

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-RS	MADISON	35	1
CITY OF EDWARDSVILLE		ILLINOIS	CONTRACT NO. 97838	

# PLANS FOR PROPOSED

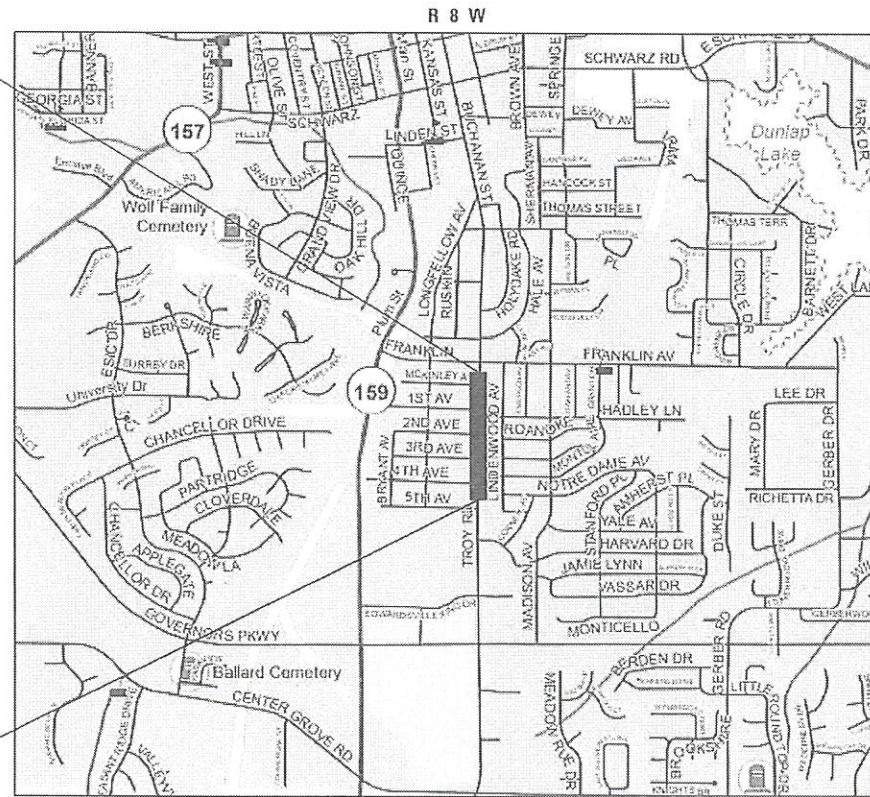
FOR INDEX OF SHEETS, SEE SHEET NO. 2

STP FUNDS  
CITY OF EDWARDSVILLE  
TROY ROAD RESURFACING  
FAU 8887  
SECTION 20-00114-00-RS  
MADISON COUNTY  
PROJECT NO. 6MUR(617)  
JOB NO. C-98-012-24



END IMPROVEMENTS  
STA 999+84.0 (TROY RD)

BEGIN IMPROVEMENTS  
STA. 982+33.5 (TROY RD)



LOCATION MAP  
(NOT TO SCALE)

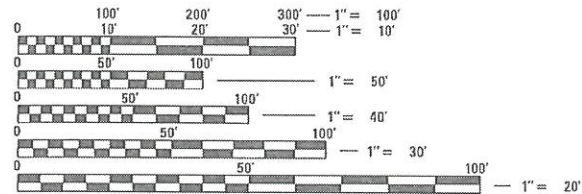
GROSS LENGTH = 1,750.50 FT. = 0.33 MILES  
NET LENGTH = 1,750.50 FT. = 0.33 MILES

**DESIGN DESIGNATION**

ROADWAY CLASSIFICATION = MINOR ARTERIAL  
DESIGN SPEED = 30 MPH  
BUILD ADT (2021) = 11,800

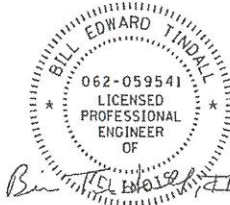
**SCALE IN FEET**

PLAN 1" = 20'  
PROFILE HORIZ 1" = 20'  
PROFILE VERT 1" = 5'  
CROSS SECTION HORIZ 1" = 10'  
CROSS SECTION VERT 1" = 5'



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811



BILL TINDALL, P.E.  
License Expires 11/30/2025

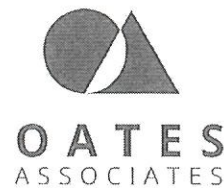
04/05/2024  
Date

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED: *Art Risavy* 4/9/24 DATE  
ART RISAVY MAYOR OF EDWARDSVILLE

PASSED: *[Signature]* 4/12/2024 DATE  
DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW: *[Signature]* 4/12/2024 DATE  
REGION 5 ENGINEER



Collinsville 103 Lanter Court, Suite 1  
Collinsville, IL 62234  
618.345.2200

St. Louis 720 Olive, Suite 700  
St. Louis, MO 63101  
314.588.8361

Belleville 1 South Church, Suite 200  
Belleville, IL 62220  
618.415.4658  
www.oatesassociates.com

St. Charles 820 South Main, Suite 309  
St. Charles, MO 63301  
636.493.6277

ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

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## INDEX OF SHEETS

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## HIGHWAY STANDARDS

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442201-03	CLASS C AND D PATCHES
602301-04	INLET - TYPE A
602306-03	INLET - TYPE B
602401-07	PRECAST MANHOLE TYPE A 4' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
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604051-04	FRAME AND GRATE, TYPE 11
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
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701901-09	TRAFFIC CONTROL DEVICES
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720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
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857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
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880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

## GENERAL NOTES

### UTILITIES

- ABOVE-GROUND UTILITY FACILITIES OR APPURTENANCES SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS TO PROVIDE A MINIMUM HORIZONTAL CLEARANCE OF 1.5 FEET, MEASURED FROM THE FACE OF CURB TO THE NEAR EDGE OF THE OBJECT.
- THE FOLLOWING UTILITY COMPANIES MAY HAVE FACILITIES LOCATED WITHIN THE LIMITS OF CONSTRUCTION WHICH MAY REQUIRE ADJUSTMENT, RELOCATION OR REMOVAL. REFER TO THE "STATUS OF UTILITIES TO BE ADJUSTED" SPECIAL PROVISION FOR ADDITIONAL INFORMATION.

AMEREN IP SOUTH (GAS & ELECTRIC)  
2600 NORTH CENTER  
MARYVILLE, IL 62062  
(618) 301-5327

AT & T DISTRIBUTION (TELEPHONE/ FIBER OPTIC)  
203 GOETHE STREET  
COLLINSVILLE, IL 62234  
(618) 346-6400

CHARTER COMMUNICATIONS  
815 CHARTER COMMONS  
TOWN & COUNTRY, MO 63017  
(314) 393-5028

CITY OF EDWARDSVILLE (WATER AND SEWER)  
200 EAST PARK STREET  
EDWARDSVILLE, IL 62025  
(618) 692-7535

EXTENET SYSTEMS, LLC  
3030 WARRENVILLE ROAD  
LISLE, IL 60532  
(972) 972-7200

USIC LOCATING SERVICES  
13607 LAKEFRONT DRIVE  
EARTH CITY, MO 63045  
(314) 801-8673

### GENERAL CONSTRUCTION

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL STAGE ALL WORK IN SUCH A WAY AS TO MAINTAIN INGRESS AND EGRESS TO ALL ABUTTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION. AGGREGATE FOR TEMPORARY ACCESS WILL BE MEASURED FOR PAYMENT AS SPECIFIED IN THE CONTRACT. THE COST OF ALL OTHER MATERIALS REQUIRED AND ALL OTHER LABOR NECESSARY TO COMPLY WITH THIS PROVISION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- THE CONTRACTOR SHALL CONFINE ALL OPERATIONS TO THE CONSTRUCTION LIMITS LINE SHOWN ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL FERTILIZE, SOD AND WATER ALL EARTH SURFACES DISTURBED BY CONSTRUCTION. FERTILIZER, SODDING AND MULCH WITHIN THE CONSTRUCTION LIMITS WILL BE PAID FOR AS PROVIDED IN THE CONTRACT. FERTILIZER, SODDING AND WATERING OUTSIDE THESE LIMITS WILL NOT BE MEASURED FOR PAYMENT. SEE THE SODDING SCHEDULE FOR ESTIMATED PLAN QUANTITIES.

### PAVING

- THE CONTRACTOR SHALL NOTE THE LOCATION OF ALL MANHOLE AND VALVE COVER FRAMES AND LIDS LOCATED WITHIN RESURFACING LIMITS. APPROPRIATE CARE SHALL BE TAKEN TO PROTECT THESE ITEMS DURING MILLING OPERATIONS.
- HIGH EARLY STRENGTH CONCRETE MIX SHALL BE USED FOR THE CONSTRUCTION OF PCC ENTRANCES. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR THE VARIOUS PCC DRIVEWAY PAVEMENT ITEMS INCLUDED IN THE CONTRACT.
- AT VARIOUS LOCATIONS, IT MAY BE NECESSARY TO TRANSITION PROPOSED COMBINATION CONCRETE CURB AND GUTTER TO MEET EXISTING CURBS OR GUTTERS. THE MINIMUM LENGTH OF TRANSITIONAL COMBINATION CURB AND GUTTER SHALL BE 6 FEET, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, UTILITIES,  
HIGHWAY STANDARDS, & COMMITMENTS

SCALE: NTS SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-RS	MADISON	35	2
TROY RD. RESURFACING		CONTRACT NO. 97838		
CITY OF EDWARDSVILLE		ILLINOIS FED. AID PROJECT		

USER NAME = bill.tindall	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 4/10/2024	DATE -	REVISED -



**DRAINAGE**

- 10. STORM SEWER INVERTS SHOWN ON THE PLANS HAVE BEEN CALCULATED TO THE CENTER OF THE STRUCTURE. THE STORM SEWER SLOPES SHOWN ON THE PLANS ARE THE PERCENT GRADE FROM CENTER TO CENTER OF STRUCTURE. THE LENGTH OF STORM SEWERS SHOWN ON THE PLANS IS THE DISTANCE FROM CENTER TO CENTER OF STRUCTURE. STORM SEWER WILL BE MEASURED AND PAID FOR AS SPECIFIED IN ARTICLES 550.09 AND 550.10 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION."
- 11. THE OFFSETS TO ALL INLETS AND MANHOLES ARE GIVEN TO THE CENTER OF THE OPENING AT THE BASE OF THE FRAME AND GRATE OR LID. CONCENTRIC DRAINAGE STRUCTURES WERE ASSUMED WHEN CALCULATING THESE DIMENSIONS.

**PAVEMENT MARKING**


- 12. THE CONTRACTOR SHALL APPLY SHORT-TERM OR TEMPORARY PAVEMENT MARKINGS TO THE MILLED, PRIMED AND EACH HOT-MIX ASPHALT LAYER. A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING TIMES THE NUMBER OF REQUIRED APPLICATIONS HAS BEEN INCLUDED IN THE PLANS. ONLY THE FINAL APPLICATION OF SHORT-TERM OR TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND SEPARATE PAYMENT WILL BE MADE FOR SHORT TERM PAVEMENT MARKING REMOVAL AND PAVEMENT MARKING REMOVAL - GRINDING.
- 13. THE PAVEMENT MARKING LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE. PROPOSED CROSSWALKS AND STOP BARS SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER, IF NECESSARY, TO MATCH FIELD CONDITIONS.

**APPROXIMATE QUANTITIES, SYMBOLS & ABBREVIATIONS**

- 14. THE FOLLOWING ITEMS AND APPROXIMATE QUANTITIES ARE INCLUDED IN THE "SUMMARY OF QUANTITIES" IN ORDER TO ESTABLISH A UNIT COST FOR WORK WHICH MAY BE REQUIRED TO CONSTRUCT THIS SECTION. THE ACTUAL QUANTITY OF EACH ITEM SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

LOCATING UNDERGROUND UTILITIES	40 FOOT
AGGREGATE FOR TEMPORARY ACCESS	11 TON
CLASS D PATCHES, TYPE I, 10 INCH	25 SQ YD
CLASS D PATCHES, TYPE II, 10 INCH	25 SQ YD
CLASS D PATCHES, TYPE III, 10 INCH	25 SQ YD
CLASS D PATCHES, TYPE IV, 10 INCH	25 SQ YD

- 15. THE FOLLOWING SYMBOLS, ABBREVIATIONS AND PATTERNS SUPPLEMENT OR SUPERCEDE HIGHWAY STANDARD 000001:

	FLARED END SECTIONS
BO	BY OTHERS (USED IN CONJUNCTION WITH TBA & TBR)
CONSTR	CONSTRUCTION
CP	CONTROL POINT
ESMT	EASEMENT
ELEV	ELEVATION
K	LENGTH OF VERTICAL CURVE PER PERCENT GRADE DIFFERENCE
N/F	NOW OR FORMERLY
O/C	OIL AND CHIP
PERM	PERMANENT
PVI	POINT OF VERTICAL INTERSECTION
PVC	POLYVINYL CHLORIDE PIPE
TCE	TEMPORARY CONSTRUCTION EASEMENT
TUP	TEMPORARY USE PERMIT
TBA	TO BE ADJUSTED
TBRL	TO BE RELOCATED
TYP	TYPICAL
W	WIDTH

- 16. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

HOT-MIX ASPHALT	112	LBS / SQ YD / IN
BITUMINOUS MATERIALS (PRIME COAT)	0.25	LBS/SQFT (AGGREGATE SURFACE)
BITUMINOUS MATERIALS (TACK COAT)	0.05	LBS/SQFT (PAVED SURFACE)
AGGREGATE MATERIALS	2.05	TONS / CU YD
NITROGEN FERTILIZER NUTRIENT	90	LBS/ACRE
PHOSPHOROUS FERTILIZER NUTRIENT	90	LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90	LBS/ACRE
TEMPORARY EROSION CONTROL SEEDING	100	LBS/ACRE
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION

**COMMITMENTS**

- 17. NONE

**MIXTURES TABLE**

LOCATION(S):	FAU 8887	FAU 8887	FAU 8887
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE	HOT-MIX ASPHALT BINDER COURSE	PATCHING
PG:	PG 70-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
MIXTURE COMPOSITION:	IL-9.5	IL-19.0	IL-19.0
FRICITION AGG:	MIXTURE "D"	N/A	MIXTURE "B"
MIXTURE WEIGHT:	112.0 LB/SQ YD/IN	112.0 LB/SQ YD/IN	112.0 LB/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A	N/A
MATERIAL TRANSFER DEVICE (REQUIRED?)	NO	NO	NO

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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, UTILITIES,  
HIGHWAY STANDARDS, & COMMITMENTS**

SCALE: NTS SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-RS	MADISON	35	3
TROY RD. RESURFACING		CONTRACT NO. 97838		
CITY OF EDWARDSVILLE		ILLINOIS FED. AID PROJECT		

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		20200100	EARTH EXCAVATION	CU YD	35
		20400800	FURNISHED EXCAVATION	CU YD	5
	*	20800150	TRENCH BACKFILL	CU YD	16
	*	21101610	TOPSOIL FURNISH AND PLACE, 3"	SQ YD	435
		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	8
		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	8
		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	8
		25200100	SODDING	SQ YD	435
		25200200	SUPPLEMENTAL WATERING	UNIT	20
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	9
		28000500	INLET AND PIPE PROTECTION	EACH	8
		31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	117
		35100300	AGGREGATE BASE COURSE, TYPE A 4"	SQ YD	72
		40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	11

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	253
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3,894
		40600370	LONGITUDINAL JOINT SEALANT	FOOT	1,750
		40600990	TEMPORARY RAMP	SQ YD	479
		40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	20
		40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1,213
		42001300	PROTECTIVE COAT	SQ YD	140
		42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	72
		42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	3,039
	*	42400800	DETECTABLE WARNINGS	SQ FT	187
		44000100	PAVEMENT REMOVAL	SQ YD	264
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	63
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	749
		44000600	SIDEWALK REMOVAL	SQ FT	2,139

NOTES: SP - SEE PROJECT SPECIFIC SPECIAL PROVISIONS  
SI - SPECIALTY ITEM

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-R5	MADISON	35	4
CONTRACT NO. 97838				
ILLINOIS FED. AID PROJECT				

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	25
		44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	25
		44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	25
		44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	25
	*	54210182	PIPE ELBOW, 12"	EACH	1
		54248510	CONCRETE COLLAR	CU YD	1.40
	*	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	64
	*	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	142
		55100500	STORM SEWER REMOVAL 12"	FOOT	88
		56109210	WATER VALVES TO BE ADJUSTED	EACH	6
		60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
	*	60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	1
		60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	1
	*	60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	1

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		60255500	MANHOLES TO BE ADJUSTED	EACH	2
		60260100	INLETS TO BE ADJUSTED	EACH	1
		60500060	REMOVING INLETS	EACH	3
		60602800	CONCRETE GUTTER, TYPE B	FOOT	58
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	171
		60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	44
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	663
		60617800	PAVED FLUME	FOOT	3
		67100100	MOBILIZATION	L SUM	1
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	712
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	178
		70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	7,383
		70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	410
		70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	165

NOTES: SP - SEE PROJECT SPECIFIC SPECIAL PROVISIONS  
SI - SPECIALTY ITEM

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DATE = 4/10/2024

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REVISIONS -  
REVISOR -  
REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-R5	MADISON	35	5
CONTRACT NO. 97838				
ILLINOIS FED. AID PROJECT				

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
*		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	192
*		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	7,383
*		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	410
*		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	165
*		78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	90
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	90
		78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	4,433
*		80300100	LOCATING UNDERGROUND CABLE	FOOT	40
*		81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	12
*		81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	7
*		81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	70
*		81400100	HANDHOLE	EACH	1
*		87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	320
*		87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	330

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
*		87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	430
*		87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	240
*		87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	130
*		88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
*		89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	620
*	*	X0326899	SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	2
	*	X1200108	INLET BOX (SPECIAL)	EACH	4
	*	X4200470	STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	140
	*	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	8,600
	*	X5510010	STORM SEWER CONNECTION	EACH	4
	*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
*	*	X7200105	SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	25
*	*	X7240300	SIGN REMOVAL	EACH	6
*	*	X7280105	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)	FOOT	94

NOTES: SP - SEE PROJECT SPECIFIC SPECIAL PROVISIONS  
SI - SPECIALTY ITEM

MODEL Default  
FILE NAME: P:\2222031 - Troy Rd (4th to Franklin)\CADD\Restoration\CADD Drawings\08222031-sht-500.dgn



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PLOT DATE = 5/29/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

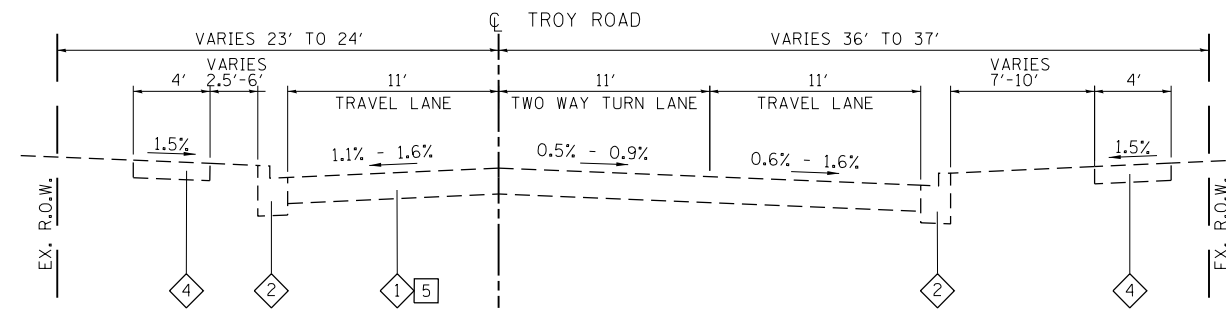
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-R5	MADISON	35	6
CONTRACT NO. 97838				
ILLINOIS FED. AID PROJECT				



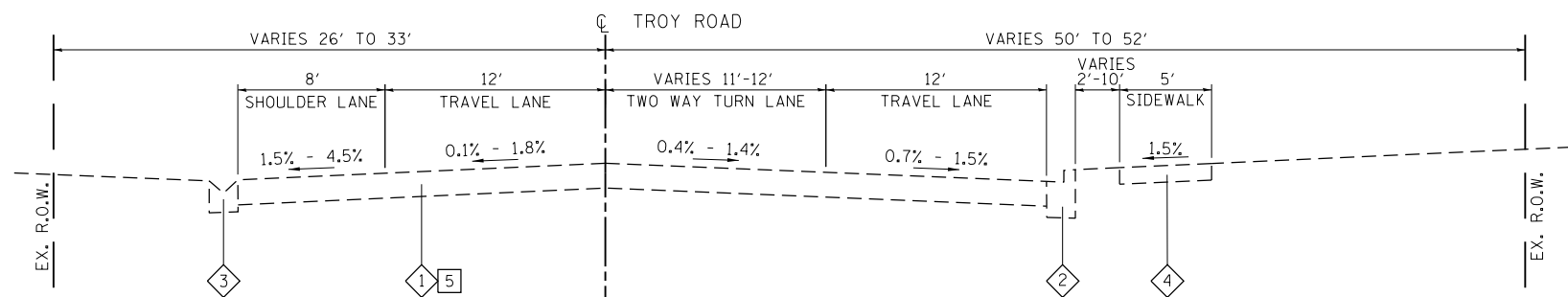
**TYPICAL SECTION LEGEND**

- ① EXISTING PAVEMENT (VARIES 7" TO 13")
- ② EXISTING COMBINATION CURB AND GUTTER
- ③ EXISTING V GUTTER
- ④ EXISTING SIDEWALK



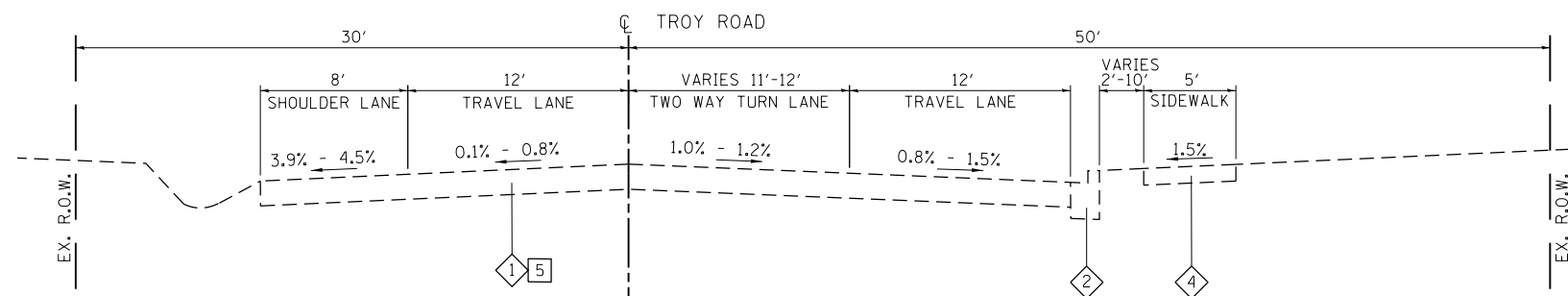
**EXISTING TROY ROAD**

1ST AVENUE TO END OF RESURFACING  
 STA 994+82.8 - STA 999+84.0 ④②③



**EXISTING TROY ROAD**

3RD AVENUE TO 1ST AVENUE  
 STA 987+85.5 - STA 994+82.8 ①②



**EXISTING TROY ROAD**

BEGIN OF RESURFACING TO 3RD AVENUE  
 STA 982+33.5 - STA 987+85.5

**TYPICAL SECTION NOTES**

- ① FLUSH (TWLTL) TRANSITIONS FROM 11' WIDTH AT STA 989+00 TO 12' WIDTH AT STA 990+00.
- ② TRAVEL LANES AND FLUSH (TWLTL) TRANSITIONS FROM 12' WIDTHS AT STA 993+00 TO 11' WIDTHS AT 996+00.
- ③ FLUSH (TWLTL) TRANSITIONS FROM 11' WIDTH AT STA 996+00 TO 10' WIDTH AT STA 997+00.
- ④ GUTTER PAN WIDTH TRANSITIONS FROM 2' TO 0' FROM STA 995+30 RT TO STA 999+84 RT.
- ⑤ EXISTING PAVEMENT THICKNESS ALONG TROY ROAD IS 10" HMA FROM 4TH AVE TO MONTCLAIRE AVE, 5.25" HMA ON 7.25" PCC FROM MONTCLAIRE AVE TO 2ND AVE, 3" HMA ON 4" PCC FROM 2ND AVE TO FRANKLIN AVE.

MODEL: SUT\_TYPICALS  
 FILE NAME: IPR222031 - Troy Rd (4th to Franklin) CADD\Microstation\CADD\_Drawing\08222031-011.txd  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
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PLOT DATE = 4/5/2024	CHECKED -	REVISED -
	DATE -	REVISED -

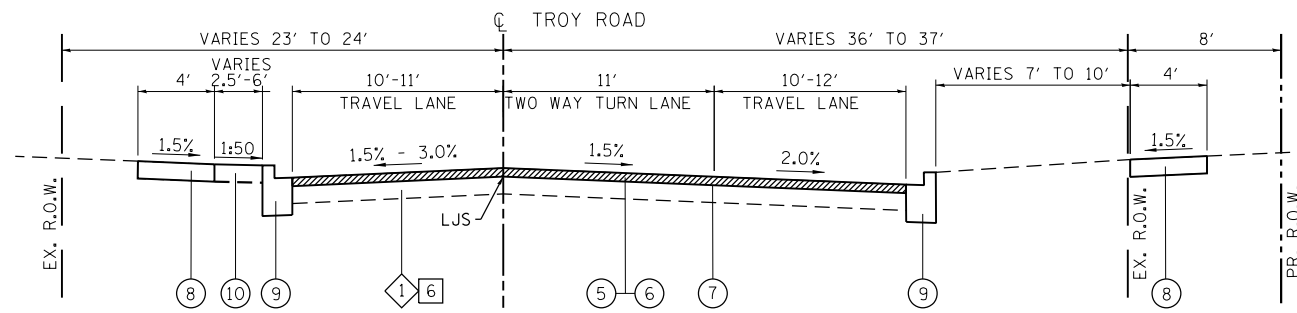
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

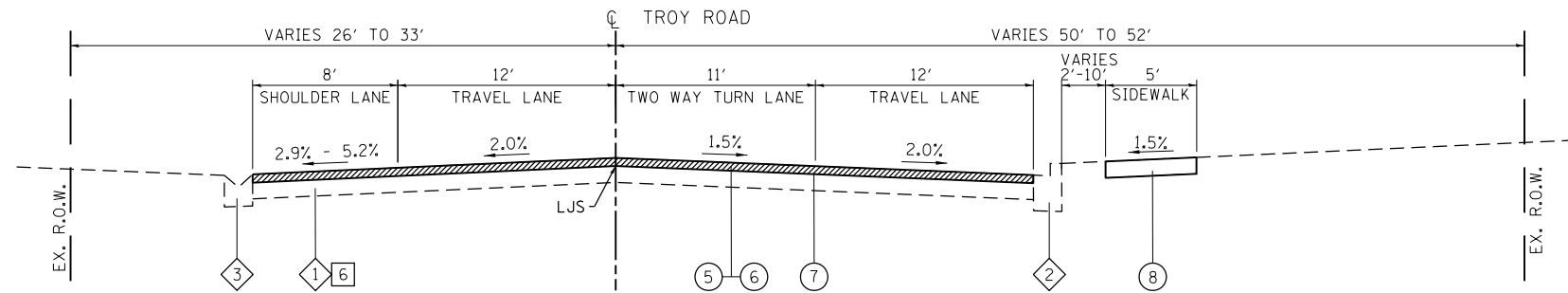
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-R5	MADISON	35	8
CONTRACT NO. 97838				
ILLINOIS FED. AID PROJECT				





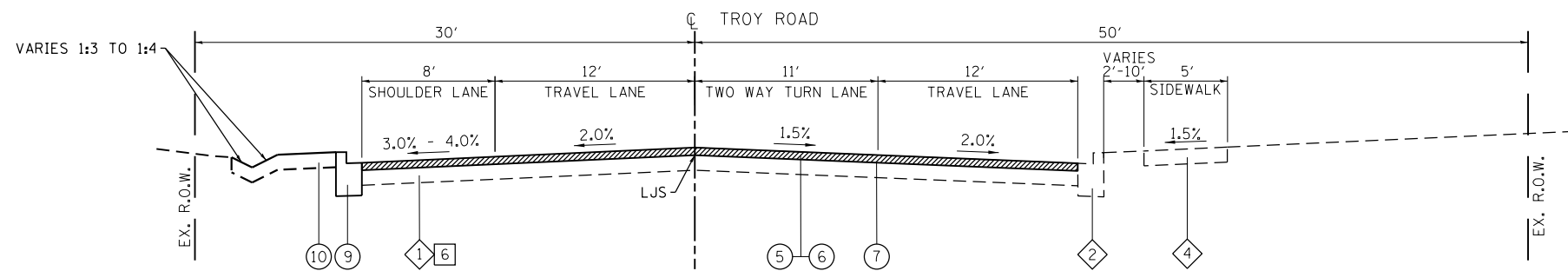
**PROPOSED TROY ROAD**

1ST AVENUE TO END OF RESURFACING  
STA 994+82.8 - STA 999+84.0 [4][2][3]



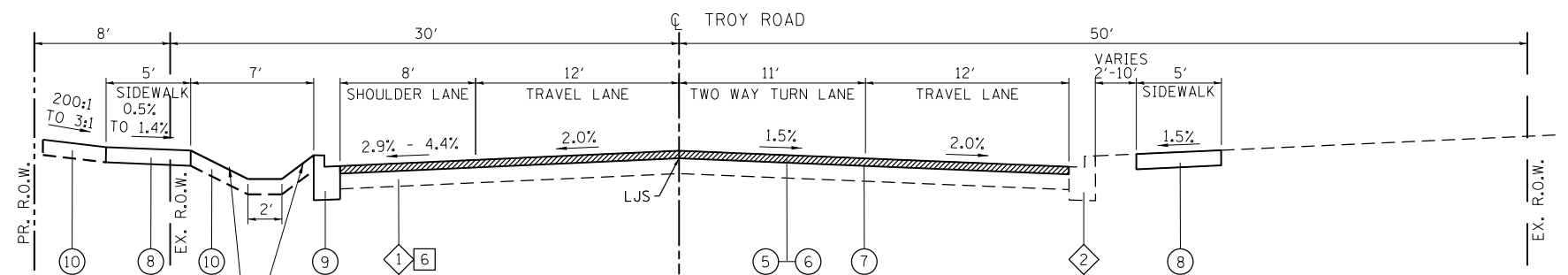
**PROPOSED TROY ROAD**

3RD AVENUE TO 1ST AVENUE [1][2]  
STA 987+85.5 - STA 994+82.8



**PROPOSED TROY ROAD**

MONTCLAIRE AVENUE TO 3RD AVENUE  
STA 985+59.8 - STA 987+85.5



**PROPOSED TROY ROAD**

BEGIN OF RESURFACING TO MONTCLAIRE AVENUE  
STA 982+33.5 - STA 985+59.8

**TYPICAL SECTION LEGEND**

- 1 EXISTING PAVEMENT (VARIES 7" TO 13")
- 2 EXISTING COMBINATION CURB AND GUTTER
- 3 EXISTING V GUTTER
- 4 EXISTING SIDEWALK
- 5 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- 6 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
- 7 PROPOSED TACK COAT
- 8 PROPOSED SIDEWALK (SPOT REPAIRS AND CURB RAMPS)
- 9 PROPOSED COMBINATION CURB AND GUTTER
- 10 PROPOSED TOPSOIL FURNISH AND PLACE, 3" WITH SOD

**TYPICAL SECTION NOTES**

- 1 FLUSH (TWLTL) TRANSITIONS FROM 11' WIDTH AT STA 989+00 TO 12' WIDTH AT STA 990+00.
- 2 TRAVEL LANES AND FLUSH (TWLTL) TRANSITIONS FROM 12' WIDTHS AT STA 993+00 TO 11' WIDTHS AT 996+00.
- 3 FLUSH (TWLTL) TRANSITIONS FROM 11' WIDTH AT STA 996+00 TO 10' WIDTH AT STA 997+00.
- 4 GUTTER PAN WIDTH TRANSITIONS FROM 2' TO 0' FROM STA 995+30 RT TO STA 999+84 RT.
- 5 VARIABLE DEPTH MILLING WILL HOLD 1.5" AT EDGE OF PAVEMENT AND MILL ACCORDING TO CROSS SLOPES SHOWN IN TYPICALS.
- 6 EXISTING PAVEMENT THICKNESS ALONG TROY ROAD IS 10" HMA FROM 4TH AVE TO MONTCLAIRE AVE, 5.25" HMA ON 7.25" PCC FROM MONTCLAIRE AVE TO 2ND AVE, 3" HMA ON 4" PCC FROM 2ND AVE TO FRANKLIN AVE.

MODEL: SUT\_TYPICALS; FILE NAME: IPR222031 - Troy Rd (4th to Franklin) CADD\Microstation\CADD\_Drawing\08222031-sut\_tptcal.dgn



USER NAME = roshan.pokhrel  
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PLOT DATE = 4/5/2024

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-R5	MADISON	35	9
CONTRACT NO. 97838				
		ILLINOIS	FED. AID PROJECT	

**CURB & GUTTER**

STATION	STATION	OFFSET	COMB CURB GUTTER REM (FOOT)	CONC GUTTER TB (FOOT)	COMB CC&G TB6.12 (FOOT)	COMB CC&G TB6.18 (FOOT)	COMB CC&G TB6.24 (FOOT)
982+38	982+50	RT	15				15
982+80	982+90	RT	15				15
983+16	983+25	RT	14				14
983+58	983+71	RT	16				16
983+84	983+94	RT	15				15
984+31	984+46	RT	21				21
984+58	984+90	LT	42				104
985+14	986+02	RT	91				91
985+27	985+30	RT	3				3
985+88	987+43	LT	11				138
986+42	986+53	RT	16				16
986+91	987+03	RT	16				16
987+43	987+65	LT	28				28
993+54	993+64	LT	11	11			
993+60	993+76	RT	32	34			
994+10	994+15	RT	13	13			
995+04	995+26	LT	24				24
995+11	995+27	RT	16				16
995+83	996+15	LT	32				32
996+73	997+03	RT	30			30	
997+94	998+12	LT	36				36
998+13	999+84	RT	171		171		
998+47	998+60	LT	28				32
999+31	999+84	LT	53			14	31
<b>TOTAL</b>			<b>749</b>	<b>58</b>	<b>171</b>	<b>44</b>	<b>663</b>

**EARTHWORK**

STATION	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
982+33	999+84	35	25	30	-5
<b>TOTAL</b>		<b>35</b>	<b>25</b>	<b>30</b>	<b>-5</b>

**ENTRANCE**

STATION	OFFSET	AGG BASE CSE A 4 (SQ YD)	AGGREGATE TEMP ACCESS (TON)	PCC DRIVEWAY PAVT 6 (SQ YD)	DRIVE PAVEMENT REM (SQ YD)
995+99	LT	11	2	11	11
996+88	RT	20	3	20	17
998+77	RT	15	2	15	14
999+43	RT	14	2	14	11
999+49	LT	12	2	12	10
<b>TOTAL</b>		<b>72</b>	<b>11</b>	<b>72</b>	<b>63</b>

**EROSION CONTROL**

STATION	STATION	OFFSET	TEMP EROS CONTR SEED (POUND)	INLET & PIPE PROTECT (EACH)
982+34	999+84	LT/RT	9	8
<b>TOTAL</b>			<b>9</b>	<b>8</b>

**SODDING**

STATION	STATION	OFFSET	TOPSOIL F & P 3 (SQ YD)	NITROGEN FERT NUTR (POUND)	PHOSPHORUS FERT NUTR (POUND)	POTASSIUM FERT NUTR (POUND)	SODDING (SQ YD)	SUPPLE WATERING (UNITS)
982+24	999+84	LT/RT	435	8	8	8	435	20
<b>TOTAL</b>			<b>435</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>435</b>	<b>20</b>

**SIDEWALK**

STATION	STATION	OFFSET	PC CONC SIDEWALK 4 (SQ FT)	DETECTABLE WARNINGS (SQ FT)	SIDEWALK REM (SQ FT)
982+24	982+48	RT	106	16	89
982+81	983+24	RT	262	25	239
983+60	983+92	RT	166	27	156
984+32	984+45	RT	68	10	62
984+64	985+34	LT	409	29	
985+26	985+30	RT	2		
986+30	986+53	RT	116	10	105
986+92	987+10	RT	91	10	89
988+24	988+29	RT	16		16
990+47	990+52	RT	11		
993+41	993+76	RT	324	10	247
994+10	994+34	RT	121	10	93
995+00	995+34	RT	225	10	132
995+04	995+93	LT	488	10	329
996+04	996+18	LT	59		49
996+70	996+82	RT	57		39
996+94	997+05	RT	49		39
997+78	998+11	LT	165	10	195
998+06	998+19	RT	61		53
998+43	998+75	LT	243	10	207
<b>TOTAL</b>			<b>3,039</b>	<b>187</b>	<b>2,139</b>

**PAVEMENT SCHEDULE**

STATION	STATION	OFFSET	SUB GRAN MAT A (TON)	BIT MATLS PR CT (POUND)	BIT MATLS TACK CT (POUND)	LONG JOINT SEALANT (FOOT)	TEMPORARY RAMP (SQ YD)	HMA BC IL-19.0 N70 (TON)	HMA SC IL-9.5 N70 MIX "D" (TON)	PROTECTIVE COAT (SQ YD)	PAVEMENT REM (SQ YD)	STAMPED CLRDPCCPVT 10J (JOINTED) (SQ YD)	HMA SURF REM VAR DP (SQ YD)
982+33	999+84	LT/RT			3,894	1,750	45		1,205				8,412
982+45	984+33	RT					70						
982+79	984+56	LT					44						
985+04	985+12	LT	1	4				1			2		
985+23	985+96	LT/RT	30							69	35	69	130
985+32	990+15	RT					87				34		
985+37	985+45	LT	1	4				1			2		
985+49	993+54	LT	6				113				14		
993+74	999+54	RT	10				53			24	23	24	
994+55	996+76	LT					37						
995+15	995+21	LT/RT	10								23	24	
998+01	998+60	LT	48	242			16	17	8	24	108		
998+11	998+48	LT	10							23	22	23	58
998+59	999+61	RT	1	3			14	1			1		
<b>TOTAL</b>			<b>117</b>	<b>253</b>	<b>3,894</b>	<b>1,750</b>	<b>479</b>	<b>20</b>	<b>1,213</b>	<b>140</b>	<b>264</b>	<b>140</b>	<b>8,600</b>

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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-R5	MADISON	35	10
CONTRACT NO. 97838			ILLINOIS FED. AID PROJECT	

**PAVEMENT MARKING**

STATION	STATION	OFFSET	SHORT TERM PAVT MKING (FOOT)	SHRT TRM PAVT MK REM (SQ. FT)	TEMP PVT MK L 6 PNT (FOOT)	TEMP PVT MK L 12 PNT (FOOT)	TEMP PVT MK L 24 PNT (FOOT)	THPL PVT MK LR & SYM	THPL PVT MK LINE 6 (FOOT)	THPL PVT MK LINE 12 (FOOT)	THPL PVT MK LINE 24 (FOOT)	RAISED REFL PAVT MKR (EACH)	RAISED PVT MK REM (EACH)	PAVT MRKG REM GRIND (SQ. FT)
982+33	999+84	CTR						192				90	90	
982+33	985+22	RT	32	8	562				562		40			361
982+34	985+22	LT	64	16	761				761		32			445
985+28	985+91	LT/RT					157			157				157
985+37	986+95	RT	24	6	970	46	23		970	46	23			577
985+94	987+10	LT			939		22		939		22			514
986+95	995+10	RT	192	48	1119	70			1119	70				630
987+10	995+22	LT/RT	192	48	1010	68			1010	68				573
987+70	991+33	LT					34				34			68
995+26	999+84	RT	208	52	1624				1624					812
995+26	999+84	LT			398	69	14		398	69	14			296
<b>TOTAL</b>			<b>712</b>	<b>178</b>	<b>7,383</b>	<b>410</b>	<b>165</b>	<b>192</b>	<b>7,383</b>	<b>410</b>	<b>165</b>	<b>90</b>	<b>90</b>	<b>4,433</b>

**SIGN**

STATION	OFFSET	TYPE	DESCRIPTION	SIZE			SIGN PANEL T1 SPL (SQ FT)	SIGN REMOVAL (EACH)	TELES STL SIN SUP SPL (FOOT)
				IN	X	IN			
990+45	LT	R2-1	35 MPH SPEED LIMIT	24	X	30	5	1	16
991+49	RT	R2-1	30 MPH SPEED LIMIT	24	X	30	5	1	16
985+28	LT/RT	R10-3e	PEDESTRIAN SIGNS	9	X	15	SEE NOTE 1		SEE NOTE 1
995+25	RT	R1-6a	PEDESTRIAN CROSSING- STOP	12	X	36	SEE NOTE 2		SEE NOTE 2
995+25	RT	W11-2	PEDESTRIAN CROSSING	36	X	36	SEE NOTE 2		SEE NOTE 2
995+25	RT	W16-7P	W16-7P	24	X	12	SEE NOTE 2		SEE NOTE 2
995+39	LT		MCT BUS STOP	12	X	18	2	1	15
995+47	RT		MCT BUS STOP	12	X	18	2	1	15
995+30	LT	R1-6a	PEDESTRIAN CROSSING- STOP	12	X	36	SEE NOTE 2		SEE NOTE 2
995+30	LT	W11-2	PEDESTRIAN CROSSING	36	X	36	SEE NOTE 2		SEE NOTE 2
995+30	LT	W16-7P	W16-7P	24	X	12	SEE NOTE 2		SEE NOTE 2
999+66	LT		CENTER LANE LEFT TURN ONLY	24	X	36	6	1	16
999+88	RT	R2-1	30 MPH SPEED LIMIT	24	X	30	5	1	16
<b>TOTAL</b>							<b>25</b>	<b>6</b>	<b>94</b>

**NOTES:**

- SIGN INCLUDED IN THE ACCESSIBLE PEDESTRIAN SIGNAL PAY ITEM AS PER BDE SPECIAL PROVISION.
- SIGN INCLUDED IN THE SOLAR POWERED FLASHING BEACON ASSEMBLY PAY ITEM.

MODEL: Default  
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



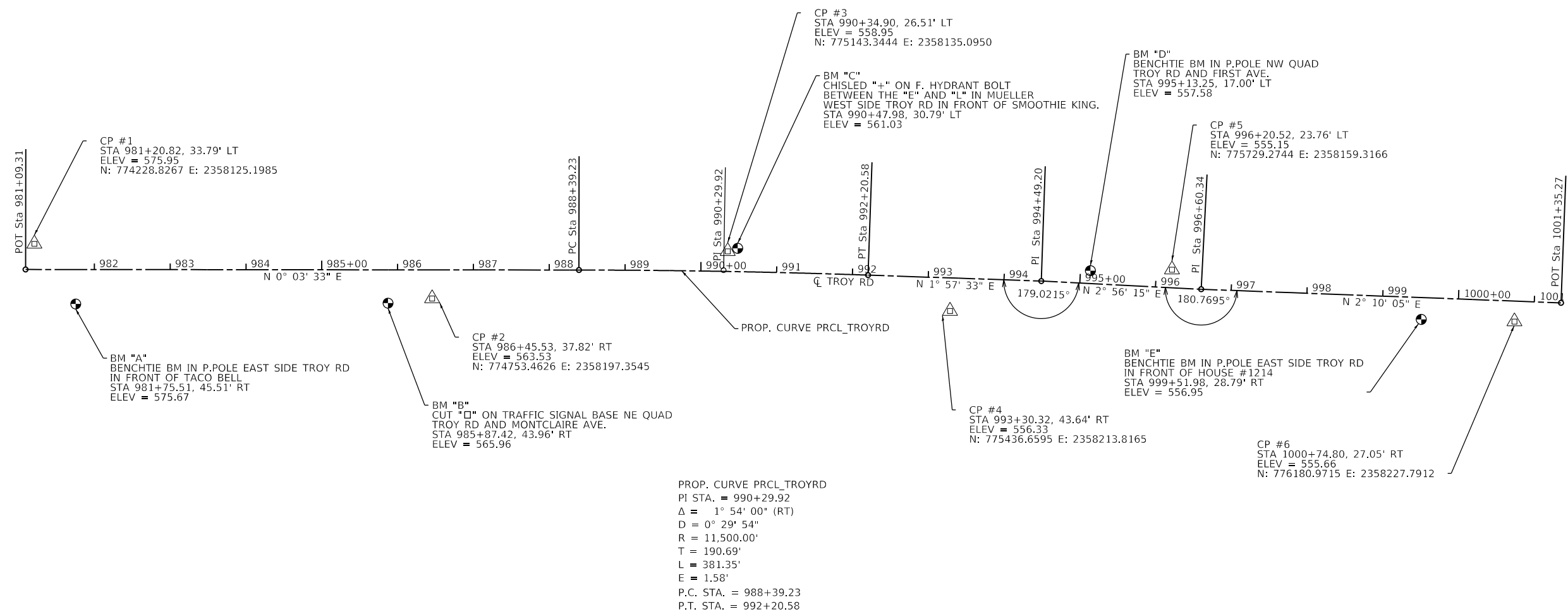
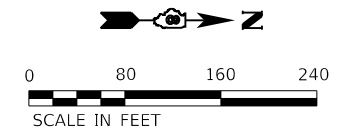
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PLOT DATE = 4/5/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-R5	MADISON	35	11
CONTRACT NO. 97838			ILLINOIS FED. AID PROJECT	



MODEL: Default  
 FILE NAME: I:\0222031 - Troy Rd (4th to Franklin)\CADD\Microstation\CADD\_Drawing\0222031-01t\_AlignBenchmark.dgn

DESCRIPTION	NORTHING	EASTING
PR TROY ROAD		
POT STA. 981+09.31	774,217.2860	2,358,158.9802
PC STA. 988+39.23	774,947.2045	2,358,159.7328
PI STA. 990+29.92	775,137.8984	2,358,159.9294
PT STA. 992+20.58	775,328.4809	2,358,166.4484
PI STA. 994+49.20	775,556.9653	2,358,174.2639
PI STA. 996+60.34	775,767.8246	2,358,185.0840
POT STA. 1001+35.27	776,242.4165	2,358,203.0509



USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
PLOT SCALE = 160.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/5/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT & BENCHMARK SHEET**  
 SCALE: 1" = 80'    SHEET 1 OF 1 SHEETS    STA. 981+09.31 TO STA. 1001+35.27

F.A.U. RTE. 8887	SECTION 20-00114-00-R5	COUNTY MADISON	TOTAL SHEETS 35	SHEET NO. 12
ILLINOIS			FED. AID PROJECT	



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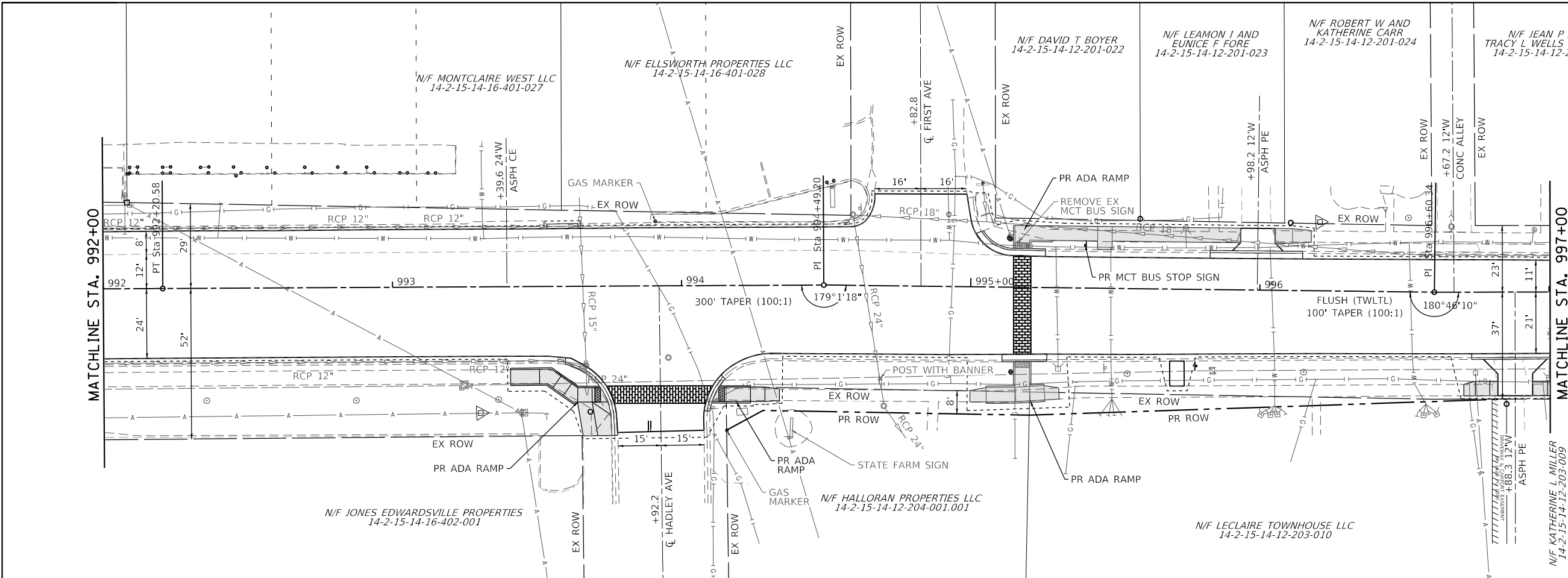
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

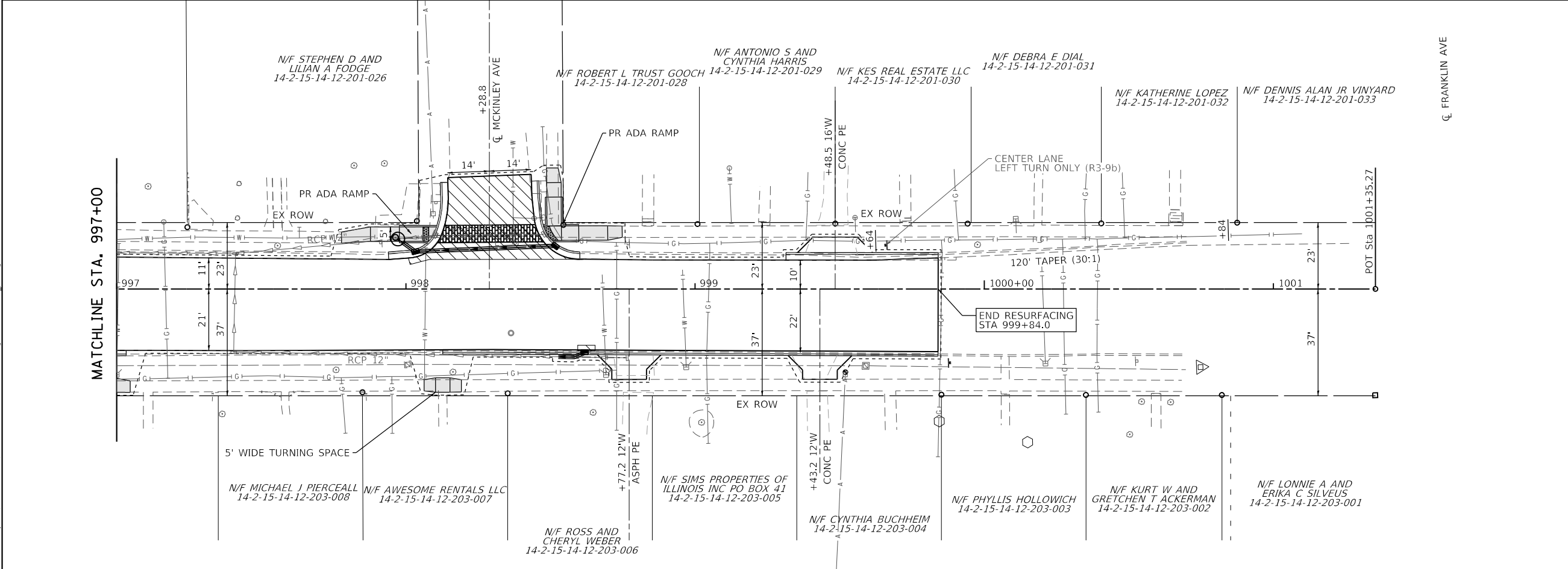
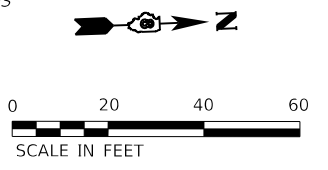
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 SHEET 2 OF 2 SHEETS  
 STA. 992+00 TO STA. 999+84.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-RS	MADISON	35	14
CONTRACT NO. 97838				
ILLINOIS FED. AID PROJECT				



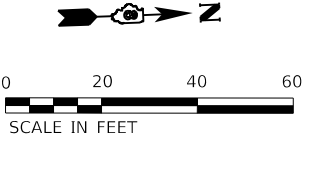
**PLAN SHEET LEGEND**

- PROPOSED HMA PAVEMENT (FULL DEPTH) (SEE DETAIL)
- PROPOSED PCC SIDEWALK
- PROPOSED STAMPED COLORED PCC PAVEMENT
- CONSTRUCTION LIMITS



**PLAN SHEET LEGEND**

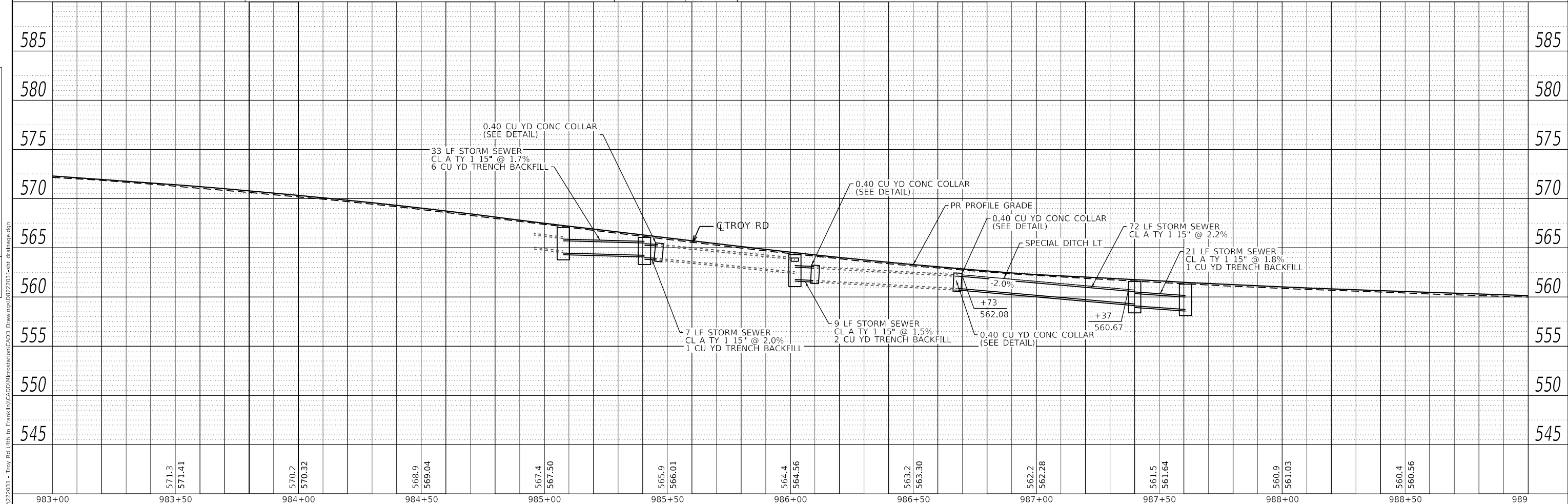
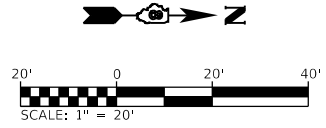
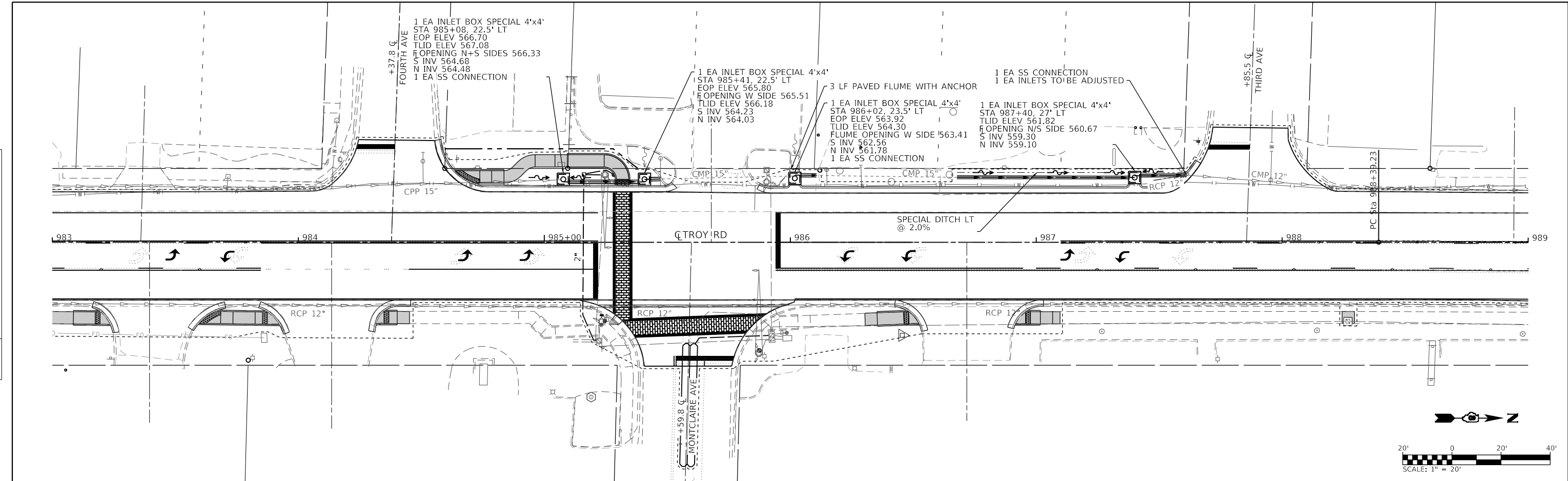
- PROPOSED HMA PAVEMENT (FULL DEPTH) (SEE DETAIL)
- PROPOSED PCC SIDEWALK
- PROPOSED STAMPED COLORED PCC PAVEMENT
- CONSTRUCTION LIMITS





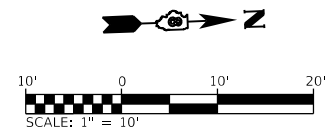
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	PLOTTED	BY
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	GRADES CHECKED	
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	NOTE BOOK NO.	
	CADD FILE NAME	

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	NOTE BOOK NO.	
	CADD FILE NAME	

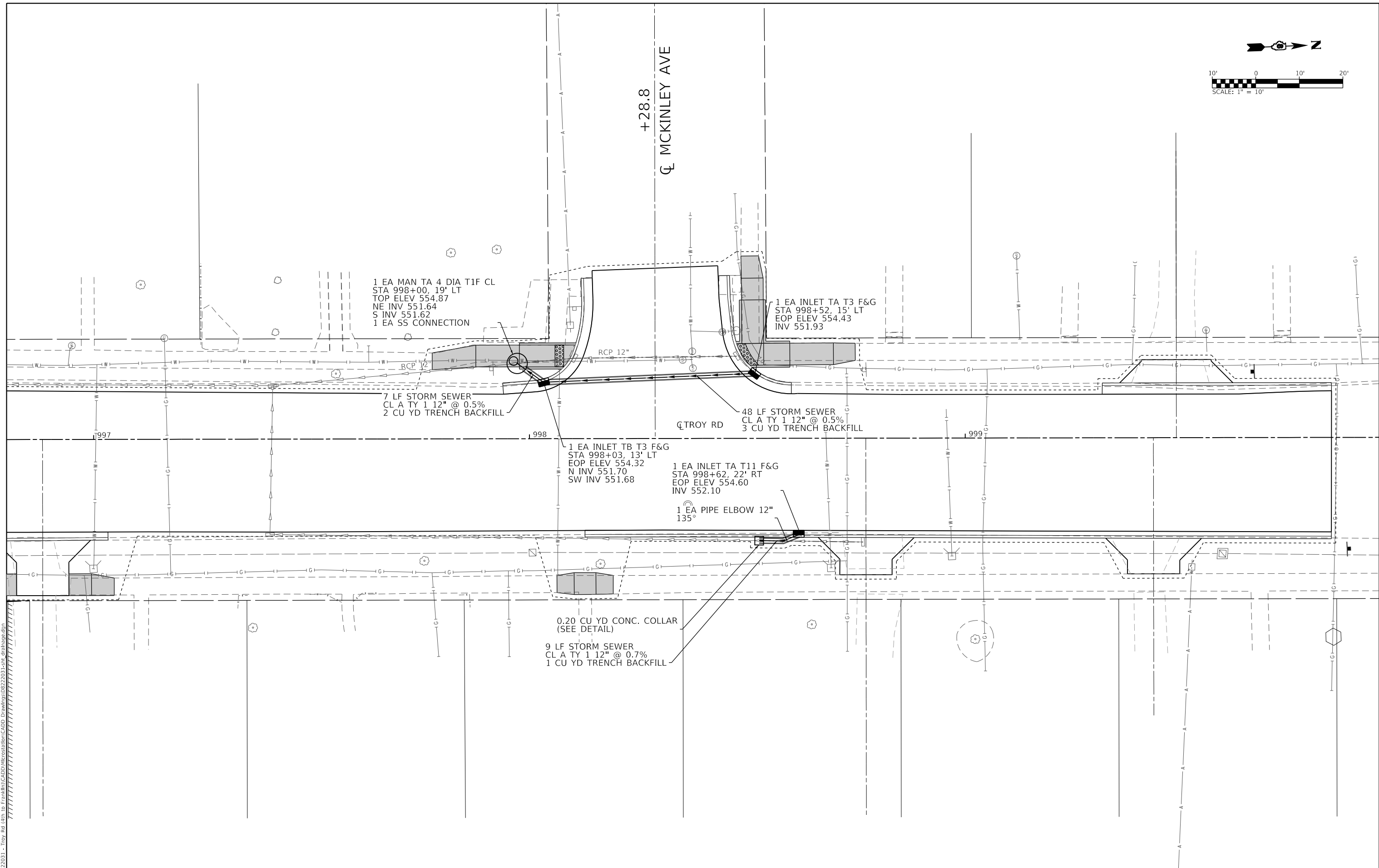


983+00	571.3 571.41	984+00	570.2 570.32	984+50	568.9 569.04	985+00	567.4 567.50	985+50	565.9 566.01	986+00	564.4 564.56	986+50	563.2 563.30	987+00	562.2 562.28	987+50	561.5 561.64	988+00	560.9 561.03	988+50	560.4 560.56	989	
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 OATES ASSOCIATES www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = bill.tindall DESIGNED - DRAWN - CHECKED - DATE -	REVISIONS REVISIONS REVISIONS REVISIONS	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>DRAINAGE SHEETS</b>		F.A.U. RTE. 8887 SECTION 20-00114-00-RS COUNTY MADISON CONTRACT NO. 97838	TOTAL SHEETS 35 SHEET NO. 15
	PLOT SCALE = 40.0000' / in. PLOT DATE = 4/8/2024	SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 983+00.00 TO STA. 989+00.00	ILLINOIS FED. AID PROJECT					



+28.8  
 CL MCKINLEY AVE



MODEL Dwg: 11/18/2023 - Troy Rd (4th to Franklin) CADD/Preparation CADD Drawings/08222031-ent.dwg  
 FILE NAME: 11/18/2023 - Troy Rd (4th to Franklin) CADD/Preparation CADD Drawings/08222031-ent.dwg

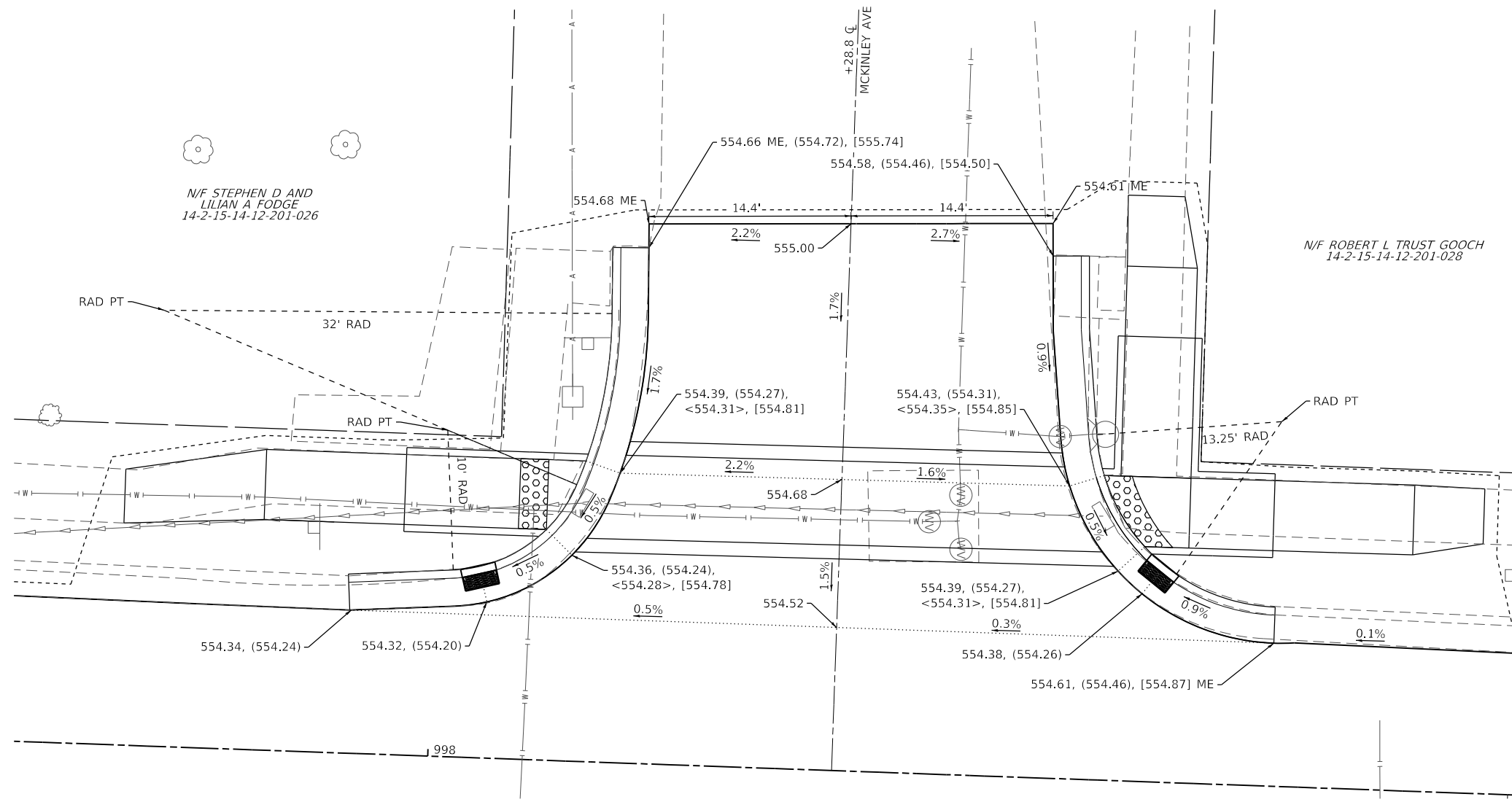
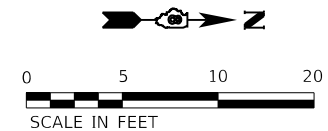


USER NAME = bill.tindall	DESIGNED -	REVISED -
PLOT SCALE = 20.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 4/8/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DRAINAGE SHEETS**  
 SCALE: 1" = 10'    SHEET 2    OF 2    SHEETS    STA. 997+50    TO STA. 999+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-RS	MADISON	35	16
CONTRACT NO. 97838				
ILLINOIS FED. AID PROJECT				



**DETAIL LEGEND**

- XXX.XX EDGE OF PAVEMENT
- (XXX.XX) FLOWLINE
- <XXX.XX> SIDEWALK
- [XXX.XX] TOP OF CURB
- ME MATCH EXISTING

MODEL: Toy and McKinley  
 FILE NAME: I:\0222021 - Toy Rd. (4th to Franklin)\CADD\Intersection\CADD\_Drawing\0222021-04b\_Intersection.dgn  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/5/2024	CHECKED -	REVISED -
	DATE -	REVISED -

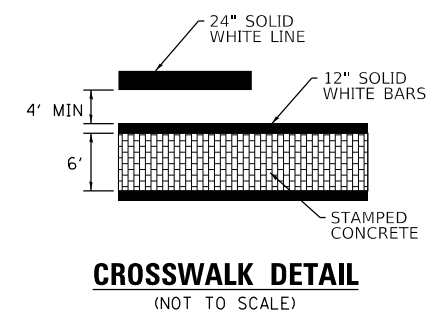
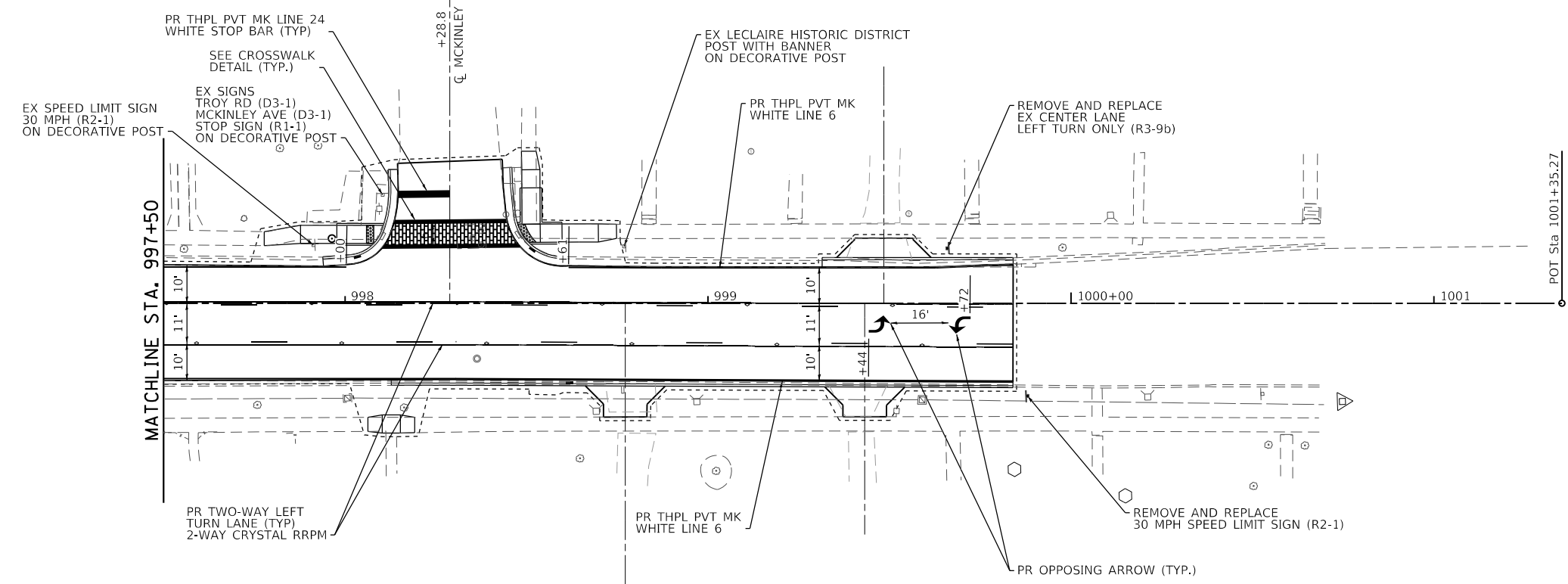
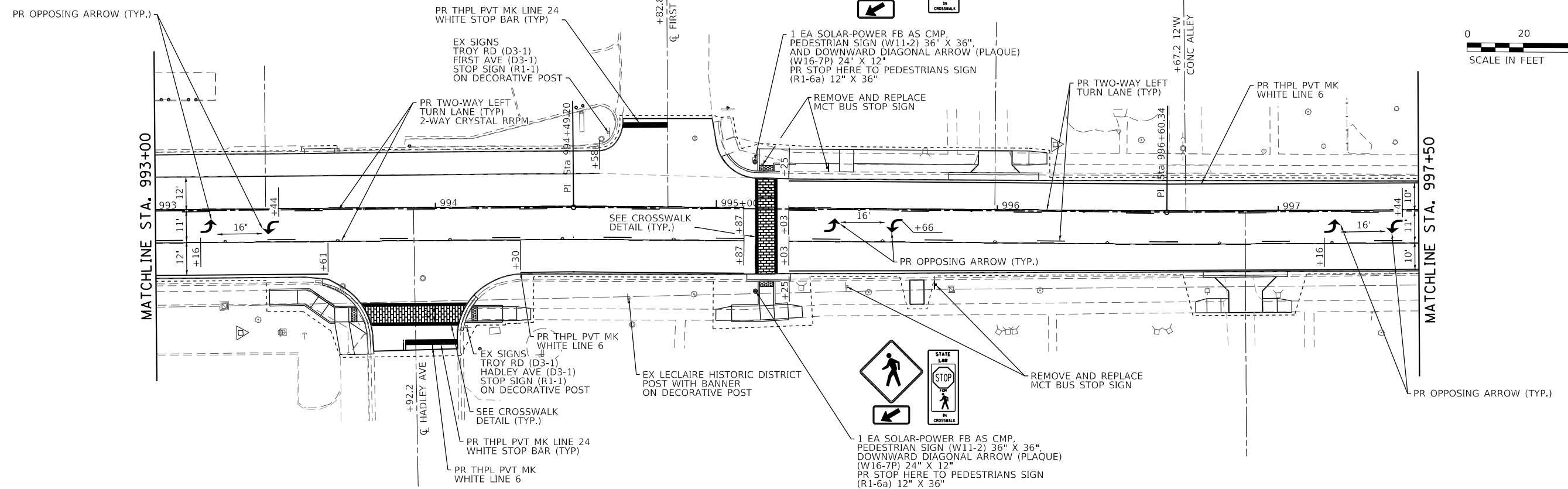
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MCKINLEY AVE  
INTERSECTION DETAIL**

SCALE: 1" = 5'    SHEET    OF    SHEETS    STA. 997+32.3    TO STA. 998+89.9

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-R5	MADISON	35	17
CONTRACT NO. 97838				
ILLINOIS FED. AID PROJECT				





MODEL SHEET 3 OF 4  
 FILE NAME: I:\R222031 - Troy Rd (4th to Franklin)\CADD\Microstation\CADD\_Drawing\08222031-01t\_pmk.dgn



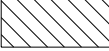
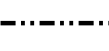
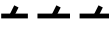


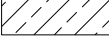
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PLOT SCALE = 40,0000 ' / in.	DRAWN -	REVISED -
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	DATE -	REVISED -

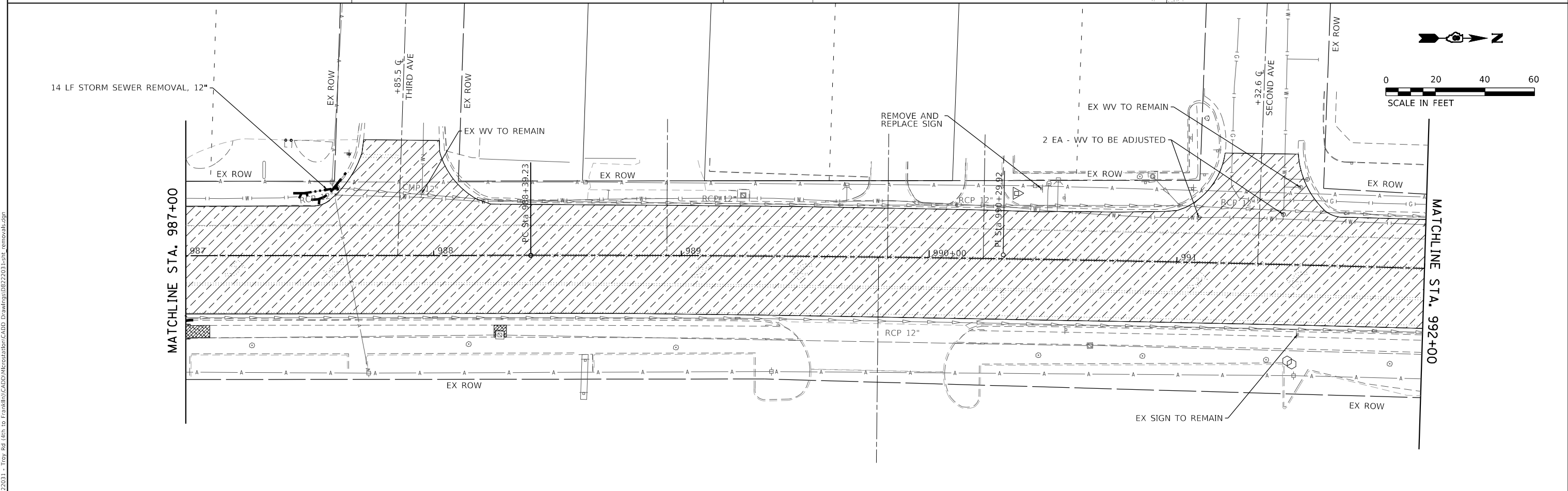
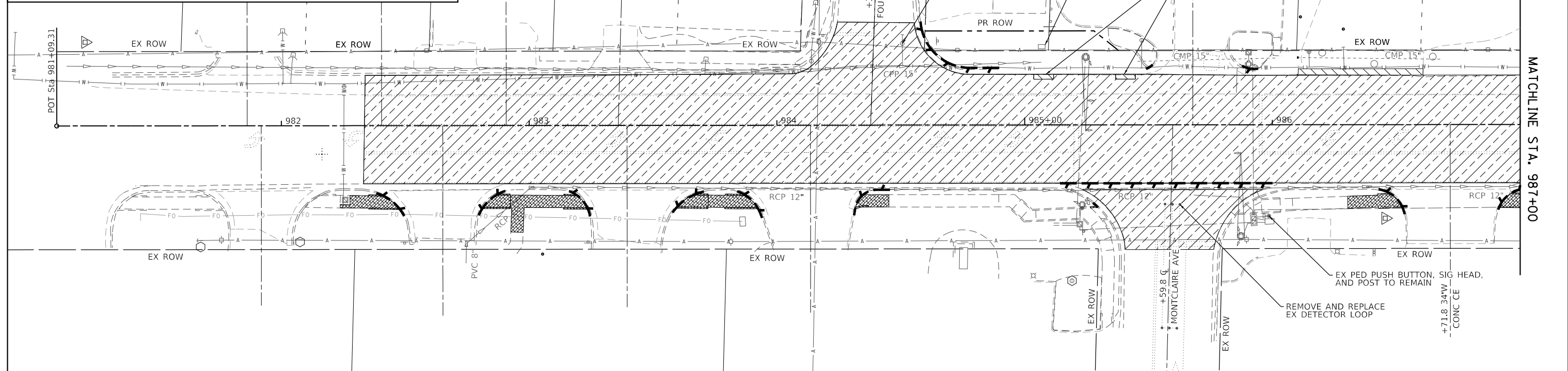
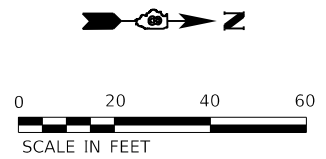
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNAGE SHEET**

SCALE: 1" = 20'    SHEET 2 OF 2 SHEETS    STA. 993+00 TO STA. 999+84.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-RS	MADISON	35	19
CONTRACT NO. 97838				
ILLINOIS FED. AID PROJECT				

	FULL DEPTH PAVEMENT REMOVAL		PIPE CULVERT / STORM SEWER REMOVAL
	CURB & GUTTER AND PAVED DITCH REMOVAL		DRIVEWAY REMOVAL
	SIDEWALK REMOVAL		HMA SURFACE REMOVAL, VARIABLE DEPTH



MODEL: Double Sheet 1 and 2  
 FILE NAME: I:\222021 - 103 Rd (4th to Franklin)\CADD\Information\CADD\_Drawing\08222031-103\_rmv\_082203.dgn



USER NAME = bill.tindall	DESIGNED -	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/8/2024	CHECKED -	REVISED -
	DATE -	REVISED -

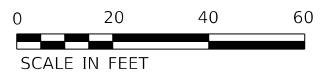
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**REMOVAL SHEET**

SCALE: 1" = 20'    SHEET 1 OF 2 SHEETS    STA. 902+33.5 TO STA. 992+00

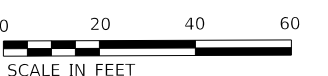
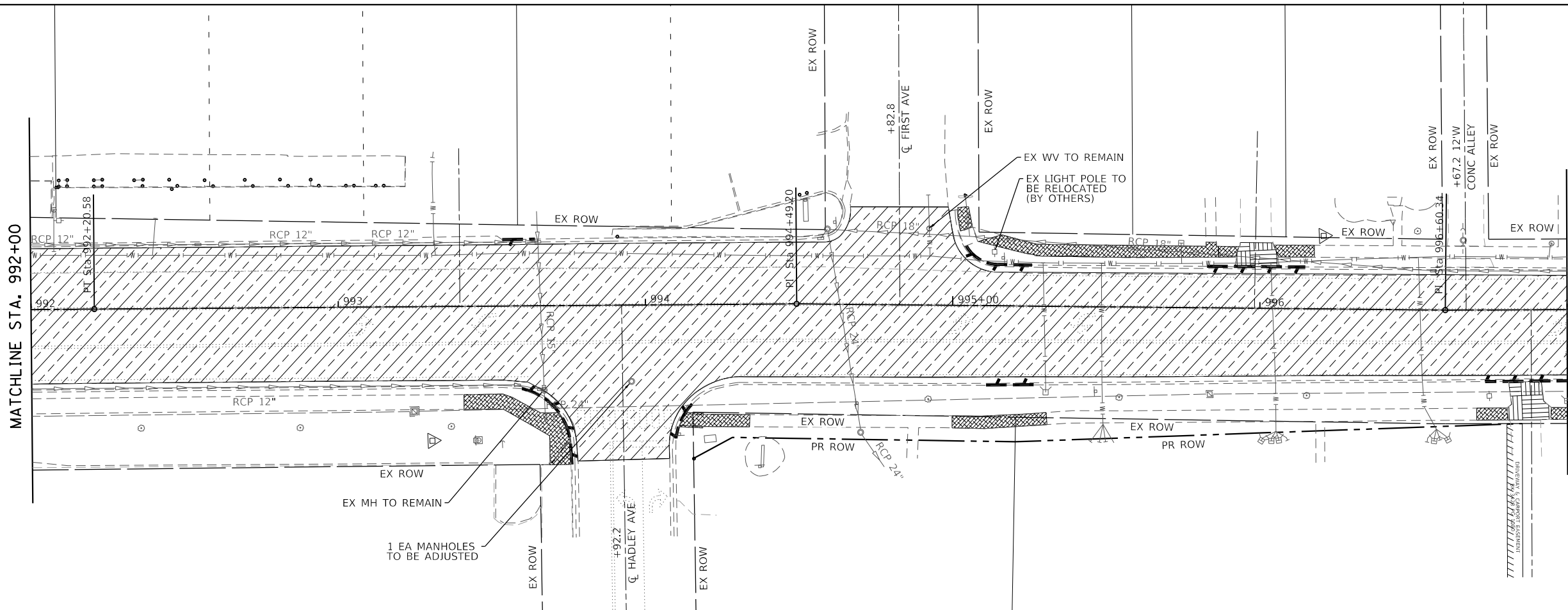
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-RS	MADISON	35	20
CONTRACT NO. 97838				
ILLINOIS FED. AID PROJECT				





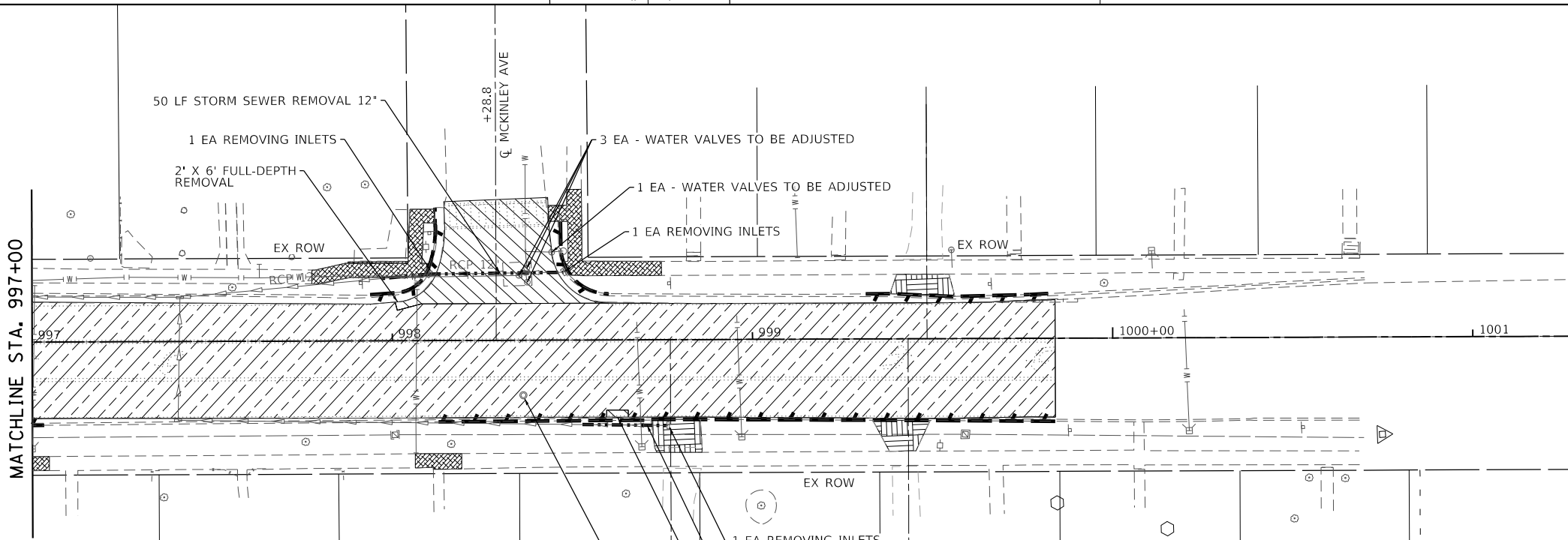
MATCHLINE STA. 992+00

MATCHLINE STA. 997+00



MATCHLINE STA. 997+00

POT Sta 1001+35.27



	PAVEMENT REMOVAL		PIPE CULVERT / STORM SEWER REMOVAL
	CURB & GUTTER AND PAVED DITCH REMOVAL		DRIVEWAY REMOVAL
	SIDEWALK REMOVAL		HMA SURFACE REMOVAL, VARIABLE DEPTH

MODEL: Double Sheet 3 and 4  
FILE NAME: I:\2222021 - 101 8d (4th to Franklin)\CADD\Interstation\CADD\_Drawing\08222031-shr\_remove.dgn



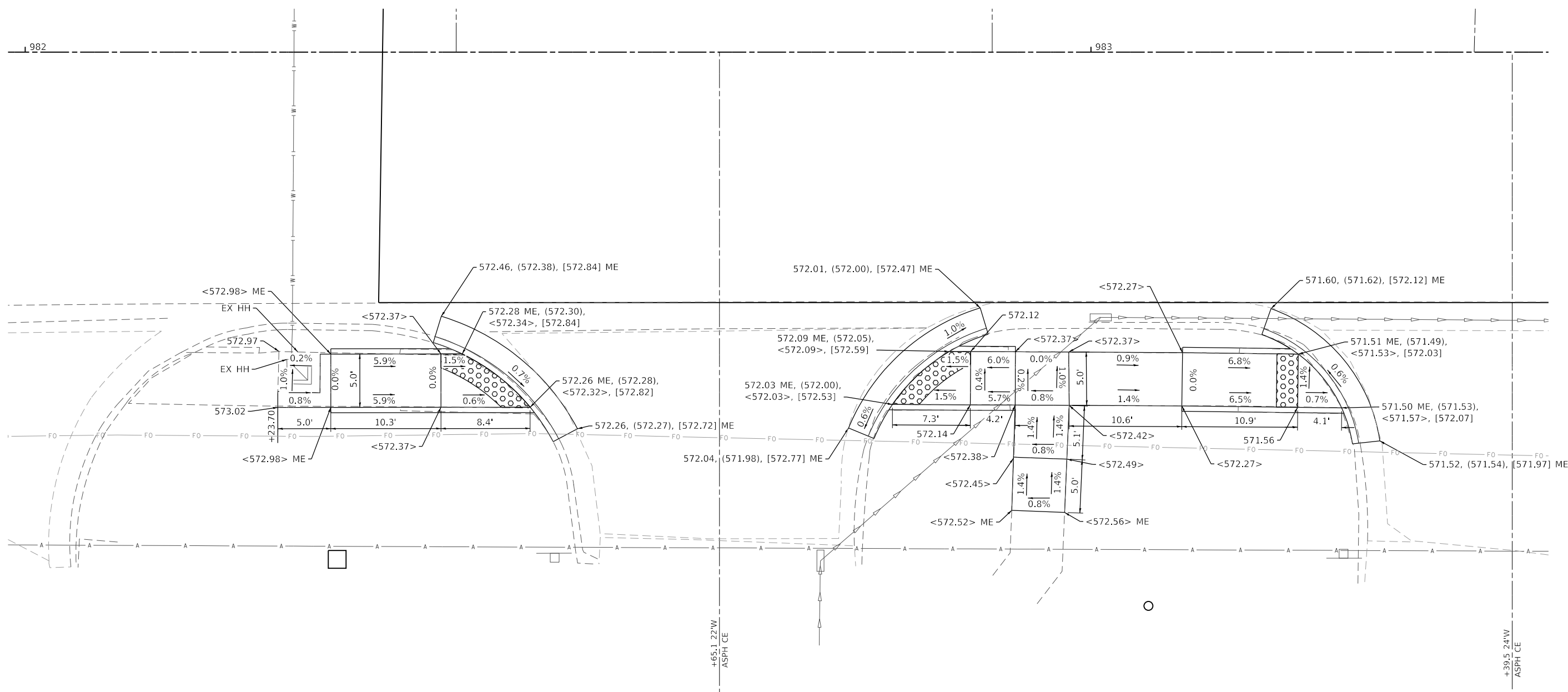
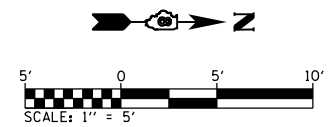
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PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/7/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REMOVAL SHEET

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 992+00 TO STA. 999+84.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-RS	MADISON	35	21
CONTRACT NO. 97838				
ILLINOIS FED. AID PROJECT				



**DETAIL LEGEND**

- XXX.XX EDGE OF PAVEMENT
- (XXX.XX) FLOWLINE
- <XXX.XX> SIDEWALK
- [XXX.XX] TOP OF CURB
- ME MATCH EXISTING

MODEL: SUE1  
FILE NAME: I:\R222031 - Troy Rd. (4th to Franklin)\CADD\Intersections\CADD\_Drawing\08222031-ent\_curb\_ramp.dgn



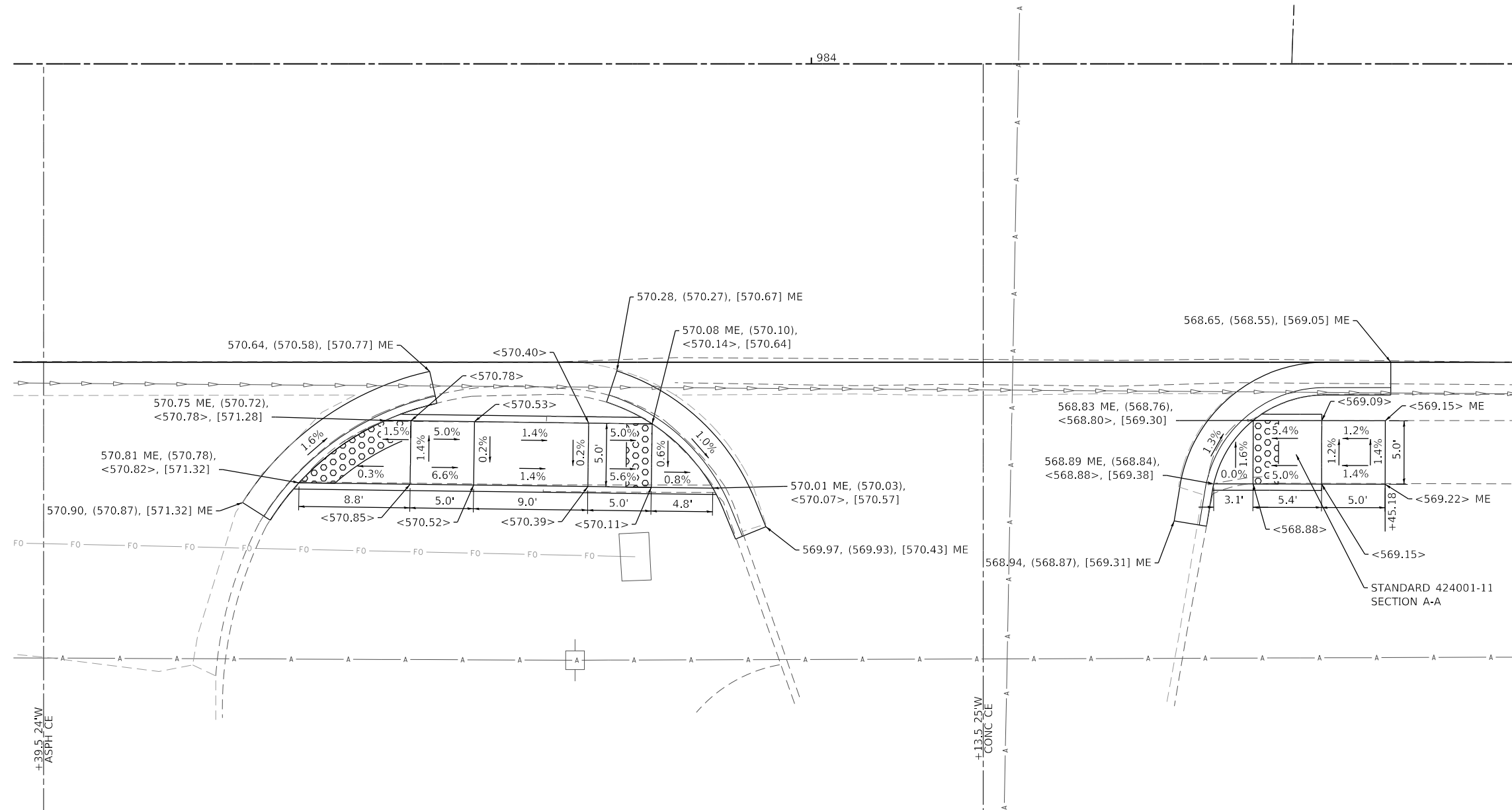
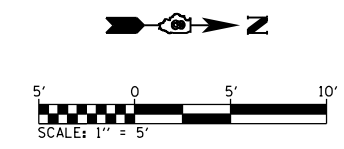
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PLOT DATE = 4/5/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS**

SCALE: 1" = 5'    SHEET 1    OF 7    SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-R5	MADISON	35	22
CONTRACT NO. 97838				
ILLINOIS FED. AID PROJECT				



**DETAIL LEGEND**

- XXX.XX      EDGE OF PAVEMENT
- (XXX.XX)    FLOWLINE
- <XXX.XX>    SIDEWALK
- [XXX.XX]    TOP OF CURB
- ME          MATCH EXISTING

MODEL: S:\P2  
 FILE NAME: I:\R222031 - Troy Rd (4th to Franklin)\CADD\Intersections\CADD Drawings\08222031-ent\_curb\_ramp.dgn



USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 4/5/2024	DATE -	REVISED -

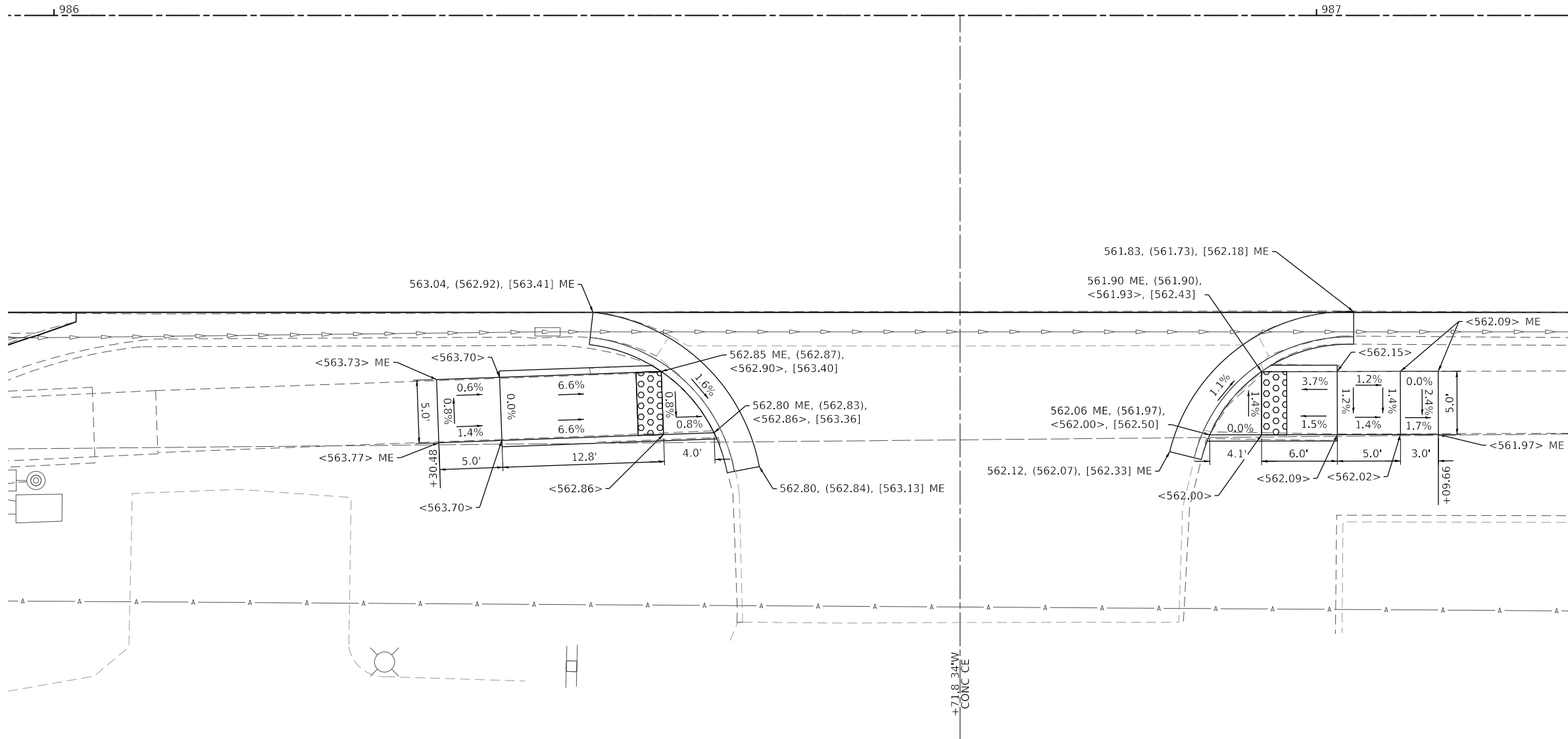
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS**

SCALE: 1" = 5'      SHEET 2      OF 7      SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-R5	MADISON	35	23
CONTRACT NO. 97838				
ILLINOIS FED. AID PROJECT				





**DETAIL LEGEND**

- XXX.XX EDGE OF PAVEMENT
- (XXX.XX) FLOWLINE
- <XXX.XX> SIDEWALK
- [XXX.XX] TOP OF CURB
- ME MATCH EXISTING

MODEL: SUT4  
 FILE NAME: I:\R222031 - Troy Rd (4th to Franklin)\CADD\Interstation\CADD\_Drawing\08222031-ent\_curb\_ramp.dgn



USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
PLOT SCALE = 10.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 4/5/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS**

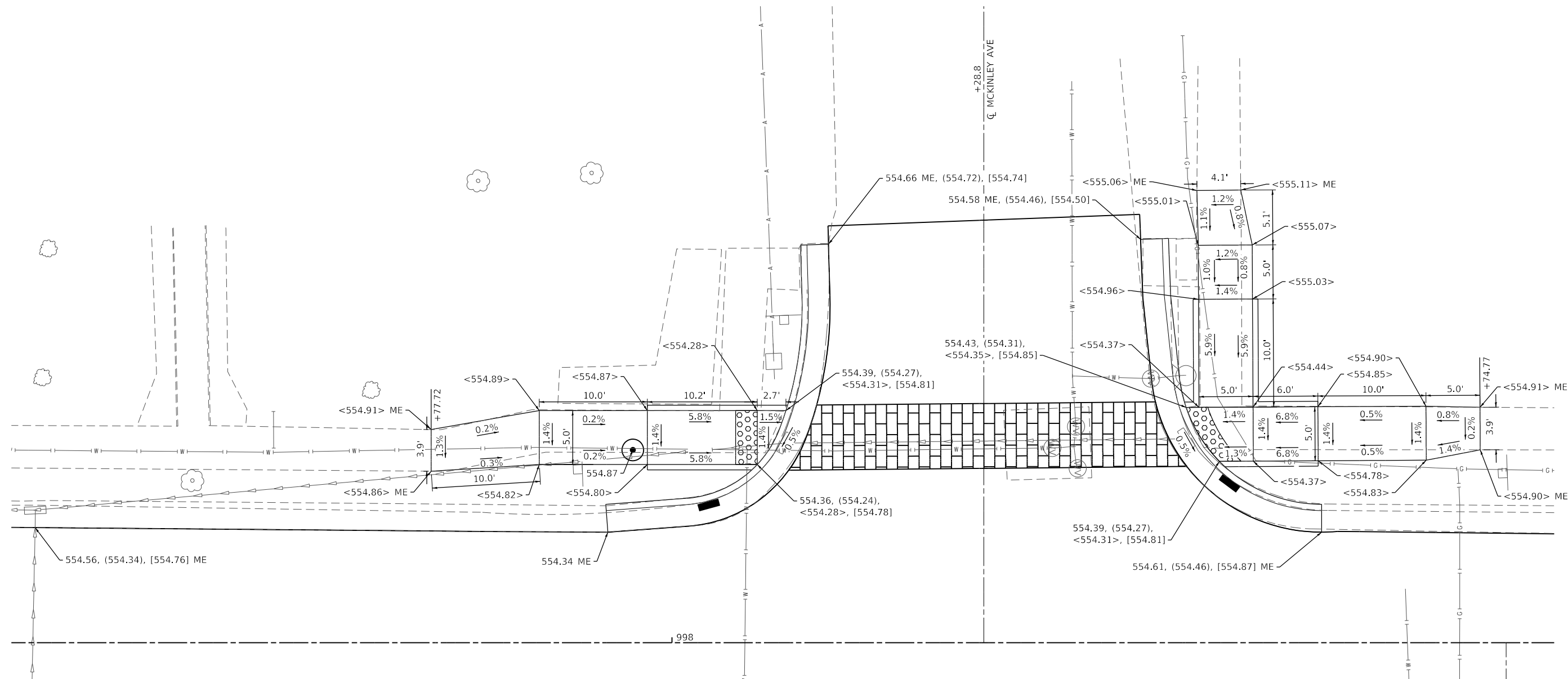
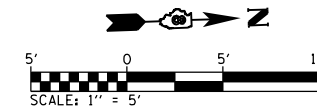
SCALE: 1" = 5'    SHEET 4 OF 7 SHEETS    STA.    XXX+XX.XX

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-R5	MADISON	35	25
CONTRACT NO. 97838				
		ILLINOIS	FED. AID PROJECT	









**DETAIL LEGEND**

- XXX.XX EDGE OF PAVEMENT
- (XXX.XX) FLOWLINE
- <XXX.XX> SIDEWALK
- [XXX.XX] TOP OF CURB
- ME MATCH EXISTING

MODEL: SUE7  
 FILE NAME: I:\R222031 - Troy Rd (4th to Franklin)\CADD\Intersections\CADD Drawings\08222031-ent\_curb\_ramp.dgn



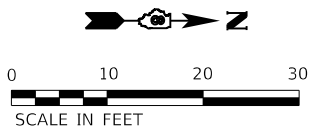
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PLOT DATE = 4/8/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS**

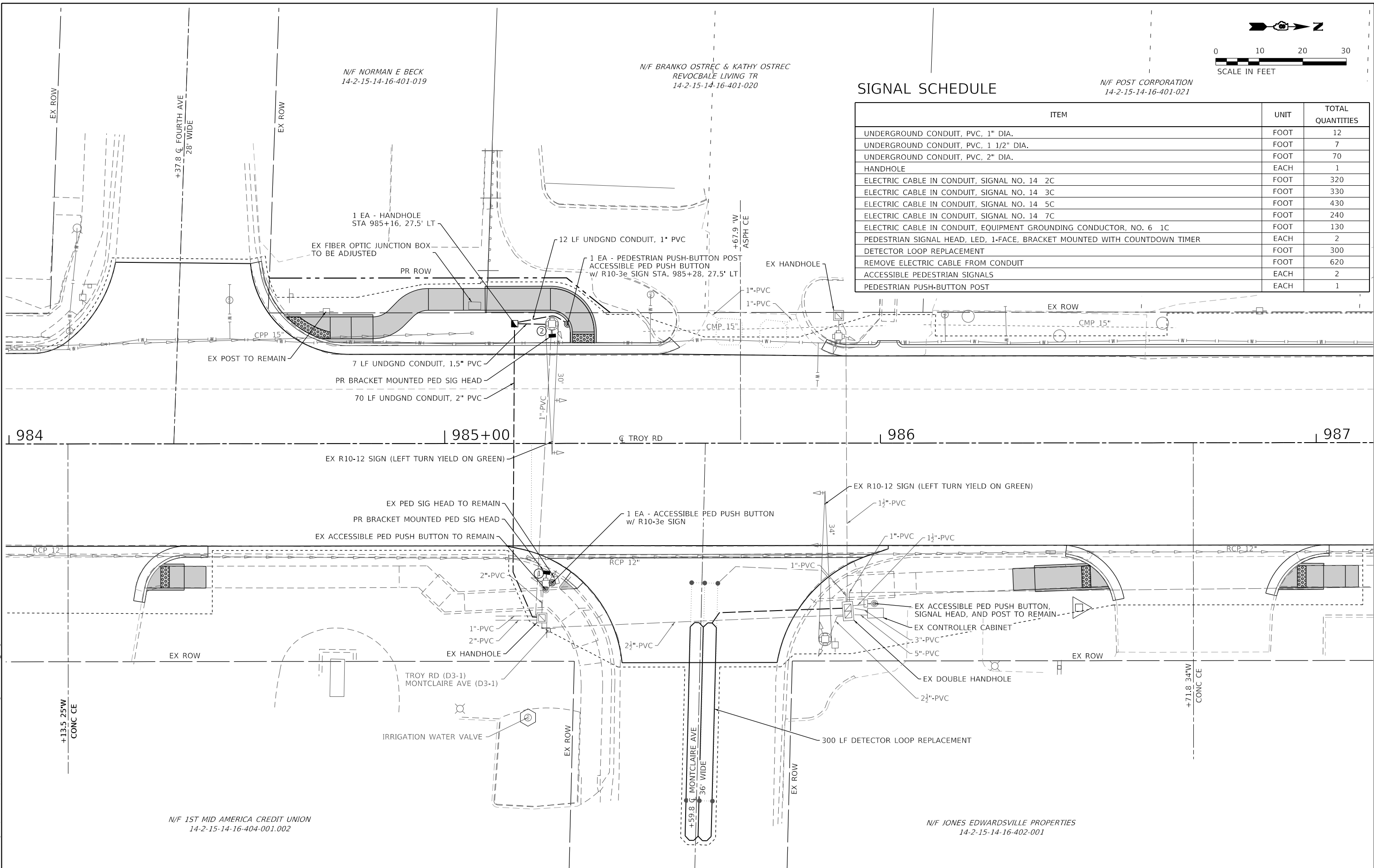
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-R5	MADISON	35	28
CONTRACT NO. 97838				
ILLINOIS FED. AID PROJECT				



### SIGNAL SCHEDULE

ITEM	UNIT	TOTAL QUANTITIES
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	12
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	7
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	70
HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	320
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	330
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	430
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	240
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	130
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
DETECTOR LOOP REPLACEMENT	FOOT	300
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	620
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
PEDESTRIAN PUSH-BUTTON POST	EACH	1



MODEL: Traffic Signal Sheet-1  
 FILE NAME: 14-2-15-14-16-401-021-101.dgn (4th to Franklin/CADD/Microstation/CADD\_Drawing/D8222031-01T\_15.dgn)



USER NAME = bill.tindall	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
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	DATE -	REVISED -

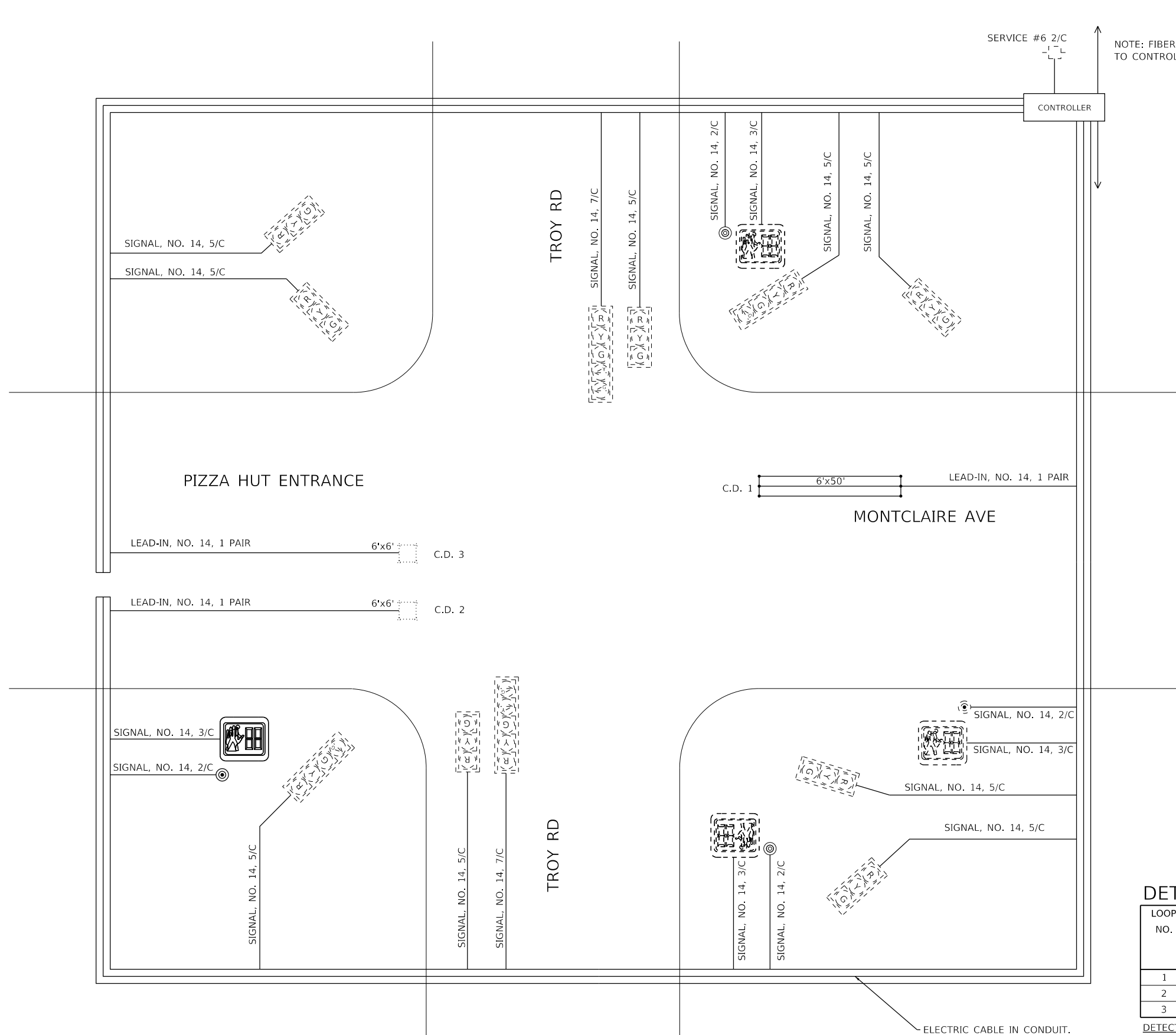
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TROY RD & MONTCLAIRE AVE**  
**TRAFFIC SIGNAL PLANS**

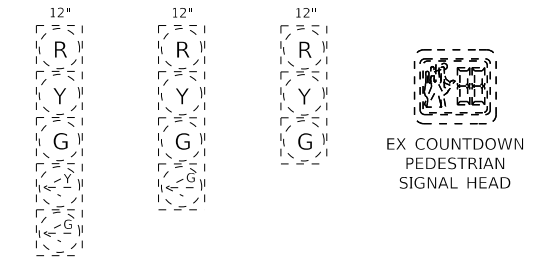
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F.A.U. RTE. 8887	SECTION 20-00114-00-R5	COUNTY MADISON	TOTAL SHEETS 35	SHEET NO. 29
CONTRACT NO. 97838				
ILLINOIS FED. AID PROJECT				

MODEL Traffic Signal Sheet2  
FILE NAME: 10222021 - Troy Rd (4th to Franklin) CADD/Modification/CADD\_Drawing/08222021-01-01-15.dgn



NOTE: FIBER OPTIC INTERCONNECT TO CONTROLLER NORTH AND SOUTH.



**EXISTING TRAFFIC SIGNAL FACES**



**PROPOSED PED SIGNAL FACES**

**CABLE DIAGRAM LEGEND**

- PROPOSED ELECTRIC CABLE IN CONDUIT
- S — PROPOSED CABLE SPLICE (SEE ELECTRICAL GENERAL NOTES)
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- C.D. CALL DELAY (SEE ELECTRICAL GENERAL NOTES)
- C.C.O. CALL CARRY OVER (SEE ELECTRICAL GENERAL NOTES)
- NO. 6 INDICATES AMERICAN WIRE (AWG) SIZE 6
- #6 LOOP DETECTOR NUMBER
- ⊙ PROPOSED PEDESTRIAN PUSH BUTTON
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT
- - - S - - - EXISTING CABLE SPLICE (SEE ELECTRICAL GENERAL NOTES)
- ⊙ EXISTING PEDESTRIAN PUSH BUTTON
- - - - - EXISTING SERVICE INSTALLATION

**DETECTOR LOOP REQUIREMENTS & CALCULATIONS**

LOOP NO.	LOCATION	PHASE	LOOP SIZE (FOOT)	REQUIRED NO. OF TURNS	LEAD-IN LENGTH (FOOT)	CALCULATED INDUCTANCE (NOTE 1) (MICROHENRIES)	CALCULATED RESISTANCE (NOTE 1) (OHMS)
1	WB-LT-CD	7	6' X 50'	3-6-3	138	817.7	2.4
2	EB-RT/THRU-CD	3	6' X 6'				
3	EB-LT-CD	3	6' X 6'				

**DETECTOR LOOP NOTES:**

1. THE CALCULATED VALUES SHOWN ABOVE ARE FOR COMBINED LOOP + LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

**PROPOSED TRAFFIC SIGNAL PHASING**

NOTE: NO CHANGE IN SIGNAL PHASING IS ANTICIPATED FOR MAINLINE TRAFFIC. PEDESTRIAN PHASING NEEDS ADJUSTMENT.

ELECTRIC CABLE IN CONDUIT. GROUNDING, NO. 6 1/C



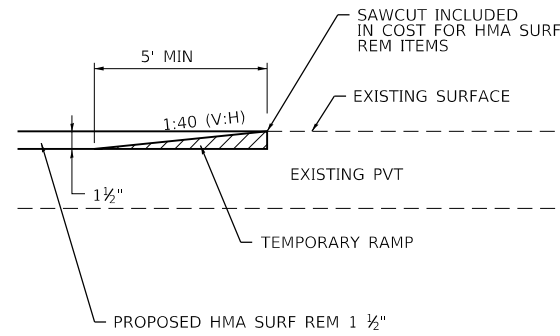
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

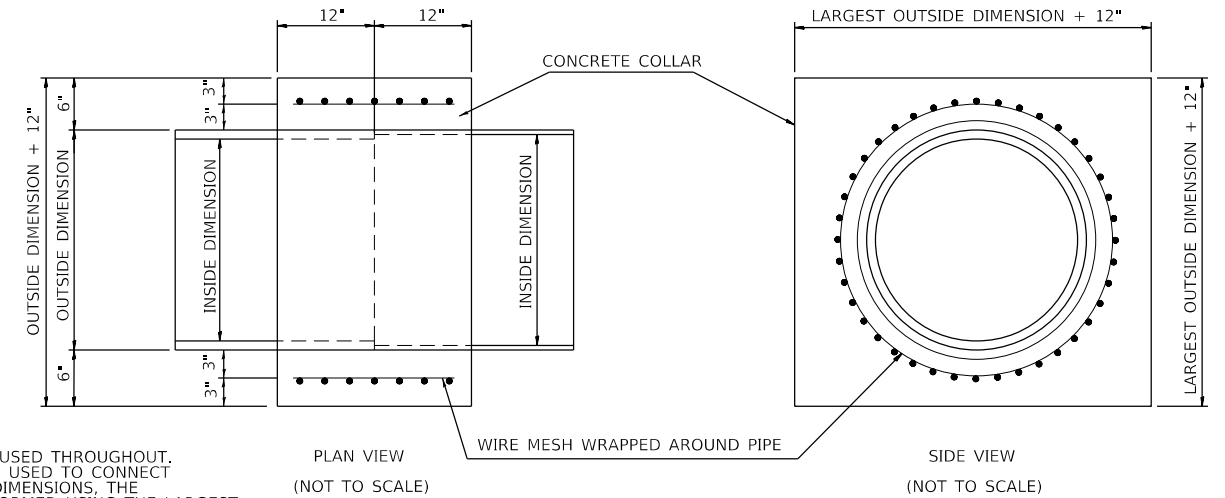
**TROY RD & MONTCLAIRE AVE  
TRAFFIC SIGNAL PLANS**

NTS SHEET 2 OF 2 SHEETS STA. 983+99.0 TO STA. 987+13.0

F.A.U. RTE. 8887	SECTION 20-00114-00-R5	COUNTY MADISON	TOTAL SHEETS 35	SHEET NO. 30
			CONTRACT NO. 97838	
		ILLINOIS FED. AID PROJECT		

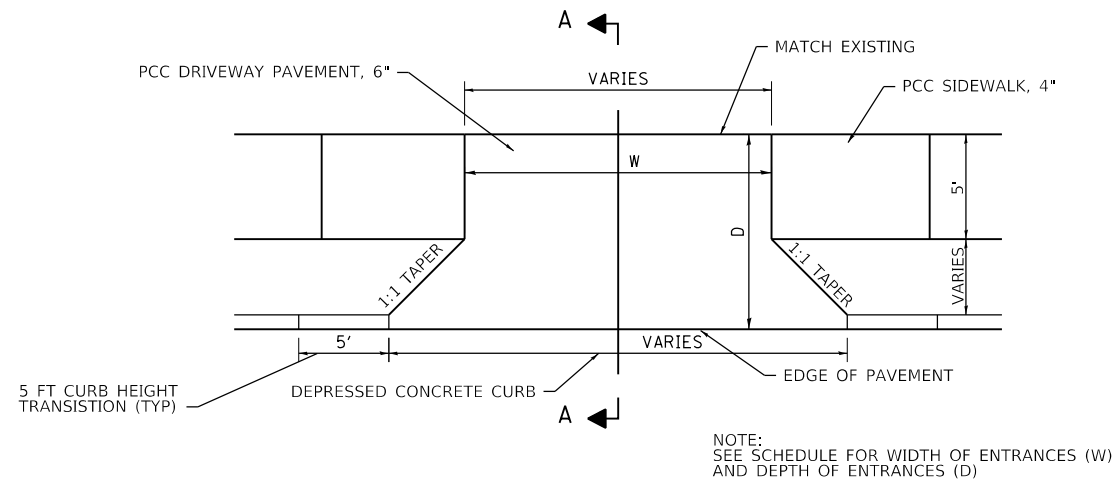


**TEMPORARY RAMP DETAIL**  
(NOT TO SCALE)

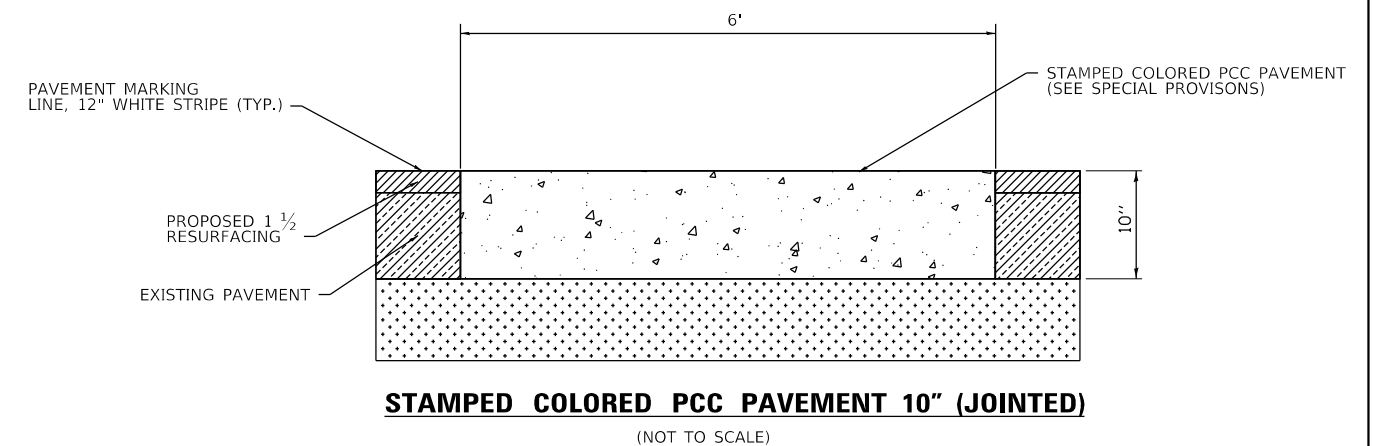


- CONCRETE COLLAR NOTES:
1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
  2. WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIMENSIONS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIMENSION. (SEE END VIEW)
  3. WIRE MESH AS SHOWN IN DETAIL SHALL BE INCLUDED IN THE UNIT PRICE FOR CONCRETE COLLAR.

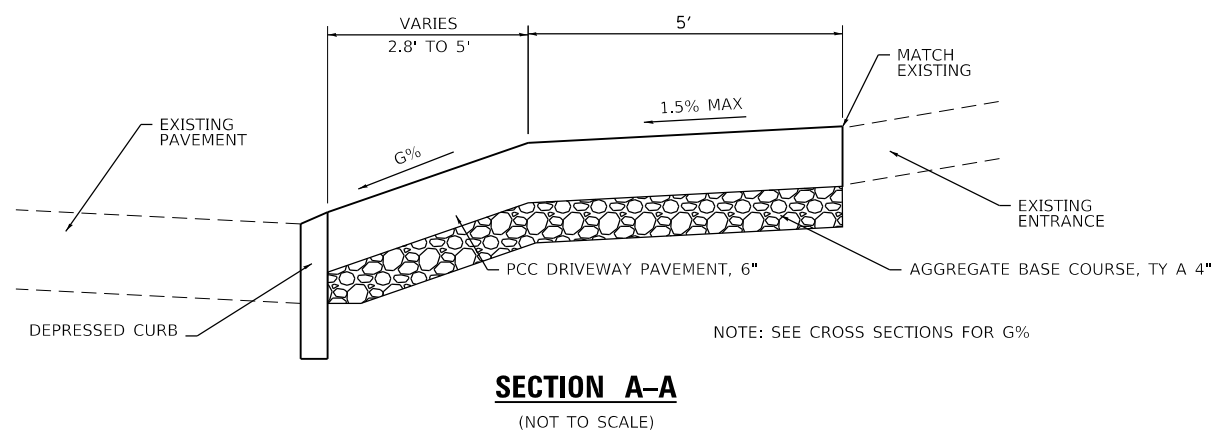
**CONCRETE COLLAR DETAIL**  
(NOT TO SCALE)



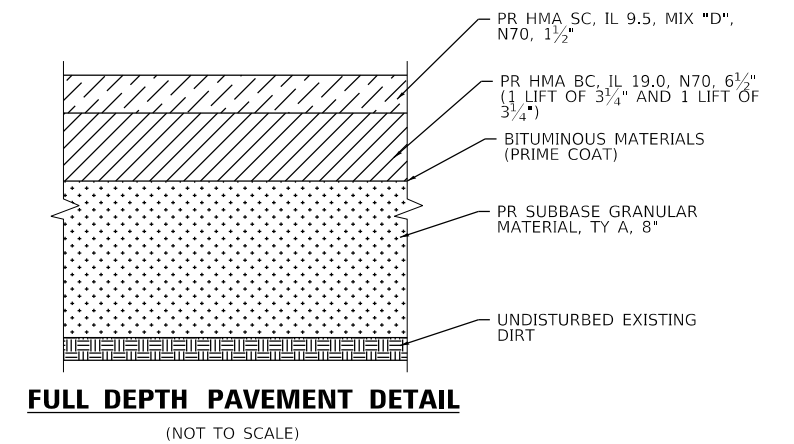
**TYPICAL ENTRANCE DETAIL WITH TRANSITION PANEL**  
(NOT TO SCALE)



**STAMPED COLORED PCC PAVEMENT 10" (JOINTED)**  
(NOT TO SCALE)



**SECTION A-A**  
(NOT TO SCALE)



**FULL DEPTH PAVEMENT DETAIL**  
(NOT TO SCALE)

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 PLOT DATE = 4/10/2024

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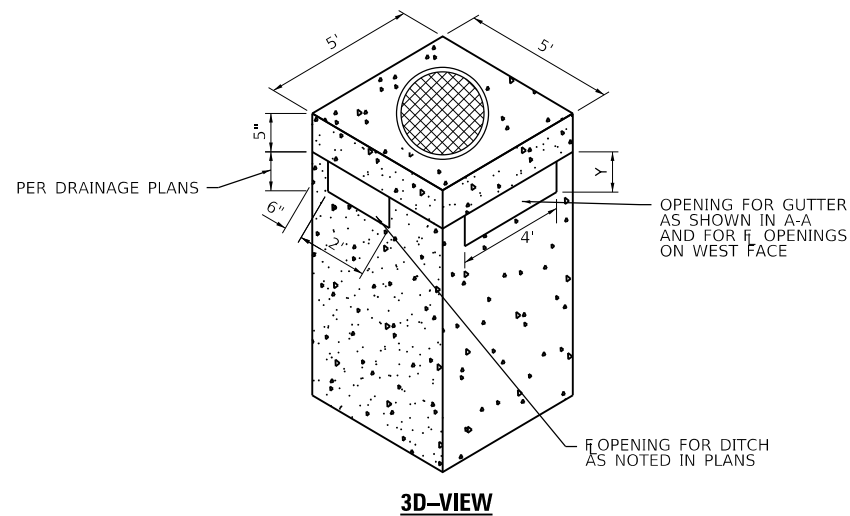
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 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. N/A TO STA. N/A

CONSTRUCTION DETAILS

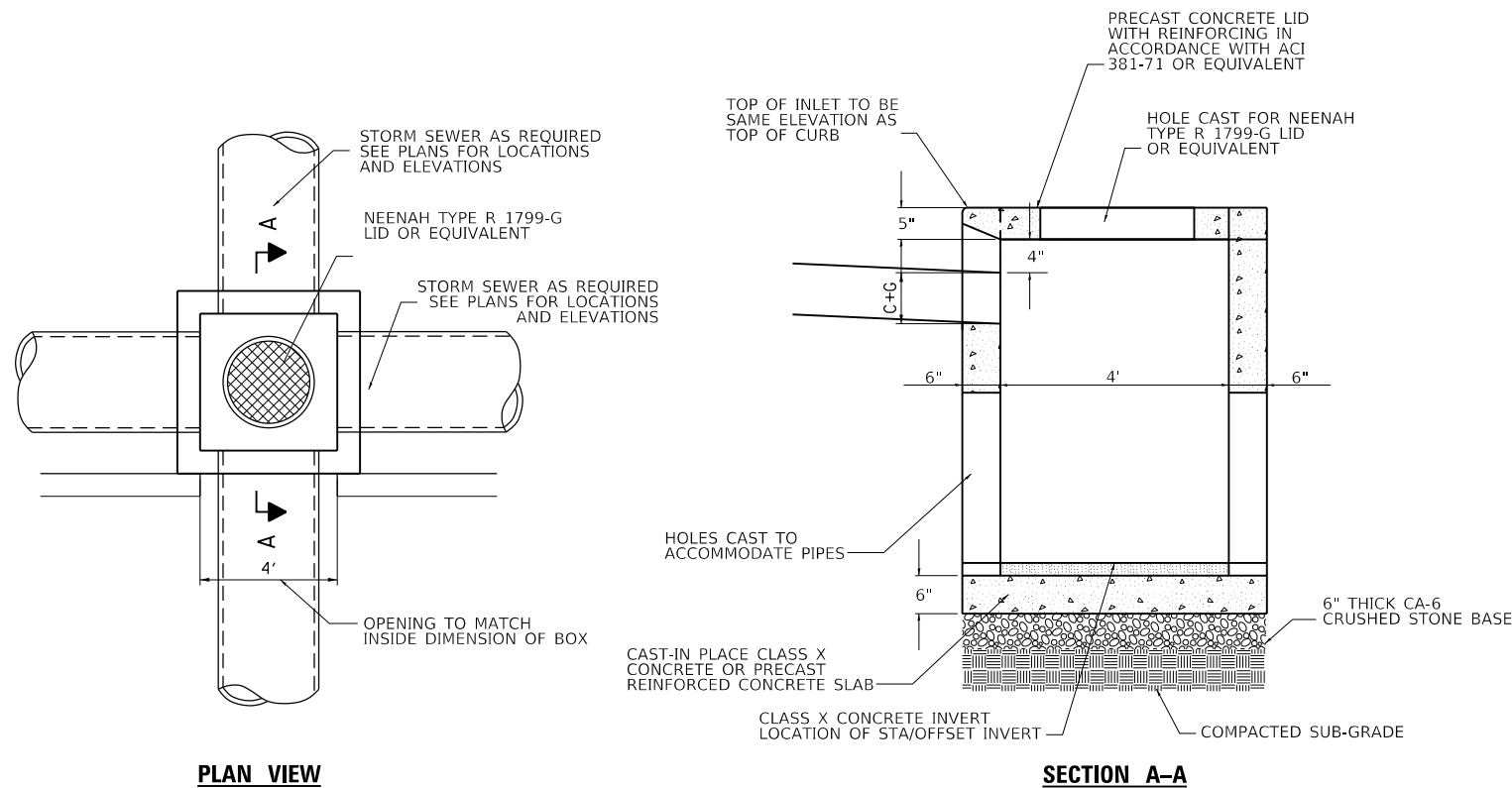
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-R5	MADISON	35	31
TROY ROAD RESURFACING			CONTRACT NO. 97838	
ILLINOIS FED. AID PROJECT				



**3D-VIEW**

NOTE:

1. Y DIMENSION AS SHOWN IN PLANS.
2. F OPENING WHEN ON NORTH OR SOUTH FACE TO BE OFFSET AWAY FROM ROADWAY FACE, AS DIMENSIONED ABOVE.

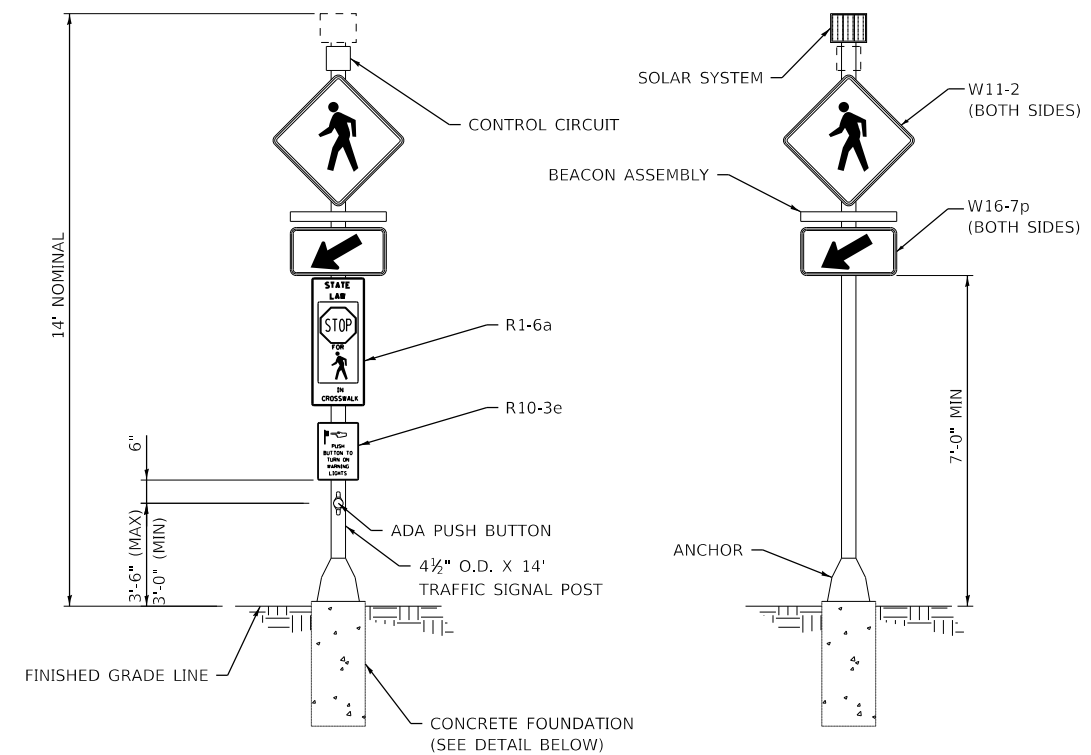


**PLAN VIEW**

**SECTION A-A**

**INLET BOX, SPECIAL**

(NOT TO SCALE)



**FRONT VIEW**

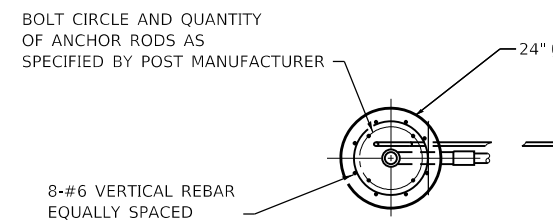
(NOT TO SCALE)

**BACK VIEW**

(NOT TO SCALE)

**SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)**

(NOT TO SCALE)

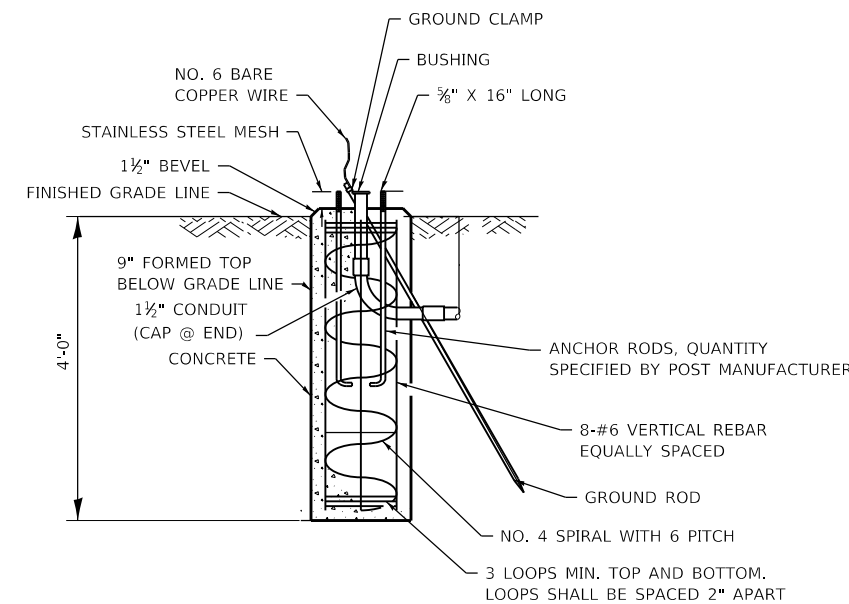


**TOP VIEW**

(NOT TO SCALE)

NOTES:

1. SEE SPECIAL PROVISION FOR SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE).
2. POST AND FOUNDATION SHALL BE ACCORDING TO ARTICLE 1077.01 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
3. FOUNDATIONS SHALL BE PLACED ADJACENT TO THE EDGE OF SIDEWALK AT THE STATIONS INDICATED ON THE PLANS.



**CONCRETE FOUNDATION**

(NOT TO SCALE)

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PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 4/5/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS**

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. N/A TO STA. N/A

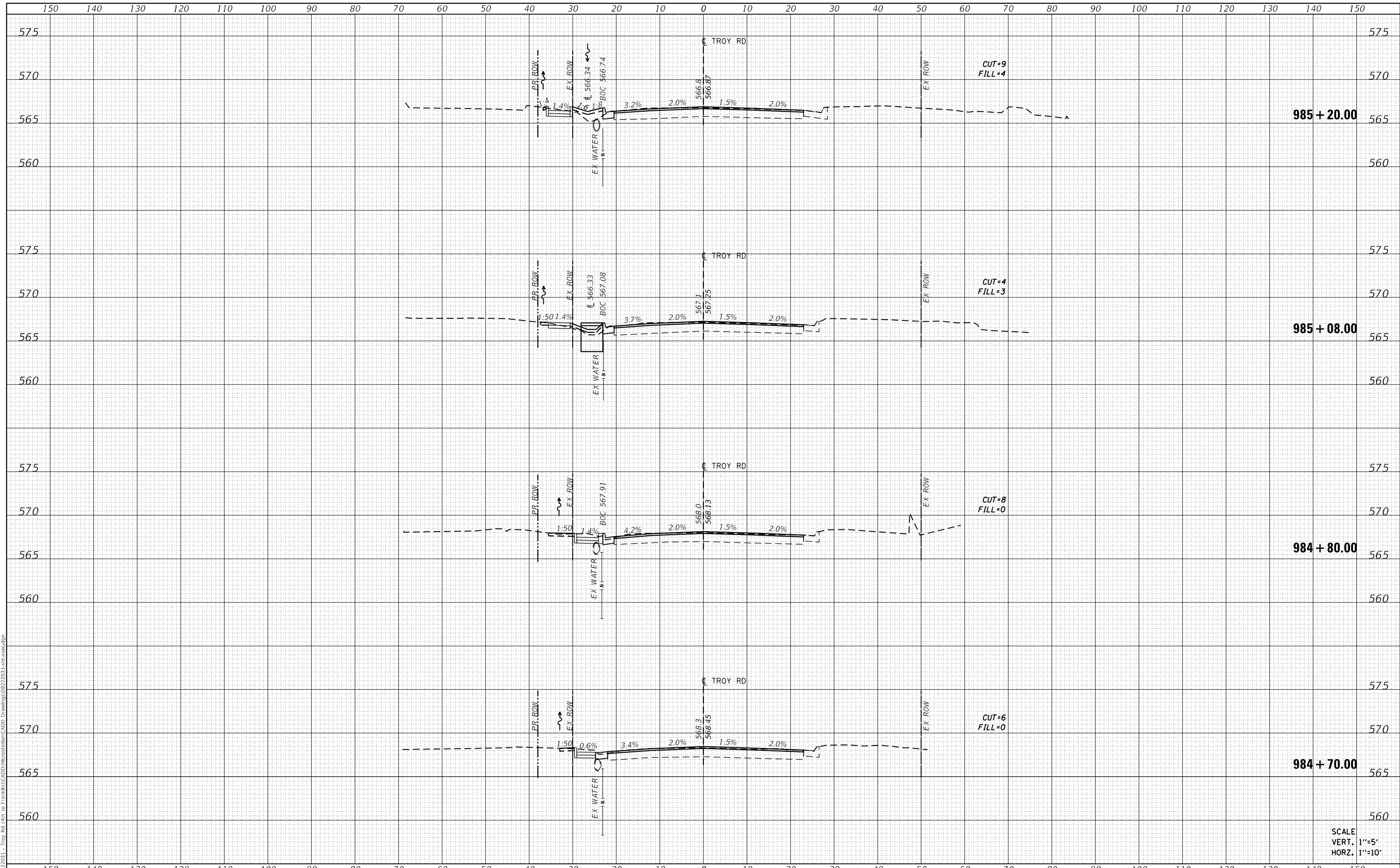
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-R5	MADISON	35	32
TROY ROAD RESURFACING			CONTRACT NO. 97838	
ILLINOIS FED. AID PROJECT				



FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

MODEL: Definit  
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SCALE  
 VERT. 1"=5'  
 HORIZ. 1"=10'



USER NAME = roshan.pokhrel	DESIGNED -	REVISD -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISD -
PLOT DATE = 4/5/2024	CHECKED -	REVISD -
	DATE -	REVISD -

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTION SHEETS

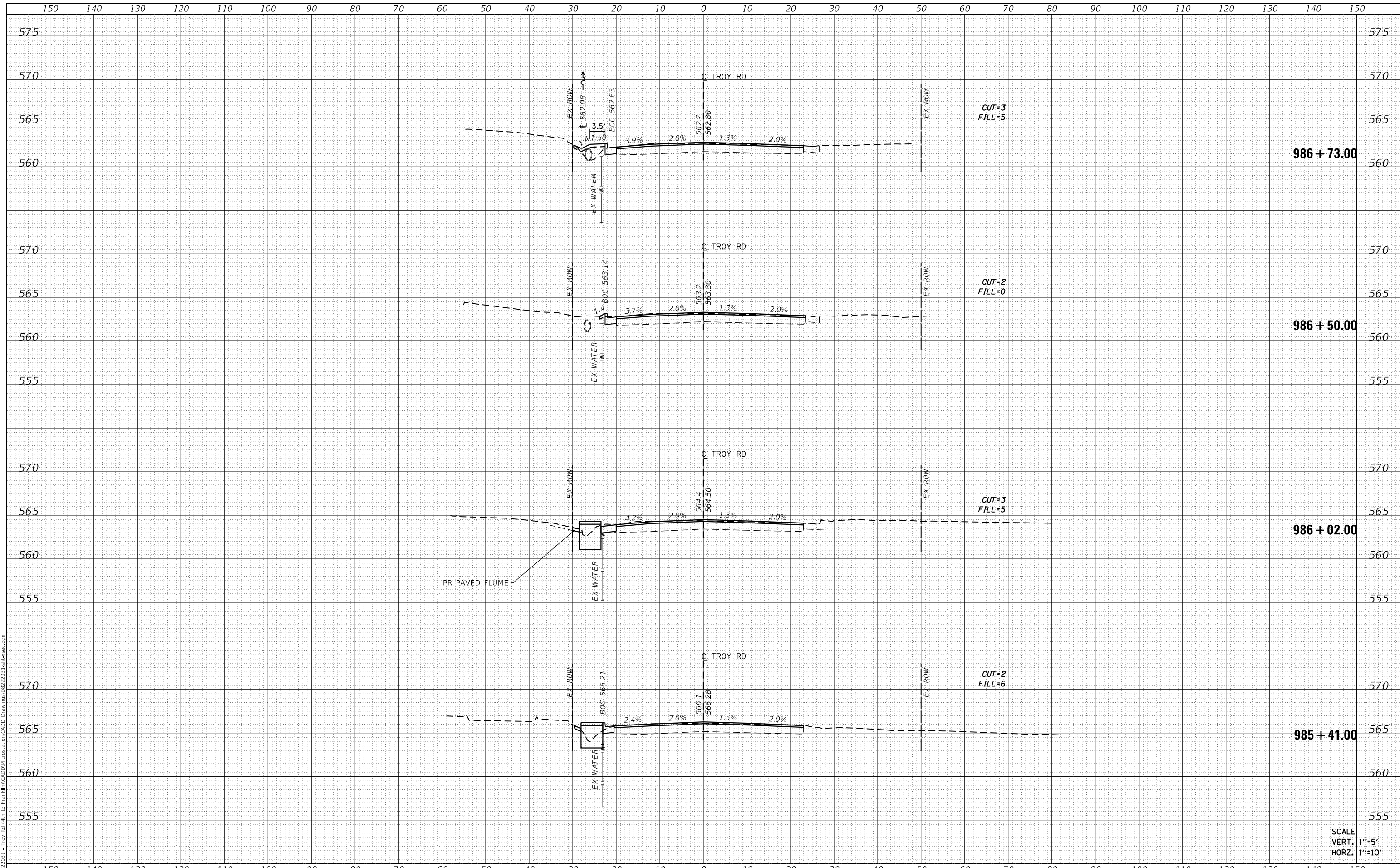
SCALE: SHEET 1 OF 3 SHEETS STA. 984+70.00 TO STA. 985+20.00

F.A.U. RTE. 8887	SECTION 20-00114-00-R5	COUNTY MADISON	TOTAL SHEETS 35	SHEET NO. 33
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97838	

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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SCALE  
 VERT. 1"=5'  
 HORIZ. 1"=10'



USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/5/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTION SHEETS

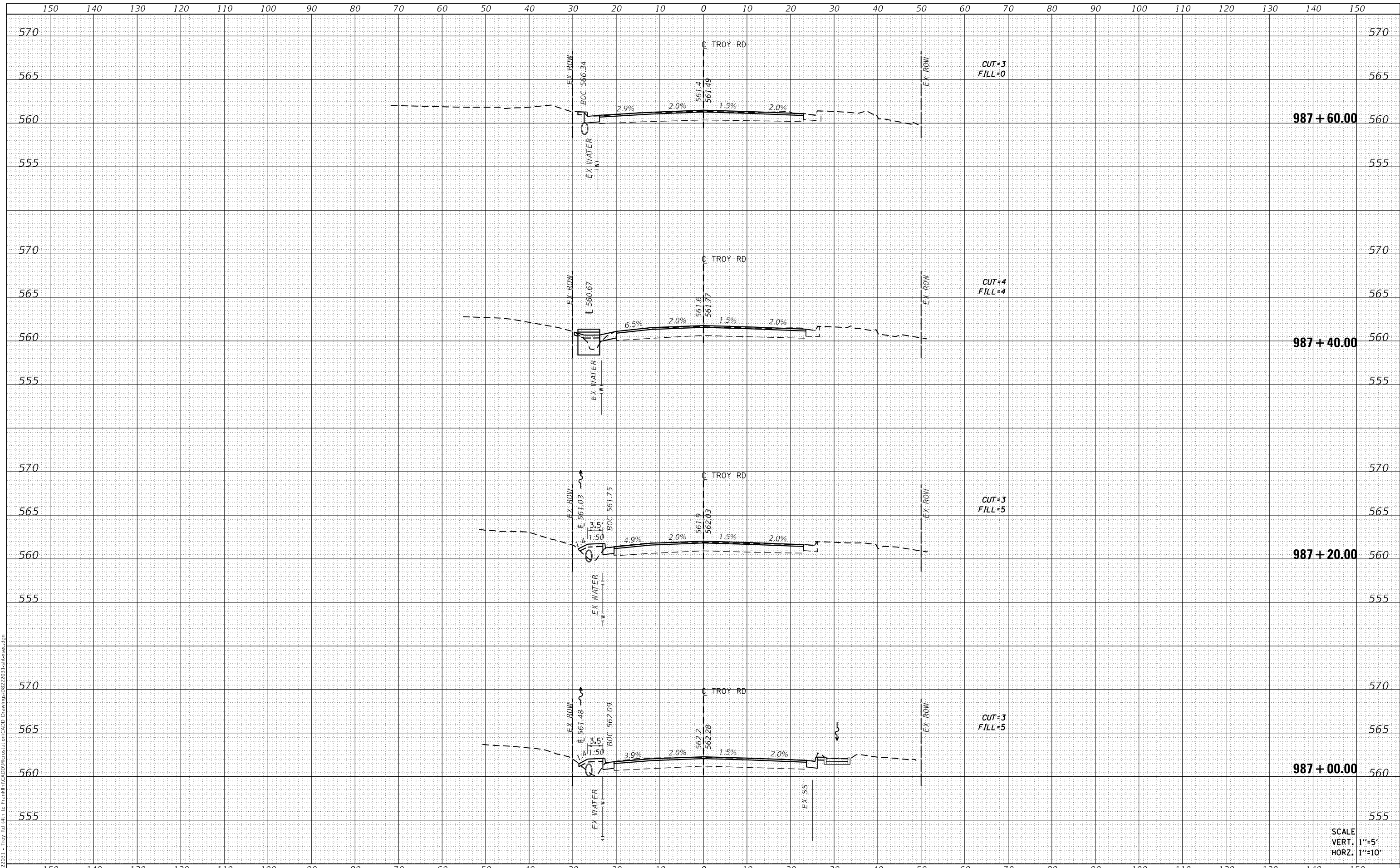
SCALE: SHEET 2 OF 3 SHEETS STA. 985+41.00 TO STA. 986+73.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-R5	MADISON	35	34
CONTRACT NO. 97838			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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SCALE  
 VERT. 1"=5'  
 HORZ. 1"=10'



USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/5/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTION SHEETS

SCALE: SHEET 3 OF 3 SHEETS STA. 987+00.00 TO STA. 987+60.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8887	20-00114-00-R5	MADISON	35	35
CONTRACT NO. 97838				
ILLINOIS		FED. AID PROJECT		