

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

#### PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

OCTOBER 18, 2016

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

*Christy Boehm* 6-22-17  
City Engineer Date

STORM SEWER DESIGNED BY:



STREET DESIGNED BY:



SANITARY SEWER DESIGNED BY:

# SEE SHEET U3

*B'Davelop 6/22/17*

WATER DESIGNED BY:

# SERVICES ONLY

#### INDEX OF SHEETS

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1	DETAILS
DI-D2	DRIVEWAY, PLANTING & WATER CONNECTION PLAN
PI < G1	STORM SEWER PLAN & PROFILE < GRADING PLAN - EWILSON ST. R/W
U1	STORM SEWER SCHEDULE
U2	SANITARY SEWER PLAN & PROFILE
U3	

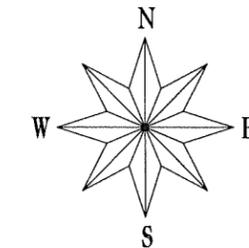
- JPS 6-27-18

## 722 WILLIAMSON STREET

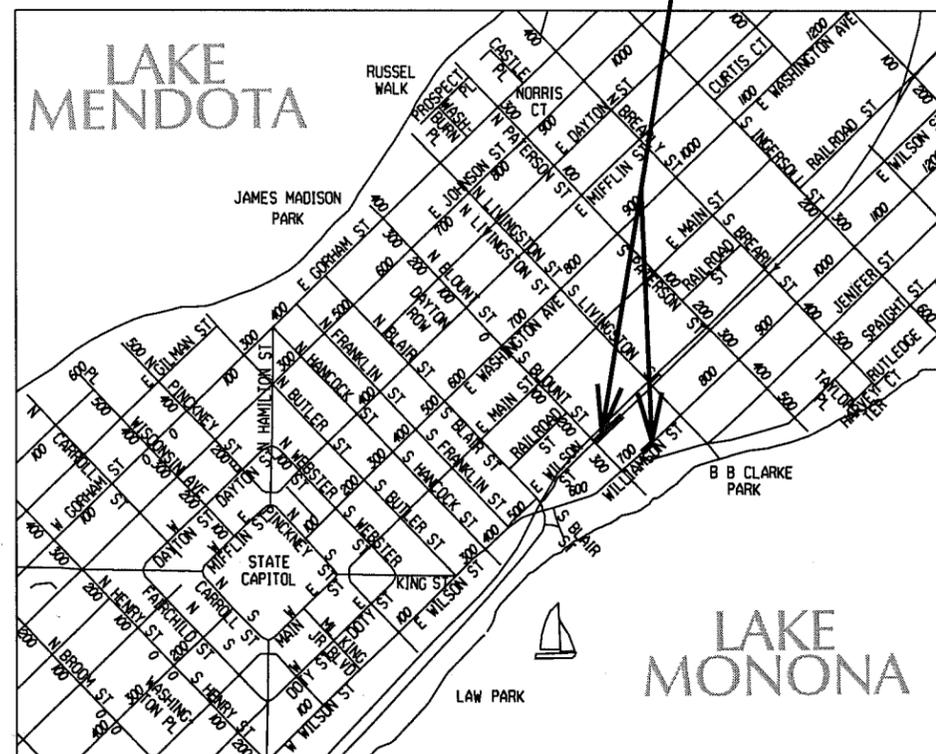
CITY PROJECT NO. 11487

CITY CONTRACT NO. 7804

MUNIS NO. 11487



### CONSTRUCTION PROJECT LOCATION



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

#### NOTE:

SANITARY SEWER MAIN AND CONNECTION TO PATH IN THE WILSON ST RIGHT-OF-WAY SHALL BE DESIGNED AT A LATER DATE. THIS SANITARY SEWER AND PATH CONNECTION WORK WILL BE INCLUDED IN A SUBSEQUENT PLAN REVISION.

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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, REFERING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

ALL PAVEMENT WITHIN THE WILLIAMSON STREET RIGHT-OF-WAY SHALL CONSIST OF 2.5" BITUMINOUS UPPER LAYER, 12.5MM, TYPE E-3  
4" BITUMINOUS LOWER LAYER, 19 MM, TYPE E-3

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 GRADES OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADES OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL 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. 3.03. 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 4.00:1. 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 ALIGNMENT FROM THE CITY ENGINEER PRIOR TO STAKING THIS PROJECT.

CURB STATION AND OFFSETS SHALL BE TO THE FACE OF CURB UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE TOP OF CURB (OR EXTENDED TOP OF CURB FOR DRIVEWAYS OR RAMPS) 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.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS 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.

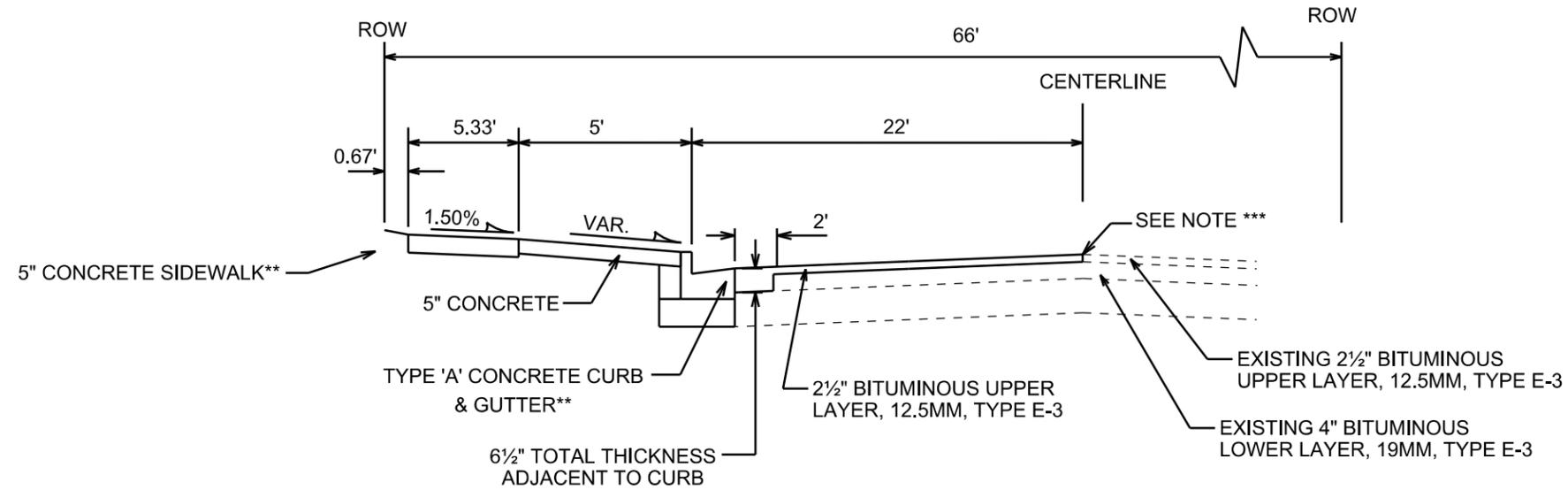
CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO SDD 3.05.

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**TYPICAL SECTION**

WILLIAMSON ST.

CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGG. BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER TYPE	LOWER LAYER THICKNESS	UPPER LAYER TYPE	UPPER LAYER THICKNESS
A	6"	4"	E-0.3	1.75"	E-0.3	1.75"
B	6"	4"	E-1	2.25"	E-1	2"
C	6"	4"	E-3	3.25"	E-3	2"
C MOD.	6"	4"	E-3	4"	E-3	2.5"

NOTES:

TYPICAL SECTIONS NOT TO SCALE

\* WILLIAMSON STREET IS TYPE 'C' MODIFIED PAVEMENT. SEE MODIFIED CITY OF MADISON MINIMUM PAVEMENT DESIGN

\*\* REPLACE CURB AND SIDEWALK AS SHOWN ON THE PLANS.

\*\*\*2½" MILL & OVERLAY TO STREET LANE EDGE. FINAL LIMITS BY CONSTRUCTION ENGINEER.

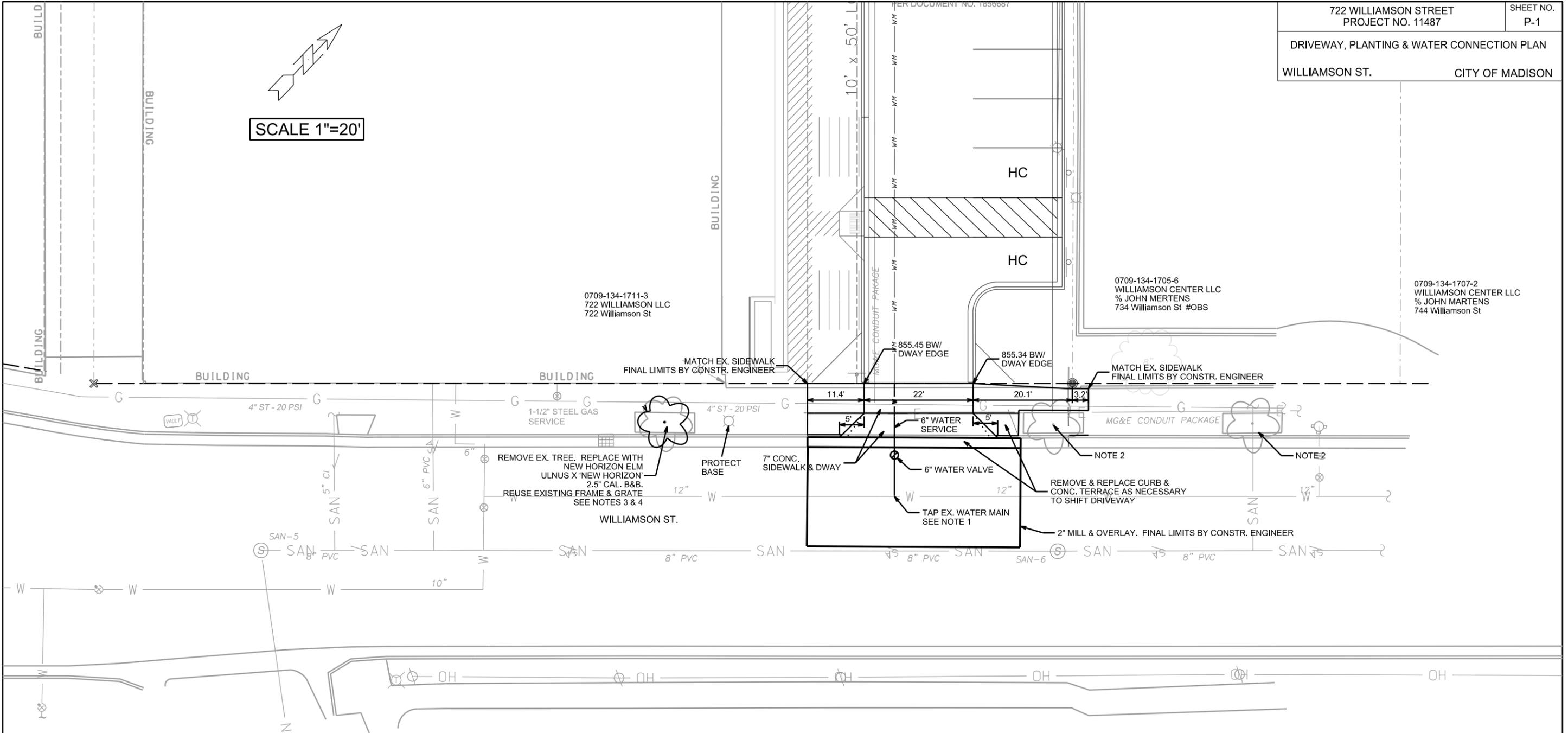
PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SCALE 1"=20'



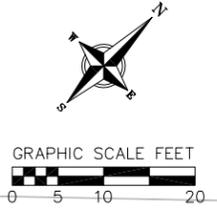
- NOTES:
1. A WATER SERVICE APPLICATION FORM AND FEES MUST BE SUBMITTED BEFORE CONNECTING TO THE EXISTING WATER SYSTEM. PROVIDE AT LEAST TWO WORKING DAYS NOTICE BETWEEN THE APPLICATION SUBMITTAL AND THE REQUESTED INSTALLATION OR INSPECTION APPOINTMENT. APPLICATION MATERIALS ARE AVAILABLE ON THE WATER UTILITY'S PLUMBERS & CONTRACTORS WEBSITE ([HTTP://WWW.CITYOFMADISON.COM/WATER/PLUMBERSCONTRACTORS](http://www.cityofmadison.com/water/plumberscontractors)). OTHERWISE THEY MAY BE OBTAINED FROM THE WATER UTILITY MAIN OFFICE AT 119 E OLIN AVE. A LICENSED PLUMBER SIGNATURE IS REQUIRED ON ALL WATER SERVICE APPLICATIONS. FOR NEW OR REPLACEMENT SERVICES, THE PROPERTY OWNER OR AUTHORIZED AGENT IS ALSO REQUIRED TO SIGN THE APPLICATION. A WATER METER APPLICATION FORM WILL SUBSEQUENTLY BE REQUIRED TO SIZE & OBTAIN A WATER METER ESTABLISH A WATER UTILITY CUSTOMER ACCOUNT AND/OR ESTABLISH A WATER UTILITY FIRE SERVICE ACCOUNT. IF YOU HAVE QUESTIONS REGARDING WATER SERVICE APPLICATIONS, PLEASE CONTACT MADISON WATER UTILITY AT (608) 266-4646.
  2. CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING IN THE AREA BETWEEN THE CURB AND SIDEWALK AND EXTEND IT AT LEAST 5 FEET FROM BOTH SIDES OF THE TREE ALONG THE LENGTH OF THE TERRACE. NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE OUTSIDE EDGE OF A TREE TRUNK. IF EXCAVATION WITHIN 5 FEET OF ANY TREE IS NECESSARY, CONTRACTOR SHALL CONTACT DEAN KAHL WITH CITY FORESTRY AT 266-4816 PRIOR TO EXCAVATION TO ASSESS THE IMPACT OF THE TREE AND ROOT SYSTEM. TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY. TREE PROTECTION SPECIFICATIONS CAN BE FOUND IN SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
  3. CONTACT DEAN KAHL WITH CITY FORESTRY AT 266-4816 AT LEAST ONE WEEK PRIOR TO PLANTING TO REVIEW THE PLANTING SITES, INSPECT NURSERY STOCK, AND REVIEW PLANTING SPECIFICATIONS.
  4. 4'X12' NEENAH R-8815 TREE GRATES SHALL ALL BE ADA COMPLIANT, CAST IRON PER ASTM A58 OR CLASS 35B OR BETTER, AND RAW CAST GREY IRON. PROVIDE ANGLE FRAME AND REBAR.
  5. ALL DIMENSIONS ARE TO PROPERTY LINES, EDGE OF DRIVEWAY AND WORK LIMITS.

PLOT SCALE: \_\_\_\_\_

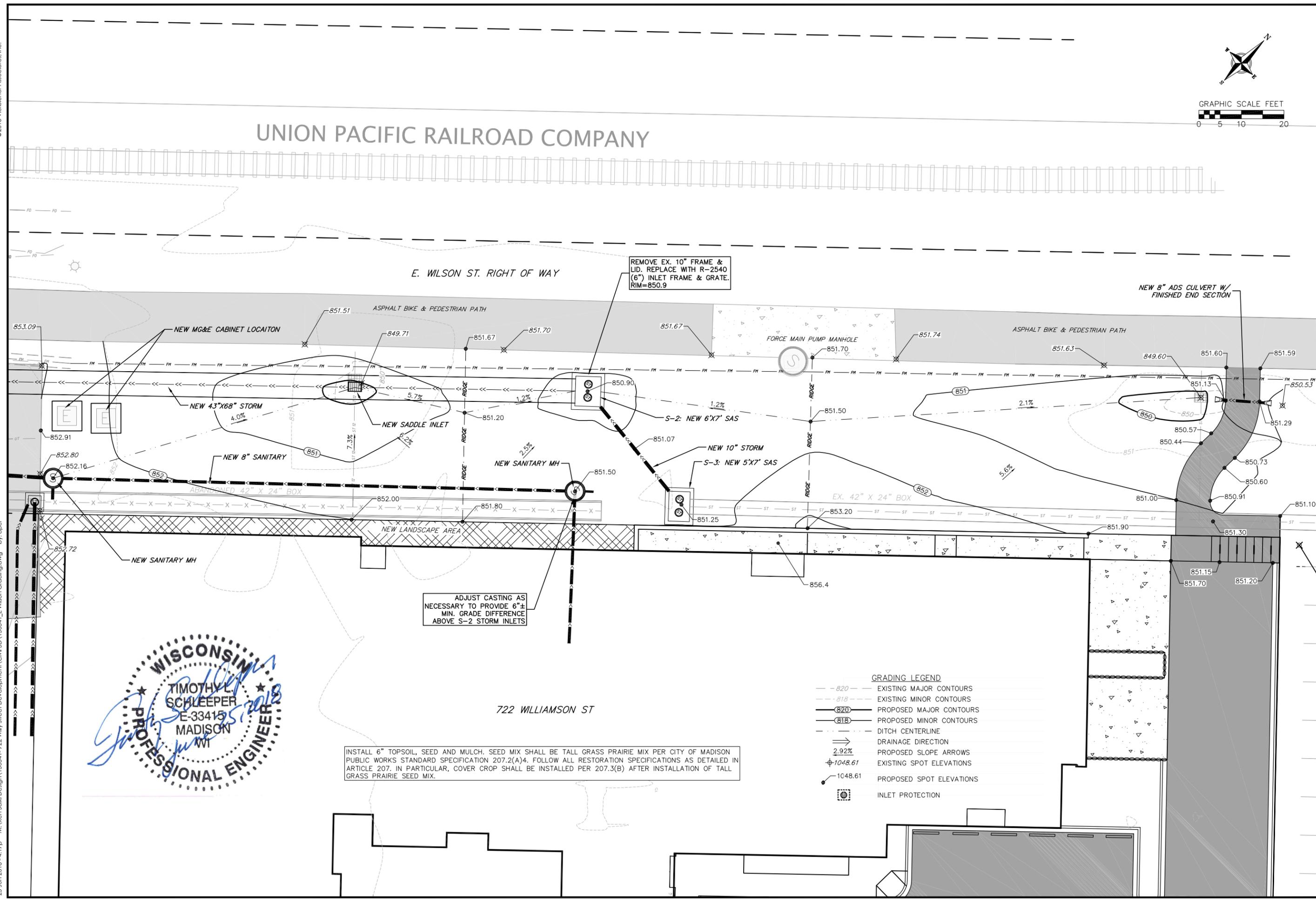
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



# UNION PACIFIC RAILROAD COMPANY



**GRADING PLAN - E. WILSON ST. R/W**  
722 WILLIAMSON STREET - PROJECT 11487  
CITY OF MADISON  
DANE COUNTY, WISCONSIN

NO.	DATE	REVISIONS	REMARKS

SCALE: AS SHOWN

DATE: 06/25/2018

DRAFTER: DPER

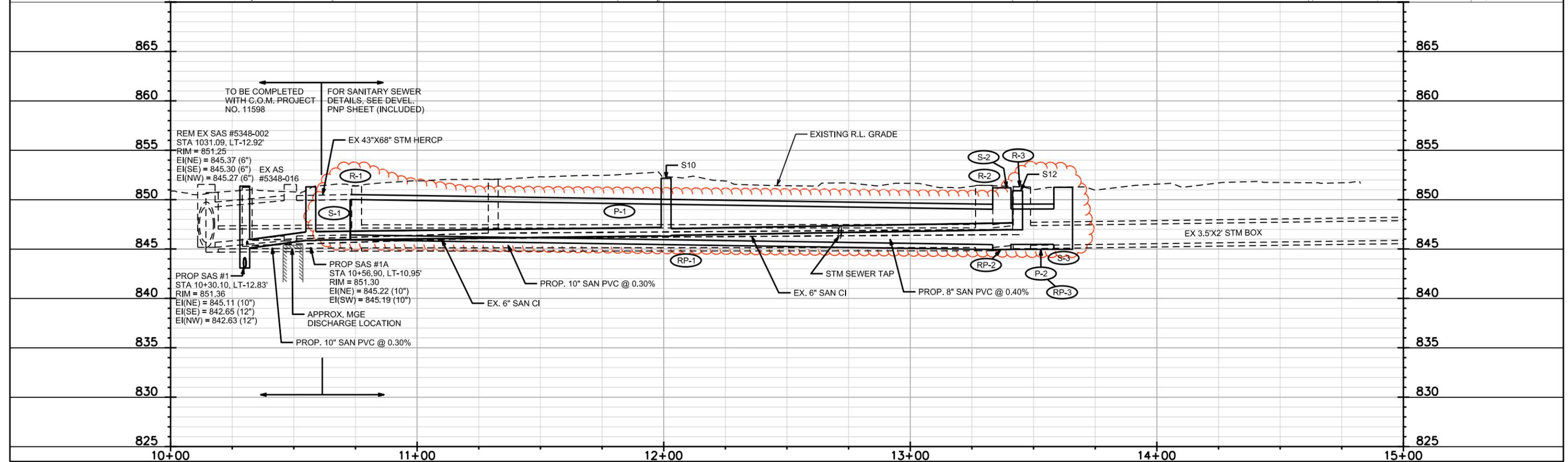
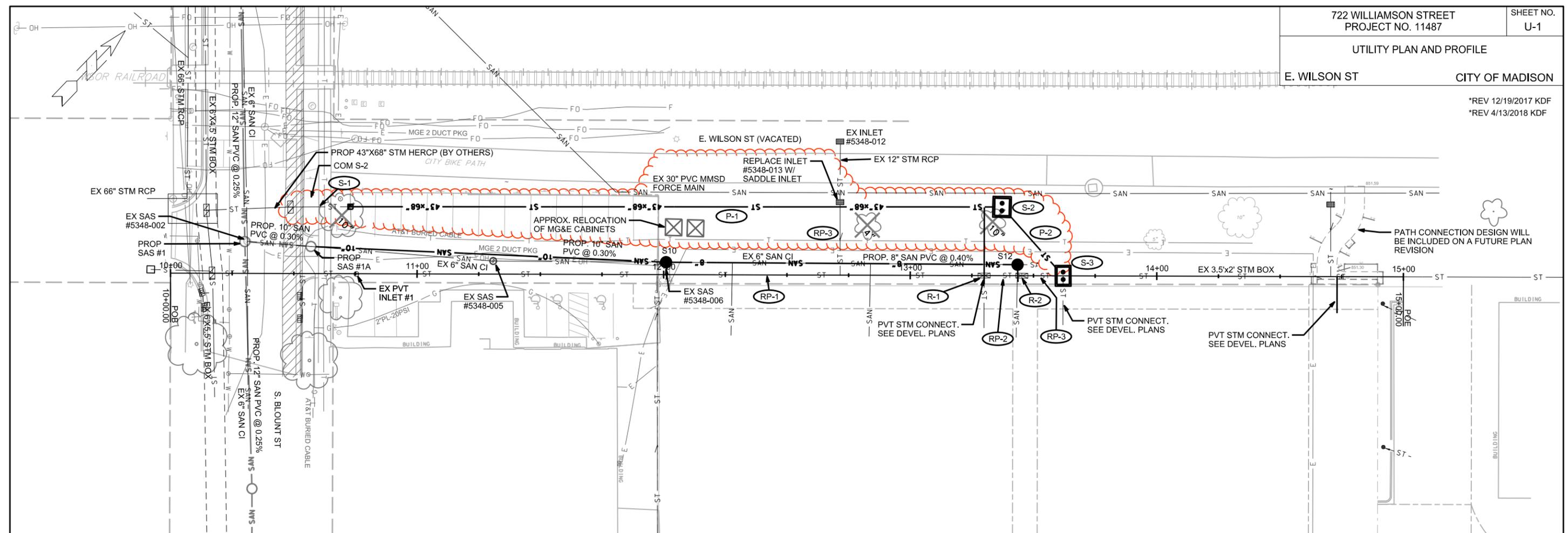
CHECKED: TSCH

PROJECT NO.: 150341

SHEET: **G1**

DWG. NO.:





PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# STORM SEWER SCHEDULE

\*REV 12/19/2017 KDF

\*\*REV 4/13/2018 KDF

722 WILLIAMSON STREET  
PROJECT NO. 11487

SHEET NO.  
U-2

STORM SEWER SCHEDULE

CITY OF MADISON

## PROPOSED STORM STRUCTURES

## PROPOSED STORM PIPES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
* S-1	10+72.90	LT-27.08	COLLAR	-	846.43	-	-
<del>** S-1A</del>	<del>12+12.83</del>	<del>LT-12.97</del>	<del>BEND</del>		<del>845.94</del>		
** S-2	13+37.15	LT-27.80	6X7 SAS	851.20	845.44	5.76	FP, W/ TWIN R-1550-0054
* S-3	13+62.01	CL	5X7 SAS	851.25	845.47	5.78	FP, W/ TWIN R-1550-0054

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
** P-1	S-1	S-1A	846.43	845.44	264.5	261.2	-0.38%	43"X68"	HERCP	-
<del>** P-1A</del>	<del>S-1A</del>	<del>S-2</del>	<del>845.94</del>	<del>845.46</del>	<del>138</del>	<del>135.1</del>	<del>0.36%</del>	<del>43"X68"</del>	<del>HERCP</del>	
** P-2	S-2	S-3	845.44	845.47	37.5	29.1	0.10%	43"X68"	HERCP	-

## REMOVE STORM STRUCTURES

## REMOVE STORM PIPES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
R-1	EX AS 5348-011	13+30.00	CL	SAS	-
R-2	EX AS 5348-010	13+45.25	CL	SAS	-

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
RP-1	EX PVT INLET #1	R-1	250	3.5'X2'	BOX	-	-
RP-2	R-1	R-2	8	3.5'X2'	BOX	-	-
RP-3	R-2	S-3	16	3.5'X2'	BOX	-	-

**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
- 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.
- 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 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 KYLE FRANK OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO KFRANK@CITYOFMADISON.COM.

## SPECIFIC NOTES

REVISIONS		NO.	DATE	REMARKS
1	05/11/17	LATERAL ELEVATION		
2	06/07/17	SAN. REV. IN R/W		

SCALE	AS SHOWN
DATE	12/19/2016
DRAFTER	DPER
CHECKED	TSCH
PROJECT NO.	150341
SHEET	U3
DWG. NO.	

