CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT
BIKEWAYS 2023

Madison, Wisconsin

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CITY PROJECT NO. 14336
CONTRACT NO. 8696

EARTHWORK SUMMARY:

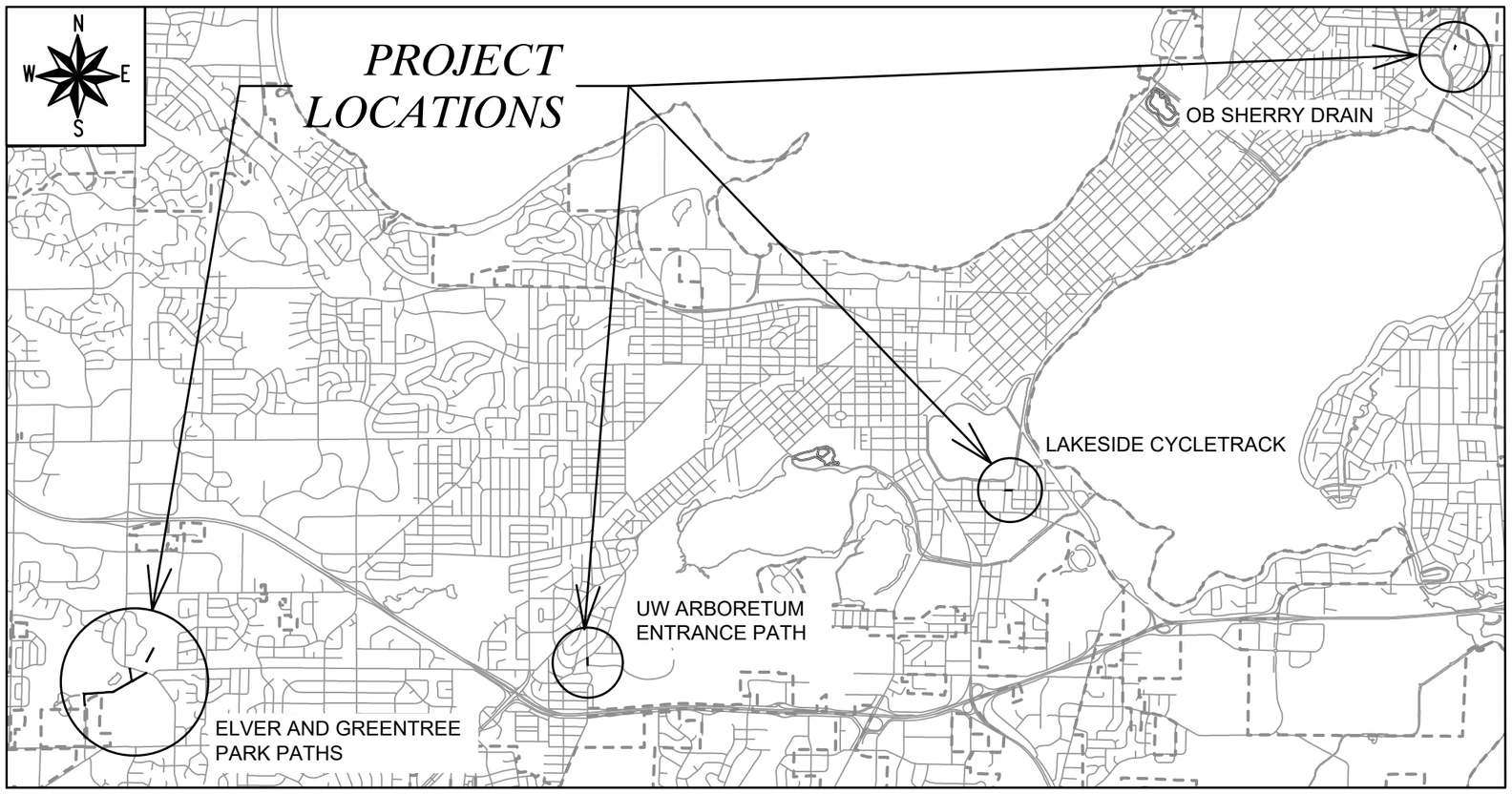
EXCAVATION CUT (MEASURED PLAN QUANTITY)..... 422 CY

ESTIMATED UNDISTRIBUTED UNDERCUT..... 180 CY

TOTAL UNCLASSIFIED EXCAVATION CUT.....602 CY

REVISION #2- 7/11/2024
REVISED THE
FOLLOWING:
SHEET P-1
SHEETS U-1, U-STM

REVISION #3- 8/20/2024
REVISED THE
FOLLOWING:
SHEET M-1



PUBLIC IMPROVEMENT PROJECT APPROVED

JANUARY 9TH, 2024

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Jan 18, 2024

City Engineer — Date

STREET DESIGNED BY:

WISCONSIN
AARON J. CANTON
E-100133
MADISON WI
PROFESSIONAL ENGINEER

Jan 18, 2024

STORM SEWER DESIGNED BY:

WISCONSIN
GREGORY T. FRIES
E-30656
MADISON WI
PROFESSIONAL ENGINEER

Jan 18, 2024

PAVEMENT MARKINGS DESIGNED BY:

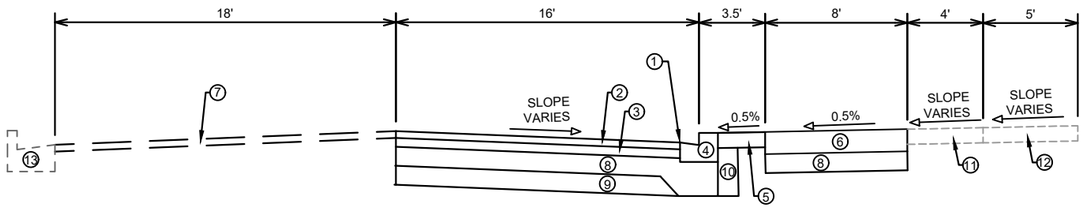
WISCONSIN
THOMAS A. MOHR
E-42481
MADISON WI
PROFESSIONAL ENGINEER

Jan 18, 2024

SANITARY SEWER DESIGNED BY:

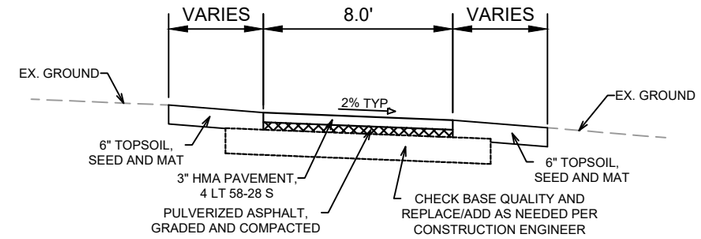
WISCONSIN
MARK D. MODER
E-33979
MADISON WI
PROFESSIONAL ENGINEER

Jan 18, 2024



LAKESIDE STREET TYPICAL SECTION
LAKESIDE CYCLETRACK
FACING EAST
SEE SHEET P-1

1. POINT REFERRED TO ON PROFILE
2. 2.00" HMA PAVEMENT, TYPE 4 LT 58-28 S (UPPER LAYER).
3. 3.50" HMA PAVEMENT, TYPE 3 LT 58-28 S (LOWER LAYER).
4. MODIFIED TYPE 'H' CURB & GUTTER, SEE DETAIL THIS SHEET
5. 5" CONCRETE TERRACE
6. 7" CONCRETE CYCLETRACK WITH SAWED JOINTS
7. 2" MILL & OVERLAY
8. 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE
9. 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE
10. FILL INCIDENTAL TO CURB AND GUTTER INSTALLATION
11. EXISTING TERRACE TO REMAIN. SELECT AREAS OF CONCRETE TERRACE AND DRIVEWAY TO BE REPLACED AS SHOWN ON PLANS
12. SPOT REPLACE 5" CONCRETE SIDEWALK AS SHOWN ON PLANS
13. CONCRETE CURB AND GUTTER TYPE 'A' TO REMAIN

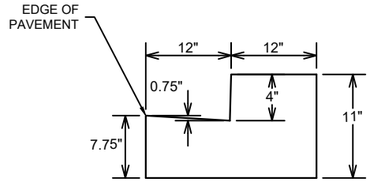


PATH TYPICAL SECTION
ELVER PARK PATH (SEE PLAN FOR SLOPE DIRECTION)

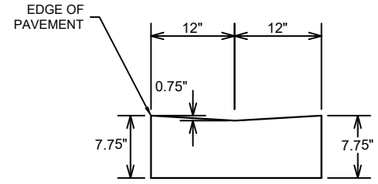
CONVENTIONAL SIGNS
FIELD VERIFY ALL UTILITY LOCATIONS

GAS	G
STORM SEWER	ST
SANITARY SEWER	SN
WATER	W
BURIED ELECTRIC	E
OVERHEAD ELECTRIC	OH
POWER POLE	
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

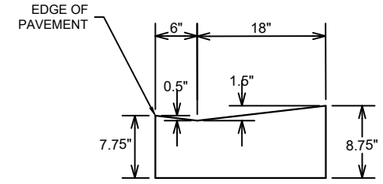
PAVEMENT MARKING EPOXY, SPECIAL BIKE SYMBOL WITH RIGHT ARROW
SEE SHEET M-7 AND SPECS



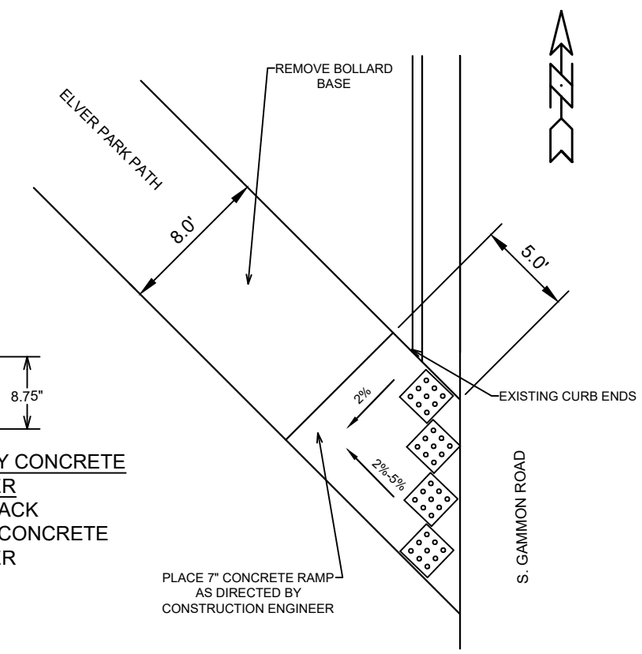
MODIFIED TYPE 'H' CONCRETE CURB AND GUTTER
LAKESIDE CYCLETRACK
SEE SHEET P-1



MODIFIED TYPE 'H' PEDESTRIAN CONCRETE CURB AND GUTTER
LAKESIDE CYCLETRACK
PAY AS MODIFIED TYPE 'H' CONCRETE CURB AND GUTTER
SEE SHEET P-1



MODIFIED TYPE 'H' DRIVEWAY CONCRETE CURB AND GUTTER
LAKESIDE CYCLETRACK
PAY AS MODIFIED TYPE 'H' CONCRETE CURB AND GUTTER
SEE SHEET P-1

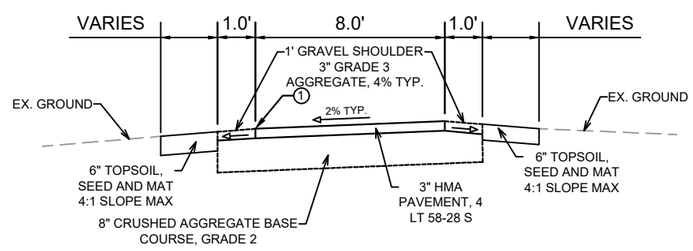


DETAIL #1
ELVER PARK PATH ENTRANCE AT GAMMON ROAD

NOTES:

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.



PATH TYPICAL SECTION
UW ARBORETUM ENTRANCE PATH
FACING NORTH
SEE SHEET P-2

SPECIAL NOTES:

- TYPICAL SECTIONS NOT TO SCALE
- SEE X-SHEETS FOR CROSS SLOPES, EDGE OF PAVEMENT ELEVATIONS, & TOP OF CURB ELEVATIONS
- ALL CONTROL JOINTS SHALL BE SAWCUT AS DIRECTED BY THE CONSTRUCTION ENGINEER

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14336

MADISON, WI

CONTRACT NO: 8696

NOTES AND DETAILS

BIKEWAYS 2023

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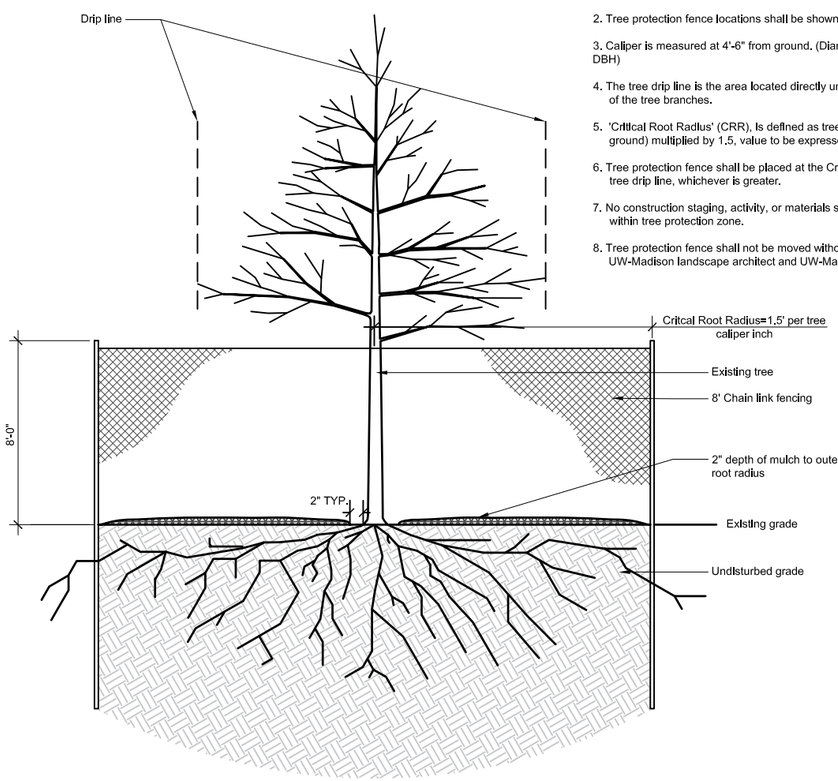
14336

D-1

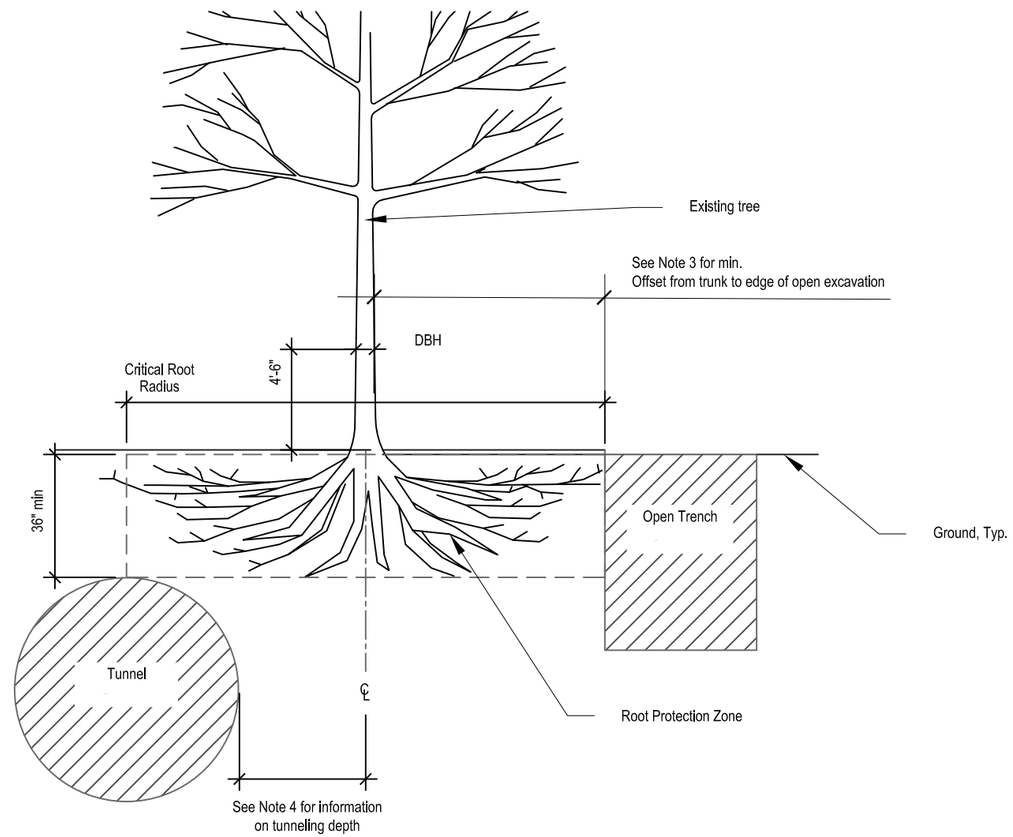


NOTES:

1. Do not drive posts into any structural root or root over 1/2" wide.
2. Tree protection fence locations shall be shown on Tree Protection Plan.
3. Caliper is measured at 4'-6" from ground. (Diameter at Breast Height-DBH)
4. The tree drip line is the area located directly under the outer circumference of the tree branches.
5. 'Critical Root Radius' (CRR), is defined as tree diameter (at 4'-6" from ground) multiplied by 1.5, value to be expressed in feet.
6. Tree protection fence shall be placed at the Critical Root Radius OR the tree drip line, whichever is greater.
7. No construction staging, activity, or materials storage shall take place within tree protection zone.
8. Tree protection fence shall not be moved without approval from UW-Madison landscape architect and UW-Madison Grounds.

1 / D-2 TREE PROTECTION FENCE DETAIL

SCALE: NOT TO SCALE



NOTES:

1. DBH [Diameter Breast Height]: The trunk diameter measured at 4'-6" above ground level.
2. CRR [Critical Root Radius]: The surface area surrounding the trunk containing the roots that provide water and nutrient uptake to the tree. It is defined as tree diameter (at 4'-6" from ground) multiplied by 1.5, value to be expressed in feet.
   a. Disturbing greater than 25% of the CRR is unacceptable unless authorized by UW-Madison landscape architect.
   b. The cluster of larger roots immediately surrounding the trunk which provides tree stability (root plate) shall be protected from damage at all times
3. Cleanly hand-cut any exposed roots within the open trench using clean and sharp tool. Do not rip or tear.

Tree diameter @ DBH	Min distance from tree trunk to open trench
Less than 6 inches	6-Feet
6-9 Inches	9-Feet
10-14 Inches	14-Feet
15-19 inches	19-Feet
More than 19 inches	Dia. @ DBH x 1-1.5 (Feet)

4. Tunnels within the CRR must be a minimum of 36" below surface grade and a minimum of 24" laterally away from trunk of tree.
5. Provide supplemental water for protected trees. 1" per week when no rainfall. Do not apply N-P-K fertilizers.

2 / D-2 TREE PROTECTION FENCE DETAIL

SCALE: NOT TO SCALE

WISCONSIN
UNIVERSITY OF WISCONSIN–MADISON

FACILITIES PLANNING AND MANAGEMENT
Campus Planning & Landscape Architecture

21 North Park Street | 6th Floor
Madison, Wisconsin 53715

Project: **Campus Standard Tree Protection**

Drawing Title: **Details**

Building Number:

File Location: L:\ACAD\PLANNING\Details, Title Blocks, Blocks\Details\Plans\Planting\PlantDetails_01.10.22.dwg

Date: 10/05/2015

Project Number:

Designed By: CPLA

Drawn By: CPLA

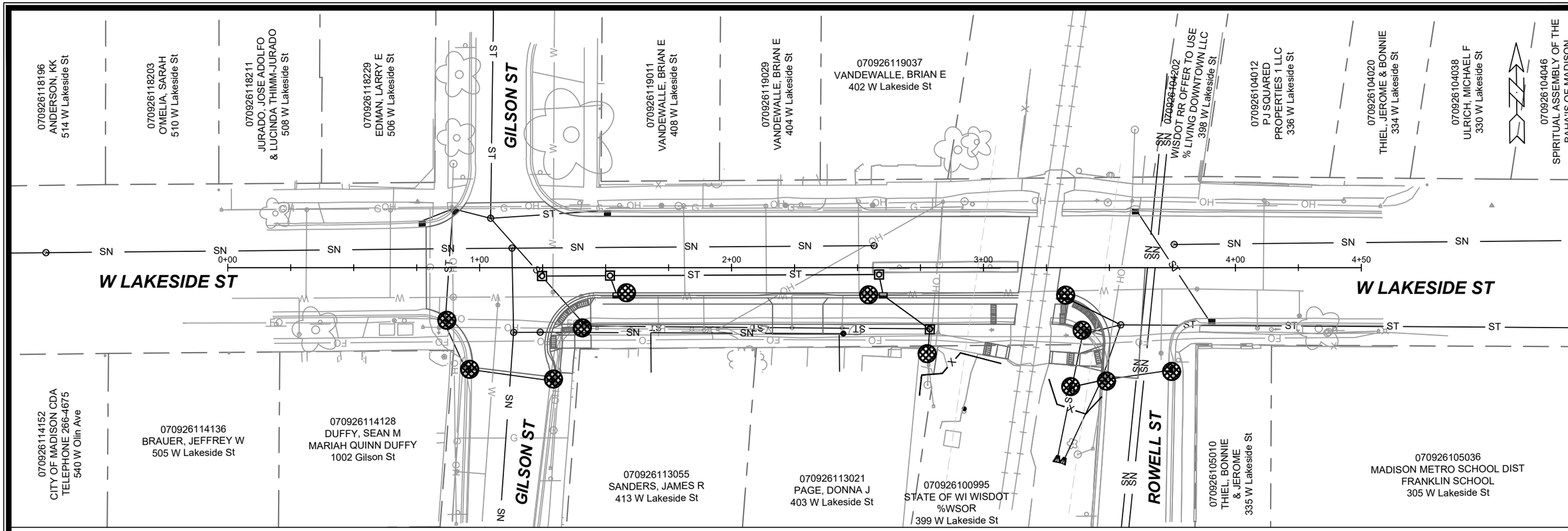
Revision No.:	Date:	By:
1	06/30/2022	JLB

Graphic Scale:

North:

Sheet: D-2

Of: 5



EROSION CONTROL NOTES:

EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH TEH WDNRSOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.

POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

RIGID FRAME INLET PROTECTION

SILT SOCK (PLACE AS NEEDED & AROUND STOCKPILES)

TYPE C INLET PROTECTION MAY ONLY BE INSTALLED IF RIGID FRAME IP WILL NOT FIT STRUCTURE.

- FABRIC FLAPS MUST BE CUT TO LEAVE LESS THAN 6" AROUND GRATE.
- 2"X4" MUST BE INSTALLED AND EXTEND BEYOND CURB OPENINGS.
- FILTER MUST BE SECURED WITH WIRE OR PLASTIC TIES.
- FILTER FABRIC MUST BE CLEARED OF DEBRIS AFTER EACH RAIN EVENT, OR WEEKLY AT A MINIMUM.

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Madison, WI

8696

CONTRACT NO:

EROSION CONTROL - W LAKESIDE ST

BIKEWAYS 2023

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CITY OF MADISON WISCONSIN

14336

EC-1

STA 100+94.56, 35.64' LT
850.67 SAWCUT/MATCH

STA 101+25.81, 36.14' LT
850.99 SAWCUT/MATCH

STA 101+19.34, 10.00' LT
851.78 CROWN/MATCH

TRANSITION CROWN 5' TO THE NORTH ALONG LINE AS SHOWN

RADIAL DETECTABLE WARNING FIELD PER WISDOT SDD 08D05-21G SEE SPECS.
RADIAL LONG CHORD = 15'
RADIAL WARNING FIELD AREA = 32.8 SF

ASPHALT LIMITS AT RR TRACK PANELS, TYP.

STA 103+30.64, 10.00' LT
856.77 SAWCUT/MATCH
STA 103+30.64, 0.00'
856.78 EP/PC
STA 103+32.38, 0.12' RT
856.75 EP/LO POINT

STA 101+19.85, 14.84' LT
851.73 MATCH
STA 100+76.76, 26.09' LT
850.73 SAWCUT/MATCH

STA 101+50.00, 15.00' LT
852.25 CROWN/MATCH

LAKESIDE STREET

REMOVE EXISTING MEDIAN. PAY AS REMOVE CONCRETE SIDEWALK & DRIVE

STA 103+12.18, 12.50' RT
856.94 BP/MATCH.

STA 103+27.30, 12.51' RT
857.00 BP/MATCH

STA 103+32.35, 12.50' RT
856.96 BP/RAMP
STA 103+44.77, 6.33' RT
856.82 EP/MC
STA 103+64.23, 10.00' LT
856.85 SAWCUT/MATCH

STA 100+78.86, 6.42' RT
850.85 SAWCUT/MATCH

1+00 2+00 3+00

30' 16'

STA 101+29.69, 8.91' RT
851.50 EP/MC

STA 101+46.86, 0.00'
851.40 EP/PT
STA 101+54.50, 0.00'
851.36 EP/LO POINT

MODIFIED TY. 'H' CURB

DWY MODIFIED TY. 'H' CURB

101+00 102+00 103+00

WISCONSIN & SOUTHERN RAILROAD: SEE NOTE 1

STA 103+33.44, 23.71' RT
857.25 FW/KEYSTONE
STA 103+50.13, 21.31' RT
857.07 EP/PT

5" THICK CONC TERRACE
8' CONC PATH W/ SAWED JOINTS
5" THICK CONC TERRACE
8' CONC PATH W/ SAWED JOINTS

R=21 R=20 R=19

0.5% 1.3% 0.5% 0.5% 12' 3.5' 8' 4.8% 1.5% 1.5% 4.8% 0.5% 4' 30' 0.6% 0.9% 3.1% 1.1%

STA 101+26.05, 23.85' RT
851.88 EP/END CURB TRANSITION

2.0% 2.0% 1.8% 2.0% 1.5% 7.0%

STA 100+96.81, 32.41' RT
851.55 SAWCUT/MATCH

STA 101+50.00, 12.50' RT
851.71 BP/KEYSTONE

STA 102+16.26, 12.50' RT
853.33 BP/DWY

STA 101+44.16, 12.50' RT
851.68 BP/RAMP

STA 101+44.29, 21.84' RT
852.05 BW/MATCH

RESTORE 4' WIDE TERRACE AREA WITH TOPSOIL, SEED, AND MAT TYP.

RR GATE ARMS. SEE NOTE 1.

TY. 'A' CURB

STA 103+33.08, 28.58' RT
857.20 BW/KEYSTONE
(857.11 BW/KEYSTONE/EX)

STA 103+61.33, 33.96' RT
857.57 SAWCUT/MATCH

STA 101+14.05, 34.66' RT
852.32 SAWCUT/MATCH

STA 101+27.09, 28.08' RT
852.01 EP/PRC/BEGIN CURB TRANSITION

REMOVE EXISTING DRIVEWAY APRON AND INSTALL CONC DRIVEWAY AS SHOWN

RADIAL DETECTABLE WARNING FIELD PER WISDOT SDD 08D05-21G SEE SPECS.
RADIAL LONG CHORD = 14'
RADIAL WARNING FIELD AREA = 27.6 SF

STA 103+38.43, 24.04' RT
857.33 FW/RAMP

STA 103+49.40, 33.18' RT
857.31 EP/MATCH

STA 101+37.74, 16.79' RT
851.94 FW/KEYSTONE
(851.81 FW/KEYSTONE/EX)

STA 102+46.26, 12.50' RT
854.20 BP/DWY

STA 103+38.07, 28.94' RT
857.27 BW/RAMP

ROWELL STREET

STA 101+28.04, 33.30' RT
852.14 EP/PC/BEGIN CURB

STA 101+37.79, 21.97' RT
852.02 BW/KEYSTONE
(851.86 BW/KEYSTONE/EX)

STA 101+36.85, 32.04' RT
852.63 BW/MATCH

TY. 'A' CURB

GILSON STREET

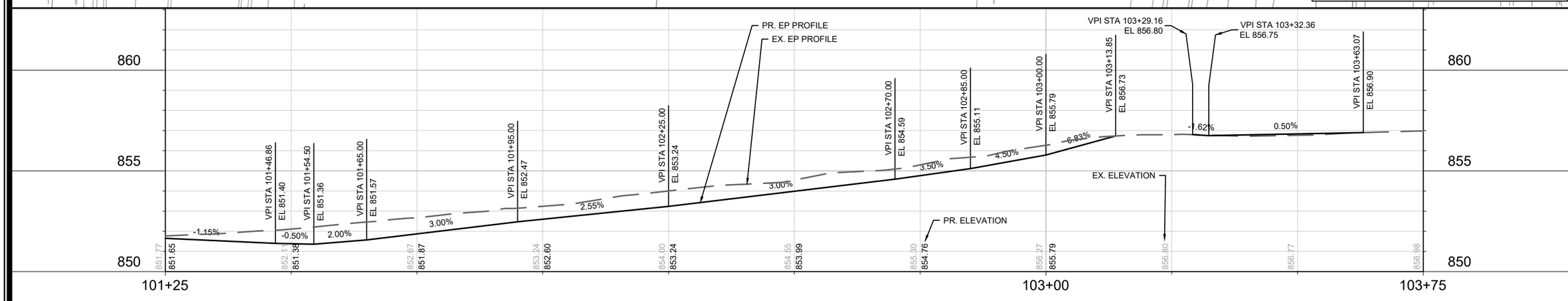
070926113055
SANDERS, JAMES R
413 W Lakeside St

070926113021
PAGE, DONNA J
403 W Lakeside St

REVISION 2:
WIDENED DRIVEWAY TO MATCH EXISTING ELEVATIONS

LEGEND
7" CONCRETE DRIVEWAY, PATH, AND RAMPS
2" MILL & OVERLAY 4LT 58-28S

NOTES:
1. TAKE CARE TO AVOID DISTURBING OR DAMAGING RAILROAD EQUIPMENT AND INFRASTRUCTURE. TAP PERMIT REQUIRED TO WORK IN RAILROAD ROW. SEE SPECS
2. ALL CONCRETE IS 5" UNLESS OTHERWISE NOTED



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CONTRACT NO: ####

PLAN & PROFILE LAKESIDE CYCLETRACK

BIKEWAYS 2023

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STA 0+50.51, 16.43' LT
935.37 EP/MC

STA 0+53.79, 8.00' RT
936.38 BP/RAMP

STA 0+43.68, 1.79' LT
935.92 EP/PC

REMOVE AND REPLACE ASPHALT PAVEMENT AS NECESSARY TO INSTALL CURB

STA 0+64.71, 22.52' LT
934.83 EP/PT

STA 0+74.60, 23.75' LT
934.35 EP/END CURB

INSTALL TREE PROTECTION, SEE SHEET D-2. NRC. CITY FORESTRY AND UW ARBORETUM STAFF MUST BE ON SITE FOR INSTALLATION OF TREE PROTECTION AND FOR ANY EXCAVATION AROUND TREE. SEE SPECS.

SEMINOLE HIGHWAY

1'-0" GRAVEL SHOULDER, TYP.

APPROXIMATE GRADING LIMITS. RESTORE ALL DISTURBED AREAS BETWEEN LIMITS AND GRAVEL SHOULDER, TYP.

TIE RAMP INTO EXISTING CURB. MATCH EXISTING LOCATION.

RIGID FRAME INLET PROTECTION

CONSTRUCTION ENTRANCE

PROTECT EX. PAVEMENT EDGE

STA 2+02.87, 8.00' RT
931.12 BP/PT

STA 2+39.20, 8.00' RT
930.20 BP/KEYSTONE

STA 2+75.33, 3.61' LT
929.29 EP/BEGIN CURB

STA 2+89.37, 11.71' RT
928.36 EP/END CURB

PC STA 0+62.32

PT STA 2+02.87

ROW

R=22

23'

R=68

R=60

R=150

R=142

R=47

8' ASPHALT PATH

1+00

2+00

3+00

3.8%

7.7%

4.8%

6.4%

4.5%

6.7%

6'

8'

1'

5'

8.5'

STA 0+42.07, 24.83' RT
937.07 EP/BEGIN CURB

6' CURB TRANSITION

STA 1+77.42, 8.00' RT
931.95 BP/MC

STA 1+51.97, 8.00' RT
932.98 BP/PRC

STA 2+45.05, 8.00' RT
930.11 BP/KEYSTONE

STA 2+69.30, 8.00' RT
929.63 BP/RAMP

MANITOU WAY

STA 1+01.65, 8.00' RT
935.20 BP/PRC

STA 1+26.75, 8.00' RT
934.15 BP/MC

1'-0" GRAVEL SHOULDER, TYP.

MAINTENANCE EASEMENT BOUNDARY

STA 2+64.30, 8.00' RT
929.71 BP/KEYSTONE

PLACE EROSION CONTROL SILT SOCK ALONG MCCAFFREY DRIVE AND AROUND STOCKPILES TO PREVENT WASHOUT

REMOVE EXISTING SHOULDER STONE AND REPLACE WITH TOPSOIL SEED AND MAT

STA 0+82.67, 8.00' RT
935.81 BP/KEYSTONE/MC

STA 0+62.33, 8.00' RT
936.25 BP/KEYSTONE/PC

TEMPORARY LIMITED EASEMENT BOUNDARY

CREATE GAP IN FENCING TO ALLOW PEDESTRIAN USE OF DESIRE PATHS DURING CONSTRUCTION, THEN REMOVE GAP WHEN PATH IS COMPLETE

PLACE CONSTRUCTION FENCING ALONG TLE BOUNDARY AS DIRECTED BY THE CONSTRUCTION ENGINEER TO PROTECT EXISTING RESTORED PRAIRIE AND CUT OFF DESIRE PATHS. CONSTRUCTION FENCING TO REMAIN AND BE REMOVED BY ARBORETUM STAFF.

STA 0+42.43, 18.84' RT
936.77 EP/BEGIN FULL CURB HEAD

PLACE CLASS 2 STONE TO DIRECT SHOULDER FLOW LINE INTO GUTTER

MCCAFFREY DRIVE
(CITY ROW MAINTAINED BY UW)

CREATE GAP IN FENCING TO ALLOW PEDESTRIAN USE OF DESIRE PATHS DURING CONSTRUCTION, THEN REMOVE GAP WHEN PATH IS COMPLETE

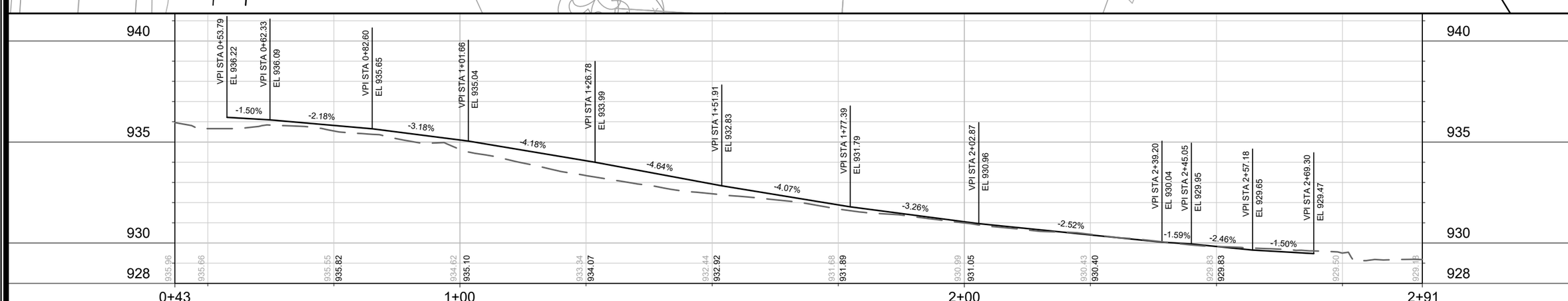
EXISTING RESTORED PRAIRIE:
CONTRACTOR TO MINIMIZE DISTURBANCE OF EXISTING VEGETATION. RESTORE ALL DISTURBED AREAS OUTSIDE OF PATH ALIGNMENT WITH TOPSOIL, SEED AND MAT 6".

EXISTING UW WALL

LEGEND

SPOT REPLACE CURB & GUTTER (TYPE 'A')

7" CONCRETE



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P-2

14336

MADISON, WI

CONTRACT NO: 8696

PLAN & PROFILE UW ARBORETUM ENTRANCE PATH

BIKEWAYS 2023

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CITY OF MADISON WISCONSIN

14336

P-2

MARK	REVISION	DATE	BY
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Designed By: MFG | Date: 1/12/2024 12:48 PM | Scale: ########

14336

MADISON, WI

CONTRACT NO: 8696

ELVER AND GREENTREE PARK PATHS

BIKEWAYS 2023

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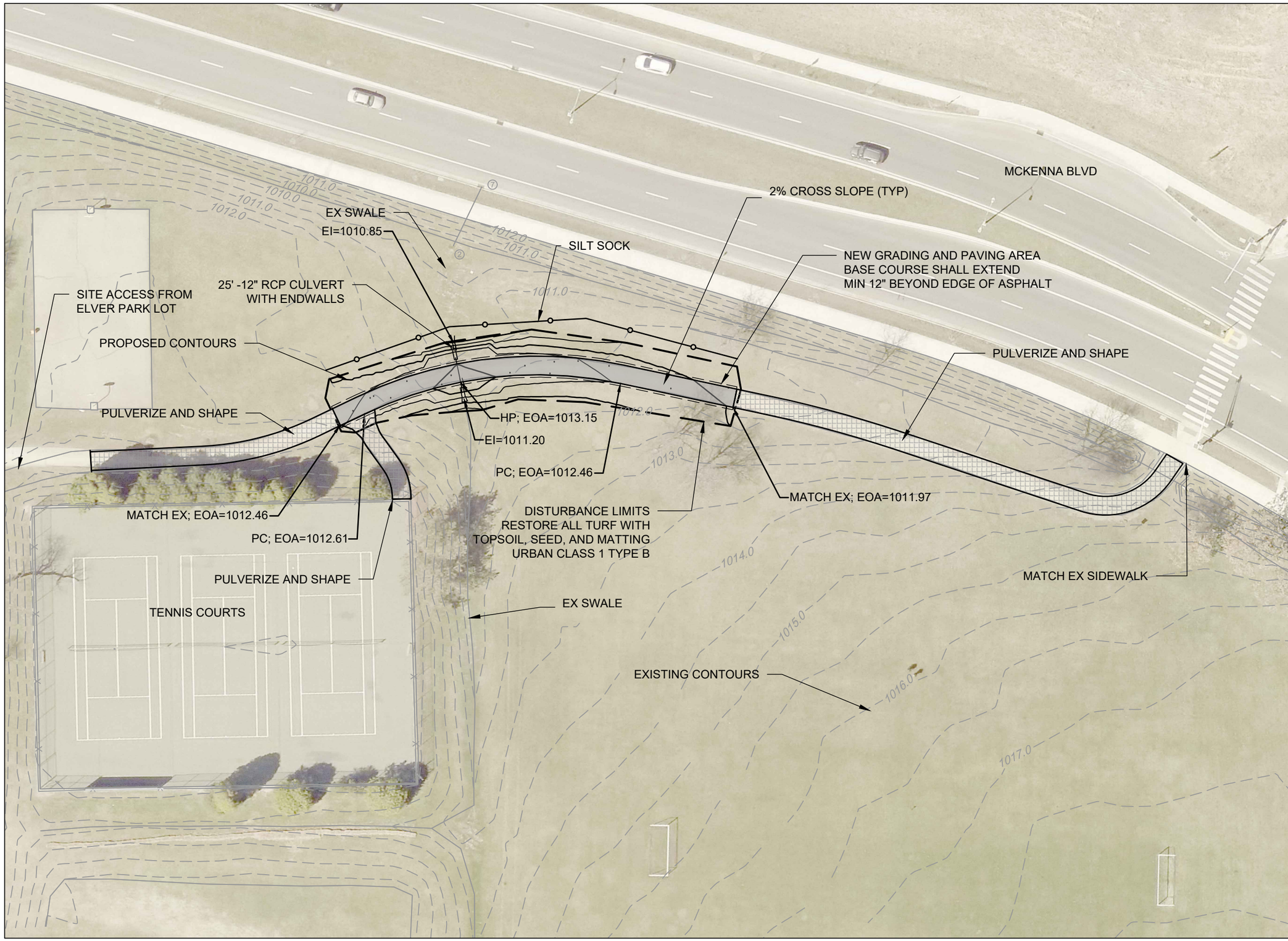
CITY OF MADISON WISCONSIN

14336

P-3



City of Madison
Department of Public Works
PARKS DIVISION
City-County Building, Suite 104
210 Martin Luther King, Jr. Blvd.
Madison, WI 53703

play MADISON PARKS

Graphical Scale
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N

PROJECT:

BIKEWAYS 2023

PROJECT ADDRESS:

ELVER PARK
1250 MCKENNA BLVD
MADISON, WI 53719

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE

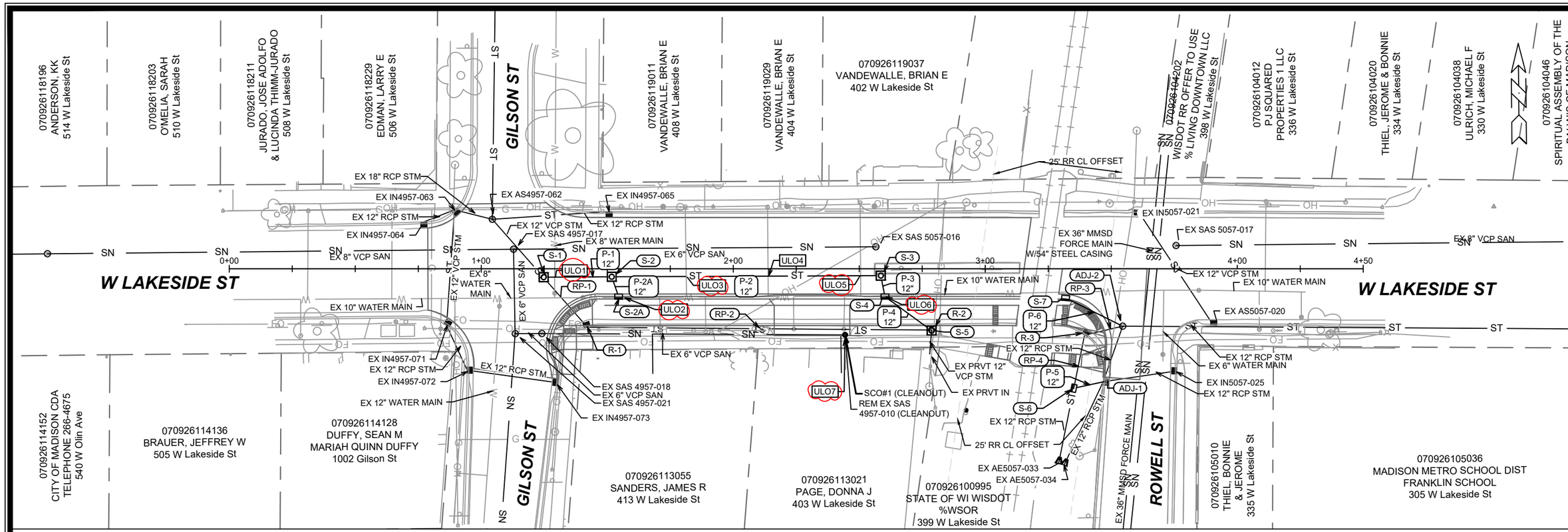
PUBLIC WORKS PROJECT #:
14336

SHEET TITLE:

GRADING AND PAVING

SHEET NUMBER:

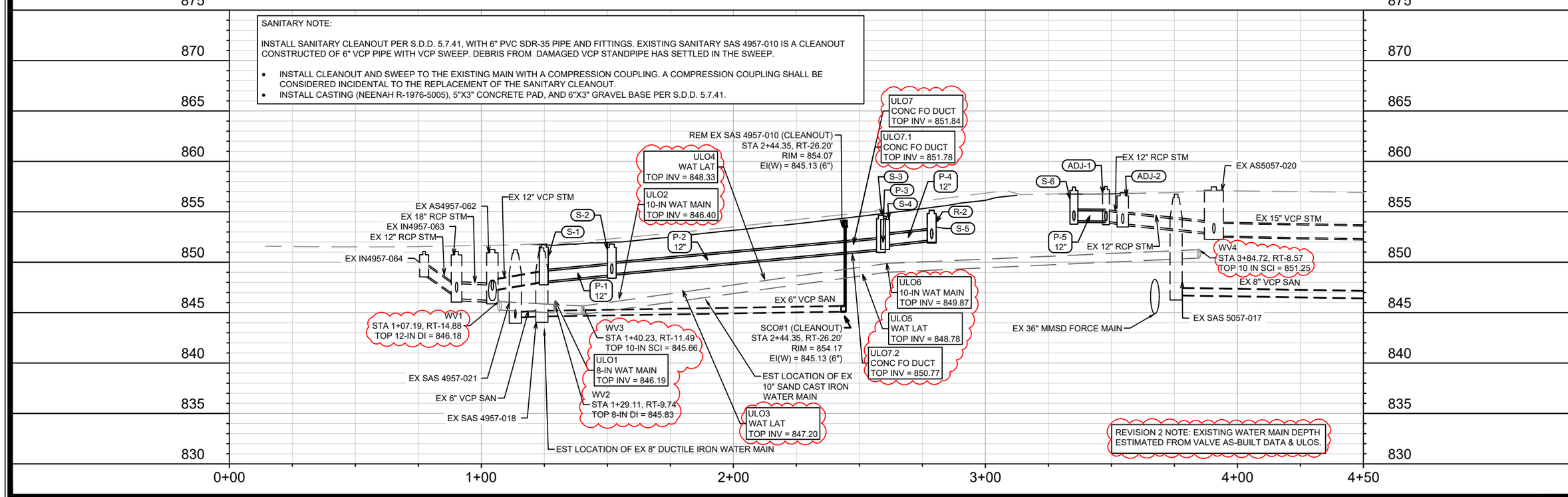
P-3A



SANITARY NOTE:

INSTALL SANITARY CLEANOUT PER S.D.D. 5.7.41, WITH 6" PVC SDR-35 PIPE AND FITTINGS. EXISTING SANITARY SAS 4957-010 IS A CLEANOUT CONSTRUCTED OF 6" VCP PIPE WITH VCP SWEEP. DEBRIS FROM DAMAGED VCP STANDPIPE HAS SETTLED IN THE SWEEP.

- INSTALL CLEANOUT AND SWEEP TO THE EXISTING MAIN WITH A COMPRESSION COUPLING. A COMPRESSION COUPLING SHALL BE CONSIDERED INCIDENTAL TO THE REPLACEMENT OF THE SANITARY CLEANOUT.
- INSTALL CASTING (NEENAH R-1976-5005), 5"X3" CONCRETE PAD, AND 6"X3" GRAVEL BASE PER S.D.D. 5.7.41.



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REV2	ULO UPDATES	7/11/24	DAO

Designed By: DAO | Date: 7/11/2024 10:19 AM | Scale: 1" = 40'

14336

CONTRACT NO: 8696

Madison, WI

SEWER PLAN AND PROFILE - W LAKESIDE ST

BIKEWAYS 2023

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14336

U-1

STORM & SANITARY SEWER SCHEDULE

*** REVISION 2 - 7/11/2024 DAO**

BIKEWAYS 2023	SHEET NO.
PROJECT NO. 14336	U-2
STORM SEWER SCHEDULE	
W LAKESIDE ST	CITY OF MADISON

U-2

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOC (OFFSET)	TYPE	TOC	E.I.	DEPTH (FT)	NOTES
W LAKESIDE ST							
S-1	1+24.75	RT-3.34	3X3 STORM SAS	851.84	848.09	3.75	W/R-1550-0054
S-2	1+51.76	RT-3.19	3X3 STORM SAS	851.87	848.75	3.12	FP; W/R-1550-0054
S-2A	1+54.51	RT-11.04	H INLET	851.84	849.34	2.50	FP; W/R-3067-7004-V; [1]
S-3	2+58.54	RT-2.73	3X3 STORM SAS	854.64	851.31	3.33	W/R-1550-0054
S-4	2+60.20	RT-11.00	H INLET	854.56	851.60	2.96	FP; W/R-3067-7004-V; [1]
S-5	2+78.70	RT-24.51	3X3 STORM SAS	855.12	852.23	2.89	FP; W/R-1550-0054; [2]
S-6	3+35.13	RT-47.37	H INLET	857.45	854.11	3.34	W/R-1878-A10G; [3]
S-7	3+31.87	RT-11.58	H INLET	857.16	853.95	3.21	LP; FP; W/R-3067-7004-VB

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
W LAKESIDE ST										
P-1	S-1	S-2	848.09	848.75	27	24	2.75%	12"	RCP	-
P-2A	S-2	S-2A	848.85	849.34	8	6	8.55%	12"	RCP	-
P-2	S-2	S-3	848.85	851.31	107	104	2.37%	12"	RCP	-
P-3	S-3	S-4	851.41	851.60	8	6	3.22%	12"	RCP	-
P-4	S-4	S-5	851.70	852.23	23	19	2.77%	12"	RCP	-
P-5	ADJ-1	S-6	854.09	854.11	13	12	0.17%	12"	RCP	-
P-6	ADJ-2	S-8	853.83	853.95	25	24	0.51%	12"	RCP	-

STORM STRUCTURE ADJUSTMENTS

STRUC. NO.	ID NO.	STATION	LOC (OFFSET)	EX TOC	PROP TOC	ADJ (FT)	NOTES
W LAKESIDE ST							
ADJ-1	IN5047-026	3+47.85	RT-44.79	857.53	857.53	0.00	[4]
ADJ-2	AS5057-027	3+54.51	RT-22.76	856.92	856.92	0.00	[5]

STORM PIPE REMOVALS & ABANDONMENTS

PIPE REM NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PAID (Y/N)	REM LGTH PAID (FT)	ABN LGTH (FT)	SLURRY (CY)	PIPE SIZE	PIPE TYPE	NOTES
W LAKESIDE ST										
RP-1	S-1	R-1	26	Y	26	0	0.0	12"	VCP	-
RP-2	R-1	R-2	137	Y	137	0	0.0	12"	VCP	-
RP-3	ADJ-2	R-3	15	Y	15	0	0.0	12"	RCP	-
RP-4	R-3	S-6	22	Y	22	0	0.0	12"	RCP	-

STORM STRUCTURE REMOVALS & ABANDONMENTS

STRUC. NO.	ID NO.	STATION	LOC (OFFSET)	TYPE	DEPTH (FT)	NOTES
W LAKESIDE ST						
R-1	IN4957-031	1+41.58	RT-22.27	H INLET	3.07	-
R-2	AS5057-024	2+78.71	RT-24.31	3X3 STM SAS	2.85	-
R-3	IN5057-028	3+39.87	RT-25.42	H INLET	3.63	-

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOC (OFFSET)	TOC	E.I.	DEPTH (FT)	NOTES
W LAKESIDE ST						
SCO#1	2+44.35	RT-26.20	854.15	845.13	9.02	[6]

ULO SCHEDULE

	ID NO. (OFFSET)	STATION	LOCATION (OFFSET)	TYPE	NOTES
	W LAKESIDE ST				
*	ULO1	1+29.13	RT-3.43	**8" WAT**	**TOP @ 846.19, NO CONFLICT**
*	ULO2	1+56.52	RT-11.40	10" WAT	**TOP @ 846.40, NO CONFLICT**
*	ULO3	1+81.34	RT-3.06	WAT LAT	**TOP @ 847.20, NO CONFLICT**
*	ULO4	2+13.82	RT-3.13	WAT LAT	**TOP @ 848.33, NO CONFLICT**
*	ULO5	2+50.54	RT-2.77	WAT LAT	**TOP @ 848.78, NO CONFLICT**
*	ULO6	2+60.21	RT-11.00	10" WAT	**TOP @ 849.87, NO CONFLICT**
*	ULO7	2+44.36	RT-27.55	FO	**CONC DUCT, TOP @ 851.84, BOT @ 850.77, NO CONFLICT**

SANITARY STRUCTURE REMOVALS

STRUC ID NO.	STATION	LOC (OFFSET)	TOC	E.I.	DEPTH(FT)	NOTES
W LAKESIDE ST						
SAS 4957-010	2+44.35	RT-26.20	854.07	845.13	8.94	[7]

SPECIFIC NOTES:

[1] CASTING LOCATED AT MODIFIED TYPE B CURB; CURB OPENING LOWERED 2" (11" CASTING HEIGHT)
[2] RECONNECT EX 12" ON SOUTH SIDE; KEEP PRIVATE STORM ACTIVE
[3] RECONNECT EX 12" RCP STM; KEEP AE5057-033 ACTIVE
[4] TAP (T-5) NEW 12" RCP TO WEST SIDE OF EX INLET
[5] TAP (T-7) NEW 12" RCP TO WEST SIDE OF EX STM SAS
[6] INSTALL SANITARY CLEANOUT PER S.D.D. 5.7.41. COMPRESSION COUPLING SHALL BE INCIDENTAL TO THE COST OF THE CLEANOUT. REPLACMENT OF VERTICAL PIPE & CASTING ARE REQUIRED. SEE ALSO NOTE 7
[7] EX SANITARY CLEANOUT CONSTRUCTED OF 6" VCP WITH VCP SWEEP. TV SHOWS DEBRIS, LIKELY FROM DAMAGED VERTICAL PIPE. REMOVE CASTING, VERTICAL CLEANOUT STANDPIPE & SWEEP, THEN REPLACE WITH NEW SWEEP & PVC STANDPIPE.

STANDARD NOTES:

-PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

-ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.

-ALL REBAR FOR FIELD POURED STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.

- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.

- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN

- ALL REINFORCED CONCRETE PIPES TO BE CLASS 3 UNLESS OTHERWISE NOTED.

- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.

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STORM & SANITARY SEWER SCHEDULE

BIKEWAYS 2023	SHEET NO.	USTM
PROJECT NO. 14336	U-STM	
STORM SEWER SCHEDULE		
W LAKESIDE ST	CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOC (OFFSET)	TYPE	TOC	E.I.	DEPTH (FT)	NOTES
W LAKESIDE ST							
S-1	1+24.75	RT-3.34	3X3 STORM SAS	851.84	848.09	3.75	W/R-1550-0054
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S-4	2+60.20	RT-11.00	H INLET	854.56	851.60	2.96	FP; W/R-3067-7004-V; [1]
S-5	2+78.70	RT-24.51	3X3 STORM SAS	855.12	852.23	2.89	FP; W/R-1550-0054; [2]
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PROPOSED STORM PIPES

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RP-3	ADJ-2	R-3	15	Y	15	0	0.0	12"	RCP	-
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STRUC ID NO.	STATION	LOC (OFFSET)	TOC	E.I.	DEPTH(FT)	NOTES
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REVISION 3:
REMOVE YELLOW DASHED LINES AND INSTALL NEW 4" YELLOW (10' LINE X 30' GAP) WITH CORRECT DIMENSIONS. GRIND OFF EXTRA STOP BAR TO MEET NEW YELLOW LINE

Install Stop Bar

Install 6" crosswalk

Pavement marking epoxy, crosswalk, 18-inch (18" Line, 18" Gap)

Install Railroad Crossing marking

Install skid/slip resistant performed thermoplastic pavement marking, bike lane green in front of driveway

Repaint Yellow Epoxy 4" (10' line x 30' gap)

Install Stop Bars

6'

6'

6'

6'

6'

LAKESIDE ST

21' to face of curb

12' to face of curb

4'

Install skid/slip resistant performed thermoplastic pavement marking, bike lane green

Install 4" (3' line x 9' gap) yellow epoxy

Install 6" Crosswalk

Install Stop Bar

GILSON ST

Install 6" crosswalk

Install Stop Bar

Install sharrows

ROWELL ST

MATCH 1

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CONTRACT NO:

LAKESIDE ST BIKE PATH

BIKEWAYS 2024

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LAKESIDE ST BIKE PATH		14336	M-2
BIKEWAYS 2024			
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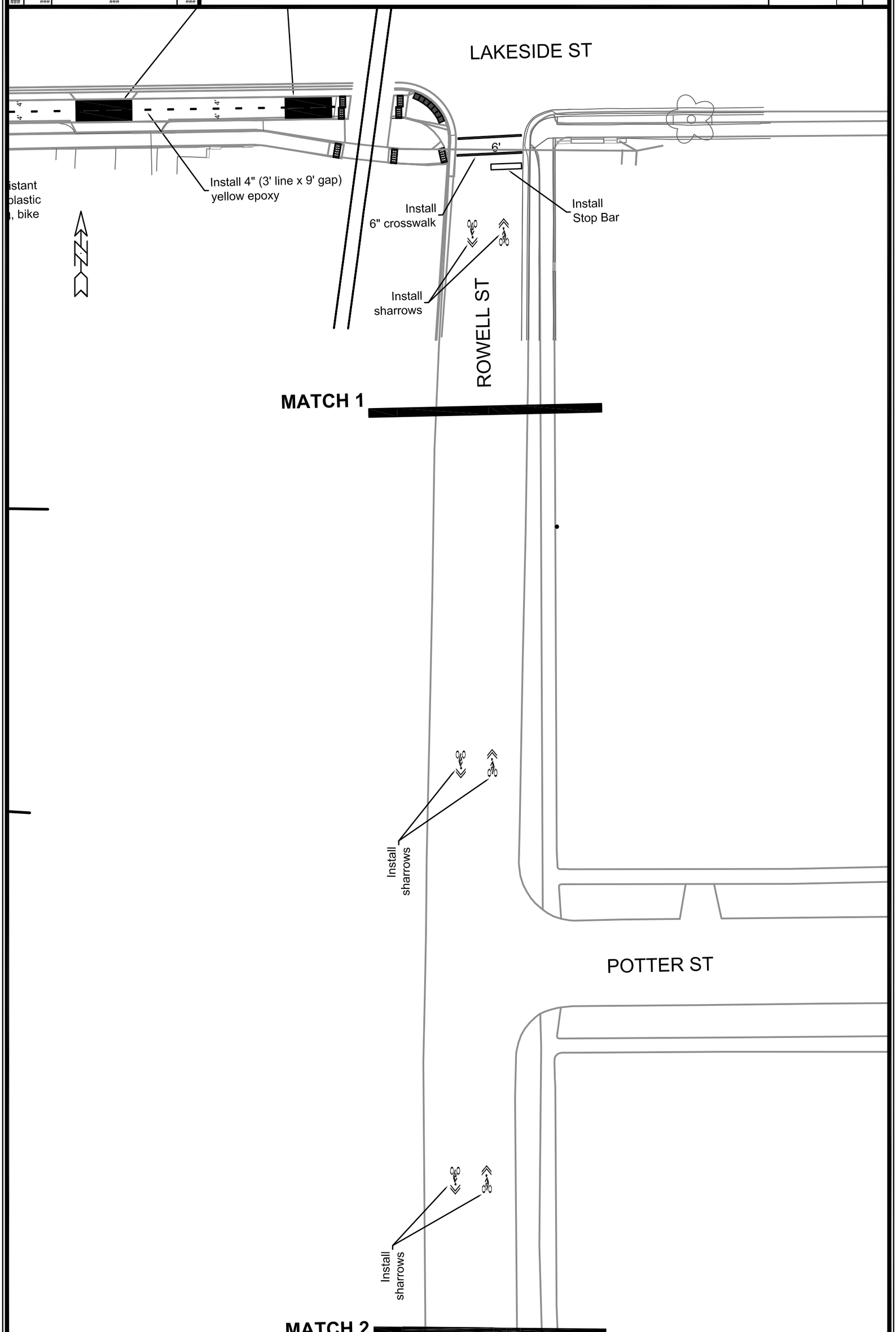

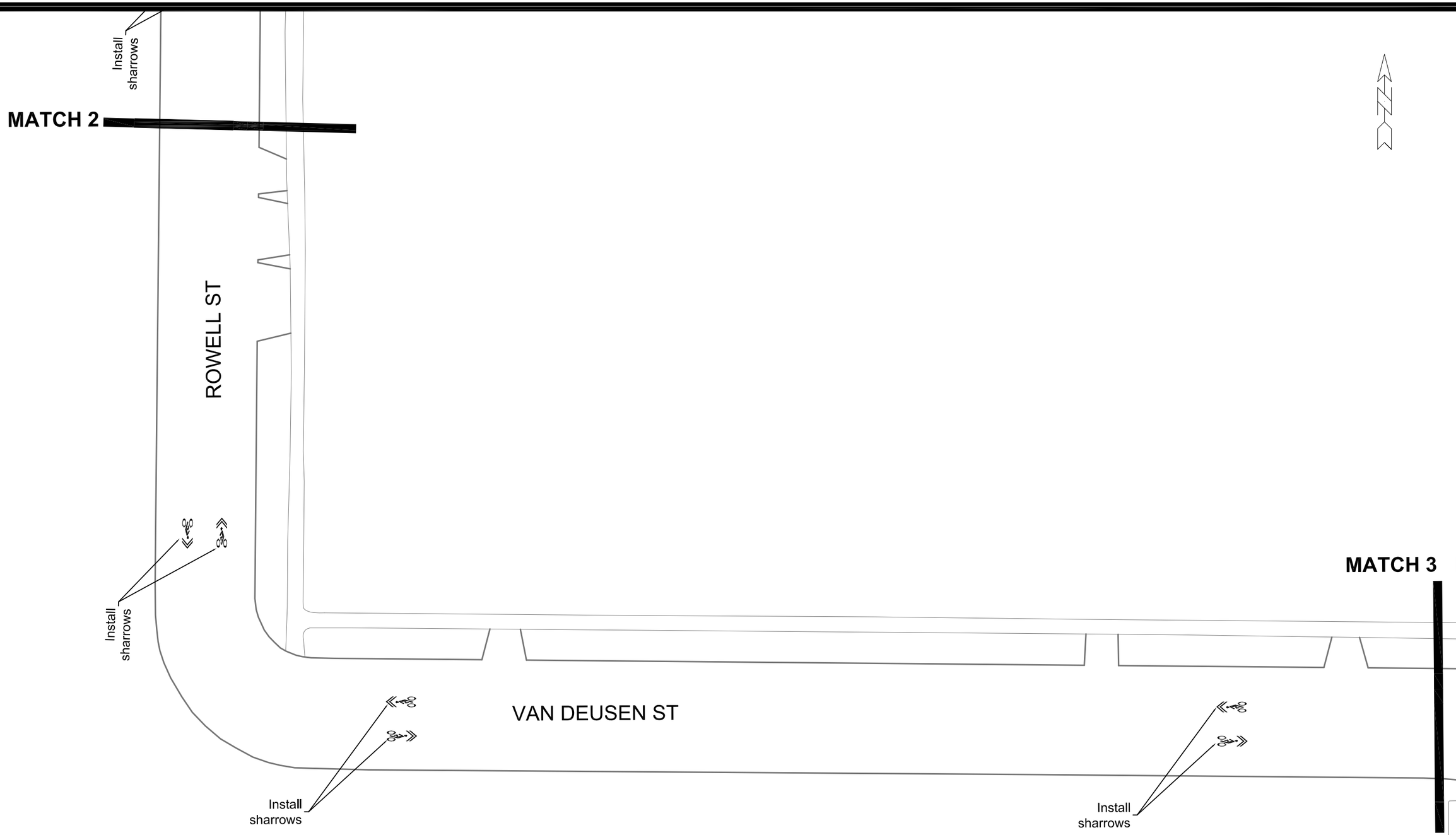

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CONTRACT NO:

LAKESIDE ST BIKE PATH

BIKEWAYS 2024

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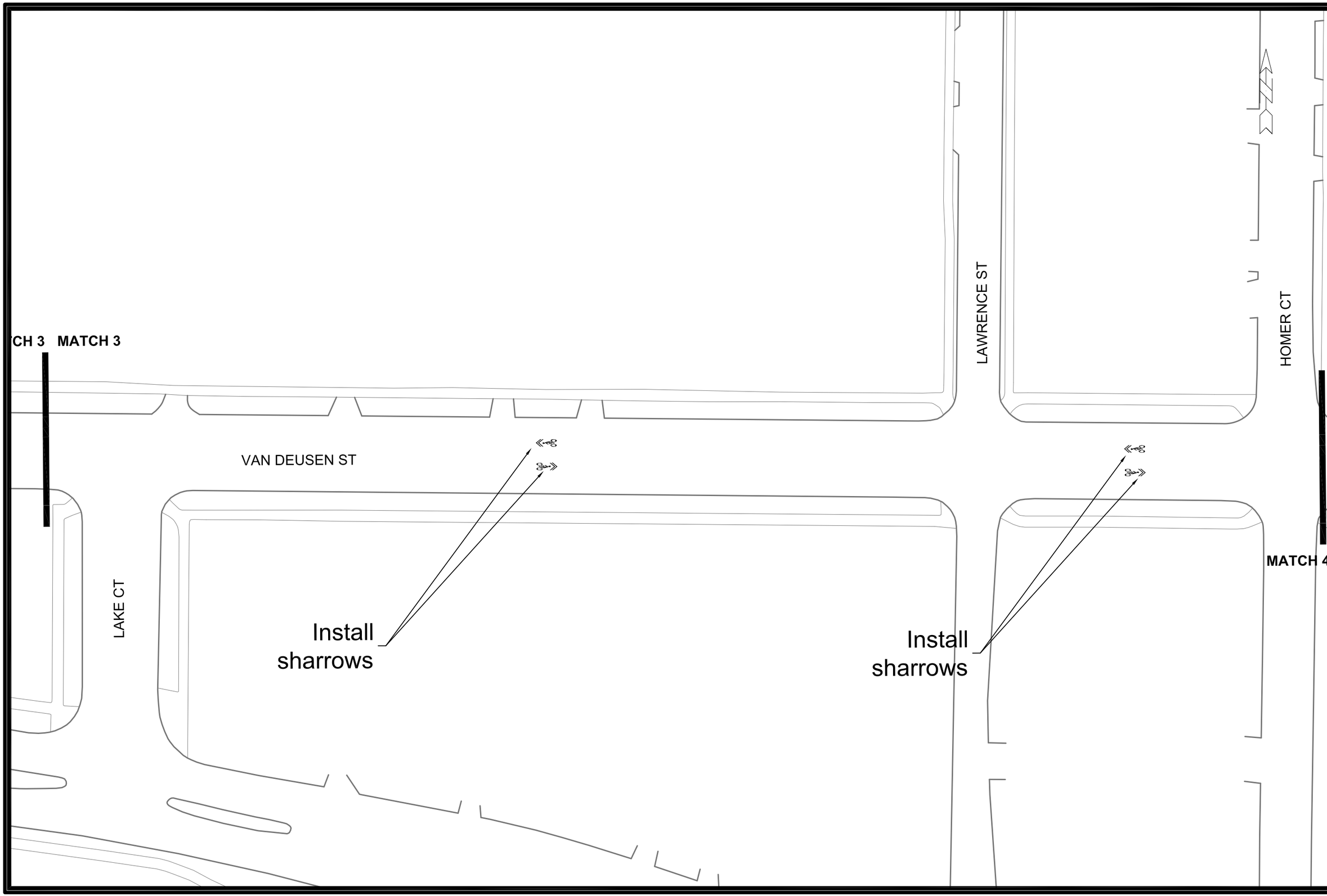
14336

M-3



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Date: 1/8/2024 8:26 AM

Scale: 1" = 40'

CONTRACT NO: #####

LAKESIDE ST BIKE PATH

BIKEWAYS 2024

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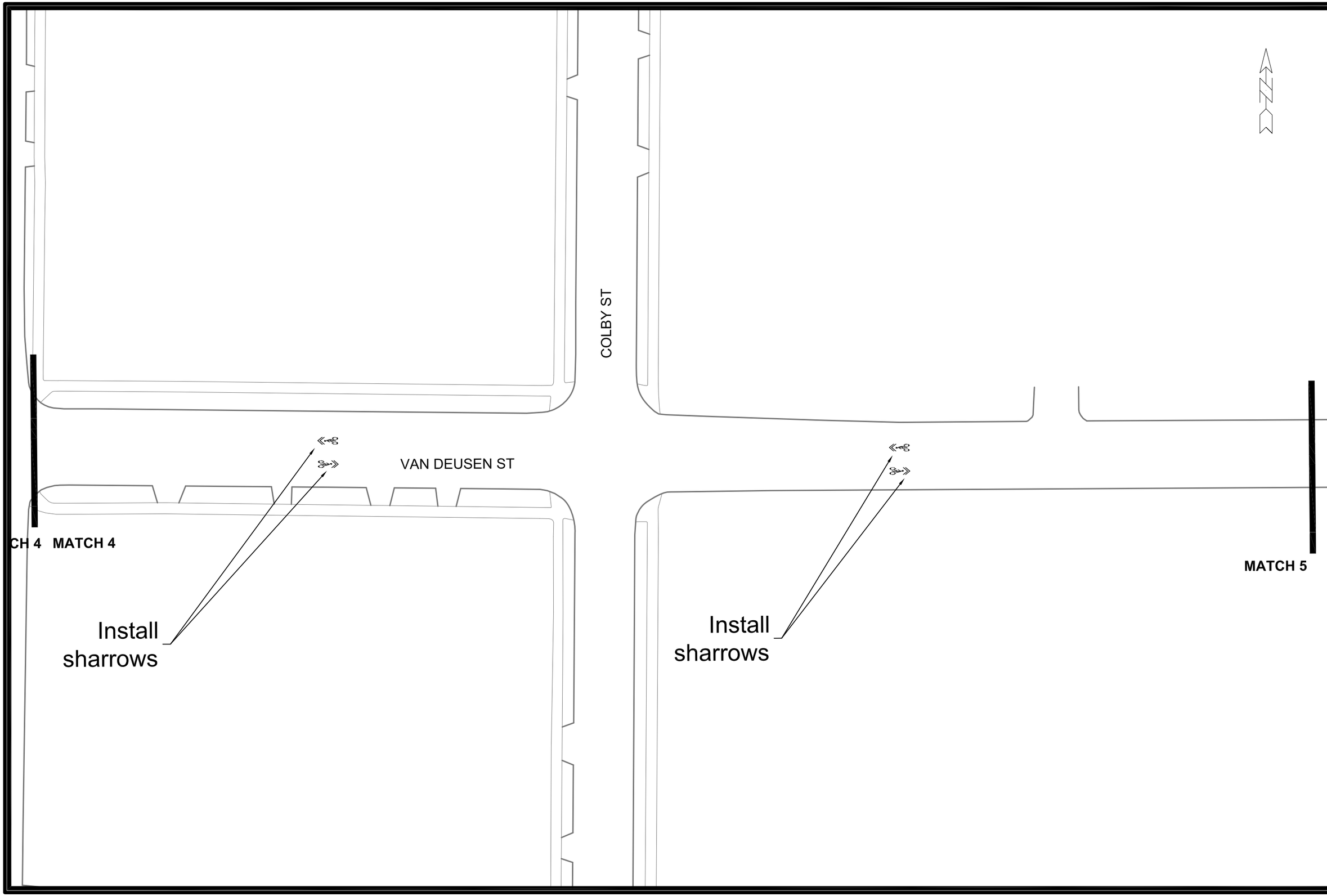
14336

M-4



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Designed By: #####

Date: 1/8/2024 8:27 AM

Scale: Custom

CONTRACT NO: #####

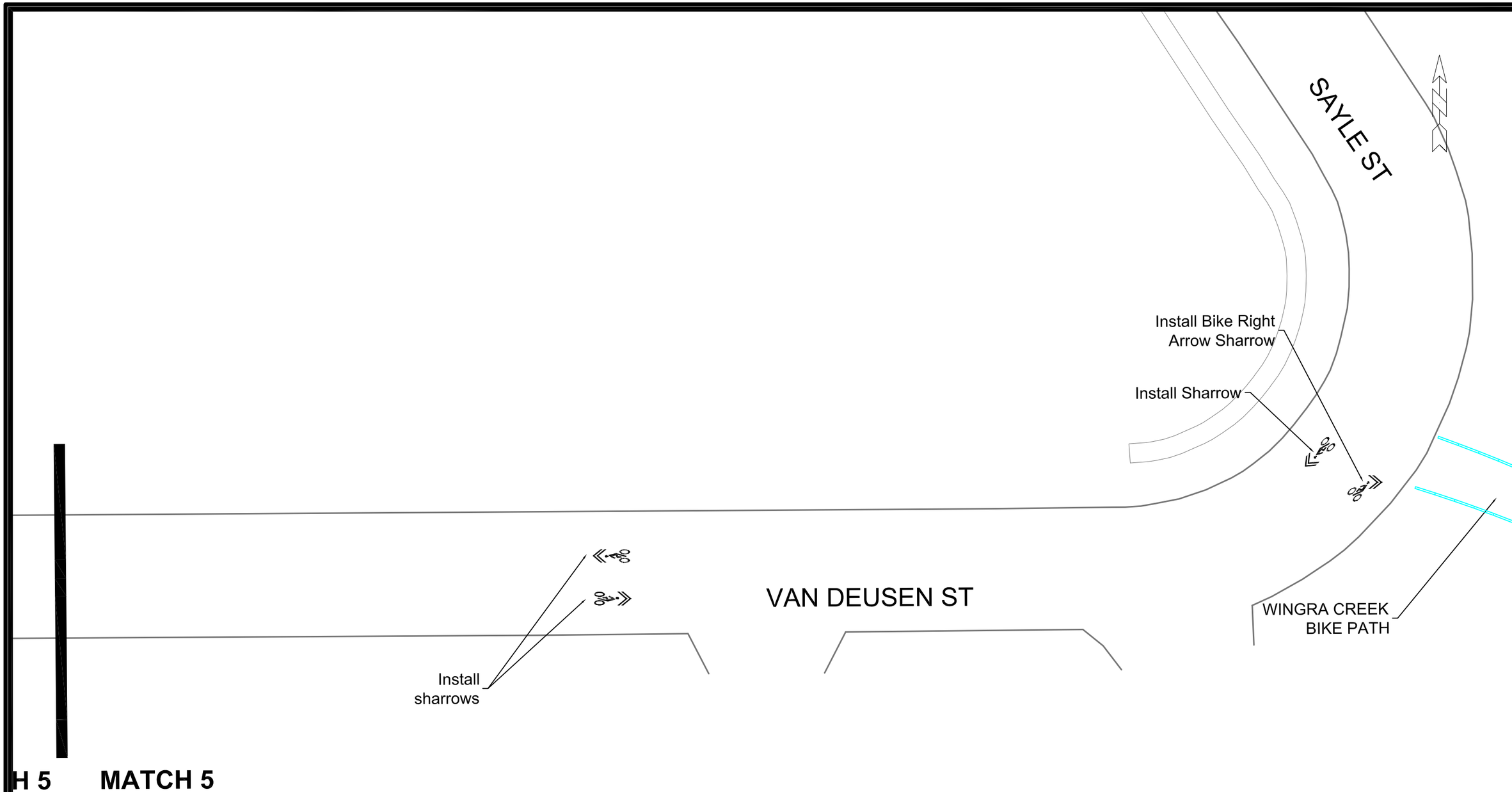
LAKESIDE ST BIKE PATH

BIKEWAYS 2024

M:\DESIGN\Projects\14336\CAD\Traffic\14336EN-Street_W\LakesideSt_AH.dwg

14336

M-5



MARK	REVISION	DATE	BY
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Designed By: #### Date: 1/10/2024 9:35 AM Scale: Custom ####

CONTRACT NO:

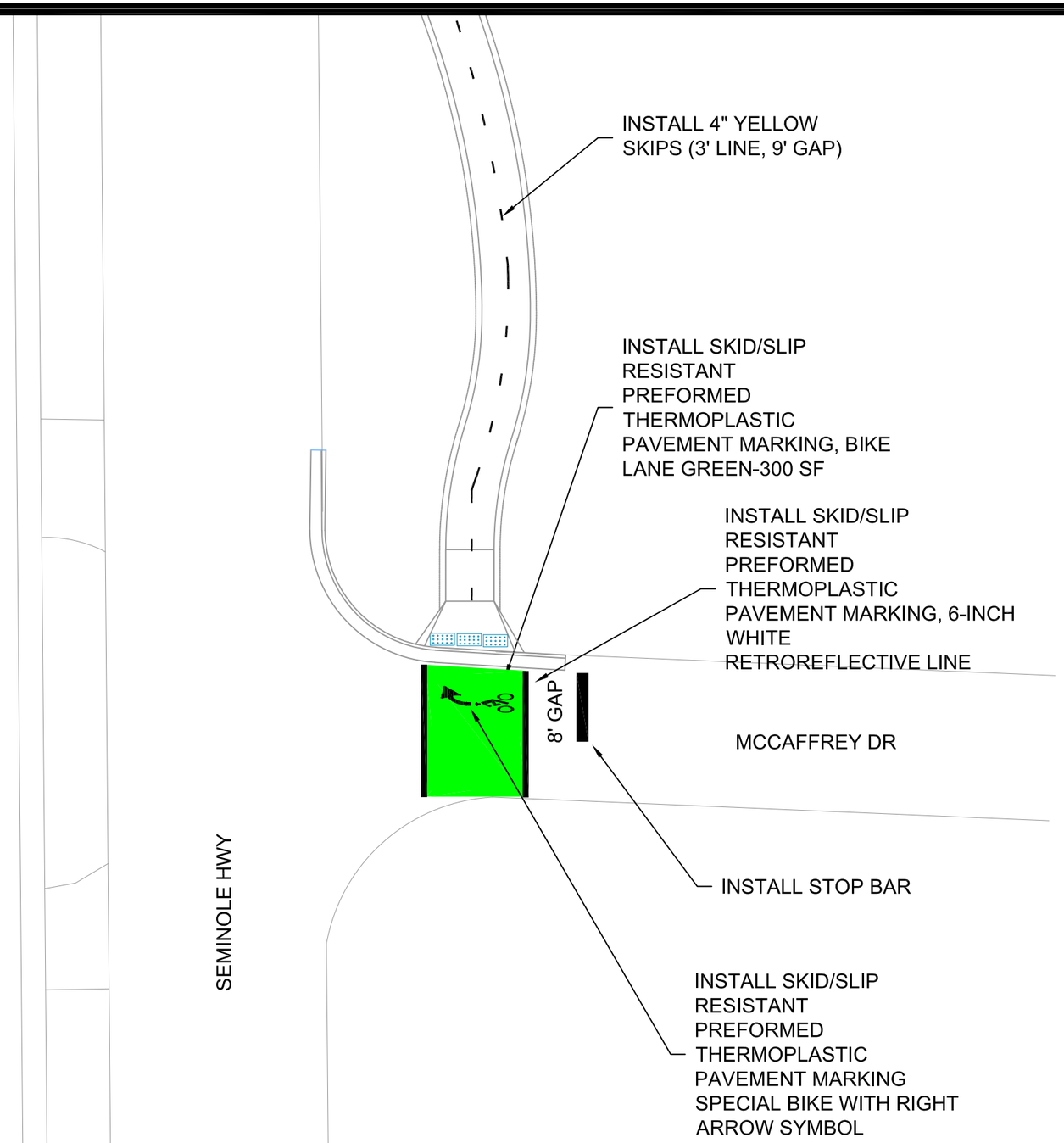
LAKESIDE ST BIKE PATH

BIKEWAYS 2024

M:\DESIGN\Projects\14336\CAD\Traffic\14336EN-Street_WLakesideSt_AH.dwg

14336

M-6



MARK	REVISION	DATE	BY
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Designed By: ### Date: 1/9/2024 10:23 AM Scale: Custom

CONTRACT NO: #####

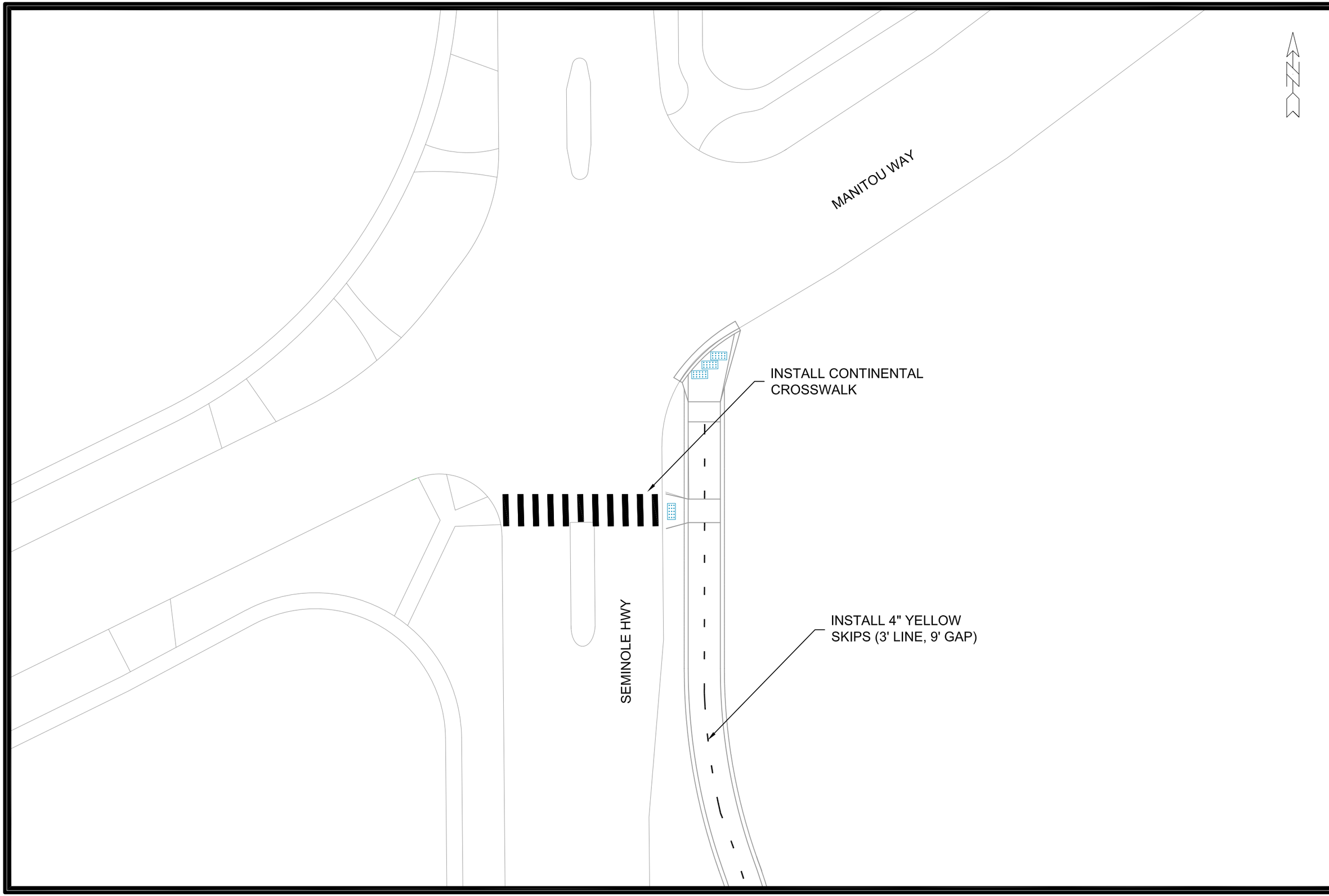
ARBORETUM BIKE PATH

BIKEWAYS 2024

M:\DESIGN\Projects\14336\CAD\Traffic\14336EN-Street_UWArbEntrPath_All pvm.dwg

14336

M-7



MARK	REVISION	DATE	BY
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Designed By: ### Date: 1/9/2024 10:25 AM Scale: Custom

CONTRACT NO: #####

ARBORETUM BIKE PATH

BIKEWAYS 2024

M:\DESIGN\Projects\14336\CAD\Traffic\14336EN-Street_UWArbEntrPath_All pvm.dwg

14336

M-8

102+00.00

102+75.00

101+75.00

102+50.00

101+50.00

102+25.00

103+00.00

MARK	REVISION	DATE	BY
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Designed By: ### Date: 1/12/2024 12:48 PM Scale: 1" = 20'

14336 X-1

14336

MADISON, WI

CONTRACT NO: 8696

CROSS SECTIONS LAKESIDE CYCLETRACK

BIKEWAYS 2023

M:\DESIGN\Projects\14336\CAD\Streets\14336EN-Xsec.dwg

CITY OF MADISON WISCONSIN

14336

X-1

1+25.00

2+00.00

1+00.00

1+75.00

2+50.00

0+75.00

1+50.00

2+25.00

MARK	REVISION	DATE	BY
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Designed By: ### Date: 1/12/2024 12:48 PM Scale: 1" = 20'

14336 X-2

14336

MADISON, WI

CONTRACT NO: 8696

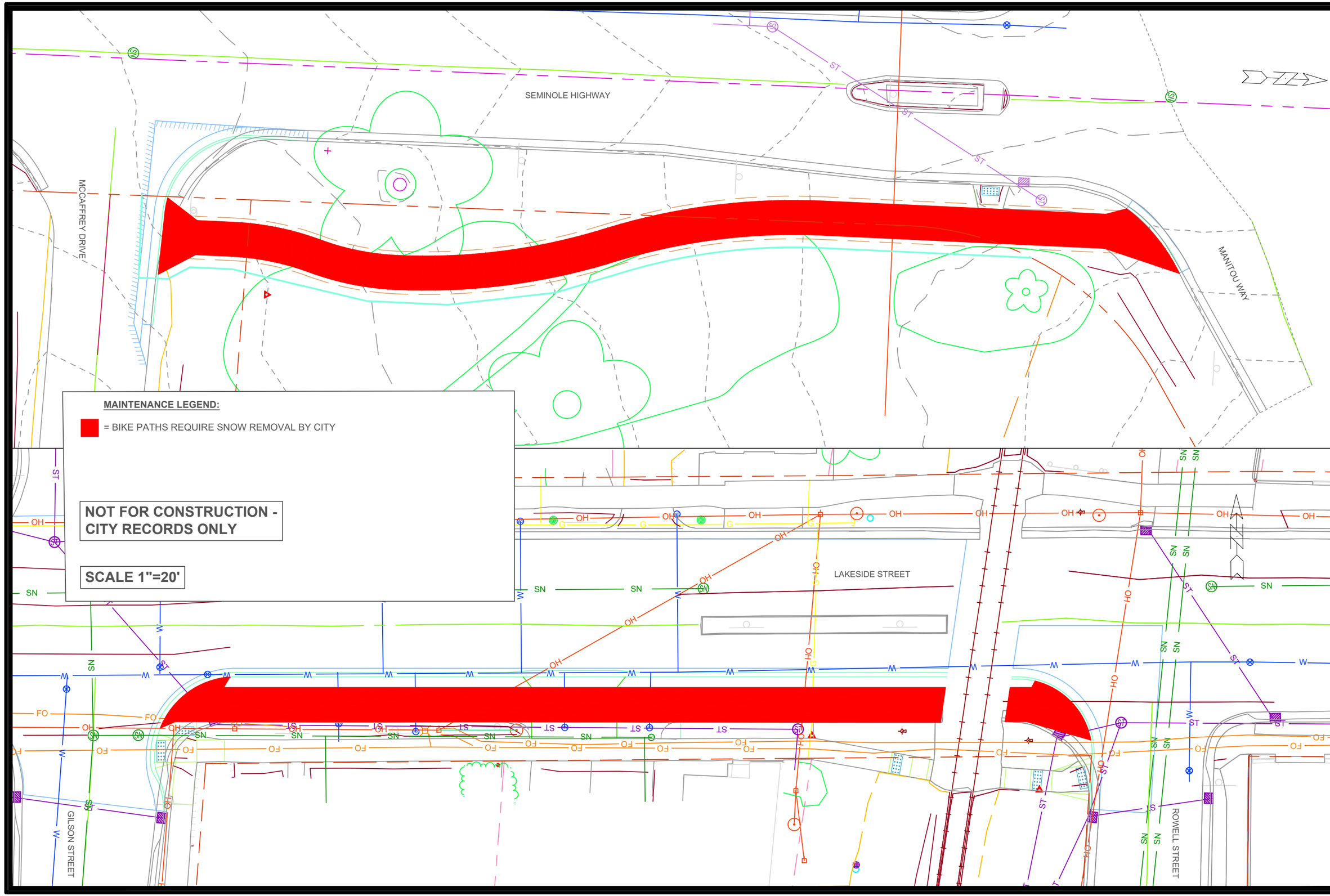
CROSS SECTIONS UW ARBORETUM ENTRANCE PATH

BIKEWAYS 2023

M:\DESIGN\Projects\14336\CAD\Streets\14336EN-Xsec.dwg

14336

X-2



MARK	REVISION	DATE	BY
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Designed By: MFG | Date: 1/19/2024 12:53 PM | Scale: 1" = 20' | MN-1

14336

MADISON, WI

CONTRACT NO: 8696

MAINTENANCE PLAN

BIKEWAYS 2023

M:\DESIGN\Projects\14336\CAD\Streets\14336EN-Maintenance.dwg

14336

MN-1