



Madison, Wisconsin

INDEX OF SHEETS

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

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%.

CITY MAINTENANCE PLAN NOT REQUIRED

CITY OF MADISON

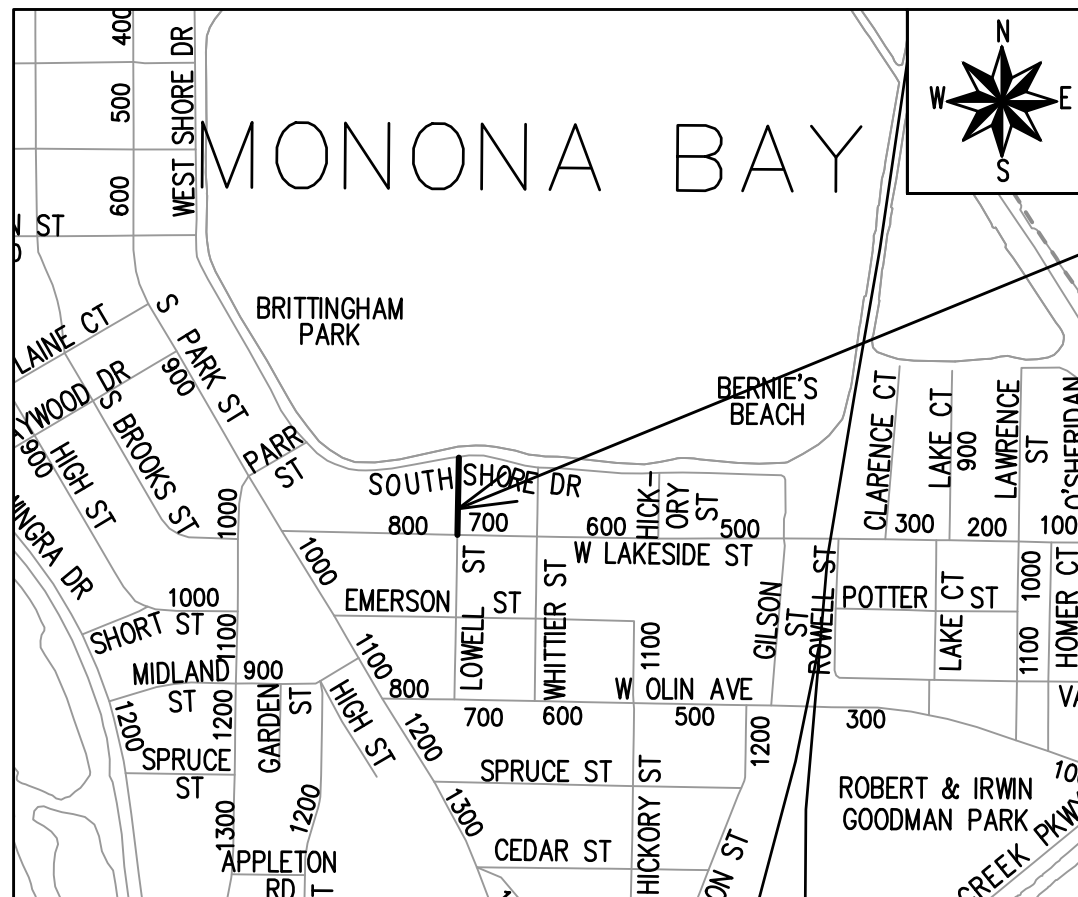
CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

LOWELL STREET ASSESSMENT DISTRICT - 2024

CITY PROJECT NO. 14078
CONTRACT NO. 8712



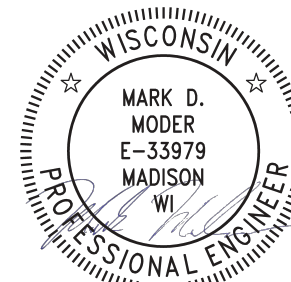
EARTH WORK SUMMARY:

EXCAVATION CUT (MEASURED PLAN QUANTITY)	= 600 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT	= 100 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT	= 700 C.Y.

Addendum 1 - RSD March 13, 2024
- SBE Pre Bid meeting rescheduled to March 18, 2024
Addendum 2 - RSD March 21, 2024
- Updates to specs and to U-1, U-6, And U-7
Revision 1 - AJZ July 18, 2024
- Changes to Title Sheet, EC-1, P-1, GI-1, U-1, U-2, U-5, U-6

PROJECT LOCATION

SANITARY SEWER DESIGNED BY:



Mar 6, 2024

PUBLIC IMPROVEMENT PROJECT
APPROVED

JANUARY 23, 2024

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

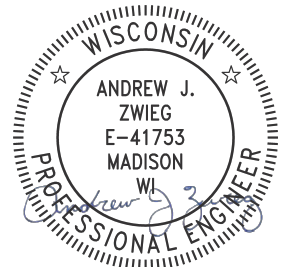
PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

Mar 5, 2024

City Engineer

Date

STREET
DESIGNED BY:



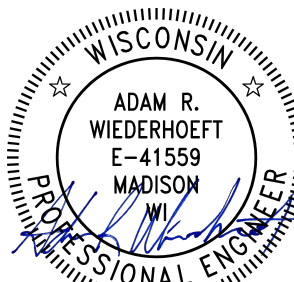
Mar 5, 2024

STORM SEWER
DESIGNED BY:



Mar 5, 2024

WATER
DESIGNED BY:



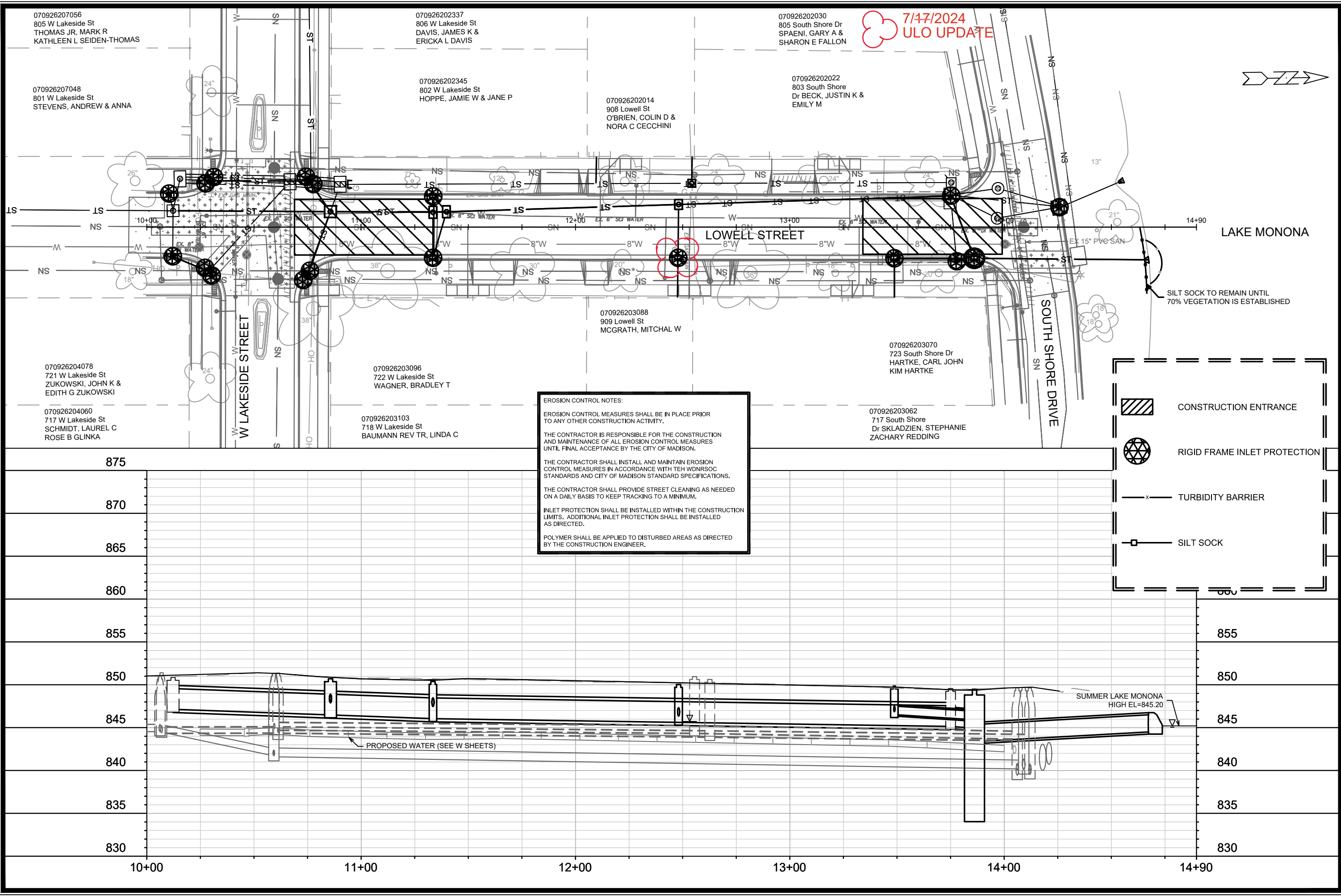
Mar 5, 2024

PLOT SCALE: 1"=11.1 FT_XREF

PLOT NAME: ---

REV. DATE: 2/19/2024 3:49 PM

ORIGINATOR: CITY_OF_MADISON



070926207056
805 W Lakeside St
THOMAS JR, MARK R
KATHLEEN L SEIDEN-THOMAS

070926207048
801 W Lakeside St
STEVENS, ANDREW & ANNA

070926204078
721 W Lakeside St
ZUKOWSKI, JOHN K &
EDITH G ZUKOWSKI

070926204060
717 W Lakeside St
SCHMIDT, LAUREL C
ROSE B GLINKA

070926202337
806 W Lakeside St
DAVIS, JAMES K &
ERICKA L DAVIS

070926202345
802 W Lakeside St
HOPPE, JAMIE W & JANE P

070926203096
722 W Lakeside St
WAGNER, BRADLEY T

070926203103
718 W Lakeside St
BAUMANN REV TR, LINDA C

070926202014
908 Lowell St
O'BRIEN, COLIN D &
NORA C CECCHINI

070926203088
909 Lowell St
MCGRATH, MITCHAL W

070926202030
805 South Shore Dr
SPAENI, GARY A &
SHARON E FALLON

070926202022
803 South Shore
Dr BECK, JUSTIN K &
EMILY M

7/17/2024
ULO UPDATE

070926203070
723 South Shore Dr
HARTKE, CARL JOHN
KIM HARTKE

070926203062
717 South Shore
Dr SKLADZIEN, STEPHANIE
ZACHARY REDDING

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.

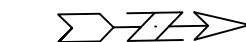
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH TEH WDNRSOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

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.

- CONSTRUCTION ENTRANCE
- RIGID FRAME INLET PROTECTION
- TURBIDITY BARRIER
- SILT SOCK

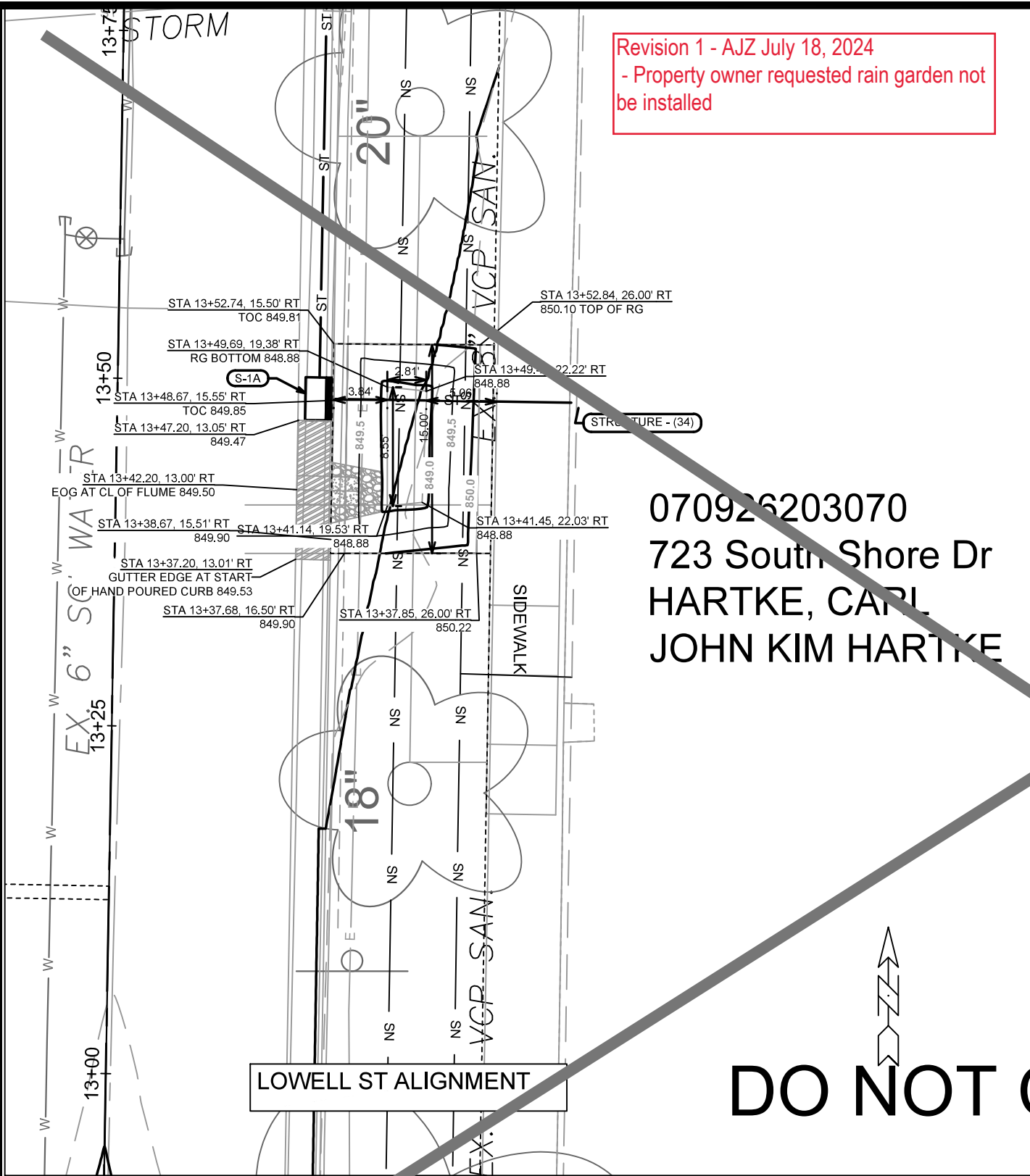


LAKE MONONA

SILT SOCK TO REMAIN UNTIL
70% VEGETATION IS ESTABLISHED

SUMMER LAKE MONONA
HIGH EL=845.20

14078		MADISON, WI		CONTRACT NO: 8712	
EROSION CONTROL PLAN		LOWELL ST RECONSTRUCTION		M:\DESIGN\Projects\14078\CAD\Sewers\14078SWR-EC.dwg	
14078		EC-1		7/17/2024 TAC	
MARK		REVISION		DATE	
1		1		7/17/2024	
Designed By: TAC		Date: 7/17/2024		12:05 PM	
14078		Scale: 1" = 40'		EC-1	

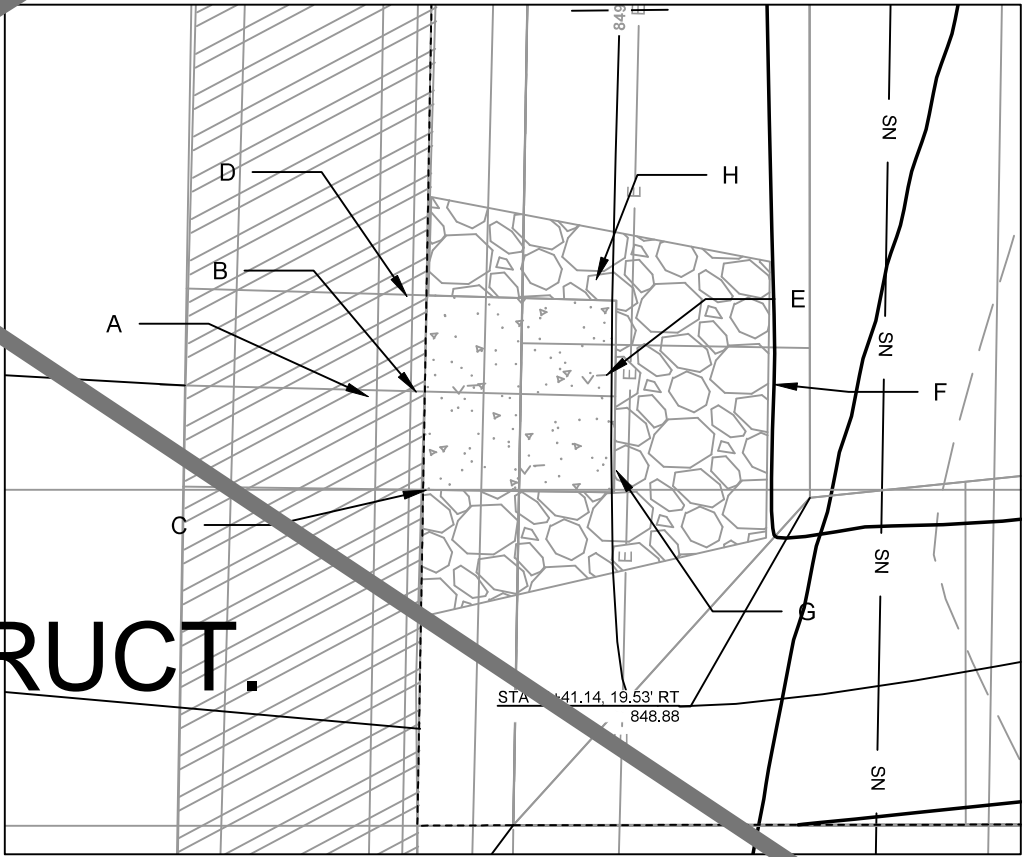


Revision 1 - AJZ July 18, 2024
- Property owner requested rain garden not be installed

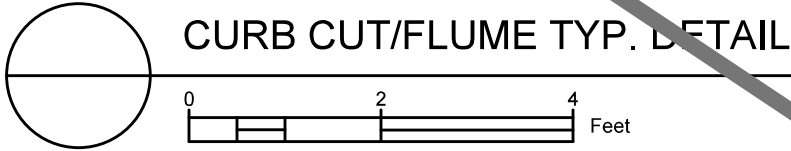
070926203070
723 South Shore Dr
HARTKE, CARL
JOHN KIM HARTKE

DETAIL POINT ELEVATIONS/DESCRIPTIONS

Point	Point Description	Pond depth (inches)	Elevation
		Distance from Existing FlowLine (ft)	
	Ex. EOG at CL of Flume	+0.125	849.50
A	Ex. Flow Line at CL of Flume	0	849.38
B	Pro. Gutter Flow Line at CL of Flume	-0.17	849.21
C	Edge of Flume @ Gutter (Uphill)	varies	849.39
D	Edge of Flume @ Gutter (Downhill)	varies	849.36
E	Bottom of Flume at CL	varies	849.04
F	Bottom of Stone/Pond	varies	848.88
G	Edge of Flume @ Bottom of Basin (Uphill)	varies	849.31
H	Edge of Flume @ Bottom of Basin (Downhill)	varies	849.28



- NOTES:
- ALL AREAS WITHIN GRADING LIMITS TO RECEIVE CLASS I, TYPE A - ORGANIC EROSION CONTROL MATTING IF COMPLETED OUTSIDE OF GROWING SEASONS, SEE SPECIAL PROVISIONS
 - ALL AREAS OUTSIDE OF TOP OF BASIN SHALL RECEIVE TERRACE SEED MIX, DO NOT SEED WITHIN SIDE SLOPES OR BOTTOM OF BASIN.
 - SEE DETAIL D-1 AND D-2.



14078SWR-GI - 723 SOUTH SHORE
LOWELL ST RECONSTRUCTION
M:\DESIGN\Projects\14078\CAD\Sewers\14078SWR-GI.dwg

14078
MADISON, WI
8622
CONTRACT NO:

070926207056
805 W Lakeside St
THOMAS JR, MARK R
KATHLEEN L SEIDEN-THOMAS

070926207048
801 W Lakeside St
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070926204078
721 W Lakeside St
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HOPPE, JAMIE W & JANE P

070926203096
722 W Lakeside St
WAGNER, BRADLEY T

070926203103
718 W Lakeside St
BAUMANN REV TR, LINDA C

CONTRACTOR SHALL CONTRACT RAY SCHNEIDER @ 608-347-3628 OR RAYS@MADSEWER.ORG FIVE DAYS PRIOR TO ULOS OR WORK AROUND OR NEAR FORCE MAINS TO ARRANGE INSPECTION OF THE WORK. FAILURE TO PROVIDE PROPER NOTIFICATION COULD LEAD TO NOT ACCEPTING WORK AND POTENTIAL RE-WORK TO ENSURE INSTALLATION ACCEPTABLE. MMSSD NOT RESPONSIBLE FOR SCHEDULE DELAYS AND ASSOCIATED COSTS FOR FAILING TO PROVIDE

070926202030
805 South Shore Dr
SPAENI, GARY A &
SHARON E FALLON

070926202022
803 South Shore Dr
BECK, JUSTIN K &
EMILY M

070926203088
909 Lowell St
MCGRATH, MITCHAL W

070926203062
717 South Shore Dr
SKLADZIEN, STEPHANIE
ZACHARY REDDING

7/17/2024
ULO UPDATE

TRENCH PATCH
TYPE III

LAKE MONONA

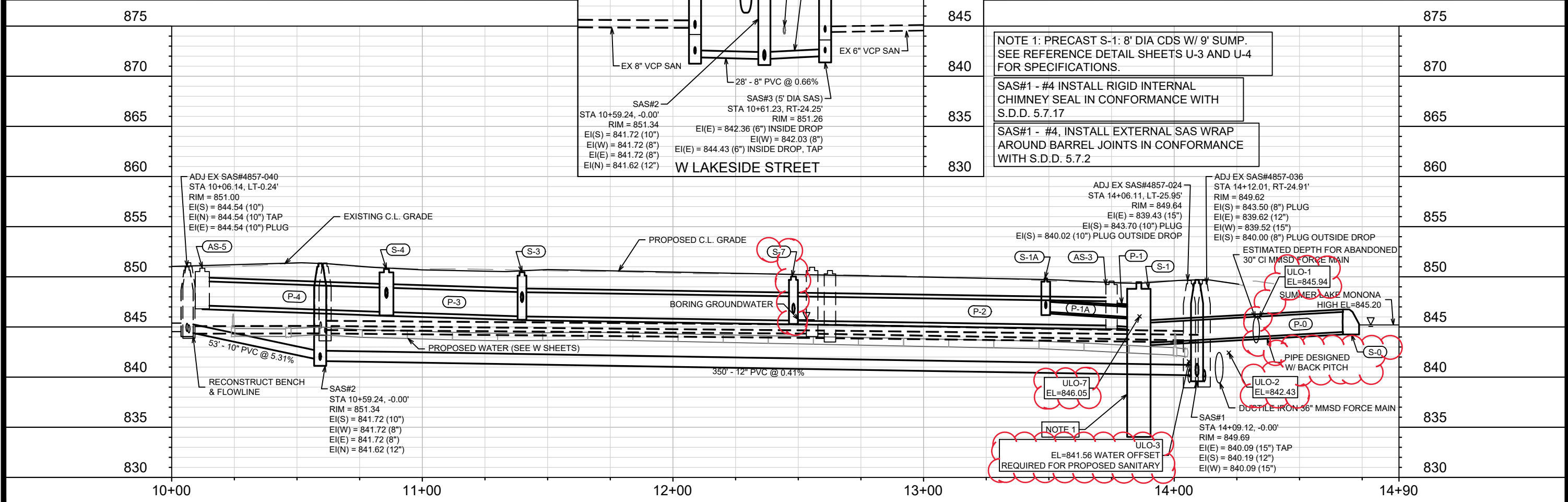
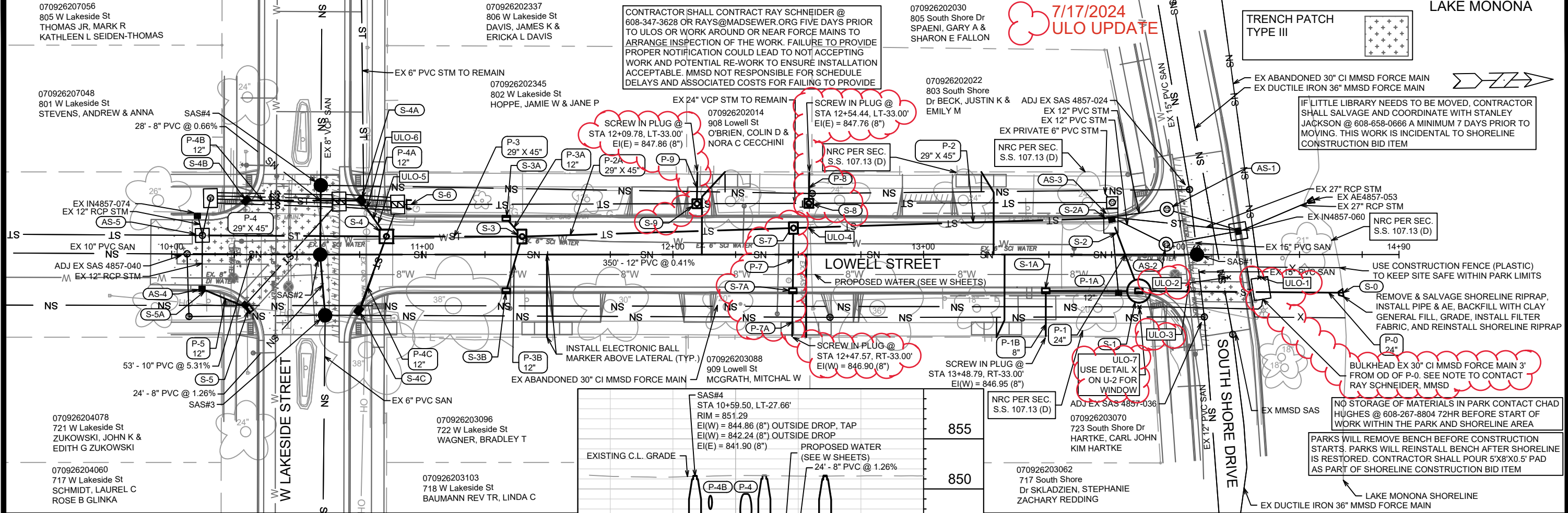
IF LITTLE LIBRARY NEEDS TO BE MOVED, CONTRACTOR SHALL SALVAGE AND COORDINATE WITH STANLEY JACKSON @ 608-658-0666 A MINIMUM 7 DAYS PRIOR TO MOVING. THIS WORK IS INCIDENTAL TO SHORELINE CONSTRUCTION BID ITEM

USE CONSTRUCTION FENCE (PLASTIC) TO KEEP SITE SAFE WITHIN PARK LIMITS
REMOVE & SALVAGE SHORELINE RIPRAP, INSTALL PIPE & AE, BACKFILL WITH CLAY GENERAL FILL, GRADE, INSTALL FILTER FABRIC, AND REINSTALL SHORELINE RIPRAP

NO STORAGE OF MATERIALS IN PARK CONTACT CHAD HUGHES @ 608-267-8804 72HR BEFORE START OF WORK WITHIN THE PARK AND SHORELINE AREA

PARKS WILL REMOVE BENCH BEFORE CONSTRUCTION STARTS. PARKS WILL REINSTALL BENCH AFTER SHORELINE IS RESTORED. CONTRACTOR SHALL POUR 5'X8'X0.5' PAD AS PART OF SHORELINE CONSTRUCTION BID ITEM

LAKE MONONA SHORELINE



14078

MADISON, WI

CONTRACT NO: 8712

UTILITY PLAN & PROFILE PROPOSED

LOWELL ST RECONSTRUCTION

14078

U-1

14078

U-1

DESIGN/PROJECTS/14078/CAD/Sewers/14078SWR-PipeNetwork.dwg

7/17/2024

14078

U-1



COUNT	DESCRIPTION	INSTALLED BY
1	4045-8 CONCENTRIC FIBERGLASS INSERT	CONTECH
1	4045, 2400 micron, 4.1' O.D. x 4.58' SCREEN, GREEN FLANGE UP	CONTECH
1	20, 30, 40 SERIES HARDWARE KIT	CONTECH
1	40 SERIES, 1.5 FT. TALL CYLINDER EXTENSION	CONTRACTOR
1	SEALANT FOR JOINTS	CONTRACTOR



INSTALLATION NOTES

- A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE.
- C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
- D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPE(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
- E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

MAX FOOTPRINT = 10.33'Ø

CONTECH
PROPOSAL
DRAWING

WIES-P
LAYOUT 1A

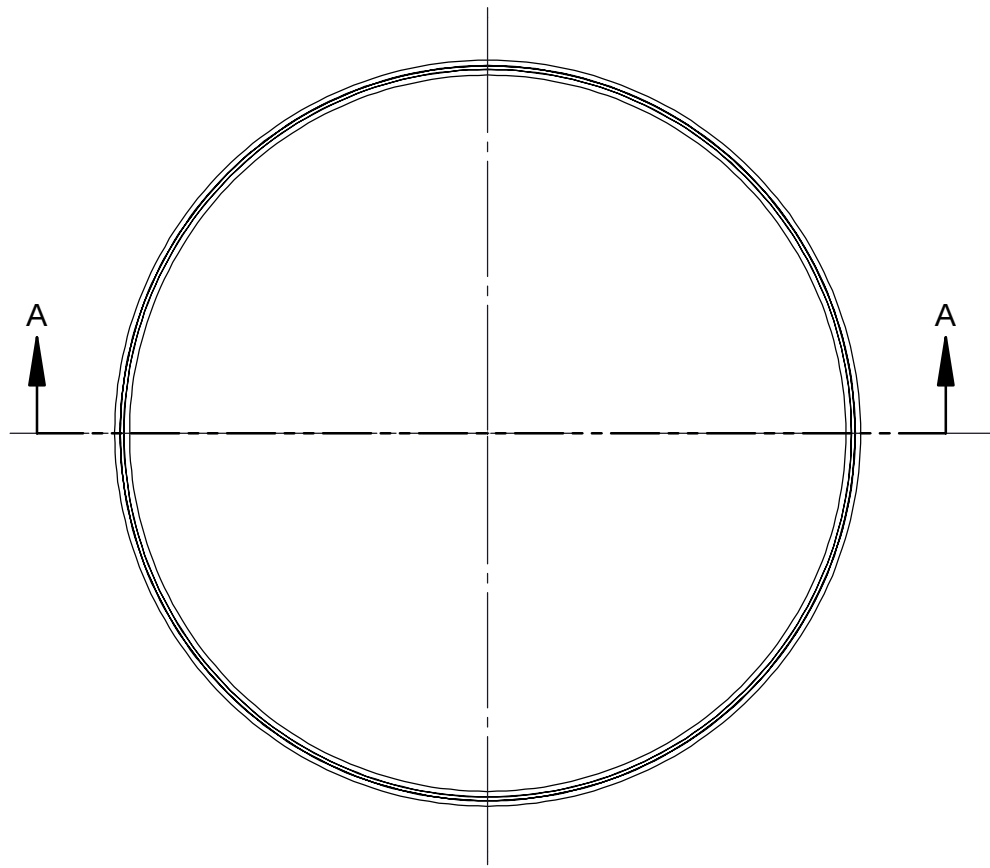
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CONTECH®
ENGINEERED SOLUTIONS LLC
www.CONTECH.com
9100 Centre Pointe Dr., Suite 400 • West Chester, OH 45089
800-338-1122 513-645-7000 513-645-7963 FAX

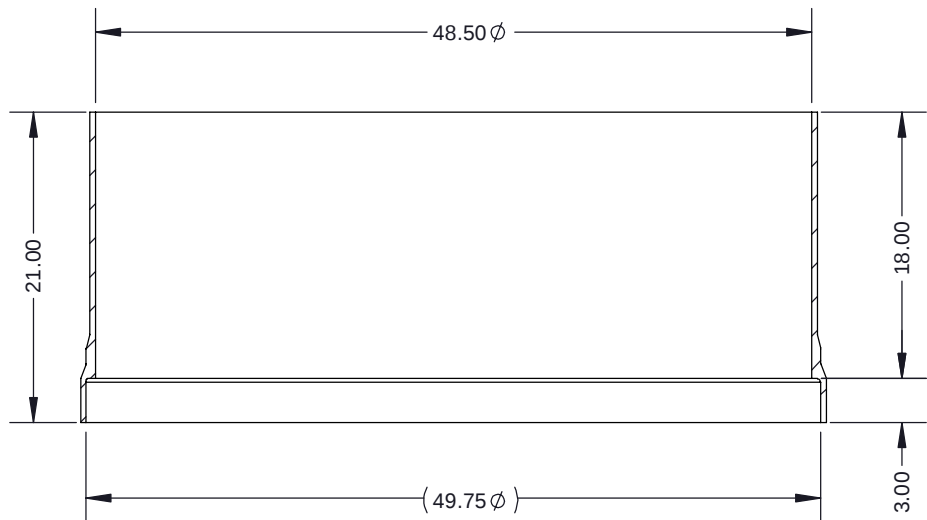
GDS®

FOR PATENT INFORMATION, GO TO www.CONTECH.com (P)

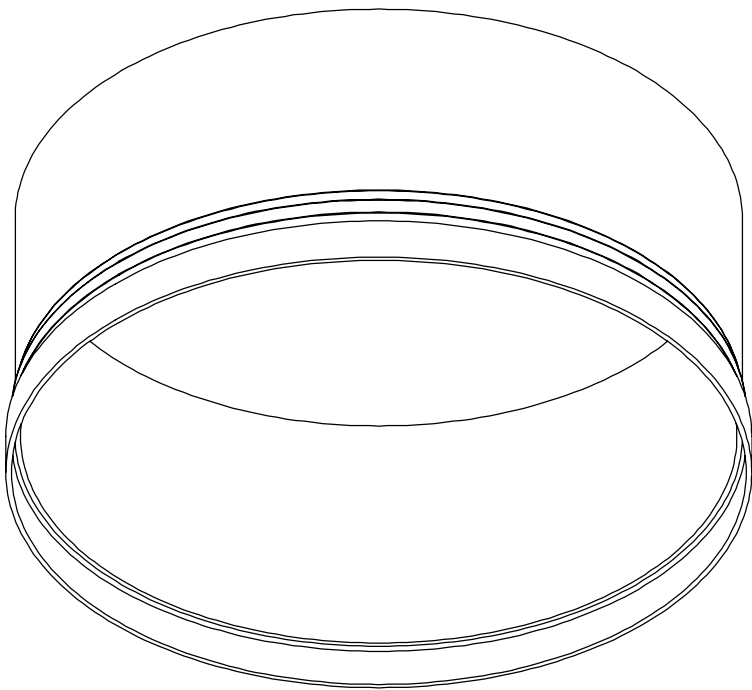
DATE:		02/02/24	
DESIGNED:		DRAWN:	
TNB		CER	
CHECKED:		APPROVED:	
TNB		TNB	
PROJECT No.:		SEQUENCE No.:	
788968		10	
SHEET:			
U-3			



TOP VIEW



SECTION A-A



ISOMETRIC VIEW

- NOTES:
- 1. SEE SITE SPECIFIC DRAWINGS FOR REQUIRED CYLINDER EXTENSION HEIGHT
 - 2. SEE CYLINDER EXTENSION INSTALLATION GUIDE FOR ADDITIONAL INFORMATION

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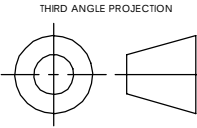


THIS PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 6,788,848; 6,641,720; 6,611,096; 6,681,788; RELATED FOREIGN PATENTS, OR OTHER PATENTS PENDING.



9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

REFERENCE DETAIL
1.5 FT CYLINDER EXTENSION
CDS - 40 SERIES



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

TOLERANCES:
FRACTIONAL $\pm 1/16$
ANGLES ± 1 DEGREE
TWO PLACE DECIMAL ± 0.06
THREE PLACE DECIMAL ± 0.030

PART NUMBER: 325-002788		
APPROVED BY: M. BROOKS	DRAWN BY: J. BELL	
APPROVED BY DATE: 2022.03.10	DRAWN BY DATE: 2022.02.11	REV: B
SCALE: N/A	U-4	

SANITARY SEWER SCHEDULE

** 7/16/2024 TAC REVISION 1

LOWELL STREET ASSESSMENT DISTRICT 2024	SHEET NO.
PROJECT NO. 14078	U-5
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
LOWELL STREET						
SAS#1	14+09.12	CL	849.69	840.09	9.60	[3],[4]
SAS#2	10+59.24	CL	851.34	841.62	9.72	[3],[4]
SAS#3	10+61.23	RT-24.25	851.26	842.03	9.23	[2],[3],[4],[6]
SAS#4	10+59.50	LT-27.66	851.29	841.90	9.39	[5],[3],[4]

SANITARY STRUCTURES ADJUSTMENTS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	PROP ELEV.	ADJUST DIFF.	NOTES
LOWELL STREET						
SAS 4857-024	14+06.11	LT-25.95	849.64	849.64	0.00	-
SAS 4857-040	10+06.14	LT-0.24	851.00	851.00	0.00	-
SAS 4857-036	14+12.01	RT-24.91	849.62	849.62	0.00	-

SANITARY STRUCTURE REMOVALS

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
LOWELL STREET						
SAS 4857-003	10+59.44	LT-27.66	851.35	844.74	6.61	-
SAS 4857-004	10+61.23	RT-24.25	851.26	844.12	7.14	-
SAS 4857-006	12+55.54	LT-24.37	850.95	844.37	6.58	-
SAS 4857-007	12+62.66	RT-25.07	850.62	843.92	6.70	-
SAS 4857-041	10+06.89	RT-24.74	851.40	844.37	7.03	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
LOWELL STREET								
** SAS#1	SAS#2	840.19	841.62	350	0.41%	12"	SDR-35	[7]
SAS#2	SAS 4857-040	841.72	844.54	53	5.31%	10"	SDR-35	[1]
SAS#2	SAS#4	841.72	841.90	28	0.66%	8"	SDR-35	-
SAS#2	SAS#3	841.72	842.03	24	1.26%	8"	SDR-35	-

SANITARY PIPES ABANDONMENTS

ABANDON FROM	ABANDON TO	TOTAL LGTH (FT)	PAY LGTH (FT)	PIPE SIZE	PIPE TYPE	NOTES
LOWELL STREET						
SAS 4857-024	SAS 4857-006	151	0	10"	VCP	PLUGS
SAS 4857-006	SAS 4857-003	196	0	10"	VCP	PLUGS
SAS 4857-036	SAS 4857-007	150	0	8"	VCP	PLUGS
SAS 4857-007	SAS 4857-004	202	0	8"	VCP	PLUGS
SAS 4857-004	SAS 4857-041	55	55	8"	VCP	SLURRY 0.7 CY
SAS 4857-041	SAS 4857-040	25	0	10"	PVC	PLUGS

SPECIFIC NOTES

- [1] TAP EXISTING STRUCTURE-PAID AS SANITARY TAP
- [2] 5' DIA SAS
- [3] SAS#1 - #4 INSTALL EXTERNAL SAS WRAP AROUND BARREL JOINTS IN CONFORMANCE WITH S.D.D. 5.7.2
- [4] SAS#1 - #4 INSTALL RIGID INTERNAL CHIMNEY SEAL IN CONFORMANCE WITH S.D.D. 5.7.17
- [5] OUTSIDE DROP (IE(W) = 842.24, IE(W) = 844.86 TAP)
- [6]INSIDE DROP (IE(E) = 842.36, IE(E) = 844.43 TAP)
- ** [7] VERTICAL OFFSET OF WATER MAIN REQUIRED

STORM SEWER SCHEDULE

* 3/20/2024 TAC ADDENDUM 2

** 7/16/2024 TAC REVISION 1

LOWELL STREET ASSESSMENT DISTRICT 2024

PROJECT NO. 14078

SHEET NO.

U-6

STORM SEWER SCHEDULE

CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
LOWELL STREET							
S-0	14+67.41	RT-15.25	24" AE W/ GATE	-	845.50	-	[1]
S-1	13+85.92	RT-14.57	8' STORM TREATMENT	849.47	843.37	15.10	[2],[8]
S-1A	13+48.76	RT-14.50	H INLET	849.85	846.52	3.33	W/R-3067-7004-V
S-2	13+77.20	LT-8.58	TAP	-	845.14	-	-
S-2A	13+72.77	LT-14.53	TAP	-	845.14	-	-
S-3	11+39.79	LT-7.16	3' X 5' STORM SAS	850.45	846.05	4.40	FP,W/R-1550-0054,[9]
S-3A	11+33.50	LT-14.50	H INLET	850.64	847.52	3.12	W/R-3067-7004-VB
S-3B	11+33.48	RT-14.52	H INLET	850.63	847.58	3.05	W/R-3067-7004-VB
S-4	10+85.68	LT-7.22	5' X 5' STORM SAS	850.70	846.48	4.22	FP,W/R-1550-0054
S-4A	10+75.61	LT-21.52	H INLET	850.89	848.08	2.81	W/R-3067-7004-VB
S-4B	10+29.70	LT-21.58	H INLET	850.90	848.31	2.59	W/R-3067-7004-VB
S-4C	10+74.73	RT-22.42	H INLET	851.11	848.16	2.95	W/R-3067-7004-VB
S-5	10+30.87	RT-21.54	H INLET	850.59	848.05	2.54	W/R-3067-7004-VB
S-5A	10+13.60	RT-14.33	TAP	-	847.95	-	-
S-6	10+95.54	LT-19.98	PLUG	-	-	-	[5]
** S-7	12+48.10	LT-10.56	3' X 5' STORM SAS	850.02	845.63	4.39	FP,W/R-1550-0054,[9]
** S-7A	12+47.84	RT-14.50	H INLET	850.35	846.47	3.88	W/R-3067-7004-V
** S-8	12+54.22	LT-20.43	3' X 3' STORM SAS	850.43	846.70	3.73	FP,W/R-1550-0054,[12]
** S-9	12+09.56	LT-20.31	3' X 3' STORM SAS	850.31	846.80	3.51	W/R-1550-0054

STORM STRUCTURE ADJUSTMENTS

ADJUST NO.	STATION	LOCATION (OFFSET)	TYPE	EX. TOC. ELEV.	ADJUST ELEV.	ADJUST DIFF.	NOTES
LOWELL STREET							
AS-1	13+97.12	LT-18.06	5' DIA CATCH BASIN	849.38	849.45	0.07	-
AS-2	13+96.71	LT-4.14	5' DIA CATCH BASIN	849.57	849.53	-0.04	-
AS-3	13+75.02	LT-14.54	8' X 4' STORM SAS	849.54	849.57	0.03	-
AS-4	10+12.11	RT-13.71	H INLET	850.48	850.48	0.00	-
AS-5	10+12.23	LT-7.65	5' X 5' STORM SAS	850.86	850.86	0.00	[10]

REMOVE STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
LOWELL STREET							
RS-1	13+77.84	RT-16.35	H INLET	849.44	846.27	3.17	-
RS-2	10+90.17	LT-19.96	6' X 6' STORM SAS	851.07	847.06	4.01	-
RS-3	10+76.60	LT-22.49	3' X 6' STORM SAS	850.83	847.19	3.64	-
RS-4	10+66.78	LT-21.16	4' X 6' STORM SAS	851.91	847.17	4.74	-
RS-5	10+28.96	LT-22.24	3' X 6' STORM SAS	850.97	847.20	3.77	-
RS-6	10+15.49	LT-22.52	6' X 6' STORM SAS	851.1	847.14	3.96	-
RS-7	10+75.13	RT-22.75	H INLET	850.95	847.65	3.30	-
RS-8	10+28.57	RT-20.90	H INLET	851.05	847.73	3.32	-

SPECIFIC NOTES

[1] REMOVE & SALVAGE SHORELINE RIPRAP , INSTALL PIPE & AE, BACKFILL WITH CLAY GENERAL FILL, GRADE, INSTALL FILTER FABRIC (PAID AS BID ITEM 20256 - RIPRAP FILTER FABRIC, TYPE HR), AND REINSTALL SHORELINE RIPRAP

[2] PRECAST S-1: 8' STORM TREATMENT W/ 9' SUMP, PAID AS CDS STORM TREATMENT SYSTEM 90042. SEE REFERENCE DETAIL U-3 AND U-4 FOR SPECIFICATIONS.

[3] TAP EX 4' X 8' STORM SAS AS-3 (PAID FOR AS STORM TAP)

[4] EX 5' X 5' STORM SAS AS-5 IS SAID TO HAVE KNOCKOUT FOR DOWN STREAM IN AS BUILT. IF NOT TAP (PAID FOR AS STORM TAP)

[5] ONLY PLUG UPSTREAM SIDE OF EX 24" VCP STM PIPE. KEEP LIVE IN CASE RESIDENTS REQUIRE PRIVATE CONNECTION

[6] TAP EX H INLET AS-4 (PAID FOR AS STORM TAP)

[7] 12" RCP PIPE IS 4 PARALLEL 12" RCP PIPES. IN LENGTHS WHERE PIPE IS INSTALLED 2 PIPES ARE INCIDENTAL REMOVALS

[8] W/R-1550-0054 & R-3067-7004-VB AND 9' SUMP

[9] 3' x 5' PAID AS BID ITEM 90040 - 3' X 5' CAST IN PLACE SAS

[10] PLUG STRUCTURE AFTER REMOVAL OF RP-6 (PAID AS BID ITEM 20336 - PIPE PLUG(STORM))

* [11] PIPE DESIGNED WITH BACK PITCH, MUST BE ADS HP STORM PIPE

** [12] SADDLE INLET TYPE I PER S.D.D. 5.7.8

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
LOWELL STREET										
* P-0	S-0	S-1	845.50	843.37	82	78	-2.75%	24"	TYPE II	[11]
P-1	S-1	AS-3	844.92	845.14	31	23	0.94%	24"	RCP	[3]
P-1A	S-1	S-1A	845.92	846.52	37	32	1.89%	12"	RCP	-
P-1B	S-1A	STA 13+48.79,RT-33.00'	846.85	846.95	19	18	0.57%	8"	TYPE II	-
** P-2	AS-3	S-7	845.14	845.63	127	124	0.40%	29"x45"	RCP	[3]
** P-2A	S-7	S-3	845.63	846.05	109	105	0.40%	29"x45"	RCP	-
P-3	S-3	S-4	846.05	846.48	54	50	0.86%	29"x45"	RCP	-
P-3A	S-3	S-3A	847.47	847.52	10	6	0.86%	12"	RCP	-
P-3B	S-3	S-3B	847.47	847.58	23	19	0.58%	12"	RCP	-
P-4	S-4	AS-5	846.48	847.14	74	69	0.96%	29"x45"	RCP	[4]
P-4A	S-4	S-4A	847.90	848.08	18	13	1.40%	12"	RCP	-
P-4B	S-4A	S-4B	848.08	848.31	46	43	0.53%	12"	RCP	-
P-4C	S-4	S-4C	847.90	848.16	32	27	0.95%	12"	RCP	-
P-5	AS-4	S-5	847.95	848.05	20	17	0.59%	12"	RCP	[6]
** P-7	S-7	S-7A	846.34	846.47	25	22	0.59%	12"	RCP	-
** P-7A	S-7A	STA 12+47.57,RT-33.00'	846.80	846.90	19	18	0.57%	8"	TYPE II	-
** P-8	S-8	STA 12+54.44,LT-33.00'	847.70	847.76	13	11	0.54%	8"	TYPE II	-
** P-9	S-9	STA 12+09.78,LT-33.00'	847.80	847.86	13	13	0.47%	8"	TYPE II	-

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PAY LGTH (FT)	PIPE SIZE	PIPE TYPE	NOTES
LOWELL STREET							
RP-1	RS-2	IN4857-059	32	0	12"	RCP	-
** RP-2	RS-3	RS-4	13	52	12"	RCP	[7]
** RP-3	RS-4	RS-5	10	20	12"	RCP	[7]
** RP-4	RS-5	RS-6	37	74	12"	RCP	[7]
** RP-5	RS-6	RS-7	13	52	12"	RCP	[7]
** RP-6	RS-7	AS4857-072	15	15	24"	RCP	[7]
** RP-7	RS-7	RS-2	45	6	12"	RCP	-
** RP-8	RS-8	RS-4	57	54	12"	RCP	-

NOTE: 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.

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA

= DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN

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

- TOP OF CONCRETE ROOF (TR) IS 1.25 BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.

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

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

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

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

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

- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE

SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT TODD CHOJNOWSKI OF CITY ENGINEERING

AT (608) 266-4094 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO

TCHOJNOWSKI@CITYOFMADISON.COM.

STORM SEWER SCHEDULE

* 3/20/2024 TAC ADDENDUM 2
** 7/16/2024 TAC REVISION 1

LOWELL STREET ASSESSMENT DISTRICT 2024	SHEET NO.
PROJECT NO. 14078	U-7
STORM SEWER SCHEDULE	
CITY OF MADISON	

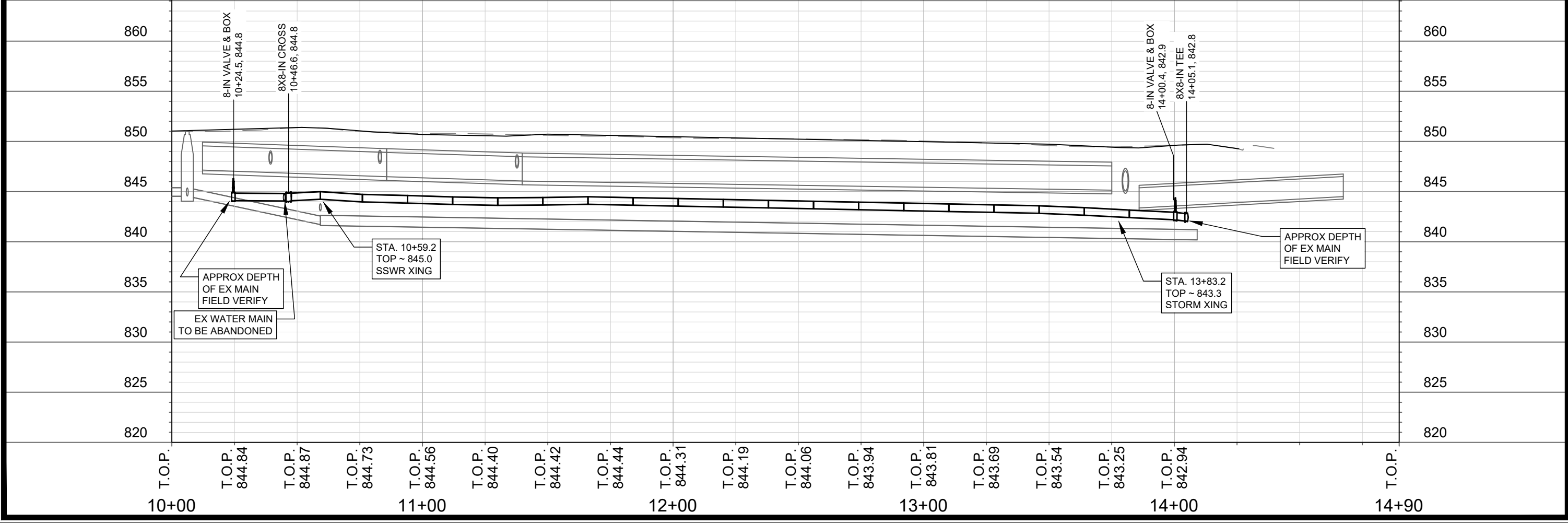
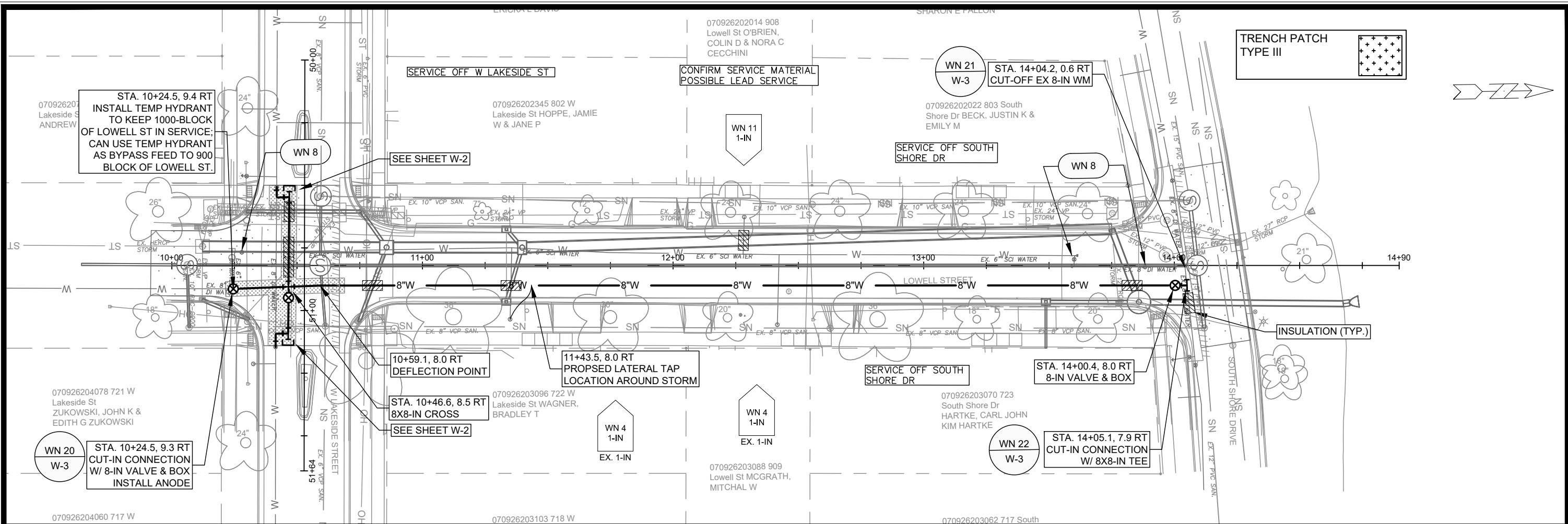
STORM SEWER ULOs (5 ADDITIONAL UNDISTRIBUTED ULOs INCLUDED)

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV.	NOTES
LOWELLSTREET					
** ULO-1	14+33.94	RT-8.90	MMSD SAN	845.94	TOP OF ABANDONED 30" CI FORCE MAIN EXITING STRUCTURE WEST
** ULO-2	14+21.82	RT-9.13	MMSD SAN	842.43	TOP OF 36" DI FORCE MAIN
** ULO-3	14+05.91	RT-12.35	WATER	841.56	TOP OF EX 8"-OFFSET REQUIRED FOR PROPOSED SANITARY
ULO-4	12+53.78	LT-10.72	GAS	-	-
ULO-5	10+82.27	LT-12.06	GAS	-	-
ULO-6	10+77.93	LT-18.30	GAS	-	-
** ULO-7	13+86.18	RT-20.91	MMSD SAN	846.05	TOP OF ABANDONED 30" CI FORCE MAIN

SPECIFIC NOTES

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SASs.
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- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL REBAR FOR FIELD POUR STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.
- ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3.
- ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT TODD CHOJNOWSKI OF CITY ENGINEERING AT (608) 266-4094 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO TCHOJNOWSKI@CITYOFMADISON.COM.



14078

MADISON, WI

CONTRACT NO: 8712

LOWELL ST - WATER PLAN & PROFILE

LOWELL ST RECONSTRUCTION

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14078

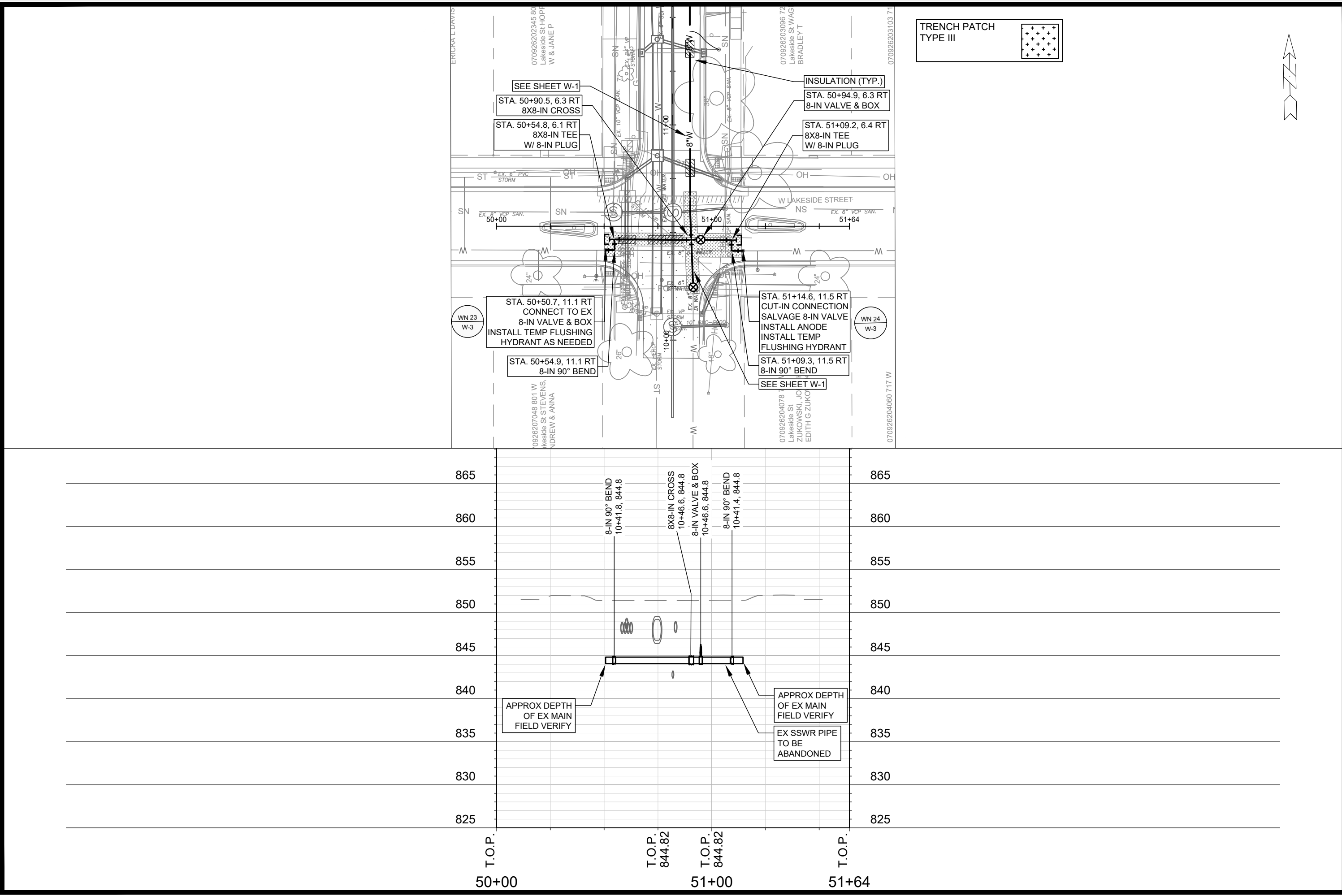
W-1

DATE	BY
3/4/2024 3:18 PM	W-1

Scale: 1" = 40'

Revised By: RJN

14078





14078
W-2

W LAKESIDE STREET - WATER PLAN & PROFILE

LOWELL ST RECONSTRUCTION

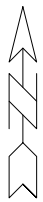
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14078

MADISON, WI

CONTRACT NO: 8712

MARK	REVISION	Date	BY
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1" = 100'

WN 20: CUT-IN CONNECTION.

ISOLATION VALVES:

- V-6518 (LOWELL ST & W LAKESIDE ST)
- V-6515 (LOWELL ST & EMERSON ST)

PROVIDE NOTICE:

- 1009, 1012, 1013, 1014 LOWELL ST

WN 21: CUT-OFF EX 8-IN WM.

ISOLATION VALVES:

- V-35 (LOWELL ST & SOUTH SHORE DR)
- V-36 (LOWELL ST & SOUTH SHORE DR)
- V-38 (LOWELL ST & SOUTH SHORE DR)

PROVIDE NOTICE:

- 908, 909 LOWELL ST & 722 W LAKESIDE ST WHEN SWITCHING TO BYPASS.

WN 22: CUT-IN CONNECTION.

ISOLATION VALVES:

- V-35 (LOWELL ST & SOUTH SHORE DR)
- V-36 (LOWELL ST & SOUTH SHORE DR)
- V-38 (LOWELL ST & SOUTH SHORE DR)

PROVIDE NOTICE:

- NONE.

WN 23: CUT-IN CONNECTION.

ISOLATION VALVES:

- V-22 (W LAKESIDE ST & S PARK ST)
- V-8632 (LOWELL ST & W LAKESIDE ST)

PROVIDE NOTICE:

- 801, 802, 805, 806, 809, 810, 813, 814, 817, 818, 821, 822, 825, 826, 829, 830, 833, 834, 837, 838, 840, 844, 848 W LAKESIDE ST.
- 999, 1017, 1021 S PARK ST
- OUTAGE TO OCCUR ON MONDAY

WN 24: CUT-IN CONNECTION.

ISOLATION VALVES:

- V-8 (WHITTIER ST & W LAKESIDE ST)
- V-9 (WHITTIER ST & W LAKESIDE ST)
- V-10 (WHITTIER ST & W LAKESIDE ST)
- V-27 (LOWELL ST & W LAKESIDE ST)

PROVIDE NOTICE:

- 701, 702, 705, 706, 709, 710, 713, 714, 717, 718, 721 W LAKESIDE ST.

DISCLAIMER NOTE:

THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

WATER IMPACT PLAN	14078	MADISON, WI	CONTRACT NO: 8712	BY	DATE	Scale: 1" = 100'	W-3
				REVISION	DATE		
				MARK	DATE		
				DESIGNED BY	DATE		
LOWELL ST RECONSTRUCTION				M:\DESIGN\Projects\14078\CAD\Water\14078 WU ImpactPlan.dwg			
14078							
W-3							

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT STORM CROSSINGS AND OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.

WN-1	REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
WN-2	EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
WN-3	EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
WN-4	DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
WN-5	RELOCATE THE EXISTING FIRE HYDRANT.
WN-6	ABANDON WATER VALVE ACCESS STRUCTURE.
WN-7	FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
WN-8	ABANDON THE VALVE BOX.
WN-9	FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
WN-10	REMOVE AND SALVAGE EXISTING HYDRANT
WN-11	REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE
WN-20+	SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

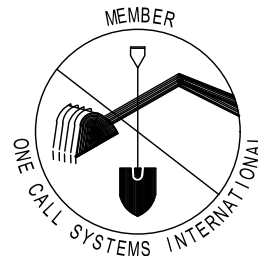
<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>
FURNISH AND INSTALL 8 INCH PIPE & FITTINGS	460	LNFT
FURNISH AND INSTALL 8-INCH WATER VALVE	3	EACH
REPLACE 1-INCH SERVICE LATERAL	1	EACH
RECONNECT 1-INCH SERVICE LATERAL	2	EACH
CUT-IN OR CONNECT TO EXISTING WATER SYSTEM	4	EACH
CUT OFF EXISTING WATER MAIN	1	EACH
ABANDON WATER VALVE BOX	3	EACH
STYROFOAM INSULATION BOARDS	10	EACH
8-IN MJ PLUG	2	EACH
8X8-IN CROSS	1	EACH
8-IN 90° BEND	2	EACH
8X8-IN TEE	3	EACH
INSTALL ANODE	2	EACH

8-IN VALVE 1 SALVAGE
 * ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE
 ACCURACY OF MATERIAL TAKE-OFF.

TO OBTAIN LOCATION OF
PARTICIPANTS' UNDERGROUND
FACILITIES BEFORE YOU
DIG IN WISCONSIN

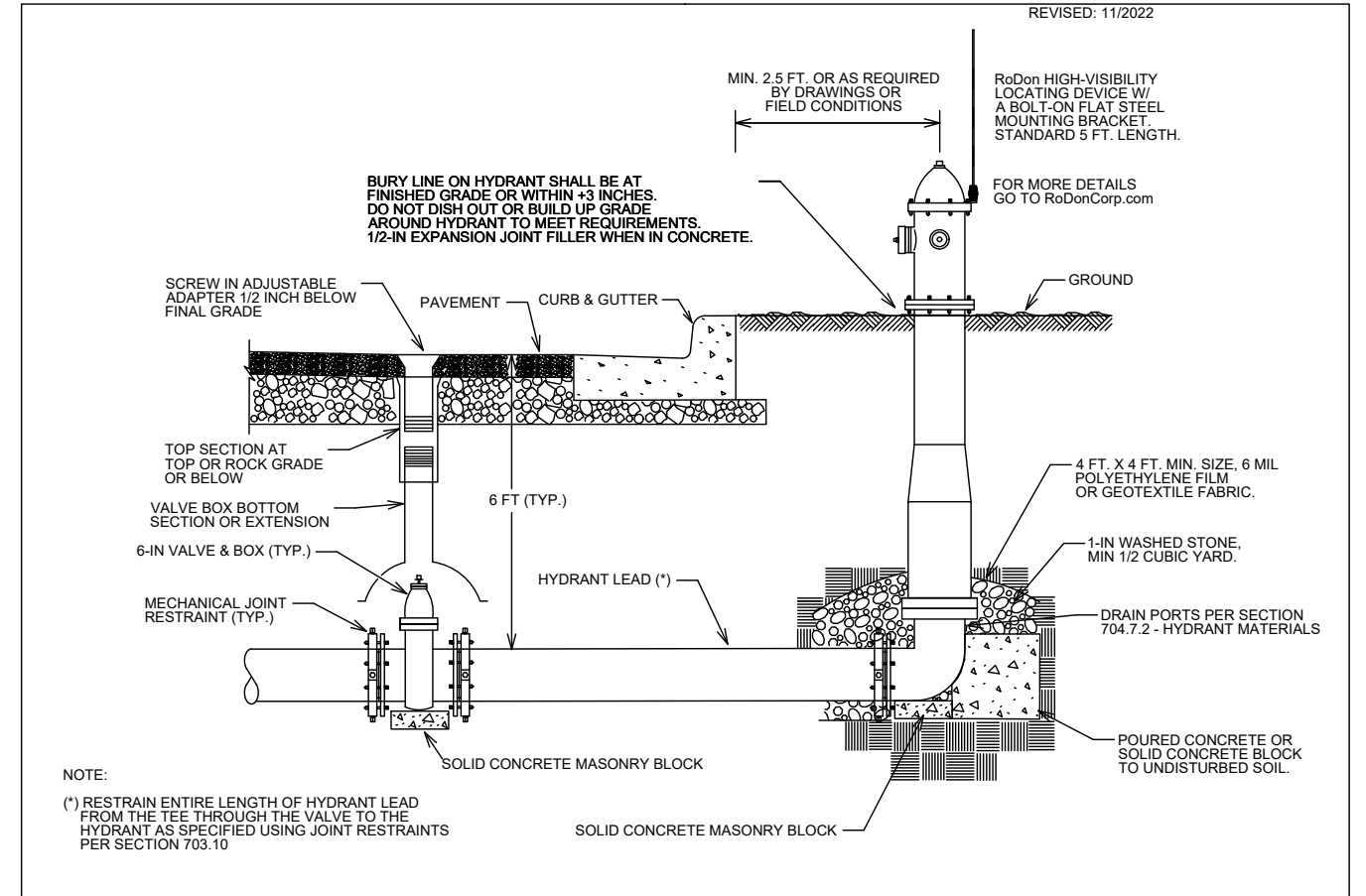
CALL DIGGERS HOTLINE
TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.



PART VII - WATER MAINS AND SERVICE LATERALS

REVISÉ: 11/2022



NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

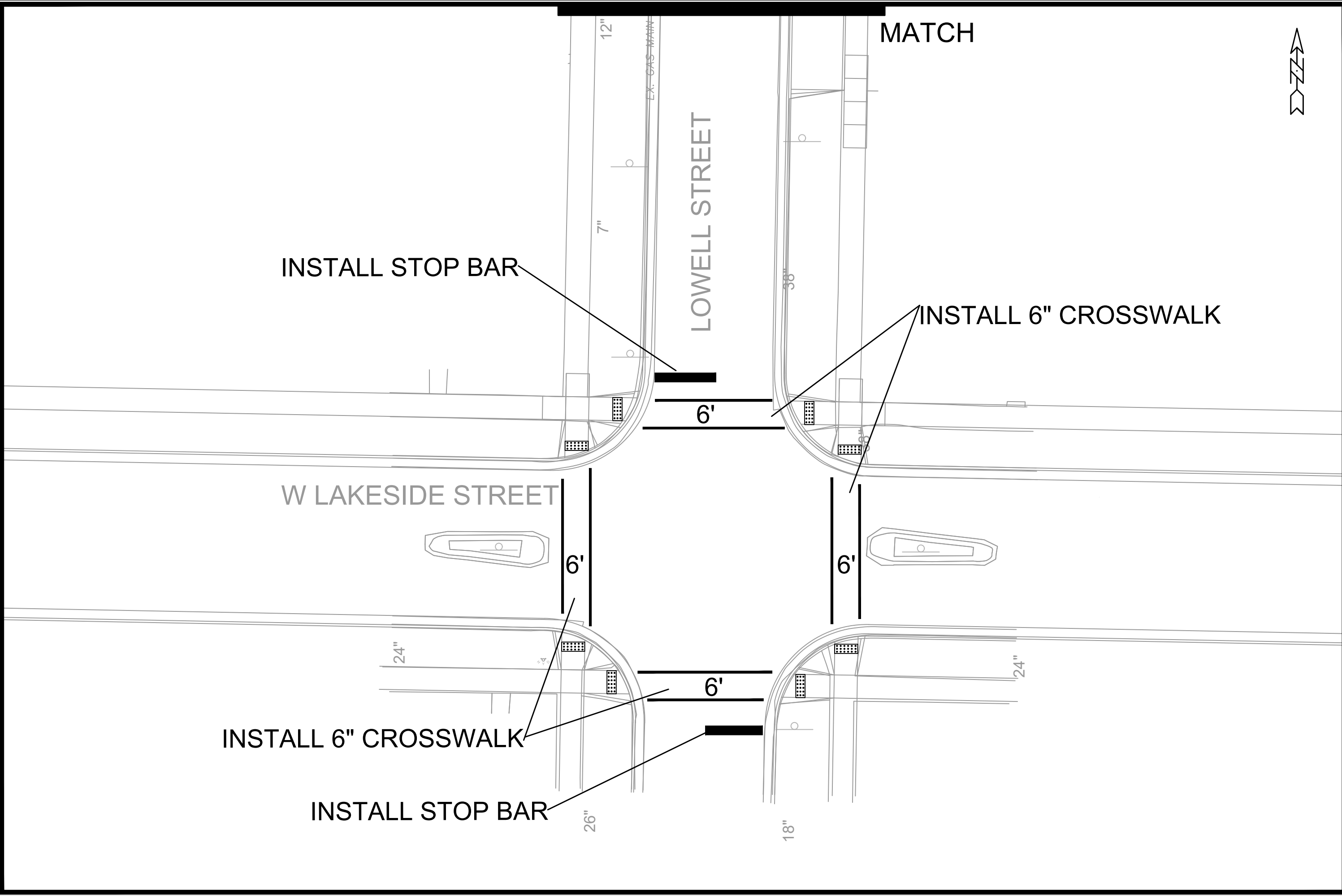
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Designed By:	RJN	Date: 3/4/2024 3:19 PM	N/A
14078			W-4

14078	MADISON, WI	8712
CONTRACT NO:		

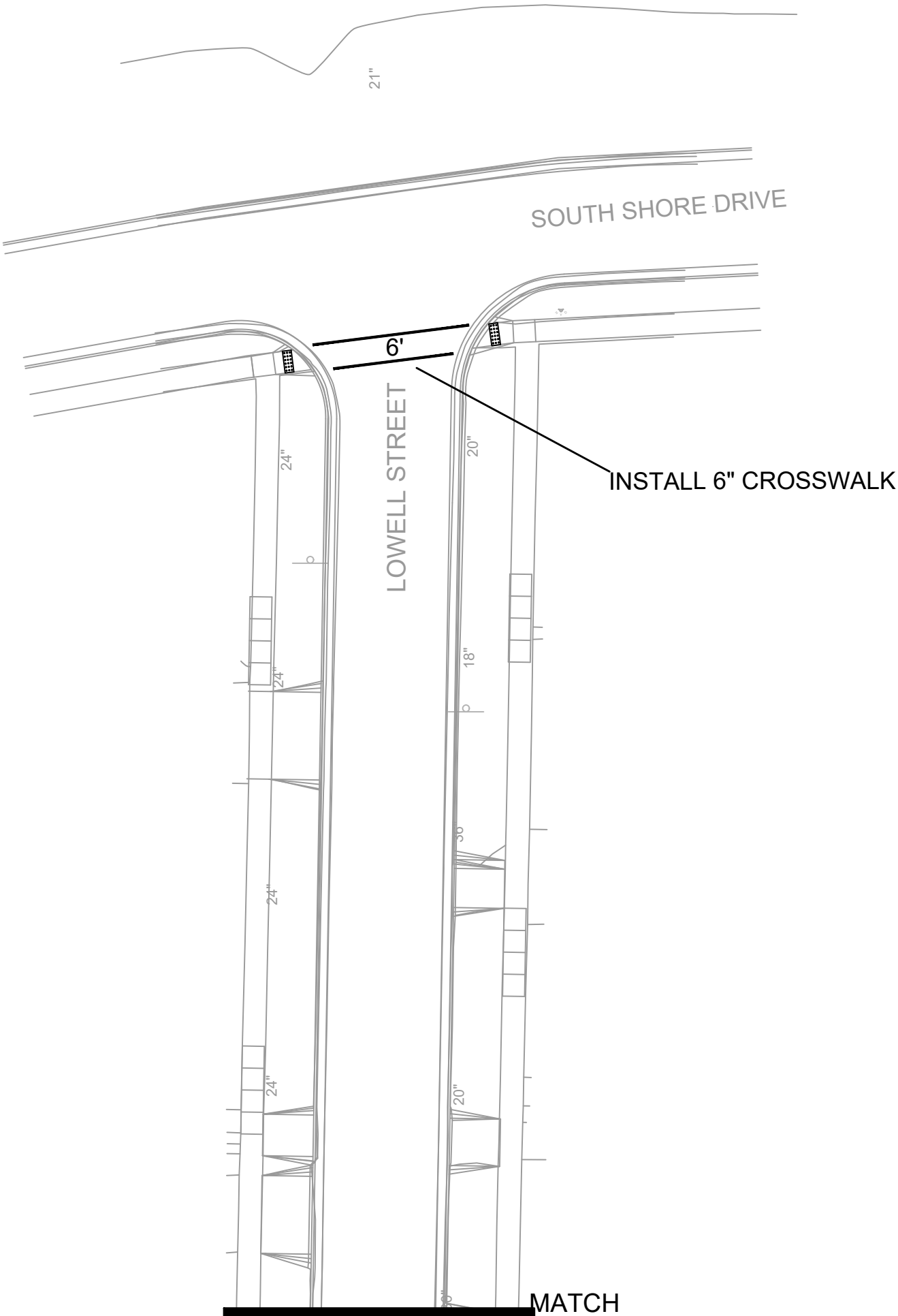
WATER ESTIMATE OF MATERIALS
LOWELL ST RECONSTRUCTION
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14078
W-4



	PAVEMENT MARKING PLAN		14078	
	LOWELL ST RECONSTRUCTION		MADISON, WI	
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14078		M-1		
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	PAVEMENT MARKING PLAN		14078		
	LOWELL ST RECONSTRUCTION		MADISON, WI		
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	14078		M-2		
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		14078	Date: 3/4/2024 3:19 PM	Scale: Custom	M-2

