

Madison, Wisconsin

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CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

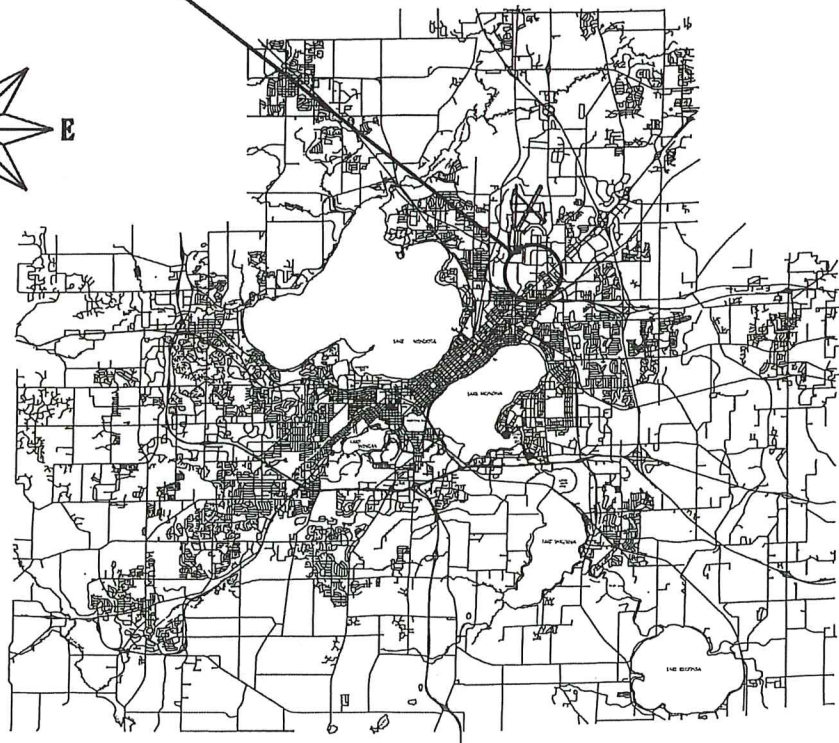
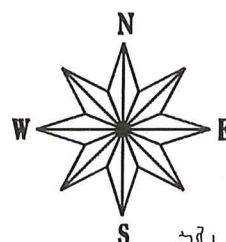
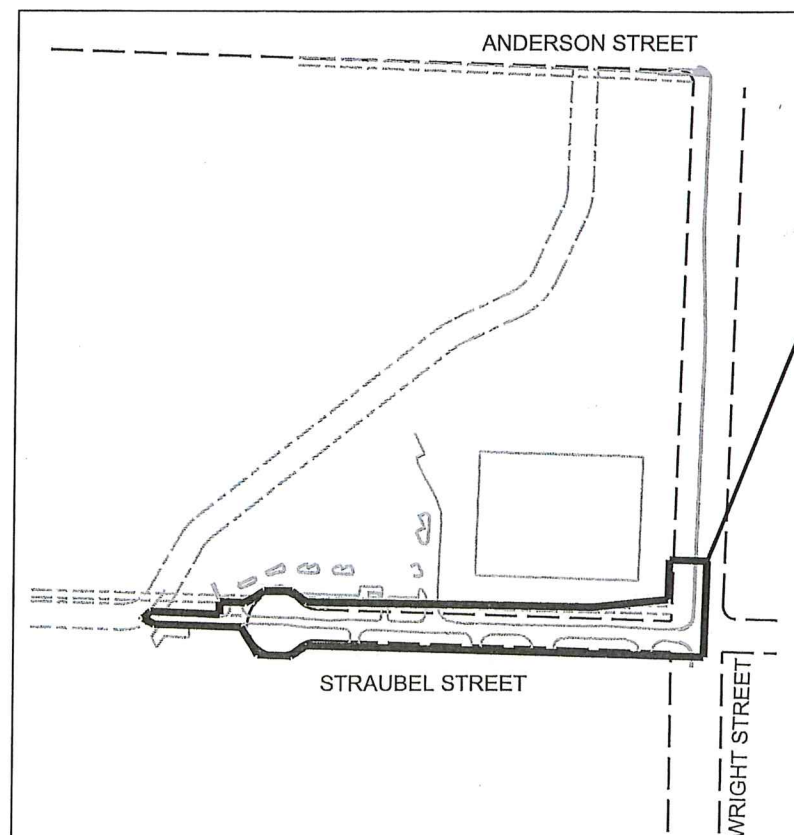
3201 ANDERSON STREET –
STRAUBEL STREET IMPROVEMENT

CITY PROJECT NO. 12584

CITY CONTRACT NO. 8373

MUNIS NO. 12584

PROJECT
LOCATION



PUBLIC IMPROVEMENT PROJECT
APPROVED

APRIL 16, 2019

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

City Engineer

Date

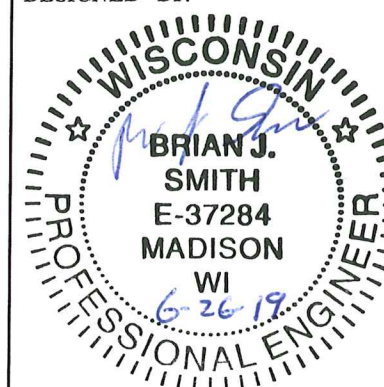
STREET GEOMETRY &
DESIGNED BY:



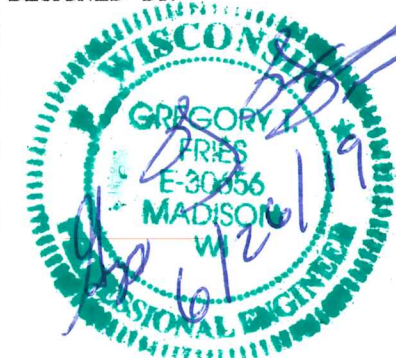
STREET GRADES
DESIGNED BY:



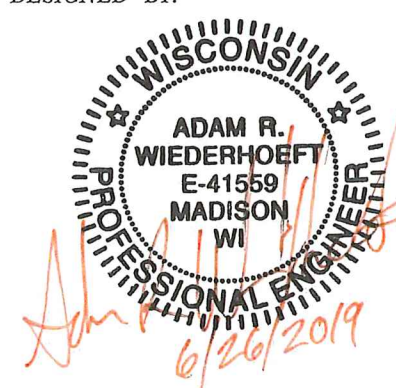
ELECTRICAL
DESIGNED BY:



STORM SEWER
DESIGNED BY:



WATER
DESIGNED BY:



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, 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

CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS

STORM SEWER

SANITARY SEWER

WATER

OVERHEAD ELECTRIC

POWER POLE

ADA COMPLIANT RAMP W/
DETECTABLE WARNING FIELD

COMBUSTIBLE FLUIDS

— G —

— ST —

— SAN —

— W —

— OH —

ALL PAVEMENT IN THE STRAUBEL STREET RIGHT-OF-WAY SHALL BE TYPE B PAYEMENT 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 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. 3.03. 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.

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

STRAUBEL STREET
PROJECT NO. 12584

SHEET NO.
D-1

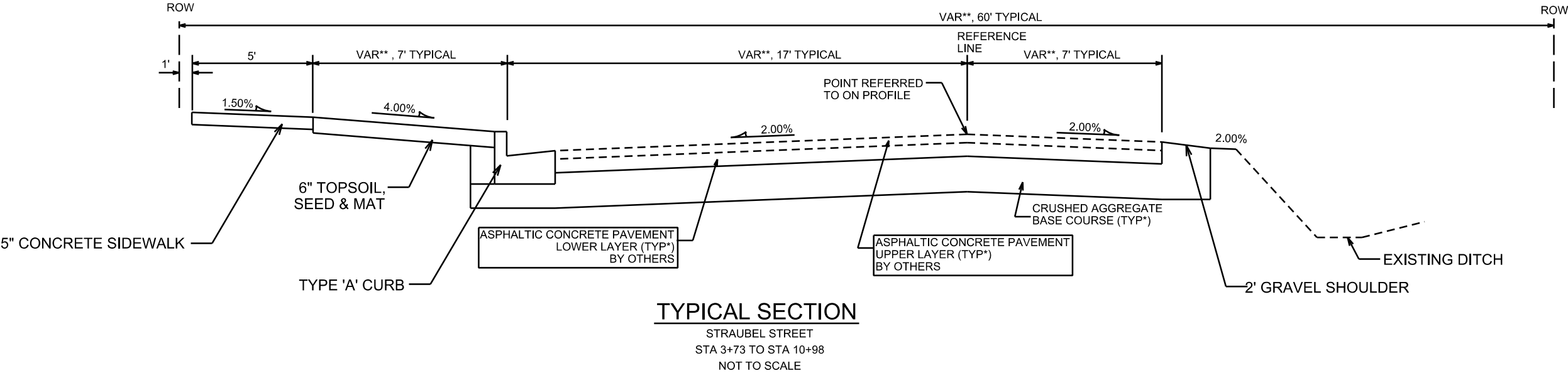
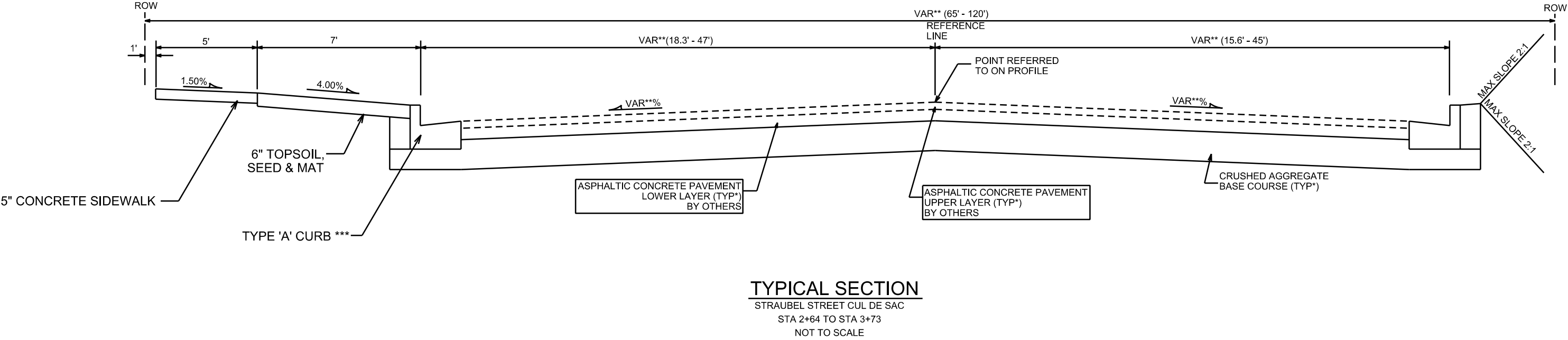
DETAIL

STANDARD NOTES
AND COMMENTS

CITY OF MADISON

FILE NAME: M:\DESIGN\Projects\12584\Streets\Desgn\12584EN-D1_GenINote.dgn

DATE: 5/31/2019



NOTES:

- * STRAUBEL STREET SHALL BE CONSTRUCTED AS TYPE 'B' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN †
- † ASPHALT PAVEMENT TO BE CONSTRUCTED BY OTHERS
- ** SEE PLANS AND CROSS SECTIONS FOR DETAILS AND DIMENSIONS
- *** TYPE 'A' MOUNTABLE CURB AND GUTTER AT BACK HALF OF CUL DE SAC FROM STA 2+64 TO STA 3+10 (SEE S.D.D. 3.05).

† CITY OF MADISON MINIMUM PAVEMENT DESIGN

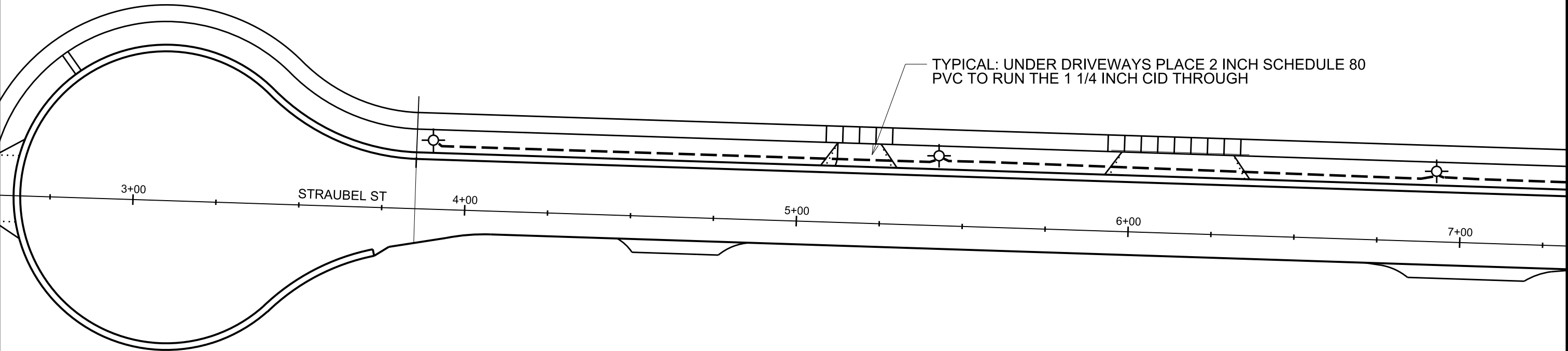
TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S/H	3.50"	4 MT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

LEGEND

-  INSTALL CITY FURNISHED CONCRETE STREET LIGHT UNIT
-  CONSTRUCT TYPE-1 ELECTRICAL HANDHOLE
-  INSTALL 1 1 / 4 INCH CABLE IN DUCT
-  INSTALL 2 INCH STREET LIGHING PVC CONDUIT
-  EXISTING STREET LIGHT POLE
-  EXISTING STREET LIGHT CONDUIT



Scale: 1"= 30'



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 BECKY QUREISHI (267-8849) AT LEAST 24-HOURS IN ADVANCE OF NEEDING BASE LOCATIONS MARKED.
2. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2019 EDITION AND ALL ADDENDUMS THERTO. ALL CONDUIT SHALL BE PVC SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
3. THE CONTRACTOR SHALL CALL TROY VANT (266-4767) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF BURYING CONDUIT AND INSTALLING ELECTRICAL HANDHOLES AND PLACING STREET LIGHT POLES TO ARRANGE FOR INSPECTION.
4. THE CONTRACTOR SHALL FURNISH AND INSTALL 1 1 / 4 INCH CABLE-IN-DUCT BY "OPEN TRENCH" METHOD.
5. THE CONTRACTOR SHALL INSTALL CITY-FURNISHED CONCRETE POLE STREET LIGHT UNITS.
6. THE FOLLOWING CITY FURNISHED MATERIALS ARE TO BE PICKED UP AT THE TRAFFIC OPERATION SHOP, 1120 SAYLE STREET. NOTIFY ED SMITH (266-9034) 24-HOURS PRIOR TO PICKING UP THE MATERIAL:
29' CONCRETE POLES: 5
6' ARMS: 5
LED FIXTURES: 5

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

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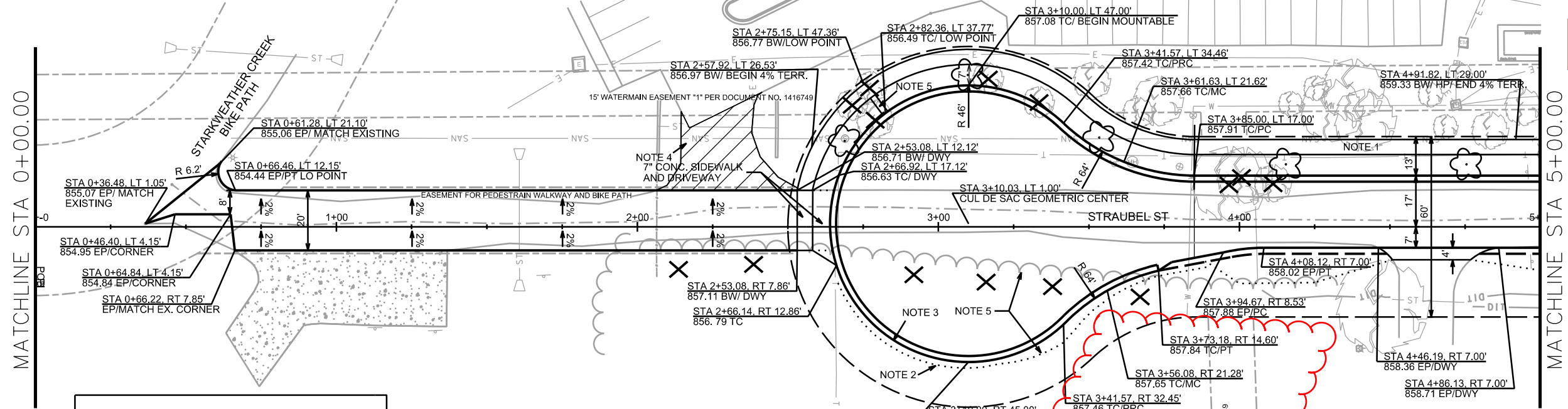
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PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

REVISED BY IO
9/5/19

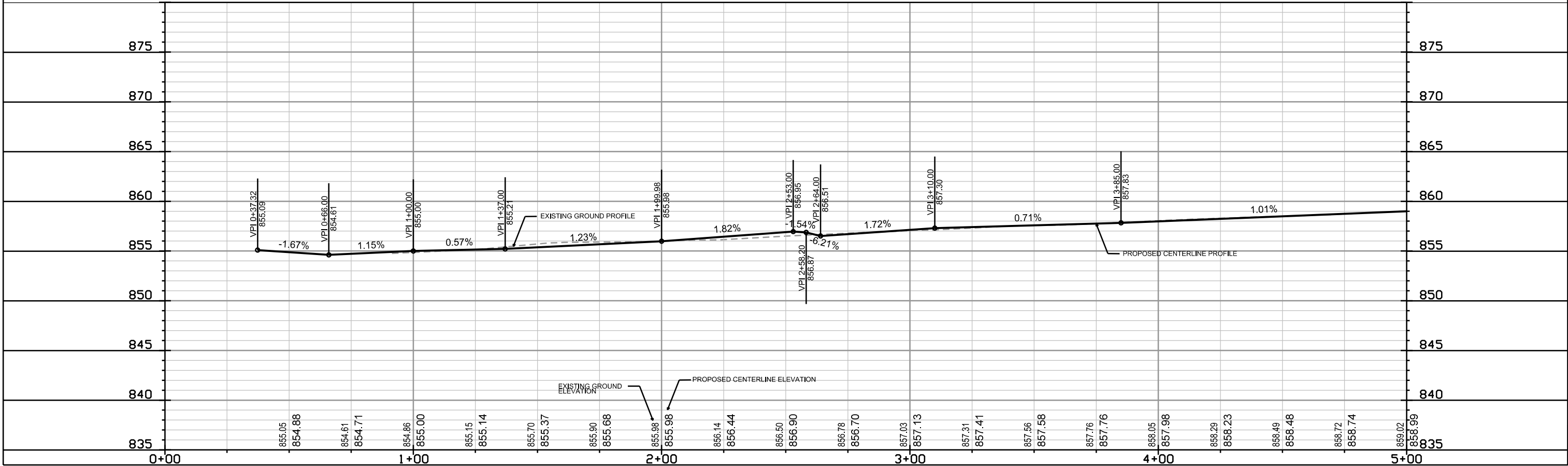


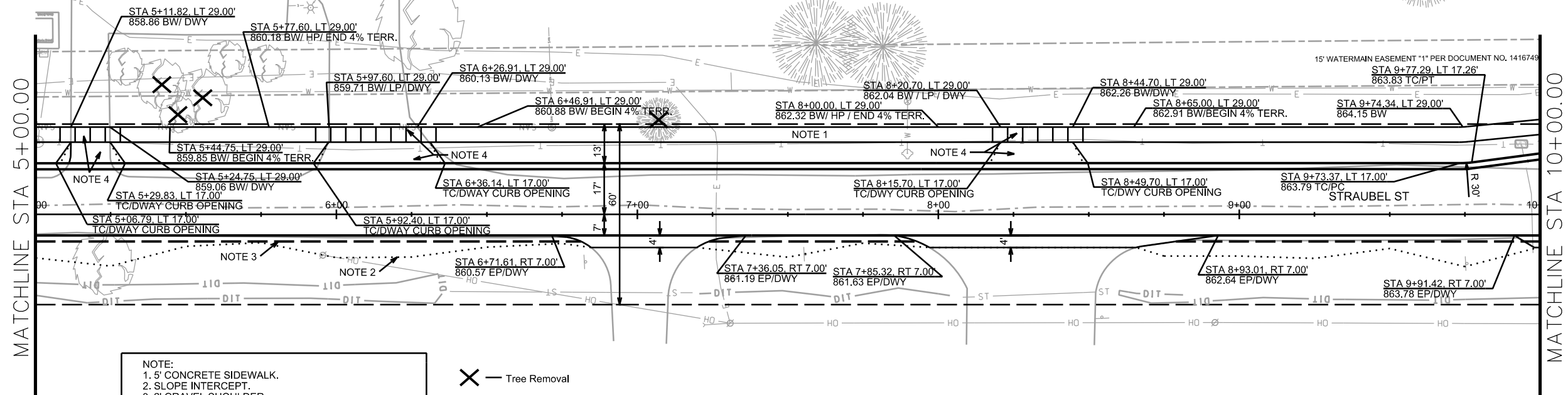
- NOTE:
1. 5' CONCRETE SIDEWALK
 2. SLOPE INTERCEPT
 3. TYPE A MOUNTABLE CURB & GUTTER, SEE S.D.D. 3.05
 4. OBLITERATE CONCRETE AND SQUARE PARKING LOT CORNER.
 5. REMOVE SHRUBS AND TREES UP TO SLOPE INTERCEPT.
- ALL AGGREGATE WORK ON STRAUBEL ST BY DEVELOPER.
ALL ASPHALT WORK ON STRAUBEL ST BY CITY.

✕ — Tree Removal

- 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. CITY FORESTRY WILL ISSUE A REMOVAL PERMIT FOR ALL TREES IN THE RIGHT OF WAY IDENTIFIED ON PLANS DUE TO INSTALLATION OF NEW SIDEWALK AND UPGRADE OF ROAD. PLEASE CONTACT BRAD HOFMANN BHOEMANN@CITYOFMADISON.COM OR 266-4816 TO OBTAIN THE STREET TREE REMOVAL PERMIT.

- CONTRACTOR SHALL CONTACT CITY FORESTRY BRAD HOFMANN BHOEMANN@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.

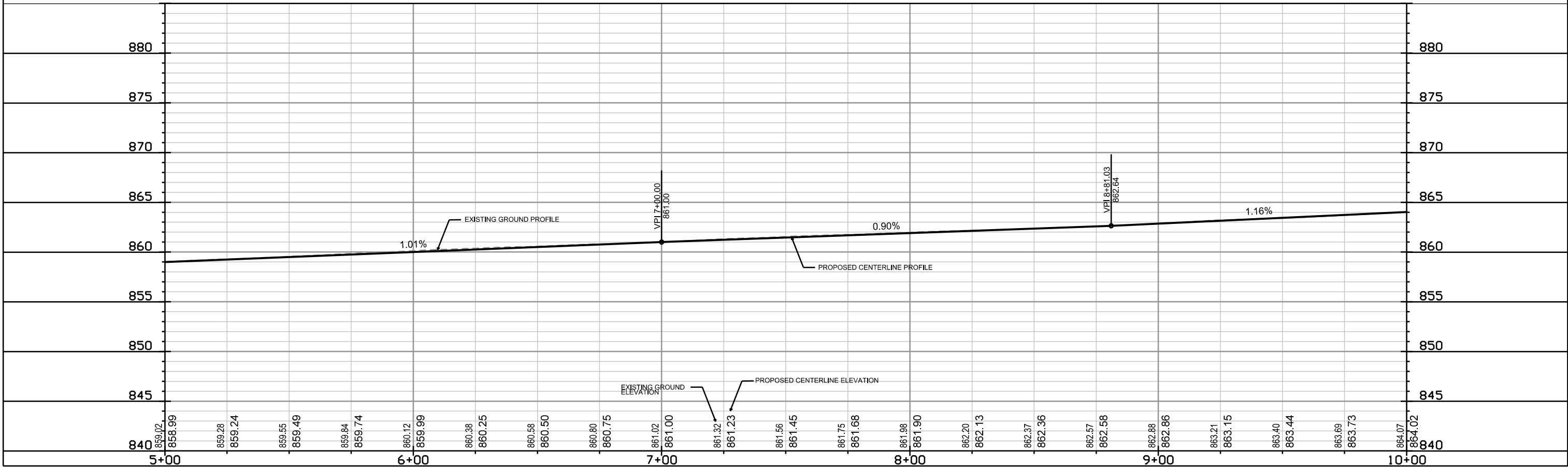


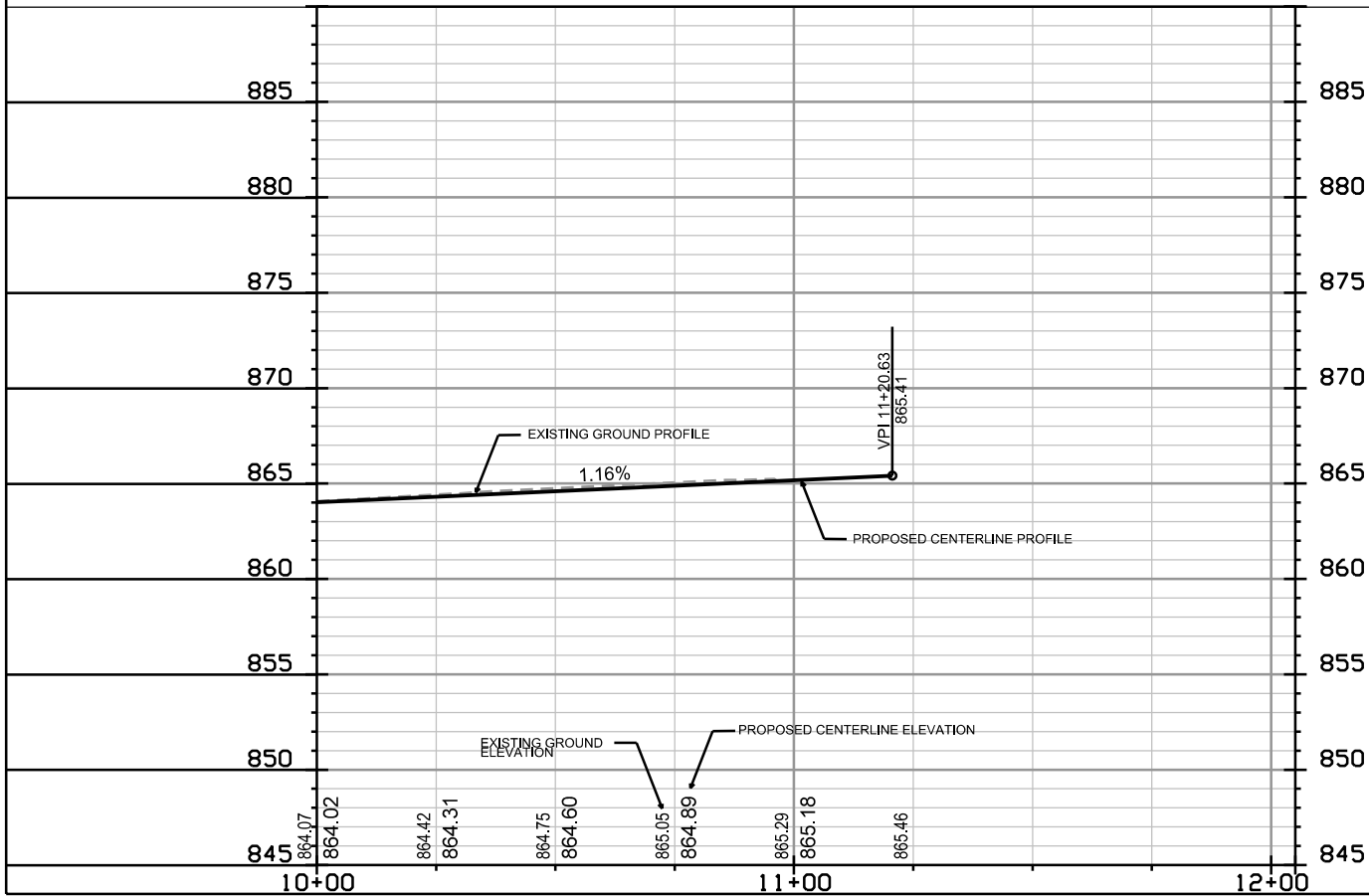
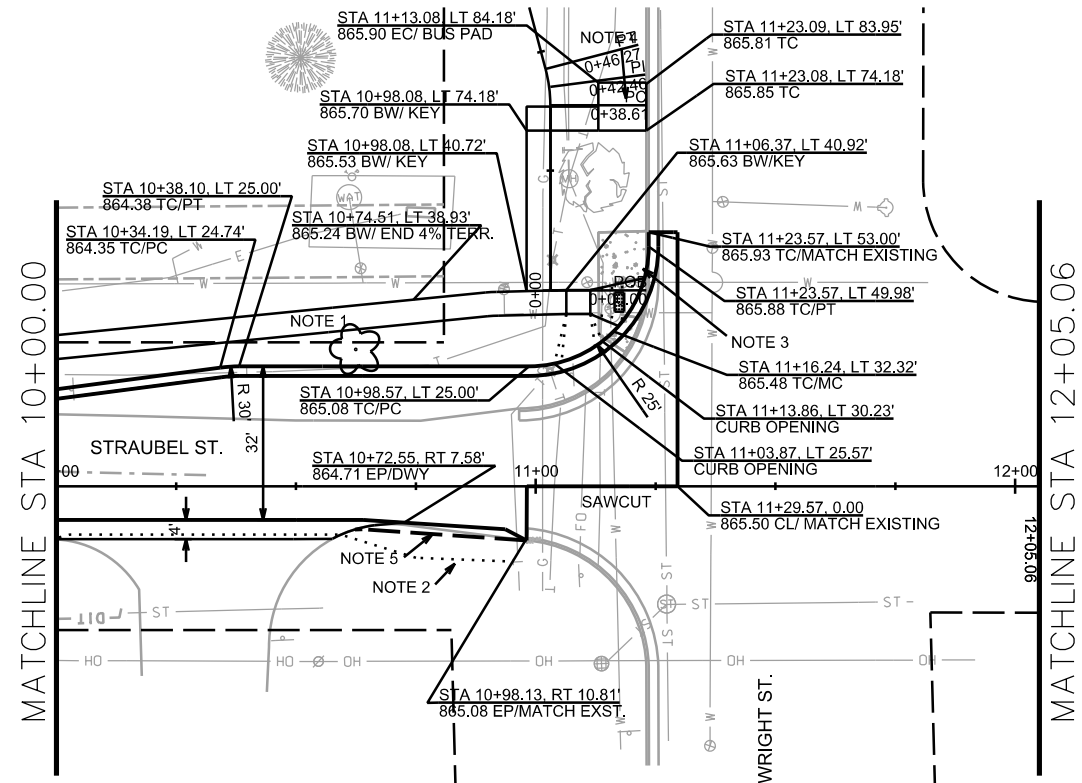


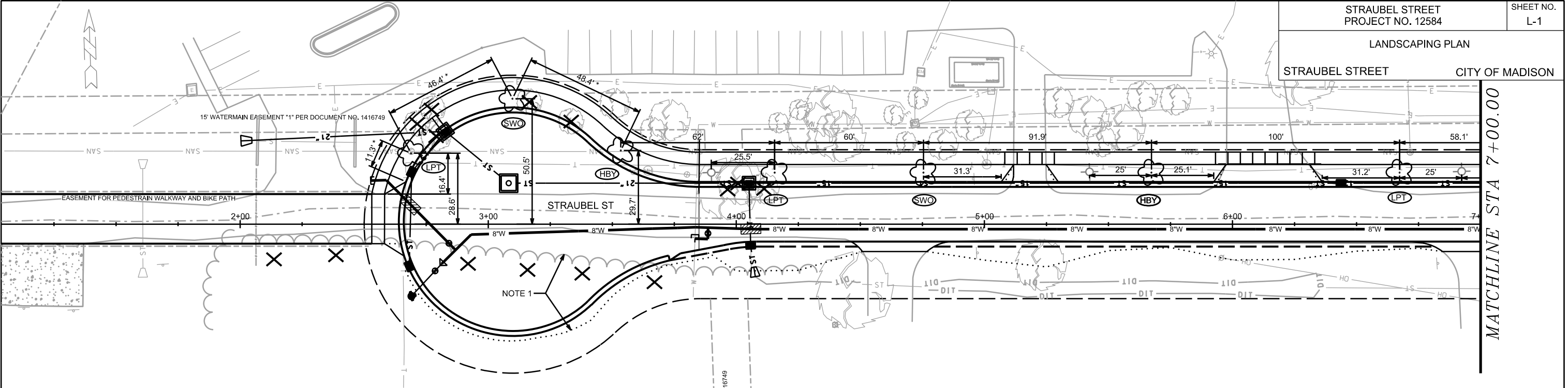
NOTE:
1. 5' CONCRETE SIDEWALK.
2. SLOPE INTERCEPT.
3. 2' GRAVEL SHOULDER.
4. 7\"/>

✕ — Tree Removal

- 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 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.







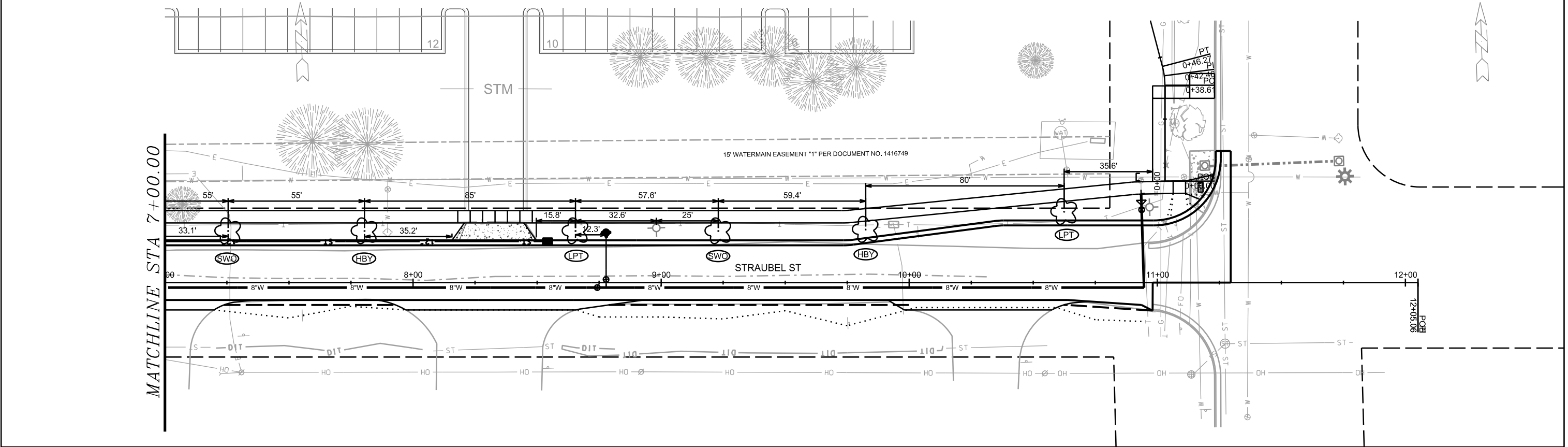
NOTES:
* = DIMENSION IS STRAIGHT LINE DISTANCE FROM CENTER OF TREE. ALL OTHER DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO STREET CENTER AND ARE FROM CENTER OF TREE TO EDGE OF DRIVEWAY TAPER, HYDRANT OR SIDEWALK CORNER.
1. REMOVE SHRUBS AND TREES UP TO SLOPE INTERCEPT.

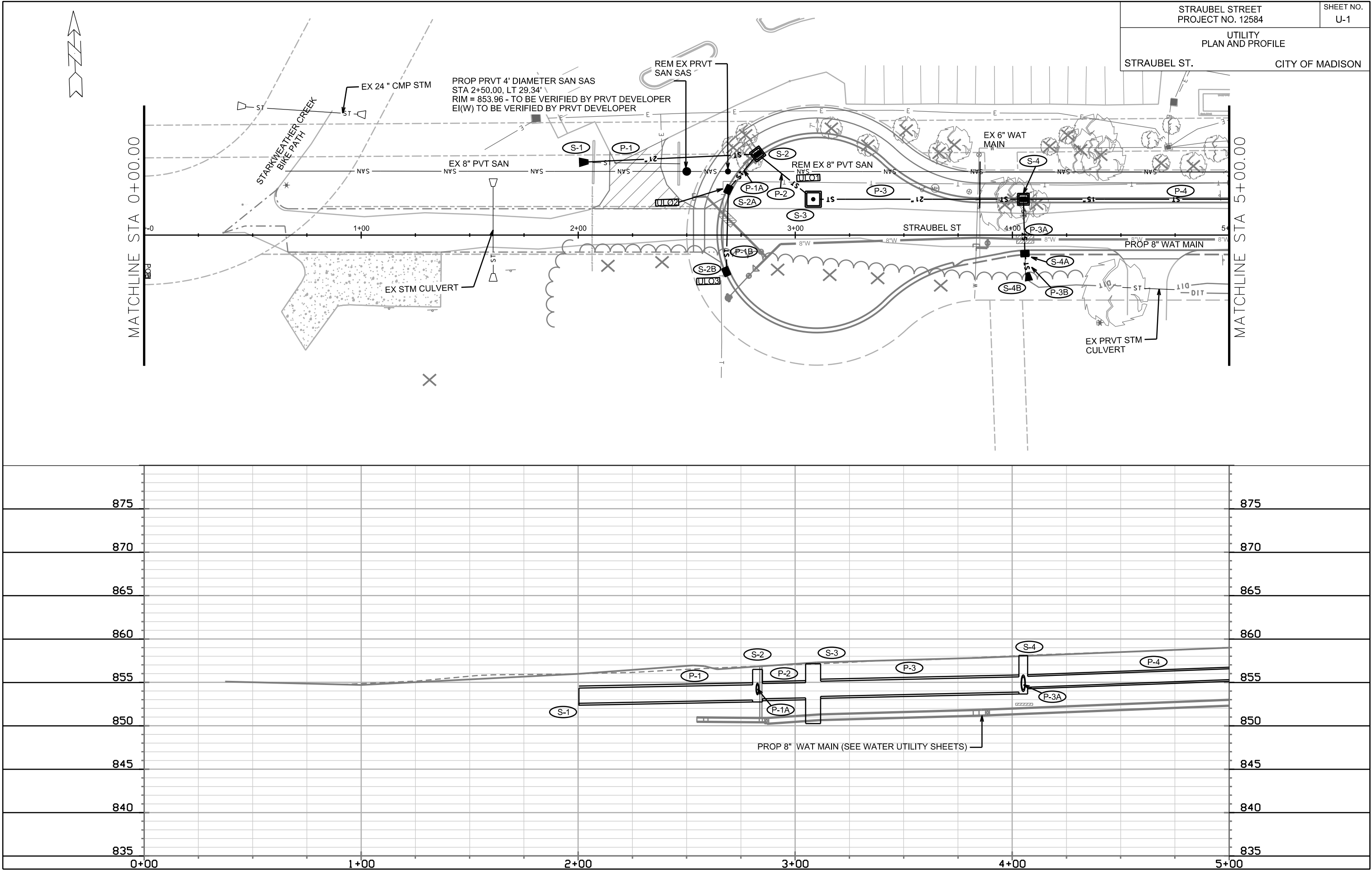
ANY TREE REMOVALS THAT ARE REQUIRED FOR CONSTRUCTION WILL REQUIRE AT LEAST A 72 HOUR WAIT PERIOD BEFORE A TREE REMOVAL PERMIT CAN BE ISSUED BY FORESTRY. TO NOTIFY THE ALDER OF THE CHANGE IN THE TREE PLAN, CITY FORESTRY WILL ISSUE A REMOVAL PERMIT FOR ALL TREES IN THE RIGHT OF WAY IDENTIFIED ON PLANS DUE TO INSTALLATION OF NEW SIDEWALK AND UPGRADE OF ROAD. PLEASE CONTACT BRAD HOFMANN BHOFFMANN@CITYOFMADISON.COM OR 266-4816 TO OBTAIN THE STREET TREE REMOVAL PERMIT.

CONTRACTOR SHALL CONTACT CITY FORESTRY BRAD HOFMANN BHOFFMANN@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.

KEY AND TREE PLANTING SCHEDULE
X = TREE REMOVAL

CODE	COMMON NAME	SPECIES	SIZE	QUANTITY
SWO	SWAMP WHITE OAK	QUERCUS BIRCOLOR	2"	4
LPT	LONDON PLANETREE EXCLAMATION	PLATANUS X ACERIFOLIA 'MORTON CIRCLE'	2"	5
HBY	HACKBERRY	CELTIS OCCIDENTALIS	2"	4



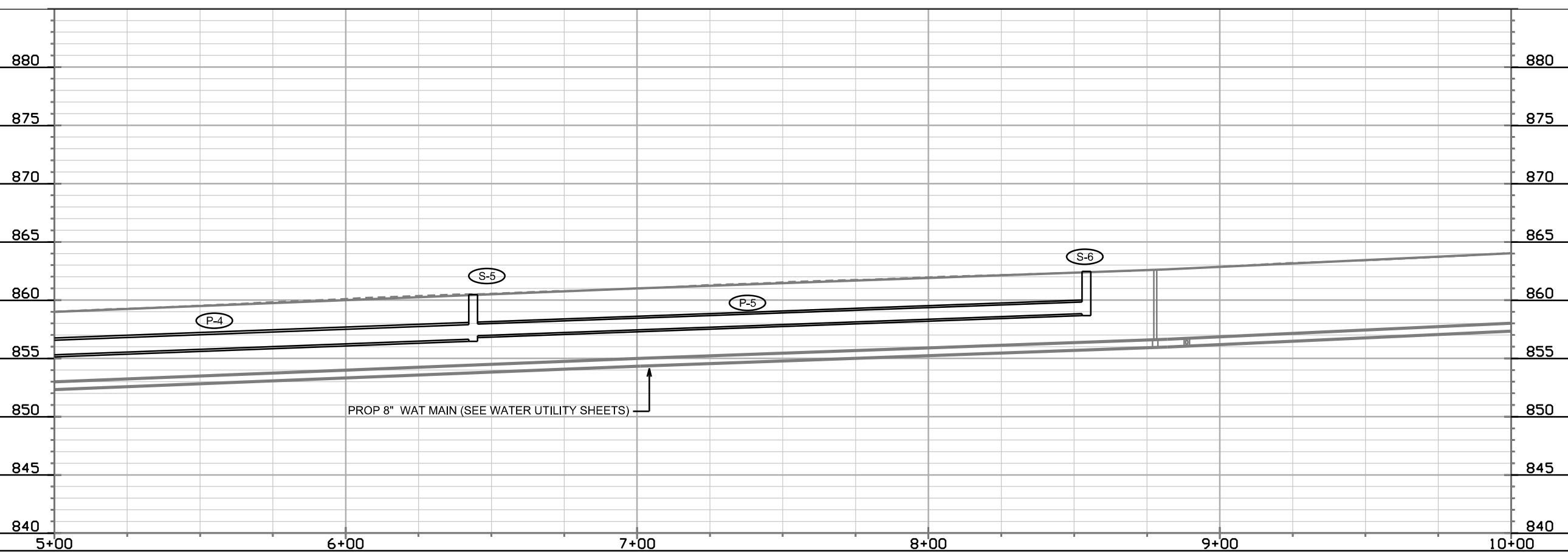
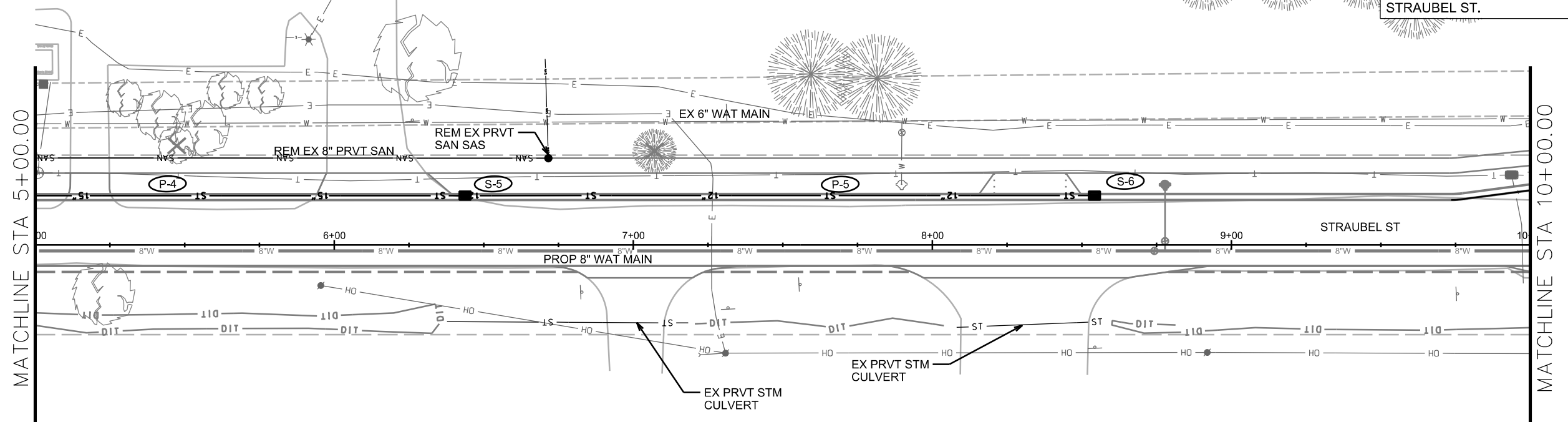


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STORM SEWER SCHEDULE

STORM SEWER SCHEDULE

CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
STRAUBEL ST							
S-1	2+00.36	LT-33.54	21" APRON ENDWALL	-	852.74	-	
S-2	2+82.66	LT-37.37	4X4 SAS	856.49	852.99	3.50	LP; FP; W/3067-7009
S-2A	2+69.14	LT-21.03	H INLET	856.61	853.83	2.78	FP; W/3067-7009
S-2B	2+68.16	RT-16.89	H INLET	856.82	854.11	2.71	FP; W/3067-7009
S-3	3+08.26	LT-16.50	6X6 CATCHBASIN	857.15	853.25	3.90	(1); FP; W/1550-054x2
S-4	4+05.09	LT-16.50	4X4 SAS	858.11	853.90	4.21	FP; W/3067-7004-V
S-4A	4+05.78	RT-8.56	H INLET	857.78	854.74	3.04	FP; W/1878-B7G
S-4B	4+07.65	RT-21.12	18" APRON ENDWALL	-	855.15	-	
S-5	6+43.76	LT-16.50	H INLET	860.47	856.67	3.80	FP; W/3067-7004-V
S-6	8+54.20	LT-16.50	H INLET	862.47	858.87	3.60	W/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
STRAUBEL ST										
P-1	S-1	S-2	852.59	852.99	82	80	0.50%	21"	TYPE II	
P-1A	S-2	S-2A	853.74	853.83	21	18	0.51%	12"	TYPE II	
P-1B	S-2A	S-2B	853.93	854.11	38	35	0.52%	12"	TYPE II	
P-2	S-2	S-3	853.09	853.25	33	27	0.59%	21"	RCP	
P-3	S-3	S-4	853.35	853.90	97	92	0.60%	21"	RCP	
P-3A	S-4	S-4A	854.15	854.74	25	22	2.67%	18"	RCP	
P-3B	S-4A	S-4B	854.84	855.15	13	12	2.65%	18"	TYPE II	
P-4	S-4	S-5	854.40	856.67	239	235	0.97%	15"	TYPE II	
P-5	S-5	S-6	856.92	858.87	210	207	0.94%	12"	TYPE II	

STORM SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO1	2+98.58	LT-24.39	TEL	
ULO2	2+66.73	LT-20.69	TEL	
ULO3	2+65.74	RT-17.12	TEL	

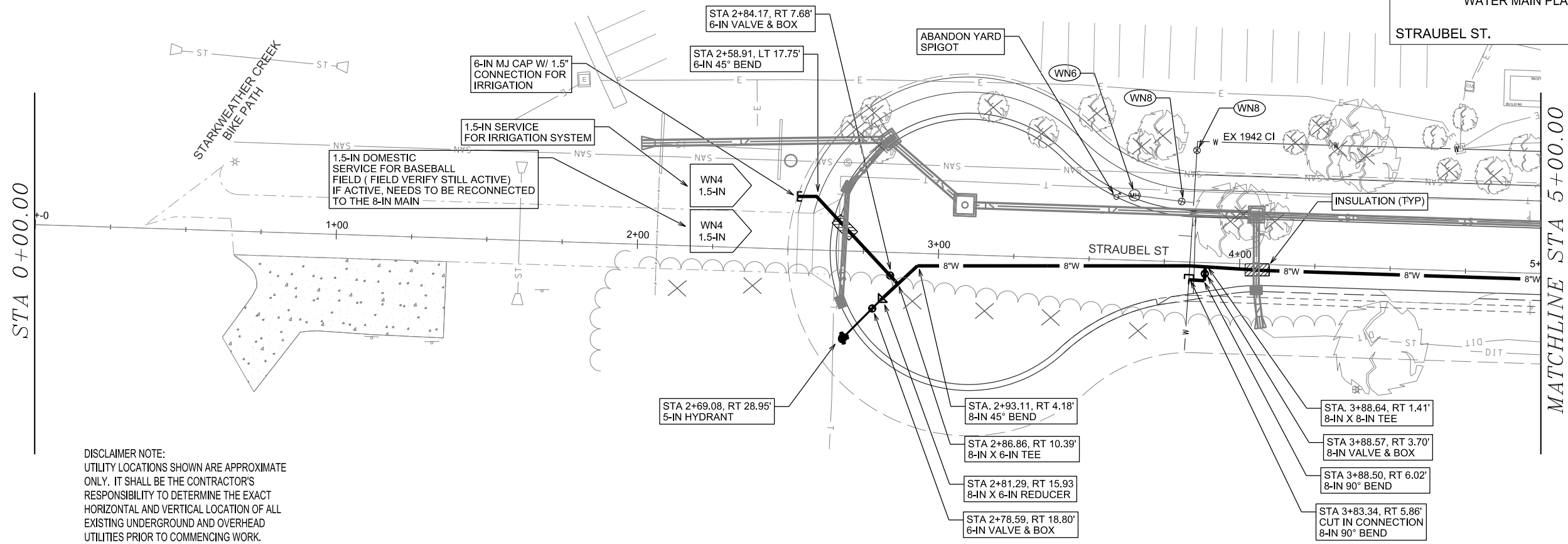
NOTE: PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

STANDARD NOTES:

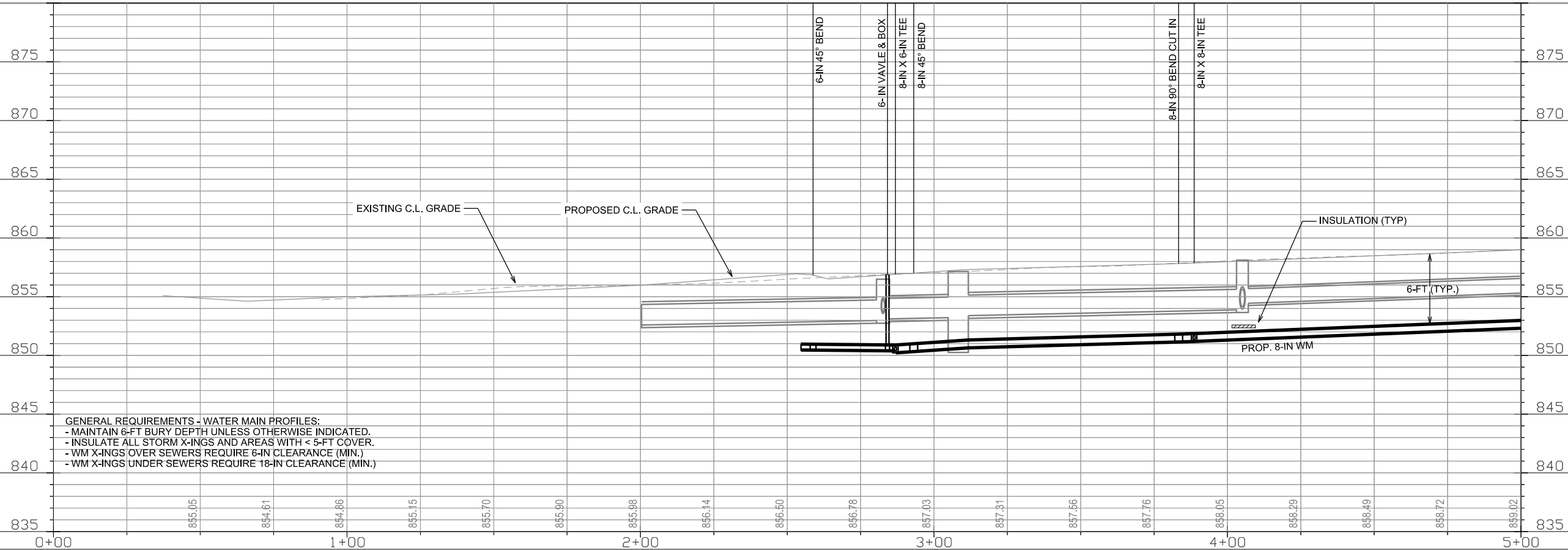
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = 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 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.

SPECIFIC NOTES

(1) INVERT GIVEN IS FOR OUTGOING PIPE; ADD 3' SUMP; CONSTRUCT PER S.D.D. 5.7.4; INCLUDES 2 CASTINGS



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.



- 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.)

WATER MAIN PLAN AND PROFILE

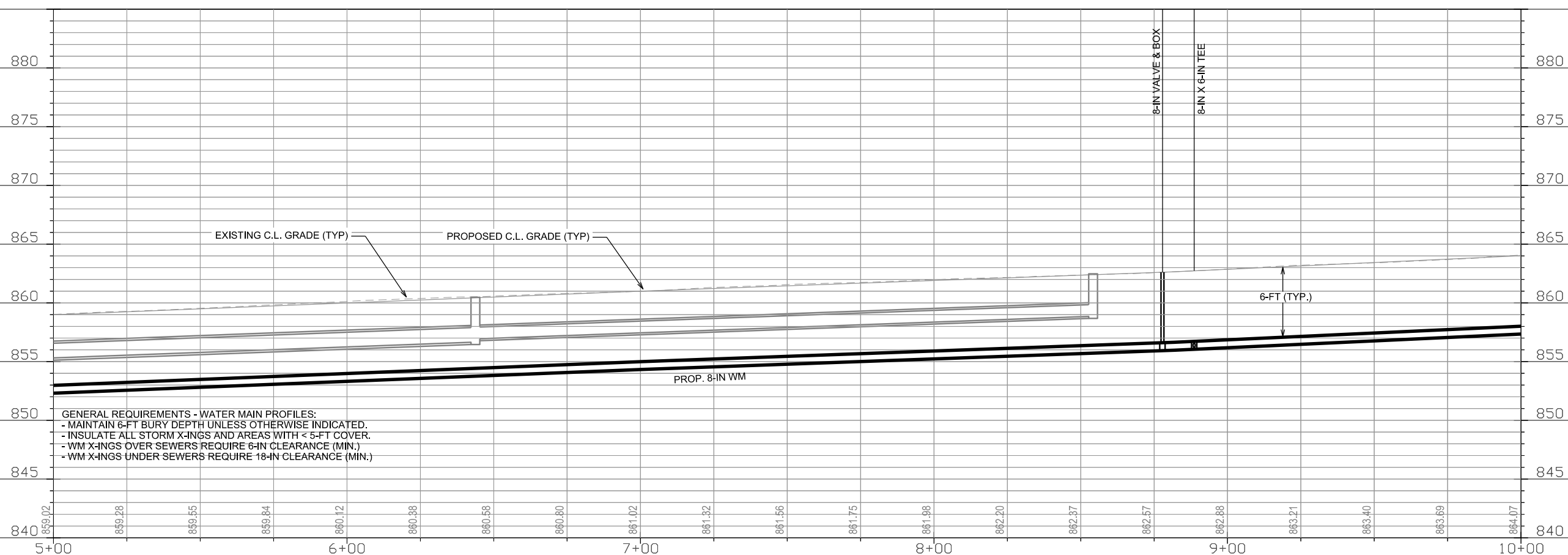
CITY OF MADISON

STRAUBEL ST.

MATCHLINE STA 5+00.00

MATCHLINE STA 10+00.00

DISCLAIMER NOTE:
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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.)

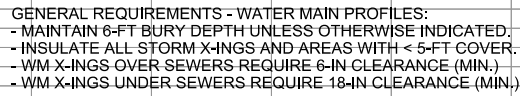
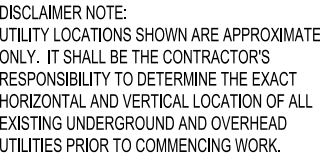
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

STRAUBEL ST. CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

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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 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 EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. THE EXISTING UTILITIES SHOWN ON THIS PLAN 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.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 ABANDON THE VALVE BOX.
- WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

65-FT - 6-IN PIPE	1 - 10-IN MJ PLUG
860-FT - 8-IN PIPE	1 - 8-IN MJ CAP
5-FT - 10-IN PIPE	
3 - 6-IN VALVE & BOX	1 - 10-IN TO 9-IN REDUCER
3 - 8-IN VALVE & BOX	1 - 8-IN TO 6-IN REDUCER
1 - 10-IN X 10-IN TEE	16-FT - 2-IN STYROFOAM INSULATION
2 - 8-IN X 6-IN TEE	
1 - 8-IN X 8-IN TEE	930-FT - POLY WRAP
1 - 10-IN 90° BEND	1.5-IN TO 2-IN COPPER (AS REQ'D)
2 - 8-IN 90° BEND	
2 - 8-IN 45° BEND	
1 - 6-IN 45° BEND	

ESTIMATE OF MATERIALS SUPPLIED BY MWU:

** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

N/A

ESTIMATE OF MATERIALS REUSED:

** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

1 - 5-IN HYDRANT

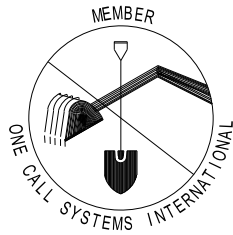
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE
TOLL FREE

811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860

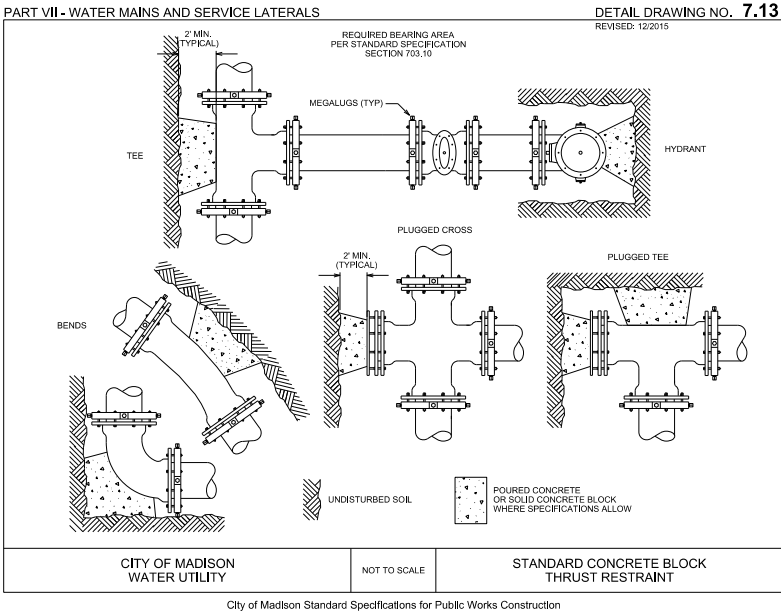
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

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.

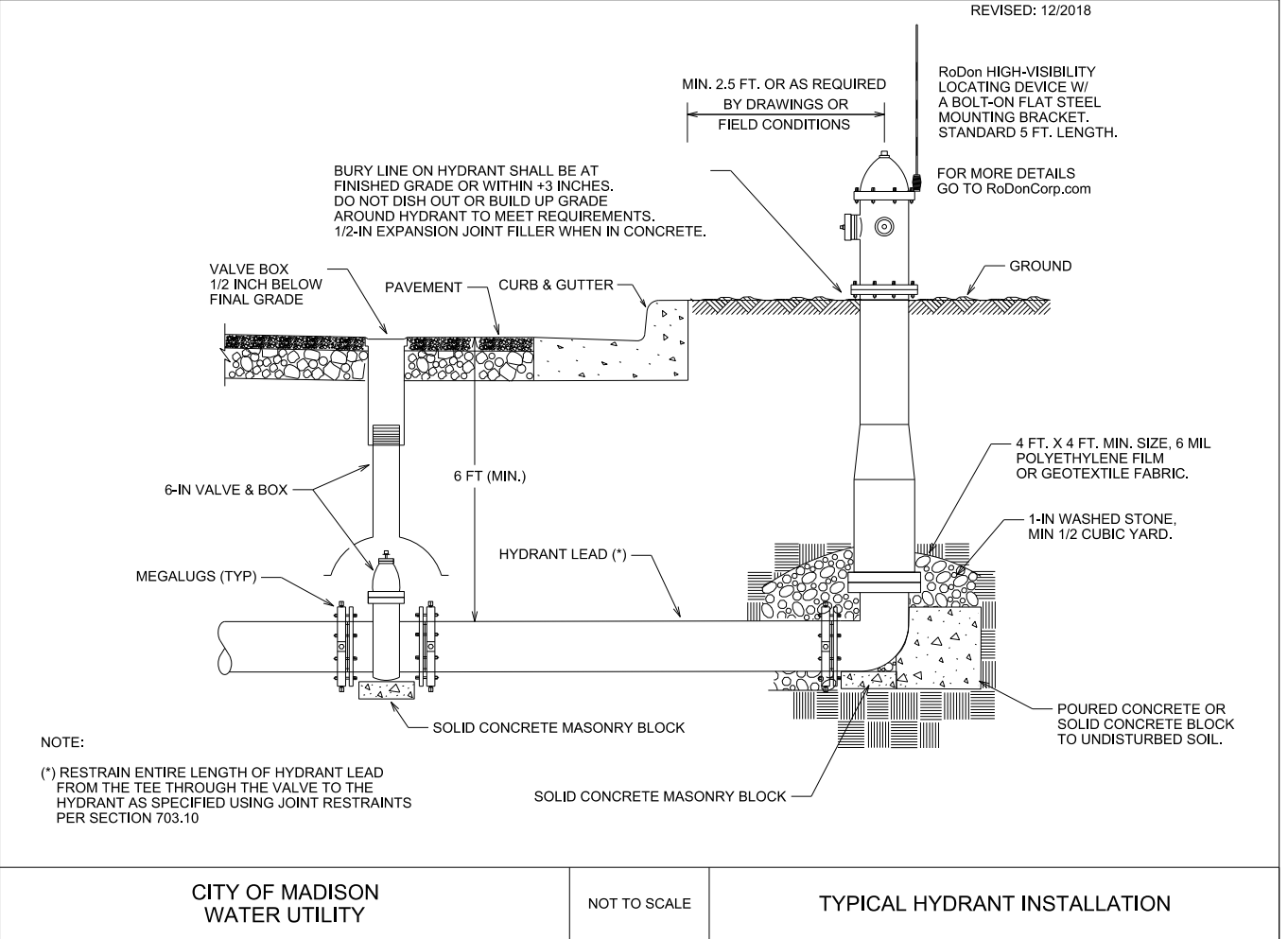
STRAUBEL STREET PROJECT NO. 12584	SHEET NO. W-4
WATER ESTIMATE OF MATERIALS	
STRAUBEL ST.	CITY OF MADISON



PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2018

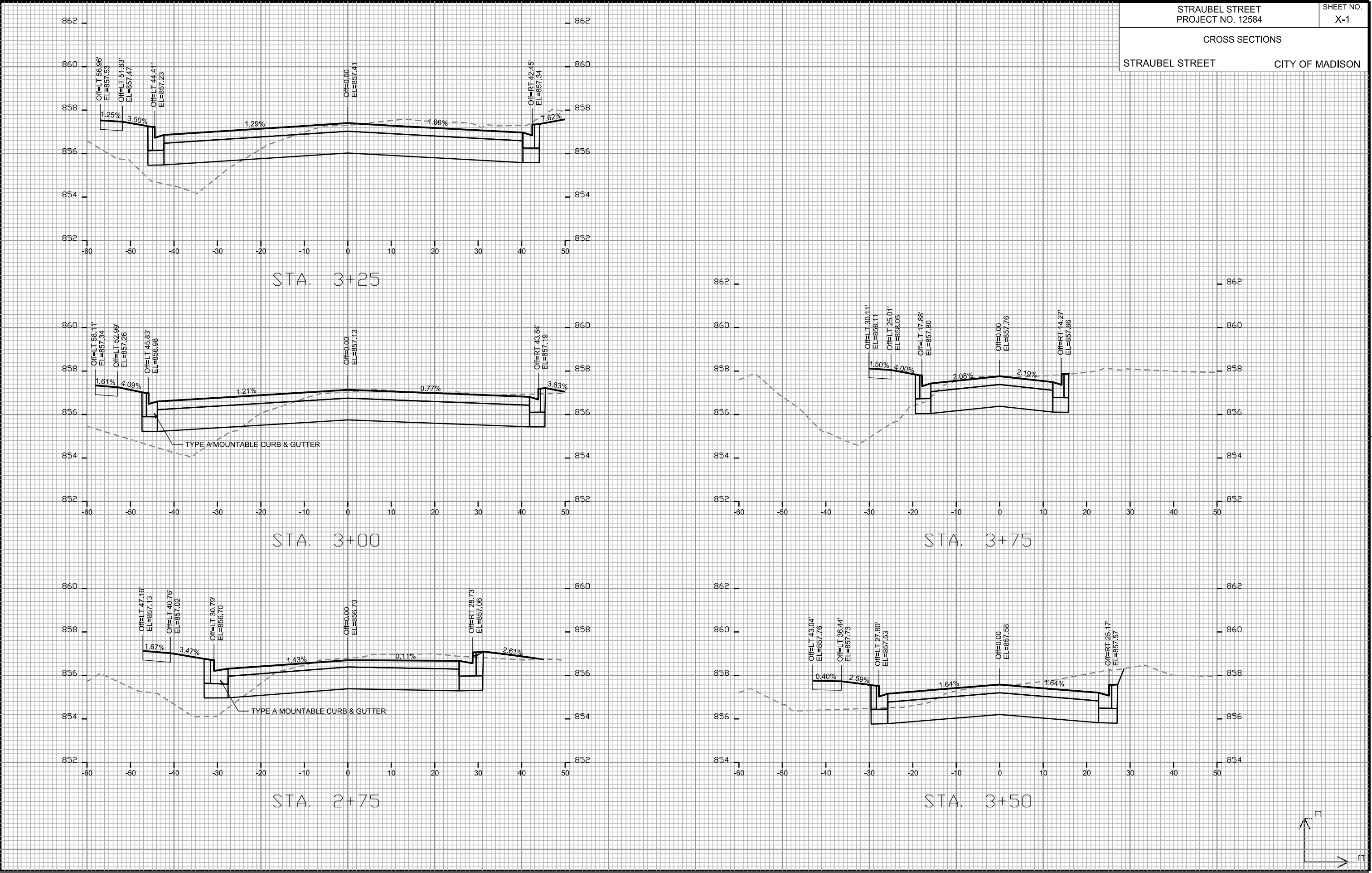


PLOT SCALE: _____

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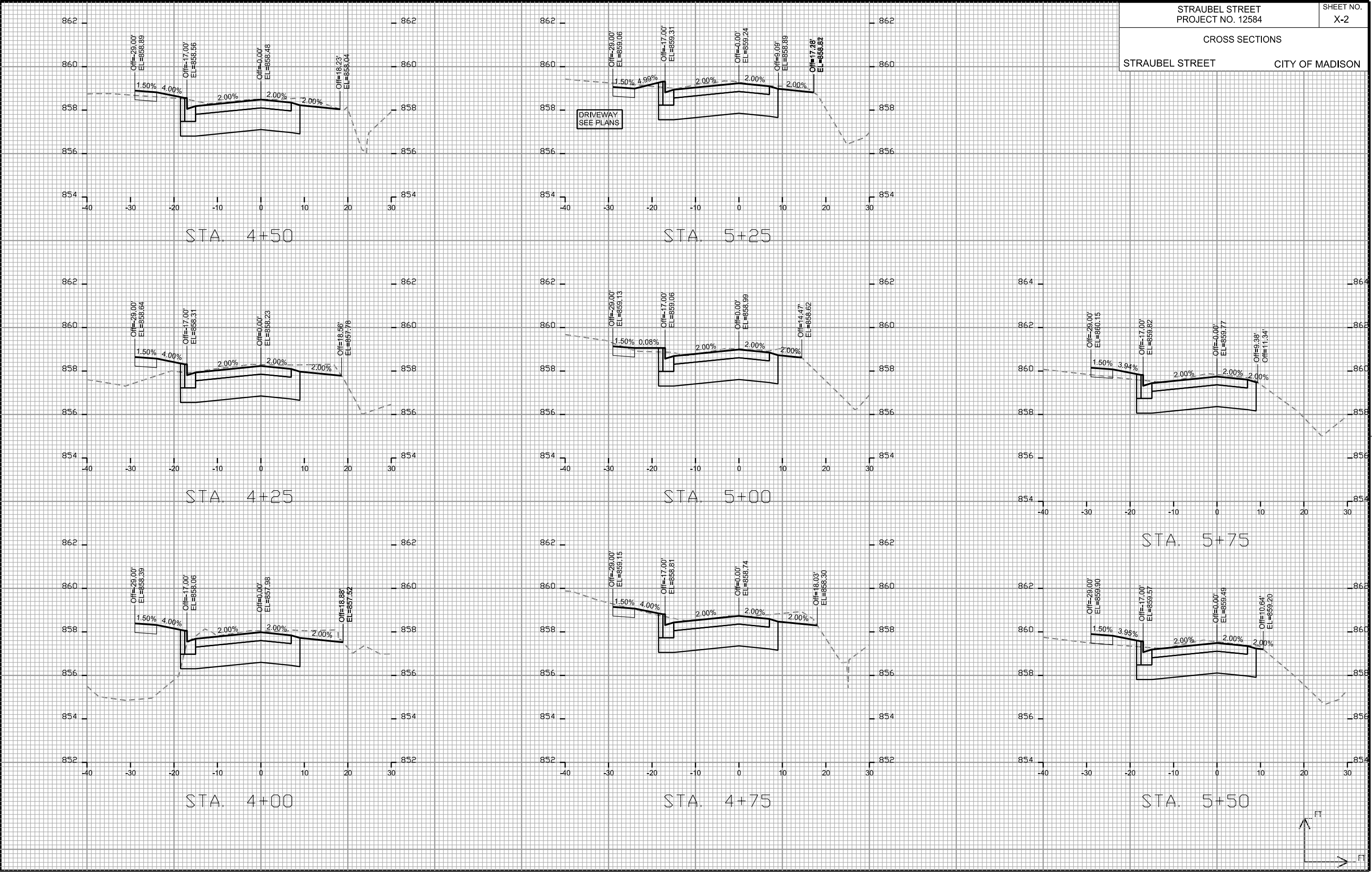


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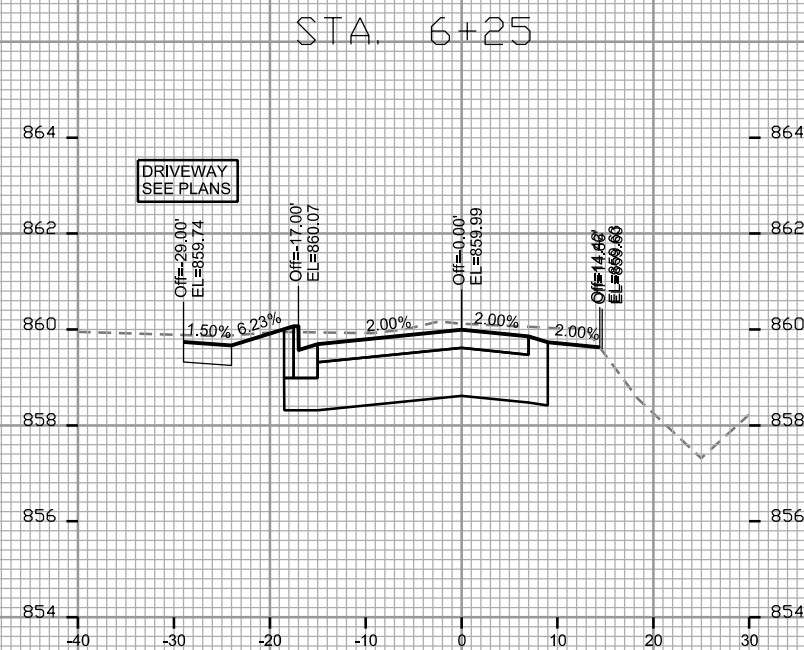
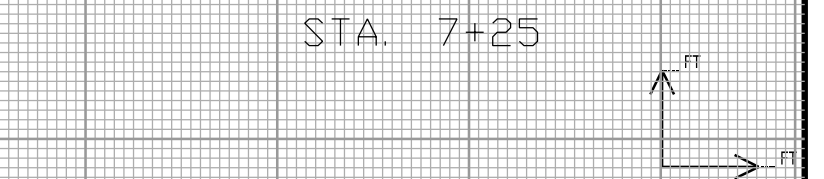
PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STRAUBEL STREET	CITY OF MADISON
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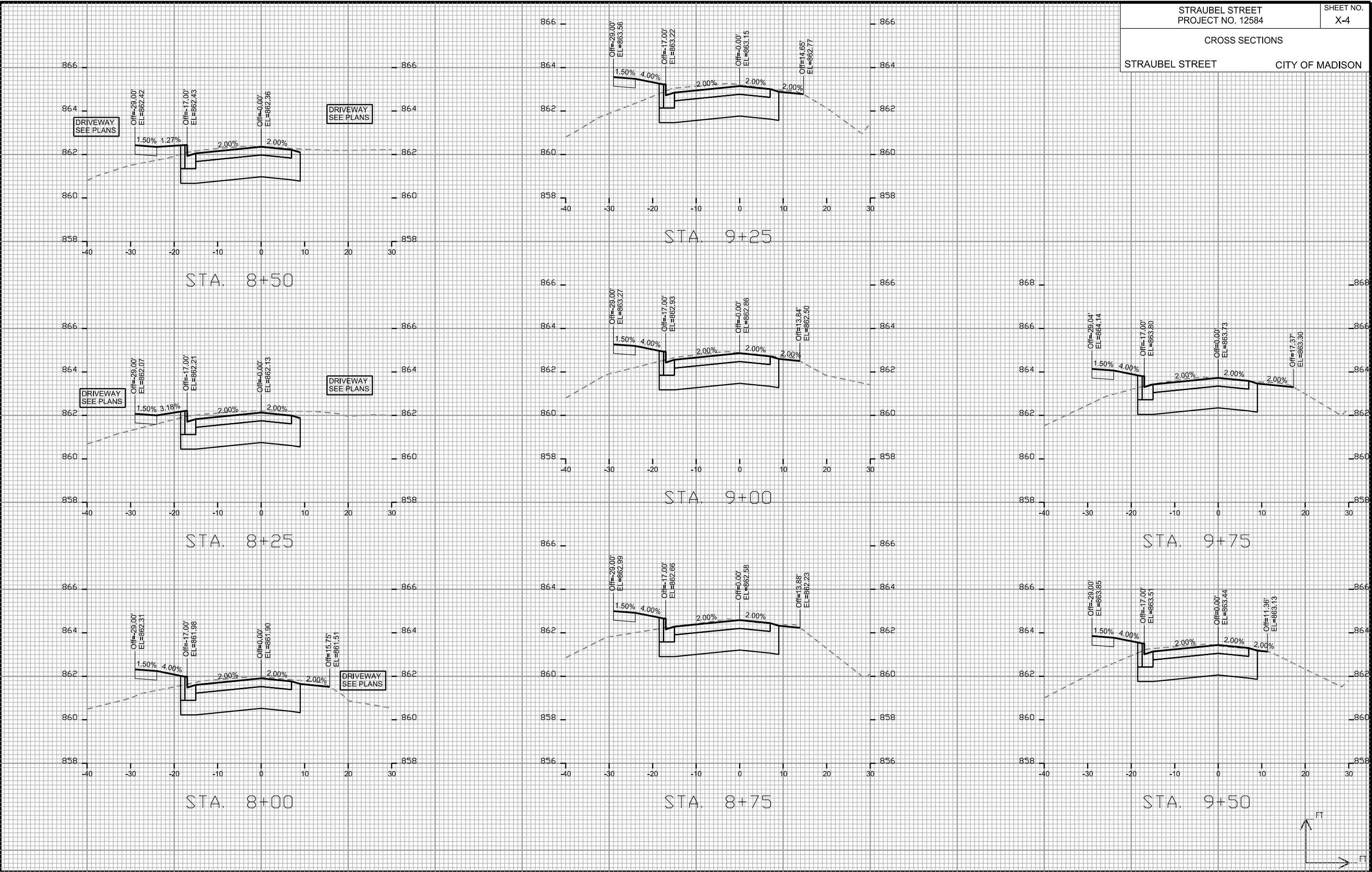
DRIVEWAY
SEE PLANS

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

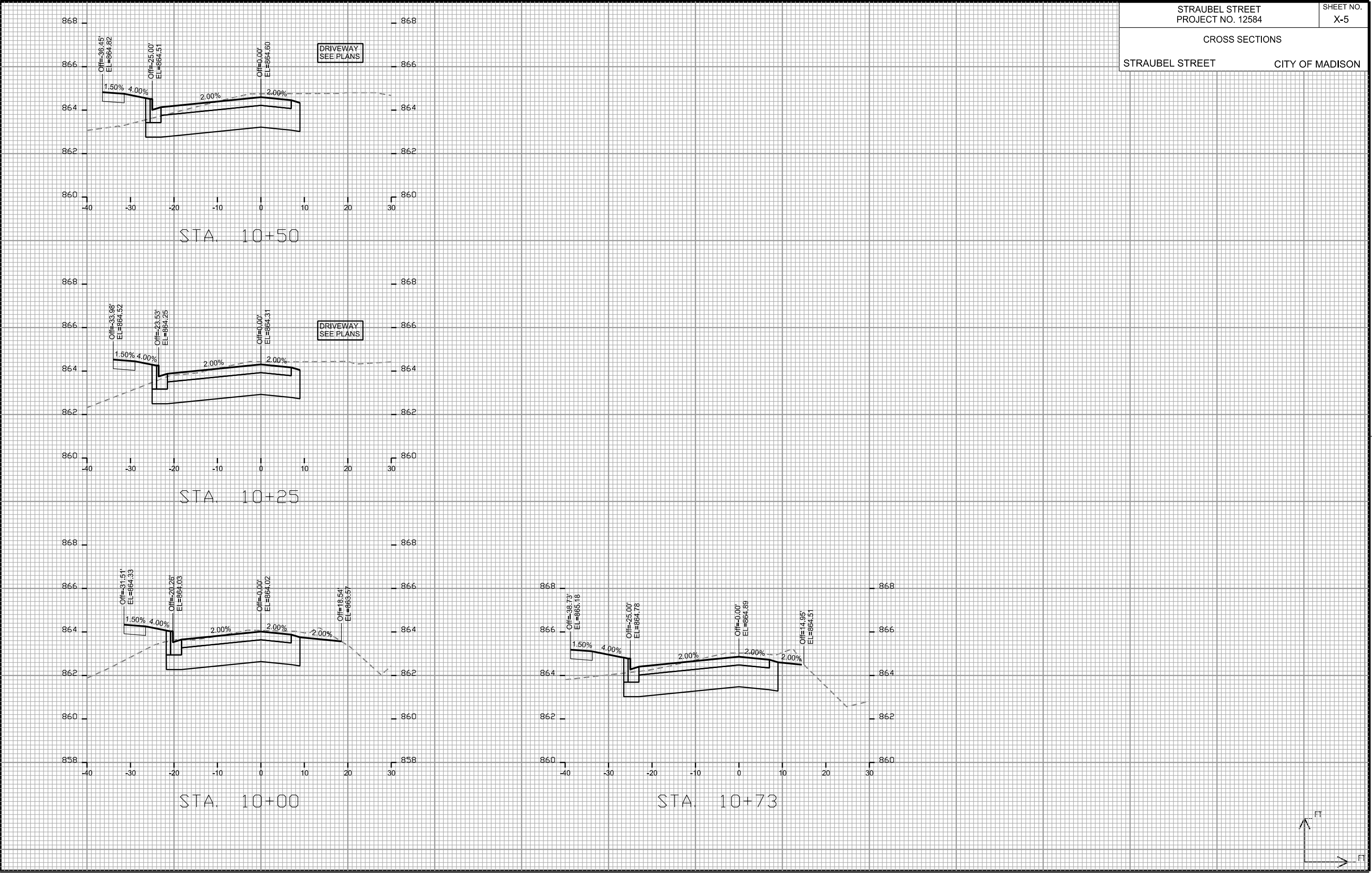


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REV. DATE: _____

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STRAUBEL STREET
PROJECT NO. 12584

SHEET NO.
X-5

CROSS SECTIONS

STRAUBEL STREET

CITY OF MADISON

