

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

## PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

MARCH 9, 2018

BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

*[Signature]* 4/22/19  
City Engineer Date

SANITARY DESIGNED BY:

DEVELOPER

INDEX OF SHEETS

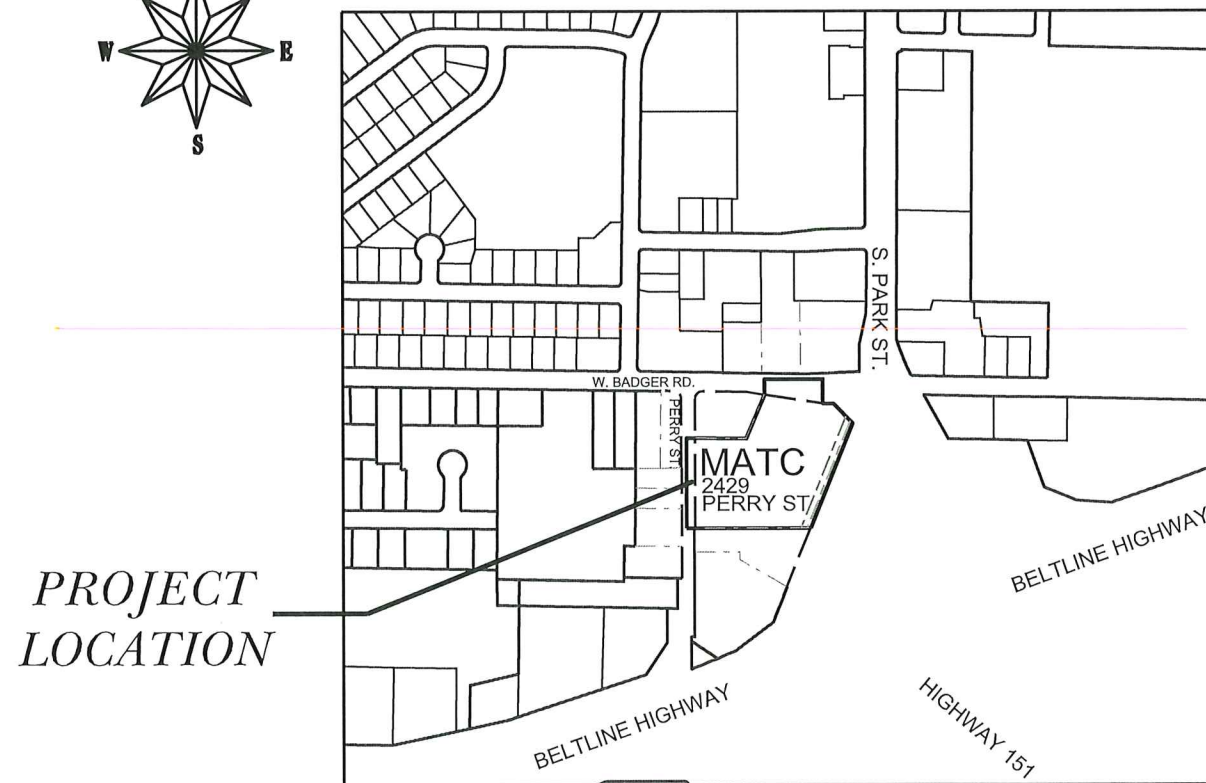
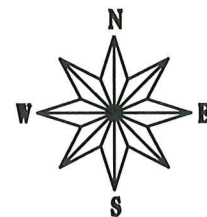
SHEET NO.	TITLE
1	TITLE
D1-D3	DETAILS
PM-1	PAVEMENT MARKING PLAN
P1	STREET PLAN AND PROFILES
P2	STREETS AND SIDEWALKS PLAN
U1	WATER AND SANITARY SEWER LATERALS PLAN
U2-U3	STORM SEWER PLANS
U4	STORM SEWER SCHEDULE
X1-X2	CROSS SECTIONS: PERRY ST

## 801 W. BADGER ROAD

CITY PROJECT NO. 11916

CONTRACT NO. 8130

CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	□



PROJECT  
LOCATION

LOCATION MAP

STREET GRADES DESIGNED BY:



WATER DESIGNED BY:

DEVELOPER

STREET GEOMETRY DESIGNED BY:



STORM SEWER DESIGNED BY:



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

DETAIL

STANDARD NOTES  
AND COMMENTS

CITY OF MADISON

EXISTING STREET TREES SHALL BE PROTECTED. 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 CITY FORESTRY (266-4816) 48 HOURS PRIOR TO EXCAVATION TO ASSESS THE IMPACT TO THE TREE AND ROOT SYSTEM. TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY PRIOR TO THE START OF CONSTRUCTION. TREE PROTECTION SPECIFICATIONS CAN BE FOUND IN SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION -[HTTP://WWW.CITYOFMADISON.COM/BUSINESS/PW/DOCUMENTS/STDSPESCS2013/PART1.PDF](http://www.cityofmadison.com/business/pw/documents/stdspecs2013/part1.pdf)

CONTRACTOR SHALL CONTACT CITY FORESTRY BRAD HOFMANN  
BHOFMANN@CITYOFMADISON.COM OR 266-4816 AT LEAST ONE WEEK PRIOR TO PLANTING TO SCHEDULE INSPECTING THE NURSERY STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER.

ANY TREE REMOVALS THAT ARE REQUIRED FOR CONSTRUCTION WILL REQUIRE AT LEAST A 72 HOUR WAIT PERIOD BEFORE A TREE REMOVAL PERMIT CAN BE ISSUED BY FORESTRY, TO NOTIFY THE ALDER OF THE CHANGE IN THE TREE PLAN.

CONTRACTOR/DEVELOPER SHALL SUBMIT A TRAFFIC CONTROL PLAN TO CITY TRAFFIC ENGINEERING AT LEAST 10 WORKING DAYS PRIOR TO THE START OF WORK. WORK WITHIN THE RIGHT-OF-WAY SHALL NOT BEGIN UNTIL THE TRAFFIC CONTROL PLAN IS APPROVED.

ANY PAVEMENT MARKINGS THAT ARE REMOVED OR DAMAGED SHALL BE REPLACED BY THE DEVELOPER/CONTRACTOR AS DIRECTED BY CITY TRAFFIC ENGINEERING.

ALL PAVEMENT IN THE BADGER ROAD RIGHT-OF-WAY SHALL BE 10" DOWELED CONCRETE PAVEMENT.

ALL PAVEMENT IN THE PERRY STREET RIGHT-OF-WAY SHALL BE TYPE B PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

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:

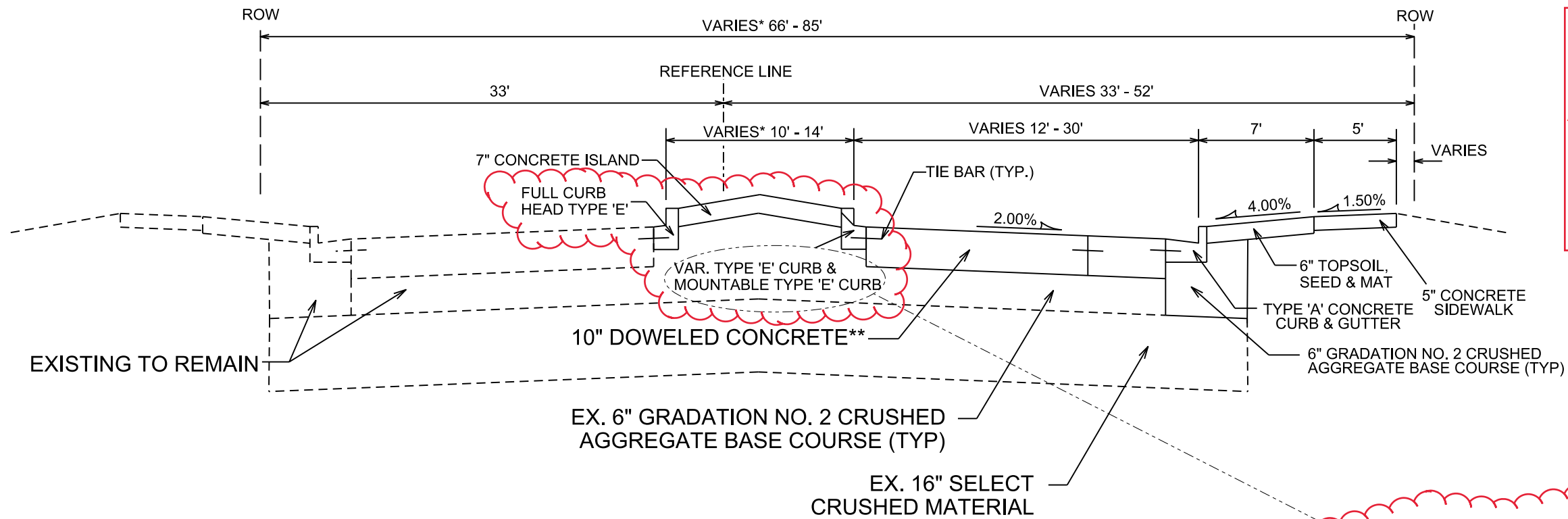
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

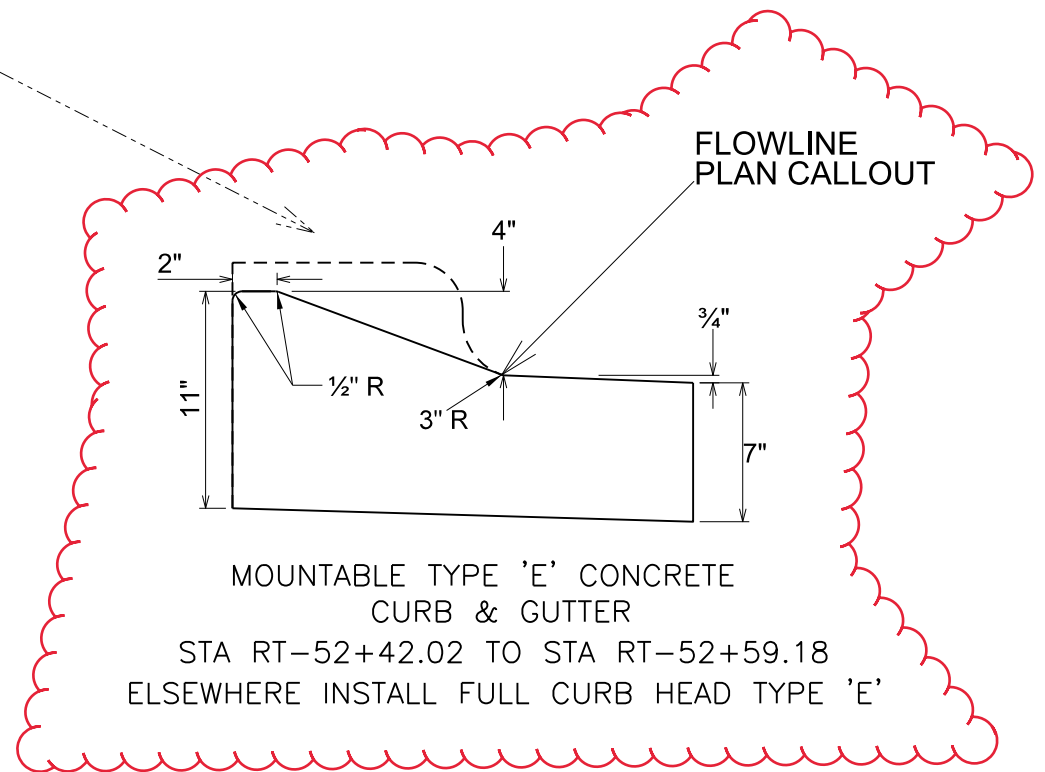
**REV NOTES 2019-07-11**

**REVISED SHEETS D-2 AND P-2 TO ADD FULL CURB HEAD TO THE MAJORITY OF THE MEDIAN ISLAND ON BADGER RD.**



**TYPICAL SECTION**

BADGER ROAD  
STA 52+29 TO STA 53+32  
NOT TO SCALE



MOUNTABLE TYPE 'E' CONCRETE CURB & GUTTER  
STA RT-52+42.02 TO STA RT-52+59.18  
ELSEWHERE INSTALL FULL CURB HEAD TYPE 'E'

† CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S/H 3 HT 58-28 H	3.50"	4 MT 58-28 S/H 4 HT 58-28 H	2.00"

NOTES:

\* SEE PLAN AND CROSS SECTIONS FOR DETAILS AND DIMENSIONS

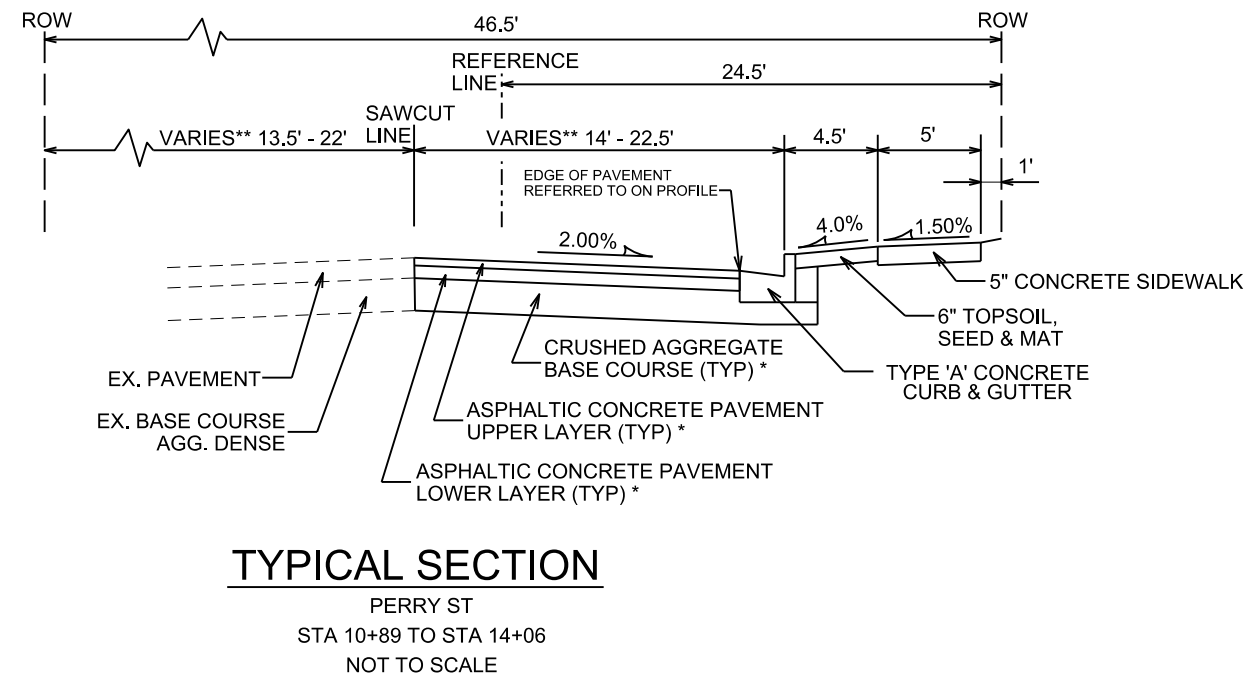
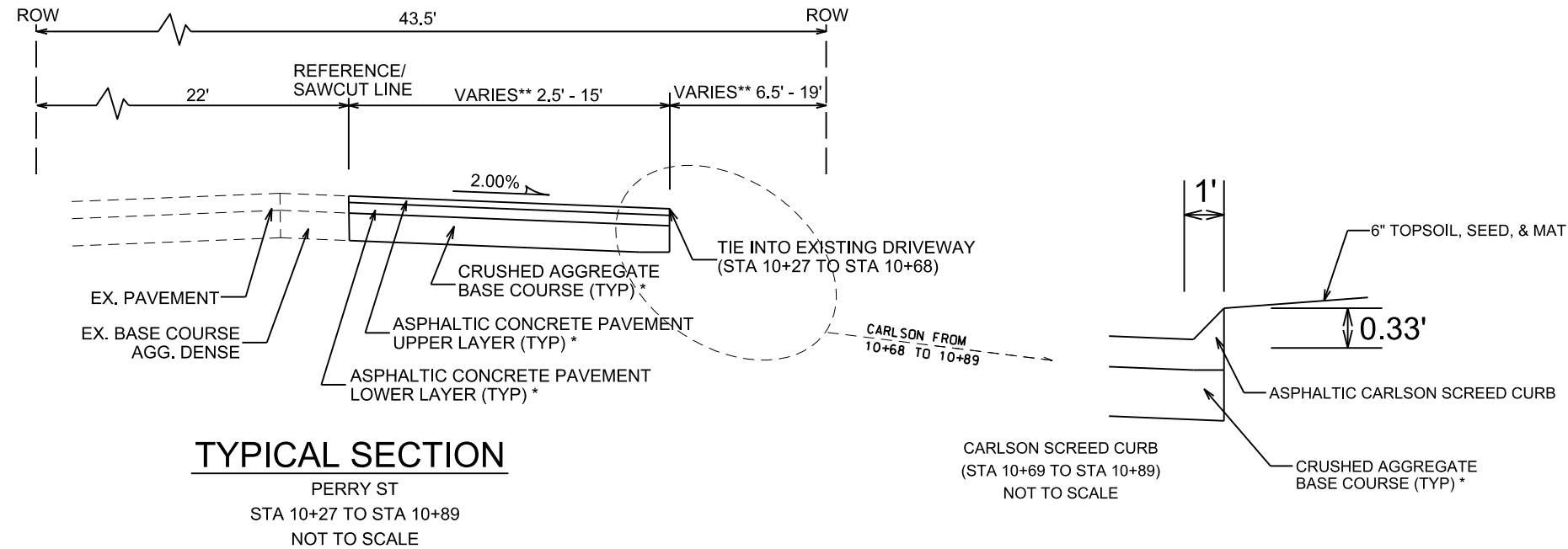
\*\* PATCH CONC. PAVEMENT PER S.D.D. 3.10 & 3.11.  
FINAL LIMITS BY CONSTR. ENGINEER

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



† CITY OF MADISON MINIMUM PAVEMENT DESIGN

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	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER TYPE	THICKNESS	UPPER LAYER TYPE	THICKNESS
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C	6"	6"	3 MT 58-28 S/H 3 HT 58-28 H	3.50"	4 MT 58-28 S/H 4 HT 58-28 H	2.00"

NOTES:

\* PERRY STREET SHALL BE CONSTRUCTED AS TYPE 'B' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN

\*\* SEE PLAN AND CROSS SECTIONS FOR DETAILS AND DIMENSIONS

PLOT SCALE:

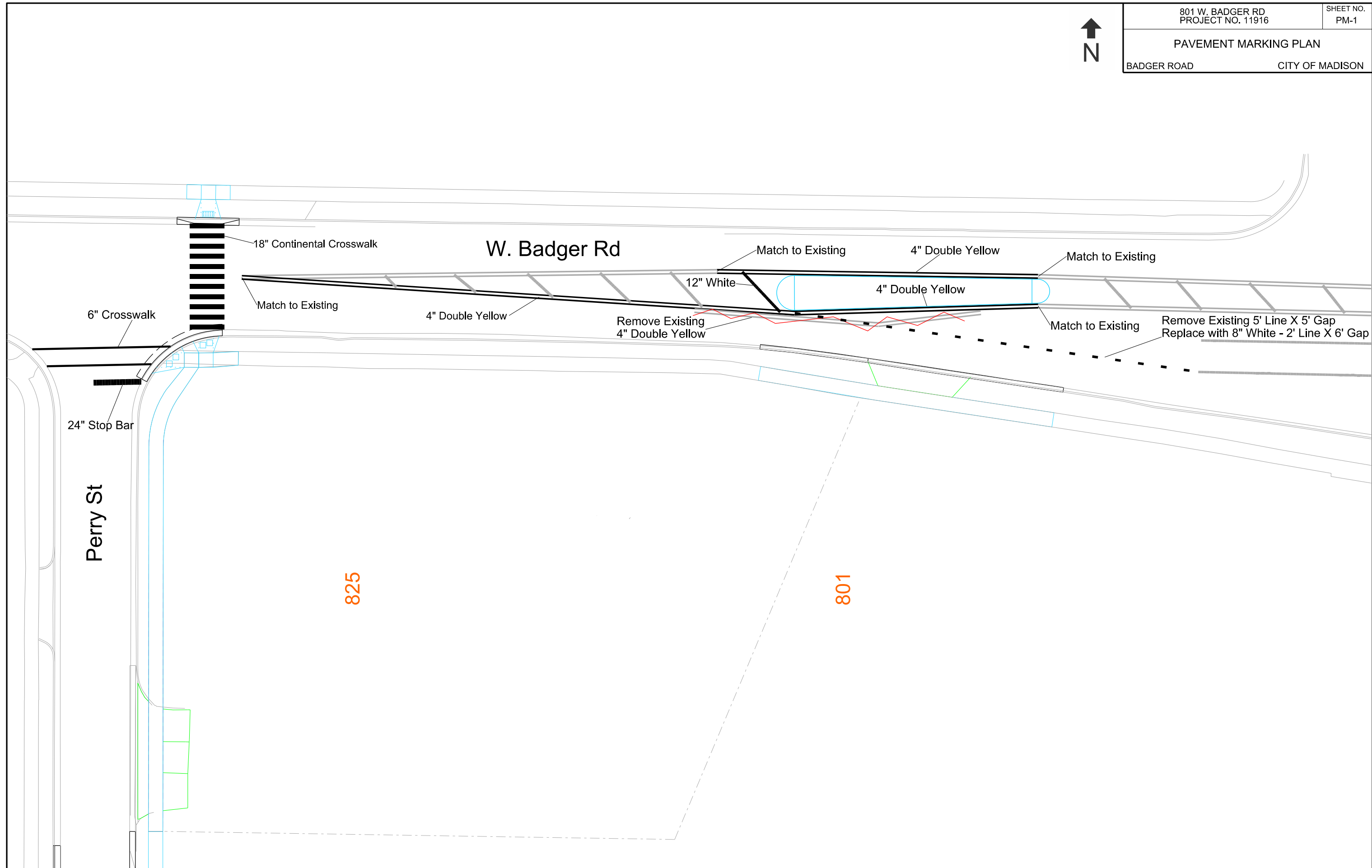
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE:  
PLOT NAME:  
REV. DATE:  
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.





PLAN AND PROFILE

PERRY STREET CITY OF MADISON

0709-353-0223-5  
GOODWILL INDS OF MADISON  
SPEC LIVING ARRNGMNTS INC  
2502 PERRY ST

SCALE 1"=40'

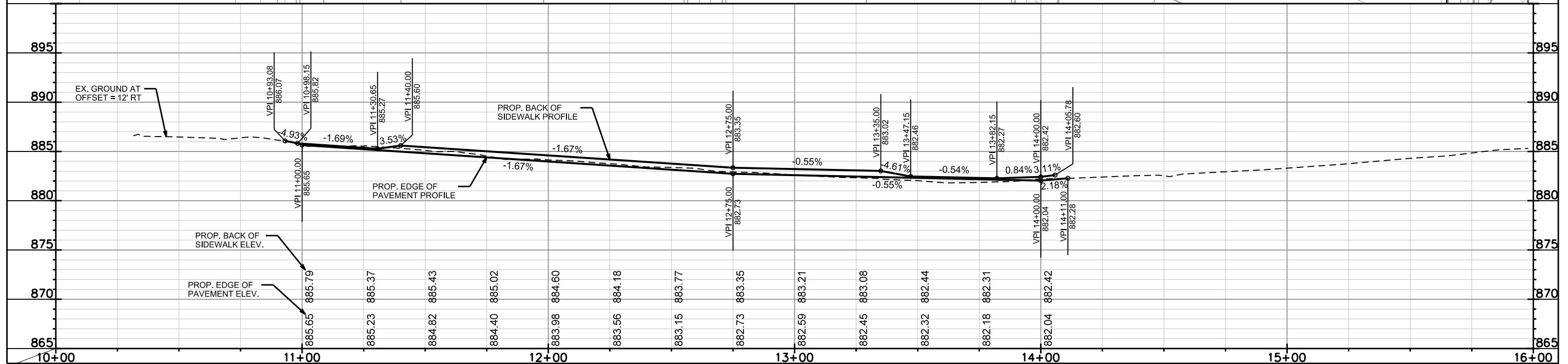
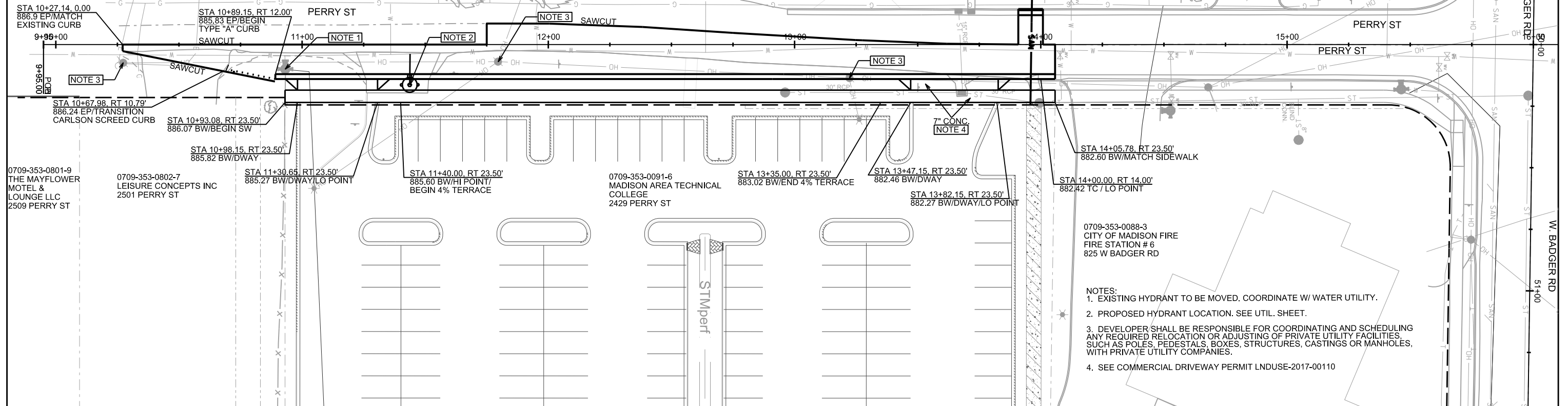
0709-353-0224-3  
JACKSON SR, LARRY V  
& KATHERINE M JACKSON  
2440 PERRY ST

0709-353-0225-1  
FAJ ASSOCIATES LLC  
2436 PERRY ST

0709-353-0226-9  
FAJ ASSOCIATES LLC  
& FREDERICK ROUSE  
2432 PERRY ST

0709-353-0087-5  
FAJ ASSOCIATES LLC  
2416 PERRY ST

0709-353-0090-8  
OMEGA SCHOOL INC  
835 W BADGER RD



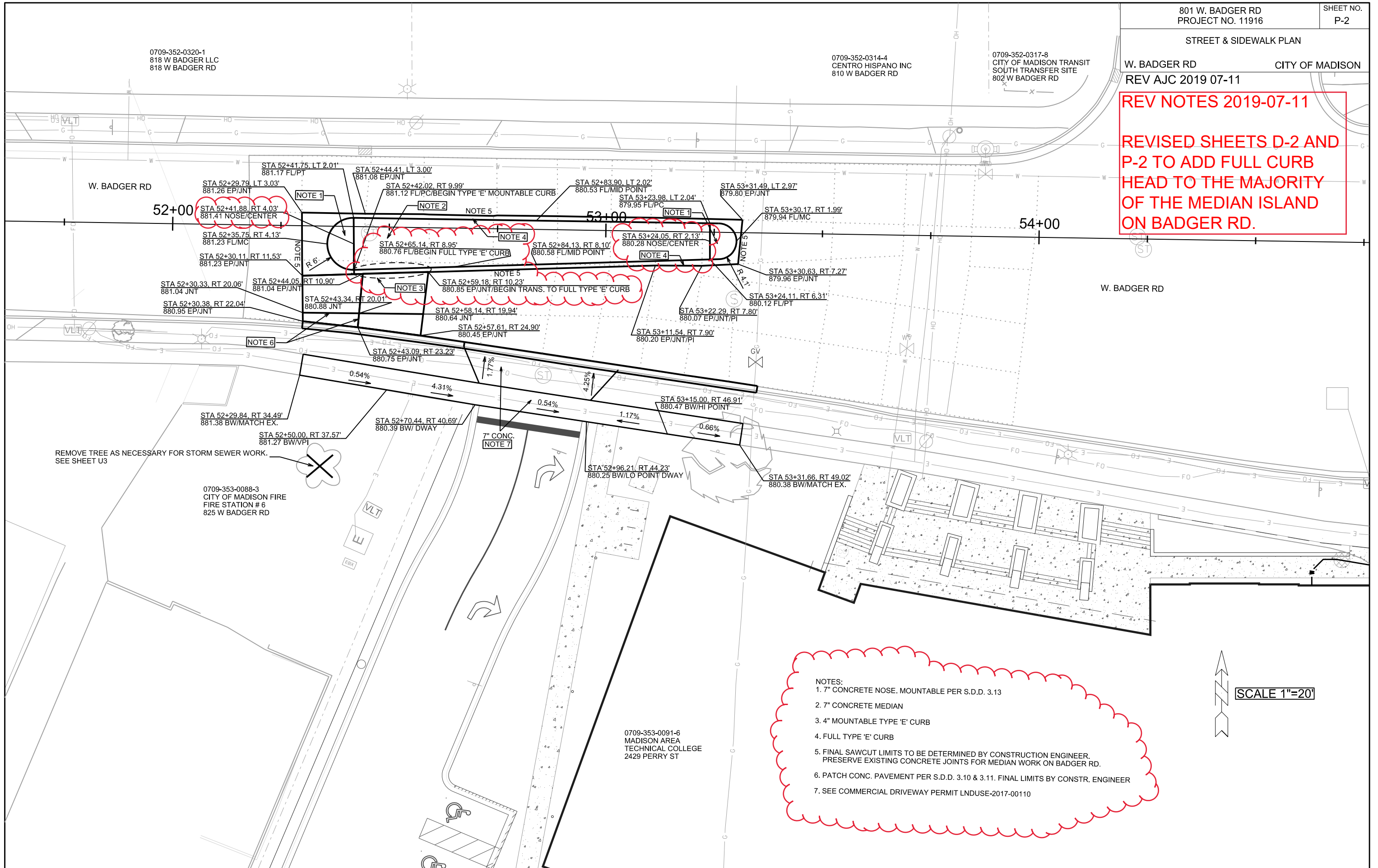
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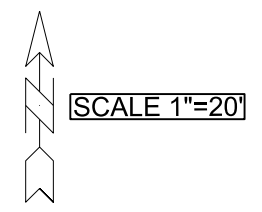
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

**REV NOTES 2019-07-11**  
**REVISED SHEETS D-2 AND P-2 TO ADD FULL CURB HEAD TO THE MAJORITY OF THE MEDIAN ISLAND ON BADGER RD.**



- NOTES:
1. 7" CONCRETE NOSE. MOUNTABLE PER S.D.D. 3.13
  2. 7" CONCRETE MEDIAN
  3. 4" MOUNTABLE TYPE 'E' CURB
  4. FULL TYPE 'E' CURB
  5. FINAL SAWCUT LIMITS TO BE DETERMINED BY CONSTRUCTION ENGINEER. PRESERVE EXISTING CONCRETE JOINTS FOR MEDIAN WORK ON BADGER RD.
  6. PATCH CONC. PAVEMENT PER S.D.D. 3.10 & 3.11. FINAL LIMITS BY CONSTR. ENGINEER
  7. SEE COMMERCIAL DRIVEWAY PERMIT LNDUSE-2017-00110



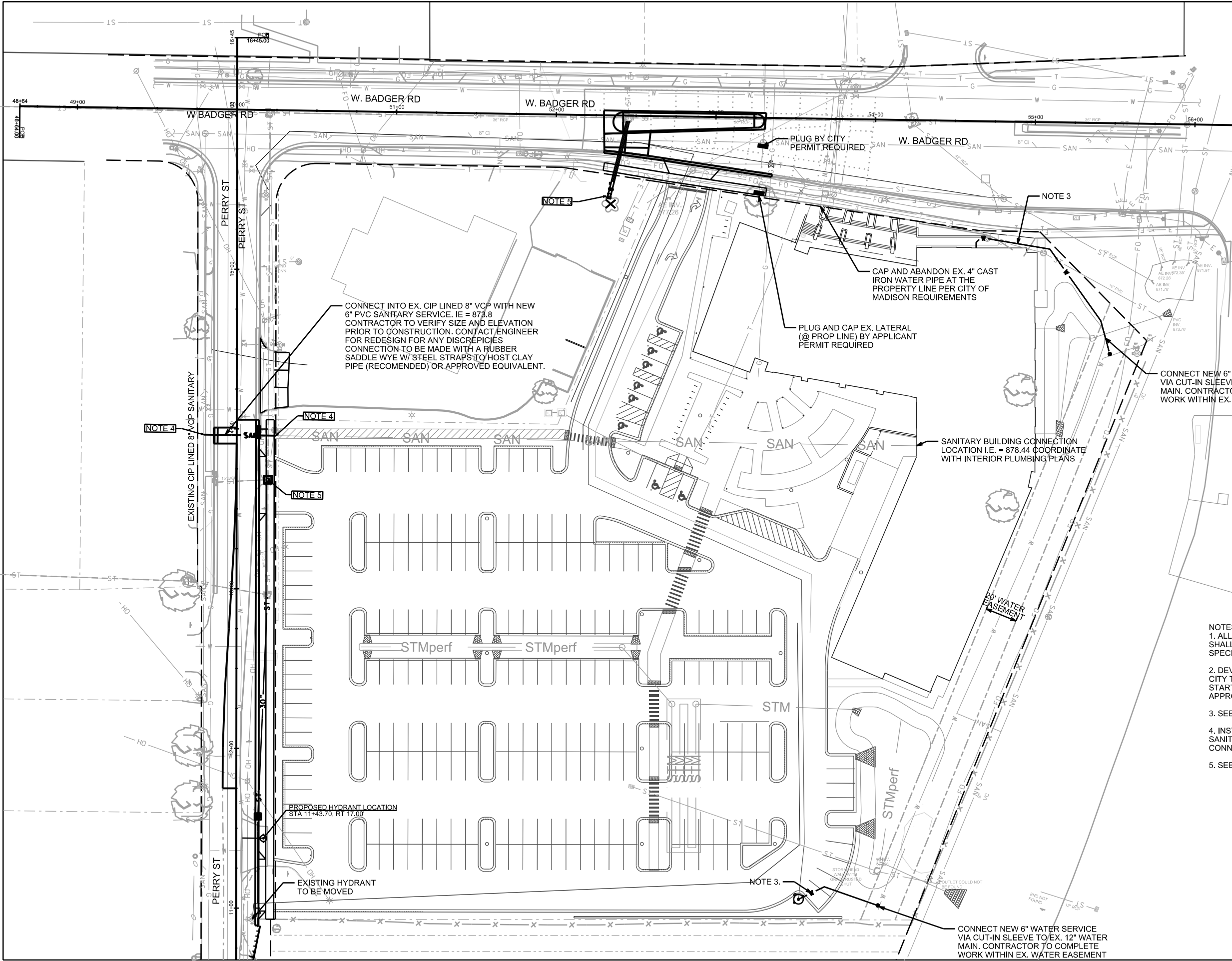
PLOT SCALE: \_\_\_\_\_

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN  
SANITARY AND WATER PLAN CITY OF MADISON



CONNECT INTO EX. CIP LINED 8" VCP WITH NEW 6" PVC SANITARY SERVICE. I.E. = 878.8  
CONTRACTOR TO VERIFY SIZE AND ELEVATION PRIOR TO CONSTRUCTION. CONTACT ENGINEER FOR REDESIGN FOR ANY DISCREPANCIES  
CONNECTION TO BE MADE WITH A RUBBER SADDLE WYE W/ STEEL STRAPS TO HOST CLAY PIPE (RECOMMENDED) OR APPROVED EQUIVALENT.

PLUG BY CITY PERMIT REQUIRED

CAP AND ABANDON EX. 4" CAST IRON WATER PIPE AT THE PROPERTY LINE PER CITY OF MADISON REQUIREMENTS

PLUG AND CAP EX. LATERAL (@ PROP LINE) BY APPLICANT PERMIT REQUIRED

CONNECT NEW 6" WATER SERVICE VIA CUT-IN SLEEVE TO EX. 12" WATER MAIN. CONTRACTOR TO COMPLETE WORK WITHIN EX. WATER EASEMENT

SANITARY BUILDING CONNECTION LOCATION I.E. = 878.44 COORDINATE WITH INTERIOR PLUMBING PLANS

- NOTES:
1. ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
  2. 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
  3. SEE PRIVATE PLANS FOR WORK ON PRIVATE PROPERTY
  4. INSTALL AN ELECTRONIC MARKER BALL ABOVE EACH SANITARY LATERAL @ THE PROPERTY LINE AND MAIN CONNECTION (TYP.)
  5. SEE SHEETS U2-U3 FOR STORM SEWER PLANS

PROPOSED HYDRANT LOCATION  
STA 11+43.70, RT 17.00

EXISTING HYDRANT TO BE MOVED

CONNECT NEW 6" WATER SERVICE VIA CUT-IN SLEEVE TO EX. 12" WATER MAIN. CONTRACTOR TO COMPLETE WORK WITHIN EX. WATER EASEMENT

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



UTILITY PLAN AND PROFILE

PERRY STREET CITY OF MADISON

REV. 7/11/2019 LES

0709-353-0223-5  
GOODWILL INDS OF MADISON  
SPEC LIVING ARRNGMNTS INC  
2502 PERRY ST

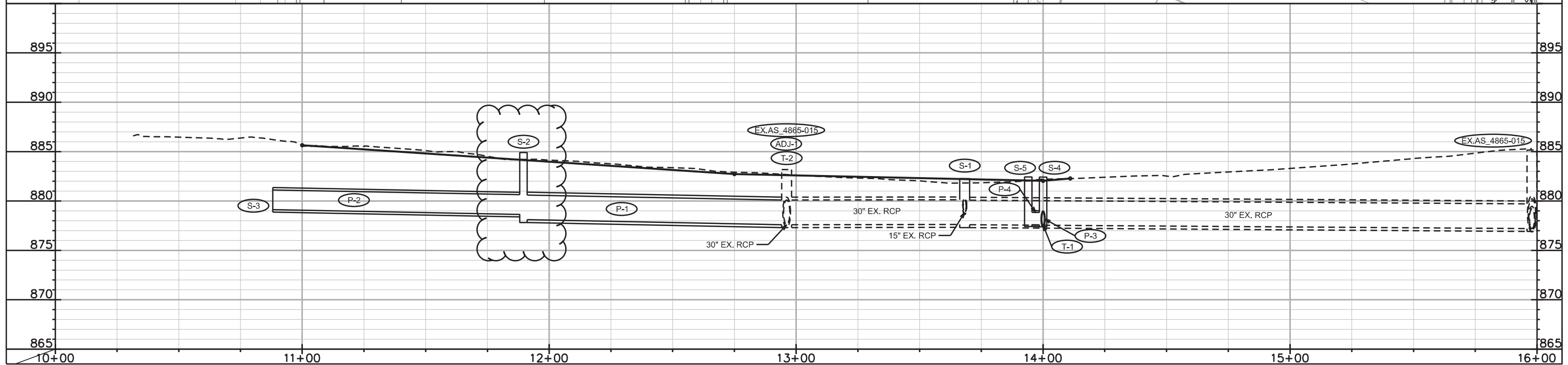
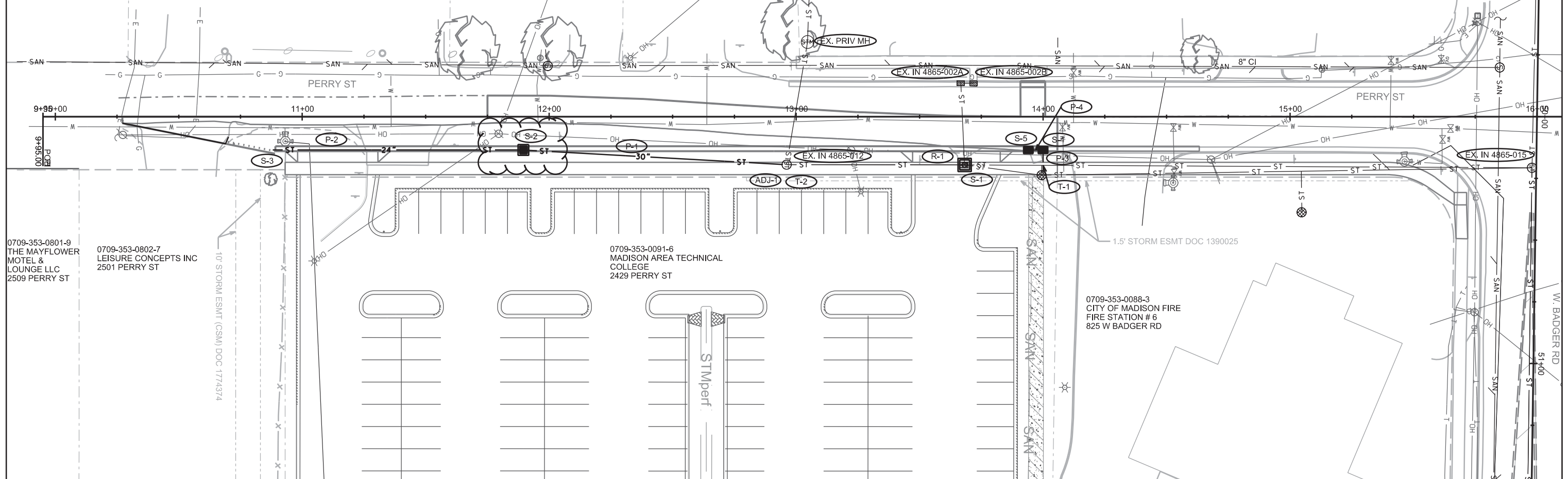
0709-353-0224-3  
JACKSON SR, LARRY V  
& KATHERINE M JACKSON  
2440 PERRY ST

0709-353-0225-1  
FAJ ASSOCIATES LLC  
2436 PERRY ST

0709-353-0226-9  
FAJ ASSOCIATES LLC  
% FREDERICK ROUSE  
2432 PERRY ST

0709-353-0087-5  
FAJ ASSOCIATES LLC  
2416 PERRY ST

0709-353-0090-8  
OMEGA SCHOOL INC  
835 W BADGER RD



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

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

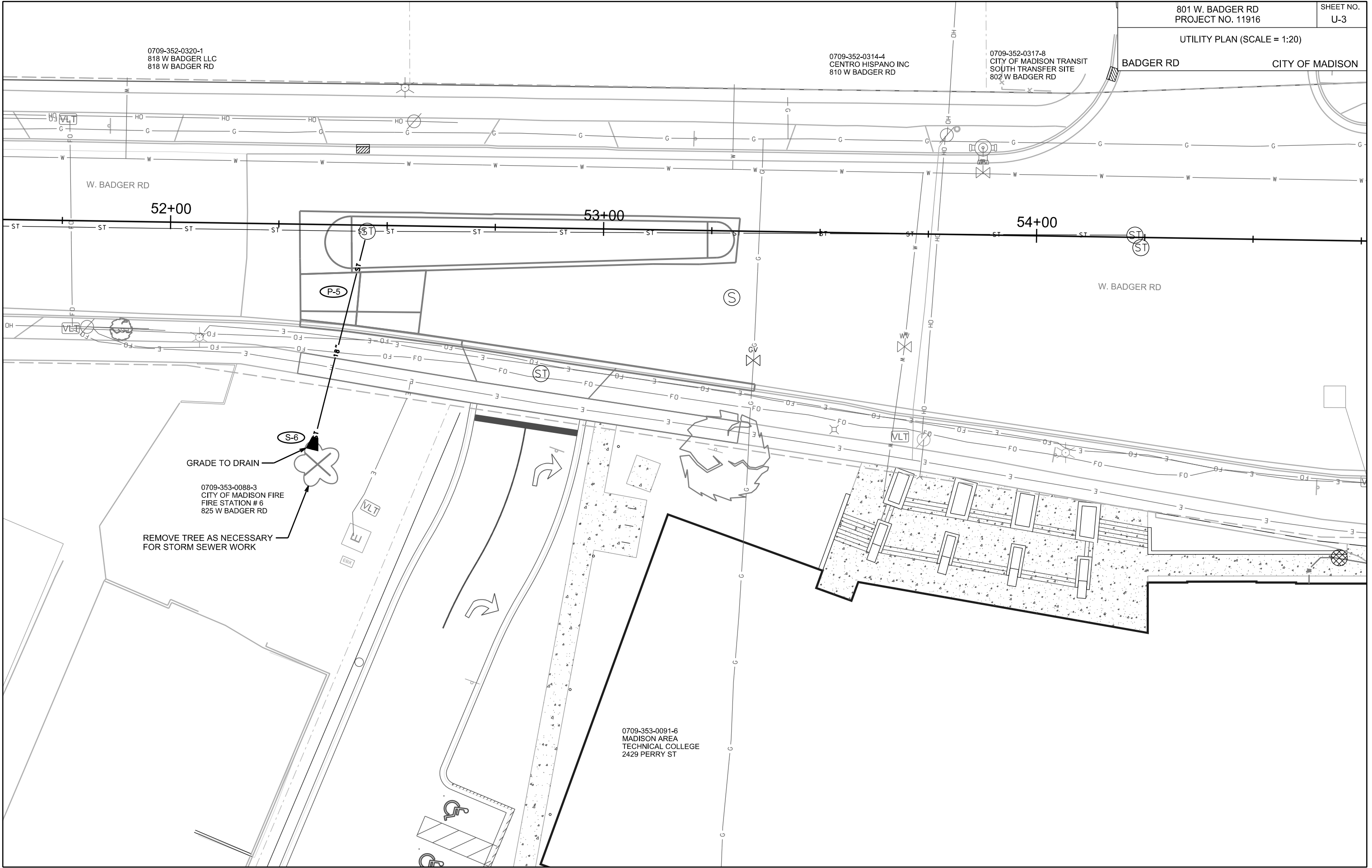
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0709-352-0320-1  
818 W BADGER LLC  
818 W BADGER RD

0709-352-0314-4  
CENTRO HISPANO INC  
810 W BADGER RD

0709-352-0317-8  
CITY OF MADISON TRANSIT  
SOUTH TRANSFER SITE  
802 W BADGER RD



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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# STORM SEWER SCHEDULE

801 W. BADGER ROAD PROJECT NO. 11916	SHEET NO. U-4
STORM SEWER SCHEDULE CITY OF MADISON	

REV. 7/11/2019 LES

## PROPOSED STORM STRUCTURES

STRUC NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	13+68.26	RT-19.54	4X4 SAS	882.27	877.59	4.68	W/ R-1550-0054; FP; SEE SPEC. NOTE 2
* S-2	11+89.56	RT-13.50	4X4 SAS	884.91	878.12	6.79	W/ R-3067-7004-V
S-3	10+88.08	RT-13.50	STUB	-	879.12	-	-
S-4	14+00.00	RT-13.50	H INLET	882.42	877.58	4.84	W/ R-3067-7004-V
S-5	13+94.00	RT-13.50	H INLET	882.45	877.60	4.85	W/ R-3067-7004-V
* S-6	52+33.48	RT-52.06	18" APRON ENDWALL W/ GATE	-	875.83	-	SEE CITY OF MADISON S.D.D. 5.4.1 AND 5.6.1; SEE SPEC. NOTE 3

## PROPOSED STORM PIPES

PIPE NO.	FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	PIPE LENGTH (FT)	PLAN LENGTH (FT)	SLOPE (%)	SIZE (DIA)	TYPE	NOTES
* P-1	T-2	S-2	877.60	878.12	104	107	0.50%	30"	RCP	
* P-2	S-2	S-3	878.62	879.12	100	101	0.50%	24"	RCP	
P-3	T-1	S-4	877.55	877.58	5	6	0.58%	15"	RCP	
P-4	S-4	S-5	877.58	877.60	3	5	0.67%	15"	RCP	
P-5	T-3	S-6	875.64	875.83	50	52	0.38%	18"	RCP	

## STORM PIPE TAP

STRUC NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	E.I.	NOTES
T-1	-	13+99.99	RT-19.70	PIPE	877.55	SEE SPEC. NOTE 1
T-2	AS 4865-012	12+96.16	RT-19.43	4X4 SAS	877.6	
T-3	AS 4865-013	52+45.43	RT-1.39	4X4 SAS	875.64	

## STORM STRUCTURE ADJUSTMENT

STRUC NO.	STRUC ID	STATION	LOCATION (OFFSET)	TYPE	EX. TOP OF CASTING	NEW TOP OF CASTING	NOTES
ADJ-1	AS 4865-012	12+96.16	RT-19.43	4X4 SAS	883.54	883.18	

## STORM STRUCTURE REMOVAL

STRUC NO.	STRUC ID	STATION	LOCATION (OFFSET)	TYPE	NOTES
R-1	AS 4865-001	13+68.26	RT-19.54	H INLET	

**NOTE:** PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL

## SPECIAL NOTES:

- 1) PLACE SEWER ELECTRONIC MARKER ABOVE STORM SEWER TAP AND BEND LOCATIONS (BID ITEM 50390)
- 2) OFFSET CASTING 6" FROM CENTER TOWARDS PARKING LOT/RIGHT OF WAY LINE
- \* 3) INSTALL CUTOFF WALL WITH APRON ENDWALL IN ACCORDANCE WITH CITY OF MADISON S.D.D. 5.4.4

## 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 LAUREN STRIEGL OF CITY ENGINEERING AT (608) 266-4094, LSTRIEGL@CITYOFMADISON.COM, FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608) 264-9275.
- INLETS LOCATED IN TYPE "H" CURB SHALL BE INSTALLED PER S.D.D. 5.7.27

CROSS SECTIONS

PERRY STREET

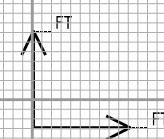
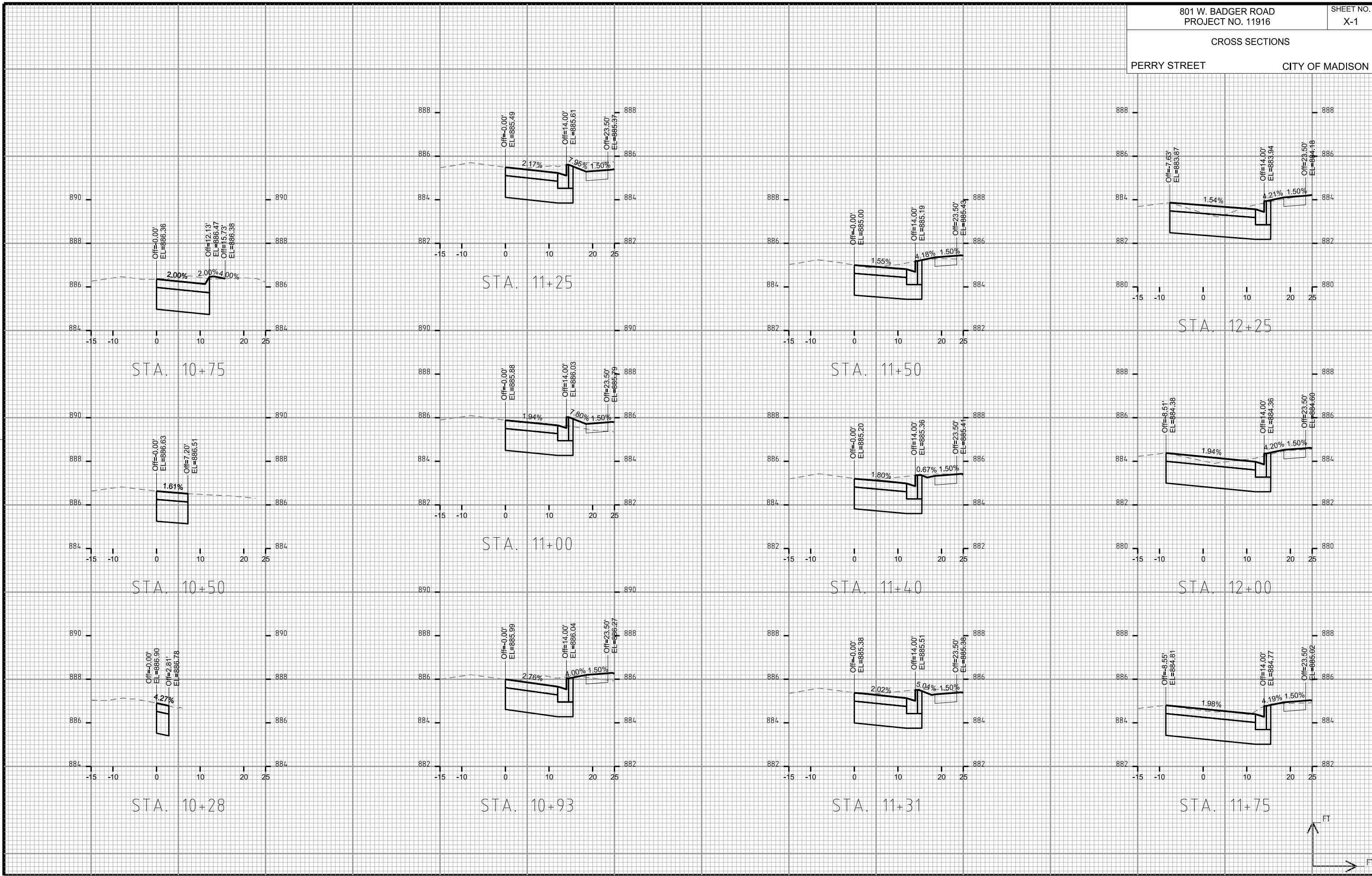
CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

PERRY STREET

CITY OF MADISON

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