

Madison, Wisconsin

INDEX OF SHEETS

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1	TYPICAL SECTIONS & DETAILS
D1	EROSION CONTROL PLAN & PROFILES
D2	6'X8' STORM CATCH BASIN DETAIL
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U1-U2	STORM & SANITARY SEWER SCHEDULE
U3-U4	WATER PLAN & PROFILE
W1	WATER IMPACT PLAN
W2	WATER ESTIMATE OF MATERIALS
W3	ELECTRICAL PLANS
E1	CROSS SECTIONS
X1-X3	

NO MAINTENANCE PLAN

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

NOTES:

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

SIDEWALK RAMPS AND CURB THRU SIDEWALK RAPMS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12", SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 1.50%. 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 OF MADISON

CITY ENGINEERING DIVISION

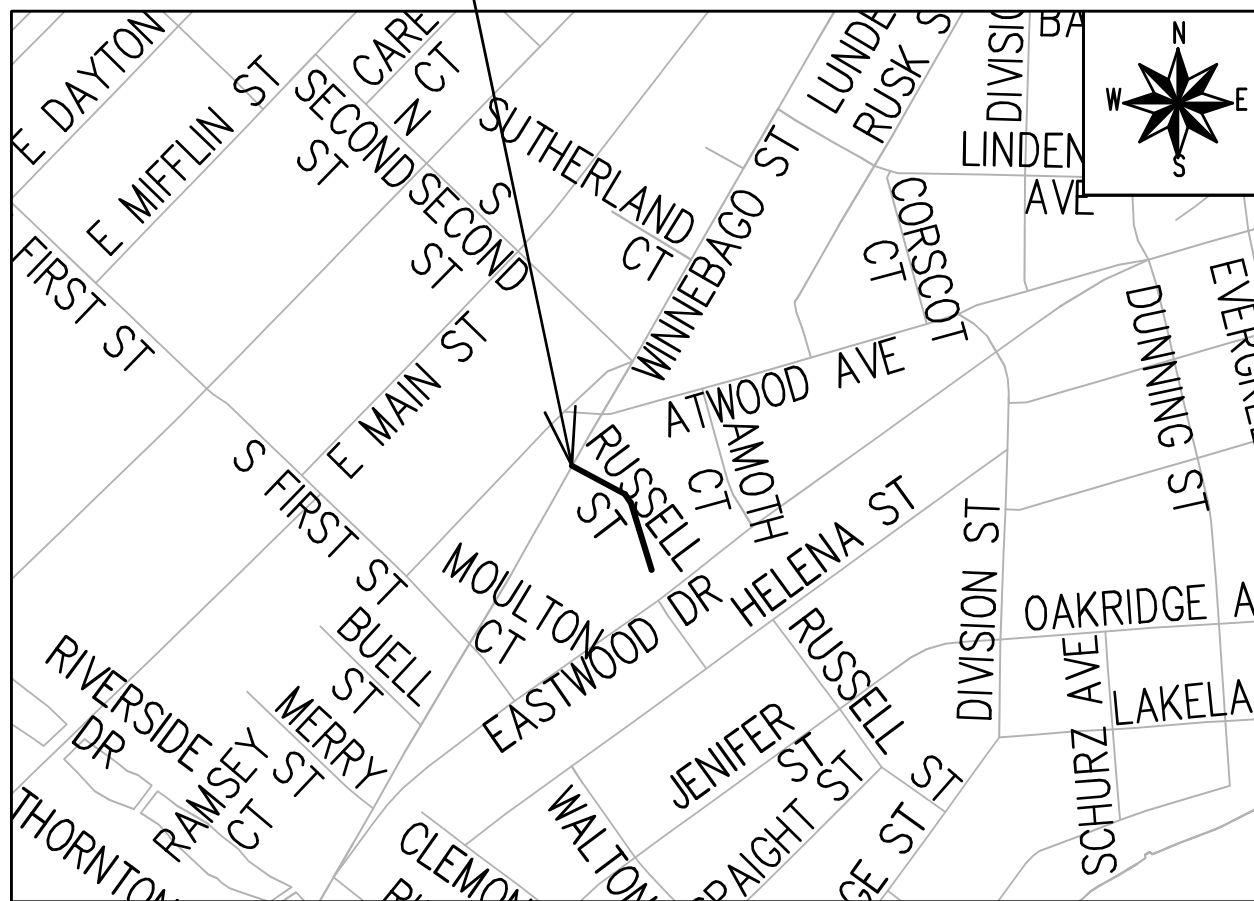
DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

RUSSELL STREET ASSESSMENT DISTRICT - 2022

PROJECT
LOCATION

CITY PROJECT NO. 13708
CONTRACT NO. 8624



EARTH WORK SUMMARY:

EXCAVATION CUT(MEASURED PLAN QUANTITY) = 750 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT = 150 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT = 900 C.Y.

ADDENDUM & REVISION HISTORY

- REVISION 1 - 7/26/2022 - (D2, U1-U2, U4)
- REVISION 2 - 8/15/2022 - (REMOVED ALL CHANGES TO PLAN MADE BY REVISION 1)

PUBLIC IMPROVEMENT PROJECT
APPROVED

APPROVED DATE: MARCH 29, 2022

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

Greg Fries Apr 29, 2022

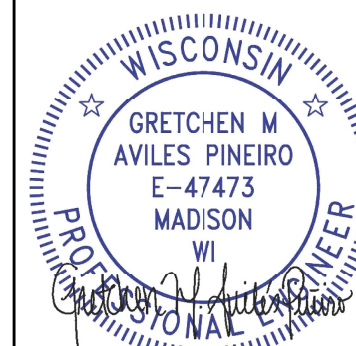
City Engineer Date

STREET
DESIGNED BY:



Apr 29, 2022

LIGHTING & SIGNALS
DESIGNED BY:



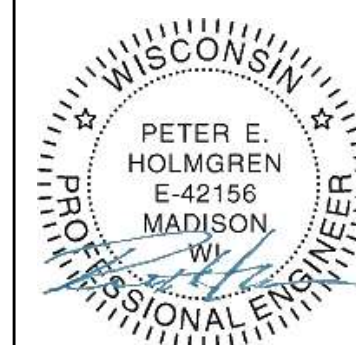
Apr 29, 2022

SANITARY SEWER
DESIGNED BY:



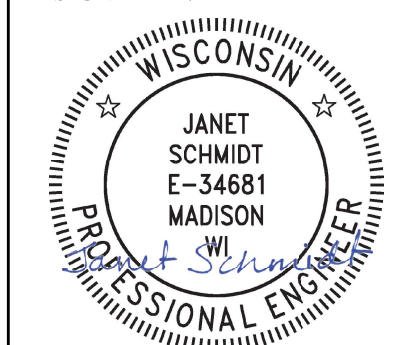
Apr 29, 2022

WATER MAIN
DESIGNED BY:



Apr 29, 2022

STORM SEWER
DESIGNED BY:



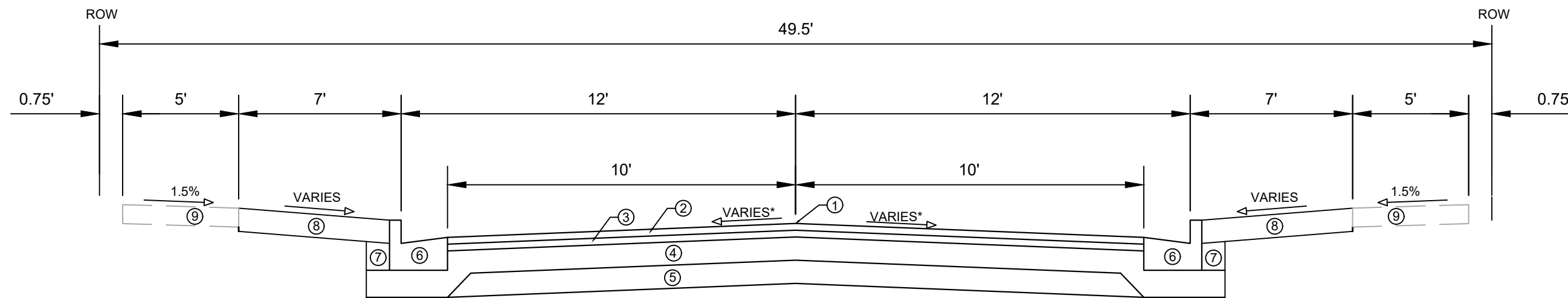
Apr 29, 2022

PLOT SCALE: 1 IN=1 FT_XREF

PLOT NAME: ---

REV. DATE: 4/27/2022 9:11 AM

ORIGINATOR: CITY_OF_MADISON



TYPICAL SECTION
RUSSELL ST

NOT TO SCALE

- ① POINT REFERRED TO ON PROFILE
- ② 1.75" HMA PAVEMENT - TYPE 4 LT 58-28 S
- ③ 1.75" HMA PAVEMENT - TYPE 4 LT 58-28 S
- ④ 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE
- ⑤ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE
- ⑥ CONCRETE CURB AND GUTTER TYPE 'A', SEE P-SHEETS FOR LOCATIONS
- ⑦ FILL INCIDENTAL TO CURB AND GUTTER INSTALLATION
- ⑧ RESTORE DISTURBED AREAS WITH 6" TOPSOIL, SEED AND MATTING
- ⑨ 5" CONCRETE SIDEWALK, REMOVE AND REPLACE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER

*SEE CROSS SECTIONS FOR PAVEMENT SLOPE

MARK	REVISION	DATE	BY
13708	4/12/2022	11:37 AM	###/###/###

13708
MADISON, WI
RUSSELL STREET ASSESSMENT DISTRICT - 2022
CONTRACT NO: 8624
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GENERAL NOTES:
 ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL REINFORCING SHALL BE EPOXY COATED.

CONTRACTOR MAY CHOOSE TO PRECAST TOP SLAB AND LIFT SLAB ONTO STRUCTURE. IF TOP SLAB IS NOT CAST-IN-PLACE, USE ONE OF THE ALTERNATE SLAB JOINT DETAILS SHOWN IN "PRECAST TOP SLAB JOINT DETAIL".

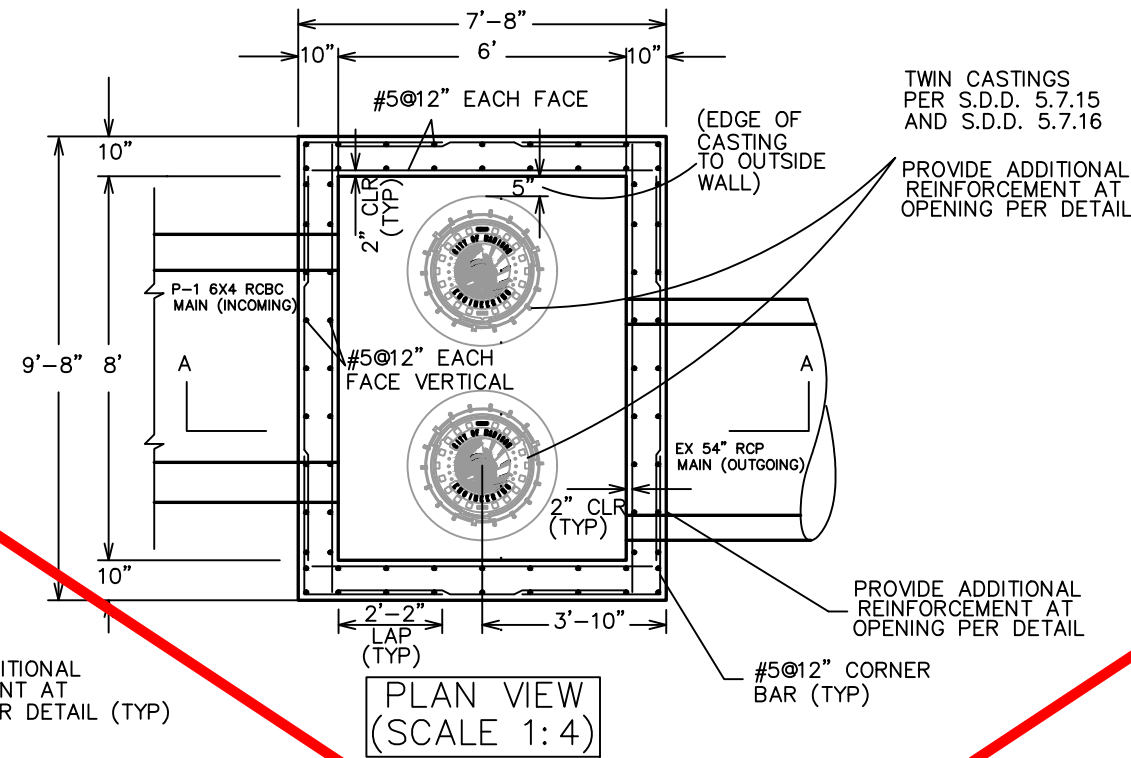
PROVIDE ADDITIONAL REINFORCEMENT AT ALL OPENINGS PER "ADDITIONAL REINFORCEMENT AT CONCRETE OPENINGS" DETAIL.

BACKFILL STRUCTURE WITH SELECT FILL SAND (BID ITEM 20208).

DESIGN DATA:
 CONCRETE MASONRY: $f'_c = 4,000$ PSI
 STEEL REINFORCING: $f_y = 60,000$ PSI

STRUCTURE IS DESIGNED FOR HS20 LIVE LOAD.

STRUCTURE IS NOT DESIGNED FOR MORE THAN 2'-0" OF FILL ON TOP OF TOP SLAB.



CITY OF MADISON
 ENGINEERING DIVISION

STORM SEWER
 6'X8' CATCH BASIN

SHEET D-2 ADDED WITH REVISION 1

SHEET D-2 REMOVED WITH REVISION 2

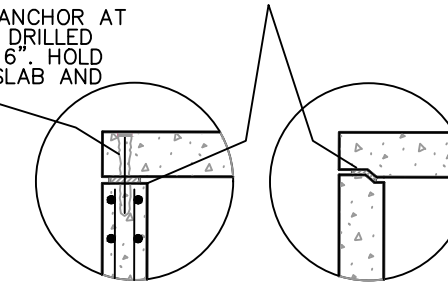
NOTE: REINFORCING SHOWN IN PLAN VIEW IS TYPICAL WALL REINFORCING. CUT REINFORCING AS REQUIRED AROUND PIPES AND PROVIDE ADDITIONAL REINFORCING AT OPENINGS PER DETAIL.

PROVIDE ADDITIONAL REINFORCEMENT AT OPENINGS PER DETAIL (TYP)

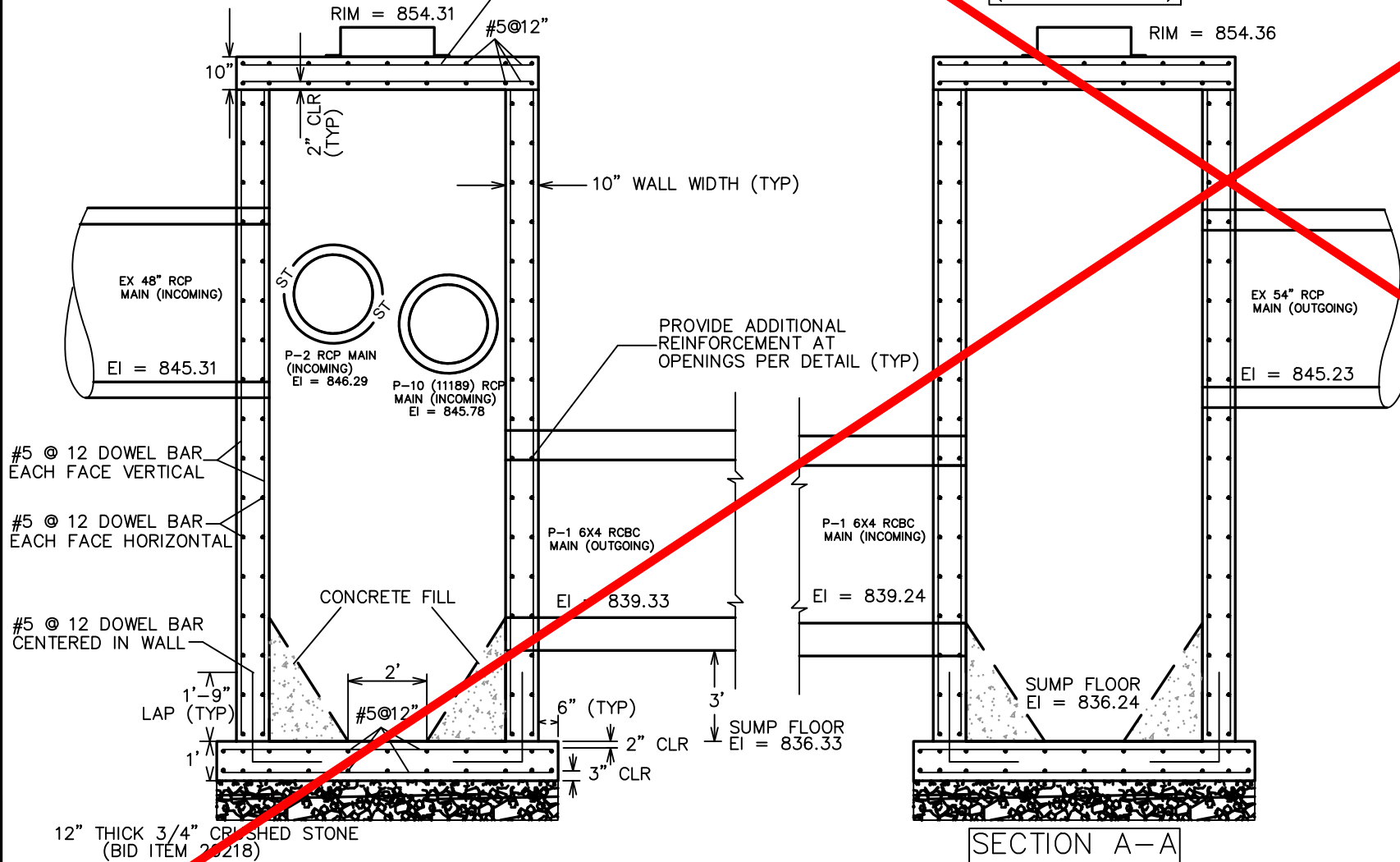
PLAN VIEW (SCALE 1:4)

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP.)

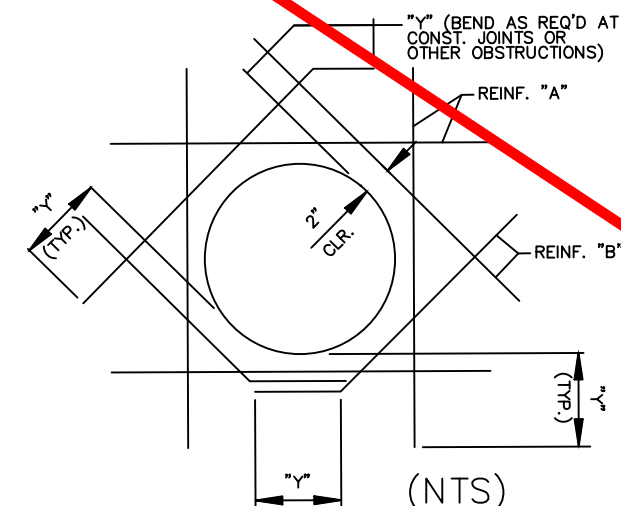
#5 BAR CONCRETE ADHESIVE ANCHOR AT 4 CORNERS OF SLAB. CENTER DRILLED ANCHOR IN WALL AND EMBED 6". HOLD DOWN 2" FROM TOP OF TOP SLAB AND GROUT HOLE OVER ANCHOR.



PRECAST TOP SLAB JOINT DETAIL



SECTION A-A (SCALE 1:4)



NOTES

1. MOVE REINF. MAX. OF 2" TO CLEAR OPENING TO AVOID CUTTING REINF. CUT REMAINING BARS THAT PASS THROUGH OPENING.
2. WHERE REINF. MUST BE CUT, ADD REINF. "A" AT LEAST EQUAL IN AREA TO THAT WHICH WAS CUT AND EXTEND BEYOND OPENING DISTANCE "Y".
3. DIAGONAL BARS "B" TO BE PLACED:
 - A. AT EACH FACE OF WALL WHERE TWO LAYERS OF REINF. ARE PROVIDED.
 - B. AT TOP & BOTTOM OF ALL SLABS.
4. UNLESS OTHERWISE NOTED, SIZE OF REINF. "B" SHALL BE THE SIZE OF THE LARGEST REINF. BAR CUT.
5. Y = CLASS B LAP (#4 BAR = 1'-6") (#5 BAR = 1'-10")
6. THIS DETAIL IS TO BE USED WHEN NO OTHER DETAIL IS SPECIFIED.

S-2: 17.98' DEPTH (RIM TO SUMP EI)

NOTE: RIM & INVERTS PROVIDED FOR REFERENCE. VERIFY ELEVATIONS IN CURRENT SEWER SCHEDULE.

S-1: 18.12' DEPTH (RIM TO SUMP EI)

ADDITIONAL REINFORCEMENT AT CONCRETE OPENINGS

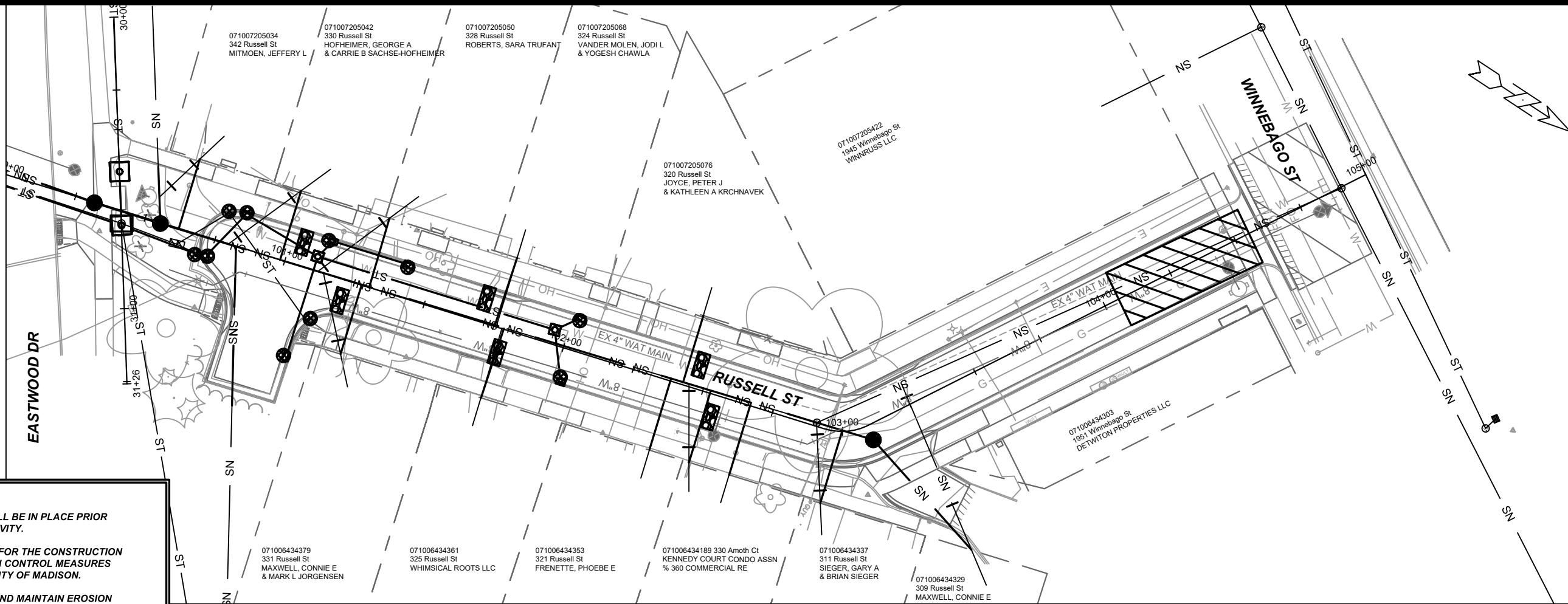
13708
 MADISON, WI
 8624
 CONTRACT NO.:

6' X 8' STORM SEWER CATCH BASIN DETAIL
 RUSSELL STREET ASSESSMENT DISTRICT - 2022
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13708
 D-2

REV#	DATE	BY	REVISION
REV1	8/15/22	DAO	SDD NOT NEEDED FOR PROJECT
REV2	7/25/22	DAO	SDD 5.7.4. REV FOR 6X8 CB/W/ SUMP
MARK			
Designed By: ###	Date: 8/15/2022 5:11 PM	Scale: #####	D-2
13708			



EROSION CONTROL NOTES:

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

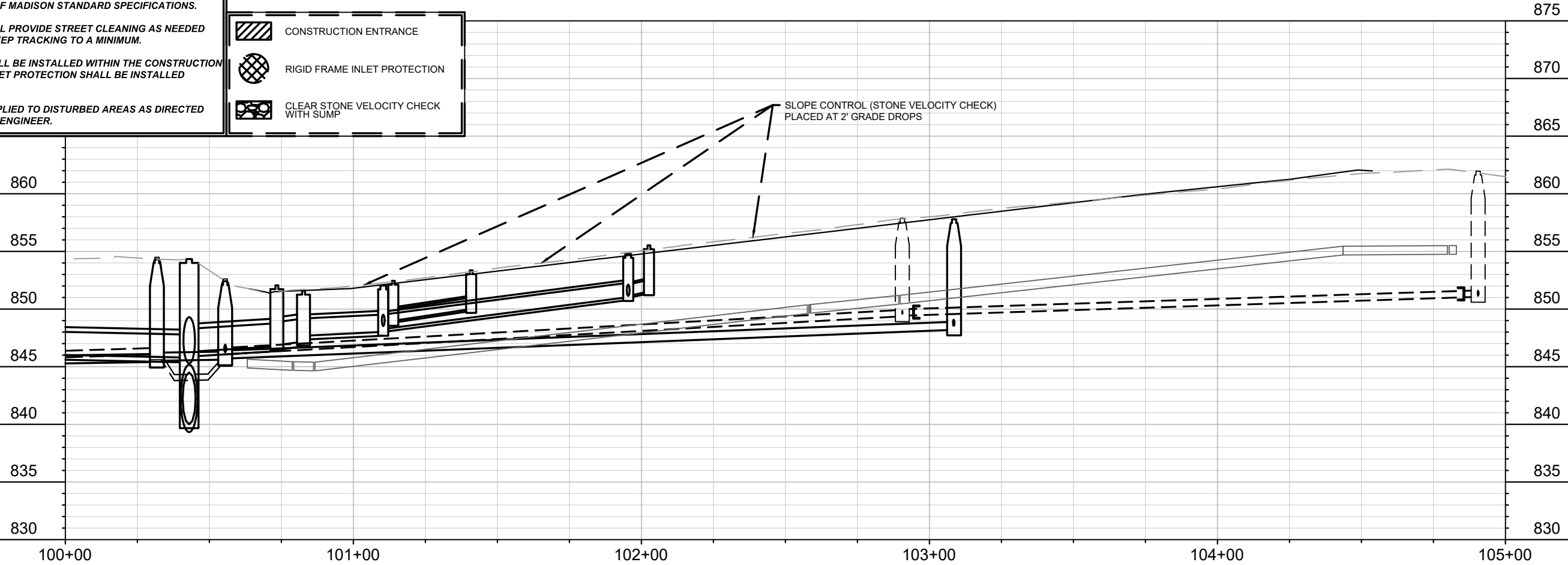
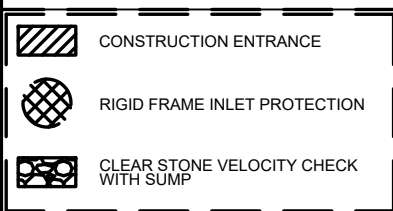
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

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.



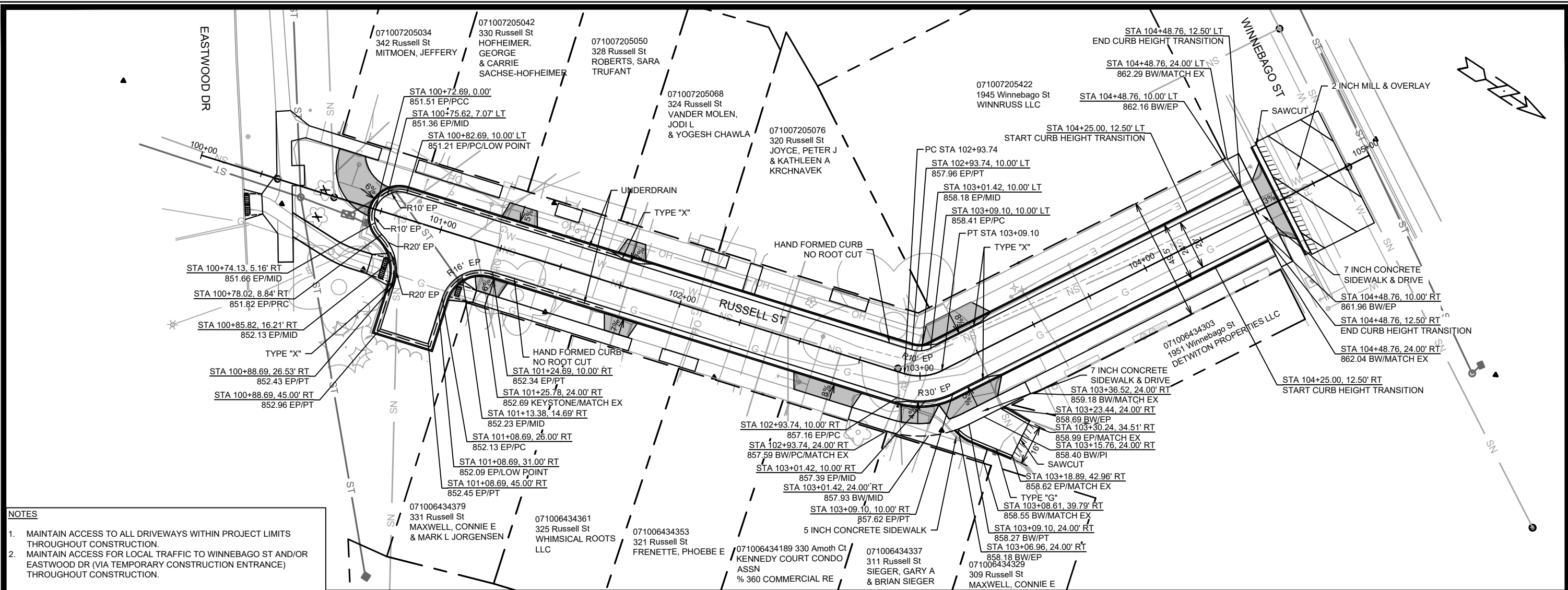
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MADISON, WI
8624
CONTRACT NO:

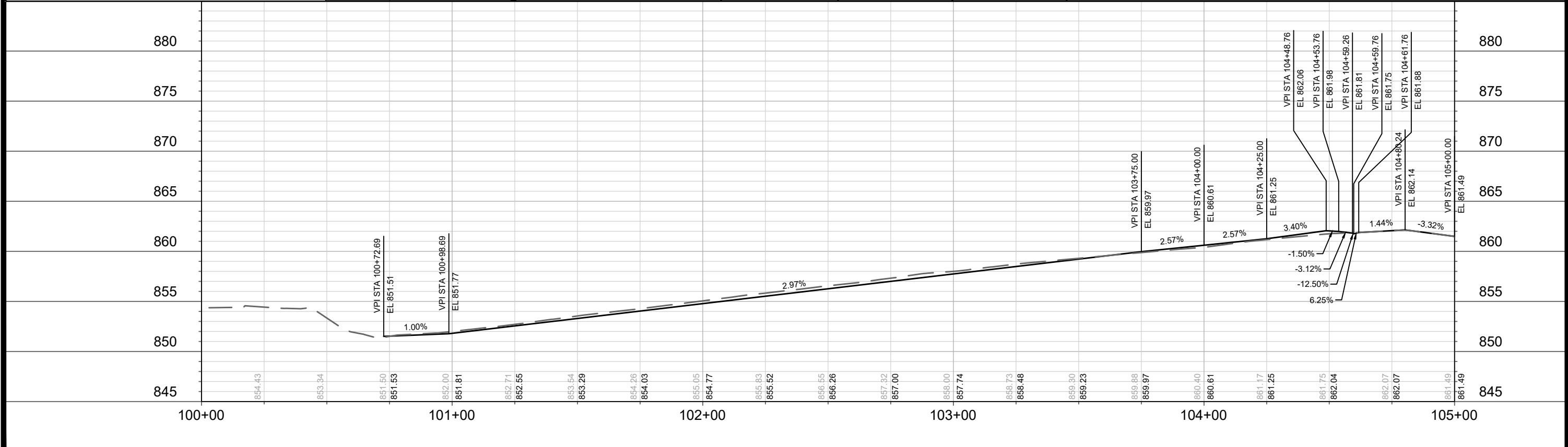
EROSION CONTROL - RUSSELL STREET
RUSSELL STREET ASSESSMENT DISTRICT - 2022
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13708
EC-1



- NOTES**
1. MAINTAIN ACCESS TO ALL DRIVEWAYS WITHIN PROJECT LIMITS THROUGHOUT CONSTRUCTION.
 2. MAINTAIN ACCESS FOR LOCAL TRAFFIC TO WINNEBAGO ST AND/OR EASTWOOD DR (VIA TEMPORARY CONSTRUCTION ENTRANCE) THROUGHOUT CONSTRUCTION.

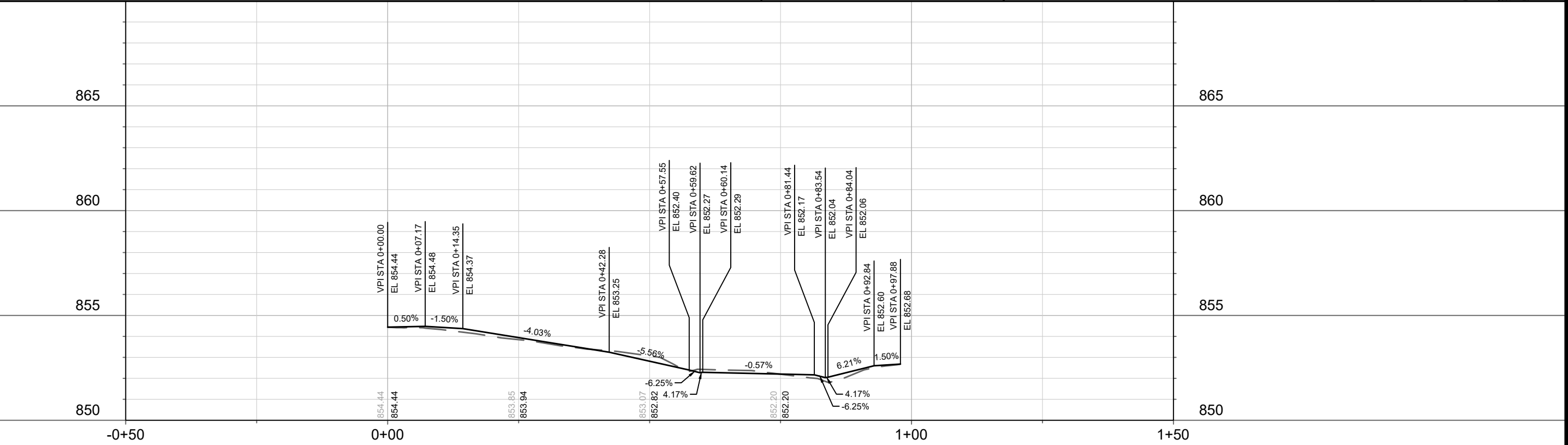
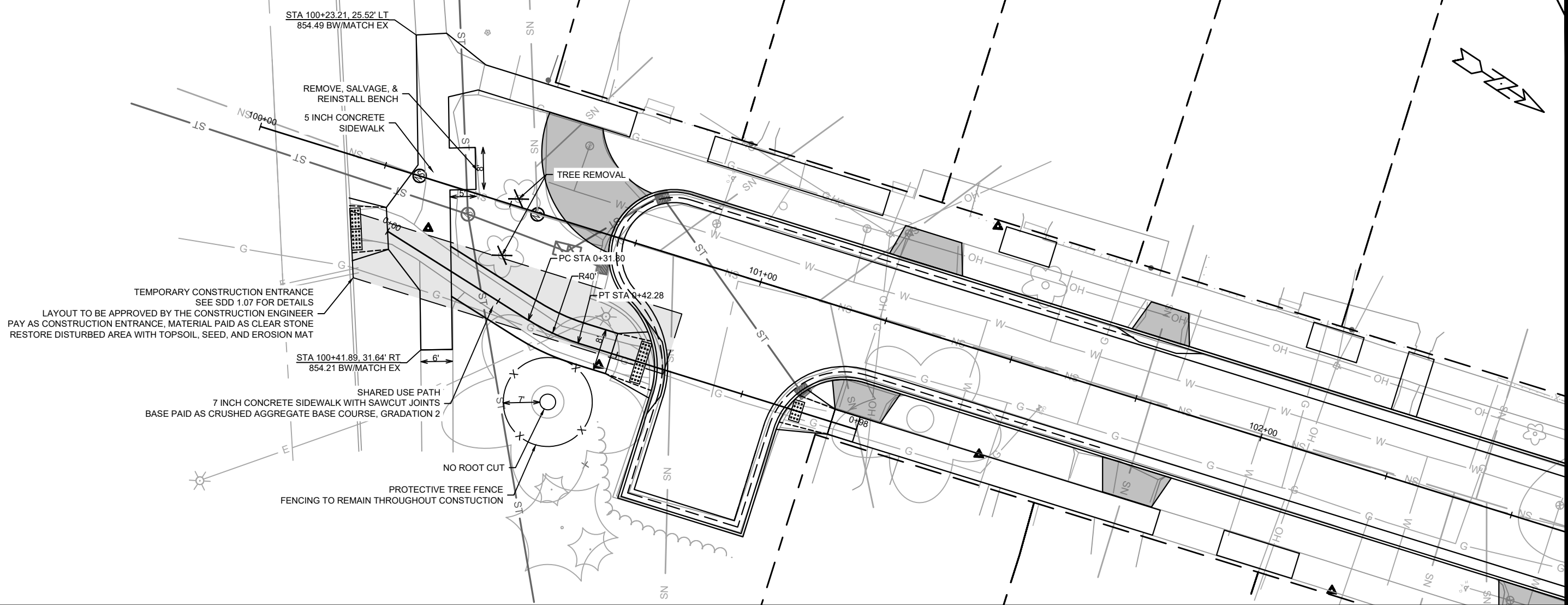


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REVISION	
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DATE	4/27/2022 2:15 PM
SCALE	1" = 40'
PAGE	P-1

13708
MADISON, WI
8624
CONTRACT NO:

STREET PLAN & PROFILE - RUSSELL ST
RUSSELL STREET ASSESSMENT DISTRICT - 2022
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13708
P-1



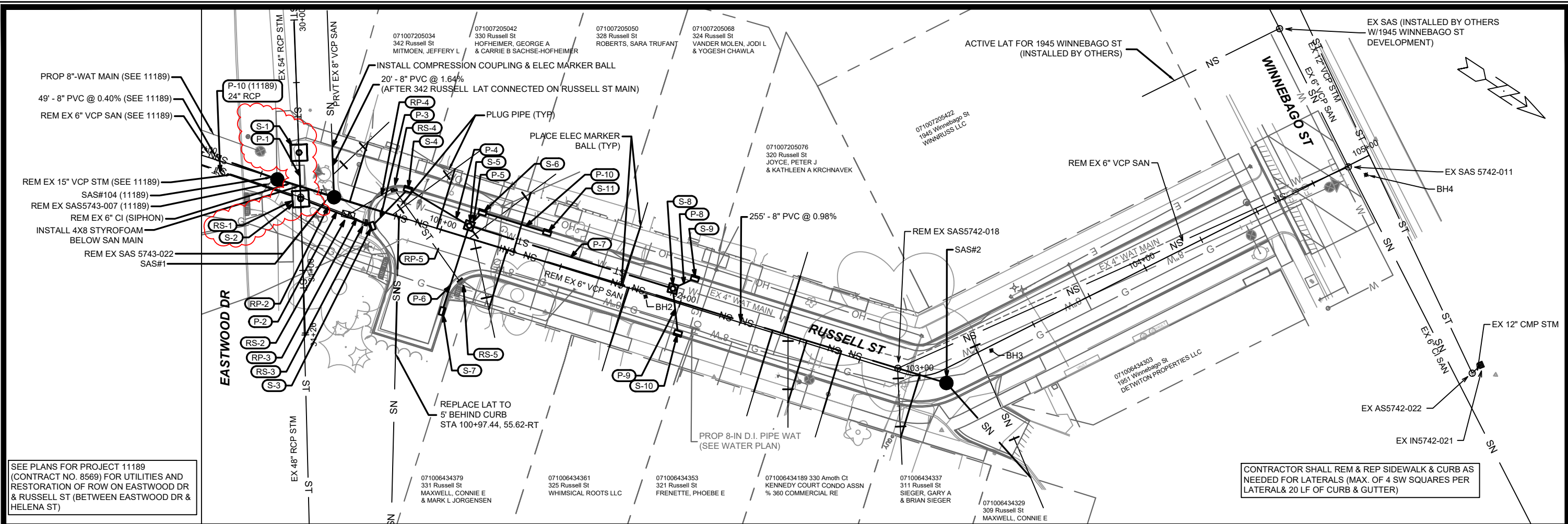
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13708	4/27/2022 2:15 PM		P-2

13708
MADISON, WI
CONTRACT NO: 8624

STREET PLAN & PROFILE - SHARED USE PATH
RUSSELL STREET ASSESSMENT DISTRICT - 2022
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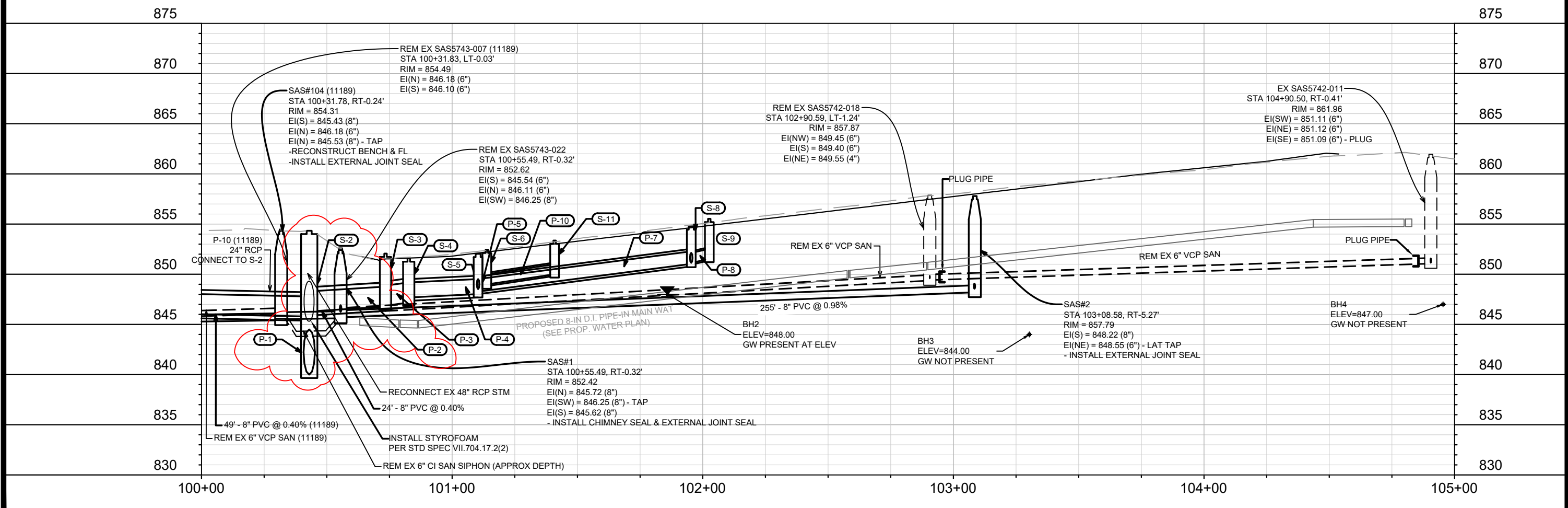


13708
P-2



SEE PLANS FOR PROJECT 11189 (CONTRACT NO. 8569) FOR UTILITIES AND RESTORATION OF ROW ON EASTWOOD DR & RUSSELL ST (BETWEEN EASTWOOD DR & HELENA ST)

CONTRACTOR SHALL REM & REP SIDEWALK & CURB AS NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL & 20 LF OF CURB & GUTTER)



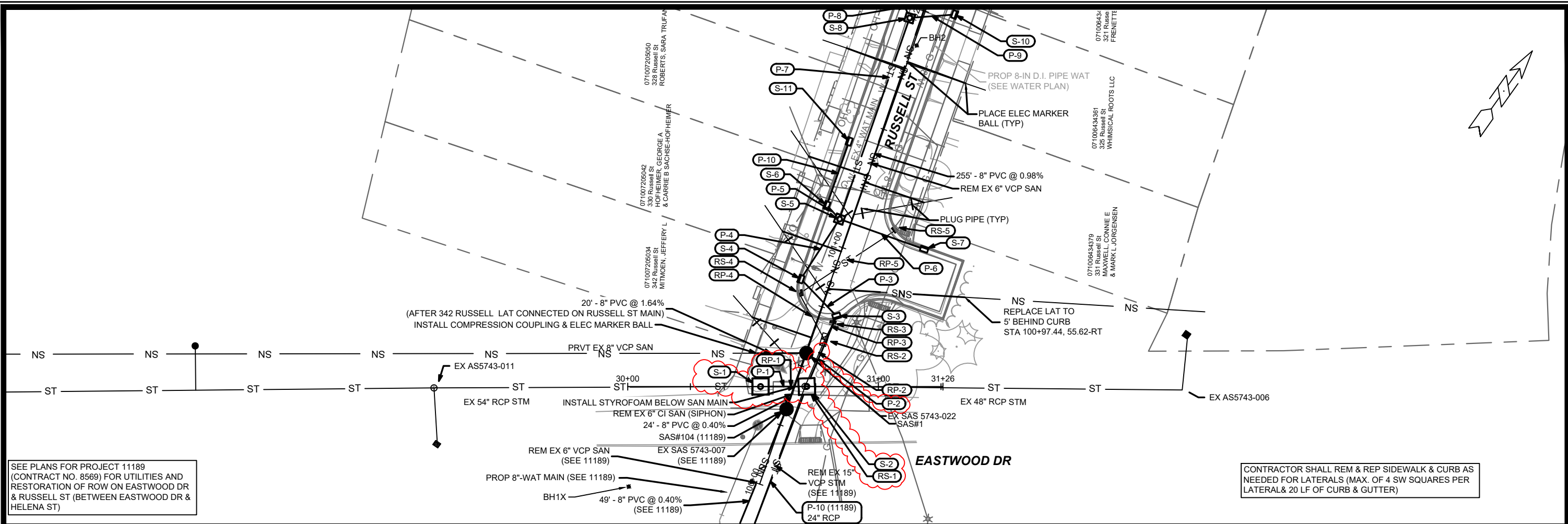
REV1	REVERT STM TO ORIGINAL DESIGN	08/19/22	DAO
REV2	PROP STM CHANGES (RCBC, STM, SAS)	07/26/22	DAO
MARK	REVISION	DATE	BY
	Designed By: DAO	Date: 11/17/20	Scale: 1" = 40'
	13708		U-1

13708
MADISON, WI
CONTRACT NO: 8624

SEWER PLAN & PROFILE - RUSSELL STREET
RUSSELL STREET ASSESSMENT DISTRICT - 2022
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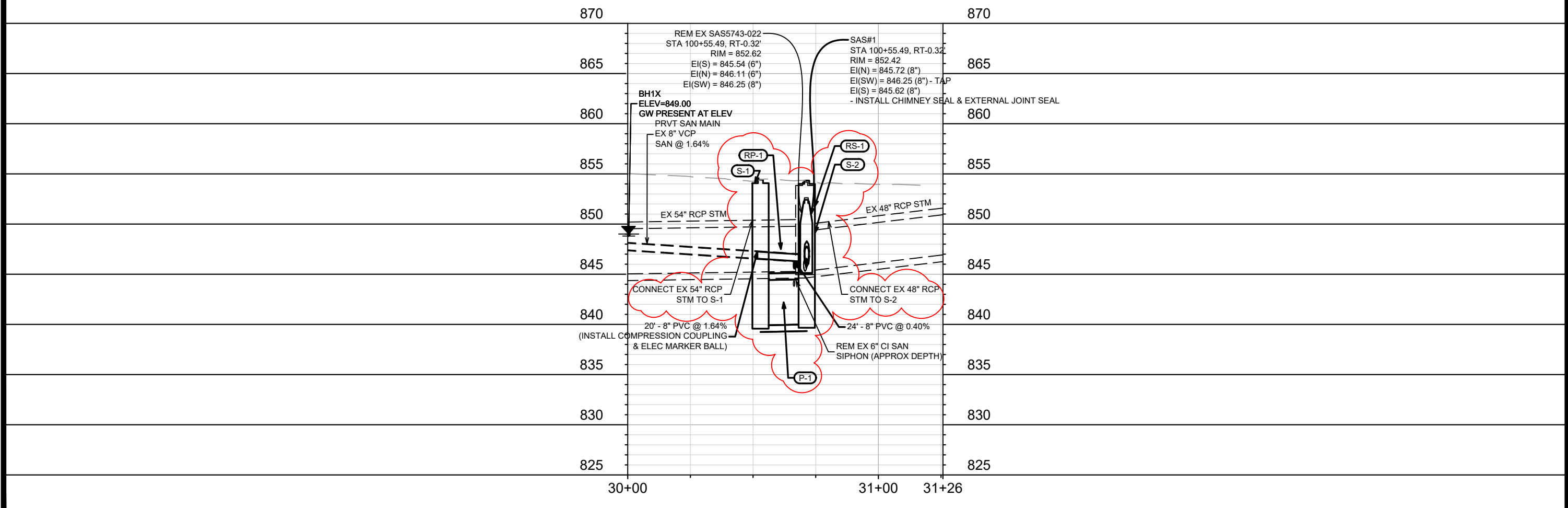


13708
U-1



SEE PLANS FOR PROJECT 11189 (CONTRACT NO. 8569) FOR UTILITIES AND RESTORATION OF ROW ON EASTWOOD DR & RUSSELL ST (BETWEEN EASTWOOD DR & HELENA ST)

CONTRACTOR SHALL REM & REP SIDEWALK & CURB AS NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL & 20 LF OF CURB & GUTTER)



13708		MADISON, WI		8624		CONTRACT NO.:	
SEWER PLAN & PROFILE - RUSSELL STREET		RUSSELL STREET ASSESSMENT DISTRICT - 2022		M:\DESIGN\Projects\13708\CAD\Sewer\13708SWR-PnP.dwg			
REV2	REVERT STM TO ORIGINAL DESIGN	08/19/22	DAO	DATE	BY	U-2	
REV1	PROP STM CHANGES (RCBC, STM,SAS)	07/25/22	DAO	DATE	BY	U-2	
MARK	REVISION	07/25/22	DAO	DATE	BY	U-2	
13708		13708		Scale: 1" = 40'		U-2	



13708
U-2

SANITARY SEWER SCHEDULE

PROJECT NAME	SHEET NO.
PROJECT NO. 13708	U-3
SANITARY SEWER SCHEDULE	
RUSSELL STREET	CITY OF MADISON

U-3

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
RUSSELL ST						
SAS#1	100+55.49	RT-0.32	852.42	845.62	6.80	[3][4]
SAS#2	103+08.58	RT-5.27	857.79	848.22	9.57	[4]

SANITARY STRUCTURE REMOVALS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
RUSSELL ST						
SAS5743-022	100+55.49	RT-0.32	852.62	845.54	7.08	
SAS5742-018	102+90.59	LT-1.24	857.87	849.40	8.47	

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
RUSSELL ST								
SAS#104 (11189)	SAS#1	845.53	845.62	24	0.40%	8	SDR-35	[1][2]
SAS#1	SAS#2	845.72	848.22	255	0.98%	8	SDR-35	
SAS#1	100+48.88, LT-18.50	846.25	846.58	20	1.64%	8	SDR-35	[5]

SANITARY PIPE REMOVALS & ABANDONMENTS

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE TYPE	PAID (Y/N)	REM LENGTH PAID (FT)	PIPE SIZE	NOTES
RUSSELL ST							
SAS#104 (11189)	SAS5743-022	24	CI	N	0	6	REMOVE
SAS5743-022	SAS5742-018	235	VCP	N	0	6	REMOVE
SAS5742-018	SAS5742-011	197	VCP	Y	197	6	REMOVE
SAS5743-022	100+48.88, LT-18.50	20	VCP	N	0	8	REMOVE

SPECIFIC NOTES

- [1] SAS#104 TO BE INSTALLED WITH PROJECT 11189, CONTRACT 8569; INSTALL INTERNAL CHIMNEY SEAL INSTALLATION PER 11189 PLANS
- [2] RECONSTRUCT BENCH & FLOWLINE (SAS#104) WITH PROJECT 13708, CONTRACT 8624
- [3] INSTALL INTERNAL CHIMNEY SEAL
- [4] INSTALL EXTERNAL JOINT WRAP
- [5] CONNECT WITH COMPRESSION COUPLING; PLACE ELECTRONIC MARKER BALL

STORM SEWER SCHEDULE

* Revision 1 7/25/2022 DAO
 # Revision 2 8/15/2022 DAO

PROJECT NAME PROJECT NO. 13708	SHEET NO. U-4	U-4
STORM SEWER SCHEDULE		
RUSSELL STREET	CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
RUSSELL ST							
# S-1	100+36.85	LT-12.52	6X6 SAS	854.41	839.91	14.50	[2]; FP; W/TWO R-1550-0054
# S-2	100+42.98	RT-4.87	6X6 SAS	854.33	840.00	14.33	[3]; FP; W/TWO R-1550-0054
S-3	100+73.42	RT-6.81	4X4 SAS	852.02	847.18	4.84	W/R-3067-7004-V
S-4	100+82.69	LT-11.50	4X4 SAS	851.78	848.02	3.76	LP; W/3067-7004-VB
S-5	101+10.37	LT-4.86	3X3 SAS	852.02	848.88	3.14	W/R-1550-0054
S-6	101+13.86	LT-11.47	H-INLET	852.48	848.86	3.62	W/R-3067-7004-V
S-7	101+10.19	RT-31.00	H-INLET	852.46	851.03	1.43	LP; W/3067-7004-VB
S-8	101+95.41	LT-4.98	3X3 SAS	854.78	851.53	3.25	W/R-1550-0054
S-9	102+02.61	LT-11.50	H-INLET	855.53	851.33	4.20	W/R-3067-7004-V
S-10	102+02.61	RT-11.50	H-INLET	854.93	850.00	4.93	W/R-3067-7004-V
S-11	101+40.90	LT-11.47	H-INLET	853.20	0.00	853.20	W/R-3067-7004-V

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
RUSSELL ST										
# P-1	S-1	S-2	839.91	840.00	18	13	0.50%	54	RCP	[1]
# P-2	S-2	S-3	846.29	846.77	31	24	1.57%	24	RCP	
P-3	S-3	S-4	846.87	847.18	21	16	1.51%	24	RCP	
P-4	S-4	S-5	847.68	848.02	28	25	1.19%	18	RCP	
P-5	S-5	S-6	848.52	848.88	7	5	4.82%	12	RCP	
P-6	S-5	S-7	848.52	848.86	36	33	0.95%	12	RCP	
P-7	S-5	S-8	848.27	851.03	85	82	3.25%	15	RCP	
P-8	S-8	S-9	851.13	851.53	10	6	4.12%	12	RCP	
P-9	S-8	S-10	851.13	851.33	18	15	1.11%	12	RCP	
P-10	S-6	S-11	848.99	850.00	27	24	3.74%	12	RCP	

STORM STRUCTURE REMOVALS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	DEPTH (FT)	NOTES
RUSSELL ST						
RS-1	AS5743-012	100+42.79	RT-4.24	5X7 SAS	8.88	
RS-2	AS5743-095	100+62.95	RT-5.30	5X7 SAS	4.71	
RS-3	UNK IN1	100+70.17	RT-6.70	H-INLET	3.29	
RS-4	IN5743-013	100+77.24	LT-10.67	H-INLET	2.73	
RS-5	IN5743-014	101+14.78	RT-17.67	H-INLET	2.46	

STORM PIPE REMOVALS

PIPE REM NO.	REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	REM LENGTH PAID (FT)	PIPE SIZE	TYPE	NOTES
RUSSELL ST								
# RP-1	S-1	RS-1	18	N	0	54	RCP	
RP-2	RS-2	RS-1	20	N	0	15	RCP	
RP-3	RS-3	RS-2	7	N	0	12	RCP	
RP-4	RS-4	RS-2	21	Y	21	15	RCP	
RP-5	RS-5	RS-4	47	Y	47	12	RCP	

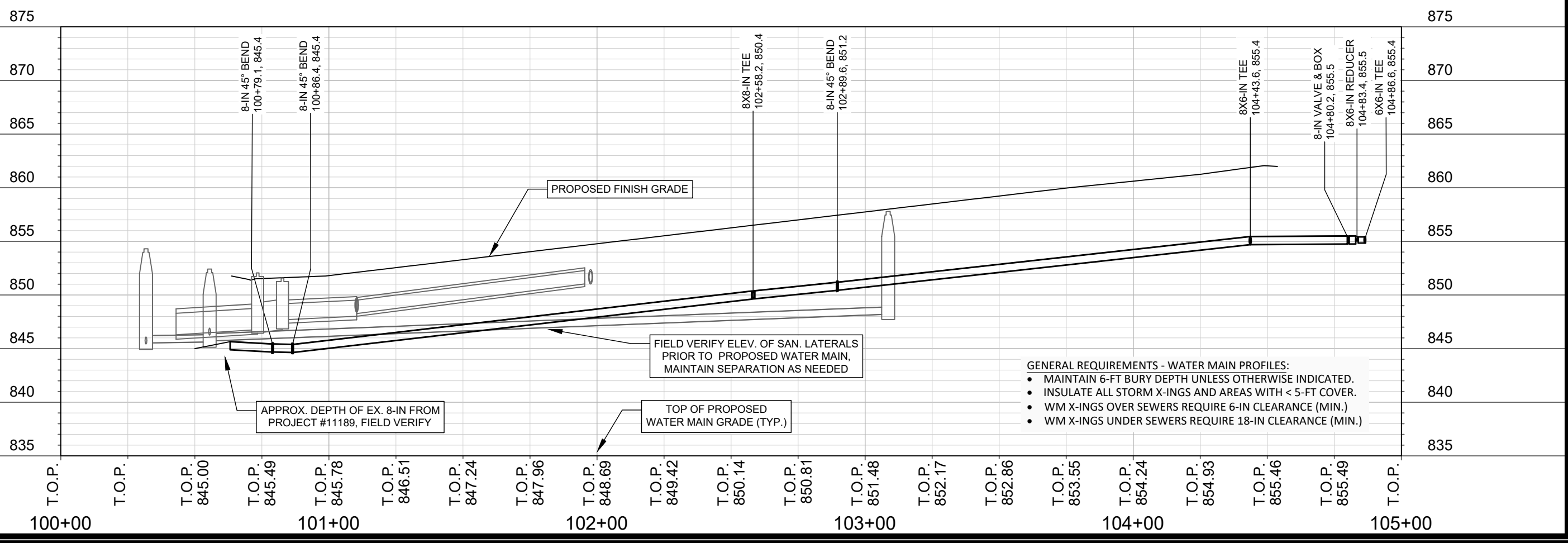
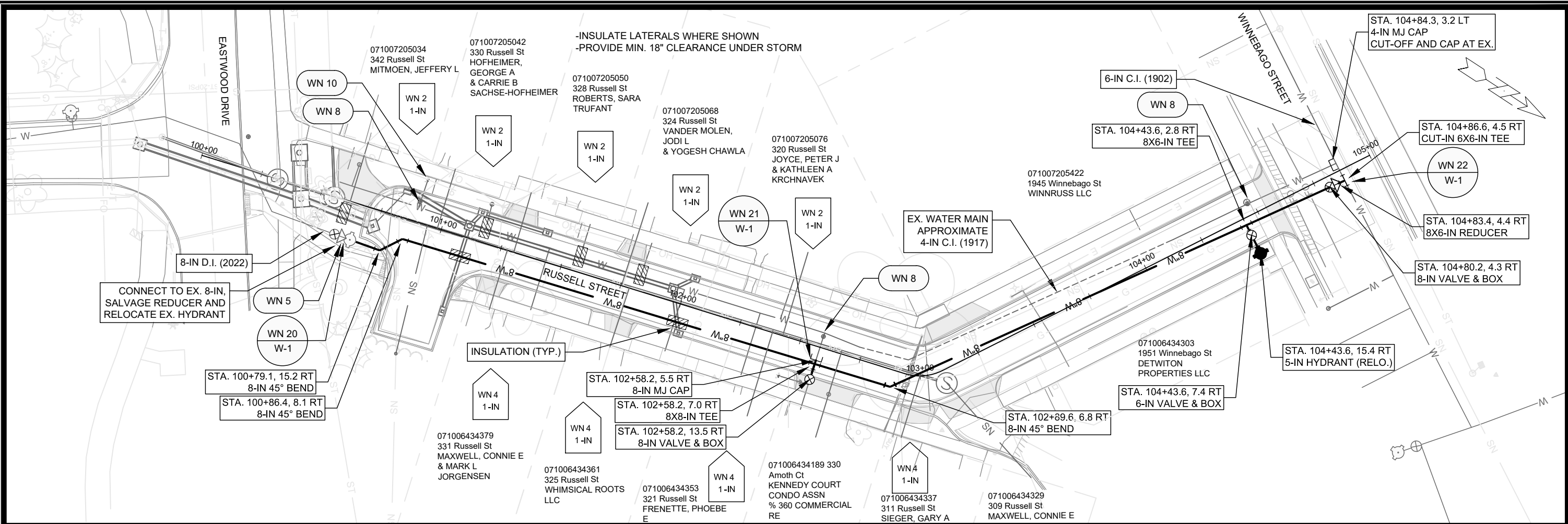
SPECIFIC NOTES:

- [1] INVERTED SIPHON TO FIT BELOW PROP SANITARY MAIN
- # [2] DOWNSTREAM INVERT (SW) = 845.23 (54"); CONSTRUCT PER S.D.D. 5.7.3
- # [3] UPSTREAM INVERT (NE) = 845.31 (48"); PROJECT 11189, PIPE P-10 PROPOSED INVERT (S) = 845.78 (24"); CONSTRUCT PER S.D.D. 5.7.3
- # [4] INSTALL 3' SUMP BELOW EI GIVEN IN CHART; CONSTRUCT PER REVISED S.D.D. 5.7.4 FOR 6X8 STORM CATCH BASIN
- # [5] CITY OF MADISON WILL PROVIDE THREE 6-FT SECTIONS OF 6X4 RCBC THAT ARE CURRENTLY STORED AT CITY-OWNED FACILITY; CONTRACTOR SHALL COORDINATION PICK UP AND DELIVERY TO THE SITE

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.
- KOR N SEAL BOOTS OR EQUIVALENT SHALL BE USED FOR ALL PIPE CONNECTIONS TO INLETS. IN ADDITION, KOR N SEAL BOOTS SHALL BE REQUIRED FOR ANY TYPE II PIPE CONNECTIONS TO SAS STORM STRUCTURES. CONCRETE COLLARS OR KOR N SEAL MAY BE USED FOR ANY RCP OR HERCP CONNECTIONS TO SAS STORM STRUCTURES.
- ALL REBAR FOR FIELD POURED 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.

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



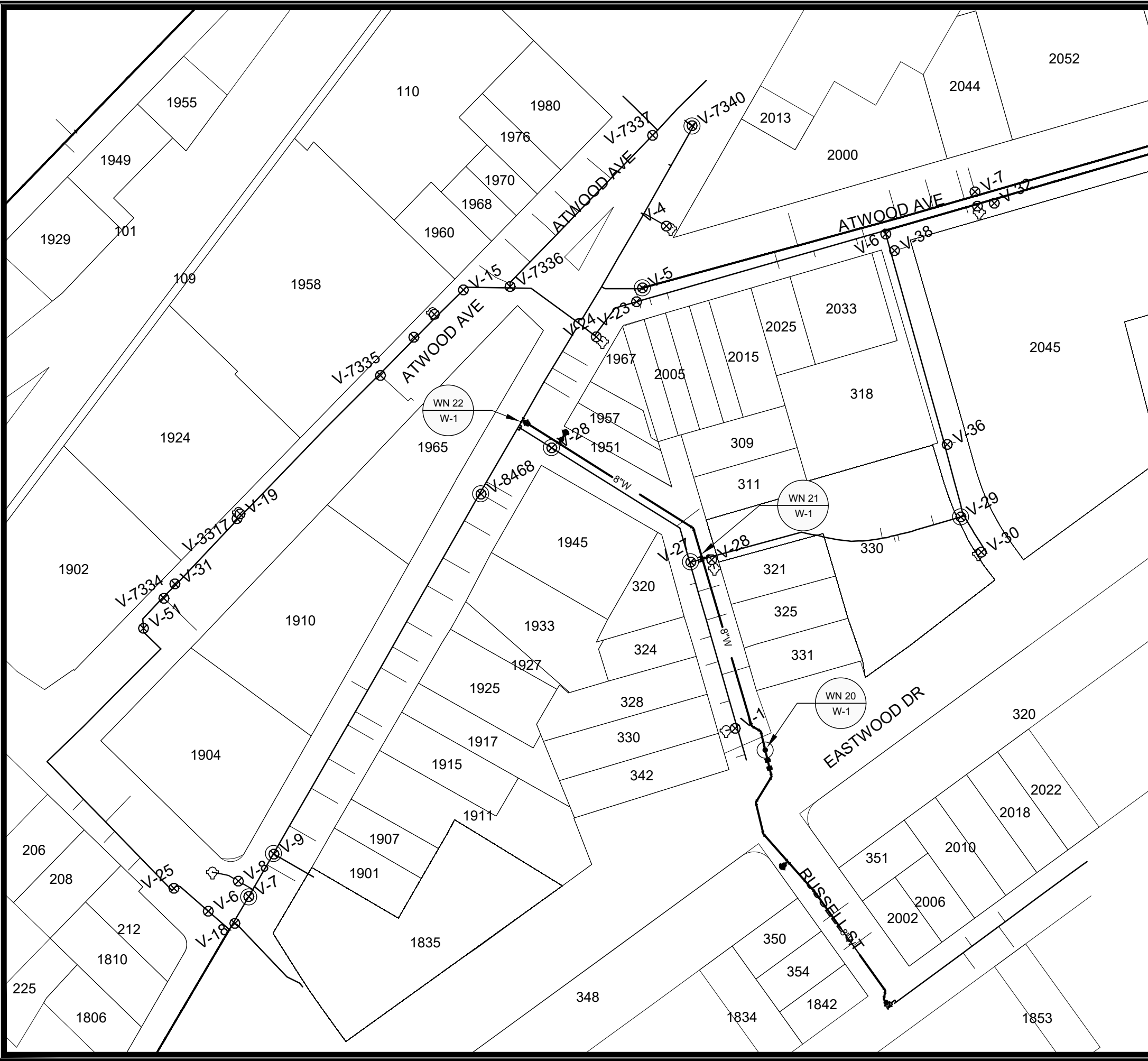
SCALE: 1" = 40'

DESIGNED BY: TDP
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 4/13/22

CONTRACT NO: 8624

RUSSELL STREET ASSESSMENT DISTRICT - 2022
RUSSELL STREET WATER PLAN & PROFILE
CITY OF MADISON, WISCONSIN

13708
W-1



1" = 100'

WN20 W-1: CONNECT TO EX. 8-IN MAIN AT RUSSELL ST. & EASTWOOD DRIVE
ISOLATION VALVES: NEW 8IN VALVE 2022 PROJECT #11189
NOTIFY: NONE

WN21 W-1: CONNECT TO EX. 8-IN MAIN AT RUSSELL ST. & AMOTH CT CONDOS
ISOLATION VALVES: V-27 RUSSELL STREET AND V-29 AMOTH COURT
NOTIFY: KENNEDY COURT CONDO ASSOCIATION (18 UNITS)

WN22 W-1: CUT-OFF & CONNECT TO EX. 6-IN MAIN AT RUSSELL ST. & WINNEBAGO ST.
ISOLATION VALVES: V-7 AT FIRST ST AND WINNEBAGO ST, V-28 AT RUSSELL ST AND WINNEBAGO ST, V-5 AT ATWOOD AND WINNEBAGO ST, AND V-7340 AT SECOND ST AT AND WINNEBAGO ST, V-9 (CLOSED) AT WINNEBAGO ST AND FIRST ST, AND SV-8468 AT WINNEBAGO ST AND RUSSELL ST
NOTIFY: 1835 THROUGH 1967 WINNEBAGO ST, 2001 ATWOOD AVE

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: 1" = 100'
DESIGNED BY: TDP
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 4/27/22

CONTRACT NO: 8624

RUSSELL STREET ASSESSMENT DISTRICT - 2022
WATER IMPACT PLAN RUSSELL STREET
CITY OF MADISON, WISCONSIN



13708
W-2

M:\DESIGN\PROJECTS\13708\CAD\WATER\13708 WU-IMPACT PLAN.DWG



CONSTRUCTION NOTES:

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR 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.
4. THE EXISTING UTILITIES SHOWN ON THIS REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

- WN1 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.

WATER UTILITY ULO SCHEDULE

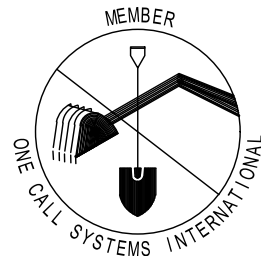
ULO UTILITY STATION OFFSET SHEET

PAY ITEM ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	20	LNFT
70003	FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	480	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	1	EACH
70032	FURNISH AND INSTALL 8-INCH WATER VALVE	2	EACH
70040	FURNISH AND INSTALL AND SALVAGE HYDRANT	1	EACH
70080	CUT-IN OR CONNECT TO EXISTING WATER SYSTEM	3	EACH
70082	CUT OFF EXISTING WATER MAIN	2	EACH
70090	ABANDON WATER VALVE BOX	2	EACH
70101	FURNISH AND INSTALL STYROFOAM	5	EACH
70104	ADJUST WATER VALVE BOX	1	EACH
70111	FURNISH & INSTALL ANODE	2	EACH
71001	4-IN MJ CAP	1	EACH
71002	8-IN MJ CAP	1	EACH
71123	8-IN 45° BEND	3	EACH
71208	6X6-IN TEE	1	EACH
71210	8X6-IN TEE	1	EACH
71211	8X8-IN TEE	1	EACH

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.

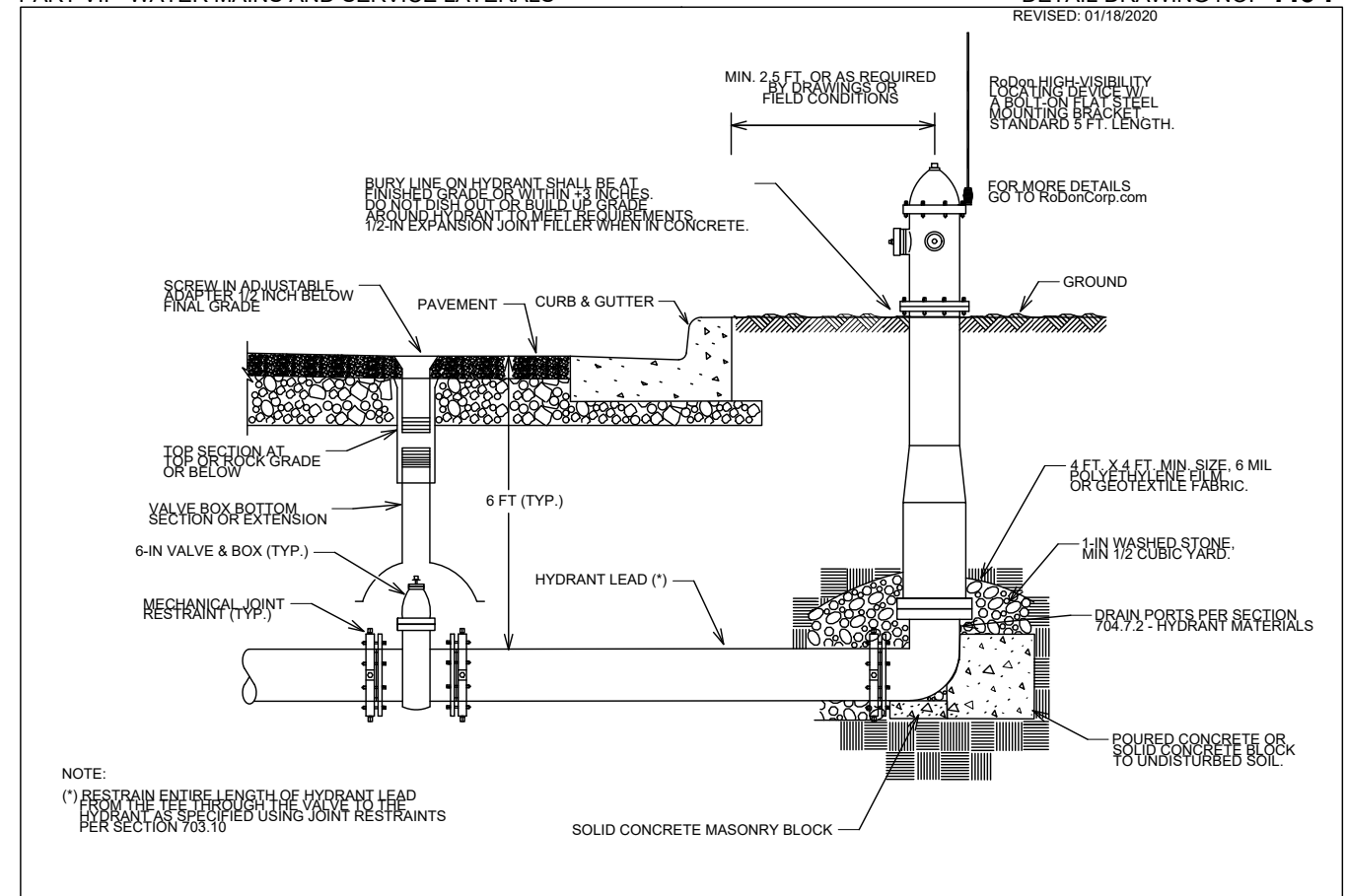


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 01/18/2020



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

RUSSELL STREET ASSESSMENT DISTRICT - 2022

WATER ESTIMATE OF MATERIALS

CITY OF MADISON, WISCONSIN

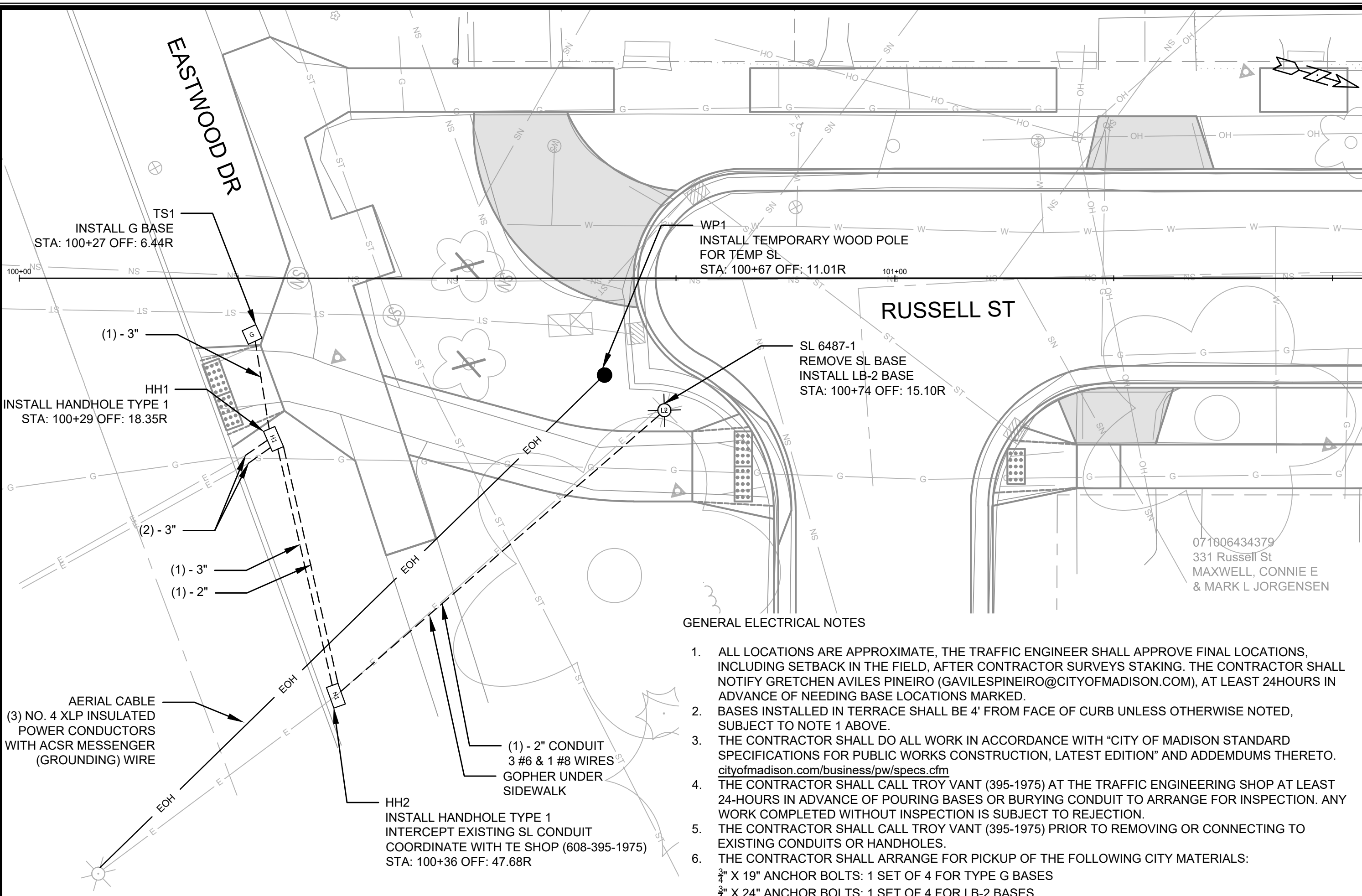
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 DESIGNED BY: TDP
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 4/5/22

CONTRACT NO: 8624



13708

W-3



INSTALL G BASE
STA: 100+27 OFF: 6.44R

WP1
INSTALL TEMPORARY WOOD POLE
FOR TEMP SL
STA: 100+67 OFF: 11.01R

SL 6487-1
REMOVE SL BASE
INSTALL LB-2 BASE
STA: 100+74 OFF: 15.10R

INSTALL HANDHOLE TYPE 1
STA: 100+29 OFF: 18.35R

AERIAL CABLE
(3) NO. 4 XLP INSULATED
POWER CONDUCTORS
WITH ACSR MESSENGER
(GROUNDING) WIRE

HH2
INSTALL HANDHOLE TYPE 1
INTERCEPT EXISTING SL CONDUIT
COORDINATE WITH TE SHOP (608-395-1975)
STA: 100+36 OFF: 47.68R

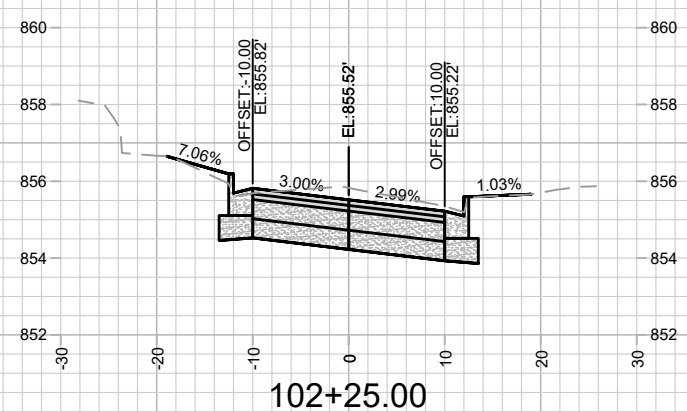
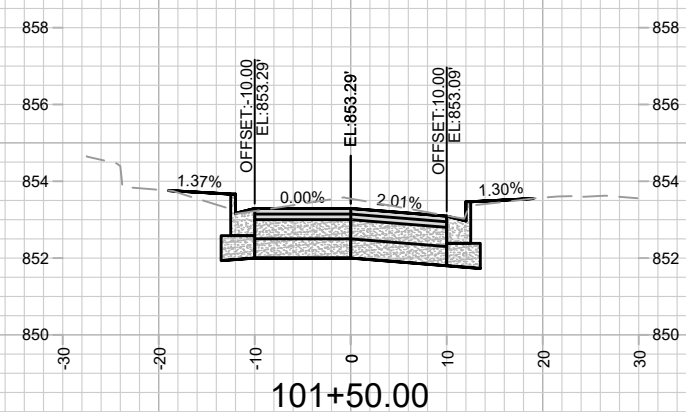
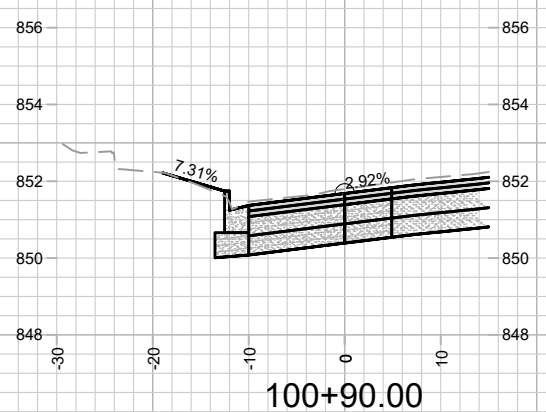
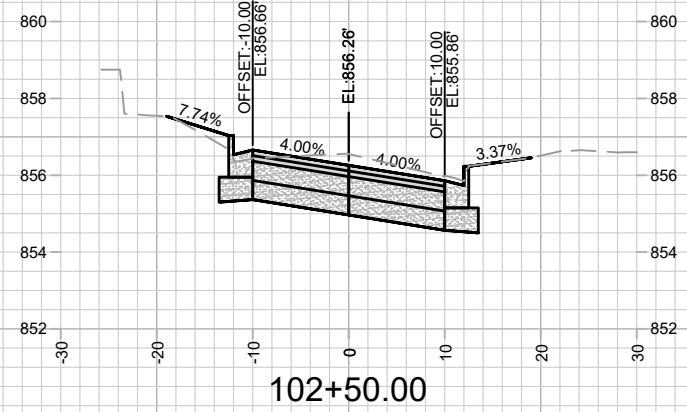
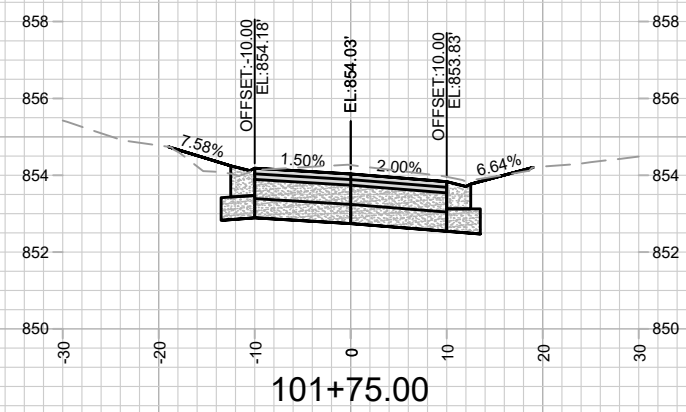
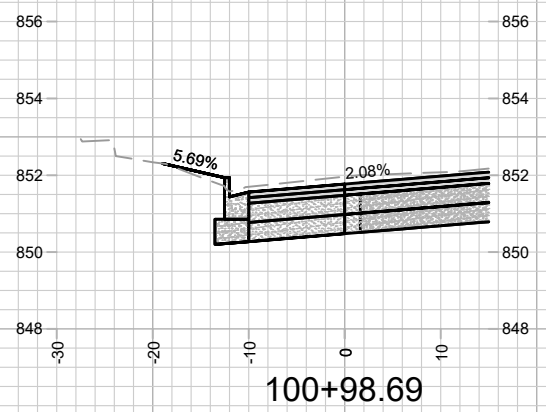
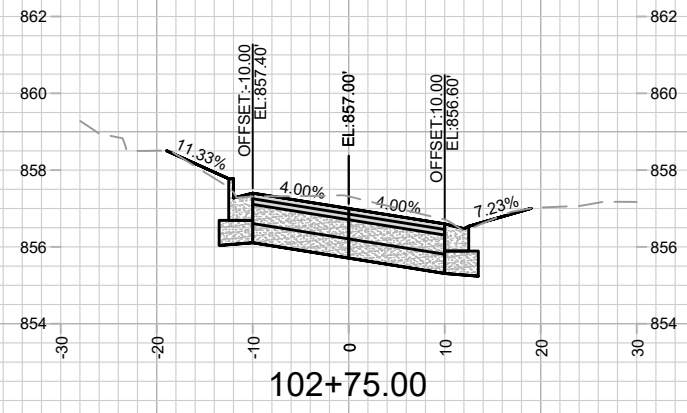
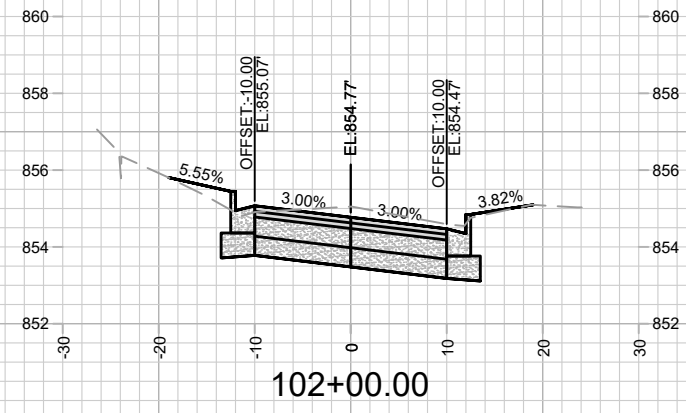
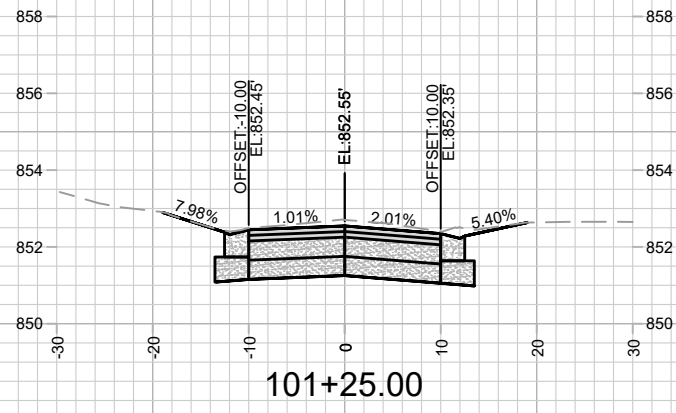
(1) - 2" CONDUIT
3 #6 & 1 #8 WIRES
GOPHER UNDER
SIDEWALK

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 ADDEMDUMS THERETO. cityofmadison.com/business/pw/specs.cfm
4. THE CONTRACTOR SHALL CALL TROY VANT (395-1975) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
5. THE CONTRACTOR SHALL CALL TROY VANT (395-1975) PRIOR TO REMOVING OR CONNECTING TO EXISTING CONDUITS OR HANDHOLES.
6. THE CONTRACTOR SHALL ARRANGE FOR PICKUP OF THE FOLLOWING CITY MATERIALS:
 3/4" X 19" ANCHOR BOLTS: 1 SET OF 4 FOR TYPE G BASES
 3/4" X 24" ANCHOR BOLTS: 1 SET OF 4 FOR LB-2 BASES

071006434379
331 Russell St
MAXWELL, CONNIE E
& MARK L JORGENSEN

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ELECTRICAL PLAN									
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MADISON, WI									
CONTRACT NO: 8624									
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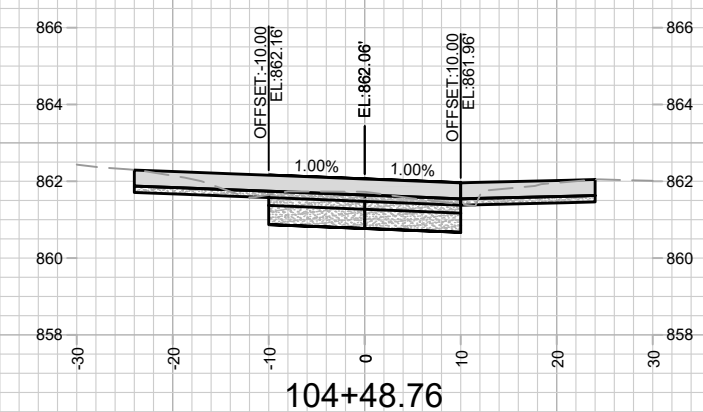
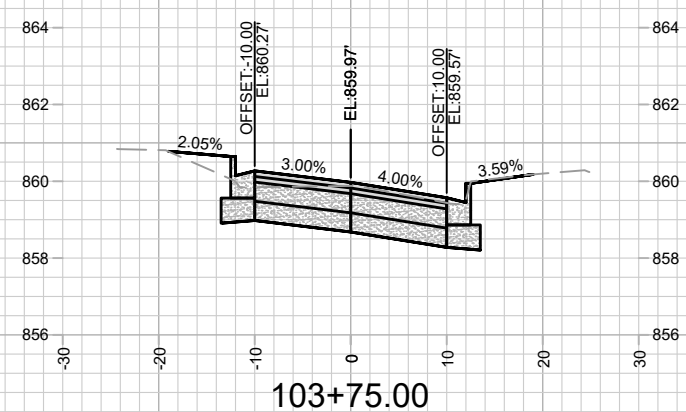
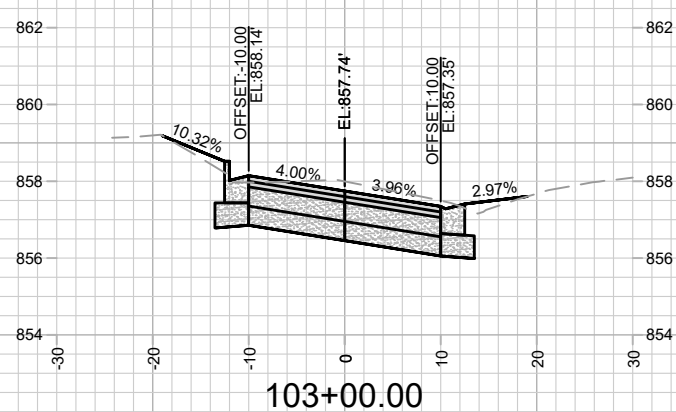
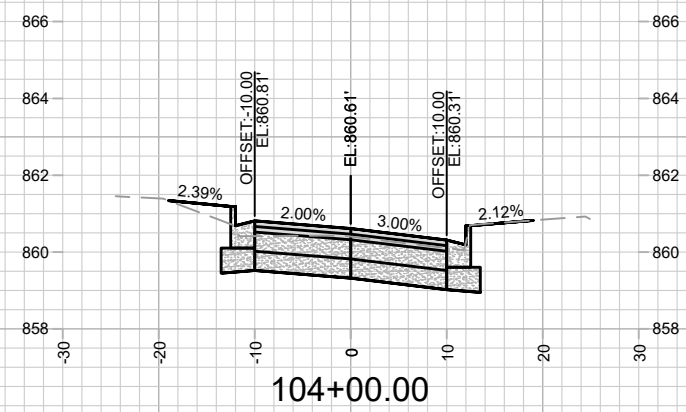
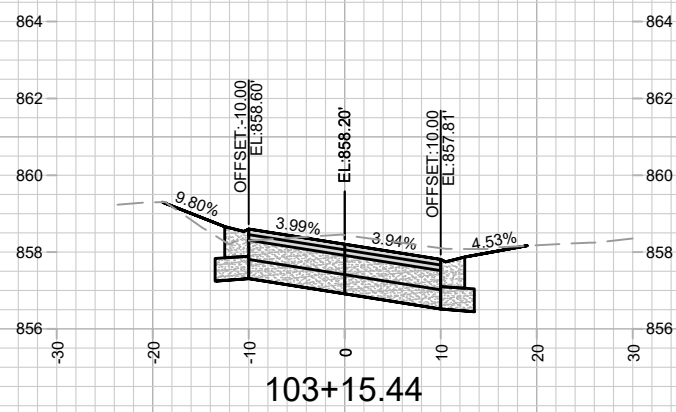
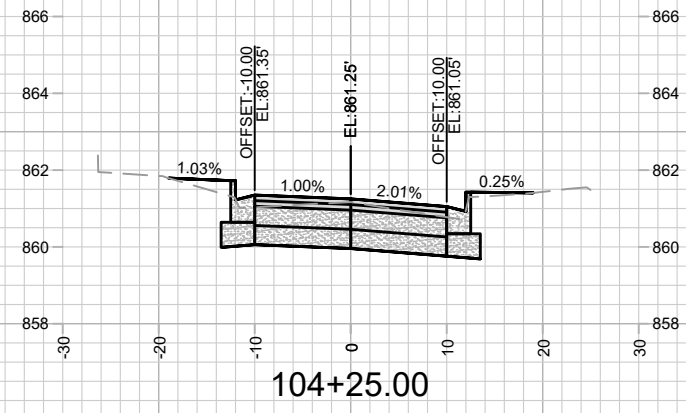
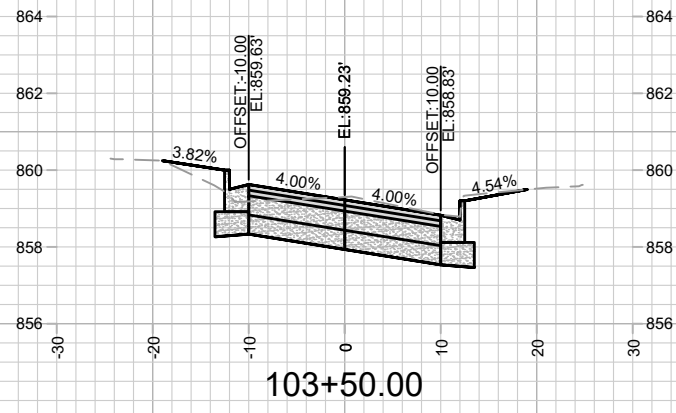


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 8624
 CONTRACT NO:
 CROSS SECTIONS - RUSSELL ST
 RUSSELL STREET ASSESSMENT DISTRICT - 2022
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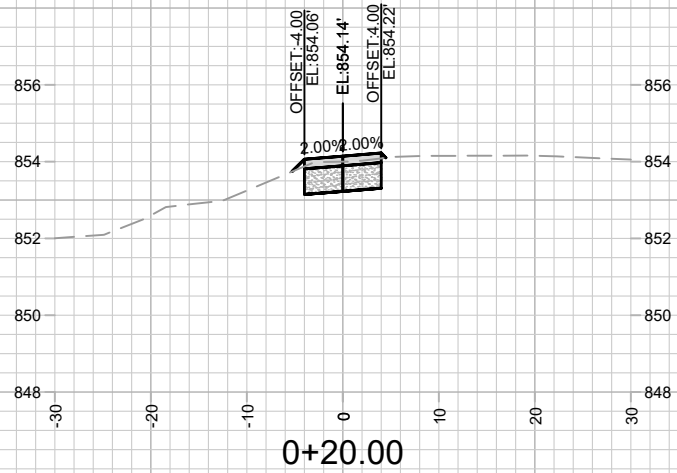
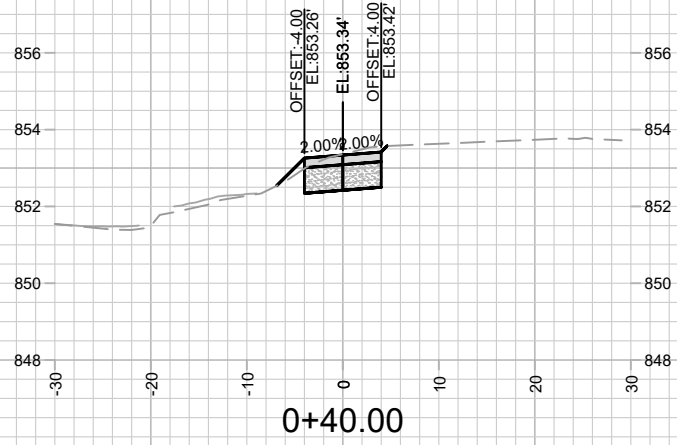
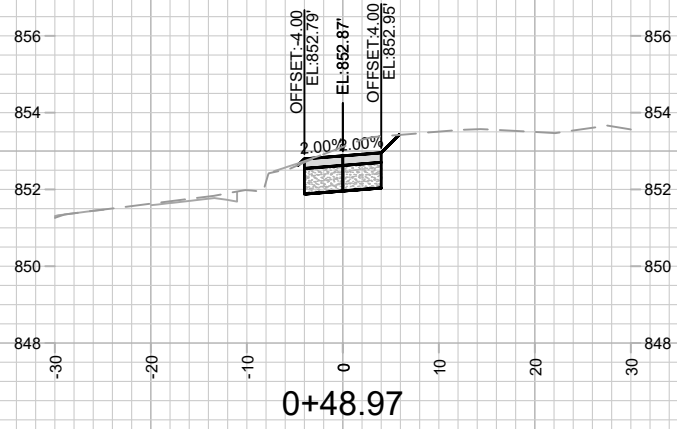


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RUSSELL STREET ASSESSMENT DISTRICT - 2022
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CROSS SECTIONS - SHARED USE PATH

RUSSELL STREET ASSESSMENT DISTRICT - 2022

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