



Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

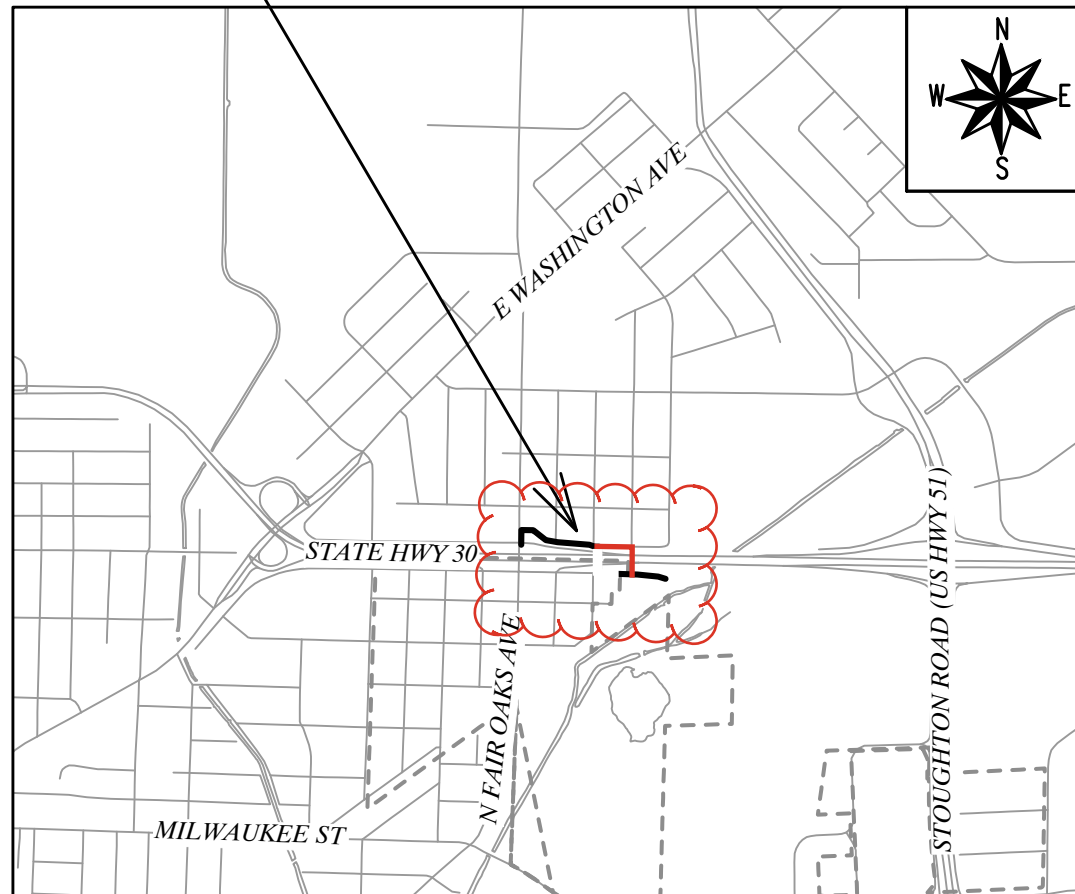
DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION

PROJECT
LOCATION

CITY PROJECT NO. 14921
CONTRACT NO. 9486



INDEX OF SHEETS

SHEET NO. D-1	MMSD STRUCTURE DETAILS
SHEET NO. D-2	CROSSING DETAIL & NOTES
SHEET NO. D-3	TYPICAL SECTIONS
SHEET NO. D-4	MEDIAN REMOVAL PLAN
SHEET NO. EC-1 - EC-6	EROSION CONTROL PLANS
SHEET NO. P-1	MEDIAN ISLAND PLAN
SHEET NO. U-1 - U-6	UTILITY PLAN & PROFILES
SHEET NO. U-7 - U-8	SANITARY SEWER SCHEDULE

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.

PUBLIC IMPROVEMENT PROJECT
APPROVED

AUGUST 6, 2024

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

Aug 15, 2024

City Engineer

Date

SANITARY SEWER
DESIGNED BY:



Aug 15, 2024

STREET
DESIGNED BY:



Aug 15, 2024

ADDENDUM #3: 9/3/2024

1. REMOVED AND REPLACED FOLLOWING SHEETS:
TITLE, D-2, EC-1-EC-6, U-1-U-8. ADDED SHEETS EC-3A,
EC-3B, U-3A, U-3B

**ADDENDUM #3 CHANGES NOT SHOWN - SEE
PREVIOUS VERSION FOR DETAILS

REVISION #1: 10/14/2024

1. ADDENDUM #3 MARKUPS HIDDEN ON PLANS (ALL
SHEETS)

2. UNMARKED ATC FIBER ON COMMERCIAL AVE.
(SOUTH) ADDED WITH ADDITIONAL ULOS (EC-3B, EC-5,
U-3B, & U-5)

REVISION #2: 12/2/2024

1. ULO DATA ADDED, DESIGN MODIFIED AS NEEDED
(U-1, U-2, U-3B, & U-5)

2. SAS #6 OUTSIDE DROP REMOVED, REPLACED WITH
TAP (U-3 & U-4)

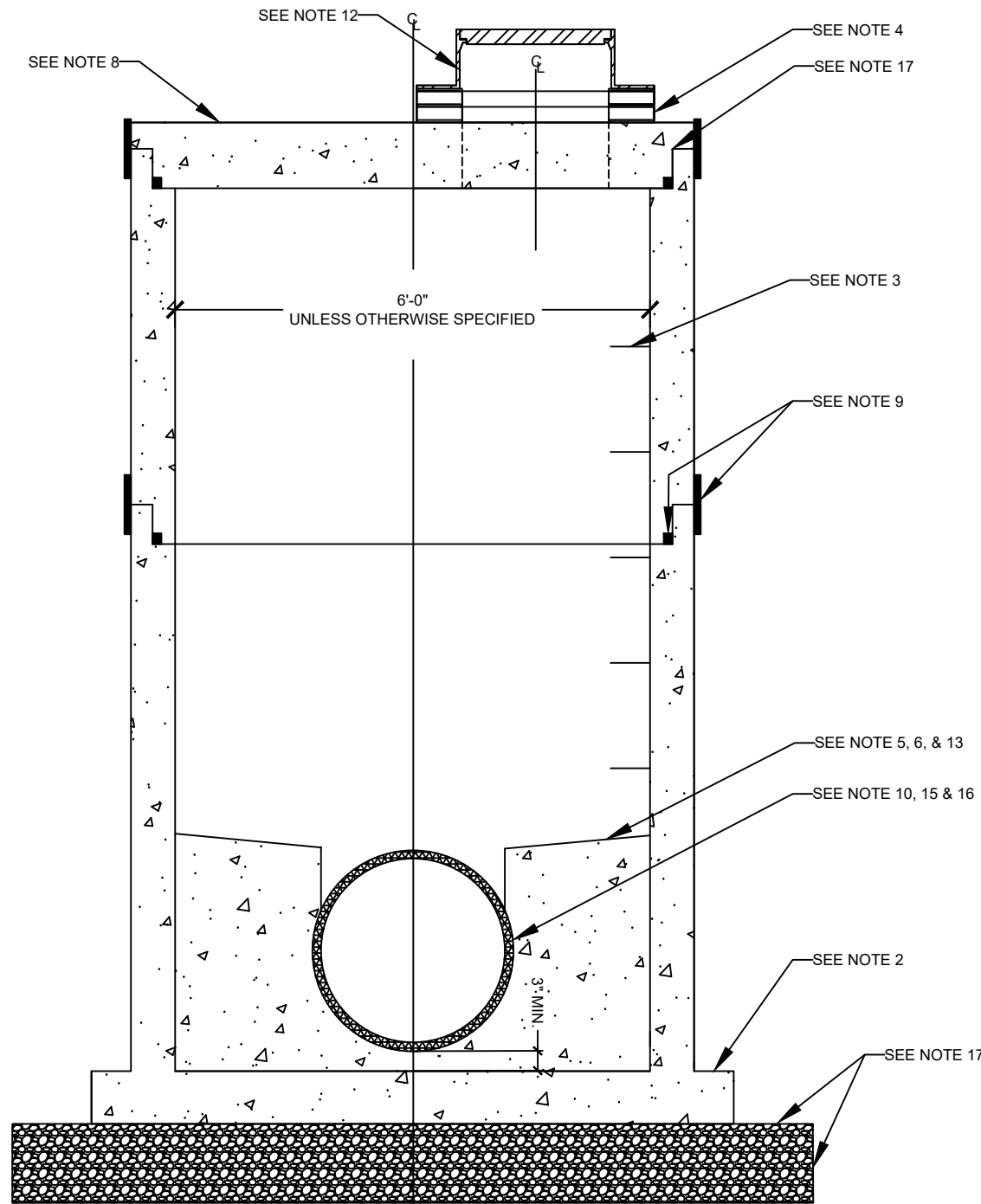
3. SAS #4 TAP CORRECTED IN PROFILE (U-5)

PLOT SCALE: 1 IN:1 FT_XREF

PLOT NAME: ---

REV. DATE: 8/12/2024 11:59 AM

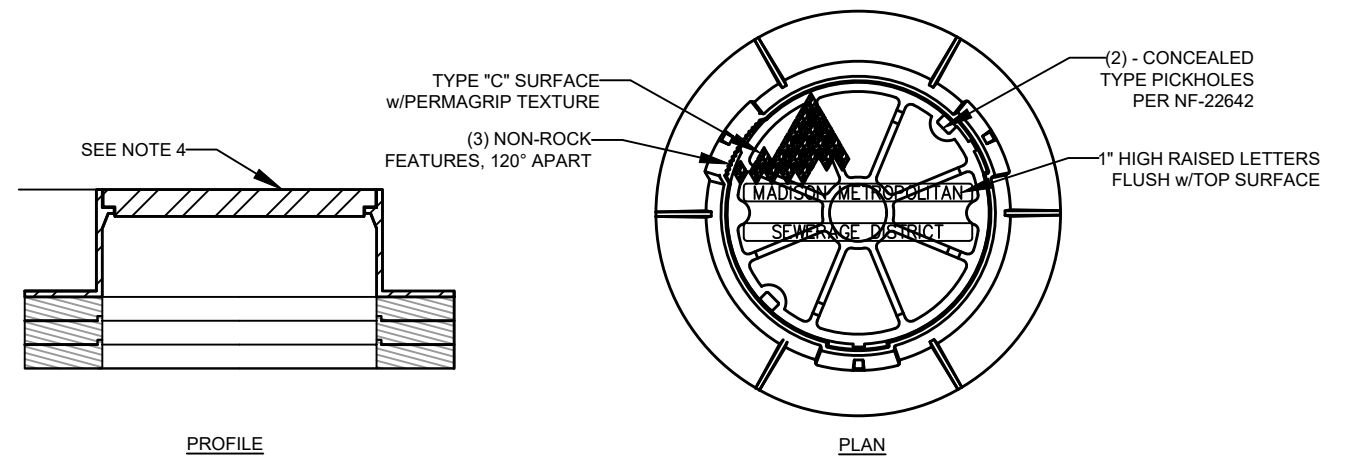
ORIGINATOR: CITY_OF_MADISON



- NOTES:**
- MANHOLE SECTIONS AND THICKNESSES SHALL BE PRECAST REINFORCED CONCRETE, CONSTRUCTED PER ASTM C-478 (ROUND) OR C-913 (SQUARE).
 - THE BASE THICKNESS SHALL BE 8 INCHES FOR DEPTHS 10 FEET OR LESS AND 12 INCHES FOR DEPTHS OVER 10 FEET.
 - STEPS SHALL BE INSTALLED IN AIR RELEASE VALVE MANHOLES (FORCEMAIN) FOR ANY MANHOLE DEPTH, OR FOR A GRAVITY SEWER IF THE MANHOLE IS EQUAL OR GREATER TO A 30' DEPTH. STEPS SHALL NOT BE INSTALLED IN GRAVITY SEWER MANHOLES WITH LESS THAN A 30' DEPTH. IF INSTALLED, STEPS SHALL BE M.A. INDUSTRIES OR EQUAL, AND INSTALLED 16" ON CENTER PER MANUFACTURER'S RECOMMENDATIONS. STEPS SHALL BE CENTERED ON BENCH. TOP STEP SHALL BE 24" FROM DECK UNDERSIDE.
 - MANHOLE CHIMNEYS SHALL HAVE FROM 3 TO 9 INCHES OF ADJUSTING RINGS. OPENING SHALL BE 24" OFFSET, CENTERED OVER BENCH & MANHOLE STEPS (IF ANY).
 - THE BENCH SHALL BE 75% OF THE HEIGHT OF THE PIPE WITH A MAX HEIGHT OF 24" FOR PIPES 24" DIA. OR LARGER, OR TO THE PIPE CROWN FOR PIPES LESS THAN 24" DIA.
 - BENCH SHALL BE SLOPED 1" - 2" PER FOOT.
 - THE INVERT CHANNEL SHALL BE TOWELED TO SMOOTH, DENSE SURFACE AND A SEMICIRCULAR SHAPE CONFORMING TO THE INSIDE OF THE ADJACENT SEWER.
 - TOP DECK SHOULD BE A FLATTOP UNLESS OTHERWISE NOTED.
 - JOINTS SHALL RECEIVE NON-HARDENING BUTYL RUBBER SEALANT MINIMUM THICKNESS 3/4", TYP. EXTERIOR JOINTS SHALL RECEIVE JOINT PROTECTION SUCH AS MACWRAP OR APPROVED EQUAL TO A MINIMUM WIDTH OF 9", TYP.
 - PROVIDE WATERTIGHT FLEXIBLE PIPE CONNECTOR FOR ALL CONNECTIONS UNLESS OTHERWISE NOTED.
 - MANHOLE INTERIOR COATINGS TO BE DIRECTED BY THE DISTRICT.
 - CHIMNEY, FRAME, & COVER **PER SHEET SD-201**.
 - MINIMUM HEIGHT FROM TOP OF BENCH TO DECK UNDERSIDE SHALL BE 7'-0".
 - PICKHOLES SHALL UNDER NO CIRCUMSTANCES PENETRATE THRU CONCRETE. EARHOLE STYLE PICKHOLES OR USE SUPERFICIAL LIFTING HOOKS SHOULD BE USED INSTEAD. ALL PICKHOLES SHALL BE MORTARED PRIOR TO BACKFILLING.
 - BOOT EXPANDERS SHALL BE INSTALLED AT THE 12 O'CLOCK POSITION WITH SCREW ENDS CAPPED, UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER.
 - CONCRETE OPENINGS MUST BE CORED FOR SURFACE APPLIED WATERTIGHT FLEXIBLE PIPE CONNECTORS (I.E. KOR-N-SEAL BOOTS). POURING ONLY ACCEPTABLE IF CONNECTOR IS DESIGNED TO BE POURED-IN-PLACE (I.E. A-LOK).
 - 1'-0" MIN. COMPACTED BEDDING
 - FOR A RECONSTRUCTED MANHOLE, IF A JOINT BETWEEN MANHOLE SECTIONS IS NOT A TONGUE AND GROOVE CONFIGURATION, THE CONTRACTOR SHALL INSTALL DOWELS AT A MINIMUM OF THREE LOCATIONS AROUND THE PERIMETER OF THE MANHOLE. THE DOWELS SHALL BE #4 REBAR EMBEDDED 3-INCHES INTO EACH SECTION OF THE MANHOLE. IN LIEU OF THIS, THE CONTRACTOR MAY INSTALL 6"x6" SST PLATES AT A MINIMUM OF THREE LOCATIONS ON THE OUTSIDE OF THE MANHOLE. THE PLATES SHALL BE ANCHORED WITH TWO 3/8" DIAMETER SST BOLTS ON EACH SIDE OF THE JOINT AT ALL LOCATIONS.

MMSD STANDARD TYPICAL MANHOLE DETAIL (SD-101)

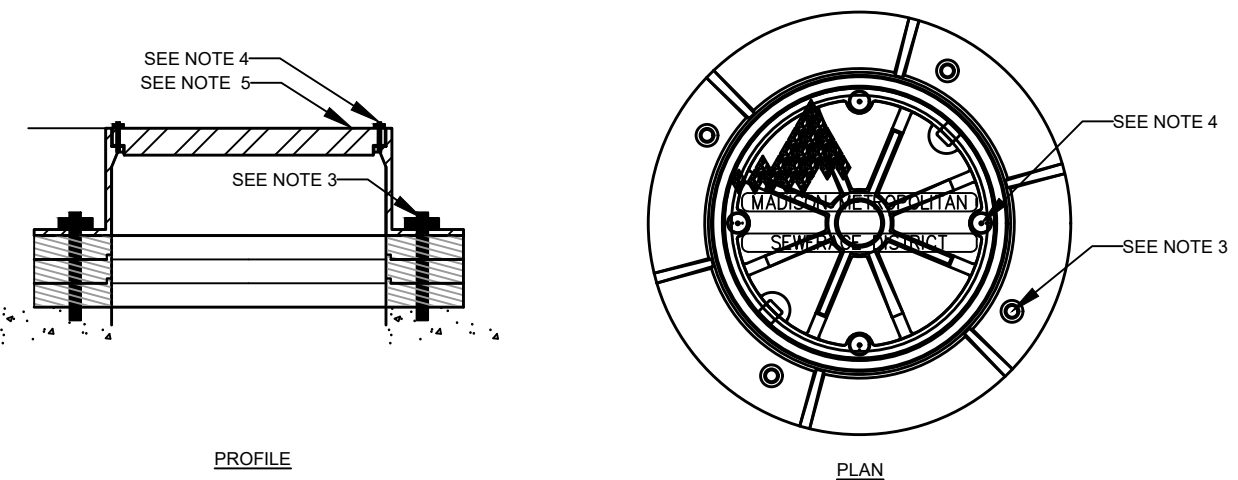
NOT TO SCALE



STANDARD

- NOTES:**
- STANDARD MANHOLE, ACCESS HOLE, LADDER, CONNECTORS & BENCH SHALL BE **PER SHEET SD-101**.
 - CHIMNEY SHALL HAVE A MINIMUM HEIGHT OF 3" AND A MAXIMUM HEIGHT OF 9" OF ADJUSTING RINGS. ADJUSTING RINGS SHALL BE CRETEX PRO-RING OR EQUAL.
 - SEAL BETWEEN RINGS, CASTING, AND TOP DECK PER MANUFACTURER REQUIREMENTS.
 - MANHOLE CHIMNEYS SHALL OPENING SHALL BE 24" OFFSET, CENTERED OVER MANHOLE STEPS.
 - MANHOLE FRAME AND COVER SHALL BE CAST IRON WITH HEAVY DUTY, INDENTED TOP WITH SOLID LIDS AND MACHINED BEARING SURFACES, NON-ROCKING,

- SELF SEALING, WITH CONCEALED PICK HOLES, STAMPED WITH THE LETTERING "MADISON METROPOLITAN SEWERAGE DISTRICT", NF-10500151.
- 9" HEIGHT (NF-10502301 OR EQUAL) IS STANDARD. 4" HEIGHT (NF-16892301 OR EQUAL) MAY BE PERMITTED PER MADISON METROPOLITAN DISTRICT APPROVAL. CHIMNEY SEALS DETERMINED ON A CASE-BY-CASE BASIS.
- BROKEN OR CRACKED ADJUSTING RINGS ARE NOT PERMITTED AND WILL BE REJECTED.



BOLTED DOWN

- NOTES:**
- FOLLOW STANDARD CHIMNEY DETAIL REQUIREMENTS UNLESS OTHERWISE SUPERCEDED BY FOLLOWING NOTES.
 - INSTALL ADHESIVE AT RING FACES PER MANUFACTURER REQUIREMENTS.
 - SECURE CASTING TO MANHOLE TOP DECK WITH 1" DIAMETER ANCHOR HOLES, MINIMUM 2" EMBEDMENT, IN FOUR LOCATIONS WITH HEX HEAD SCREWS. ALL HARDWARE TO BE STAINLESS STEEL.
 - SECURE LID TO CASTING IN HOLES WITH 1/2" BOLT WITH 3/4" HEX HEAD, WASHER, AND RUBBER GASKET. ALL HARDWARE TO BE STAINLESS STEEL. COAT LID HARDWARE WITH ANTI-SEIZE LUBRICANT BEFORE INSTALLING.
 - LID SHALL BE NF-19160436 OR EQUAL WITH 1" RAISED LETTERS AND TYPE "C" CHECKERED TOP DESIGN W/PERMAGRIP SURFACE TEXTURE. 9" FRAME SHALL BE NF-19160280 OR EQUAL.

MMSD STANDARD MANHOLE CHIMNEY (SD-201)

NOT TO SCALE

DATE	BY
REVISION	REVISION
Scale: #####	Scale: #####
14921	14921

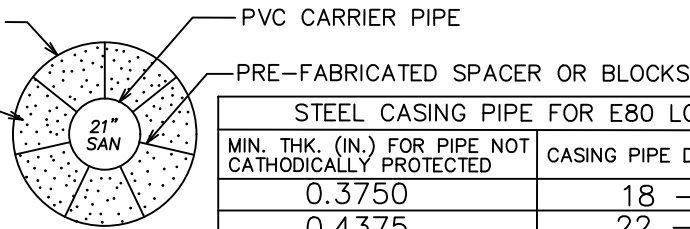
14921
MADISON, WI
9486

CONTRACT NO:
COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION
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14921
D-1

CASING PIPE TO BE SIZED BY THE CONTRACTOR MIN. CASING SIZE 42" DIAMETER



FILL VOIDS W/ BLOWN SAND

NOTE:

WALL THICKNESS FOR STEEL CASING PIPE WITH 35,000 P.S.I. MIN. YIELD STRENGTH. FOR MATERIAL OF LOWER YIELD STRENGTH, INCREASE THICKNESS AN ADDITIONAL.

STEEL CASING PIPE FOR E80 LOADING	
MIN. THK. (IN.) FOR PIPE NOT CATHODICALLY PROTECTED	CASING PIPE DIAMETER (IN.)
0.3750	18 - 22
0.4375	22 - 25
0.500	25 - 34
0.5625	34 - 42
0.6250	42 - 48

HIGHWAY CROSSING CASING PIPE DETAIL
NOT TO SCALE

SAS #1 NOTES:

- 1) SAS #1 WILL BE AN MMSD STRUCTURE. THE STRUCTURE WILL BE RENAMED MH10-305A FOLLOWING COMPLETION OF THE PROJECT.
- 2) SAS #1 SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MMSD STANDARD DETAIL DRAWINGS SHOWN ON SHEET D-1 AND AS OUTLINED IN THE SPECIAL PROVISIONS.
- 3) CONTRACTOR SHALL CONTACT RAY SCHNEIDER (608) 347-3628 OR RAYS@MADSEWER.ORG, FIVE DAYS PRIOR TO MAKING THE CONNECTION TO MMSD SEWER MAIN TO ARRANGE INSPECTION OF SAS #1 INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING FOR MMSD CONNECTION PERMIT, PERMIT FEE, AND MEETING ALL MMSD PERMIT REQUIREMENTS.
- 4) SALVAGE AND RE-USE CASTING AND RINGS FROM EXISTING STRUCTURE (MMSD MH10-305) FOR SAS #1. CONTACT RAY SCHNEIDER IF ADDITIONAL RINGS ARE NEEDED.

ADDENDUM #3: 9/3/2024
 1. REMOVED AND REPLACED FOLLOWING SHEETS: TITLE, D-2, EC-1-EC-6, U-1-U-8. ADDED SHEETS EC-3A, EC-3B, U-3A, & U-3B
****ADDENDUM #3 CHANGES NOT SHOWN - SEE PREVIOUS VERSION FOR DETAILS**
 REVISION #1: 10/14/2024
 1. ADDENDUM #3 MARKUPS HIDDEN ON PLANS (ALL SHEETS)

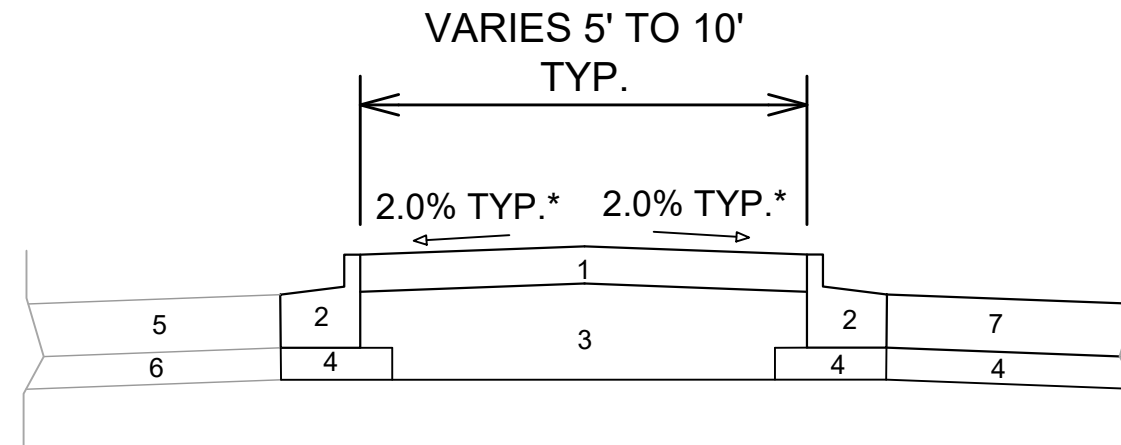
UTILITY SHEET NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WISDOT PERMIT DT1553 - APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY, ON BEHALF OF THE CITY OF MADISON. THIS PERMIT COVERS SEWER CONSTRUCTION ON WISDOT RIGHT-OF-WAY AND WORK ON N FAIR OAKS AVE THAT ENCLOSES ON THE WI HWY 30 EXIT RAMP.
2. INSTALL EXTERNAL SAS WRAP IN CONFORMANCE WITH S.D.D. 5.7.2 ON STRUCTURES SAS #1 THROUGH SAS #12.
3. UTILITY TRENCH PATCH TYPE III SHALL BE INSTALLED FOR AREAS OF ASPHALT PAVEMENT RESTORATION AND UTILITY TRENCH PATCH TYPE IV SHALL BE INSTALLED FOR AREAS OF GRAVEL PATH RESTORATION. UTILITY TRENCH PATCHING SHALL BE PAID BY LINEAR FOOT OF TRENCH (TRENCH-FOOT).
4. CONCRETE PAVEMENT RECONSTRUCTION ON N FAIR OAKS AVENUE WILL BE REQUIRED FOLLOWING SEWER CONSTRUCTION. CONCRETE PAVEMENT RECONSTRUCTION SHALL BE PAID BY THE SQUARE YARD UNDER BID ITEM 40411.
5. REMOVE EXISTING MEDIAN ON N FAIR OAKS AVE FOR SEWER CONSTRUCTION AND MAINTENANCE OF TRAFFIC. RECONSTRUCT MEDIAN FOLLOWING SEWER CONSTRUCTION - SEE D-3, D-4, & P-1.
6. EXISTING SURFACE GRADES FOR WI HWY 30 ARE BASED UPON LIDAR AND NOT SURVEY.
7. REMOVAL OF CHAIN LINK FENCING SHOULD BE MINIMIZED AND ONLY AS NEEDED FOR ACCESS AND CONSTRUCTION. CITY ENGINEERING SHALL PROVIDE APPROVAL BEFORE FENCING REMOVAL. REMOVED FENCING SHALL BE REPLACED - SEE BID ITEM 90007.

MARK	REVISION	DATE	BY
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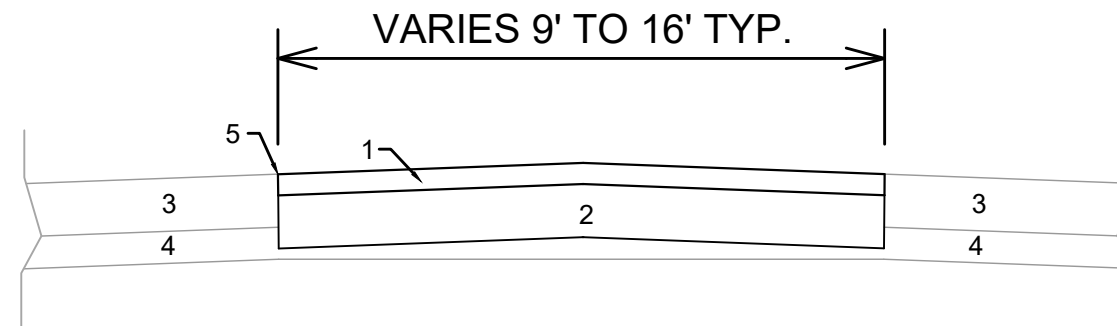
CROSSING DETAIL & NOTES
 14921
 MADISON, WI
 COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION
 CONTRACT NO: 9486
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**MEDIAN ISLAND TYPICAL SECTION
N FAIR OAKS AVENUE**

- 1 7" CONCRETE MEDIAN ISLAND
- 2 TYPE "D" CONCRETE CURB & GUTTER
- 3 CRUSHED AGGREGATE BASE COURSE GRADATION 2
- 4 6.00" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- 5 EX. CONCRETE PAVEMENT TO REMAIN
- 6 EX. ROAD BASE TO REMAIN
- 7 10" CONCRETE PAVEMENT RESTORATION



**TEMPORARY PAVEMENT TYPICAL SECTION
N FAIR OAKS AVENUE**

- 1 4" HMA PAVEMENT 4LT 58-28 S
- 2 10" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- 3 EX. CONCRETE PAVEMENT TO REMAIN
- 4 EX. ROAD BASE TO REMAIN
- 5 MEDIAN ISLAND LIMITS

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14921			
Designed By: EAC	Date: 8/13/2024	12:10 PM	Scale: 1:6
			D-3

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MADISON, WI
COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION
CONTRACT NO: 9486
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14921
D-3

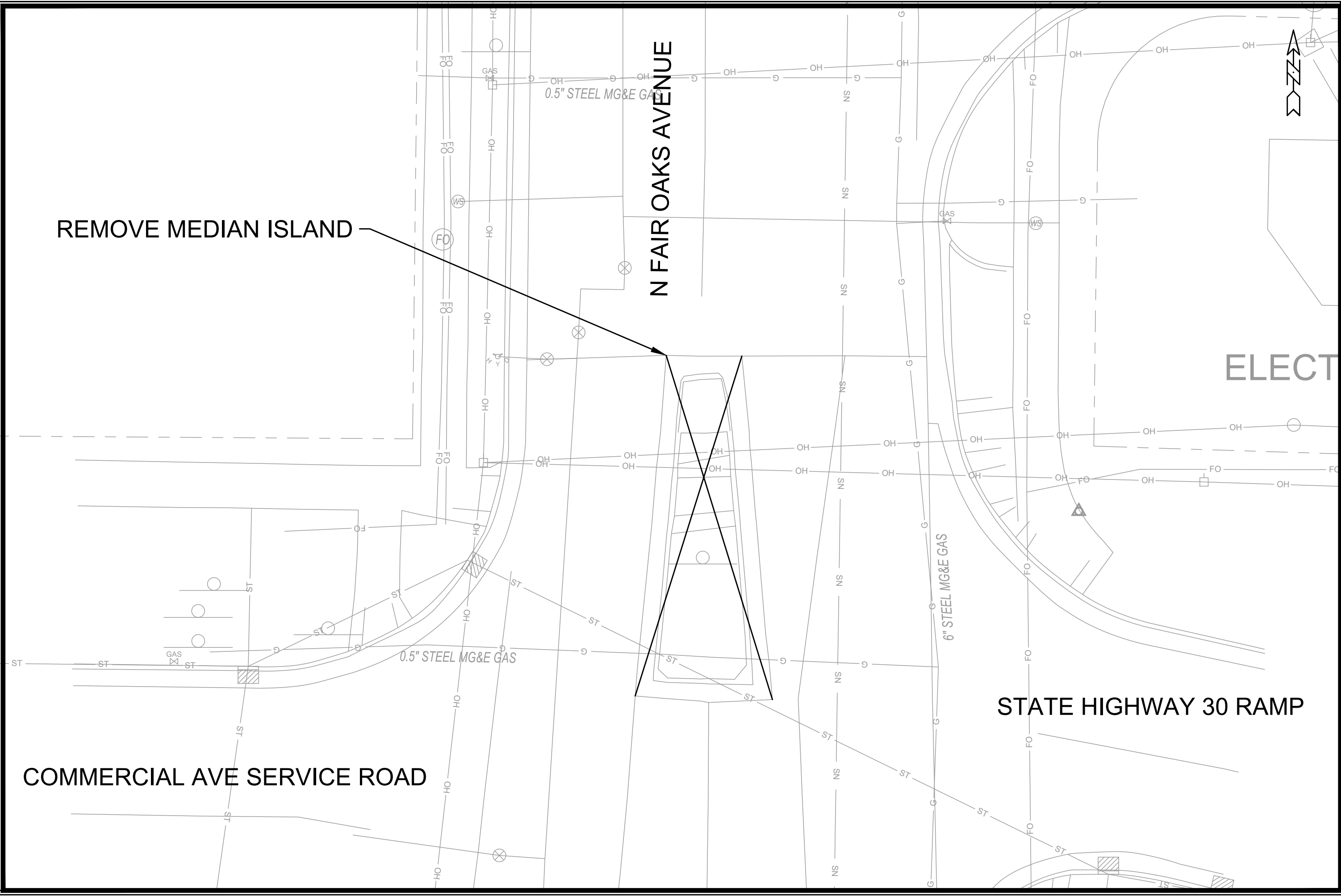
COMMERCIAL AVE SERVICE ROAD


REMOVE MEDIAN ISLAND

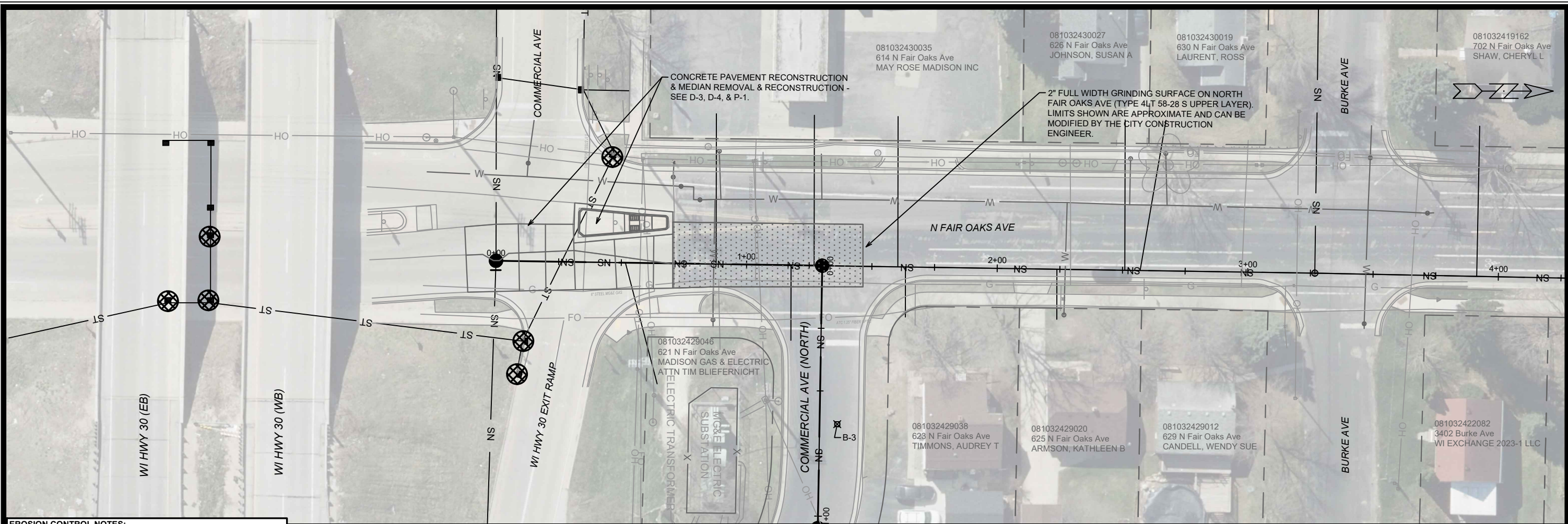
N FAIR OAKS AVENUE

STATE HIGHWAY 30 RAMP

ELECT



	14921	14921
	D-4	MADISON, WI
COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION		CONTRACT NO: 9486
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Designed By: EAC 14921		Date: 8/13/2024 12:10 PM Scale: 1:10 D-4
REVISION		DATE BY



EROSION CONTROL NOTES:

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

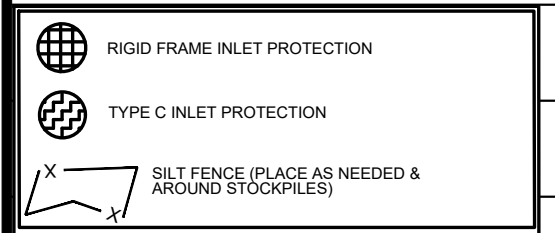
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THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

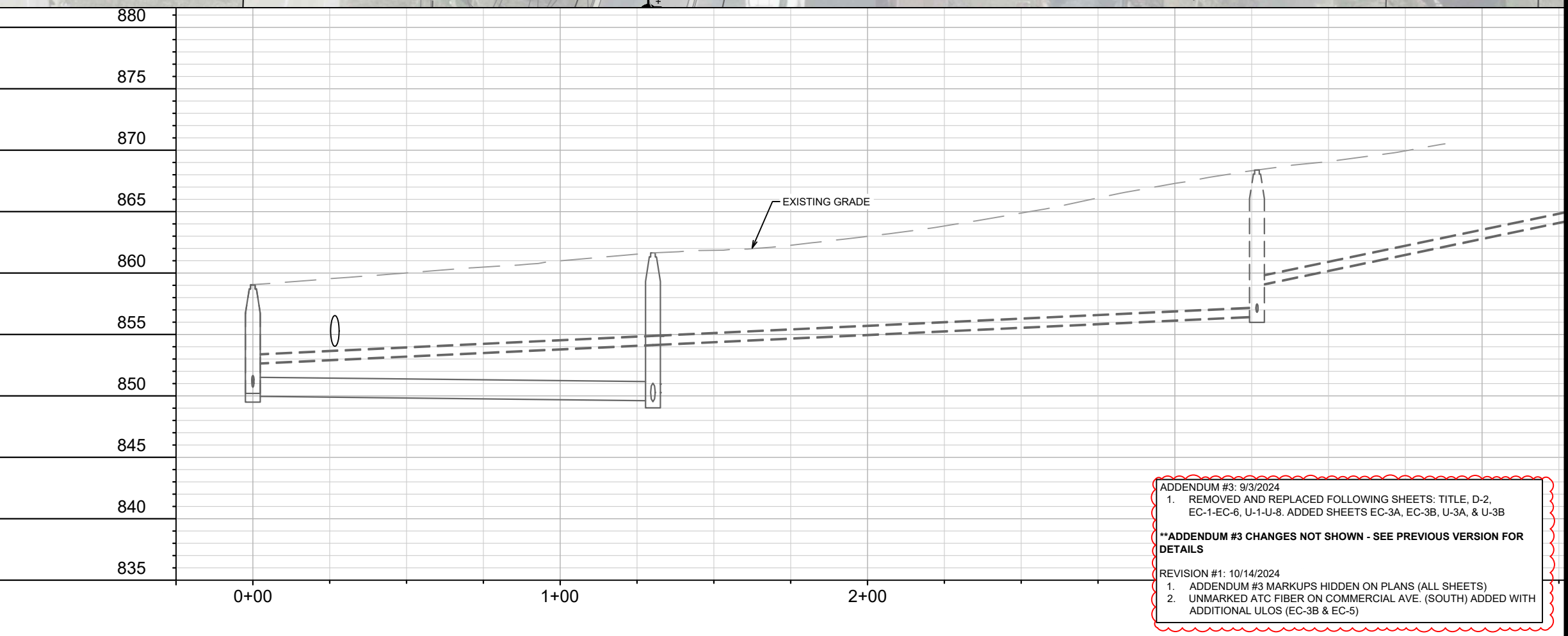
INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE PLACED AS DIRECTED.

POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.



TYPE C INLET PROTECTION MAY ONLY BE INSTALLED IF RIGID FRAME INLET PROTECTION WILL NOT FIT STRUCTURE.

- FABRIC FLAPS MUST BE CUT TO LEAVE LESS THAN 6" AROUND GRATE.
- 2"x4" MUST BE INSTALLED AND EXTEND BEYOND CURB OPENINGS.
- FILTER MUST BE SECURED WITH WIRE OR PLASTIC TIES.
- FILTER FABRIC MUST BE CLEARED OF DEBRIS AFTER EACH RAIN EVENT, OR WEEKLY AT A MINIMUM.



ADDENDUM #3: 9/3/2024
 1. REMOVED AND REPLACED FOLLOWING SHEETS: TITLE, D-2, EC-1-EC-6, U-1-U-8. ADDED SHEETS EC-3A, EC-3B, U-3A, & U-3B

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REVISION #1: 10/14/2024
 1. ADDENDUM #3 MARKUPS HIDDEN ON PLANS (ALL SHEETS)
 2. UNMARKED ATC FIBER ON COMMERCIAL AVE. (SOUTH) ADDED WITH ADDITIONAL ULOS (EC-3B & EC-5)

MARK	REVISION	DATE	BY
1	PAST MARKUP REMOVAL, ATC FIBER	10/14/24	EAC
Designed By: EAC			Date: 10/14/2024 2:17 PM
Scale: 1" = 40'			EC-1

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MADISON, WI

9486

CONTRACT NO:

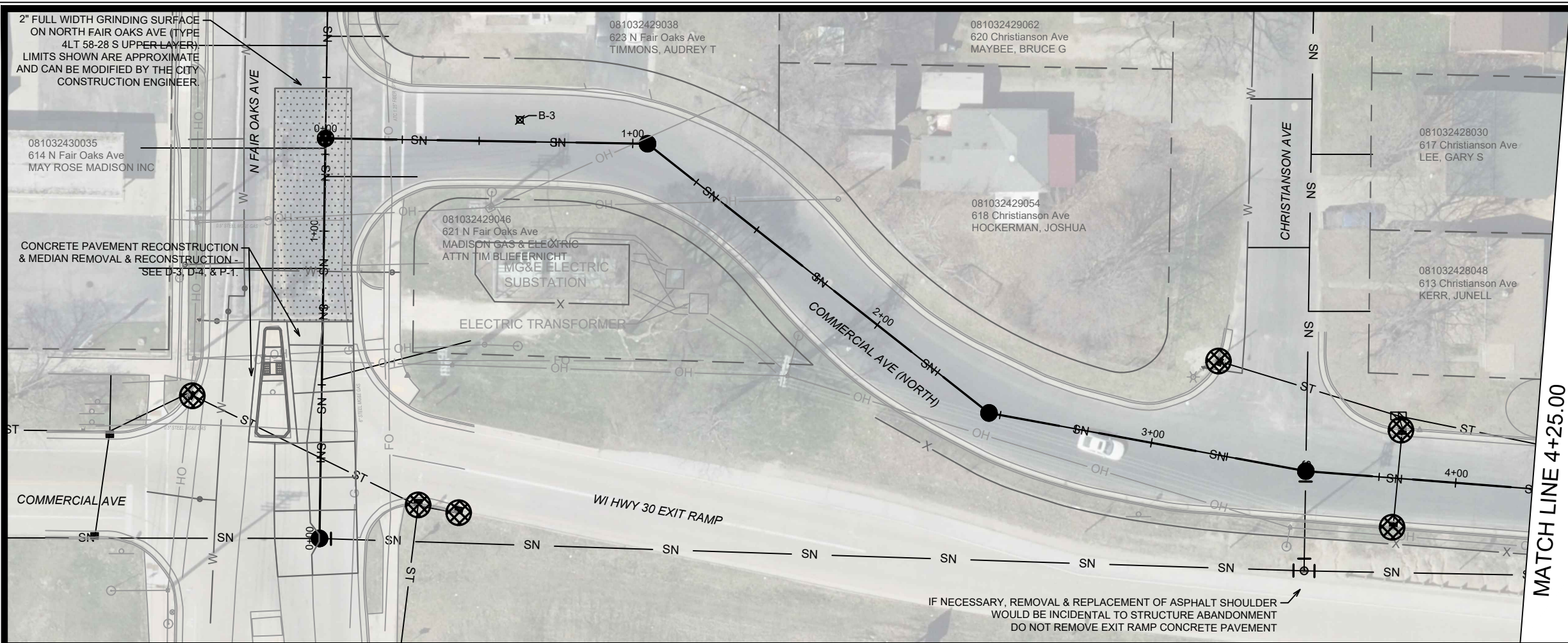
SEWER PLAN AND PROFILE - NORTH FAIR OAKS AVENUE

COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION

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14921

EC-1



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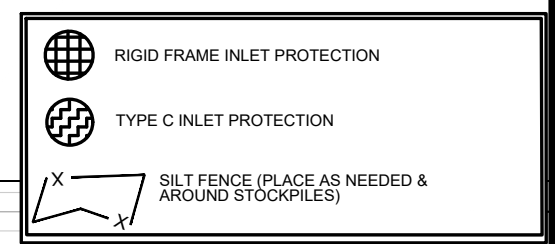
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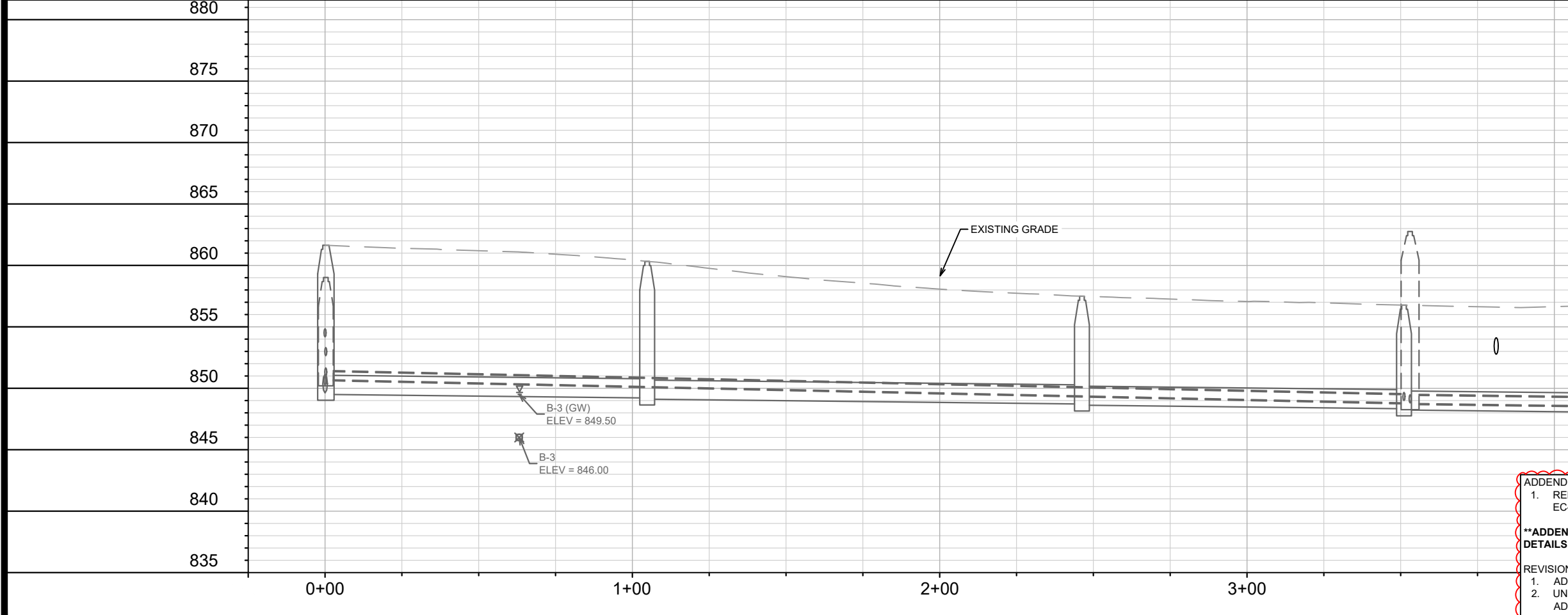
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875

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1	PAST MARKUP REMOVAL, ATC FIBER	10/14/24	EAC
Designed By: EAC		Date: 10/14/2024 2:18 PM	Scale: 1" = 40'
14921		EC-2	

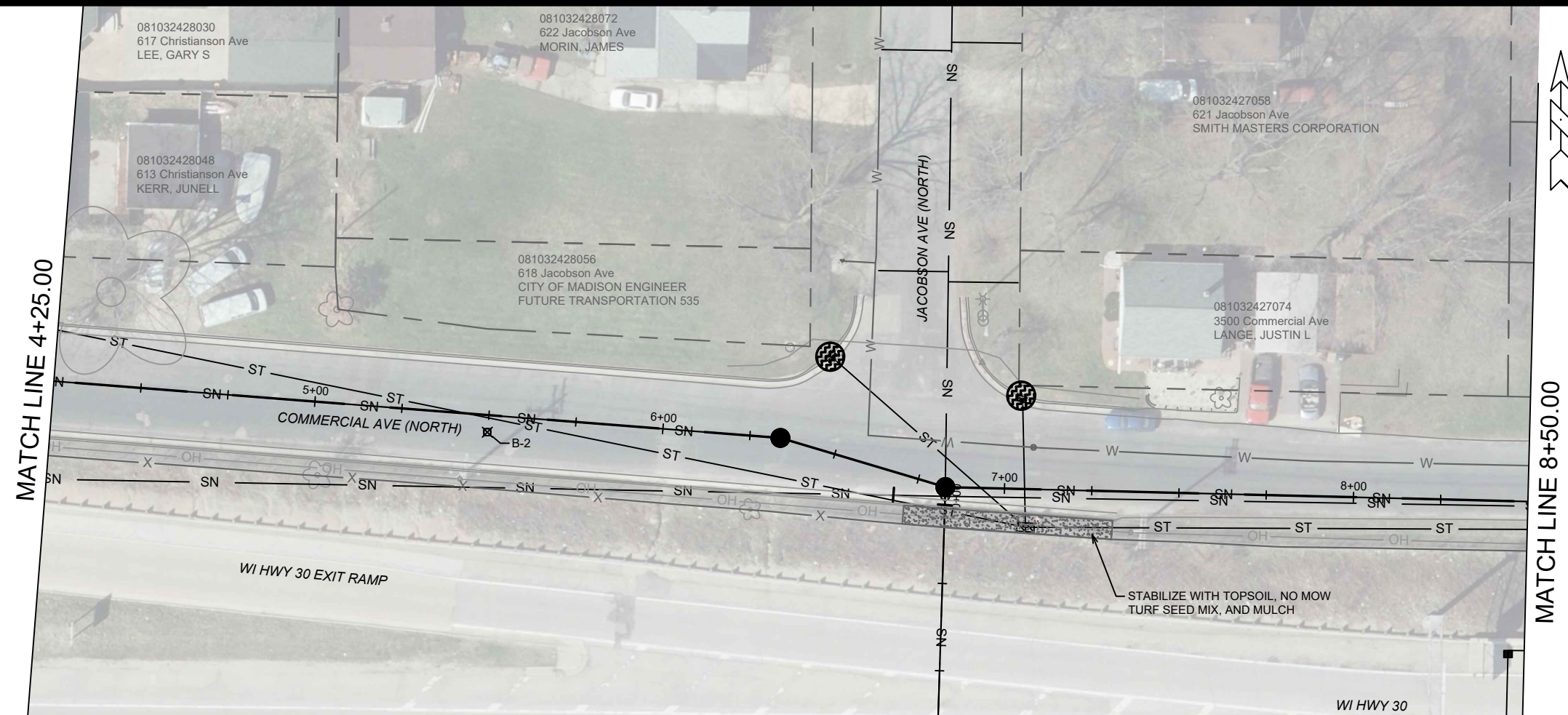
14921
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CONTRACT NO:

SEWER PLAN AND PROFILE - NORTH COMMERCIAL AVENUE
COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION

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CITY OF MADISON WISCONSIN

14921
EC-2



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RIGID FRAME INLET PROTECTION

TYPE C INLET PROTECTION

SILT FENCE (PLACE AS NEEDED & AROUND STOCKPILES)

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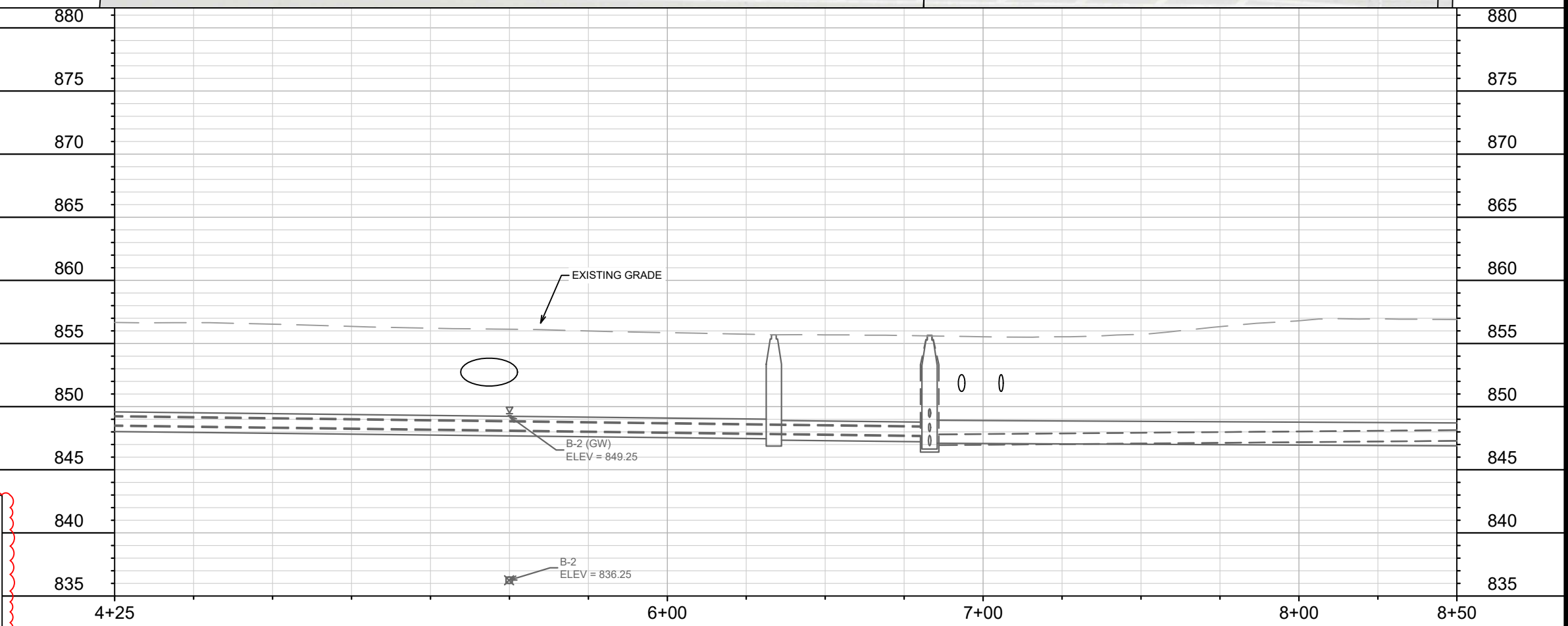
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DESIGNED BY: EAC	DATE: 10/14/2024 2:18 PM	SCALE: 1" = 40'	EC-3

14921

MADISON, WI

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CONTRACT NO:

14921

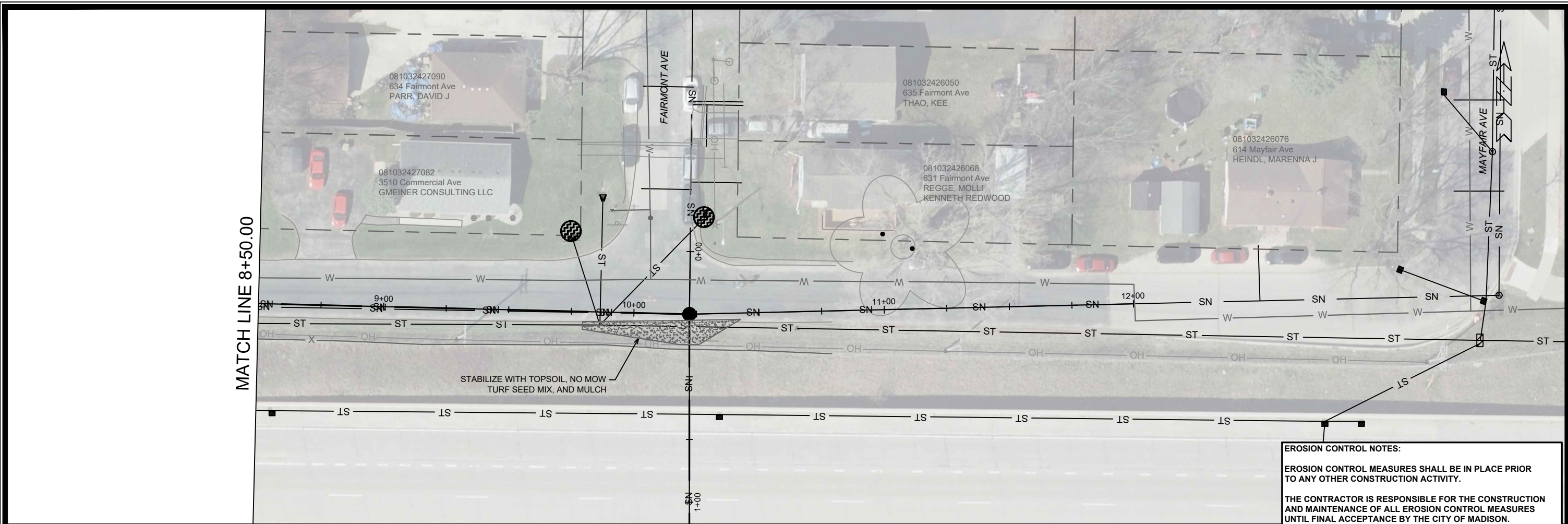
COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION

SEWER PLAN AND PROFILE - NORTH COMMERCIAL AVENUE

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14921

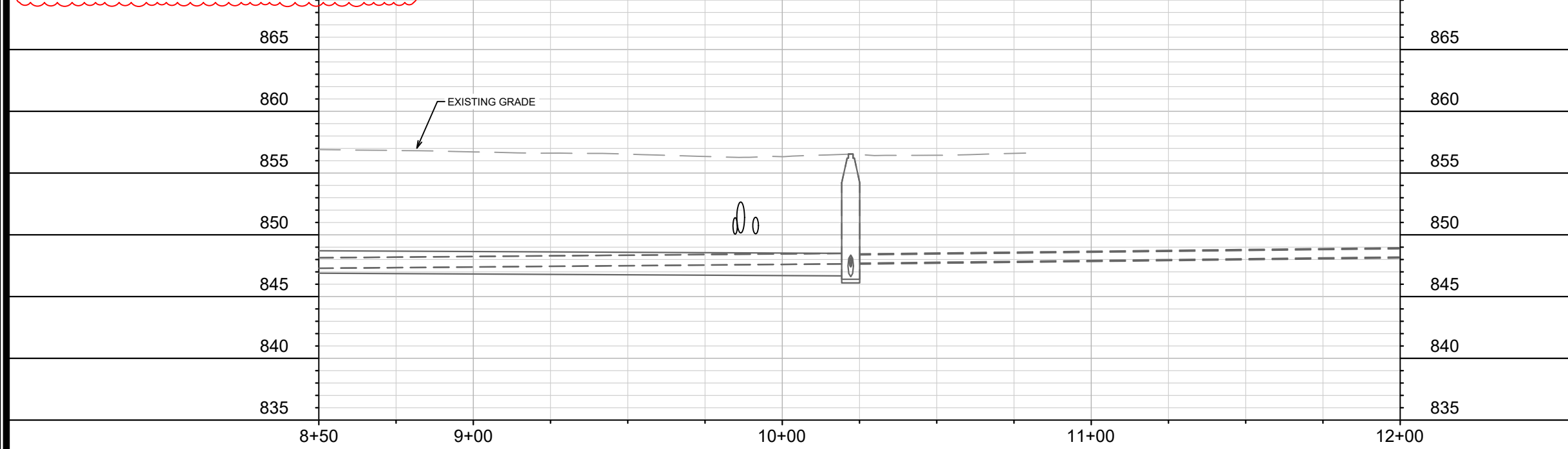
EC-3



ADDENDUM #3: 9/3/2024
 1. REMOVED AND REPLACED FOLLOWING SHEETS: TITLE, D-2, EC-1-EC-6, U-1-U-8. ADDED SHEETS EC-3A, EC-3B, U-3A, & U-3B

****ADDENDUM #3 CHANGES NOT SHOWN - SEE PREVIOUS VERSION FOR DETAILS**

REVISION #1: 10/14/2024
 1. ADDENDUM #3 MARKUPS HIDDEN ON PLANS (ALL SHEETS)
 2. UNMARKED ATC FIBER ON COMMERCIAL AVE. (SOUTH) ADDED WITH ADDITIONAL ULOS (EC-3B & EC-5)



EROSION CONTROL NOTES:

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

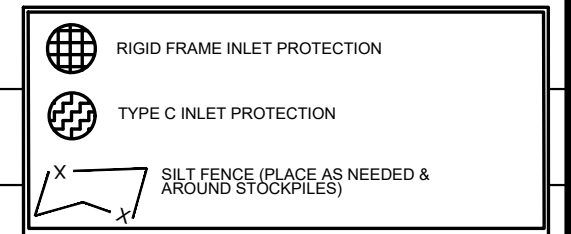
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

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 PLACED AS DIRECTED.

POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.



TYPE C INLET PROTECTION MAY ONLY BE INSTALLED IF RIGID FRAME INLET PROTECTION WILL NOT FIT STRUCTURE.

- FABRIC FLAPS MUST BE CUT TO LEAVE LESS THAN 6" AROUND GRATE.
- 2"x4" MUST BE INSTALLED AND EXTEND BEYOND CURB OPENINGS.
- FILTER MUST BE SECURED WITH WIRE OR PLASTIC TIES.
- FILTER FABRIC MUST BE CLEARED OF DEBRIS AFTER EACH RAIN EVENT, OR WEEKLY AT A MINIMUM.

MARK	REVISION	DATE	BY
1	PAST MARKUP REMOVAL, ATC FIBER	10/14/24	EAC
Designed By: EAC			Date: 10/14/2024 2:18 PM
Scale: 1" = 40'			EC-3A

14921

MADISON, WI

9486

CONTRACT NO:

14921

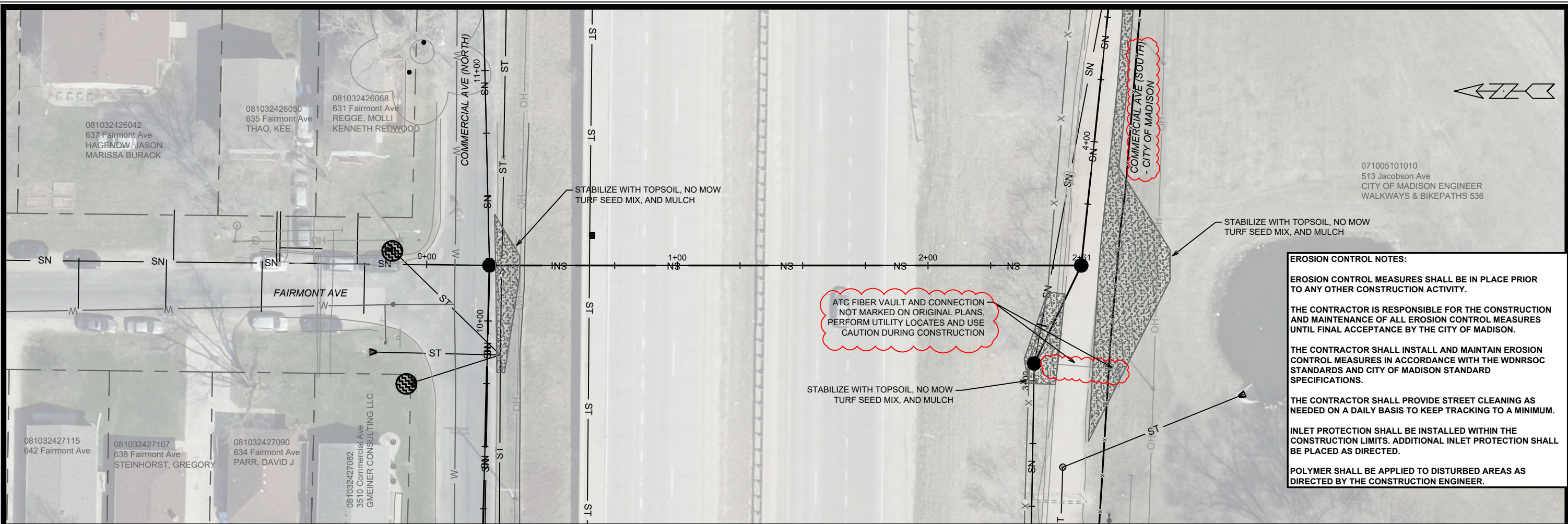
COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION

SEWER PLAN AND PROFILE - NORTH COMMERCIAL AVENUE

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14921

EC-3A



EROSION CONTROL NOTES:

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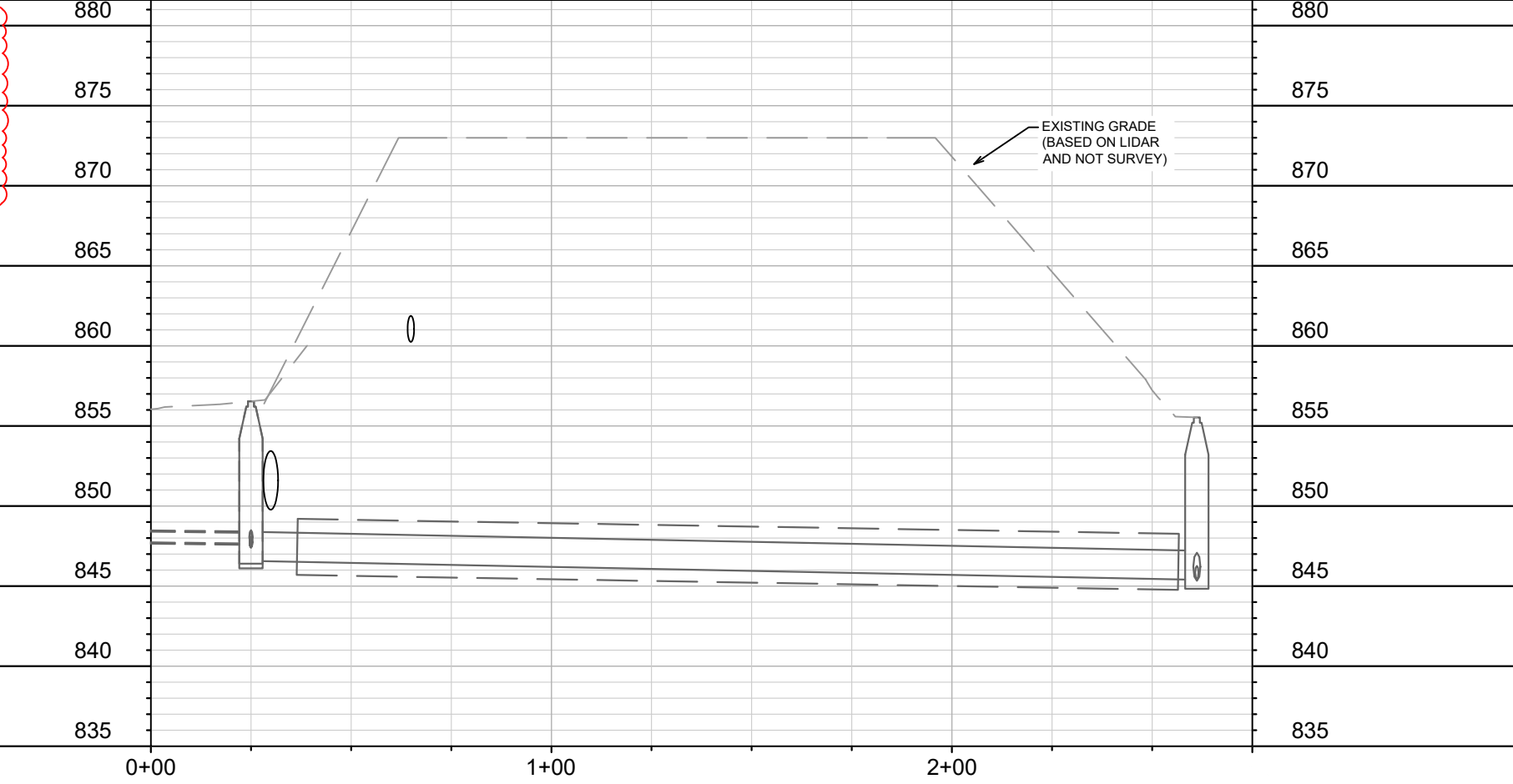
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ADDENDUM #3: 9/3/2024
 1. REMOVED AND REPLACED FOLLOWING SHEETS: TITLE, D-2, EC-1-EC-6, U-1-U-8. ADDED SHEETS EC-3A, EC-3B, U-3A, & U-3B

****ADDENDUM #3 CHANGES NOT SHOWN - SEE PREVIOUS VERSION FOR DETAILS**

REVISION #1: 10/14/2024
 1. ADDENDUM #3 MARKUPS HIDDEN ON PLANS (ALL SHEETS)
 2. UNMARKED ATC FIBER ON COMMERCIAL AVE. (SOUTH) ADDED WITH ADDITIONAL ULOS (EC-3B & EC-5)



	RIGID FRAME INLET PROTECTION
	TYPE C INLET PROTECTION
	SILT FENCE (PLACE AS NEEDED & AROUND STOCKPILES)

TYPE C INLET PROTECTION MAY ONLY BE INSTALLED IF RIGID FRAME INLET PROTECTION WILL NOT FIT STRUCTURE.

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- FILTER FABRIC MUST BE CLEARED OF DEBRIS AFTER EACH RAIN EVENT, OR WEEKLY AT A MINIMUM.

14921	10/14/24	EAC	BY
PAST MARKUP REMOVAL, ATC FIBER	10/14/24	EAC	BY
REVISION	DATE	BY	BY
1	10/14/2024	2:18 PM	Scale: 1" = 40'
MARK	DESIGNED BY: EAC	DATE	DATE
14921	14921	9486	EC-3B

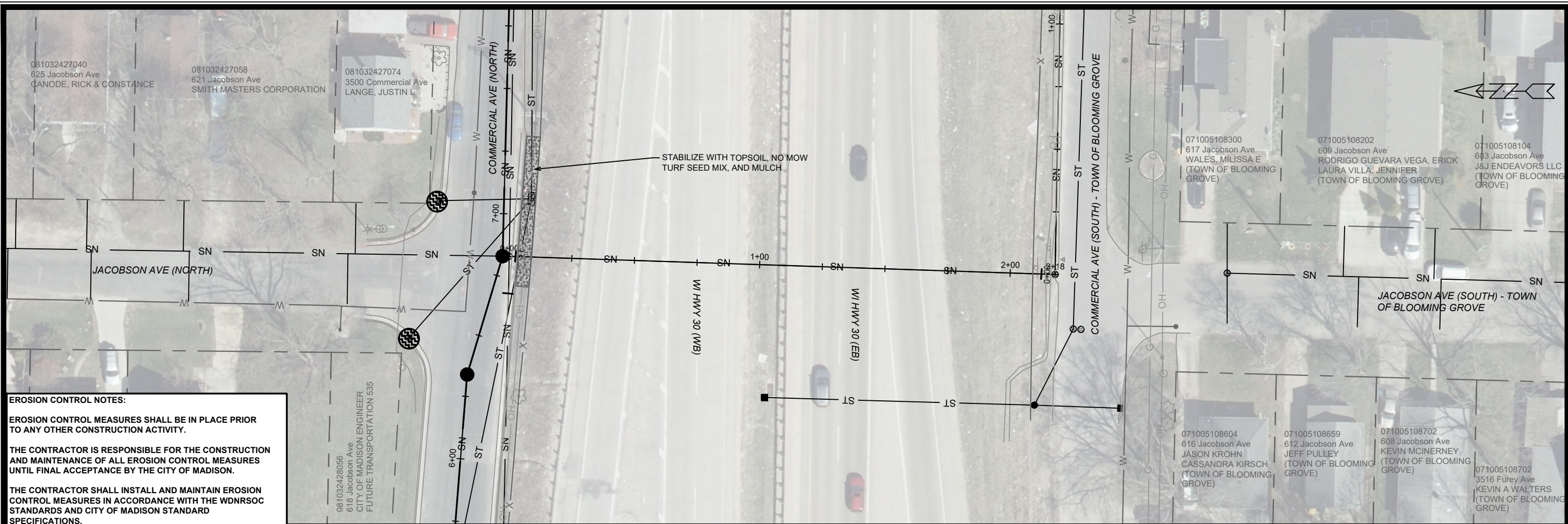
SEWER PLAN AND PROFILE - PROPOSED HWY 30 CROSSING

COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION

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14921

EC-3B



EROSION CONTROL NOTES:

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

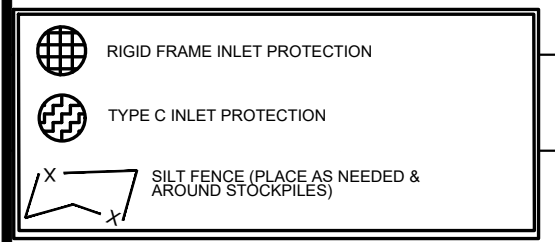
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THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

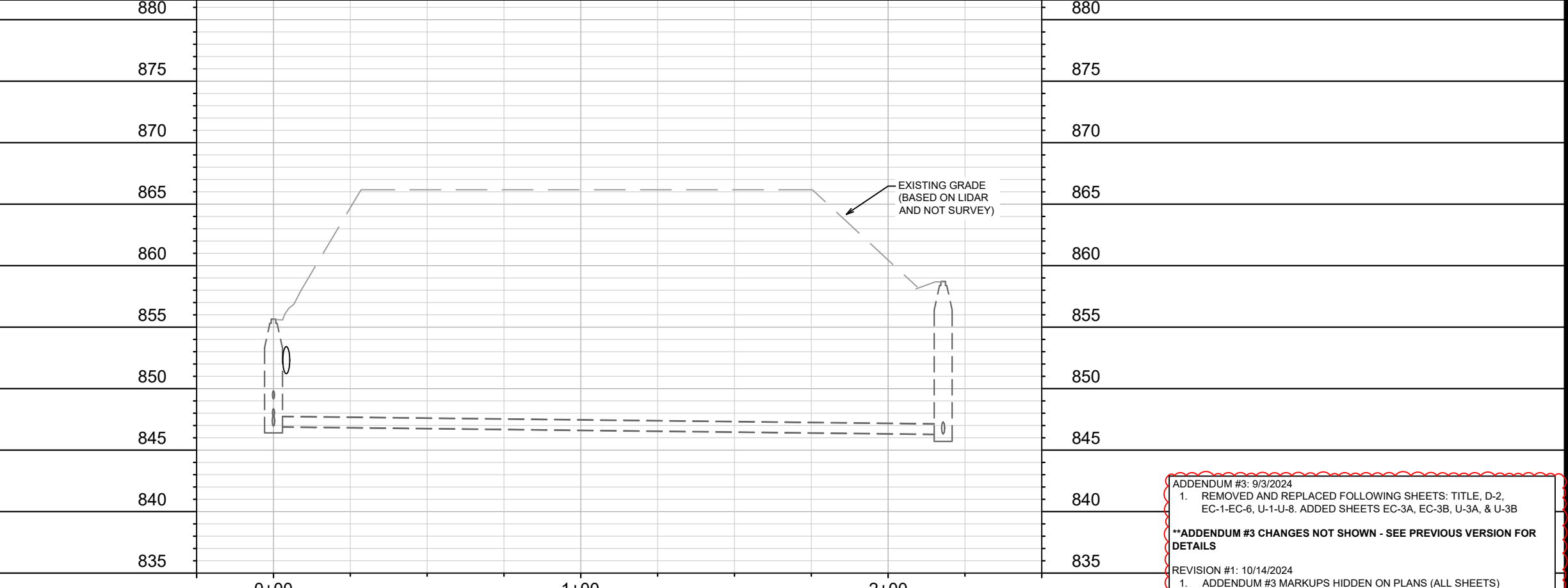
INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE PLACED AS DIRECTED.

POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.



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ADDENDUM #3: 9/3/2024
 1. REMOVED AND REPLACED FOLLOWING SHEETS: TITLE, D-2, EC-1-EC-6, U-1-U-8. ADDED SHEETS EC-3A, EC-3B, U-3A, & U-3B

****ADDENDUM #3 CHANGES NOT SHOWN - SEE PREVIOUS VERSION FOR DETAILS**

REVISION #1: 10/14/2024
 1. ADDENDUM #3 MARKUPS HIDDEN ON PLANS (ALL SHEETS)
 2. UNMARKED ATC FIBER ON COMMERCIAL AVE. (SOUTH) ADDED WITH ADDITIONAL ULOS (EC-3B & EC-5)

081032427040 625 Jacobson Ave CANODE, RICK & CONSTANCE	081032427058 621 Jacobson Ave SMITH MASTERS CORPORATION	081032427074 3500 Commercial Ave LANGE, JUSTIN L	071005108300 617 Jacobson Ave WALES, MILISSA E (TOWN OF BLOOMING GROVE)	071005108202 609 Jacobson Ave RODRIGO GUEVARA VEGA, ERICK LAURA VILLA, JENNIFER (TOWN OF BLOOMING GROVE)	071005108104 603 Jacobson Ave J&J ENDEAVORS LLC (TOWN OF BLOOMING GROVE)
081032428056 618 Jacobson Ave CITY OF MADISON ENGINEER FUTURE TRANSPORTATION 535	071005108604 616 Jacobson Ave JASON KROHN CASSANDRA KIRSCH (TOWN OF BLOOMING GROVE)	071005108659 612 Jacobson Ave JEFF PULLEY (TOWN OF BLOOMING GROVE)	071005108702 608 Jacobson Ave KEVIN MCINERNEY (TOWN OF BLOOMING GROVE)	071005108702 3516 Furey Ave KEVIN A WALTERS (TOWN OF BLOOMING GROVE)	

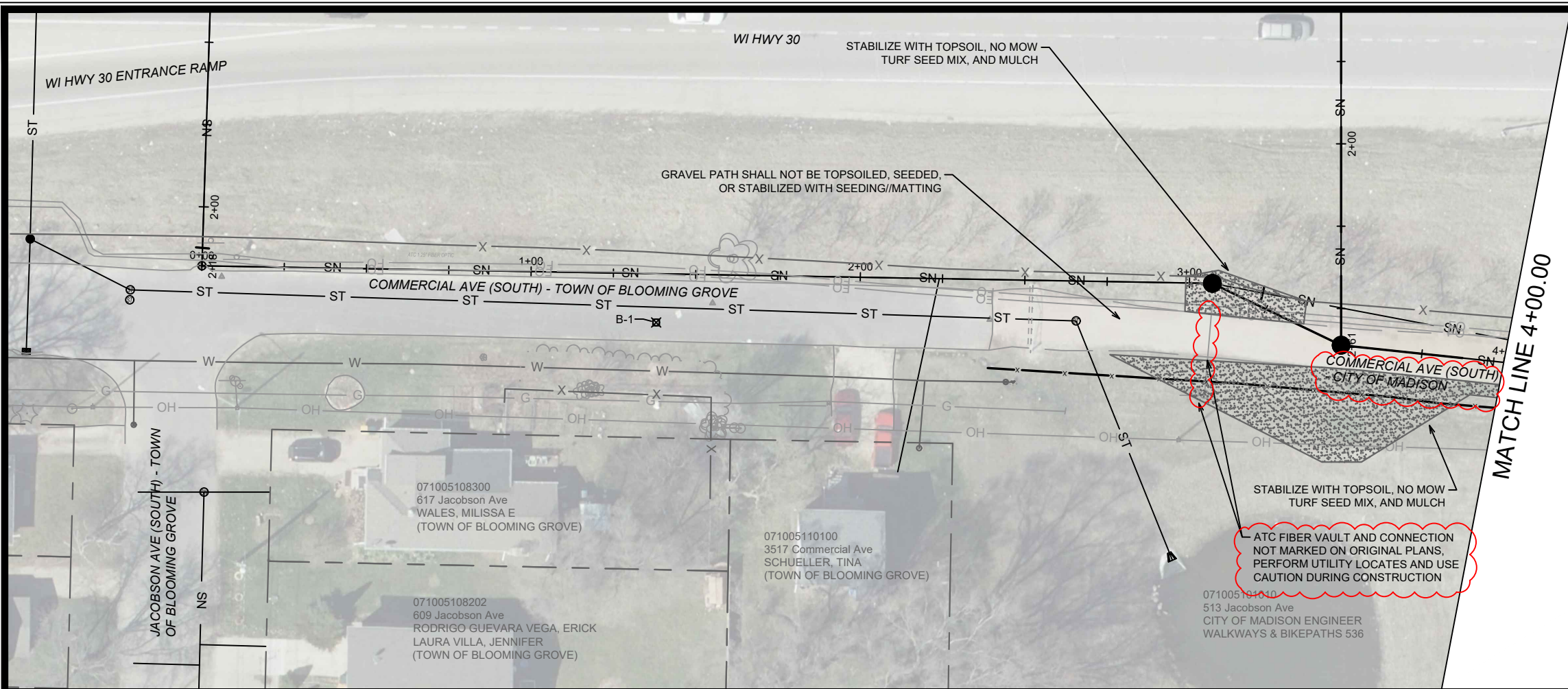
14921
MADISON, WI
14921
9486
CONTRACT NO:

SEWER PLAN AND PROFILE - EXISTING HWY 30 CROSSING
 COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION

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CITY OF MADISON WISCONSIN

14921
EC-4



EROSION CONTROL NOTES:

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

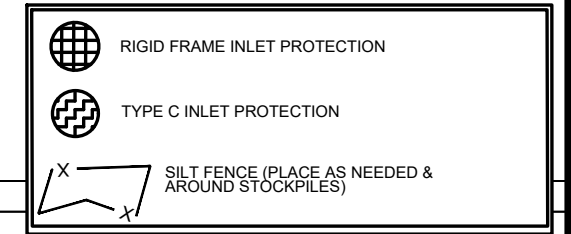
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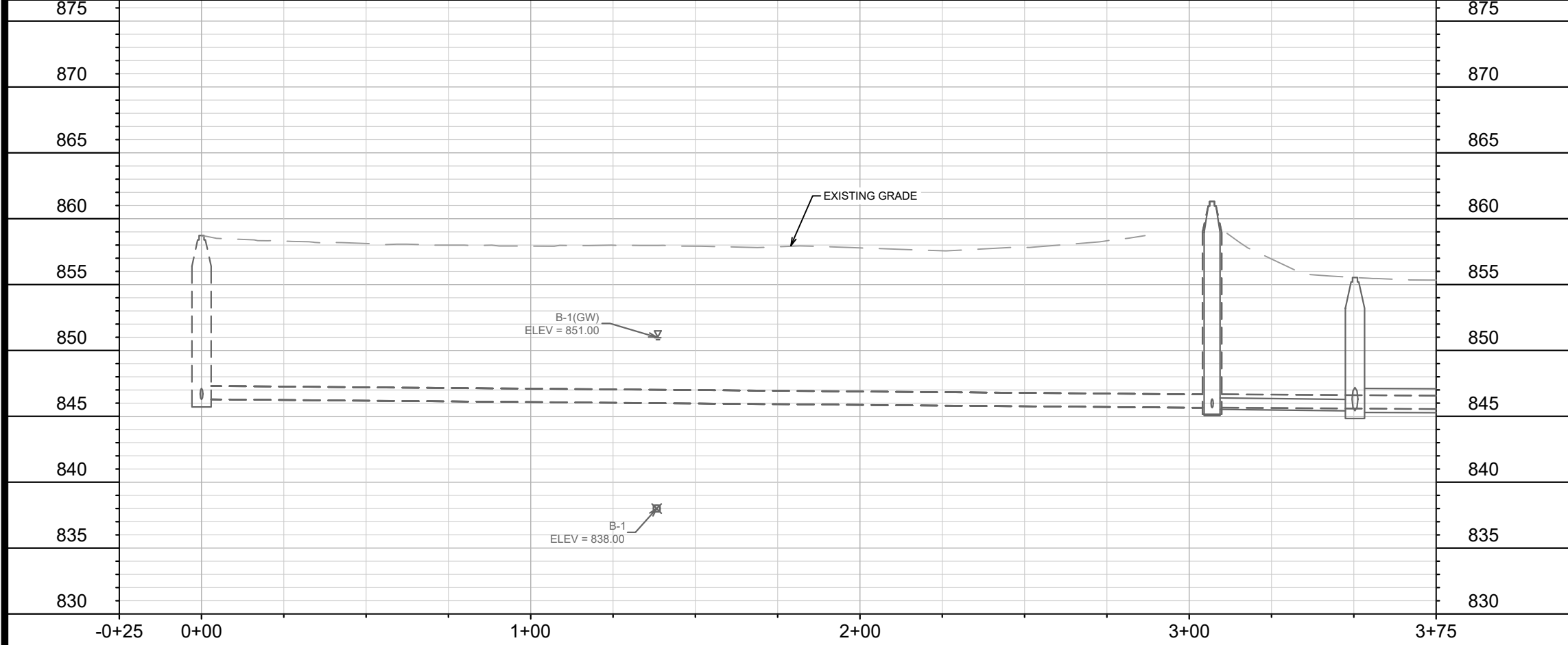
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ADDENDUM #3: 9/3/2024

1. REMOVED AND REPLACED FOLLOWING SHEETS: TITLE, D-2, EC-1-EC-6, U-1-U-8. ADDED SHEETS EC-3A, EC-3B, U-3A, & U-3B

****ADDENDUM #3 CHANGES NOT SHOWN - SEE PREVIOUS VERSION FOR DETAILS**

REVISION #1: 10/14/2024

1. ADDENDUM #3 MARKUPS HIDDEN ON PLANS (ALL SHEETS)

2. UNMARKED ATC FIBER ON COMMERCIAL AVE. (SOUTH) ADDED WITH ADDITIONAL ULOS (EC-3B & EC-5)

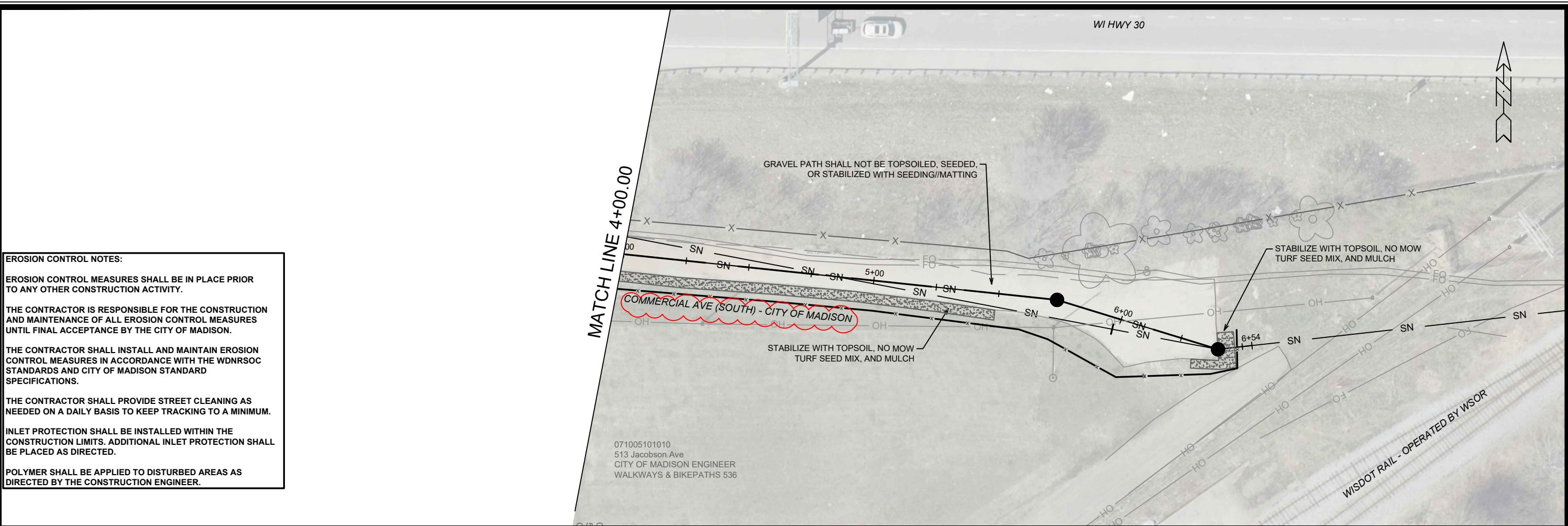
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14921	10/14/24	REVISION	DATE
14921	10/14/2024	2:18 PM	Scale: 1" = 40'
14921	14921	9486	EC-5

14921
MADISON, WI
9486
CONTRACT NO:

SEWER PLAN AND PROFILE - SOUTH COMMERCIAL AVENUE
COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION

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14921
EC-5



EROSION CONTROL NOTES:

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RIGID FRAME INLET PROTECTION

TYPE C INLET PROTECTION

SILT FENCE (PLACE AS NEEDED & AROUND STOCKPILES)

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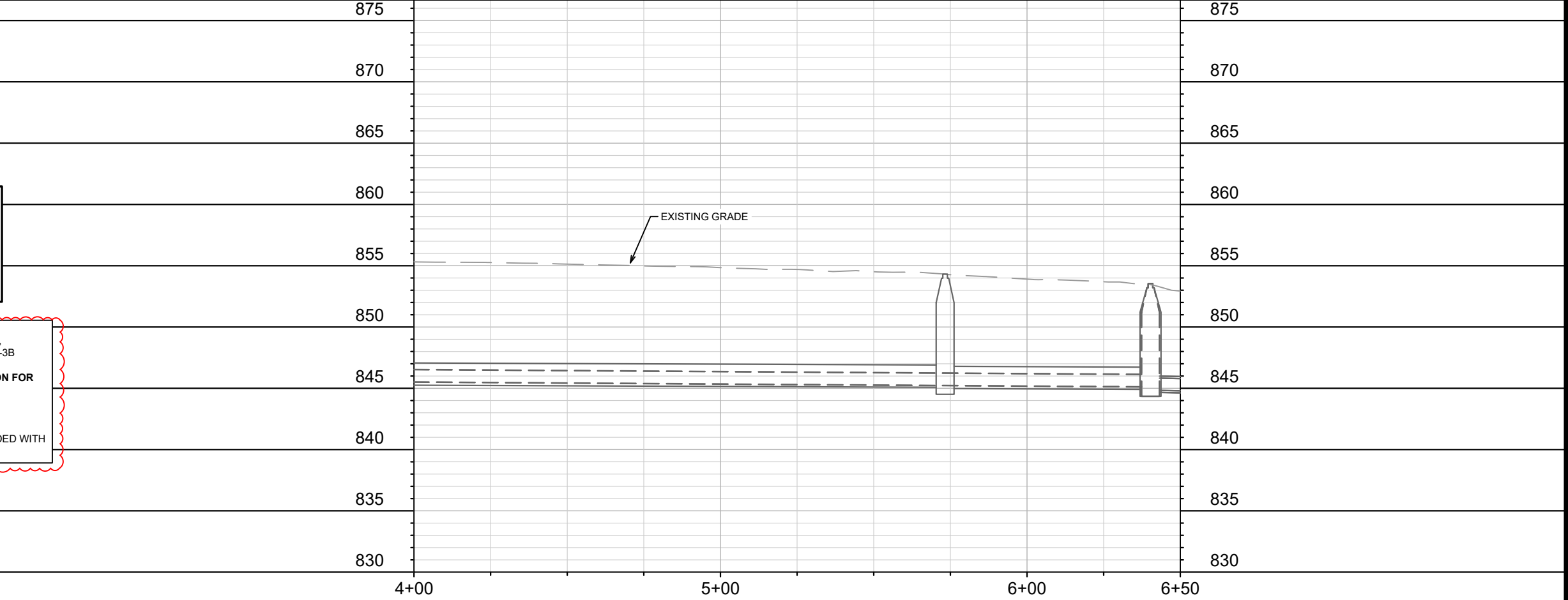
ADDENDUM #3: 9/3/2024

1. REMOVED AND REPLACED FOLLOWING SHEETS: TITLE, D-2, EC-1-EC-6, U-1-U-8. ADDED SHEETS EC-3A, EC-3B, U-3A, & U-3B

****ADDENDUM #3 CHANGES NOT SHOWN - SEE PREVIOUS VERSION FOR DETAILS**

REVISION #1: 10/14/2024

1. ADDENDUM #3 MARKUPS HIDDEN ON PLANS (ALL SHEETS)
2. UNMARKED ATC FIBER ON COMMERCIAL AVE. (SOUTH) ADDED WITH ADDITIONAL ULOS (EC-3B & EC-5)



MARK	REVISION	DATE	BY
1	PAST MARKUP REMOVAL, ATC FIBER	10/14/24	EAC
	DESIGNED BY: EAC	DATE: 10/14/2024 2:18 PM	Scale: 1" = 40'
	PROJECT NO:	14921	EC-6

14921

MADISON, WI

9486

CONTRACT NO:

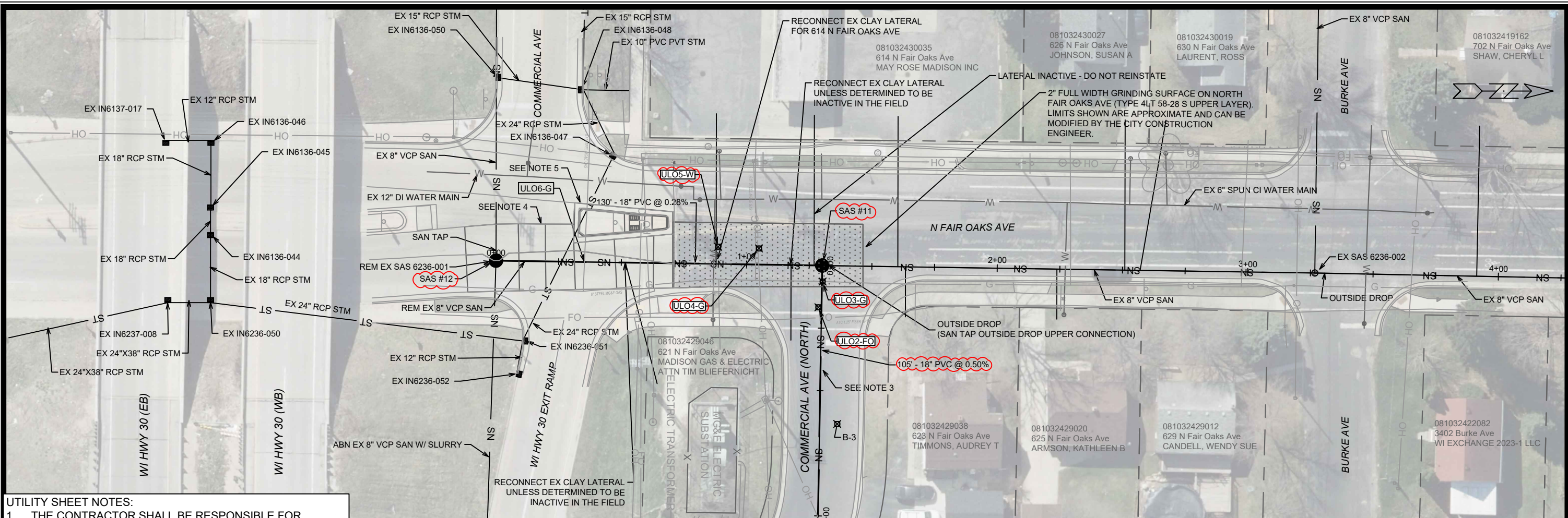
SEWER PLAN AND PROFILE - SOUTH COMMERCIAL AVENUE

COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION

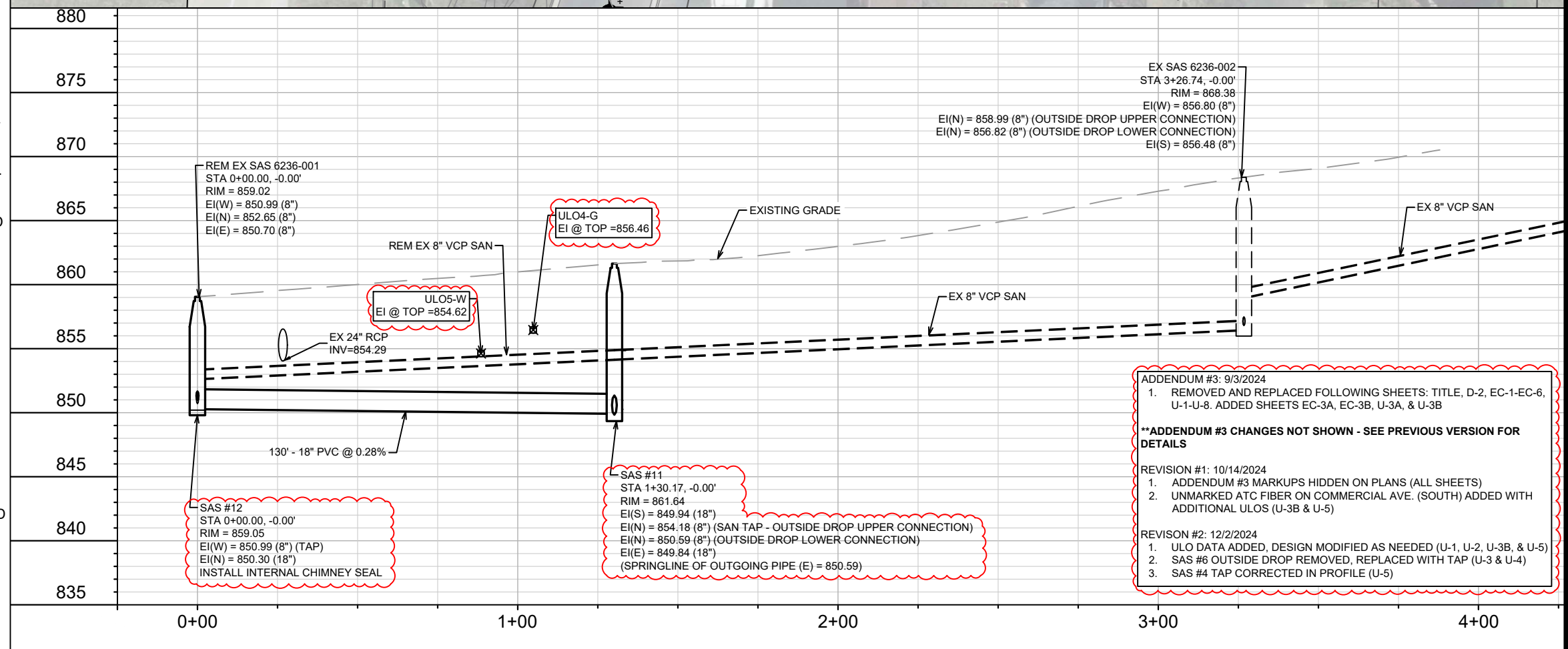
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14921

EC-6



- UTILITY SHEET NOTES:**
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WISDOT PERMIT DT1553 - APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY, ON BEHALF OF THE CITY OF MADISON. THIS PERMIT COVERS SEWER CONSTRUCTION ON WISDOT RIGHT-OF-WAY AND WORK ON N FAIR OAKS AVE THAT ENCLOSES ON THE WI HWY 30 EXIT RAMP.
 - INSTALL EXTERNAL SAS WRAP IN CONFORMANCE WITH S.D.D. 5.7.2 ON STRUCTURES SAS #1 THROUGH SAS #12.
 - UTILITY TRENCH PATCH TYPE III SHALL BE INSTALLED FOR AREAS OF ASPHALT PAVEMENT RESTORATION AND UTILITY TRENCH PATCH TYPE IV SHALL BE INSTALLED FOR AREAS OF GRAVEL PATH RESTORATION. UTILITY TRENCH PATCHING SHALL BE PAID BY LINEAR FOOT OF TRENCH (TRENCH-FOOT).
 - CONCRETE PAVEMENT RECONSTRUCTION ON N FAIR OAKS AVENUE WILL BE REQUIRED FOLLOWING SEWER CONSTRUCTION. CONCRETE PAVEMENT RECONSTRUCTION SHALL BE PAID BY THE SQUARE YARD UNDER BID ITEM 40411.
 - REMOVE EXISTING MEDIAN ON N FAIR OAKS AVE FOR SEWER CONSTRUCTION AND MAINTENANCE OF TRAFFIC. RECONSTRUCT MEDIAN FOLLOWING SEWER CONSTRUCTION - SEE D-3, D-4, & P-1.
 - EXISTING SURFACE GRADES FOR WI HWY 30 ARE BASED UPON LIDAR AND NOT SURVEY.
 - REMOVAL OF CHAIN LINK FENCING SHOULD BE MINIMIZED AND ONLY AS NEEDED FOR ACCESS AND CONSTRUCTION. CITY ENGINEERING SHALL PROVIDE APPROVAL BEFORE FENCING REMOVAL. REMOVED FENCING SHALL BE REPLACED - SEE BID ITEM 90007.



ADDENDUM #3: 9/3/2024
 1. REMOVED AND REPLACED FOLLOWING SHEETS: TITLE, D-2, EC-1-EC-6, U-1-U-8. ADDED SHEETS EC-3A, EC-3B, U-3A, & U-3B

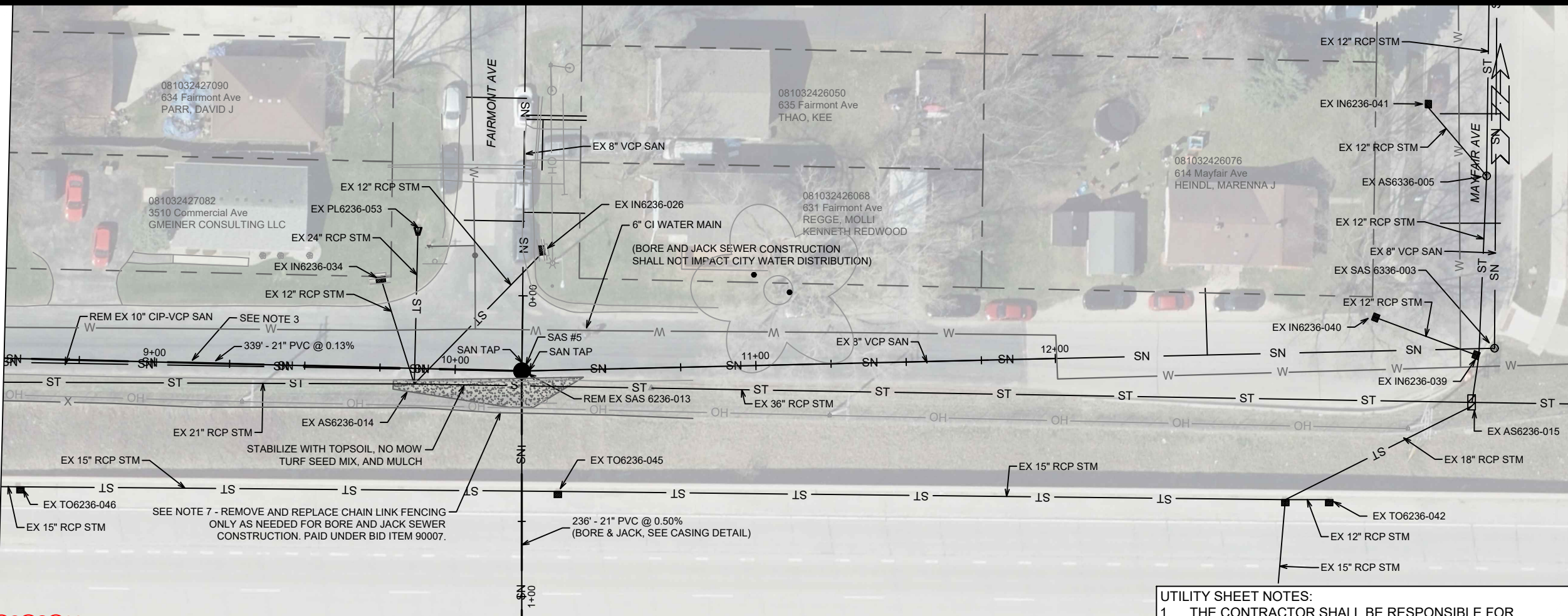
****ADDENDUM #3 CHANGES NOT SHOWN - SEE PREVIOUS VERSION FOR DETAILS**

REVISION #1: 10/14/2024
 1. ADDENDUM #3 MARKUPS HIDDEN ON PLANS (ALL SHEETS)
 2. UNMARKED ATC FIBER ON COMMERCIAL AVE. (SOUTH) ADDED WITH ADDITIONAL ULOS (U-3B & U-5)

REVISION #2: 12/2/2024
 1. ULO DATA ADDED, DESIGN MODIFIED AS NEEDED (U-1, U-2, U-3B, & U-5)
 2. SAS #6 OUTSIDE DROP REMOVED, REPLACED WITH TAP (U-3 & U-4)
 3. SAS #4 TAP CORRECTED IN PROFILE (U-5)

U-1	U-1	U-1	U-1	U-1
DATE	DATE	DATE	DATE	DATE
12/2/24	12/2/24	12/2/24	12/2/24	12/2/24
BY	BY	BY	BY	BY
EAC	EAC	EAC	EAC	EAC
10/14/24	10/14/24	10/14/24	10/14/24	10/14/24
REVISION	REVISION	REVISION	REVISION	REVISION
1	1	1	1	1
PAST MARKUP REMOVAL, ATC FIBER	PAST MARKUP REMOVAL, ATC FIBER	PAST MARKUP REMOVAL, ATC FIBER	PAST MARKUP REMOVAL, ATC FIBER	PAST MARKUP REMOVAL, ATC FIBER
U-1	U-1	U-1	U-1	U-1
Scale: 1" = 40'	Scale: 1" = 40'	Scale: 1" = 40'	Scale: 1" = 40'	Scale: 1" = 40'
14921	14921	14921	14921	14921
9486	9486	9486	9486	9486
CONTRACT NO:	CONTRACT NO:	CONTRACT NO:	CONTRACT NO:	CONTRACT NO:
14921	14921	14921	14921	14921
MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI
14921	14921	14921	14921	14921
SEWER PLAN AND PROFILE - NORTH FAIR OAKS AVENUE	SEWER PLAN AND PROFILE - NORTH FAIR OAKS AVENUE	SEWER PLAN AND PROFILE - NORTH FAIR OAKS AVENUE	SEWER PLAN AND PROFILE - NORTH FAIR OAKS AVENUE	SEWER PLAN AND PROFILE - NORTH FAIR OAKS AVENUE
COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION	COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION	COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION	COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION	COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION
M:\DESIGN\Projects\14921\CAD\Sewers\14921SWR-PipeNetwork.dwg	M:\DESIGN\Projects\14921\CAD\Sewers\14921SWR-PipeNetwork.dwg	M:\DESIGN\Projects\14921\CAD\Sewers\14921SWR-PipeNetwork.dwg	M:\DESIGN\Projects\14921\CAD\Sewers\14921SWR-PipeNetwork.dwg	M:\DESIGN\Projects\14921\CAD\Sewers\14921SWR-PipeNetwork.dwg
14921	14921	14921	14921	14921
U-1	U-1	U-1	U-1	U-1

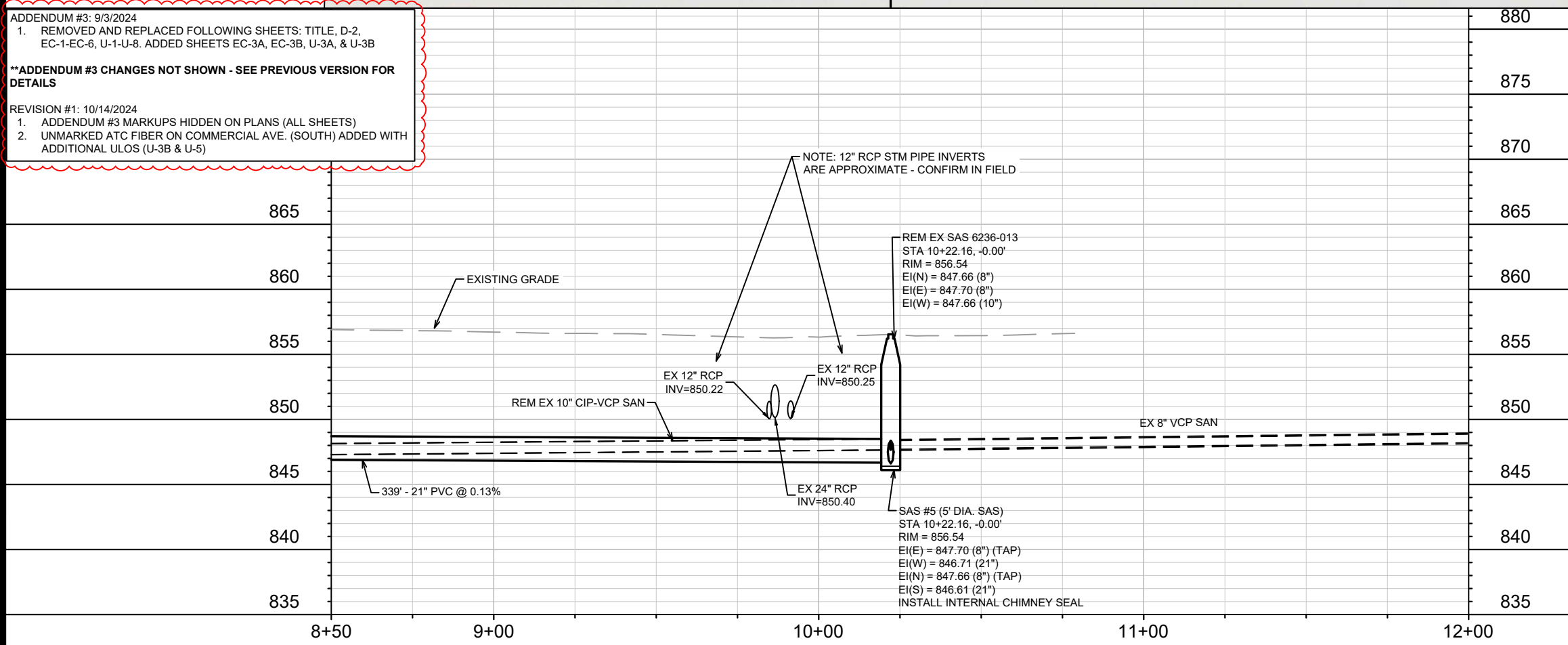
MATCH LINE 8+50.00



ADDENDUM #3: 9/3/2024
 1. REMOVED AND REPLACED FOLLOWING SHEETS: TITLE, D-2, EC-1-EC-6, U-1-U-8. ADDED SHEETS EC-3A, EC-3B, U-3A, & U-3B

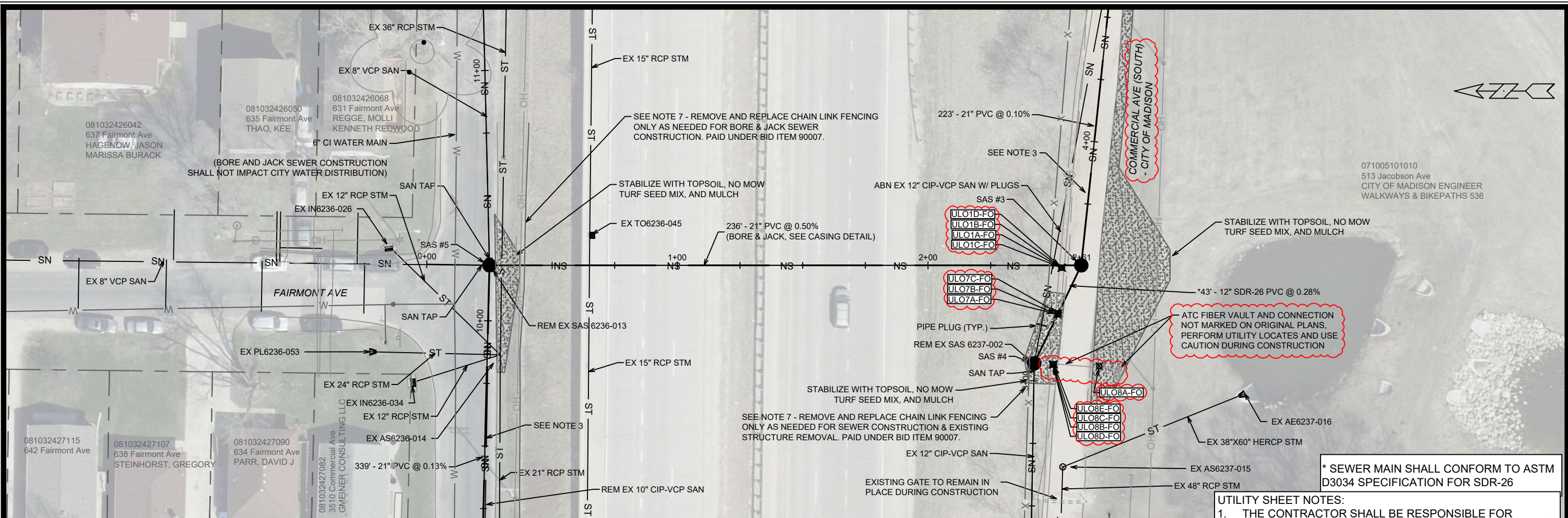
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REVISION #1: 10/14/2024
 1. ADDENDUM #3 MARKUPS HIDDEN ON PLANS (ALL SHEETS)
 2. UNMARKED ATC FIBER ON COMMERCIAL AVE. (SOUTH) ADDED WITH ADDITIONAL ULOS (U-3B & U-5)



- UTILITY SHEET NOTES:
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WISDOT PERMIT DT1553 - APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY, ON BEHALF OF THE CITY OF MADISON. THIS PERMIT COVERS SEWER CONSTRUCTION ON WISDOT RIGHT-OF-WAY AND WORK ON N FAIR OAKS AVE THAT ENCLOSES ON THE WI HWY 30 EXIT RAMP.
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 4. CONCRETE PAVEMENT RECONSTRUCTION ON N FAIR OAKS AVENUE WILL BE REQUIRED FOLLOWING SEWER CONSTRUCTION. CONCRETE PAVEMENT RECONSTRUCTION SHALL BE PAID BY THE SQUARE YARD UNDER BID ITEM 40411.
 5. REMOVE EXISTING MEDIAN ON N FAIR OAKS AVE FOR SEWER CONSTRUCTION AND MAINTENANCE OF TRAFFIC. RECONSTRUCT MEDIAN FOLLOWING SEWER CONSTRUCTION - SEE D-3, D-4, & P-1.
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14921	MADISON, WI	9486
SEWER PLAN AND PROFILE - NORTH COMMERCIAL AVENUE		
COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION		
M:\DESIGN\Projects\14921\CAD\Sewers\14921SWR-PipeNetwork.dwg		
14921	U-3A	U-3A

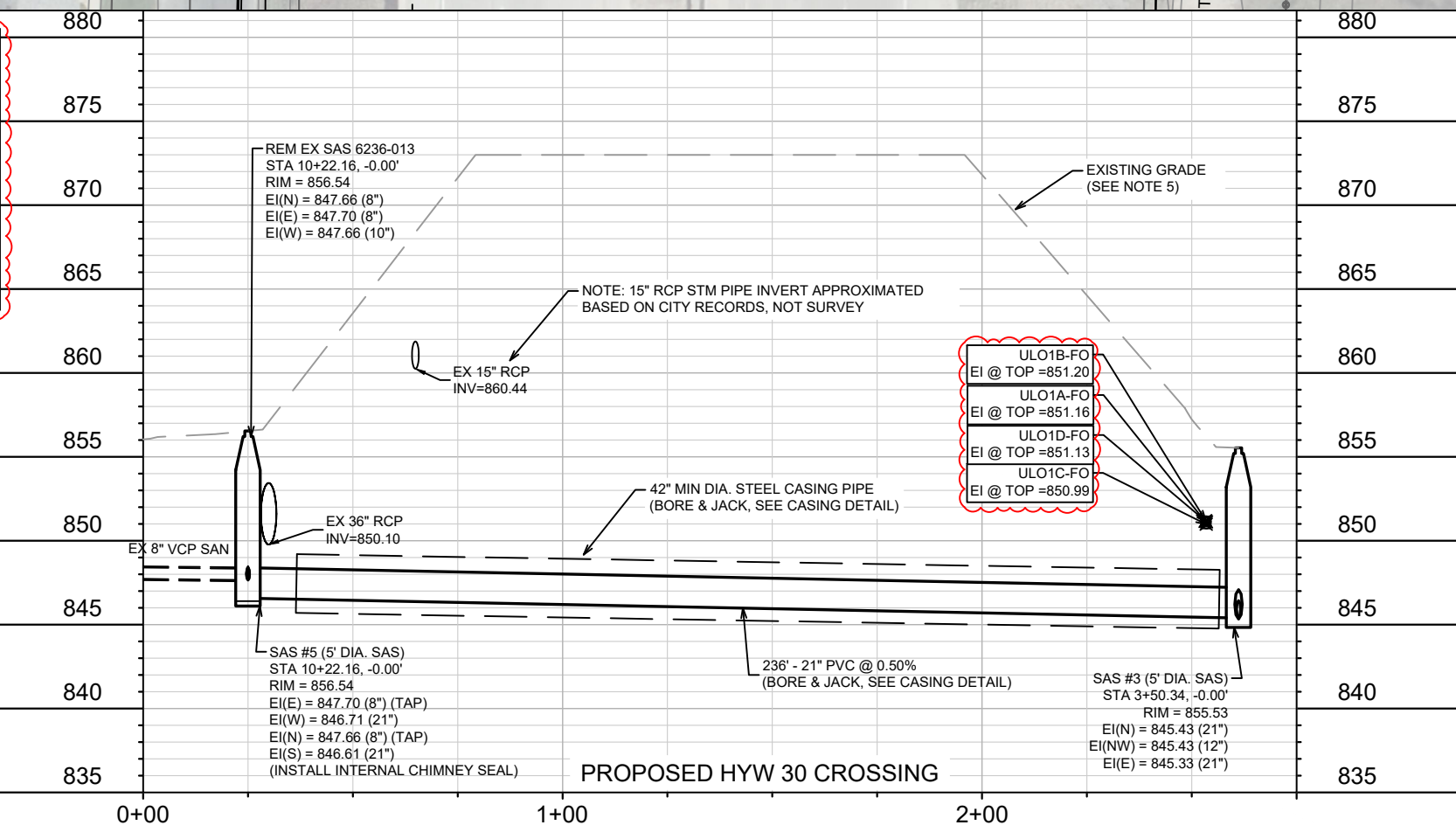


ADDENDUM #3: 9/3/2024
 1. REMOVED AND REPLACED FOLLOWING SHEETS: TITLE, D-2, EC-1-EC-6, U-1-U-8. ADDED SHEETS EC-3A, EC-3B, U-3A, & U-3B

****ADDENDUM #3 CHANGES NOT SHOWN - SEE PREVIOUS VERSION FOR DETAILS**

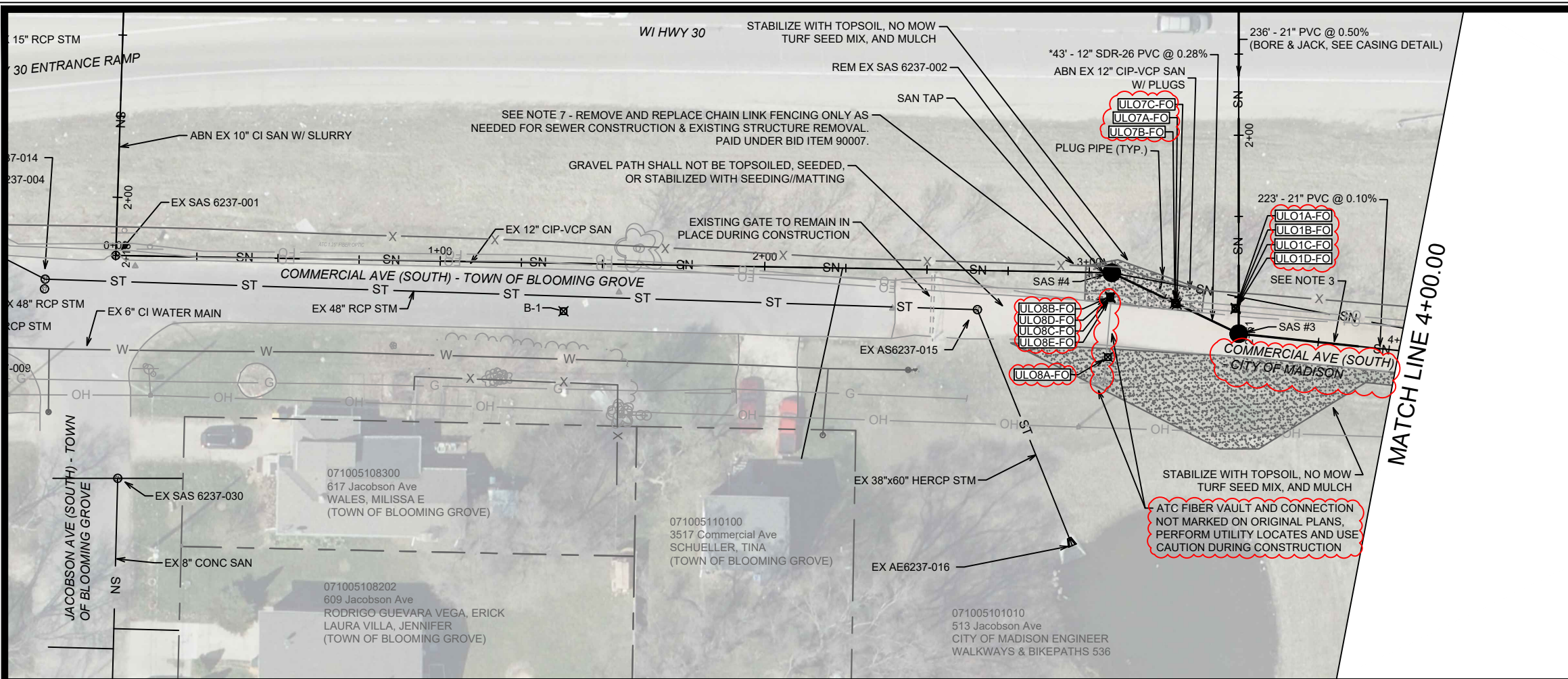
REVISION #1: 10/14/2024
 1. ADDENDUM #3 MARKUPS HIDDEN ON PLANS (ALL SHEETS)
 2. UNMARKED ATC FIBER ON COMMERCIAL AVE. (SOUTH) ADDED WITH ADDITIONAL ULOS (U-3B & U-5)

REVISION #2: 12/2/2024
 1. ULO DATA ADDED. DESIGN MODIFIED AS NEEDED (U-1, U-2, U-3B, & U-5)
 2. SAS #6 OUTSIDE DROP REMOVED, REPLACED WITH TAP (U-3 & U-4)
 3. SAS #4 TAP CORRECTED IN PROFILE (U-5)

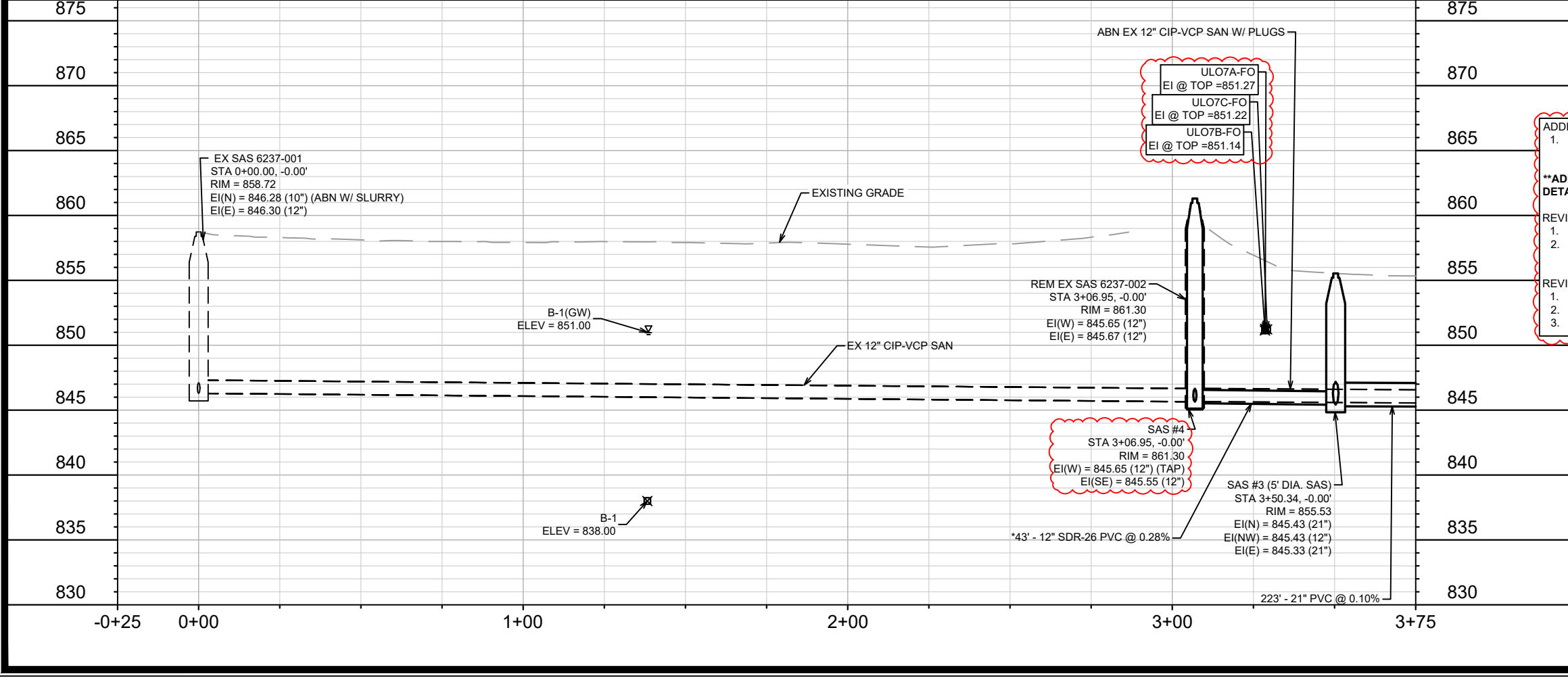


- UTILITY SHEET NOTES:**
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WISDOT PERMIT DT1553 - APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY, ON BEHALF OF THE CITY OF MADISON. THIS PERMIT COVERS SEWER CONSTRUCTION ON WISDOT RIGHT-OF-WAY AND WORK ON N FAIR OAKS AVE THAT ENCROACHES ON THE WI HWY 30 EXIT RAMP.
 2. INSTALL EXTERNAL SAS WRAP IN CONFORMANCE WITH S.D.D. 5.7.2 ON STRUCTURES SAS #1 THROUGH SAS #12.
 3. UTILITY TRENCH PATCH TYPE III SHALL BE INSTALLED FOR AREAS OF ASPHALT PAVEMENT RESTORATION AND UTILITY TRENCH PATCH TYPE IV SHALL BE INSTALLED FOR AREAS OF GRAVEL PATH RESTORATION. UTILITY TRENCH PATCHING SHALL BE PAID BY LINEAR FOOT OF TRENCH (TRENCH-FOOT).
 4. CONCRETE PAVEMENT RECONSTRUCTION ON N FAIR OAKS AVENUE WILL BE REQUIRED FOLLOWING SEWER CONSTRUCTION. CONCRETE PAVEMENT RECONSTRUCTION SHALL BE PAID BY THE SQUARE YARD UNDER BID ITEM 40411.
 5. REMOVE EXISTING MEDIAN ON N FAIR OAKS AVE FOR SEWER CONSTRUCTION AND MAINTENANCE OF TRAFFIC. RECONSTRUCT MEDIAN FOLLOWING SEWER CONSTRUCTION - SEE D-3, D-4, & P-1.
 6. EXISTING SURFACE GRADES FOR WI HWY 30 ARE BASED UPON LIDAR AND NOT SURVEY.
 7. REMOVAL OF CHAIN LINK FENCING SHOULD BE MINIMIZED AND ONLY AS NEEDED FOR ACCESS AND CONSTRUCTION. CITY ENGINEERING SHALL PROVIDE APPROVAL BEFORE FENCING REMOVAL. REMOVED FENCING SHALL BE REPLACED - SEE BID ITEM 90007.

14921	MADISON, WI	9486	U-3B
SEWER PLAN AND PROFILE - PROPOSED HWY 30 CROSSING		CONTRACT NO.:	
COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION		14921	
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		14921 U-3B	



- UTILITY SHEET NOTES:**
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WISDOT PERMIT DT1553 - APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY, ON BEHALF OF THE CITY OF MADISON. THIS PERMIT COVERS SEWER CONSTRUCTION ON WISDOT RIGHT-OF-WAY AND WORK ON N FAIR OAKS AVE THAT ENCROACHES ON THE WI HWY 30 EXIT RAMP.
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* SEWER MAIN SHALL CONFORM TO ASTM D3034 SPECIFICATION FOR SDR-26

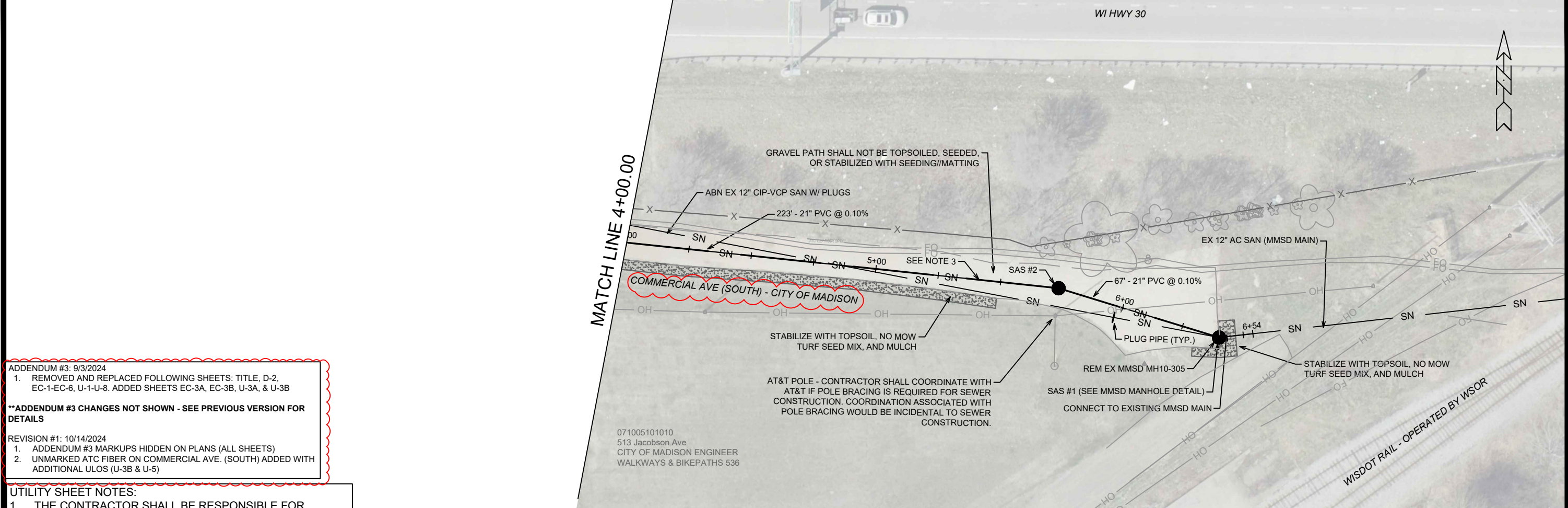
ADDENDUM #3: 9/3/2024
 1. REMOVED AND REPLACED FOLLOWING SHEETS: TITLE, D-2, EC-1-EC-6, U-1-U-8. ADDED SHEETS EC-3A, EC-3B, U-3A, & U-3B

****ADDENDUM #3 CHANGES NOT SHOWN - SEE PREVIOUS VERSION FOR DETAILS**

REVISION #1: 10/14/2024
 1. ADDENDUM #3 MARKUPS HIDDEN ON PLANS (ALL SHEETS)
 2. UNMARKED ATC FIBER ON COMMERCIAL AVE. (SOUTH) ADDED WITH ADDITIONAL ULOS (U-3B & U-5)

REVISION #2: 12/2/2024
 1. ULO DATA ADDED, DESIGN MODIFIED AS NEEDED (U-1, U-2, U-3B, & U-5)
 2. SAS #6 OUTSIDE DROP REMOVED, REPLACED WITH TAP (U-3 & U-4)
 3. SAS #4 TAP CORRECTED IN PROFILE (U-5)

14921	U-5
14921	U-5
MADISON, WI	U-5
14921	U-5
9486	U-5
CONTRACT NO.:	U-5
SEWER PLAN AND PROFILE - SOUTH COMMERCIAL AVENUE	U-5
COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION	U-5
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	U-5
14921	U-5
U-5	U-5

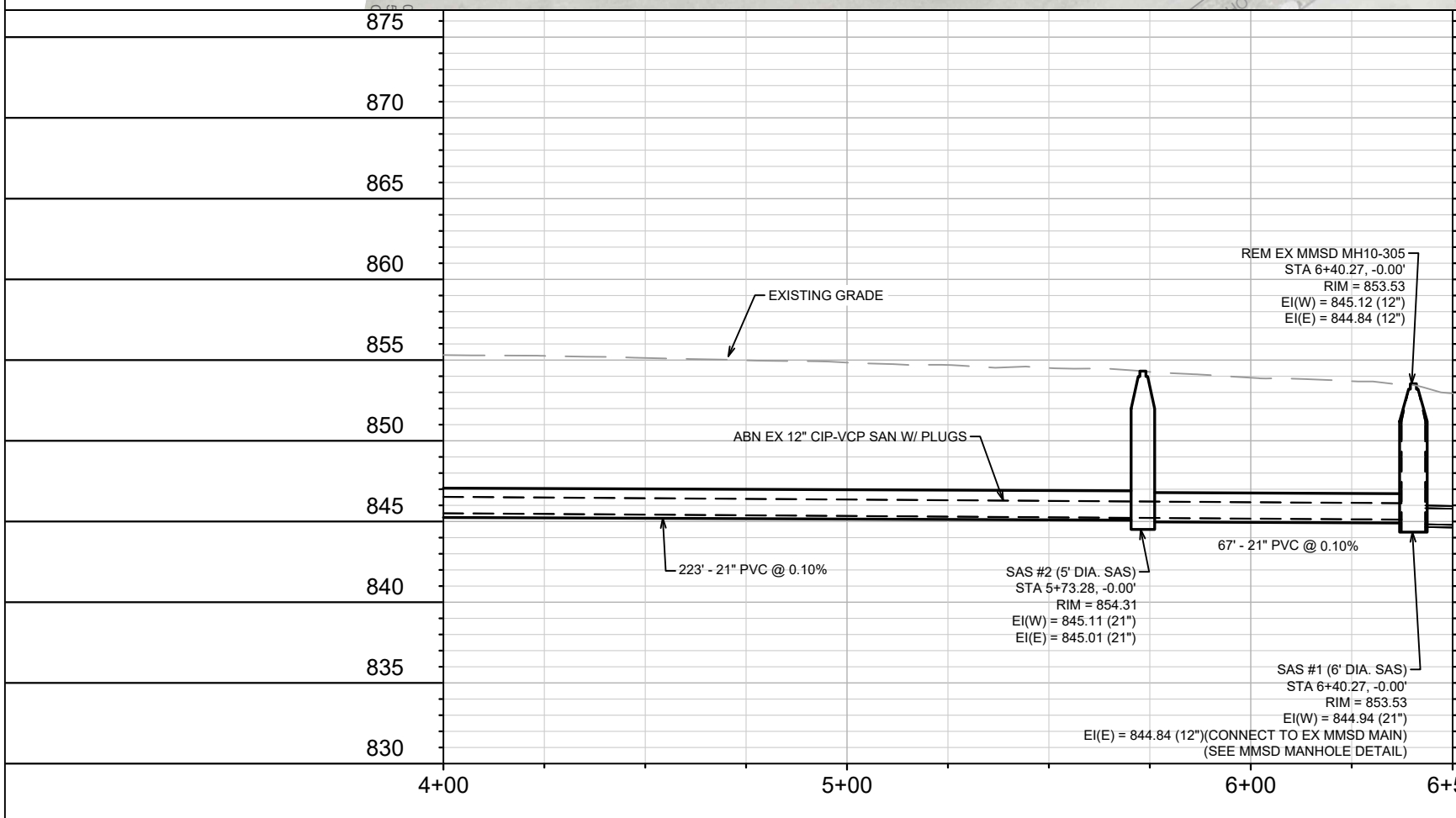


ADDENDUM #3: 9/3/2024
 1. REMOVED AND REPLACED FOLLOWING SHEETS: TITLE, D-2, EC-1-EC-6, U-1-U-8. ADDED SHEETS EC-3A, EC-3B, U-3A, & U-3B

****ADDENDUM #3 CHANGES NOT SHOWN - SEE PREVIOUS VERSION FOR DETAILS**

REVISION #1: 10/14/2024
 1. ADDENDUM #3 MARKUPS HIDDEN ON PLANS (ALL SHEETS)
 2. UNMARKED ATC FIBER ON COMMERCIAL AVE. (SOUTH) ADDED WITH ADDITIONAL ULOS (U-3B & U-5)

- UTILITY SHEET NOTES:
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WISDOT PERMIT DT1553 - APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY, ON BEHALF OF THE CITY OF MADISON. THIS PERMIT COVERS SEWER CONSTRUCTION ON WISDOT RIGHT-OF-WAY AND WORK ON N FAIR OAKS AVE THAT ENCROACHES ON THE WI HWY 30 EXIT RAMP.
 - INSTALL EXTERNAL SAS WRAP IN CONFORMANCE WITH S.D.D. 5.7.2 ON STRUCTURES SAS #1 THROUGH SAS #12.
 - UTILITY TRENCH PATCH TYPE III SHALL BE INSTALLED FOR AREAS OF ASPHALT PAVEMENT RESTORATION AND UTILITY TRENCH PATCH TYPE IV SHALL BE INSTALLED FOR AREAS OF GRAVEL PATH RESTORATION. UTILITY TRENCH PATCHING SHALL BE PAID BY LINEAR FOOT OF TRENCH (TRENCH-FOOT).
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 - REMOVE EXISTING MEDIAN ON N FAIR OAKS AVE FOR SEWER CONSTRUCTION AND MAINTENANCE OF TRAFFIC. RECONSTRUCT MEDIAN FOLLOWING SEWER CONSTRUCTION - SEE D-3, D-4, & P-1.
 - EXISTING SURFACE GRADES FOR WI HWY 30 ARE BASED UPON LIDAR AND NOT SURVEY.
 - REMOVAL OF CHAIN LINK FENCING SHOULD BE MINIMIZED AND ONLY AS NEEDED FOR ACCESS AND CONSTRUCTION. CITY ENGINEERING SHALL PROVIDE APPROVAL BEFORE FENCING REMOVAL. REMOVED FENCING SHALL BE REPLACED - SEE BID ITEM 90007.



- SAS #1 NOTES:
- SAS #1 WILL BE AN MMSD STRUCTURE. THE STRUCTURE WILL BE RENAMED MH10-305A FOLLOWING COMPLETION OF THE PROJECT.
 - SAS #1 SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MMSD STANDARD DETAIL DRAWINGS SHOWN ON SHEET D-1 AND AS OUTLINED IN THE SPECIAL PROVISIONS.
 - CONTRACTOR SHALL CONTACT RAY SCHNEIDER (608) 347-3628 OR RAYS@MADSEWER.ORG, FIVE DAYS PRIOR TO MAKING THE CONNECTION TO MMSD SEWER MAIN TO ARRANGE INSPECTION OF SAS #1 INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING FOR MMSD CONNECTION PERMIT, PERMIT FEE, AND MEETING ALL MMSD PERMIT REQUIREMENTS.
 - SALVAGE AND RE-USE CASTING AND RINGS FROM EXISTING STRUCTURE (MMSD MH10-305) FOR SAS #1. CONTACT RAY SCHNEIDER IF ADDITIONAL RINGS ARE NEEDED.

071005101010
 513 Jacobson Ave
 CITY OF MADISON ENGINEER
 WALKWAYS & BIKEPATHS 536

14921	MADISON, WI	9486
SEWER PLAN AND PROFILE - SOUTH COMMERCIAL AVENUE		
COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION		
CONTRACT NO. 14921		
U-6		

10/14/24 EAC
 10/14/24 EAC
 10/14/2024 2:19 PM
 Scale: 1" = 40'

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SANITARY SEWER SCHEDULE

● **ADDENDUM 3 - 9/3/2024 EAC**
 (ADDENDUM 3 CHANGES NOT SHOWN - SEE PREVIOUS VERSION)
⊕
⊖ **REVISION 1 - 10/14/2024 EAC**
REVISION 2 - 12/2/2024 EAC

COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION PROJECT NO. 14921	SHEET NO. U-7
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

U-7

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
COMMERCIAL AVENUE (SOUTH)						
SAS #1	6+40.27	CL	853.53	844.84	8.69	[2]; 6' DIA. SAS
SAS #2	5+73.28	CL	854.31	845.01	9.30	5' DIA. SAS
⊖ SAS #3	3+50.34	CL	855.53	845.33	10.20	5' DIA. SAS
SAS #4	3+06.95	CL	861.30	845.55	15.75	[10]
COMMERCIAL AVENUE (NORTH)						
SAS #5	10+22.16	CL	856.54	846.61	9.93	[4]; [5]; 5' DIA. SAS
⊖ SAS #6	6+83.04	CL	855.60	847.14	8.46	[5]; [6] ;
SAS #7	6+33.74	CL	855.69	847.38	8.31	[5]
SAS #8	3+51.08	CL	856.77	848.26	8.51	[5]; [7];
⊖ SAS #9	2+46.28	CL	857.49	848.65	8.84	
SAS #10	1+04.80	CL	860.32	849.14	11.18	
NORTH FAIR OAKS AVENUE						
⊖ SAS #11	1+30.17	CL	861.64	849.84	11.80	[8]
⊖ SAS #12	0+00.00	CL	859.05	850.30	8.75	[9]

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PVC TYPE	NOTES
COMMERCIAL AVENUE (SOUTH)							
SAS #1	SAS #2	844.94	845.01	67	0.10%	21"	PS-46
SAS #2	SAS #3	845.11	845.33	223	0.10%	21"	PS-46
SAS #3	SAS #4	845.43	845.55	43	0.28%	12"	SDR-26
WISCONSIN HIGHWAY 30							
SAS #3	SAS #5	845.43	846.61	236	0.50%	21"	[3]; PS-46
COMMERCIAL AVENUE (NORTH)							
SAS #5	SAS #6	846.71	847.14	339	0.13%	21"	PS-46
SAS #6	SAS #7	847.24	847.38	49	0.28%	18"	PS-46
SAS #7	SAS #8	847.48	848.26	283	0.28%	18"	PS-46
SAS #8	SAS #9	848.36	848.65	105	0.28%	18"	PS-46
SAS #9	SAS #10	848.75	849.14	141	0.28%	18"	PS-46
⊖ SAS #10	SAS #11	849.32	849.84	105	0.50%	18"	PS-46
NORTH FAIR OAKS AVENUE							
⊖ SAS #11	SAS #12	849.94	850.30	130	0.28%	18"	PS-46

SPECIFIC NOTES

- [1] INSTALL EXTERNAL SAS WRAP IN CONFORMANCE WITH S.D.D. 5.7.2 ON STRUCTURES SAS #1 THROUGH SAS #12.
- [2] MMSD STRUCTURE - CONSTRUCT IN CONFORMANCE WITH MMSD SPECIFICATIONS (SEE DETAIL DRAWING ON SHEET D-1), CONNECT TO EX MMSD 12" AC MAIN (EI(E) = 844.84), COORDINATE WITH MMSD PRIOR TO INSTALLATION
- [3] INSTALL 21" SANITARY SEWER MAIN WITH PIPE CASING BENEATH WI HWY 30 USING BORE AND JACK METHOD, MIN 42" DIA. CASING, SIZE TO BE DETERMINED BY CONTRACTOR
- [4] 8" TAP (EI(E) = 847.70) & 8" TAP (EI(N) = 847.66) FOR UPSTREAM MAIN CONNECTIONS
- [5] INSTALL INTERNAL CHIMNEY SEAL IN CONFORMANCE WITH S.D.D. 5.7.17
- ⊖ **[6] 8" TAP (EI(N) = 849.16) FOR UPSTREAM MAIN CONNECTION**
- [7] 8" TAP (EI(N) = 849.00) FOR UPSTREAM MAIN CONNECTION
- ⊖ **[8] OUTSIDE DROP 3.59 V.F., 8" TAP (EI(N) = 854.18) FOR OUTSIDE DROP UPPER CONNECTION**
- [9] 8" TAP (EI(W) = 850.99) FOR UPSTREAM MAIN CONNECTION.
- [10] 12" TAP (EI(W) = 845.65) FOR UPSTREAM MAIN CONNECTION

SANITARY SEWER SCHEDULE

● **ADDENDUM 3 - 9/3/2024 EAC**
 (ADDENDUM 3 CHANGES NOT SHOWN - SEE PREVIOUS VERSION)
 Ⓢ **REVISION 1 - 10/14/2024 EAC**
 Ⓢ **REVISION 2 - 12/2/2024 EAC**

COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION	SHEET NO.	8 U
PROJECT NO. 14921	U-8	
SANITARY SEWER SCHEDULE		
CITY OF MADISON		

SANITARY STRUCTURE REMOVALS & ABANDONMENTS

STRUC ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
COMMERCIAL AVENUE (SOUTH)						
MMSD MH10-305	6+40.27	CL	853.53	844.84	8.69	REM. CIRCULAR 5' DIA.
SAS6237-002	3+06.95	CL	861.30	845.65	15.65	REM. CIRCULAR 5' DIA.
COMMERCIAL AVENUE (NORTH)						
SAS6236-013	10+22.16	CL	856.54	847.66	8.88	REM. CIRCULAR 5' DIA.
SAS6236-012	6+83.82	CL	855.65	846.81	8.84	REM. CIRCULAR 5' DIA.
SAS6236-005	3+53.07	RT-32.40	862.76	848.76	14.00	ABN. CIRCULAR 5' DIA.
NORTH FAIR OAKS AVENUE						
SAS6236-001	0+00.00	CL	859.02	850.70	8.32	REM. CIRCULAR 4' DIA.

SANITARY PIPE REMOVALS & ABANDONMENTS

REMOVE FROM	REMOVE TO	LGTH (FT)	PAID (Y/N)	REM LGTH (FT)	REM LGTH PAID (FT)	ABN LGTH (FT)	SLURRY CY	PIPE SIZE	PIPE TYPE	NOTES
COMMERCIAL AVENUE (SOUTH)										
MMSD MH10-305	SAS6237-002	331	Y	--	--	331	--	12"	CIP-VCP	[1]; APRX 2 PLUGS
WISCONSIN HIGHWAY 30										
SAS6237-001	SAS6236-012	218	Y	--	--	218	4.40	10"	CI	[2]
COMMERCIAL AVENUE (NORTH)										
SAS6236-013	SAS6236-012	339	N	339	--	--	--	10"	CIP-VCP	
SAS6236-012	SAS6236-005	330	Y	--	--	330	--	8"	VCP	[3]; APRX 2 PLUGS
SAS6236-005	SAS6236-001	321	Y	--	--	321	4.15	8"	VCP	[2]
SAS6236-005	SAS #8	33	Y	--	--	33	0.43	8"	VCP	[2]
NORTH FAIR OAKS AVENUE										
SAS6236-001	SAS #11	130	N	130	--	--	--	8"	VCP	

SANITARY ULO SCHEDULE

ID NO. (OFFSET)	STATION	LOCATION (OFFSET)	TYPE
COMMERCIAL AVENUE (SOUTH)			
Ⓢ ULO1A-FO	3+46.08	LT-6.79	2" FIBER OPTIC, TOP @ 851.16' - NO CONFLICT
Ⓢ ULO1B-FO	3+46.11	LT-6.65	2" FIBER OPTIC, TOP @ 851.20' - NO CONFLICT
Ⓢ ULO1C-FO	3+46.17	LT-6.53	2" FIBER OPTIC, TOP @ 850.99' - NO CONFLICT
Ⓢ ULO1D-FO	3+46.16	LT-6.44	2" FIBER OPTIC, TOP @ 851.13' - NO CONFLICT
Ⓢ ULO7A-FO	3+28.61	LT-0.13	2" FIBER OPTIC, TOP @ 851.27' - NO CONFLICT
Ⓢ ULO7B-FO	3+28.55	RT-0.04	2" FIBER OPTIC, TOP @ 851.14' - NO CONFLICT
Ⓢ ULO7C-FO	3+29.22	RT-0.12	2" FIBER OPTIC, TOP @ 851.22' - NO CONFLICT
Ⓢ ULO8A-FO	3+17.14	RT-23.96	2" FIBER OPTIC, TOP @ 851.62' - NO CONFLICT
Ⓢ ULO8B-FO	3+09.65	RT-6.79	2" FIBER OPTIC, TOP @ 851.42' - NO CONFLICT
Ⓢ ULO8C-FO	3+09.76	RT-6.96	2" FIBER OPTIC, TOP @ 851.30' - NO CONFLICT
Ⓢ ULO8D-FO	3+09.79	RT-6.95	2" FIBER OPTIC, TOP @ 851.50' - NO CONFLICT
Ⓢ ULO8E-FO	3+09.97	RT-7.24	2" FIBER OPTIC, TOP @ 851.27' - NO CONFLICT
COMMERCIAL AVENUE (NORTH)			
Ⓢ ULO2-FO	0+16.70	RT-1.25	2" FIBER OPTIC (2X), TOP @ 849.22' - NEAR CONFLICT, DESIGN REVISED TO AVOID. ~6" SEPARATION. USE CAUTION
Ⓢ ULO3-G	0+06.39	LT-0.28	6" STEEL GAS, TOP @ 857.52' - NO CONFLICT
NORTH FAIR OAKS AVENUE			
Ⓢ ULO4-G	1+04.85	LT-6.45	1" STEEL GAS, TOP @ 856.46' - NO CONFLICT
Ⓢ ULO5-W	0+88.54	LT-6.89	0.5" WATER SERVICE, TOP @ 854.62' - NO CONFLICT
ULO6-G	0+35.30	CL	0.5" STEEL GAS

SPECIFIC NOTES

- [1] ABANDON PIPE WITH PLUGS, 12" PLUG PAID UNDER BID ITEM 20336 - PIPE PLUG
- [2] ABANDON PIPE WITH SLURRY - PIPE PLUG NOT PAID, INCIDENTAL TO SLURRY ABANDONMENT
- [3] ABANDON PIPE WITH PLUGS, 8" PLUG NOT PAID, INCIDENTAL TO CONNECTING STRUCTURE REMOVAL/ABANDONMENT