

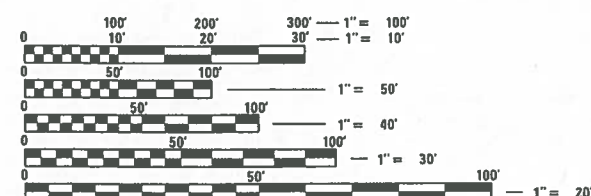
06-13-2025 LETTING ITEM 176

## INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5	SCHEDULE OF QUANTITIES
6-8	ALIGNMENT, TIES AND BENCHMARKS
9-12	PLAN SHEETS
13	CONSTRUCTION DETAILS

## CITY OFFICIALS

NATHAN PASTOR ..... MAYOR  
KIM TOBERMAN ..... CITY CLERK  
TONIA COTHERN ..... TREASURER  
TIM EDDY ..... ALDERMAN  
KEVIN CHRISTER ..... ALDERMAN  
GLENN SCHNEIDER ..... ALDERMAN  
KATHERINE STEPHENS ..... ALDERMAN  
DENA SMITH ..... ALDERMAN  
STEVE SCOTT ..... ALDERMAN  
GLENDA GARRETT ..... ALDERMAN  
JORDAN BEESON ..... ALDERMAN  
GREG HOLTHAUS ..... CITY ENGINEER  
STEVEN MAHRT ..... CITY ATTORNEY



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.

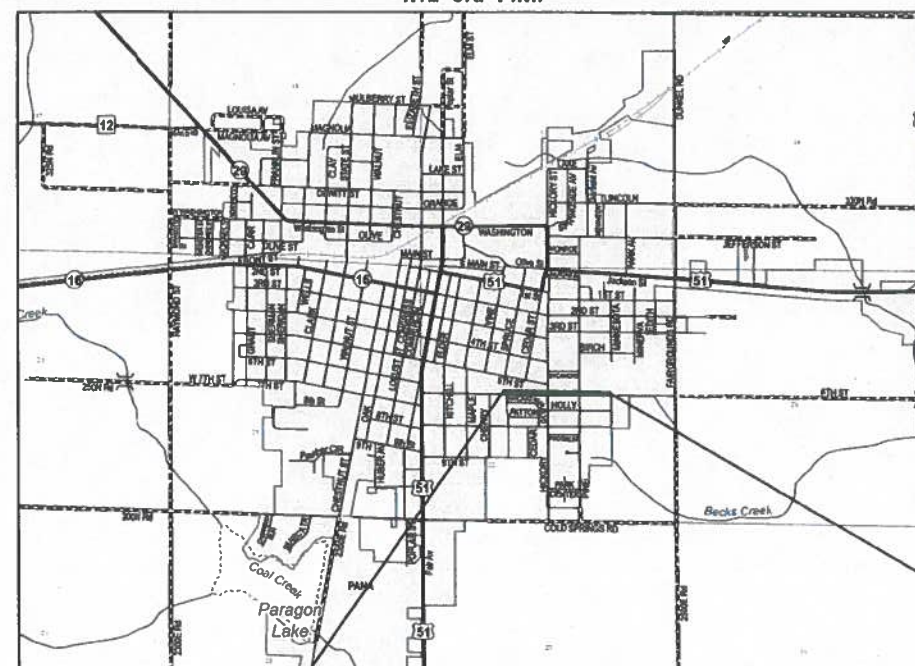
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

CONTRACT NO. 93837

# PROPOSED HIGHWAY PLANS

SECTION 24-00055-00-RS  
PROJECT HQ3V(935)  
E. 6TH ST. RESURFACING ROADWAY IMPROVEMENTS  
SURFACE TRANSPORTATION / URBAN PROGRAM (STU)  
CITY OF PANA  
CHRISTIAN COUNTY  
C-96-014-25

R1E 3rd P.M.



BEGIN IMPROVEMENTS  
STA: 10 + 00.00

GROSS LENGTH = 2,359.09 FT. = 0.45 MILE  
NET LENGTH = 2,359.09 FT. = 0.45 MILE  
DESIGN CLASS: MAJOR COLLECTOR - ADT 1600

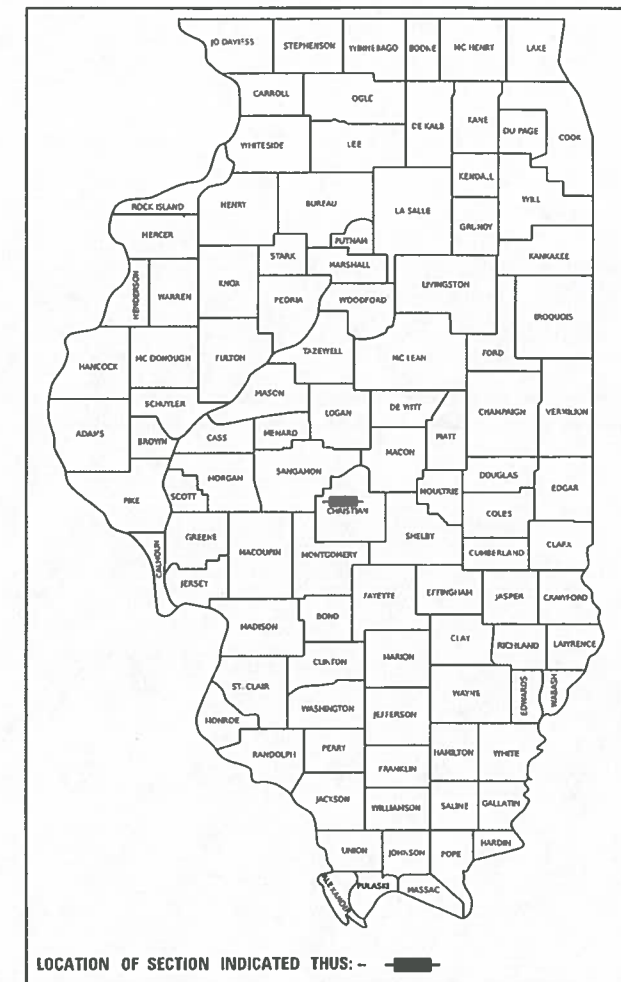
## STANDARDS

000001-08 701311-03  
424001-12 701501-06  
424021-07 701801-06  
424026-04 701901-10  
606001-08 BLR 22-7  
701301-04

END IMPROVEMENTS  
STA: 33 + 59.09



BENTON & ASSOCIATES, INC.  
CONSULTING ENGINEERS / LAND SURVEYORS  
1870 WEST LAFAYETTE AVE.  
JACKSONVILLE, IL 62650  
PHONE: 217-245-4148 FAX: 217-245-4149  
IL DESIGN FIRM REGISTRATION NO. 184-000852



*[Signature]*  
CITY OF PANA - MAYOR  
2-28-25  
DATE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
SUBMITTED *March 6th 2025*  
*Lora Rensing* (REGION 4) REGIONAL ENGINEER  
*March 6th 2025*  
*Brian Wright* DISTRICT 6 LOCAL ROADS & STREETS ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

GENERAL NOTES:

1.

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2022, THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" CURRENT AT TIME OF BID, AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL. THE IDOT HIGHWAY STANDARDS LATEST REVISION NUMBERS SHALL APPLY TO THIS PROJECT.
2.

WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE CITY AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
3.

ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTORS EXPENSE.
4.

ALL PROPOSED PAVEMENT WIDTHS SHOWN ON THE PLANS ARE MEASURED FLOW LINE TO FLOW LINE OF PAVEMENT AND ALL ALIGNMENT CALCULATIONS HAVE BEEN MADE ON THE FLOW LINE OF THE PROPOSED CURB, UNLESS OTHERWISE NOTED ON THE PLANS. ALL ELEVATIONS SHOWN REFER TO THE U.S.G.S. DATUM AT MEAN SEA LEVEL.
5.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO THE LUMP SUM PAY ITEMS.
6.

THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES WHICH ARE STILL IN SERVICE.
7.

EXISTING PAVEMENT, SIDEWALK AND CURB AND GUTTER DAMAGED DUE TO THE CONTRACTORS NEGLIGENCE SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
8.

DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SO AFFECTED SHALL BE FREE FROM ALL DEBRIS. THIS WORK SHALL BE INCLUDED WITH THE COST OF THE PROJECT.
9.

THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE CITY AND ADJOINING PROPERTY OWNERS TO MAINATIN ACCESS TO EACH PROPERTY AS DIRECED BY THE ENGINEER TO LIMIT DISRUPTIONS TO NORMAL OPERATIONS OF THE BUSINESS OR PROPERTY.
10.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
11.

ENGINEER WILL NOT BE RESPONSIBLE FOR CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCE OR PROCEDURES OF CONSTRUCTION OR THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENT THERTO, AND ENGINEER WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO PERFORM OR FURNISH THE WORK IN ACCORDANCE WITH THE SPECIFICATIONS.
12.

THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS GRADING OPERATIONS AROUND TRANSMISSION POLES AND UNDER TRANSMISSION LINES. THE ADDED COST OF SO DOING SHALL BE CONSIDERED INCIDENTAL TO THE OPERATION OF WORK BEING PERFORMED.
13.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, EXISITNG PIPE SIZES, EXISITNG PIPE MATERIAL, EXISTING INVERTS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
14.

DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL COMPLY WITH THE LEGAL LOADING LIMITS ESTABLISHED BY THE CITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE LUGS OR CLEATS ON TREADS OR WHEELS, OR EQUIPMENT, OR BY EXCESSIVE WEIGHTS AND LOADS.
15.

THE CONTRACTOR SHALL CONFINE HIS/HER OPERATIONS TO THE AREA LOCATED WITHIN THE CONSTRUCTION LIMITS SHOWN ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
16.

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

SY

CY

SQUARE YARDS

CUBIC YARDS
17.

ALL WASTE MATERIAL SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY AT THE CONTRACTOR'S EXPENSE AND AS DIRECTED BY THE ENGINEER.

UTILITY REQUIREMENTS

1.

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE OWNER AND THE INDICATED ADJUSTMENTS ARE CONSIDERED TO BE REASONABLY ACCURATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL INDEMIFY THE CITY, ITS OFFICERS, AND EMPLOYEES AGAINST ALL CLAIMS DUE TO DAMAGE TO CORPORATE OR PRIVATE PROPERTY RESULTING FROM HIS CONSTRUCTION OPERATIONS AS DESCRIBED IN ARTICLE 107.20 AND 107.26 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. ILLINOIS STATE LAW REQUIRES A 48 HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E., OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

\* AMEREN CIPS - ELECTRIC

\* AMEREN CIPS - GAS

\* CONSOLIDATED COMMUNICATIONS - INTERNET/TV/PHONE

\* CTI FIBER - FIBER INTERNET

\* SPARKLIGHT COMMUNICATIONS - FIBER INTERNET

\* CITY OF PANA - WATER

\* CITY OF PANA - SEWER
3.

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO. MEMBERS OF J.U.L.I.E. (800-892-0113 OR 811) ARE INDICATED BY AN \*. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

COMMITMENTS

1.

COMMITMENT FOR THIS PROJECT ARE AS FOLLOWS:

\*

NONE.

TRAFFIC CONTROL NOTES

1.

ALL EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE LIGHTS.
2.

"ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT AND ON THE INTERSECTING SIDE ROADS, AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE AND 48" x 48" IN SIZE.
3.

THE CONTRACTOR SHALL FURNISH AND INSTALL WOOD SIGN POST SUPPORTS.
4.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF SIXTEEN SANDBAGS PER BARRICADE.

MIXTURE REQUIREMENTS

ROUTE	E 6TH ST / FAU 7936
COUNTY	CHRISTIAN

DESCRIPTION:	RESURFACE FROM 0.1 MILE WEST OF SPRUCE ST. TO EAST OF MINNESOTA ST.
--------------	---

ADT (CONSTRUCTION YR)	1875
PV%	95.0
MU%	2.0
SU%	3.0

MIXTURE USE:	SURFACE COURSE	PATCHING
AC/PG	PG 64-22	PG 64-22
RAP% (MAX)	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes = 50	4.0% @ Ndes = 50
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICTION AGG	MIXTURE "C"	MIXTURE "C"
QUALITY MANAGEMENT	QA/QC	QA/QC

APPLICATION RATES:

SEEDING, CLASS 2 = 50 LB/ACRE  
NITROGEN FERTILIZER NUTRIENTS = 90 LB/ACRE  
PHOSPHORUS FERTILIZER NUTRIENTS = 90 LB/ACRE  
POTASSIUM FERTILIZER NUTRIENTS = 90 LB/ACRE  
MULCH, METHOD 2 = 2 TONS/ACRE

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT-MIX ASPHALT..... 112 LB/SQ YD/INCH  
BITUMINOUS MATERIALS (TACK COAT)  
ON MILLED PAVEMENTS..... 0.05 LB/SQ FT  
BETWEEN HMA LIFTS..... 0.025 LB/SQ FT  
BITUMINOUS MATERIALS (PRIME COAT).... 0.25 LB/SQ FT  
ALL AGGREGATE..... 2.05 TON/CU YD

MODEL: GENERAL NOTES - 1  
FILE NAME: P:\23\3022\Design\Cadd Sheets\002-utl-genenote.dgn

<div><div>RA</div><div>BENTON &amp; ASSOCIATES, INC., CONSULTING ENGINEERS / LAND SURVEYORS 1970 WEST LAVERETTE AVE. JACKSONVILLE, IL 62650 PHONE: 217-265-1146 FAX: 217-215-1149 IL DESIGN FIRM REGISTRATION NO. 18-A-000852</div></div>	USER NAME = sfenimore	DESIGNED - SJB	REVISED -	CITY OF PANA E 6TH STREET RESURFACING	GENERAL NOTES AND COMMITMENTS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GJS	REVISED -						24-00055-00-R5	CHRISTIAN	13	2
	PLOT SCALE = 0.167 ' / in.	CHECKED - SJB	REVISED -									CONTRACT NO. 93837
	PLOT DATE = 3/6/2025	DATE - FEBRUARY 2025	REVISED -									
								SCALE: NTS	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS   FED. AID PROJECT

				CONSTR. CODE
				100% LOCAL
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SAFETY
				NONE
				URBAN
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	12.7	12.7
25000200	SEEDING, CLASS 2	ACRE	0.25	0.25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1	1
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1	1
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1	1
25100115	MULCH, METHOD 2	ACRE	0.25	0.25
31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	1	1
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	3304	3304
40600990	TEMPORARY RAMP	SQ YD	374	374
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	822	822
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	7339	7339
44000600	SIDEWALK REMOVAL	SQ FT	73	73
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	360	360
60266600	VALVE BOXES TO BE ADJUSTED	EACH	8	8

				CONSTR. CODE
				100% LOCAL
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SAFETY
				NONE
				URBAN
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	3	3
60603900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (ABUTTING EXISTING PAVEMENT)	FOOT	19	19
67100100	MOBILIZATION	L SUM	1	1
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0053700	RESETTING SURVEY MONUMENTS	EACH	1	1

\* SPECIALTY ITEM

MODEL: Typical.ctb  
FILE NAME: P:\23\93872\Design\Drawn\Cadd Sheet\004-01btypical.dgn



BENTON & ASSOCIATES, INC.  
CONSULTING ENGINEERS / LAND SURVEYORS  
1070 WEST LAFAYETTE AVE.  
JACKSONVILLE, IL 61830  
PHONE: 317.026-4118 FAX: 317.085-4140  
IL DESIGN FIRM REGISTRATION NO. 184-000852

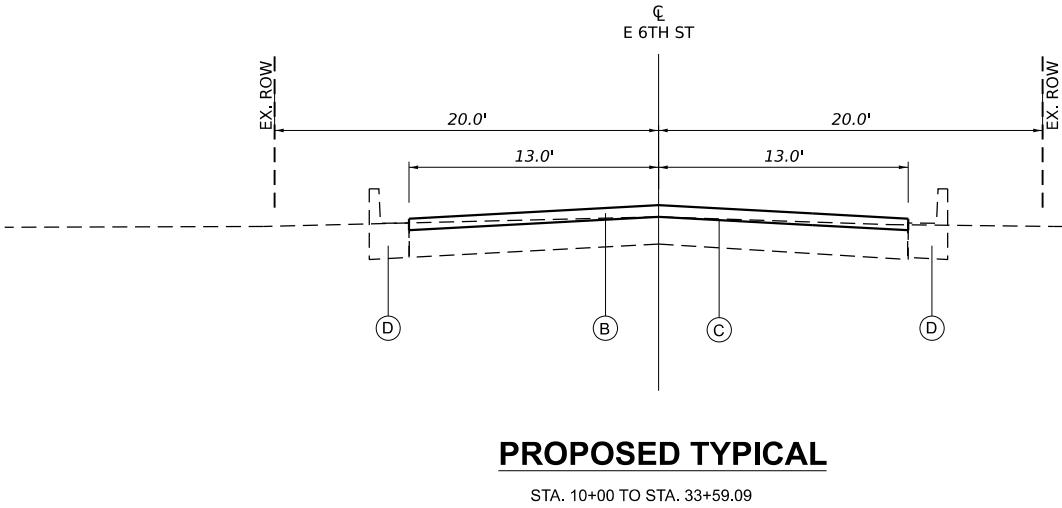
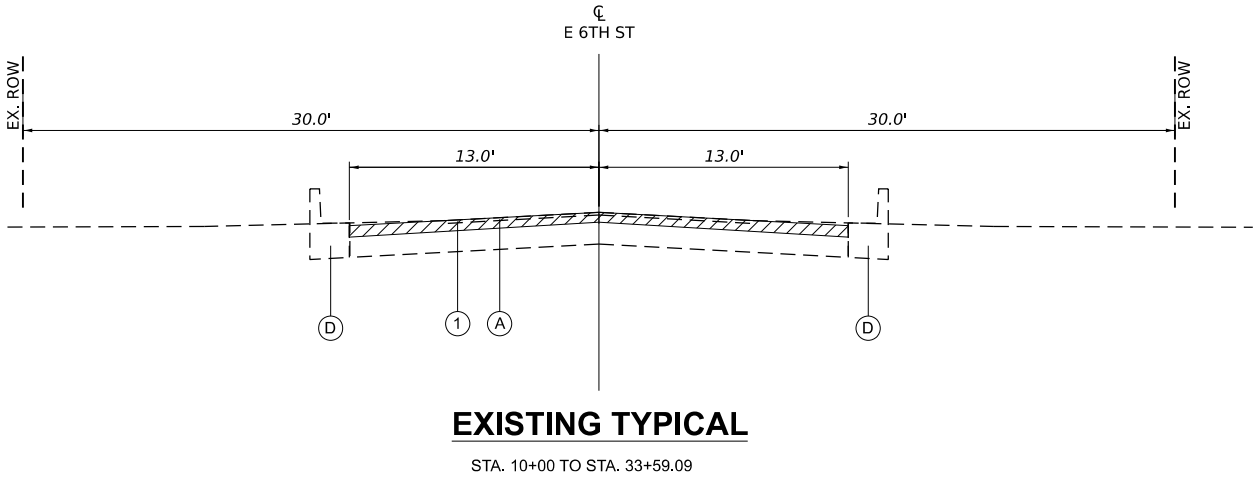
USER NAME	= gsturgeon	DESIGNED -	SJB	REVISED -	
		DRAWN -	RDS	REVISED -	
PLOT SCALE	= 0.16666633 ' / in.	CHECKED -	SJB	REVISED -	
PLOT DATE	= 3/6/2025	DATE -	FEBRUARY 2025	REVISED -	

CITY OF PANA  
E 6TH STREET RESURFACING

TYPICAL SECTIONS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	24-00055-00-RS	CHRISTIAN	13	4
CONTRACT NO. 93837				
		ILLINOIS	FED. AID PROJECT	



LEGEND

- 1 EXISTING HMA PAVEMENT
- A HMA SURFACE REMOVAL, 2"
- B PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "C", N50 (2")
- C PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
- D EXSITING CONCRETE CURB & GUTTER TO REMAIN

HMA SURFACING SCHEDULE					
LOCATION			BITUMINOUS MATERIALS (PRIME COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TEMPORARY RAMP
STA.	TO	STA.	(POUND)	(TON)	(SQ YD)
10+00.00	-	33+59.09	3302.7	822.0	
S SPRUCE ST INTERSECTION			0.3		73.3
S HICKORY ST INTERSECTION			0.7		117.8
S PINE ST INTERSECTION					131.7
MINNESOTA ST INTERSECTION					51.1
SUBTOTAL			3303.7	822.0	374
TOTAL			3304	822	374


CURB & GUTTER SCHEDULE		
LOCATION	COMBINATION CONCRETE CURB & GUTTER, TYPE B 6.12	SUBBASE GRANULAR MATERIAL, TYPE B
	(FT)	(CU YD)
S SPRUCE ST INTERSECTION	6.0	0.19
S HICKORY ST INTERSECTION	13.3	0.42
SUBTOTAL	19.3	0.62
TOTAL	19	1

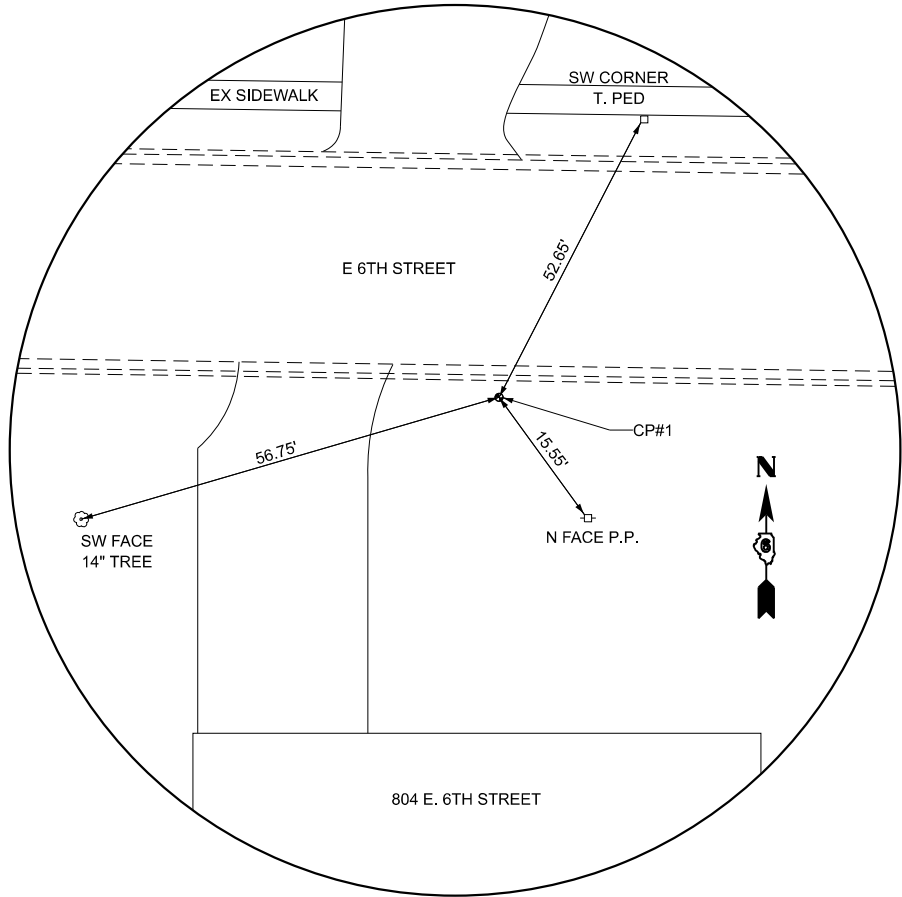
REMOVAL SCHEDULE				
LOCATION			HOT-MIX ASPHALT SURFACE REMOVAL 2.0"	SIDEWALK REMOVAL
STA.	TO	STA.	(SQ YD)	(SQ FT)
10+00.00	-	33+59.09	7339.4	
S SPRUCE ST INTERSECTION				47.7
S HICKORY ST INTERSECTION				25.6
SUBTOTAL			7339.4	73.3
TOTAL			7339	73

SEEDING SCHEDULE						
LOCATION	SEEDING, CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	TOPSOIL FURNISH & PLACE, 6 IN
	(ACRE)	(POUND)	(POUND)	(POUND)	(ACRE)	(SQ YD)
S SPRUCE ST INTERSECTION	0.002	0.2	0.2	0.2	0.002	8
S HICKORY ST INTERSECTION	0.001	0.1	0.1	0.1	0.001	4.7
SUBTOTAL	0.003	0.3	0.3	0.3	0.003	12.7
TOTAL	0.25	1.0	1.0	1.0	0.25	12.7

VALVE AND FRAMES TO BE ADJUSTED SCHEDULE				
LOCATION			WATER VALVES TO BE ADJUSTED	FRAME AND LID TO BE ADJUSTED
STA.	TO	STA.	(EACH)	(EACH)
10+00.00	-	33+59.09	8	3
SUBTOTAL			8	3
TOTAL			8	3

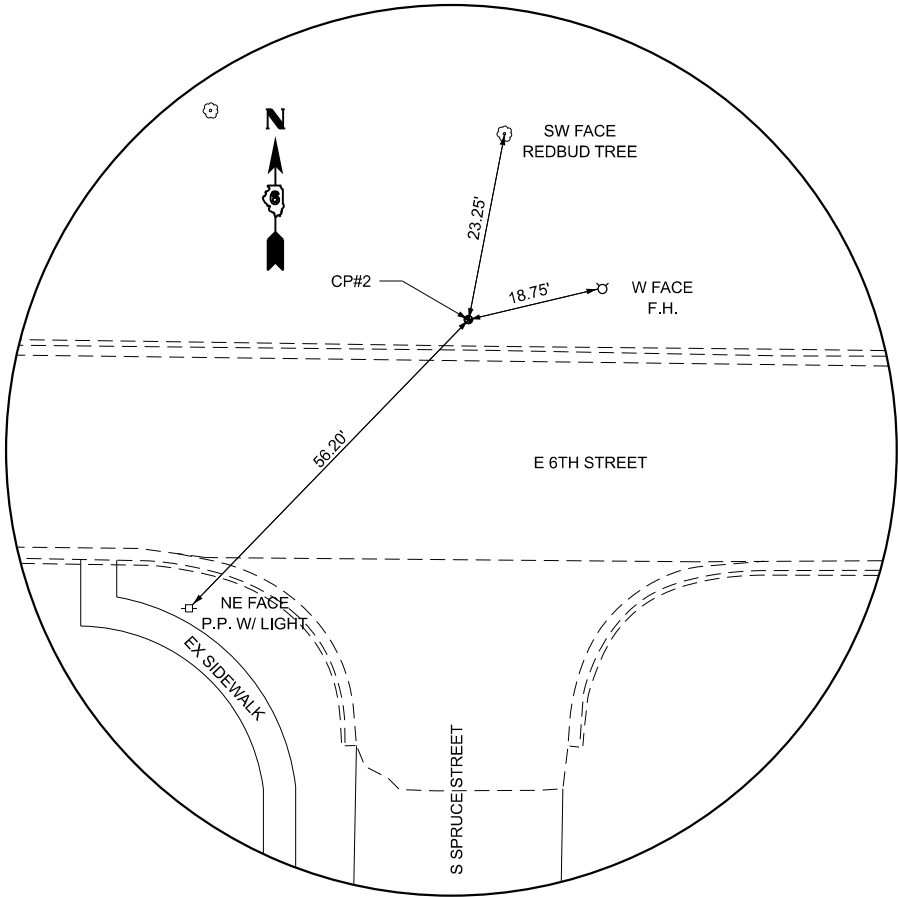
MODEL: Schedules [Sheet]  
FILE NAME: P:\23\522\Design\Drawn\Sheet\005-hh-Schedules.dgn

 <div>BENTON &amp; ASSOCIATES, INC. CONSULTING ENGINEERS / LAND SURVEYORS 1070 WEST LAFAYETTE AVE. JACKSONVILLE, IL 61830 PHONE: 317.634-4198 FAX: 317.684-4149 IL DESIGN FIRM REGISTRATION NO. 184-000852</div>	USER NAME = gsturgeon		DESIGNED - SJB	REVISED -	CITY OF PANA E 6TH STREET RESURFACING	SCHEDULE OF QUANTITIES			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - GJS		REVIS	ED						24-00055-00-R5	CHRISTIAN	13	5
	PLOT SCALE = 0.16666633' / in.		CHECKED - SJB	REVISED -		SCALE: NTS			SHEET 1 OF 1 SHEETS		STA.	TO STA.	CONTRACT NO. 93837
	PLOT DATE = 3/6/2025		DATE - FEBRUARY 2025	REVISED -							ILLINOIS	FED. AID PROJECT	



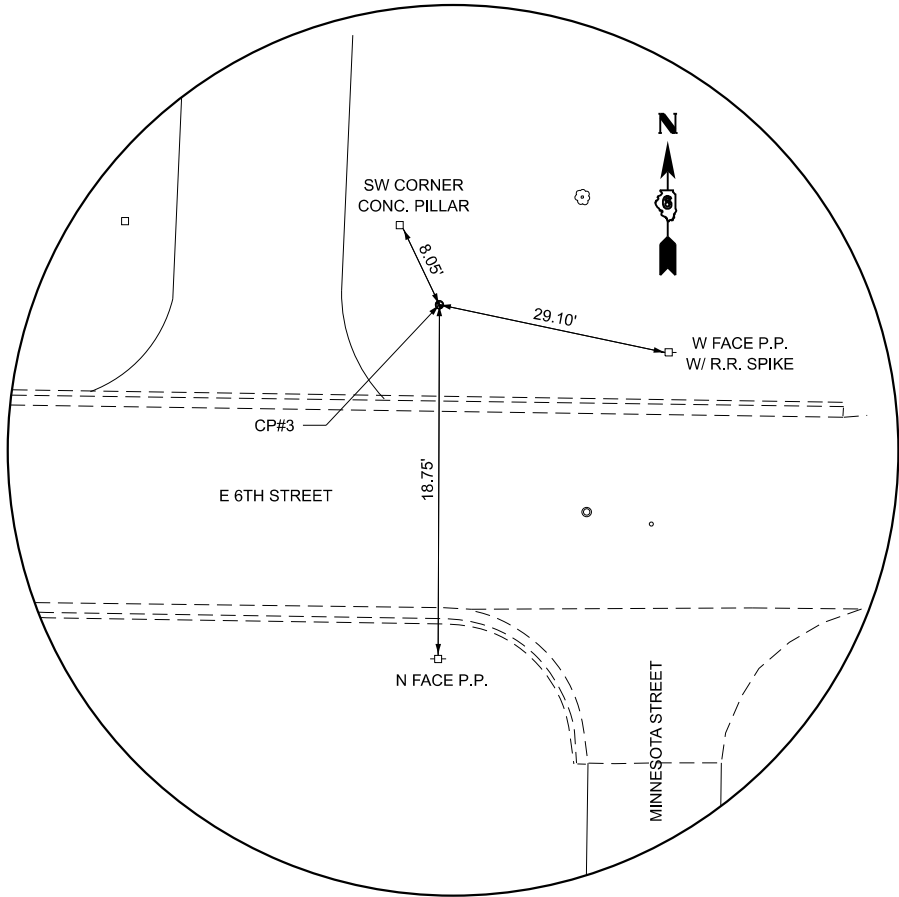
CONTROL POINT #1

SET IRON ROD  
N: 2606155.871  
E: 991009.472



CONTROL POINT #2

SET IRON ROD  
N: 2605064.564  
E: 991061.381



CONTROL POINT #3

SET IRON ROD  
N: 2607213.454  
E: 991040.483

BENCHMARKS:

- BM# 3922-1 - "O" IN "OPEN" TOP FLANGE OF FIRE HYDRANT ON NORTHEAST CORNER OF E. 6TH STREET & HICKORY STREET. EL:686.45
- BM# 3922-2 - CHISELED "X" SE FLANGE BOTTOM BOLT ON FIRE HYDRANT ON SOUTHEAST CORNER OF E. 6TH STREET & PINE STREET. EL:680.31
- BM# 3922-3 - RR SPIKE IN POWER POLE NORTH SIDE OF E. 6TH STREET AT OF MINNESOTA STREET INTERSECTION. EL:676.89

MODEL: ATB\_3.TIF (Sheet)  
FILE NAME: P:\3922\Design\Cadd Sheets\006-408-sh1-ATB.dgn



BENTON & ASSOCIATES, INC.  
CONSULTING ENGINEERS / LAND SURVEYORS  
1070 WEST LAFAYETTE AVE.  
JACKSONVILLE, IL 61830  
PHONE: 317.326-4198 FAX: 317.326-4149  
IL DESIGN FIRM REGISTRATION NO. 184-000052

USER NAME	= gsturjeon	DESIGNED -	SJB	REVISED -	
		DRAWN -	RDS	REVISED -	
PLOT SCALE	= 0.16666633 ' / in.	CHECKED -	SJB	REVISED -	
PLOT DATE	= 3/6/2025	DATE -	FEBRUARY 2025	REVISED -	

CITY OF PANA  
E 6TH STREET RESURFACING

ALIGNMENTS, CONTROL TIES AND BENCHMARKS PLAN

SCALE: NTS      SHEET 1      OF 3      SHEETS      STA.      TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	24-00055-00-R5	CHRISTIAN	13	6
CONTRACT NO. 93837				
ILLINOIS   FED. AID PROJECT				

MODEL: E 6TH ST - Plan 1 (Sheet)  
FILE NAME: P:\3\32322\Design\Drawn\Road Sheets\005-005-sh-1-1TB.dgn



BENTON & ASSOCIATES, INC.  
CONSULTING ENGINEERS / LAND SURVEYORS  
1070 WEST LAFAYETTE AVE.  
JACKSONVILLE, IL 61830  
PHONE: 317.235-4118 FAX: 317.285-4149  
IL DESIGN FIRM REGISTRATION NO. 184-000852

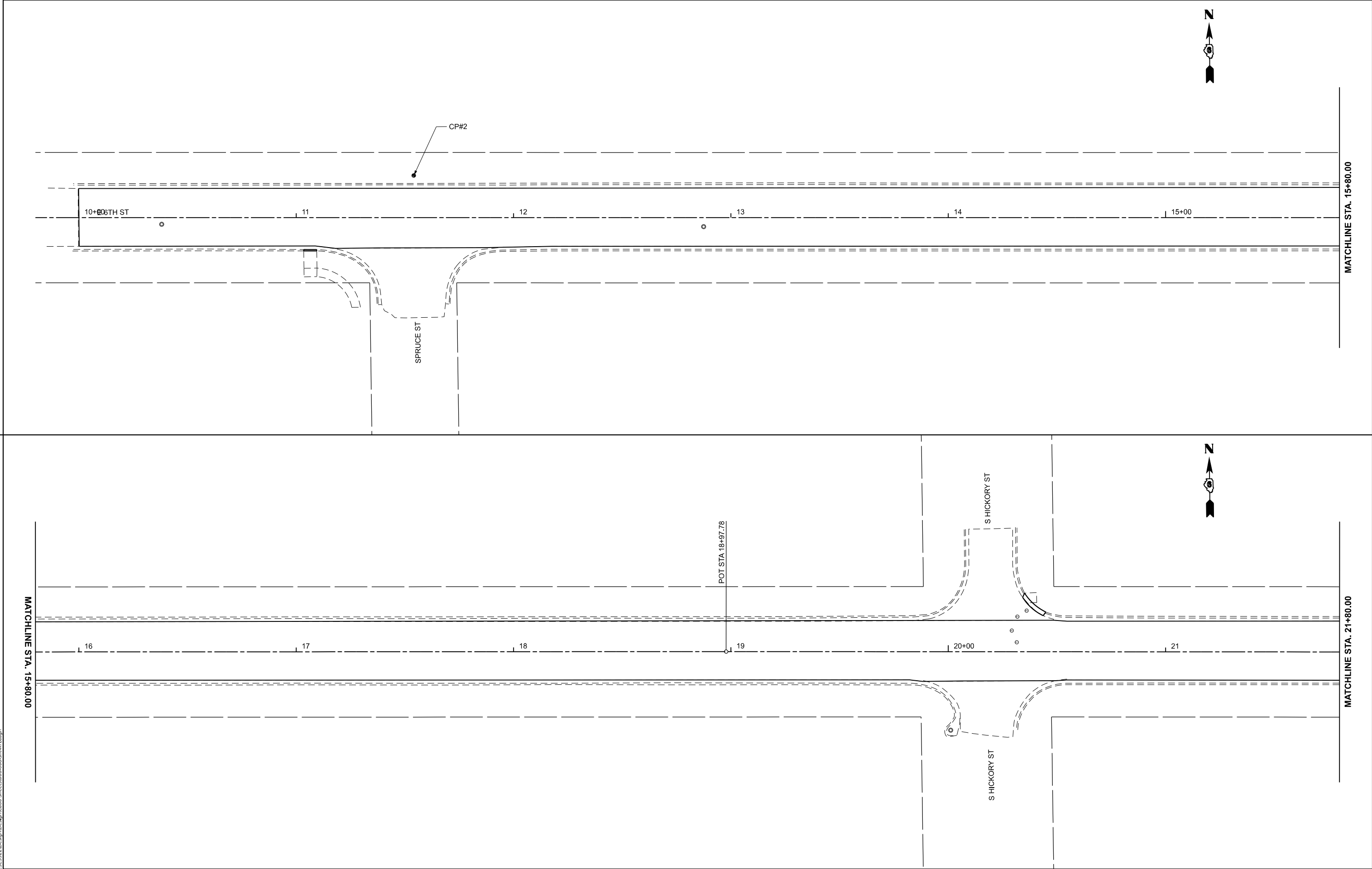
USER NAME	= gsturjeon	DESIGNED -	SJB	REVISED -	
		DRAWN -	RDS	REVISED -	
PLOT SCALE	= 0.16666633 ' / in.	CHECKED -	SJB	REVISED -	
PLOT DATE	= 3/6/2025	DATE -	FEBRUARY 2025	REVISED -	

CITY OF PANA  
E 6TH STREET RESURFACING

ALIGNMENT, CONTROL TIES AND BENCHMARKS PLAN

SCALE: NTS      SHEET 2      OF 3      SHEETS      STA.      TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	24-00055-00-RS	CHRISTIAN	13	7
CONTRACT NO. 93837				
		ILLINOIS	FED. AID PROJECT	



MODEL: E 6TH ST - Plan 3 (Sheet)  
FILE NAME: P:\3\32322\Design\Drawn\Road Sheets\005-005-sh-4-1B.dgn



BENTON & ASSOCIATES, INC.

CONSULTING ENGINEERS / LAND SURVEYORS

1070 WEST LAFAYETTE AVE.

JACKSONVILLE, IL 61830

PHONE: 317.235-4198 FAX: 317.285-4149

IL DESIGN FIRM REGISTRATION NO. 184-000052

USER NAME	= gsturgeon	DESIGNED -	SJB	REVISED -	
		DRAWN -	RDS	REVISED -	
PLOT SCALE	= 0.16666633 ' / in.	CHECKED -	SJB	REVISED -	
PLOT DATE	= 3/6/2025	DATE -	FEBRUARY 2025	REVISED -	

CITY OF PANA

E 6TH STREET RESURFACING

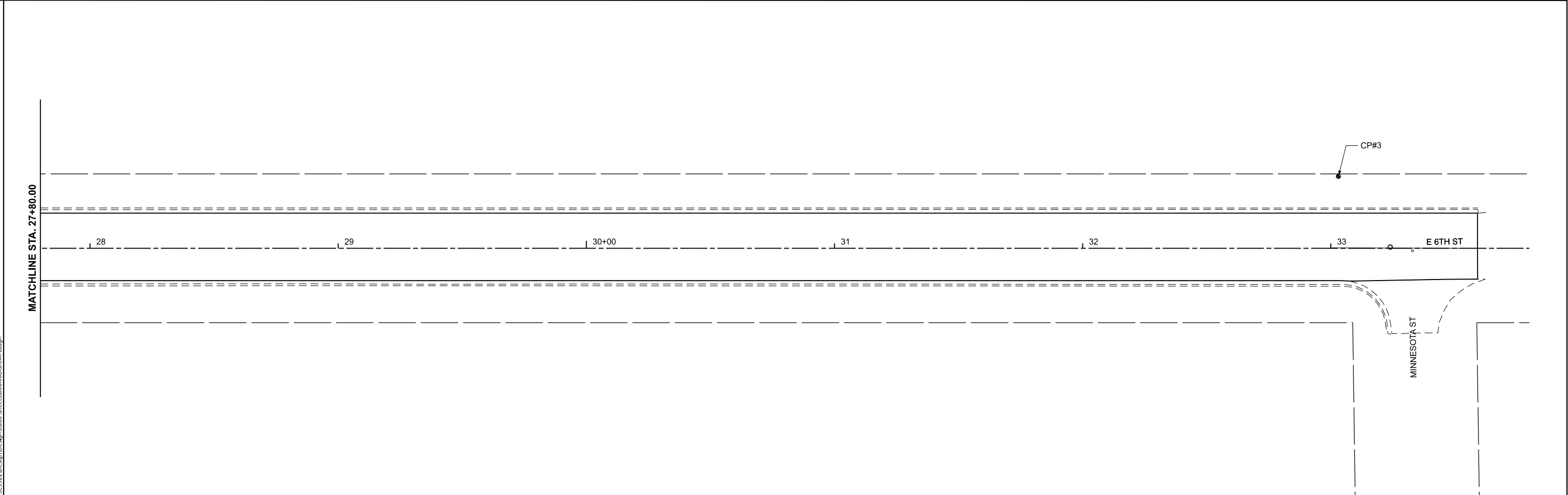
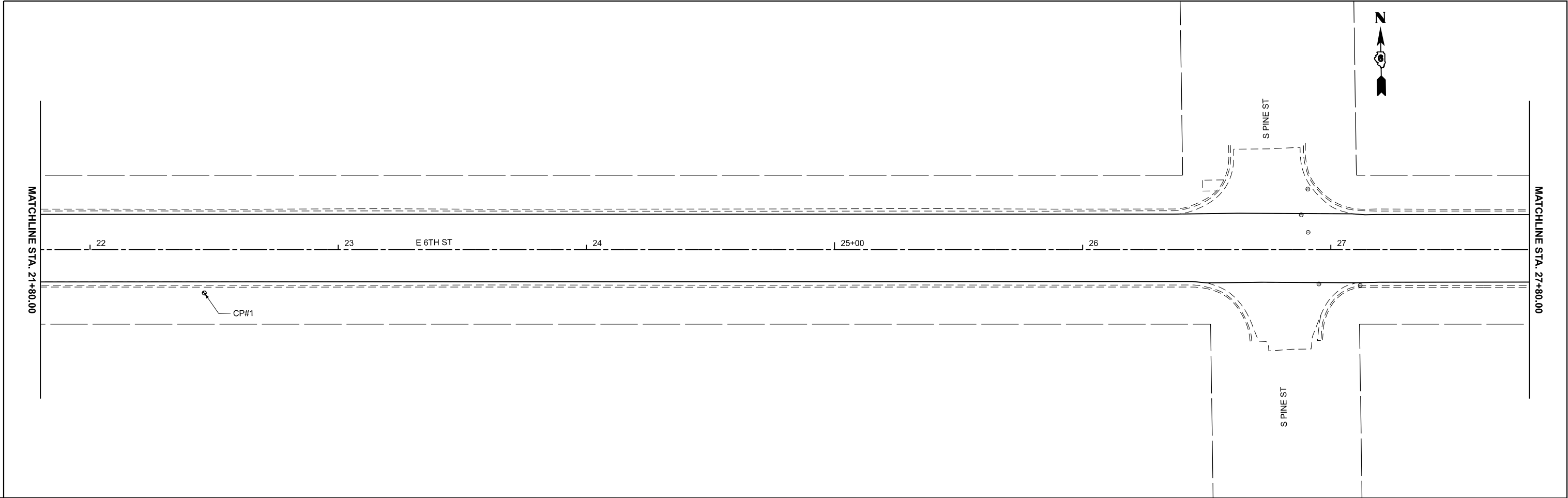
ALIGNMENT, CONTROL TIES AND BENCHMARKS PLAN

SCALE: NTS

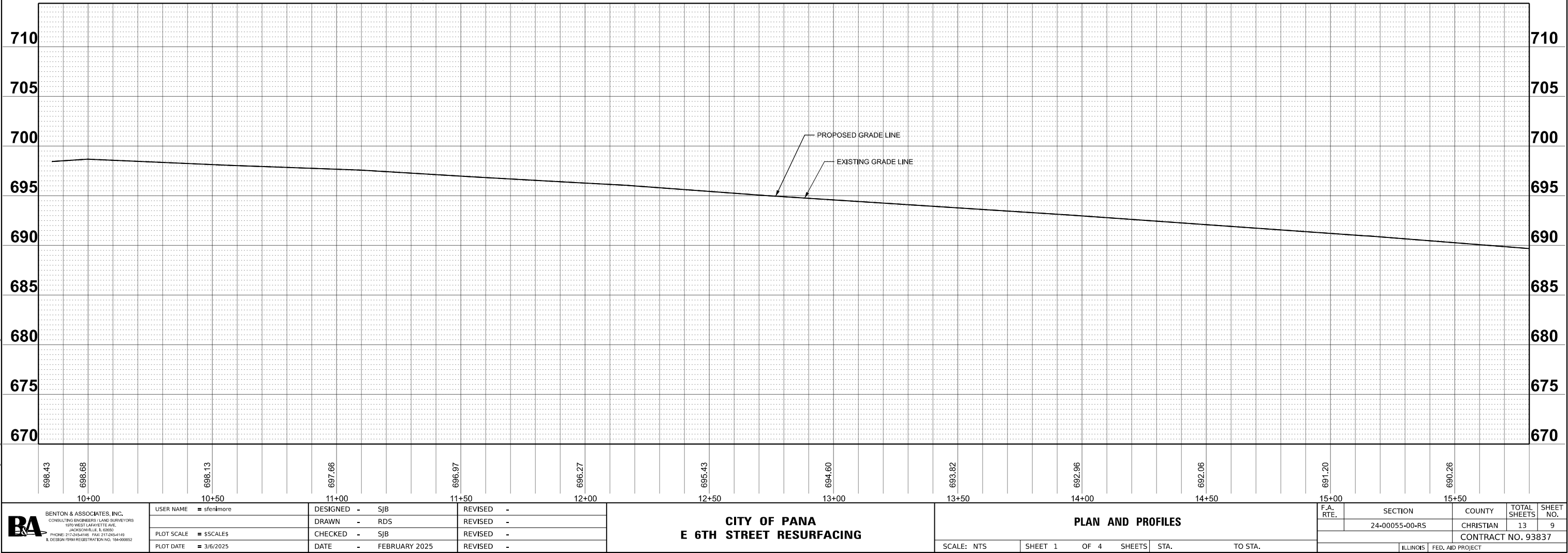
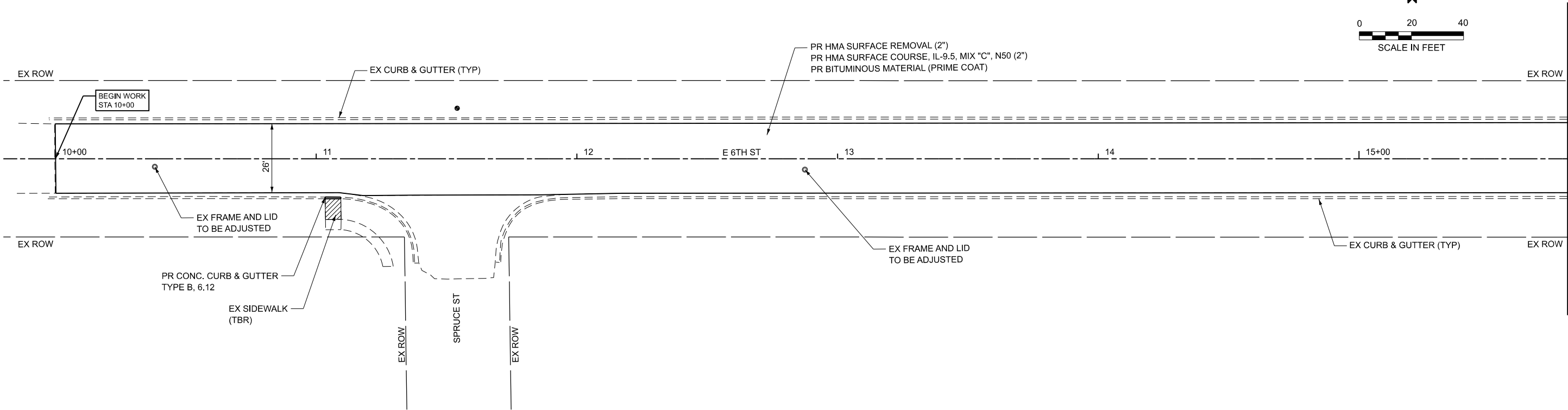
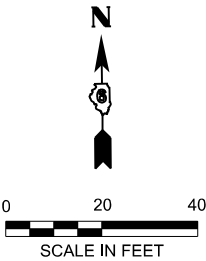
SHEET 3 OF 3 SHEETS

STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	24-00055-00-R5	CHRISTIAN	13	8
CONTRACT NO. 93837				
ILLINOIS			FED. AID PROJECT	







MODEL: E 6TH ST - Plan 1 (Sheet)  
FILE NAME: P:\3\3232\Design\Design\Cadd Sheets\09a012-sheet\PlanProd.dgn



BENTON & ASSOCIATES, INC.  
CONSULTING ENGINEERS / LAND SURVEYORS  
1010 WEST LAFAYETTE AVE.  
JACKSONVILLE, IL 61830  
PHONE: 317.263-4198 FAX: 317.263-4140  
IL DESIGN FIRM REGISTRATION NO. 184-000052

USER NAME	= sfenimore
DESIGNED	- SJB
DRAWN	- RDS
CHECKED	- SJB
PLOT DATE	= 3/6/2025

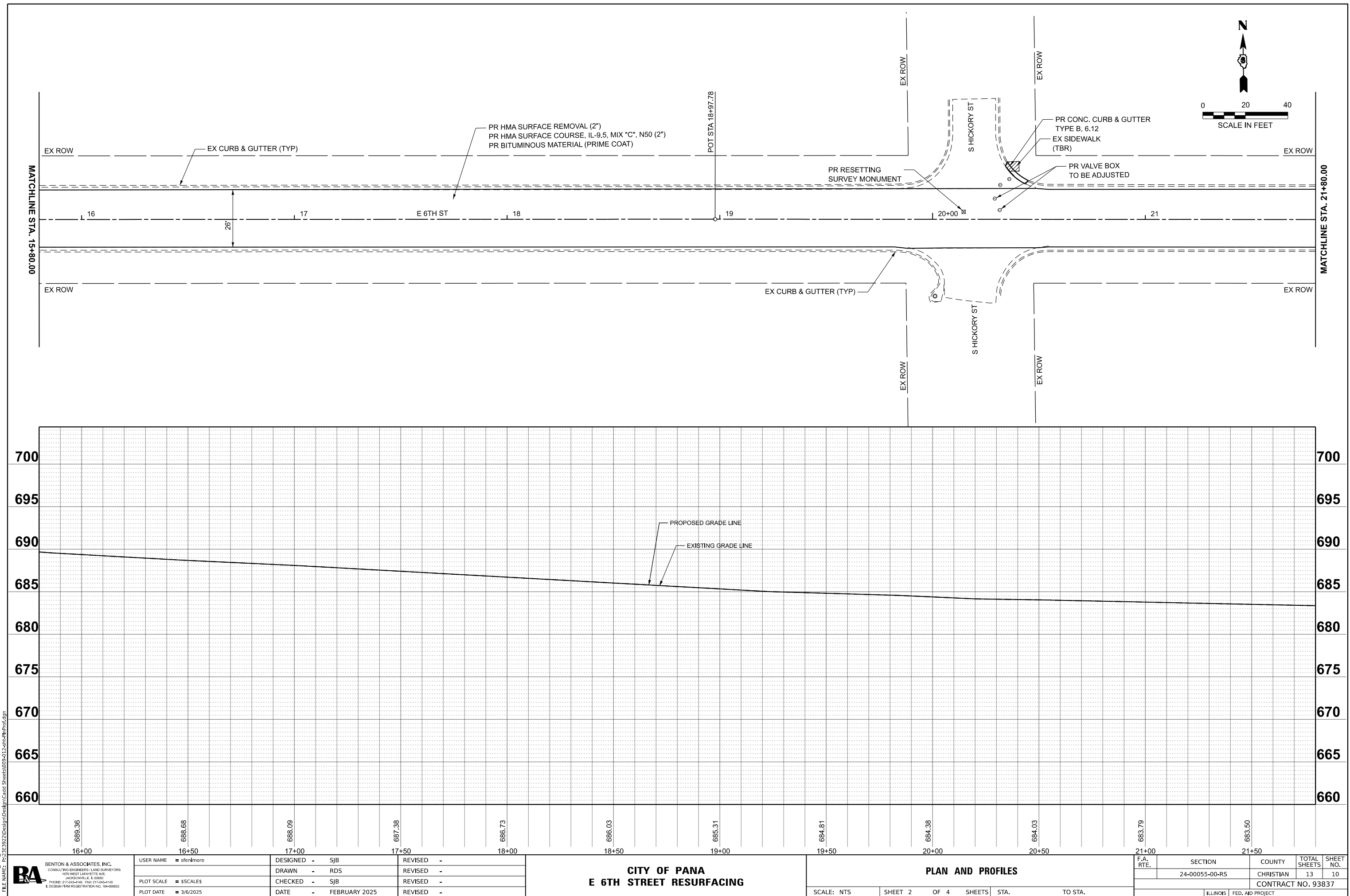
REVISED	-
REVISED	-
REVISED	-
REVISED	-

CITY OF PANA  
E 6TH STREET RESURFACING

PLAN AND PROFILES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	24-00055-00-R5	CHRISTIAN	13	9
CONTRACT NO. 93837				
ILLINOIS FED. AID PROJECT				



MODEL: E 6TH ST - Plan 3 (Sheet)  
FILE NAME: P:\24-00055\24-00055-03.dgn\Sheet03.dgn



BENTON & ASSOCIATES, INC.  
CONSULTING ENGINEERS / LAND SURVEYORS  
1010 WEST LAFAYETTE AVE.  
JACKSONVILLE, IL 61830  
PHONE: 317.265.4141 FAX: 317.265.4141  
IL DESIGN FIRM REGISTRATION NO. 184-000052

USER NAME = sfenimore  
PLOT SCALE = \$SCALE\$  
PLOT DATE = 3/6/2025

DESIGNED - SJB  
DRAWN - RDS  
CHECKED - SJB  
DATE - FEBRUARY 2025

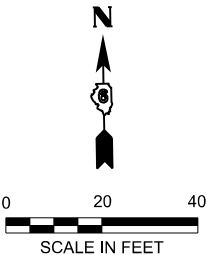
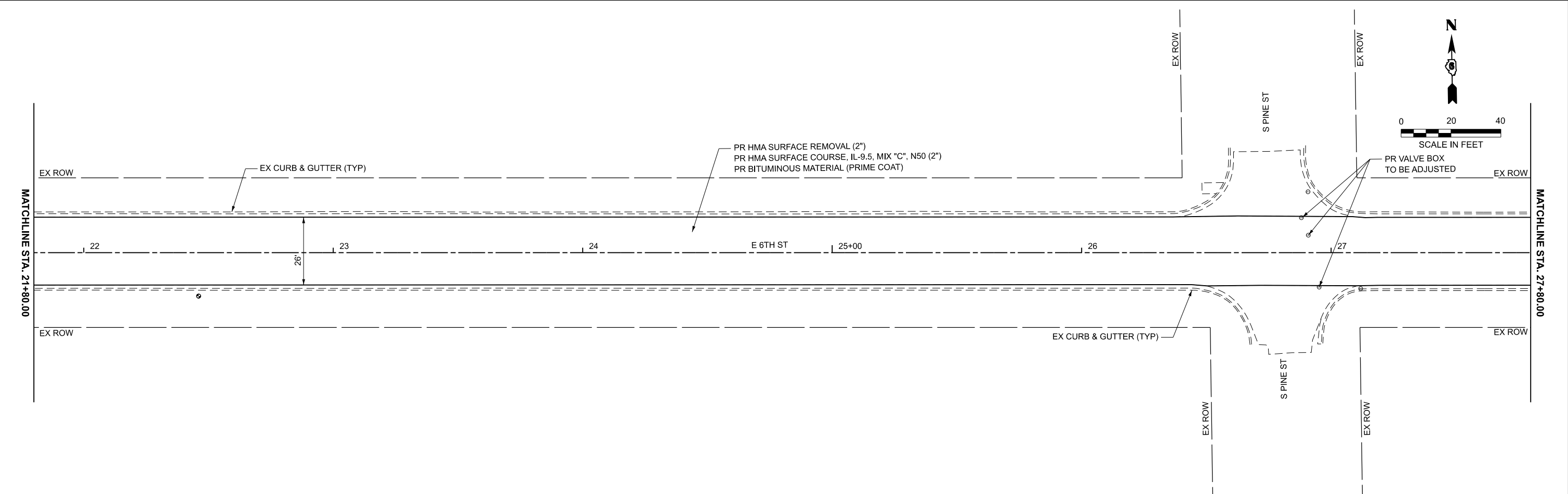
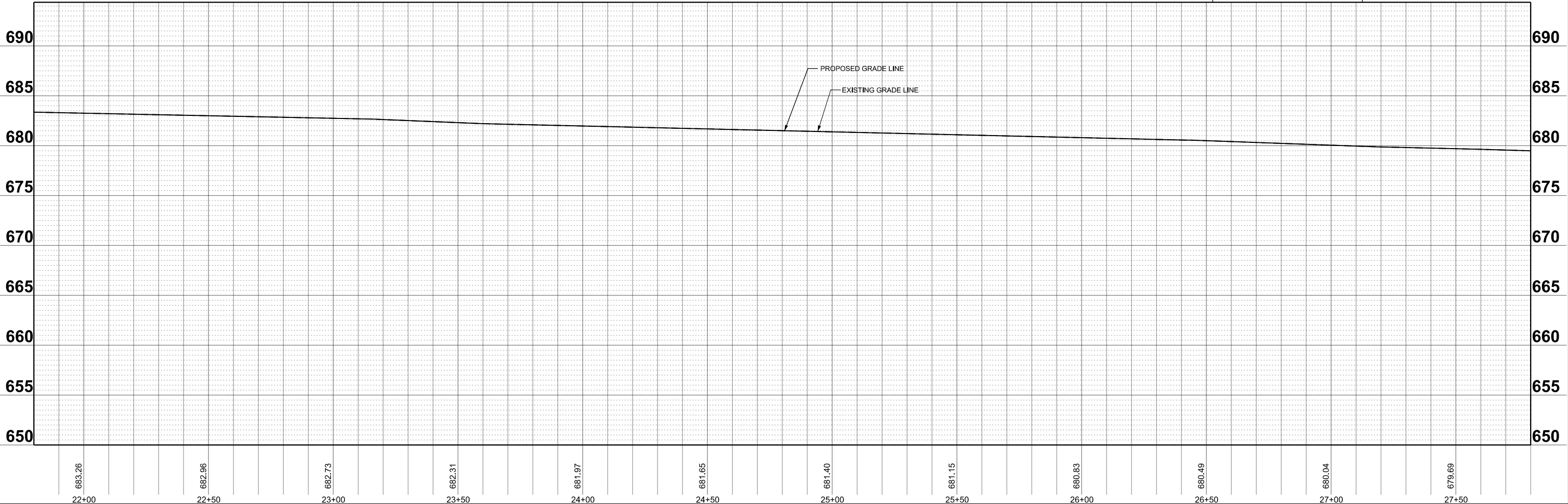
REVISED -  
REVISED -  
REVISED -  
REVISED -

CITY OF PANA  
E 6TH STREET RESURFACING

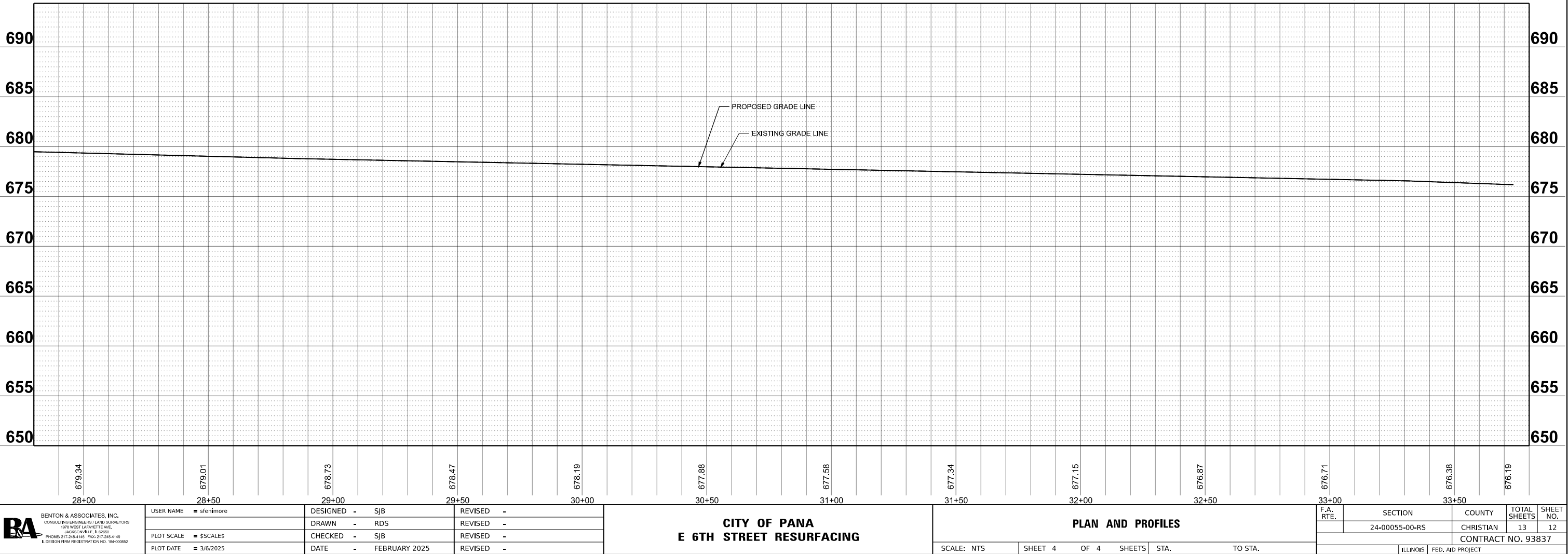
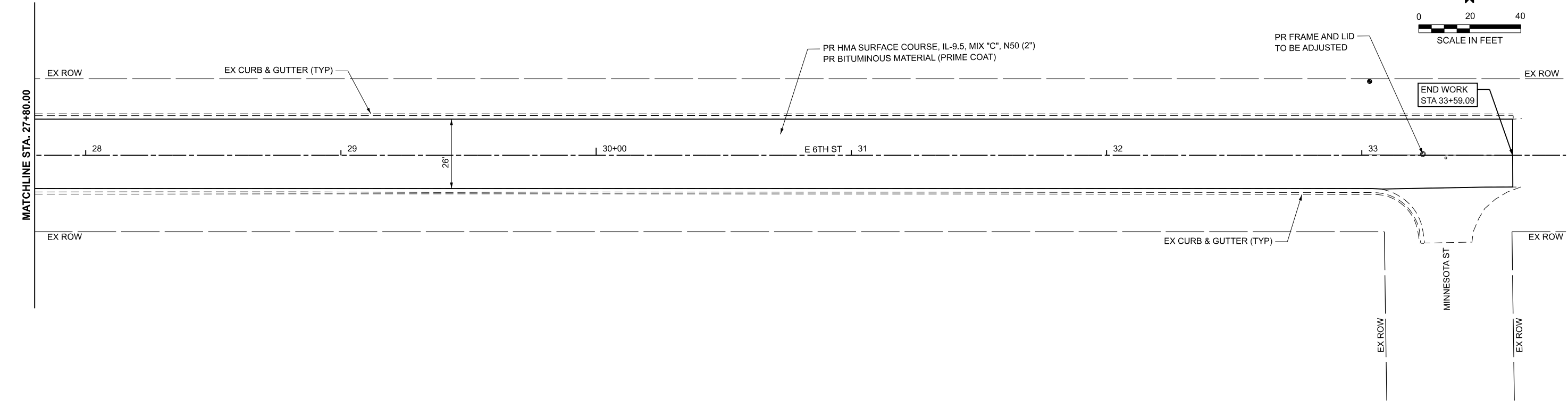
PLAN AND PROFILES

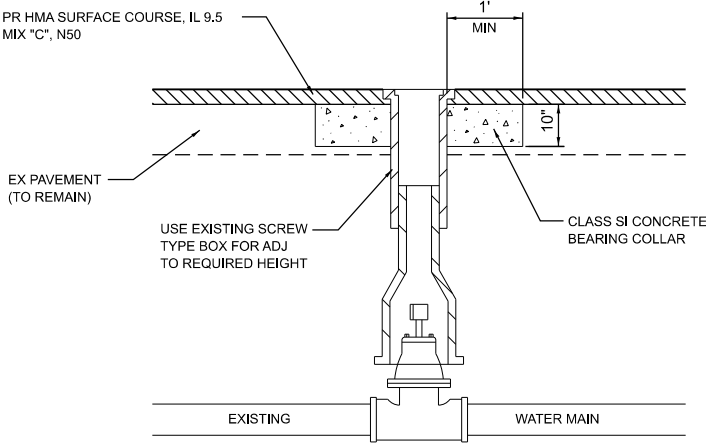
SCALE: NTS SHEET 3 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	24-00055-00-R5	CHRISTIAN	13	11
CONTRACT NO. 93837				
ILLINOIS FED. AID PROJECT				

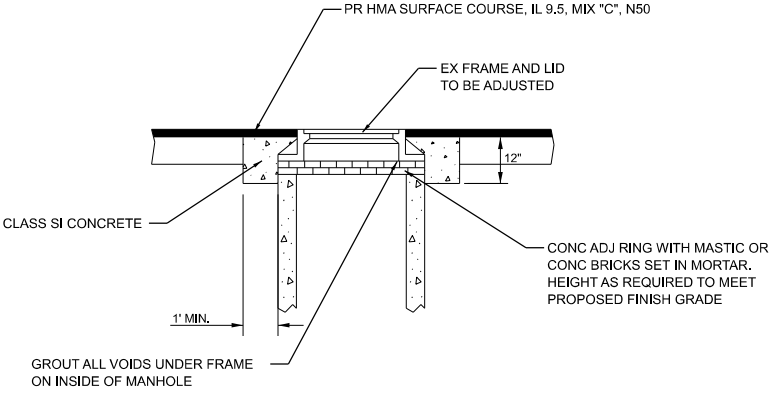


MODEL: E 6TH ST - Plan 4 (Sheet)  
FILE NAME: P:\3\3232\Design\Drawn\Cadd Sheets\09a012-sheet\p4rpt.dgn





**VALVE BOX FRAME TO BE ADJUSTED DETAIL**  
NOT TO SCALE



**DETAIL OF FRAME AND LID TO BE ADJUSTED**  
NOT TO SCALE

MODEL: Detail (Sheet)  
FILE NAME: P:\232392\Design\Detail\Cadd Sheet\013-htdetail.dgn



BENTON & ASSOCIATES, INC.  
CONSULTING ENGINEERS / LAND SURVEYORS  
1070 WEST LAFAYETTE AVE.  
JACKSONVILLE, IL 61830  
PHONE: 317.263-4118 FAX: 317.263-4141  
IL DESIGN FIRM REGISTRATION NO. 184-000852

USER NAME	= gsturjeon	DESIGNED -	SJB	REVISED -	
		DRAWN -	RDS	REVISED -	
PLOT SCALE	= 0.16666633' / in.	CHECKED -	SJB	REVISED -	
PLOT DATE	= 3/6/2025	DATE -	JANUARY 2025	REVISED -	

**CITY OF PANA  
E 6TH STREET RESURFACING**

**CONSTRUCTION DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	24-00055-00-RS	CHRISTIAN	13	13
CONTRACT NO. 93837				
ILLINOIS   FED. AID PROJECT				