CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

Madison, Wisconsin

PUBLIC IMPROVEMENT PROJECT APPROVED

APRIL 15, 2025

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

ENG- Greg Fries 05/09/2025
ENG- Greg Fries (May 9, 2025 08:37 CDT)

City Engineer — Date

INDEX OF SHEETS

SHEET NO.	D1-D2	DETAIL SHEETS
SHEET NO.	EC1-EC2	EROSION CONTROL PLANS
SHEET NO.	P1-P3	STREET PLAN & PROFILES
SHEET NO.	U1-U4	UTILITY PLAN & PROFILES
SHEET NO.	U5-U6	STORM SEWER SCHEDULE
SHEET NO.	WI-W4	WATER PLANS
SHEET NO.	W5-W6	WATER IMPACT PLAN
SHEET NO.	W7	WATER ESTIMATE OF MATERIALS
SHEET NO.	E1	ELECTRICAL PLANS
SHEET NO.	PM1-PM4	PAVEMENT MARKING PLANS
SHEET NO.	TC1-TC2	TRAFFIC CONTROL PLANS

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

CITY PROJECT NO. 15271

CONTRACT NO. 9591

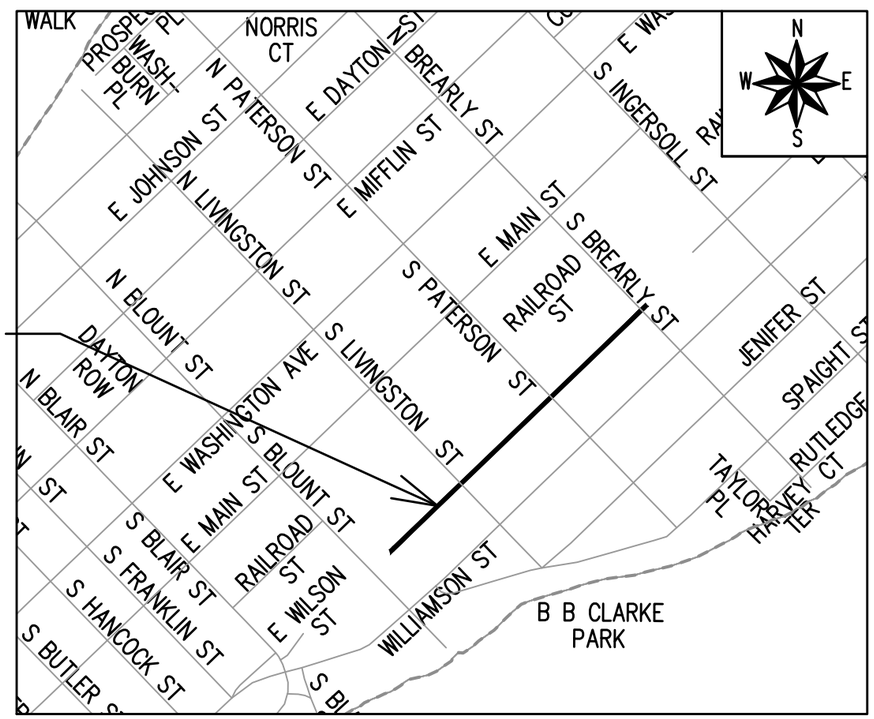
CONVENTIONAL SIGNS
FIELD VERIFY ALL UTILITY LOCATIONS

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	

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

PROJECT LOCATION



EARTH WORK SUMMARY:

EXCAVATION CUT (MEASURED PLAN QUANTITY)	= 805 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT	= 0 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT	= 805 C.Y.

STORM SEWER DESIGNED BY:

WISCONSIN JANET SCHMIDT E-34681 MADISON WI PROFESSIONAL ENGINEER

05/09/2025

STREET DESIGNED BY:

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

05/09/2025

PAVEMENT MARKING DESIGNED BY:

WISCONSIN SEAN D MALLOY E-48326 MADISON WI PROFESSIONAL ENGINEER

05/09/2025

WATER DESIGNED BY:

WISCONSIN ADAM R. WIEDERHOEFT E-41559 MADISON WI PROFESSIONAL ENGINEER

05/09/2025

TRAFFIC CONTROL DESIGNED BY:

WISCONSIN SEAN D MALLOY E-48326 MADISON WI PROFESSIONAL ENGINEER

05/09/2025

ELECTRICAL DESIGNED BY:

WISCONSIN GRETCHEN M AVILES PINEIRO E-47473 MADISON WI PROFESSIONAL ENGINEER

05/09/2025

TYPE A INLET PROTECTION SHALL BE INSTALLED UNTIL VEGETATION HAS GROWN AND COVERED 70% OF THE RESTORED AREA (TYP).

RESTORE THE AREA 5' FROM PAVEMENT EDGE W/ 6" TOPSOIL, TERRACE SEED MIX, & MATTING (CLASS I, URBAN B) W/ 6" STAKES (TYP)

INSTALL 7" CONCRETE SIDEWALK. MAINTAIN SEPARATION ALONG EDGE OF CONCRETE SAS ROOF.

EXISTING SCULPTURE REMOVED BY OTHERS & WILL BE REPLACED BY OTHERS AFTER PROJECT COMPLETION. COORDINATION WILL BE COMPLETED BY ENGINEERING.

RESTORE THE 30 S.Y. AREA W/ 6" TOPSOIL, SHORTGRASS PRAIRIE SEED MIX, & MATTING (CLASS I, URBAN B) W/ 6" STAKES. INSTALL APPROX 350' OF CONSTRUCTION FENCE AT PERIMETER OF PRAIRIE SEEDED AREA.

TO BE COMPLETED BY OTHERS: EXISTING TURTLE EFFIGY (MEMORIAL) SHALL BE CAREFULLY REMOVED, STORED & REPLACED AFTER AREA HAS BEEN RESTORED WITH BACKFILL, PRIOR TO SEEDING.

INSTALL APPROX 650' OF CONSTRUCTION FENCE AFTER BACKFILL & SEEDING.

STATE OF WI WISDOT
%WSOR

070913412014
224 S Paterson St
STATE OF WI WISDOT
%WSOR

CAPITOL CITY TRAIL
EAST WILSON STREET

43'

12'

13'

8'

RESTORE THE AREA W/ 6" TOPSOIL, NO MOW SEED MIX, & MATTING (CLASS I, URBAN B) W/ 6" STAKES (TYP)

070913417113
722 Williamson St
722 WILLIAMSON LLC

EX 12" PRVT STM

070913417121
302 S Livingston St
300 SOUTH LIVINGSTON LLC
MADISON URBAN LIVING

MG&E DISCHARGE PIPE TWIN VERTICAL 6X6 BOXES

SOUTH LIVINGSTON STREET

070913413137
301 S Livingston St
RENAISSANCE PROPERTIES LLC

MATCH LINE 18+00.00

REMOVE & REPLACE 346 S.F. ASPHALT PATH W/FULL DEPTH PATH REPLACEMENT PER S.D.D. 4.08

CONTRACTOR SHALL COORDINATE ON-SITE PRE-CONSTRUCTION MEETING WITH CITY ENGINEERING STAFF PRIOR TO LANDSCAPE RESTORATION.

- 6" TOPSOIL, NO MOW SEED MIX, & CLASS I, TYPE B - ORGANIC MATTING W/6" STAKES
- 6" TOPSOIL, SHORTGRASS SEED MIX, & CLASS I, TYPE B - ORGANIC MATTING W/6" STAKES
- 6" TOPSOIL, TERRACE SEED MIX, & CLASS I, TYPE B - ORGANIC MATTING W/6" STAKES
- EXCAVATE 1' OF SOIL. ROTOTILL AREA (6" DEPTH, KEEP 10' FROM TREES) PRIOR TO BACKFILL. INSTALL 6" SELECT FILL (PIT RUN SAND), THEN 6" 85/15 ENGINEERED SOIL, & SHORTGRASS PRAIRIE SEED MIX. TEMP SEED WITH REGREEN SEED MIX. NO MULCH OR MATTING.

TYPE A INLET PROTECTION SHALL BE INSTALLED UNTIL VEGETATION HAS GROWN AND COVERED 70% OF THE RESTORED AREA (TYP).

INSTALL 7" CONCRETE SIDEWALK. MAINTAIN SEPARATION ALONG EDGE OF CONCRETE SAS ROOF.

RESTORE THE AREA 5' FROM PAVEMENT EDGE W/ 6" TOPSOIL, TERRACE SEED MIX, & MATTING (CLASS I, URBAN B) W/ 6" STAKES (TYP)

070913412014
224 S Paterson St
STATE OF WI WISDOT
%WSOR

INSTALL APPROX 650' OF CONSTRUCTION FENCE AFTER BACKFILL & SEEDING.

CAPITOL CITY TRAIL
EAST WILSON STREET

20'

12'

MATCH LINE 18+00.00

070913413137
301 S Livingston St
RENAISSANCE
PROPERTIES LLC

EX 10" PRVT STM

PLUGGED PRVT STM

070913413012
302 S Paterson St
WILLIAMSON STREET
PROPERTY GROUP LLC

MATCH LINE 22+50.00

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15271

MADISON, WI

9591

CONTRACT NO:

CAPITAL CITY TRAIL - RESTORATION NOTES

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

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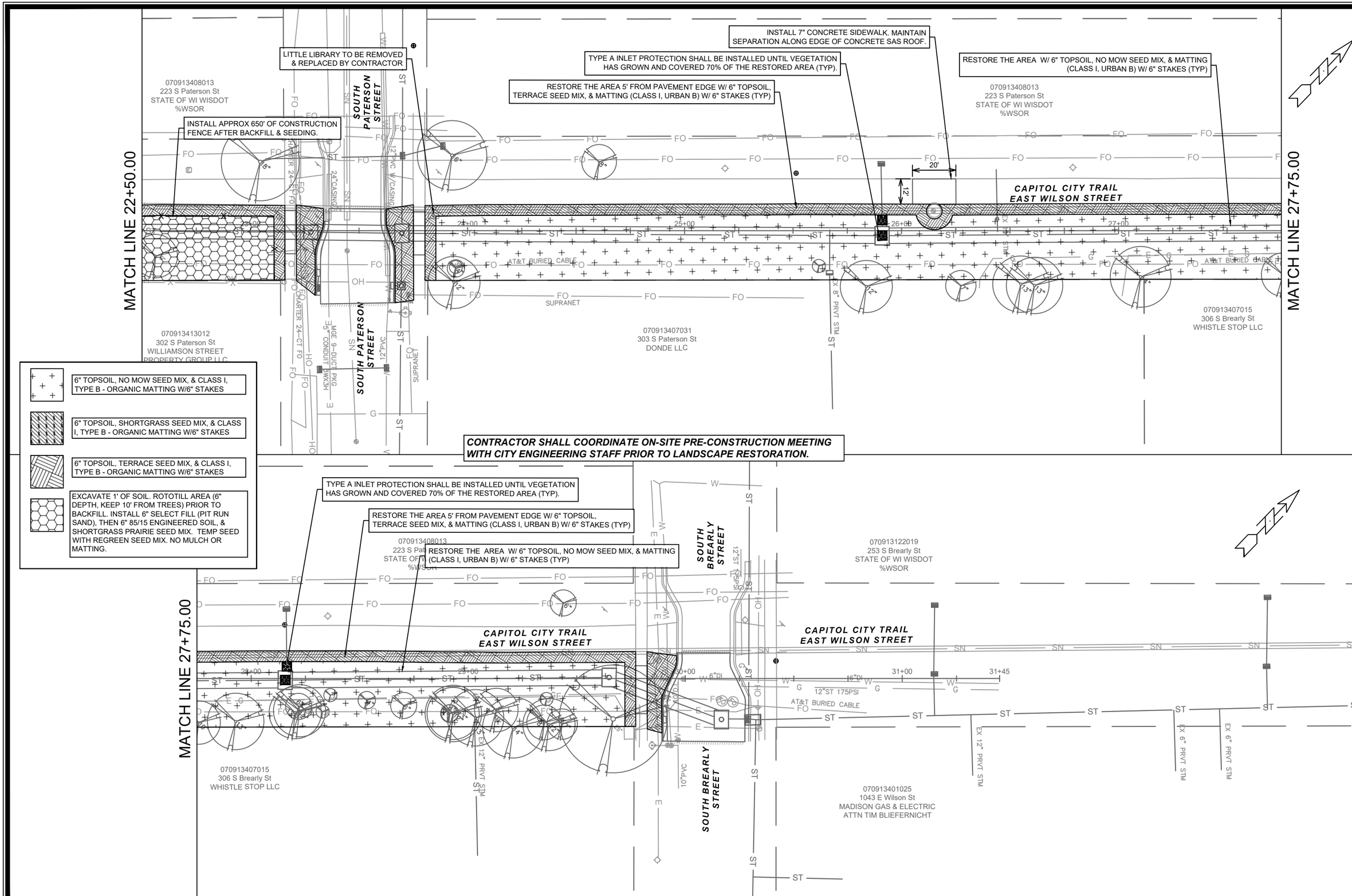
15271

D-1



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15271

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CAPITAL CITY TRAIL - RESTORATION NOTES

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15271

D-2

TREE REMOVALS:
1) 12" ASH
2) 3" OAK
3) 20" NORWAY MAPLE

PROJECT LIMITS
NO ACCESS, STORAGE, OR STOCKPILES ALLOWED BEYOND 25-FT FROM PROPOSED STORM SEWER

ACCESS VIA PATH IS ALLOWED WHEN CLOSED TO TRAFFIC

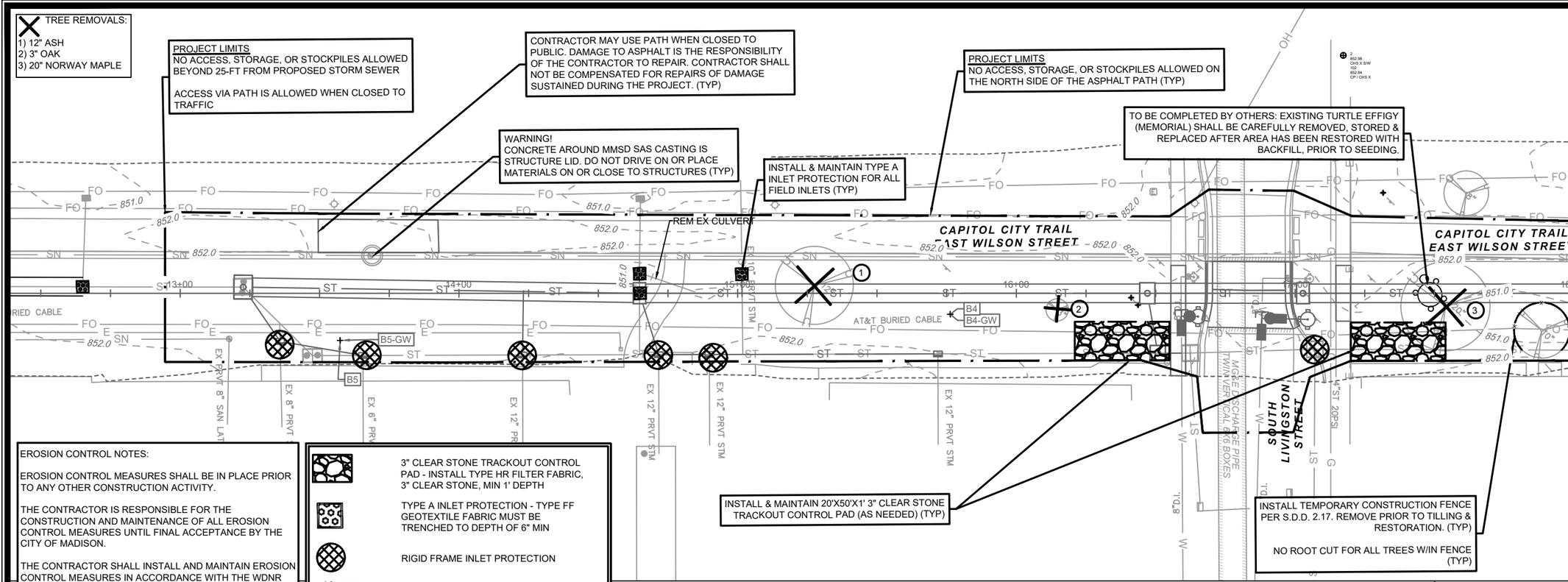
CONTRACTOR MAY USE PATH WHEN CLOSED TO PUBLIC. DAMAGE TO ASPHALT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR. CONTRACTOR SHALL NOT BE COMPENSATED FOR REPAIRS OF DAMAGE SUSTAINED DURING THE PROJECT. (TYP)

WARNING!
CONCRETE AROUND MMSD SAS CASTING IS STRUCTURE LID. DO NOT DRIVE ON OR PLACE MATERIALS ON OR CLOSE TO STRUCTURES (TYP)

INSTALL & MAINTAIN TYPE A INLET PROTECTION FOR ALL FIELD INLETS (TYP)

PROJECT LIMITS
NO ACCESS, STORAGE, OR STOCKPILES ALLOWED ON THE NORTH SIDE OF THE ASPHALT PATH (TYP)

TO BE COMPLETED BY OTHERS: EXISTING TURTLE EFFIGY (MEMORIAL) SHALL BE CAREFULLY REMOVED, STORED & REPLACED AFTER AREA HAS BEEN RESTORED WITH BACKFILL, PRIOR TO SEEDING.



INSTALL & MAINTAIN 20'X50'X1' 3" CLEAR STONE TRACKOUT CONTROL PAD (AS NEEDED) (TYP)

INSTALL TEMPORARY CONSTRUCTION FENCE PER S.D.D. 2.17. REMOVE PRIOR TO TILLING & RESTORATION. (TYP)

NO ROOT CUT FOR ALL TREES W/IN FENCE (TYP)

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 THE WDNR SOC 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.

3" CLEAR STONE TRACKOUT CONTROL PAD - INSTALL TYPE HR FILTER FABRIC, 3" CLEAR STONE, MIN 1' DEPTH

TYPE A INLET PROTECTION - TYPE FF GEOTEXTILE FABRIC MUST BE TRENCHED TO DEPTH OF 6" MIN

RIGID FRAME INLET PROTECTION

TEMPORARY CONSTRUCTION FENCE (PLACE AS NEEDED AROUND TREES & ROW PERIMETER)

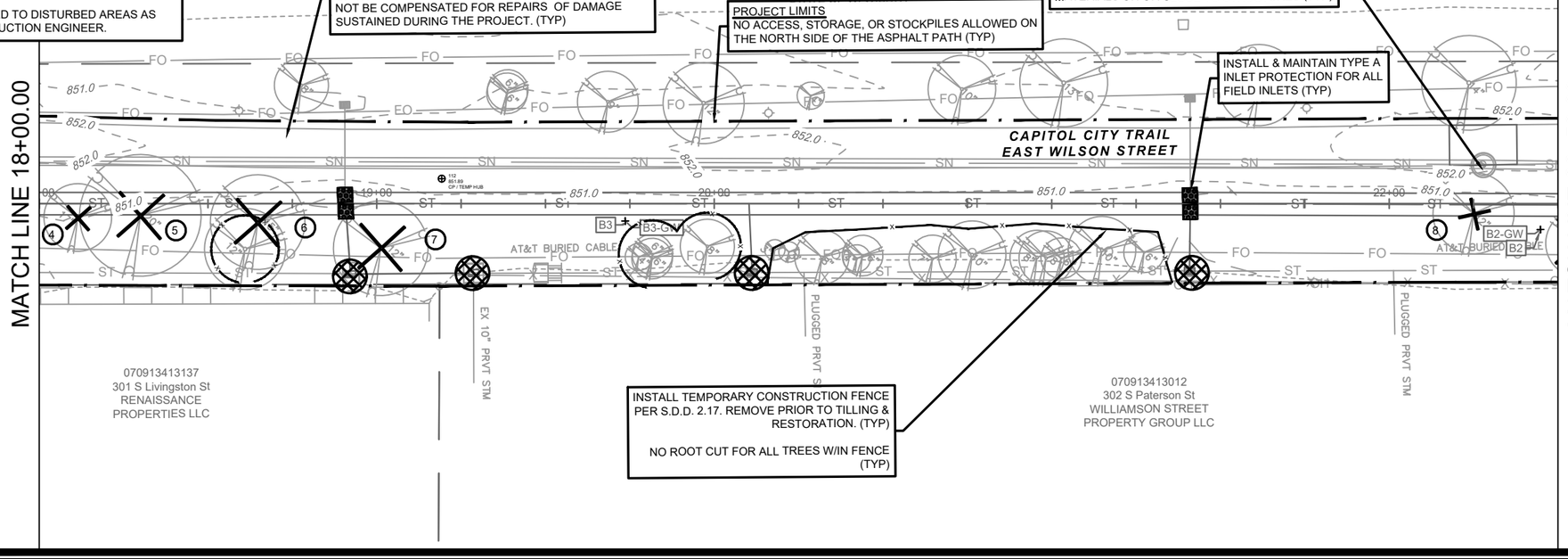
TREE REMOVALS:
4) 17" CRABAPPLE
5) 20" HONEYLOCUST
6) 15" RED MAPLE
7) 12" WALNUT
8) 12" CRABAPPLE

CONTRACTOR MAY USE PATH WHEN CLOSED TO PUBLIC. DAMAGE TO ASPHALT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR. CONTRACTOR SHALL NOT BE COMPENSATED FOR REPAIRS OF DAMAGE SUSTAINED DURING THE PROJECT. (TYP)

PROJECT LIMITS
NO ACCESS, STORAGE, OR STOCKPILES ALLOWED ON THE NORTH SIDE OF THE ASPHALT PATH (TYP)

WARNING!
CONCRETE AROUND MMSD SAS CASTING IS STRUCTURE LID. DO NOT DRIVE ON OR PLACE MATERIALS ON OR CLOSE TO STRUCTURES (TYP)

INSTALL & MAINTAIN TYPE A INLET PROTECTION FOR ALL FIELD INLETS (TYP)



INSTALL TEMPORARY CONSTRUCTION FENCE PER S.D.D. 2.17. REMOVE PRIOR TO TILLING & RESTORATION. (TYP)

NO ROOT CUT FOR ALL TREES W/IN FENCE (TYP)

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15271 | EC-1

15271

CONTRACT NO: 9591

MADISON, WI

CAPITAL CITY TRAIL - EROSION CONTROL

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

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CITY OF MADISON WISCONSIN

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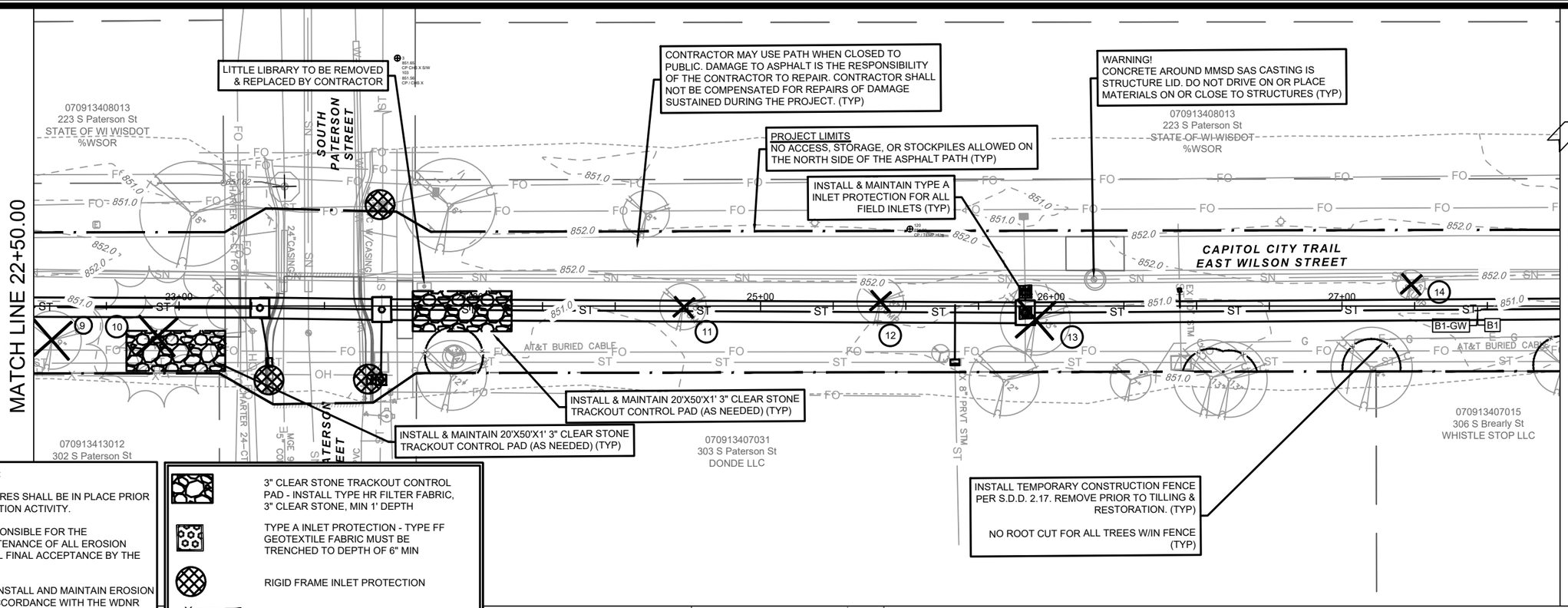
TREE REMOVALS:
9) 9" MULBERRY
10) 21" RED PINE
11) 8" STUMP
12) 8" STUMP
13) 13" ELM
14) 5" STUMP



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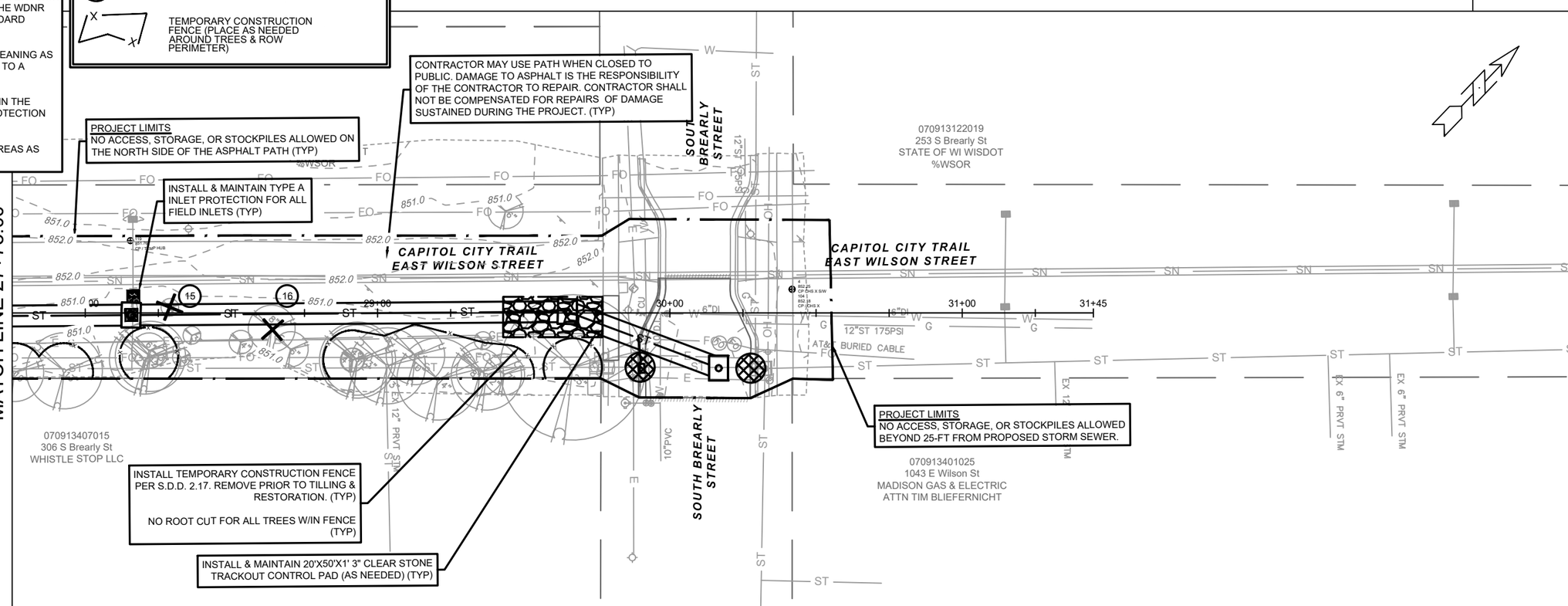
POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

- 3" CLEAR STONE TRACKOUT CONTROL PAD - INSTALL TYPE HR FILTER FABRIC, 3" CLEAR STONE, MIN 1' DEPTH
- TYPE A INLET PROTECTION - TYPE FF GEOTEXTILE FABRIC MUST BE TRENCHED TO DEPTH OF 6" MIN
- RIGID FRAME INLET PROTECTION
- TEMPORARY CONSTRUCTION FENCE (PLACE AS NEEDED AROUND TREES & ROW PERIMETER)

TREE REMOVALS:
15) 4" HONEYLOCUST
16) 8" MULBERRY



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EC-2

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MADISON, WI

CONTRACT NO: 9591

CAPITAL CITY TRAIL - EROSION CONTROL

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

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EC-2

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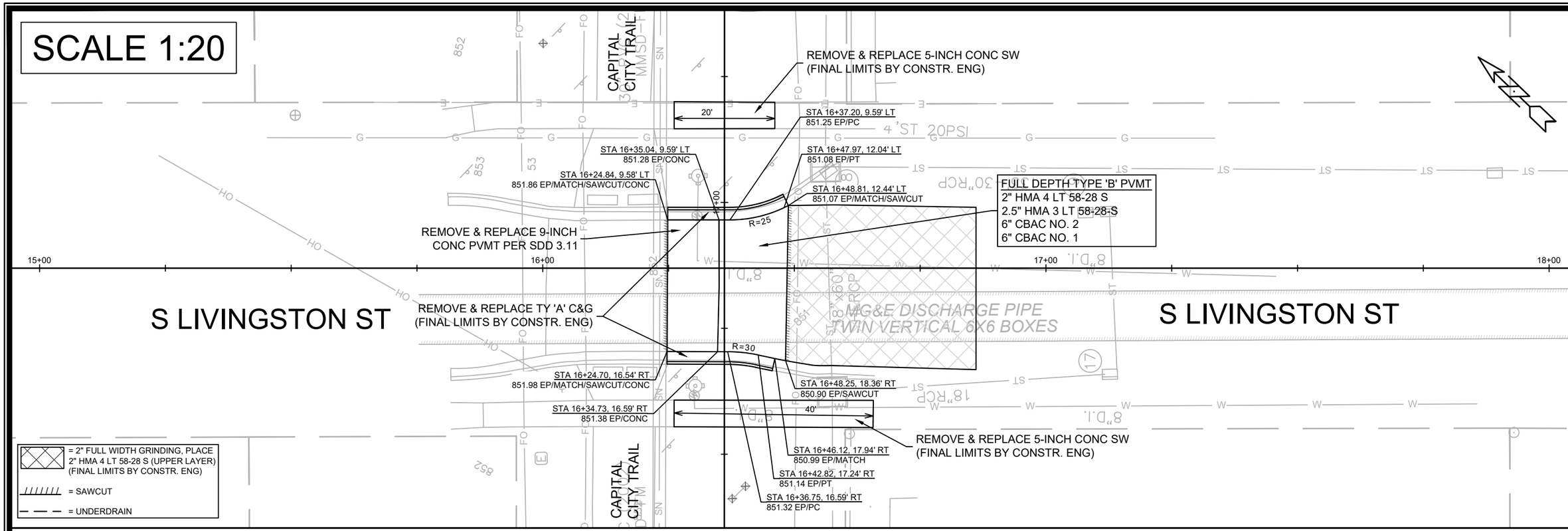

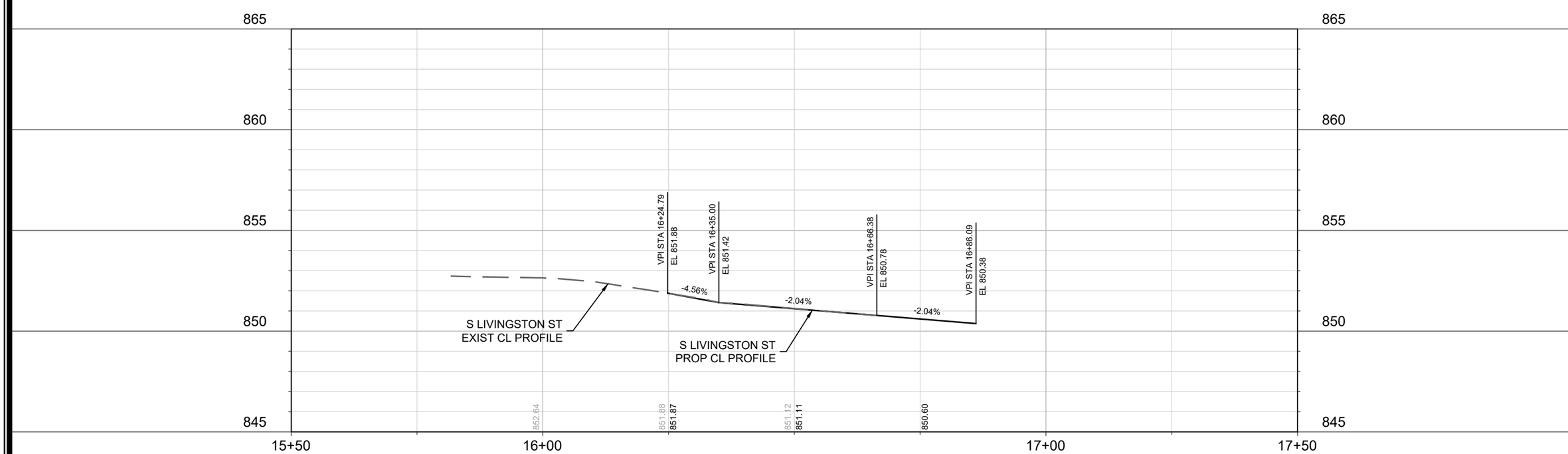

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15271

MADISON, WI

CONTRACT NO: 9591

S LIVINGSTON ST - PLAN & PROFILE

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

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CITY OF MADISON WISCONSIN

15271

P-1

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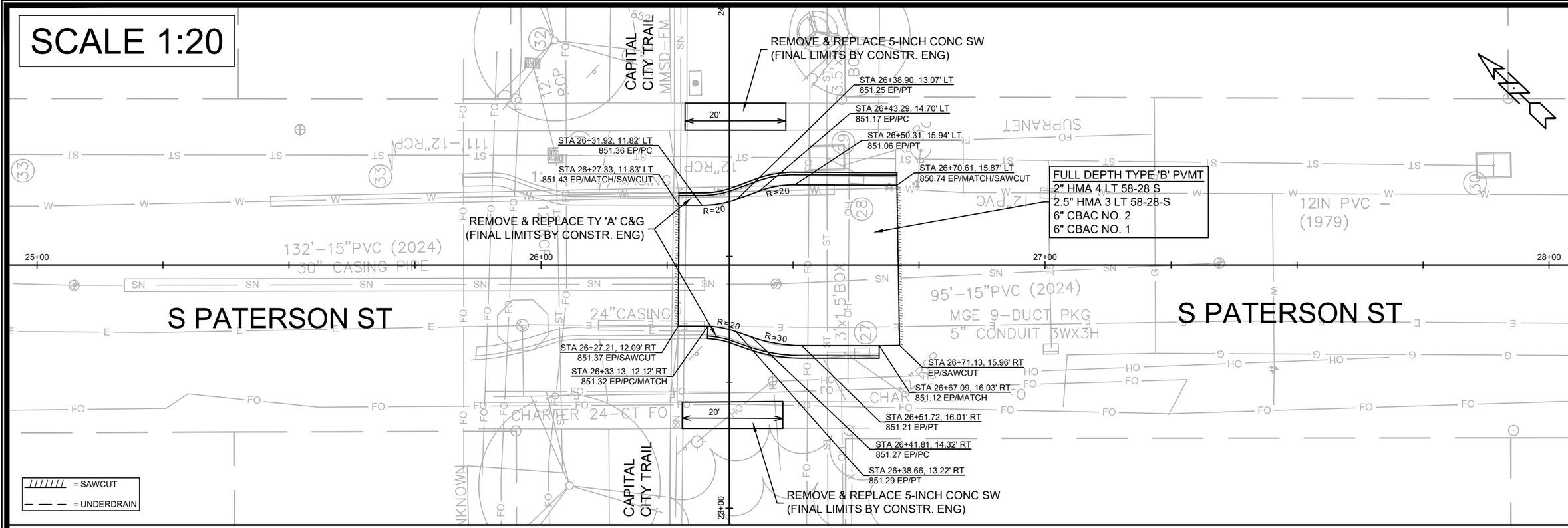

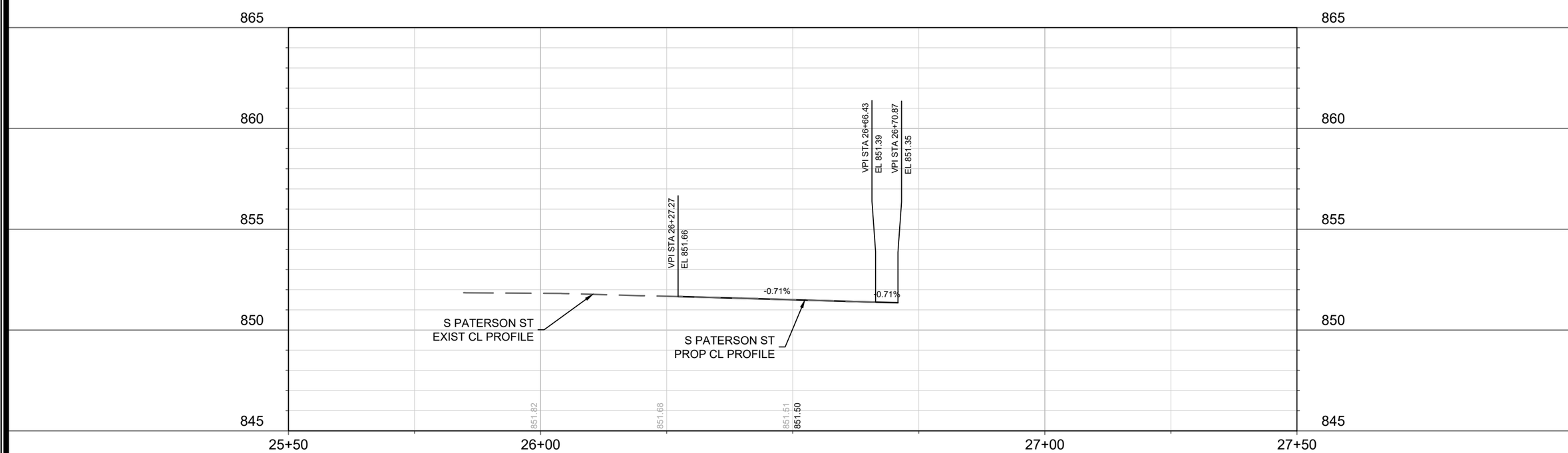

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CONTRACT NO:

S PATERSON ST - PLAN & PROFILE

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

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CITY OF MADISON WISCONSIN

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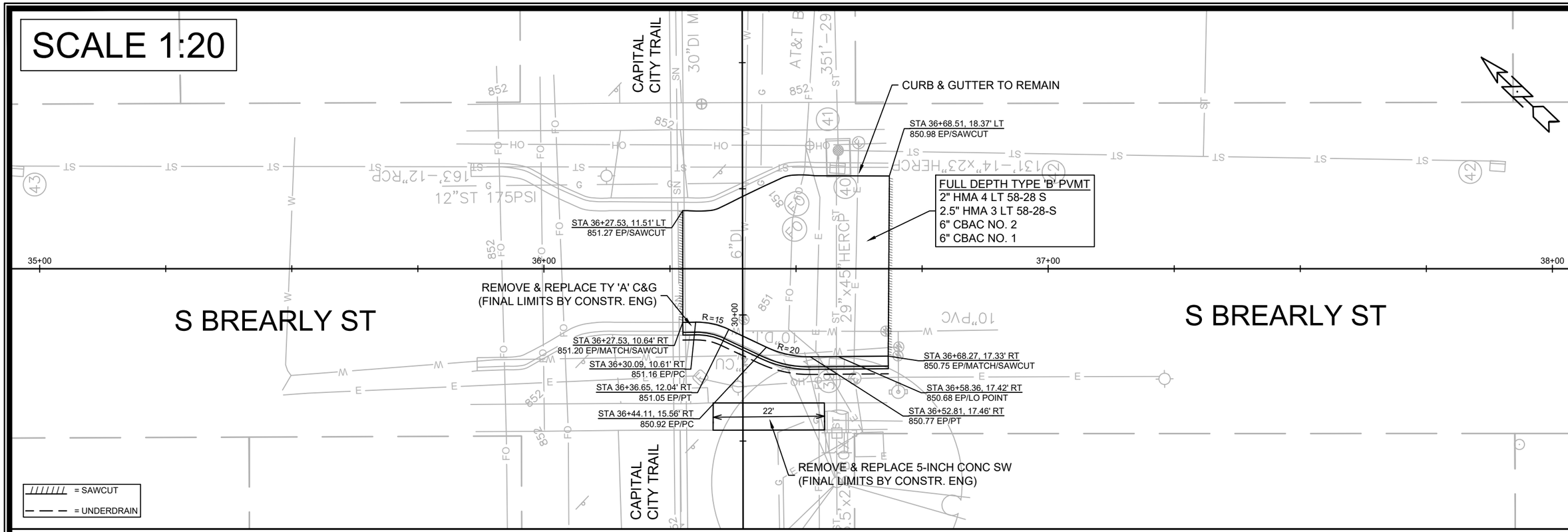

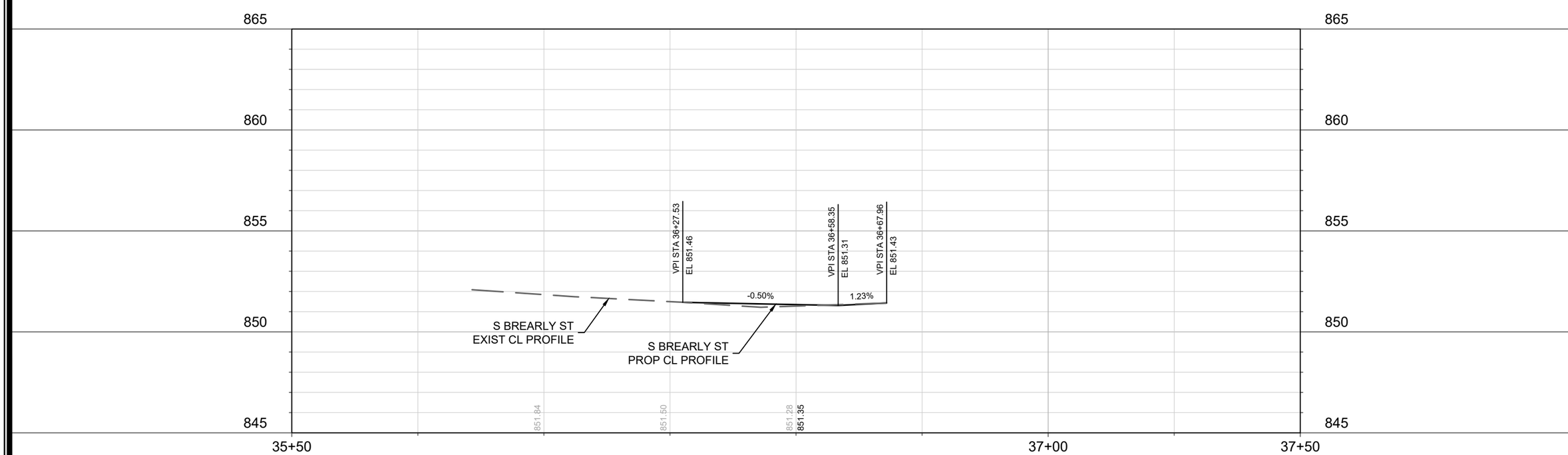

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MADISON, WI

CONTRACT NO: 9591

S BREARLY ST - PLAN & PROFILE

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

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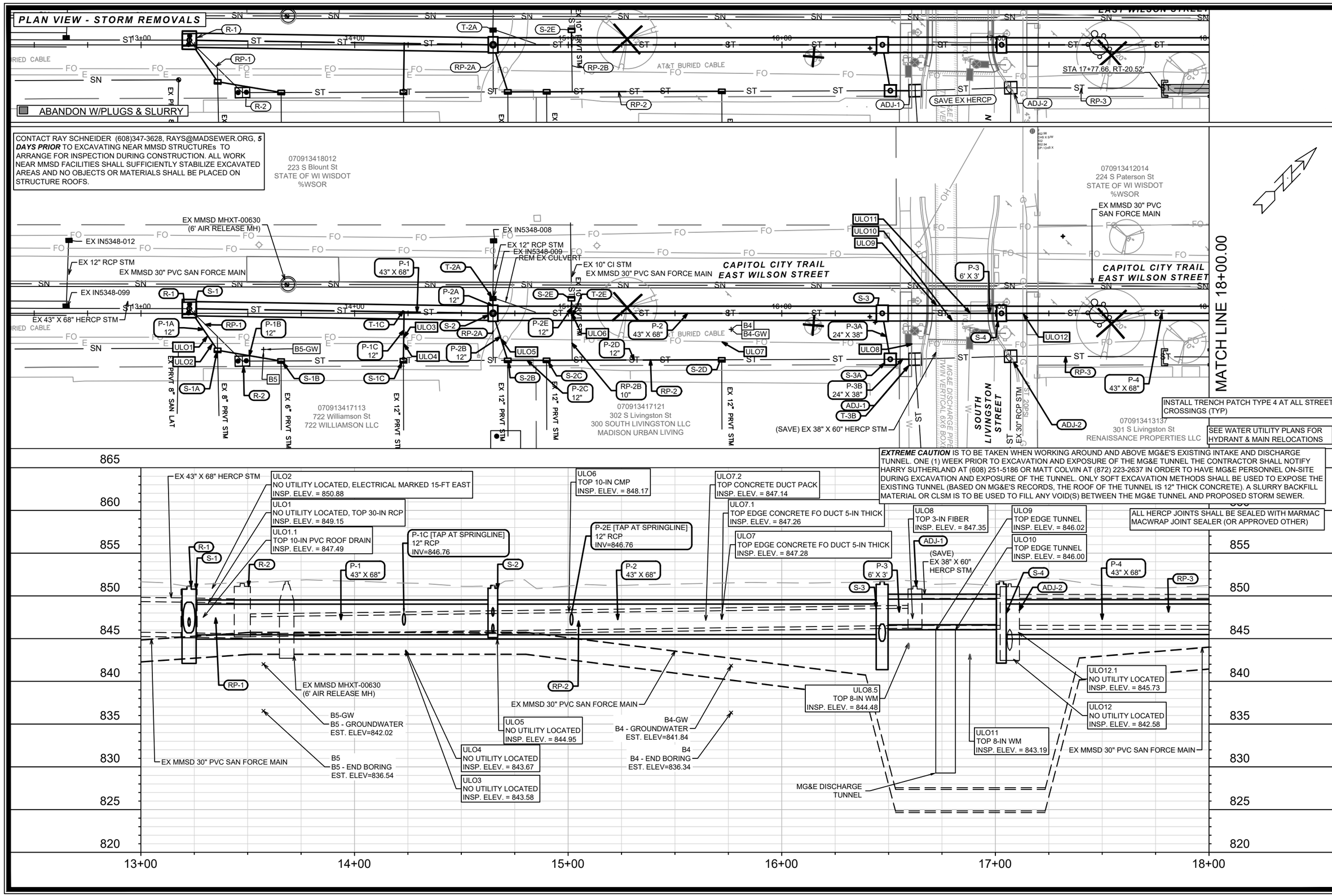

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CAPITAL CITY TRAIL - SEWER UTILITY PLAN & PROFILE

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

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MADISON, WI

CONTRACT NO: 9591

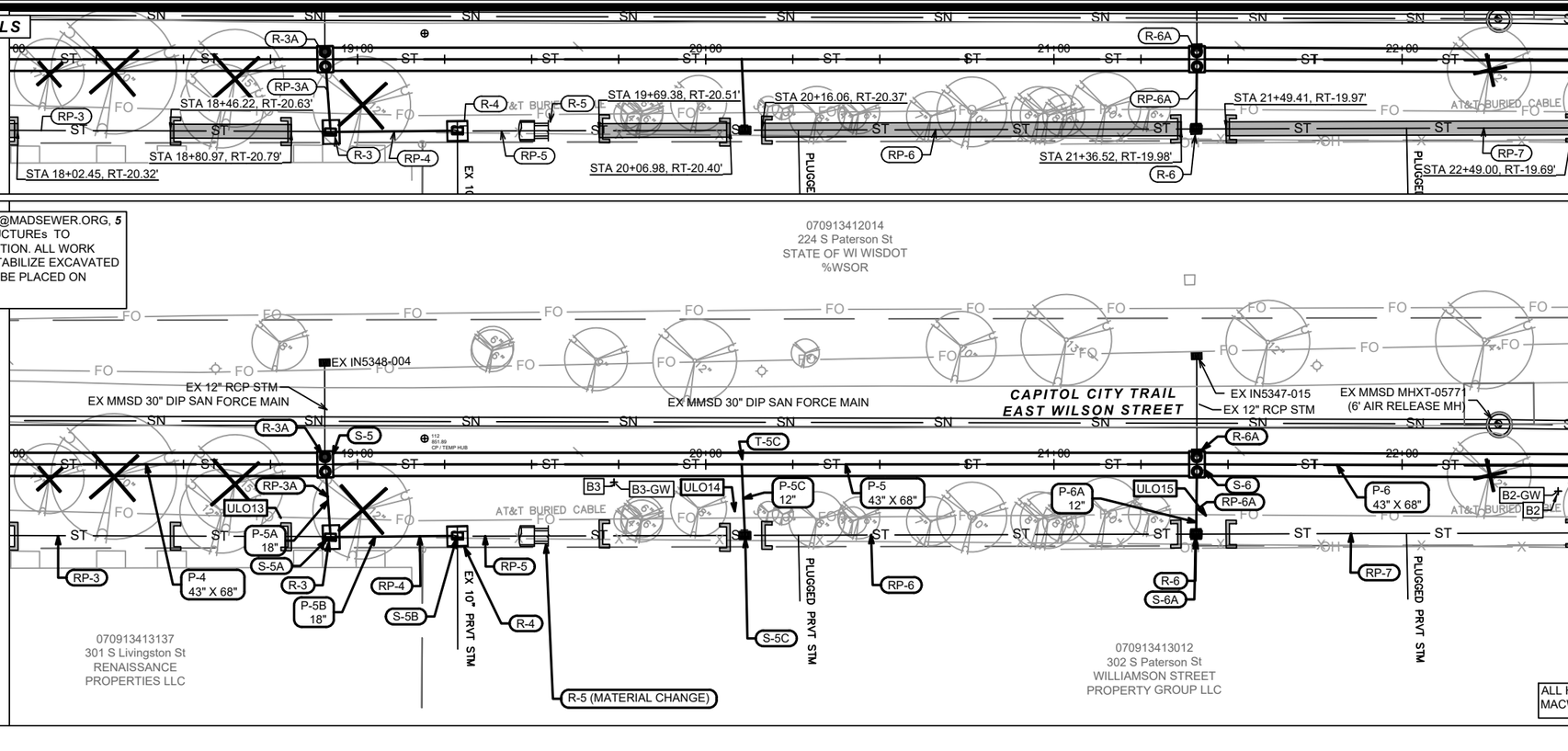
15271

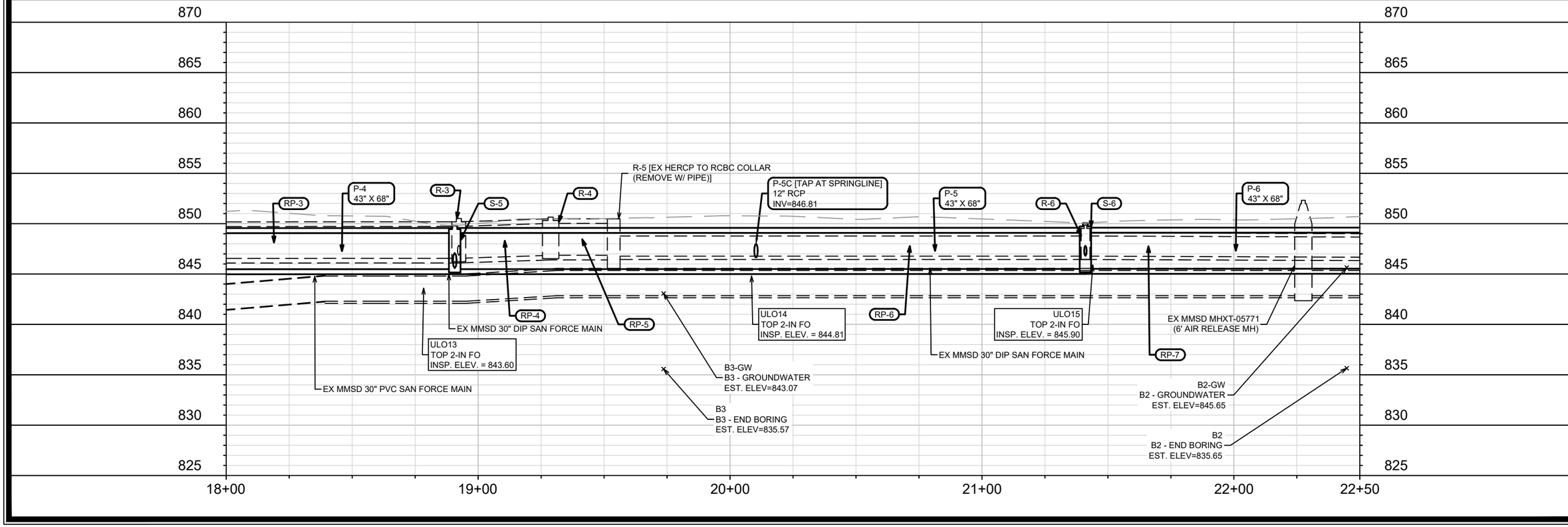
U-1

PLAN VIEW - STORM REMOVALS

ABANDON W/PLUGS & SLURRY

CONTACT RAY SCHNEIDER (608)347-3628, RAYS@MADSEWER.ORG, ***5 DAYS PRIOR*** TO EXCAVATING NEAR MMSD STRUCTURES TO ARRANGE FOR INSPECTION DURING CONSTRUCTION. ALL WORK NEAR MMSD FACILITIES SHALL SUFFICIENTLY STABILIZE EXCAVATED AREAS AND NO OBJECTS OR MATERIALS SHALL BE PLACED ON STRUCTURE ROOFS.





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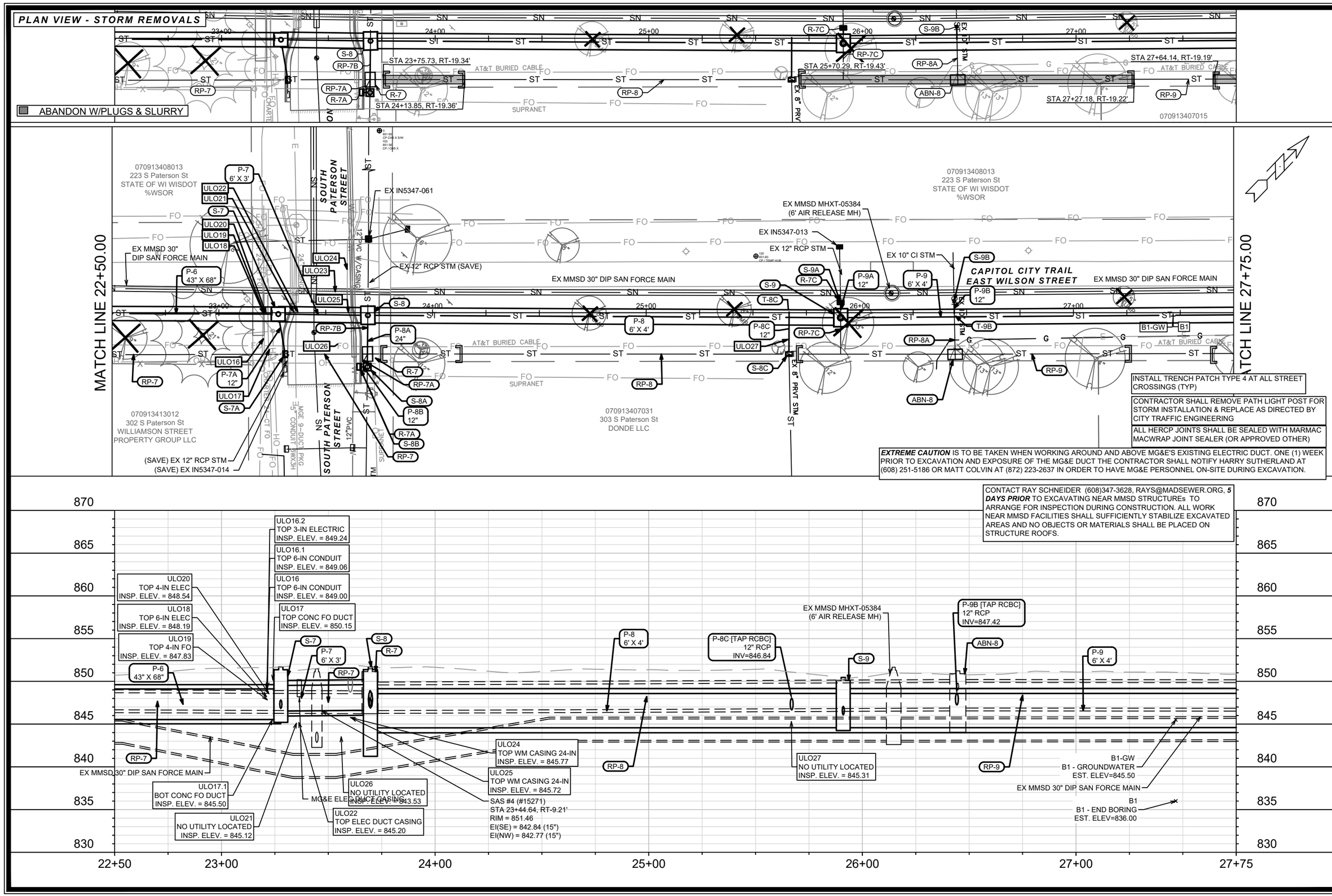

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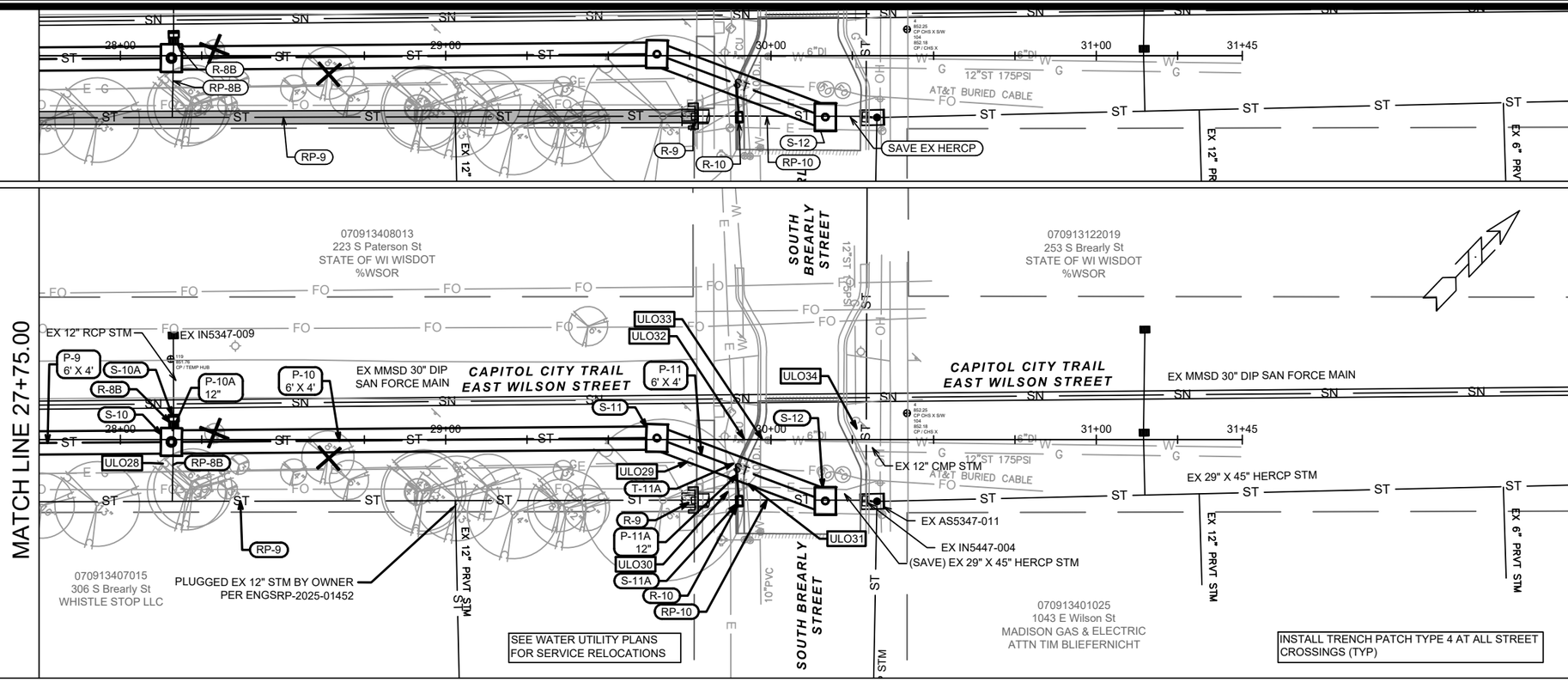
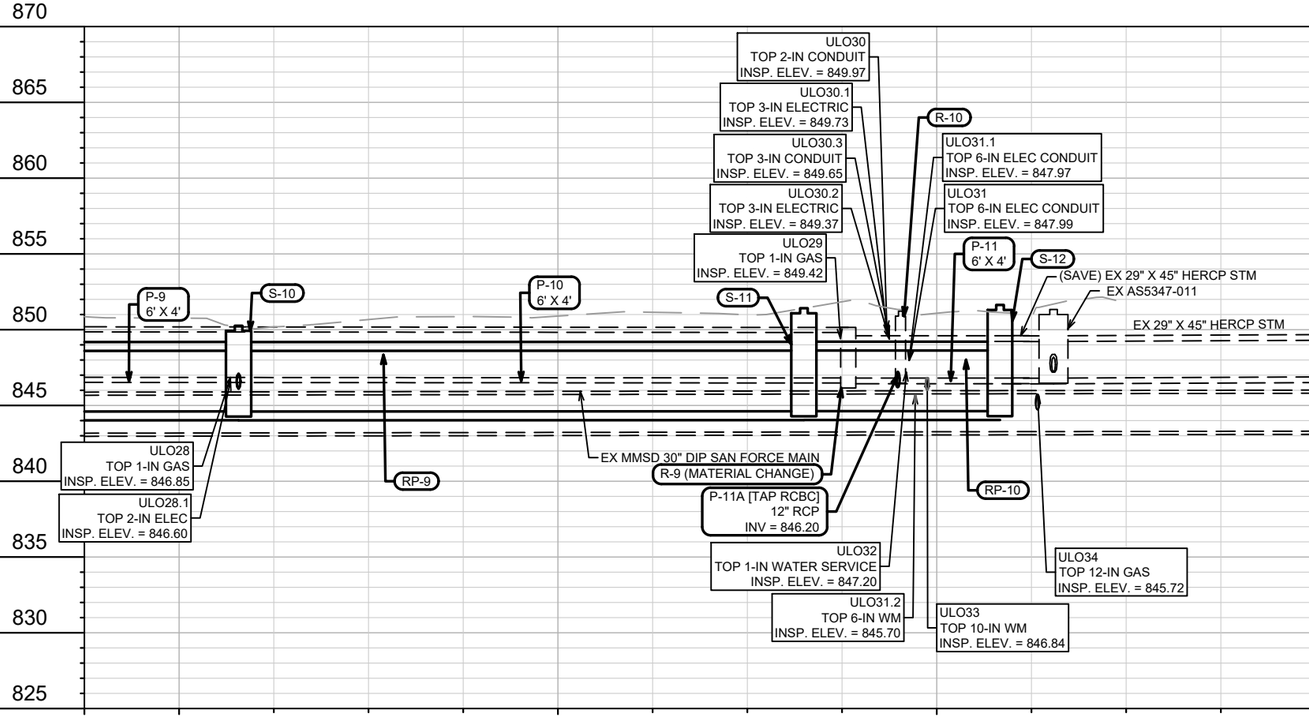
U-3

PLAN VIEW - STORM REMOVALS

ABANDON W/PLUGS & SLURRY





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15271 | U-4

15271

MADISON, WI

9591

CONTRACT NO:

CAPITAL CITY TRAIL - SEWER UTILITY PLAN & PROFILE

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

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15271

U-4

STORM SEWER SCHEDULE

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
CAPITAL CITY TRAIL - SOUTH OF S LIVINGSTON ST							
S-1	13+22.57	LT-2.20	6'X8' CATCHBASIN	851.12	845.44	5.68	FP; W/TWO R-1550; [1][2]
S-1A	13+35.86	RT-17.29	H INLET	851.38	846.56	4.82	W/R-1878-B7G; [3]
S-1B	13+65.58	RT-22.31	H INLET	851.66	846.81	4.85	W/R-1878-B7G; [3]
T-1C	14+23.16	LT-1.65	12" TAP & EMB	-	846.75	-	[4]
S-1C	14+22.85	RT-22.17	H INLET	851.99	846.85	5.14	W/R-1878-B7G; [3]
S-2	14+64.77	CL	4'X7' STM SAS	851.22	845.45	5.77	FP; W/R-1550-2560-E; [5]
T-2A	14+64.71	LT-7.02	12" TAP	-	847.73	-	[4]
S-2B	14+71.68	RT-22.00	H INLET	851.92	845.93	5.99	W/R-1878-B7G; [3]
S-2C	14+89.85	RT-21.98	H INLET	852.12	846.28	5.84	W/R-1878-B7G; [3]
S-2D	15+71.85	RT-21.74	H INLET	852.05	847.94	4.11	W/R-1878-B7G; [3]
T-2E	15+01.60	RT-1.79	12" TAP & EMB	-	846.75	-	[4]
S-2E	15+01.49	LT-6.85	H INLET	851.42	846.80	4.62	W/R-1878-B7G
S-3	16+46.99	CL	5'X7' CATCHBASIN	851.69	845.45	6.24	FP; W/ TWO R-1550; [2]
S-3A	16+50.73	RT-21.48	5'X'5' STM SAS	851.29	844.81	6.48	W/R-1550
T-3B	16+62.37	RT-21.45	24"X38" TAP	-	846.54	-	[7]
CAPITAL CITY TRAIL - SOUTH OF S PATERSON ST							
S-4	17+02.80	CL	4'X7' CATCHBASIN	851.72	846.62	5.10	FP; W/ TWO R-1550; [2]
S-5	18+90.72	CL	4'X7' STM SAS	849.80	845.49	4.31	FP; W/TWO R-1689-2560-E; [5]
S-5A	18+92.22	RT-20.90	H INLET	850.16	846.58	3.58	W/R-1878-B7G
S-5B	19+28.70	RT-20.53	H INLET	850.39	845.86	4.53	W/R-1878-B7G; [3]
T-5C	20+10.28	LT-0.81	12" TAP & EMB	-	845.50	-	[4]
S-5C	20+11.24	RT-20.38	H INLET	850.53	847.39	3.14	W/R-1878-B7G; [3]
S-6	21+41.07	CL	4'X7' STM SAS	850.06	846.58	3.48	FP; W/TWO R-1689-2560-E; [5]
S-6A	21+40.83	RT-19.98	H INLET	849.86	846.62	3.24	W/R-1878-B7G; [3]
S-7	23+27.76	RT-0.68	6'X6' STM SAS	851.70	845.54	6.16	FP; W/R-1550
S-7A	23+31.04	RT-19.45	H INLET	851.57	847.50	4.07	W/R-3067-7004; [6]
CAPITAL CITY TRAIL - SOUTH OF S BREARLY ST							
S-8	23+69.72	RT-1.24	6'X8' CATCHBASIN	851.70	846.62	5.08	FP; W/ TWO R-1550; [2][6]
S-8A	23+69.47	RT-25.41	3'X3' STM SAS	851.31	846.99	4.32	W/R-1550; [6]
S-8B	23+65.66	RT-25.34	H INLET	851.48	848.01	3.47	W/R-3067-7004
T-8C	25+66.91	LT-1.04	12" TAP & EMB	-	846.83	-	[4]
S-8C	25+66.84	RT-19.40	H INLET	852.47	846.98	5.49	W/R-1878-B7G; [3]
S-9	25+91.05	RT-2.35	6'X8' STM SAS	850.46	844.58	5.88	FP; W/R-1550-2560-E; [5]
S-9A	25+91.05	LT-4.83	H INLET	849.43	846.12	3.31	W/R-1878-B7G; [6]
T-9B	26+44.26	RT-1.26	12" TAP & EMB	-	847.42	-	[4]
S-9B	26+44.12	LT-5.45	12" COLLAR	-	847.42	-	-
S-10	28+15.68	RT-0.74	6'X8' STM SAS	850.26	844.60	5.66	FP; W/R-1550-2560-E; [5]
S-10A	28+16.40	LT-6.54	H INLET	850.50	846.17	4.33	W/R-1878-B7G; [6]
S-11	29+64.91	LT-0.47	6'X8' STM SAS	851.41	844.62	6.79	FP; W/R-1550
T-11A	29+89.08	RT-7.14	12" TAP & EMB	-	844.62	-	[4]
S-11A	29+90.26	RT-18.97	H INLET	851.16	846.20	4.96	W/R-3067-7004
S-12	30+16.67	RT-18.87	6'X8' STM SAS	851.63	844.62	7.01	FP; W/R-1550

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
CAPITAL CITY TRAIL - SOUTH OF S LIVINGSTON ST										
P-1	S-1	S-2	845.44	845.45	142	137	0.01%	43"X68"	HERCP	NCM; [9]
P-1A	S-1	S-1A	846.44	846.56	24	17	0.69%	12"	TYPE 2	NCM
P-1B	S-1A	S-1B	846.66	846.81	30	27	0.55%	12"	TYPE 2	-
P-1C	T-1C	S-1C	846.75	846.85	24	24	0.42%	12"	TYPE 2	[4]
P-2	S-2	S-3	845.45	845.47	182	178	0.01%	43"X68"	HERCP	[9]
P-2A	S-2	T-2A	847.63	847.73	7	4	2.83%	12"	TYPE 2	-
P-2B	S-2	S-2B	845.70	845.93	23	18	1.25%	12"	TYPE 2	-
P-2C	S-2B	S-2C	846.28	846.28	18	15	0.00%	12"	TYPE 2	-
P-2D	S-2C	S-2D	846.38	847.94	82	79	1.97%	12"	TYPE 2	-
P-2E	T-2E	S-2E	846.75	846.80	9	8	0.65%	12"	TYPE 2	[4]
P-3	S-3	S-4	846.62	846.62	56	51	0.00%	3'X6'	RCBC	[8]
P-3A	S-3	S-3A	844.70	844.81	22	16	0.70%	24"X38"	HERCP	[9]
P-3B	S-3A	T-3B	846.42	846.54	12	6	1.94%	24"X38"	HERCP	NCM; [9]
CAPITAL CITY TRAIL - SOUTH OF S PATERSON ST										
P-4	S-4	S-5	845.47	845.49	188	184	0.01%	43"X68"	HERCP	[9]
P-5	S-5	S-6	845.49	845.52	250	246	0.01%	43"X68"	HERCP	[9]
P-5A	S-5	S-5A	845.59	846.58	21	17	5.98%	18"	TYPE 2	-
P-5B	S-5A	S-5B	845.50	845.86	36	34	1.07%	18"	TYPE 2	-
P-5C	T-5C	S-5C	846.79	847.39	21	20	2.96%	12"	TYPE 2	[4]
P-6	S-6	S-7	845.52	845.54	187	182	0.01%	43"X68"	HERCP	[9]
P-6A	S-6	S-6A	846.81	847.01	20	15	1.29%	12"	TYPE 2	-
P-7	S-7	S-8	846.52	846.62	42	36	0.28%	3'X6'	RCBC	NCM; [8]
P-7A	S-7	S-7A	846.83	847.50	19	15	4.60%	12"	RCP	NCM
CAPITAL CITY TRAIL - SOUTH OF S BREARLY ST										
P-8	S-8	S-9	844.56	844.58	221	216	0.01%	4'X6'	RCBC	NCM; [8]
P-8A	S-8	S-8A	846.87	846.99	24	19	0.64%	24"	RCP	NCM
P-8B	S-8A	S-8B	847.99	848.01	4	1	1.52%	12"	TYPE 2	NCM
P-8C	T-8C	S-8C	846.83	846.98	20	19	0.77%	12"	TYPE 2	[4]
P-9	S-9	S-10	844.58	844.60	225	221	0.01%	4'X6'	RCBC	[8]
P-9A	S-9	S-9A	846.08	846.12	7	3	1.49%	12"	TYPE 2	NCM
P-9B	T-9B	S-9B	847.42	847.42	7	6	0.00%	12"	TYPE 2	[4]
P-10	S-10	S-11	844.60	844.62	149	145	0.01%	4'X6'	RCBC	[8]
P-10A	S-10	S-10A	846.10	846.17	7	3	2.49%	12"	TYPE 2	-
P-11	S-11	S-12	844.62	844.62	55	50	0.00%	4'X6'	RCBC	[8]
P-11A	T-11A	S-11A	846.20	846.80	12	10	5.75%	12"	RCP	[4]

SPECIFIC NOTES:

[1] CONNECT TO EXISTING 43"X68" HERCP; DOWNSTREAM INVERT IS HIGHER THAN UPSTREAM (EI(S) = 845.68)
[2] INSTALL 3' SUMP BELOW PIPE INVERT GIVEN IN CHART
[3] CONNECT EXISTING PRIVATE STORM PIPE; CONTRACTOR TO VERIFY SIZE & INVERT
[4] FIELD CORE TAP & INSTALL KOR N BOOT SEAL; ALL HERCP MUST BE TAPPED MATCHING SPRINGLINES
[5] INSTALL "BEE HIVE" GRATE; TOC = TOP EDGE OF CASTING
[6] CONNECT EXISTING CITY 12" RCP STORM; INSTALL W/ FIELD-POUR, OR FIELD-TAP PRECAST W/KOR N SEAL BOOT; INCIDENTAL TO STRUCTURE
[7] INCIDENTAL TO SAS ADJUSTMENT (ADJ-1)
[8] THE QUANTITY TO BE PAID FOR DOES NOT INCLUDE THE LENGTHS OF CONSTRUCTION THROUGH SEWER STRUCTURES
[9] ALL HERCP JOINTS TO HAVE MARMAC MACWRAP EXTERNAL SEALING BANDS (OR APPRVD EQUAL)

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

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

- 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

- 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.

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

- 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 DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.

STORM SEWER SCHEDULE

STORM STRUCTURE ADJUSTMENTS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	EX TOC	PROP TOC	ADJ (FT)	NOTES
CAPITAL CITY TRAIL							
ADJ-1	AS5348-052	16+62.37	RT-21.45	851.14			[1]
ADJ-2	IN5348-053	17+06.73	RT-20.32	851.41			[2]

ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	ULO ELEV	NOTES
CAPITAL CITY TRAIL - SOUTH OF S LIVINGSTON ST					
ULO1	13+31.32	RT-10.63	ELEC & FO	849.15	NO UTILITIES LOCATED, TOP OF 30" RCP = 849.15, TOP OF 10" PRVT STM = 847.49
ULO2	13+33.60	RT-14.20	ELEC & FO	850.88	NO UTILITIES LOCATED
ULO3	14+22.84	RT-11.45	ELEC & FO	845.58	NO UTILITIES LOCATED
ULO4	14+22.95	RT-14.18	FO	843.67	NO UTILITIES LOCATED
ULO5	14+68.54	RT-12.00	FO	844.95	NO UTILITIES LOCATED
ULO6	15+01.58	CL	STORM	848.17	TOP OF 10" CMP = 848.17
ULO7	15+71.62	RT-13.22	CONC FO DUCT	847.28	TOP OF 5" THICK CONC. DUCT
ULO8	16+61.32	RT-14.28	WATER MAIN & FO	847.35	TOP OF 3" FO = 847.48, TOP OF 8" WAT MAIN = 844.48 (SEE WU SHEETS)
CAPITAL CITY TRAIL - SOUTH OF S PATERSON ST					
ULO9	16+72.50	LT-3.62	COOLING TUNNEL	846.02	TOP EDGE OF TUNNEL
ULO10	16+79.87	RT-3.57	COOLING TUNNEL	846.00	TOP EDGE OF TUNNEL
ULO11	16+88.28	CL	WATER MAIN	843.19	TOP OF 8" WAT MAIN (SEE WU SHEETS)
ULO12	17+12.81	CL	GAS	842.58	NO UTILITIES LOCATED
ULO13	18+78.38	RT-15.65	FO	843.60	TOP OF 2" FO
ULO14	20+08.55	RT-13.92	FO	844.81	TOP OF 2" FO
ULO15	21+44.01	RT-15.03	FO	845.90	TOP OF 2" FO
ULO16	23+21.18	RT-11.89	TEL/FO/ELEC	849.00	TOP OF 6" CONDUIT = 849.00, TOP OF 3" ELEC = 849.24
ULO17	23+23.84	RT-16.84	FO	850.15	*TOP OF CONC FO DUCT = 850.15, BOT = 845.50 - ADJ UTILITY CONFLICT*
ULO18	23+21.14	RT-0.61	ELEC (LIGHT)	848.19	*TOP OF 6" ELEC - ADJ UTILITY CONFLICT*
ULO19	23+21.48	RT-0.61	FO	847.83	*TOP OF 4" FO - ADJ UTILITY CONFLICT*
ULO20	23+22.23	RT-0.80	ELEC	848.54	*TOP OF 4" ELEC - ADJ UTILITY CONFLICT*
ULO21	23+35.19	LT-0.04	ELEC DUCT	845.12	NO UTILITIES LOCATED
CAPITAL CITY TRAIL - SOUTH OF S BREARLY ST					
ULO22	23+37.14	CL	ELEC DUCT	845.20	TOP OF ELEC DUCT CASING
ULO23	23+54.60	LT-9.38	MMSD SAN	843.59	NO UTILITIES LOCATED; SAN LOWER THAN ULO
ULO24	23+60.28	LT-19.94	WM & CASING	845.77	TOP OF 24" WAT MAIN CASING
ULO25	23+60.85	RT-0.25	WM & CASING	845.72	TOP OF 24" WAT MAIN CASING
ULO26	23+56.02	RT-14.56	FO	843.53	NO UTILITIES LOCATED
ULO27	25+66.76	RT-12.46	FO	845.31	NO UTILITIES LOCATED
ULO28	28+13.56	RT-7.38	FO & GAS	846.85	TOP OF 1" GAS = 846.85, TOP OF 2" ELEC = 846.60
ULO29	29+74.54	RT-6.80	GAS	849.42	TOP OF 1" GAS
ULO30	29+86.95	RT-15.78	ELEC & FO	849.97	TOP OF 2" CONDUIT = 849.97, TOP OF 3" ELEC = 849.73, 849.37, TOP OF 3" CONDUIT = 849.65 (RELOC LIGHT)
ULO31	29+92.66	RT-13.34	ELEC & WM	847.99	*TOP OF 6" ELEC = 847.99, 847.97, TOP OF 6" WAT MAIN = 849.65 (ELEC CONFLICT & SEE WU SHEETS)*
ULO32	29+91.91	CL	WAT LAT	847.20	TOP OF 1" WAT LAT (SEE WU SHEETS)
ULO33	29+97.47	RT-0.09	10" WM	846.84	TOP OF 10" WAT MAIN (SEE WU SHEETS)
ULO34	30+26.59	LT-3.00	12" GAS	845.72	TOP OF 12" GAS

SPECIFIC NOTES

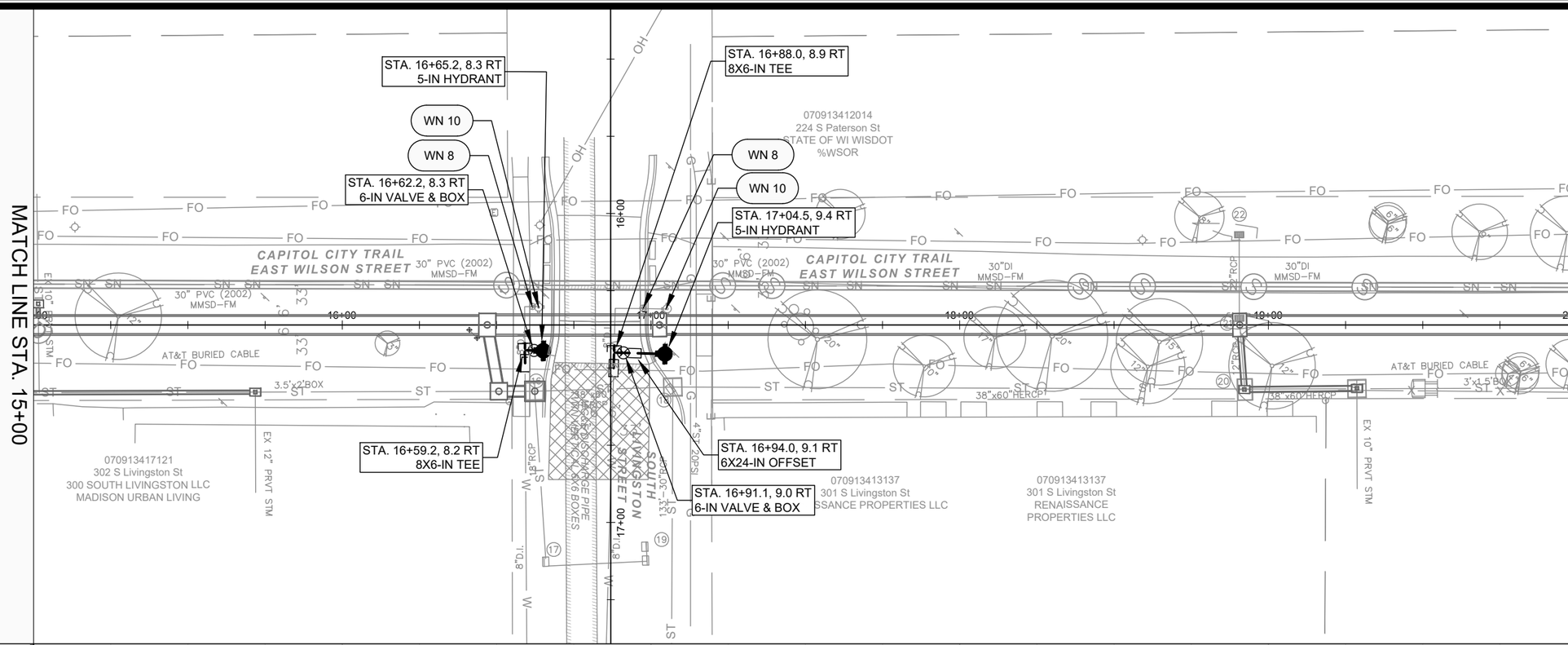
[1] REM EX RCBC (RP-2); INSTALL HERCP (P-3B); CONSTRUCT WALL PER S.D.D. 5.7.3
[2] REM EX RCBC (RP-3); CONSTRUCT WALL PER S.D.D. 5.7.3
[3] REMOVAL IS INCIDENTAL TO PIPE REMOVAL/ABANDONMENT
[4] ABANDON EX STM SAS WITH RCBC; PAID WITH ABANDON PIPE

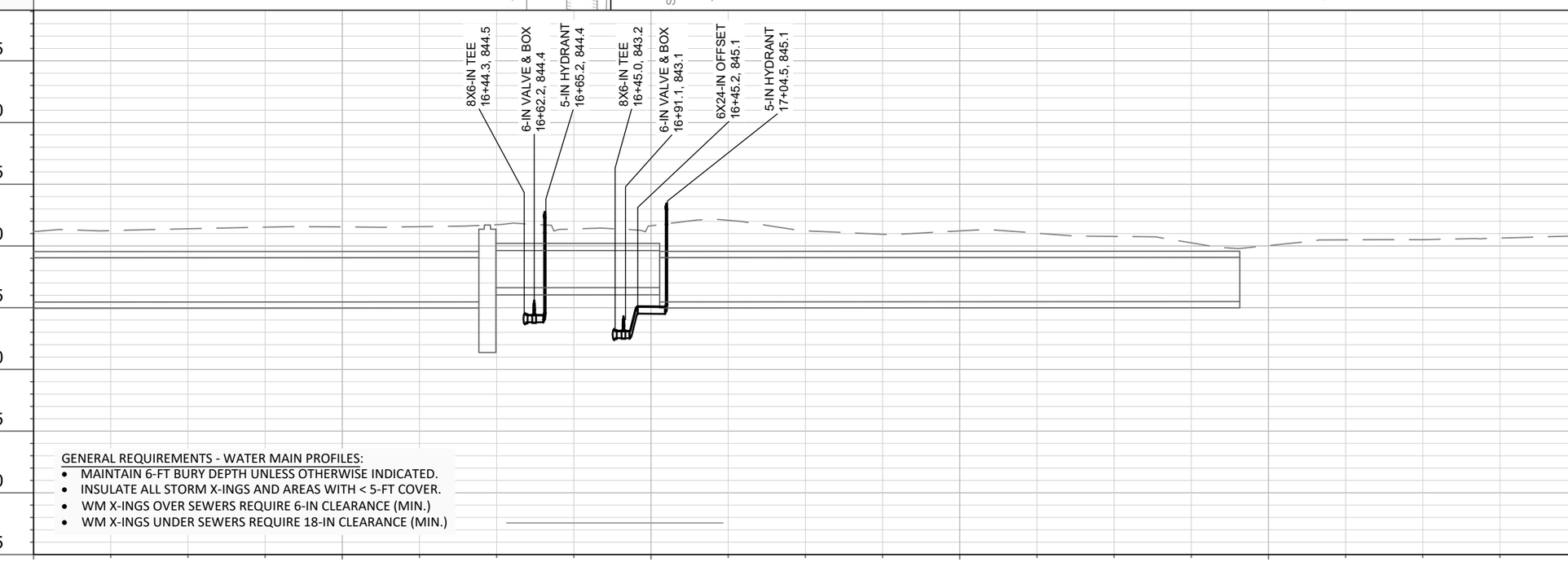
STORM STRUCTURE REMOVALS & ABANDONMENTS

STRUC. NO.	ID NO.	STATION	LOC (OFFSET)	TYPE	DEPTH (FT)	NOTES
CAPITAL CITY TRAIL (SEE TOP PLAN VIEW IN U-SHEETS)						
R-1	AS5348-098	13+22.57	LT-2.20	6'X7' STM SAS	5.67	
R-2	AS5348-101	13+47.46	RT-22.36	5'X7' STM SAS	5.90	
R-3	AS5348-051	18+92.34	RT-20.73	3'X5' STM SAS	4.26	
R-3A	IN5348-005	18+90.60	LT-2.19	INLET	2.46	
R-4	UNK AS	19+28.79	RT-20.62	6'X6' STM SAS	3.79	
R-5	EX COLLAR	19+53.83	RT-20.55	MATERIAL CHANGE	-	[3]
R-6	IN5347-014	21+41.12	RT-20.00	3'X3' STM SAS	3.08	
R-6A	IN5347-016	21+41.05	LT-3.35	INLET	1.33	
R-7	AS5347-011	23+69.54	RT-19.34	5'X7' STM SAS	4.93	
R-7A	IN5347-052	23+65.66	RT-25.25	INLET	2.95	
R-7C	IN5347-013	25+91.05	LT-4.83	INLET	1.33	
ABN-8	AS5347-008	26+44.66	RT-19.43	5'X7' STM SAS	6.85	[4]
R-8B	IN5347-010	28+16.37	LT-4.41	INLET	2.20	
R-9	MI5447-002	29+76.62	RT-18.54	MATERIAL CHANGE	-	[3]
R-10	IN5347-005	29+90.42	RT-19.02	SADDLED INLET	-	[3]

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
CAPITAL CITY TRAILB (SEE TOP PLAN VIEW IN U-SHEETS)										
RP-1	R-1	R-2	35	N	-	-	-	43"X68"	HERCP	-
RP-2	R-2	ADJ-1	315	Y	304	-	-	2'X4'	RCBC	-
RP-2A	STA 14+64.85, RT-22.13	T-2A	28	N	-	-	-	12"	RCP	-
RP-2B	STA 15+01.43, RT-22.76	S-2D	29	N	-			10"	CI	-
RP-3	ADJ-2	R-3	186	Y	126	60	110.50	38"X60"	HERCP	-
		ABANDON SECTION:		*STA 17+77.66, RT-20.52*		*to*	*STA 18+02.45, RT-20.32*			
		ABANDON SECTION:		*STA 18+46.22, RT-20.63*		*to*	*STA 18+80.97, RT-20.79*			
RP-3A	R-3	R-3A	24	N	-	-	-	12"	RCP	-
RP-4	R-3	R-4	36	N	-	-	-	38"X60"	HERCP	-
RP-5	R-4	R-5	24	Y	24			38"X60"	HERCP	-
RP-6	R-5	R-6	188	Y	31	157	46.50	2'X4'	RCBC	-
		ABANDON SECTION:		*STA 19+69.38, RT-20.51*		*to*	*STA 20+06.98, RT-20.40*			
		ABANDON SECTION:		*STA 20+16.06, RT-20.37*		*to*	*STA 21+36.52, RT-19.98*			
RP-6A	R-6	R-6A	25	N	-	-	-	12"	RCP	-
RP-7	R-6	R-7	228	Y	130	98	29.00	2'X4'	RCBC	-
		ABANDON SECTION:		*STA 21+49.41, RT-19.97*		*to*	*STA 22+49.00, RT-19.69*			
RP-7A	R-7	R-7A	3	N	-	-	-	12"	RCP	-
RP-7B	R-7	S-8	20	N	-	-	-	12"	RCP	-
RP-7C	STA 25+91.01, RT-19.44	R-7C	25	Y	25	-	-	12"	RCP	-
RP-8	R-7	AS-8	272	Y	154	118	52.50	3'X4'	RCBC	-
		ABANDON SECTION:		*STA 23+75.73, RT-19.34*		*to*	*STA 24+13.85, RT-19.36*			
		ABANDON SECTION:		*STA 24+70.29, RT-19.43*		*to*	*ABN-8*			
RP-8A	ABN-8	S-9B	26	Y	26	-	-	10"	CI	-
RP-8B	STA 28+15.94, RT-18.99	R-8B	26	Y	26	-	-	12"	RCP	-
RP-9	ABN-8	R-9	332	Y	36	296	131.50	3'X4'	RCBC	-
		ABANDON SECTION:		*ABN-8*		*to*	*STA 27+27.18, RT-19.22*			
		ABANDON SECTION:		*STA 27+64.14, RT-19.19*		*to*	*R-9*			
RP-10	R-9	S-12	40	N	-	-	-	29"X45"	HERCP	-





GENERAL REQUIREMENTS - WATER MAIN PROFILES:

- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
- INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
- WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
- WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

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15271

MADISON, WI

9591

CONTRACT NO:

CAPITAL CITY TRAIL - WATER PLAN & PROFILE

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

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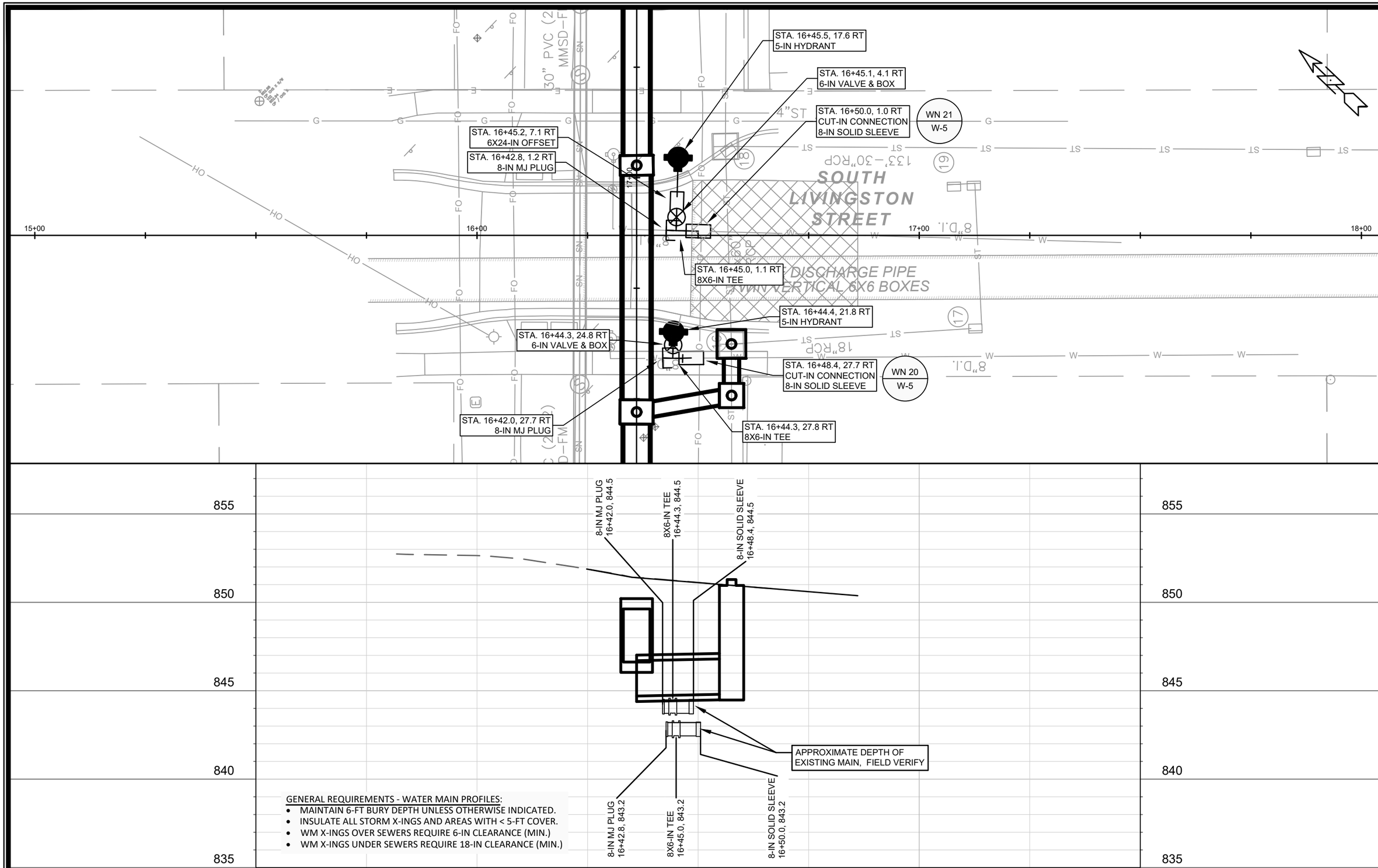
15271

W-1



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- WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
- WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

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15271 | W-2

15271

MADISON, WI

CONTRACT NO: 9591

SOUTH LIVINGSTON ST (SOUTH) - WATER PLAN & PROFILE

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

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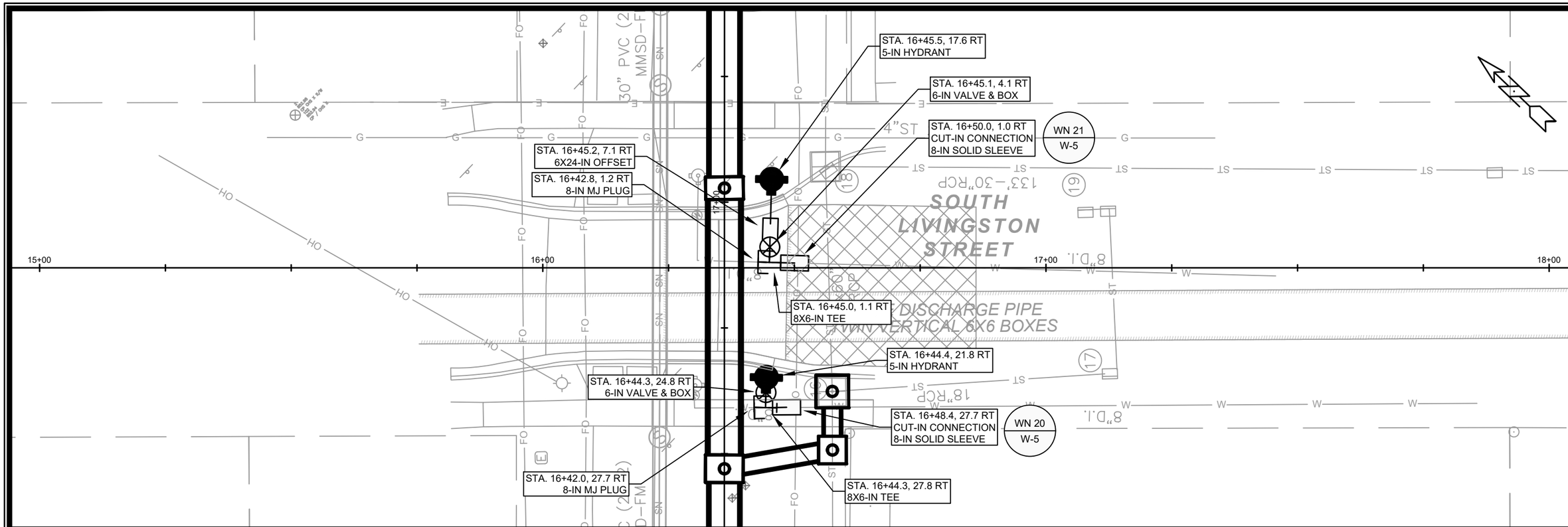
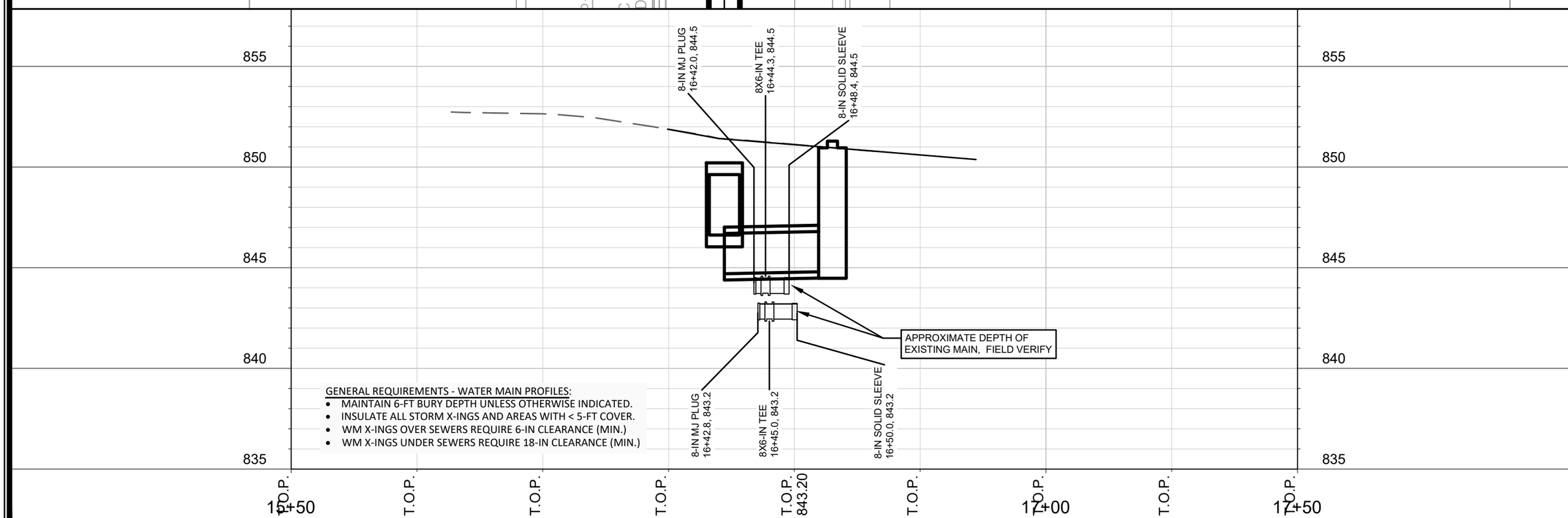
15271

W-2





GENERAL REQUIREMENTS - WATER MAIN PROFILES:

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15271 | W-3

15271

MADISON, WI

CONTRACT NO: 9591

SOUTH LIVINGSTON ST (NORTH) - WATER PLAN & PROFILE

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

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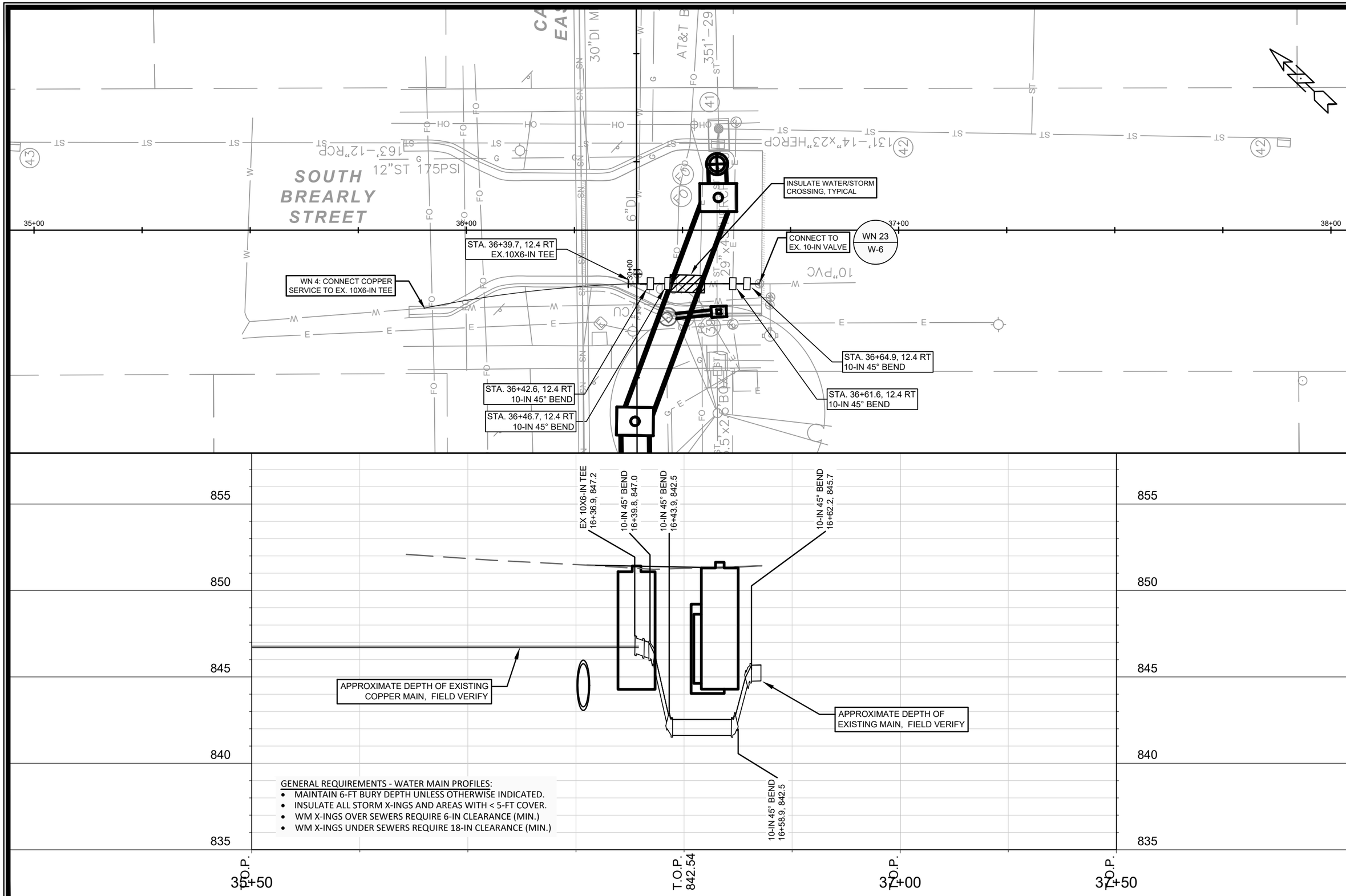
W-3



GENERAL REQUIREMENTS - WATER MAIN PROFILES:

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- INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
- WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
- WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

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MADISON, WI

CONTRACT NO: 9591

SOUTH BREARLY ST - WATER PLAN & PROFILE

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

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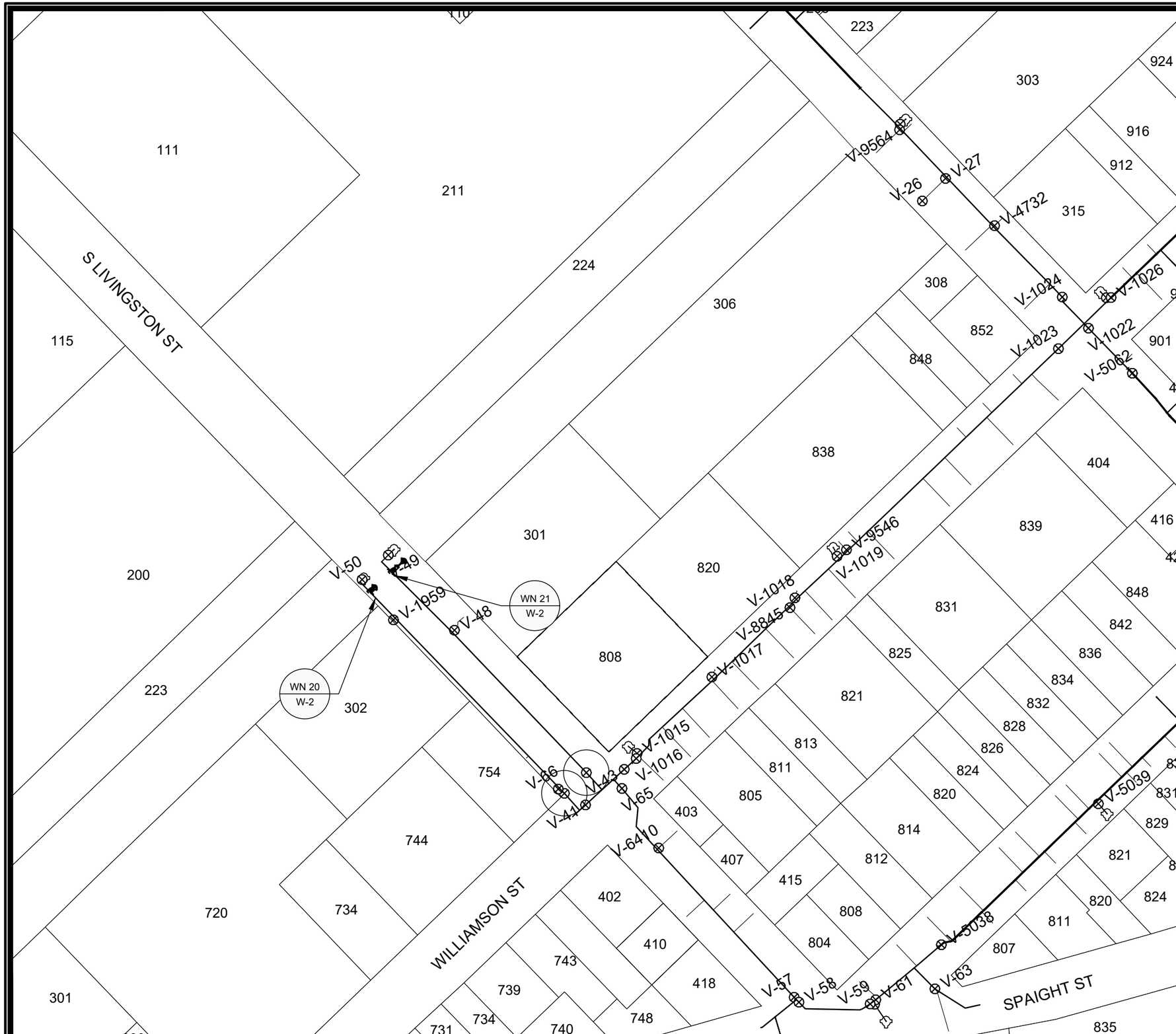
W-4



1" = 100'

Madison Water Utility

WN20: CUT-IN CONNECTION
S LIVINGSTON STREET & CAPITAL CITY TRAIL

ISOLATION VALVES:
- V-47 (8-IN)

NOTIFY: 302 S LIVINGSTON STREET

WN21: CUT-IN CONNECTION
S LIVINGSTON STREET & CAPITAL CITY TRAIL

ISOLATION VALVES:
- V-46 (8-IN)

NOTIFY: 301 S LIVINGSTON STREET

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.

SCALE: ########
DESIGNED BY: NGM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE:5/8/25

CONTRACT NO: 9591

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

WATER IMPACT PLAN

CITY OF MADISON, WISCONSIN

15271

W-5

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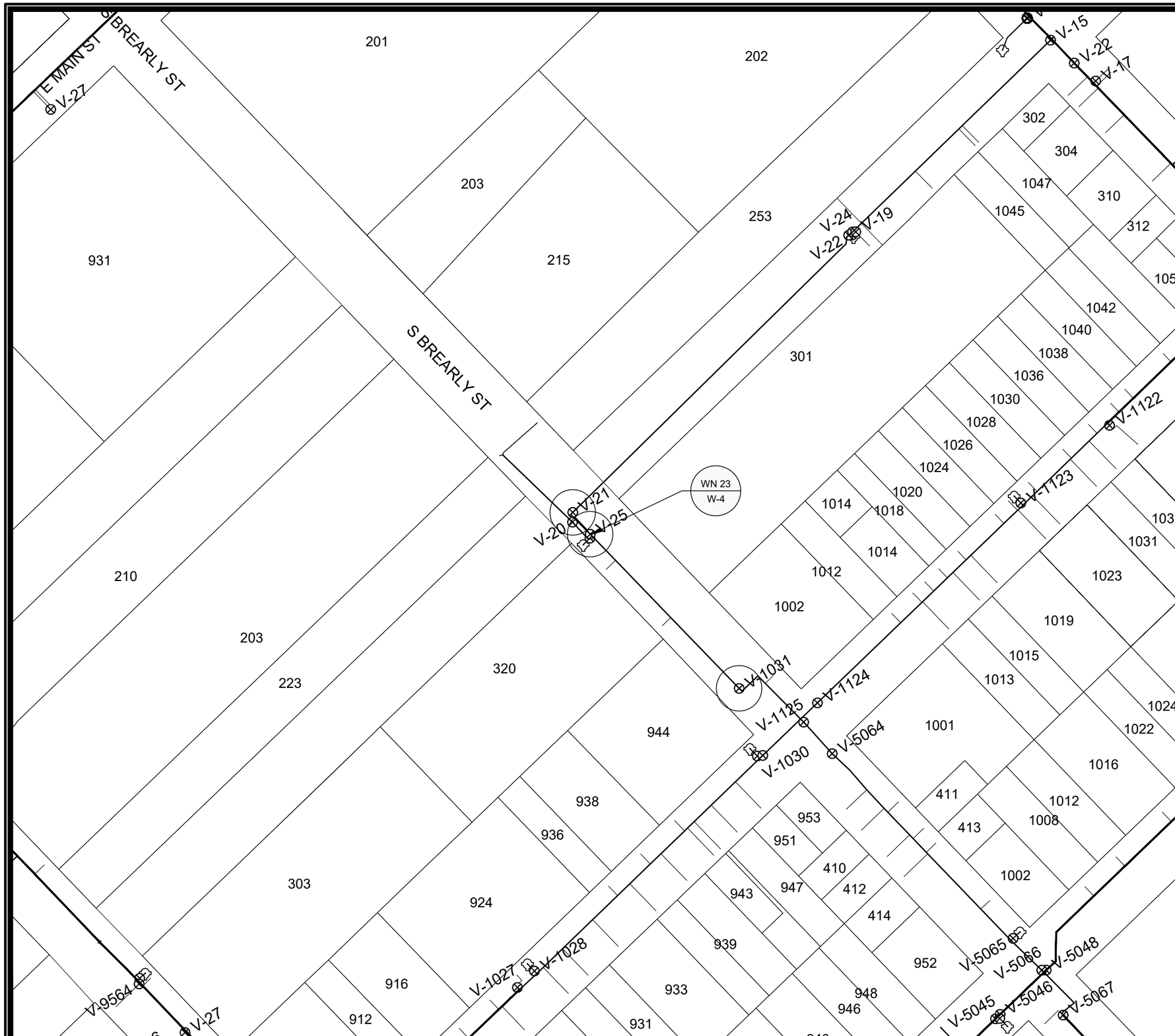

1" = 100'

Madison Water Utility

WN23: CUT-IN CONNECTION
S BREARLY STREET & CAPITAL CITY TRAIL

ISOLATION VALVES:
- V-1031 (10-IN)
- V-21 (6-IN)
- V-25 (10-IN)

NOTIFY: 320 S BREARLY STREET,
203 S PATERSON 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.

SCALE: ########
DESIGNED BY: NGM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE:5/8/25

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

WATER IMPACT PLAN

CITY OF MADISON, WISCONSIN

CONTRACT NO: 9591

15271

W-6

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CONSTRUCTION NOTES:

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.

*ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

PAY_ITEM_ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	19	LNFT
70003	FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	12	LNFT
70004	FURNISH AND INSTALL 10-INCH PIPE & FITTINGS	30	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	2	EACH
70040	FURNISH AND INSTALL AND SALVAGE HYDRANT	2	EACH
70101	FURNISH AND INSTALL STYROFOAM	1	EACH
71014	8-IN MJ PLUG	2	EACH
71026	8-IN SOLID SLEEVE	2	EACH
71124	10-IN 45° BEND	4	EACH
71210	8X6-IN TEE	2	EACH
71339	6X24-IN OFFSET	1	EACH

*ESTIMATE OF MATERIALS SUPPLIED BY WATER UTILITY:

N/A

*ESTIMATE OF MATERIALS SALVAGED:

N/A

* 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.

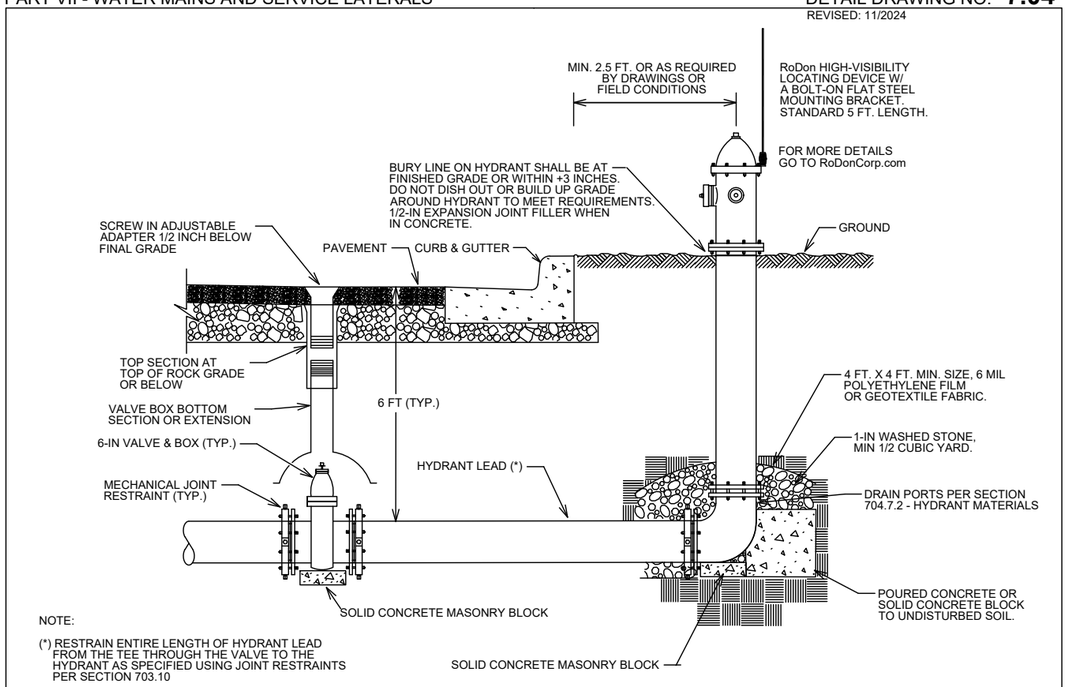
MEMBER ONE CALL SYSTEMS INTERNATIONAL

DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. **7.04**

REVISED: 11/2024



NOTE:

(*) RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING JOINT RESTRAINTS PER SECTION 703.10

CITY OF MADISON WATER UTILITY	NOT TO SCALE	TYPICAL HYDRANT INSTALLATION

City of Madison Standard Specifications for Public Works Construction

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15271 | W-7

15271

MADISON, WI

9591

CONTRACT NO:

WATER ESTIMATE OF MATERIALS

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

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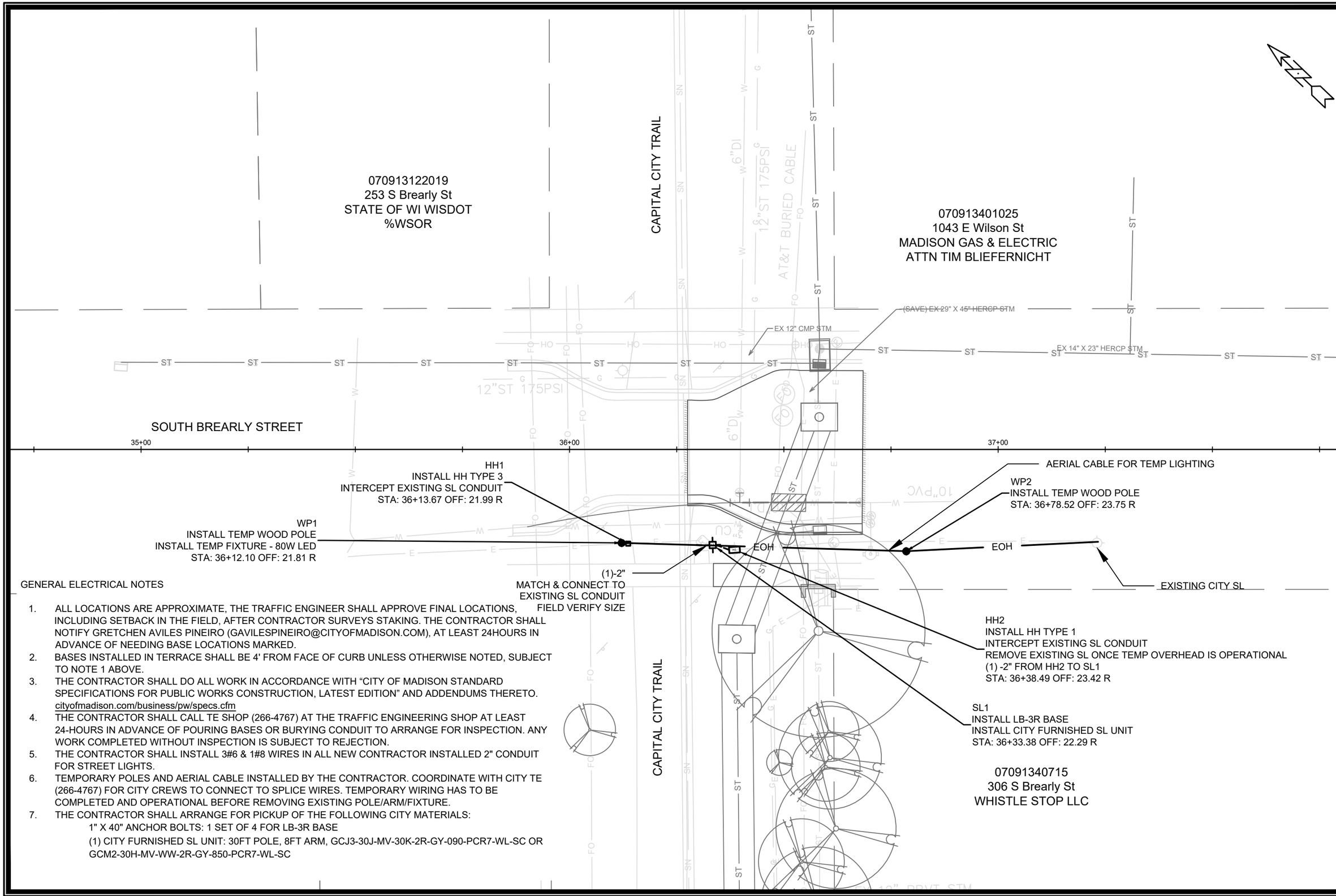
15271

W-7



GENERAL ELECTRICAL NOTES

1. ALL LOCATIONS ARE APPROXIMATE, THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK IN THE FIELD, AFTER CONTRACTOR SURVEYS STAKING. THE CONTRACTOR SHALL NOTIFY GRETCHEN AVILES PINEIRO (GAVILESPINEIRO@CITYOFMADISON.COM), AT LEAST 24HOURS IN ADVANCE OF NEEDING BASE LOCATIONS MARKED.
2. BASES INSTALLED IN TERRACE SHALL BE 4' FROM FACE OF CURB UNLESS OTHERWISE NOTED, SUBJECT TO NOTE 1 ABOVE.
3. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION" AND ADDENDUMS THERETO. cityofmadison.com/business/pw/specs.cfm
4. THE CONTRACTOR SHALL CALL TE SHOP (266-4767) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
5. THE CONTRACTOR SHALL INSTALL 3#6 & 1#8 WIRES IN ALL NEW CONTRACTOR INSTALLED 2" CONDUIT FOR STREET LIGHTS.
6. TEMPORARY POLES AND AERIAL CABLE INSTALLED BY THE CONTRACTOR. COORDINATE WITH CITY TE (266-4767) FOR CITY CREWS TO CONNECT TO SPLICE WIRES. TEMPORARY WIRING HAS TO BE COMPLETED AND OPERATIONAL BEFORE REMOVING EXISTING POLE/ARM/FIXTURE.
7. THE CONTRACTOR SHALL ARRANGE FOR PICKUP OF THE FOLLOWING CITY MATERIALS:
   1" X 40" ANCHOR BOLTS: 1 SET OF 4 FOR LB-3R BASE
   (1) CITY FURNISHED SL UNIT: 30FT POLE, 8FT ARM, GCJ3-30J-MV-30K-2R-GY-090-PCR7-WL-SC OR GCM2-30H-MV-WW-2R-GY-850-PCR7-WL-SC

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15271

MADISON, WI

CONTRACT NO: 9591

ELECTRICAL PLAN

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

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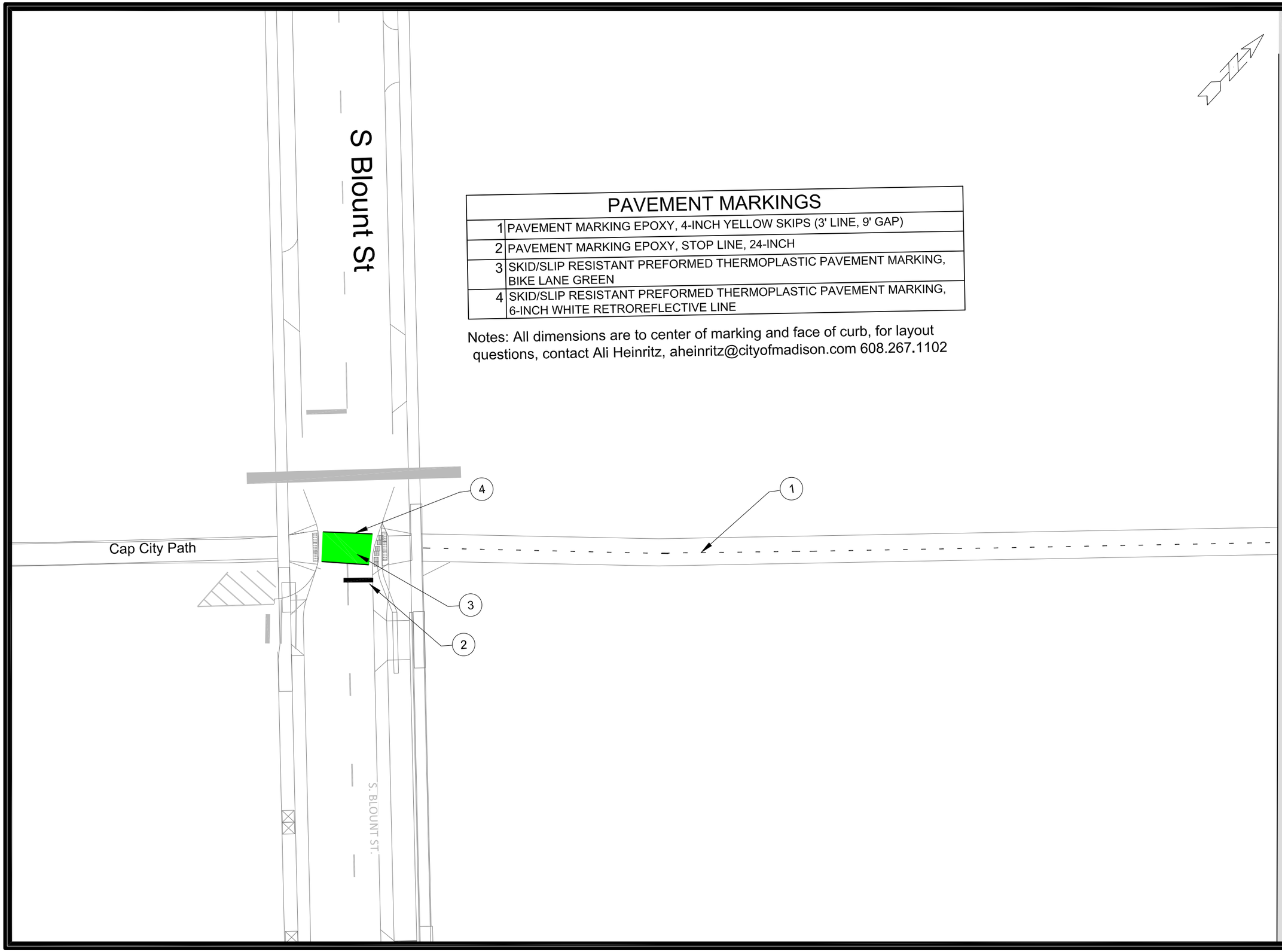
15271

E-1



PAVEMENT MARKINGS	
1	PAVEMENT MARKING EPOXY, 4-INCH YELLOW SKIPS (3' LINE, 9' GAP)
2	PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH
3	SKID/SLIP RESISTANT PREFORMED THERMOPLASTIC PAVEMENT MARKING, BIKE LANE GREEN
4	SKID/SLIP RESISTANT PREFORMED THERMOPLASTIC PAVEMENT MARKING, 6-INCH WHITE RETROREFLECTIVE LINE

Notes: All dimensions are to center of marking and face of curb, for layout questions, contact Ali Heinritz, aheinritz@cityofmadison.com 608.267.1102

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15271
PM-1

15271

MADISON, WI

CONTRACT NO: 9591

15271TE-PAVEMENT MARKING PLANS

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

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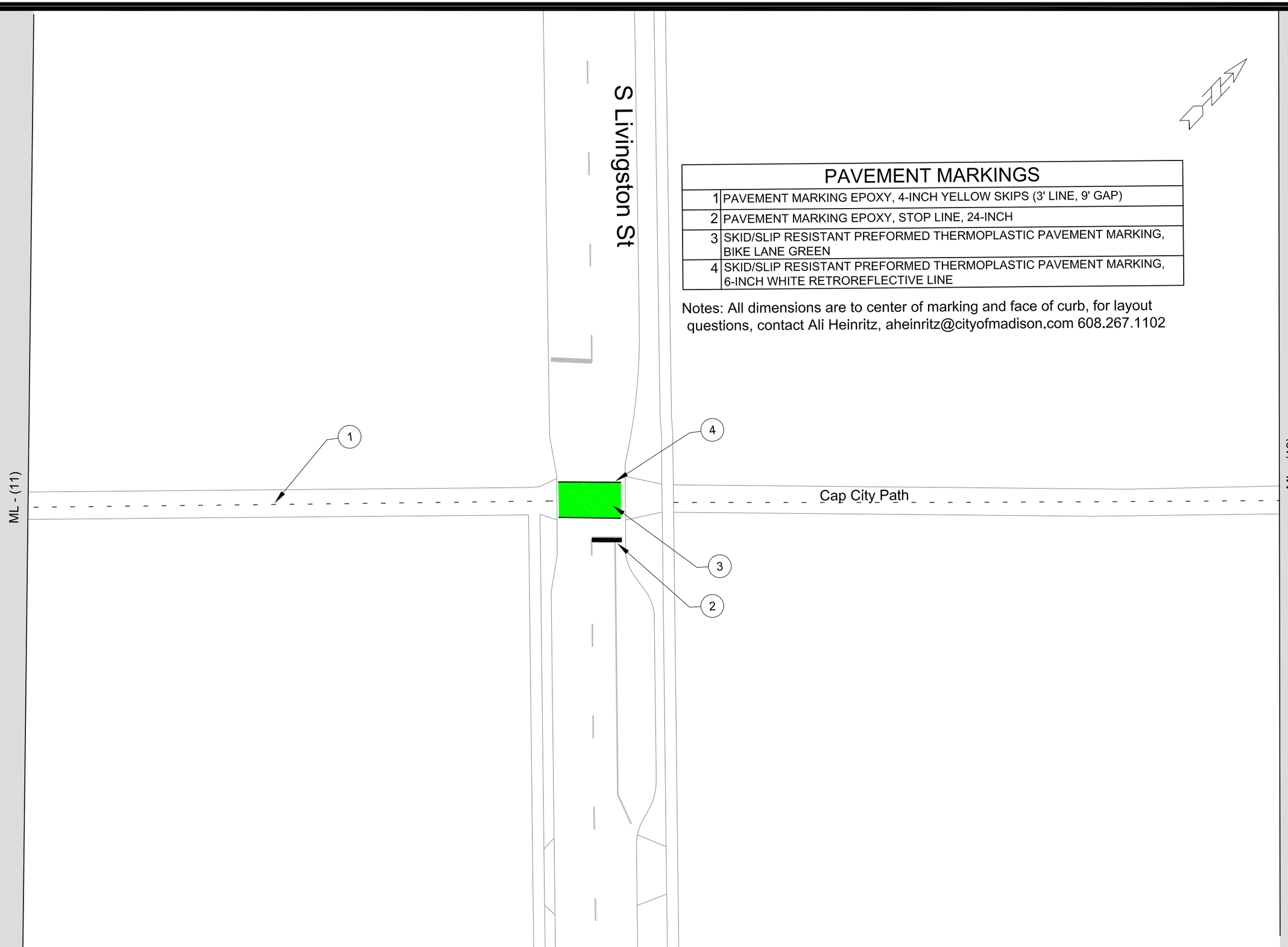
PM-1



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2	PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH
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Notes: All dimensions are to center of marking and face of curb, for layout questions, contact Ali Heinritz, aheinritz@cityofmadison.com 608.267.1102

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15271TE-PAVEMENT MARKING PLANS

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

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MADISON, WI

CONTRACT NO: 9591

15271

PM-2

PAVEMENT MARKINGS	
1	PAVEMENT MARKING EPOXY, 4-INCH YELLOW SKIPS (3' LINE, 9' GAP)
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3	SKID/SLIP RESISTANT PREFORMED THERMOPLASTIC PAVEMENT MARKING, BIKE LANE GREEN
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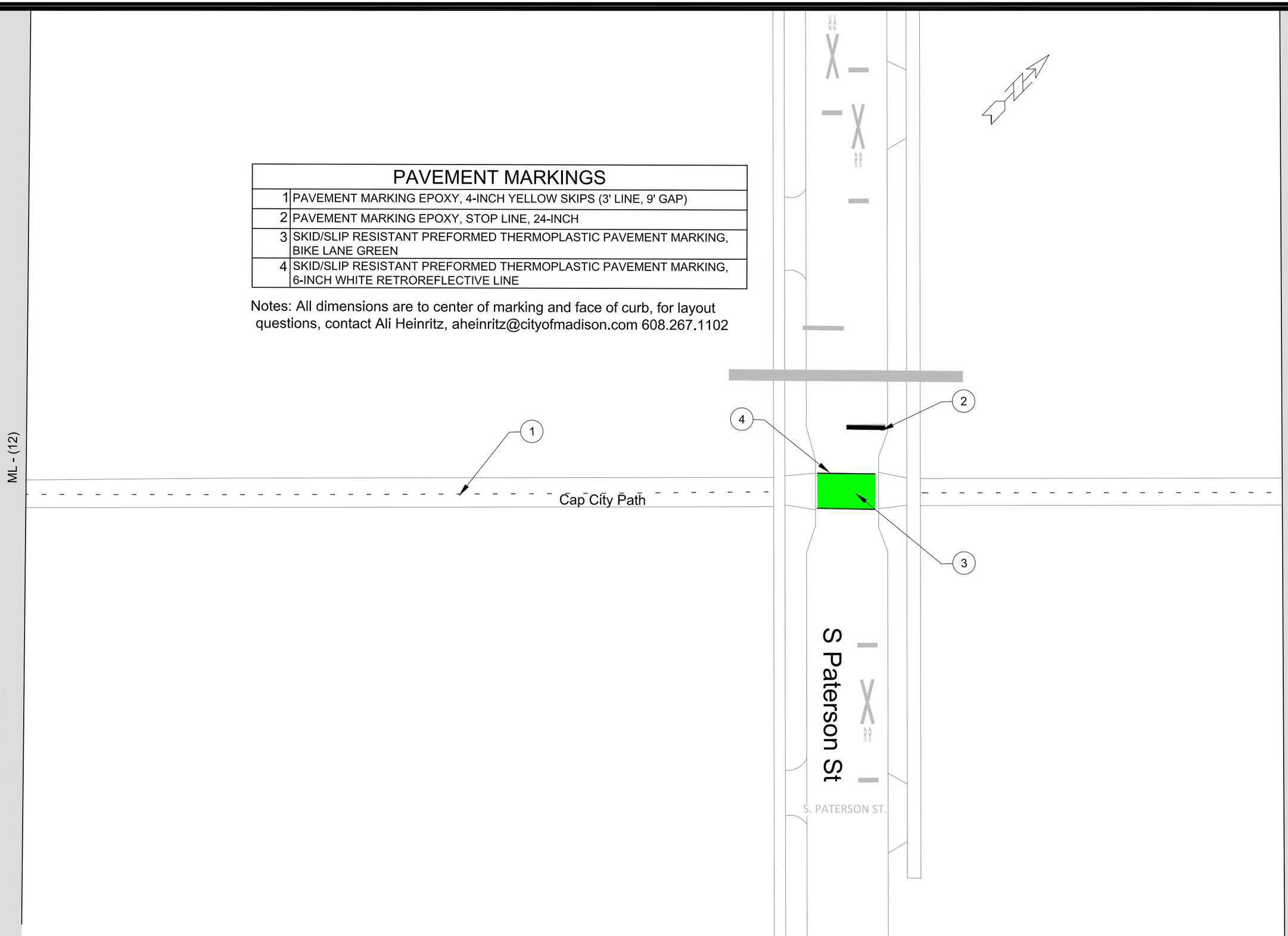

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15271TE-PAVEMENT MARKING PLANS

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

MADISON, WI

CONTRACT NO: 9591

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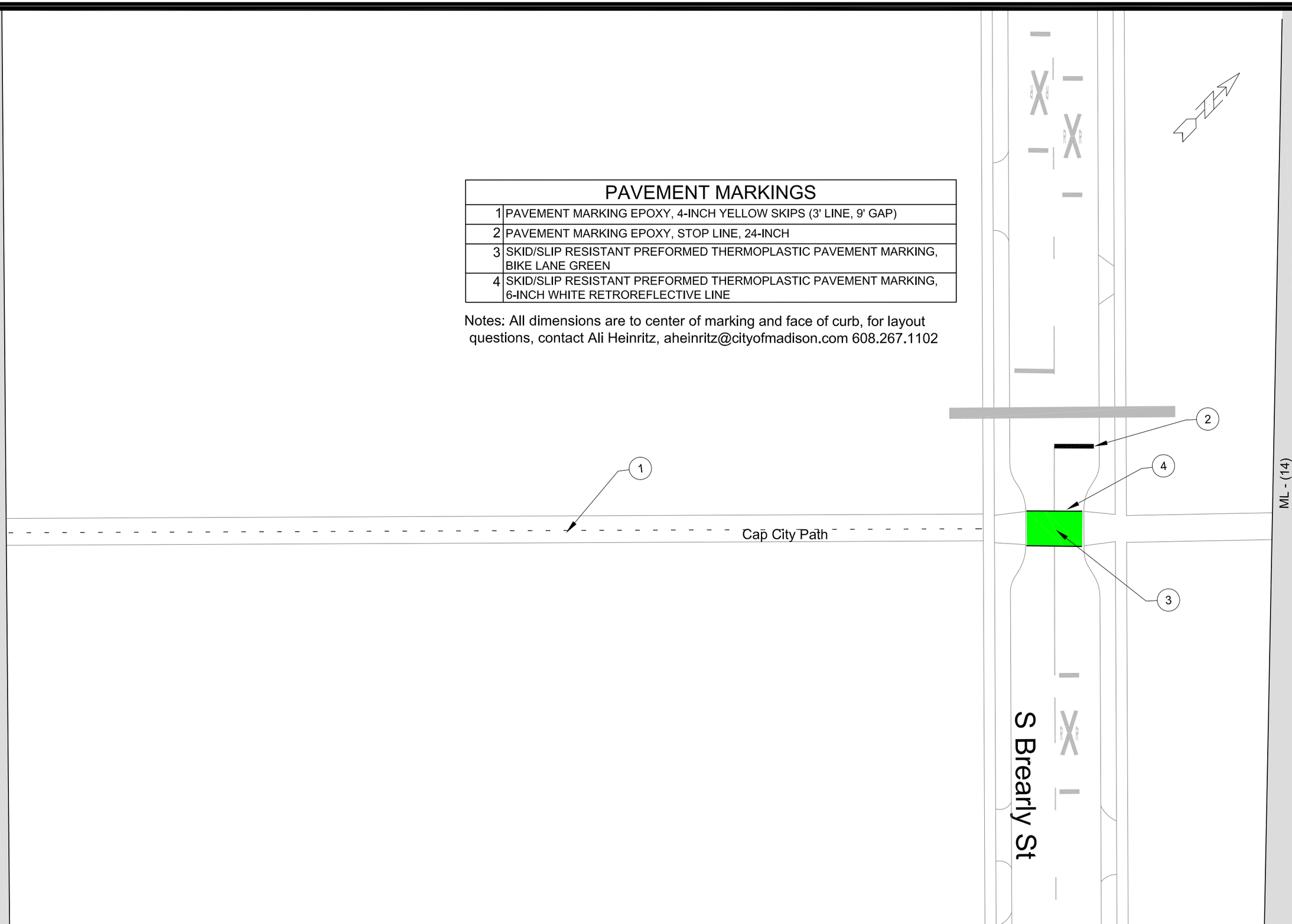
15271

PM-3

PAVEMENT MARKINGS	
1	PAVEMENT MARKING EPOXY, 4-INCH YELLOW SKIPS (3' LINE, 9' GAP)
2	PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH
3	SKID/SLIP RESISTANT PREFORMED THERMOPLASTIC PAVEMENT MARKING, BIKE LANE GREEN
4	SKID/SLIP RESISTANT PREFORMED THERMOPLASTIC PAVEMENT MARKING, 6-INCH WHITE RETROREFLECTIVE LINE

Notes: All dimensions are to center of marking and face of curb, for layout questions, contact Ali Heinritz, aheinritz@cityofmadison.com 608.267.1102



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15271

MADISON, WI

CONTRACT NO: 9591

15271TE-PAVEMENT MARKING PLANS

CAPITAL CITY TRAIL BOX CULVERT REPLACEMENT

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PM-4

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Date: 5/8/2025 3:23 PM
Scale: Custom
15271
TC-1

15271

MADISON, WI

CONTRACT NO: 9591

TRAFFIC CONTROL PLANS-BIKE DETOUR

CAPITAL CITY TRAIL STORM SEWER

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TC-1

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Date: 5/8/2025 3:24 PM
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TC-2

15271

MADISON, WI

CONTRACT NO: 9591

TRAFFIC CONTROL PLANS-BIKE DETOUR

CAPITAL CITY TRAIL STORM SEWER

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CITY OF MADISON WISCONSIN

15271

TC-2