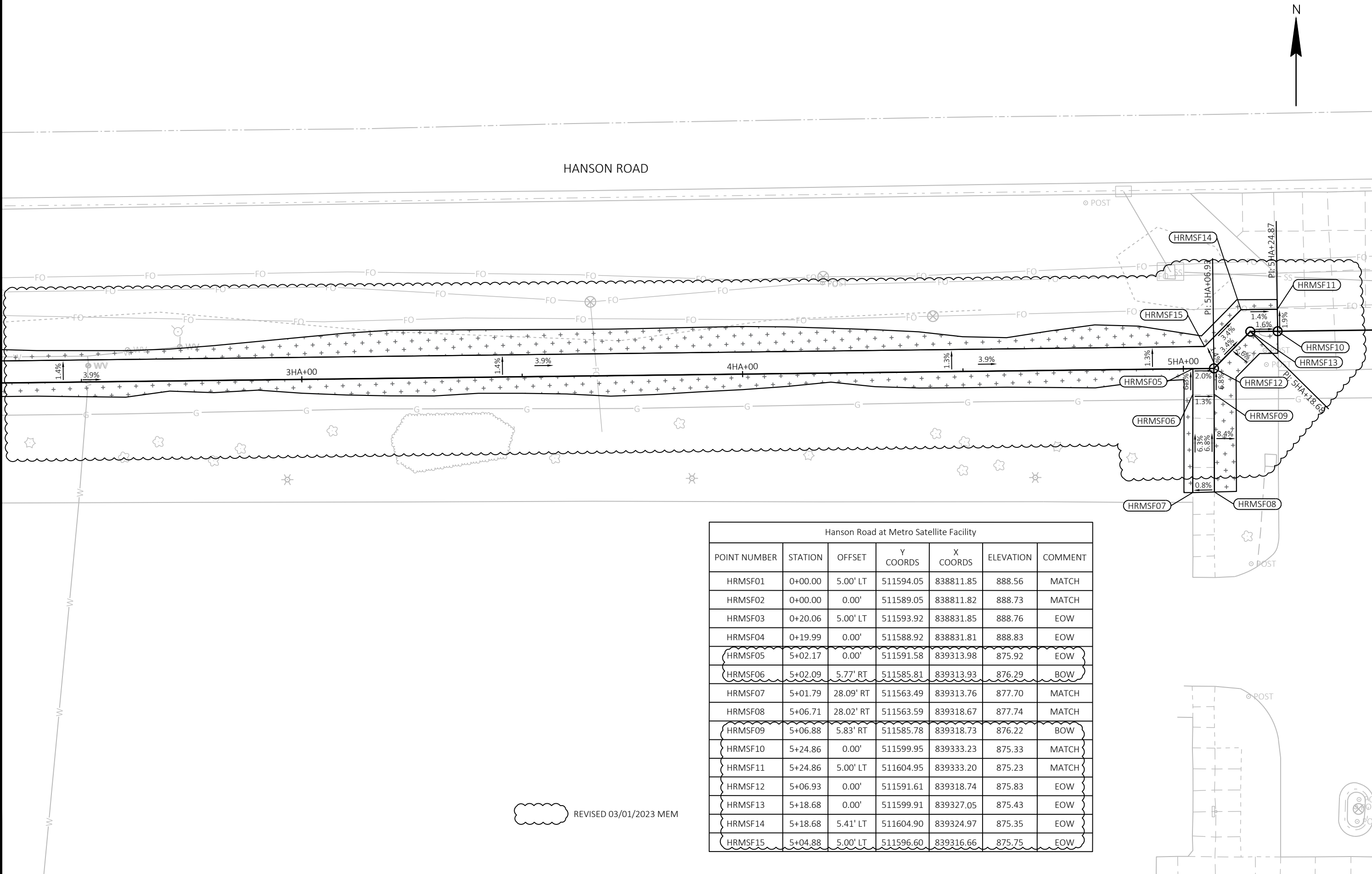
GRADING SHOULD BE DONE AT A CONSISTENT 2' WIDTH AT 4.00% SLOPE ON EITHER SIDE OF THE SIDEWALK AND THEN MATCH INTO EXISTING WITH A 25% SLOPE.



Hanson Road at Metro Satellite Facility						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
HRMSF01	0+00.00	5.00' LT	511594.05	838811.85	888.56	MATCH
HRMSF02	0+00.00	0.00'	511589.05	838811.82	888.73	MATCH
HRMSF03	0+20.06	5.00' LT	511593.92	838831.85	888.76	EOW
HRMSF04	0+19.99	0.00'	511588.92	838831.81	888.83	EOW
HRMSF05	5+02.17	0.00'	511591.58	839313.98	875.92	EOW
HRMSF06	5+02.09	5.77' RT	511585.81	839313.93	876.29	BOW
HRMSF07	5+01.79	28.09' RT	511563.49	839313.76	877.70	MATCH
HRMSF08	5+06.71	28.02' RT	511563.59	839318.67	877.74	MATCH
HRMSF09	5+06.88	5.83' RT	511585.78	839318.73	876.22	BOW
HRMSF10	5+24.86	0.00'	511599.95	839333.23	875.33	MATCH
HRMSF11	5+24.86	5.00' LT	511604.95	839333.20	875.23	MATCH
HRMSF12	5+06.93	0.00'	511591.61	839318.74	875.83	EOW
HRMSF13	5+18.68	0.00'	511599.91	839327.05	875.43	EOW
HRMSF14	5+18.68	5.41' LT	511604.90	839324.97	875.35	EOW
HRMSF15	5+04.88	5.00' LT	511596.60	839316.66	875.75	EOW

REVISÉ 03/01/2023 MEM

GRADING SHOULD BE DONE AT A CONSISTENT 2' WIDTH AT 4.00% SLOPE ON EITHER SIDE OF THE SIDEWALK AND THEN MATCH INTO EXISTING WITH A 25% SLOPE.



Hanson Road at Metro Satellite Facility						
POINT NUMBER	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	COMMENT
HRMSF01	0+00.00	5.00' LT	511594.05	838811.85	888.56	MATCH
HRMSF02	0+00.00	0.00'	511589.05	838811.82	888.73	MATCH
HRMSF03	0+20.06	5.00' LT	511593.92	838831.85	888.76	EOW
HRMSF04	0+19.99	0.00'	511588.92	838831.81	888.83	EOW
HRMSF05	5+02.17	0.00'	511591.58	839313.98	875.92	EOW
HRMSF06	5+02.09	5.77' RT	511585.81	839313.93	876.29	BOW
HRMSF07	5+01.79	28.09' RT	511563.49	839313.76	877.70	MATCH
HRMSF08	5+06.71	28.02' RT	511563.59	839318.67	877.74	MATCH
HRMSF09	5+06.88	5.83' RT	511585.78	839318.73	876.22	BOW
HRMSF10	5+24.86	0.00'	511599.95	839333.23	875.33	MATCH
HRMSF11	5+24.86	5.00' LT	511604.95	839333.20	875.23	MATCH
HRMSF12	5+06.93	0.00'	511591.61	839318.74	875.83	EOW
HRMSF13	5+18.68	0.00'	511599.91	839327.05	875.43	EOW
HRMSF14	5+18.68	5.41' LT	511604.90	839324.97	875.35	EOW
HRMSF15	5+04.88	5.00' LT	511596.60	839316.66	875.75	EOW

REVISED 03/01/2023 MEM

60631225P

GRADING PLAN: HANSON ROAD

CITY OF MADISON

60631225C

CITY OF MADISON, DANE COUNTY, WI

BUS RAPID TRANSIT

60631225P

P34-E

MARK	DESIGNED BY: AECOM	DATE: 2023-03-20	SCALE: 1"=20 FT
PLAN REVISION 1	03/01/23	MEM	BY
REVISION	DATE	BY	



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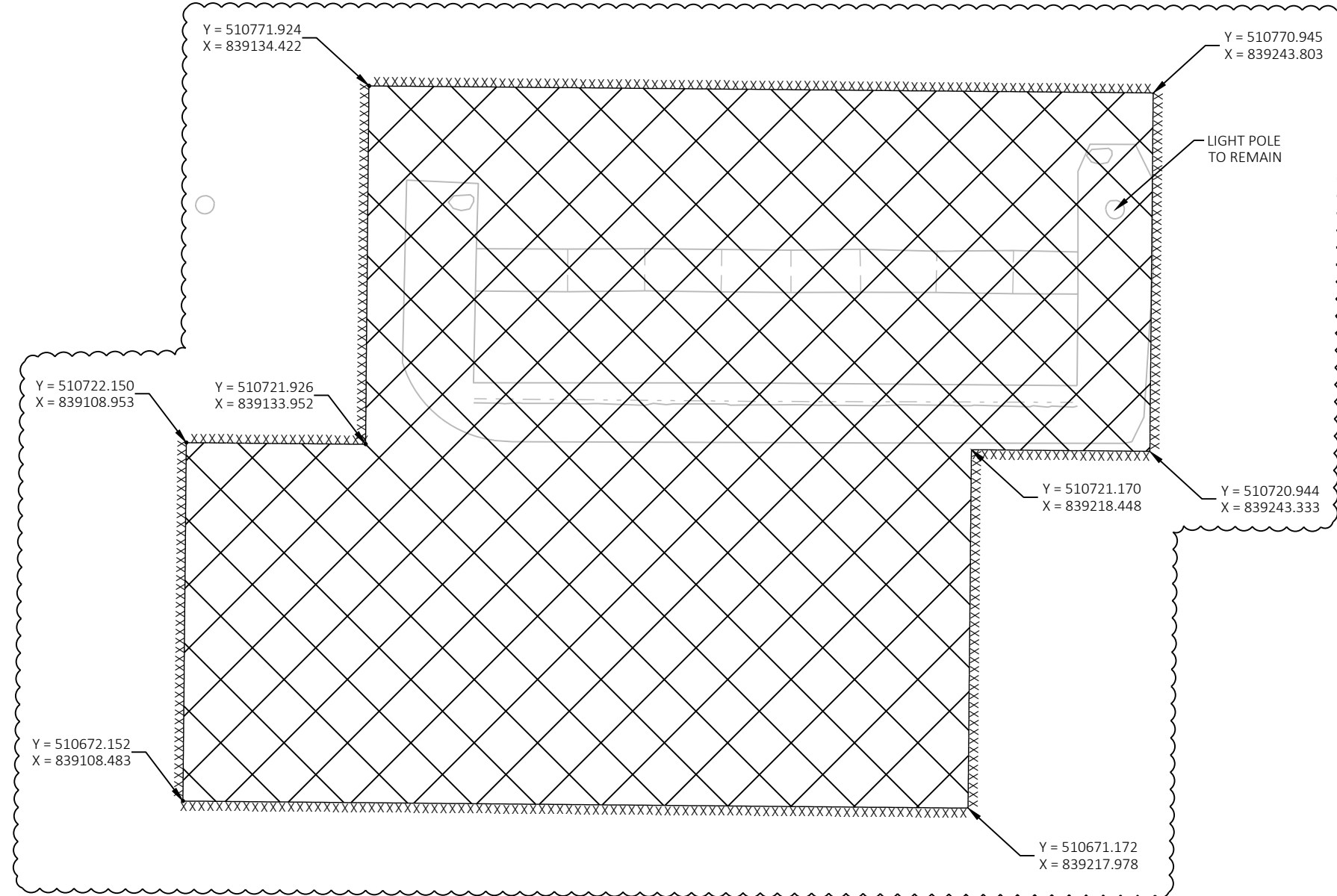
GRADING PLAN: HANSON ROAD	60631225P
BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI
CITY OF MADISON	CONTRACT NO: 60631225C



60631225P

P34-E

	REMOVING PAVEMENT (ASPHALT PAID AS "EXCAVATION COMMON", CONCRETE AS "REMOVING CONCRETE PAVEMENT")
	REMOVING CONCRETE CURB (PAID AS "REMOVING CONCRETE CURB & GUTTER")
	REMOVING CONCRETE CURB & GUTTER (PAID AS "REMOVING CONCRETE PAVEMENT" WHEN ADJACENT TO CONCRETE PAVEMENT)
	REMOVING CONCRETE SIDEWALK & DRIVEWAY (PAID AS REMOVING CONCRETE SIDEWALK)
	SAWING PAVEMENT (SEE QUANTITIES FOR ASPHALT/CONCRETE)
	REMOVING FENCE
	REMOVING TREE (PAID AS CLEARING & GRUBBING)
	REMOVING VEGETATION (PAID AS CLEARING & GRUBBING)
	INLET PROTECTION, TYPE D - COMPLETE (UNLESS OTHERWISE NOTED)
	REMOVE STREET LIGHT POLE & BASE, TRAFFIC SIGNAL POLE & BASE, & CABINET (PAID AS "REMOVING TRAFFIC SIGNALS (LOCATION)" AND "REMOVING BASE")
	REMOVING PULL BOX
	REMOVING STORM SEWER XX-INCH
	REMOVING INLET, REMOVING CATCHBASIN (PAID AS REMOVING INLET)
	ABANDON CONDUIT
	ABANDONING SEWER (ABANDON PIPE WITH SLURRY)
	*ALL SIGNING REMOVALS FOUND ON THE MARKING AND SIGNING PLANS

[illegible]

60631225P

REMOVAL PLAN: METRO SATELLITE MAINTENANCE FACILITY

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

CITY OF MADISON



60631225F

P34-E

SITE PLAN LEGEND			
	REINFORCED CONCRETE PLATFORM TYPE X		CONCRETE DRIVEWAY 7-INCH
	CONCRETE PLATFORM RAMP (SLOPED WALKWAY)		CONCRETE GUTTER 12-INCH OR 24-INCH (PAVED INTEGRAL TO LANE)
	CONCRETE PAVEMENT X-INCH, SEE GENERAL NOTES FOR STRUCTURE		
	X-INCH HMA PAVEMENT, SEE GENERAL NOTES FOR STRUCTURE		CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
	CONCRETE PAVEMENT X-INCH, COLORING CONCRETE WISDOT RED		CONCRETE CURB & GUTTER INTEGRAL 24-INCH OR 30-INCH TYPE J (MOUNTABLE)
	CONCRETE SIDEWALK 5-INCH		
	CONCRETE SIDEWALK 7-INCH		CONCRETE CURB & GUTTER XX-INCH TYPE X
	TOPSOIL, SEEDING & EROSION MAT URBAN CLASS I TYPE A		CONCRETE CURB PEDESTRIAN
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA		CONCRETE CURB EXTENSION 6-INCH OR 24-INCH
	CLEAR AREA		
	LOCAL ROUTE BOARDING AREA		CONCRETE CURB & GUTTER 24-INCH TYPE H SPECIAL
	CONCRETE SIDEWALK X-INCH, STAMPING COLORED CONCRETE		CONCRETE CURB & GUTTER INTEGRAL 18-INCH OR 24-INCH SPECIAL
	TREES		
	TREE PROTECTION		BIKE RACK (MOUNTED TO CONCRETE)
			SEE STORM SEWER SCHEDULE



REVISÉ 03/01/2023 MEM

[illegible]

SITE PLAN: METRO SATELLITE MAINTENANCE FACILITY

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

P35-E

STORM SEWER SCHEDULE

REVISÉD 03/13/2023 VTC

PROPOSED STORM STRUCTURES

STRUC. NO	STATION	LOCATION (OFFSET)	TYPE/CASTING	TOP OF CASTING	E.I	DEPTH	NOTES
SITE 7 - WHITNEY WAY AT MINERAL POINT ROAD (ALIGNMENT MP)							
S702	30+15.46	LT 53.93	2X3-S/SALVAGE CASTING	990.31	986.69	3.62	USE CASTING FROM IN3356-045
S701	30+26.25	LT 52.25	2X3-S/SALVAGE CASTING	990.25	986.74	3.51	USE CASTING FROM IN3355-009
S703	30+13.09	LT 67.24	4 FT/J-S	990.10	986.62	3.48	FLAT TOP SLAB REQ'D
C704	199+30.90	LT 8.16	CONNECTION		987.00		CONCRETE COLLARS FOR PIPE REQ'D
C703	199+30.82	LT 9.18	CONNECTION		986.79		CONCRETE COLLARS FOR PIPE REQ'D
C705	199+33.26	RT 8.34	CONNECTION		986.79		CONCRETE COLLARS FOR PIPE REQ'D
C701	199+33.26	RT 8.34	CONNECTION		986.62		CONCRETE COLLARS FOR PIPE REQ'D
SITE 17 - UNIVERSITY AVENUE AT EAST CAMPUS MALL (ALIGNMENT UN)							
S1703	836+18.40	LT 28.63	2X3/H-S	868.40	862.24	6.16	
S1702	834+67.14	LT 29.44	2X3/SALVAGE CASTING	867.88	862.98	4.90	USE CASTING FROM IN4750-076
S1701	833+29.12	LT 28.24	2X3/HM-GJ-S	867.86	863.61	4.25	NEENAH R-3067-709 CURB BOX OR APPROVED EQUAL REQ'D
C1702	834+67.14	LT 29.44	CONNECTION		862.78		STORM SEWER TAP REQ'D
C1701	833+29.12	LT 28.24	CONNECTION		863.76		STORM SEWER TAP REQ'D
C1703	836+18.40	LT 28.63	CONNECTION		863.10		STORM SEWER TAP REQ'D
SITE 16 - JOHNSON STREET AT ORCHARD STREET (ALIGNMENT JO)							
S1601	208+43.69	RT 20.30	2X3/H	873.20	867.56	5.64	
C1601	209+38.83	RT 19.97	CONNECTION		866.52		STORM SEWER TAP REQ'D
SITE 47 - RANDALL AVE ROADWAY WORK (ALIGNMENT JO)							
S4701	206+37.79	RT 9.25	2X3/SALVAGE CASTING	874.86	868.87	5.99	USE CASTING FROM IN4651-144
C4701	206+37.79	RT 9.25	CONNECTION		868.78		11.25 DEGREE BEND AND CONCRETE COLLARS FOR PIPE REQ'D
SITE 44 - SHEBOYGAN & WHITNEY WAY ROADWAY IMPROVEMENTS (ALIGNMENT WW)							
S4402	78+44.00	RT 14.81	2X3/SALVAGE CASTING	940.00	936.14	3.86	USE CASTING RS4401
S4401	78+44.25	LT 9.65	2X3/SALVAGE CASTING	940.01	936.34	3.67	USE CASTING RS4402
S4403	78+43.44	RT 46.78	2X3/SALVAGE CASTING	939.66	935.81	3.85	USE CASTING RS4403
C4401	78+56.80	RT 45.70	CONNECTION		935.59		11.25 DEGREE BEND AND CONCRETE COLLARS FOR PIPE REQ'D
SITE 42 - HANSON RD							
S4201	6+23.03	RT 7.73	ENDWALL	870.85	869.14	1.71	18" RCP APRON ENDWALL

PROPOSED STORM PIPES

PIPE NO.	FROM (DISCH.)	TO (INLET)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE %	PIPE SIZE (IN)	PIPE TYPE	NOTES
SITE 7 - WHITNEY WAY AT MINERAL POINT ROAD										
P708	AS701	PLATFORM ROOF DRAIN	992.90	993.25	60	59.72	0.58%	8	SCHEDULE 40 PVC	
P706	P703	PLATFORM ROOF DRAIN	987.00	989.56	73	72.20	3.47%	8	SCHEDULE 40 PVC	
P703	S703	C703	986.62	986.79	18	17.10	0.89%	12	RCP C-III	
P702	S703	S702	986.62	986.69	10	9.92	0.52%	12	RCP C-III	
P701	S702	S701	986.69	986.74	9	8.93	0.50%	12	RCP C-III	
SITE 17 - UNIVERSITY AVENUE AT EAST CAMPUS MALL										
P1701	WYE CONNECTION	PLATFORM ROOF DRAIN	864.25	864.50	54	53.61	0.47%	8	SCHEDULE 40 PVC	
P1702	S1701	PLATFORM ROOF DRAIN	863.25	864.25	21	20.25	4.67%	8	SCHEDULE 40 PVC	
SITE 13 - UNIVERSITY AVENUE AT SHOREWOOD BOULEVARD										
P1303	AS1301	PLATFORM ROOF DRAIN	874.35	874.50	31	30.66	0.50%	8	SCHEDULE 40 PVC	
P1305	AS1303	PLATFORM ROOF DRAIN	873.50	875.00	23	22.10	6.79%	8	SCHEDULE 40 PVC	
SITE 14 - UNIVERSITY AVENUE AT UNIVERSITY BAY DRIVE										
P1403	P1402	PLATFORM ROOF DRAIN	873.00	874.80	54	53.60	3.37%	8	SCHEDULE 40 PVC	
P1402	S1401	P1403	872.23	873.00	27	26.27	2.93%	8	SCHEDULE 40 PVC	
SITE 16 - JOHNSON STREET AT ORCHARD STREET										
P1601	AS1601	S1601	866.52	867.56	101	100.74	1.00%	12	RCP C-III	
P4701	C4701	S4701	868.78	868.87	6	5.69	1.19%	12	RCP C-III	
SITE 44 - SHEBOYGAN & WHITNEY WAY ROADWAY IMPROVEMENTS										
P4402	S4403	S4402	935.86	936.14	30	29.98	0.88%	12	RCP C-III	
P4403	C4401	S4403	935.59	935.81	9	8.22	2.27%	12	RCP C-III	
P4401	S4402	S4401	936.14	936.34	23	22.47	0.82%	12	RCP C-III	

SITE 42 - HANSON RD

P4201	S4201	AS4201	869.14	870.85	102	100.78	1.68%	18	RCP C-III
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60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

STRUCTURES TABLE

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

P39-E

STORM SEWER SCHEDULE

REVISÉ 03/08/2023 VTC

REMOVE STORM STRUCTURES

STRUC. NO	STATION	LOCATION (OFFSET)	TYPE	NOTES
SITE 4 - MINERAL POINT ROAD AT GRAND CANYON DRIVE				
RS403	133+97.64	RT 7.83	2X3/H	IN2856-011
RS402	133+97.65	LT 2.01	2X3/H	IN2856-008
SITE 1 - JUNCTION ROAD				
RS103	1+21.08	LT 44.41	ENDWALL	AE2157-019
RS101	5+00.96	LT 53.66	ENDWALL	AE-2156-074
RS102	-	-	ENDWALL	AE2156-075
SITE 12 - UNIVERSITY AVENUE AT MIDVALE BOULEVARD				
RS1206	314+64.73	RT 71.77	2X3/H	IN3750-075
RS1209	314+70.88	RT 20.8	2X3/H	IN3750-080
RS1208	314+80.88	RT 21.26	2X3/H	IN3750-079
RS1207	314+81.60	RT 9.80	2X3/H	IN3750-078
RS1204	314+70.62	LT 10.88	2X3/H	IN3749-038
RS1211	314+71.11	LT 2.03	2X3/H	IN3750-082
RS1203	314+79.24	LT 10.93	2X3/H	IN3749-037
RS1210	314+80.65	LT 2.11	2X3/H	IN3750-081
RS1201	314+78.96	LT 50.55	2X3/H	IN3749-033
RS1202	314+70.63	LT 50.71	2X3/H	IN3749-034
SITE 15 - UNIVERSITY AVENUE AT ORCHARD STREET				
RS1502	813+76.53	LT 28.85	2X3/H	IN4650-077
RS1501	812+84.13	LT 28.95	2X3/H	IN4650-076
SITE 8 - WHITNEY WAY AT REGENT STREET				
RS801	59+32.47	LT 47.03	2X3/H	IN3353-053
SITE 2 - MINERAL POINT ROAD AT HIGH POINT ROAD				
RS201	79+38.60	RT 3.68	2X3/H	IN2456-001
RS202	79+38.24	RT 13.22	2X3/H	IN2456-008
SITE 7 - WHITNEY WAY AT MINERAL POINT ROAD				
RS701	30+29.73	LT 67.26	2X3/H	IN3355-009
RS702	30+19.92	LT 67.40	2X3/H	IN3356-045
SITE 17 - UNIVERSITY AVENUE AT EAST CAMPUS MALL				
RS1701	834+33.64	LT 29.50	2X3/H	IN4750-076
SITE 47 - RANDALL AVE ROADWAY WORK				
RS4701	206+55.69	RT 9.35	2X3/H	IN4651-144
SITE 44 - SHEBOYGAN & WHITNEY WAY ROADWAY IMPROVEMENTS				
RS4402	78+48.06	LT 8.42	2X3/H	IN3450-049
RS4401	78+47.94	RT 13.58	2X3/H	IN3450-048
RS4403	78+47.92	RT 48.13	2X3/H	IN3451-005
SITE 42 - HANSON RD				
RS4201	5+79.60	LT 17.04	ENDWALL	AE6417-016

ADJUST STORM STRUCTURES

STRUC. NO	STATION	LOCATION (OFFSET)	TYPE	NOTES
SITE 45 - CAMPUS DRIVE ROADWAY WORK (EB)				
AS4501	1011+19.20	RT 36.938	2X3/H	IN4450-125
AS4503	1010+26.78	RT 31.834	4-FT/J-S	IN4550-122
SITE 1 - JUNCTION ROAD				
AS101	1+19.21	RT 396.91	2X3/H	IN2156-072/H-M; SWAP STRUCTURE CASTING
SITE 12 - UNIVERSITY AVENUE AT MIDVALE BOULEVARD				
AS1209	314+54.69	RT 71.58	2X3/H	IN3750-076
AS1202	314+79.22	LT 18.18	6-FT/J-S	CB3749-036
AS1201	315+02.83	RT 71.85	3-FT/C	AS3750-092
AS1208	315+04.26	RT 105.99	2X3/H	IN3750-074
AS1207	315+03.45	RT 101.71	2X3/H	IN3750-073
AS1205	315+11.64	RT 8.72	2X3/H	IN3750-077
SITE 15 - UNIVERSITY AVENUE AT ORCHARD STREET				
AS1501	811+90.54	LT 20.33	4-FT/J-S	AS4650-072
SITE 8 - WHITNEY WAY AT REGENT STREET				
AS802	60+12.83	LT 62.73	2X3/H	IN3353-050
AS803	59+88.21	LT 63.26	2X3/H	IN3353-051
AS801	60+25.69	LT 49.37	2X3/H	IN3352-029
AS804	59+73.09	LT 62.99	2X3/H	IN3353-052
AS808	59+35.66	LT 42	3X3/MS	IN3353-054
AS806	60+39.67	RT 11.07	2X3/H	IN3452-003
AS805	60+22.83	RT 0.25	2X3/H	IN3452-001
AS807	60+40.60	RT 44.15	2X3/H	IN3452-004
SITE 7 - WHITNEY WAY AT MINERAL POINT ROAD				
AS701	30+55.89	LT 252.14	2X3/H	IN3355-014
AS702	30+46.79	LT 252.98	2X3/H	IN3355-015
SITE 17 - UNIVERSITY AVENUE AT EAST CAMPUS MALL				
AS1701	835+71.54	LT 26.03	4-FT/J-S	AS4850-126
AS1703	835+08.00	LT 25.44	4-FT/J-S	AS4850-125
AS1704	834+34.12	LT 26.31	4-FT/J-S	AS4750-076
AS1702	834+50.51	LT 29.32	2X3/H	IN4750-086
SITE 13 - UNIVERSITY AVENUE AT SHOREWOOD BOULEVARD				
AS1303	337+08.41	LT 1.59	2X3/S	PART OF UNIVERSITY BAY PROJECT
AS1302	337+64.43	RT 7.75	2X3/S	PART OF UNIVERSITY BAY PROJECT
AS1301	336+10.46	LT 1.81	2X3/S	PART OF UNIVERSITY BAY PROJECT
SITE 14 - UNIVERSITY AVENUE AT UNIVERSITY BAY DRIVE				
AS1401	363+78.20	RT 8.89	4-FT/J-S	PART OF UNIVERSITY BAY PROJECT
AS1402	363+78.34	LT 3.84	4-FT/J-S	PART OF UNIVERSITY BAY PROJECT
SITE 16 - JOHNSON STREET AT ORCHARD STREET				
AS1601	209+45.48	RT 20.16	2X3/H	IN4651-125
AS1602	208+83.64	RT 42.07	4-FT/J-S	AS4651-124
SITE 42 - HANSON RD				
AS4201	5+65.06	LT 18.21	2X3/M	IN6417-015

[illegible]

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

STRUCTURES TABLE

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

P-40E

STORM SEWER SCHEDULE

REVISÉD 03/08/2023 VTC



REMOVE STORM PIPES

PIPE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PAID (Y/N)	PAY LGTH (FT)	PIPE SIZE (IN)	PIPE TYPE	NOTES
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SITE 4 - MINERAL POINT ROAD AT GRAND CANYON DRIVE

RP402	C403	C404	7.93	Y	8	15	RCP C-III
RP401	C401	C402	12.56	Y	13	15	RCP C-III

SITE 1 - JUNCTION ROAD

RP101	AE2157-019	S109	6	Y	6	18	RCP C-III
RP102	AE-2156-074	S116	3.94	Y	4	18	RCP C-III
RP103	S118	AE2156-075	35.74	Y	36	21	RCP C-III

SITE 12 - UNIVERSITY AVENUE AT MIDVALE BOULEVARD

RP1205	RS1208	RS1209	10	Y	10	12	RCP C-III
RP1204	RS1207	RS1208	11.48	Y	12	12	RCP C-III
RP1203	RS1210	RS1211	9.54	Y	10	12	RCP C-III
RP1202	RS1203	RS1204	8.62	Y	9	12	RCP C-III
RP1201	RS1201	RS1202	8.32	Y	9	12	RCP C-III

SITE 15 - UNIVERSITY AVENUE AT ORCHARD STREET

RP1501	AP1501	RS1501	10.95	Y	11	18	RCP C-III
RP1502		S1504	7.89	Y	8	18	RCP C-III
RP1503	S1505	RS1502	7.09	Y	8	12	RCP C-III

SITE 2 - MINERAL POINT ROAD AT HIGH POINT ROAD

RP202	C201	RS201	10.21	Y	11	15	RCP C-III
RP201	RS201	RS202	8.05	Y	9	15	RCP C-III

SITE 7 - WHITNEY WAY AT MINERAL POINT ROAD

RP701	RS701	RS702	8.14	Y	9	12	RCP C-III
RP702	RS702	S703	6.84	Y	7	12	RCP C-III

SITE 47 - RANDALL AVE ROADWAY WORK

RP4701	RS701	RS702	8.14	Y	9	12	RCP C-III
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SITE 44 - SHEBOYGAN & WHITNEY WAY ROADWAY IMPROVEMENTS

RP4401	RS4401	RS4402	19.84	Y	20	12	RCP C-III
RP4402	RS4403	RS4401	32.57	Y	33	12	RCP C-III

SITE 42 - HANSON RD

RP4201	RS4201	AS4201	13.59	Y	14	18	CMP
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ABANDON STORM PIPES

PIPE NO.	FROM (DNSTR)	TO (UPSTR)	LENGTH (FT)	PIPE SIZE (IN)	PIPE TYPE	PAID (Y/N)	NOTES
----------	-----------------	---------------	----------------	-------------------	-----------	---------------	-------

SITE 12 - UNIVERSITY AVENUE AT MIDVALE BOULEVARD

AP1203	S1207	RS1207	10	12	RCP C-III	Y
AP1202	AS1202	RS1203	8	12	RCP C-III	Y
AP1201	AS1202	RS1201	33	12	RCP C-III	Y

SITE 15 - UNIVERSITY AVENUE AT ORCHARD STREET

AP1502	RS1502	RS1501	93	18	RCP C-III	Y
AP1501	RP1501	AS1501	82	18	RCP C-III	Y

SPEED
LIMIT
30

SPEED
LIMIT
30



MATCHLINE B

MATCHLINE A

S JUNCTION ROAD

EXISTING R/W

PROGRAMMABLE SIGNAL HEAD

EXISTING R/W

SIGNAL PLAN LEGEND

	CONTROL CABINET		TRAFFIC SIGNAL HEAD
	CONCRETE BASE TYPE G, PEDESTAL BASE, POLE		BUS INDICATOR
	CONCRETE BASE TYPE LB-3, TRANSFORMER BASE, POLE, LUMINAIRE AND MOUNTING BRACKET, UNLESS OTHERWISE NOTED		DON'T WALK INDICATOR 16"
	CONCRETE BASE TYPE LB-8, TRANSFORMER BASE, POLE, TROMBONE ARM		WALK INDICATOR 16"
	CONCRETE BASE TYPE 10, POLE, MONOTUBE ARM		EVP DETECTOR HEAD, AND EVP DESIGNATOR
	CONCRETE BASE TYPE 13, POLE, MONOTUBE ARM		ELECTRICAL PULL BOX TYPE 3
	MONOTUBE BASE, POLE, X' ARM		ELECTRICAL PULL BOX TYPE 5
	NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED		ELECTRICAL PULL BOX TYPE 7
	CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED		PEDESTRIAN HEAD
			APS PUSH BUTTON/PUSH BUTTON
			LANE DESIGNATION FOR INFO ONLY

NOTE: OTHER LEGEND CELLS SHOWN ON TRAFFIC SIGNAL LEGEND SHEET

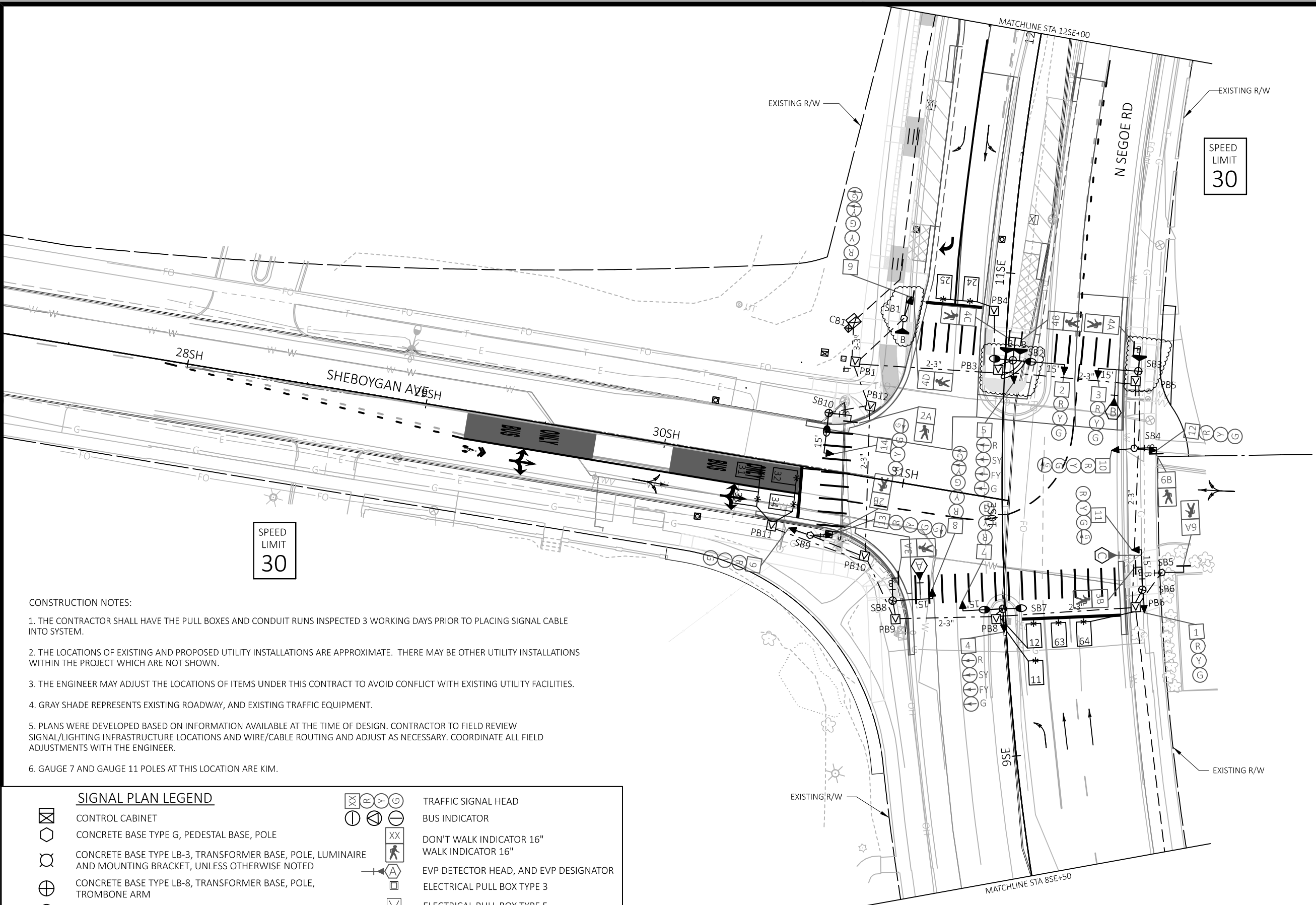
MARK	DESIGNED BY: TSI	REVISION	DATE	BY
60631225P	60631225P	127/2023	TSI	

SIGNAL PLAN: JUNCTION ROAD AT PARK AND RIDE ROAD	60631225P
BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI
CITY OF MADISON	CONTRACT NO: 60631225C



60631225P
S-1A

REVISED BY TSI 1/27/2023



SPEED
LIMIT
30

SPEED
LIMIT
30

- CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 3 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM.
 2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
 3. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
 4. GRAY SHADE REPRESENTS EXISTING ROADWAY, AND EXISTING TRAFFIC EQUIPMENT.
 5. PLANS WERE DEVELOPED BASED ON INFORMATION AVAILABLE AT THE TIME OF DESIGN. CONTRACTOR TO FIELD REVIEW SIGNAL/LIGHTING INFRASTRUCTURE LOCATIONS AND WIRE/CABLE ROUTING AND ADJUST AS NECESSARY. COORDINATE ALL FIELD ADJUSTMENTS WITH THE ENGINEER.
 6. GAUGE 7 AND GAUGE 11 POLES AT THIS LOCATION ARE KIM.

SIGNAL PLAN LEGEND

- CONTROL CABINET
- CONCRETE BASE TYPE G, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE LB-3, TRANSFORMER BASE, POLE, LUMINAIRE AND MOUNTING BRACKET, UNLESS OTHERWISE NOTED
- CONCRETE BASE TYPE LB-8, TRANSFORMER BASE, POLE, TROMBONE ARM
- CONCRETE BASE TYPE 10, POLE, MONOTUBE ARM
- CONCRETE BASE TYPE 13, POLE, MONOTUBE ARM
- MONOTUBE BASE, POLE, X' ARM
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED

- TRAFFIC SIGNAL HEAD
- BUS INDICATOR
- DON'T WALK INDICATOR 16" WALK INDICATOR 16"
- EVP DETECTOR HEAD, AND EVP DESIGNATOR
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- PEDESTRIAN HEAD
- APS PUSH BUTTON/PUSH BUTTON
- LANE DESIGNATION FOR INFO ONLY

NOTE: OTHER LEGEND CELLS SHOWN ON TRAFFIC SIGNAL LEGEND SHEET

60631225P

CITY OF MADISON

SIGNAL PLAN: N SEGOE ROAD AT SHEBOYGAN AVENUE

BUS RAPID TRANSIT

CITY OF MADISON, WI

CONTRACT NO: 60631225C

60631225P

S-13A

APSPB UPDATE

REVISION

DATE

BY

12/7/2023

TSI

140_XREF

MARK

Designed By: TSI

60631225P

Date: 2022-10-17

Scale: 1:40_XREF

REVISED BY TSI 1/27/2023

FILE NAME : pw://aecom-na-pw.bentley.com/aecom_DS20_NA_2019/Documents/60631225-Madison BRT Ph2 Pre-Design/900-CAD GIS/West/Sheets/024213-sp.dwg
LAYOUT NAME - Plan 1 IN 40 FT
LAST PLOT DATE - 1/17/2023

PROJECT ID:	60631225P					SIGNAL WIRE COLOR CODING		BLK-BLACK	RED-RED	GRN-GREEN						DATE:		Oct-22
INTERSECTION:	SHEBOYGAN AVE & SEGOE RD																	

CB1 TO	AWG 14 # OF COND.	HEAD NO.	SIGNAL INDICATION WIRE COLOR												PED BUTTON	OTHER	
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<FLASH YEL>	<GREEN>	" - "	" Δ "	" "	D/WALK	WALK			
SB1	12	6	RED	ORG	GRN												
		4D												BLK	BLU		
		PB														WHT/BLK	
SB2	19	2	RED	ORG	GRN												
		5				RED/BLK	ORG/BLK	BLU/BLK	GRN/BLK								
		4B												BLK	BLU		
		4C												BLU/BLK	BLU/WHT		
		PB															
		PB														WHT/BLK WHT/BLU	
SB3	12	3	RED	ORG	GRN												
		4A												BLK	BLU		
		PB														WHT/BLK	
SB4	19	10	RED	ORG	GRN					BLU/BLK							
		12	RED/BLK	ORG/BLK	GRN/BLK					BLK/WHT							
		6B												BLK	BLU		
		PB														WHT/BLK	
SB5	7	6A												BLK	BLU		
		PB														WHT/BLK	
SB6	15	1	RED	ORG	GRN												
		11	RED/BLK	ORG/BLK	GRN/BLK					BLU/BLK							
		8B															
		PB												BLK	BLU		
																WHT/BLK	
SB7	12	4				RED/BLK	ORG/BLK	BLU/BLK	GRN/BLK								
		7	RED	ORG	GRN												
SB8	12	8	RED	ORG	GRN												
		8A												BLK	BLU		
		PB														WHT/BLK	
SB9	19	9	RED	ORG	GRN					BLU/BLK							
		13	RED/BLK	ORG/BLK	GRN/BLK					BLK/WHT							
		2B												BLK	BLU		
		PB														WHT/BLK	
SB10	12	14	RED	ORG	GRN												
		2A												BLK	BLU		
		PB														WHT/BLK	

- NOTES:
1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
 2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.
 3. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART.

EMERGENCY VEHICLE PREEMPTION WITH CONFIRMATION LIGHTS		
HEAD	FROM	TO
A	CB1	SB8
B	CB1	SB3
C	CB1	SB6

LIGHTING UF 8 AWG W/ GROUND	
FROM	TO
CB1	SB2
SB2	SB7
SB7	SB10
SB10	CB1

EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	CB1

CABEL ROUTING: SEGOE RD AT SHEBOYGAN AVE

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C



60631225P

S-13D

PLAN/REVISION 1

2/28/2023

TSI

BY

DATE

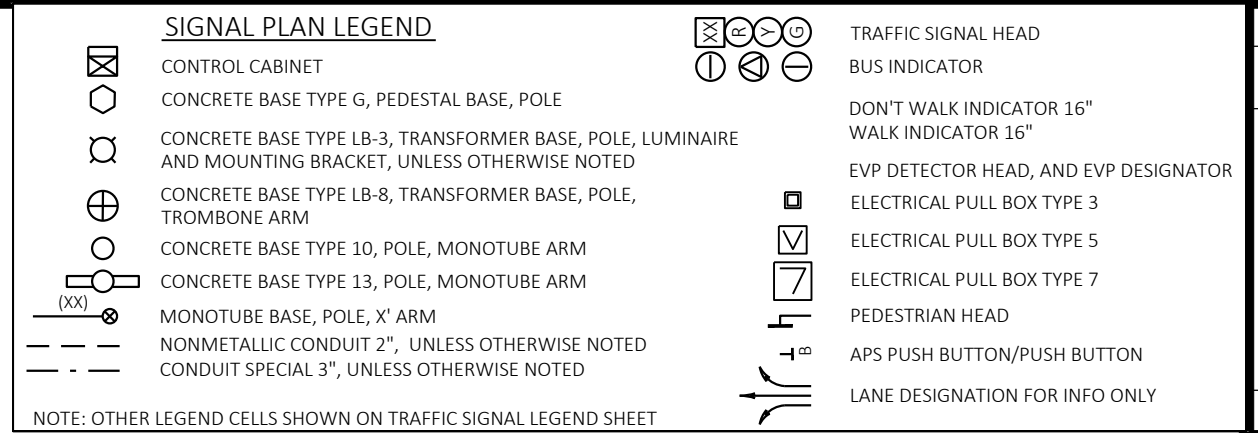
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Mark

Designed By: TSI

Date: 3/2/2023

60631225P



FILE NAME : C:\PWORKING\AECOM_DS20_NA_2019\JAMES.JENINGA@AECOM.COM\DM586348\024214-SP.DWG
LAYOUT NAME - Plan 1 IN 40 FT 01
LAST PLOT DATE - 2023-02-22

CB1 TO SB1	AWG 14 # OF COND. EXISTING	HEAD NO. 25	SIGNAL INDICATION WIRE COLOR											PED BUTTON	OTHER	
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<FLASH YEL>	<GREEN>	" - "	"Δ"	"I"	DWALK	WALK		
			EXISTING													
SB2	15	1	RED	ORG	GRN		RED/WHT		GRN/WHT							
		13				RED/BLK	ORG/BLK		GRN/BLK							
		1D											BLK	BLU		
		3D											BLK BLK/WHT	BLU BLU/BLK		
		PB													WHT/BLK	
SB3	15	6					RED	ORG		GRN						
		14					RED/BLK	ORG/BLK		GRN/BLK						
		15					RED/BLK	ORG/BLK		GRN/BLK						
		3B											BLK	BLU		
		3C											BLK BLU/BLK	BLU BLU/WHT		
		PB													WHT/BLK	
		PB													BLK/WHT	
SB4	12	10	RED	ORG	GRN											
		11	RED	ORG	GRN											
		3A											BLK	BLU		
		PB													WHT/BLK	
SB5	EXISTING	17	EXISTING													
		23	EXISTING													
		2A	EXISTING													
SB6	EXISTING	18	EXISTING													
SB7	EXISTING	9	EXISTING													
		2B	EXISTING													
		4A	EXISTING													
		PB	EXISTING													
SB8	EXISTING	7	MATCH EXISTING													
		4B	EXISTING													
		4C	EXISTING													
		PB	EXISTING													
SB9	12	5								RED	ORG	GRN				
		8				RED/BLK	ORG/BLK		GRN/BLK							
		21	BLK				BLU		BLU/BLK							
SB10	EXISTING	22	EXISTING													
SB11	15	2	RED	ORG	GRN		ORG/BLK		GRN/BLK							
		3	RED	ORG	GRN											
		4	RED	ORG	GRN											
		1B											BLK	BLU		
		4D											BLU BLU/BLK	BLU BLU/WHT		
		PB													WHT/BLK	
SB12	EXISTING	19	EXISTING													
		1C	EXISTING													
SB13	EXISTING	20	EXISTING													
		1A	EXISTING													
SB14	EXISTING	16	EXISTING													
		24	EXISTING													

- NOTES:
- USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
 - ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.
 - AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART.
CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
 - RECONNECT THE GROUNDING CONDUCTORS WHEREVER THE CIRCUIT HAS BEEN INTERRUPTED TO ENSURE THE GROUNDING CIRCUIT IS COMPLETE.

EMERGENCY VEHICLE PREEMPTION WITH CONFIRMATION LIGHTS		
HEAD	FROM	TO
A	CB1	SB4
B	CB1	SB12
C	CB1	SB7

LIGHTING UF	
8 AWG W/ GROUND	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB4
SB4	SB5
CB1	SB12
SB12	SB9
SB9	SB7
SB7	SB6

MIRCOWAVE DETECTION		
HEAD	FROM	TO
MD1	CB1	SB4
MD2	CB1	SB11

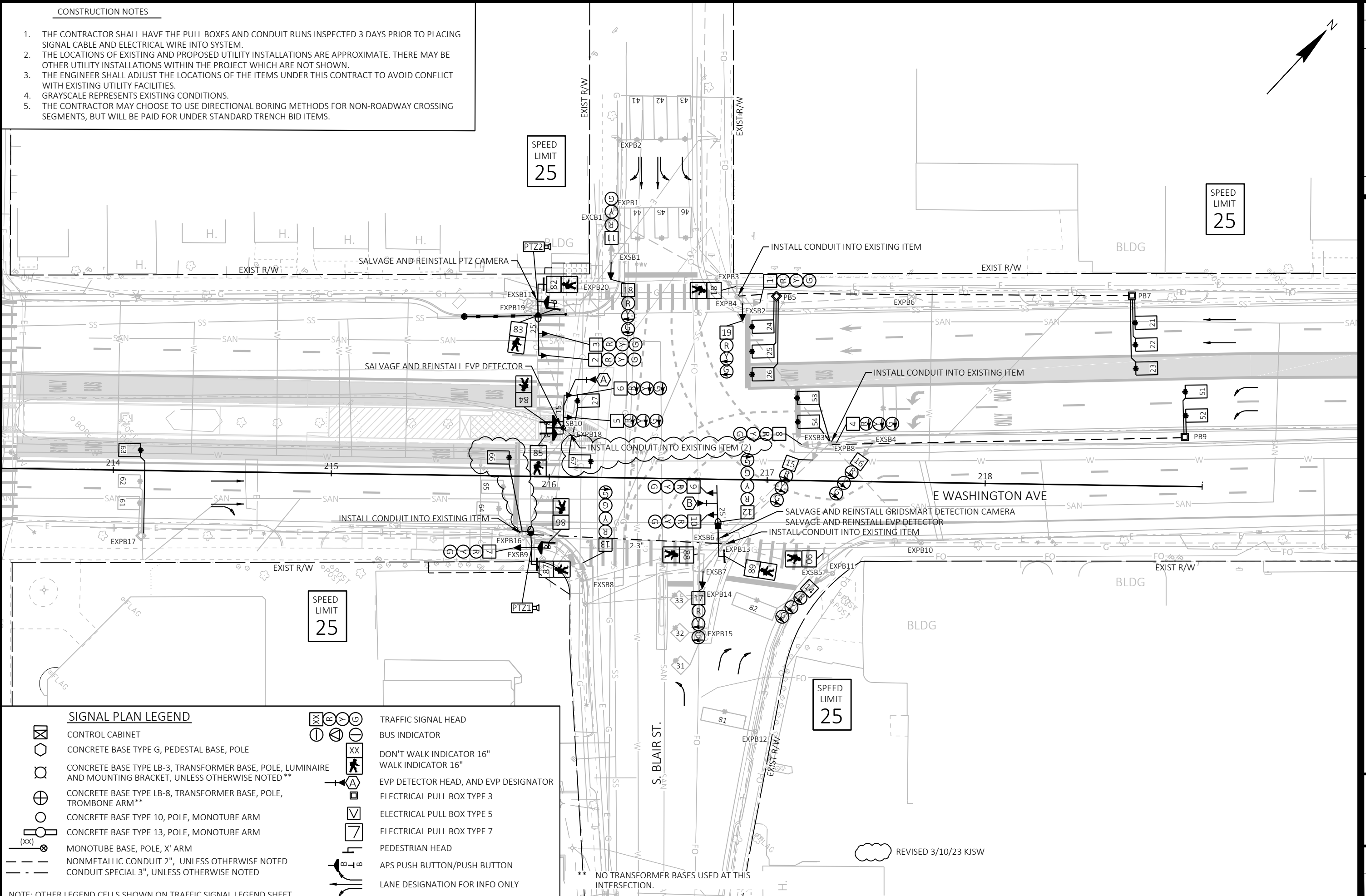
PTZ CAMERA		
HEAD	FROM	TO
PTZ1	CB1	SB3

VIDEO DETECTION		
HEAD	FROM	TO
EXV1	CB1	SB6
EXV2	CB1	SB9
EXV3	CB1	SB12
V1	CB1	SB3
V2	CB1	SB4

EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB13
SB13	SB11
SB11	SB12
SB12	SB14
SB14	CB1

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 3 DAYS PRIOR TO PLACING SIGNAL CABLE AND ELECTRICAL WIRE INTO SYSTEM.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. THE ENGINEER SHALL ADJUST THE LOCATIONS OF THE ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
4. GRAYSCALE REPRESENTS EXISTING CONDITIONS.
5. THE CONTRACTOR MAY CHOOSE TO USE DIRECTIONAL BORING METHODS FOR NON-ROADWAY CROSSING SEGMENTS, BUT WILL BE PAID FOR UNDER STANDARD TRENCH BID ITEMS.



SIGNAL PLAN LEGEND

	CONTROL CABINET		TRAFFIC SIGNAL HEAD
	CONCRETE BASE TYPE G, PEDESTAL BASE, POLE		BUS INDICATOR
	CONCRETE BASE TYPE LB-3, TRANSFORMER BASE, POLE, LUMINAIRE AND MOUNTING BRACKET, UNLESS OTHERWISE NOTED**		DON'T WALK INDICATOR 16" WALK INDICATOR 16"
	CONCRETE BASE TYPE LB-8, TRANSFORMER BASE, POLE, TROMBONE ARM**		EVP DETECTOR HEAD, AND EVP DESIGNATOR
	CONCRETE BASE TYPE 10, POLE, MONOTUBE ARM		ELECTRICAL PULL BOX TYPE 3
	CONCRETE BASE TYPE 13, POLE, MONOTUBE ARM		ELECTRICAL PULL BOX TYPE 5
	MONOTUBE BASE, POLE, X' ARM		ELECTRICAL PULL BOX TYPE 7
	NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED		PEDESTRIAN HEAD
	CONDUIT SPECIAL 3", UNLESS OTHERWISE NOTED		APS PUSH BUTTON/PUSH BUTTON
			LANE DESIGNATION FOR INFO ONLY

NOTE: OTHER LEGEND CELLS SHOWN ON TRAFFIC SIGNAL LEGEND SHEET

SIGNAL PLAN: E WASHINGTON AVENUE AT BLAIR STREET

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

S-19C

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

PLAN REVISION 1	DATE	BY
REVISION	2023-03-10	60631225P
MARK	Designed By: STRAM	Scale: 1 IN=40 FT

PROJECT ID:		60631225P		SIGNAL WIRE		BLK-BLACK		RED-RED		GRN-GREEN		DATE:				Oct-22	
INTERSECTION:		WASHINGTON AVE & MELVIN CT/RETHKE AVE		COLOR CODING		WHT-WHITE		BLU-BLUE		ORG-ORANGE							
CB1 TO	AWG 14 # OF COND.	HEAD NO.	SIGNAL INDICATION WIRE COLOR												PED BUTTON	OTHER	
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<FLASH YEL>	<GREEN>	" _ "	"Δ"	" "	D/WALK	WALK			
SB1	12	5	RED	ORG	GRN												
		8D												BLK	BLU		
		PB													WHT/BLK		
SB2	19	2	RED	ORG	GRN												
		3	RED	ORG	GRN												
		8				RED/BLK	ORG/BLK		GRN/BLK								
		8C												BLK	BLU		
		8B												BLU/BLK	BLU/WHT		
		PB													WHT/BLK		
SB3	12	4	RED	ORG	GRN												
		8A												BLK	BLU		
		PB													WHT/BLK		
SB4	12	10	RED	ORG	GRN												
		6B												BLK	BLU		
		PB													WHT/BLK		
SB5	15	14	RED	ORG	GRN												
		15	RED/BLK	ORG/BLK	GRN/BLK												
		6A															
		PB													WHT/BLK		
SB6	12	1	RED	ORG	GRN												
		4D												BLK	BLU		
		PB													WHT/BLK		
SB7	19	6	RED	ORG	GRN												
		9				RED/BLK	ORG/BLK		GRN/BLK								
		4B												BLK	BLU		
		4C												BLU/BLK	BLU/WHT		
		PB													WHT/BLK		
		PB													WHT/BLU		
SB8	12	7	RED	ORG	GRN									BLK	BLU		
		4A												BLK	BLU		
		PB													WHT/BLK		
SB9	12	13	RED	ORG	GRN												
		2B												BLK	BLU		
		PB													WHT/BLK		
SB10	12	11	RED	ORG	GRN												
		12	RED/BLK	ORG/BLK	GRN/BLK												
		2A												BLK	BLU		
		PB													WHT/BLK		

NOTES:
1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.
3. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART.
CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.

EMERGENCY VEHICLE PREEMPTION WITH CONFIRMATION LIGHTS		
HEAD	FROM	TO
A	CB1	SB8
B	CB1	SB2

EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
CB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB1
SB10	CB1

CABEL ROUTING: WASHINGTON AVE AT MELVIN CT/RETHKE AVE

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C



60631225P

S-26D

PLAN REVISION 1

2/28/2023

TSI

BY

DATE

Scale: N/T/S

Mark

Designed By: TSI

60631225P

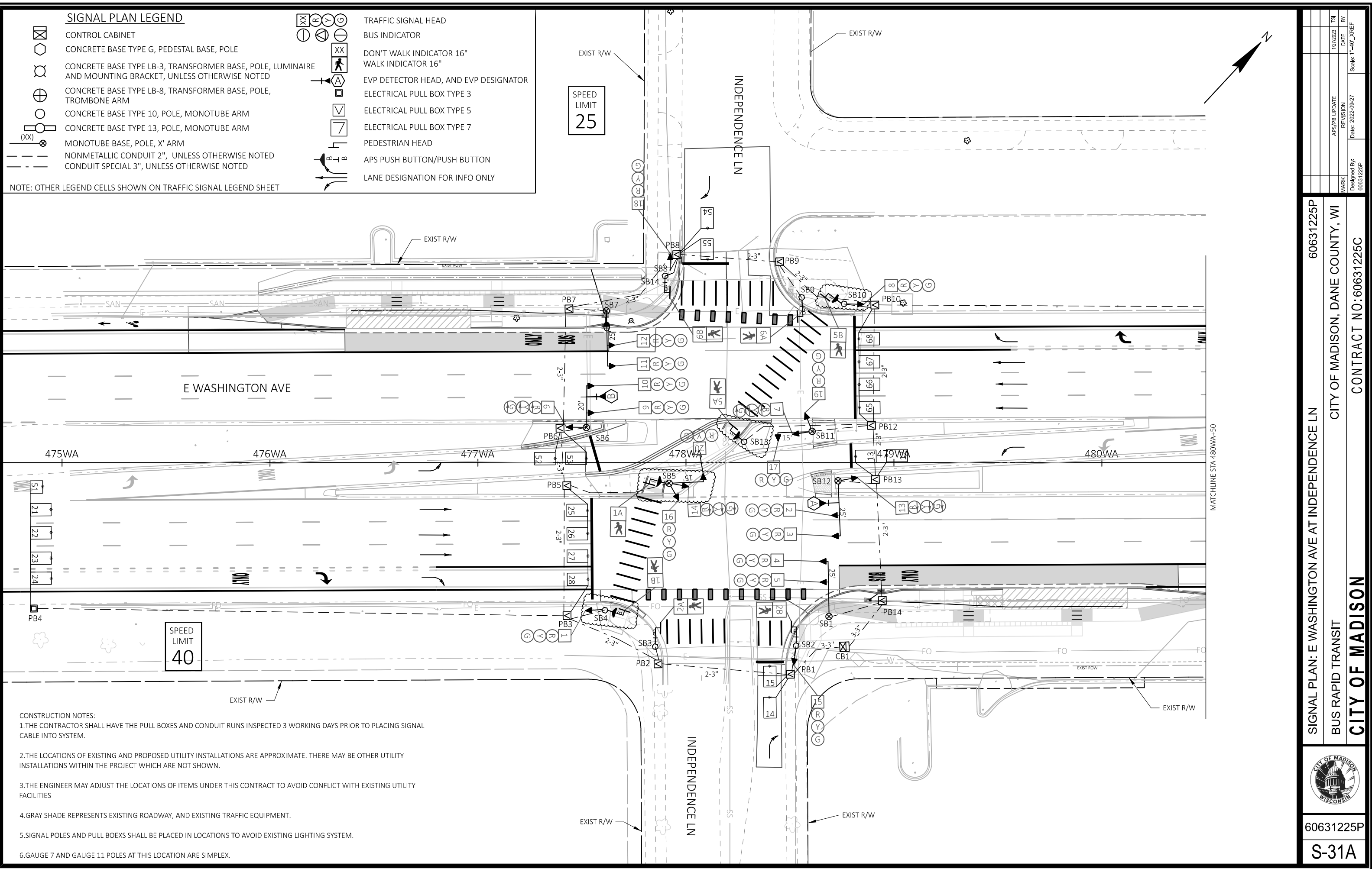
REVISION

Date: 3/2/2023

C:\OneDrive\City of Madison\BRT Quantities - Cost Quantities\Madison BRT\BRT Plan Sheets\pdx

LAST PLOT DATE: 3/2/2023

FILE NAME



MAINTENANCE OF TRAFFIC STAGING NOTES:

1.

TRAFFIC CONTROL FOR CONSTRUCTION IMPROVEMENTS NOT LISTED BELOW SHALL BE SET UP AND MAINTAINED AS DEPICTED IN THE MAINTENANCE OF TRAFFIC DETAIL PLANS, SHEETS TC-3 THRU TC-5, FOR INTERSECTION CORNER WORK ZONES AND CURBSIDE STATION WORK ZONES.
2.

UTILIZE THE FOLLOWING TAPER LENGTH CRITERIA PER WISDOT FDM 11-25 ATTACHMENT 2.3:
FOR LANE CLOSURE:
DESIRABLE: $L = W \times (S + 5)$
MINIMUM: $L = W \times S$
FOR LANE SHIFTING:
DESIRABLE: $L = (W \times (S + 5))^2 / 60$
MINIMUM: $L = (W \times S) / 60$
WHERE:
L = TAPER LENGTH IN FEET
S = POSTED SPEED LIMIT (MPH)
W = WIDTH OF OFFSET IN FEET
3.

AT INTERSECTIONS WHERE MULTIPLE IMPROVEMENTS ARE SCHEDULED IN OPPOSITE TRAFFIC DIRECTIONS, SUCH AS AT E. WASHINGTON AVE. AND INDEPENDENCE LN., THE CONTRACTOR SHALL STAGE HIS/HER OPERATIONS SUCH THAT WORK IS NOT CONCURRENT AND EXISTING TRAFFIC CONFIGURATIONS ARE MAINTAINED IN ONE DIRECTION.
4.

DETAILED TRAFFIC STAGING FOR CONSTRUCTION IMPROVEMENTS AT THE FOLLOWING LOCATIONS ARE SHOWN ON SHEETS TC-29 THRU TC-75.
* E. WASHINGTON AVE. @ MILWAUKEE ST. / NORTH ST.
* E. WASHINGTON AVE. @ N. FAIR OAKS AVE.
5.

EXISTING TRAFFIC PATTERNS SHALL BE DETOURED AT THE FOLLOWING LOCATIONS TO ALLOW FOR COMPLETE CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COORDINATE ALL DETOUR REQUESTS WITH THE TRAFFIC ENGINEER AT THE CITY OF MADISON AT LEAST 48 HOURS PRIOR TO IMPLEMENTING STAGING PATTERNS. PROPOSED DETOURS SHALL FOLLOW THE DETOUR PLAN AS PRESENTED IN SHEET TC-6.
* SB JUNCTION ROAD LEFT TURN LANE @ PROPOSED WESTERN TERMINAL/PARKING LOT ENTRANCE
* EB/WB MINERAL POINT ROAD LEFT TURN LANES AS INDICATED IN PLANS
* NB WHITNEY WAY TRAFFIC @ SHEBOYGAN AVE.
* E. LEG OF SHEBOYGAN AVE. & N. EAU CLAIRE AVE.
* SB SEGOE RD. TRAFFIC @ SHEBOYGAN AVE.
* EB UNIVERSITY AVE. LEFT TURN LANE @ ROSE PL.
* NB RANDALL AVE. RIGHT TURN LANE @ W. JOHNSON ST.
* WB STATE ST. TRAFFIC @ W. GORHAM ST.
* EB STATE ST. TRAFFIC @ W. JOHNSON ST.
* NB WISCONSIN AVE. TRAFFIC @ E. MIFFLIN ST.
* EB/WB E. WASHINGTON AVE. LEFT TURN LANES AS INDICATED IN PLANS
* NB MILWAUKEE ST. LEFT TURN LANE @ E. WASHINGTON AVE.
* NB FAIR OAKS AVE. LEFT TURN LANE @ E. WASHINGTON AVE.
* SB FAIR OAKS AVE. THRU LANE @ E. WASHINGTON AVE.
* EB/WB ANDERSON ST. TRAFFIC @ WRIGHT ST.
* WB AND EB E. WASHINGTON AVE. LEFT TURN LANES @ INDEPENDENCE LN.

EAST WASHINGTON AVENUE

1.

THE TRAFFIC CONTROL SEQUENCING AS SHOWN ON SHEETS TC-22 THRU TC-28 SHALL BE APPLIED TO CONSTRUCTION OPERATIONS FOR PROPOSED CENTER RUNNING STATION IMPROVEMENTS AT THE INTERSECTIONS OF EAST WASHINGTON AVENUE AND BLAIR STREET, PATERSON STREET, FIRST STREET, FOURTH STREET, MARQUETTE STREET AND MELVIN COURT.

- STAGE 1- TRAFFIC

1.

RESTRICT EXISTING ON-STREET PARKING IN LOCATIONS ADJACENT TO WORK ZONE AND WITHIN ASSOCIATED MERGE / SHIFTING PATTERNS.

2.

MAINTAIN BIKE LANE ALONG OUTSIDE EDGE OF PAVEMENT.

3.

MERGE INSIDE TRAVEL LANE TO MIDDLE LANE IN EB AND WB DIRECTIONS.

4.

SHIFT TRAVEL LANES OUTSIDE ADJACENT TO NEWLY ESTABLISHED BIKE LANE.

5.

RESTRICT LEFT TURN MOVEMENTS AT WORK ZONE LOCATIONS.

- STAGE 1- CONSTRUCTION

1.

REMOVE EXISTING MEDIAN, CURB AND GUTTER, MEDIAN LANDSCAPING, ADJACENT PAVEMENT, AND OTHER ITEMS AS IDENTIFIED IN THE REMOVAL PLANS.

2.

CONSTRUCT CENTER RUNNING STATION PLATFORM, DRAINAGE IMPROVEMENTS, SIGNAL IMPROVEMENTS AND ALL ASSOCIATED FEATURES. INSTALL SHELTER AT NEW CENTER PLATFORM.

3.

POUR CONCRETE PAVEMENT IN ADJACENT LANES PER PROPOSED ROADWAY TYPICAL SECTIONS.

- STAGE 2- TRAFFIC

1.

RESTRICT EXISTING ON-STREET PARKING IN LOCATIONS ADJACENT TO WORK ZONE AND WITHIN ASSOCIATED MERGE / SHIFTING PATTERNS.

2.

MERGE OUTSIDE TRAVEL LANES AND EXISTING BIKE LANE TO INSIDE TRAVEL LANE UPSTREAM OF WORK ZONE LOCATIONS.

3.

TRAFFIC SHALL BE PLACED ADJACENT TO NEWLY CONSTRUCTED CENTER RUNNING STATION PLATFORM THRU EXTENTS OF WORK ZONE.

4.

RELOCATE EXISTING BUS STOPS AS NECESSARY AT WORK ZONE LOCATIONS AFTER COORDINATION AND APPROVAL FROM BOTH THE CITY OF MADISON AND METRO TRANSIT.

- STAGE 2- CONSTRUCTION

1.

CONSTRUCT OUTSIDE LANES, CURB AND GUTTER, SIDEWALK AND ADA IMPROVEMENTS, AND ALL OTHER NECESSARY INTERSECTION CORNER FEATURES AS SHOWN ON THE PROPOSED SITE PLANS.

2.

POUR CONCRETE PAVEMENT IN ADJACENT LANES AS SHOWN ON THE PROPOSED SITE PLANS.

MINERAL POINT ROAD

1.

THE TRAFFIC CONTROL SEQUENCING AS SHOWN ON SHEETS TC-7 THRU TC-21 SHALL BE APPLIED TO CONSTRUCTION OPERATIONS FOR PROPOSED CENTER RUNNING STATION IMPROVEMENTS AT THE INTERSECTIONS OF MINERAL POINT ROAD AND HIGH POINT ROAD, GRAND CANYON DRIVE, ISLAND DRIVE, AND WHITNEY WAY.
2.

IMPROVEMENTS AT THE INTERSECTIONS OF MINERAL POINT ROAD AND RANDOLPH DRIVE, WESTFIELD ROAD, GAMMON ROAD, YELLOWSTONE DRIVE, AND ROSA ROAD SHALL BE PERFORMED IN A SIMILAR MANNER AS STAGES 1 AND 3 NOTED BELOW. SUGGESTED SEQUENCE OF OPERATIONS SHALL BEGIN WITH AN INSIDE LANE CLOSURE AND ASSOCIATED UPSTREAM MERGE TAPER PER WISCONSIN SDD 15020-A IN ORDER TO CONSTRUCT THE MEDIAN IMPROVEMENTS AND ANY ADJACENT PAVEMENT FOLLOWED BY AN OUTSIDE LANE CLOSURE AND TRAFFIC MERGE FOR EDGE OF PAVEMENT AND SIDEWALK IMPROVEMENTS.

- STAGE 1- TRAFFIC

1.

MAINTAIN EXISTING OUTSIDE LANE ALONG OUTSIDE EDGE OF PAVEMENT IN EB AND WB DIRECTIONS.

2.

MERGE INSIDE TRAVEL LANE TO EXISTING OUTSIDE LANE IN EB AND WB DIRECTIONS.

3.

RESTRICT LEFT TURN MOVEMENTS AT IMMEDIATE WORK ZONE LOCATIONS.

- STAGE 1- CONSTRUCTION

1.

REMOVE EXISTING MEDIAN, CURB AND GUTTER, MEDIAN LANDSCAPING, ADJACENT PAVEMENT, AND OTHER ITEMS AS IDENTIFIED IN THE REMOVAL PLANS.

2.

CONSTRUCT CENTER RUNNING STATION PLATFORM, DRAINAGE IMPROVEMENTS, SIGNAL IMPROVEMENTS AND ALL ASSOCIATED FEATURES.

3.

POUR CONCRETE PAVEMENT IN ADJACENT LANES PER PROPOSED ROADWAY TYPICAL SECTIONS.

- STAGE 2- TRAFFIC

1.

MERGE INSIDE TRAVEL LANE FROM STAGE 1 INTO OUTSIDE LANE ALONG OUTSIDE EDGE OF PAVEMENT IN EB AND WB DIRECTIONS.

2.

ROUTE BICYCLISTS AROUND WORK ZONE USING EITHER EXISTING SIDEWALK WITH APPLICABLE SIGNAGE OR DETOUR AS APPROVED BY THE CITY.

- STAGE 2- CONSTRUCTION

1.

CONSTRUCT INSIDE THRU LANE WITH MATERIAL AS SHOWN ON THE PROPOSED SITE PLANS. THIS WORK IS CONSIDERED SHORT TERM AND SHALL BE PERFORMED DURING WEEKEND OR OFF PEAK HOURS AS DIRECTED AND APPROVED BY THE CITY OF MADISON. RE-ESTABLISH TWO (2) LANES OF TRAFFIC AS SOON AS NEW PAVEMENT IS CURED AND DEEMED ACCEPTABLE BY THE CITY AND CONSTRUCTION MANAGEMENT TEAM.

2.

INSTALL SHELTER AT NEW CENTER PLATFORM.

- STAGE 3- TRAFFIC

1.

MERGE OUTSIDE TRAVEL LANES TO INSIDE TRAVEL LANE UPSTREAM OF WORK ZONE LOCATIONS.

2.

TRAFFIC SHALL BE PLACED ADJACENT TO NEWLY CONSTRUCTED CENTER RUNNING STATION PLATFORM THRU EXTENTS OF WORK ZONE.

3.

ROUTE BICYCLISTS AROUND WORK ZONE IN ADVANCE OF TRAFFIC MERGE USING EITHER EXISTING SIDEWALK WITH APPLICABLE SIGNAGE OR DETOUR AS APPROVED BY THE CITY.

4.

RELOCATE EXISTING BUS STOPS AS NECESSARY AT WORK ZONE LOCATIONS AFTER COORDINATION AND APPROVAL FROM BOTH THE CITY OF MADISON AND METRO TRANSIT.

- STAGE 3- CONSTRUCTION

1.

CONSTRUCT OUTSIDE LANES, CURB AND GUTTER, SIDEWALK AND ADA IMPROVEMENTS, AND ALL OTHER NECESSARY INTERSECTION CORNER FEATURES AS SHOWN ON THE PROPOSED SITE PLANS.

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MAINTENANCE OF TRAFFIC DETAIL PLAN: STAGING NOTES

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

TC-2

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO:60631225C

PLAN REVISION 1

REVISION

DATE: 3/13/2023

BY: TSI

Scale: 1 IN=40 FT

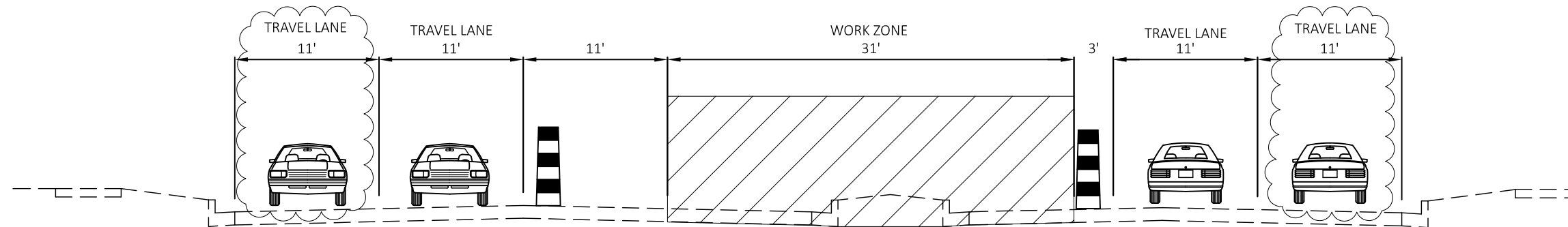
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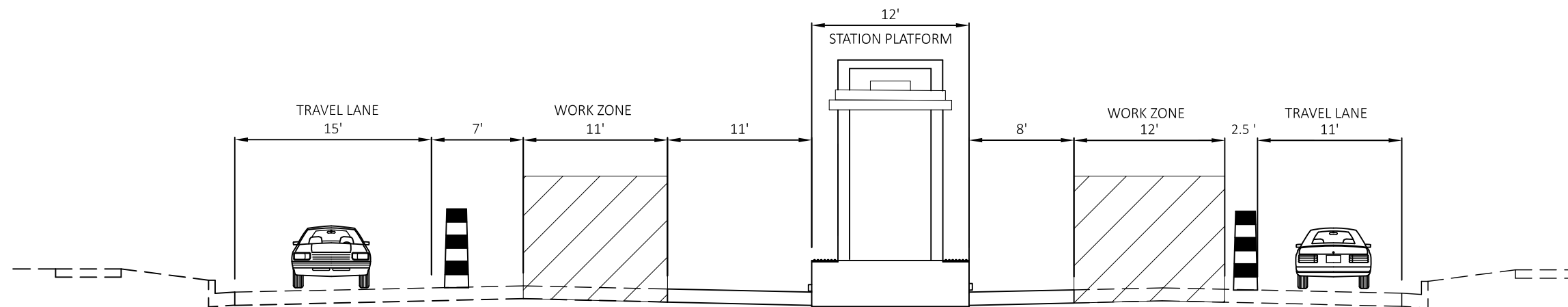
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REVISED 03/13/2023 TSI

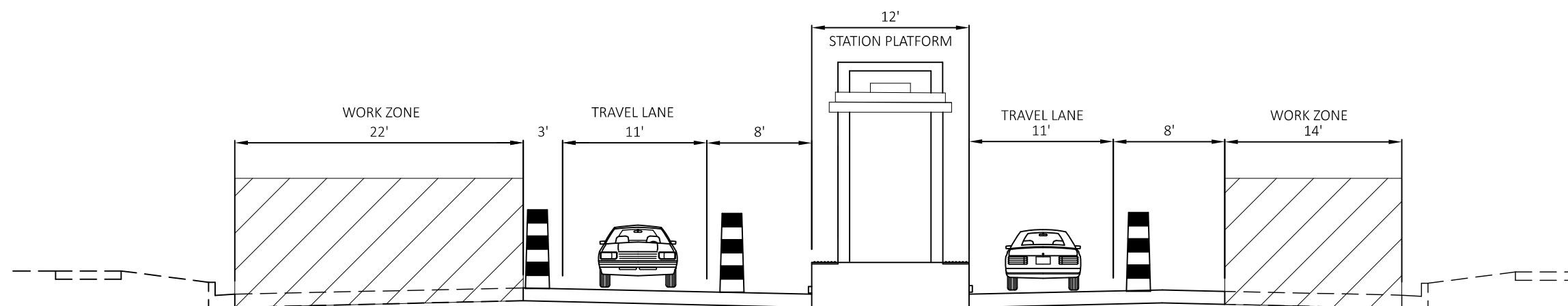
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LAYOUT NAME : LAST PLOT DATE - 3/14/2023



STAGE 1 TYPICAL SECTION
MINERAL POINT ROAD
LOOKING EAST



STAGE 2 TYPICAL SECTION
MINERAL POINT ROAD
LOOKING EAST



STAGE 3 TYPICAL SECTION
MINERAL POINT ROAD
LOOKING EAST

- NOTES:**
- 1.) DISTANCES SHOWN FROM EDGE OF TRAVELED WAY TO WORK ZONE AND WORK ZONE WIDTHS ARE APPROXIMATE AND VARY THROUGH THE EXTENT OF IMPROVEMENTS ALONG MINERAL POINT ROAD.
 - 2.) IF DROP-OFFS GREATER THAN 4 INCHES ARE ANTICIPATED TO EXIST FOR MORE THAN 48 HOURS AND ARE WITHIN 8 FEET OF THE EDGE OF TRAVELED WAY, CONTRACTOR TO USE TEMPORARY CONCRETE BARRIER OR ELIMINATE THE DROP-OFF USING A 3H:1V SLOPE OF COMPACTED AGGREGATE MATERIAL.



REVISED 03/13/2023 TSI

MARK	DESIGNED BY: TSI	DATE: 2022-07-17	SCALE:
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3/13/2023	3/13/2023	3/13/2023	3/13/2023
DATE	DATE	DATE	DATE
BY	BY	BY	BY
TSI	TSI	TSI	TSI

60631225P	60631225P
MINERAL POINT ROAD TYPICAL SECTIONS	MINERAL POINT ROAD TYPICAL SECTIONS
BUS RAPID TRANSIT	BUS RAPID TRANSIT
CITY OF MADISON	CITY OF MADISON
CITY OF MADISON, DANE COUNTY, WI	CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C	CONTRACT NO: 60631225C



60631225P
TC-7

WORK AREA

COMPLETED WORK (PREVIOUS STAGE)

DRUMS WITH/WITHOUT WARNING LIGHT, TYPE C

FLASHING ARROW BOARD

POST MOUNTED SIGN

SIGN ON PORTABLE SUPPORT (5' MINIMUM, MOUNTING HEIGHT)

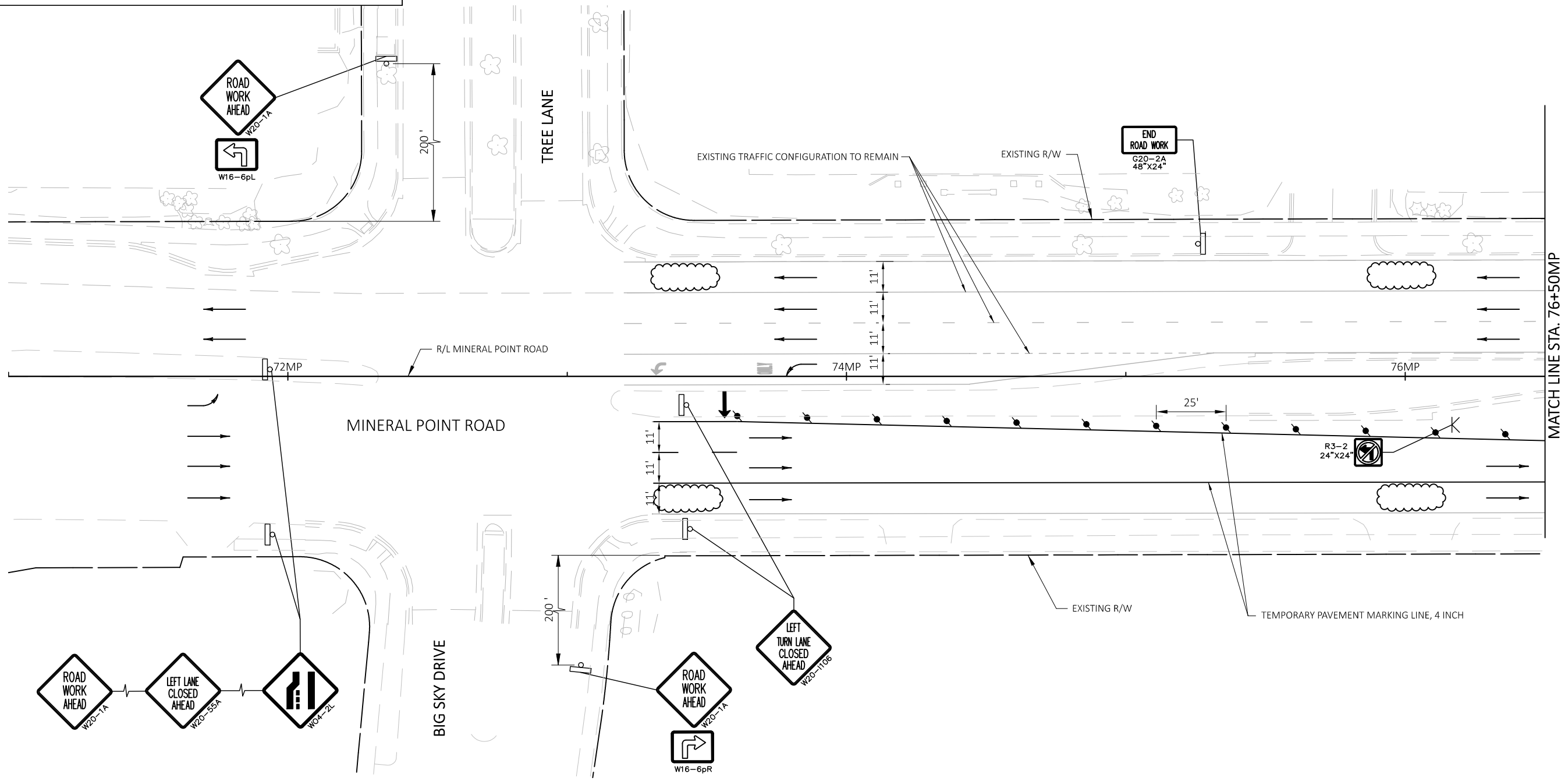
BARRICADE TYPE III (8' EQUIVALENT) AND WARNING LIGHT, TYPE A (FLASHING) WITH/WITHOUT SIGN

BARRICADE TYPE II WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)

DIRECTION OF TRAFFIC

TRAFFIC CONTROL LEGEND

CENTER RUNNING STATION WORK ZONE
STANDARD DETAIL - MINERAL POINT ROAD



- NOTES:
- SIGN PLACEMENT AND LANE TAPERS ARE SHOWN FOR REFERENCE ONLY. THE EXACT NUMBER, LOCATION AND SPACING OF SIGNAGE AND TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT CURRENT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. REFER TO SHEET TC-2 FOR DESIRABLE TAPER LENGTHS AND SIGNAGE SPACING.

REVISED 03/13/2023 TSI

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MAINTENANCE OF TRAFFIC - MINERAL POINT ROAD STAGE 1

CITY OF MADISON

BUS RAPID TRANSIT

CITY OF MADISON

CITY OF MADISON

60631225P

TC-8

PLAN REVISION 1

REVISION

DATE: 2022-05-16

DESIGNED BY: TSI

60631225P

3/13/2023

DATE

BY

Scale: 1 IN=40 FT

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LAYOUT NAME :

WORK AREA

COMPLETED WORK (PREVIOUS STAGE)

DRUMS WITH/WITHOUT WARNING LIGHT, TYPE C

FLASHING ARROW BOARD

POST MOUNTED SIGN

SIGN ON PORTABLE SUPPORT (5' MINIMUM, MOUNTING HEIGHT)

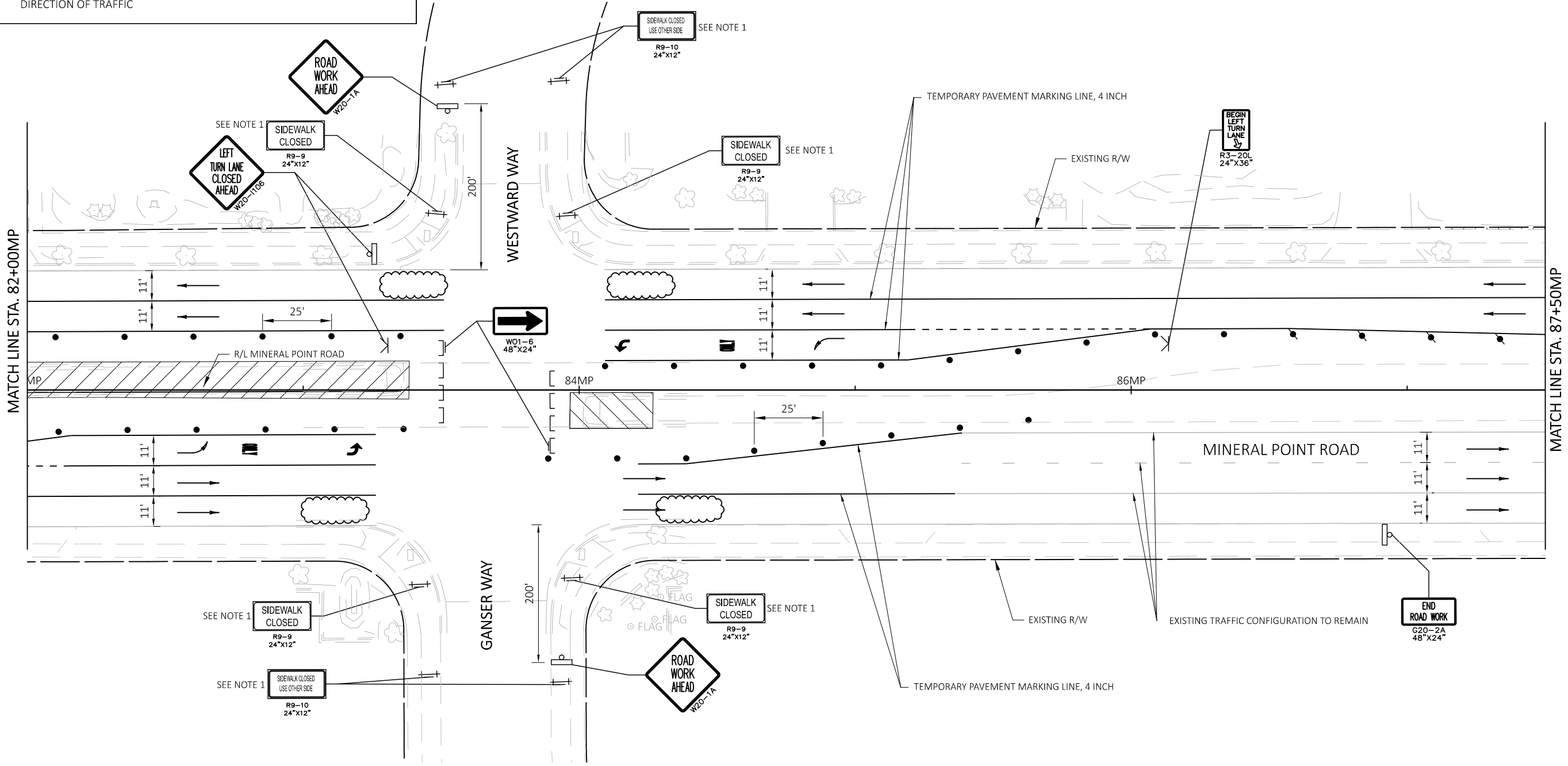
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BARRICADE TYPE II WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)

DIRECTION OF TRAFFIC

TRAFFIC CONTROL LEGEND

CENTER RUNNING STATION WORK ZONE
STANDARD DETAIL - MINERAL POINT ROAD



- NOTES:
- CONTRACTOR TO STAGE WORK SUCH TO ENSURE THAT EB AND WB PEDESTRIAN CROSSWALKS ARE NEVER CLOSED AT THE SAME TIME.

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60631225P

TC-10

MAINTENANCE OF TRAFFIC - MINERAL POINT ROAD STAGE 1

BUS RAPID TRANSIT

CITY OF MADISON

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

PLAN REVISION 1

DATE: 3/13/2023

BY: TSI

REVISION

DATE: 2022-05-16

Designd By: TSI

MARK

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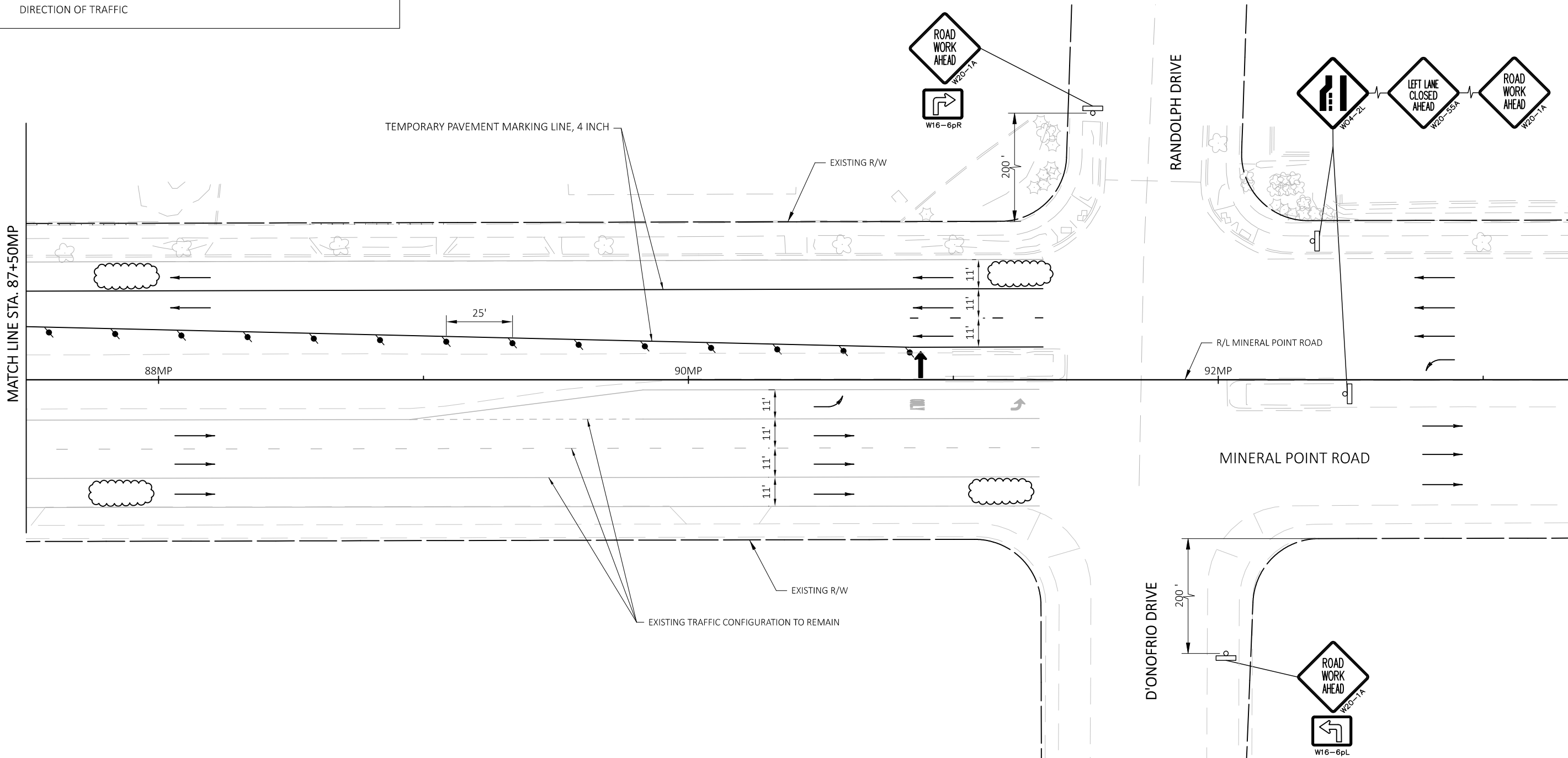
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LAST PLOT DATE : 3/14/2023

LAYOUT NAME :

	WORK AREA
	COMPLETED WORK (PREVIOUS STAGE)
	DRUMS WITH/WITHOUT WARNING LIGHT, TYPE C
	FLASHING ARROW BOARD
	POST MOUNTED SIGN
	SIGN ON PORTABLE SUPPORT (5' MINIMUM, MOUNTING HEIGHT)
	BARRICADE TYPE III (8' EQUIVALENT) AND WARNING LIGHT, TYPE A (FLASHING) WITH/WITHOUT SIGN
	BARRICADE TYPE II WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
	DIRECTION OF TRAFFIC

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MAINTENANCE OF TRAFFIC - MINERAL POINT ROAD STAGE 1	60631225P
BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI
CITY OF MADISON	CONTRACT NO:60631225C



60631225P

TC-11

FILE NAME : pw://aecom-na-pw.bentley.com/AECOM_DS20_NA_2019/Documents/60631225-Madison BRT Ph2 Pre-Design/900-CAD GIS/West/Sheets/024226-MOT-MP-HP_Sig1.dwg
LAYOUT NAME - LAST PLOT DATE - 3/14/2023

	WORK AREA
	COMPLETED WORK (PREVIOUS STAGE)
	DRUMS WITH/WITHOUT WARNING LIGHT, TYPE C
	FLASHING ARROW BOARD
	POST MOUNTED SIGN
	SIGN ON PORTABLE SUPPORT (5' MINIMUM, MOUNTING HEIGHT)
	BARRICADE TYPE III (8' EQUIVALENT) AND WARNING LIGHT, TYPE A (FLASHING) WITH/WITHOUT SIGN
	BARRICADE TYPE II WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
	DIRECTION OF TRAFFIC



 REVISED 03/13/2023 TSI

[illegible]

MAINTENANCE OF TRAFFIC - MINERAL POINT ROAD STAGE 2	60631225P
BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI
CITY OF MADISON	CONTRACT NO:60631225C



60631225P
TC-13

	WORK AREA
	COMPLETED WORK (PREVIOUS STAGE)
	DRUMS WITH/WITHOUT WARNING LIGHT, TYPE C
	FLASHING ARROW BOARD
	POST MOUNTED SIGN
	SIGN ON PORTABLE SUPPORT (5' MINIMUM, MOUNTING HEIGHT)
	BARRICADE TYPE III (8' EQUIVALENT) AND WARNING LIGHT, TYPE A (FLASHING) WITH/WITHOUT SIGN
	BARRICADE TYPE II WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
	DIRECTION OF TRAFFIC

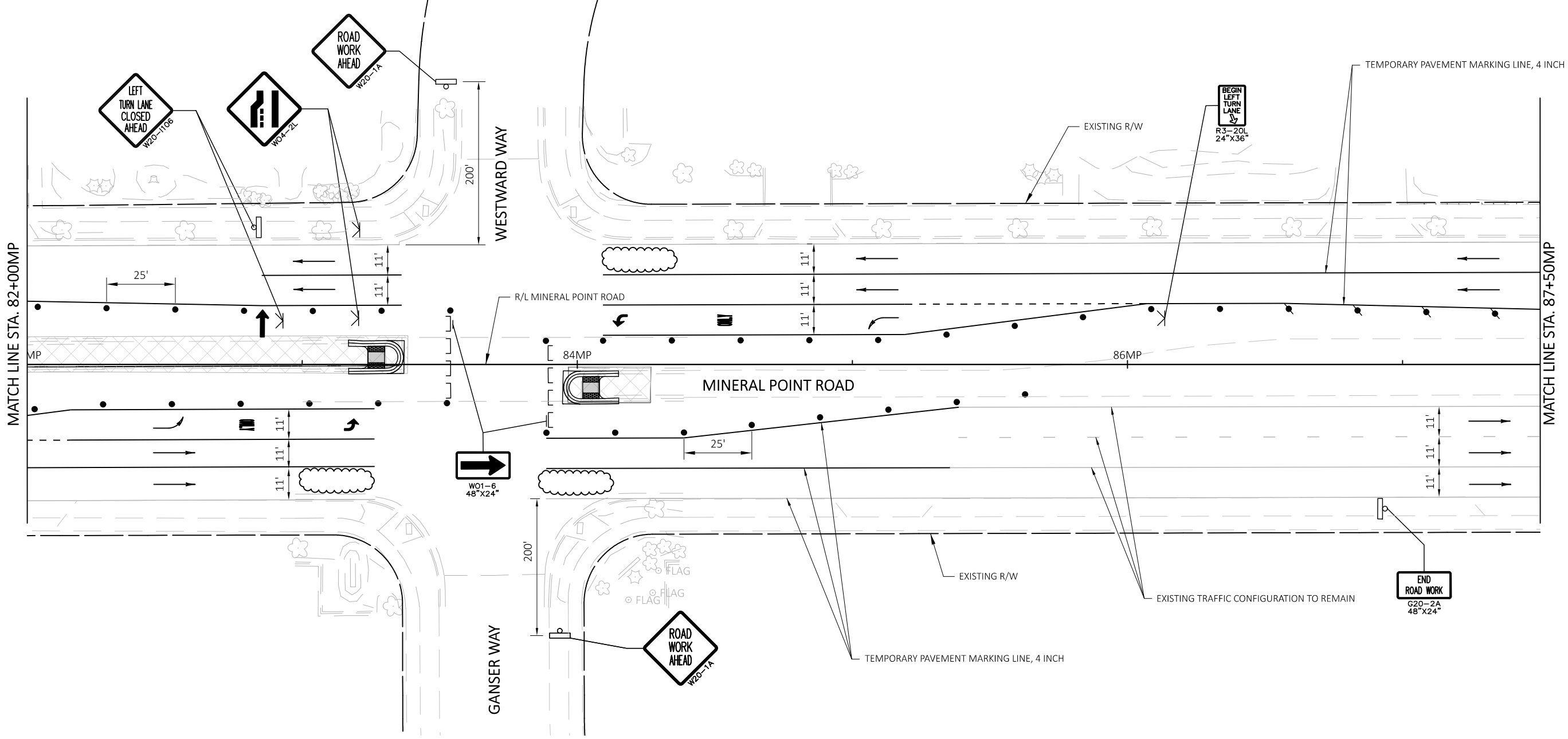
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LAYOUT NAME - LAST PLOT DATE - 3/14/2023

TRAFFIC CONTROL LEGEND

- WORK AREA
- COMPLETED WORK (PREVIOUS STAGE)
- DRUMS WITH/WITHOUT WARNING LIGHT, TYPE C
- FLASHING ARROW BOARD
- POST MOUNTED SIGN
- SIGN ON PORTABLE SUPPORT (5' MINIMUM, MOUNTING HEIGHT)
- BARRICADE TYPE III (8' EQUIVALENT) AND WARNING LIGHT, TYPE A (FLASHING) WITH/WITHOUT SIGN
- BARRICADE TYPE II WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC

CENTER RUNNING STATION WORK ZONE
STANDARD DETAIL - MINERAL POINT ROAD



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PLAN REVISION 1	DATE: 3/13/2023	BY: TSI	

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MAINTENANCE OF TRAFFIC - MINERAL POINT ROAD STAGE 2

CITY OF MADISON, DANE COUNTY, WI

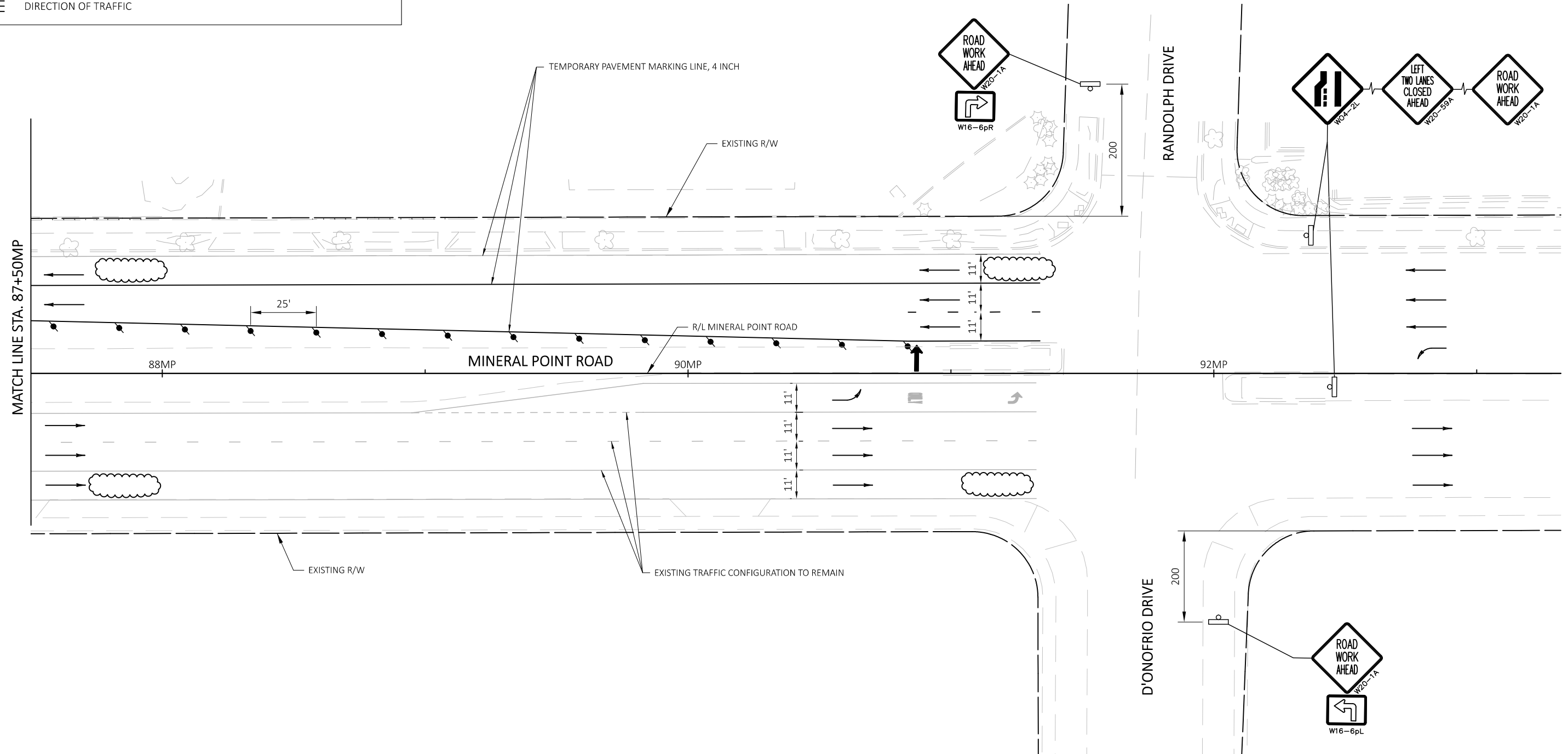
BUS RAPID TRANSIT

CONTRACT NO: 60631225C

60631225P

TC-15

	WORK AREA
	COMPLETED WORK (PREVIOUS STAGE)
	DRUMS WITH/WITHOUT WARNING LIGHT, TYPE C
	FLASHING ARROW BOARD
	POST MOUNTED SIGN
	SIGN ON PORTABLE SUPPORT (5' MINIMUM, MOUNTING HEIGHT)
	BARRICADE TYPE III (8' EQUIVALENT) AND WARNING LIGHT, TYPE A (FLASHING) WITH/WITHOUT SIGN
	BARRICADE TYPE II WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
	DIRECTION OF TRAFFIC



MAINTENANCE OF TRAFFIC - MINERAL POINT ROAD STAGE 2	60631225P
BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI
CITY OF MADISON	CONTRACT NO: 60631225C



60631225P

TC-16

	WORK AREA
	COMPLETED WORK (PREVIOUS STAGE)
	DRUMS WITH/WITHOUT WARNING LIGHT, TYPE C
	FLASHING ARROW BOARD
	POST MOUNTED SIGN
	SIGN ON PORTABLE SUPPORT (5' MINIMUM, MOUNTING HEIGHT)
	BARRICADE TYPE III (8' EQUIVALENT) AND WARNING LIGHT, TYPE A (FLASHING) WITH/WITHOUT SIGN
	BARRICADE TYPE II WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
	DIRECTION OF TRAFFIC



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MAINTENANCE OF TRAFFIC - MINERAL POINT ROAD STAGE 3	60631225P
BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI
CITY OF MADISON	CONTRACT NO:60631225C



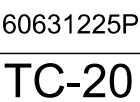
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TC-18

	WORK AREA
	COMPLETED WORK (PREVIOUS STAGE)
	DRUMS WITH/WITHOUT WARNING LIGHT, TYPE C
	FLASHING ARROW BOARD
	POST MOUNTED SIGN
	SIGN ON PORTABLE SUPPORT (5' MINIMUM, MOUNTING HEIGHT)
	BARRICADE TYPE III (8' EQUIVALENT) AND WARNING LIGHT, TYPE A (FLASHING) WITH/WITHOUT SIGN
	BARRICADE TYPE II WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
	DIRECTION OF TRAFFIC



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MAINTENANCE OF TRAFFIC - MINERAL POINT ROAD STAGE 3	60631225P
BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI
CITY OF MADISON	CONTRACT NO:60631225C



WORK AREA

COMPLETED WORK (PREVIOUS STAGE)

DRUMS WITH/WITHOUT WARNING LIGHT, TYPE C

FLASHING ARROW BOARD

POST MOUNTED SIGN

SIGN ON PORTABLE SUPPORT (5' MINIMUM, MOUNTING HEIGHT)

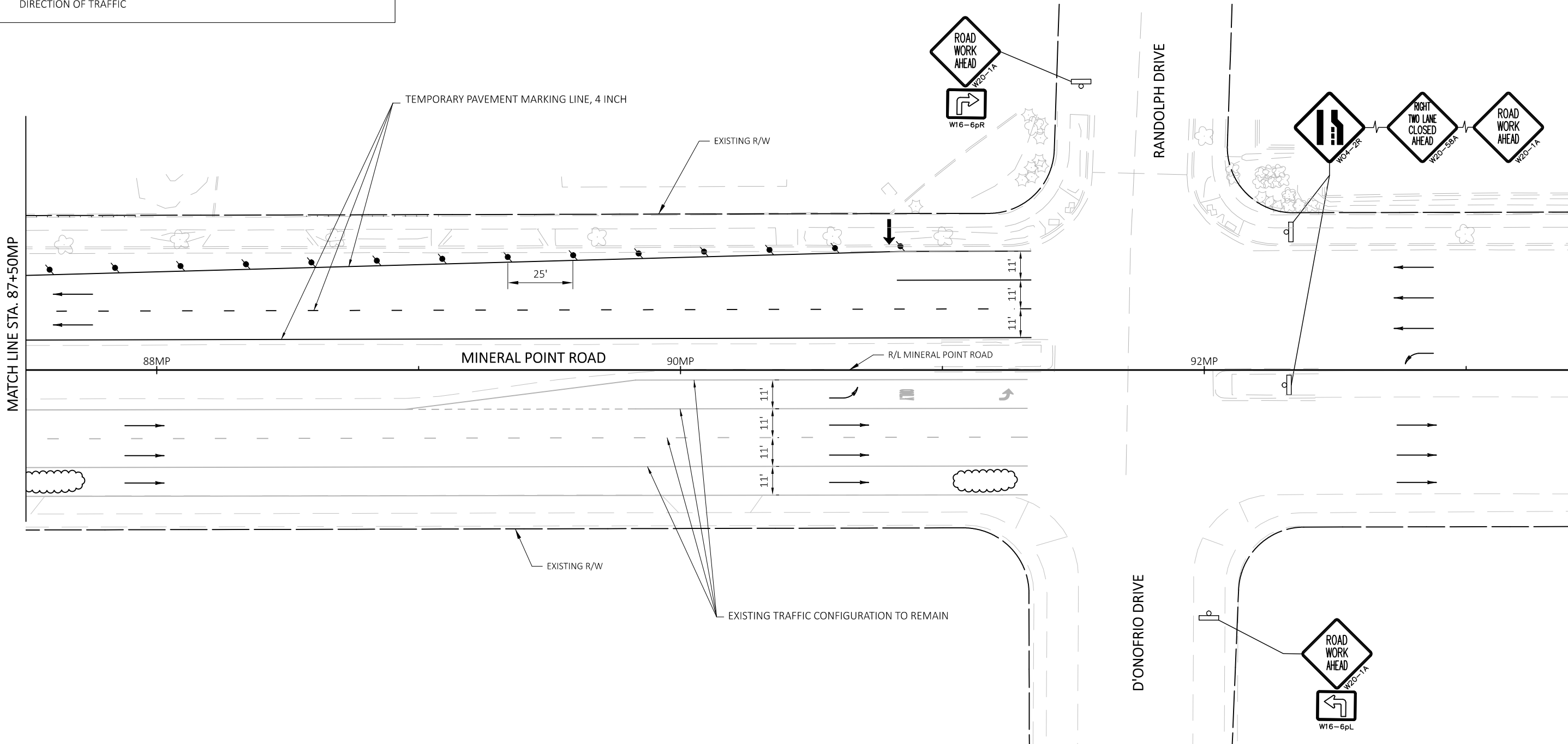
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BARRICADE TYPE II WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)

DIRECTION OF TRAFFIC

TRAFFIC CONTROL LEGEND

CENTER RUNNING STATION WORK ZONE
STANDARD DETAIL - MINERAL POINT ROAD



REVISED 03/13/2023 TSI

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MAINTENANCE OF TRAFFIC - MINERAL POINT ROAD STAGE 3

BUS RAPID TRANSIT

CITY OF MADISON

CITY OF MADISON
WISCONSIN

60631225P

TC-21

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

PLAN REVISION 1

REVISION

DATE: 2022-06-16

Scale: #####

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Designed By: TSI

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3/13/2023

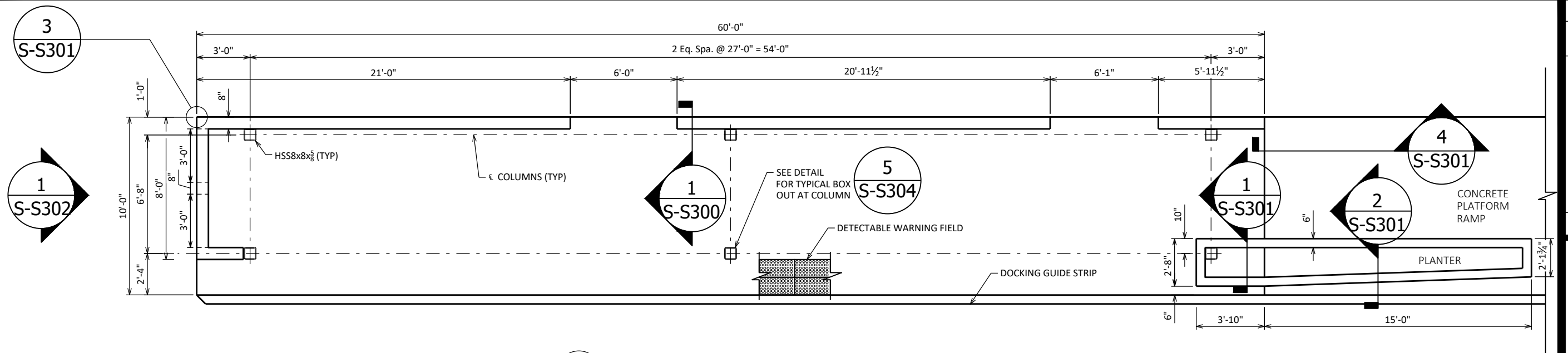
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BY

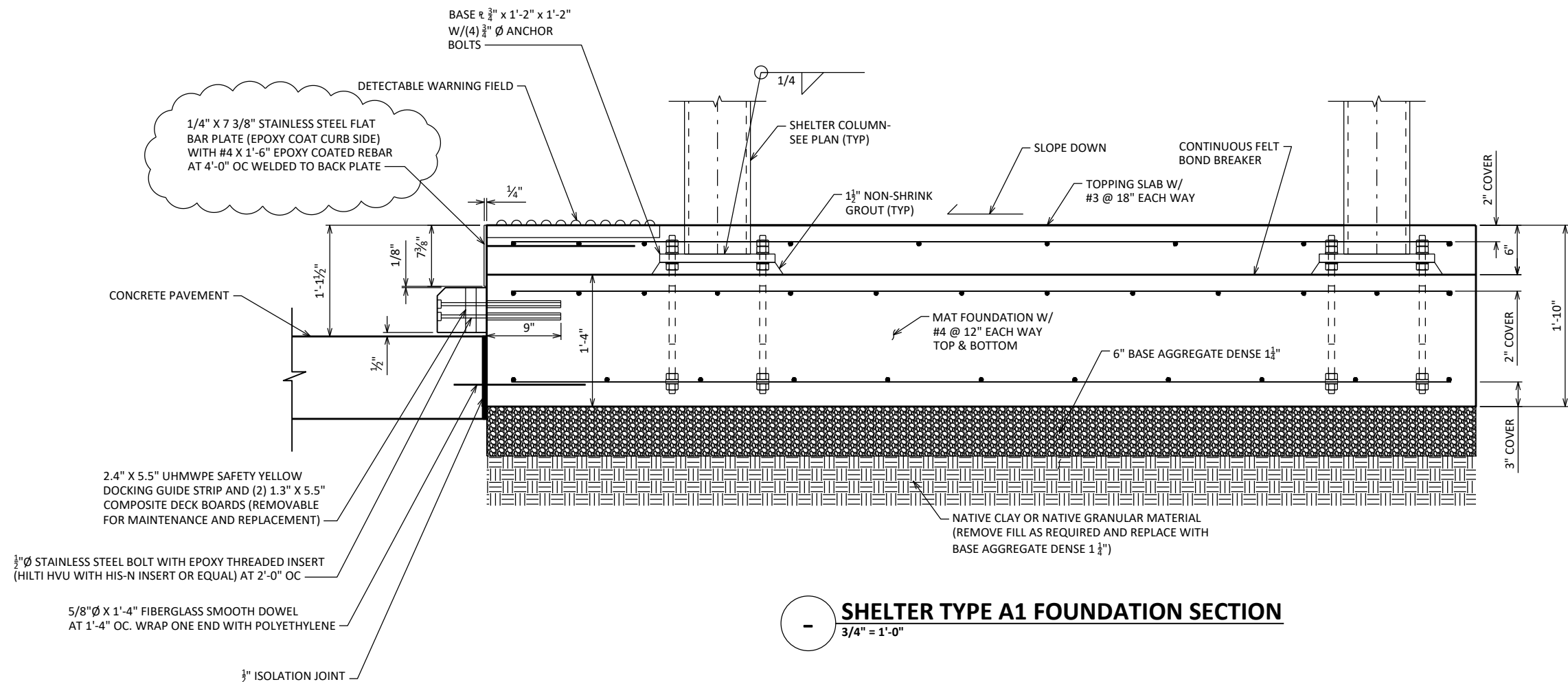
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LAYOUT NAME : LAST PLOT DATE - 3/14/2023

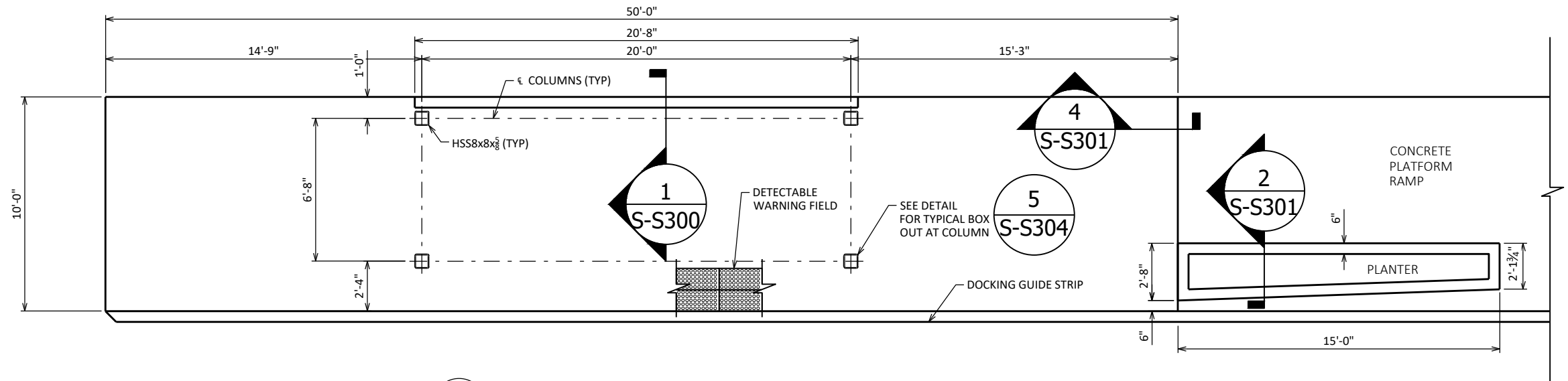


SHELTER TYPE A1 FOUNDATION PLAN
1" = 6'-0"

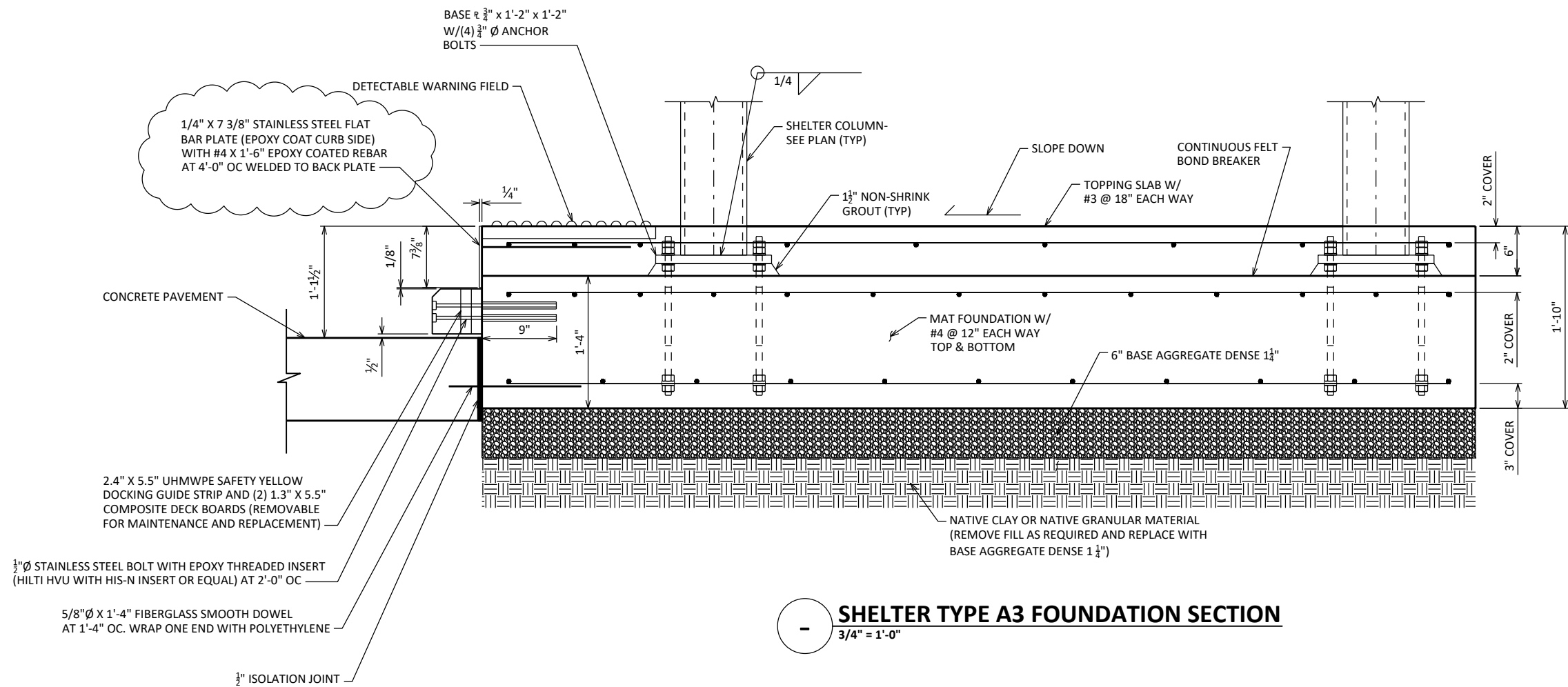


SHELTER TYPE A1 FOUNDATION SECTION
3/4" = 1'-0"

60631225P	CITY OF MADISON, DANE COUNTY, WI	BUS RAPID TRANSIT	CITY OF MADISON	60631225P	S-S100
1	REVISED S.S. FLAT BAR PLATE	3/13/23	DAA	DATE	BY
MARK	REVISION				
60631225P	CONTRACT NO: 60631225C				



SHelter Type A3 Foundation Plan
1" = 6'-0"



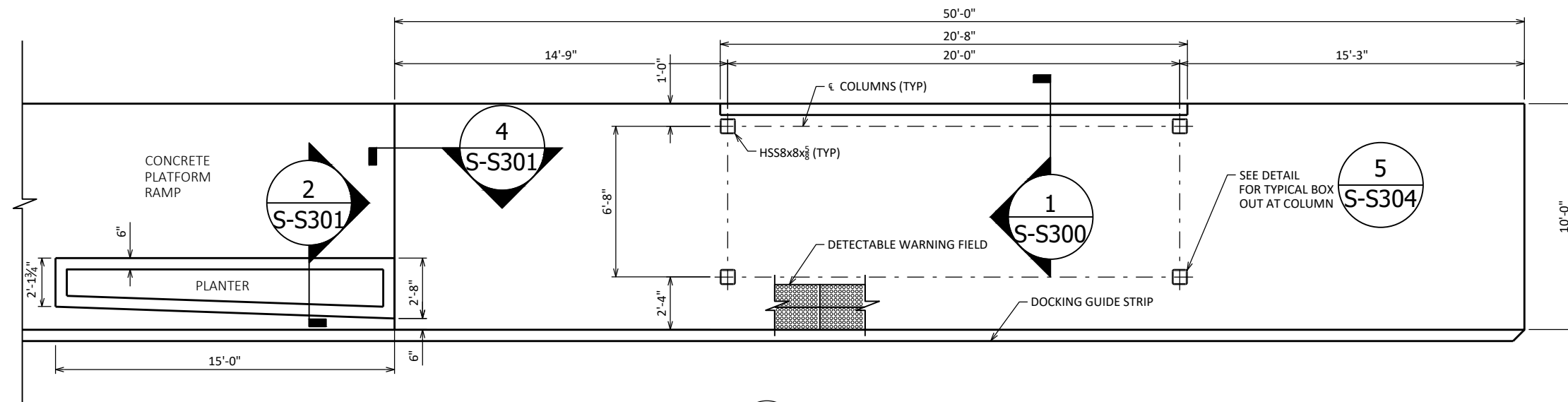
SHelter Type A3 Foundation Section
3/4" = 1'-0"

MARK	REVISION	DATE	BY
1	REVISED S.S. FLAT BAR PLATE	3/13/23	DAA

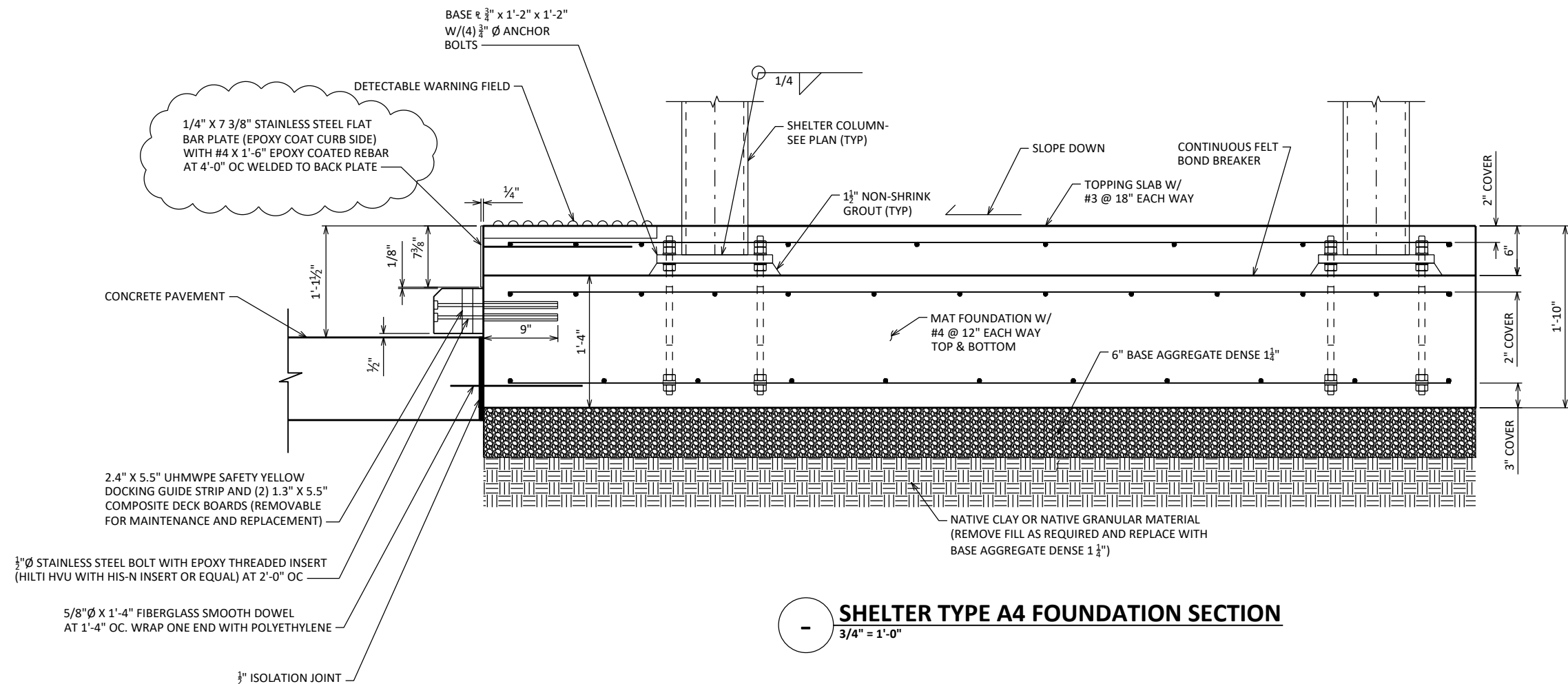
60631225P
CITY OF MADISON, DANE COUNTY, WI
BUS RAPID TRANSIT
CITY OF MADISON
CONTRACT NO: 60631225C



60631225P
S-S102



SHELTER TYPE A4 FOUNDATION PLAN
1" = 6'-0"

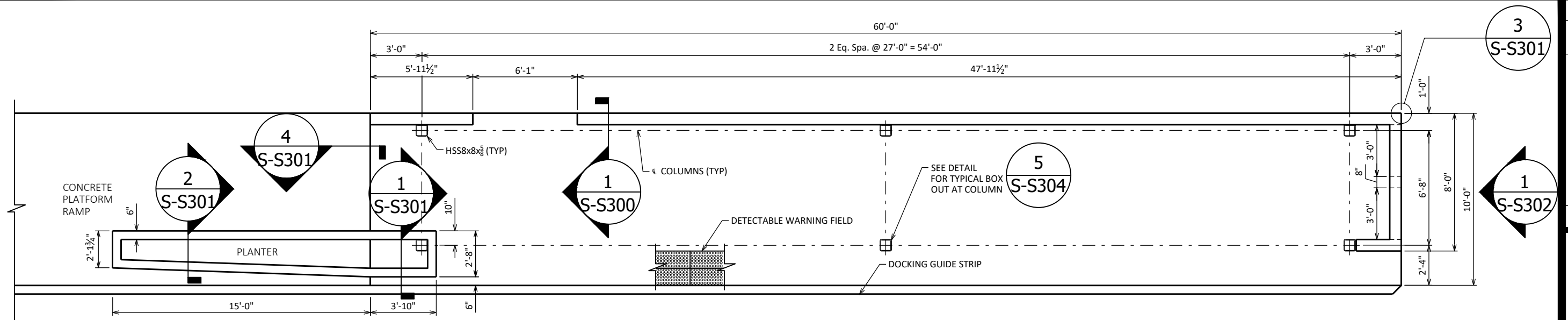


SHELTER TYPE A4 FOUNDATION SECTION
3/4" = 1'-0"

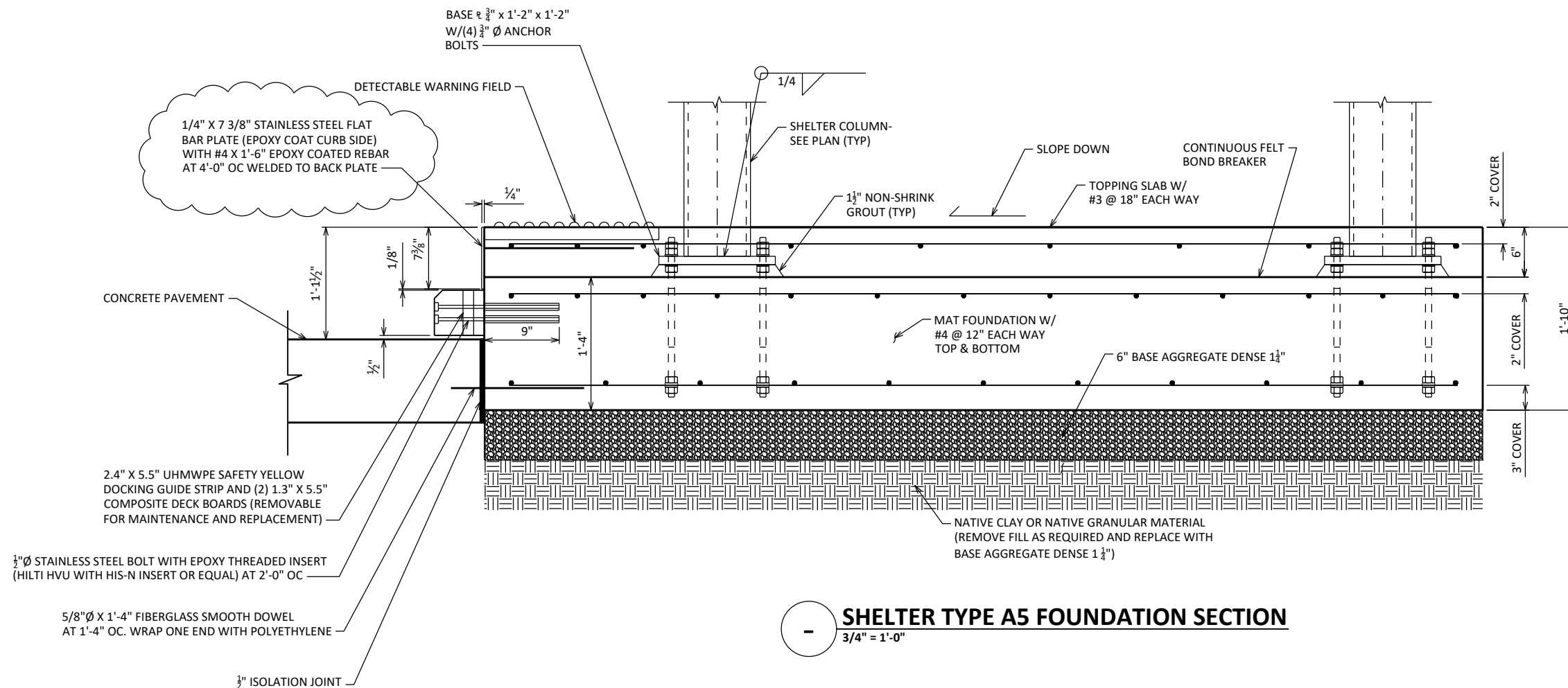
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CONTRACT NO: 60631225C						
REVISION	DATE	BY				
1	3/13/23	DAA				

REVISED 3/13/23 DAA

S-S103



SHELTER TYPE A5 FOUNDATION PLAN
1" = 6'-0"



SHELTER TYPE A5 FOUNDATION SECTION
3/4" = 1'-0"

MARK	REVISION	DATE	BY
1	REVISED S.S. FLAT BAR PLATE	3/13/23	DAA

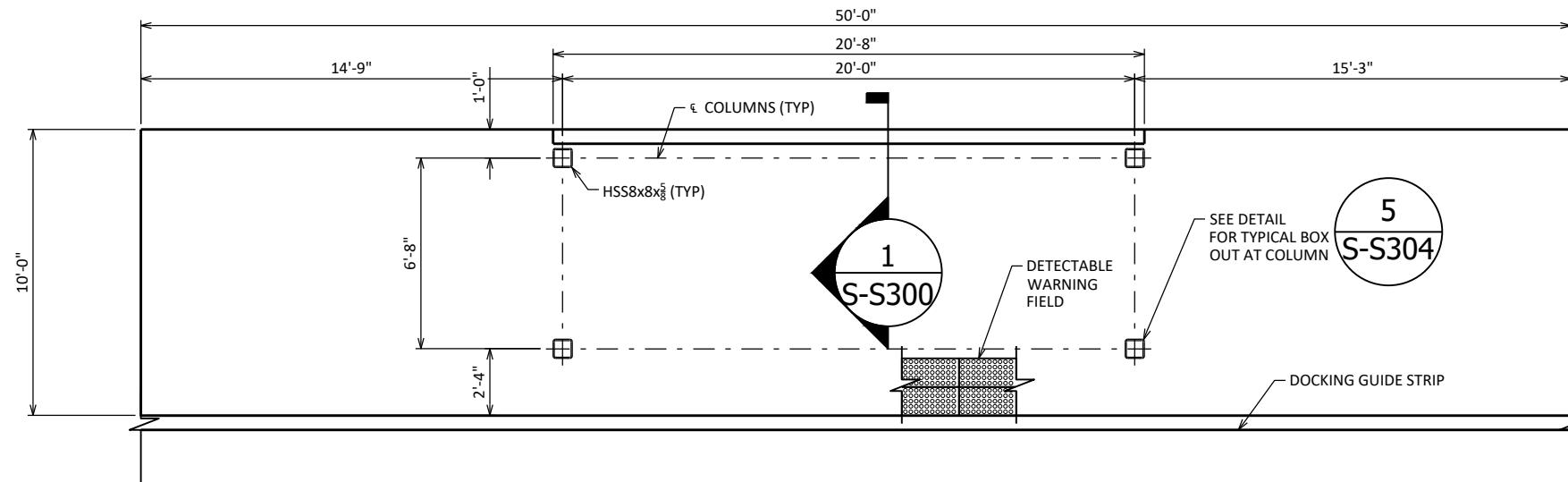
60631225P	CITY OF MADISON, DANE COUNTY, WI	CONTRACT NO: 60631225C
BUS RAPID TRANSIT	CITY OF MADISON	



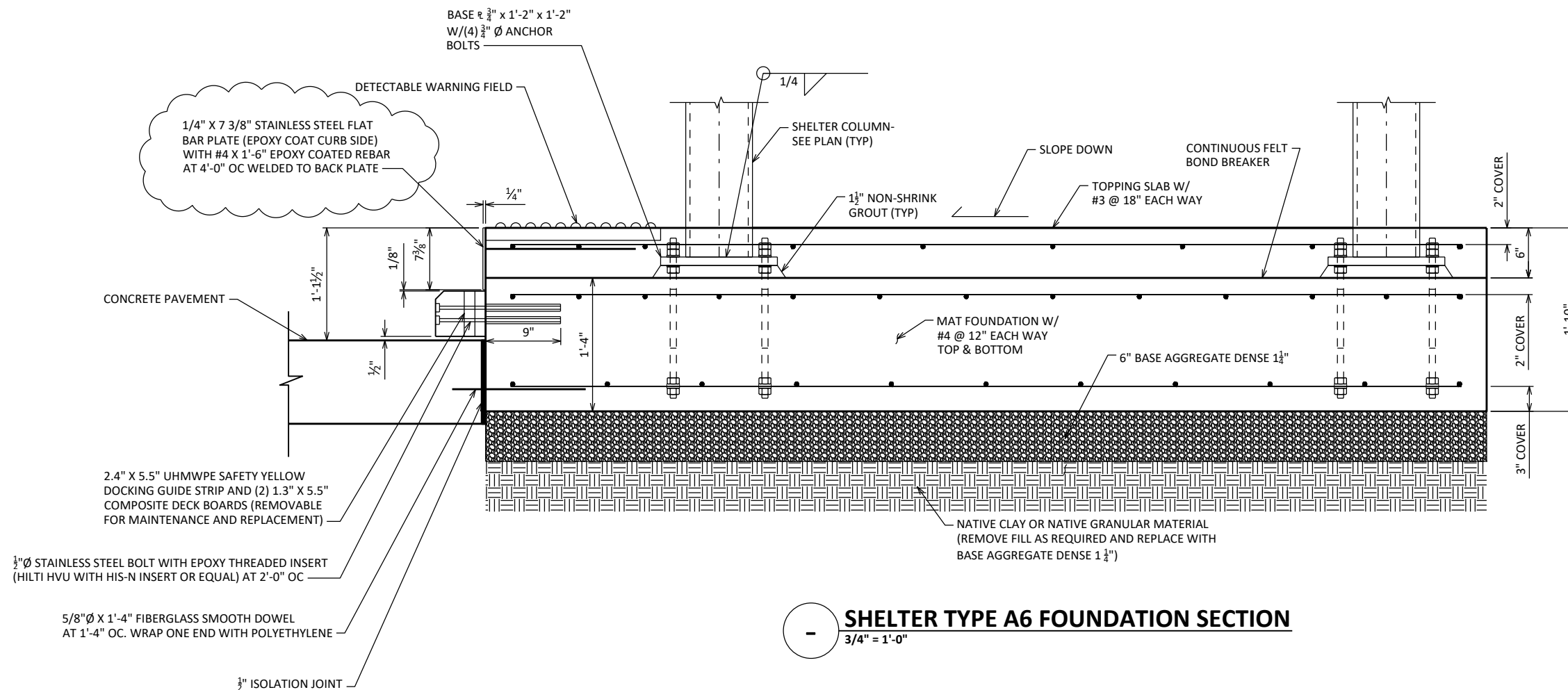
60631225P

S-S104

REVISED 3/13/23 DAA



SHELTER TYPE A6 FOUNDATION PLAN
1" = 6'-0"



SHELTER TYPE A6 FOUNDATION SECTION
3/4" = 1'-0"

MARK	REVISION	DATE	BY
1	REVISED S.S. FLAT BAR PLATE	3/13/23	DAA

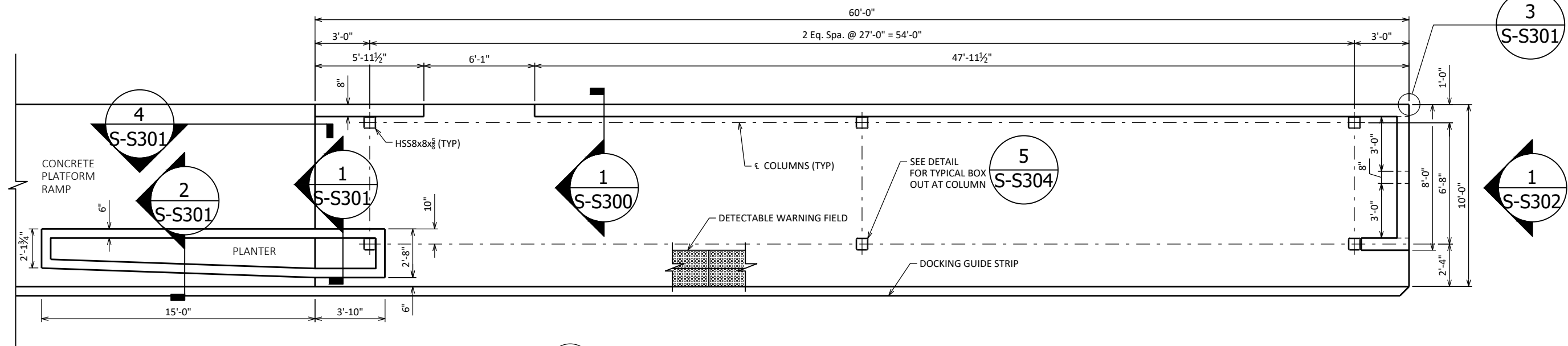
60631225P
CITY OF MADISON, DANE COUNTY, WI
BUS RAPID TRANSIT
CITY OF MADISON
CONTRACT NO: 60631225C



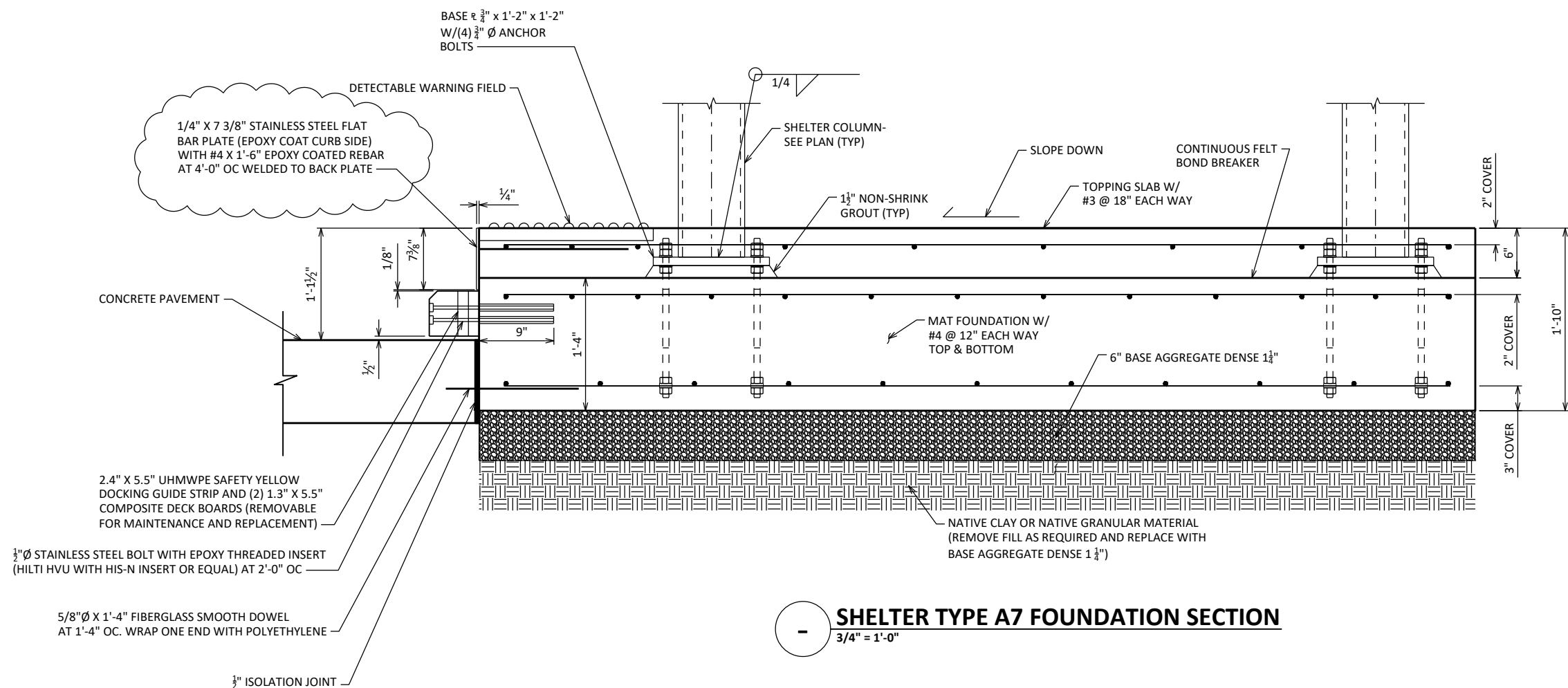
60631225P

S-S105

REVISED 3/13/23 DAA



SHelter Type A7 Foundation Plan
1" = 6'-0"



SHelter Type A7 Foundation Section
¾" = 1'-0"

DATE	BY	REVISION
3/13/23	DAA	1
1	REVISED S.S. FLAT BAR PLATE	
MARK		
60631225P		

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

BUS RAPID TRANSIT

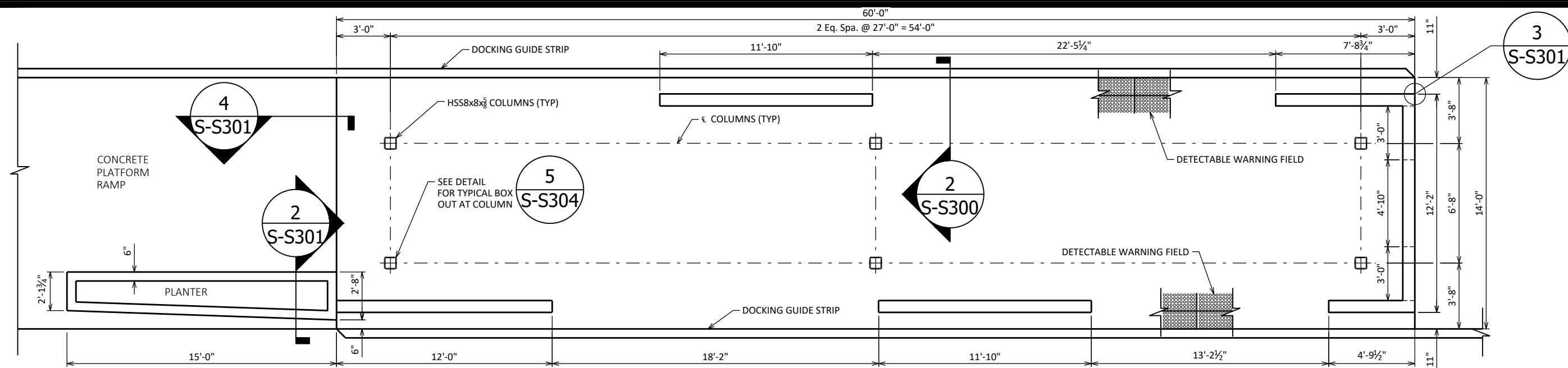
CITY OF MADISON



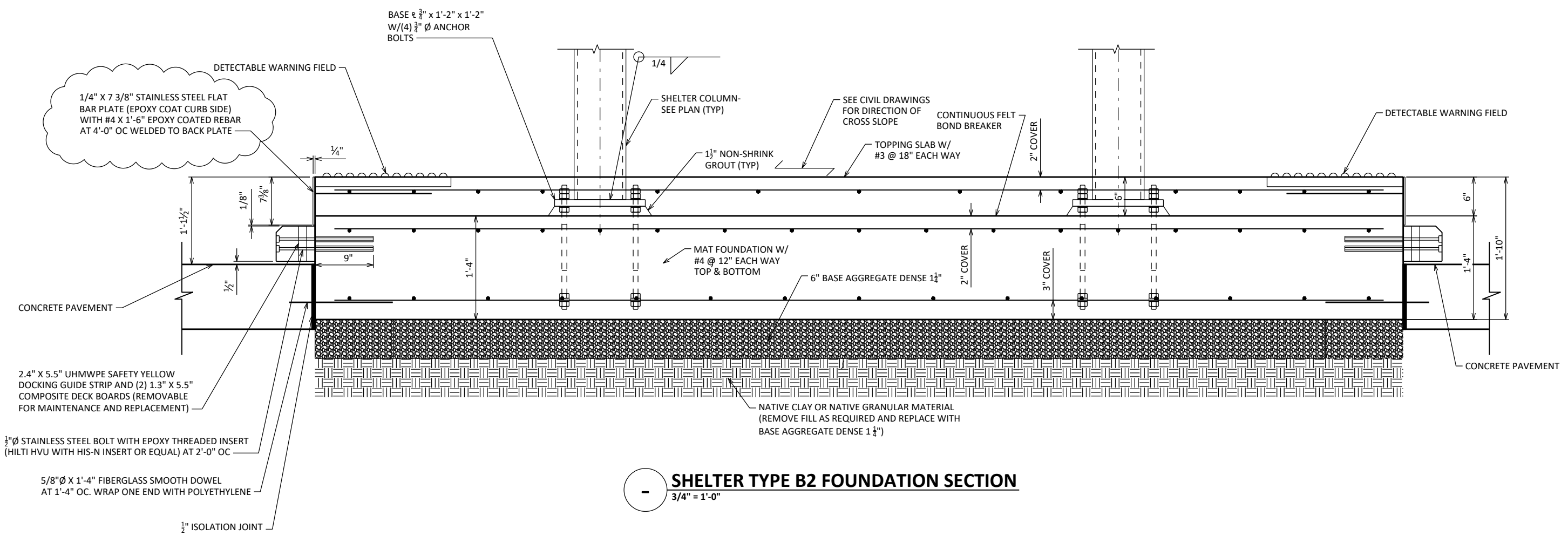
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S-S106

REVISED 3/13/23 DAA

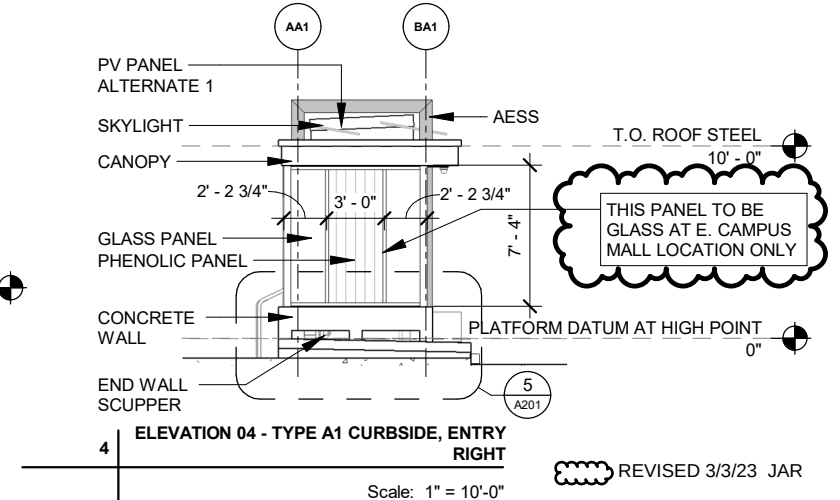
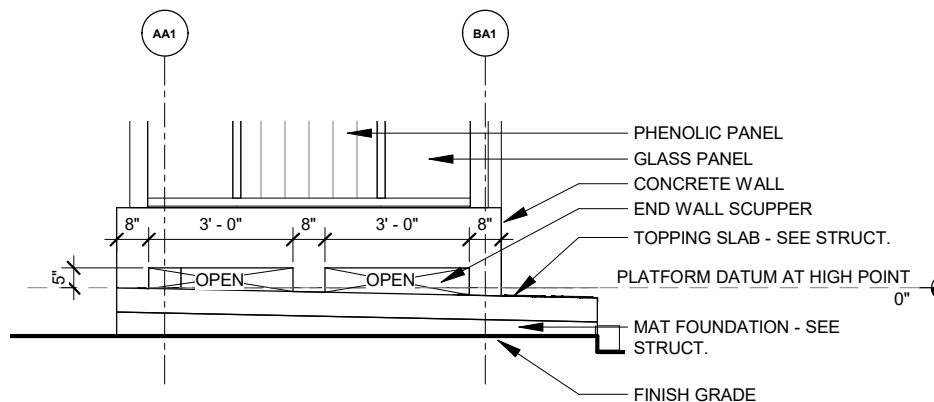
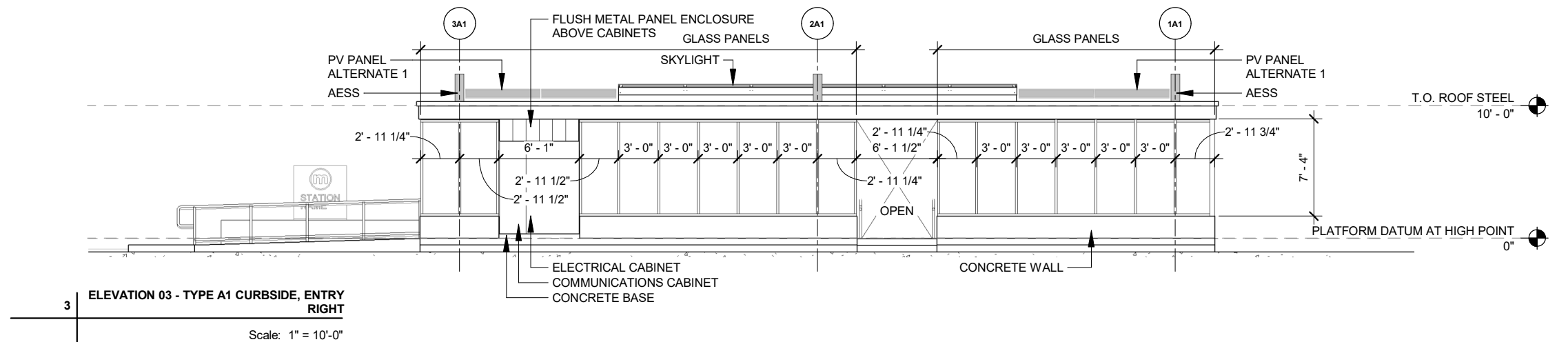
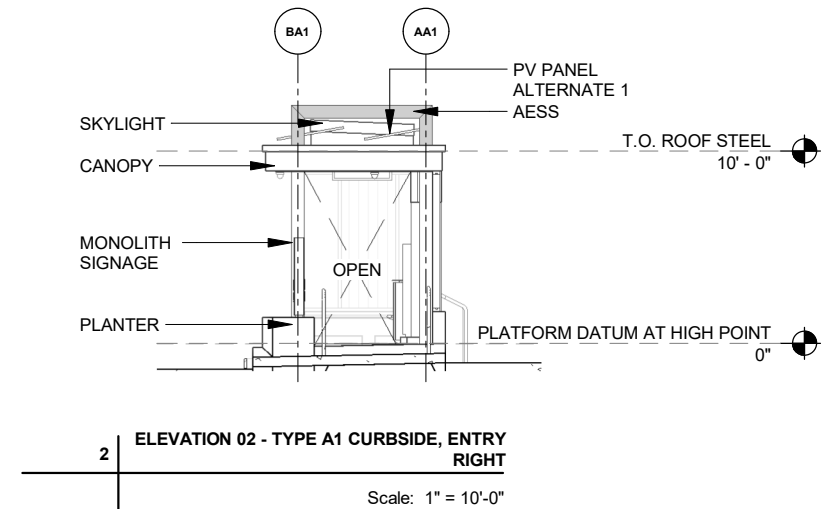
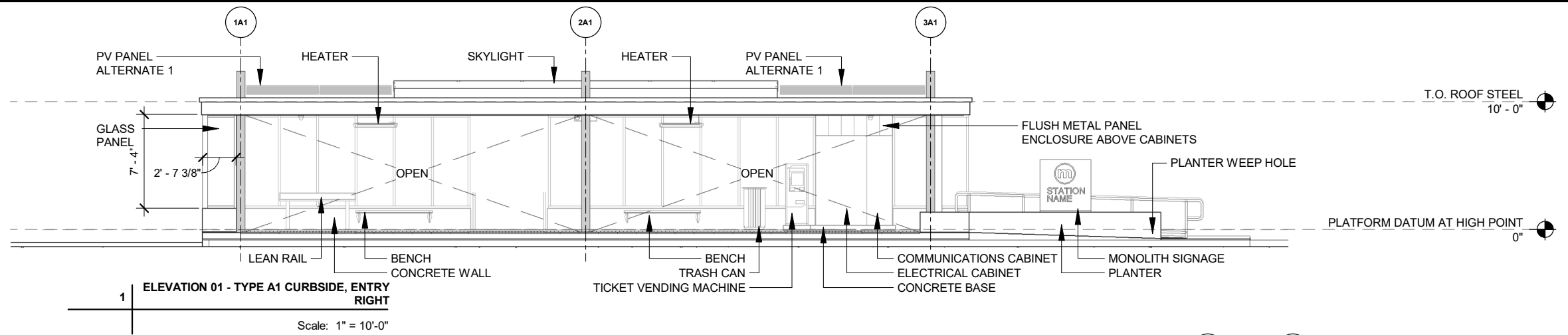


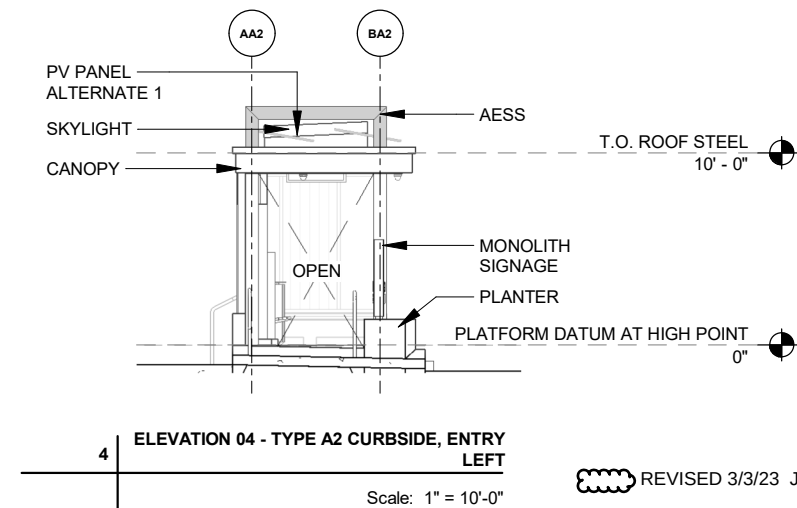
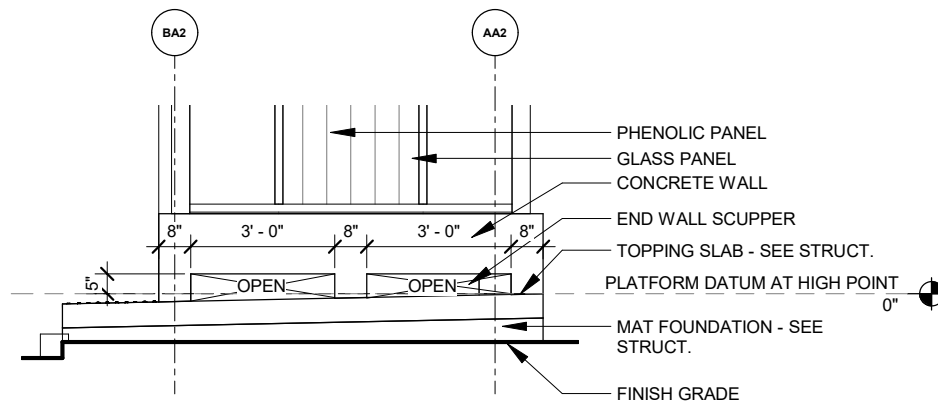
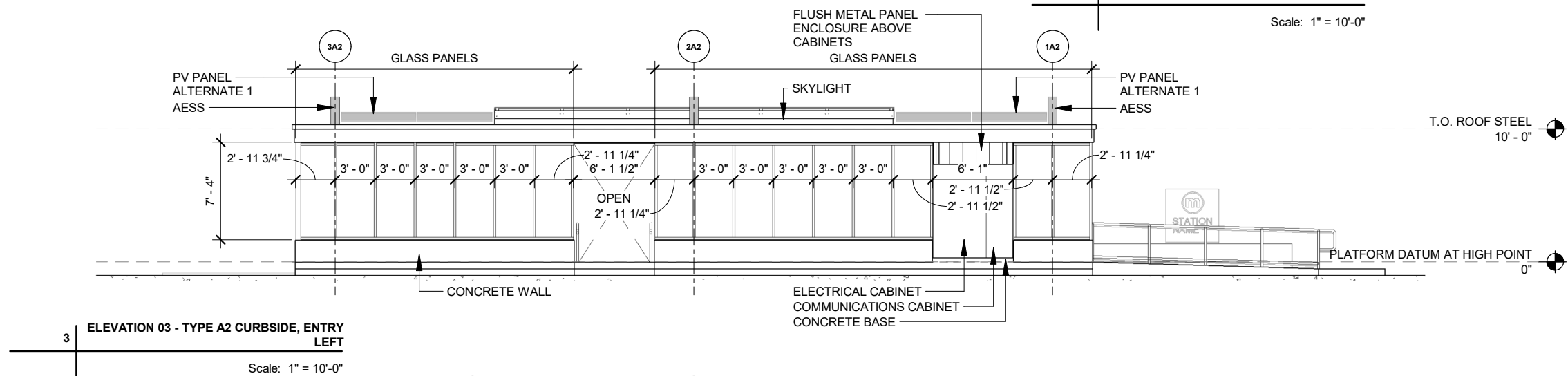
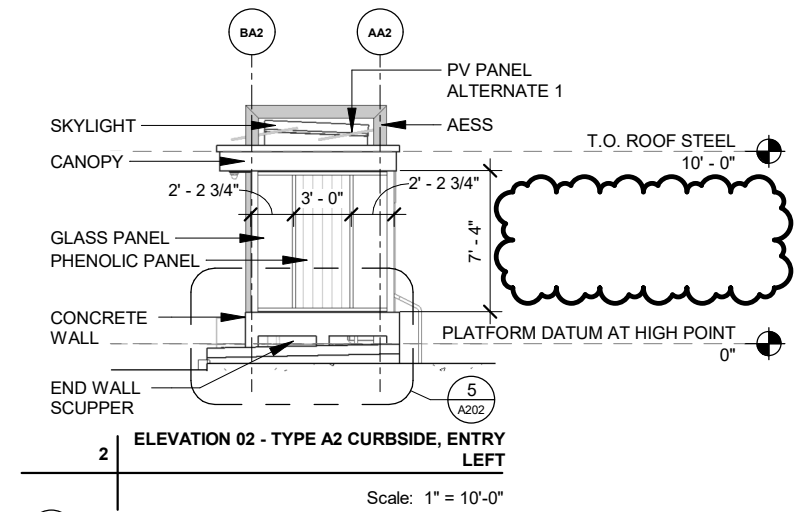
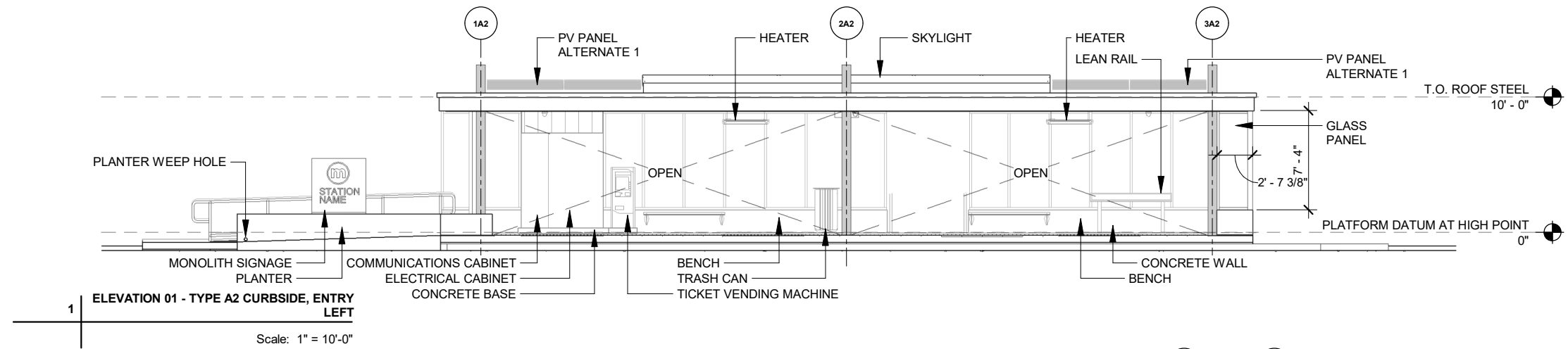
SHELTER TYPE B2 FOUNDATION PLAN
3/4" = 1'-0"



SHELTER TYPE B2 FOUNDATION SECTION
3/4" = 1'-0"

60631225P		CITY OF MADISON, DANE COUNTY, WI		BUS RAPID TRANSIT		CITY OF MADISON	
CONTRACT NO: 60631225C							
60631225P		3/13/23 DAA		3/13/23 DAA		S-S108	
REVISION		DATE		BY			
1		3/13/23		DAA			





REVISION	DATE	BY
3	3/3/2023	JAR
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Designed By: DSG | Date: 3/3/2023 4:52:47 PM | Scale: --

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

ELEVATION PLATFORM TYPE A2

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

A202

REVISED 3/3/23 JAR

JUNCTION ROAD				
SCC Code	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	201.0115	Clearing	ACRE	2.56
40.01	201.0120	Clearing	ID	4.00
40.01	201.0215	Grubbing	ACRE	2.56
40.01	201.0220	Grubbing	ID	4.00
40.01	204.0150	Removing Curb & Gutter	LF	370.00
40.01	204.0155	Removing Concrete Sidewalk	SY	310.00
40.01	204.0170	Removing Fence	LF	480.00
40.02	204.0245.03	Removing Storm Sewer - 18 inch	LF	11.00
40.02	204.0245.07	Removing Storm Sewer - 21 inch	LF	38.00
40.02	204.0250	Abandoning Manholes	EACH	2.00
40.01	205.0100	Excavation Common	CY	7073.00
40.02	208.1100	Select Borrow	CY	825.00
10.02	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	4740.00
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	40.00
40.02	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	260.00
40.07	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	2050.00
10.02	305.0130	Base Aggregate Dense 3-Inch	TON	5220.00
20.01	305.0130	Base Aggregate Dense 3-Inch	TON	50.00
40.07	305.0130	Base Aggregate Dense 3-Inch	TON	1970.00
10.02	415.0110	Concrete Pavement 11-Inch	SY	2020.00
40.07	415.4100	Concrete Pavement Joint Filling	SY	2272.00
40.07	455.0605	Tack Coat	GAL	720.00
40.07	460.2000	Incentive Density HMA Pavement	DOL	1200.00
10.02	460.6223	HMA Pavement 3 MT 58-28 S	TON	722.00
10.02	460.6224	HMA Pavement 4 MT 58-28 S	TON	820.00
40.07	460.6224	HMA Pavement 4 MT 58-28 S	TON	335.00
40.02	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	2.00
40.02	520.8000	Concrete Collars for Pipe	EACH	4.00
40.02	521.3112	Culvert Pipe Corrugated Steel 12-Inch	LF	12.00
40.07	601.0205	Concrete Gutter 24-Inch	LF	270.00
40.07	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	330.00
40.07	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	2360.00
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	160.00
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	15300.00
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	1940.00
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	320.00
40.02	606.0100	Riprap Light	CY	6.00
40.02	606.0200	Riprap Medium	CY	4.00
40.02	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	390.00
40.02	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	142.00
40.02	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	216.00
40.02	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	105.00
40.02	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	82.00
40.02	608.3018	Storm Sewer Pipe Class III-A 18-Inch	LF	263.00
40.02	611.0535	Manhole Covers Type J-Special	EACH	1.00
40.02	611.0612	Inlet Covers Type C	EACH	6.00
40.02	611.0624	Inlet Covers Type H	EACH	1.00
40.02	611.0627	Inlet Covers Type HM	EACH	1.00

60631225P

MISCELLANEOUS QUANTITIES

3/10/23

ALM

PLAN REVISION 1

ADDENDUM 3

11/17/23

ALM

REVISION

DATE

Mark

Designed By: AECOM

60631225P

Scale: NTS

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

CITY OF MADISON

WISCONSIN

60631225P

MQ-1

BUS RAPID TRANSIT

CITY OF MADISON

FILE NAME

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LAST PLOT DATE : 3/10/2023

JUNCTION ROAD				
SCC Code	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.02	611.0639	Inlet Covers Type H-S	EACH	6.00
40.02	611.1230	Catch Basins 2x3-FT	EACH	2.00
40.02	611.2003	Manholes 3-FT Diameter	EACH	5.00
40.02	611.2004	Manholes 4-FT Diameter	EACH	2.00
40.02	611.2044	Manholes 4x4-FT	EACH	3.00
40.02	611.3230	Inlets 2x3-FT	EACH	5.00
40.02	611.3901	Inlets Median 1 Grate	EACH	3.00
40.02	611.8115	Adjusting Inlet Covers	EACH	1.00
40.02	612.0106	Pipe Underdrain 6-Inch	LF	45.00
40.02	612.0208	Pipe Underdrain Unperforated 8-Inch	LF	126.00
40.07	620.0300	Concrete Median Sloped Nose	SF	37.00
10.02	624.0100	Water	MGAL	200.00
40.07	624.0100	Water	MGAL	82.00
40.06	625.0100	Topsoil	SY	4900.00
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	1760.00
40.06	628.2008	Erosion Mat Urban Class I Type B	SY	3140.00
40.06	628.6505	Soil Stabilizer Type A	ACRE	1.30
40.02	628.7005	Inlet Protection Type A	EACH	2.00
40.02	628.7020	Inlet Protection Type D	EACH	15.00
40.02	628.7560	Tracking Pads	EACH	1.00
40.06	629.0210	Fertilizer Type B	CWT	3.54
40.06	630.0500	Seed Water	MGAL	110.00
40.02	650.4000	Construction Staking Storm Sewer	EACH	17.00
40.07	650.5000	Construction Staking Base	LF	1650.00
40.07	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	3390.00
40.07	650.7000	Construction Staking Concrete Pavement	LF	380.00
40.06	650.9000	Construction Staking Curb Ramps	EACH	19.00
40.02	650.9920	Construction Staking Slope Stakes	LF	2900.00
40.07	650.9920	Construction Staking Slope Stakes	LF	1025.00
40.01	690.0150	Sawing Asphalt	LF	210.00
40.01	690.0250	Sawing Concrete	LF	290.00
40.07	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	610.00
40.02	SPV.0035.601	Engineered Soil	CY	832.00
40.02	SPV.0035.602	Storm Water Wet Pond Clay Liner	CY	450.00
40.07	SPV.0060.003	Bike Rack	EACH	8.00
20.01	SPV.0060.308	Snow Melt System Shelter Type A6	EACH	2.00
20.01	SPV.0060.406	Reinforced Concrete Platform Type A6	EACH	2.00
30.01	SPV.0060.414	Junction Road Restroom and Electrical Building	EACH	1.00
30.01	SPV.0060.416	Overhead Charger Foundation	EACH	2.00
20.01	SPV.0060.422	Platform Shelter Type A6	EACH	2.00
40.07	SPV.0060.431	Bike Shelter	EACH	1.00
40.07	SPV.0060.433	Install Metro Local Route Shelter	EACH	2.00
40.06	SPV.0060.504.01	Trees (Early Glow Buckeye, B&B, 2-IN)	EACH	3.00
40.06	SPV.0060.504.02	Trees (Autumn Blaze Freeman Maple, B&B, 2-IN)	EACH	2.00
40.06	SPV.0060.504.03	Trees (State Street Miyabe Maple, B&B, 2-IN)	EACH	3.00
40.06	SPV.0060.504.04	Trees (Hackberry, B&B, 2-IN)	EACH	3.00
40.06	SPV.0060.504.05	Trees (Kentucky Coffee Tree, B&B, 2-IN)	EACH	3.00
40.06	SPV.0060.504.06	Trees (Skyline Thornless Honey Locust, B&B, 2-IN)	EACH	4.00

60631225P		PLAN REVISION 1 3/10/23 ALM		ADDENDUM 3 11/15/22 ALM		REVISION DATE 3/10/23		Scale: NTS	
60631225P		Mark Designed By: AECOM 60631225P							
MISCELLANEOUS QUANTITIES		60631225P		CITY OF MADISON, DANE COUNTY, WI		CONTRACT NO: 60631225C			
BUS RAPID TRANSIT									
CITY OF MADISON									
									
60631225P									
MQ-2									

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LAST PLOT DATE: 3/10/2023
FILE NAME:

JUNCTION ROAD				
SCC Code	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.06	SPV.0060.504.07	Trees (Exclamation London Planetree, B&B, 2-IN)	EACH	5.00
40.06	SPV.0060.504.08	Trees (Swamp White Oak, B&B, 2-IN)	EACH	4.00
40.06	SPV.0060.504.09	Trees (Chinquapin Oak, B&B, 2-IN)	EACH	3.00
40.06	SPV.0060.504.11	Trees (American Sentry Linden, B&B, 2-IN)	EACH	2.00
40.06	SPV.0060.504.14	Trees (New Horizon Elm, B&B, 2-IN)	EACH	3.00
40.06	SPV.0060.504.15	Trees ('Autumn Brilliance' Apple Serviceberry, B&B, 2-IN)	EACH	2.00
40.06	SPV.0060.504.16	Trees (Flowering Crabapple, B&B, 2-IN)	EACH	3.00
40.06	SPV.0060.504.17	Trees (Prairie Fire Crabapple, B&B, 2-IN)	EACH	2.00
40.06	SPV.0060.504.18	Trees (Japanese Tree Lilac, B&B, 2-IN)	EACH	2.00
40.06	SPV.0060.506.01	Shrubs (Arctic Fire Red-Osier Dogwood, Potted, 1 GAL)	EACH	18.00
40.06	SPV.0060.506.02	Shrubs (Sea Green Juniper, Potted, 1 GAL)	EACH	20.00
40.06	SPV.0060.506.03	Shrubs (June Grass, Potted, 1 GAL)	EACH	43.00
40.06	SPV.0060.506.04	Shrubs (Creeping Siberian Cypress, Potted, 1 GAL)	EACH	97.00
40.06	SPV.0060.506.05	Shrubs (Calamint, Potted, 1 GAL)	EACH	59.00
40.06	SPV.0060.506.06	Shrubs (Gro-Low Fragrant Sumac, Potted, 1 GAL)	EACH	100.00
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	42.00
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	71.00
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	31.00
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	55.00
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	29.00
40.06	SPV.0060.507.06	Perennials & Native Grasses (Dwarf Fountain Grass, Potted, 1 GAL)	EACH	14.00
40.06	SPV.0060.507.07	Perennials & Native Grasses (Blue False Indigo, Potted, 1 GAL)	EACH	23.00
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	82.00
40.06	SPV.0060.507.09	Perennials & Native Grasses (Little Bluestem, Potted, 1 GAL)	EACH	41.00
40.06	SPV.0060.507.10	Perennials & Native Grasses (Autumn Joy Sedum, Potted, 1 GAL)	EACH	33.00
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	14.00
40.06	SPV.0060.508	Plug Mix	EACH	7608.00
40.02	SPV.0060.604	Storm Cleanout	EACH	1.00
40.02	SPV.0060.610	4' Dia. Sanitary Sewer Access Structure (SAS)	EACH	2.00
40.02	SPV.0060.613	Adjust Water Valve	EACH	1.00
40.02	SPV.0060.618	Sanitary Sewer Tap	EACH	1.00
40.02	SPV.0060.619	Adjust Manhole Cover Special	EACH	1.00
40.02	SPV.0060.631	Furnish & Install Insulation	EACH	1.00
40.02	SPV.0060.632	Furnish & Install 2-Inch Service Lateral	EACH	1.00
40.06	SPV.0085.501	Seeding	LB	32.00
40.06	SPV.0085.502	Stormwater Management Seeding	LB	14.00
40.07	SPV.0090.001	Concrete Curb & Gutter 30-Inch Type A Special	LF	680.00
40.06	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	78.00
40.06	SPV.0090.007	Concrete Curb Extension 24-Inch	LF	70.00
40.07	SPV.0090.011	Docking Guide Strip	LF	200.00
40.06	SPV.0090.401	Pedestrian Handrail	LF	20.00
40.02	SPV.0090.604	8-Inch Sanitary Sewer Pipe	LF	281.00
40.02	SPV.0090.610	Select Fill for Sanitary Sewer	LF	348.00
40.02	SPV.0090.611	6-Inch Sanitary Sewer Lateral	LF	67.00
20.01	SPV.0105.301	Junction PNR Site Electrical	LS	1.00
20.01	SPV.0105.307	Junction PNR Electrical Service	LS	1.00
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	130.00
40.02	SPV.0200.601	Construct Outside Drop 8-Inch	VF	9.00

 REVISED 3/10/23 ALM

			3/10/23	ALM	BY
			DATE		
		PLAN REVISION 1	REVISION	Date:	3/10/2023
		Mark	Designed By: AECOM	Scale: NTS	
		60631225P			

60631225P	CITY OF MADISON, DANE COUNTY, WI	CONTRACT NO: 60631225C
MISCELLANEOUS QUANTITIES	BUS RAPID TRANSIT	CITY OF MADISON



60631225P

MQ-3

SHEBOYGAN AVENUE AT EAU CLAIRE AVENUE

SCC Code	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	201.0105	Clearing	STA	2.00
40.01	201.0120	Clearing	ID	78.00
40.01	201.0205	Grubbing	STA	2.00
40.01	201.0220	Grubbing	ID	78.00
40.01	204.0150	Removing Curb & Gutter	LF	660.00
40.01	204.0155	Removing Concrete Sidewalk	SY	380.00
40.01	205.0100	Excavation Common	CY	730.00
10.02	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	110.00
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	30.00
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	30.00
40.07	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	360.00
10.02	305.0130	Base Aggregate Dense 3-Inch	TON	120.00
20.01	305.0130	Base Aggregate Dense 3-Inch	TON	30.00
40.07	305.0130	Base Aggregate Dense 3-Inch	TON	330.00
10.02	415.0110	Concrete Pavement 11-Inch	SY	320.00
10.02	415.4100	Concrete Pavement Joint Filling	SY	590.00
40.06	455.0605	Tack Coat	GAL	70.00
40.06	460.2000	Incentive Density HMA Pavement	DOL	92.00
40.06	460.6224	HMA Pavement 4 MT 58-28 S	TON	140.00
10.02	601.0205	Concrete Gutter 24-Inch	LF	190.00
40.07	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	670.00
40.07	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	70.00
40.07	601.0454	Concrete Curb & Gutter Integral 30-Inch Type J	LF	70.00
40.06	601.0600	Concrete Curb Pedestrian	LF	25.00
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	2430.00
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	1590.00
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	140.00
40.07	620.0300	Concrete Median Sloped Nose	SF	260.00
10.02	624.0100	Water	MGAL	4.50
40.07	624.0100	Water	MGAL	15.50
40.06	625.0100	Topsoil	SY	480.00
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	480.00
40.06	628.6505	Soil Stabilizer Type A		0.10
40.06	629.0210	Fertilizer Type B	CWT	0.27
40.06	630.0500	Seed Water	MGAL	11.00
40.07	650.5000	Construction Staking Base	LF	212.00
40.07	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	670.00
40.07	650.7000	Construction Staking Concrete Pavement	LF	185.00
40.06	650.9000	Construction Staking Curb Ramps	EACH	8.00
20.01	652.0615	Conduit Special 3-Inch	LF	35.00
20.01	656.0200.308	Electrical Service Meter Breaker Pedestal (Eau Claire)	LS	1.00
40.01	690.0150	Sawing Asphalt	LF	350.00
40.01	690.0250	Sawing Concrete	LF	180.00
40.07	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	100.00
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1.00
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1.00

		03/14/23	ALM		
	PLAN REVISION 1				
	ADDENDUM 4	11/29/22	ALM		
	REVISION			DATE	BY
	Mark				
	Designed By: AECOM				
	60631225P				
				Scale: NTS	
					3/14/2023

60631225P	
	CITY OF MADISON, DANE COUNTY, WI
	CONTRACT NO: 60631225C
MISCELLANEOUS QUANTITIES	
BUS RAPID TRANSIT	
CITY OF MADISON	



60631225P

MQ-19

UNIVERSITY AVENUE AT MIDVALE BOULEVARD				
SCC Code	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	204.0150	Removing Curb & Gutter	LF	1080.00
40.01	204.0155	Removing Concrete Sidewalk	SY	150.00
40.02	204.0220	Removing Inlets	EACH	11.00
40.02	204.0245.01	Removing Storm Sewer - 12 inch or less	LF	84.00
40.02	204.0291.S	Abandoning Sewer	CY	2.00
40.01	205.0100	Excavation Common	CY	730.00
10.02	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	190.00
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	30.00
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	10.00
40.07	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	290.00
10.02	305.0130	Base Aggregate Dense 3-Inch	TON	210.00
20.01	305.0130	Base Aggregate Dense 3-Inch	TON	30.00
40.07	305.0130	Base Aggregate Dense 3-Inch	TON	270.00
10.02	405.0100	Coloring Concrete WisDOT Red	CY	57.00
10.02	415.0110	Concrete Pavement 11-Inch	SY	561.00
10.02	415.4100	Concrete Pavement Joint Filling	SY	679.00
10.02	416.0610	Drilled Tie Bars	EACH	100.00
40.07	416.0610	Drilled Tie Bars	EACH	90.00
10.02	416.0620	Drilled Dowel Bars	EACH	55.00
40.06	455.0605	Tack Coat	GAL	78.00
40.06	460.2000	Incentive Density HMA Pavement	DOL	110.00
40.06	460.6224	HMA Pavement 4 MT 58-28 S	TON	172.00
40.02	520.8000	Concrete Collars for Pipe	EACH	4.00
40.06	601.0600	Concrete Curb Pedestrian	LF	23.00
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	740.00
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	1260.00
40.07	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	120.00
40.02	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	242.00
40.02	611.0535	Manhole Covers Type J-Special	EACH	2.00
40.02	611.0639	Inlet Covers Type H-S	EACH	4.00
40.02	611.3230	Inlets 2x3-FT	EACH	5.00
40.02	611.8110	Adjusting Manhole Covers	EACH	2.00
40.02	611.8115	Adjusting Inlet Covers	EACH	9.00
40.02	611.9710	Salvaged Inlet Covers	EACH	5.00
40.07	620.0300	Concrete Median Sloped Nose	SF	84.00
10.02	624.0100	Water	MGAL	7.90
40.07	624.0100	Water	MGAL	12.50
40.06	625.0100	Topsoil	SY	88.00
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	88.00
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.02
40.02	628.7020	Inlet Protection Type D	EACH	27.00
40.06	629.0210	Fertilizer Type B	CWT	0.05
40.06	630.0500	Seed Water	MGAL	2.00
40.07	650.5000	Construction Staking Base	LF	224.00
40.07	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	357.00
40.07	650.7000	Construction Staking Concrete Pavement	LF	220.00

PLAN REVISION 1
03/14/23 ALM

ADDENDUM 4
11/28/22 ALM

ADDENDUM 3
11/11/22 ALM

REVISION
DATE
3/14/2023

Scale: NTS

Designed By: AECOM
60631225P

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

MISCELLANEOUS QUANTITIES

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

MQ-25

UNIVERSITY AVENUE AT MIDVALE BOULEVARD				
SCC Code	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.06	650.9000	Construction Staking Curb Ramps	EACH	7.00
20.01	652.0615	Conduit Special 3-Inch	LF	89.00
20.01	656.0200.310	Electrical Service Meter Breaker Pedestal (Midvale)	LS	1.00
40.01	690.0150	Sawing Asphalt	LF	680.00
40.01	690.0250	Sawing Concrete	LF	260.00
40.07	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	170.00
40.07	SPV.0060.003	Bike Rack	EACH	1.00
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1.00
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1.00
20.01	SPV.0060.311	Snow Melt System Shelter Type B1	EACH	1.00
20.01	SPV.0060.409	Reinforced Concrete Platform Type B1	EACH	1.00
20.01	SPV.0060.425	Platform Shelter Type B1	EACH	1.00
40.02	SPV.0060.601	Saddled Inlet Type I	EACH	2.00
40.02	SPV.0060.602	Inlets 2x3-FT, Special	EACH	2.00
40.02	SPV.0060.603	Field Pour Storm Structure	EACH	2.00
40.02	SPV.0060.606	Storm Sewer Tap	EACH	3.00
40.02	SPV.0060.609	Relocate Hydrant	EACH	1.00
40.02	SPV.0060.613	Adjust Water Valve	EACH	1.00
40.02	SPV.0060.631	Furnish & Install Insulation	EACH	1.00
40.06	SPV.0085.501	Seeding	LB	1.60
40.07	SPV.0090.003	Concrete Curb & Gutter 24-Inch Type H Special	LF	232.00
40.07	SPV.0090.004	Concrete Curb & Gutter Integral 24-Inch Special	LF	130.00
40.06	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	47.00
40.06	SPV.0090.007	Concrete Curb Extension 24-Inch	LF	24.00
40.07	SPV.0090.011	Docking Guide Strip	LF	154.00
10.02	SPV.0090.014	Concrete Gutter 12-Inch	LF	180.00
40.07	SPV.0090.016	Concrete Curb & Gutter Integral 24-Inch Type J (Mountable)	LF	50.00
40.07	SPV.0090.017	Concrete Curb & Gutter Integral 18-Inch Special	LF	39.00
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	424.00
40.06	SPV.0090.401	Pedestrian Handrail	LF	53.00
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	220.00

60631225P



60631225P

MQ-26

MISCELLANEOUS QUANTITIES

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

PLAN REVISION 1

ADDENDUM 4

ADDENDUM 3

REVISION

Mark

Designed By: AECOM
60631225P

Date:
3/14/2023

Scale: NTS

BY

DATE

11/11/22

11/28/22

03/14/23

ALM

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FILE NAME

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LAST PLOT DATE : 3/14/2023

JOHNSON STREET AT ORCHARD STREET EB				
SCC Code	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	201.0105	Clearing	STA	1.00
40.01	201.0120	Clearing	ID	4.00
40.01	201.0205	Grubbing	STA	1.00
40.01	201.0220	Grubbing	ID	4.00
40.01	204.0100	Removing Concrete Pavement	SY	630.00
40.01	204.0150	Removing Curb & Gutter	LF	51.00
40.01	204.0155	Removing Concrete Sidewalk	SY	470.00
40.02	204.0220	Removing Inlets	EACH	2.00
40.02	204.0245.01	Removing Storm Sewer - 12 inch or less	LF	36.00
40.01	205.0100	Excavation Common	CY	120.00
10.02	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	53.00
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	25.00
40.07	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	137.00
10.02	305.0130	Base Aggregate Dense 3-Inch	TON	58.00
20.01	305.0130	Base Aggregate Dense 3-Inch	TON	27.00
40.07	305.0130	Base Aggregate Dense 3-Inch	TON	85.00
10.02	405.0100	Coloring Concrete WisDOT Red	CY	87.00
40.07	405.1000	Stamping Colored Concrete	CY	27.00
10.02	415.0110	Concrete Pavement 11-Inch	SY	157.00
40.07	415.0110	Concrete Pavement 11-Inch	SY	107.00
40.07	415.4100	Concrete Pavement Joint Filling	SY	264.00
10.02	416.0610	Drilled Tie Bars	EACH	85.00
40.07	416.0610	Drilled Tie Bars	EACH	49.00
10.02	416.0620	Drilled Dowel Bars	EACH	90.00
40.02	520.8000	Concrete Collars for Pipe	EACH	2.00
10.02	601.0205	Concrete Gutter 24-Inch	LF	80.00
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	70.00
40.07	601.0600	Concrete Curb Pedestrian	LF	110.00
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	3720.00
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	364.00
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	40.00
40.07	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	12.00
40.02	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	13.00
40.02	611.3230	Inlets 2x3-FT	EACH	1.00
40.02	611.8110	Adjusting Manhole Covers	EACH	1.00
40.02	611.9710	Salvaged Inlet Covers	EACH	2.00
10.02	624.0100	Water	MGAL	2.20
40.07	624.0100	Water	MGAL	5.50
40.06	625.0100	Topsoil	SY	57.00
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	57.00
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.01
40.02	628.7020	Inlet Protection Type D	EACH	3.00
40.06	629.0210	Fertilizer Type B	CWT	0.03
40.06	630.0500	Seed Water	MGAL	1.30
40.02	650.4000	Construction Staking Storm Sewer	EACH	2.00
40.07	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	270.00

PLAN REVISION 1	3/10/23	ALM
ADDENDUM 4	11/29/22	ALM
ADDENDUM 3	11/11/22	ALM
REVISION	DATE	BY
Mark	3/10/2023	Scale: NTS
Designed By: AECOM	60631225P	

60631225P	CITY OF MADISON, DANE COUNTY, WI	CONTRACT NO: 60631225C
MISCELLANEOUS QUANTITIES	BUS RAPID TRANSIT	CITY OF MADISON



60631225P

MQ-35

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LAST PLOT DATE: 3/10/2023
FILE NAME:

JOHNSON STREET AT ORCHARD STREET EB				
SCC Code	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.07	650.7000	Construction Staking Concrete Pavement	LF	340.00
40.06	650.9000	Construction Staking Curb Ramps	EACH	4.00
40.07	650.9000	Construction Staking Curb Ramps	EACH	1.00
20.01	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	47.00
20.01	656.0200.314	Electrical Service Meter Breaker Pedestal (Orchard EB)	LS	1.00
40.01	690.0250	Sawing Concrete	LF	890.00
40.07	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	60.00
40.06	SPV.0035.003	Red Granite Chips	CY	1.00
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1.00
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1.00
20.01	SPV.0060.304	Snow Melt System Shelter Type A2	EACH	1.00
20.01	SPV.0060.316	Shelter Photovoltaic System	EACH	1.00
20.01	SPV.0060.402	Reinforced Concrete Platform Type A2	EACH	1.00
20.01	SPV.0060.418	Platform Shelter Type A2	EACH	1.00
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	3.00
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	3.00
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	4.00
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	3.00
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	7.00
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	6.00
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	2.00
40.06	SPV.0060.507.12	Perennials & Native Grasses (Canada Anemone, Potted, 1 GAL)	EACH	3.00
40.06	SPV.0060.507.13	Perennials & Native Grasses (Sky Blue Aster, Potted, 1 GAL)	EACH	3.00
40.06	SPV.0060.507.14	Perennials & Native Grasses (Prairie Smoke, Potted, 1 GAL)	EACH	6.00
40.06	SPV.0060.507.15	Perennials & Native Grasses (June Grass, Potted, 1 GAL)	EACH	4.00
40.06	SPV.0060.507.16	Perennials & Native Grasses (Jacob's Ladder, Potted, 1 GAL)	EACH	6.00
40.02	SPV.0060.602	Inlets 2x3-FT, Special	EACH	1.00
40.02	SPV.0060.613	Adjust Water Valve	EACH	1.00
40.06	SPV.0085.501	Seeding	LB	1.00
40.07	SPV.0090.001	Concrete Curb & Gutter 30-Inch Type A Special	LF	200.00
40.07	SPV.0090.003	Concrete Curb & Gutter 24-Inch Type H Special	LF	70.00
40.06	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	15.00
40.06	SPV.0090.007	Concrete Curb Extension 24-Inch	LF	10.00
40.07	SPV.0090.011	Docking Guide Strip	LF	70.00
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	256.00
40.06	SPV.0090.401	Pedestrian Handrail	LF	44.00
40.07	SPV.0165.002	Brick Pavers on Concrete Base	SF	330.00
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	70.00

PLAN REVISION 1
ADDENDUM 4
ADDENDUM 3
REVISION

3/10/23
11/23/22
11/11/22
DATE

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BY

Scale: NTS
3/10/2023

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

MISCELLANEOUS QUANTITIES

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

MQ-36

STATION LOCATION: STATE STREET AT JOHNSON STREET

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	201.0120	Clearing	ID	19
40.01	201.0220	Grubbing	ID	19
40.01	204.0100	Removing Concrete Pavement	SY	160
40.01	204.0155	Removing Concrete Sidewalk	SY	190
40.01	204.0195	Removing Concrete Bases	EACH	3
40.01	205.0100	Excavation Common	CY	190
20.01	209.1500	Backfill Granular Grade 1	TON	110
40.06	209.1500	Backfill Granular Grade 1	TON	130
10.03	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	57
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	19
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	15
10.03	305.0130	Base Aggregate Dense 3-Inch	TON	62
10.03	415.0100	Concrete Pavement 11-Inch	SY	130
10.03	415.4100	Concrete Pavement Joint Filling	SY	160
10.03	416.0610	Drilled Tie Bars	EACH	45
10.03	416.0620	Drilled Dowel Bars	EACH	25
40.07	601.0205	Concrete Gutter 24-Inch	LF	65
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	150
40.02	611.8115	Adjusting Inlet Covers	EACH	1
10.03	624.0100	Water	MGAL	2
20.01	624.0100	Water	MGAL	0.4
40.06	624.0100	Water	MGAL	0.3
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1
40.02	628.7015	Inlet Protection Type C	EACH	6
40.07	650.7000	Construction Staking Concrete Pavement	LF	110
20.01	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	80
20.01	656.0200.318	Electrical Service Meter Breaker Pedestal (State Street EB)	LS	1
20.01	656.0500.304	Electrical Service Breaker Disconnect Box (State Street EB)	LS	1
40.01	690.0250	Sawing Concrete	LF	310
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
40.02	SPV.0060.004	Adjusting Kiosk	EACH	1
40.01	SPV.0060.243	Removing Street Lighting Assembly	EACH	3
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1

STATION LOCATION: STATE STREET AT JOHNSON STREET CONTINUED

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
20.01	SPV.0060.305	Snow Melt System Shelter Type A3	EACH	1
20.01	SPV.0060.403	Reinforced Concrete Platform Type A3	EACH	1
20.01	SPV.0060.419	Platform Shelter Type A3	EACH	1
40.01	SPV.0060.432	Remove and Salvage Metro Local Route Shelter	EACH	3
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.12	Perennials & Native Grasses (Canada Anemone, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.14	Perennials & Native Grasses (Prairie Smoke, Potted, 1 GAL)	EACH	5
40.06	SPV.0060.507.15	Perennials & Native Grasses (June Grass, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.16	Perennials & Native Grasses (Jacob's Ladder, Potted, 1 GAL)	EACH	5
40.02	SPV.0060.606	Storm Sewer Tap	EACH	1
40.02	SPV.0060.622	Furnish & Install 1-Inch Water Service	EACH	3
40.02	SPV.0060.627	Remove and Replace Irrigation System	EACH	2
40.07	SPV.0090.005	Concrete Curb & Gutter 4-Inch Integral 24-Inch Special	LF	46
40.07	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	15
40.07	SPV.0090.011	Docking Guide Strip	LF	69
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	388
40.06	SPV.0090.401	Pedestrian Handrail	LF	20
40.01	SPV.0090.501	Granite Planter Edge Remove and Salvage	LF	100
40.02	SPV.0090.602	PVC Pipe 8-inch	LF	35
40.06	SPV.0165.001	C1 Concrete Sidewalk 7-Inch	SF	950
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	100



60631225P

MQ1-E

MISCELLANEOUS QUANTITIES

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

PLAN REVISION 1	DJC	BY
REVISION	DATE	Scale: NTS
1	2/22/2023	Mark
Designed By: STRAND	Date:	2/22/2023
60631225P		

STATION LOCATION: STATE STREET AT GORHAM STREET				
SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	201.0120	Clearing	ID	16
40.01	201.0220	Grubbing	ID	16
40.01	204.0100	Removing Concrete Pavement	SY	120
40.01	204.0155	Removing Concrete Sidewalk	SY	140
40.01	204.0195	Removing Concrete Bases	EACH	1
40.01	205.0100	Excavation Common	CY	170
20.01	209.1500	Backfill Granular Grade 1	TON	130
40.06	209.1500	Backfill Granular Grade 1	TON	120
10.03	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	36
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	19
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	13
10.03	305.0130	Base Aggregate Dense 3-Inch	TON	40
10.03	415.0110	Concrete Pavement 11-Inch	SY	88
10.03	415.4100	Concrete Pavement Joint Filling	SY	110
10.03	416.0610	Drilled Tie Bars	EACH	32
40.06	416.0610	Drilled Tie Bars	EACH	18
10.03	416.0620	Drilled Dowel Bars	EACH	24
40.07	601.0205	Concrete Gutter 24-Inch	LF	75
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	180
40.02	611.8110	Adjusting Manhole Covers	EACH	1
10.03	624.0100	Water	MGAL	2
20.01	624.0100	Water	MGAL	0.4
40.06	624.0100	Water	MGAL	0.3
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1
40.02	628.7015	Inlet Protection Type C	EACH	4
40.07	650.7000	Construction Staking Concrete Pavement	LF	81
20.01	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	4
20.01	656.0200.317	Electrical Service Meter Breaker Pedestal (State Street WB)	LS	1
20.01	656.0500.303	Electrical Service Breaker Disconnect Box (State Street WB)	LS	1
40.01	690.0250	Sawing Concrete	LF	220
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
40.01	SPV.0060.243	Removing Street Lighting Assembly	EACH	1
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1
20.01	SPV.0060.306	Snow Melt System Shelter Type A4	EACH	1
20.01	SPV.0060.404	Reinforced Concrete Platform Type A4	EACH	1
20.01	SPV.0060.420	Platform Shelter Type A4	EACH	1
40.01	SPV.0060.432	Remove and Salvage Metro Local Route Shelter	EACH	3
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.12	Perennials & Native Grasses (Canada Anemone, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.14	Perennials & Native Grasses (Prairie Smoke, Potted, 1 GAL)	EACH	5
40.06	SPV.0060.507.15	Perennials & Native Grasses (June Grass, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.16	Perennials & Native Grasses (Jacob's Ladder, Potted, 1 GAL)	EACH	5
40.07	SPV.0090.005	Concrete Curb & Gutter 4-Inch Integral 24-Inch Special	LF	6
40.07	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	15
40.07	SPV.0090.007	Concrete Curb Extension 24-Inch	LF	10
40.07	SPV.0090.011	Docking Guide Strip	LF	50
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	84
40.06	SPV.0090.401	Redestrian Handrail	LF	26
40.06	SPV.0165.001	C1 Concrete Sidewalk 7-Inch	SF	480
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	120



REVISED 2/22/2023 DJC

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

MISCELLANEOUS QUANTITIES

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

MQ2-E

PLAN REVISION 1

2/22/2023

DJC

BY

1

Mark

Designed By: STRAND

60631225P

REVISION

Date: 2/22/2023

Scale: NTS

FILE NAME

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LAST PLOT DATE: 2/22/2023

STATION LOCATION: CAPITAL SQUARE - MIFFLIN STREET AT WISCONSIN AVENUE

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	204.0100	Removing Concrete Pavement	SY	670
40.01	204.0155	Removing Concrete Sidewalk	SY	69
40.01	205.0100	Excavation Common	CY	180
10.03	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	160
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	22
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	74
10.03	305.0130	Base Aggregate Dense 3-Inch	TON	180
10.03	415.0110	Concrete Pavement 11-Inch	SY	430
10.03	415.4100	Concrete Pavement Joint Filling	SY	490
10.03	416.0610	Drilled Tie Bars	EACH	87
10.03	416.0620	Drilled Dowel Bars	EACH	90
40.02	520.8000	Concrete Collars for Pipe	EACH	1
40.07	601.0205	Concrete Gutter 24-Inch	LF	75
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	85
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	1500
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	12
40.02	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	240
40.02	611.0535	Manhole Covers Type J-Special	EACH	2
40.02	611.0624	Inlet Covers Type H	EACH	1
40.02	611.2004	Manholes 4-FT Diameter	EACH	2
40.02	611.3230	Inlets 2x3-FT	EACH	1
40.02	611.8115	Adjusting Inlet Covers	EACH	1
10.03	624.0100	Water	MGAL	6.9
20.01	624.0100	Water	MGAL	0.4
40.06	624.0100	Water	MGAL	1.5
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1
40.02	628.7010	Inlet Protection Type B	EACH	4
40.02	628.7015	Inlet Protection Type C	EACH	3
40.07	650.7000	Construction Staking Concrete Pavement	LF	260
40.06	650.9000	Construction Staking Curb Ramps	EACH	1
20.01	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	7
20.01	656.0200.320	Electrical Service Meter Breaker Pedestal (Wisconsin)	LS	1
20.01	656.0500.306	Electrical Service Breaker Disconnect Box (Wisconsin)	LS	1
40.01	690.0250	Sawing Concrete	LF	540

STATION LOCATION: CAPITAL SQUARE - MIFFLIN STREET AT WISCONSIN AVENUE CONTINUED

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1
20.01	SPV.0060.304	Snow Melt System Shelter Type A2	EACH	1
20.01	SPV.0060.316	Shelter Photovoltaic System	EACH	1
20.01	SPV.0060.402	Reinforced Concrete Platform Type A2	EACH	1
20.01	SPV.0060.418	Platform Shelter Type A2	EACH	1
40.01	SPV.0060.432	Remove and Salvage Metro Local Route Shelter	EACH	3
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	7
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	6
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.12	Perennials & Native Grasses (Canada Anemone, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.13	Perennials & Native Grasses (Sky Blue Aster, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.14	Perennials & Native Grasses (Prairie Smoke, Potted, 1 GAL)	EACH	6
40.06	SPV.0060.507.15	Perennials & Native Grasses (June Grass, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.16	Perennials & Native Grasses (Jacob's Ladder, Potted, 1 GAL)	EACH	6
40.02	SPV.0060.606	Storm Sewer Tap	EACH	1
40.06	SPV.0060.613	Adjust Water Valve	EACH	3
40.02	SPV.0060.627	Remove and Replace Irrigation System	EACH	1
40.07	SPV.0090.003	Concrete Curb & Gutter 24-Inch Type H Special	LF	6
40.06	SPV.0090.005	Concrete Curb & Gutter 4-Inch Integral 24-Inch Special	LF	43
40.07	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	15
40.07	SPV.0090.007	Concrete Curb Extension 24-Inch	LF	10
40.07	SPV.0090.011	Docking Guide Strip	LF	70
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	96
40.06	SPV.0090.401	Pedestrian Handrail	LF	45
40.02	SPV.0090.602	PVC Pipe 8-inch	LF	90
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	160



REVISED 2/22/2023 DJC



60631225P

MQ3-E

MISCELLANEOUS QUANTITIES

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

		2/22/2023	DJC	
	PLAN REVISION 1			
	ADDENDUM 3	11/14/2022	DJC	
	REVISION		DATE	BY
	Mark			
	Designed By: STRAND			
	60631225P			
				Scale: NTS

STATION LOCATION: CAPITAL SQUARE - MAIN STREET AT MARTIN LUTHER KING BOULEVARD				
SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	204.0100	Removing Concrete Pavement	SY	600
40.01	204.0155	Removing Concrete Sidewalk	SY	110
40.01	204.0195	Removing Concrete Bases	EACH	1
40.01	205.0100	Excavation Common	CY	200
10.02	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	150
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	22
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	62
10.02	305.0130	Base Aggregate Dense 3-Inch	TON	170
10.02	415.0110	Concrete Pavement 11-Inch	SY	410
10.02	415.4100	Concrete Pavement Joint Filling	SY	470
10.02	416.0610	Drilled Tie Bars	EACH	102
10.02	416.0620	Drilled Dowel Bars	EACH	62
40.02	520.8000	Concrete Collars for Pipe	EACH	1
40.07	601.0205	Concrete Gutter 24-Inch	LF	85
40.07	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	30
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	37
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	1410
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	20
40.02	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	6
40.02	611.3230	Inlets 2x3-FT	EACH	1
40.02	611.8110	Adjusting Manhole Covers	EACH	2
40.02	611.9710	Salvaged Inlet Covers	EACH	1
10.02	624.0100	Water	MGAL	6.4
20.01	624.0100	Water	MGAL	0.4
40.06	624.0100	Water	MGAL	1.2
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1
40.02	628.7010	Inlet Protection Type B	EACH	1
40.02	628.7015	Inlet Protection Type C	EACH	3
40.07	650.7000	Construction Staking Concrete Pavement	LF	240
40.06	650.9000	Construction Staking Curb Ramps	EACH	1
20.01	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	3
20.01	656.0200.319	Electrical Service Meter Breaker Pedestal (Martin Luther King Jr.)	LS	1
20.01	656.0500.305	Electrical Service Breaker Disconnect Box (Martin Luther King Jr.)	LS	1
40.01	690.0250	Sawing Concrete	LF	590

STATION LOCATION: CAPITAL SQUARE - MAIN STREET AT MARTIN LUTHER KING BOULEVARD CONTINUED				
SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
40.01	SPV.0060.243	Removing Street Lighting Assembly	EACH	1
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1
20.01	SPV.0060.304	Snow Melt System Shelter Type A2	EACH	1
20.01	SPV.0060.316	Shelter Photovoltaic System	EACH	1
20.01	SPV.0060.402	Reinforced Concrete Platform Type A2	EACH	1
20.01	SPV.0060.418	Platform Shelter Type A2	EACH	1
40.01	SPV.0060.432	Remove and Salvage Metro Local Route Shelter	EACH	1
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	7
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	6
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.12	Perennials & Native Grasses (Canada Anemone, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.13	Perennials & Native Grasses (Sky Blue Aster, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.14	Perennials & Native Grasses (Prairie Smoke, Potted, 1 GAL)	EACH	6
40.06	SPV.0060.507.15	Perennials & Native Grasses (June Grass, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.16	Perennials & Native Grasses (Jacob's Ladder, Potted, 1 GAL)	EACH	6
40.02	SPV.0060.606	Storm Sewer Tap	EACH	1
40.02	SPV.0060.608	Inlet Cover R-1879-B4G	EACH	1
40.02	SPV.0060.613	Adjust Water Valve	EACH	3
40.07	SPV.0090.005	Concrete Curb & Gutter 4-Inch Integral 24-Inch Special	LF	100
40.07	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	15
40.07	SPV.0090.007	Concrete Curb Extension 24-Inch	LF	10
40.07	SPV.0090.011	Docking Guide Strip	LF	70
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	80
40.06	SPV.0090.401	Pedestrian Handrail	LF	50
40.02	SPV.0090.602	PVC Pipe 8-inch	LF	150
40.06	SPV.0165.001	C1 Concrete Sidewalk 7-Inch	SF	25
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	170

REVISED 2/22/2023 DJC

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

MISCELLANEOUS QUANTITIES

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

MQ5-E

PLAN REVISION 1
2/22/2023
DJC

ADDENDUM 3
11/14/2022
DJC

REVISION
DATE
2/22/2023

BY
Mark

Designed By: STRAND
60631225P

Scale: NTS

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LAST PLOT DATE - 2/22/2023

FILE NAME

STATION LOCATION: EAST WASHINGTON AVENUE AT BLAIR STREET				
SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	201.0120	Clearing	ID	34
40.01	201.0210	Grubbing	SY	150
40.01	201.0220	Grubbing	ID	34
40.01	204.0100	Removing Concrete Pavement	SY	900
40.01	204.0155	Removing Concrete Sidewalk	SY	49
40.01	204.0195	Removing Concrete Bases	EACH	1
40.01	204.0220	Removing Inlets	EACH	1
40.01	205.0100	Excavation Common	CY	290
40.01	208.0100	Borrow	CY	19
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	110
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	31
40.07	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	24
10.02	405.0100	Coloring Concrete WisDOT Red	CY	140
40.07	405.1000	Stamping Colored Concrete	CY	14
10.02	415.0100	Concrete Pavement 10-Inch	SY	400
10.02	415.4100	Concrete Pavement Joint Filling	SY	1020
10.02	416.0610	Drilled Tie Bars	EACH	218
10.02	416.0620	Drilled Dowel Bars	EACH	50
10.02	455.0605	Tack Coat	GAL	1
10.02	460.6223	HMA Pavement 3 MT 58-28 S	TON	3
10.02	460.6224	HMA Pavement 4 MT 58-28 S	TON	2
40.07	601.0205	Concrete Gutter 24-Inch	LF	200
40.07	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	28
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	265
40.07	601.0454	Concrete Curb & Gutter Integral 30-Inch Type J	LF	60
40.07	601.0600	Concrete Curb Pedestrian	LF	11
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	440
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	80
40.07	620.0300	Concrete Median Sloped Nose	SF	100
20.01	624.0100	Water	MGAL	3.9
40.06	624.0100	Water	MGAL	0.6
40.07	624.0100	Water	MGAL	2.2
40.06	625.0105	Topsoil	CY	23
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	140
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.1
40.02	628.7015	Inlet Protection Type C	EACH	9
40.06	629.0210	Fertilizer Type B	CWT	0.1
40.06	630.0500	Seed Water	MGAL	3.3

STATION LOCATION: EAST WASHINGTON AVENUE AT BLAIR STREET CONTINUED				
SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.07	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	49
40.07	650.7000	Construction Staking Concrete Pavement	LF	550
40.06	650.9000	Construction Staking Curb Ramps	EACH	4
20.01	652.0615	Conduit Special 3-Inch	LF	93
20.01	656.0200.321	Electrical Service Meter Breaker Pedestal (Blair)	LS	1
20.01	656.0500.307	Electrical Service Breaker Disconnect Box (Blair)	LS	1
40.01	690.0150	Sawing Asphalt	LF	67
40.01	690.0250	Sawing Concrete	LF	620
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
40.01	SPV.0060.243	Removing Street Lighting Assembly	EACH	1
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1
20.01	SPV.0060.312	Snow Melt System Shelter Type B2	EACH	1
20.01	SPV.0060.316	Shelter Photovoltaic System	EACH	1
20.01	SPV.0060.410	Reinforced Concrete Platform Type B2	EACH	1
20.01	SPV.0060.426	Platform Shelter Type B2	EACH	1
40.06	SPV.0060.501	Tree Protection	EACH	1
40.06	SPV.0060.504.11	Trees (American Sentry Linden, B&B, 2-IN)	EACH	1
40.06	SPV.0060.504.14	Trees (New Horizon Elm, B&B, 2-IN)	EACH	1
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.12	Perennials & Native Grasses (Canada Anemone, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.14	Perennials & Native Grasses (Prairie Smoke, Potted, 1 GAL)	EACH	5
40.06	SPV.0060.507.15	Perennials & Native Grasses (June Grass, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.16	Perennials & Native Grasses (Jacob's Ladder, Potted, 1 GAL)	EACH	5
40.02	SPV.0060.613	Adjust Water Valve	EACH	4
40.02	SPV.0060.623	Remove Irrigation System	EACH	1
40.06	SPV.0085.501	Seeding	LB	2
40.07	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	70
40.07	SPV.0090.007	Concrete Curb Extension 24-Inch	LF	10
40.07	SPV.0090.011	Docking Guide Strip	LF	165
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	440
40.06	SPV.0090.401	Pedestrian Handrail	LF	70
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	460

REVISED 2/22/2023 DJC

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

MISCELLANEOUS QUANTITIES

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

MQ6-E

PLAN REVISION 1

REVISION

DATE

BY

1

Mark

2/22/2023

60631225P

Scale: NTS

2/22/2023

FILE NAME

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LAST PLOT DATE: 2/22/2023

STATION LOCATION: EAST WASHINGTON AVENUE AT PATERSON STREET				
SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	204.0100	Removing Concrete Pavement	SY	1010
40.01	204.0150	Removing Curb & Gutter	LF	56
40.01	204.0155	Removing Concrete Sidewalk	SY	83
40.02	204.0220	Removing Inlets	EACH	3
40.02	204.0245.01	Removing Storm Sewer - 12 inch or less	LF	26
40.02	204.0280	Sealing Pipes	EACH	1
40.02	204.0291.S	Abandoning Sewer	CY	1
40.01	205.0100	Excavation Common	CY	31
40.01	208.0100	Borrow	CY	9
40.07	209.0300.S	Backfill Course Aggregate Size No. 1	CY	1
10.02	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	8
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	31
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	29
40.07	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	34
10.02	305.0130	Base Aggregate Dense 3-Inch	TON	24
40.07	305.0130	Base Aggregate Dense 3-Inch	TON	66
10.02	405.0100	Coloring Concrete WisDOT Red	CY	48
40.07	405.1000	Stamping Colored Concrete	CY	11
10.02	415.0100	Concrete Pavement 10-Inch	SY	520
10.02	415.4100	Concrete Pavement Joint Filling	SY	810
10.02	416.0610	Drilled Tie Bars	EACH	236
40.07	416.0610	Drilled Tie Bars	EACH	24
10.02	416.0620	Drilled Dowel Bars	EACH	64
40.02	520.8000	Concrete Collars for Pipe	EACH	2
40.07	601.0205	Concrete Gutter 24-Inch	LF	170
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	72
40.07	601.0454	Concrete Curb & Gutter Integral 30-Inch Type J	LF	60
40.07	601.0600	Concrete Curb Pedestrian	LF	10
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	310
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	540
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	80
40.02	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	160
40.02	611.0624	Inlet Covers Type H	EACH	1
40.02	611.0627	Inlet Covers Type HM	EACH	2
40.02	611.3230	Inlets 2x3-FT	EACH	3
40.02	611.8110	Adjusting Manhole Covers	EACH	1
40.02	612.0106	Pipe Underdrain 6-Inch	LF	39
40.07	620.0300	Concrete Median Sloped Nose	SF	56
20.01	624.0100	Water	MGAL	0.6
40.06	624.0100	Water	MGAL	0.6

STATION LOCATION: EAST WASHINGTON AVENUE AT PATERSON STREET CONTINUED				
SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.07	624.0100	Water	MGAL	0.7
40.06	625.0105	Topsoil	CY	31
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	180
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.04
40.02	628.7015	Inlet Protection Type C	EACH	13
40.06	629.0210	Fertilizer Type B	CWT	0.12
40.06	630.0500	Seed Water	MGAL	4
40.06	645.0112	Geotextile Type DF Schedule B	SY	22
40.07	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	56
40.07	650.7000	Construction Staking Concrete Pavement	LF	590
40.06	650.9000	Construction Staking Curb Ramps	EACH	4
20.01	652.0615	Conduit Special 3-Inch	LF	54
20.01	656.0200.322	Electrical Service Meter Breaker Pedestal (Paterson)	LS	1
20.01	656.0500.308	Electrical Service Breaker Disconnect Box (Paterson)	LS	1
40.01	690.0250	Sawing Concrete	LF	780
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1
20.01	SPV.0060.312	Snow Melt System Shelter Type B2	EACH	1
20.01	SPV.0060.316	Shelter Photovoltaic System	EACH	1
20.01	SPV.0060.410	Reinforced Concrete Platform Type B2	EACH	1
20.01	SPV.0060.426	Platform Shelter Type B2	EACH	1
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.12	Perennials & Native Grasses (Canada Anemone, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.14	Perennials & Native Grasses (Prairie Smoke, Potted, 1 GAL)	EACH	5
40.06	SPV.0060.507.15	Perennials & Native Grasses (June Grass, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.16	Perennials & Native Grasses (Jacob's Ladder, Potted, 1 GAL)	EACH	5
40.02	SPV.0060.623	Remove Irrigation System	EACH	1
40.06	SPV.0085.501	Seeding	LB	3
40.07	SPV.0090.004	Concrete Curb & Gutter Integral 24-Inch Special	LF	260
40.07	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	36
40.07	SPV.0090.007	Concrete Curb Extension 24-Inch	LF	10
40.07	SPV.0090.011	Docking Guide Strip	LF	147
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	284
40.06	SPV.0090.401	Pedestrian Handrail	LF	36
40.02	SPV.0090.602	PVC Pipe 8-inch	LF	86
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	200

REVISÉ 2/22/2023 DJC

STATION LOCATION: EAST WASHINGTON AVENUE AT BALDWIN STREET

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	204.0100	Removing Concrete Pavement	SY	940
40.01	204.0150	Removing Curb & Gutter	LF	34
40.01	204.0155	Removing Concrete Sidewalk	SY	93
40.02	204.0220	Removing Inlets	EACH	1
40.02	204.0245.01	Removing Storm Sewer - 12 inch or less	LF	21
40.01	205.0100	Excavation Common	CY	32
40.01	208.0100	Borrow	CY	13
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	31
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	27
40.07	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	28
40.07	305.0130	Base Aggregate Dense 3-Inch	TON	13
10.02	405.0100	Coloring Concrete WisDOT Red	CY	48
40.07	405.1000	Stamping Colored Concrete	CY	12
10.02	415.0100	Concrete Pavement 10-Inch	SY	290
40.07	415.0100	Concrete Pavement 10-Inch	SY	150
10.02	415.4100	Concrete Pavement Joint Filling	SY	560
40.07	415.4100	Concrete Pavement Joint Filling	SY	186
10.02	416.0610	Drilled Tie Bars	EACH	180
40.07	416.0610	Drilled Tie Bars	EACH	66
10.02	416.0620	Drilled Dowel Bars	EACH	60
40.07	416.0620	Drilled Dowel Bars	EACH	18
40.02	520.8000	Concrete Collars for Pipe	EACH	2
40.07	601.0205	Concrete Gutter 24-Inch	LF	170
40.07	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	130
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	72
40.07	601.0454	Concrete Curb & Gutter Integral 30-Inch Type J	LF	60
40.07	601.0600	Concrete Curb Pedestrian	LF	10
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	260
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	440
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	80
40.02	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	21
40.02	611.0624	Inlet Covers Type H	EACH	1
40.02	611.3230	Inlets 2x3-FT	EACH	1
40.02	611.8110	Adjusting Manhole Covers	EACH	2
40.02	611.8115	Adjusting Inlet Covers	EACH	1
40.07	620.0300	Concrete Median Sloped Nose	SF	55
20.01	624.0100	Water	MGAL	1
40.06	624.0100	Water	MGAL	1
40.07	624.0100	Water	MGAL	1
40.06	625.0105	Topsoil	CY	23

STATION LOCATION: EAST WASHINGTON AVENUE AT BALDWIN STREET CONTINUED

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	140
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.03
40.02	628.7015	Inlet Protection Type C	EACH	10
40.06	629.0210	Fertilizer Type B	CWT	0.09
40.06	630.0500	Seed Water	MGAL	3
40.07	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	94
40.07	650.7000	Construction Staking Concrete Pavement	LF	480
40.06	650.9000	Construction Staking Curb Ramps	EACH	4
20.01	652.0615	Conduit Special 3-Inch	LF	55
20.01	656.0200.323	Electrical Service Meter Breaker Pedestal (Baldwin)	LS	1
20.01	656.0500.309	Electrical Service Breaker Disconnect Box (Baldwin)	LS	1
40.01	690.0250	Sawing Concrete	LF	780
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1
20.01	SPV.0060.312	Snow Melt System Shelter Type B2	EACH	1
20.01	SPV.0060.316	Shelter Photovoltaic System	EACH	1
20.01	SPV.0060.410	Reinforced Concrete Platform Type B2	EACH	1
20.01	SPV.0060.426	Platform Shelter Type B2	EACH	1
40.06	SPV.0060.501	Tree Protection	EACH	2
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.12	Perennials & Native Grasses (Canada Anemone, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.14	Perennials & Native Grasses (Prairie Smoke, Potted, 1 GAL)	EACH	5
40.06	SPV.0060.507.15	Perennials & Native Grasses (June Grass, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.16	Perennials & Native Grasses (Jacob's Ladder, Potted, 1 GAL)	EACH	5
40.02	SPV.0060.623	Remove Irrigation System	EACH	1
40.06	SPV.0085.501	Seeding	LB	3
40.06	SPV.0090.003	Concrete Curb & Gutter 24-Inch Type H Special	LF	70
40.07	SPV.0090.004	Concrete Curb & Gutter Integral 24-Inch Special	LF	59
40.07	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	36
40.07	SPV.0090.007	Concrete Curb Extension 24-Inch	LF	10
40.07	SPV.0090.011	Docking Guide Strip	LF	147
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	288
40.06	SPV.0090.401	Pedestrian Handrail	LF	36
40.02	SPV.0090.602	PVC Pipe 8-inch	LF	150
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	200

REVISED 2/22/2023 DJC

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

MISCELLANEOUS QUANTITIES

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

MQ8-E

PLAN REVISION 1

REVISION

Date: 2/22/2023

Mark

Designed By: STRAND

60631225P

DJC

DATE

BY

Scale: NTS

FILE NAME

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LAST PLOT DATE: 2/22/2023

STATION LOCATION: EAST WASHINGTON AVENUE AT FIRST STREET				
SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	204.0100	Removing Concrete Pavement	SY	570
40.01	204.0150	Removing Curb & Gutter	LF	45
40.01	204.0155	Removing Concrete Sidewalk	SY	130
40.02	204.0220	Removing Inlets	EACH	2
40.02	204.0245.01	Removing Storm Sewer - 12-inch or less	LF	19
40.01	205.0100	Excavation Common	CY	95
40.02	209.1500	Backfill Granular Grade 1	TON	10
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	27
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	32
40.07	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	29
40.07	305.0130	Base Aggregate Dense 3-Inch	TON	26
10.02	405.0100	Coloring Concrete WisDOT Red	CY	66
40.07	405.1000	Stamping Colored Concrete	CY	10
10.02	415.0100	Concrete Pavement 10-Inch	SY	220
10.02	415.4100	Concrete Pavement Joint Filling	SY	537
40.07	415.4100	Concrete Pavement Joint Filling	SY	9
10.02	416.0610	Drilled Tie Bars	EACH	171
40.07	416.0610	Drilled Tie Bars	EACH	14
10.02	416.0620	Drilled Dowel Bars	EACH	51
40.02	520.8000	Concrete Collars for Pipe	EACH	1
40.07	601.0205	Concrete Gutter 24-Inch	LF	220
40.07	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	34
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	82
40.07	601.0454	Concrete Curb & Gutter Integral 30-Inch Type J	LF	65
40.07	601.0600	Concrete Curb Pedestrian	LF	7
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	230
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	370
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	60
40.02	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	34
40.02	611.0624	Inlet Covers Type H	EACH	1
40.02	611.0627	Inlet Covers Type HM	EACH	1
40.02	611.3004	Inlets 4-FT Diameter	EACH	2
40.07	620.0300	Concrete Median Sloped Nose	SE	51
20.01	624.0100	Water	MGAL	1
40.06	624.0100	Water	MGAL	1
40.07	624.0100	Water	MGAL	1
40.06	625.0105	Topsoil	CY	4
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	25

STATION LOCATION: EAST WASHINGTON AVENUE AT FIRST STREET CONTINUED				
SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.01
40.02	628.7015	Inlet Protection Type C	EACH	10
40.06	629.0210	Fertilizer Type B	CWT	0.02
40.06	630.0500	Seed Water	MGAL	1
40.07	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	45
40.07	650.7000	Construction Staking Concrete Pavement	LF	420
40.06	650.9000	Construction Staking Curb Ramps	EACH	3
20.01	652.0615	Conduit Special 3-Inch	LF	83
20.01	656.0200.324	Electrical Service Meter Breaker Pedestal (First)	LS	1
40.01	690.0250	Sawing Concrete	LF	530
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1
20.01	SPV.0060.311	Snow Melt System Shelter Type B1	EACH	1
20.01	SPV.0060.316	Shelter Photovoltaic System	EACH	1
20.01	SPV.0060.409	Reinforced Concrete Platform Type B1	EACH	1
20.01	SPV.0060.425	Platform Shelter Type B1	EACH	1
40.02	SPV.0060.623	Remove Irrigation System	EACH	1
40.06	SPV.0085.501	Seeding	LB	1
40.07	SPV.0090.003	Concrete Curb & Gutter 24-Inch Type H Special	LF	11
40.07	SPV.0090.004	Concrete Curb & Gutter Integral 24-Inch Special	LF	21
40.07	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	91
40.07	SPV.0090.007	Concrete Curb Extension 24-Inch	LF	10
40.07	SPV.0090.011	Docking Guide Strip	LF	170
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	300
40.06	SPV.0090.401	Pedestrian Handrail	LF	91
40.02	SPV.0090.602	PVC Pipe 8-inch	LF	103
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	420

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60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

MISCELLANEOUS QUANTITIES

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

MQ9-E

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REVISÉ 2/22/2023 DJC

BUMPOUT LOCATION: EAST WASHINGTON AT FOURTH STREET

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	204.0100	Removing Concrete Pavement	SY	640
40.01	204.0150	Removing Curb & Gutter	LF	13
40.01	204.0155	Removing Concrete Sidewalk	SY	77
40.06	204.0195	Removing Concrete Bases	EACH	10
40.06	204.9090.S.03	Remove and Salvage Fence	LF	154
40.01	205.0100	Excavation Common	CY	53
40.01	208.0100	Borrow	CY	2
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	31
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	20
40.07	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	24
10.02	405.0100	Coloring Concrete WisDOT Red	CY	77
40.07	405.1000	Stamping Colored Concrete	CY	13
10.02	415.0100	Concrete Pavement 10-Inch	SY	180
10.02	415.4100	Concrete Pavement Joint Filling	SY	510
10.02	416.0610	Drilled Tie Bars	EACH	139
10.02	416.0620	Drilled Dowel Bars	EACH	64
40.07	601.0205	Concrete Gutter 24-Inch	LF	180
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	74
40.07	601.0454	Concrete Curb & Gutter Integral 30-Inch Type J	LF	60
40.07	601.0600	Concrete Curb Pedestrian	LF	11
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	220
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	40
40.02	611.8110	Adjusting Manhole Covers	EACH	1
40.07	620.0300	Concrete Median Sloped Nose	SF	55
20.01	624.0100	Water	MGAL	1
40.06	624.0100	Water	MGAL	0.4
40.07	624.0100	Water	MGAL	0.5
40.06	625.0105	Topsoil	CY	4
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	24
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.01

BUMPOUT LOCATION: EAST WASHINGTON AT FOURTH STREET CONTINUED

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.02	628.7015	Inlet Protection Type C	EACH	6
40.06	629.0210	Fertilizer Type B	CWT	0.02
40.06	630.0500	Seed Water	MGAL	1
40.06	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	12
40.07	650.7000	Construction Staking Concrete Pavement	LF	350
40.06	650.9000	Construction Staking Curb Ramps	EACH	3
20.01	652.0615	Conduit Special 3-Inch	LF	69
20.01	656.0200.325	Electrical Service Meter Breaker Pedestal (Fourth)	LS	1
40.01	690.0250	Sawing Concrete	LF	450
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1
20.01	SPV.0060.312	Snow Melt System Shelter Type B2	EACH	1
20.01	SPV.0060.316	Shelter Photovoltaic System	EACH	1
20.01	SPV.0060.410	Reinforced Concrete Platform Type B2	EACH	1
20.01	SPV.0060.426	Platform Shelter Type B2	EACH	1
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.12	Perennials & Native Grasses (Canada Anemone, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.14	Perennials & Native Grasses (Prairie Smoke, Potted, 1 GAL)	EACH	5
40.06	SPV.0060.507.15	Perennials & Native Grasses (June Grass, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.16	Perennials & Native Grasses (Jacob's Ladder, Potted, 1 GAL)	EACH	5
40.02	SPV.0060.606	Storm Sewer Tap	EACH	1
40.02	SPV.0060.623	Remove Irrigation System	EACH	2
40.06	SPV.0085.501	Seeding	LB	0.4
40.06	SPV.0090.003	Concrete Curb & Gutter 24-Inch Type H Special	LF	13
40.07	SPV.0090.004	Concrete Curb & Gutter Integral 24-Inch Special	LF	10
40.07	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	46
40.07	SPV.0090.007	Concrete Curb Extension 24-Inch	LF	10
40.07	SPV.0090.011	Docking Guide Strip	LF	153
40.06	SPV.0090.019	Reinstall Salvaged Fence	LF	79
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	258
40.06	SPV.0090.401	Pedestrian Handrail	LF	50
40.02	SPV.0090.602	PVC Pipe 8-inch	LF	140
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	280

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

MISCELLANEOUS QUANTITIES

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

MQ10-E

PLAN REVISION 1

REVISION

DATE

BY

1

Mark

2/22/2023

60631225P

Scale: NTS

2/22/2023

FILE NAME

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LAST PLOT DATE - 2/22/2023

STATION LOCATION: EAST WASHINGTON AVENUE AT MARQUETTE STREET				
SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	201.0120	Clearing	ID	16
40.01	201.0220	Grubbing	ID	16
40.01	204.0100	Removing Concrete Pavement	SY	740
40.01	204.0150	Removing Curb & Gutter	LF	35
40.01	204.0155	Removing Concrete Sidewalk	SY	170
40.02	204.0220	Removing Inlets	EACH	4
40.02	204.0245.01	Removing Storm Sewer - 12 inch or less	LF	21
40.02	204.0245.03	Removing Storm Sewer - 18 inch	LF	29
40.02	204.0245.04	Removing Storm Sewer - 24 inch	LF	6
40.06	204.9090.S.03	Remove and Salvage Fence	LF	180
40.01	205.0100	Excavation Common	CY	130
40.07	209.0300.S	Backfill Course Aggregate Size No. 1	CY	4
40.02	209.1500	Backfill Granular Grade 1	TON	23
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	31
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	24
40.07	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	98
40.07	305.0130	Base Aggregate Dense 3-Inch	TON	150
40.07	405.1000	Stamping Colored Concrete	CY	23
10.03	415.0100	Concrete Pavement 10-Inch	SY	570
40.07	415.0100	Concrete Pavement 10-Inch	SY	83
10.03	415.4100	Concrete Pavement Joint Filling	SY	669
40.07	415.4100	Concrete Pavement Joint Filling	SY	111
10.03	416.0610	Drilled Tie Bars	EACH	164
40.07	416.0610	Drilled Tie Bars	EACH	41
10.03	416.0620	Drilled Dowel Bars	EACH	72
40.07	416.0620	Drilled Dowel Bars	EACH	23
40.02	520.8000	Concrete Collars for Pipe	EACH	2
40.07	601.0205	Concrete Gutter 24-Inch	LF	170
40.07	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	100
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	72
40.07	601.0454	Concrete Curb & Gutter Integral 30-Inch Type J	LF	90
40.07	601.0600	Concrete Curb Pedestrian	LF	12
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	190
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	530
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	80
40.02	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	160
40.02	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	6
40.02	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	29
40.02	611.0535	Manhole Covers Type J-Special	EACH	1
40.02	611.0624	Inlet Covers Type H	EACH	2
40.02	611.0627	Inlet Covers Type HM	EACH	2
40.02	611.2004	Manholes 4-FT Diameter	EACH	1
40.02	611.3004	Inlets 4-FT Diameter	EACH	1
40.02	611.3230	Inlets 2x3-FT	EACH	3
40.02	612.0106	Pipe Underdrain 6-Inch	LF	140
40.07	620.0300	Concrete Median Sloped Nose	SF	57
20.01	624.0100	Water	MGAL	1

STATION LOCATION: EAST WASHINGTON AVENUE AT MARQUETTE STREET CONTINUED				
SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.06	624.0100	Water	MGAL	1
40.07	624.0100	Water	MGAL	2
40.06	625.0105	Topsoil	CY	5
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	32
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.01
40.02	628.7015	Inlet Protection Type C	EACH	10
40.06	629.0210	Fertilizer Type B	CWT	0.02
40.06	630.0500	Seed Water	MGAL	1
40.06	645.0112	Geotextile Type DF Schedule B	SY	80
40.06	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	35
40.07	650.7000	Construction Staking Concrete Pavement	LF	480
40.06	650.9000	Construction Staking Curb Ramps	EACH	4
20.01	652.0615	Conduit Special 3-Inch	LF	69
20.01	656.0200.328	Electrical Service Meter Breaker Pedestal (Marquette)	LS	1
40.01	690.0250	Sawing Concrete	LF	700
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1
20.01	SPV.0060.312	Snow Melt System Shelter Type B2	EACH	1
20.01	SPV.0060.316	Shelter Photovoltaic System	EACH	1
20.01	SPV.0060.410	Reinforced Concrete Platform Type B2	EACH	1
20.01	SPV.0060.426	Platform Shelter Type B2	EACH	1
40.06	SPV.0060.504.08	Trees (Swamp White Oak, B&B, 2-IN)	EACH	1
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.12	Perennials & Native Grasses (Canada Anemone, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.14	Perennials & Native Grasses (Prairie Smoke, Potted, 1 GAL)	EACH	5
40.06	SPV.0060.507.15	Perennials & Native Grasses (June Grass, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.16	Perennials & Native Grasses (Jacob's Ladder, Potted, 1 GAL)	EACH	5
40.02	SPV.0060.613	Adjust Water Valve	EACH	1
40.02	SPV.0060.623	Remove Irrigation System	EACH	3
40.06	SPV.0085.501	Seeding	LB	1
40.07	SPV.0090.004	Concrete Curb & Gutter Integral 24-Inch Special	LF	72
40.07	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	40
40.07	SPV.0090.007	Concrete Curb Extension 24-Inch	LF	10
40.07	SPV.0090.011	Docking Guide Strip	LF	149
40.06	SPV.0090.019	Reinstall Salvaged Fence	LF	120
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	344
40.06	SPV.0090.401	Pedestrian Handrail	LF	40
40.02	SPV.0090.602	PVC Pipe 8-inch	LF	70
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	240

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60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

MISCELLANEOUS QUANTITIES

BUS RAPID TRANSIT

CITY OF MADISON



0631225P

MQ12-E

REVISÉ 2/22/2023 DJC

STATION LOCATION: EAST WASHINGTON AVENUE AT MELVIN COURT

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	204.0100	Removing Concrete Pavement	SY	900
40.01	204.0150	Removing Curb & Gutter	LF	74
40.01	204.0155	Removing Concrete Sidewalk	SY	82
40.01	204.0195	Removing Concrete Bases	EACH	1
40.02	204.0220	Removing Inlets	EACH	2
40.02	204.0245.04	Removing Storm Sewer - 24 inch	LF	30
40.01	205.0100	Excavation Common	CY	66
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	31
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	52
40.07	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	63
40.07	305.0130	Base Aggregate Dense 3-Inch	TON	100
40.07	405.1000	Stamping Colored Concrete	CY	14
10.03	415.0100	Concrete Pavement 10-Inch	SY	600
40.07	415.0100	Concrete Pavement 10-Inch	SY	25
10.03	415.4100	Concrete Pavement Joint Filling	SY	710
40.07	415.4100	Concrete Pavement Joint Filling	SY	39
10.03	416.0610	Drilled Tie Bars	EACH	200
40.07	416.0610	Drilled Tie Bars	EACH	33
10.03	416.0620	Drilled Dowel Bars	EACH	64
40.07	416.0620	Drilled Dowel Bars	EACH	26
40.02	520.8000	Concrete Collars for Pipe	EACH	2
40.07	601.0205	Concrete Gutter 24-Inch	LF	180
40.07	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	30
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	120
40.07	601.0454	Concrete Curb & Gutter Integral 30-Inch Type J	LF	60
40.07	601.0600	Concrete Curb Pedestrian	LF	12
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	400
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	710
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	90
40.02	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	120
40.02	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	30
40.02	611.0624	Inlet Covers Type H	EACH	1
40.02	611.0627	Inlet Covers Type HM	EACH	1
40.02	611.3004	Inlets 4-FT Diameter	EACH	1
40.02	611.3230	Inlets 2x3-FT	EACH	1
40.02	611.8115	Adjusting Inlet Covers	EACH	1
40.07	620.0300	Concrete Median Sloped Nose	SF	58
20.01	624.0100	Water	MGAL	1
40.06	624.0100	Water	MGAL	1
40.07	624.0100	Water	MGAL	1

STATION LOCATION: EAST WASHINGTON AVENUE AT MELVIN COURT CONTINUED

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.06	625.0105	Topsoil	CY	31
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	180
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.04
40.02	628.7015	Inlet Protection Type C	EACH	10
40.06	629.0210	Fertilizer Type B	CWT	0.12
40.06	630.0500	Seed Water	MGAL	4
40.07	650.7000	Construction Staking Concrete Pavement	LF	500
40.06	650.9000	Construction Staking Curb Ramps	EACH	5
20.01	652.0615	Conduit Special 3-Inch	LF	53
20.01	656.0200.329	Electrical Service Meter Breaker Pedestal (Melvin)	LS	1
40.01	690.0250	Sawing Concrete	LF	690
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
40.01	SPV.0060.243	Removing Street Lighting Assembly	EACH	1
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1
20.01	SPV.0060.312	Snow Melt System Shelter Type B2	EACH	1
20.01	SPV.0060.316	Shelter Photovoltaic System	EACH	1
20.01	SPV.0060.410	Reinforced Concrete Platform Type B2	EACH	1
20.01	SPV.0060.426	Platform Shelter Type B2	EACH	1
40.06	SPV.0060.501	Tree Protection	EACH	1
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.12	Perennials & Native Grasses (Canada Anemone, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.14	Perennials & Native Grasses (Prairie Smoke, Potted, 1 GAL)	EACH	5
40.06	SPV.0060.507.15	Perennials & Native Grasses (June Grass, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.16	Perennials & Native Grasses (Jacob's Ladder, Potted, 1 GAL)	EACH	5
40.02	SPV.0060.623	Remove Irrigation System	EACH	1
40.06	SPV.0085.501	Seeding	LB	3
40.07	SPV.0090.003	Concrete Curb & Gutter 24-Inch Type H Special	LF	45
40.07	SPV.0090.004	Concrete Curb & Gutter Integral 24-Inch Special	LF	120
40.07	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	54
40.07	SPV.0090.007	Concrete Curb Extension 24-Inch	LF	10
40.07	SPV.0090.011	Docking Guide Strip	LF	156
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	280
40.06	SPV.0090.401	Pedestrian Handrail	LF	54
40.02	SPV.0090.602	PVC Pipe 8-inch	LF	79
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	330



REVISED 2/22/2023 DJC



60631225P

MQ13-E

MISCELLANEOUS QUANTITIES

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

PLAN REVISION 1	DJC	BY
REVISION	DATE	Scale: NTS
1	2/22/2023	60631225P
Mark	Designed By: STRAND	

STATION LOCATION: EAST WASHINGTON AVENUE AT WRIGHT STREET AND FAIR OAKS AVENUE

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	201.0120	Clearing	ID	29
40.01	201.0220	Grubbing	ID	29
40.01	204.0100	Removing Concrete Pavement	SY	1240
40.01	204.0155	Removing Concrete Sidewalk	SY	42
40.02	204.0220	Removing Inlets	EACH	1
40.02	204.0245.01	Removing Storm Sewer - 12 inch or less	LF	16
40.01	205.0100	Excavation Common	CY	97
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	27
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	23
40.07	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	24
40.07	305.0130	Base Aggregate Dense 3-Inch	TON	13
40.07	405.1000	Stamping Colored Concrete	CY	12
10.03	415.0100	Concrete Pavement 10-Inch	SY	560
40.07	415.0100	Concrete Pavement 10-Inch	SY	570
10.03	415.4100	Concrete Pavement Joint Filling	SY	660
40.07	415.4100	Concrete Pavement Joint Filling	SY	590
10.03	416.0610	Drilled Tie Bars	EACH	29
40.07	416.0610	Drilled Tie Bars	EACH	210
10.03	416.0620	Drilled Dowel Bars	EACH	40
40.07	416.0620	Drilled Dowel Bars	EACH	62
40.02	520.8000	Concrete Collars for Pipe	EACH	2
40.07	601.0205	Concrete Gutter 24-Inch	LF	170
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	140
40.07	601.0454	Concrete Curb & Gutter Integral 30-Inch Type J	LF	60
40.07	601.0600	Concrete Curb Pedestrian	LF	10
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	120
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	380
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	60
40.02	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	16
40.02	611.0624	Inlet Covers Type H	EACH	1
40.02	611.3230	Inlets 2x3-FT	EACH	1
40.07	620.0300	Concrete Median Sloped Nose	SF	56
20.01	624.0100	Water	MGAL	1
40.06	624.0100	Water	MGAL	1

STATION LOCATION: EAST WASHINGTON AVENUE AT WRIGHT STREET AND FAIR OAKS AVENUE CONTINUED

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.07	624.0100	Water	MGAL	1
40.06	625.0105	Topsoil	CY	27
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	160
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.03
40.02	628.7015	Inlet Protection Type C	EACH	4
40.06	629.0210	Fertilizer Type B	CWT	0.1
40.06	630.0500	Seed Water	MGAL	4
40.07	650.7000	Construction Staking Concrete Pavement	LF	540
40.06	650.9000	Construction Staking Curb Ramps	EACH	3
20.01	652.0615	Conduit Special 3-Inch	LF	73
20.01	656.0200.330	Electrical Service Meter Breaker Pedestal (Fair Oaks)	LS	1
40.01	690.0250	Sawing Concrete	LF	730
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1
20.01	SPV.0060.311	Snow Melt System Shelter Type B1	EACH	1
20.01	SPV.0060.316	Shelter Photovoltaic System	EACH	1
20.01	SPV.0060.409	Reinforced Concrete Platform Type B1	EACH	1
20.01	SPV.0060.425	Platform Shelter Type B1	EACH	1
40.06	SPV.0060.501	Tree Protection	EACH	1
40.02	SPV.0060.613	Adjust Water Valve	EACH	2
40.06	SPV.0085.501	Seeding	LB	3
40.07	SPV.0090.004	Concrete Curb & Gutter Integral 24-Inch Special	LF	110
40.07	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	40
40.07	SPV.0090.007	Concrete Curb Extension 24-Inch	LF	10
40.07	SPV.0090.011	Docking Guide Strip	LF	150
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	270
40.06	SPV.0090.401	Pedestrian Handrail	LF	43
40.02	SPV.0090.602	PVC Pipe 8-inch	LF	140
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	200

REVISED 2/22/2023 DJC



60631225P
MQ14-E

MISCELLANEOUS QUANTITIES
BUS RAPID TRANSIT
CITY OF MADISON

60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C

PLAN/REVISION 1	DJC	BY
REVISION	DATE	Scale: NTS
1	2/22/2023	Mark
Designed By: STRAND	Date: 2/22/2023	60631225P

STATION LOCATION: WRIGHT STREET AT ANDERSON STREET WB				
SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	201.0120	Clearing	ID	6
40.01	201.0220	Grubbing	ID	6
40.01	204.0115	Removing Asphaltic Surface Butt Joints	SY	4
40.01	204.0120	Removing Asphaltic Surface Milling	SY	240
40.01	204.0150	Removing Curb & Gutter	LF	430
40.01	204.0155	Removing Concrete Sidewalk	SY	76
40.01	205.0100	Excavation Common	CY	310
40.01	208.0100	Borrow	CY	20
10.03	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	100
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	22
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	17
40.07	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	90
10.03	305.0130	Base Aggregate Dense 3-Inch	TON	62
40.07	305.0130	Base Aggregate Dense 3-Inch	TON	99
10.03	415.0100	Concrete Pavement 10-Inch	SY	140
10.03	415.4100	Concrete Pavement Joint Filling	SY	170
40.07	455.0605	Tack Coat	GAL	32
40.07	460.2000	Incentive Density HMA Pavement	DOL	70
40.07	460.6224	HMA Pavement 4 MT 58-28 S	TON	92
40.07	601.0205	Concrete Gutter 24-Inch	LF	85
40.07	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	23
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	49
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	730
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	1230
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	30
10.03	624.0100	Water	MGAL	3
20.01	624.0100	Water	MGAL	0.4
40.06	624.0100	Water	MGAL	0.3
40.07	624.0100	Water	MGAL	4
40.06	625.0105	Topsoil	CY	29
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	180
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.04
40.02	628.7015	Inlet Protection Type C	EACH	7
40.06	629.0210	Fertilizer Type B	CWT	0.1
40.06	630.0500	Seed Water	MGAL	4
40.07	650.5000	Construction Staking Base	LF	250
40.07	650.7000	Construction Staking Concrete Pavement	LF	130
20.01	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	193

STATION LOCATION: WRIGHT STREET AT ANDERSON STREET WB CONTINUED				
SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
20.01	652.0615	Conduit Special 3-Inch	LF	69
40.01	690.0150	Sawing Asphalt	LF	280
40.01	690.0250	Sawing Concrete	LF	26
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
40.06	SPV.0060.002	Concrete Curb & Gutter Bike Ramp Special	EACH	2
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1
20.01	SPV.0060.304	Snow Melt System Shelter Type A2	EACH	1
20.01	SPV.0060.316	Shelter Photovoltaic System	EACH	1
20.01	SPV.0060.402	Reinforced Concrete Platform Type A2	EACH	1
20.01	SPV.0060.418	Platform Shelter Type A2	EACH	1
40.06	SPV.0060.501	Tree Protection	EACH	1
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	7
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	6
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.12	Perennials & Native Grasses (Canada Anemone, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.13	Perennials & Native Grasses (Sky Blue Aster, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.14	Perennials & Native Grasses (Prairie Smoke, Potted, 1 GAL)	EACH	6
40.06	SPV.0060.507.15	Perennials & Native Grasses (June Grass, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.16	Perennials & Native Grasses (Jacob's Ladder, Potted, 1 GAL)	EACH	6
40.02	SPV.0060.609	Relocate Hydrant	EACH	1
40.06	SPV.0085.501	Seeding	LB	3
40.07	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	15
40.07	SPV.0090.007	Concrete Curb Extension 24-Inch	LF	10
40.07	SPV.0090.011	Docking Guide Strip	LF	70
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	258
20.01	SPV.0090.302	Electrical Wire Lighting 4/0 AWG	LF	630
40.06	SPV.0090.401	Pedestrian Handrail	LF	30
20.01	SPV.0105.305	Electrical Service CT Cabinet (Wright)	LS	1
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	140

2	PLAN REVISION 1	2/22/2023	DJC
1	ADDENDUM 3	11/14/2022	DJC
Mark	REVISION	DATE	BY
Designed By: STRAND		Scale: NTS	
60631225P		Date: 2/22/2023	

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

MISCELLANEOUS QUANTITIES

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

MQ15-E

 REVISED 2/22/2023 DJC

MENDOTA STREET BUS/BIKE CONNECTOR ROADWAY WORK				
SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	204.0100	Removing Concrete Pavement	SY	30
40.01	204.0115	Removing Asphaltic Surface Butt Joints	SY	18
40.01	204.0120	Removing Asphaltic Surface Milling	SY	480
40.01	204.0150	Removing Curb & Gutter	LF	390
40.01	204.0155	Removing Concrete Sidewalk	SY	130
40.01	205.0100	Excavation Common	CY	300
10.02	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	45
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	71
40.07	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	120
10.02	305.0130	Base Aggregate Dense 3-Inch	TON	49
40.07	305.0130	Base Aggregate Dense 3-Inch	TON	130
10.02	405.0100	Coloring Concrete WisDOT Red	CY	18
10.02	415.4100	Concrete Pavement Joint Filling	SY	97
40.06	455.0605	Tack Coat	GAL	10
40.07	455.0605	Tack Coat	GAL	57
40.06	460.2000	Incentive Density HMA Pavement	DOL	20
40.07	460.2000	Incentive Density HMA Pavement	DOL	80
40.07	460.6223	HMA Pavement 3 MT 58-28 S	TON	55
40.06	460.6224	HMA Pavement 4 MT 58-28 S	TON	23
40.07	460.6224	HMA Pavement 4 MT 58-28 S	TON	99
40.02	520.8000	Concrete Collars for Pipe	EACH	1
40.07	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	130
40.07	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	390
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	330
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	660
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	60
40.02	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	79
40.02	611.0624	Inlet Covers Type H	EACH	1
40.02	611.3230	Inlets 2x3-FT	EACH	1
40.02	611.8110	Adjusting Manhole Covers	EACH	2
40.02	611.8115	Adjusting Inlet Covers	EACH	1
10.02	624.0100	Water	MGAL	2
40.06	624.0100	Water	MGAL	1
40.07	624.0100	Water	MGAL	5
40.06	625.0105	Topsoil	CY	48
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	290
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.1
40.02	628.7015	Inlet Protection Type C	EACH	9
40.06	629.0210	Fertilizer Type B	CWT	0.2
40.06	630.0500	Seed Water	MGAL	2
40.07	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	310
40.07	650.7000	Construction Staking Concrete Pavement	LF	65
40.06	650.9000	Construction Staking Curb Ramps	EACH	2
40.01	690.0150	Sawing Asphalt	LF	280
40.01	690.0250	Sawing Concrete	LF	55
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
40.06	SPV.0060.504.16	Trees (Flowering Crabapple, B&B, 2-IN)	EACH	1
40.06	SPV.0060.504.17	Trees (Prairie Fire Crabapple, B&B, 2-IN)	EACH	3
40.02	SPV.0060.618	Sanitary Sewer Tap	EACH	1
40.06	SPV.0085.501	Seeding	LB	5

60631225P	CITY OF MADISON, DANE COUNTY, WI	CONTRACT NO: 60631225C		PLAN REVISION 1	DJC
				ADDENDUM 3	DJC
				REVISION	DATE
2	1	Mark	Designed By: STRAND	Scale: NTS	2/22/2023
			60631225P		
MISCELLANEOUS QUANTITIES			CITY OF MADISON		
BUS RAPID TRANSIT					
60631225P			MQ17-E		

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LAST PLOT DATE: 2/22/2023
FILE NAME:

STATION LOCATION: EAST WASHINGTON AVENUE AT MENDOTA STREET EB

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	201.0120	Clearing	ID	42
40.01	201.0220	Grubbing	ID	42
40.01	204.0100	Removing Concrete Pavement	SY	490
40.01	204.0150	Removing Curb & Gutter	LF	30
40.01	204.0155	Removing Concrete Sidewalk	SY	140
40.01	204.0195	Removing Concrete Bases	EACH	1
40.01	204.9090.S.02	Removing Pedestrian Handrail	LF	95
40.01	205.0100	Excavation Common	CY	130
40.01	208.0100	Borrow	CY	48
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	22
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	79
10.03	415.0100	Concrete Pavement 10-Inch	SY	280
10.03	415.4100	Concrete Pavement Joint Filling	SY	340
40.07	416.0170	Concrete Driveway 7-Inch	SY	19
10.03	416.0610	Drilled Tie Bars	EACH	114
10.03	416.0620	Drilled Dowel Bars	EACH	47
10.03	455.0605	Tack Coat	GAL	0.4
40.06	460.2000	Incentive Density HMA Pavement	DOL	1
40.07	460.6224	HMA Pavement 4 MT 58-28 S	TON	2
40.07	601.0205	Concrete Gutter 24-Inch	LF	75
40.07	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	14
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	150
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	1190
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	1750
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	70
20.01	624.0100	Water	MGAL	0.4
40.06	624.0100	Water	MGAL	2
40.06	625.0105	Topsoil	CY	29
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	170
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.04
40.02	628.7015	Inlet Protection Type C	EACH	2
40.06	629.0210	Fertilizer Type B	CWT	0.1
40.06	630.0500	Seed Water	MGAL	4
40.07	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	13
40.07	650.7000	Construction Staking Concrete Pavement	LF	300
40.06	650.9000	Construction Staking Curb Ramps	EACH	2
20.01	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	99
20.01	656.0200.332	Electrical Service Meter Breaker Pedestal (Mendota EB)	LS	1

STATION LOCATION: EAST WASHINGTON AVENUE AT MENDOTA STREET EB CONTINUED

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	690.0150	Sawing Asphalt	LF	27
40.01	690.0250	Sawing Concrete	LF	350
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
40.06	SPV.0060.002	Concrete Curb & Gutter Bike Ramp Special	EACH	1
40.06	SPV.0060.005	Coring Existing Sidewalk for New Railing	EACH	20
40.01	SPV.0060.243	Removing Street Lighting Assembly	EACH	1
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1
20.01	SPV.0060.303	Snow Melt System Shelter Type A1	EACH	1
20.01	SPV.0060.316	Shelter Photovoltaic System	EACH	1
20.01	SPV.0060.401	Reinforced Concrete Platform Type A1	EACH	1
20.01	SPV.0060.417	Platform Shelter Type A1	EACH	1
40.06	SPV.0060.504.13	Trees (Princeton Elm, B&B, 2-IN)	EACH	1
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	7
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	6
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.12	Perennials & Native Grasses (Canada Anemone, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.13	Perennials & Native Grasses (Sky Blue Aster, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.14	Perennials & Native Grasses (Prairie Smoke, Potted, 1 GAL)	EACH	6
40.06	SPV.0060.507.15	Perennials & Native Grasses (June Grass, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.16	Perennials & Native Grasses (Jacob's Ladder, Potted, 1 GAL)	EACH	6
40.06	SPV.0085.501	Seeding	LB	3
40.07	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	15
40.07	SPV.0090.011	Docking Guide Strip	LF	70
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	464
40.06	SPV.0090.401	Pedestrian Handrail	LF	107
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	110

REVISED 2/22/2023 DJC

		PLAN REVISION 1	DJC	2/22/2023
		ADDENDUM 3	DJC	11/14/2022
		REVISION	DATE	BY
		Mark	Date:	Scale: NTS
		Designed By: STRAND	60631225P	2/22/2023

MISCELLANEOUS QUANTITIES

60631225P

CITY OF MADISON, DANE COUNTY, WI

BUS RAPID TRANSIT

CITY OF MADISON

CONTRACT NO: 60631225C



STATION LOCATION: EAST WASHINGTON AVENUE AT THIERER ROAD - PORTAGE AVENUE WB

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	201.0120	Clearing	ID	22
40.01	201.0220	Grubbing	ID	22
40.01	204.0100	Removing Concrete Pavement	SY	230
40.01	204.0155	Removing Concrete Sidewalk	SY	72
40.01	204.0195	Removing Concrete Bases	EACH	1
40.02	204.0220	Removing Inlets	EACH	2
40.02	204.0245.01	Removing Storm Sewer - 12 inch or less	LF	45
40.01	205.0100	Excavation Common	CY	110
40.07	209.0300.S	Backfill Course Aggregate Size No. 1	CY	6
40.07	210.1100	Backfill Structure Type A	CY	79
10.03	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	38
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	22
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	11
10.03	305.0130	Base Aggregate Dense 3-Inch	TON	42
10.03	405.0100	Coloring Concrete WisDOT Red	CY	43
10.03	415.0100	Concrete Pavement 10-Inch	SY	98
10.03	415.4100	Concrete Pavement Joint Filling	SY	320
10.03	416.0610	Drilled Tie Bars	EACH	87
10.03	416.0620	Drilled Dowel Bars	EACH	21
40.07	455.0605	Tack Coat	GAL	3
40.07	460.2000	Incentive Density HMA Pavement	DOL	6
40.07	460.6224	HMA Pavement 4 MT 58-28 S	TON	7
40.02	520.8000	Concrete Collars for Pipe	EACH	1
40.07	601.0205	Concrete Gutter 24-Inch	LF	75
40.07	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	21
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	140
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	800
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	95
40.02	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	16
40.02	611.3230	Inlets 2x3-FT	EACH	2
40.02	611.9710	Salvaged Inlet Covers	EACH	2
40.02	612.0106	Pipe Underdrain 6-Inch	LF	210
10.03	624.0100	Water	MGAL	2
20.01	624.0100	Water	MGAL	0.2
40.06	624.0100	Water	MGAL	0.4
40.06	625.0105	Topsoil	CY	15
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1

STATION LOCATION: EAST WASHINGTON AVENUE AT THIERER ROAD - PORTAGE AVENUE WB CONTINUED

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	92
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.02
40.02	628.7015	Inlet Protection Type C	EACH	5
40.06	629.0210	Fertilizer Type B	CWT	0.1
40.06	630.0500	Seed Water	MGAL	2
40.06	645.0112	Geotextile Type DF Schedule B	SY	120
40.07	650.7000	Construction Staking Concrete Pavement	LF	220
20.01	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	93
20.01	656.0200.335	Electrical Service Meter Breaker Pedestal (Portage)	LS	1
40.01	690.0150	Sawing Asphalt	LF	100
40.01	690.0250	Sawing Concrete	LF	260
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
40.01	SPV.0060.243	Removing Street Lighting Assembly	EACH	1
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1
20.01	SPV.0060.303	Snow Melt System Shelter Type A1	EACH	1
20.01	SPV.0060.316	Shelter Photovoltaic System	EACH	1
20.01	SPV.0060.401	Reinforced Concrete Platform Type A1	EACH	1
20.01	SPV.0060.417	Platform Shelter Type A1	EACH	1
40.06	SPV.0060.504.04	Trees (Hackberry, B&B, 2-IN)	EACH	1
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	7
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	6
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.12	Perennials & Native Grasses (Canada Anemone, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.13	Perennials & Native Grasses (Sky Blue Aster, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.14	Perennials & Native Grasses (Prairie Smoke, Potted, 1 GAL)	EACH	6
40.06	SPV.0060.507.15	Perennials & Native Grasses (June Grass, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.16	Perennials & Native Grasses (Jacob's Ladder, Potted, 1 GAL)	EACH	6
40.06	SPV.0085.501	Seeding	LB	2
40.07	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	15
40.07	SPV.0090.011	Docking Guide Strip	LF	78
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	440
40.05	SPV.0090.402	Railing Steel Special	LF	128
40.02	SPV.0090.602	PVC Pipe 8-inch	LF	70
40.05	SPV.0165.402	Wall Modular Block Gravity Landscape (Portage)	SF	450

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

MISCELLANEOUS QUANTITIES

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

MQ20-E

PLAN REVISION 1

REVISION

DATE

BY

1

Mark

2/22/2023

60631225P

Scale: NTS

FILE NAME

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LAST PLOT DATE: 2/22/2023

STATION LOCATION: EAST WASHINGTON AVENUE AT INDEPENDENCE LANE WB

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	201.0120	Clearing	ID	13
40.01	201.0220	Grubbing	ID	13
40.01	204.0100	Removing Concrete Pavement	SY	760
40.01	204.0115	Removing Asphaltic Surface Butt Joints	SY	10
40.01	204.0120	Removing Asphaltic Surface Milling	SY	220
40.01	204.0150	Removing Curb & Gutter	LF	330
40.01	204.0155	Removing Concrete Sidewalk	SY	190
40.01	204.0195	Removing Concrete Bases	EACH	2
40.01	204.9090.S.01	Removing Retaining Wall and Railing	LF	160
40.01	205.0100	Excavation Common	CY	170
40.01	208.0100	Borrow	CY	79
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	22
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	130
40.07	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	13
40.07	305.0130	Base Aggregate Dense 3-Inch	TON	37
10.02	405.0100	Coloring Concrete WisDOT Red	CY	35
40.07	405.1000	Stamping Colored Concrete	CY	2
10.02	415.0100	Concrete Pavement 10-Inch	SY	120
40.07	415.0100	Concrete Pavement 10-Inch	SY	250
10.02	415.4100	Concrete Pavement Joint Filling	SY	350
40.07	415.4100	Concrete Pavement Joint Filling	SY	320
10.02	416.0610	Drilled Tie Bars	EACH	217
10.02	416.0620	Drilled Dowel Bars	EACH	141
40.07	455.0605	Tack Coat	GAL	16
40.07	460.2000	Incentive Density HMA Pavement	DOL	20
40.07	460.5224	HMA Pavement 4 LT 58-28 S	TON	25
40.02	520.8000	Concrete Collars for Pipe	EACH	3
40.07	601.0205	Concrete Gutter 24-Inch	LF	75
40.07	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	43
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	170
40.07	601.0600	Concrete Curb Pedestrian	LF	40
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	1250
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	2370
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	110
40.02	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	5
40.02	611.0535	Manhole Covers Type J-Special	EACH	1
40.02	611.3230	Inlets 2x3-FT	EACH	1
40.02	611.8110	Adjusting Manhole Covers	EACH	2
40.02	611.8115	Adjusting Inlet Covers	EACH	1
40.02	611.9710	Salvaged Inlet Covers	EACH	1
40.07	620.0300	Concrete Median Sloped Nose	SF	43
10.02	624.0100	Water	MGAL	1
20.01	624.0100	Water	MGAL	0.4
40.06	624.0100	Water	MGAL	3
40.06	625.0105	Topsoil	CY	67
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	400
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.1
40.02	628.7015	Inlet Protection Type C	EACH	11
40.06	629.0210	Fertilizer Type B	CWT	0.3
40.06	630.0500	Seed Water	MGAL	10
40.07	650.7000	Construction Staking Concrete Pavement	LF	370
40.06	650.9000	Construction Staking Curb Ramps	EACH	7
20.01	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	19

STATION LOCATION: EAST WASHINGTON AVENUE AT INDEPENDENCE LANE WB CONTINUED

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
20.01	652.0615	Conduit Special 3-Inch	LF	176
40.01	690.0150	Sawing Asphalt	LF	15
40.01	690.0250	Sawing Concrete	LF	780
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
40.06	SPV.0060.002	Concrete Curb & Gutter Bike Ramp Special	EACH	1
20.01	SPV.0060.201	Install Electrical Pull Box Type I	EACH	1
40.01	SPV.0060.243	Removing Street Lighting Assembly	EACH	2
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1
20.01	SPV.0060.303	Snow Melt System Shelter Type A1	EACH	1
20.01	SPV.0060.316	Shelter Photovoltaic System	EACH	1
20.01	SPV.0060.401	Reinforced Concrete Platform Type A1	EACH	1
20.01	SPV.0060.417	Platform Shelter Type A1	EACH	1
40.06	SPV.0060.504.02	Trees (Autumn Blaze Freeman Maple, B&B, 2-IN)	EACH	1
40.06	SPV.0060.504.05	Trees (Kentucky Coffee Tree, B&B, 2-IN)	EACH	2
40.06	SPV.0060.504.06	Trees (Skyline Thornless Honey Locust, B&B, 2-IN)	EACH	1
40.06	SPV.0060.504.08	Trees (Swamp White Oak, B&B, 2-IN)	EACH	2
40.06	SPV.0060.504.09	Trees (Chinquapin Oak, B&B, 2-IN)	EACH	2
40.06	SPV.0060.504.11	Trees (American Sentry Linden, B&B, 2-IN)	EACH	3
40.06	SPV.0060.504.13	Trees (Princeton Elm, B&B, 2-IN)	EACH	2
40.06	SPV.0060.504.15	Trees ('Autumn Brilliance' Apple Serviceberry, B&B, 2-IN)	EACH	1
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	7
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	6
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.12	Perennials & Native Grasses (Canada Anemone, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.13	Perennials & Native Grasses (Sky Blue Aster, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.14	Perennials & Native Grasses (Prairie Smoke, Potted, 1 GAL)	EACH	6
40.06	SPV.0060.507.15	Perennials & Native Grasses (June Grass, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.16	Perennials & Native Grasses (Jacob's Ladder, Potted, 1 GAL)	EACH	6
40.02	SPV.0060.606	Storm Sewer Tap	EACH	3
40.02	SPV.0060.611	Inlet Cover R-1878-B7G	EACH	1
40.02	SPV.0060.613	Adjust Water Valve	EACH	4
40.02	SPV.0060.621	Sewer Cleanout	EACH	1
40.07	SPV.0060.633	Adjust MMSD Special	EACH	1
40.06	SPV.0085.501	Seeding	LB	7
40.07	SPV.0090.003	Concrete Curb & Gutter 24-Inch Type H Special	LF	240
40.07	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	15
40.07	SPV.0090.011	Docking Guide Strip	LF	80
20.01	SPV.0090.302	Electrical Wire Lighting 4/0 AWG	LF	856
40.07	SPV.0090.402	Railing Steel Special	LF	185
40.02	SPV.0090.602	PVC Pipe 8-inch	LF	120
40.02	SPV.0090.612	PVC Pipe 12-inch	LF	23
40.05	SPV.0165.403	Wall Modular Block Gravity Landscape (Independence)	SF	650

REVISED 2/22/2023 DJC

2/22/2023	DJC
PLAN REVISION 1	
12/6/2022	CTL
ADDENDUM 6	
11/2/2022	DJC
ADDENDUM 3	
REVISION	
DATE	
Mark	
Designed By: STRAND	
60631225P	

60631225P	CITY OF MADISON, DANE COUNTY, WI	CONTRACT NO: 60631225C
MISCELLANEOUS QUANTITIES	BUS RAPID TRANSIT	CITY OF MADISON



60631225P
MQ22-E

STATION LOCATION: EAST WASHINGTON AVENUE AT INDEPENDENCE LANE EB

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	201.0120	Clearing	ID	15
40.01	201.0220	Grubbing	ID	15
40.01	204.0100	Removing Concrete Pavement	SY	510
40.01	204.0115	Removing Asphaltic Surface Butt Joints	SY	3
40.01	204.0120	Removing Asphaltic Surface Milling	SY	58
40.01	204.0150	Removing Curb & Gutter	LF	47
40.01	204.0155	Removing Concrete Sidewalk	SY	89
40.01	204.0195	Removing Concrete Bases	EACH	2
40.01	205.0100	Excavation Common	CY	120
40.01	208.0100	Borrow	CY	46
40.07	209.0300.S	Backfill Course Aggregate Size No. 1	CY	6
10.02	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	26
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	79
10.02	305.0130	Base Aggregate Dense 3-Inch	TON	10
10.02	405.0100	Coloring Concrete WisDOT Red	CY	47
10.02	415.0100	Concrete Pavement 10-Inch	SY	160
10.02	415.4100	Concrete Pavement Joint Filling	SY	427
10.02	416.0610	Drilled Tie Bars	EACH	117
10.02	416.0620	Drilled Dowel Bars	EACH	49
40.07	455.0605	Tack Coat	GAL	4
40.07	460.2000	Incentive Density HMA Pavement	DOL	7
40.07	460.6223	HMA Pavement 3 MT 58-28 S	TON	1
40.07	460.6224	HMA Pavement 4 MT 58-28 S	TON	7
40.02	520.8000	Concrete Collars for Pipe	EACH	2
40.07	601.0205	Concrete Gutter 24-Inch	LF	75
40.07	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	37
40.07	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	6
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	130
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	1290
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	1540
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	62
40.02	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	8
40.02	611.3004	Inlets 4-FT Diameter	EACH	1
40.02	611.9710	Salvaged Inlet Covers	EACH	1
40.02	612.0106	Pipe Underdrain 6-Inch	LF	200
10.02	624.0100	Water	MGAL	1
40.06	624.0100	Water	MGAL	2
40.06	625.0105	Topsoil	CY	71
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1

STATION LOCATION: EAST WASHINGTON AVENUE AT INDEPENDENCE LANE EB CONTINUED

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	430
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.1
40.02	628.7015	Inlet Protection Type C	EACH	5
40.06	629.0210	Fertilizer Type B	CWT	0.3
40.06	630.0500	Seed Water	MGAL	10
40.06	645.0112	Geotextile Type DF Schedule B	SY	110
40.07	650.7000	Construction Staking Concrete Pavement	LF	250
40.06	650.9000	Construction Staking Curb Ramps	EACH	4
20.01	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	63
20.01	652.0615	Conduit Special 3-Inch	LF	165
40.01	690.0150	Sawing Asphalt	LF	11
40.01	690.0250	Sawing Concrete	LF	400
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
40.06	SPV.0060.002	Concrete Curb & Gutter Bike Ramp Special	EACH	1
20.01	SPV.0060.201	Install Electrical Pull Box Type I	EACH	1
40.01	SPV.0060.243	Removing Street Lighting Assembly	EACH	2
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1
20.01	SPV.0060.303	Snow Melt System Shelter Type A1	EACH	1
20.01	SPV.0060.316	Shelter Photovoltaic System	EACH	1
20.01	SPV.0060.401	Reinforced Concrete Platform Type A1	EACH	1
20.01	SPV.0060.417	Platform Shelter Type A1	EACH	1
40.06	SPV.0060.501	Tree Protection	EACH	1
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	7
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	6
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.12	Perennials & Native Grasses (Canada Anemone, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.13	Perennials & Native Grasses (Sky Blue Aster, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.14	Perennials & Native Grasses (Prairie Smoke, Potted, 1 GAL)	EACH	6
40.06	SPV.0060.507.15	Perennials & Native Grasses (June Grass, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.16	Perennials & Native Grasses (Jacob's Ladder, Potted, 1 GAL)	EACH	6
40.02	SPV.0060.606	Storm Sewer Tap	EACH	2
40.02	SPV.0060.611	Inlet Cover R-1878-B7G	EACH	1
40.02	SPV.0060.613	Adjust Water Valve	EACH	1
40.06	SPV.0085.501	Seeding	LB	8
40.07	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	15
40.07	SPV.0090.011	Docking Guide Strip	LF	83
20.01	SPV.0090.302	Electrical Wire Lighting 4/0 AWG	LF	988
40.06	SPV.0090.401	Pedestrian Handrail	LF	32
40.02	SPV.0090.602	PVC Pipe 8-inch	LF	122
20.01	SPV.0105.306	Electrical Service CT Cabinet (Independence)	LS	1
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	110

REVISED 2/22/2023 DJC

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

MISCELLANEOUS QUANTITIES

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

MQ23-E

PLAN REVISION 1

2/22/2023

DJC

REVISION 3

11/17/2022

DJC

BY

Mark

Designed By: STRAND

60631225P

Date: 2/22/2023

Scale: NTS

FILE NAME

C:\OneDrive\AECOM\City of Madison BRT Quantities - Cons Quantities\Madison BRT MQ Plan Sheets.pptx

LAST PLOT DATE: 2/22/2023

STATION LOCATION: EAST WASHINGTON AVENUE AT EAST SPRINGS DRIVE WB

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	201.0120	Clearing	ID	9
40.01	201.0220	Grubbing	ID	9
40.01	204.0100	Removing Concrete Pavement	SY	950
40.01	204.0150	Removing Curb & Gutter	LF	88
40.01	204.0155	Removing Concrete Sidewalk	SY	200
40.01	204.0195	Removing Concrete Bases	EACH	2
40.01	205.0100	Excavation Common	CY	260
40.01	208.0100	Borrow	CY	170
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	22
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	140
10.02	405.0100	Coloring Concrete WisDOT Red	CY	100
10.02	415.0100	Concrete Pavement 10-Inch	SY	180
10.02	415.4100	Concrete Pavement Joint Filling	SY	550
10.02	416.0610	Drilled Tie Bars	EACH	200
40.07	416.0610	Drilled Tie Bars	EACH	35
10.02	416.0620	Drilled Dowel Bars	EACH	25
40.06	455.0605	Tack Coat	GAL	15
40.06	460.2000	Incentive Density HMA Pavement	DOL	40
40.06	460.5224	HMA Pavement 4 LT 58-28 S	TON	47
40.07	601.0205	Concrete Gutter 24-Inch	LF	75
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	390
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	810
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	1750
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	80
20.01	624.0100	Water	MGAL	0.4
40.06	624.0100	Water	MGAL	3
40.06	625.0105	Topsoil	CY	190
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	1160
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.2
40.02	628.7015	Inlet Protection Type C	EACH	2
40.06	629.0210	Fertilizer Type B	CWT	1
40.06	630.0500	Seed Water	MGAL	28
40.07	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	86
40.07	650.7000	Construction Staking Concrete Pavement	LF	510

STATION LOCATION: EAST WASHINGTON AVENUE AT EAST SPRINGS DRIVE WB CONTINUED

SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.06	650.9000	Construction Staking Curb Ramps	EACH	4
20.01	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	12
20.01	656.0200.339	Electrical Service Meter Breaker Pedestal (WB E Springs)	LS	1
40.01	690.0250	Sawing Concrete	LF	560
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
40.06	SPV.0060.002	Concrete Curb & Gutter Bike Ramp Special	EACH	1
40.01	SPV.0060.243	Removing Street Lighting Assembly	EACH	2
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1
20.01	SPV.0060.303	Snow Melt System Shelter Type A1	EACH	1
20.01	SPV.0060.316	Shelter Photovoltaic System	EACH	1
20.01	SPV.0060.401	Reinforced Concrete Platform Type A1	EACH	1
20.01	SPV.0060.417	Platform Shelter Type A1	EACH	1
40.06	SPV.0060.504.03	Trees (State Street Miyabe Maple, B&B, 2-IN)	EACH	3
40.06	SPV.0060.504.08	Trees (Swamp White Oak, B&B, 2-IN)	EACH	1
40.06	SPV.0060.504.11	Trees (American Sentry Linden, B&B, 2-IN)	EACH	3
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	7
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	6
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.12	Perennials & Native Grasses (Canada Anemone, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.13	Perennials & Native Grasses (Sky Blue Aster, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.14	Perennials & Native Grasses (Prairie Smoke, Potted, 1 GAL)	EACH	6
40.06	SPV.0060.507.15	Perennials & Native Grasses (June Grass, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.16	Perennials & Native Grasses (Jacob's Ladder, Potted, 1 GAL)	EACH	6
40.06	SPV.0085.501	Seeding	LB	21
40.07	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	15
40.07	SPV.0090.011	Docking Guide Strip	LF	85
40.06	SPV.0090.018	Concrete Curb & Gutter 24-Inch Type A	LF	86
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	116

REVISED 2/22/2023 DJC

		2/22/2023	DJC	
	PLAN REVISION 1			
	ADDENDUM 3	11/3/2022	DJC	
	REVISION		DATE	BY
	Mark			
	Designed By: STRAND			
	60631225P			
				Scale: NTS

60631225P	CITY OF MADISON, DANE COUNTY, WI	CONTRACT NO: 60631225C
MISCELLANEOUS QUANTITIES	BUS RAPID TRANSIT	CITY OF MADISON



60631225P
MQ24-E

STATION LOCATION: EAST WASHINGTON AVENUE AT EAST SPRINGS STREET EB				
SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	201.0120	Clearing	ID	6
40.01	201.0220	Grubbing	ID	6
40.01	204.0100	Removing Concrete Pavement	SY	660
40.01	204.0110	Removing Asphaltic Surface	SY	91
40.01	204.0115	Removing Asphaltic Surface Butt Joints	SY	7
40.01	204.0155	Removing Concrete Sidewalk	SY	22
40.01	204.0195	Removing Concrete Bases	EACH	1
40.01	205.0100	Excavation Common	CY	140
40.01	208.0100	Borrow	CY	110
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	22
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	94
40.07	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	12
40.07	305.0130	Base Aggregate Dense 3-Inch	TON	14
10.03	415.0100	Concrete Pavement 10-Inch	SY	350
10.03	415.4100	Concrete Pavement Joint Filling	SY	441
10.03	416.0610	Drilled Tie Bars	EACH	110
10.03	416.0620	Drilled Dowel Bars	EACH	59
40.07	455.0605	Tack Coat	GAL	7
40.07	460.2000	Incentive Density HMA Pavement	DOL	10
40.07	460.6224	HMA Pavement 4 MT 58-28 S	TON	12
40.07	601.0205	Concrete Gutter 24-Inch	LF	85
40.07	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	60
40.07	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	154
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	1300
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	2090
40.06	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	75
40.06	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	24
20.01	624.0100	Water	MGAL	0.4
40.06	624.0100	Water	MGAL	2
40.06	625.0105	Topsoil	CY	99
40.08	628.1905	Mobilizations Erosion Control	EACH	1
40.08	628.1910	Mobilizations Emergency Erosion Control	EACH	1
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	590
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.1
40.02	628.7015	Inlet Protection Type C	EACH	1
40.06	629.0210	Fertilizer Type B	CWT	0.4
40.06	630.0500	Seed Water	MGAL	14
40.07	650.7000	Construction Staking Concrete Pavement	LF	520
40.06	650.9000	Construction Staking Curb Ramps	EACH	4
20.01	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	25

STATION LOCATION: EAST WASHINGTON AVENUE AT EAST SPRINGS STREET EB CONTINUED				
SCC CODE	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
20.01	656.0200.338	Electrical Service Meter Breaker Pedestal (EB E Springs)	LS	1
40.01	690.0150	Sawing Asphalt	LF	75
40.01	690.0250	Sawing Concrete	LF	400
40.06	SPV.0060.001	Construction Staking Sidewalk	EACH	1
40.06	SPV.0060.002	Concrete Curb & Gutter Bike Ramp Special	EACH	1
40.01	SPV.0060.243	Removing Street Lighting Assembly	EACH	1
20.01	SPV.0060.301	Platform Electrical Cabinet	EACH	1
20.01	SPV.0060.302	Platform Communication Cabinet	EACH	1
20.01	SPV.0060.304	Snow Melt System Shelter Type A2	EACH	1
20.01	SPV.0060.316	Shelter Photovoltaic System	EACH	1
20.01	SPV.0060.402	Reinforced Concrete Platform Type A2	EACH	1
20.01	SPV.0060.418	Platform Shelter Type A2	EACH	1
40.06	SPV.0060.504.01	Trees (Early Glow Buckeye, B&B, 2-IN)	EACH	1
40.06	SPV.0060.504.04	Trees (Hackberry, B&B, 2-IN)	EACH	1
40.06	SPV.0060.504.07	Trees (Exclamation London Planetree, B&B, 2-IN)	EACH	1
40.06	SPV.0060.504.13	Trees (Princeton Elm, B&B, 2-IN)	EACH	2
40.06	SPV.0060.507.01	Perennials & Native Grasses (Butterfly Milkweed, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.02	Perennials & Native Grasses (Sand Coreopsis, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.03	Perennials & Native Grasses (Purple Prairie Clover, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.04	Perennials & Native Grasses (Purple Coneflower, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.05	Perennials & Native Grasses (Blazing Star, Potted, 1 GAL)	EACH	7
40.06	SPV.0060.507.08	Perennials & Native Grasses (Black-eyed Susan, Potted, 1 GAL)	EACH	6
40.06	SPV.0060.507.11	Perennials & Native Grasses (Prairie Dropseed, Potted, 1 GAL)	EACH	2
40.06	SPV.0060.507.12	Perennials & Native Grasses (Canada Anemone, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.13	Perennials & Native Grasses (Sky Blue Aster, Potted, 1 GAL)	EACH	3
40.06	SPV.0060.507.14	Perennials & Native Grasses (Prairie Smoke, Potted, 1 GAL)	EACH	6
40.06	SPV.0060.507.15	Perennials & Native Grasses (June Grass, Potted, 1 GAL)	EACH	4
40.06	SPV.0060.507.16	Perennials & Native Grasses (Jacob's Ladder, Potted, 1 GAL)	EACH	6
40.06	SPV.0085.501	Seeding	LB	11
40.01	SPV.0090.006	Concrete Curb Extension 6-Inch	LF	15
40.07	SPV.0090.007	Concrete Curb Extension 24-Inch	LF	10
40.07	SPV.0090.011	Docking Guide Strip	LF	70
20.01	SPV.0090.301	Electrical Wire Lighting 3/0 AWG	LF	168

REVISED 2/22/2023 DJC

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

MISCELLANEOUS QUANTITIES

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

MQ25-E

PLAN REVISION 1

ADDENDUM 3

REVISION

Mark

Designed By: STRAND

60631225P

2

1

1

2/22/2023

11/7/2022

DATE

BY

Scale: NTS

2/22/2023

DJC

FILE NAME

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LAST PLOT DATE - 2/22/2023

HANSON ROAD				
SCC Code	ITEM NUMBER	DESCRIPTION	UNITS	QUANTITY
40.01	201.0105	Clearing	STA	7.00
40.01	201.0120	Clearing	ID	2.00
40.01	201.0205	Grubbing	STA	7.00
40.01	201.0220	Grubbing	ID	2.00
40.01	204.0155	Removing Concrete Sidewalk	SY	15.00
40.02	204.0245.03	Removing Storm Sewer - 18 inch	LF	14.00
40.01	205.0100	Excavation Common	CY	750.00
40.01	208.1100	Select Borrow	CY	237.00
40.06	305.0110	Base Aggregate Dense 3/4-Inch	TON	1.00
20.01	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	27.00
40.06	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	407.00
20.01	305.0130	Base Aggregate Dense 3-Inch	TON	29.00
40.06	305.0130	Base Aggregate Dense 3-Inch	TON	383.00
40.07	415.0110	Concrete Pavement 11-Inch	SY	1030.00
40.06	415.4100	Concrete Pavement Joint Filling	SY	1039.00
40.02	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	1.00
40.06	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	32.00
40.06	602.0410	Concrete Sidewalk 5-Inch	SF	3570.00
40.06	602.0420	Concrete Sidewalk 7-Inch	SF	400.00
40.02	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	57.00
40.02	611.8115	Adjusting Inlet Covers	EACH	1.00
40.06	624.0100	Water	MGAL	16.90
40.06	625.0100	Topsoil	SY	910.00
40.06	628.2006	Erosion Mat Urban Class I Type A	SY	910.00
40.06	628.6505	Soil Stabilizer Type A	ACRE	0.19
40.06	629.0210	Fertilizer Type B	CWT	0.51
40.06	630.0500	Seed Water	MGAL	20.40
40.07	650.7000	Construction Staking Concrete Pavement	LF	110.00
40.01	690.0150	Sawing Asphalt	LF	490.00
40.07	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	310.00
20.01	SPV.0060.410	Reinforced Concrete Platform Type B2	EACH	1.00
40.02	SPV.0060.613	Adjust Water Valve	EACH	3.00
40.06	SPV.0085.501	Seeding	LB	16.30
40.06	SPV.0090.007	Concrete Curb Extension 24-Inch	LF	60.00
40.07	SPV.0090.011	Docking Guide Strip	LF	180.00
40.06	SPV.0090.401	Pedestrian Handrail	LF	36.00
40.06	SPV.0165.401	Concrete Sloped Walkway	SF	90.00

60631225P

MISCELLANEOUS QUANTITIES



60631225P

CITY OF MADISON, DANE COUNTY, WI

BUS RAPID TRANSIT

60631225P

MQ-41

CONTRACT NO: 60631225C

60631225P

PLAN REVISION 1

REVISION

Mark

Designed By: AECOM

60631225P

3/20/23

DATE

BY

ALM

Scale: NTS

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LAST PLOT DATE: 3/20/2023

FILE NAME

TRAFFIC SIGNAL EQUIPMENT

SPV.0060.273 SPV.0060.274 SPV.0060.280 SPV.0060.277 SPV.0060.209 SPV.0060.211 SPV.0060.213 SPV.0060.216 SPV.0060.217 SPV.0060.219 SPV.0060.228 SPV.0060.279 SPV.0060.241													
Install Transformer Bases Breakaway		Install Traffic Signal Standards Aluminum 13-FT		Install Pole 20-Foot 7 Gauge		Install Pole 30-Foot 7 Gauge Twin Mount		Install Pole 30-Foot 11 Gauge Twin Mount		Install Traffic Signal Trombone Arm 15-Foot		Install Traffic Signal Trombone Arm 20-Foot	
Signal Install Pedestal 11 1/2-Inch Bolt		Signal Standards Aluminum 10-FT		Signal Standards Aluminum 13-FT		Signal Standards Aluminum 13-FT		Signal Standards Aluminum 13-FT		Signal Standards Aluminum 13-FT		Signal Standards Aluminum 13-FT	
BASE NO.		Bases EACH		Circle EACH		Aluminum 10-FT EACH		Aluminum 13-FT EACH		Aluminum 13-FT EACH		Aluminum 13-FT EACH	
SB1				1				1		1			
SB2				1						1			
SB3		1						1					
SB4		1				1							
SB5		1						1					
SB6				1				1		1			
SB7				1				1				1	
SB8		1						1					
SB9				1				1		1			
SB10		1						1				1	
SB11				1				1				1	
SB12				1				1				1	
SB13		1						1				1	
SB14		1						1				1	
SB15				1				1				1	
SB16		1						1				1	
CB1													
TOTAL		8		8		1		7		5		2	

TRAFFIC SIGNAL CABINET

SPV.0060.229 SPV.0060.231		
Install NEMA TS2 Type 1 Traffic Controller Cabinet		
Optical Signal Preempt System		
LOCATION	EACH	EACH
JUNCTION RD AT PARK AND RIDE RD	1	1

SIGNAL MOUNTING HARDWARE

SPV.0105.261	
Install Signal Mounting Hardware (Junction)	
LOCATION	L.S.
JUNCTION RD AT PARK AND RIDE RD	1

ELECTRICAL SERVICE

SPV.0105.291		
Install Electrical Service Meter Breaker Pedestal (Junction)		
CABINET NO.	LOCATION	L.S.
CB1	JUNCTION RD AT PARK AND RIDE RD	1

INSTALL PTZ CAMERA

SPV.0060.272	
Install PTZ Camera	
LOCATION	EACH
SB2	1
TOTAL	
1	

60631225P

MISCELLANEOUS QUANTITIES: JUNCTION RD AT PARK AND RIDE RD

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

60631225P

MQ-4S

REMOVED/EVP DETECTORS-APS/PB UPDATE 1/27/2023

REVISION

DATE 1/16/2023

Scale: NTS

Mark

Designed By: TSI

60631225P

1/27/2023

DATE

BY

REMOVING TRAFFIC SIGNALS

** LOCATION	SPV.0105.216 REMOVING TRAFFIC SIGNALS L.S.
Mineral Point Road & Grand Canyon Drive	1
TOTAL	1

TRAFFIC SIGNAL CABINET

** LOCATION	SPV.0060.229 INSTALL NEMA TS2 TYPE 1 TRAFFIC CONTROLLER CABINET EACH	SPV.0060.235 OPTICAL SIGNAL PREEMPT EACH	SPV.0060.267 INSTALL EVP DETECTOR EACH
Mineral Point Road & Grand Canyon Drive	1	1	1
TOTAL	1	1	1

INSTALL PTZ CAMERA

** LOCATION	SPV.0060.272 INSTALL PTZ CAMERA EACH
SB4	1
TOTAL	1

REMOVING PULL BOXES

PULL BOX NO.	LOCATION	653.0905 REMOVING PULL BOXES EACH
EXPB1	EXISTING	1
EXPB2	EXISTING	1
EXPB3	EXISTING	1
EXPB4	EXISTING	1
EXPB5	EXISTING	1
EXPB6	EXISTING	1
EXPB7	EXISTING	1
EXPB8	EXISTING	1
TOTAL		8

REMOVING CONCRETE BASES

SIGNAL BASE NO.	LOCATION	204.0195 REMOVING CONCRETE BASES EACH
EXSB1	EXISTING	1
EXSB2	EXISTING	1
EXSB3	EXISTING	1
EXSB4	EXISTING	1
EXSB5	EXISTING	1
EXSB6	EXISTING	1
EXSB7	EXISTING	1
EXSB8	EXISTING	1
EXSB9	EXISTING	1
EXSB10	EXISTING	1
EXCB1	EXISTING	1
TOTAL		11

CONDUIT

LOC.	TO	LOC.	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF	652.0615 CONDUIT SPECIAL 3-INCH LF
CB1		PB1		48		
PB1		SB1	9			
PB1		PB2				100
PB2		SB2	9			
PB2		PB3		94		
PB3		SB3	6			
PB3		PB4				108
PB4		SB4	6			
PB4		PB5	245			
PB4		PB6				110
PB6		SB5	11			
PB6		PB7		108		
PB7		SB6	6			
PB7		PB8			92	
PB8		SB7	15			
PB8		PB9		84		
PB9		SB8	16			
PB9		PB10	22			
PB10		PB11	232			
PB9		PB12				108
PB12		SB9	4			
PB12		PB13				122
PB13		SB10	30			
PB13		CB1		70		
CB1		PB14	11			
TOTAL			622	404	92	548

CONCRETE BASES

SIGNAL BASE NO.	LOCATION	SPV.0060.204 CONCRETE BASES TYPE G EACH	SPV.0060.205 CONCRETE BASES TYPE LB-3 EACH	SPV.0060.206 CONCRETE BASES TYPE LB-8 EACH	SPV.0060.207 CONCRETE BASE TYPE P EACH
CB1	133+60, 91' RT				1
SB1	133+65' 69' RT		1		
SB2	133+8, 69' RT	1			
SB3	132+78, 49' RT	1			
SB4	132+79, 9' LT			1	
SB5	132+78, 53' LT			1	
SB6	133+8, 78' LT		1		
SB7	133+59, 75' RT	1			
SB8	133+97, 52' LT		1		
SB9	133+83, 2' RT			1	
SB10	133+98, 50' RT			1	
TOTAL		3	3	4	1

TEMPORARY TRAFFIC SIGNALS

** LOCATION	SPV.0105.205 TEMPORARY TRAFFIC SIGNAL L.S.
Mineral Point Road & Grand Canyon	1
TOTAL	1

REVISED BY JWJ 1/27/2023

PULL BOXES

PULL BOX NO.	LOCATION	SPV.0060.202 INSTALL ELECTRICAL PULL BOX TYPE III EACH	SPV.0060.203 INSTALL ELECTRICAL PULL BOX TYPE V EACH
PB1	133+59, 76' RT		1
PB2	133+11, 76' RT		1
PB3	132+74, 47' RT		1
PB4	132+75, 6' LT		1
PB5	130+31, 1' RT	1	
PB6	132+73, 52' LT		1
PB7	133+11, 90' LT		1
PB8	133+57, 89' LT		1
PB9	133+82, 54' LT		1
PB10	134+1, 52' LT	1	
PB11	136+33, 52' LT	1	
PB12	133+82, 1' LT		1
PB13	133+70, 59' RT		1
PB14	133+63, 101' RT	1	
TOTAL		4	10

60631225P

MISCELLANEOUS QUANTITIES: MINERAL POINT AND GRAND CANYON

BUS RAPID TRANSIT



60631225P

MQ-18S

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

TRAFFIC DETECTOR LOOPS

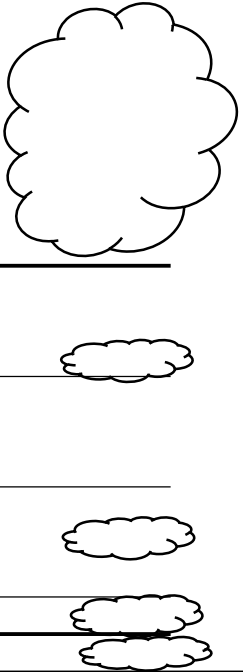
652.0900655.0800SPV.0090.201SPV.0090.209								
LOOP NO.	HOEM RUN PB	FT	SIZE X FT	NO. OF TURNS	Loop Detector Slots LF	Loop Detector Wire LF	Loop Detector Lead-In Cable Special LF	Sawed in Bicycle Loop Detection LF
21	PB2	6	X 10	5	50	262	187	
22	PB1	6	X 10	5	50	262	16	
41	PB5	6	X 10	4	53	224	149	
42	PB5	6	X 10	4	47	200	149	
43	PB9	6	X 10	4	40	172	165	
401	PB5	6	X 3	3				23
51	PB3	6	X 10	5	56	292	70	
52	PB3	6	X 10	5	42	222	70	
61	PB8	6	X 10	5	58	302	445	
62	PB8	6	X 10	5	47	247	445	
63	PB7	6	X 10	5	60	312	220	
64	PB7	6	X 10	5	49	257	220	
601	PB8	6	X 3	3				27
602	PB7	6	X 3	3				30
TOTAL					552	2752	2136	80

TRAFFIC SIGNAL FACES

SPV.0060.220SPV.0060.221SPV.0060.224SPV.0060.225SPV.0060.226						
SIGNAL HEAD NO.	SIGNAL BASE NO.	Install Traffic Signal Heads 12-Inch 3-Section EACH	Install Traffic Signal Heads 12-Inch 4-Section EACH	Install Traffic Signal Heads 16-Inch Pedestrian With Countdown EACH	Install Backplates Signal Face 3-Section 12-Inch EACH	Install Backplates Signal Face 4-Section 12-Inch EACH
1	SB6	1			1	
2	SB2	1			1	
3	SB3	1			1	
4	SB1	1			1	
5	SB7	1			1	
6	SB8	1			1	
7	SB2		1			1
8	SB7		1			1
9	SB4	1			1	
10	SB9	1			1	
11	SB10	1			1	
4A	SB3			1		
4B	SB2			1		
4C	SB2			1		
4D	SB1			1		
6A	SB5			1		
6B	SB4			1		
8A	SB8			1		
8B	SB7			1		
8C	SB7			1		
8D	SB6			1		
TOTAL		9	2	10	9	2

TRAFFIC SIGNAL EQUIPMENT

SPV.0060.273SPV.0060.274SPV.0060.277SPV.0060.209SPV.0060.211SPV.0060.212SPV.0060.216SPV.0060.219SPV.0060.279SPV.0060.233SPV.0060.234											
SIGNAL BASE NO.	Install Pedestal Bases EACH	Install Transformer Bases Breakaway 11 1/2-Inch Bolt Circle EACH	Install Traffic Signal Standards Aluminum 13-FT EACH	Install Pole 20-Foot 7 Gauge EACH	Install Pole 30-Foot 7 Gauge Twin Mount EACH	Install Pole 30-Foot 11 Gauge Single Mount EACH	Install Traffic Signal Trombone Arm 15-Foot EACH	Install Traffic Signal Trombone Arm 25-Foot EACH	Install Pedestrian Push Buttons EACH	Install LED Luminaire and Mounting Bracket Type II EACH	Install LED Luminaire and Mounting Bracket Type III EACH
SB1	1		1						1		
SB2		1			1		1		1		2
SB3		1		1			1		1		
SB4	1		1						1		
SB5		1				1			1	1	
SB6	1		1						1		
SB7		1			1			1	2		2
SB8		1		1			1		1		
SB9	1		1								
SB10	1		1								
TOTAL	5	5	5	2	2	1	3	1	9	1	4



1/27/2023	TSI	BY
REMOVED E/V P DETECTORS	REVISION	DATE
Mark	Designed By: TSI	Date: 1/9/2023
60631225P	Scale: NTS	

60631225P	MISCELLANEOUS QUANTITIES: WHITNEY WAY AT SHEBOYGAN AVE
BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI
CITY OF MADISON	CONTRACT NO: 60631225C



60631225P
MQ-34S



		SPV.0060.220	SPV.0060.221	SPV.0060.222	SPV.0060.224	SPV.0060.225	SPV.0060.226	SPV.0060.227
		Install Traffic	Install Traffic	Install Traffic	Install Traffic	Install	Install	Install
		Signal Heads	Signal Heads	Signal Heads	Signal Heads 16-	Backplates	Backplates	Backplates
SIGNAL	SIGNAL	12-Inch 3-	12-Inch 4-	12-Inch 5-	Inch Pedestrian	Signal Face 3-	Signal Face 4-	Signal Face 5-
HEAD	BASE	Section	Section	Section	With	Section 12-	Section 12-	Section 12-
NO.	NO.	EACH	EACH	EACH	Countdown	Inch	Inch	Inch
		EACH	EACH	EACH	EACH	EACH	EACH	EACH
1	SB6	1				1		
2	SB2	1				1		
3	SB3	1				1		
4	SB7		1				1	
5	SB2		1				1	
6	SB1			1				1
7	SB7	1				1		
8	SB8			1				1
9	SB9	1				1		
10	SB4		1				1	
11	SB6		1				1	
12	SB4	1				1		
13	SB9		1				1	
14	SB10		1				1	
2A	SB10				1			
2B	SB9				1			
4A	SB3				1			
4B	SB2				1			
4C	SB2				1			
4D	SB1				1			
6A	SB5				1			
6B	SB4				1			
3A	SB8				1			
3B	SB6				1			
TOTAL		6	6	2	10	6	6	2

	SPV.0060.229	SPV.0060.231
	Install NEMA	
	TS2 Type 1	
	Traffic	Optical Signal
	Controller	Preempt
	Cabinet	System
LOCATION	EACH	EACH
SHEBOYGAN AVE AT SEGOE RD	1	1

	SPV.0105.272
	Install Signal Mounting Hardware (Segoe)
LOCATION	L.S.
SHEBOYGAN AVE AT SEGOE RD	1

		SPV.0105.2000
		Install Electrical
		Service Meter
		Breaker
		Pedestal
CABINET		(Segoe)
NO.	LOCATION	L.S.
CB1	SHEBOYGAN AVE AT SEGOE RD	1

	SPV.0060.273	SPV.0060.274	SPV.0060.277	SPV.0060.209	SPV.0060.210	SPV.0060.211	SPV.0060.216	SPV.0060.228	SPV.0060.279	SPV.0060.232	SPV.0060.234		
		Install Transformer	Install Traffic Signal		Install Pole	Install Pole	Install Traffic	Install	FOR INFORMATIONAL PURPOSE ONLY		Install LED	Install LED	
SIGNAL BASE NO.	Install Pedestal Bases EACH	11 1/2-Inch Bolt Circle EACH	Standards Aluminum 13-FT EACH	20-Foot 7 Gauge EACH	30-Foot 7 Gauge Single Mount EACH	30-Foot 7 Gauge Twin Mount EACH	Signal Trombone Arm 15-Foot EACH	Platform APS System 4 Push Buttons EACH	APS PUSH BUTTON EACH	Install Pedestrian Push Buttons EACH	Luminaire and Mounting Bracket Type I EACH	Luminaire and Mounting Bracket Type III EACH	
SB1	1		1						1				
SB2		1				1	1		2			2	
SB3		1		1			1		1				
SB4	1		1							1			
SB5	1		1							1			
SB6		1		1			1			1			
SB7		1				1	1					2	
SB8		1		1			1			1			
SB9	1		1							1			
SB10		1			1		1			1	1		
CB1								1					
TOTAL	4	6	4	3	1	2	6	1	4	6	1	4	

[illegible]

MISCELLANEOUS QUANTITIES: SHEBOYGAN AVE AT SEGOE RD	60631225P
BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI
CITY OF MADISON	CONTRACT NO: 60631225C



60631225P

MQ-38S

FILE NAME: C:\OneDrive\AECOM\City of Madison BRT Quantities - Cost_Quantities\Madison BRT M/Q Plan Sheets.dptx

REMOVING TRAFFIC SIGNALS

** LOCATION	SPV.0105.222 REMOVING TRAFFIC SIGNALS L.S.
University Avenue & Midvale Boulevard	1
TOTAL	1

TRAFFIC SIGNAL CABINET

** LOCATION	SPV.0060.259 SALVAGE AND REINSTALL MICROWAVE DETECTOR EACH	SPV.0060.260 SALVAGE AND REINSTALL EVP DETECTOR EACH	SPV.0060.261 SALVAGE AND REINSTALL VIDEO DETECTION CAMERA EACH	SPV.0060.266 SALVAGE AND REINSTALL PTZ CAMERA EACH
University Avenue & Midvale Boulevard	1	1	1	1
TOTAL	1	1	1	1

PULL BOXES

PULL BOX NO.	LOCATION	SPV.0060.202 INSTALL ELECTRICAL PULL BOX TYPE III EACH	SPV.0060.203 INSTALL ELECTRICAL PULL BOX TYPE V EACH
PB4	312+15, 70' RT	1	
PB5	314+82, 3' LT		1
TOTAL		1	1

TRAFFIC SIGNAL FACES

SIG. HEAD NO.	SIG. BASE NO.	SPV.0060.220 INSTALL TRAFFIC SIGNAL HEADS 12-INCH 3-SECTION EACH	SPV.0060.222 INSTALL TRAFFIC SIGNAL HEADS 12-INCH 5-SECTION EACH	SPV.0060.223 INSTALL TRAFFIC SIGNAL HEADS 12-INCH 3-SECTION TRANSIT EACH	SPV.0060.224 INSTALL TRAFFIC SIGNAL HEADS 16-INCH PEDESTRIAN WITH COUNTDOWN EACH	SPV.0060.225 INSTALL BACKPLATES SIGNAL FACES 3-SECTION 12-INCH EACH	SPV.0060.227 INSTALL BACKPLATES SIGNAL FACES 5-SECTION 12-INCH EACH
1	SB2		1				1
2	SB11		1				1
5	SB9			1		1	
6	SB3	1				1	
7	SB8	1				1	
8	SB9	1				1	
10	SB4	1				1	
11	SB4	1				1	
13	SB2	1				1	
14	SB3	1				1	
15	SB3	1				1	
1D	SB2				1		
3A	SB4				1		
3B	SB3				1		
3C	SB3				1		
3D	SB2				1		
TOTAL		8	2	1	5	9	2

CONDUIT

LOC.	TO	LOC.	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0615 CONDUIT SPECIAL 3-INCH LF
PB3	SB2		4		
PB3	PB4		249		
PB3	PB5				166
PB5	SB3		5		
PB5	PB6				104
PB6	SB4			18	
TOTAL			258	18	270

CONCRETE BASES

SIGNAL BASE NO.	LOCATION	654.0120 CONCRETE BASES TYPE 10 SPECIAL EACH	SPV.0060.205 CONCRETE BASES TYPE LB-3 EACH	SPV.0060.206 CONCRETE BASES TYPE LB-8 EACH
SB2	314+66, 81' RT		1	
SB3	314+79, 5' LT			1
SB4	314+66, 53' LT	1		
TOTAL		1	1	1

REVISED BY JWJ 1/27/2023

60631225P

MISCELLANEOUS QUANTITIES: UNIVERSITY AVE AND MIDVALE BLVD

BUS RAPID TRANSIT



60631225P

MQ-39S

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

LOC.	TO	LOC.	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG L.F.	655.0325 CABLE TYPE UF 2-8 AWG GROUNDED L.F.	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.	SPV.0090.202 ELECTRICAL WIRE LIGHTING 14-3 UF GROUNDED L.F.
CB1		SB2				145			
CB1		SB3				243			
CB1		SB4			322				
CB1		SB9			304				
CB1		SB11				254			
SB1		SB2					122	122	
SB2		SB3						131	
SB3		SB4						112	
SB4		SB5					114	114	
CB1		SB1					94		
SB2		SB4					209		
SB2		HEAD 1		23					
SB2		HEAD 13	21						
SB2		HEAD 1D	15						
SB2		HEAD 3D	15						
SB2		LUMINAIRE							105
SB3		HEAD 6	42						
SB3		HEAD 14	46						
SB3		HEAD 15	37						
SB3		HEAD 3B	15						
SB3		HEAD 3C	15						
SB4		HEAD 10	47						
SB4		HEAD 11	59						
SB4		HEAD 3A	15						
SB4		LUMINAIRE							105
SB8		HEAD 7	21						
SB9		HEAD 5	21						
SB9		HEAD 8	21						
SB11		HEAD 2		28					



SPV.0105.211	
TEMPORARY	
TRAFFIC SIGNAL	
L.S.	

LOCATION	
University Avenue & Midvale Boulevard	1

University Avenue & Midvale Boulevard

PULL BOX		PULL BOXES
NO.	LOCATION	EACH
EXPB1	EXISTING	1
EXPB2	EXISTING	1
EXPB3	EXISTING	1
EXPB4	EXISTING	1
EXPB5	EXISTING	1

REVISÉD BY JWJ 1/27/2023

TOTAL 4

		652.0700.S
PULL		INSTALL CONDUIT
BOX		INTO EXISTING
		ITEM
NO.	LOCATION	EACH
PB3	EXISTING	1
PB6	EXISTING	1

TOTAL { 2 }

[illegible]

MISCELLANEOUS QUANTITIES: UNIVERSITY AVE AND MIDVALE BLVD	60631225P
BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI
CITY OF MADISON	CONTRACT NO: 60631225C



60631225P

MQ-40S

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	** LOCATION	SIZE (FT)	X	(FT)	NO. OF TURNS	652.0900	SPV.0090.201	655.0800
							LOOP DETECTOR	LOOP DETECTOR	LOOP DETECTOR
							SLOTS	LEAD-IN CABLE SPECIAL	WIRE
							L.F.	L.F.	L.F.
11	PB5	314+56, 16' RT	6	X	10	5	-	174	244
21	PB12	EXISTING	20	X	6	5	-	-	-
31	PB9	EXISTING	10	X	15	5	-	-	-
32	PB8	EXISTING	6	X	6	5	-	-	-
33	PB8	EXISTING	6	X	6	5	-	-	-
41	PB18	EXISTING	6	X	10	5	-	-	-
42	PB18	EXISTING	6	X	10	5	-	-	-
43	PB18	EXISTING	6	X	10	5	-	-	-
44	PB15	EXISTING	6	X	10	5	-	-	-
51	PB12	EXISTING	10	X	6	5	-	-	-
52	PB14	EXISTING	15	X	6	5	-	-	-
53	PB13	EXISTING	6	X	20	5	-	-	-
54	PB13	EXISTING	6	X	20	5	-	-	-
61	PB4	312+15, 20' RT	6	X	10	5	80	339	268
62	PB4	312+15, 33' RT	6	X	10	5	67	339	242
63	PB4	312+15, 46' RT	6	X	10	5	54	339	216
64	PB3	314+56, 28' RT	6	X	10	5	59	175	226
65	PB3	314+56, 39' RT	6	X	10	5	48	175	204
66	PB3	314+56, 51' RT	6	X	10	5	58	175	224
91	PB4	312+15, 8' RT	6	X	10	3	79	339	202
92	PB5	314+56, 7' RT	6	X	10	3	-	174	162
93	PB5	315+02 6' RT	6	X	10	3	-	174	140
							445	2403	2128

TRAFFIC SIGNAL EQUIPMENT

SIG. BASE NO.	SPV.0060.274	SPV.0060.209	SPV.0060.212	SPV.0060.275	SPV.0060.215	SPV.0060.217	SPV.0060.228	FOR INFORMATIONAL	SPV.0060.237	SPV.0060.240
	INSTALL TRANSFORMER	INSTALL	INSTALL POLES	INSTALL	INSTALL	INSTALL	INSTALL PLATFORM	PURPOSE ONLY	LED LUMINAIRE	INSTALL LED LUMINAIRE
	BASE BREAKAWAY	POLES 20-FOOT	30-FOOT 11 GAUGE	POLES TYPE	MONOTUBE ARMS	TROMBONE ARMS	APS SYSTEM	APS PUSH	AND MOUNTING	AND MOUNTING
	11 1/2-INCH BOLT CIRCLE	7 GAUGE	SINGLE MOUNT	10-SPECIAL	35-FT	20-FT	4 PUSH BUTTONS	BUTTON	BRACKET TYPE VI	BRACKET TYPE C
	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
SB2	1		1					1		1
SB3	1	1				1		2		
SB4				1	1			1	1	
CB1							1			
TOTAL	2	1	1	1	1	1	1	4	1	1

• REVISED BY JWJ 1/27/2023

[illegible]

MISCELLANEOUS QUANTITIES: UNIVERSITY AVE AND MIDVALE BLVD	60631225P
BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI
CITY OF MADISON	CONTRACT NO: 60631225C



60631225P

MQ-41S

TRAFFIC SIGNAL PULL BOX SUMMARY

					SPV.0060.201*	SPV.0060.202*	SPV.0060.203*
					ELECTRICAL PULL	ELECTRICAL PULL	ELECTRICAL PULL
					BOX TYPE I	BOX TYPE III	BOX TYPE V
INTERSECTION	PULL BOX NO.	LOCATION**			EACH	EACH	EACH
		STATION	OFFSET				
EAST WASHINGTON AVENUE & BLAIR STREET	PB5	217+03.0	84.4	'LT	--	1	--
	PB7	218+66.1	87.2	'LT	--	1	--
	PB9	218+91.2	22.7	'LT	--	1	--
	SUBTOTAL (EAST WASH AVE. & BLAIR ST.)				--	3	0
EAST WASHINGTON AVENUE & PATERSON STREET	PB1	235+75.6	37.8	'RT	--	--	1
	PB2	234+19.6	40.4	'RT	--	1	--
	PB3	235+96.3	16.5	'LT	--	--	1
	PB4	235+73.7	77.6	'LT	--	--	1
	PB7	238+53.4 WA	49.5	'LT	--	1	--
	SUBTOTAL (EAST WASH AVE. & PATERSON ST.)				--	2	3
EAST WASHINGTON AVENUE & BALDWIN STREET	PB4	260+47.9	37.6	'RT	--	1	--
	PB5	262+47.0	17.2	'LT	--	--	1
	PB6	262+26.7	76.4	'LT	--	--	1
	PB9	265+08.0 WA	49.2	'LT	--	1	--
	PB12	263+04.6	60.8	'RT	--	1	--
SUBTOTAL (EAST WASH AVE. & BALDWIN ST.)				--	3	2	
EAST WASHINGTON AVENUE & FIRST STREET	PB1	288+96.4	79.8	'RT	--	1	--
	PB3	287+68.3	58.3	'RT	--	1	--
	PB4	285+65.2	59.5	'RT	--	1	--
	PB6	288+05.0	13.7	'LT	--	--	1
	PB15	291+33.1 WA	51.3	'LT	--	1	--
	PB19	285+74.8	69.0	'LT	1	--	--
	PB20	284+44.0	67.2	'LT	1	--	--
	PB21	284+33.6	76.7	'LT	1	--	--
	PB22	283+69.0 WA	74.8	'LT	1	--	--
	SUBTOTAL (EAST WASH AVE. & FIRST ST.)				4	4	1
EAST WASHINGTON AVENUE & FOURTH STREET	PB1	308+53.0	59.8	'RT	--	1	--
	PB4	305+69.3 WA	63.8	'RT	--	1	--
	PB10	311+07.2	74.5	'LT	--	1	--
	PB11	308+68.8	23.1	'LT	--	--	1
SUBTOTAL (EAST WASH AVE. & FOURTH ST.)				--	3	1	
EAST WASHINGTON AVENUE & MILWAUKEE STREET	PB1	329+24.9	67.8	'LT	--	1	--
	PB7	332+62.0	37.7	'LT	--	1	--
	PB8	330+12.3	26.7	'RT	--	--	1
	PB13	328+65.4	88.2	'RT	--	--	1
	PB14	326+48.1	82.4	'RT	--	1	--
	PB15	328+88.0	18.9	'RT	--	--	1
SUBTOTAL (EAST WASH AVE. & MILWAUKEE ST.)				--	3	3	
EAST WASHINGTON AVENUE & MARQUETTE STREET	PB2	350+34.4	36.9	'RT	--	1	--
	PB3	352+60.4	17.1	'LT	--	--	1
	PB9	356+08.0 WA	3.0	'LT	--	1	--
SUBTOTAL (EAST WASH AVE. & MARQUETTE ST.)				--	2	1	
EAST WASHINGTON AVENUE & FAIR OAKS AVENUE	PB5	401+17.4 WA	46.8	'LT	--	1	--
	PB13	397+07.2	14.8	'LT	--	--	1
	PB14	397+18.2	67.0	'LT	--	--	1
SUBTOTAL (EAST WASH AVE. & FAIR OAKS AVE.)				--	1	2	

CONT'D

CONT'D FROM ABOVE

				SPV.0060.201*	SPV.0060.202*	SPV.0060.203*
	PULL BOX	LOCATION**		ELECTRICAL PULL	ELECTRICAL PULL	ELECTRICAL PULL
INTERSECTION	NO.	STATION	OFFSET	BOX TYPE I	BOX TYPE III	BOX TYPE V
				EACH	EACH	EACH
EAST WASHINGTON AVENUE & MENDOTA STREET	PB1	430+16.2 WB	17.1 'LT	--	--	1
	PB2	430+13.6 WB	35.8 'LT	--	1	--
	PB3	431+25.9 WB	36.5 'LT	--	1	--
	PB4	432+15.9 WB	21.4 'LT	--	1	--
	PB6	430+43.8	25.1 'LT	--	1	--
	PB8	429+98.9	55.3 'RT	--	1	--
	PB10	427+26.3 WA	59.0 'RT	--	1	--
	SUBTOTAL (EAST WASH AVE. & MENDOTA ST.)				--	6
EAST WASHINGTON AVENUE & EAST SPRINGS DRIVE	PB1	497+13.3	55.7 'RT	--	1	--
	PB2	497+05.6 WB	45.9 'RT	--	1	--
	PB3	497+09.2 WB	20.8 'LT	--	1	--
	SUBTOTAL (EAST WASH AVE. & EAST SPRINGS DR.)				--	3
TOTAL				4	30	14

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

**FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

**EQUIPMENT OFFSETS REFERENCE MULTIPLE ALIGNMENTS. ITEMS WITH THE 'WA' SUFFIX REFER TO THE MAINLINE EAST WASHINGTON AVENUE ALIGNMENT. ITEMS WITH THE 'WB' SUFFIX REFER TO THE WESTBOUND REFERENCE ALIGNMENTS AT EACH INTERSECTION. ITEMS WITH NO SUFFIX REFER TO THE EASTBOUND REFERENCE ALIGNMENTS

INSTALL CONDUIT INTO EXISTING ITEM

INTERSECTION	PULL BOX NO.	652.0070.S EACH
EAST WASHINGTON	EXPB4	1
AVENUE &	EXPB8	1
BLAIR STREET	EXPB13	1
	EXPB16	1
	EXPB18	2
SUBTOTAL (EAST WASH AVE. & BLAIR ST.)		6
EAST WASHINGTON	EXPB6	2
AVENUE &	EXPB8	1
PATERSON STREET		
SUBTOTAL (EAST WASH AVE. & PATERSON ST.)		3
EAST WASHINGTON	EXCB1	1
AVENUE &	EXPB1	2
BALDWIN STREET	EXPB3	1
	EXPB8	2
	EXPB10	1
	EXPB11	1
SUBTOTAL (EAST WASH AVE. & BALDWIN ST.)		8
EAST WASHINGTON	EXPB2	1
AVENUE &	EXPB7	1
FIRST STREET	EXPB9	1
	EXPB14	2
	EXPB16	1
	EXPB18	1
SUBTOTAL (EAST WASH AVE. & FIRST ST.)		7

CONT'D

CONT'D FROM ABOVE

INTERSECTION	PULL BOX NO.	652.0070.5 EACH
EAST WASHINGTON AVENUE & FOURTH STREET	EXPB2	2
	EXPB3	3
	EXPB5	1
	EXPB9	2
	SUBTOTAL (EAST WASH AVE. & FOURTH ST.)	8
EAST WASHINGTON AVENUE & MILWAUKEE STREET	EXPB4	1
	EXPB6	3
	EXSB9	1
SUBTOTAL (EAST WASH AVE. & MILWAUKEE ST.)	5	
EAST WASHINGTON AVENUE & MARQUETTE STREET	EXPB1	2
	EXPB4	1
	EXPB6	2
	EXPB8	1
SUBTOTAL (EAST WASH AVE. & MARQUETTE ST.)	6	
EAST WASHINGTON AVENUE & FAIR OAKS AVENUE	EXPB4	1
	EXPB6	2
	EXPB7	2
	EXPB9	1
	EXPB10	1
	EXPB12	1
	EXPB15	2
	EXPB16	1
SUBTOTAL (EAST WASH AVE. & FAIR OAKS AVE.)	11	
EAST WASHINGTON AVENUE & MENDOTA STREET	EXCB1	1
	EXPB5	1
	EXPB7	1
	EXPB9	1
	EXPB11	1
	EXPB12	1
EXPB13	1	
SUBTOTAL (EAST WASH AVE. & MENDOTA ST.)	7	
EAST WASHINGTON AVENUE & PORTAGE ROAD	EXPB6	1
	SUBTOTAL (EAST WASH AVE. & PORTAGE RD.)	1
EAST WASHINGTON AVENUE & EAST SPRINGS DRIVE	EXSB3	1
	EXSB4	1
	EXSB6	1
SUBTOTAL (EAST WASH AVE. & EAST SPRINGS DR.)	3	
TOTAL		62



REVISÉD 3/10/2023 KJSW

1	PLAN REVISION 1	DATE	3/10/2023	KJWS
Mark	DESIGNED BY: STRAND	Scale	NTS	
	60631225P	Date:	3/10/2023	

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

MISCELLANEOUS QUANTITIES: BRT EAST SIGNALS

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

MQ49-S

LOOP DETECTION										
INTERSECTION	LOOP NO.	LOCATION**		SIZE			NO. OF TURNS	SPV.0090.201*	652.0900*	655.0800*
		STATION	OFFSET	FT	X	FT		LOOP DETECTOR	LOOP DETECTOR	LOOP DETECTOR
								LEAD IN CABLE LF	SLOTS LF	WIRE LF
EAST WASHINGTON AVENUE & BLAIR STREET	21	218+67.7	74.7 'LT	6	X	10	4	330	38	159
	22	218+68.0	64.7 'LT	6	X	10	4	330	49	180
	23	218+68.3	53.7 'LT	6	X	10	4	330	60	202
	24	216+92.0	70.2 'LT	6	X	10	3	143	38	130
	25	216+92.2	58.8 'LT	6	X	10	3	143	48	152
	26	216+92.4	48.3 'LT	6	X	10	3	143	60	175
	27	216+12.5	35.0 'LT	6	X	10	3	142	44	134
	51	218+91.1	43.4 'LT	6	X	10	4	383	48	174
	52	218+91.6	32.5 'LT	6	X	10	4	383	37	151
	53	217+13.2	37.9 'LT	6	X	10	3	208	48	146
	54	217+13.6	26.9 'LT	6	X	10	3	208	37	126
	63	214+12.4	9.2 'LT	6	X	10	4	393	64	215
	66	215+81.5	8.5 'LT	6	X	10	3	205	63	174
	67	216+18.9	7.3 'LT	6	X	10	3	157	40	128
	SUBTOTAL (EAST WASH AVE. & BLAIR ST.)							3,498	673	2,246
EAST WASHINGTON AVENUE & PATERSON STREET	21	238+58.8 WA	40.0 'LT	6	X	10	4	386	39	157
	22	238+58.5 WA	29.0 'LT	6	X	10	4	386	50	178
	23	238+58.3 WA	18.5 'LT	6	X	10	4	386	60	200
	24	238+58.1 WA	10.3 'LT	6	X	10	4	386	69	217
	25	236+89.8	69.1 'LT	6	X	10	3	225	37	123
	26	236+89.8	57.6 'LT	6	X	10	3	225	48	145
	27	236+89.7	47.1 'LT	6	X	10	3	225	59	165
	28	236+89.6	36.6 'LT	6	X	10	3	225	69	186
	29	235+94.9	33.1 'LT	6	X	10	3	179	46	140
	41	236+05.1	104.1 'LT	6	X	10	4	311	35	153
	42	236+16.2	104.2 'LT	6	X	10	4	311	47	177
	43	236+27.1	104.4 'LT	6	X	10	4	311	58	202
	51	238+57.8 WA	0.5 'RT	6	X	10	4	386	80	240
	52	236+89.6	25.6 'LT	6	X	10	3	225	80	209
	61	234+15.2	27.8 'RT	6	X	10	4	284	36	161
	62	234+15.0	16.8 'RT	6	X	10	4	284	47	184
	63	234+14.8	6.3 'RT	6	X	10	4	284	58	205
	64	234+14.6	4.2 'LT	6	X	10	4	284	69	227
	65	235+72.0	26.6 'RT	6	X	10	2	111	41	98
	66	235+71.8	14.7 'RT	6	X	10	2	111	51	118
	67	235+71.7	4.2 'RT	6	X	10	2	111	61	138
	68	235+71.5	6.3 'LT	6	X	10	2	111	71	158
	69	236+67.9	5.0 'LT	6	X	10	3	151	74	194
	82	236+44.8	62.3 'RT	6	X	10	2	37	40	95
	SUBTOTAL (EAST WASH AVE. & PATERSON ST.)							5,935	1,326	4,070
EAST WASHINGTON AVENUE & BALDWIN STREET	21	265+11.1 WA	38.8 'LT	6	X	10	5	565	40	193
	22	265+10.0 WA	27.9 'LT	6	X	10	5	565	51	215
	23	265+08.8 WA	17.3 'LT	6	X	10	5	565	61	236
	24	263+32.4	69.0 'LT	6	X	10	4	382	38	156
	25	263+32.7	57.7 'LT	6	X	10	4	382	49	177
	26	263+32.9	47.2 'LT	6	X	10	4	382	59	198
	27	263+33.1	36.6 'LT	6	X	10	4	382	69	218
	28	262+38.8	33.9 'LT	6	X	10	3	165	44	136
	41	262+62.8	102.0 'LT	6	X	10	4	284	38	157
	42	262+73.0	102.2 'LT	6	X	10	4	284	46	174
	51	265+07.5 WA	7.3 'LT	6	X	10	5	565	72	258
	52	263+33.3	25.6 'LT	6	X	10	4	382	80	240
	61	260+45.3	27.6 'RT	6	X	10	4	298	35	157
	62	260+45.0	16.1 'RT	6	X	10	4	298	46	179
	63	260+44.8	5.6 'RT	6	X	10	4	298	56	198
	64	260+44.5	5.0 'LT	6	X	10	4	298	67	222
	65	262+23.2	26.4 'RT	6	X	10	2	93	38	92
	66	262+22.9	13.7 'RT	6	X	10	2	93	51	118
	67	262+22.7	3.2 'RT	6	X	10	2	93	62	141
	68	262+22.5	7.3 'LT	6	X	10	2	93	73	163
	69	263+19.7	4.7 'LT	6	X	10	4	295	82	243
	83	262+95.7	61.1 'RT	6	X	10	4	281	35	151
	84	262+84.8	61.0 'RT	6	X	10	4	281	47	174
	SUBTOTAL (EAST WASH AVE. & BALDWIN ST.)							7,324	1,239	4,196

CONT'D

CONT'D FROM ABOVE

CONT'D FROM ABOVE

INTERSECTION	LOOP NO.	LOCATION**		SIZE			NO. OF TURNS	SPV.0090.201*	652.0900*	655.0800*
		STATION	OFFSET	FT	X	FT		LOOP DETECTOR LEAD IN CABLE	LOOP DETECTOR SLOTS	LOOP DETECTOR WIRE
								LF	LF	LF
EAST WASHINGTON AVENUE & FIRST STREET	11	285+65.9	14.8 'RT	6	X	10	4	394	74	227
	12	285+65.9	5.9 'RT	6	X	10	4	394	84	247
	13	287+80.8	15.0 'RT	6	X	10	3	179	72	190
	14	287+80.8	6.0 'RT	6	X	10	3	179	82	211
	21	291+36.1 WA	41.5 'LT	6	X	10	5	432	38	187
	22	291+36.1 WA	30.5 'LT	6	X	10	5	432	49	208
	23	291+36.2 WA	19.3 'LT	6	X	10	5	432	60	231
	24	289+20.2	55.2 'LT	6	X	10	3	207	35	123
	25	289+21.2	38.2 'LT	6	X	10	3	207	53	159
	26	289+21.9	27.7 'LT	6	X	10	3	207	64	181
	27	289+22.5	17.2 'LT	6	X	10	3	207	75	204
	28	288+04.9	26.8 'LT	6	X	10	3	221	40	127
	32	288+57.9	81.9 'RT	6	X	10	2	42	65	149
	44	287+80.8	95.0 'LT	6	X	10	4	323	48	181
	45	287+91.9	94.3 'LT	6	X	10	4	323	37	158
	46	288+24.7	93.1 'LT	6	X	10	4	323	43	173
	51	291+36.2 WA	5.3 'LT	6	X	10	5	432	73	261
	52	289+23.2	6.6 'LT	6	X	10	3	207	87	227
	61	285+65.9	46.9 'RT	6	X	10	4	394	35	161
	62	285+65.9	35.9 'RT	6	X	10	4	394	46	182
	63	285+65.9	24.9 'RT	6	X	10	4	394	57	205
	64	285+65.9	4.1 'LT	6	X	10	4	394	95	270
	65	287+80.8	46.1 'RT	6	X	10	4	179	41	129
	66	287+80.8	35.1 'RT	6	X	10	3	179	52	150
	67	287+80.8	24.5 'RT	6	X	10	3	179	62	170
	68	287+80.8	4.0 'LT	6	X	10	3	179	93	233
	69	289+10.9	14.0 'RT	6	X	10	3	125	52	151
	72	288+36.42	92.8 'LT	6	X	10	4	323	56	198
	81	288+86.7	81.1 'RT	6	X	10	2	42	35	90
	82	288+69.8	81.5 'RT	6	X	10	2	42	52	123
	SUBTOTAL (EAST WASH AVE. & FIRST ST.)								7,965	1,755
EAST WASHINGTON AVENUE & FOURTH STREET	11	305+70.6 WA	18.4 'RT	6	X	10	4	377	70	229
	12	307+84.5	16.8 'LT	6	X	10	3	151	76	209
	21	311+08.8	65.1 'LT	6	X	10	5	427	35	184
	22	311+08.8	52.6 'LT	6	X	10	5	427	48	210
	23	311+08.8	42.1 'LT	6	X	10	5	427	59	232
	24	311+08.8	31.6 'LT	6	X	10	5	427	70	254
	25	308+93.1	68.7 'LT	6	X	10	3	203	36	126
	26	308+93.1	56.6 'LT	6	X	10	3	203	49	151
	27	308+93.1	46.1 'LT	6	X	10	3	203	60	173
	28	308+93.1	35.0 'LT	6	X	10	3	203	71	197
	29	307+97.0	36.8 'LT	6	X	10	3	225	44	135
	61	305+69.7 WA	50.4 'RT	6	X	10	4	377	36	161
	62	305+70.0 WA	39.4 'RT	6	X	10	4	377	47	184
	63	305+70.3 WA	28.8 'RT	6	X	10	4	377	59	207
	64	307+83.1	25.7 'RT	6	X	10	3	151	32	121
	65	307+83.4	14.7 'RT	6	X	10	3	151	43	143
	66	307+83.8	4.2 'RT	6	X	10	3	151	54	165
	67	307+84.1	6.3 'LT	6	X	10	3	151	65	187
	68	308+70.2	6.0 'LT	6	X	10	3	128	44	135
	82	308+42.4	58.8 'RT	6	X	10	2	35	37	91
	SUBTOTAL (EAST WASH AVE. & FOURTH ST.)								5,171	1,035

CONT'D



REVISED 3/10/2023 KJSW

60631225P

CITY OF MADISON, DANE COUNTY, WI

60631225P

MISCELLANEOUS QUANTITIES: BRT EAST SIGNALS

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

MQ50-S

PLAN REVISION 1

REVISION

1

Mark

Designed By: STRAND

60631225P

3/10/2023

DATE

Scale: NTS

CONT'D FROM ABOVE								SPV.0090.201*	652.0900*	655.0800*
	LOOP	LOCATION**		SIZE			NO. OF	LOOP DETECTOR	LOOP DETECTOR	LOOP DETECTOR
INTERSECTION	NO.	STATION	OFFSET	FT	X	FT	TURNS	LEAD IN CABLE	SLOTS	WIRE
								LF	LF	LF
EAST WASHINGTON AVENUE & MILWAUKEE STREET	11	328+60.5	28.3 'RT	6	X	10	3	202	83	218
	21	332+63.4	28.0 'LT	6	X	10	5	435	36	192
	22	332+63.7	15.5 'LT	6	X	10	5	435	49	217
	23	332+64.0	5.0 'LT	6	X	10	5	435	60	239
	24	330+37.8	26.4 'LT	6	X	10	3	209	37	122
	25	330+37.6	15.9 'LT	6	X	10	3	209	53	155
	26	330+37.5	5.7 'LT	6	X	10	3	209	64	178
	27	330+37.4	5.3 'RT	6	X	10	3	209	76	202
	31	329+56.9	110.9 'RT	6	X	10	4	306	36	155
	32	329+67.5	111.0 'RT	6	X	10	4	306	47	177
	42	329+40.1	62.6 'LT	6	X	10	2	46	41	104
	51	332+64.3	5.5 'LT	6	X	10	5	435	71	261
	52	330+37.2	16.1 'RT	6	X	10	3	209	87	226
	61	326+48.4	70.4 'RT	6	X	10	5	431	36	193
	62	326+48.5	55.3 'RT	6	X	10	5	431	50	220
	63	326+48.4	44.3 'RT	6	X	10	5	431	60	241
	64	326+48.3	34.1 'RT	6	X	10	5	431	71	263
	65	328+60.2	77.1 'RT	6	X	10	3	202	37	127
	66	328+60.3	59.4 'RT	6	X	10	3	202	49	150
	67	328+60.4	49.6 'RT	6	X	10	3	202	61	173
	68	328+60.5	38.7 'RT	6	X	10	3	202	72	196
	71	329+50.2	60.5 'LT	6	X	10	2	46	52	124
	82	329+78.5	110.9 'RT	6	X	10	4	306	59	199
	SUBTOTAL (EAST WASH AVE. & MILWAUKEE ST.)								6,529	1,288
EAST WASHINGTON AVENUE & MARQUETTE STREET	21	356+11.5 WA	48.3 'LT	6	X	10	5	513	70	259
	22	356+11.2 WA	35.8 'LT	6	X	10	5	513	57	233
	23	356+10.9 WA	25.3 'LT	6	X	10	5	513	47	212
	24	353+61.1	68.9 'LT	6	X	10	4	310	83	245
	25	353+61.2	57.4 'LT	6	X	10	4	310	71	221
	26	353+61.2	47.5 'LT	6	X	10	4	310	61	200
	27	353+61.2	36.4 'LT	6	X	10	4	310	49	178
	51	356+10.7 WA	14.3 'LT	6	X	10	5	498	36	190
	52	353+61.3	25.9 'LT	6	X	10	4	310	38	155
	61	350+32.9	27.2 'RT	6	X	10	4	264	35	153
	62	350+31.3	15.0 'RT	6	X	10	4	264	48	180
	63	350+29.9	4.5 'RT	6	X	10	4	264	60	202
	64	350+28.4	6.0 'LT	6	X	10	4	264	71	225
	65	352+33.8	32.7 'RT	6	X	10	2	38	40	95
	66	352+34.2	15.5 'RT	6	X	10	2	38	61	137
	67	352+34.5	5.0 'RT	6	X	10	2			

REVISÉ 3/10/2023 KJSW

INTERSECTION	LOOP	LOCATION**		SIZE			NO. OF	LEAD IN CABLE	SLOTS	WIRE
	NO.	STATION	OFFSET	FT	X	FT	TURNS	LF	LF	LF
WRIGHT STREET & ANDERSON STREET	11	35+60.9 WR	60.3 'LT	6	X	10	2	91	68	151
	21	22+44.8 AN	11.6 'LT	6	X	10	4	388	44	166
	22	20+67.8 AN	12.1 'LT	6	X	10	3	195	44	134
	51	20+67.8 AN	1.1 'LT	6	X	10	3	195	54	156
SUBTOTAL (WRIGHT ST. & ANDERSON ST.)								868	209	607
EAST WASHINGTON AVENUE & MENDOTA STREET	11	429+07.6	27.2 'LT	6	X	10	4	329	89	257
	21	432+18.6 WB	5.4 'LT	6	X	10	4	374	44	167
	22	432+18.8 WB	5.1 'RT	6	X	10	4	374	55	189
	23	432+19.0 WB	15.7 'RT	6	X	10	4	374	66	211
	24	430+40.5 WB	5.6 'LT	6	X	10	3	184	69	192
	25	430+40.5 WB	5.1 'RT	6	X	10	3	184	58	169
	26	430+40.6 WB	15.6 'RT	6	X	10	3	184	47	147
	41	429+60.0 WB	45.8 'LT	6	X	10	4	261	38	156
	42	429+59.8 WB	65.8 'LT	6	X	6	4	261	32	127
	43	429+59.6 WB	75.8 'LT	6	X	6	4	261	41	144
	51	432+19.2 WB	26.3 'RT	6	X	10	4	374	74	229
	52	430+40.6 WB	25.7 'RT	6	X	10	3	184	36	122
	61	427+24.8 WA	44.0 'RT	6	X	10	5	578	41	197
	62	427+24.7 WA	33.4 'RT	6	X	10	5	578	52	218
	63	427+24.5 WA	23.0 'RT	6	X	10	5	578	62	240
	64	429+07.8	20.9 'RT	6	X	10	4	329	36	155
	65	429+07.7	4.0 'RT	6	X	10	4	329	54	191
	66	429+07.7	6.2 'LT	6	X	10	4	329	64	213
67	429+07.6	16.2 'LT	6	X	10	4	329	75	234	
81	429+90.7	53.5 'RT	6	X	10	4	289	36	151	
82	429+79.8	53.6 'RT	6	X	10	4	289	47	175	
SUBTOTAL (EAST WASH AVE. & MENDOTA ST.)								6,972	1,116	3,884

**EQUIPMENT OFFSETS REFERENCE MULTIPLE ALIGNMENTS. ITEMS WITH THE 'WA' SUFFIX REFER TO THE MAINLINE EAST WASHINGTON AVENUE ALIGNMENT. ITEMS WITH THE 'WB' SUFFIX REFER TO THE WESTBOUND REFERENCE ALIGNMENTS AT EACH INTERSECTION. ITEMS WITH NO SUFFIX REFER TO THE EASTBOUND REFERENCE ALIGNMENTS AT EACH INTERSECTION.

TRAFFIC DETECTOR LOOPS

652.0900 655.0800 SPV.0090.201 SPV.0090.209

LOOP NO.	HOEM RUN PB	LOCATION	FT	SIZE		NO. OF TURNS	Loop Detector	Loop Detector	Loop Detector	Sawed in
				X	FT		Slots LF	Wire LF	Lead In Cable LF	Bicycle Loop Detection LF
21	PB2		6	X	10	5	63	327	274	
22	PB2		6	X	10	5	53	277	274	
23	PB2		6	X	10	5	43	227	274	
24	PB3		6	X	10	5	47	247	76	
25	PB1		6	X	10	5	57	297	22	
26	PB1		6	X	10	5	46	242	22	
31	PB11		6	X	10	4	53	224	134	
32	PB11		6	X	10	4	46	196	134	
41	PB5		6	X	10	4	51	216	175	
42	PB5		6	X	10	4	45	192	175	
401	PB5		6	X	3	3				24
51	PB3		6	X	10	5	37	197	76	
52	PB3		6	X	10	5	38	202	76	
61	PB8		6	X	10	5	65	337	565	
62	PB8		6	X	10	5	54	282	565	
63	PB8		6	X	10	5	44	232	565	
64	PB9		6	X	10	5	49	257	245	
65	PB7		6	X	10	5	59	307	303	
66	PB7		6	X	10	5	48	252	303	
TOTAL							898	4511	4258	24

TRAFFIC SIGNAL EQUIPMENT

SPV.0060.256 SPV.0060.249 SPV.0060.247 SPV.0060.242 SPV.0060.244 SPV.0060.251 SPV.0060.253 SPV.0060.255 SPV.0060.228 SPV.0060.279											
SIGNAL BASE NO.	Install Pedestal (Green) EACH	Install Traffic Standards Aluminum 13-FT (Green) EACH	Install Pole 20-Foot 7 Gauge (Green) EACH	Install Lighting Assembly Type III EACH	Install Lighting Assembly Type III Pole EACH	Install Traffic Signal Trombone Arm 15-Foot (Green) EACH	Install Traffic Signal Trombone Arm 20-Foot (Green) EACH	Install Traffic Signal Trombone Arm 25-Foot (Green) EACH	Install Platform APS System 4 Push Buttons EACH	FOR INFORMATIONAL PURPOSE ONLY APS PUSH BUTTON EACH	Install Pedestrian Push Buttons EACH
SB1	1	1									1
SB2			1				1				1
SB3			1				1				1
SB4											1
SB5			1			1					1
SB6	1	1								1	
SB7			1					1		2	
SB8			1			1				1	
SB9				1	1						1
SB10			1			1					1
CB1									1		
TOTAL	2	2	6	1	1	3	2	1	1	4	7

Mark	REMOVED EVF DETECTORS-APS/PB UPDATE	1/27/2023	TSI	BY
Designed By:	TSI	Date:	REVISION	Scale: NTS
60631225P		1/16/2023		

MISCELLANEOUS QUANTITIES: E WASHINGTON AVE AT MELVIN CT/RETHKE AVE 60631225P
BUS RAPID TRANSIT CITY OF MADISON, DANE COUNTY, WI
CITY OF MADISON CONTRACT NO: 60631225C



60631225P
MQ-64S

TRAFFIC SIGNAL EQUIPMENT

SPV.0060.273		SPV.0060.274		SPV.0060.280		SPV.0060.277		SPV.0060.209		SPV.0060.210		SPV.0060.216		SPV.0060.217		SPV.0060.219		SPV.0060.228		SPV.0060.279		SPV.0060.232			
SIGNAL BASE NO.	Install Pedestal Bases EACH	Install Transformer Bases Breakaway 11 1/2-Inch Bolt Circle EACH		Install Traffic Signal Standards Aluminum 10-FT FT EACH		Install Traffic Signal Standards Aluminum 13- FT EACH		Install Pole 20- Foot 7 Gauge Single Mount EACH		Install Pole 30- Foot 7 Gauge Single Mount EACH		Install Traffic Signal Trombone Arm 15-Foot EACH		Install Traffic Signal Trombone Arm 20-Foot EACH		Install Traffic Signal Trombone Arm 25-Foot EACH		Install Platform APS System 4 Push Buttons EACH		FOR INFORMATIONAL PURPOSE ONLY APS PUSH BUTTON EACH		Install Pedestrian Push Buttons EACH		Install LED Luminaire and Mounting Bracket Type I EACH	
SB1		1				1								1											
SB2	1			1																		1			
SB3	1			1																		1			
SB4	1			1																					
SB5		1				1						1													
SB6		1				1								1											
SB7		1						1								1								1	
SB8																									
SB9	1			1																		1			
SB10	1			1																					
SB11		1				1						1													
SB12		1				1										1									
SB13	1			1																					
SB14	1			1																					
CB1																									
TOTAL	7	6		4		3		5		1		2		1		3		1		4		4		1	

TRAFFIC SIGNAL CABINET

SPV.0060.229		SPV.0060.231	
		Install NEMA	
		TS2 Type 1	
		Traffic	
		Controller	
		Cabinet	
		Optical Signal	
		Preempt	
		System	
LOCATION	EACH	EACH	
WASHINGTON & INDEPENDENCE	1	1	

SIGNAL MOUNTING HARDWARE

SPV.0105.288	
Install Signal Mounting Hardware (Independence)	
LOCATION	L.S.
WASHINGTON & INDEPENDENCE	1

ELECTRICAL SERVICE

		SPV.0105.2002
		Install Electrical Service Meter Breaker Pedestal (Independence)
CABINET		L.S.
NO.	LOCATION	
CB1	WASHINGTON & INDEPENDENCE	1

REMOVED EVD DETECTORS-APS/PB UPDATE	1/27/2023	TSI	BY
REVISION	DATE	Scale: N/T'S	
Mark	Designed By: TSI	Date: 1/16/2023	

MISCELLANEOUS QUANTITIES: E WASHINGTON AVE AT INDEPENDENCE LN	60631225P
BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI
CITY OF MADISON	CONTRACT NO: 60631225C



60631225P
MQ-68S

INSTALL CONDUIT INTO EXISTING ITEM

652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH	
LOCATION	
High Point	2
Randolph	2
Westfield	2
Rosa	1
Eau Claire	3
Campus Drive	2
Campus Mall	1
TOTAL	13

TEMPORARY LIGHTING

SPV.0105.256 TEMPORARY STREET LIGHTING	
LOCATION	L.S.
Project	1
TOTAL	1

LIGHTING CONTROL CABINET

SPV.0060.264 INSTALL LIGHTING CONTROL CABINET EACH		
LIGHTING BASE NO.	** LOCATION	
LC1	JUNCTION	1
LC1	GAMMON	1
LC1	ISLAND	1
LC1	SEGOE	1
TOTAL		4

PULL BOXES

		SPV.0060.201 ELECTRICAL PULL BOX TYPE I EACH	
SECTION	PULL BOX NO.	LOCATION	
Junction	LPB1	0+58, 32' LT	1
	LPB2	1+15, 32' LT	1
	LPB3	1+15, 08' RT	1
	LPB4	1+52, 08' RT	1
	LPB5	6+26, 05' RT	1
	LPB6	6+26, 18' LT	1
	LPB7	1+17, 68' RT	1
	LPB8	6+93, 07' RT	1
	LPB9	7+10, 50' LT	1
	LPB10	0+09, 107' LT	1
Gammon	LPB1	118+79, 92' LT	1
	LPB2	117+76, 94' LT	1
	LPB3	117+31, 56' LT	1
	LPB4	117+29, 45' RT	1
	LPB5	119+45, 76' LT	1
	LPB6	119+44, 46' RT	1
Eau Claire	LPB1	12+47, 29' LT	1
Segoe	LPB1	30+18, 21' LT	1
	LPB2	30+18, 27' RT	1
Campus Drive	LPB1	416+47, 46' RT	1
	LPB2	417+91, 50' RT	1
Orchard	LPB1	813+55, 38' LT	1
Campus Mall	LPB1	833+36, 34' LT	1
	LPB2	834+25, 39' LT	1
TOTAL			24

CONCRETE BASES

SPV.0060.205 SPV.0060.206 SPV.0060.207

		CONCRETE BASES TYPE LB-3 EACH		CONCRETE BASES TYPE LB-8 EACH		CONCRETE BASE TYPE P EACH	
SECTION	LIGHTING BASE NO.	LOCATION					
Junction	1	2+33, 13' RT	1				
	2	3+47, 6' RT	1				
	3	4+64, 15' RT	1				
	4	6+30, 17' LT	1				
	6	8+77, 16 RT	1				
	7	7+69, 16' RT	1				
	8	7+12, 50' LT	1				
	LC1	0+54, 31' LT				1	
Gammon	LC1	119+35, 77' LT				1	
Grand Canyon	762	135+57, 2' RT	1				
Island	LC1	161+38, 93' LT				1	
Rosa	838	181+16, 01' LT	1				
Eau Claire	1454	12+47, 29' LT	1				
Segoe	LC1	12+47, 29' LT				1	
Campus Drive	57053	417+92, 47' RT	1				
	6612	416+47, 42' RT	1				
	6611	414+84, 41' RT	1				
	6608	412+91, 38' RT	1				
	DMS1	413+25, 38' RT			1		
Campus Mall	52624	836+03, 33' LT	1				
TOTAL			15		1		4

REMOVE AND SALVAGE LIGHTING

		204.0195 REMOVING CONCRETE BASES EACH		SPV.0060.243 REMOVING STREET LIGHTING ASSEMBLY EACH	
NO.	LOCATION				
EXISTING	Grand Canyon	2		2	
	Island	2		2	
	Rosa	1		1	
	Eau Claire	1		1	
	Segoe	1		1	
	Campus Drive	4		4	
	Campus Mall	1		1	
TOTAL		12		12	

60631225P

MISCELLANEOUS QUANTITIES: WEST LIGHTING

BUS RAPID TRANSIT

CITY OF MADISON

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

60631225P

MQ-1L

60631225P

MQ-1L

SECTION	LOC.	TO	LOC.	LINEAR DISTANCE	NUMBER OF CONDUITS	652.0225	652.0235	652.0325	652.0335	652.0605	652.0615	IN CONDUIT RUN		IN LIGHT POLE		SPV.0090.202	655.0620	655.0630	655.0645
						CONDUIT RIGID NONMETALLIC SCHEDULE 40	CONDUIT RIGID NONMETALLIC SCHEDULE 40	CONDUIT RIGID NONMETALLIC SCHEDULE 80	CONDUIT RIGID NONMETALLIC SCHEDULE 80	CONDUIT SPECIAL	CONDUIT SPECIAL	WIRE SLACK LF	NUMBER OF WIRES (INCLUDING GROUND WIRE)	LENGTH OF WIRE IN POLE	NUMBER OF WIRES (INCLUDING GROUND WIRE)	ELECTRICAL WIRE LIGHTING 14-3 UF GROUNDED EACH	ELECTRICAL WIRE LIGHTING 8 AWG L.F.	ELECTRICAL WIRE LIGHTING 4 AWG L.F.	ELECTRICAL WIRE LIGHTING 1/0 AWG L.F.
						2-INCH L.F.	3-INCH L.F.	2-INCH L.F.	3-INCH L.F.	2-INCH L.F.	3-INCH L.F.								
Island	LC1		PB1	21	1	-	21	-	-	-	-	23	8			-	88	264	-
	PB1		PB11	31	-	-	-	-	-	-	-	30	4			-	61	183	-
	PB1		PB9	47	-	-	-	-	-	-	-	30	4			-	77	231	-
	PB9		181	162	1	152	-	-	-	-	-	18	4			-	180	540	-
	PB1		PB2	50	-	-	-	-	-	-	-	30	4			-	80	240	-
	PB2		PB3	43	-	-	-	-	-	-	-	30	4			-	73	219	-
	PB3		PB4	54	-	-	-	-	-	-	-	30	4			-	84	252	-
	PB4		180	103	1	13	-	-	-	-	-	18	4			-	121	363	-
	PB4		PB9	101	2	-	-	-	-	-	202	-	-			-	-	-	-
	METER		LC1	8	1	-	8	-	-	-	-	11	3			-	-	-	57
SECTION SUBTOTAL						165	29	0	0	0	202					0	764	2292	57
Rosa	EXPL839		838	175	1	10	-	-	-	-	-	18	-	42	1	42	-	-	-
	838		PB10	155	1	155	-	-	-	-	-	18	4			-	173	519	-
	PB10		PB3	104	2	-	-	-	-	-	208	30	4			-	134	402	-
	PB3		837	128	1	128	-	-	-	-	-	18	4			-	146	438	-
SECTION SUBTOTAL						293	0	0	0	0	208					42	453	1359	0
Eau Claire	1452		LPB2	5	1	-	-	-	-	-	-	18	4			-	23	69	-
	LBP2		LBP3	37	1	-	-	-	-	-	-	30	4			-	67	201	-
	LPB3		1454	82	1	82	-	-	-	-	-	18	4	42	1	42	100	300	-
	1454		1458	306	1	124	-	-	-	-	-	6	4			-	312	936	-
	1459		LPB4	4	1	-	-	-	-	-	-	18	4			-	22	66	-
	LPB4		LPB1	35	2	-	-	-	-	-	70	30	4			-	65	195	-
	LPB1		1455	223	1	223	-	-	-	-	-	18	4			-	241	723	-
SECTION SUBTOTAL						429	0	0	0	0	70					42	830	2490	0
Segoe	METER		LC1	18	1	18	-	-	-	-	-	-	3			-	-	-	54
	LC1		LPB1	25	1	-	-	-	-	-	25	23	4			-	48	144	-
	LC1		LPB1	24	1	24	-	-	-	-	-	-	4			-	24	72	-
	LPB1		1468	127	1	5	-	-	-	-	-	18	4			-	145	435	-
	LPB1		LPB2	50	2	-	-	-	-	-	100	30	4			-	80	240	-
	LPB2		1466	296	1	-	-	-	-	-	5	18	4						

60631225P		MISCELLANEOUS QUANTITIES: WEST LIGHTING	60631225P
		BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI
		CITY OF MADISON	CONTRACT NO: 60631225C