

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

INDEX OF SHEETS

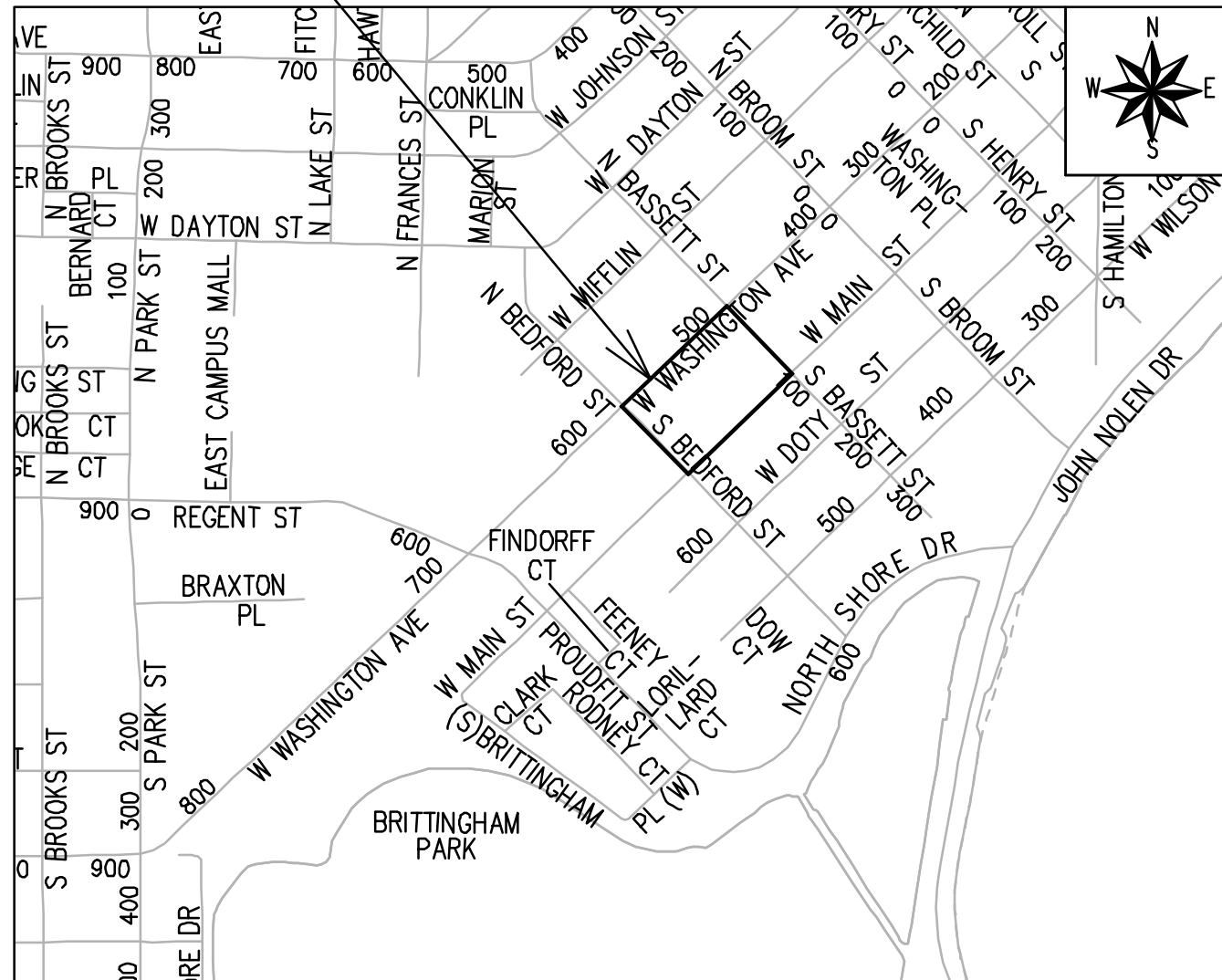
SHEET NO.	TITLE
1	
D1	STANDARD NOTES
D2	TYPICAL SECTIONS
P1	PLAN & PROFILE
U1-U3	UTILITIES PLAN & PROFILE
U4	STORM SEWER SCHEDULE
X1	CROSS SECTIONS

NO MAINTENANCE PLAN REQUIRED

531 W WASHINGTON AVENUE

CITY PROJECT NO. 14500
CONTRACT NO. 9274

PROJECT LOCATION



Revised 2/14/2024
Sheet P1
Sheets U1-U4
Sheet X1

PUBLIC IMPROVEMENT PROJECT
APPROVED

APPROVED DATE: FEBRUARY 28, 2023

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

Jan 8, 2024

City Engineer

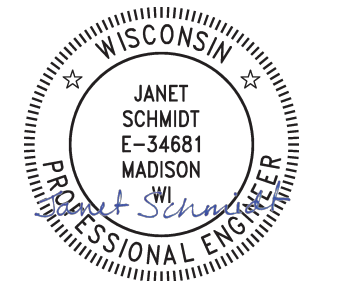
Date

STREET
DESIGNED BY:



Jan 8, 2024

STORM SEWER
DESIGNED BY:



Jan 8, 2024

WATER
DESIGNED BY:

LATERALS
ONLY

SANITARY SEWER
DESIGNED BY:

LATERALS
ONLY

PLOT SCALE: 1 IN=1 FT_XREF

PLOT NAME: ----

REV. DATE: 9/8/2023 10:58 AM

ORIGINATOR: CITY_OF_MADISON

THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY. THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.




NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE DEVELOPER HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6-2, REFERRING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

DEVELOPER MUST SUBMIT A TRAFFIC CONTROL PLAN TO CITY TRAFFIC ENGINEERING AT LEAST 14 DAYS PRIOR TO THE START OF WORK. WORK SHALL NOT PROCEED UNTIL AN APPROVED TRAFFIC CONTROL PLAN IS IN PLACE.

CONTACT THE PROJECT ENGINEER AND DESIGNER, FADI EL MUSA, AT FELMUSAGONZALEZ@CITYOFMADISON.COM FOR CAD FILES AND ALIGNMENT DATA PRIOR TO STAKING.

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	

UNDERDRAINS SHALL BE INSTALLED PER STANDARD DETAIL DRAWING 4.05 FOR 75' ON EACH SIDE OF THE LOW POINT, OR TO THE NEAREST CURB HIGH POINT. ALL UNDERDRAIN SHALL BE WRAPPED.

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADE OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL TYPICALLY BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.04. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4:1. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

OBTAIN A PRINT OUT OF THE ALIGNMENTS FROM THE CITY PROJECT ENGINEER PRIOR TO STAKING THIS PROJECT. THE CITY PROJECT ENGINEER IS FADI EL MUSA, EMAIL: FELMUSAGONZALEZ@CITYOFMADISON.COM

CURB STATION AND OFFSETS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK UNLESS OTHERWISE INDICATED ON THE PLANS.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS RIGHT-OF-WAY PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO S.D.D 3.05.

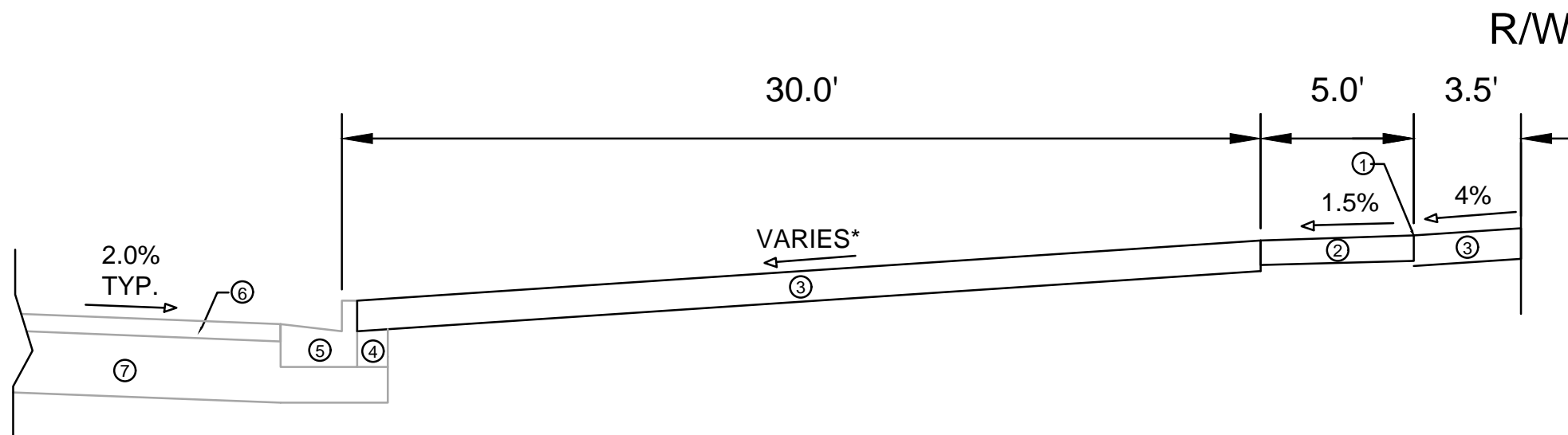
ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION LATEST EDITION.

ALL PROPOSED IMPROVEMENTS IN THE RIGHT-OF-WAY ARE BASED ON SURVEY DATA PROVIDED BY THE DEVELOPER OR ITS CONSULTANT. IN THE CASE THAT THE PROPOSED IMPROVEMENTS CAN NOT BE INSTALLED PER THESE PLANS OR THE CITY OF MADISON STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION, THE DEVELOPER SHALL BE RESPONSIBLE FOR THE COST OF EXTRA WORK DUE TO INACCURACIES OF THE SURVEY.

ALL UTILITY VERIFICATIONS AND ACCURACY OF THE DRAWINGS ARE THE RESPONSIBILITY OF THE DEVELOPER. ANY CONFLICTS THAT ARISE FROM MISSING OR ERRONEOUS INFORMATION WILL BE AT THE EXPENSE OF THE DEVELOPER. NO PRECAST STRUCTURES WILL BE APPROVED FOR STORM OR SANITARY SEWER UNTIL ALL POTENTIAL UTILITY CONFLICTS ARE RESOLVED.

IN LOCATIONS WHERE PAVEMENT RESTORATION IS NOT IDENTIFIED ADJACENT TO CURB AND GUTTER REPLACEMENT, IT IS ASSUMED THAT CURB AND GUTTER WILL BE REPLACED WITHOUT DAMAGING ADJACENT PAVEMENT. IF DAMAGED, THE MILL AND OVERLAY LIMITS SHALL BE EXTENDED BY THE CITY CONSTRUCTION ENGINEER AS NECESSARY TO MEET THE STANDARD PATCHING CRITERIA.

STANDARD NOTES	14500	MADISON, WI	9274	D-1
				CONTRACT NO:
				14500
				D-1
				531 W WASHINGTON AVE
				M:\DESIGN\Projects\14500\CAD\Streets\14500EN-Details.dwg
				14500
				D-1



TYPICAL SECTION
W. WASHINGTON AVE. - SIDEWALK

SPECIAL NOTES:

*SEE X-SHEETS FOR CROSS SLOPES

- ① POINT REFERRED TO ON PROFILE.
- ② 5" CONCRETE SIDEWALK, 7" AT DRIVEWAYS.
- ③ 6" TOPSOIL, SEED AND MAT.
- ④ EXISTING FILL TO REMAIN, INSTALL AT CURB REPLACEMENT LOCATIONS.
- ⑤ EXISTING CURB & GUTTER TYPE A, REPLACE AT LOCATIONS SHOWN IN P SHEETS OR AS DETERMINED BY THE ENGINEER.
- ⑥ EXISTING ASPHALTIC PAVEMENT TO REMAIN.
- ⑦ EXISTING ROAD BASE TO REMAIN.

MARK	REVISION	DATE	BY
14500	11/28/2023	10:27 AM	Scarle

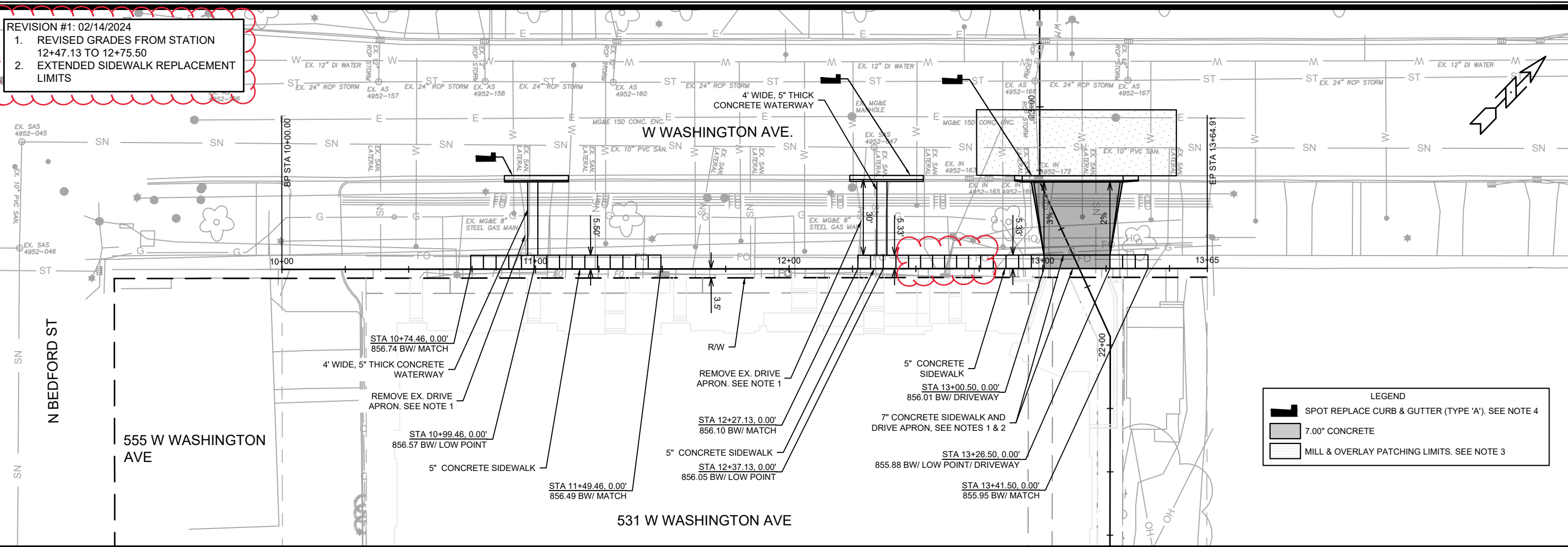
14500
MADISON, WI
9274
CONTRACT NO:

TYPICAL SECTIONS
531 W WASHINGTON AVE
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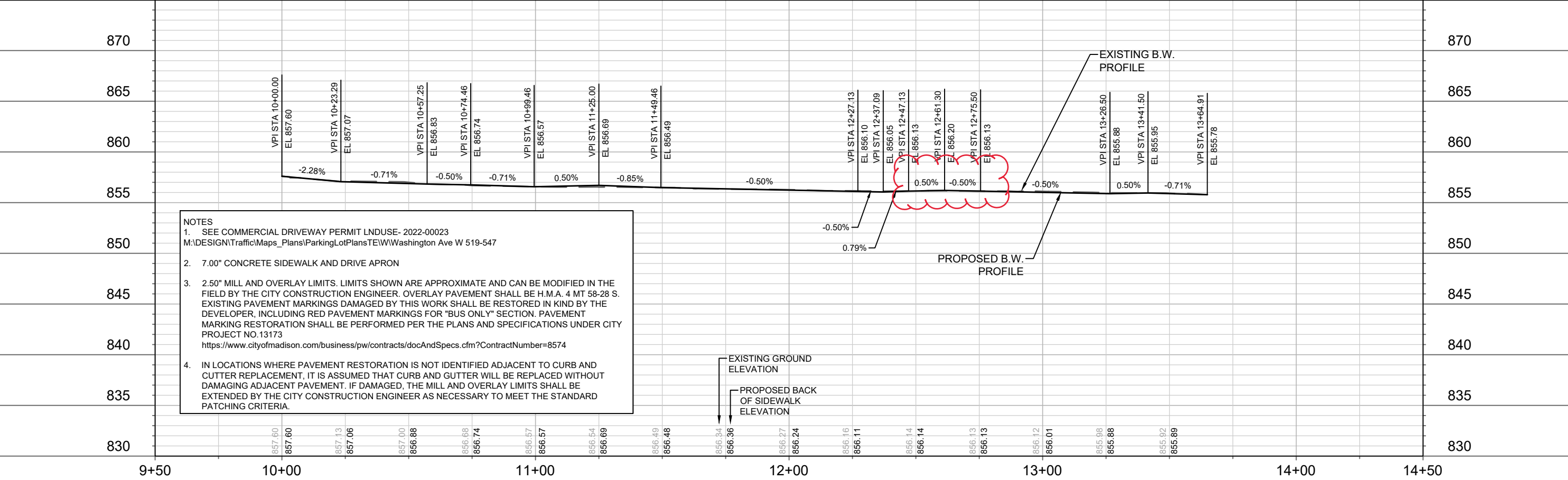
14500
D-2

REVISION #1: 02/14/2024
 1. REVISED GRADES FROM STATION 12+47.13 TO 12+75.50
 2. EXTENDED SIDEWALK REPLACEMENT LIMITS



LEGEND

- SPOT REPLACE CURB & GUTTER (TYPE 'A'). SEE NOTE 4
- 7.00" CONCRETE
- MILL & OVERLAY PATCHING LIMITS. SEE NOTE 3

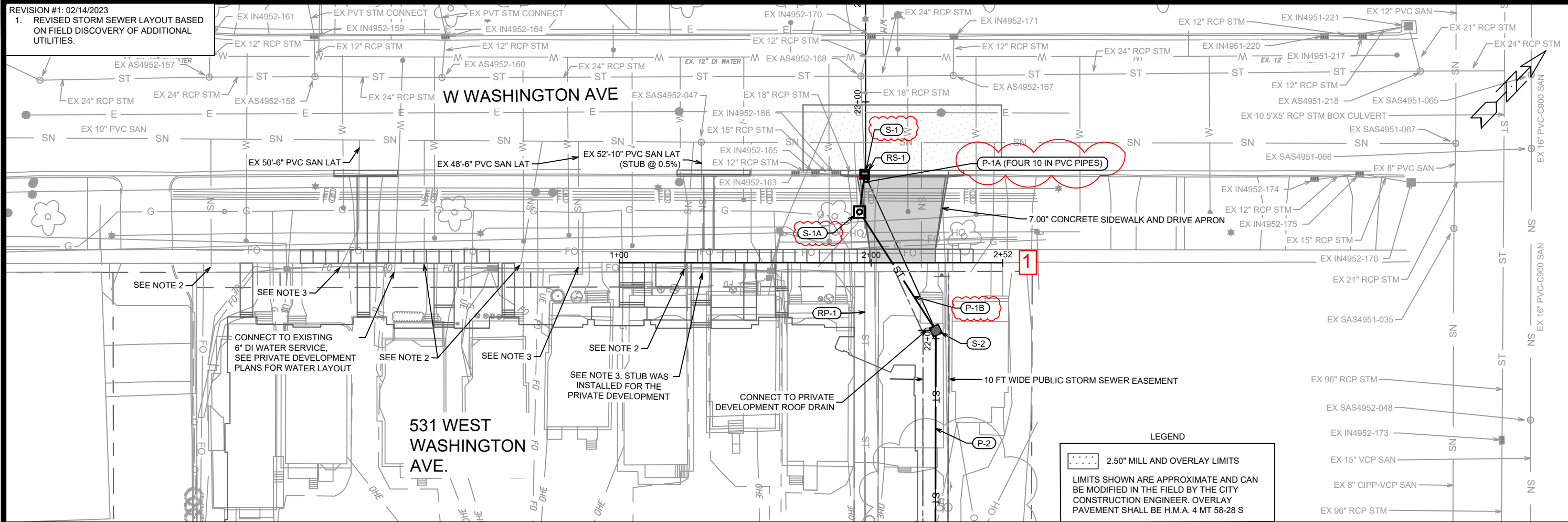


NOTES

- SEE COMMERCIAL DRIVEWAY PERMIT LNDUSE- 2022-00023
 M:\DESIGN\Traffic\Maps_Plans\ParkingLotPlans\TE\W\Washington Ave W 519-547
- 7.00" CONCRETE SIDEWALK AND DRIVE APRON
- 2.50" MILL AND OVERLAY LIMITS. LIMITS SHOWN ARE APPROXIMATE AND CAN BE MODIFIED IN THE FIELD BY THE CITY CONSTRUCTION ENGINEER. OVERLAY PAVEMENT SHALL BE H.M.A. 4 MT 58-28 S. EXISTING PAVEMENT MARKINGS DAMAGED BY THIS WORK SHALL BE RESTORED IN KIND BY THE DEVELOPER, INCLUDING RED PAVEMENT MARKINGS FOR "BUS ONLY" SECTION. PAVEMENT MARKING RESTORATION SHALL BE PERFORMED PER THE PLANS AND SPECIFICATIONS UNDER CITY PROJECT NO. 13173
<https://www.cityofmadison.com/business/pw/contracts/docAndSpecs.cfm?ContractNumber=8574>
- IN LOCATIONS WHERE PAVEMENT RESTORATION IS NOT IDENTIFIED ADJACENT TO CURB AND CUTTER REPLACEMENT, IT IS ASSUMED THAT CURB AND GUTTER WILL BE REPLACED WITHOUT DAMAGING ADJACENT PAVEMENT. IF DAMAGED, THE MILL AND OVERLAY LIMITS SHALL BE EXTENDED BY THE CITY CONSTRUCTION ENGINEER AS NECESSARY TO MEET THE STANDARD PATCHING CRITERIA.

14500	MADISON, WI	9274	CONTRACT NO.:
PLAN & PROFILE - W WASHINGTON AVENUE 531 W WASHINGTON AVE M:\DESIGN\Projects\14500\CAD\Streets\14500EN-PnP.dwg			
14500	P-1		

REVISION #1: 02/14/2023
 1. REVISED STORM SEWER LAYOUT BASED ON FIELD DISCOVERY OF ADDITIONAL UTILITIES.

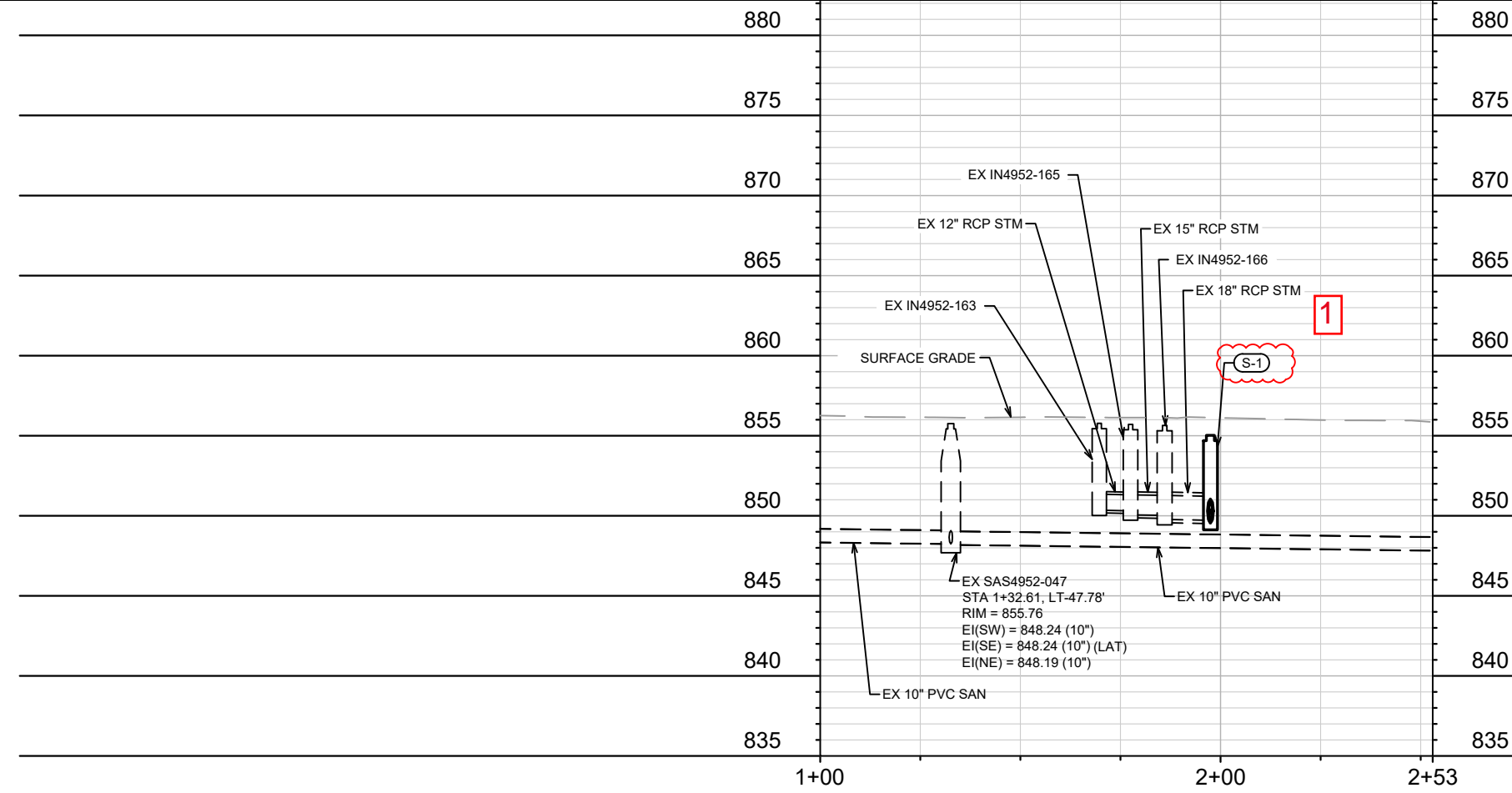


LEGEND

2.50" MILL AND OVERLAY LIMITS

LIMITS SHOWN ARE APPROXIMATE AND CAN BE MODIFIED IN THE FIELD BY THE CITY CONSTRUCTION ENGINEER. OVERLAY PAVEMENT SHALL BE H.M.A. 4 MT 58-28 S

- NOTES**
- EXISTING SANITARY LATERALS WERE REPLACED DURING THE 2021 WEST WASHINGTON AVE. RECONSTRUCT AND ARE 6-INCH PVC UNLESS OTHERWISE SPECIFIED.
 - PLUG EXISTING LATERALS NOT PLANNED FOR FOR RE-USE IN ACCORDANCE WITH THE PROJECT SEWER PLUG PERMIT (ENGSRP-2023-00514).
 - LOCATE EXISTING LATERALS USING ELECTRONIC MARKER BALL AT PROPERTY LINE AND CONNECT TO PROPOSED PRIVATE DEVELOPMENT SANITARY (SEE PRIVATE DEVELOPMENT PLANS).
 - AREA SHOWN IS APPROXIMATE. ACTUAL LIMITS WILL BE DETERMINED BY THE CITY CONSTRUCTION ENGINEER.
 - ULOS SHALL BE PERFORMED AND THE INFORMATION SHALL BE PROVIDED TO THE PROJECT ENGINEER FOR REVIEW PRIOR TO UTILITY INSTALLATION ALONG WEST WASHINGTON AVENUE.
 - CONTRACTOR SHALL FIELD VERIFY ELEVATIONS PRIOR TO CONSTRUCTION.

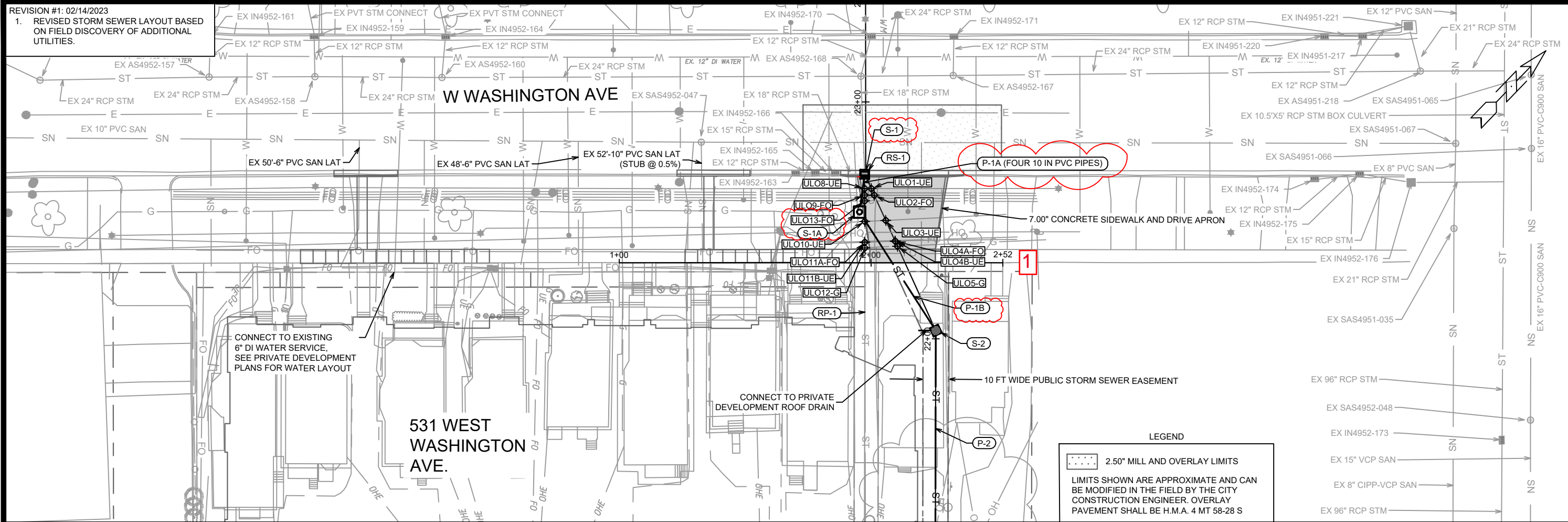


REV	DATE	BY
1	2/14/24	EAC

14500
 MADISON, WI
 CONTRACT NO: 9274

UTILITIES PLAN & PROFILE - WEST WASHINGTON AVENUE (SEWER PLUGS)
 531 WEST WASHINGTON AVENUE
 M:\DESIGN\Projects\14500\CAD\Sewers\14500SWR-PipeNetwork_REV1.dwg

REVISION #1: 02/14/2023
 1. REVISED STORM SEWER LAYOUT BASED ON FIELD DISCOVERY OF ADDITIONAL UTILITIES.



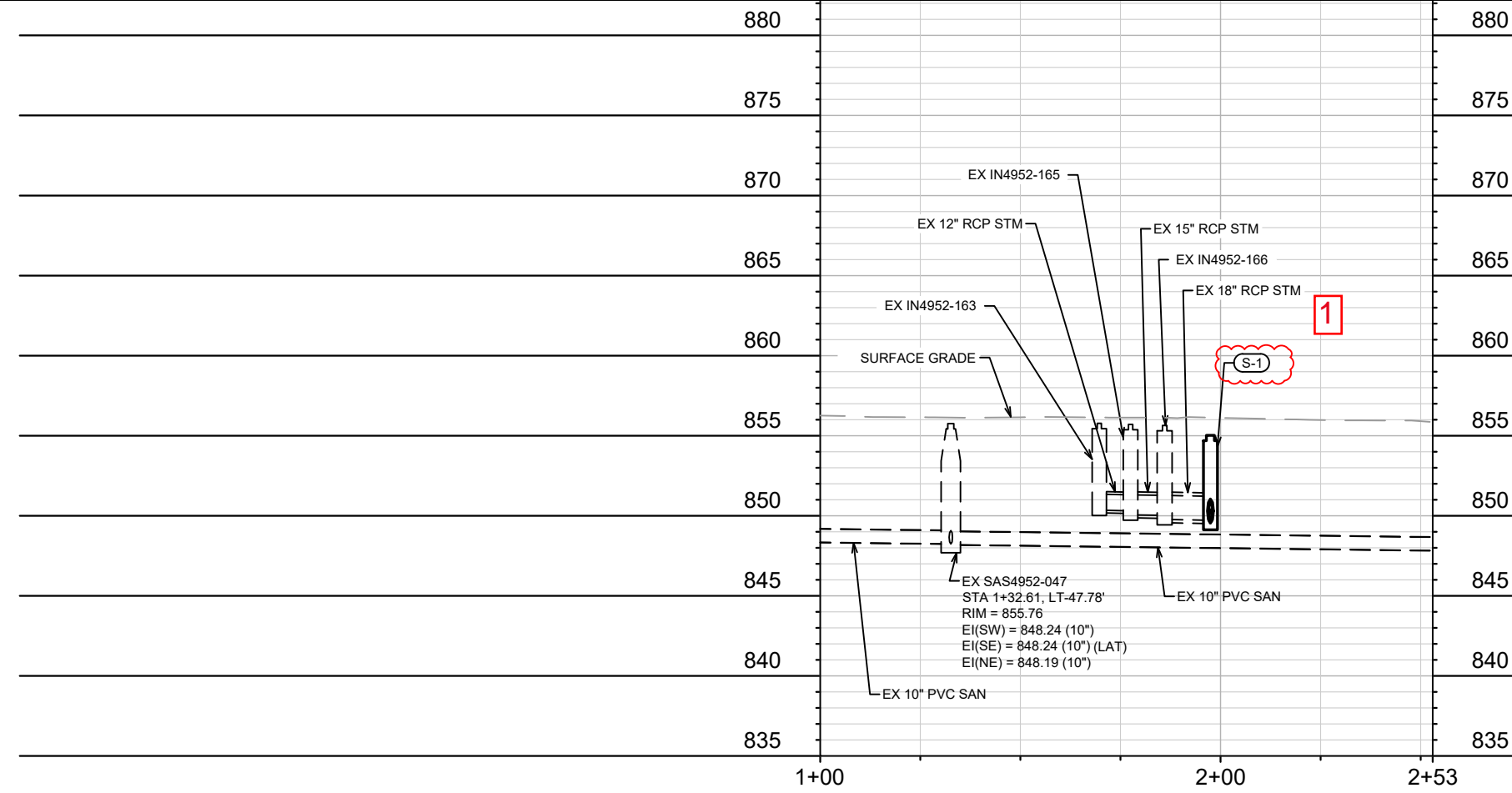
LEGEND

2.50\"/>

LIMITS SHOWN ARE APPROXIMATE AND CAN BE MODIFIED IN THE FIELD BY THE CITY CONSTRUCTION ENGINEER. OVERLAY PAVEMENT SHALL BE H.M.A. 4 MT 58-28 S

NOTES

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- CONTRACTOR SHALL FIELD VERIFY ELEVATIONS PRIOR TO CONSTRUCTION.



MARK	REVISION	DATE	BY
1	STORM SEWER REVISION - FIELD ULOS	2/14/24	EAC

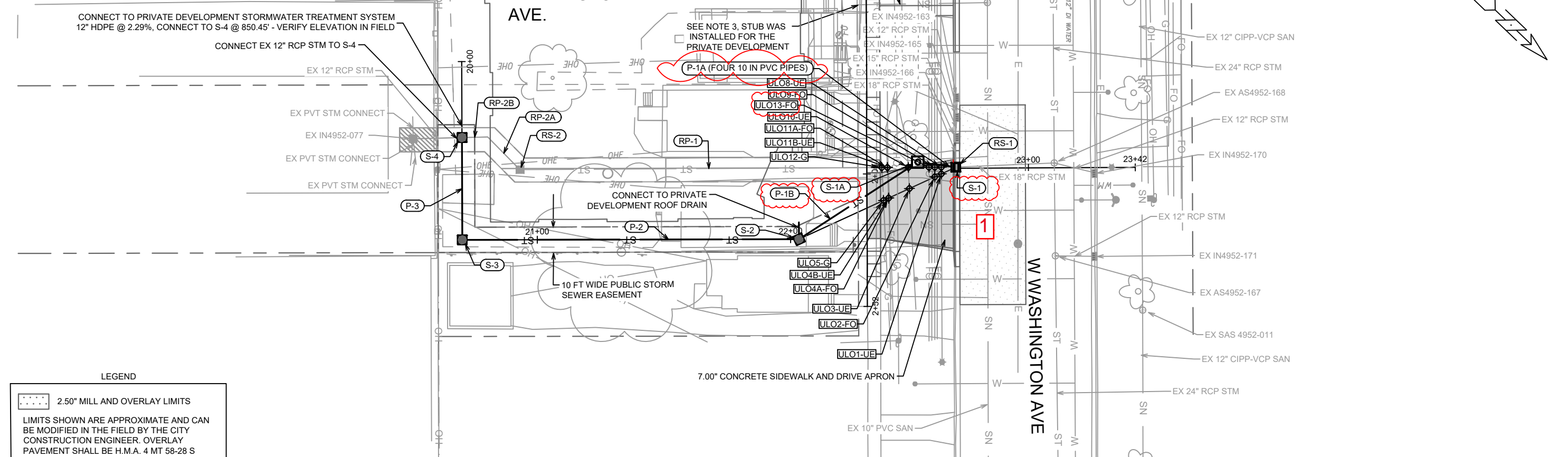
14500
 MADISON, WI
 CONTRACT NO.: 9274

UTILITIES PLAN & PROFILE - WEST WASHINGTON AVENUE (ULOS)
 531 WEST WASHINGTON AVENUE
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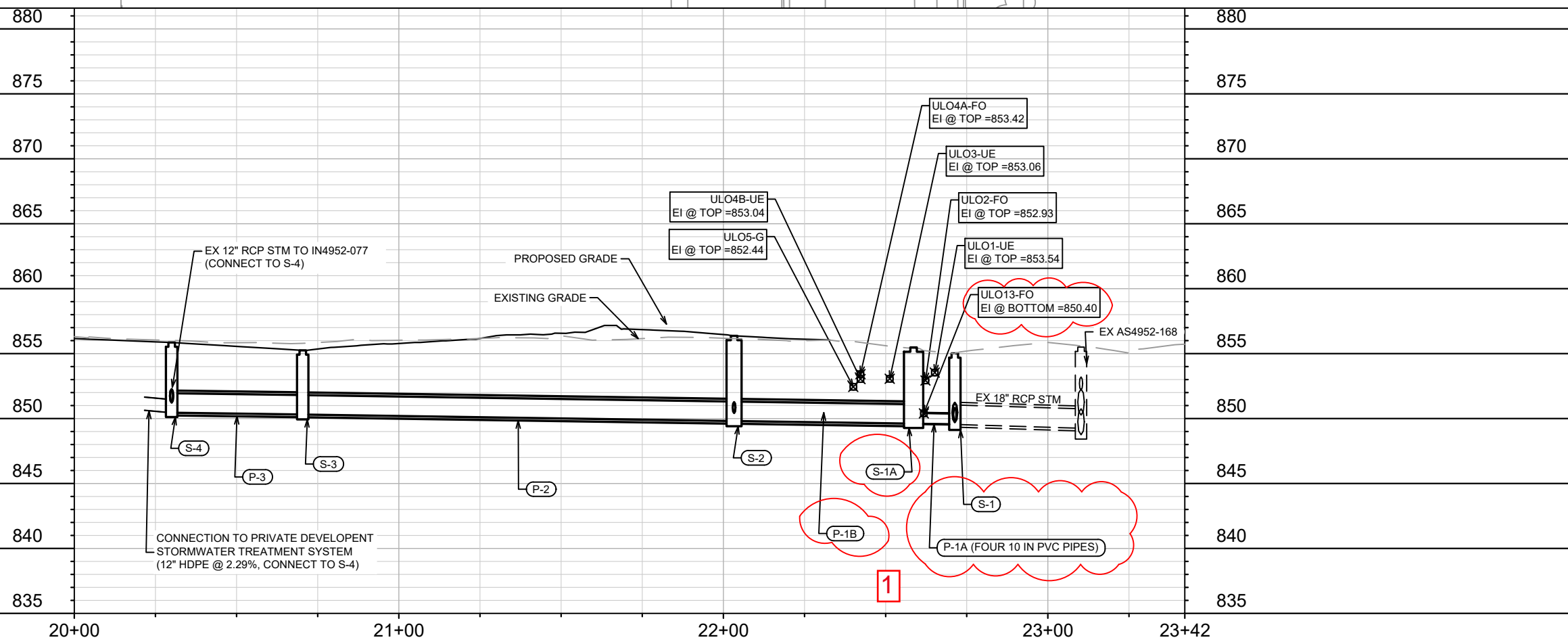
14500
 U-2

REVISION #1: 02/14/2023
 1. REVISED STORM SEWER LAYOUT BASED ON FIELD DISCOVERY OF ADDITIONAL UTILITIES.



LEGEND
 2.50" MILL AND OVERLAY LIMITS
 LIMITS SHOWN ARE APPROXIMATE AND CAN BE MODIFIED IN THE FIELD BY THE CITY CONSTRUCTION ENGINEER. OVERLAY PAVEMENT SHALL BE H.M.A. 4 MT 58-28 S

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14500	14500	14500	14500	14500	14500	14500	14500	14500	14500
MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI
9274	9274	9274	9274	9274	9274	9274	9274	9274	9274
14500		14500		14500		14500		14500	
U-3		U-3		U-3		U-3		U-3	

UTILITIES PLAN & PROFILE - EASEMENT STORM
531 WEST WASHINGTON AVENUE
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 CONTRACT NO: 9274
 14500
 U-3



STORM SEWER SCHEDULE

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
NEW WEST WASHINGTON AVENUE STORM EASEMENT							
● S-1	22+71.33'	LT-0.44	3X3 SAS	855.02	849.55	5.47	[1] [2] [3] [7]; FP; W/R-3290-A
● S-1A	22+58.62	LT-8.10	4X4 SAS	855.48	849.61	5.87	[7]; FP; W/R-1550-0054
● S-2	22+03.31'	CL	3X3 SAS	856.37	849.81	6.56	[4]; R-1878-B7G
● S-3	20+70.40'	CL	3X3 SAS	855.25	850.31	4.94	LP; R-1878-B7G
S-4	20+30.00'	CL	3X3 SAS	855.86	850.45	5.41	[5] [6]; R-1878-B7G

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
NEW WEST WASHINGTON AVENUE STORM EASEMENT										
● P-1A	S-1	S-1A	849.55	849.61	15	12	0.50%	10"	PVC	[7]; 4 PIPES @ SAME SLOPE
● P-1B	S-1A	S-2	849.61	849.81	56	52	0.38%	18"	RCP	
● P-2	S-2	S-3	849.81	850.31	133	130	0.38%	18"	RCP	
● P-3	S-3	S-4	850.31	850.45	40.5	37.5	0.38%	18"	RCP	

STORM STRUCTURE REMOVALS & ABANDONMENTS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	DEPTH (FT)	NOTES
ORIGINAL WEST WASHINGTON AVENUE STORM EASEMENT						
RS-1	IN4952-172	22+71.33'	LT-0.44	H-INLET	5.71	[2]
RS-2	IN4952-076	20+42.75'	LT-22.87	3X3 SAS	5.22	

STORM PIPE REMOVALS & ABANDONMENTS

PIPE REMOVAL NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PAID (Y/N)	REM LGTH PAID (FT)	ABN LGTH (FT)	SLURRY (CY)	PIPE SIZE	PIPE TYPE	NOTES
ORIGINAL WEST WASHINGTON AVENUE STORM EASEMENT										
RP-1	RS-1	RS-2	172	N	172	-	-	12"	RCP	
RP-2A	RS-2	PIPE BEND	18	N	18	-	-	12"	RCP	
RP-2B	PIPE BEND	S-4	10	N	10	-	-	12"	RCP	

STORM SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ORIGINAL/NEW WEST WASHINGTON AVENUE STORM EASEMENT				
ULO1-UE	22+65.15'	CL	ELECTRIC	NO CONFLICT, >18" ABOVE - 1" ELEC, TOP @ 853.54'
ULO2-FO	22+62.28'	CL	FIBER OPTIC	NO CONFLICT, >18" ABOVE - 2" FO, TOP @ 852.93'
ULO3- UE	22+51.28'	CL	ELECTRIC	NO CONFLICT, >18" ABOVE - 1" ELEC, TOP @ 853.06'
ULO4A-FO	22+42.25'	CL	FIBER OPTIC	NO CONFLICT, >18" ABOVE - 0.5" FO, TOP @ 853.42'
ULO4B-UE	22+42.25'	CL	ELECTRIC	NO CONFLICT, >18" ABOVE - 1" ELEC, TOP @ 853.04'
ULO5-G	22+40.04'	CL	GAS	COORDINATE WITH MG&E, <18" ABOVE - 8" GAS, TOP @ 852.44'
ULO8-UE	22+66.23'	LT-2.40	ELECTRIC	AVOID DURING REMOVALS - 1" ELEC, TOP @ 853.54'
ULO9-FO	22+63.87'	LT-3.46	FIBER OPTIC	AVOID DURING REMOVALS - 2" FO, TOP @ 853.32'
ULO10-UE	22+54.38'	LT-7.75	ELECTRIC	AVOID DURING REMOVALS - 1" ELEC, TOP @ 853.06'
ULO11A-FO	22+46.83'	LT-11.16	FIBER OPTIC	AVOID DURING REMOVALS - 0.5" FO, TOP @ 853.42'
ULO11B-UE	22+46.83'	LT-11.16	ELECTRIC	AVOID DURING REMOVALS - 1" ELEC, TOP @ 853.04'
ULO12-G	22+44.81'	LT-12.08	GAS	AVOID DURING REMOVALS - 8" GAS, TOP @ 852.44'
● ULO13-FO	22+61.78	LT-4.41	FIBER OPTIC	[8]; RISK FOR CONFLICT, STAY BELOW DURING P-1A INSTALLATION - 4" FO, BOTTOM @ 850.40'

SPECIFIC NOTES

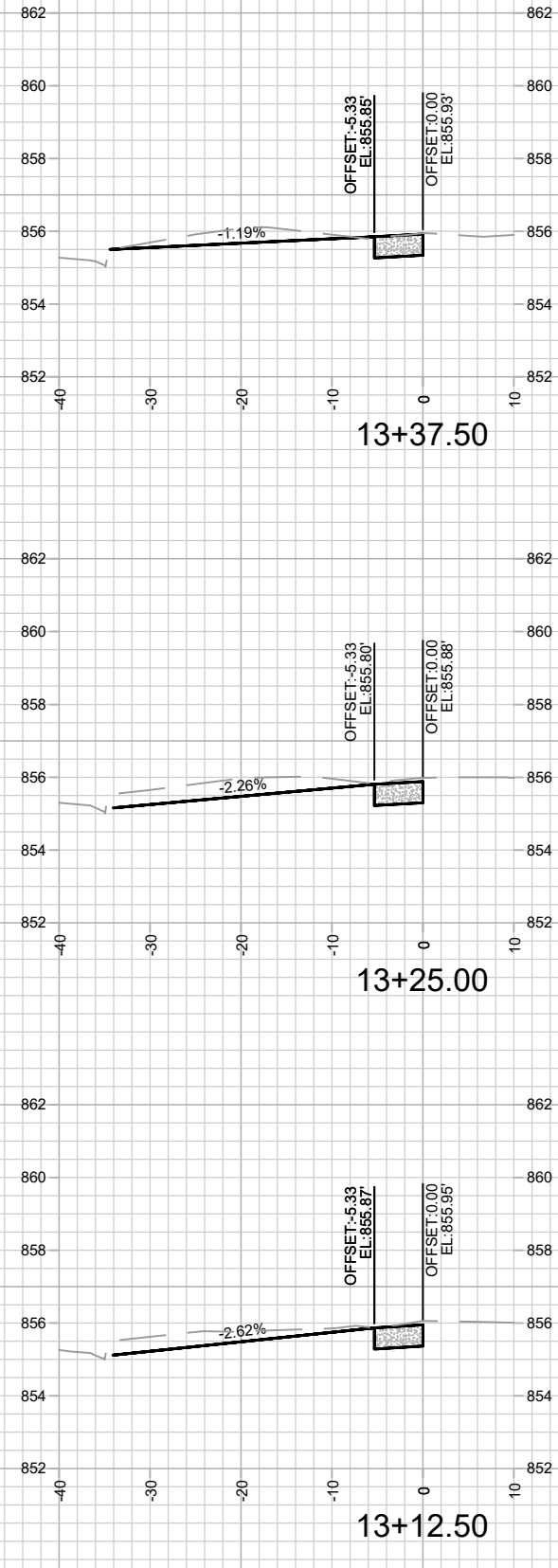
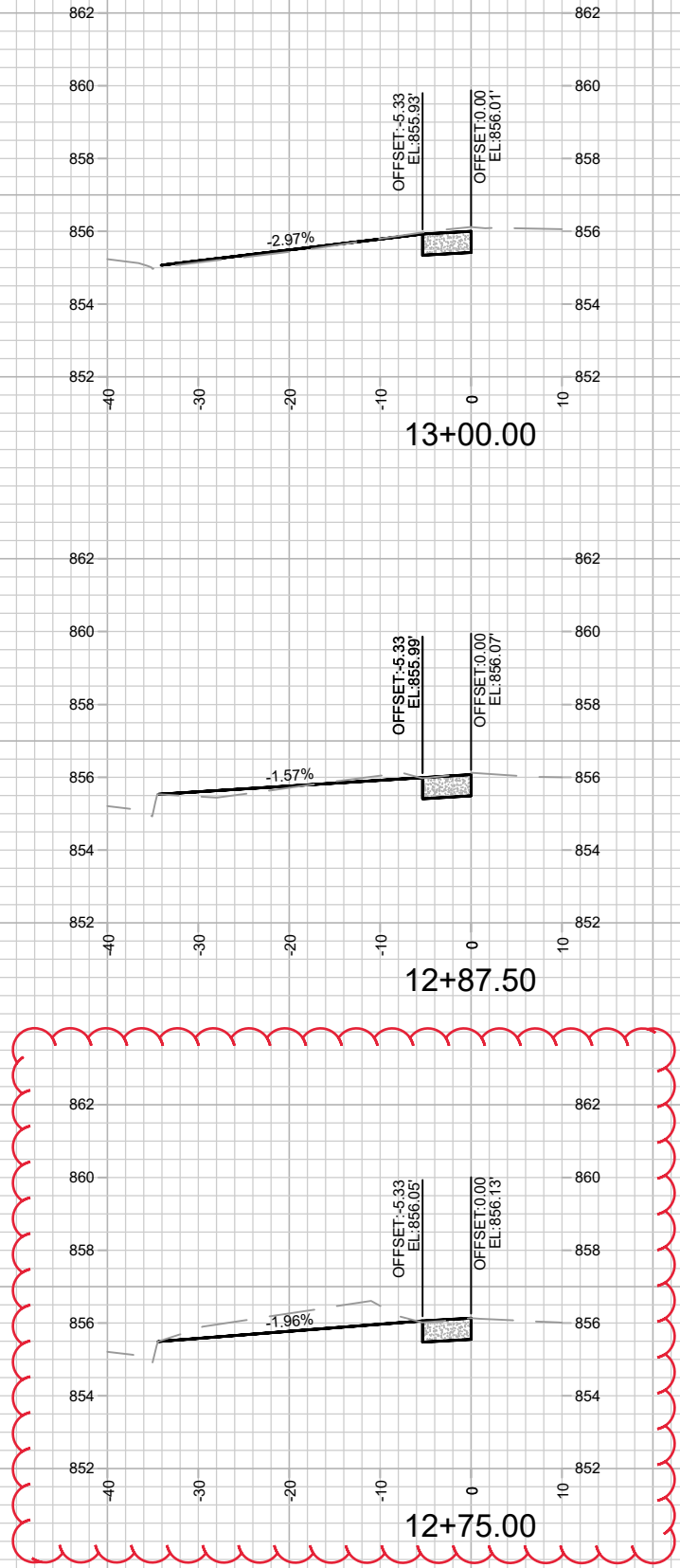
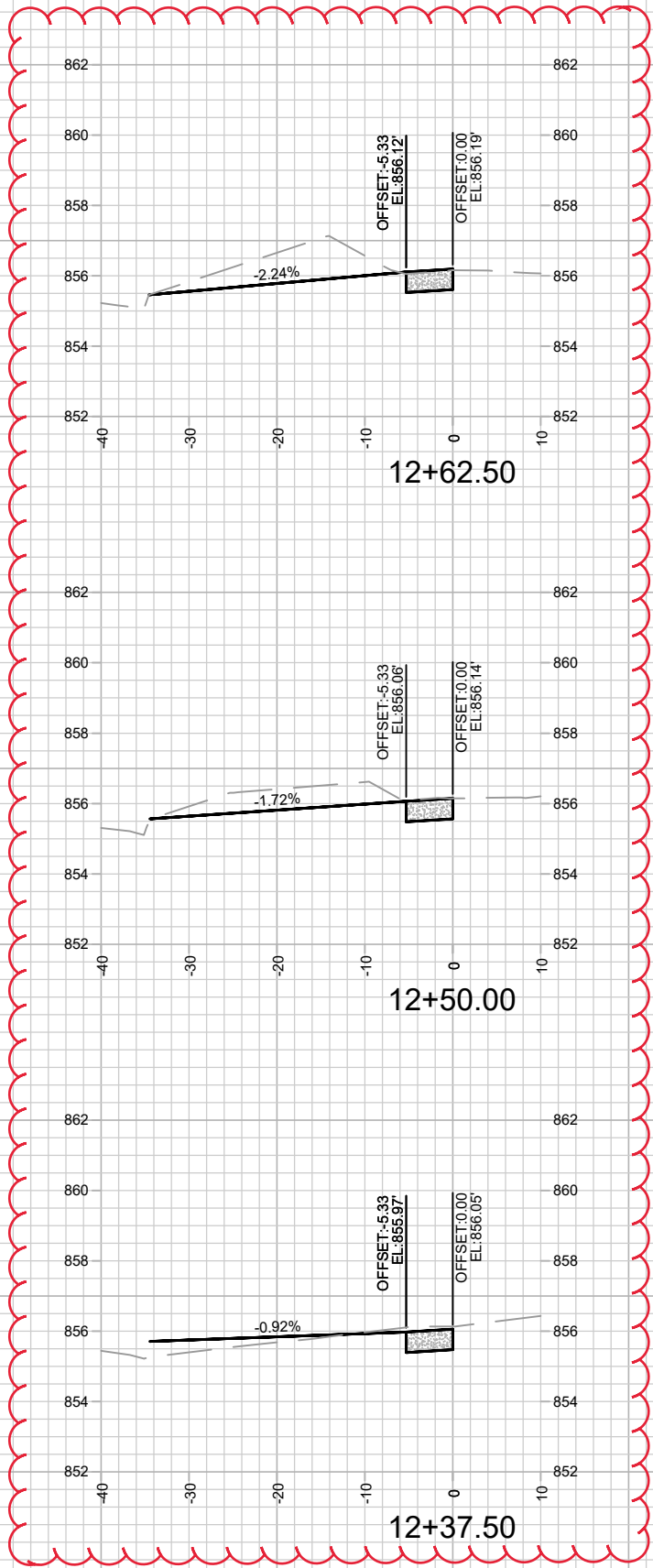
- [1] TOP OF CASTING ELEVATION TO MATCH BACK OF PROPOSED DRIVEWAY
- [2] RE-USE DRIVEWAY CASTING FROM RS-1 FOR S-1
- [3] CONNECT EX 18" RCP FROM IN4952-166, EI(SW) = 849.72
- [4] CONNECT PVT STORM FROM DEVELOPMENT ROOF DRAIN, EI(SW) = 850.43
- [5] CONNECT EX 12" RCP FROM IN4952-077, EI(SE) = 851.27
- [6] CONNECT PVT STORM FROM DEVELOPMENT STORMWATER TREATMENT SYSTEM, EI(SW) = 850.45
- [7] P-1A REPRESENTS FOUR 10" PVC PIPES @ EQUAL SLOPE. SLURRY FILL ANNULAR SPACE B/W 10" PIPES
- [8] ULO DATA OBTAINED FROM FIELD DISCOVERY

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 ERIC CEFALU OF CITY ENGINEERING AT (608) 243-5894 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO ECEFALU@CITYOFMADISON.COM.

REVISION #1: 02/14/2024
 1. ADDED CROSS SECTIONS



MARK	REVISION	DATE	BY
14500	14500	2/15/2024 9:07 AM	X-1

14500
 MADISON, WI
 9274
 CONTRACT NO:

CROSS SECTIONS
 531 W WASHINGTON AVE
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