

03/11/2022 LETTING ITEM 163

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	1
		ILLINOIS	CONTRACT NO. 97752	

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED

## ST. CLAIR COUNTY FRANK SCOTT PARKWAY EAST / THOUVENOT LANE FAU ROUTE 9330 SECTION: 13-00301-15-PW PROJECT: 1362(395) JOB NO.: C-98-014-21 STR FUNDS



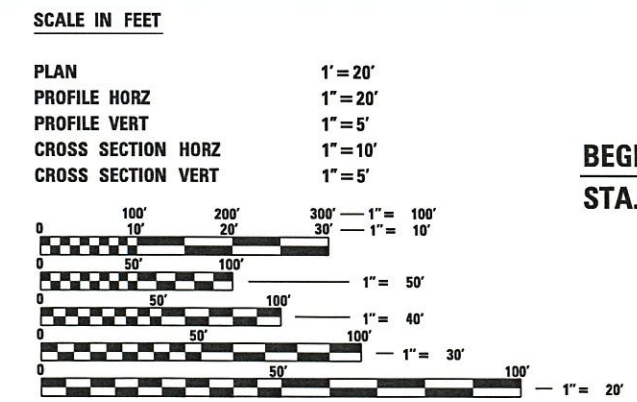
**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 GENERAL NOTES, COMMITMENTS & HIGHWAY STANDARDS
- 3-9 SUMMARY OF QUANTITIES
- 10-13 EXISTING TYPICAL SECTIONS
- 14-16 PROPOSED TYPICAL SECTIONS
- 17-25 SCHEDULES
- 26-27 CONTROL POINT TIES
- 28-45 PLAN AND PROFILE SHEETS
- 46-65 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
- 66-74 EROSION CONTROL PLANS
- 75-93 DRAINAGE PLAN & PROFILE SHEETS
- 94-102 REMOVAL PLANS
- 103-106 ENTRANCE DETAILS
- 107-116 PAVEMENT MARKING & SIGNING PLAN
- 117-120 TRAFFIC SIGNAL SHEETS
- 121-157 BRIDGE PLANS
- 158-164 DETAILS
- 165-251 CROSS SECTIONS

**STR 082-3095**  
PROJECT INCLUDES WIDENING ONE SINGLE SPAN STRUCTURE, CONSISTING OF A REINFORCED CONCRETE DECK ON STEEL PLATE GIRDER SUPERSTRUCTURE FOUNDED ON PILE SUPPORTED SEMI-INTEGRAL ABUTMENTS.

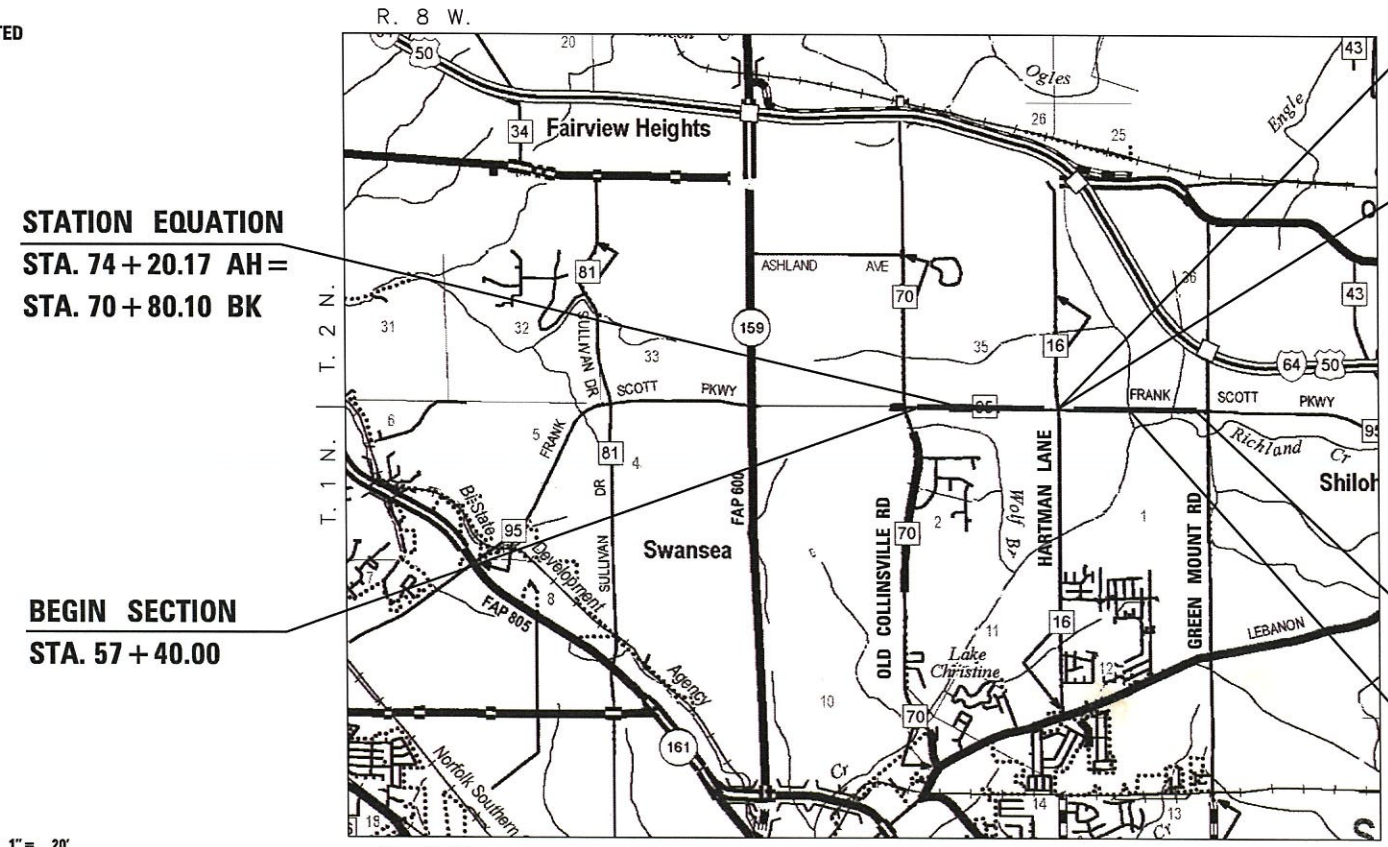
**DESIGN DESIGNATION**

ROADWAY CLASSIFICATION = MINOR ARTERIAL  
 DESIGN SPEED = 45 MPH  
 CURRENT ADT = 19,050  
 DESIGN YEAR ADT (2041) = 26,850



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



**STATION EQUATION**  
STA. 74 + 20.17 AH =  
STA. 70 + 80.10 BK

**BEGIN SECTION**  
STA. 57 + 40.00

**INTERSECTION OMISSION**  
STA. 107 + 00.82 TO  
STA. 114 + 50.20

**STATION EQUATION**  
STA. 110 + 75.76 AH =  
STA. 110 + 74.94 BK

**END SECTION**  
STA. 149 + 62.25

**STR 082-3095**  
STA. 135 + 61.80

**LOCATION MAP**

SCALE: 1" = 4,000'

LENGTH OF PROJECT

GROSS LENGTH OF PROJECT = 8,882.18 FEET (1.682 MILES)  
 NET LENGTH OF SECTION = 8,132.80 FEET (1.540 MILES)



*Steven M. Keil*

STEVEN M. KEIL, P.E.  
LICENSE EXPIRES: 11 / 30 / 2021

DATE: 10/15/2021

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED: *[Signature]*  
11/10/2021  
St. Clair County Engineer

PASSED: 11-22-2021  
*[Signature]*  
District #8 Engineer of Local Roads & Streets

RELEASING FOR BID BASED ON LIMITED REVIEW: 11-22-2021  
*[Signature]*  
Region #5 Engineer

Collinsville: 100 Lanter Court, Suite 1, Collinsville, IL 62234, 618.345.2200  
 Belleville: 20 East Main Street, Belleville, IL 62200, 618.416.4688, www.oatesassociates.com  
 St. Louis: 720 Olive, Suite 700, St. Louis, MO 63101, 314.588.8381  
 St. Charles: 330 North Main, Suite 201, St. Charles, MO 63301, 636.493.6277  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

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CONTRACT NO. 97752

**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.

AT&T (TELEPHONE) ST. CLAIR TOWNSHIP (SANITARY SEWER)  
203 GOETHE STREET 107 SERVICE STREET  
COLLINSVILLE, IL 62234 SWANSEA, IL 62226  
(618) 346-6400 (618) 233-3437

CASEYVILLE TOWNSHIP (SANITARY SEWER) AMEREN IP (GAS & ELECTRIC)  
1 ECOLOGY DRIVE 1050 WEST BOULEVARD  
FAIRVIEW HEIGHTS, IL 62208 BELLEVILLE, IL 62221  
(618) 632-2414 (618) 236-4309

CITY OF O'FALLON (WATER & SEWER) ILLINOIS AMERICAN WATER CO. (WATER)  
255 SOUTH LINCOLN AVENUE 100 NORTH WATERWORKS DRIVE  
O'FALLON, IL 62269 BELLEVILLE, IL 62223  
(618) 624-4500 (618) 277-7450

CHARTER COMMUNICATIONS (COMMUNICATIONS)  
317 WEST MAIN STREET  
BELLEVILLE, IL 62220  
(618) 277-2288

**GENERAL**

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE LOCAL POSTMASTER FOR APPROVAL OF ALL TEMPORARY MAILBOX LOCATIONS. THE COST OF ALL MATERIALS REQUIRED AND ALL 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 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, SEED AND MULCH ALL EARTH SURFACES DISTURBED BY CONSTRUCTION. FERTILIZER, SEEDING AND MULCH WITHIN THE CONSTRUCTION LIMITS WILL BE PAID FOR AS PROVIDED IN THE CONTRACT. FERTILIZER, SEEDING AND MULCH OUTSIDE THESE LIMITS WILL NOT BE MEASURED FOR PAYMENT. SEE THE SEEDING SCHEDULE FOR ESTIMATED PLAN QUANTITIES.

WHERE TREE REMOVAL CONFLICTS WITH EXISTING UNDERGROUND UTILITIES, THE CONTRACTOR SHALL CUT THE TREE OFF AT THE GROUND LINE AND GRIND THE STUMP AS DIRECTED BY THE ENGINEER. 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 TREE REMOVAL ITEMS INCLUDED IN THE CONTRACT.

ALL EXISTING ROADWAY FEATURES INCLUDING, BUT NOT LIMITED TO, RIP RAP, WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR UNLESS NOTED OTHERWISE ON THE PLANS. ALL FEATURES WHICH ARE TO BE REMOVED AND FOR WHICH THERE IS NO SPECIFIC PAY ITEM, WILL NOT BE MEASURED SEPARATELY FOR PAYMENT AND THE COST OF THIS REMOVAL WORK SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

**EARTHWORK**

THE CONTRACTOR SHALL BENCH THE PROPOSED EMBANKMENT INTO THE EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER FROM STA 129+00 TO STA. 138+50. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR FURNISHED EXCAVATION.

THE CONTRACTOR SHALL CONTACT THE ENGINEER DURING SUBGRADE PREPARATION AND PRIOR TO SOIL MODIFICATION TO DETERMINE THE NECESSITY OF THE PROPOSED SUBGRADE IMPROVEMENT. IF THE SUBGRADE IS FOUND NOT TO REQUIRE REMEDIAL PROCEDURES, THE SOIL MODIFICATION AND MODIFIER MAY BE DELETED.

**PAVING**

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 10 FEET, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

**DRAINAGE**

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." FLARED END SECTIONS ARE LOCATED BY STATION, OFFSET AND FLOWLINE ELEVATION AT THE FLARED END OF THE FLARED END SECTION.

STORM SEWERS AND CULVERTS MAY HAVE MINIMAL DEPTH BELOW THE MODIFIED SOIL LAYER. THE CONTRACTOR SHALL TAKE WHATEVER PRECAUTIONS ARE NECESSARY TO PROTECT THE PIPES FROM DAMAGE DURING THE SOIL MODIFICATION PROCESS. IN THE EVENT THAT PIPES ARE DAMAGED, THEY SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. ALL COSTS INCURRED TO REPAIR OR REPLACE DAMAGED PIPES SHALL BE AT THE CONTRACTOR'S EXPENSE.

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.

THE CONTRACTOR SHALL INCLUDE THE COST OF MAKING CONNECTIONS TO EXISTING DRAINAGE STRUCTURES IN THE CONTRACT UNIT PRICE FOR THE STORM SEWER ITEMS INVOLVED.

ALL DRAINAGE STRUCTURES CONSTRUCTED, ADJUSTED OR RECONSTRUCTED UNDER THE CONTRACT, SHALL BE CLEANED OF ANY ACCUMULATION OF SILT, DEBRIS OR FOREIGN MATTER AT THE END OF EACH WORKING DAY AND AT THE TIME OF FINAL INSPECTION. 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 DRAINAGE STRUCTURE ITEMS INCLUDED IN THE CONTRACT.

**PAVEMENT MARKING**

THE EXISTING PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASTING AND IN A MANNER THAT DOES NOT MATERIALLY DAMAGE THE SURFACE OR TEXTURE OF THE PAVEMENT OR SURFACING. SMALL PARTICLES OF TIGHTLY ADHERING EXISTING MARKINGS MAY REMAIN IN PLACE, IF IN THE OPINION OF THE ENGINEER, COMPLETE REMOVAL OF THE SMALL PARTICLES WILL RESULT IN PAVEMENT SURFACE DAMAGE.

**APPROXIMATE QUANTITIES, SYMBOLS & ABBREVIATIONS**

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.

AGGREGATE FOR TEMPORARY ACCESS	400	TON
TEMPORARY EROSION CONTROL SEEDING	1,400	POUNDS
MAILBOX REMOVE AND REPLACE	5	EACH
POTHOLING	10	EACH

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

AD	ALGEBRAIC DIFFERENCE IN GRADE
BVCE	BEGINNING OF VERTICAL CURVE ELEVATION
BVCS	BEGINNING OF VERTICAL CURVE STATION
BO	BY OTHERS (USED IN CONJUNCTION WITH TBA & TBR)
CONSTR	CONSTRUCTION
CP	CONTROL POINT
ESMT	EASEMENT
ELEV	ELEVATION
EVCE	END OF VERTICAL CURVE ELEVATION
EVCS	END OF VERTICAL CURVE STATION
FES	FLARED END SECTION
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

**COMMITMENTS**

NONE

**HIGHWAY STANDARDS**

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-10	PAVEMENT JOINTS
420101-07	24' PCC (7.2 m) JOINTED PAVEMENT
420111-04	PCC PAVEMENT ROUNDOUTS
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
442101-09	CLASS B PATCHES
515001-04	NAME PLATE FOR BRIDGES
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" THRU 84"
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602301-04	INLET - TYPE A
602306-03	INLET - TYPE B
602401-07	PRECAST MANHOLE TYPE A 4' (1.22 M) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604006-05	FRAME AND GRATE TYPE 3
604036-03	GRATE TYPE 8
604091-05	FRAME AND GRATE TYPE 24
606001-08	CONCRTE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-12	STEEL PLATE BEAM GUARDRAIL
631026-06	TRAFFIC BARRIER TERMINAL, TYPE 5
631031-17	TRAFFIC BARRIER TERMINAL, TYPE 6
643001-02	SAND MODULE IMPACT ATTENUATORS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701501-06	URBAN LANE CLOSURE, MULTILANE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, MULTILANE, 2L, 2W, WITH BI-DIRECTIONAL LEFT TURN LANE
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BI-DIRECTIONAL LEFT TURN LANE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
720016-04	MAST ARMS MOUNTED STREET NAME SIGNS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
814001-03	HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

MIXTURE USE	INCIDENTAL HMA	HMA SURFACE
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISIONS	SEE SPECIAL PROVISIONS
DESIGN AIR VOIDS	4.0% @ NDES=70	4.0% @ NDES=70
MIX COMPOSITION (GRADATION)	IL 9.5	IL 9.5
FRICTION AGG	MIXTURE "C"	MIXTURE "C"
QUALITY MGMT PROGRAM	QC/QA	QC/QA

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PLOT DATE = 11/12/2021	DATE -	REVISED -



**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**GENERAL NOTES, COMMITMENTS & HIGHWAY STANDARDS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	2
			CONTRACT NO. 97752	
		ILLINOIS	FED. AID PROJECT	

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
Δ		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	219
Δ		20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	46
Δ		20100500	TREE REMOVAL, ACRES	ACRE	1.3
		20200100	EARTH EXCAVATION	CU YD	17,415
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	161
		20400800	FURNISHED EXCAVATION	CU YD	855
		20800150	TRENCH BACKFILL	CU YD	3,555
		21400100	GRADING AND SHAPING DITCHES	FOOT	95
Δ	•	25000200	SEEDING, CLASS 2	ACRE	8.00
Δ		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	720
Δ		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	720
Δ		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	720
Δ		25100115	MULCH, METHOD 2	ACRE	8.00
Δ		25100630	EROSION CONTROL BLANKET	SQ YD	2,285

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
Δ		25100900	TURF REINFORCEMENT MAT	SQ YD	3,874
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,600
		28000305	TEMPORARY DITCH CHECKS	FOOT	2,109
		28000400	PERIMETER EROSION BARRIER	FOOT	4,890
		28000500	INLET AND PIPE PROTECTION	EACH	137
	•	28100105	STONE RIPRAP, CLASS A3	SQ YD	309
		28100107	STONE RIPRAP, CLASS A4	SQ YD	315
		28200200	FILTER FABRIC	SQ YD	624
	•	30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	28,738
		30201500	LIME	TON	581.9
		31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	31,919
		35100300	AGGREGATE BASE COURSE, TYPE A 4"	SQ YD	89
		35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	3,363
		35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	243

Δ SPECIALTY ITEMS

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ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	3
CONTRACT NO. 97752			ILLINOIS FED. AID PROJECT	

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	223
		40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	400
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	772
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	121
		40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	1,212
		40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	11
		42000060	WELDED WIRE REINFORCEMENT	SQ YD	26,292
		42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	200
		• 42000400	PORTLAND CEMENT CONCRETE PAVEMENT 9"	SQ YD	26,110
		42001300	PROTECTIVE COAT	SQ YD	26,110
		42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	374
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	653
		42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	246
		• 42400800	DETECTABLE WARNINGS	SQ FT	30

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		44000100	PAVEMENT REMOVAL	SQ YD	1,555
		44000173	HOT-MIX ASPHALT SURFACE REMOVAL, 6"	SQ YD	3,435
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,299
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,950
		44000600	SIDEWALK REMOVAL	SQ FT	328
		44004250	PAVED SHOULDER REMOVAL	SQ YD	7,018
		44200948	CLASS B PATCHES, TYPE I, 9 INCH	SQ YD	29
		44200956	CLASS B PATCHES, TYPE II, 9 INCH	SQ YD	13
		44200962	CLASS B PATCHES, TYPE III, 9 INCH	SQ YD	92
		44213200	SAW CUTS	FOOT	1,217
		50102400	CONCRETE REMOVAL	CU YD	8.3
		50104720	REMOVAL OF EXISTING CONCRETE DECK	EACH	1
		• 50105220	PIPE CULVERT REMOVAL	FOOT	1,086
		50200100	STRUCTURE EXCAVATION	CU YD	330

△ SPECIALTY ITEMS

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PLOT DATE = 11/12/2023

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ST. CLAIR COUNTY DEPARTMENT  
OF ROADS AND BRIDGES

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97752	

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		50300225	CONCRETE STRUCTURES	CU YD	83
		50300255	CONCRETE SUPERSTRUCTURE	CU YD	274.2
		50300260	BRIDGE DECK GROOVING	SQ YD	1,063
		50300300	PROTECTIVE COAT	SQ YD	1,395
		50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	203
		50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1
		50500505	STUD SHEAR CONNECTORS	EACH	948
		50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	146,670
		50800515	BAR SPLICERS	EACH	578
		50800530	MECHANICAL SPLICERS	EACH	26
Δ		50901720	BICYCLE RAILING	FOOT	151
Δ		50901750	PARAPET RAILING	FOOT	147
Δ		50901760	PIPE HANDRAIL	FOOT	20
		51201400	FURNISHING STEEL PILES HP10X42	FOOT	480

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		51202305	DRIVING PILES	FOOT	480
		51203400	TEST PILE STEEL HP10X42	EACH	2
		51204650	PILE SHOES	EACH	10
		51500100	NAME PLATES	EACH	1
		52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	10
		52100520	ANCHOR BOLTS, 1"	EACH	12
		52200010	TEMPORARY SHEET PILING	SQ FT	433
		52200700	PRECAST MODULAR RETAINING WALL	SQ FT	700
		54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	6
		54010502	PRECAST CONCRETE BOX CULVERTS 5' X 2'	FOOT	249
		54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	11
		54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4
		54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	6
		54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	4

Δ SPECIALTY ITEMS

MODEL: Detail FILE NAME: I:\P\17032 - FSPE WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\17032-PI-500.dgn



USER NAME = scott.feldt	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 11/12/2021	CHECKED -	REVISED -
	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	5
			CONTRACT NO. 97752	
			ILLINOIS FED. AID PROJECT	

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		54214719	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 24"	EACH	3
		54248510	CONCRETE COLLAR	CU YD	2.0
		54260315	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION	FOOT	66
		542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	63
		542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	62
		• 550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	6,106
		• 550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	3,202
		• 550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	1,617
		550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	318
		• 55100500	STORM SEWER REMOVAL 12"	FOOT	1,277
		• 55100900	STORM SEWER REMOVAL 18"	FOOT	162
		58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	299
		59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	133
		60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		60100925	PIPE DRAINS 8"	FOOT	10
		60146306	PIPE UNDERDRAINS FOR STRUCTURES 6"	FOOT	216
		60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	18
		60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	3
		60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1
		60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	29
		• 60220200	MANHOLES, TYPE A, 4'-DIAMETER	EACH	1
		60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	3
		60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	6
		60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	8
		60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	22
		60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	4
		60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	2
		60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	EACH	34

Δ SPECIALTY ITEMS

MODEL: Default  
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USER NAME = scott.feldt	DESIGNED -	REVISED -
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	DATE -	REVISED -



**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	6
CONTRACT NO. 97752			ILLINOIS FED. AID PROJECT	

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		60240395	INLETS, TYPE B	EACH	11
		60500060	REMOVING INLETS	EACH	18
		60600605	CONCRETE CURB, TYPE B	FOOT	22
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	15,330
		61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	60
		61100605	MISCELLANEOUS CONCRETE	CU YD	1
Δ		63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	850.0
Δ		63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	2
Δ		63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2
Δ		63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
		63200310	GUARDRAIL REMOVAL	FOOT	899
		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	24
		67100100	MOBILIZATION	LSUM	1
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	5,116

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,725
		70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	48
		70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	76,471
		70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	34
		70400100	TEMPORARY CONCRETE BARRIER	FOOT	203
		70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	203
		70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2
		70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2
Δ		72000100	SIGN PANEL - TYPE 1	SQ FT	124.0
Δ		72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	7
Δ		72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	11
Δ		72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
Δ		72900200	METAL POST - TYPE B	FOOT	387.5
Δ		78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	967.2

Δ SPECIALTY ITEMS

MODEL: Desktop FILE NAME: H:\P17032 - TSPB WIDENING PHASE 2\CADD\Miscellaneous\CADD Drawings\17032-SPB-500.dwg



USER NAME = scott.feldt	DESIGNED -	REVISED -
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ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

SUMMARY OF QUANTITIES

SCALE: SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	7
CONTRACT NO. 97752			ILLINOIS FED. AID PROJECT	

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
Δ		78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	26,900
Δ		78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	247
Δ		78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	164
Δ		78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	644
Δ		78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	16
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	114
		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	37,533
Δ		81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	98
Δ		81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	533
Δ		81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	11
Δ		81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	118
Δ		81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	6
Δ		87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	694
Δ		87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	907

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
Δ		87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3,087
Δ		87301900	ELECTRICT CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	3,624
Δ		87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
Δ		87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
Δ		87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26
Δ		88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
Δ		88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	1
Δ		88200100	TRAFFIC SIGNAL BACKPLATE	EACH	2
Δ		88600100	DETECTOR LOOP, TYPE I	FOOT	340
Δ	•	88600600	DETECTOR LOOP REPLACEMENT	FOOT	589
Δ		89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	5
Δ		89502200	MODIFY EXISTING CONTROLLER	EACH	1
Δ		89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2,410
Δ	•	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2

Δ SPECIALTY ITEMS

MODEL: Ddbaur  
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USER NAME = scott.felst	DESIGNED -	REVISED -
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**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	8
CONTRACT NO. 97752			ILLINOIS FED. AID PROJECT	



SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
Δ		89502380	REMOVE EXISTING HANDHOLE	EACH	6
Δ		89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
		• Z0004552	APPROACH SLAB REMOVAL	SQ YD	300
		• Z0012450	CONCRETE STEPS	CU YD	2
		• Z0018911	DRILL AND GROUT #6 TIE BARS	EACH	4,774
		• Z0022800	FENCE REMOVAL	FOOT	448
		• Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	397
		• Z0056652	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 18"	FOOT	750
		• Z0056654	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 24"	FOOT	1,185
#		• Z0076600	TRAINEES	HOUR	1,500
#	*	<del>Z0076604</del>	<del>TRAINEES TRAINING PROGRAM GRADUATE</del>	<del>HOUR</del>	<del>1,500</del>
		• X0327301	RELOCATE EXISTING MAILBOX	EACH	15
		• X0327902	MAILBOX REMOVE AND REPLACE	EACH	5
		• X0488100	REMOVING EXISTING SEPTIC TANK	EACH	1
		• X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	241

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		• X1200050	BOX CULVERT REMOVAL	FOOT	120
		• X1700066	POTHOLING	EACH	10
Δ		• X2200003	FENCE (SPECIAL)	FOOT	117
		• X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1
Δ		• X8140115	HANDHOLE TO BE ADJUSTED	EACH	3
Δ		• X8950450	REMOVE EXISTING UNDERGROUND CONDUIT	FOOT	635

#0042

Δ SPECIALTY ITEMS

MODEL: Default  
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	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

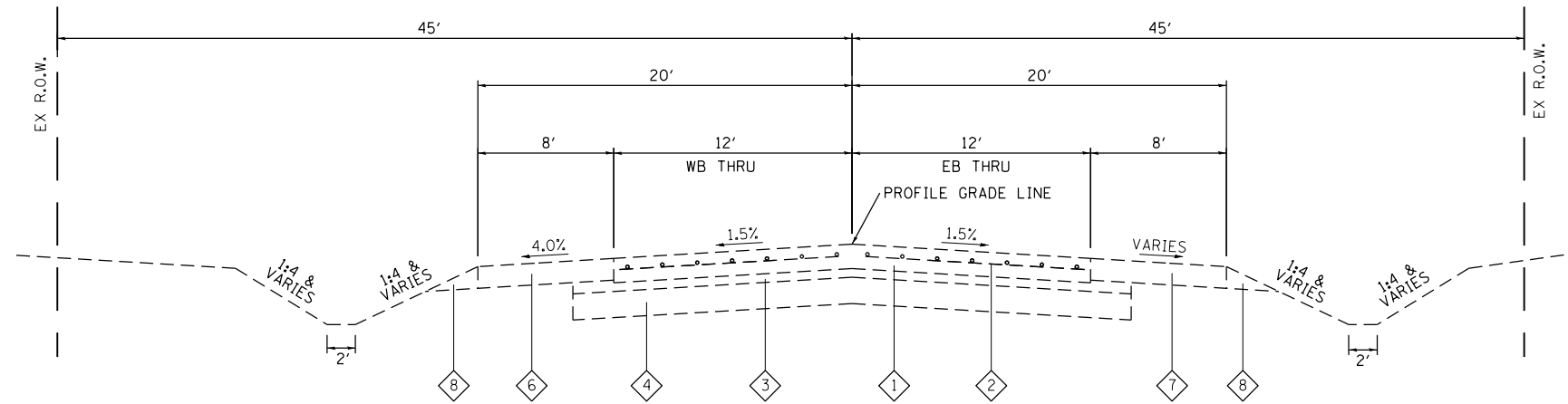
SUMMARY OF QUANTITIES

SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	9
CONTRACT NO. 97752			ILLINOIS FED. AID PROJECT	

**TYPICAL SECTION LEGEND**

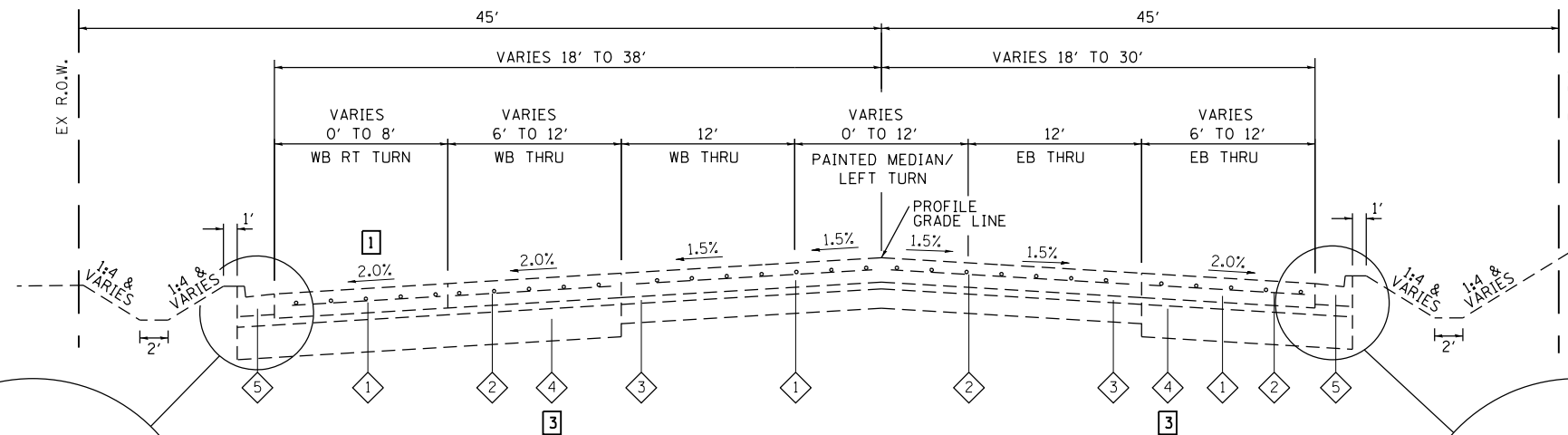
- 1 EXISTING PCC PAVEMENT, 9"
- 2 EXISTING PAVEMENT FABRIC
- 3 EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
- 4 EXISTING MODIFIED SOIL, 12"
- 5 EXISTING CONCRETE CURB & GUTTER, TYPE B-6.24
- 6 EXISTING BITUMINOUS SHOULDERS
- 7 EXISTING AGGREGATE SHOULDER WITH BITUMINOUS SURFACE TREATMENT
- 8 EXISTING AGGREGATE WEDGE



**EXISTING TYPICAL SECTION**

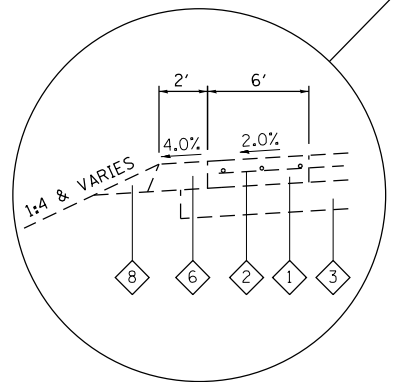
STA 61+59.56 TO STA 66+61.93 LT  
 STA 62+87.79 TO STA 66+61.50 RT  
 STA 78+99.72 TO STA 101+45.25 LT  
 STA 78+99.72 TO STA 102+51.30 RT

- 1 STA. 57+40.00 TO STA. 58+85.96 - 2.5%
- 2 STA. 61+46.68 TO STA. 62+31.20 - VARIES 4' TO 3'  
 STA. 62+31.20 TO STA. 62+87.79 - 0'
- 3 AGGREGATE BASE COURSE TYPE A 12" WAS USED IN LIEU OF PROCESSING MODIFIED SOIL 12" WHERE PROPOSED PAVEMENT WIDENING WAS LESS THAN 12'.

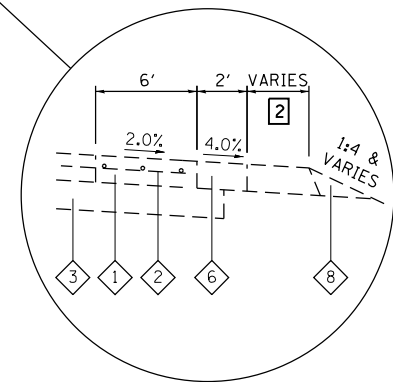


**EXISTING TYPICAL SECTION**

STA 58+85.96 TO STA 61+59.56 LT  
 STA 57+40.00 TO STA 62+87.79 RT



STA 60+77.24 TO STA 61+59.56 LT



STA 61+44.60 TO STA 62+87.79 RT

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USER NAME = scott.feltd	DESIGNED -	REVISED -
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PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

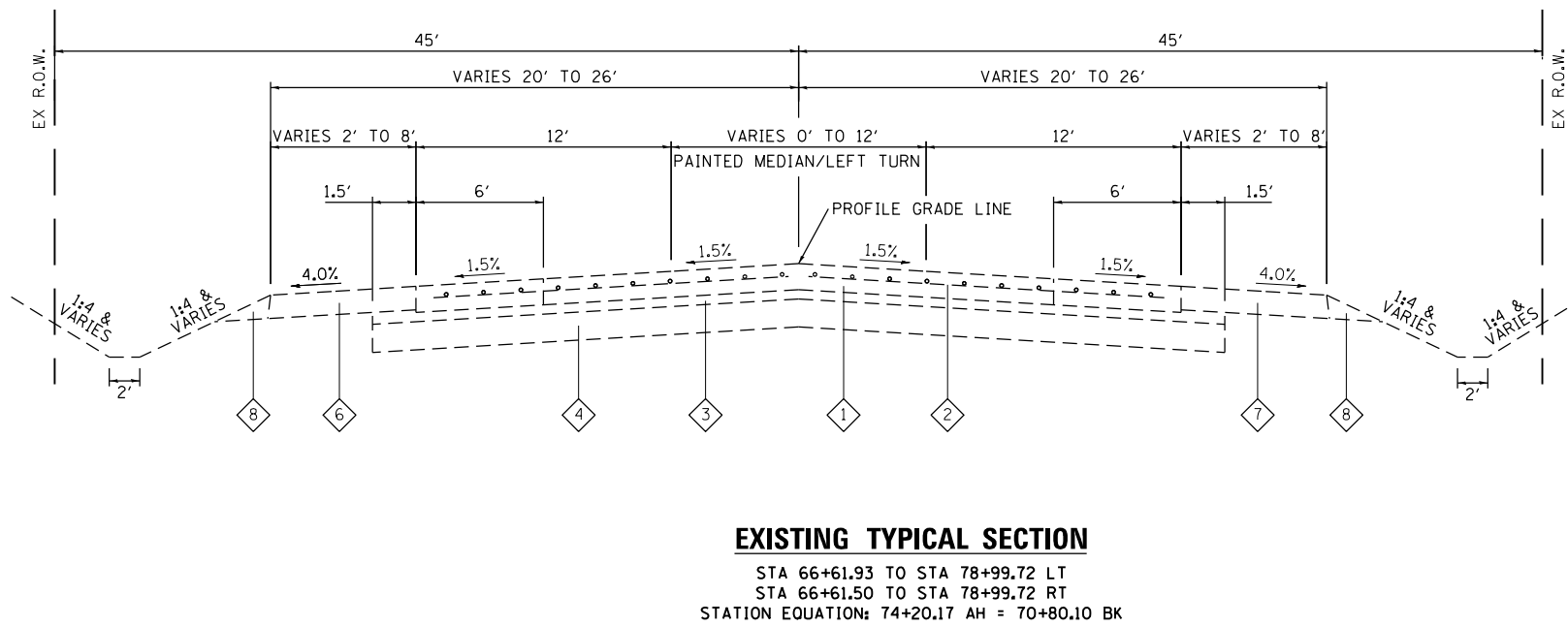
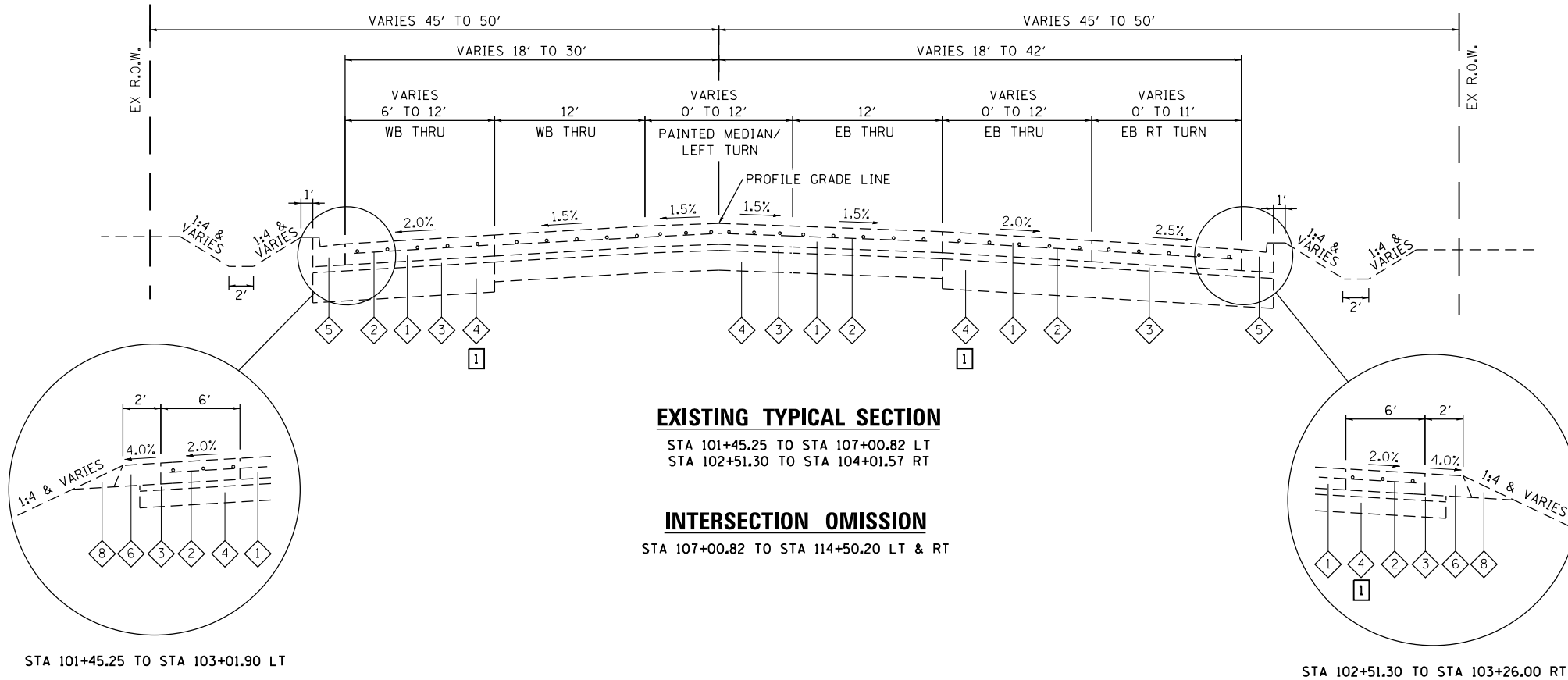


<b>EXISTING TYPICAL SECTIONS</b>			
SCALE:	SHEET NO. 1 OF 4 SHEETS	STA. 57+50.00 TO STA. 102+51.30	

F.A.U. RTE. 9330	SECTION 13-00301-15-PW	COUNTY ST. CLAIR	TOTAL SHEETS 251	SHEET NO. 10
CONTRACT NO. 97752			ILLINOIS FED. AID PROJECT	

**TYPICAL SECTION LEGEND**

- 1 EXISTING PCC PAVEMENT, 9"
  - 2 EXISTING PAVEMENT FABRIC
  - 3 EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
  - 4 EXISTING MODIFIED SOIL, 12"
  - 5 EXISTING CONCRETE CURB & GUTTER, TYPE B-6.24
  - 6 EXISTING BITUMINOUS SHOULDERS
  - 7 EXISTING AGGREGATE SHOULDER WITH BITUMINOUS SURFACE TREATMENT
  - 8 EXISTING AGGREGATE WEDGE
- 1 AGGREGATE BASE COURSE TYPE A 12" WAS USED IN LIEU OF PROCESSING MODIFIED SOIL 12" WHERE PROPOSED PAVEMENT WIDENING WAS LESS THAN 12'.



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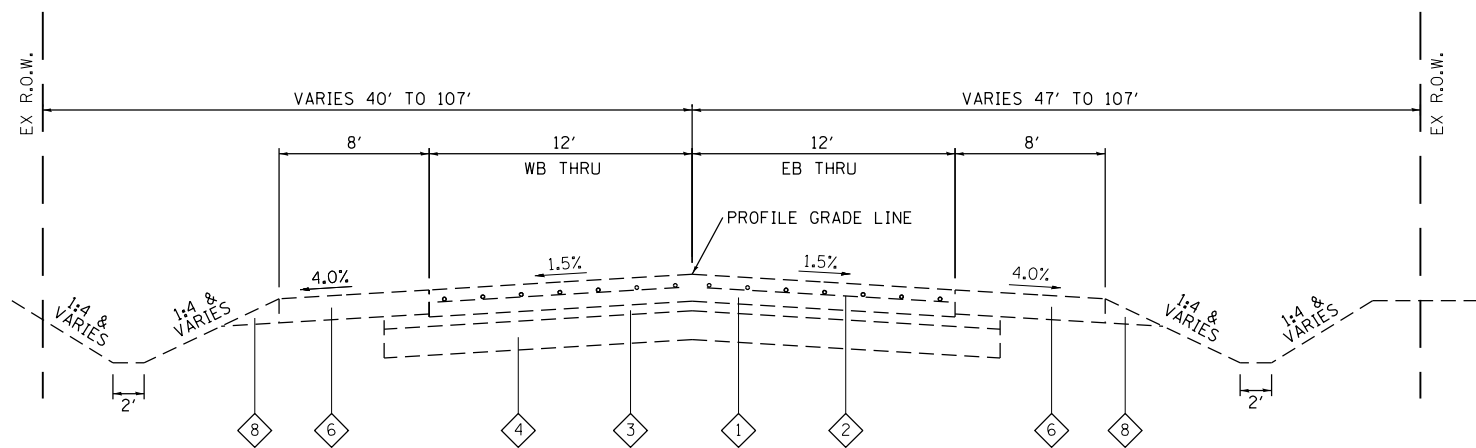
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PLOT SCALE = 2,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

<b>EXISTING TYPICAL SECTIONS</b>	
SCALE:	SHEET NO. 2 OF 4 SHEETS STA. 66+61.50 TO STA. 107+00.82

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	11
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



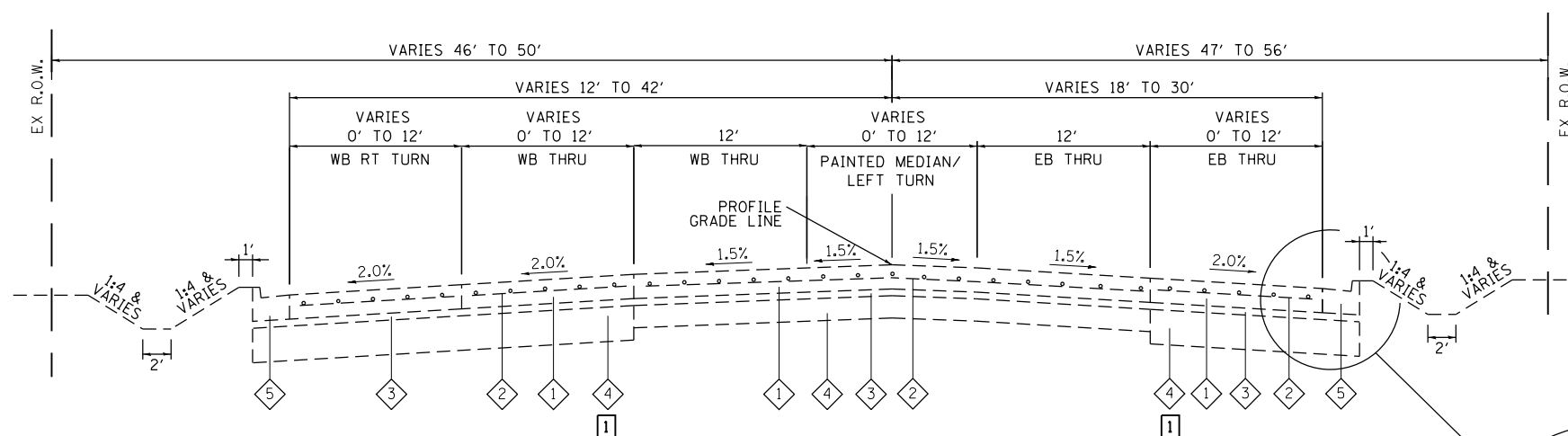
**EXISTING TYPICAL SECTION**

STA 118+65.62 TO STA 134+84.68 LT  
 STA 120+05.10 TO STA 134+84.68 RT

**TYPICAL SECTION LEGEND**

- 1 EXISTING PCC PAVEMENT, 9"
- 2 EXISTING PAVEMENT FABRIC
- 3 EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
- 4 EXISTING MODIFIED SOIL, 12"
- 5 EXISTING CONCRETE CURB & GUTTER, TYPE B-6.24
- 6 EXISTING BITUMINOUS SHOULDERS
- 7 EXISTING AGGREGATE SHOULDER WITH BITUMINOUS SURFACE TREATMENT
- 8 EXISTING AGGREGATE WEDGE

1 AGGREGATE BASE COURSE TYPE A 12" WAS USED IN LIEU OF PROCESSING MODIFIED SOIL 12" WHERE PROPOSED PAVEMENT WIDENING WAS LESS THAN 12".

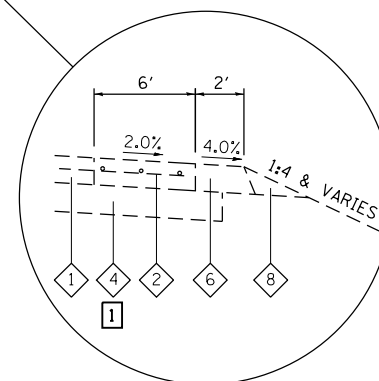


**EXISTING TYPICAL SECTION**

STA 115+36.27 TO STA 118+65.62 LT  
 STA 114+50.20 TO STA 120+05.10 RT

**INTERSECTION OMISSION**

STA 107+00.82 TO STA 114+50.20 LT & RT



STA 118+13.82 TO STA 120+05.10 RT

MODEL: E:\Typical\03  
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USER NAME = scott.felot  
 PLOT SCALE = 2,000' / in.  
 PLOT DATE = 10/18/2021

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DATE -	REVISED -



**ST. CLAIR COUNTY DEPARTMENT  
 OF ROADS AND BRIDGES**

**EXISTING TYPICAL SECTIONS**

SCALE: SHEET NO. 3 OF 4 SHEETS STA. 114+50.20 TO STA. 149+62.25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	12
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

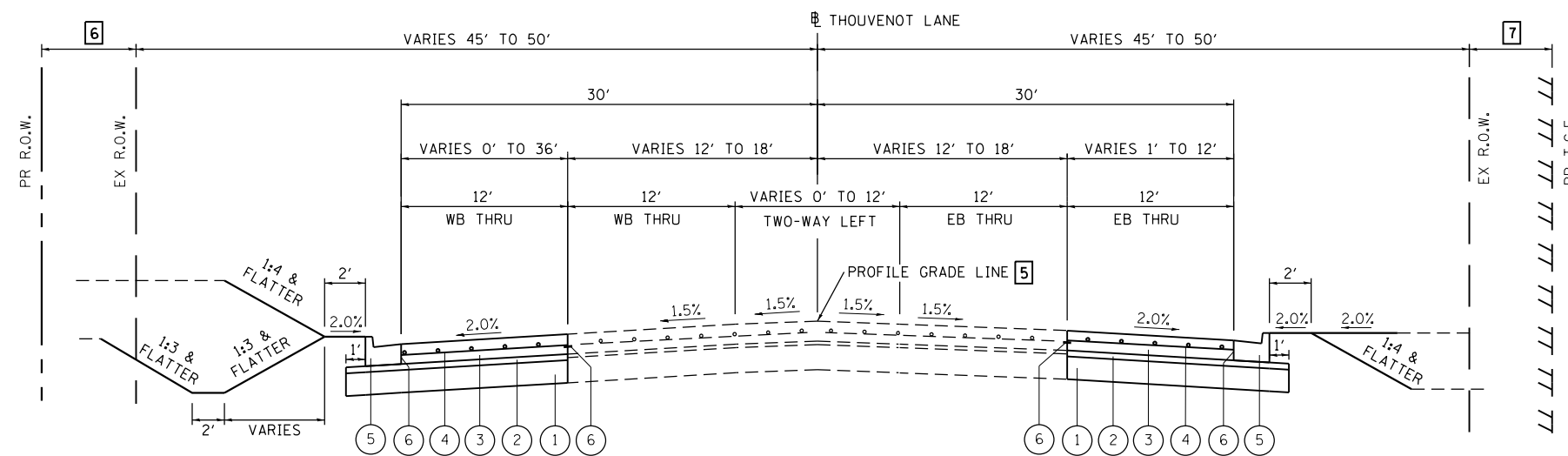


**TYPICAL SECTION LEGEND**

- ① PROPOSED PROCESSING MODIFIED SOIL, 12"
- ② PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A, 4"
- ③ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT, 9"
- ④ PROPOSED WELDED WIRE REINFORCEMENT
- ⑤ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ PROPOSED DRILL AND GROUT #6 TIE BARS

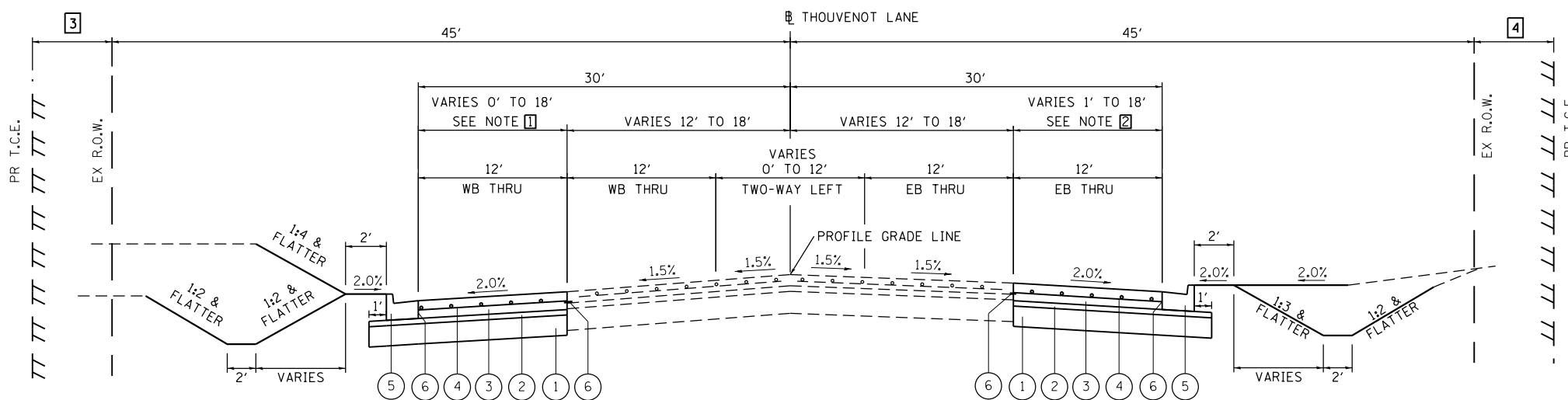
NOTES: AGGREGATE BASE COURSE TYPE A 12" TO BE USED IN LIEU OF PROCESSING MODIFIED SOIL 12" WHERE PROPOSED PAVEMENT CC&G WIDTH IS LESS THAN 12'.

- ① STA 58+85.96 TO STA 59+02.81 - 0'  
STA 59+02.81 TO STA 61+59.56 - VARIES 1'-12'  
STA 61+59.56 TO STA 66+61.93 - 18'  
STA 66+61.93 TO STA 77+00.00 - 12'
- ② STA 57+40.00 TO STA 57+90.71 - 0'  
STA 57+90.71 TO STA 61+44.46 - VARIES 1'-12'  
STA 61+44.46 TO STA 62+87.85 - 12'  
STA 62+87.85 TO STA 66+61.50 - 18'  
STA 66+61.50 TO STA 77+00.00 - 12'
- ③ STA 59+95.25 TO STA 63+55.00 - 5'  
STA 63+55.00 TO STA 63+88.72 - 10'
- ④ STA 59+76.84 TO STA 60+50.00 - 10'  
STA 69+70.00 TO STA 70+06.42 - 15'
- ⑤ PROFILE GRADE LINE SHIFTS SOUTH FROM STA 77+00.00 TO 82+46.74 TO AN OFFSET OF 18' AND SHIFTS NORTH FROM STA 101+08.37 TO STA 106+51.79 FROM AN OFFSET OF 18'
- ⑥ STA 78+00.00 TO STA 81+00.00 - VARIES 0'-25.3'  
STA 81+00.00 TO STA 82+46.74 - VARIES 25.3'-27.9'  
STA 101+08.37 TO STA 106+00.00 - VARIES 20.3'-0'
- ⑦ STA 77+00.00 TO STA 77+50.00 - VARIES 0'-30'



**PROPOSED TYPICAL SECTION**

STA 77+00.00 TO STA 82+46.74 LT/RT  
STA 101+08.37 TO STA 104+01.57 RT  
STA 101+08.37 TO STA 107+00.82 LT



**PROPOSED TYPICAL SECTION**

STA 58+85.96 TO ST 77+00.00 LT  
STA 57+40.00 TO STA 77+00.00 RT  
STATION EQUATION: STA 74+20.17 AH = STA 70+80.10 BK

STRUCTURAL DESIGN TRAFFIC:	YEAR: 2041	
PV = 25,508	SU = 805	MU = 537
ROAD/STREET CLASSIFICATION:	CLASS: I	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:		
P = 32%	S = 45%	M = 45%
TRAFFIC FACTOR:	ACTUAL = 3.79	
	MIN = NO MIN	
STRUCTURAL SUPPORT RATING:		
SSR = POOR		
USE:	9" PCC PAVEMENT WITH WELDED WIRE REINFORCEMENT 4" SUBBASE GRANULAR MATERIAL, TYPE A 12" PROCESSING MODIFIED SOIL	
CONSTRUCT TRANSVERSE JOINTS IN PAVEMENT AND IN CURB AND GUTTER IN PROLONGATION WITH EXISTING TRANSVERSE JOINTS AND AT MID-PANEL OR IN PROLONGATION WITH THE EXISTING MID-PANEL CRACK, AS DIRECTED BY THE ENGINEER.		

MODEL: PR\_Typical\_01  
FILE NAME: 10/17/2021 - ESSE WIDENING PHASE 2\CADD\Microstation\CADD\_Drawing\17032-shcstypical.dgn  
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



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ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

**PROPOSED TYPICAL SECTIONS**

SCALE: SHEET NO. 1 OF 3 SHEETS STA. 57+50.00 TO STA. 107+00.52

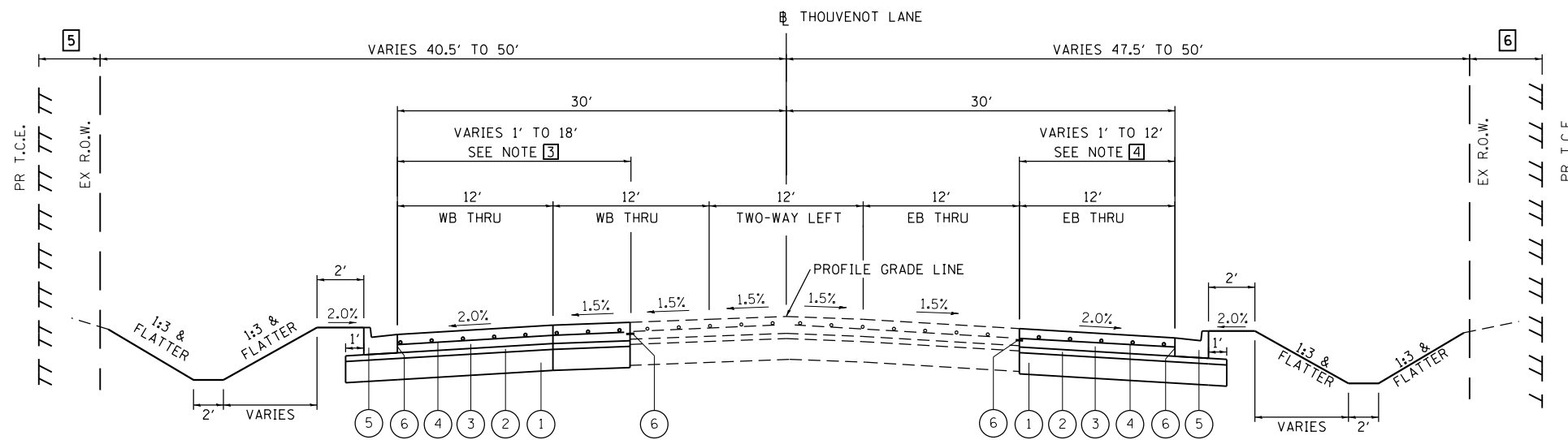
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	14
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

**TYPICAL SECTION LEGEND**

- ① PROPOSED PROCESSING MODIFIED SOIL, 12"
- ② PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A, 4"
- ③ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT, 9"
- ④ PROPOSED WELDED WIRE REINFORCEMENT
- ⑤ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ PROPOSED DRILL AND GROUT #6 TIE BARS

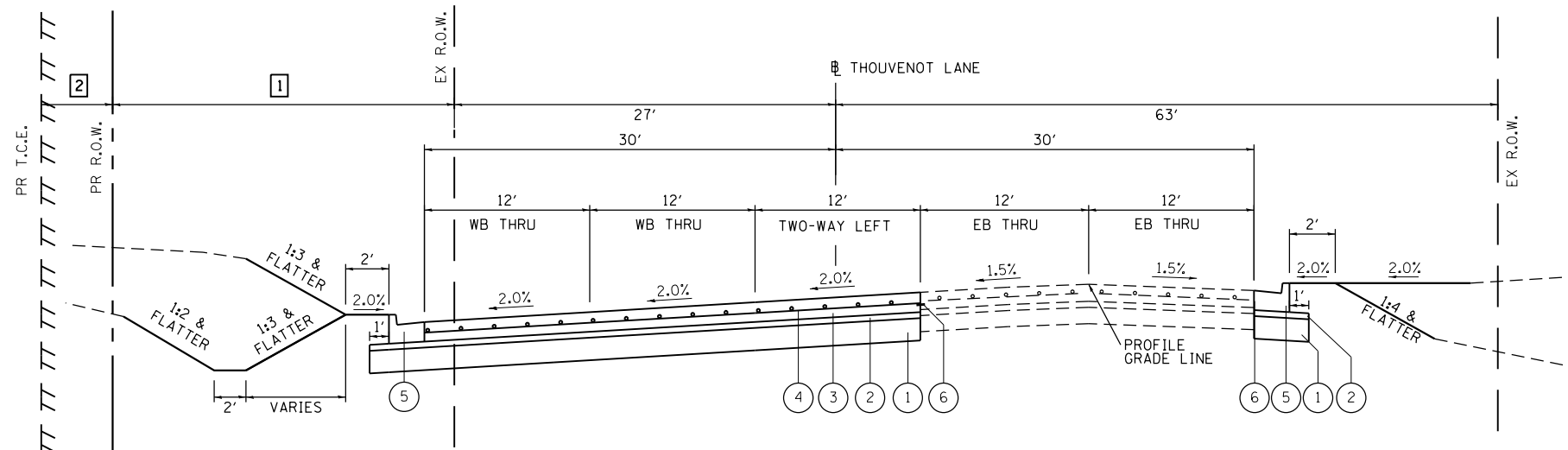
NOTES: AGGREGATE BASE COURSE TYPE A 12" TO BE USED IN LIEU OF PROCESSING MODIFIED SOIL 12" WHERE PROPOSED PAVEMENT CC&G WIDTH IS LESS THAN 12".

- ① STA 82+46.74 TO STA 82+50.00 - VARIES 27.9'-28'  
STA 82+50.00 TO STA 83+70.00 - VARIES 28'-38'  
STA 83+70.00 TO STA 85+00.00 - 38'  
STA 85+00.00 TO STA 85+50.00 - VARIES 38'-13'  
STA 85+50.00 TO STA 88+57.75 - 13'  
STA 88+57.75 TO STA 91+50.00 - VARIES 18'-23'  
STA 91+50.00 TO STA 94+00.00 - 23'  
STA 94+00.00 TO STA 96+00.00 - VARIES 23'-33'  
STA 96+00.00 TO STA 101+08.37 - VARIES 33'-20.3'
- ② STA 86+30.00 TO STA 88+57.75 - VARIES 0'-35'  
STA 91+90.00 TO STA 92+30.00 - VARIES 0'-15'
- ③ STA 114+50.00 TO STA 115+36.27 - 0'  
STA 115+36.27 TO STA 118+65.62 - VARIES 1'-18'  
STA 118+65.62 TO STA 120+05.10 - 18'
- ④ STA 115+18.55 TO STA 118+98.39 - VARIES 1'-12'  
STA 118+98.39 TO STA 120+05.10 - 12'
- ⑤ STA 118+96.24 TO STA 120+00.00 - VARIES 10'-0'
- ⑥ STA 116+85.00 TO STA 117+50.00 - VARIES 0'-12.8'
- ⑦ STA 83+68.4 TO STA 84+08.4 - COMPLETE PAVEMENT REPLACEMENT. SEE STAGING PLANS FOR DETAILS



**PROPOSED TYPICAL SECTION**  
STA 114+50.20 TO STA 120+05.10 LT/RT

**INTERSECTION OMISSION**  
STA 107+00.82 TO STA 114+50.20 LT/RT



**PROPOSED TYPICAL SECTION**  
STA 82+46.74 TO STA 101+08.37 LT/RT ⑦

MODEL PR Typicals 02  
FILE NAME: 10/17/2021 - ES&E WIDENING PHASE 2\CADD\Microstation\CADD\_Drawing\17032-shc\typical.dgn



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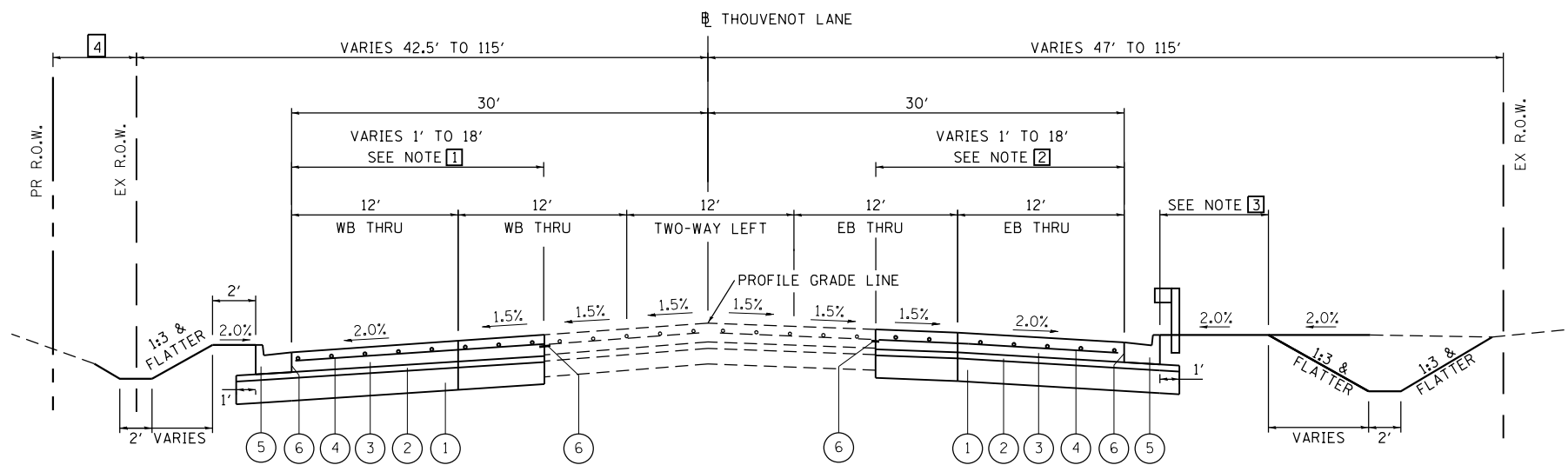


<b>PROPOSED TYPICAL SECTIONS</b>	
SCALE:	SHEET NO. 2 OF 3 SHEETS STA. 82+46.74 TO STA. 120+05.10

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	15
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

**TYPICAL SECTION LEGEND**

- ① PROPOSED PROCESSING MODIFIED SOIL, 12"
- ② PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A, 4"
- ③ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT, 9"
- ④ PROPOSED WELDED WIRE REINFORCEMENT
- ⑤ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ PROPOSED DRILL AND GROUT #6 TIE BARS



NOTES: AGGREGATE BASE COURSE TYPE A 12" TO BE USED IN LIEU OF PROCESSING MODIFIED SOIL 12" WHERE PROPOSED PAVEMENT CC&G WIDTH IS LESS THAN 12'.

- ① STA 120+05.10 TO STA 137+35.00 - 18'  
STA 137+35.00 TO STA 148+14.17 - VARIES 1'-18'  
STA 148+14.17 TO STA 149+62.25 - 18'
- ② STA 120+05.10 TO STA 137+03.65 - 18'  
STA 137+03.65 TO STA 146+83.74 - VARIES 12'-18'  
STA 146+83.74 TO STA 149+62.25 - 18'
- ③ STA 120+05.10 TO STA 128+50.00 - 2'  
STA 128+50.00 TO STA 143+00.00 - 8'  
STA 143+00.00 TO STA 147+50.00 - 2'  
STA 147+50.00 TO STA 149+62.25 - 8'
- ④ STA 126+00.00 TO STA 133+71.44 - VARIES 0'-25'

**PROPOSED TYPICAL SECTION**

STA 120+05.10 TO STA 142+62.25 LT  
STA 120+05.10 TO STA 142+62.25 RT  
REFER TO BRIDGE PLANS - STA 134+84.68 TO STA 136+38.93 LT & RT

MODEL PR TypicSec 03  
FILE NAME: 10/11/2021 - ES&E WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\17032-shcstypicsec.dgn



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**ST. CLAIR COUNTY DEPARTMENT  
OF ROADS AND BRIDGES**

**PROPOSED TYPICAL SECTIONS**

SCALE: SHEET NO. 3 OF 3 SHEETS STA. 120+05.10 TO STA. 149+62.25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	16
CONTRACT NO. 97752			ILLINOIS FED. AID PROJECT	



**PAVEMENT**

STATION	STATION	OFFSET	PROCESS MOD SOIL 12 (SO YD)	LIME (TON)	SUB GRAN MAT A 4 (SO YD)	AGG BASE CSE A 12 (SO YD)	AGG BSE CSE B 6 (SO YD)	BIT MATLS PR CT (POUND)	BIT MATLS TACK CT (POUND)	HMA SC IL9.5 C N70 (TON)	HMA SURF REM 6 (SO YD)	WELDED WIRE REINF (SO YD)	PVT CON PCC BR APP SL (SO YD)	PCC PVT 9 (SO YD)	PROTECTIVE COAT (SO YD)	PAVED SHLD REMOVAL (SO YD)	CL B PATCH T1 9 (SO YD)	CL B PATCH T2 9 (SO YD)	CL B PATCH T3 9 (SO YD)	SAW CUTS (FOOT)	DRILL-GROUT #6 T-BAR (EACH)
60+10	75+79	LT/RT	4,747	96.1	5,279	415		62		92	290	4,252		4,185	4,185	1,346	4	7	56	570	1,030
75+79	95+52	LT/RT	7,644	154.8	8,988	1,464	177	190	80	344	844	7,561		7,501	7,501	999	12			144	911
95+52	107+00	LT/RT	3,572	72.3	4,039	644		97		145	430	3,467		3,433	3,433	543	10	6	18	321	461
114+50	128+26	LT/RT	5,100	103.3	5,546	447		124		185	548	4,416		4,395	4,395	656	3		18	182	948
128+26	143+08	LT/RT	5,581	113.0	5,768			200		299	887	4,705	200	4,705	4,705	2,150					988
143+08	149+62	LT/RT	2,094	42.4	2,299	393		99		147	436	1,891		1,891	1,891	1,324					436
<b>TOTAL</b>			<b>28,738</b>	<b>581.9</b>	<b>31,919</b>	<b>3,363</b>	<b>177</b>	<b>772</b>	<b>80</b>	<b>1,212</b>	<b>3,435</b>	<b>26,292</b>	<b>200</b>	<b>26,110</b>	<b>26,110</b>	<b>7,018</b>	<b>29</b>	<b>13</b>	<b>92</b>	<b>1,217</b>	<b>4,774</b>

**PAVEMENT NOTES:**

- APPLICATION RATES USED FOR QUANTITY ESTIMATES ARE AS FOLLOWS:  
 LIME: 0.06075 TON/CU YD (4%)  
 HMA SC: 0.056 TON/SQ YD/IN  
 PRIME COAT: 0.025 LB/SQ FT (HMA LIFT)  
 TACK COAT: 0.05 LB/SQ FT
- PAVEMENT QUANTITIES INCLUDE MATERIALS FOR BENCHMARK CENTRE DRIVE, STONE FALLS DRIVE, BRISTOL HILL DRIVE, CEDARWOOD TRAIL, CROMWELL LANE AND FOUNTAIN LAKES DRIVE.
- PAVED SHOULDER REMOVAL INCLUDES REMOVAL OF STAGE 2 TEMPORARY HMA WIDENING.

**SEEDING**

STATION	STATION	OFFSET	SEEDING C 2 (ACRE)	NITROGEN FERT NUTR (NOTE 1) (POUND)	PHOSPHORUS FERT NUTR (NOTE 1) (POUND)	POTASSIUM FERT NUTR (NOTE 1) (POUND)	MULCH METHOD 2 (NOTE 1) (ACRE)	TEMP EROS CONTR SEED (NOTE 2) (POUND)
57+50	75+79	LT/RT	1.00	90	90	90	1.00	200
75+79	95+52	LT/RT	1.00	90	90	90	1.00	200
95+52	107+00	LT/RT	1.00	90	90	90	1.00	200
114+50	128+26	LT/RT	1.00	90	90	90	1.00	200
128+26	143+08	LT/RT	3.00	270	270	270	3.00	600
143+08	149+62	LT/RT	1.00	90	90	90	1.00	200
<b>TOTAL</b>			<b>8.00</b>	<b>720</b>	<b>720</b>	<b>720</b>	<b>8.00</b>	<b>1,600</b>

**GUARDRAIL**

STATION	STATION	OFFSET	SPBGR TY A 6FT POSTS (FOOT)	TRAF BAR TERM T5 (EACH)	TRAF BAR TERM T6 (EACH)	TR BAR TRM T1 SPL TAN (EACH)	TERMINAL MARKER DA (EACH)	GRDRAIL REF TYPE A (EACH)
131+96	134+84	RT	212.5		1	1	1	4
132+19	135+00	LT	212.5	1		1	1	4
136+39	139+03	RT	212.5	1		1	1	4
136+24	139+27	LT	212.5		1	1	1	4
<b>TOTAL</b>			<b>850.0</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>16</b>

**EROSION CONTROL**

STATION	STATION	OFFSET	EROSION CONTR BLANKET (SY YD)	TURF REINF MAT (SO YD)	TEMP DITCH CHECKS (FOOT)	PERIMETER EROS BAR (FOOT)	STONE RIPRAP CL A3 (SO YD)	FILTER FABRIC (SO YD)	INLET & PIPE PROTECTION (EACH)
60+10	75+79	LT/RT	851		151	213			31
75+79	95+52	LT/RT	114	339	220	1,643	180	180	35
95+52	107+00	LT/RT	167		22	1,630			15
114+50	128+26	LT/RT	543	1,932	572	751	37	37	28
128+26	143+08	LT/RT	318	1,395	957	150	92	92	20
143+08	149+62	LT/RT	292	208	187	503			8
<b>TOTAL</b>			<b>2,285</b>	<b>3,874</b>	<b>2,109</b>	<b>4,890</b>	<b>309</b>	<b>309</b>	<b>137</b>

**EROSION CONTROL NOTES:**

- THE QUANTITY FOR TEMPORARY EROSION CONTROL SEEDING ASSUMES TWO SEPARATE APPLICATIONS AT A RATE OF 100 POUNDS/ACRE PER APPLICATION. THE CONTRACTOR SHALL APPLY AS NECESSARY AND AS DIRECTED BY THE ENGINEER IN THE FIELD.

**RAISED REFLECTIVE PAVEMENT MARKERS**

STATION	STATION	COMMENT	RAISED REFL PAVT MKR (EACH)	RAISED REF PVT MK REM (EACH)
57+49	75+79	ONE-WAY CRYSTAL	36	18
57+49	75+79	TWO-WAY AMBER	70	
75+79	95+52	ONE-WAY CRYSTAL	50	25
75+79	95+52	TWO-WAY AMBER	100	
75+79	107+00	ONE-WAY CRYSTAL	28	15
75+79	107+00	TWO-WAY AMBER	54	
115+85	128+26	ONE-WAY CRYSTAL	32	16
115+85	128+26	TWO-WAY AMBER	62	
128+26	142+58	ONE-WAY CRYSTAL	37	19
128+56	142+58	TWO-WAY AMBER	71	
143+64	158+91	ONE-WAY CRYSTAL	36	21
143+64	158+91	TWO-WAY AMBER	68	
<b>TOTAL</b>			<b>644</b>	<b>114</b>

**TREE REMOVAL**

STATION	STATION	OFFSET	TREE REMOV 6-15 (UNIT)	TREE REMOV OVER 15 (UNIT)	TREE REMOV ACRES (ACRE)
57+50	75+79	LT			
75+79	95+52	LT	12	46	0.3
95+52	107+00	LT			
114+50	128+26	LT			0.1
128+26	143+08	LT/RT	144		0.6
143+08	149+62	LT	63		0.3
<b>TOTAL</b>			<b>219</b>	<b>46</b>	<b>1.3</b>

**CURB & GUTTER**

STATION	STATION	OFFSET	COMB CURB GUTTER REM (FOOT)	CONC CURB TB (FOOT)	COMB CC&G TB6.24 (FOOT)
57+50	95+27	RT	447		3,443
58+86	59+55	LT	87		84
59+85	63+60	LT	132		428
63+86	75+47	LT	64		809
76+18	107+01	LT	431		3,089
95+83	104+02	RT	118		822
114+78	117+49	RT	245		263
115+71	115+97	LT	28		28
116+38	117+76	LT	132		144
117+85	121+06	RT	77		371
118+03	118+58	LT	65		73
118+86	142+81	LT	84		2,285
121+39	124+53	RT			353
124+81	127+81	RT			352
128+18	128+32	RT		22	
128+23	149+62	RT			2,139
143+63	149+62	LT			599
HARTMAN LANE STUB OUT			40		48
<b>TOTAL</b>			<b>1,950</b>	<b>22</b>	<b>15,330</b>

**SIDEWALK**

STATION	STATION	OFFSET	PC CONC SIDEWALK 4 (NOTE 1) (SO FT)	DETECTABLE WARNINGS (NOTE 1) (SO FT)
95+25	95+31	RT	26	
116+93	117+40	RT	122	20
118+76	118+88	RT	58	
120+76	120+81	RT	40	10
<b>TOTAL</b>			<b>246</b>	<b>30</b>

**SIDEWALK NOTES:**

- SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED ARE REQUIRED. SEE PLAN SHEETS FOR LOCATIONS AND TYPES.

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**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**SCHEDULES**

SCALE: SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	17
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

**SIGN**

STATION	OFFSET	TYPE	DESCRIPTION	SIZE	SIGN PANEL T1	REMOV SIN PAN ASSY TA	METAL POST TY B (NOTE 1)	RELOC SIN PAN ASSY TA
				(IN X IN)	(SQ FT)	(EACH)	(FOOT)	(EACH)
55+39	RT	W9-2	LANE ENDS MERGE LEFT	36 X 36		1		
59+51	LT	R1-1	STOP SIGN	30 X 30			13.5	1
59+95	LT	D3-1	STREET SIGN	24 X 12			12	1
60+49	RT	R2-1	SPEED LIMIT	30 X 36	7.5		14	
61+22	LT	W3-3	SIGNAL AHEAD	30 X 30			14.5	1
62+50	RT	R3-9b	TWO-WAY LEFT TURN ONLY	24 X 36	6		14	
63+56	LT	R1-1	STOP SIGN	30 X 30			13.5	1
66+05	LT	W14-3	NO PASSING ZONE	48 X 36		1		
70+50	LT	R3-9b	TWO-WAY LEFT TURN ONLY	24 X 36	6		14	
70+50	RT	R3-9b	TWO-WAY LEFT TURN ONLY	24 X 36	6		14	
83+00	LT	R3-9b	TWO-WAY LEFT TURN ONLY	24 X 36	6		14	
83+00	RT	R3-9b	TWO-WAY LEFT TURN ONLY	24 X 36	6		14	
83+70	RT	W14-3	NO PASSING ZONE	48 X 36		1		
93+00	LT	R3-9b	TWO-WAY LEFT TURN ONLY	24 X 36	6		14	
93+00	RT	R3-9b	TWO-WAY LEFT TURN ONLY	24 X 36	6		14	
94+15	RT		SHILOH POPULATION SIGN				14	1
103+50	RT	R3-9b	TWO-WAY LEFT TURN ONLY	24 X 36	6		14	
107+50	LT	R2-1	SPEED LIMIT	30 X 36	7.5		14	
109+00	LT	W9-2	LANE ENDS MERGE LEFT	36 X 36		1		
112+36	RT	W9-2	LANE ENDS MERGE LEFT	36 X 36		1		
112+75	RT	R2-1	SPEED LIMIT	30 X 36	7.5		14	
116+00	RT	R3-9b	TWO-WAY LEFT TURN ONLY	24 X 36	6		14	
126+75	LT	R3-9b	TWO-WAY LEFT TURN ONLY	24 X 36	6		14	
126+75	RT	R3-9b	TWO-WAY LEFT TURN ONLY	24 X 36	6		14	
128+53	RT	R1-1	STOP SIGN	30 X 30			13.5	1
128+60	RT	D3-1	STREET SIGN	24 X 12			12	1
128+83	RT	W14-3	NO PASSING ZONE	48 X 36		1		
129+47	RT	D3-1	STREET SIGN	24 X 12			14.5	1
136+59	LT	W14-3	NO PASSING ZONE	48 X 36		1		
136+75	LT	R3-9b	TWO-WAY LEFT TURN ONLY	24 X 36	6		14	
136+75	RT	R3-9b	TWO-WAY LEFT TURN ONLY	24 X 36	6		14	
142+80	RT		TRAFFIC SIGNAL STREET SIGN					1
143+80	RT		TRAFFIC SIGNAL STREET SIGN					1
143+50	RT		TRAFFIC SIGNAL STREET SIGN					1
147+25	LT	R3-9b	TWO-WAY LEFT TURN ONLY	24 X 36	6		14	
147+25	RT	R3-9b	TWO-WAY LEFT TURN ONLY	24 X 36	6		14	
154+00	LT	R2-1	SPEED LIMIT	30 X 36	7.5		14	
157+30	LT	R3-1100	RIGHT TURN LANE	24 X 24	4		14	
<b>TOTAL:</b>					<b>124.0</b>	<b>7</b>	<b>387.5</b>	<b>11</b>

**SIGN NOTES:**

- UN-USED SIGNS OWNED BY S.C.C.H.D. SHALL BE GIVEN TO THE ENGINEER FOR RETURN TO THE HIGHWAY DEPARTMENT.

**ENTRANCE**

STATION (NOTE 1)	OFFSET	ENTRANCE TYPE	ENTRANCE WIDTH "W" (NOTE 1) (FOOT)	ENTRANCE DEPTH "D" (FOOT)	EXISTING SURFACE TYPE	AGG BASE CSE A 4 (SQ YD)	AGG BASE CSE B 4 (SQ YD)	AGG BASE CSE B 6 (SQ YD)	BIT MATLS TACK CT (POUND)	INCIDENTAL HMA SURF (TON)	PCC DRIVEWAY PAVT 6 (NOTE 2) (SQ YD)	PCC DRIVEWAY PAVT 8 (NOTE 2) (SQ YD)	DRIVEWAY PAVEMENT REM (SQ YD)
59+62.6	RT	P.E.	22	6	AGG		13				19		24
63+73.3	LT	C.E.	24		ASPH								90
69+87.6	RT	P.E.	12	17	ASPH	21			10	3	11		47
74+38.6	RT	P.E.	12	17	AGG		8				11		33
77+25.6	RT	P.E.	12	41	ASPH	44			20	5	12		50
77+56.5	LT	P.E.	12	6	AGG		8				11		
80+72.7	RT	P.E.	20	11	ASPH	16			7	2	13		20
81+91.6	RT	C.E.	30	11	AGG			46				22	
83+43.6	RT	P.E.	20	10	AGG		16				17		
84+40.7	RT	F.E.	20		EARTH						17		
85+51.7	RT	P.E.	35		CONC						27		41
85+66.5	LT	F.E.	20		EARTH						17		
86+60.0	LT	F.E.	20		EARTH						17		
86+87.6	RT	P.E.	22	14	AGG		26				18		
87+88.5	LT	P.E.	24	29	AGG		60				17		
88+33.5	RT	P.E.	20	18	AGG		33				17		
92+08.4	LT	P.E.	12	22	AGG		30				11		
93+17.8	RT	P.E.	12	13	CONC						33		40
101+48.7	LT	P.E.	12	4	AGG		6				11		
101+61.8	RT	P.E.	12	17	AGG		20				12		
102+43.3	RT	P.E.	12	7	AGG		12				12		
104+86.2	LT	P.E.	12	6	ASPH	8			4	1	5		22
115+79.8	LT	C.E.	32		AGG							79	79
117+14.0	RT	C.E.	30		ASPH							142	171
117+40.9	LT	C.E.	24		ASPH							63	108
118+21.8	LT	C.E.	24		ASPH							66	141
120+69.0	LT	P.E.	24		AGG						19		
121+00.0	RT	C.E.	30		ASPH							81	185
122+66.4	LT	P.E.	12		CONC						11		41
123+09.7	LT	P.E.	12		AGG						11		
124+51.9	LT	P.E.	12	8	AGG		11				11		
124+63.9	RT	C.E.	30		ASPH							113	207
142+00.0	RT	F.E.	16		EARTH						14		
HARTMAN LANE ENTRANCE		C.E.	40		ASPH							87	
<b>TOTAL</b>						<b>89</b>	<b>243</b>	<b>46</b>	<b>41</b>	<b>11</b>	<b>374</b>	<b>653</b>	<b>1,299</b>

**ENTRANCE NOTES:**

- SEE CONSTRUCTION DETAILS SHEET FOR ENTRANCE DETAILS.
- DEPRESSED CURB AND GUTTER THROUGH ENTRANCES SHALL BE MEASURED FOR PAYMENT AS COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24.
- APPLICATION RATES USED FOR QUANTITY ESTIMATES ARE AS FOLLOWS:  
 BITUMINOUS MATERIALS (TACK COAT): 0.05  
 INCIDENTAL HMA SURFACING: 0.05556

**TEMPORARY PAVEMENT MARKING**

STATION	STATION	TEMP PVT MK LTR & SYM PNT (SQ FT)	TEMP PVT MK LINE 4 PNT (FOOT)	TEMP PAVT MK LINE 24 PNT (FOOT)	PAVMT MRKG REM WTR BL (SQ FT)
<b>STAGE 3</b>					
56+50	102+50		19,560		6,520
114+50	118+65	16	16,761	22	5,587
<b>STAGE 4</b>					
56+50	108+30	16	21,349		7,116
114+00	152+25	16	18,801	12	6,291
<b>TOTAL</b>		<b>48</b>	<b>76,471</b>	<b>34</b>	<b>25,514</b>

**TEMP PAVT MK NOTES:**

- TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASTING. NO GRINDING OF TEMPORARY PAVEMENT MARKINGS WILL BE ALLOWED.

**EARTHWORK**

STATION	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (NOTE 1) (CU YD)	EMBANKMENT (NOTE 2) (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (NOTE 3) (CU YD)
57+40	107+00	9,620	5,845	10,190	3,490
114+50	149+62	7,795	7,215	3,725	-4,345
<b>TOTAL</b>		<b>17,415</b>	<b>13,060</b>	<b>13,915</b>	<b>-855</b>

**EARTHWORK NOTES:**

- ESTIMATED SHRINKAGE FACTOR = 25%.
- APPROXIMATE EMBANKMENT QUANTITY IS SHOWN FOR INFORMATION ONLY.
- APPROXIMATE EARTHWORK BALANCE IS SHOWN FOR INFORMATION ONLY.

**PAVEMENT MARKING**

STATION	STATION	SHORT TERM PAVT MKING (FOOT)	SHRT TRM PAVT MK REM (SQ FT)	POLYUREA PM T1 LTR-SYM (NOTE 1) (SQ FT)	POLYUREA PM T1 LN 4 (FOOT)	POLYUREA PM T1 LN 12 (FOOT)	POLYUREA PM T1 LN 24 (FOOT)	PAVMT MRKG REM WTR BL (SQ FT)
57+49	75+79	861	290	187.2	4,157		34	2,211
75+79	95+52	1198	400	249.6	6,087	54		2,580
95+52	107+00	662	226	124.8	3,330		14	1,027
115+86	128+26	746	253	156.0	3,810			1,953
128+26	139+78	773	259	124.8	3,384	81	13	1,466
139+78	158+92	876	297	124.8	6,132	112	103	2,782
<b>TOTAL</b>		<b>5,116</b>	<b>1,725</b>	<b>967.2</b>	<b>26,900</b>	<b>247</b>	<b>164</b>	<b>12,019</b>

**PAVEMENT MARKING NOTES:**

- SEE HIGHWAY STANDARD 780001 FOR PAVEMENT MARKING DETAILS.
- ONE APPLICATION OF SHORT TERM PAVEMENT MARKINGS WAS FIGURED FOR ABOVE QUANTITY.

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**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

SCALE: SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.U. RTE. 9330 SECTION 13-00301-15-PW COUNTY ST. CLAIR TOTAL SHEETS 251 SHEET NO. 18 CONTRACT NO. 97752 ILLINOIS FED. AID PROJECT

**MANHOLES & INLETS**

STATION	OFFSET	TRENCH BACKFILL (CU YD)	REMOV INLETS (EACH)	F&G T3V (SALVAGED) (NOTE 1) (EACH)	MANHOLES						INLETS						
					MAN TA 4 W/SALVAGED T3F&G (NOTE 1) (EACH)	MAN TA 4 DIA T1F CL (EACH)	MAN TA 4 DIA T3F&G (EACH)	MAN TA 4 DIA T8G (EACH)	MAN TA 4 DIA T24F&G (EACH)	MAN TA 5 DIA T24F&G (EACH)	INLETS TB W/SALVAGED T3V F&G (NOTE 1) (EACH)	INLETS TA T3F&G (EACH)	INLETS TA T8G (EACH)	INLETS TA T24F&G (EACH)	INLETS TB T3F&G (EACH)	INLETS TB T8G (EACH)	INLETS TB T24F&G (EACH)
57+45	RT	1	1														
57+50	RT			1								1					
58+98	LT		1														
58+98	LT		1														
59+00	RT			1								1					
59+00	LT												1				
59+00	RT											1					
59+00	LT			1								1					
59+34	RT	1	1														
59+34	RT	1	1														
60+58	LT	1	1														
60+50	RT			1								1					
60+50	LT			1								1					
61+20	RT	1	1														
62+00	LT																1
62+00	RT																1
63+50	LT																1
63+50	RT																1
64+66	LT									1							
65+00	RT																1
65+93	LT									1							
66+50	RT									1			1				
66+84	LT									1							
67+80	LT									1							
68+00	RT									1							
68+84	LT									1							
69+50	RT									1							
69+83	LT									1							
74+50	LT									1							
74+50	LT											1					
75+00	RT									1							
76+50	LT									1							
76+50	RT									1							
77+25	LT									1			1				
78+00	LT									1							
78+00	RT									1							
79+50	LT									1							
79+50	RT									1							
81+00	LT									1							
81+00	RT									1							
82+50	LT									1							
82+50	RT					1											
82+50	RT												1				
83+50	LT									1							
83+58	RT											1					
83+58	RT					1											
84+23	RT											1					
84+23	RT					1											
84+45	LT														1		
84+60	RT					1											
84+60	LT						1										
84+60	RT											1					
84+75	RT					1											
84+75	RT											1					
84+75	LT														1		
85+47	LT									1							
86+50	RT					1											
86+50	RT													1			

CONTINUED ON SHEET NO. 20

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ST. CLAIR COUNTY DEPARTMENT  
OF ROADS AND BRIDGES

SCHEDULES  
SCALE: SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	19
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

**MANHOLES & INLETS CONTINUED**

STATION	OFFSET	TRENCH BACKFILL (CU YD)	REMOV INLETS (EACH)	F&G T3V (SALVAGED) (NOTE 1) (EACH)	MANHOLES						INLETS						
					MAN TA 4 W/SALVAGED T3F&G (NOTE 1) (EACH)	MAN TA 4 DIA TIF CL (EACH)	MAN TA 4 DIA T3F&G (EACH)	MAN TA 4 DIA T8G (EACH)	MAN TA 4 DIA T24F&G (EACH)	MAN TA 5 DIA T24F&G (EACH)	INLETS TB W/SALVAGED T3V F&G (NOTE 1) (EACH)	INLETS TA T3F&G (EACH)	INLETS TA T8G (EACH)	INLETS TA T24F&G (EACH)	INLETS TB T3F&G (EACH)	INLETS TB T8G (EACH)	INLETS TB T24F&G (EACH)
86+80	LT									1							
88+00	RT					1											
88+00	RT													1			
88+10	LT																1
89+50	RT					1											
89+50	RT													1			
89+50	LT																1
91+00	RT					1											
91+00	RT													1			
91+00	LT																1
92+50	RT					1											
92+50	RT													1			
92+50	LT																1
94+00	RT					1											
94+00	RT													1			
94+00	LT																1
95+00	RT					1											
95+00	RT													1			
95+50	LT													1			
96+15	RT					1											
96+15	RT													1			
98+50	RT					1											
98+50	LT													1			
98+50	RT													1			
100+00	RT					1											
100+00	RT													1			
100+00	LT																1
101+50	RT					1											
101+50	RT													1			
101+50	LT																1
103+00	RT													1			
103+00	LT																1
103+00	RT					1											
104+00	RT	1	1														
104+00	RT					1											
104+00	RT			1	1												
104+50	LT			1							1						
104+64	LT	1	1														
105+23	LT	1	1														
105+23	LT		1														
106+00	LT			1							1						
106+86	LT	1	1														
107+00	LT			1							1						
115+39	LT	1	1														
115+39	LT		1														
115+40	LT												1				
115+40	LT			1							1						
116+67	RT	1	1														
116+72	RT			1							1						
117+00	LT	1	1														
117+00	LT			1							1						
117+12	LT															1	
117+12	LT		1														
117+81	LT		1														
117+90	LT															1	
118+47	RT									1							
118+60	RT								1								
118+77	LT									1							

CONTINUED ON SHEET NO. 21

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**ST. CLAIR COUNTY DEPARTMENT  
 OF ROADS AND BRIDGES**

**SCHEDULES**  
 SCALE: SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	20
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

**MANHOLES & INLETS CONTINUED**

STATION	OFFSET	TRENCH BACKFILL (CU YD)	REMOV INLETS (EACH)	F&G T3V (SALVAGED) (NOTE 1) (EACH)	MANHOLES						INLETS						
					MAN TA 4 W/SALVAGED T3F&G (NOTE 1) (EACH)	MAN TA 4 DIA T1F CL (EACH)	MAN TA 4 DIA T3F&G (EACH)	MAN TA 4 DIA T8G (EACH)	MAN TA 4 DIA T24F&G (EACH)	MAN TA 5 DIA T24F&G (EACH)	INLETS TB W/SALVAGED T3V F&G (NOTE 1) (EACH)	INLETS TA T3F&G (EACH)	INLETS TA T8G (EACH)	INLETS TA T24F&G (EACH)	INLETS TB T3F&G (EACH)	INLETS TB T8G (EACH)	INLETS TB T24F&G (EACH)
120+50	LT													1			
120+50	RT													1			
122+50	RT																1
122+50	LT												1				
122+97	LT								1								
123+00	LT												1				
124+00	LT																1
124+00	RT																1
125+50	LT																1
125+50	RT																1
127+00	LT																1
127+00	RT																1
127+73	RT								1								
128+50	LT																1
128+70	RT								1								
130+00	RT												1				
130+00	LT																1
131+50	LT																1
131+50	RT																1
133+00	LT																1
133+00	RT																1
134+70	LT								1								
134+70	RT								1								
137+40	LT											1					
137+40	RT											1					
137+65	LT					1											
137+65	RT					1											
138+00	LT														1		
138+00	RT														1		
139+50	LT																1
139+50	RT																1
141+00	LT												1				
141+00	RT												1				
144+50	LT												1				
144+50	RT												1				
146+00	LT																1
146+00	RT																1
147+50	LT																1
147+50	RT																1
149+00	LT																1
149+00	RT																1
<b>TOTAL</b>		<b>12</b>	<b>18</b>	<b>12</b>	<b>1</b>	<b>18</b>	<b>3</b>	<b>1</b>	<b>29</b>	<b>3</b>	<b>11</b>	<b>6</b>	<b>8</b>	<b>22</b>	<b>4</b>	<b>2</b>	<b>34</b>

**MANHOLES & INLETS NOTES:**

- SALVAGED FRAME AND GRATES SHALL BE INCLUDED IN THE COST OF THE MANHOLES, TYPE A, 4'-DIAMETER OR INLETS, TYPE B. COST INCLUDES REMOVAL, STORAGE AND INSTALLATION OF SALVAGED FRAME AND GRATES.

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**ST. CLAIR COUNTY DEPARTMENT  
OF ROADS AND BRIDGES**

**SCHEDULES**

SCALE: SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	21
CONTRACT NO. 97752			ILLINOIS FED. AID PROJECT	

**STORM SEWER**

STATION	STATION	OFFSET	TRENCH BACKFILL	PIPE CULVERT REMOV	TRVRS PIPE GRT CON ES	PCBC 5X2	P CUL CL A 1 15	P CUL CL A 1 18	PRC FLAR END SEC 12	PRC FLAR END SEC 15	PRC FLAR END SEC 18	PRC FLAR END SEC 24	PRCF END S EL EORS 24	SS RG CL A 1 12	SS RG CL A 1 18	SS RG CL A 1 24	SS CL A 1 EORS 24	STORM SEW REM 12	STORM SEW REM 18	SS 1 WAT MN 12	SS 1 WAT MN 18	SS 1 WAT MN 24
			(CU YD)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)
57+35	59+35	RT	28															200				
57+40	57+50	RT																			10	
57+50	59+00	RT	35																		150	
58+80	59+15	LT	5															33				
59+00	59+00	LT	1											10								
59+00	60+50	LT	27												150							
59+00	60+50	RT	32																		150	
59+00	59+00	RT	1																		6	
59+15		LT	1															11				
59+15	60+59	LT	21															140				
59+35		RT	1															11				
59+35	61+20	RT	27															181				
60+50	62+00	LT	27												150							
60+50	62+00	RT	42																		150	
60+59		LT	1															12				
61+20	61+34	RT	1															20				
62+00	63+43	LT	44												143							
62+00	63+50	RT	38																		150	
63+43	64+66	LT	37												123							
63+50	65+00	RT	38																		150	
63+72		LT	9	61																		
64+66		LT							1													
64+66		LT	2											6								
64+66	65+93	LT	37													127						
65+00	66+50	RT	38																		150	
65+93		LT							1													
65+93		LT	2											6								
65+93	66+84	LT	27													91						
66+50		RT	2																	6		
66+50	68+00	RT	38																		150	
66+84		LT							1													
66+84		LT	2											6								
66+84	67+80	LT	25													96						
67+80		LT							1													
67+80		LT	2											6								
67+80	68+84	LT	27													104						
68+00	69+50	RT	40																			150
68+84		LT							1													
68+84		LT	2											6								
68+84	69+83	LT	29													99						
69+50	75+00	RT	55																			210
69+83		LT							1													
69+83		LT	2											6								
69+83	74+50	LT	37													127						
69+87		RT	10	71																		
74+50		LT	2											10								
74+50	76+50	LT	59													200						
75+00	76+50	RT	44																			150
75+79		LT	20	150																		
76+50	77+25	LT	22													75						
76+50	78+00	RT	44																			150
77+25		RT	7	49																		
77+25		LT	2											7								
77+25	78+00	LT	22																			75
77+55		LT	6	41																		
78+00	79+50	LT	44																			150
78+00	79+50	RT	44													150						

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**OATES ASSOCIATES**  
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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

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**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**SCHEDULES**

SCALE: SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.U. RTE. 9330	SECTION 13-00301-15-PW	COUNTY ST. CLAIR	TOTAL SHEETS 251	SHEET NO. 22
CONTRACT NO. 97752			ILLINOIS FED. AID PROJECT	

**STORM SEWER CONTINUED**

STATION	STATION	OFFSET	TRENCH BACKFILL (CU YD)	PIPE CULVERT REMOV (FOOT)	TRVRS PIPE GRT CON ES (FOOT)	PCBC 5X2 (FOOT)	P CUL CL A 1 15 (FOOT)	P CUL CL A 1 18 (FOOT)	PRC FLAR END SEC 12 (EACH)	PRC FLAR END SEC 15 (EACH)	PRC FLAR END SEC 18 (EACH)	PRC FLAR END SEC 24 (EACH)	PRCF END S EL EORS 24 (EACH)	SS RG CL A 1 12 (FOOT)	SS RG CL A 1 18 (FOOT)	SS RG CL A 1 24 (FOOT)	SS CL A 1 EORS 24 (FOOT)	STORM SEW REM 12 (FOOT)	STORM SEW REM 18 (FOOT)	SS 1 WAT MN 12 (FOOT)	SS 1 WAT MN 18 (FOOT)	SS 1 WAT MN 24 (FOOT)
79+50	81+00	LT	44																			150
79+50	81+00	RT	44													150						150
81+00	82+50	LT	44																			150
81+00	82+50	RT	44														150					
82+50		RT												5								
82+50	83+58	RT	32													108						
82+50	83+50	LT	29														100					
83+50		LT											1									
83+50	83+50	LT	1														6					
83+58		RT												5								
83+58	83+79	RT														23						
83+79		RT										1										
83+87		LT/RT			66	249																
84+07		RT										1										
84+07	84+23	RT														17						
84+23		RT												5								
84+23	84+60	RT	6													37						
84+45	84+60	LT	3											15								
84+60		LT							1													
84+60		LT	1											15								
84+60	84+75	LT	4											15								
84+60	84+75	RT	2													15						
84+60		RT												5								
84+75		RT												5								
84+75	86+50	RT	32													175						
85+00		LT											1									
85+00	85+73	LT																		47		
85+60		LT	4	32																		
85+73	86+80	LT	23																	133		
86+46		LT	6	44																		
86+50		RT												5								
86+50	88+00	RT	20											150								
86+80	88+10	LT	30													130						
87+87		LT	7	51																		
88+00		RT												5								
88+00	89+50	RT	35											150								
88+10	89+50	LT	36													140						
89+50	91+00	LT	38													150						
89+50	91+00	RT	35											150								
89+50		RT												5								
91+00	92+50	LT	42													150						
91+00	92+50	RT	35											150								
91+00		RT												5								
92+08		LT	6	44																		
92+50	94+00	RT	35											150								
92+50		RT												5								
92+50	94+00	LT	32											150								
93+10		RT	7	48																		
94+00	95+00	RT	24											100								
94+00		RT												5								
94+00	95+50	LT	32											150								
95+00	96+15	RT	27											115								
95+00		RT												5								
95+50		RT	12	85																		
96+15		RT												5								
98+50		RT												5								
98+50	100+00	RT												150								
98+50	100+00	LT	23											150								
100+00		RT												5								

CONTINUED ON SHEET NO. 24

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**OATES ASSOCIATES**  
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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = scott.feldt	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

<b>SCHEDULES</b>	
SCALE:	SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.U. RTE. 9330	SECTION 13-00301-15-PW	COUNTY ST. CLAIR	TOTAL SHEETS 251	SHEET NO. 23
			CONTRACT NO. 97752	
ILLINOIS FED. AID PROJECT				

**STORM SEWER CONTINUED**

STATION	STATION	OFFSET	TRENCH BACKFILL (CU YD)	PIPE CULVERT REMOV (FOOT)	TRVRS PIPE GRT CON ES (FOOT)	PCBC 5X2 (FOOT)	P CUL CL A 1 15 (FOOT)	P CUL CL A 1 18 (FOOT)	PRC FLAR END SEC 12 (EACH)	PRC FLAR END SEC 15 (EACH)	PRC FLAR END SEC 18 (EACH)	PRC FLAR END SEC 24 (EACH)	PRCF END S EL EORS 24 (EACH)	SS RG CL A 1 12 (FOOT)	SS RG CL A 1 18 (FOOT)	SS RG CL A 1 24 (FOOT)	SS CL A 1 EORS 24 (FOOT)	STORM SEW REM 12 (FOOT)	STORM SEW REM 18 (FOOT)	SS 1 WAT MN 12 (FOOT)	SS 1 WAT MN 18 (FOOT)	SS 1 WAT MN 24 (FOOT)	
100+00	101+50	RT												150									
100+00	101+50	LT	26											150									
101+15		LT	9	60																			
101+50		RT												5									
101+50	103+00	RT												150									
101+50	103+00	LT	31												150								
103+00		RT												5									
103+00	104+00	RT	26											100									
103+00	104+50	LT	31												150								
103+00	104+60	LT	20															163					
103+25		RT							1														
103+25	104+00	RT																		75			
103+27	104+01	RT																73					
104+00		RT												9									
104+50	106+00	LT	31												150								
104+64	105+24	LT	7															60					
105+25		LT	1															8					
105+25	107+00	LT	22															163					
106+00	107+00	LT	21												100								
115+40		LT	1											7				7					
115+40	117+00	LT	28											161									
115+40	117+01	LT	22																162				
116+67		RT	1															17					
116+71		RT							1														
116+71	116+81	RT												7									
116+81	118+47	RT	46											175									
116+98	117+12	RT	2															20					
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117+12	117+82	LT	6															70					
117+12	118+00	LT													86								
117+16		RT	8	62																			
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122+97		LT	2											8									
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124+00	125+50	RT	29											150									
124+00	125+50	LT	26											150									
124+35		RT																					
124+35	125+00	RT	8				52					1											
124+43	124+62	LT	3				11																
124+43		LT										1											
124+52		LT	5	39																			

CONTINUED ON SHEET NO. 25

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DRAWN -  
PLOT SCALE = 100.0000 ' / in.  
CHECKED -  
DATE -

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -



**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**SCHEDULES**  
SCALE: SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97752	



**STORM SEWER CONTINUED**

STATION	STATION	OFFSET	TRENCH BACKFILL	PIPE CULVERT REMOV	TRVRS PIPE GRT CON ES	PCBC 5X2	P CUL CL A 1 15	P CUL CL A 1 18	PRC FLAR END SEC 12	PRC FLAR END SEC 15	PRC FLAR END SEC 18	PRC FLAR END SEC 24	PRCF END S EL EORS 24	SS RG CL A 1 12	SS RG CL A 1 18	SS RG CL A 1 24	SS CL A 1 EORS 24	STORM SEW REM 12	STORM SEW REM 18	SS 1 WAT MN 12	SS 1 WAT MN 18	SS 1 WAT MN 24
			(CU YD)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)
124+62		LT								1												
124+65		RT	10	69																		
125+00		RT								1												
125+50	127+00	RT	20											150								
125+50	127+00	LT	26											150								
127+00	127+73	RT	8												73							
127+00	128+50	LT	38												150							
127+73		RT						1														
127+73		RT																				
127+73	128+70	RT	29											5		99						
128+26		RT	12	93																		
128+50	130+00	LT	38												150							
128+70	128+91	RT														18						
128+91		RT										1										
130+00	131+50	RT	23											150								
130+00	131+50	LT	35												150							
131+50	133+00	RT	26											150								
131+50	133+00	LT	38												150							
133+00	134+70	RT	29											170								
133+00	134+70	LT	44												170							
134+70		LT								1												
134+70		LT	5												44							
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134+70		RT										1										
137+40	137+65	LT	4											25								
137+40	137+65	RT	4											25								
137+65		LT								1												
137+65		RT								1												
137+65	138+00	LT	6											35								
137+65	138+00	RT	6											35								
137+65		LT	4												36							
137+65		RT	1												23							
138+00	139+50	LT	26											150								
138+00	139+50	RT	26											150								
139+50	141+00	LT	23											150								
139+50	141+00	RT	26											150								
144+50	146+00	LT	95											150								
144+50	146+00	RT	100											150								
146+00	147+50	LT	95											150								
146+00	147+50	RT	42											150								
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147+50	149+00	RT	42											150								
149+00	149+63	LT	41												63							
149+00	149+63	RT	21												63							
HARTMAN LANE	STUB OUT		14					62	1		2			8				8				
<b>TOTAL</b>			<b>3,537</b>	<b>1,086</b>	<b>66</b>	<b>249</b>	<b>63</b>	<b>62</b>	<b>11</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>3</b>	<b>6,106</b>	<b>3,202</b>	<b>1,617</b>	<b>318</b>	<b>1,277</b>	<b>162</b>	<b>397</b>	<b>750</b>	<b>1,185</b>

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**OATES ASSOCIATES**  
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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

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PLOT SCALE = 100.0000 ' / in.
PLOT DATE = 10/18/2021

DESIGNED -
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CHECKED -
DATE -

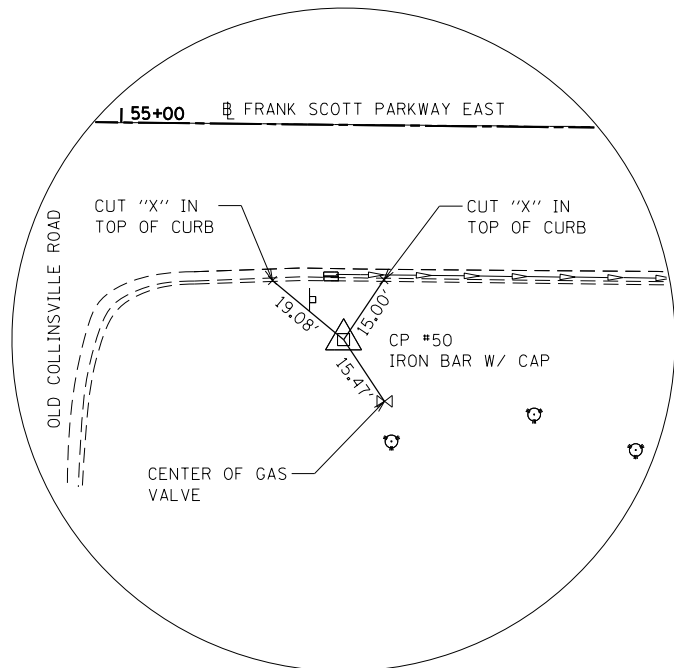
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**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

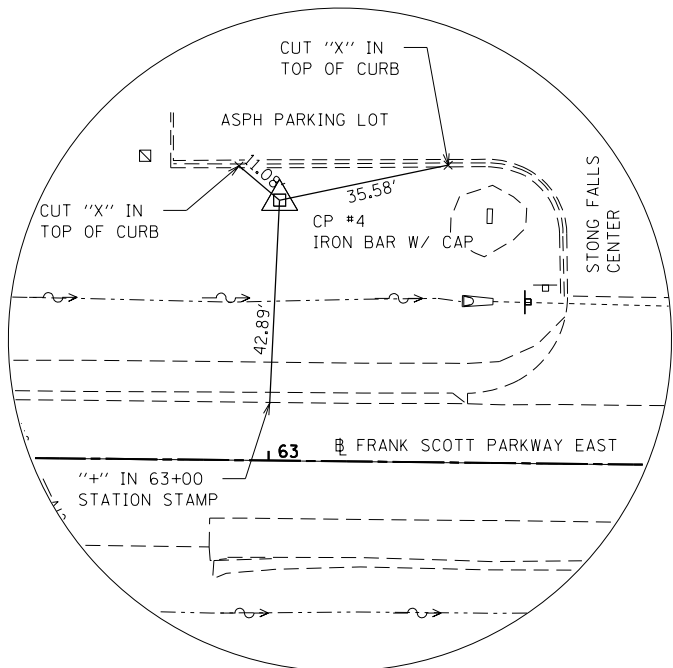
<b>SCHEDULES</b>			
SCALE:	SHEET 9	OF 9 SHEETS	STA. TO STA.

F.A.U. RTE. 9330	SECTION 13-00301-15-PW	COUNTY ST. CLAIR	TOTAL SHEETS 251	SHEET NO. 25
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97752	



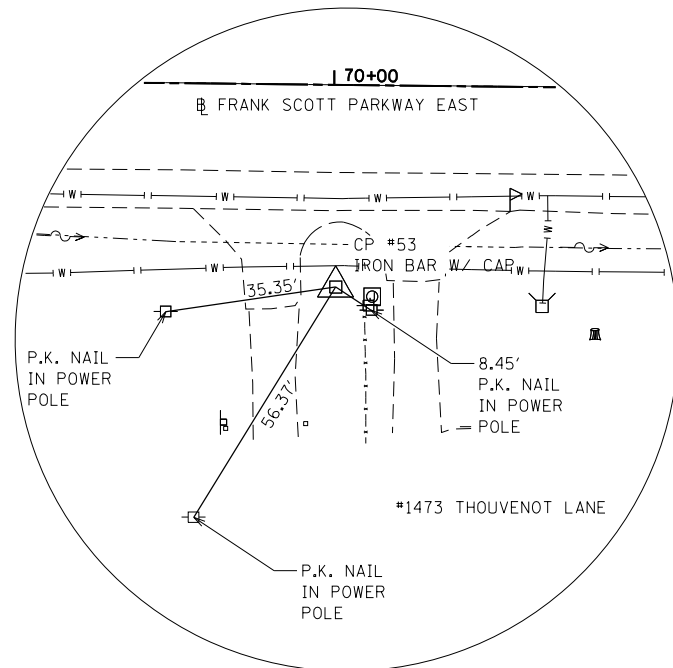
**CONTROL POINT #50**

IRON BAR WITH CAP AT SE QUADRANT OF FSPE & OLD COLLISVILLE RD  
 STA 55+46.79  
 O/S 44.8' RT  
 N 693,412.7548  
 E 2,354,289.0986  
 ELEV 578.13



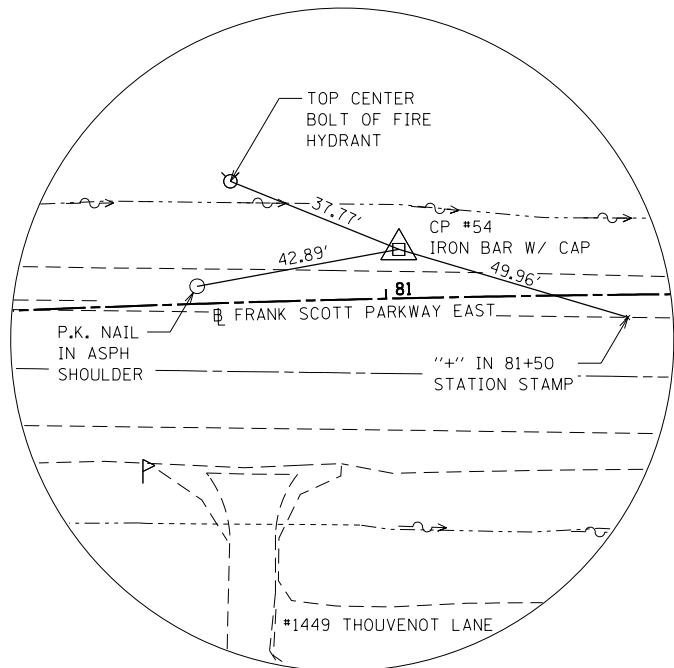
**CONTROL POINT #4**

IRON BAR WITH CAP ±70' WEST OF STONE FALLS BUSINESS PARK ENTRANCE  
 STA 63+01.71  
 O/S 54.3' LT  
 N 693,503.6634  
 E 2,355,045.0373  
 ELEV 572.09



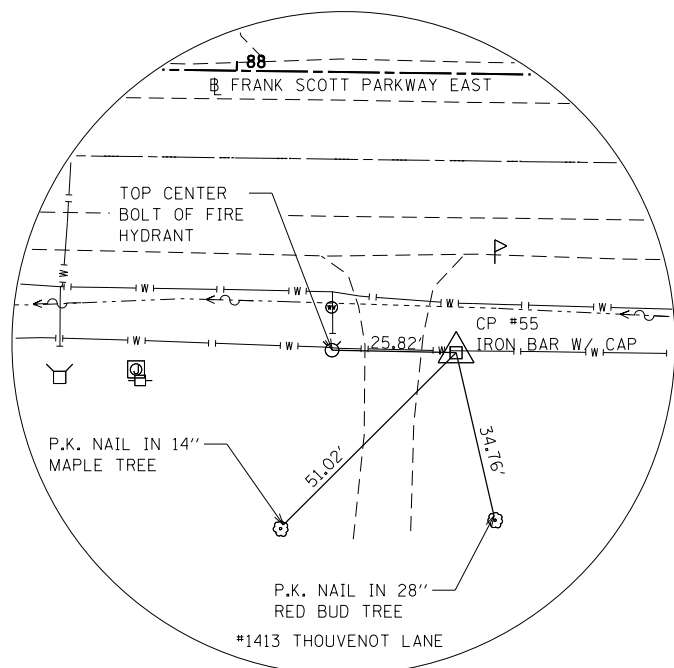
**CONTROL POINT #53**

IRON BAR WITH CAP ±15' WEST OF GRAVEL DRIVEWAY TO HOUSE #1473  
 STA 70+00.75  
 O/S 42.1' RT  
 N 693,399.7713  
 E 2,355,743.0024  
 ELEV 567.68



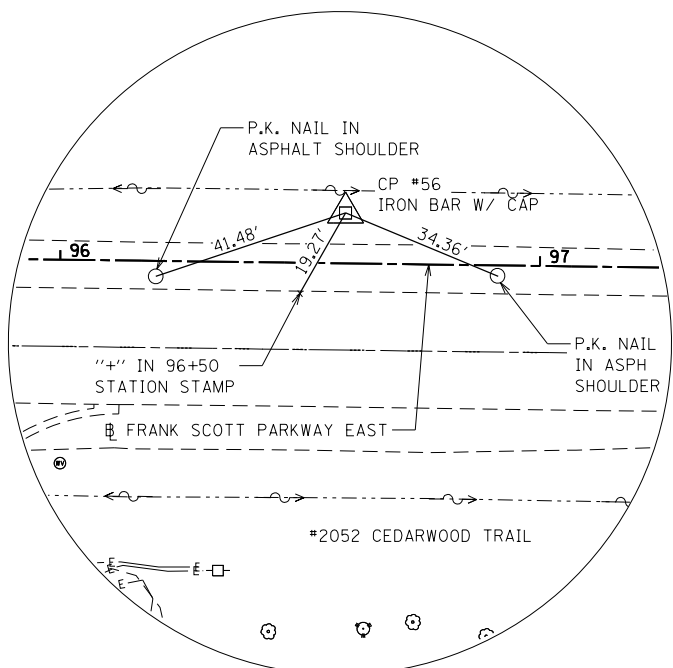
**CONTROL POINT #54**

IRON BAR WITH CAP ACROSS FROM PATRICK PRINDABLE INSURANCE AGENCY #1449  
 STA 81+02.89  
 O/S 10.2' LT  
 N 693,459.2743  
 E 2,356,505.0549  
 ELEV 552.26



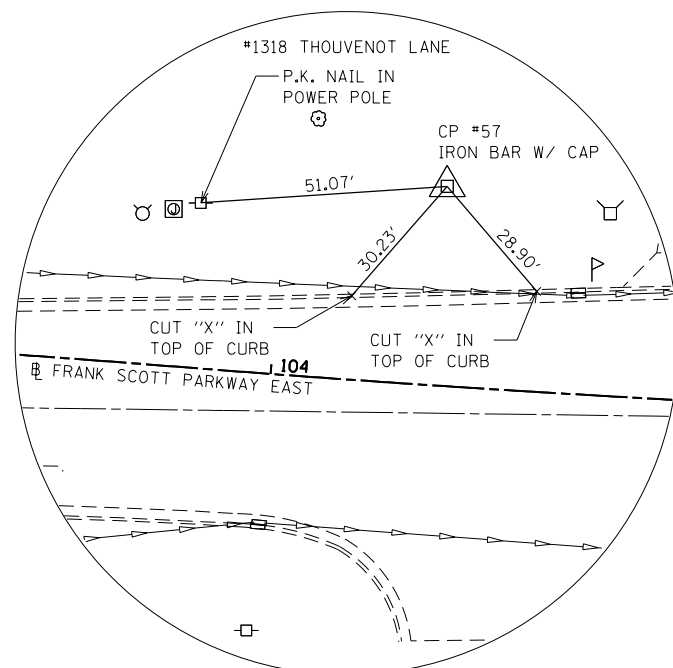
**CONTROL POINT #55**

IRON BAR WITH CAP IN YARD OF HOUSE #1413  
 STA 88+46.48  
 O/S 58.2' RT  
 N 693,383.7456  
 E 2,357,428.0540  
 ELEV 555.58



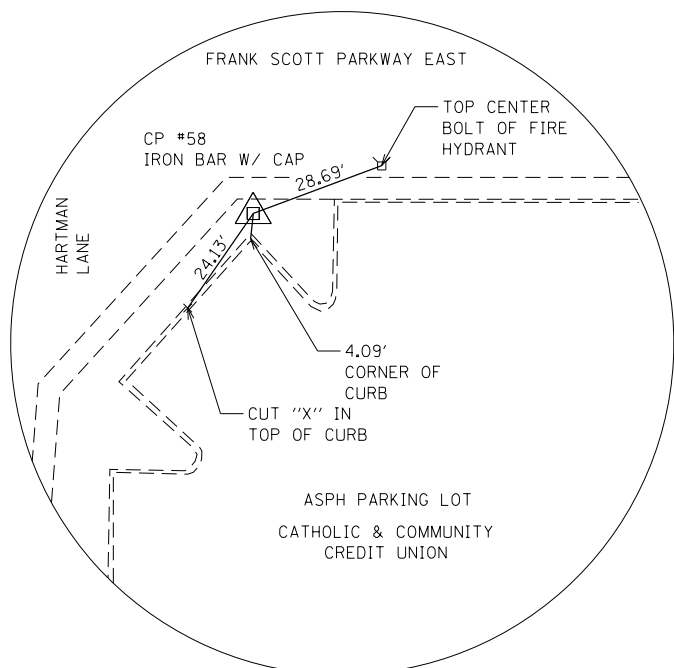
**CONTROL POINT #56**

IRON BAR WITH CAP ±100' EAST OF CEDARWOOD TRAIL  
 STA 96+59.35  
 O/S 10.5' LT  
 N 693,441.7907  
 E 2,358,061.7546  
 ELEV 564.53



**CONTROL POINT #57**

IRON BAR WITH CAP IN YARD OF HOUSE #1318  
 STA 104+34.15  
 O/S 41.6' LT  
 N 693,450.4132  
 E 2,358,838.6455  
 ELEV 560.19



**CONTROL POINT #58**

IRON BAR WITH CAP SE QUADRANT OF FSPE & HARTMAN LN IN FRONT OF CATHOLIC & COMMUNITY CREDIT UNION  
 STA 111+97.93  
 O/S 73.4' RT  
 N 693,319.7701  
 E 2,359,599.2684  
 ELEV 561.30



MODEL CONTROL POINTS 1  
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 PLOT SCALE = 40.0000' / in.  
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 CHECKED -  
 DATE -

REVISED -  
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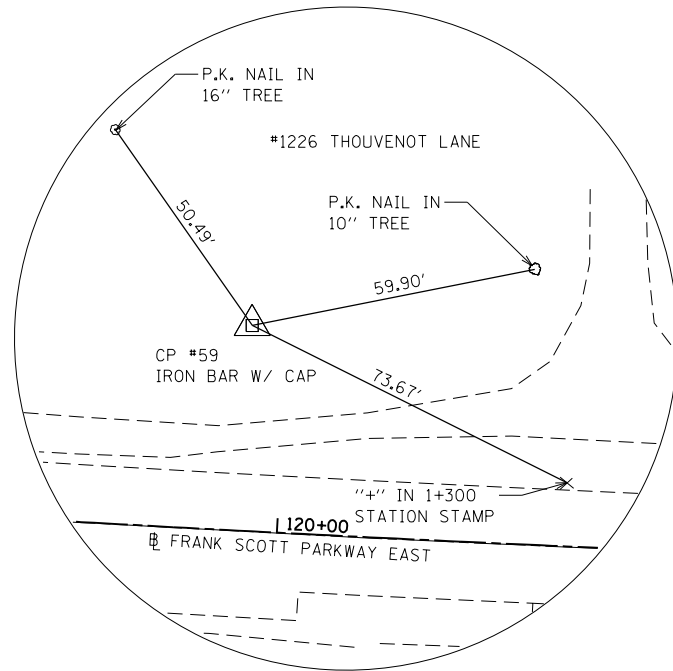


ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

**CONTROL POINT TIES**

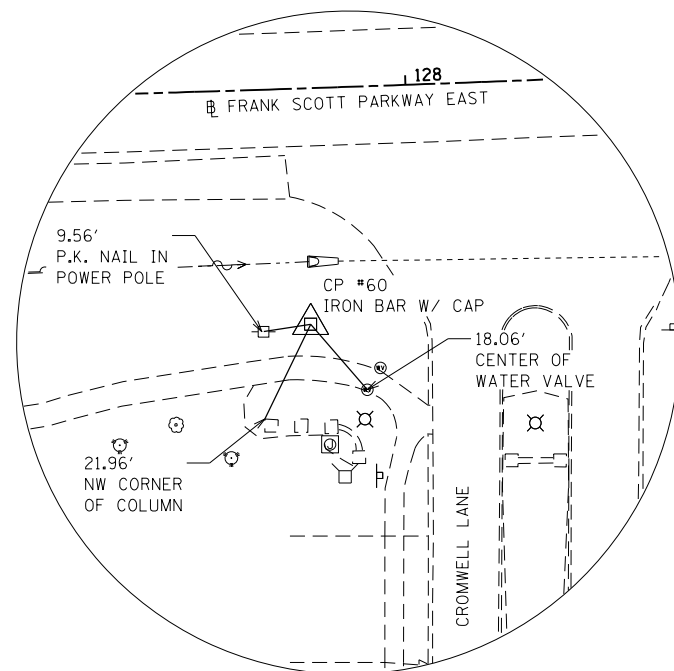
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	26
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



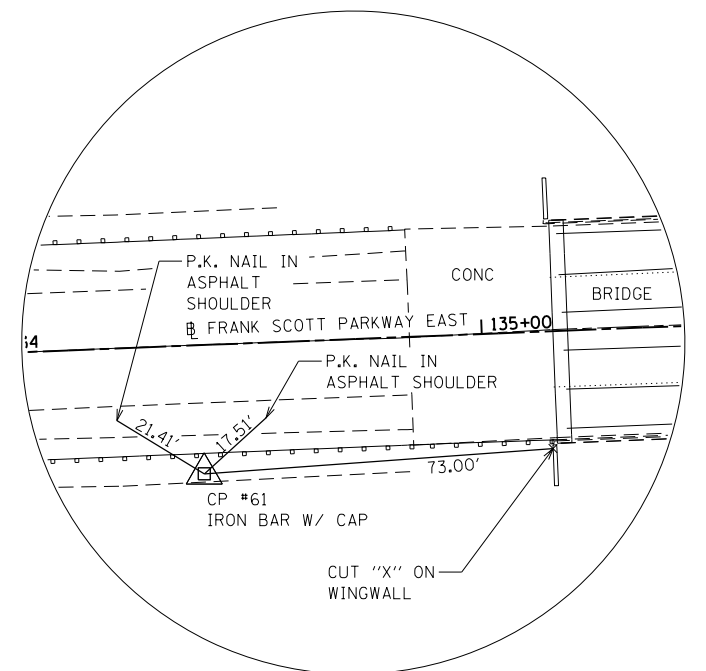
**CONTROL POINT #59**

IRON BAR WITH CAP IN YARD OF  
LAWN CARE BUSINESS  
STA 119+92.62  
O/S 42.8' LT  
N 693,395.9595  
E 2,360,396.0230  
ELEV 556.09



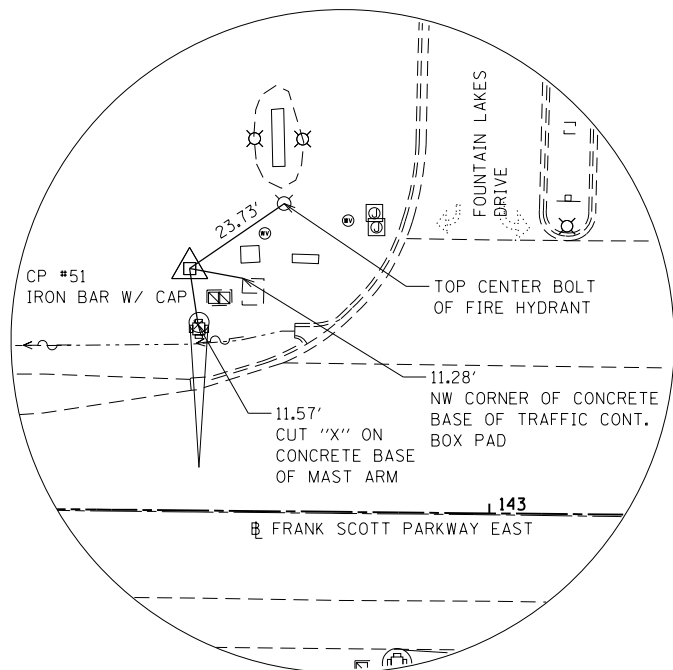
**CONTROL POINT #60**

IRON BAR WITH CAP BY ENTRANCE TO  
WINDSOR ESTATES SUBDIVISION  
STA 127+78.59  
O/S 49.2' RT  
N 693,296.3705  
E 2,361,181.1438  
ELEV 535.92



**CONTROL POINT #61**

IRON BAR WITH CAP ±75' WEST OF  
BRIDGE #082-3095  
STA 134+41.06  
O/S 26.8' RT  
N 693,344.8391  
E 2,361,842.5110  
ELEV 530.85



**CONTROL POINT #51**

IRON BAR WITH CAP 80' WEST OF  $\phi$  ENTRANCE  
TO PARKWAY LAKESIDE APARTMENT HOMES  
STA 142+37.06  
O/S 50.4' LT  
N 693,442.6547  
E 2,362,637.5679  
ELEV 534.64



MODEL CONTROL POINTS 1  
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PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



**ST. CLAIR COUNTY DEPARTMENT  
OF ROADS AND BRIDGES**

**CONTROL POINT TIES**

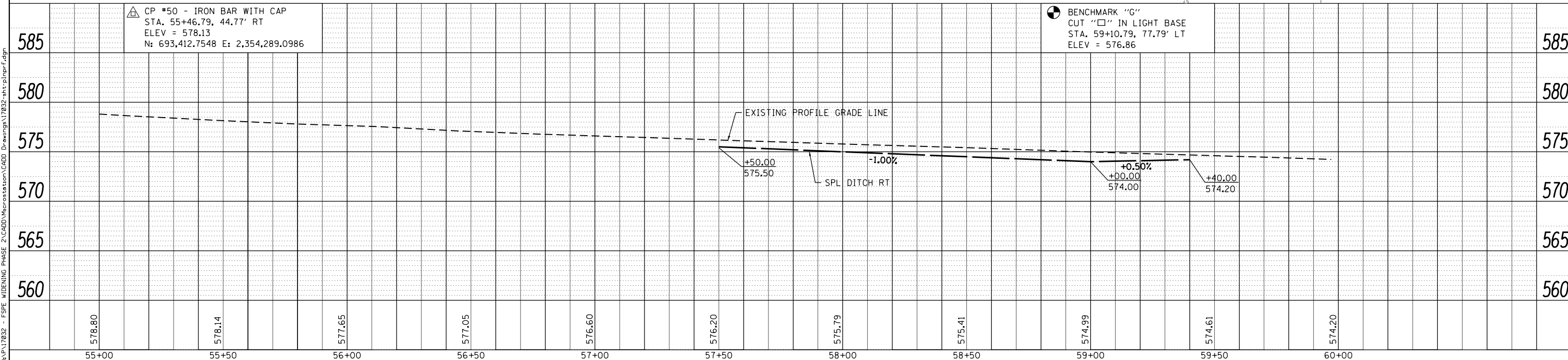
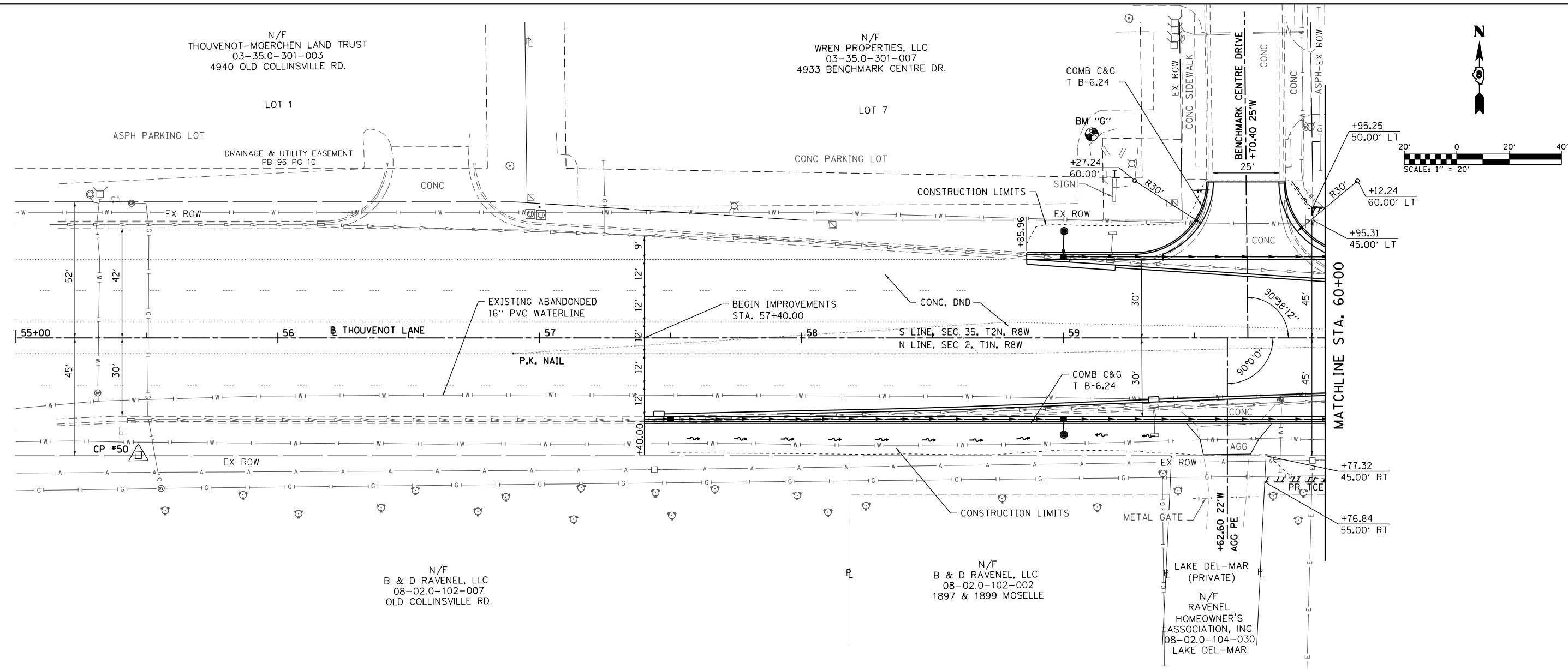
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	27
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

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55+00	55+50	56+00	56+50	57+00	57+50	58+00	58+50	59+00	59+50	60+00
578.80	578.14	577.65	577.05	576.60	576.20	575.79	575.41	574.99	574.61	574.20

**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = scott.feldt	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

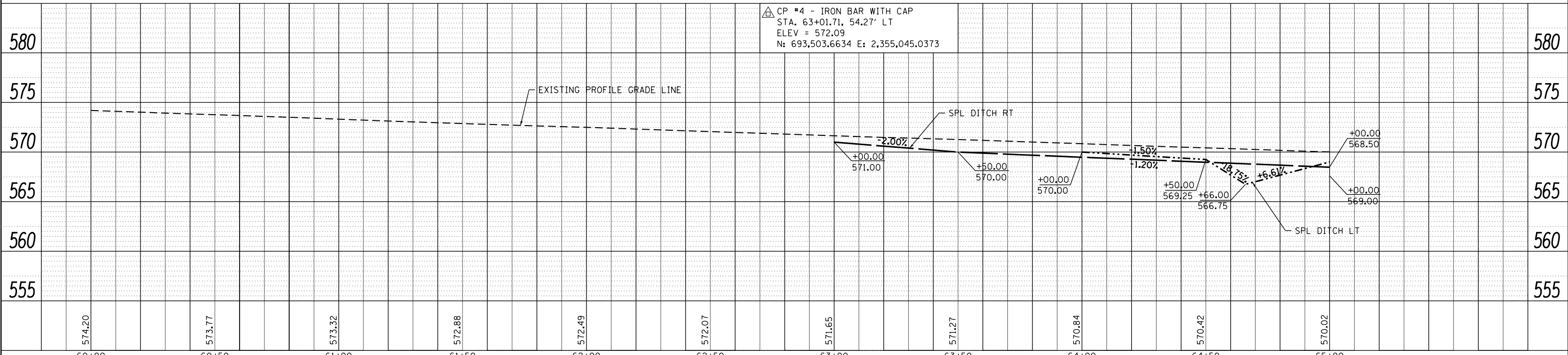
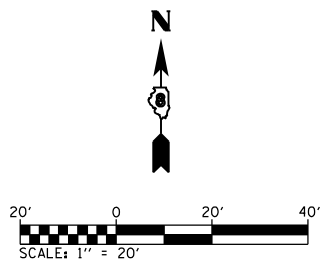
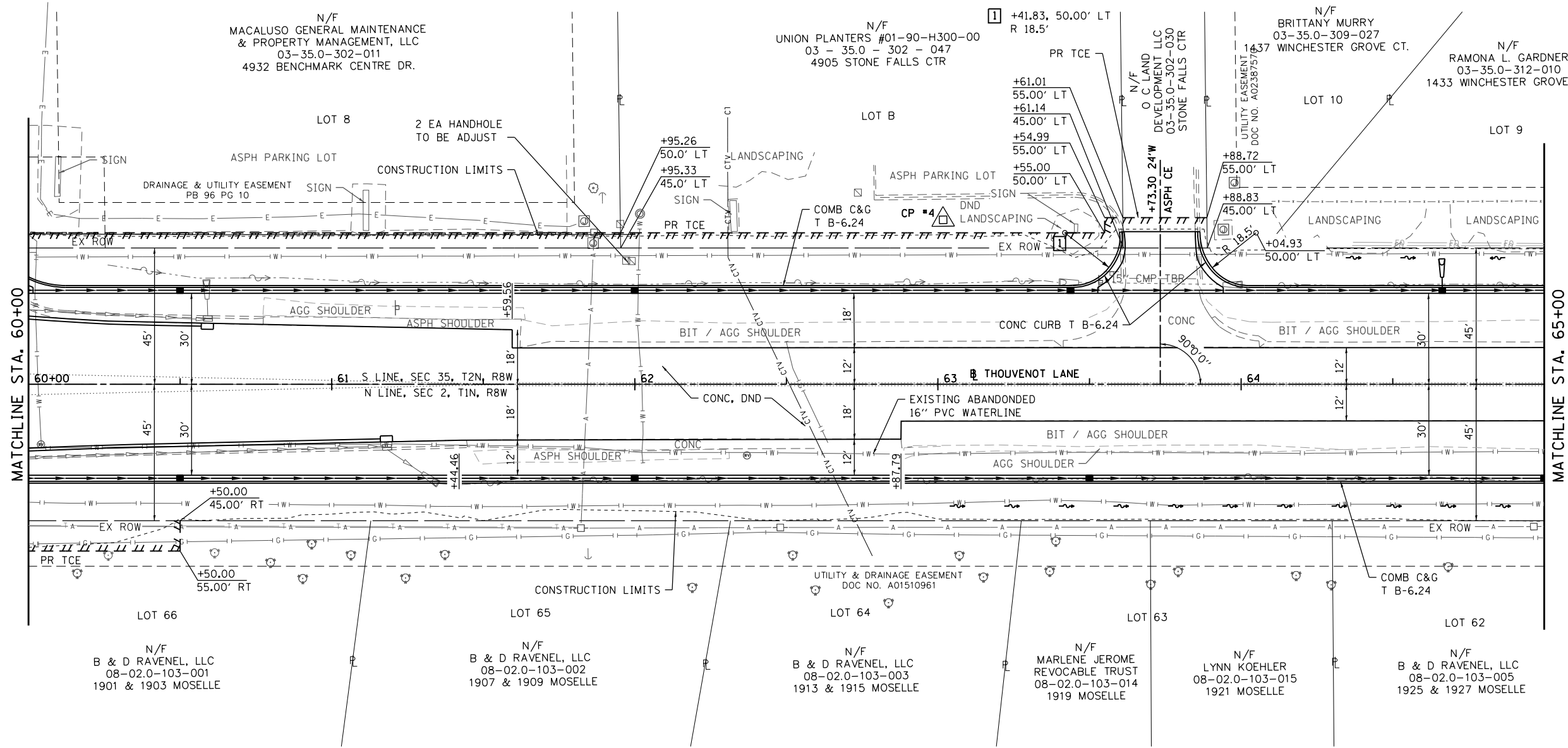
**PLAN AND PROFILE SHEETS**  
 SCALE: 1" = 20' SHEET NO. 1 OF 18 SHEETS STA. 55+00 TO STA. 60+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	28
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	FILE NAME	

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**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO. 184,001115

USER NAME = scott.feidt	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
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	DATE -	REVISED -

**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

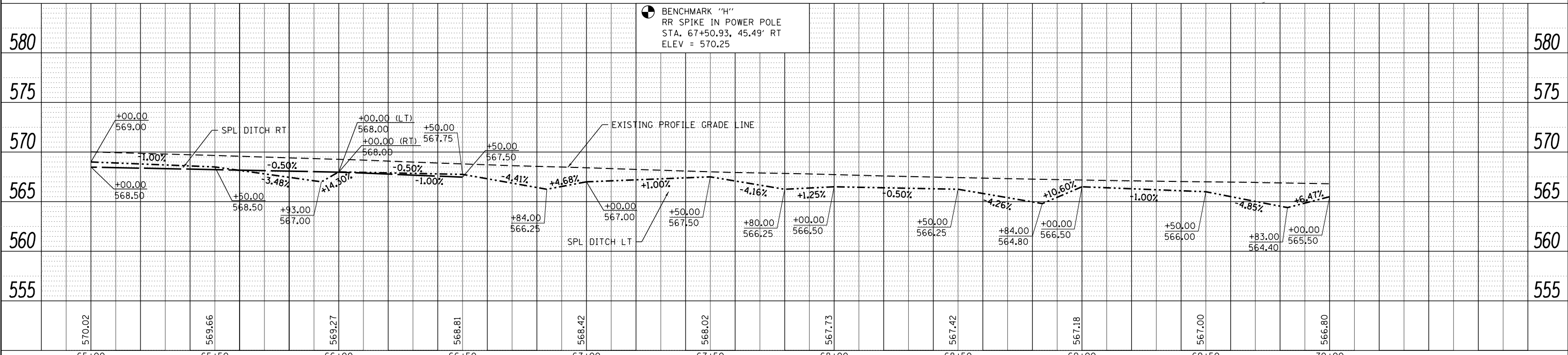
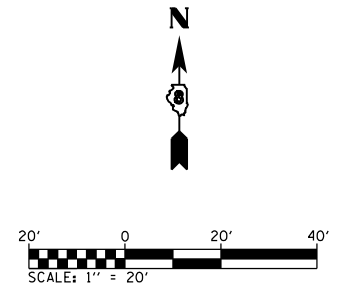
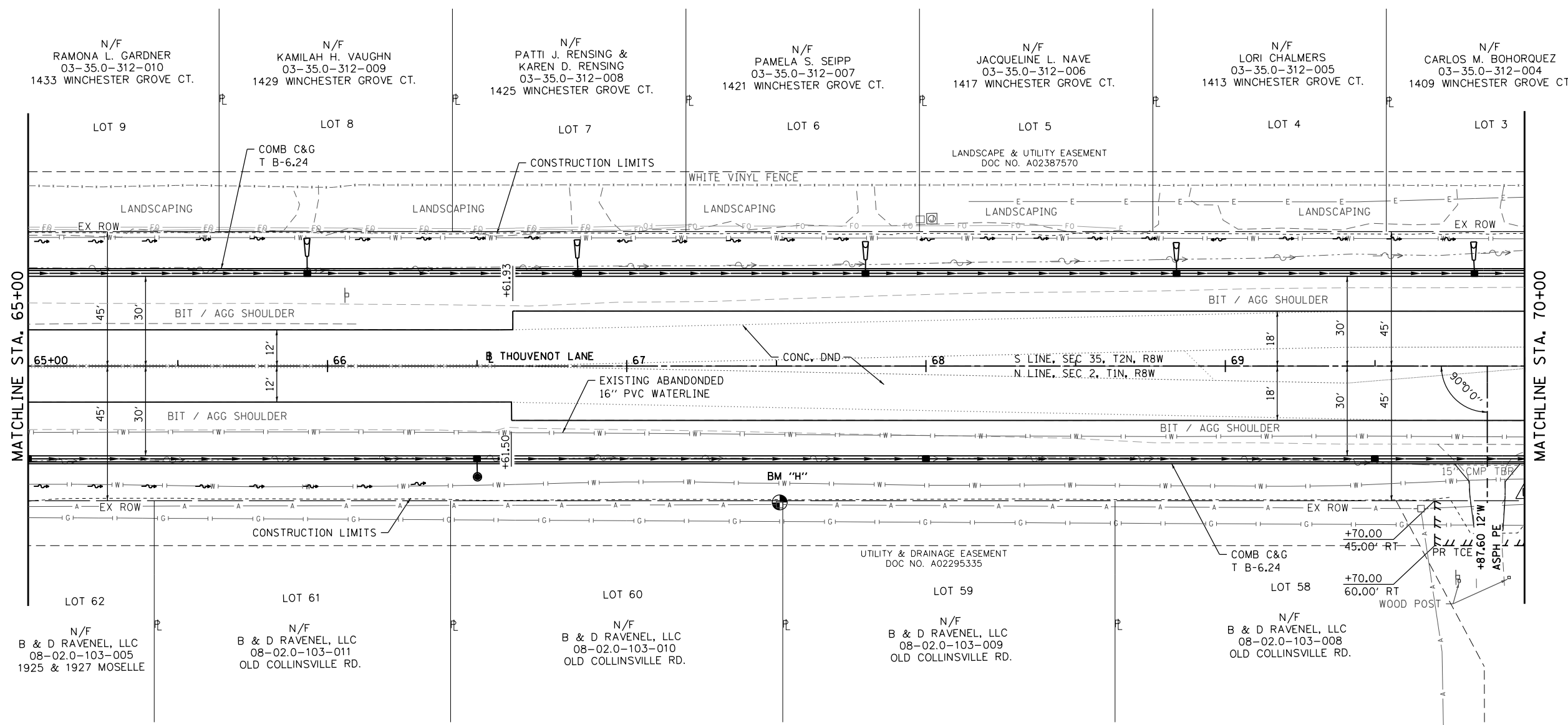
**PLAN AND PROFILE SHEETS**  
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F.A.U. RTE. 9330	SECTION 13-00301-15-PW	COUNTY ST. CLAIR	TOTAL SHEETS 251	SHEET NO. 29
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	REVISIONS
	NO.
	DATE

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES
	CHECKED
	STRUCTURE
	NOTATIONS
	CHPND
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	DATE

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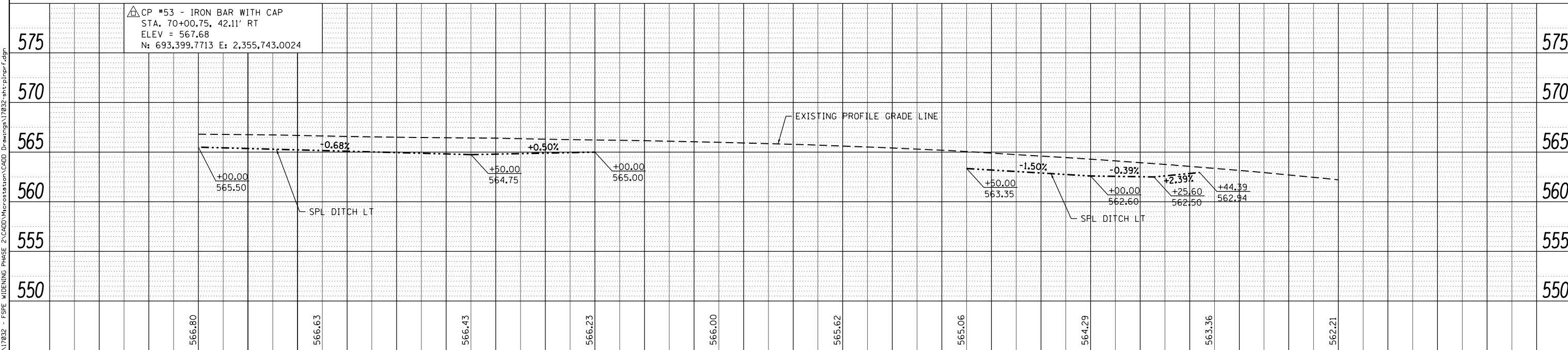
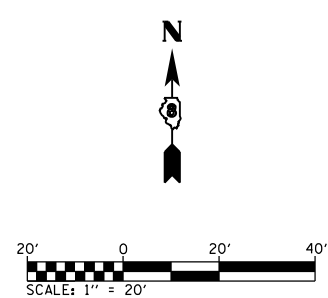
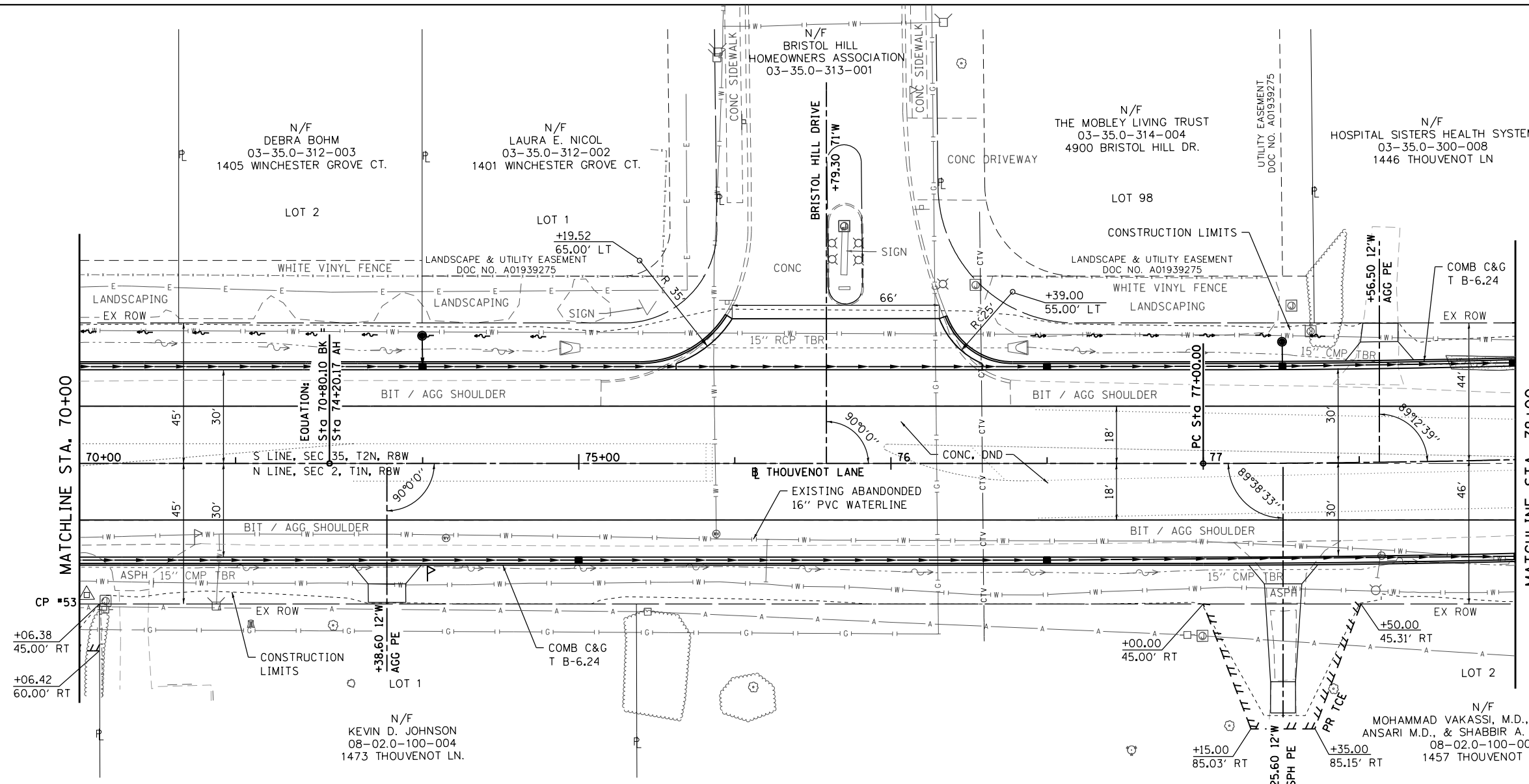


 OATES ASSOCIATES www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO. 184.001115	USER NAME = scott.feidt DESIGNED - DRAWN - CHECKED - DATE -	DESIGNED - REVISIONS - CHECKED - DATE -	REVISIONS - CHECKED - DATE -	 ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES	<b>PLAN AND PROFILE SHEETS</b>		F.A.U. RE. 9330 SECTION 13-00301-15-PW COUNTY ST. CLAIR TOTAL SHEETS 251 SHEET NO. 30 CONTRACT NO. 97752
	PLOT SCALE = 40.0000' / in. PLOT DATE = 10/18/2021	SCALE: 1" = 20' SHEET NO. 3 OF 18 SHEETS STA. 65+00 TO STA. 70+00	ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO. _____	
	BY _____	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO. _____	
	BY _____	

MODEL NAME = Sheet04  
 FILE NAME = I:\V17832 - FSFE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17832-ant-bl-rpr.f.dgn



 <b>OATES ASSOCIATES</b> www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = scott.feldt	DESIGNED -	REVISED -	 <b>ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES</b>	<b>PLAN AND PROFILE SHEETS</b> SCALE: 1" = 20' SHEET NO. 4 OF 18 SHEETS STA. 70+00 TO STA. 78+00		F.A.U. RTE. 9330	SECTION 13-00301-15-PW	COUNTY ST. CLAIR	TOTAL SHEETS 251	SHEET NO. 31
	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -				CONTRACT NO. 97752				
	PLOT DATE = 10/18/2021	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				

PROP. CURVE  
 PI STA. = 78+34.37  
 $\Delta = 3^\circ 45' 15''$  (LT)  
 $D = 1^\circ 23' 51''$   
 $R = 4,100.00'$   
 $T = 134.37'$   
 $L = 268.64'$   
 $E = 2.20'$   
 P.C. STA. = 77+00.00  
 P.R.C. STA. = 79+68.64

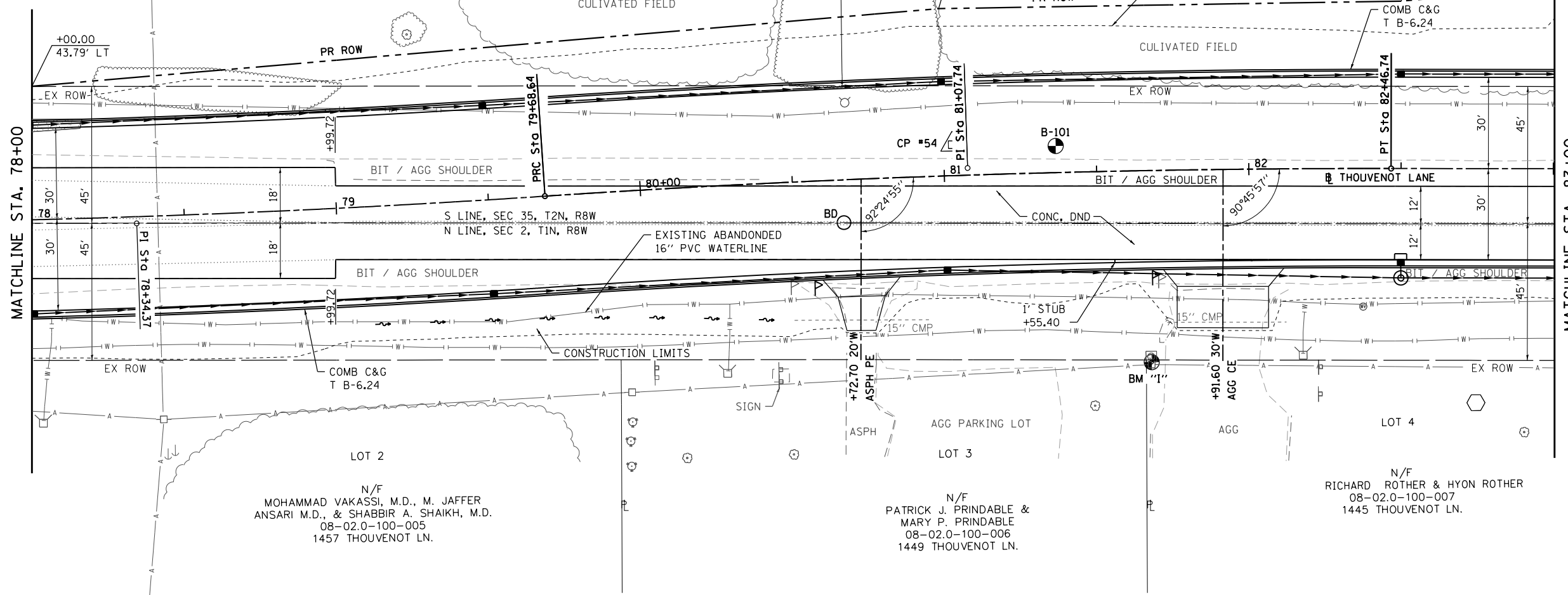
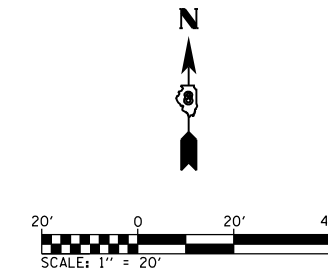
03-35.0-300-008  
 1446 THOUVENOT LN

03-35.0-400-016  
 THOUVENOT LN

N/F  
 HOSPITAL SISTERS HEALTH SYSTEM

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
FILE NAME	
NO.	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
NOTE BOOK	
NO.	
FILE NAME	
NO.	



PROP. CURVE  
 PI STA. = 81+07.74  
 $\Delta = 3^\circ 53' 11''$  (RT)  
 $D = 1^\circ 23' 51''$   
 $R = 4,100.00'$   
 $T = 139.10'$   
 $E = 2.36'$   
 P.C. STA. = 79+68.64  
 P.T. STA. = 82+46.74

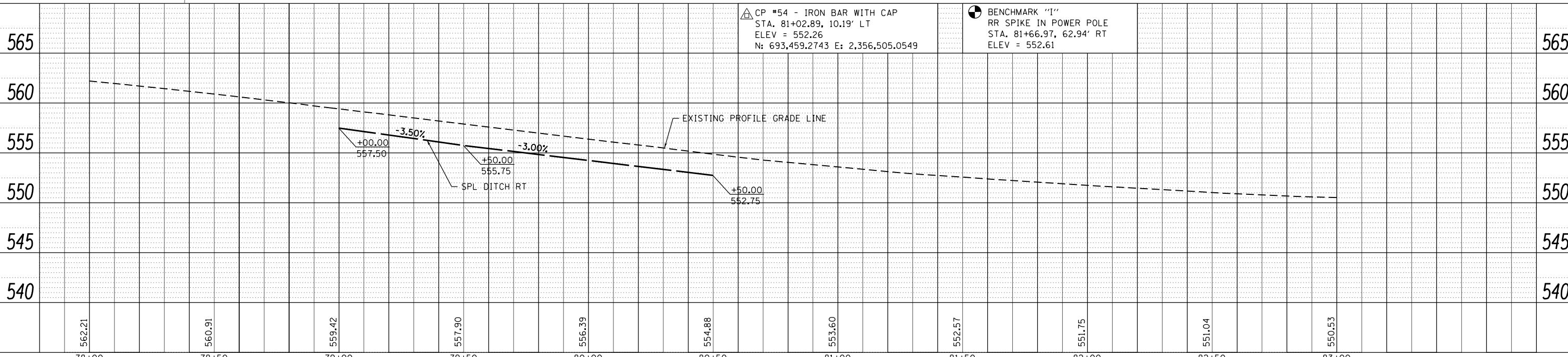
N/F  
 MOHAMMAD VAKASSI, M.D., M. JAFFER  
 ANSARI M.D., & SHABBIR A. SHAIKH, M.D.  
 08-02.0-100-005  
 1457 THOUVENOT LN.

N/F  
 PATRICK J. PRINDABLE &  
 MARY P. PRINDABLE  
 08-02.0-100-006  
 1449 THOUVENOT LN.

N/F  
 RICHARD ROTHER & HYON ROTHER  
 08-02.0-100-007  
 1445 THOUVENOT LN.

△ CP #54 - IRON BAR WITH CAP  
 STA. 81+02.89, 10.19' LT  
 ELEV = 552.26  
 N: 693,459.2743 E: 2,356,505.0549

⊙ BENCHMARK "1"  
 RR SPIKE IN POWER POLE  
 STA. 81+66.97, 62.94' RT  
 ELEV = 552.61



MODEL NAME = Sheet05  
 FILE NAME = 14517832 - FSFE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17832-ant-b1-prf.dgn

**OATES ASSOCIATES**  
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = scott.feldt	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



**ST. CLAIR COUNTY DEPARTMENT  
 OF ROADS AND BRIDGES**

**PLAN AND PROFILE SHEETS**

SCALE: 1" = 20' SHEET NO. 5 OF 18 SHEETS STA. 78+00 TO STA. 83+00

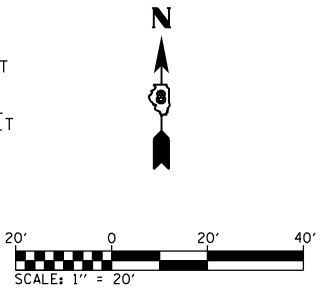
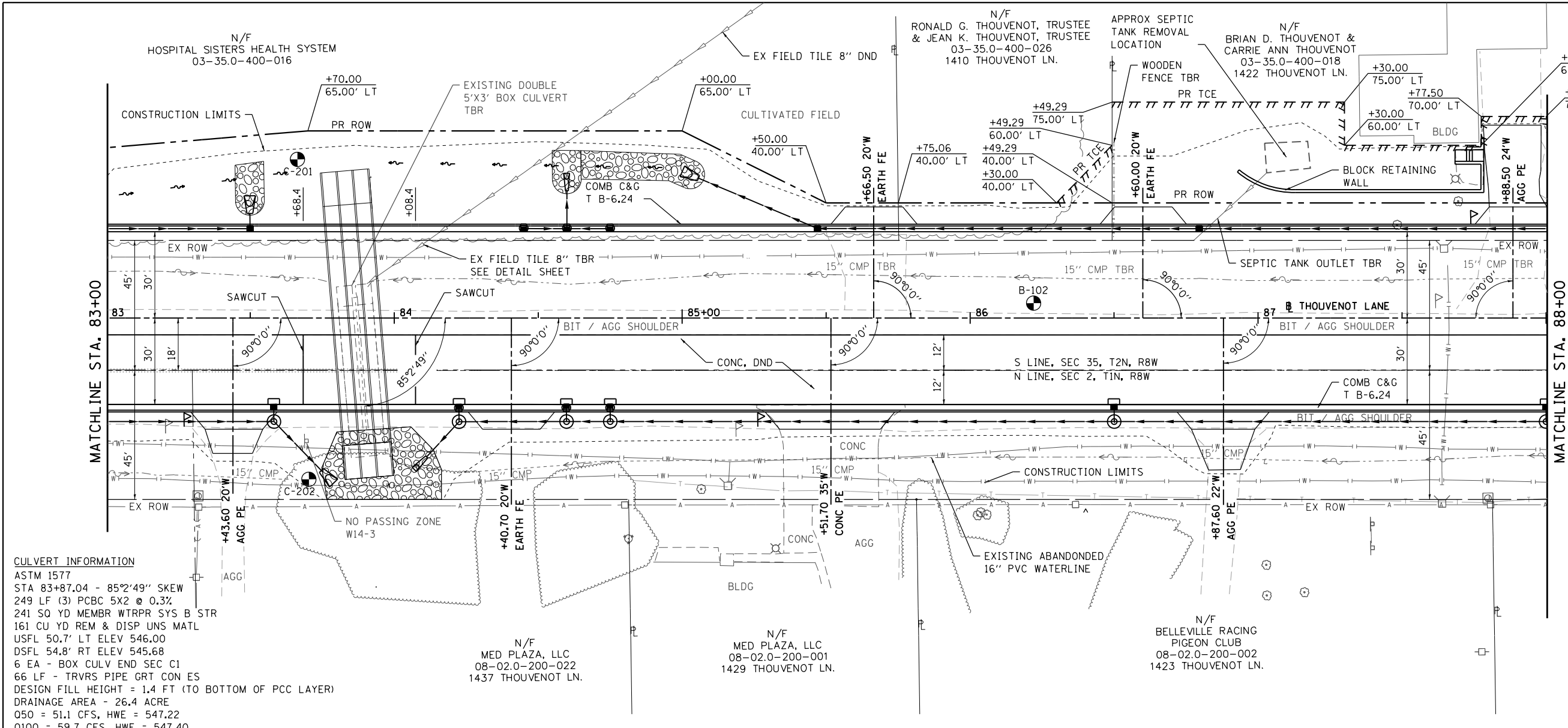
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	32
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



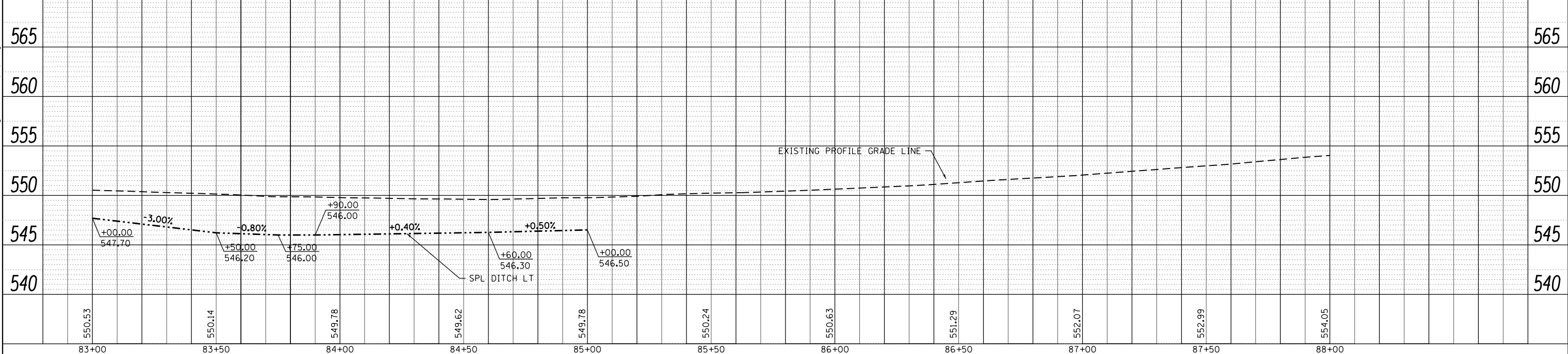
PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	

MODEL NAME = Sheet06  
 FILE NAME = I:\V17832 - FSFE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17832-ant-bl-rpr-f.dgn



**CULVERT INFORMATION**  
 ASTM 1577  
 STA 83+87.04 - 85°2'49" SKEW  
 249 LF (3) PCBC 5X2 @ 0.3%  
 241 SQ YD MEMBR WTRPR SYS B STR  
 161 CU YD REM & DISP UNS MATL  
 USFL 50.7' LT ELEV 546.00  
 DSFL 54.8' RT ELEV 545.68  
 6 EA - BOX CULV END SEC C1  
 66 LF - TRVRS PIPE GRT CON ES  
 DESIGN FILL HEIGHT = 1.4 FT (TO BOTTOM OF PCC LAYER)  
 DRAINAGE AREA - 26.4 ACRE  
 Q50 = 51.1 CFS, HWE = 547.22  
 Q100 = 59.7 CFS, HWE = 547.40

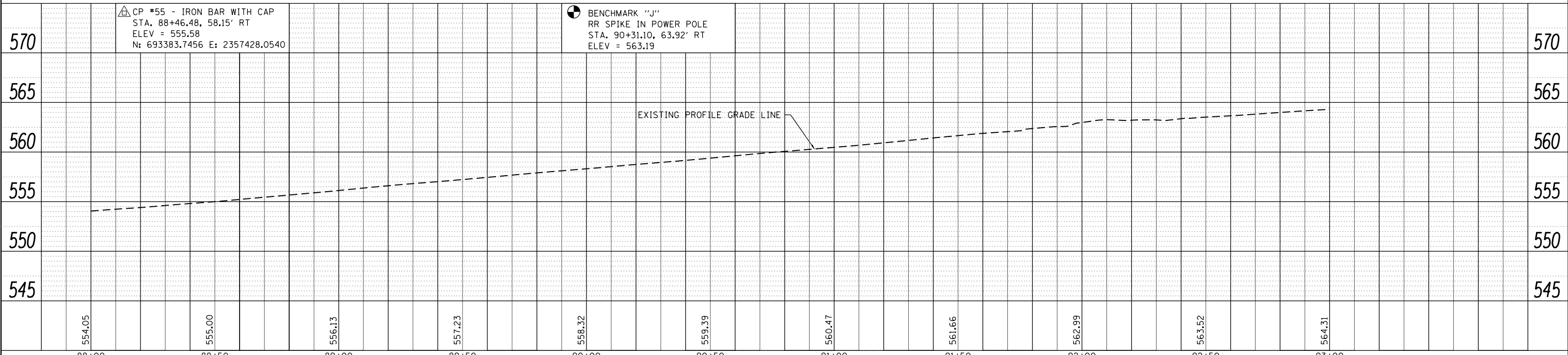
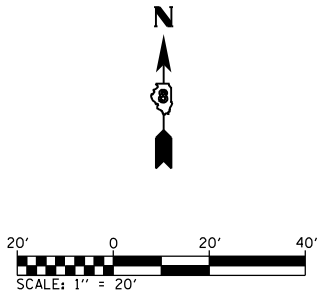
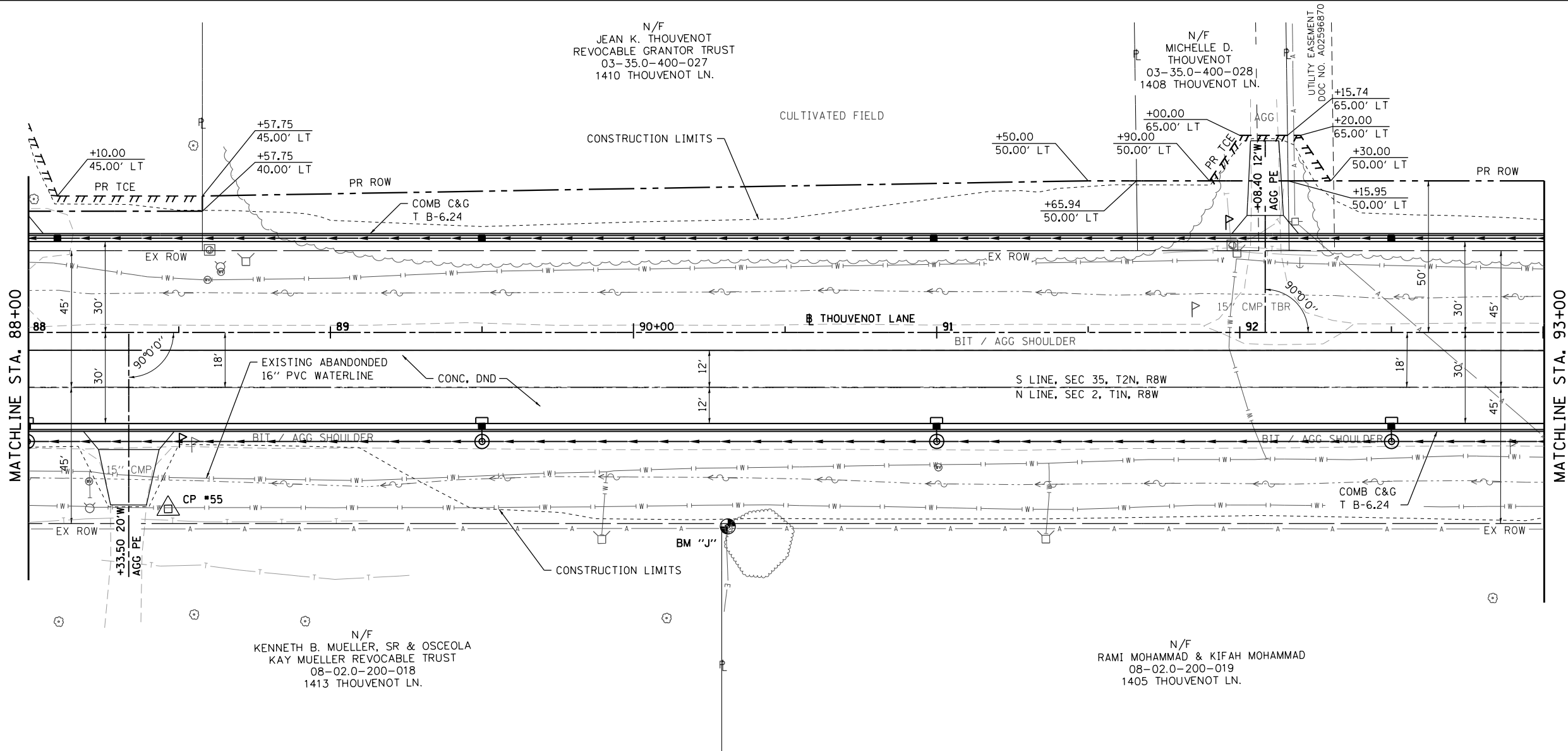


 OATES ASSOCIATES www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO: 184.001115	USER NAME = scott.feldt DESIGNED - DRAWN - CHECKED - DATE -	DESIGNED - REVISIONS - REVISIONS - REVISIONS - REVISIONS -	ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES	PLAN AND PROFILE SHEETS SCALE: 1" = 20' SHEET NO. 6 OF 18 SHEETS STA. 83+00 TO STA. 88+00	F.A.U. R.T.E. 9330 SECTION 13-00301-15-PW COUNTY ST. CLAIR TOTAL SHEETS 251 SHEET NO. 33 CONTRACT NO. 97752 ILLINOIS FED. AID PROJECT
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PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	FILED		
	NO.		

MODEL NAME = Sheet07  
 FILE NAME = I:\V17832 - FSPE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17832-ant-b1-prf.dgn



88+00	88+50	89+00	89+50	90+00	90+50	91+00	91+50	92+00	92+50	93+00
554.05	555.00	556.13	557.23	558.32	559.39	560.47	561.66	562.99	563.52	564.31
DESIGNED -	DESIGNED -	DESIGNED -	DESIGNED -	DESIGNED -	DESIGNED -	DESIGNED -	DESIGNED -	DESIGNED -	DESIGNED -	DESIGNED -
DRAWN -	DRAWN -	DRAWN -	DRAWN -	DRAWN -	DRAWN -	DRAWN -	DRAWN -	DRAWN -	DRAWN -	DRAWN -
CHECKED -	CHECKED -	CHECKED -	CHECKED -	CHECKED -	CHECKED -	CHECKED -	CHECKED -	CHECKED -	CHECKED -	CHECKED -
DATE -	DATE -	DATE -	DATE -	DATE -	DATE -	DATE -	DATE -	DATE -	DATE -	DATE -

**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = scott.feldt	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**PLAN AND PROFILE SHEETS**  
 SCALE: 1" = 20' SHEET NO. 7 OF 18 SHEETS STA. 88+00 TO STA. 93+00

F.A.U. RTE. 9330	SECTION 13-00301-15-PW	COUNTY ST. CLAIR	TOTAL SHEETS 251	SHEET NO. 34
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

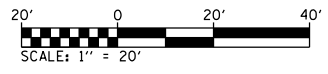
N/F  
GREENMOUNT RETAIL CENTER, LLC  
03-35.0-400-023  
HARTMAN LANE

CULTIVATED FIELD

+00.00  
60.00' LT

CONSTRUCTION LIMITS

+96.69  
54.49' LT

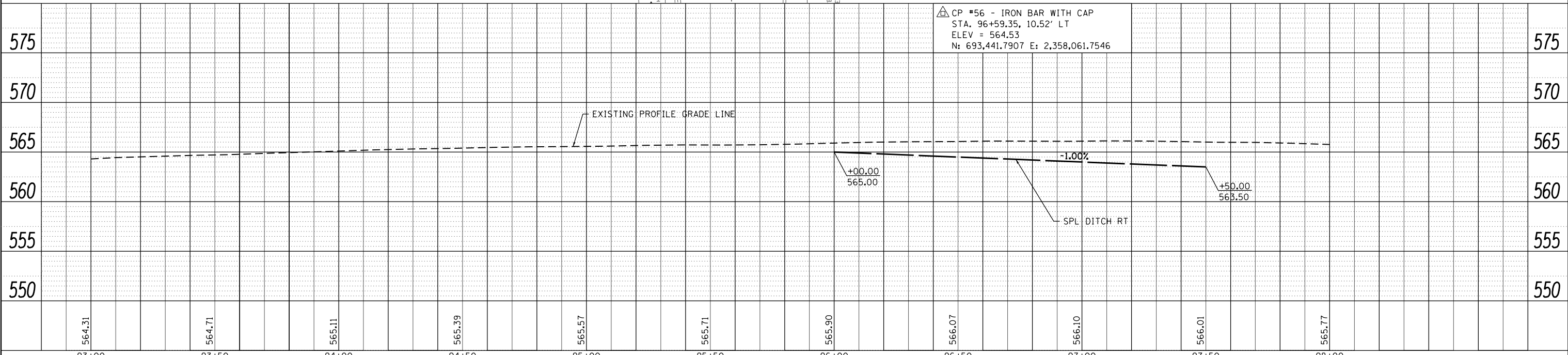
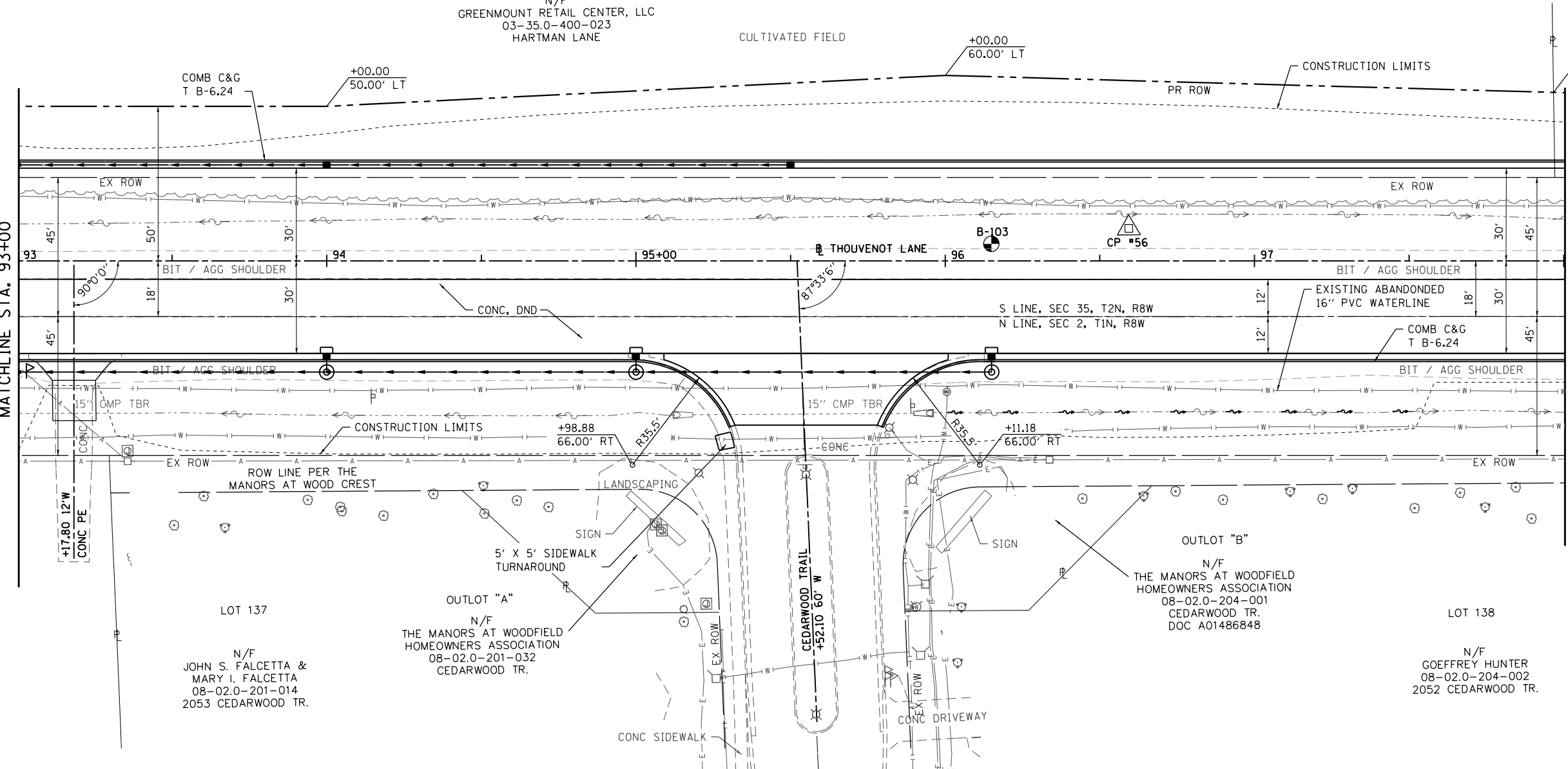


PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
NOTE BOOK NO.	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	FILE NAME	

MATCHLINE STA. 93+00

MATCHLINE STA. 98+00



MODEL NAME = Sheet08  
FILE NAME = 14V17832 - FSPE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17832-ant-bl-rpt-f.dgn

USER NAME = scott.feldt	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

PLAN AND PROFILE SHEETS	
SCALE: 1" = 20'	SHEET NO. 8 OF 18 SHEETS
STA. 93+00	TO STA. 98+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	35
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

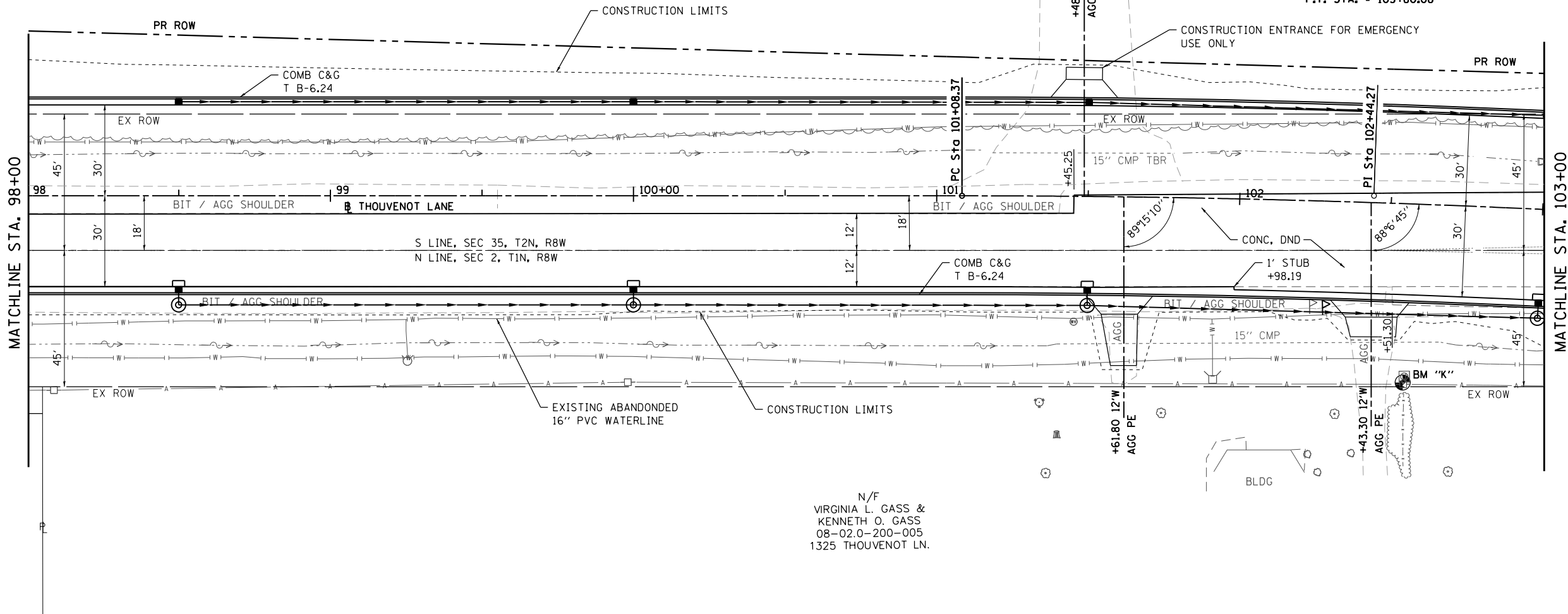
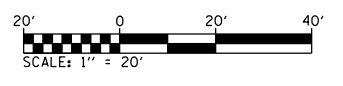
PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

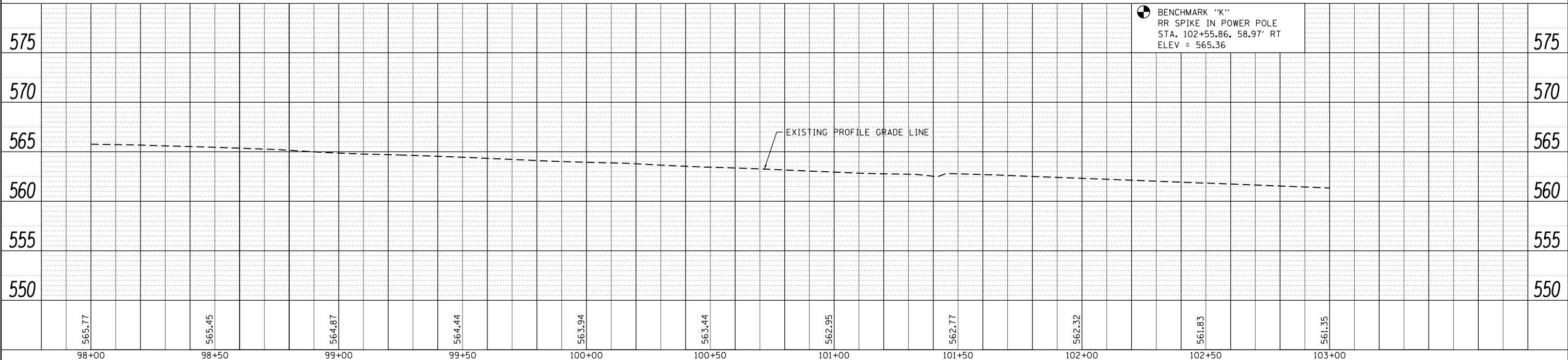
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N/F  
 GREENMOUNT RETAIL CENTER, LLC  
 03-35.0-400-031  
 1326 THOUVENOT LN.

PROP. CURVE  
 PI STA. = 102+44.27  
 $\Delta = 3^\circ 47' 49''$  (RT)  
 $D = 1^\circ 23' 51''$   
 $R = 4,100.00'$   
 $T = 135.90'$   
 $L = 271.71'$   
 $E = 2.25'$   
 P.C. STA. = 101+08.37  
 P.T. STA. = 103+80.08



N/F  
 VIRGINIA L. GASS &  
 KENNETH O. GASS  
 08-02.0-200-005  
 1325 THOUVENOT LN.



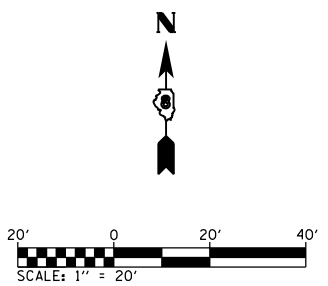
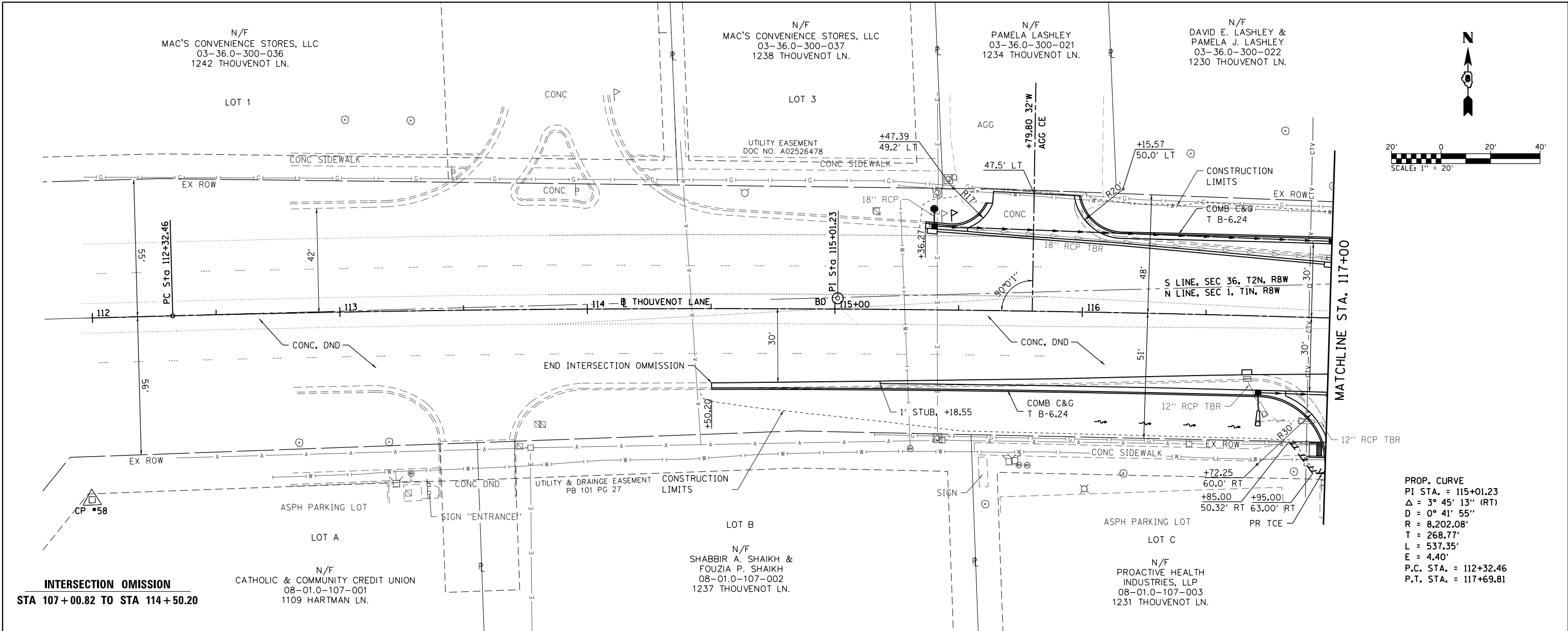
 <b>OATES ASSOCIATES</b> ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = scott.feldt DESIGNED - DRAWN - CHECKED - DATE -	DESIGNED - REVISED - CHECKED - REVISED - DATE -	DESIGNED - REVISED - CHECKED - REVISED - DATE -	 <b>ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES</b>	<b>PLAN AND PROFILE SHEETS</b>		F.A.U. RTE. 9330 SECTION 13-00301-15-PW COUNTY ST. CLAIR TOTAL SHEETS 251 SHEET NO. 36 CONTRACT NO. 97752
	PLOT SCALE = 40.0000' / in. PLOT DATE = 10/18/2021	SCALE: 1" = 20' SHEET NO. 9 OF 18 SHEETS STA. 98+00 TO STA. 103+00	ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	

MODEL NAME = Sheet11  
 FILE NAME = H:\V17832 - FSFE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17832-ant-bl-prf.dgn



**INTERSECTION OMISSION**  
 STA 107+00.82 TO STA 114+50.20

**PROP. CURVE**  
 PI STA. = 115+01.23  
 $\Delta = 3^\circ 45' 13''$  (RT)  
 $D = 0^\circ 41' 55''$   
 $R = 8,202.08'$   
 $T = 268.77'$   
 $L = 537.35'$   
 $E = 4.40'$   
 P.C. STA. = 112+32.46  
 P.T. STA. = 117+69.81

570	CP #58 - IRON BAR WITH CAP STA. 111+97.93, 73.38' RT ELEV = 561.30 N: 693,319.7701 E: 2,359,599.2684	570								
565		565								
560	EXISTING PROFILE GRADE LINE	560								
555		555								
550		550								
545		545								
112+00	112+50	113+00	113+50	114+00	114+50	115+00	115+50	116+00	116+50	117+00

 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = scott.feldt	DESIGNED -	REVISED -	 <b>ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES</b>	<b>PLAN AND PROFILE SHEETS</b> SCALE: 1" = 20'    SHEET NO. 11 OF 18 SHEETS    STA.    TO STA. 117+00		F.A.U. RTE. 9330	SECTION 13-00301-15-PW	COUNTY ST. CLAIR	TOTAL SHEETS 251	SHEET NO. 38
	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -				CONTRACT NO. 97752 ILLINOIS FED. AID PROJECT				
	PLOT DATE = 10/18/2021	DATE -	REVISED -								

DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	NOTE BOOK
	NO.
	NO.
	NO.
	NO.

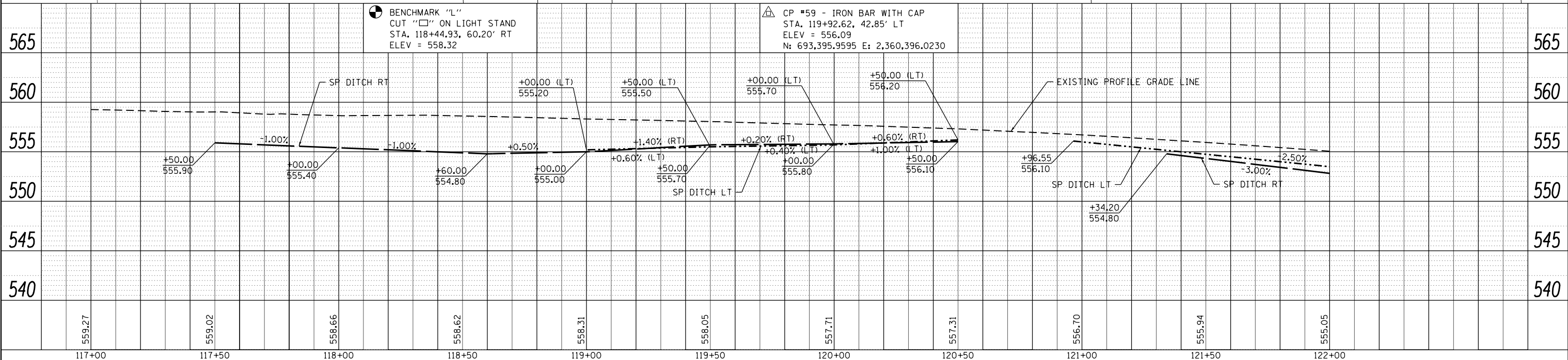
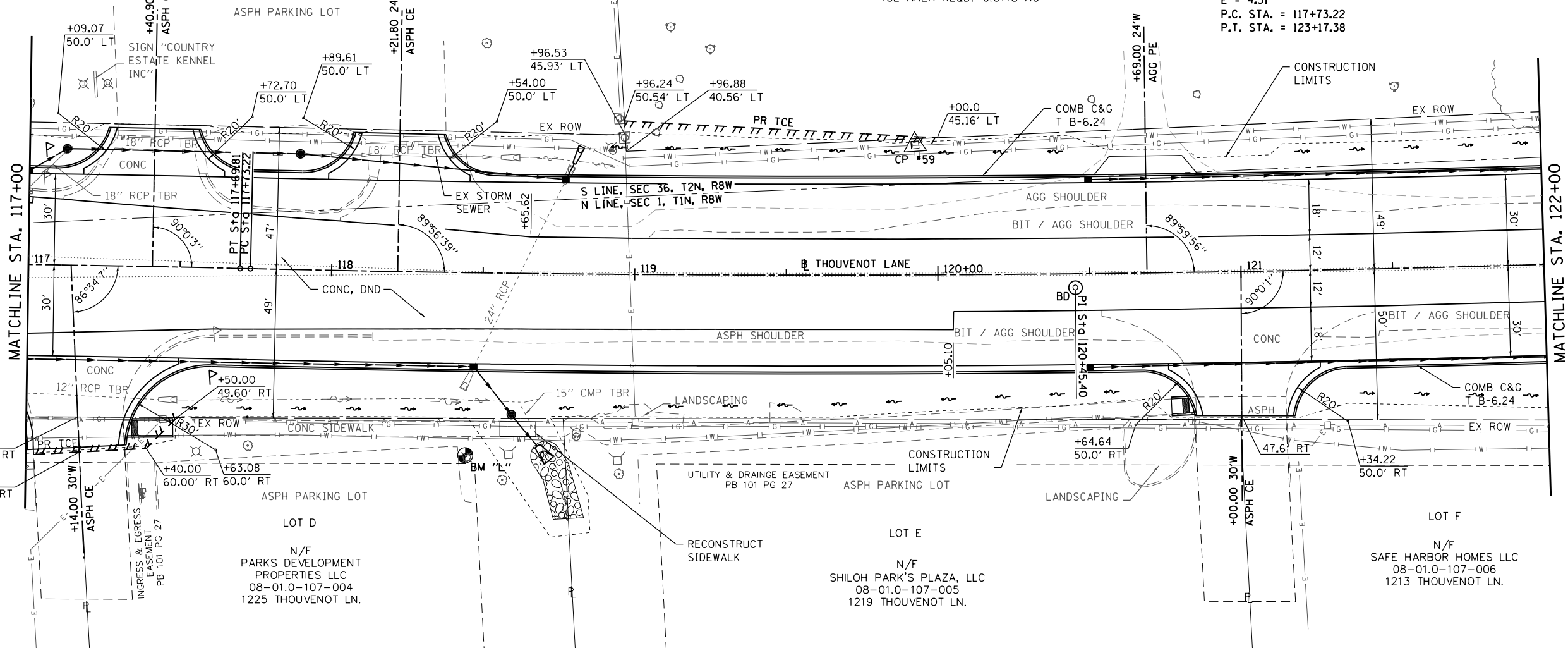
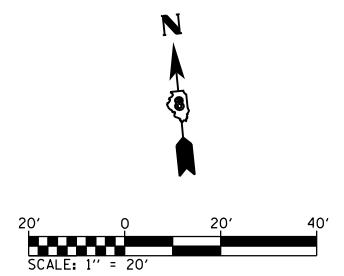
DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	NOTE BOOK
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	NO.
	NO.
	NO.

MODEL NAME = Sheet12  
 FILE NAME = I:\V17822 - FSFE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17822-ant-b1.rpt.dgn

N/F  
 DAVID E. LASHLEY &  
 PAMELA J. LASHLEY  
 03-36.0-300-022  
 1230 THOUVENOT LN.

N/F  
 FRANK A GAMERDINGER REVOCABLE  
 LIVING TRUST AGREEMENT  
 03-36.0-300-018  
 1226 THOUVENOT LN.  
 DOC A02325019  
 TCE AREA REQD: 0.0118 AC

PROP. CURVE  
 PI STA. = 120+45.40  
 $\Delta = 3^\circ 48' 05''$  (LT)  
 $D = 0^\circ 41' 55''$   
 $R = 8,202.08'$   
 $T = 272.18'$   
 $L = 544.16'$   
 $E = 4.51'$   
 P.C. STA. = 117+73.22  
 P.T. STA. = 123+17.38



117+00	117+50	118+00	118+50	119+00	119+50	120+00	120+50	121+00	121+50	122+00
559.27	559.02	558.66	558.62	558.31	558.05	557.71	557.31	556.70	555.94	555.05

USER NAME = scott.feldt	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

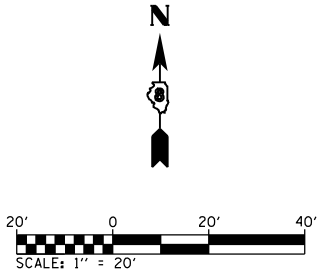
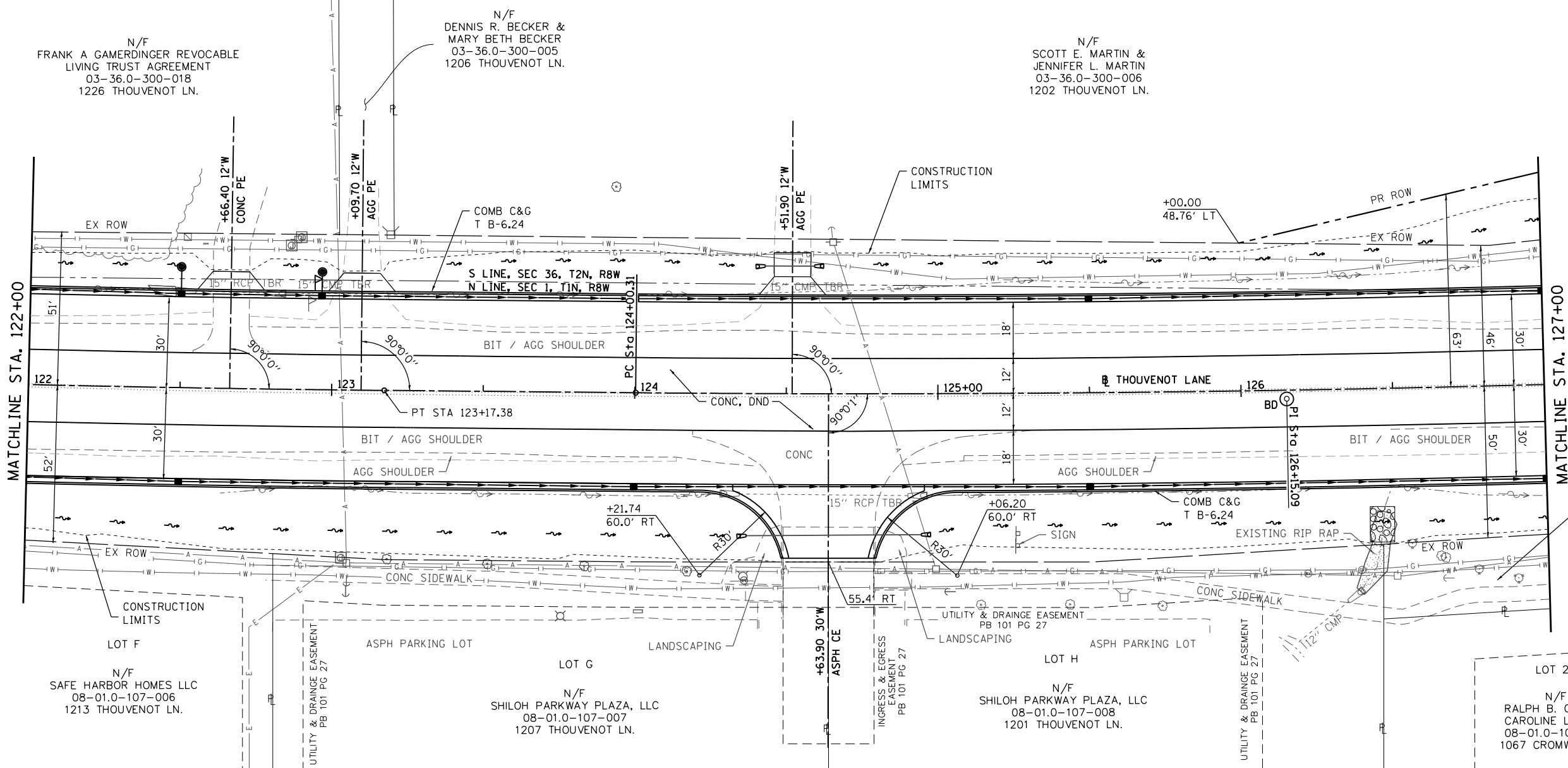
PLAN AND PROFILE SHEETS	
SCALE: 1" = 20'	SHEET NO. 12 OF 18 SHEETS
STA. 117+00	TO STA. 122+00

F.A.U. R.T.E. 9330	SECTION 13-00301-15-PW	COUNTY ST. CLAIR	TOTAL SHEETS 251	SHEET NO. 39
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	NO. _____
	FILE NAME

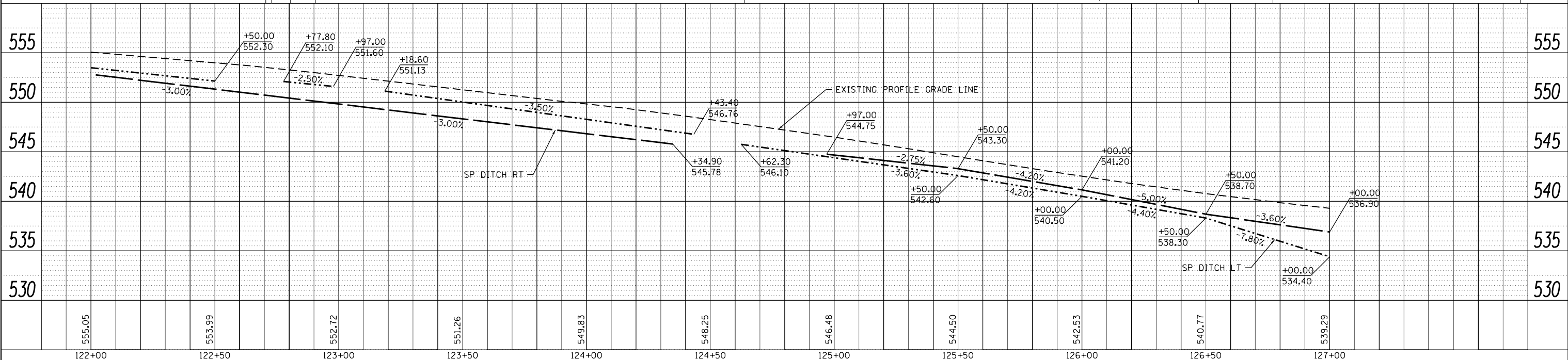
DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	NO. _____
	FILE NAME

MODEL NAME = Sheet13  
 FILE NAME = H:\V17832 - FSPE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17832-ant-b1-prp-f.dgn



N/F  
 ST. CLAIR COUNTY, TRUSTEE  
 08-01.0-107-022  
 CROMWELL LN.  
 DOC A02355344

PROP. CURVE  
 PI STA. = 126+15.09  
 $\Delta = 3^\circ 00' 00''$  (LT)  
 $D = 0^\circ 41' 55''$   
 $R = 8,202.08'$   
 $T = 214.78'$   
 $L = 429.46'$   
 $E = 2.81'$   
 P.C. STA. = 124+00.31  
 P.T. STA. = 128+29.77



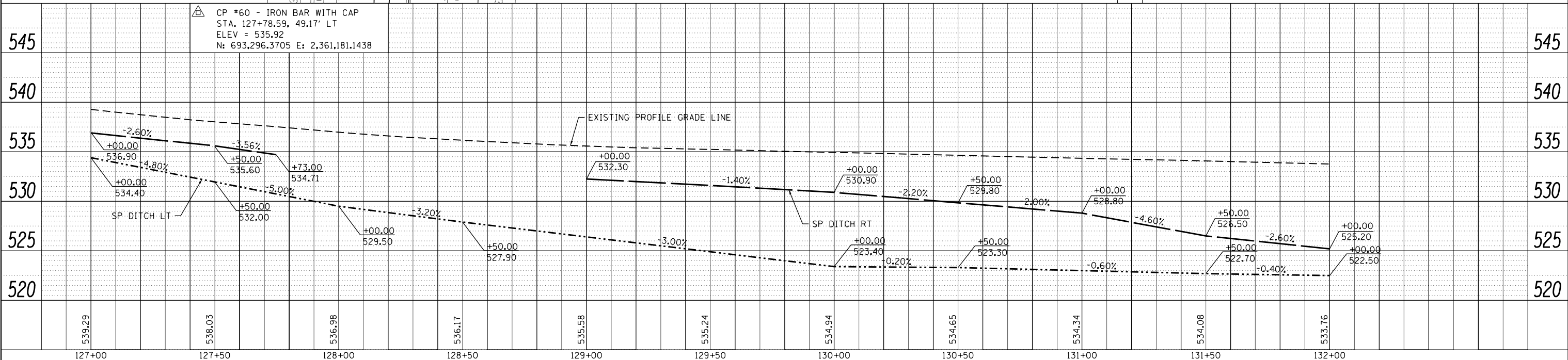
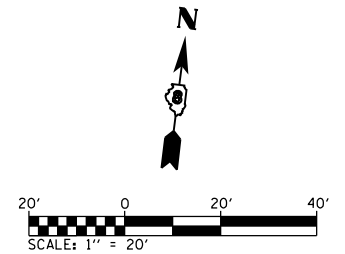
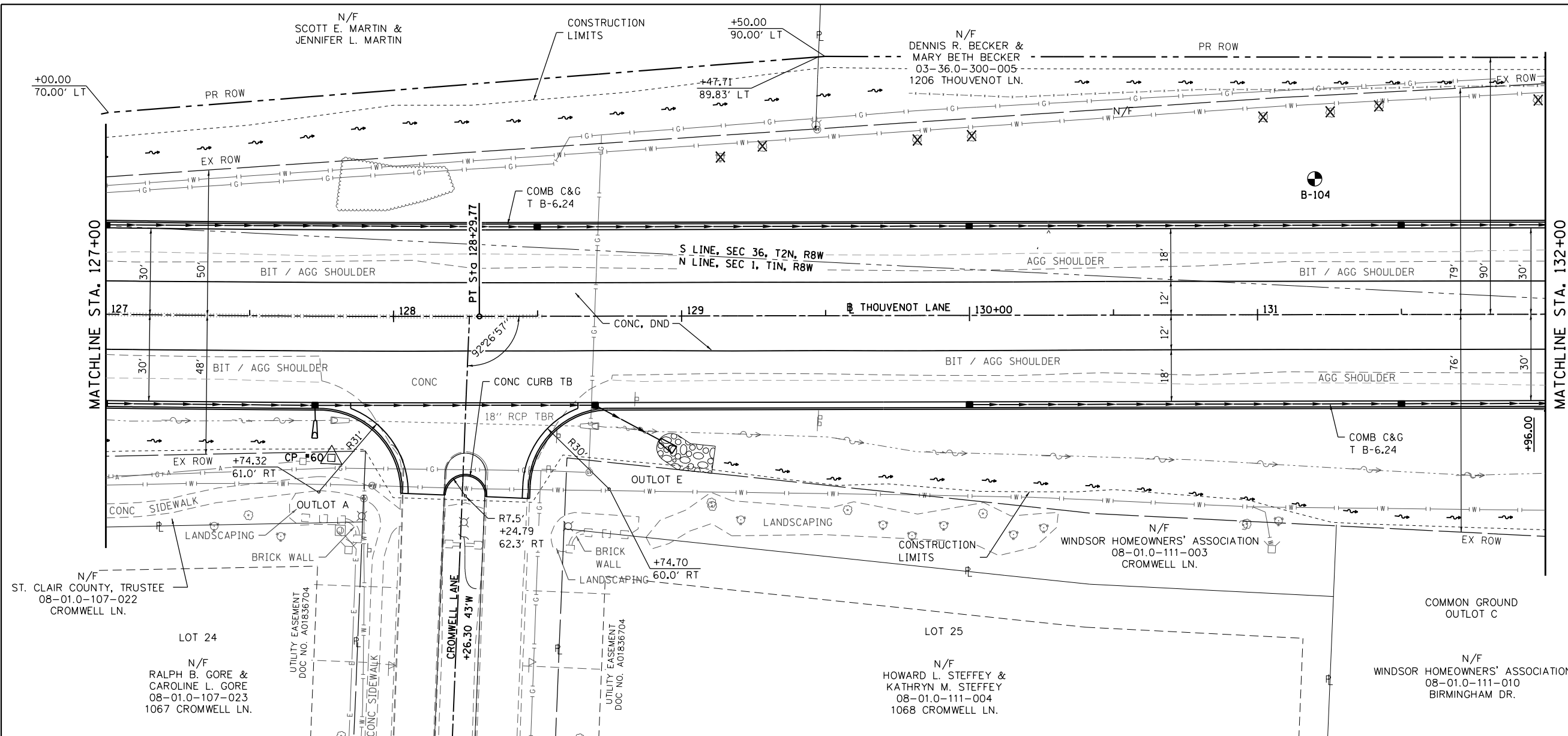
 <b>OATES ASSOCIATES</b> www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = scott.feldt DESIGNED - DRAWN - CHECKED - DATE -	DESIGNED - REVISED - CHECKED - REVISED - DATE -	REVISED - REVISED - REVISED - REVISED -	 <b>ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES</b>	<b>PLAN AND PROFILE SHEETS</b>		F.A.U. RTE. 9330 SECTION 13-00301-15-PW COUNTY ST. CLAIR TOTAL SHEETS 251 SHEET NO. 40 CONTRACT NO. 97752
	SCALE: 1" = 20' SHEET NO. 13 OF 18 SHEETS STA. 122+00 TO STA. 127+00	ILLINOIS FED. AID PROJECT					



PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

MODEL NAME = Sheet14  
 FILE NAME = I:\V1782 - FSPE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\178232-ant-b1prp1.dgn



127+00	127+50	128+00	128+50	129+00	129+50	130+00	130+50	131+00	131+50	132+00
539.29	538.03	536.98	536.17	535.58	535.24	534.94	534.65	534.34	534.08	533.76

**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = scott.feldt	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

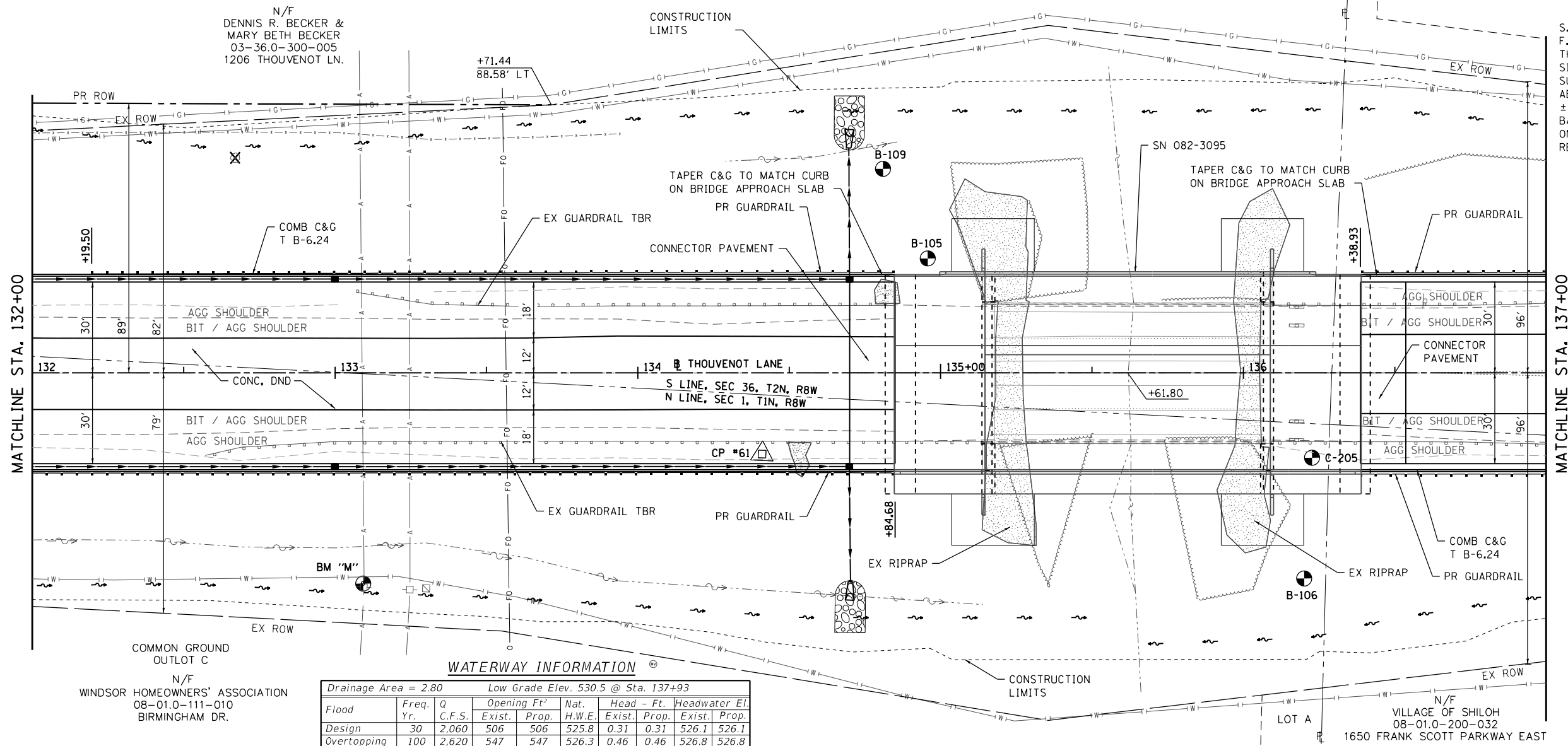
**PLAN AND PROFILE SHEETS**  
 SCALE: 1" = 20' SHEET NO. 14 OF 18 SHEETS STA. 127+00 TO STA. 132+00

F.A.U. RTE. 9330	SECTION 13-00301-15-PW	COUNTY ST. CLAIR	TOTAL SHEETS 251	SHEET NO. 41
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

S.N. 082-3095, ORIGINALLY BUILT IN 2001 AS F.A.U. ROUTE 9330, SECTION 95-00301-02-PV. THE EXISTING STRUCTURE CONSISTS OF A SINGLE SPAN COMPOSITE STEEL PLATE GIRDER SUPERSTRUCTURE SUPPORTED BY SEMI-INTEGRAL ABUTMENTS FOUNDED ON STEEL H PILES, ± 46'-11" OUT TO OUT, ±96'-3" BACK TO BACK ABUTMENTS. STRUCTURE TO BE WIDENED ON EACH SIDE AND EXISTING DECK TO BE REPLACED.

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	
FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	
FILE NAME	

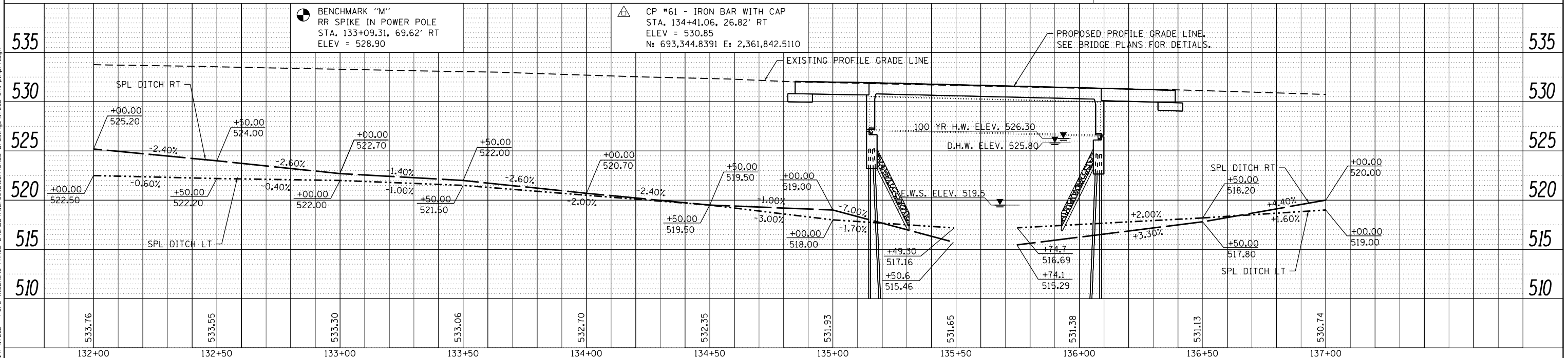


**WATERWAY INFORMATION**

Drainage Area = 2.80		Low Grade Elev. 530.5 @ Sta. 137+93							
Flood Yr.	Q C.F.S.	Opening Exist.	Prop.	Nat. H.W.E.	Head - Ft. Exist.	Prop.	Headwater El. Exist.	Prop.	
Design	30	2,060	506	506	525.8	0.31	0.31	526.1	526.1
Overtopping	100	2,620	547	547	526.3	0.46	0.46	526.8	526.8

N/F WINDSOR HOMEOWNERS' ASSOCIATION  
08-01.0-111-010  
BIRMINGHAM DR.

N/F VILLAGE OF SHILOH  
08-01.0-200-032  
1650 FRANK SCOTT PARKWAY EAST



MODEL NAME = Sheet15  
FILE NAME = RAV17832 - FSPE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17832-ant-b1prp1.fgd



USER NAME = scott.feidt	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

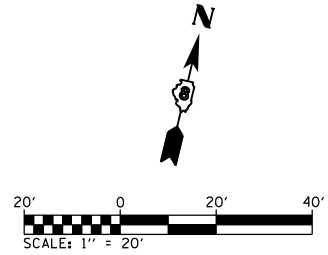
**PLAN AND PROFILE SHEETS**

SCALE: 1" = 20' SHEET NO. 15 OF 18 SHEETS STA. 132+00 TO STA. 137+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	42
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

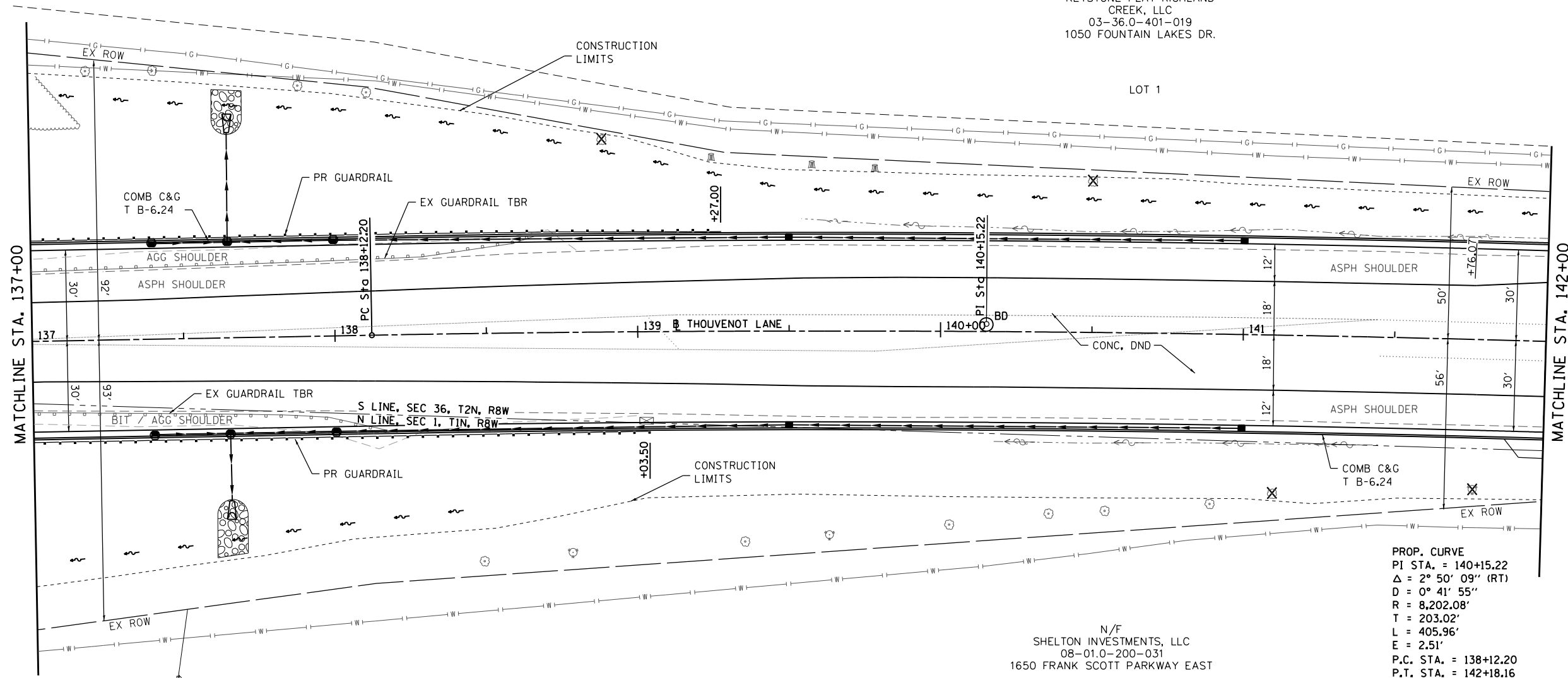
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KEYSTONE PLAT RICHLAND  
CREEK, LLC  
03-36.0-401-019  
1050 FOUNTAIN LAKES DR.

LOT 1



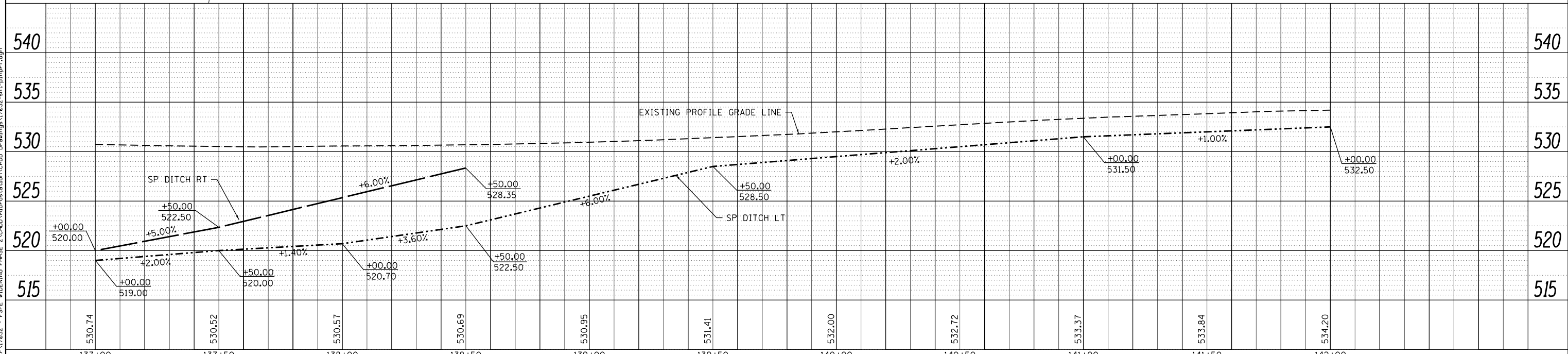
PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	CHECKED	
	FILED	
	NO.	



N/F  
SHELTON INVESTMENTS, LLC  
08-01,0-200-031  
1650 FRANK SCOTT PARKWAY EAST

PROP. CURVE  
PI STA. = 140+15.22  
Δ = 2° 50' 09'' (RT)  
D = 0° 41' 55''  
R = 8,202.08'  
T = 203.02'  
L = 405.96'  
E = 2.51'  
P.C. STA. = 138+12.20  
P.T. STA. = 142+18.16



MODEL NAME = Sheet16  
FILE NAME = P:\V17822 - FSFE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17822-ant-bl-prf.dgn



USER NAME = scott.feldt  
DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISIED -  
REVISIED -  
REVISIED -  
REVISIED -



ST. CLAIR COUNTY DEPARTMENT  
OF ROADS AND BRIDGES

PLAN AND PROFILE SHEETS

SCALE: 1" = 20' SHEET NO. 16 OF 18 SHEETS STA. 137+00 TO STA. 142+00

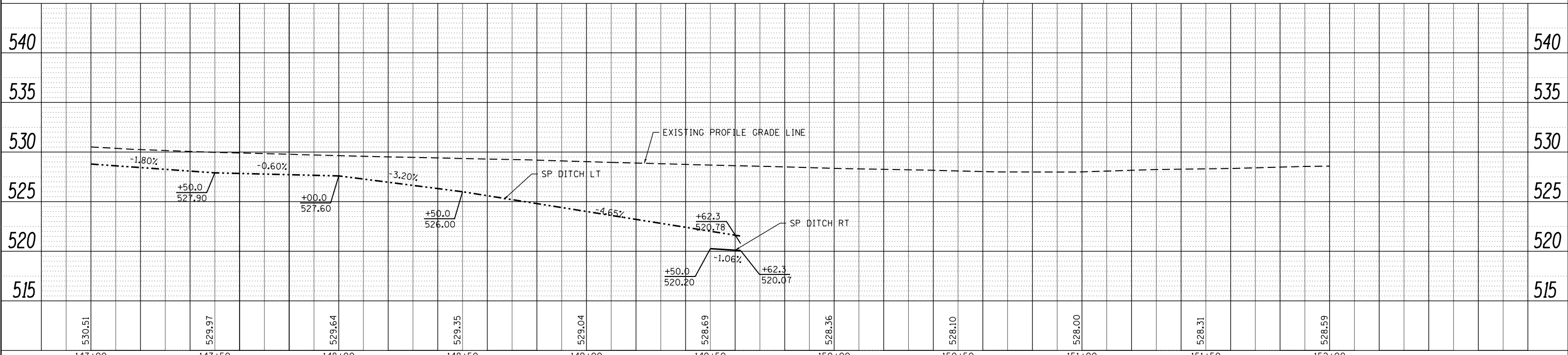
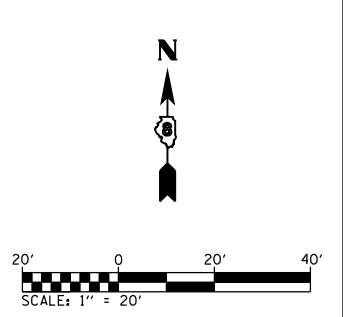
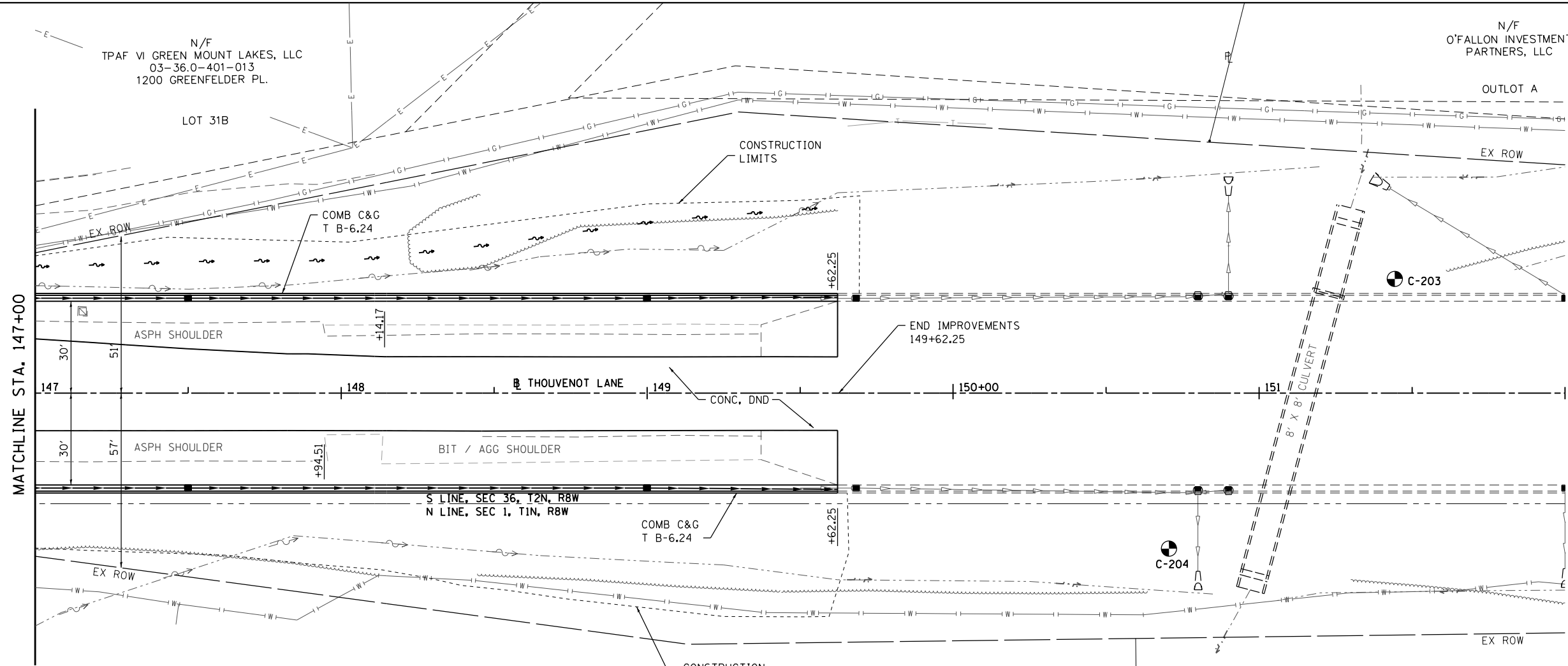
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	43
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	NO.	
	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	NO.	
	CHECKED	
	FILE NAME	

MODEL NAME = Sheet18  
 FILE NAME = I:\V17832 - FSPE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17832-ant-b1.rvt.dgn



**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = scott.feidt	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

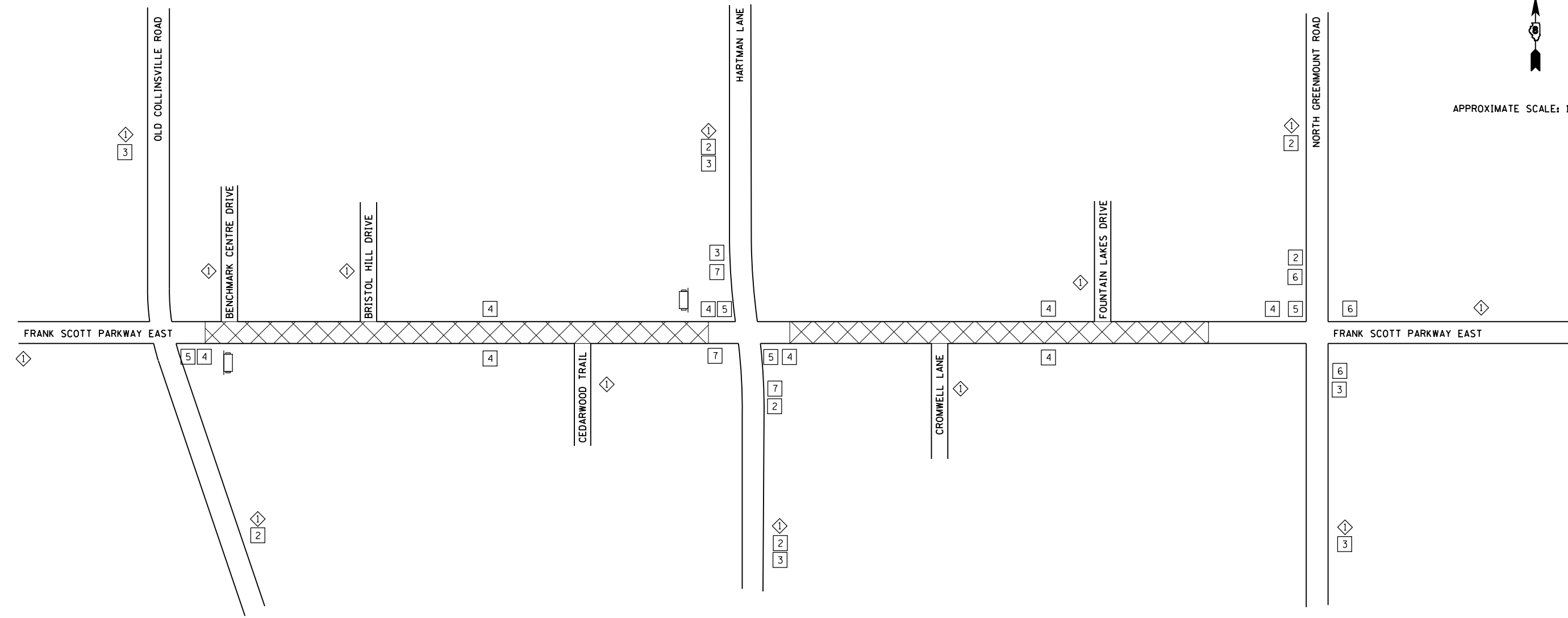
**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**PLAN AND PROFILE SHEETS**  
 SCALE: 1" = 20' SHEET NO. 18 OF 18 SHEETS STA. 147+00 TO STA. 152+00

F.A.U. RTE. 9330	SECTION 13-00301-15-PW	COUNTY ST. CLAIR	TOTAL SHEETS 251	SHEET NO. 45
CONTRACT NO. 97752				ILLINOIS FED. AID PROJECT



APPROXIMATE SCALE: 1" = 500'



### TRAFFIC CONTROL NOTES

1. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
2. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" X 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES AND SIDE ROADS AT ALL TIMES.
4. LONGITUDINAL DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
5. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
6. ALL RESIDENTS FRONTING THE PROJECT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ROAD CLOSURES AFFECTING THEIR ACCESS.
7. MAINTAIN LOCAL ACCESS AT ALL TIMES.
8. REMOVAL OF EXISTING AND TEMPORARY PAINT PAVEMENT MARKINGS SHALL BE DONE USING WATERBLASTING. GRINDING WILL NOT BE ALLOWED.

### TRAFFIC CONTROL PLAN LEGEND

	W20-1103(O)-48 (ROAD CONSTRUCTION AHEAD)		WEST THOUVENOT LANE MAX WIDTH 10 FT XXX FT AHEAD
	24" X 24"		EAST THOUVENOT LANE MAX WIDTH 10 FT XXX FT AHEAD
	24" X 24"		
	R2-1-2430 (SPEED LIMIT 35)		
	R2-5A-2430 (REDUCED SPEED AHEAD)		
	TYPE A LOW INTENSITY FLASHING LIGHT		
	WORK ZONE		
	CHANGEABLE MESSAGE BOARD (PRIOR TO STAGE 1)		

MODEL Stage 0 Layout  
FILE NAME: 13-00301-15-17027 - FSE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17027-shcstage1.dgn



USER NAME = scott.felot	DESIGNED -	REVISED -
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PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL	
SCALE:	SHEET 1 OF 21 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	46
CONTRACT NO. 97752			ILLINOIS FED. AID PROJECT	

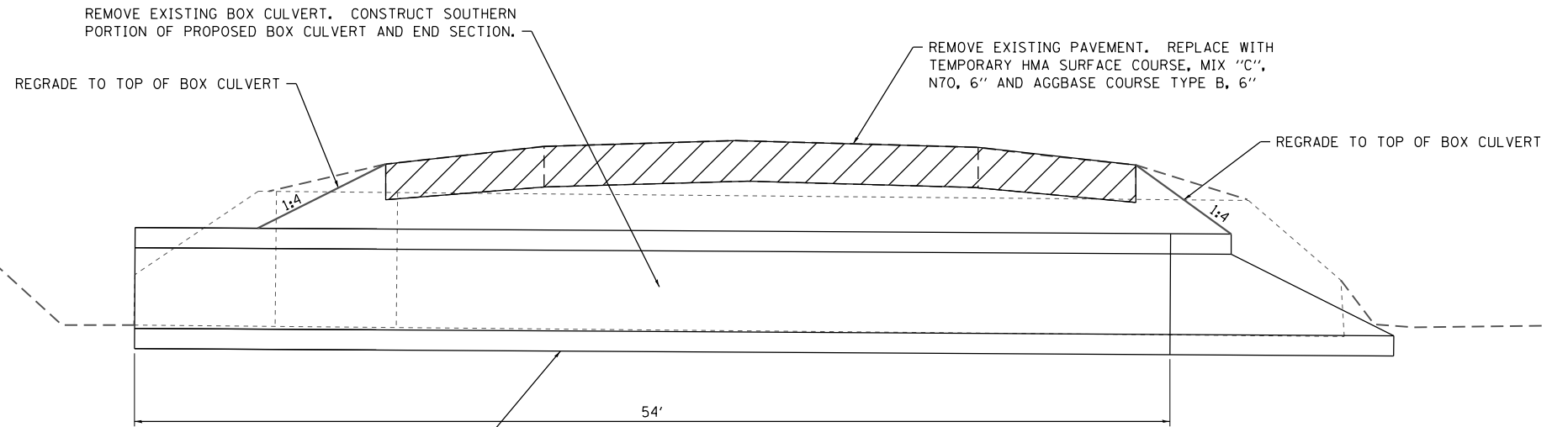
**STAGE 1 SEQUENCE**

1. CONSTRUCT TEMPORARY TRAFFIC CONTROL FOR DETOUR ROUTE.
2. CLOSE THOUVENOT LANE ALLOWING ACCESS FOR RESIDENTS AND BUSINESSES.
3. REMOVE AND REPLACE EXISTING BOX CULVERT.
4. BACKFILL WITH APPROVED MATERIAL.
5. PLACE TEMPORARY HMA PAVEMENT THAT MATCHES EXISTING ROADWAY GRADE.
6. OPEN TO TRAFFIC.

NOTES: CONTRACTOR SHALL GRADE ALL EXISTING DITCHES TO FLOW INTO PROPOSED CULVERT DURING STAGED CONSTRUCTION.

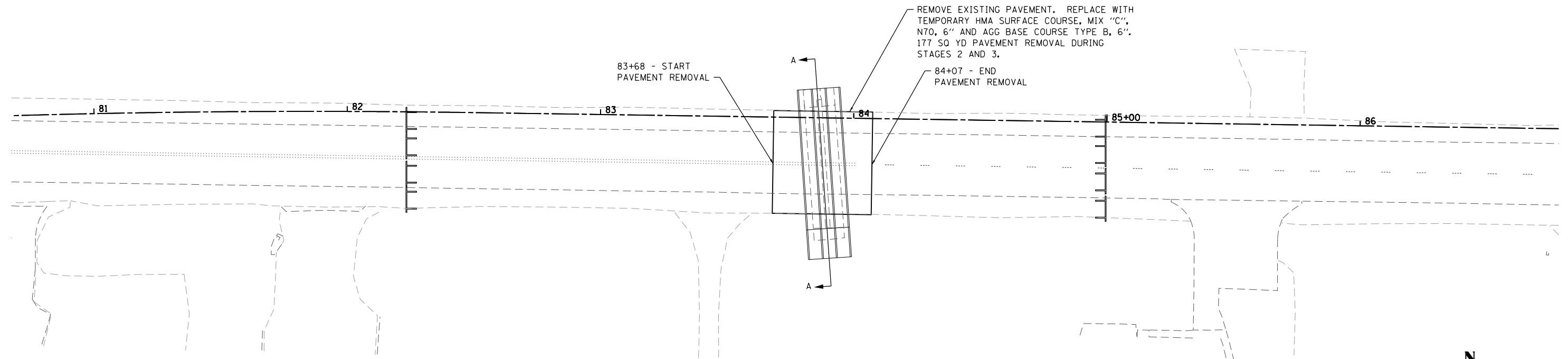
HIGH EARLY STRENGTH CLASS SI CONCRETE SHALL BE USED TO FILL THE VOID BETWEEN BOX CULVERT CELLS.

THE CONTRACTOR WILL BE ALLOWED TO CLOSE THOUVENOT LANE FOR 4 CALENDAR DAYS TO TRAFFIC TO COMPLETE THE WORK SHOWN ON THIS SHEET AND DESCRIBED IN THE BOX CULVERT REPLACEMENT INCENTIVE/DISINCENTIVE SPECIAL PROVISION.



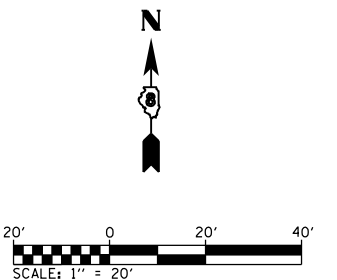
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. TO PROVIDE A UNIFORM BEARING, THE CULVERT FOUNDATION SOILS SHOULD BE EXCAVATED 2 FEET AND EXPOSED 2 FEET Laterally OUTSIDE THE ENTIRE FOOTPRINT OF THE CULVERT AND BACKFILLED WITH ROCKFILL CAPPED WITH 6 INCHES OF CA7 CRUSHED ROCK. ROCKFILL AND CA7 ROCK INCLUDED IN THE COST OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

**DETAIL A-A**  
NOT TO SCALE



**STAGE 1 DETAIL**

STA. 83+87



MODEL Stage 1 Sheet 1  
FILE NAME: I:\R17022 - ES&E WIDENING PHASE 2\CADD\micrstation\CADD Drawings\17022-shcstage1.dgn



USER NAME = scott.felot	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



**ST. CLAIR COUNTY DEPARTMENT  
OF ROADS AND BRIDGES**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**

SCALE: SHEET 2 OF 21 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	47
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

### DETOUR SIGNING NOTES

1. IN ADDITION TO INDICATED DETOUR SIGNING, ALL TYPE III BARRICADES AND ADVANCED WARNING SIGNS SHALL BE FURNISHED AND PLACED PER HIGHWAY STANDARD BLR 21.
2. DETOUR SIGNS REQUIRED WILL BE SUPPLIED BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL FURNISH THE POSTS AND ERECT SIGNS AT THE LOCATIONS SHOWN ON THIS SHEET AND AS DIRECTED BY THE ENGINEER. THE POSTS SHALL BE REMOVED AND REMAIN THE PROPERTY OF THE CONTRACTOR UPON COMPLETION OF THE PROJECT.
4. THE ABOVE NOTED WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, L SUM, FOR TRAFFIC CONTROL AND PROTECTION, SPECIAL. NO OTHER COMPENSATION WILL BE ALLOWED.
5. SIGN SPACING WILL BE 500' OR TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
6. THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL NOT BE LESS THAN 6'.
7. ALL ADVANCE WARNING SIGNS SHALL BE 48" FLUORESCENT ORANGE WITH FLASHING LIGHTS.

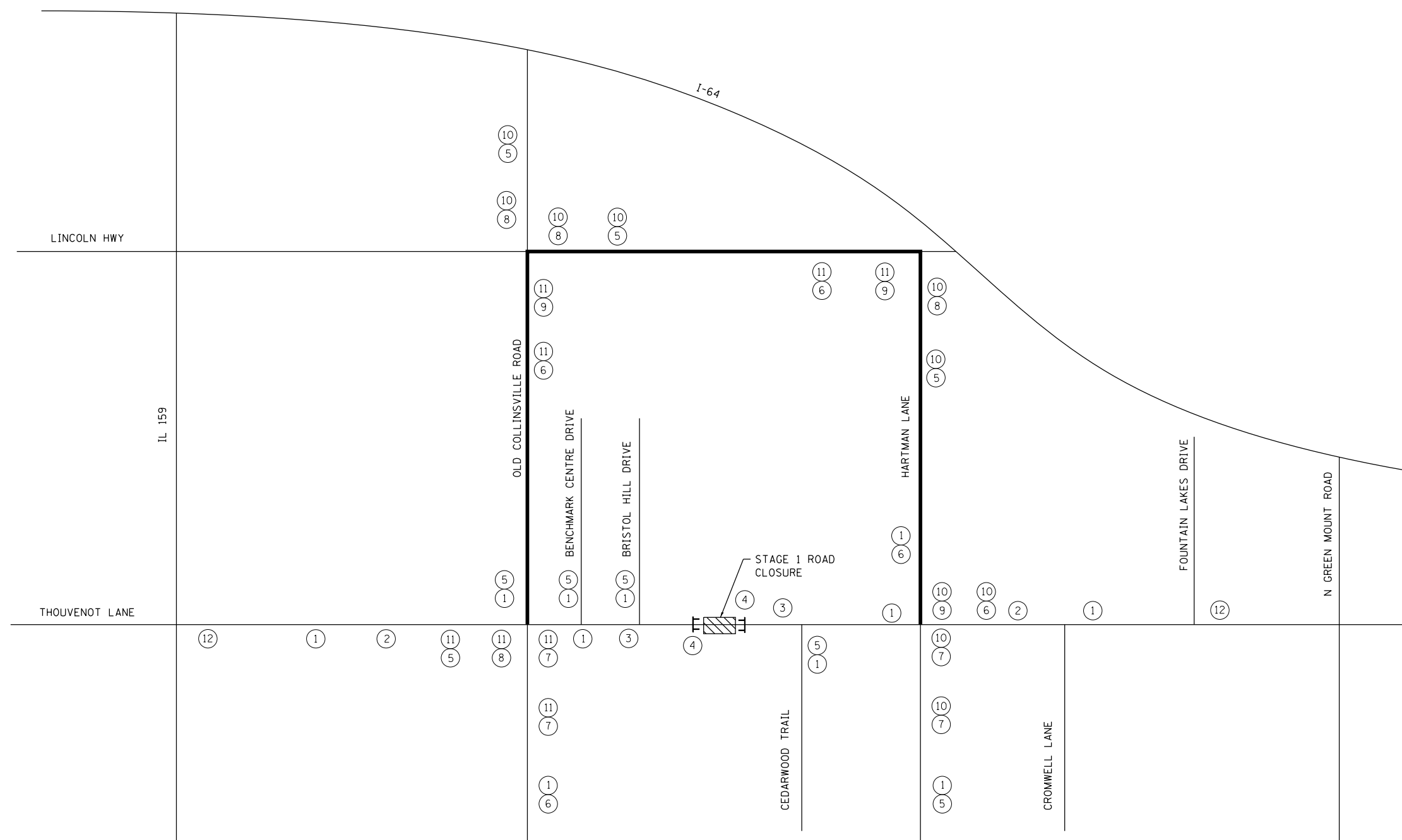
### SIGNS REQUIRED

TO BE PROVIDED BY CONTRACTOR

**ROAD CLOSED AHEAD** (W20-3(0)-48) ①  
**DETOUR AHEAD** (W20-2(0)-48) ②  
**ROAD CLOSED 500 FT** (W20-3(0)-48) ③  
**ROAD CLOSED** (R11-2) ④  
**LEFT TURN** (MS-1L(0)) ⑤  
**RIGHT TURN** (MS-1R(0)) ⑥  
**UP** (M6-3-2115) ⑦  
**LEFT** (M6-1-2115) ⑧  
**RIGHT** (M6-1-2115) ⑨  
**DETOUR WEST THOUVENOT LANE** (M4-8(0)-2412, M3-1-2412, M1-I100-24) ⑩  
**DETOUR EAST THOUVENOT LANE** (M4-8(0)-2412, M3-1-2412, M1-I100-24) ⑪  
**ROAD CLOSED X MILES AHEAD LOCAL TRAFFIC ONLY** (ON TYPE 3 BARRICADE R11-3A-6030) ⑫

### LEGEND

- ROAD CLOSURE
- DETOUR ROUTE
- TYPE 3 BARRICADE



### STAGE 1 DETOUR

NOT TO SCALE



MODEL: Stage 1 Sheet 2  
 FILE NAME: I:\R17032 - ESPE WIDENING PHASE 2\CADD\micrstation\CADD Drawings\17032-shcstage1.dgn  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

**OATES ASSOCIATES**  
 www.oatesassociates.com  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = scott.felkt	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

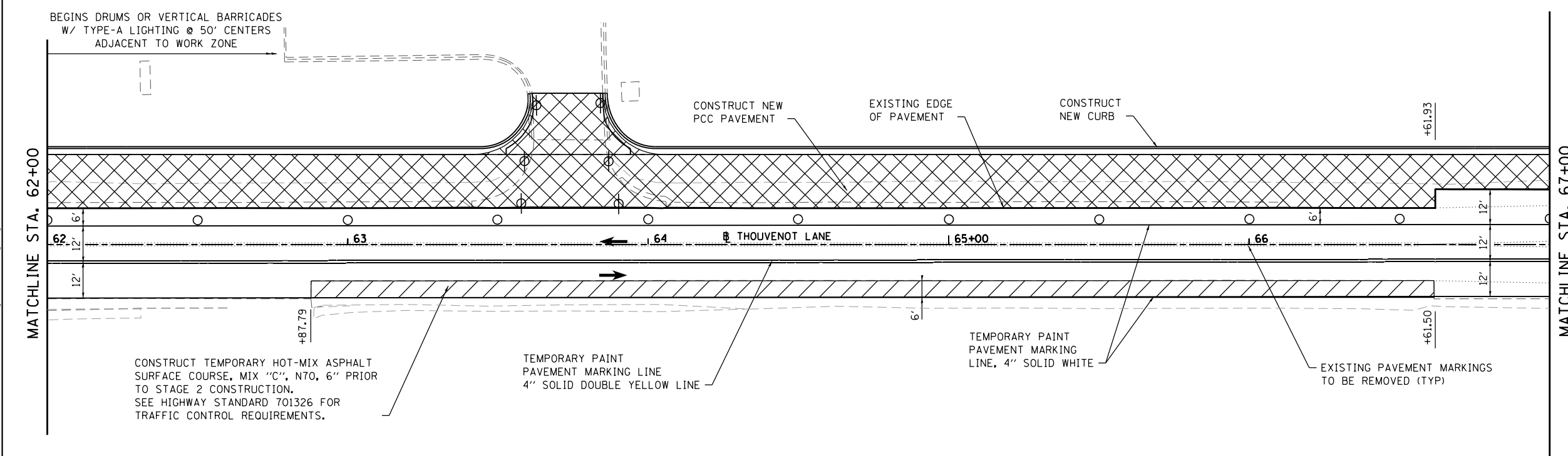
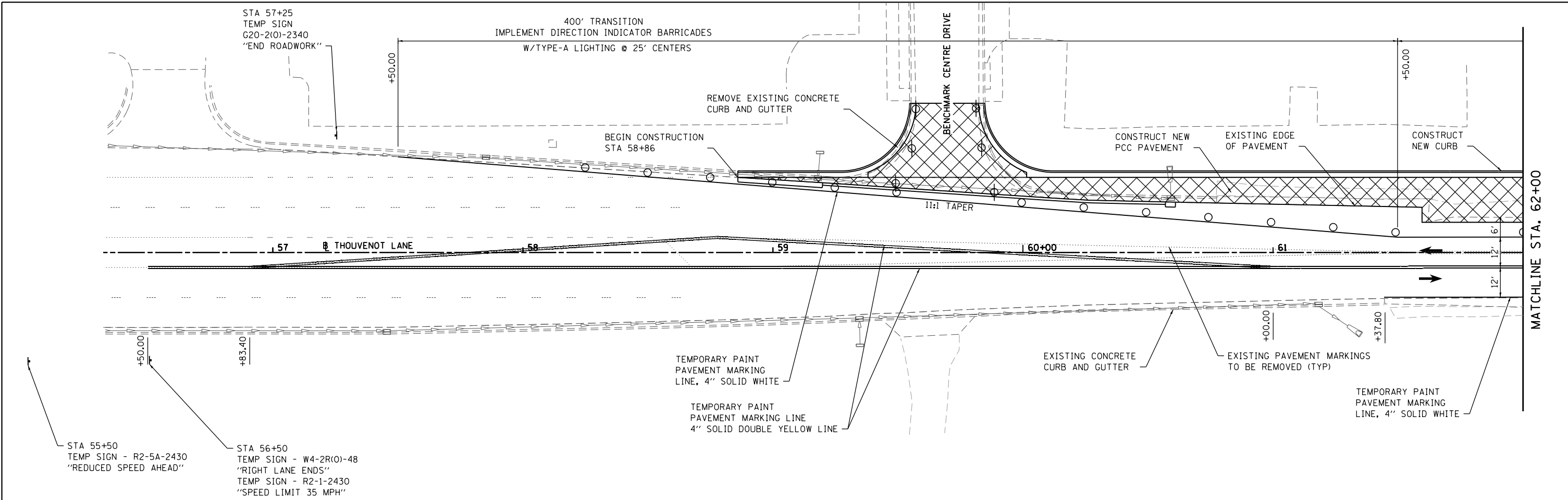
**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**







SCALE:	SHEET 3 OF 21 SHEETS	STA. TO STA.
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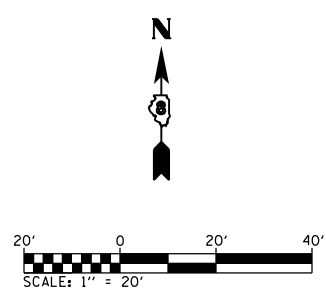
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	47A
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97752	





**TRAFFIC CONTROL LEGEND**

-  NEW PCC PAVEMENT
-  TEMPORARY WIDENING
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM W/ FLASHING LIGHT
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR, TEMP NRN TL3



**STAGE 2**

MODEL Stage 2 Sheet 1  
 FILE NAME: I:\R17022 - ESSE WIDENING PHASE 2\CADD\micr\constant\CADD Drawings\17022-shcstage1.dwg  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

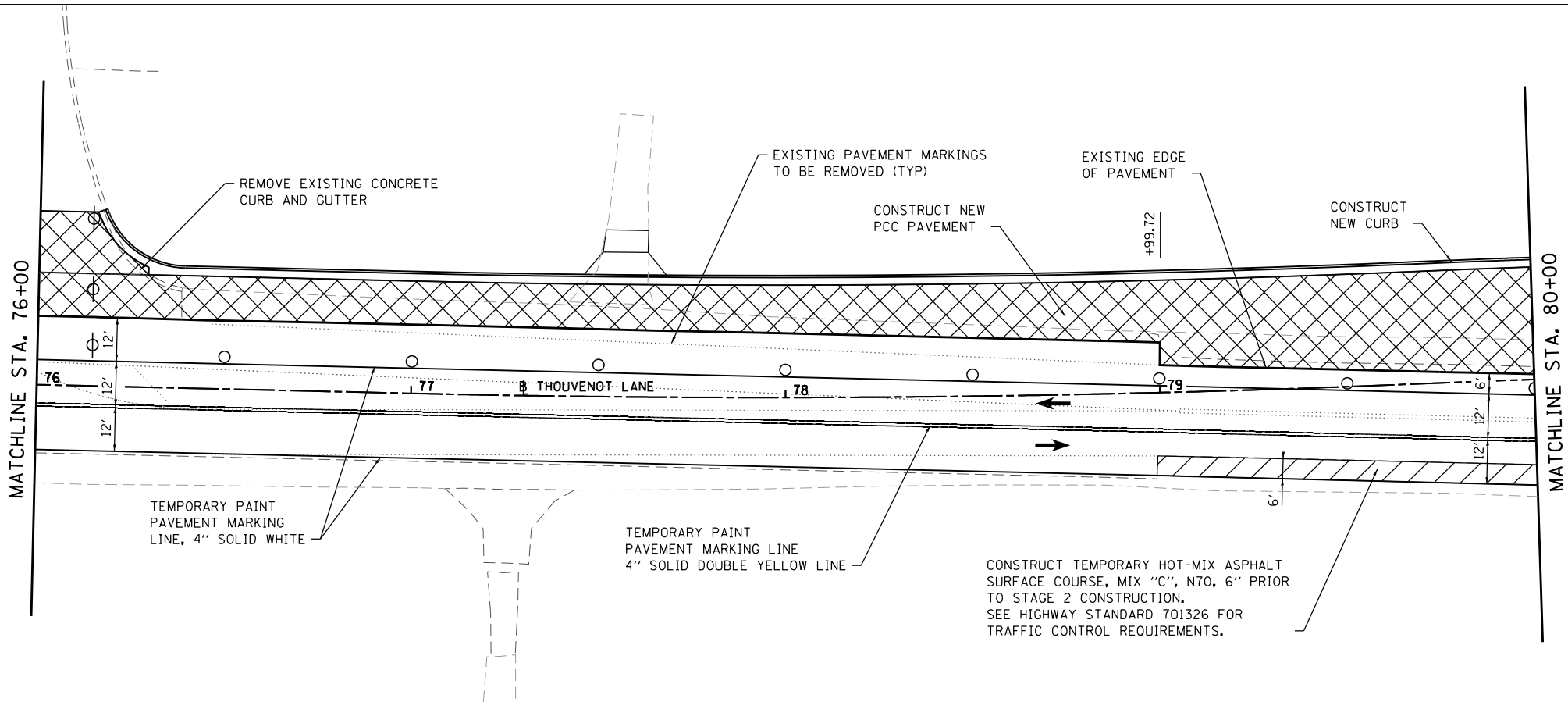
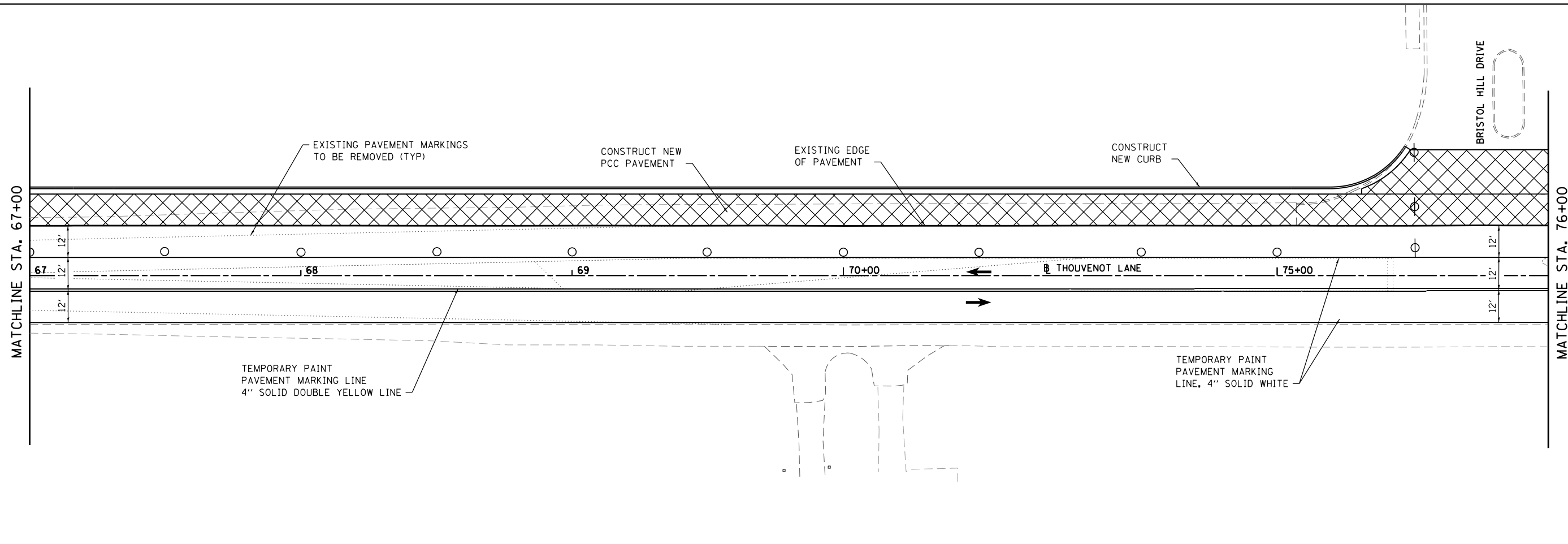


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PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



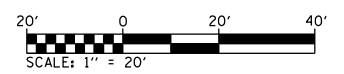
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL			
SCALE: 1" = 20'	SHEET 4	OF 21 SHEETS	STA. 57+00 TO STA. 67+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	48
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



**TRAFFIC CONTROL LEGEND**

- NEW PCC PAVEMENT
- TEMPORARY WIDENING
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ FLASHING LIGHT
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMP NRN TL3



**STAGE 2**

MODEL: Stage 3 Sheet 2  
 FILE NAME: I:\R17032 - ESPE WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\17032-ESPE\stage1.dgn  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = scott.felkt	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -




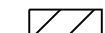



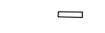
**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

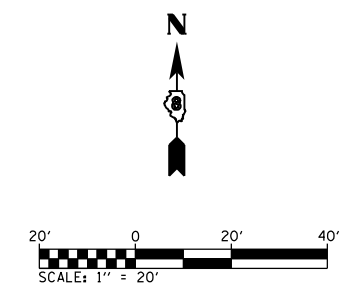
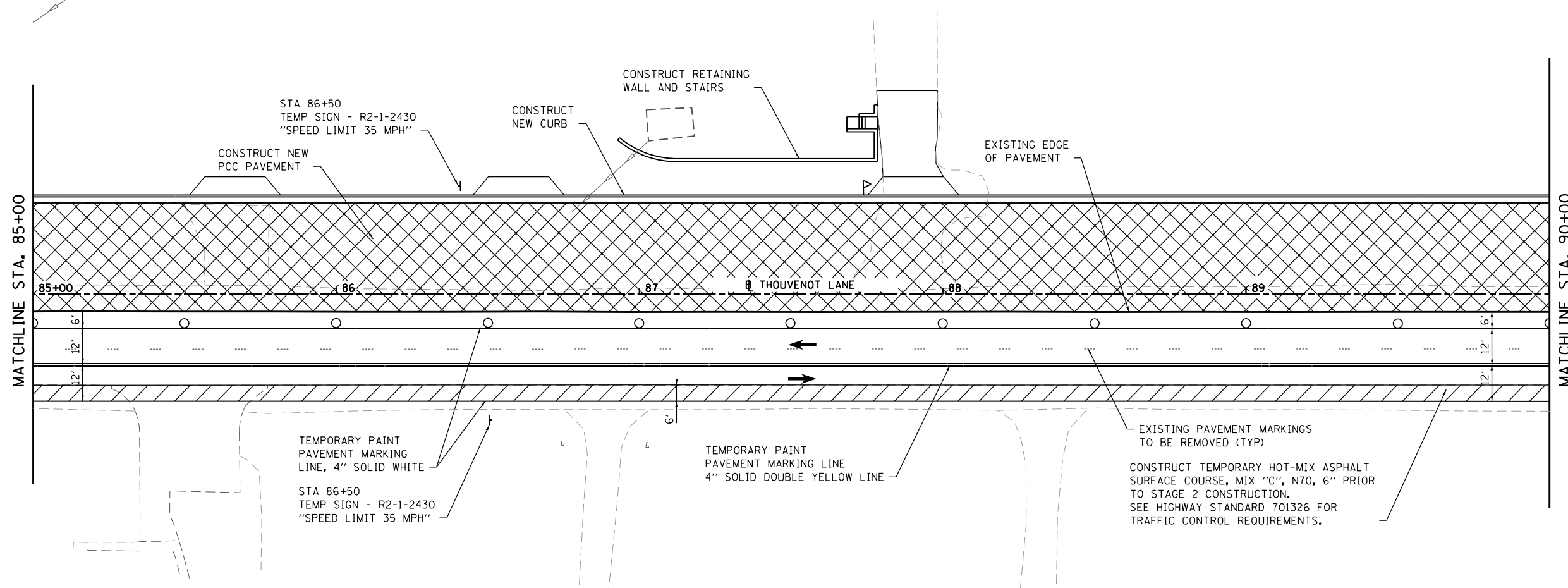
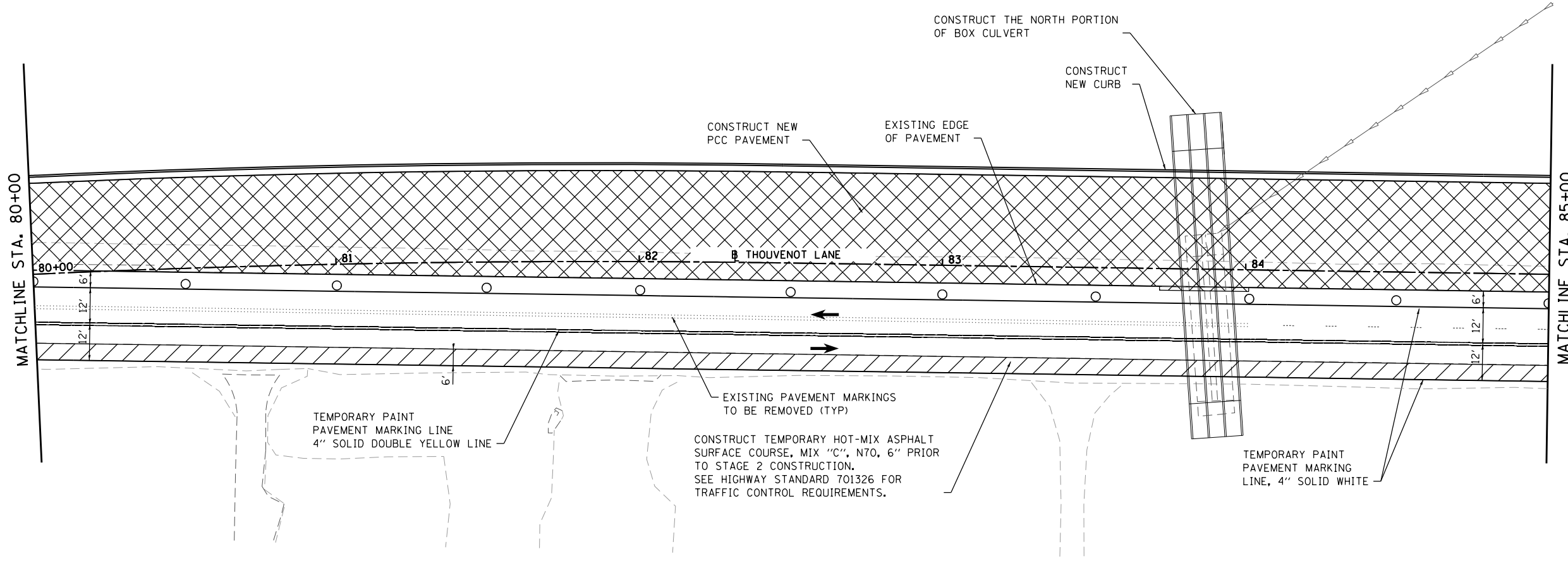
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**

SCALE: 1" = 20'    SHEET 5 OF 21 SHEETS    STA. 67+00 TO STA. 80+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	49
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

**TRAFFIC CONTROL LEGEND**

-  NEW PCC PAVEMENT
-  TEMPORARY WIDENING
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM W/ FLASHING LIGHT
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR, TEMP NRN TL3

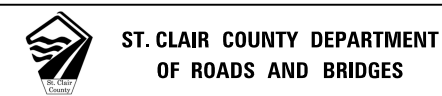


**STAGE 2**

MODEL Stage 3 Sheet 3  
FILE NAME: I:\R17032 - ESSE WIDENING PHASE 2\CADD\micr\station\CADD\_Drawing\17032-stage1.dwg









USER NAME = scott.feltd	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

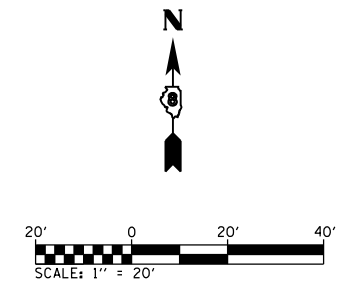
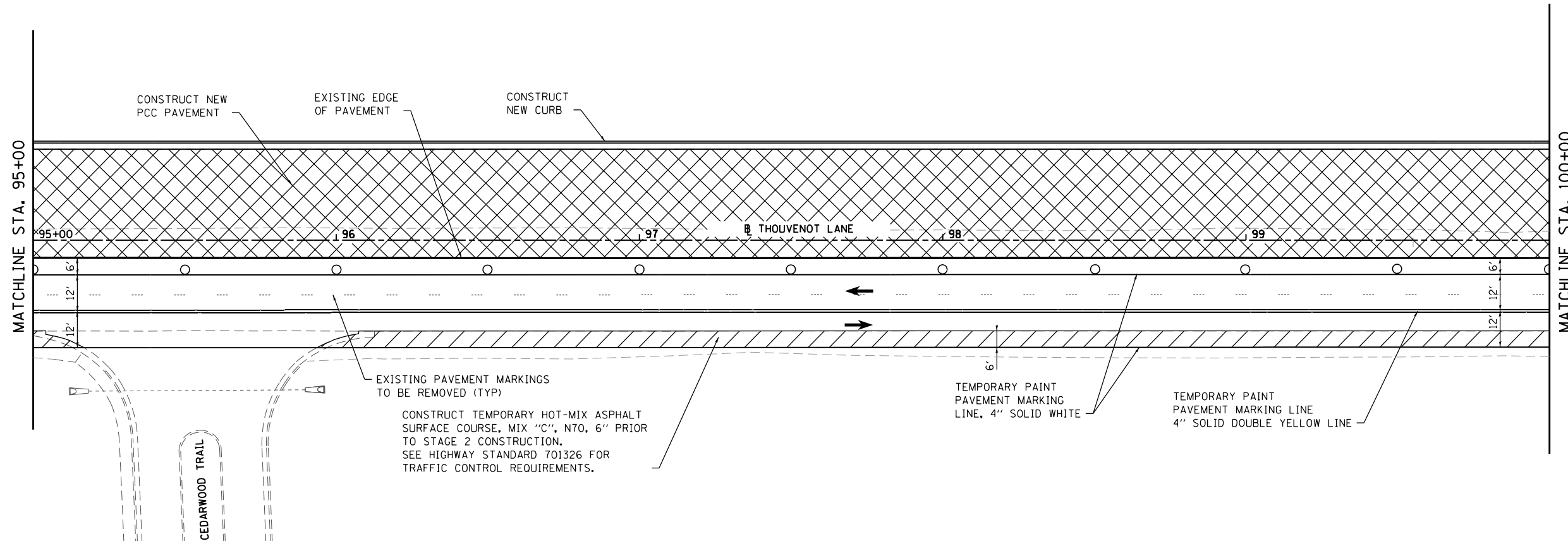
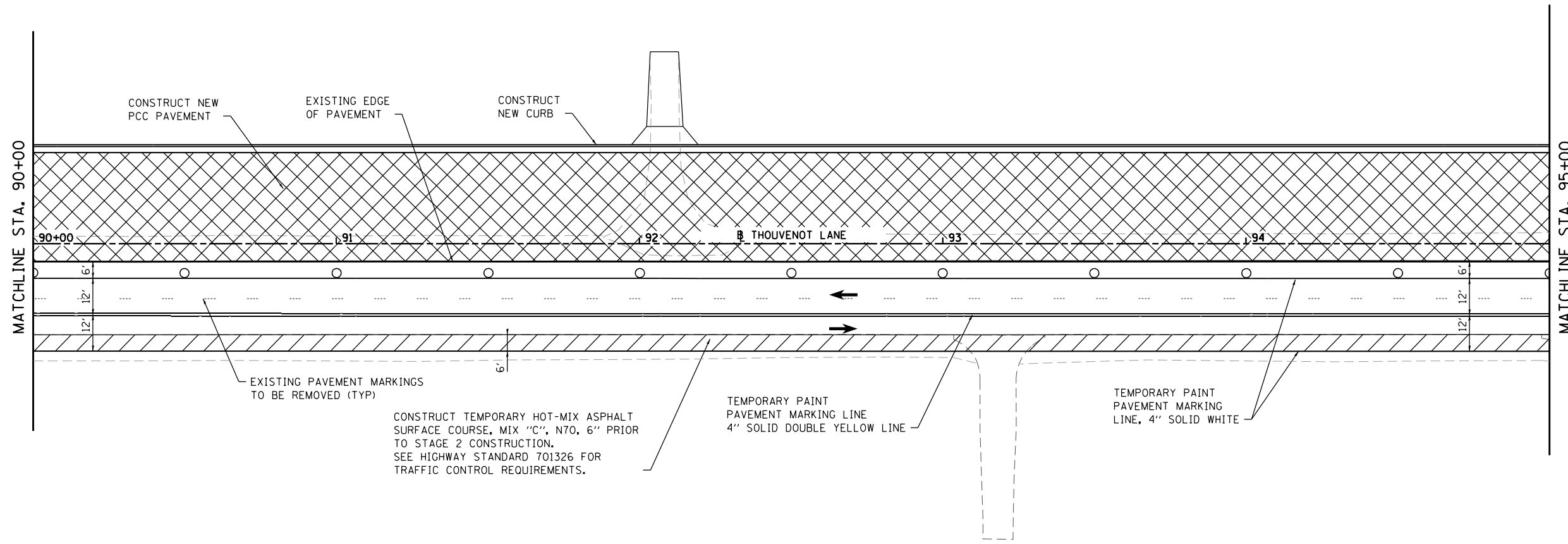


<b>SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL</b>			
SCALE: 1" = 20'	SHEET 6 OF 21 SHEETS	STA. 80+00 TO STA. 90+00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	50
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

**TRAFFIC CONTROL LEGEND**

-  NEW PCC PAVEMENT
-  TEMPORARY WIDENING
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM W/ FLASHING LIGHT
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR, TEMP NRN TL3



**STAGE 2**

MODEL Stage 3 Sheet 4  
 FILE NAME: I:\R17023 - ES&E WIDENING PHASE 2\CADD\micrconstan\CADD Drawings\17023-shcstage1.dgn  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = scott.felkt  
 PLOT SCALE = 40.0000 ' / in.  
 PLOT DATE = 10/18/2021

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

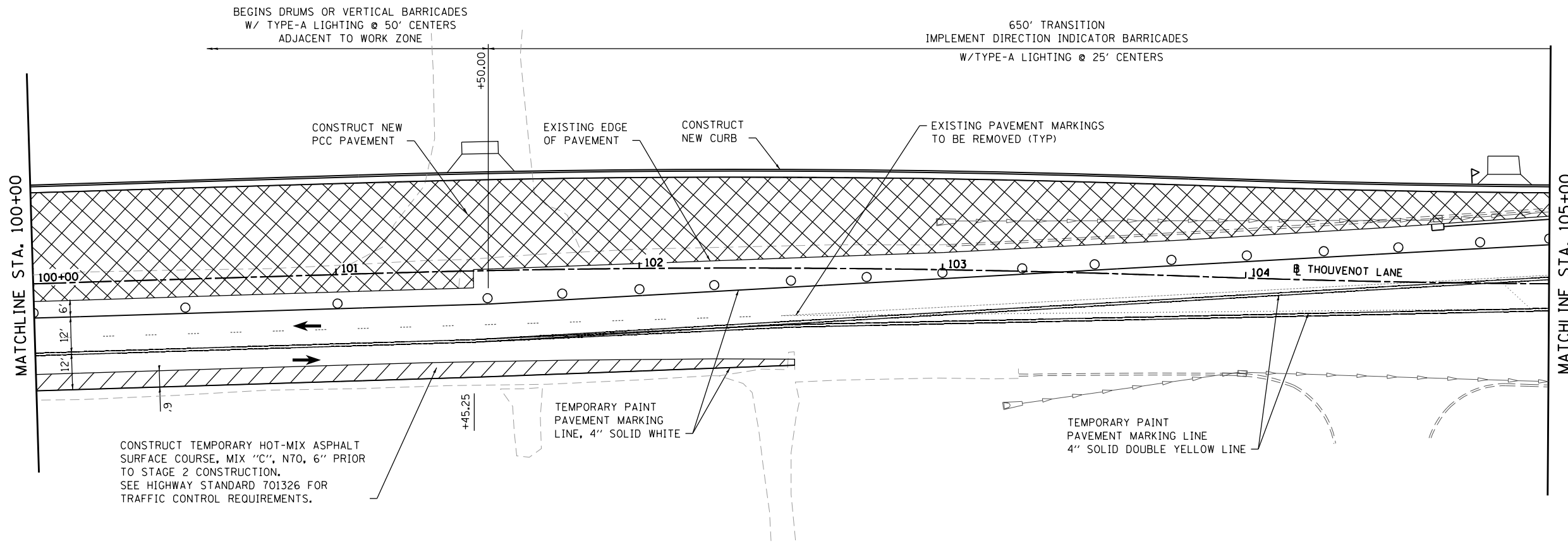


**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**







**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**

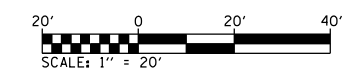
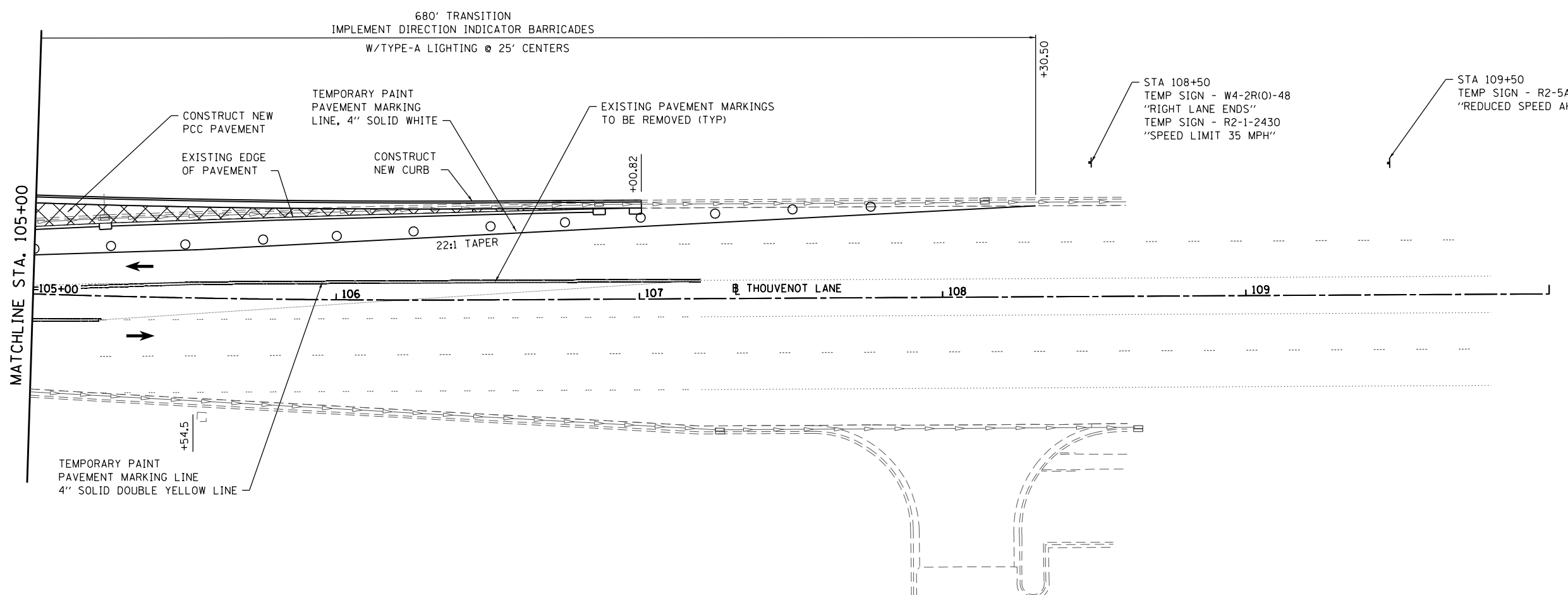
SCALE: 1" = 20'    SHEET 7 OF 21 SHEETS    STA. 90+00 TO STA. 100+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	51
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



**TRAFFIC CONTROL LEGEND**

-  NEW PCC PAVEMENT
-  TEMPORARY WIDENING
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM W/ FLASHING LIGHT
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR, TEMP NRN TL3



**STAGE 2**

MODEL Stage 3 Sheet 5  
 FILE NAME: 13-00301-15-PW-ESPE WIDENING PHASE 2-CADD-MicroStation-CADD Drawings\17032-shc-stage1.dgn



USER NAME = scott.feltd	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



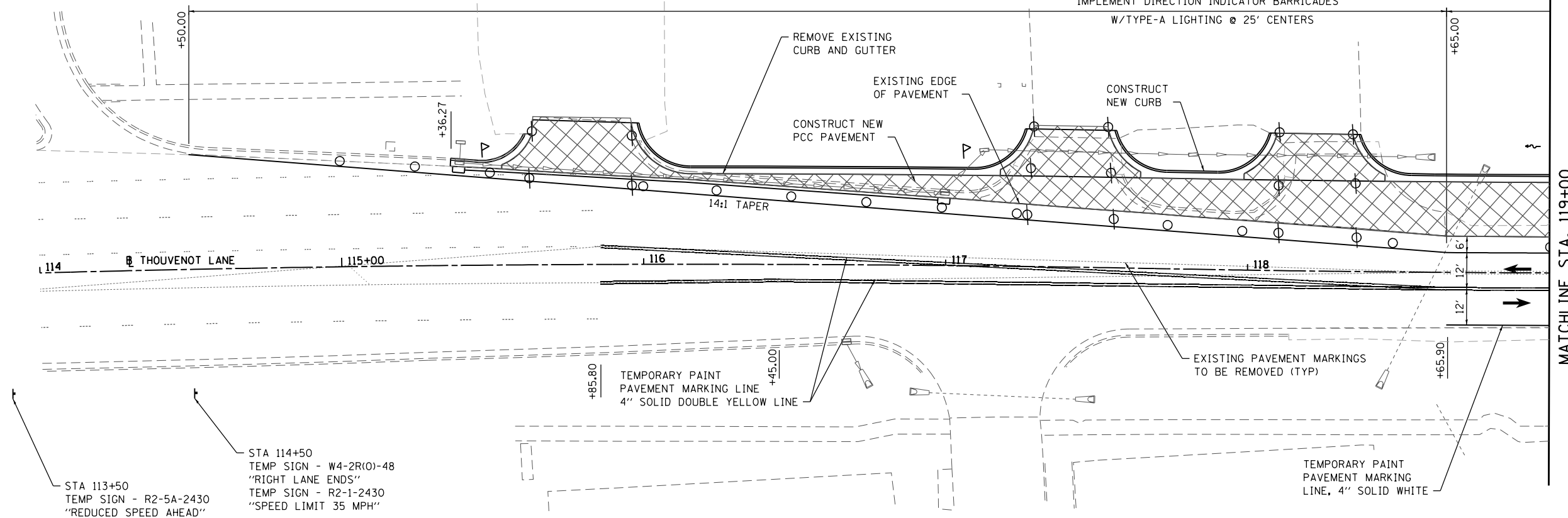
**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**



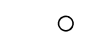
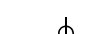


SCALE: 1" = 20'    SHEET 8 OF 21 SHEETS    STA. 100+00 TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	52
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

415' TRANSITION  
 IMPLEMENT DIRECTION INDICATOR BARRICADES  
 W/TYPE-A LIGHTING @ 25' CENTERS



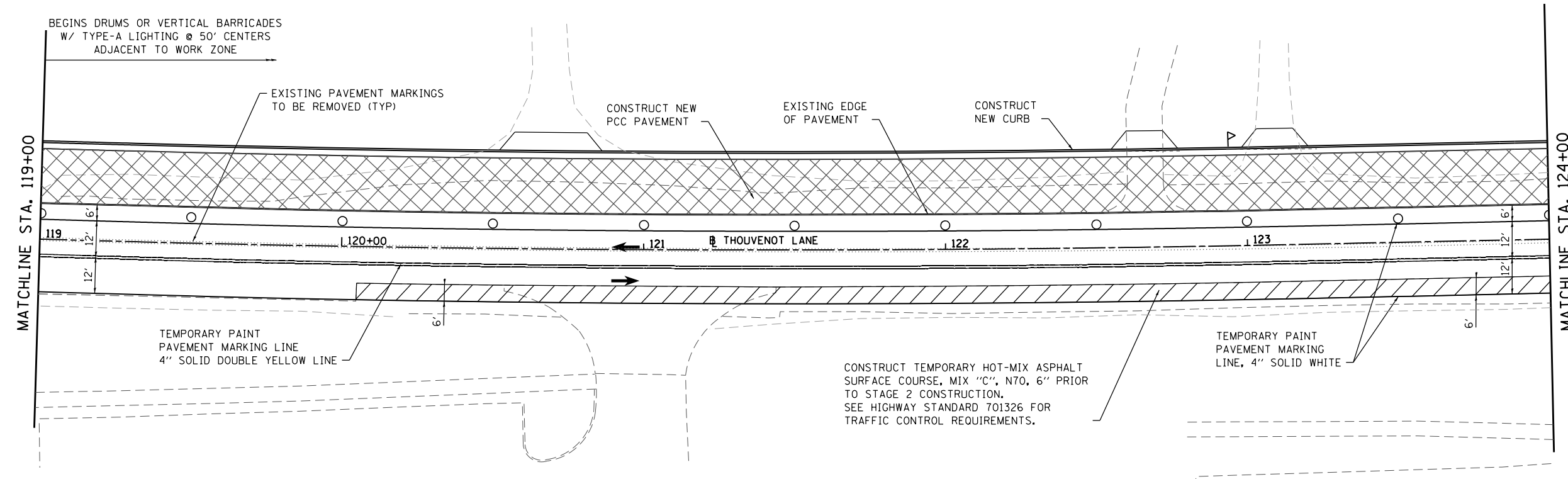
**TRAFFIC CONTROL LEGEND**

-  NEW PCC PAVEMENT
-  TEMPORARY WIDENING
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM W/ FLASHING LIGHT
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR, TEMP NRN TL3

MATCHLINE STA. 119+00

STA 113+50  
 TEMP SIGN - R2-5A-2430  
 "REDUCED SPEED AHEAD"

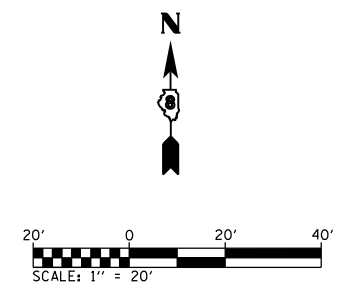
STA 114+50  
 TEMP SIGN - W4-2R(0)-48  
 "RIGHT LANE ENDS"  
 TEMP SIGN - R2-1-2430  
 "SPEED LIMIT 35 MPH"



MATCHLINE STA. 124+00

BEGINS DRUMS OR VERTICAL BARRICADES  
 W/ TYPE-A LIGHTING @ 50' CENTERS  
 ADJACENT TO WORK ZONE

CONSTRUCT TEMPORARY HOT-MIX ASPHALT  
 SURFACE COURSE, MIX "C", N70, 6" PRIOR  
 TO STAGE 2 CONSTRUCTION.  
 SEE HIGHWAY STANDARD 701326 FOR  
 TRAFFIC CONTROL REQUIREMENTS.



**STAGE 2**

MODEL Stage 3 Sheet 6  
 FILE NAME: I:\R17022 - ESSE WIDENING PHASE 2\CADD\micrconstan\CADD Drawings\17022-ESSEstage1.dwg  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = scott.feldt	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



**ST. CLAIR COUNTY DEPARTMENT  
 OF ROADS AND BRIDGES**

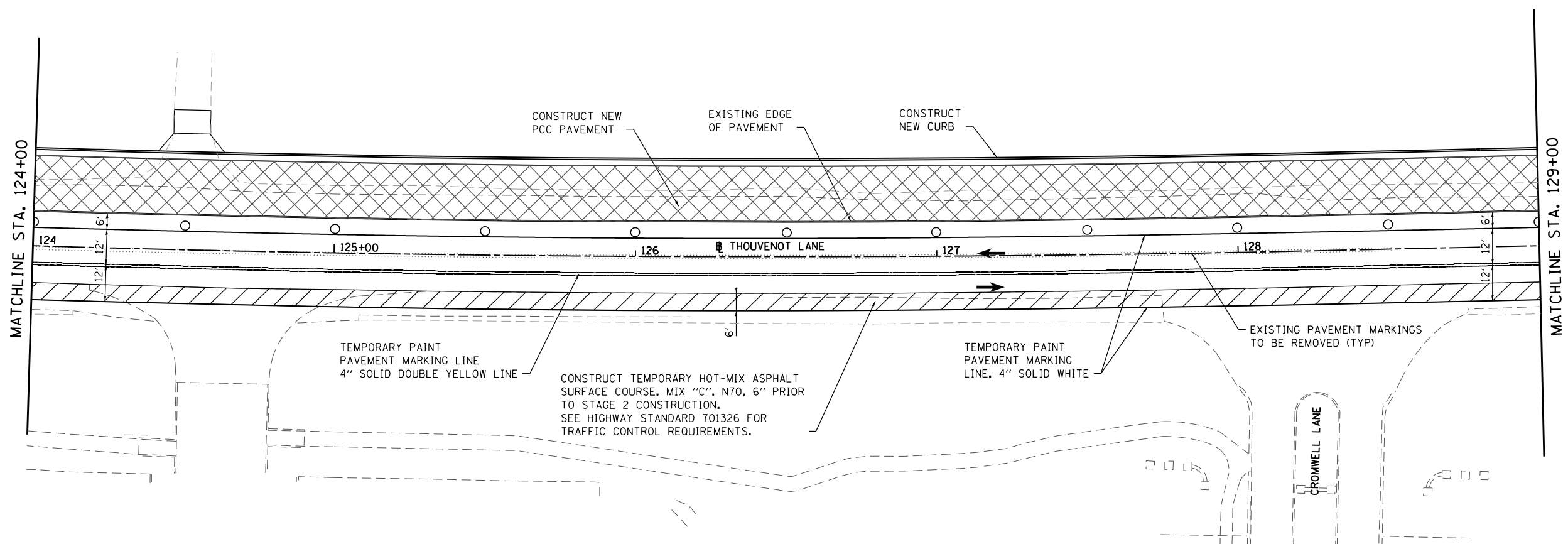
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**

SCALE: 1" = 20'    SHEET 9 OF 21 SHEETS    STA.    TO STA. 124+00







F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	53
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 124+00

MATCHLINE STA. 129+00

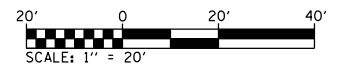
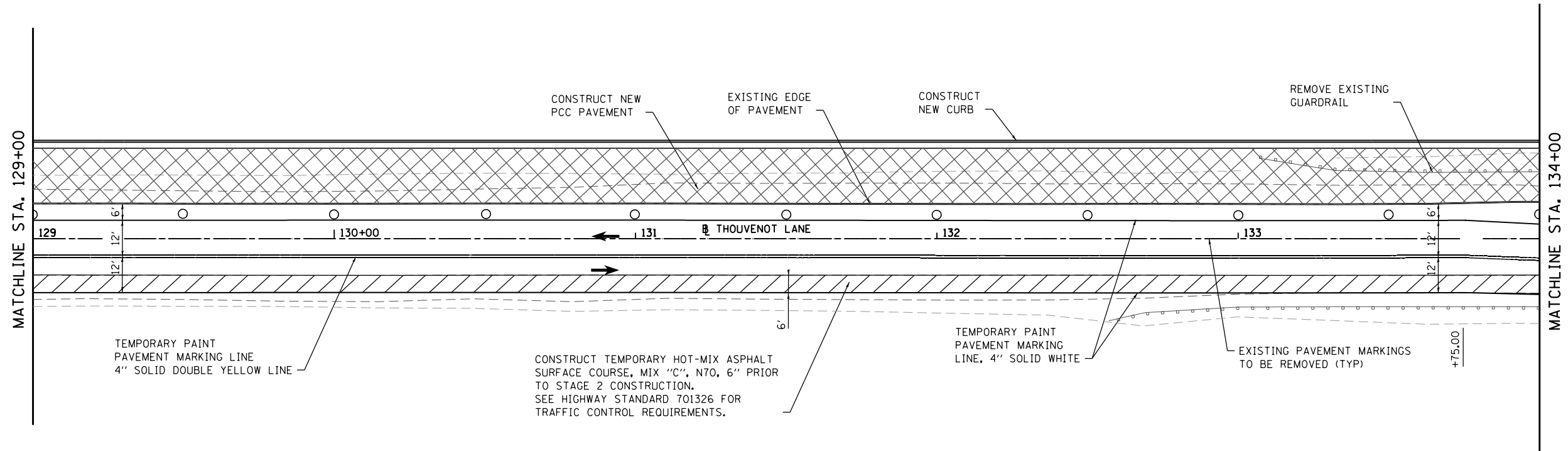


**TRAFFIC CONTROL LEGEND**

-  NEW PCC PAVEMENT
-  TEMPORARY WIDENING
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM W/ FLASHING LIGHT
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR, TEMP NRN TL3

MATCHLINE STA. 129+00

MATCHLINE STA. 134+00



**STAGE 2**

MODEL: Stage 2 Sheet 7  
 FILE NAME: I:\17032 - ES&E WIDENING PHASE 2\CADD\micrconstan\CADD Drawings\17032-shcstage1.dwg  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = scott.feltd	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**

SCALE: 1" = 20' SHEET 10 OF 21 SHEETS STA. 124+00 TO STA. 134+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	54
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

1 EA IMPACT ATTENUATORS  
TEMP NRN TL3

REMOVE EXISTING  
GUARDRAIL

SEE BRIDGE PLANS FOR STRUCTURE  
STAGING DETAILS.

EXISTING PAVEMENT MARKINGS  
TO BE REMOVED (TYP)







STA 138+50  
TEMP SIGN - R2-1-2430  
"SPEED LIMIT 35 MPH"

CONSTRUCT NEW  
PCC PAVEMENT

EXISTING EDGE  
OF PAVEMENT

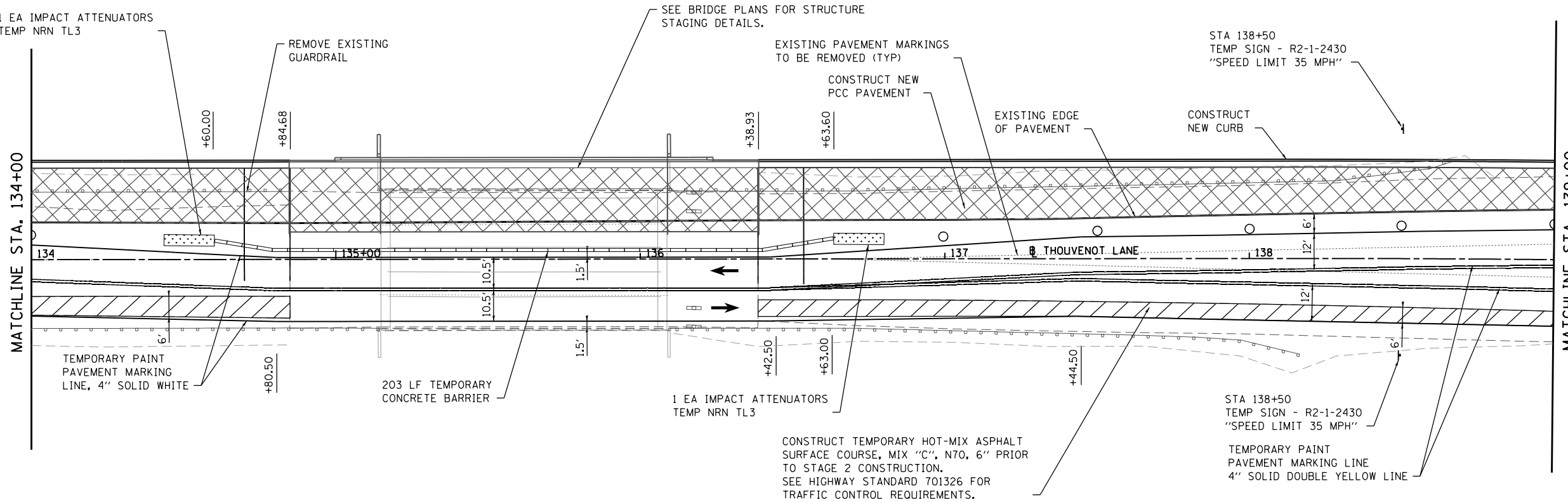
CONSTRUCT  
NEW CURB

**TRAFFIC CONTROL LEGEND**

-  NEW PCC PAVEMENT
-  TEMPORARY WIDENING
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM  
W/ FLASHING LIGHT
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR, TEMP  
NRN TL3

MATCHLINE STA. 134+00

MATCHLINE STA. 139+00



TEMPORARY PAINT  
PAVEMENT MARKING  
LTRS & SYM - WHITE

CONSTRUCT NEW  
PCC PAVEMENT

EXISTING EDGE  
OF PAVEMENT

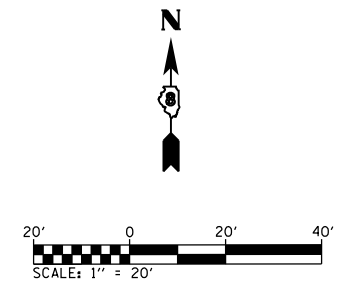
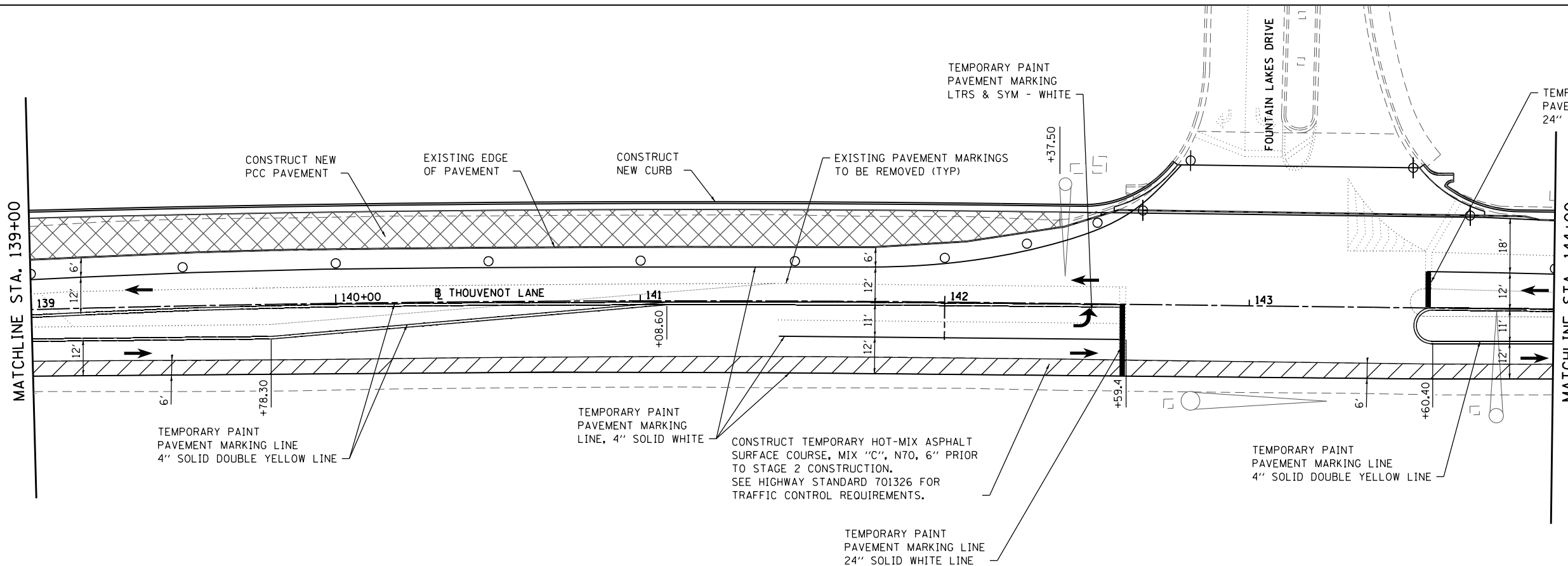
CONSTRUCT  
NEW CURB

EXISTING PAVEMENT MARKINGS  
TO BE REMOVED (TYP)

TEMPORARY PAINT  
PAVEMENT MARKING LINE  
24" SOLID WHITE LINE

MATCHLINE STA. 139+00

MATCHLINE STA. 144+00



**STAGE 2**

MODEL Stage 2 Sheet 8  
FILE NAME: I:\R17032 - ES&E WIDENING PHASE 2\CADD\micrconstan\CADD Drawings\17032-ES&E Stage 1.dgn



USER NAME = scott.feltd	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -



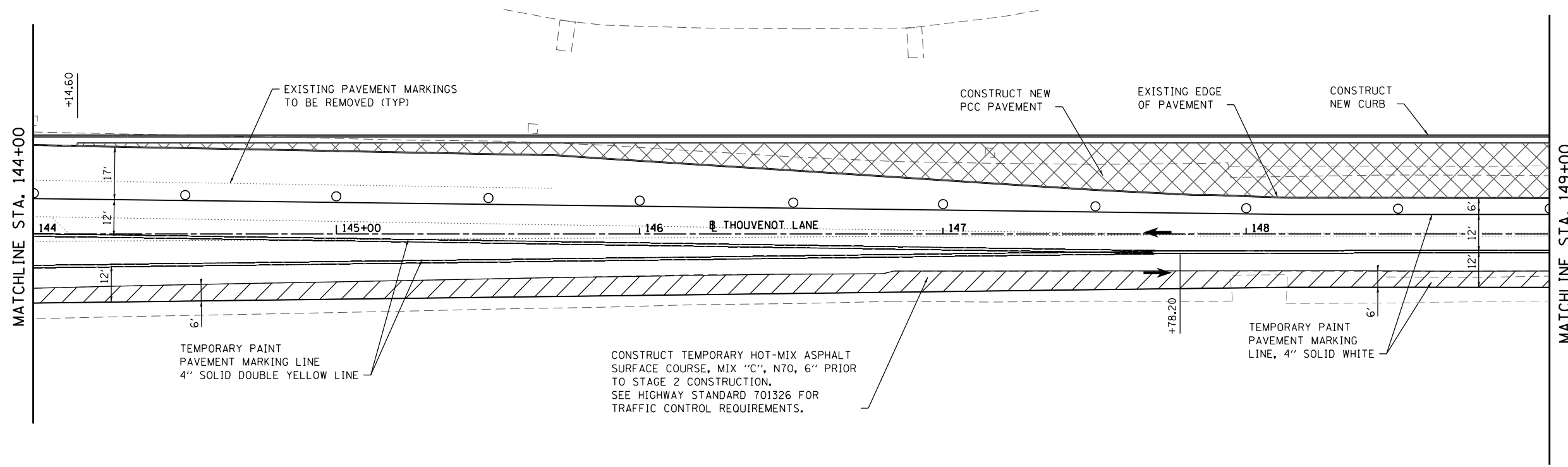
**ST. CLAIR COUNTY DEPARTMENT  
OF ROADS AND BRIDGES**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**

SCALE: 1" = 20'    SHEET 11 OF 21 SHEETS    STA. 134+00 TO STA. 144+00

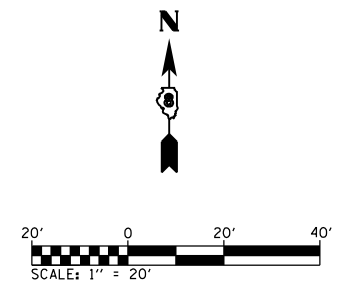
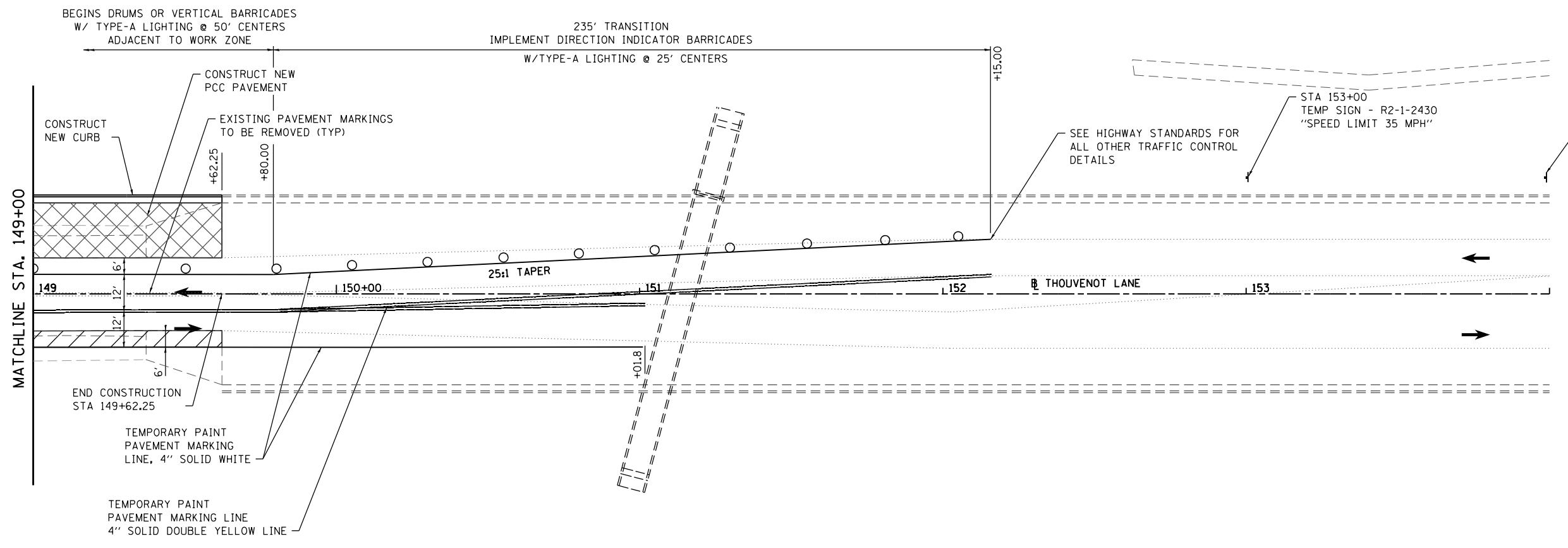
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	55
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				





**TRAFFIC CONTROL LEGEND**

- NEW PCC PAVEMENT
- TEMPORARY WIDENING
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ FLASHING LIGHT
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMP NRN TL3



**STAGE 2**

MODEL Stage 2 Sheet 9  
 FILE NAME: I:\R17022 - FSPE WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\17022-shcstage1.dgn



USER NAME = scott.felkt  
 PLOT SCALE = 40.0000 ' / in.  
 PLOT DATE = 10/18/2021

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

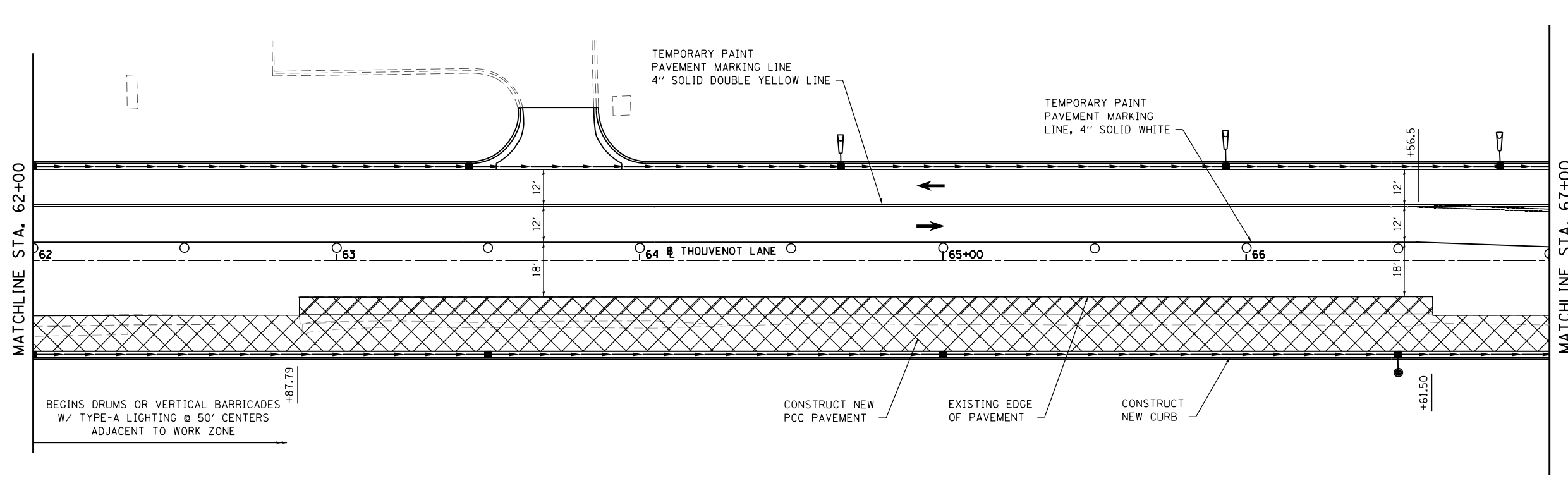
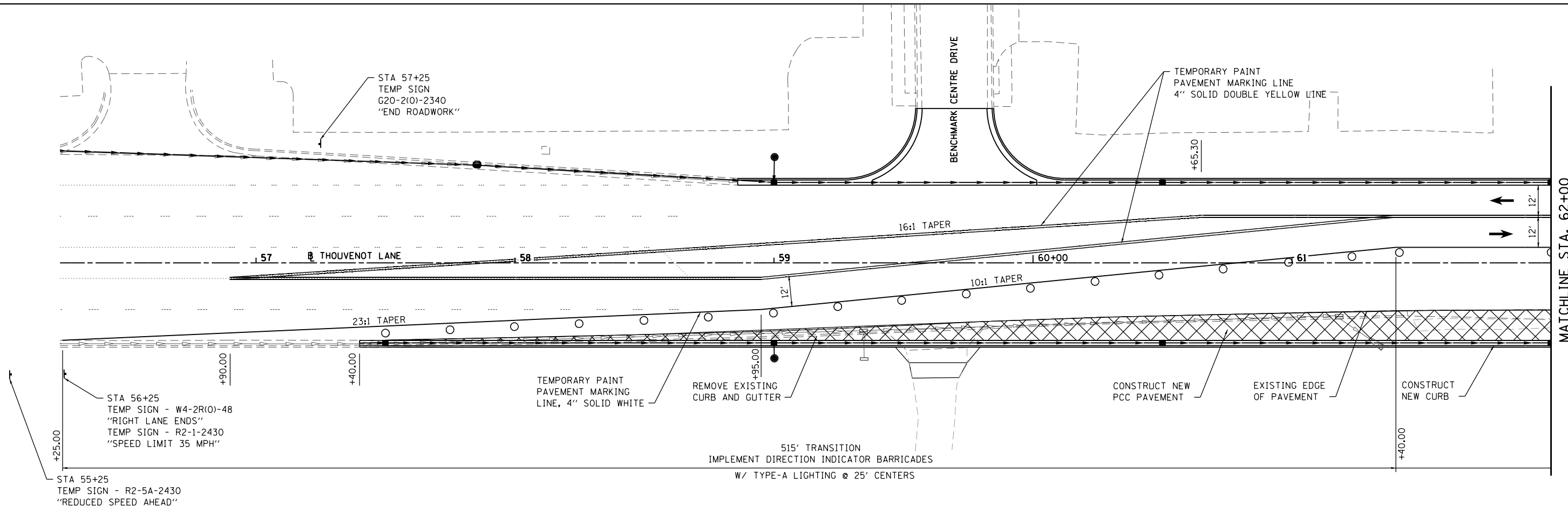


**ST. CLAIR COUNTY DEPARTMENT  
 OF ROADS AND BRIDGES**

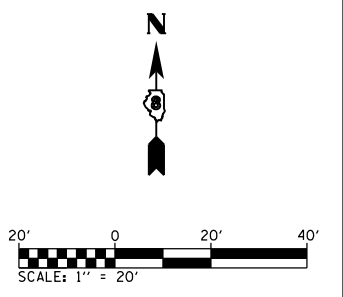
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**

SCALE: 1" = 20'    SHEET 12 OF 21 SHEETS    STA. 144+00 TO STA. 154+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	56
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



- TRAFFIC CONTROL LEGEND**
- NEW PCC PAVEMENT
  - TEMPORARY WIDENING REM
  - TRAFFIC CONTROL DRUM
  - TRAFFIC CONTROL DRUM W/ FLASHING LIGHT
  - TEMPORARY CONCRETE BARRIER
  - IMPACT ATTENUATOR, TEMP NRN TL3



NOTE: ALL STAGE 2 TEMPORARY PAVEMENT MARKINGS TO BE REMOVED PRIOR TO STAGE 3. TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASING. NO GRINDING OF TEMPORARY PAVEMENT MARKINGS WILL BE ALLOWED.

**STAGE 3**

MODEL Stage 4 Sheet 1  
FILE NAME: R17022 - ESPE WIDENING PHASE 2\CADD\micrconstan\CADD Drawings\17022-shcstage1.dgn



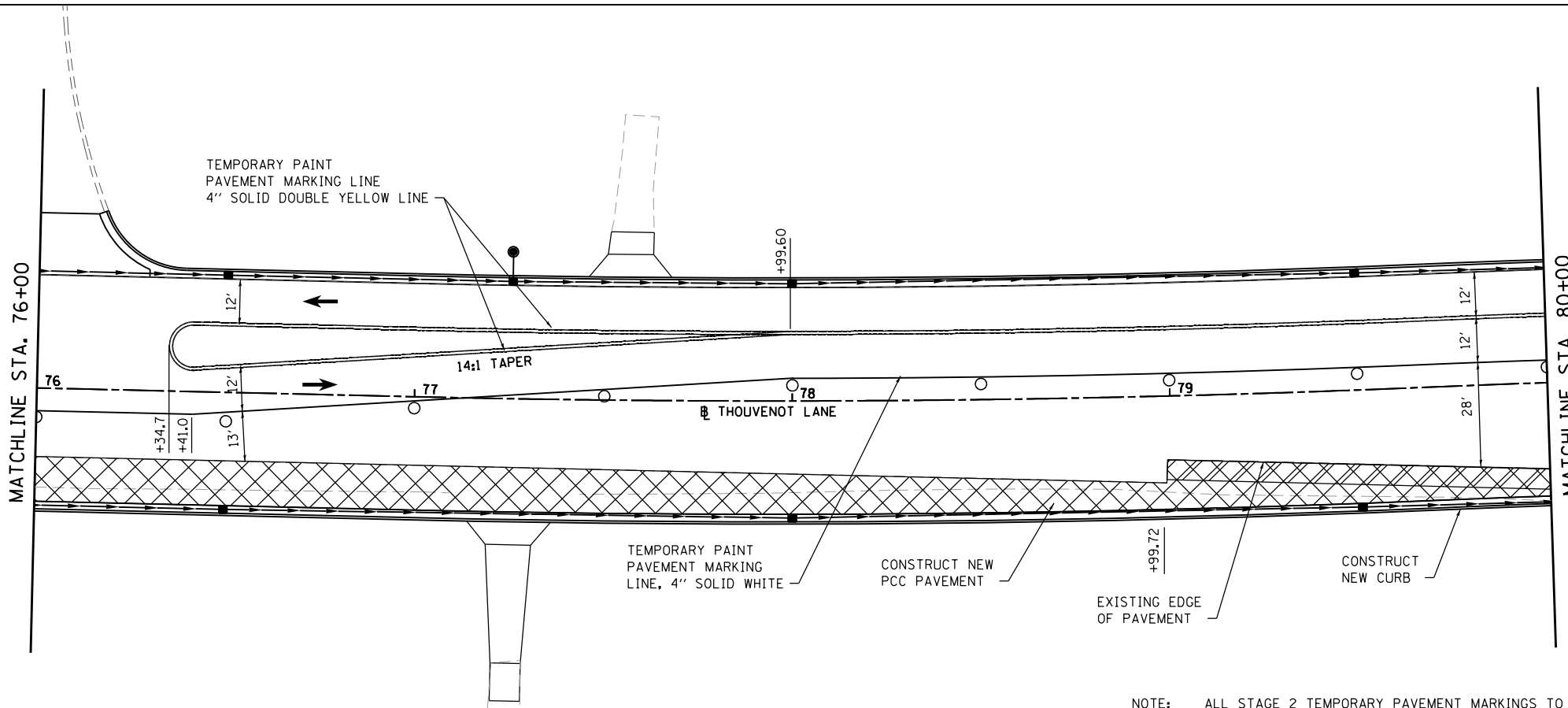
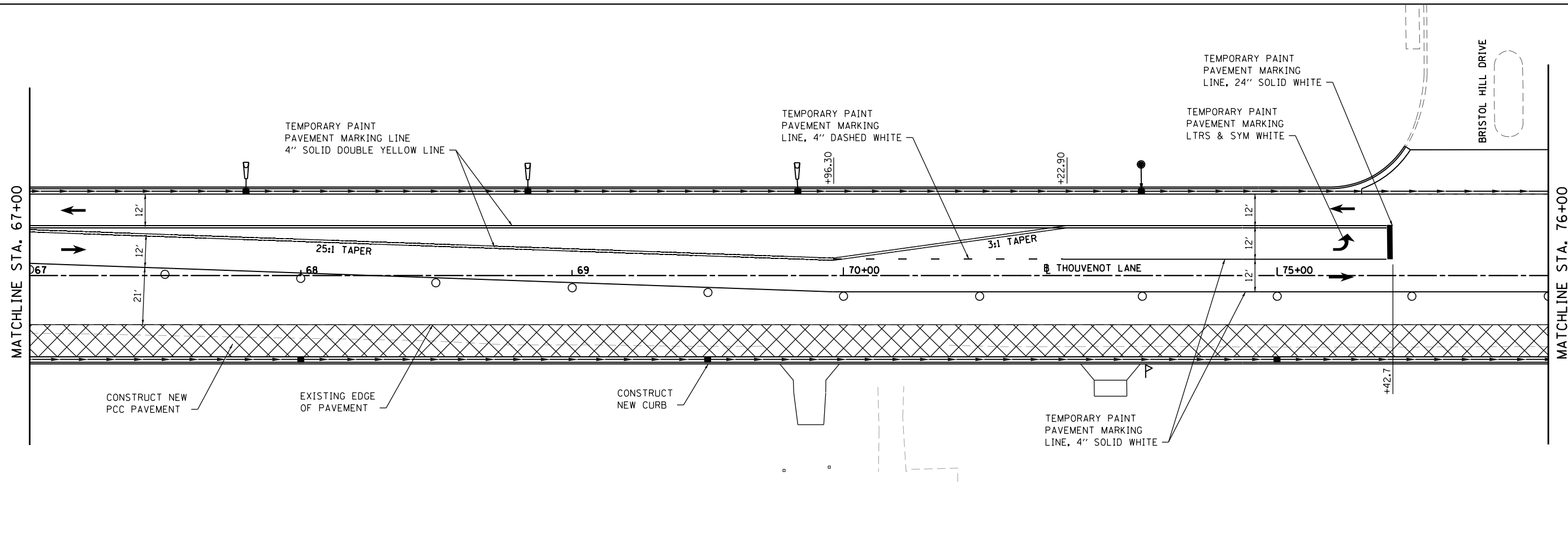
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PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -









**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**

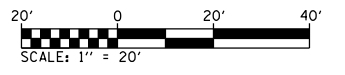
SCALE: 1" = 20'    SHEET 13 OF 21 SHEETS    STA.    TO STA. 67+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	57
CONTRACT NO. 97752			ILLINOIS FED. AID PROJECT	



**TRAFFIC CONTROL LEGEND**

-  NEW PCC PAVEMENT
-  TEMPORARY WIDENING REM
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM W/ FLASHING LIGHT
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR, TEMP NRN TL3



NOTE: ALL STAGE 2 TEMPORARY PAVEMENT MARKINGS TO BE REMOVED PRIOR TO STAGE 3. TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASING. NO GRINDING OF TEMPORARY PAVEMENT MARKINGS WILL BE ALLOWED.

**STAGE 3**

MODEL Stage 4 Sheet 2  
FILE NAME: R:\17032 - ESPE WIDENING PHASE 2\CADD\micrortation\CADD Drawings\17032-shcstage1.dgn



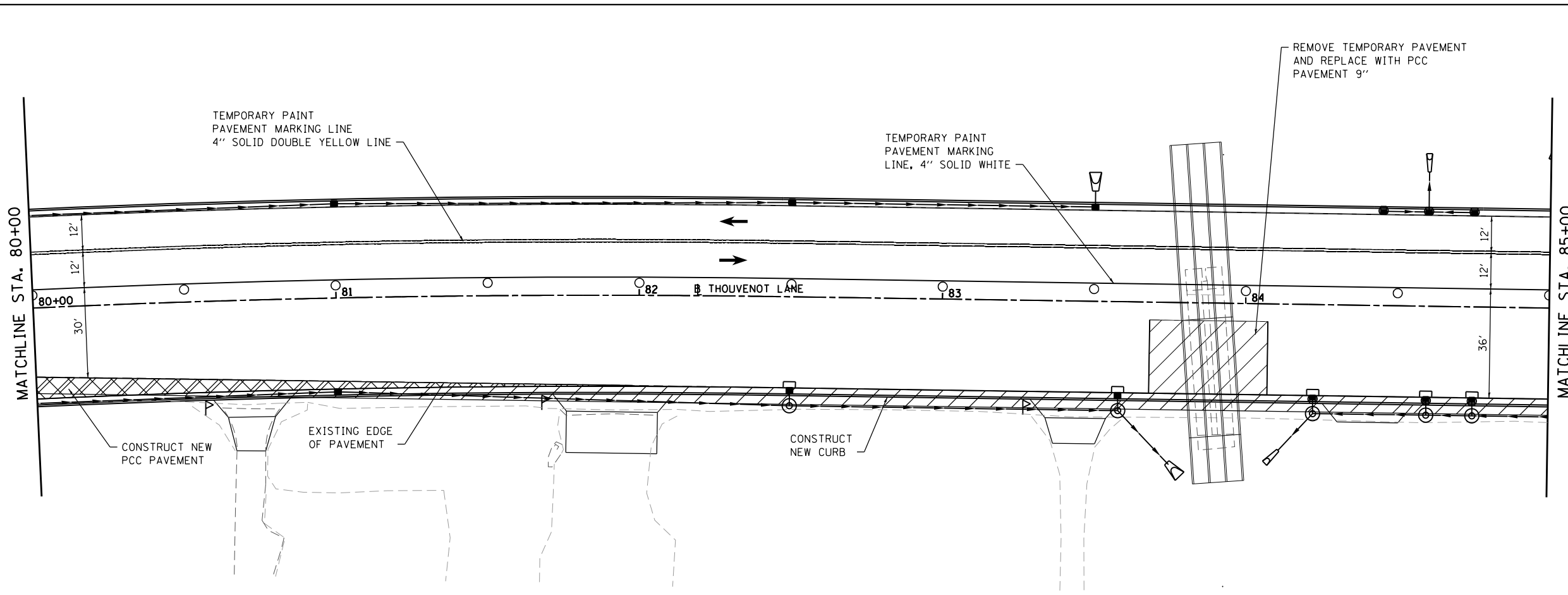
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PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

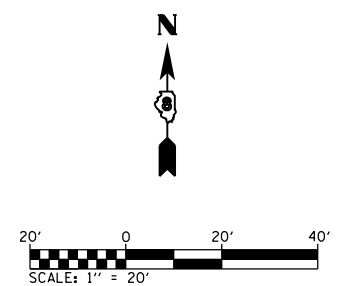
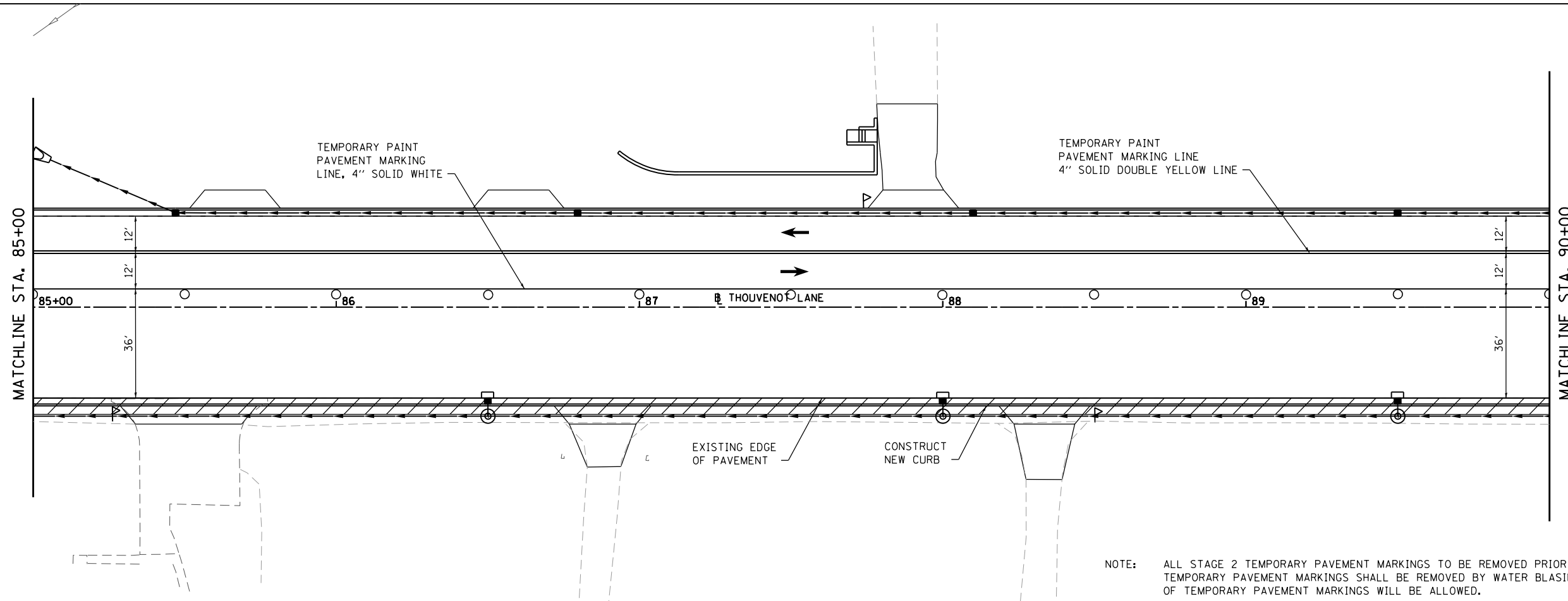
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL			
SCALE: 1" = 20'	SHEET 14 OF 21 SHEETS	STA. 67+00 TO STA. 80+00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	58
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



**TRAFFIC CONTROL LEGEND**

- NEW PCC PAVEMENT
- TEMPORARY WIDENING REM
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ FLASHING LIGHT
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMP NRN TL3



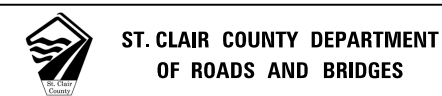
NOTE: ALL STAGE 2 TEMPORARY PAVEMENT MARKINGS TO BE REMOVED PRIOR TO STAGE 3. TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASING. NO GRINDING OF TEMPORARY PAVEMENT MARKINGS WILL BE ALLOWED.

**STAGE 3**

MODEL Stage 4 Sheet 3  
FILE NAME: 13-00301-15-17023 - ESPE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17023-shcstage1.dgn

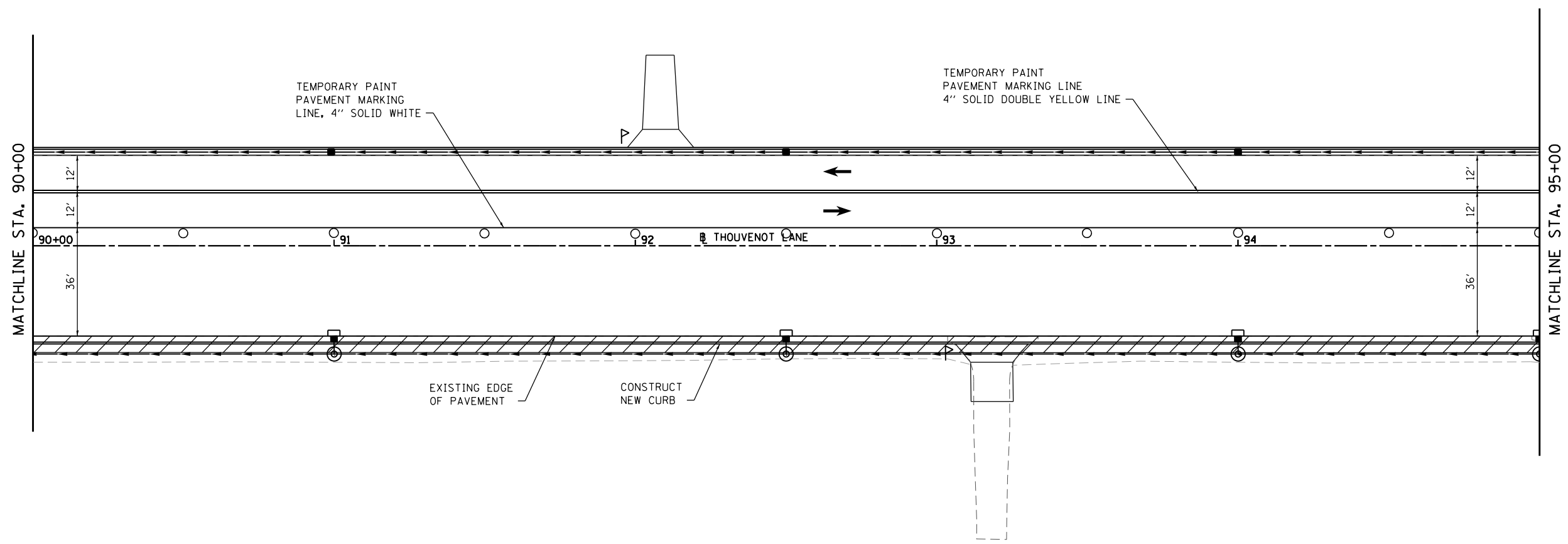


USER NAME = scott.felkt	DESIGNED -	REVISED -
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PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

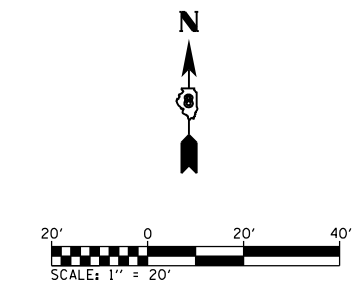
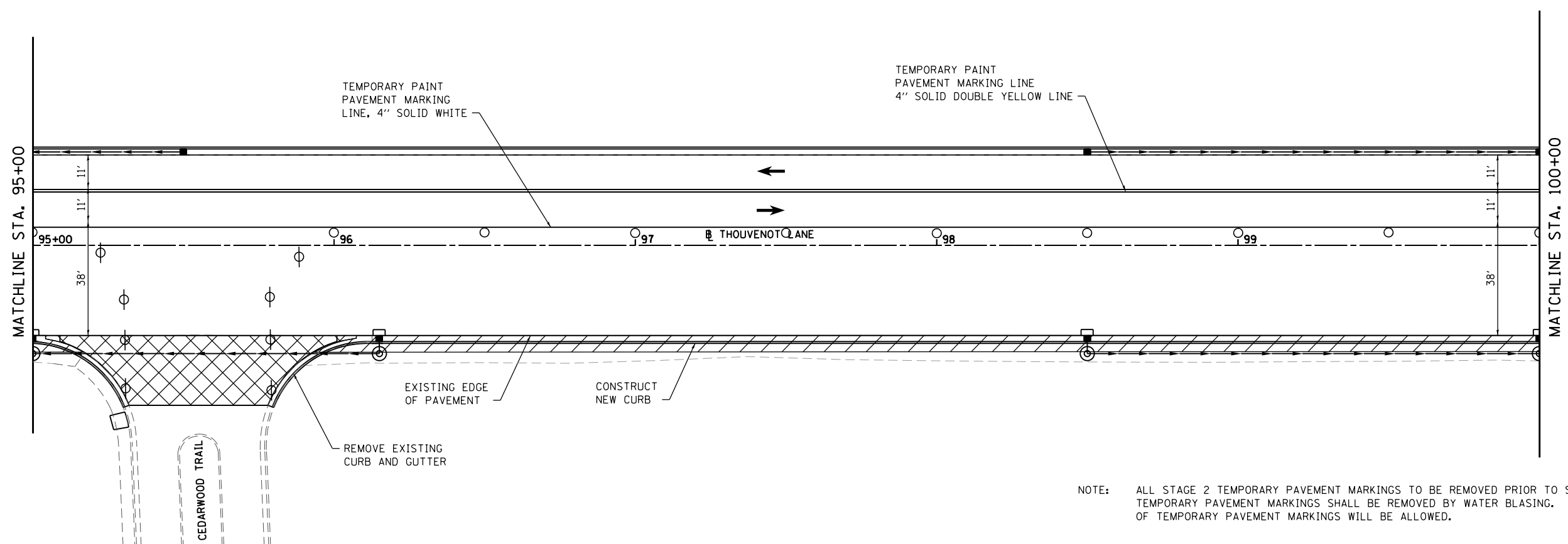


SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL			
SCALE: 1" = 20'	SHEET 15	OF 21 SHEETS	STA. 80+00 TO STA. 90+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	59
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



- TRAFFIC CONTROL LEGEND**
- NEW PCC PAVEMENT
  - TEMPORARY WIDENING REM
  - TRAFFIC CONTROL DRUM
  - TRAFFIC CONTROL DRUM W/ FLASHING LIGHT
  - TEMPORARY CONCRETE BARRIER
  - IMPACT ATTENUATOR, TEMP NRN TL3



NOTE: ALL STAGE 2 TEMPORARY PAVEMENT MARKINGS TO BE REMOVED PRIOR TO STAGE 3. TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASING. NO GRINDING OF TEMPORARY PAVEMENT MARKINGS WILL BE ALLOWED.

**STAGE 3**

MODEL Stage 4 Sheet 4  
FILE NAME: H:\R17022 - ESPE WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\17022-ESPE Stage 1.dgn



USER NAME = scott.felot  
PLOT SCALE = 40.0000 ' / in.  
PLOT DATE = 10/18/2021

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

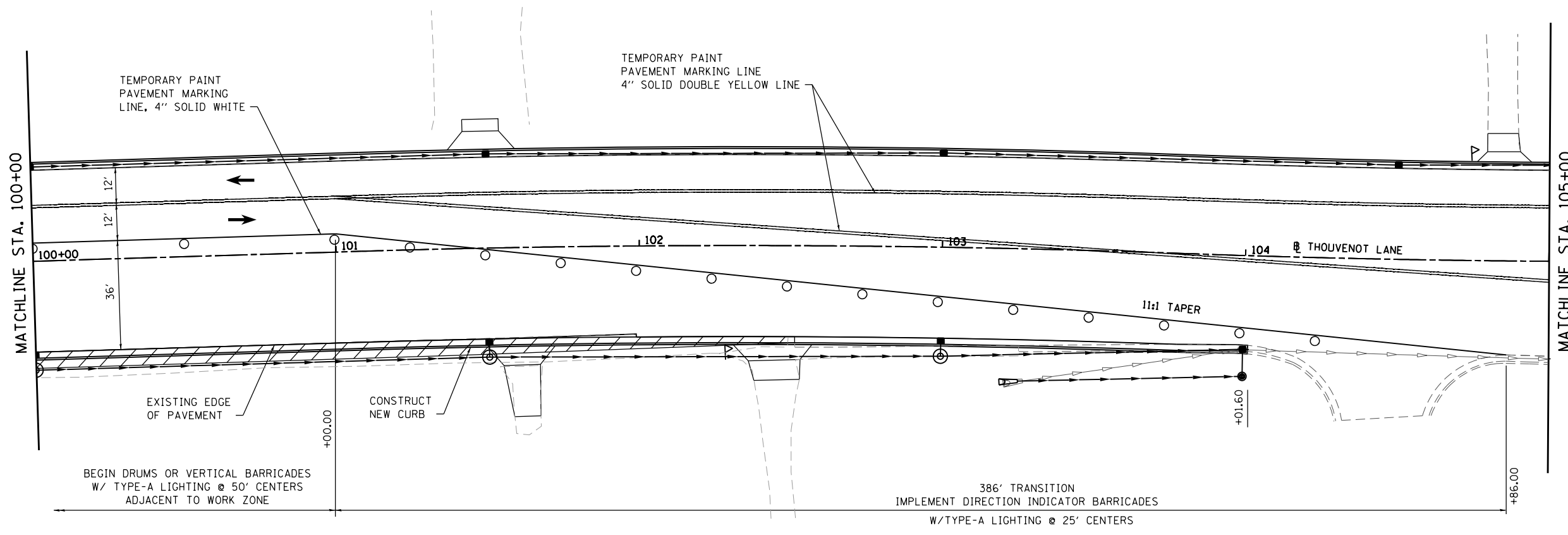


**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**







**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**

SCALE: 1" = 20' SHEET 16 OF 21 SHEETS STA. 90+00 TO STA. 100+00

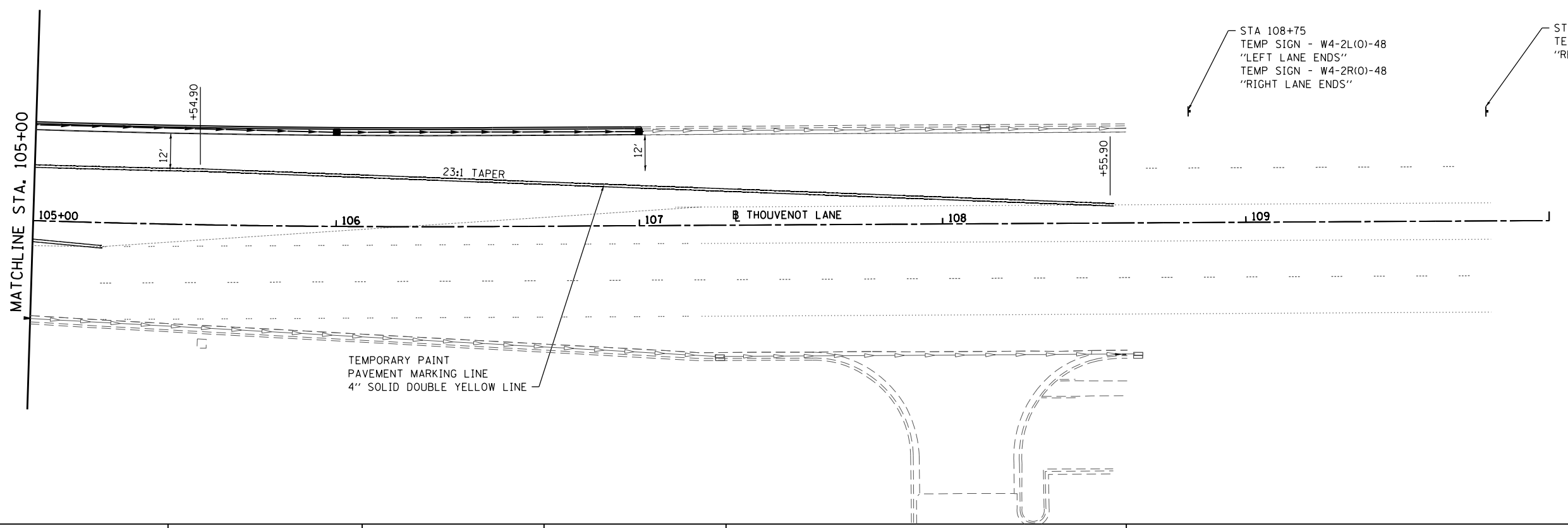
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	60
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



**TRAFFIC CONTROL LEGEND**

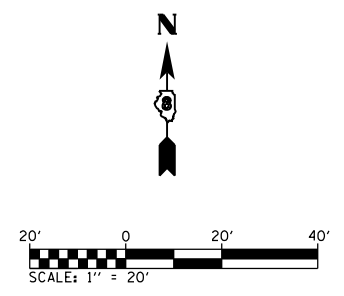
-  NEW PCC PAVEMENT
-  TEMPORARY WIDENING REM
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM W/ FLASHING LIGHT
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR, TEMP NRN TL3

NOTE: ALL STAGE 2 TEMPORARY PAVEMENT MARKINGS TO BE REMOVED PRIOR TO STAGE 3. TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASING. NO GRINDING OF TEMPORARY PAVEMENT MARKINGS WILL BE ALLOWED.



STA 108+75  
TEMP SIGN - W4-2L(O)-48  
"LEFT LANE ENDS"  
TEMP SIGN - W4-2R(O)-48  
"RIGHT LANE ENDS"

STA 109+75  
TEMP SIGN - R2-5A-2430  
"REDUCED SPEED AHEAD"



**STAGE 3**

MODEL Stage 4 Sheet 5  
FILE NAME: I:\R17022 - FSE WIDENING PHASE 2\CADD\micrconstan\CADD Drawings\17022-shcstage1.dgn



USER NAME = scott.felot	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

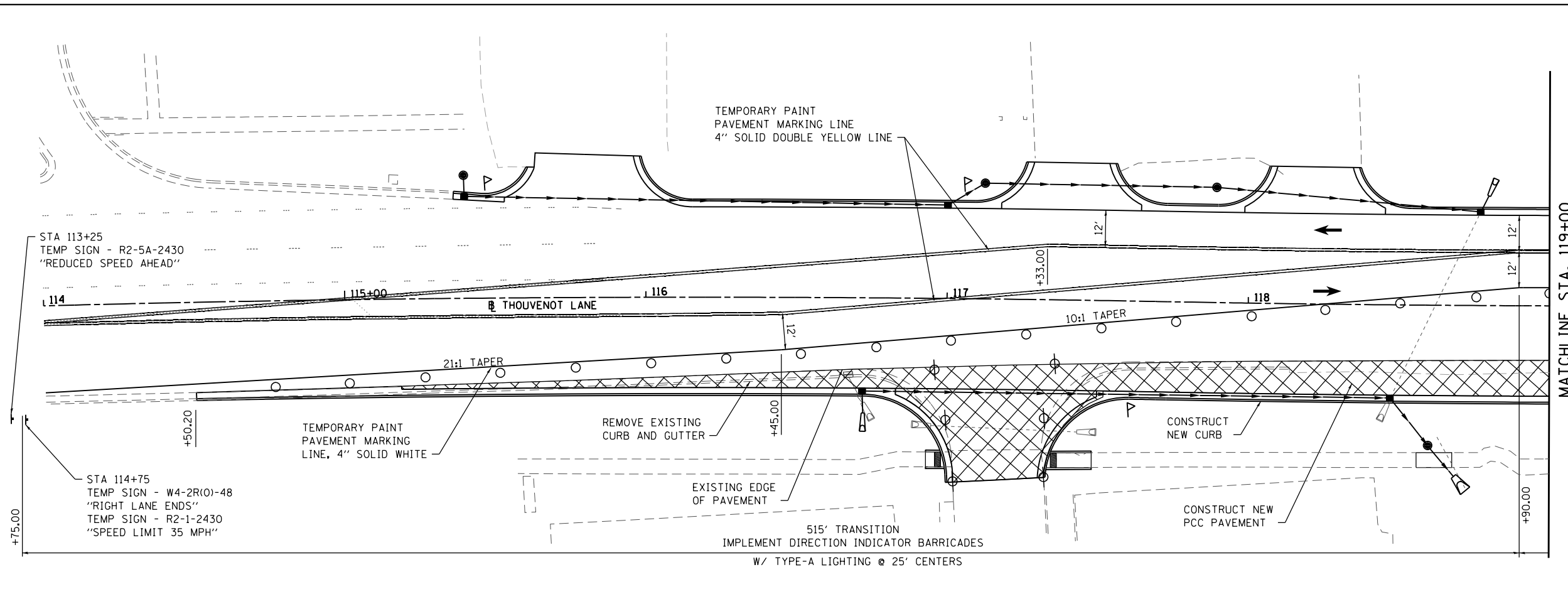


**ST. CLAIR COUNTY DEPARTMENT  
OF ROADS AND BRIDGES**

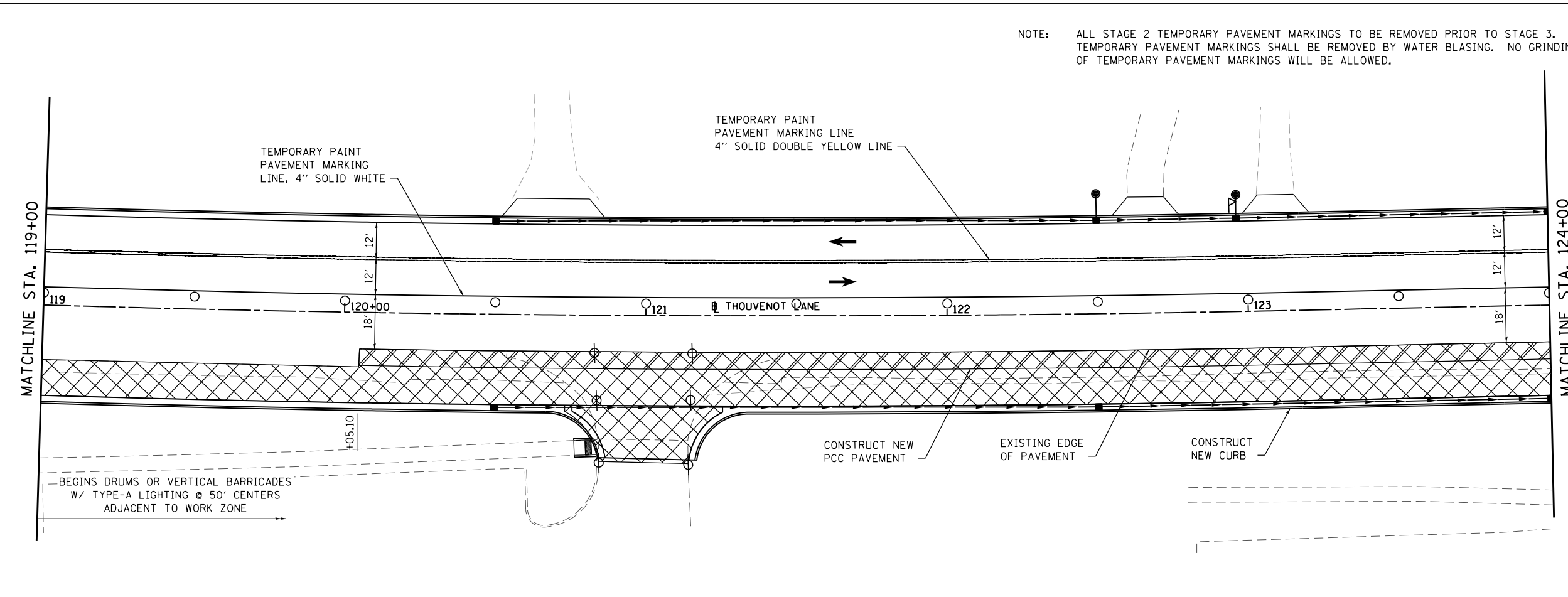
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**

SCALE: 1" = 20' SHEET 17 OF 21 SHEETS STA. 100+00 TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	61
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



NOTE: ALL STAGE 2 TEMPORARY PAVEMENT MARKINGS TO BE REMOVED PRIOR TO STAGE 3. TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASING. NO GRINDING OF TEMPORARY PAVEMENT MARKINGS WILL BE ALLOWED.



**TRAFFIC CONTROL LEGEND**

- NEW PCC PAVEMENT
- TEMPORARY WIDENING REM
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ FLASHING LIGHT
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMP NRN TL3

N

20' 0 20' 40'

SCALE: 1" = 20'

**STAGE 3**

MODEL Stage 4 Sheet 6  
FILE NAME: I:\R17022 - ESPE WIDENING PHASE 2\CADD\micr\station\CADD Drawings\17022-Phase1.dwg



USER NAME = scott.felkt	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -







**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

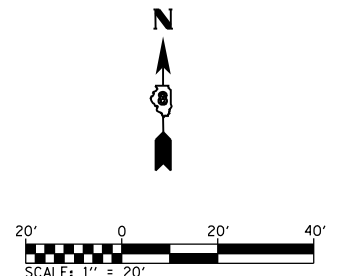
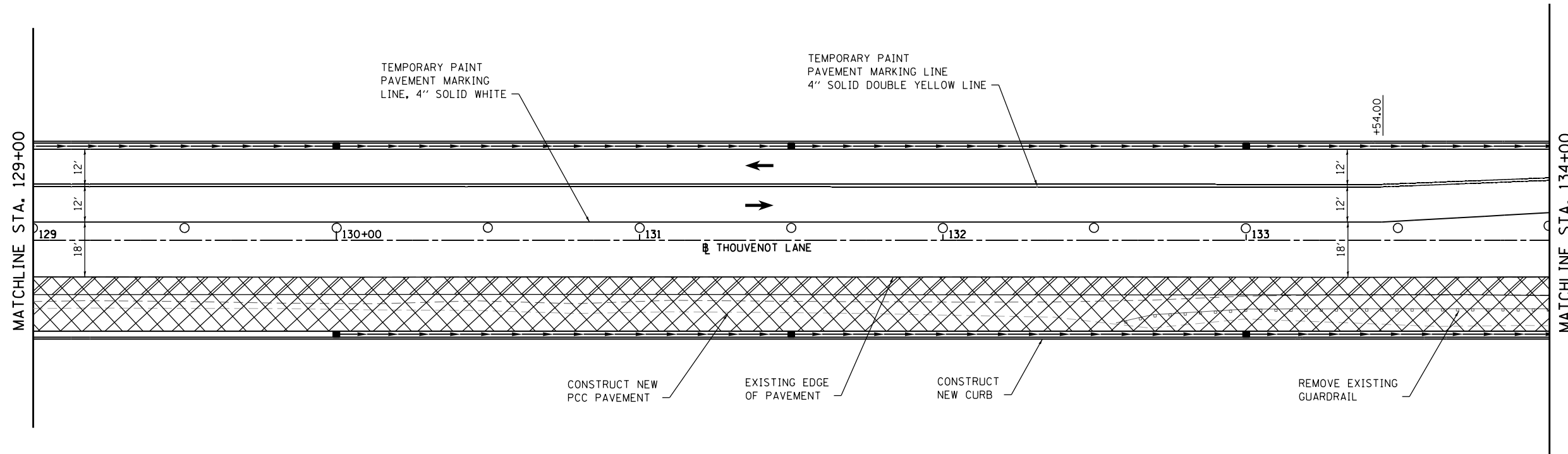
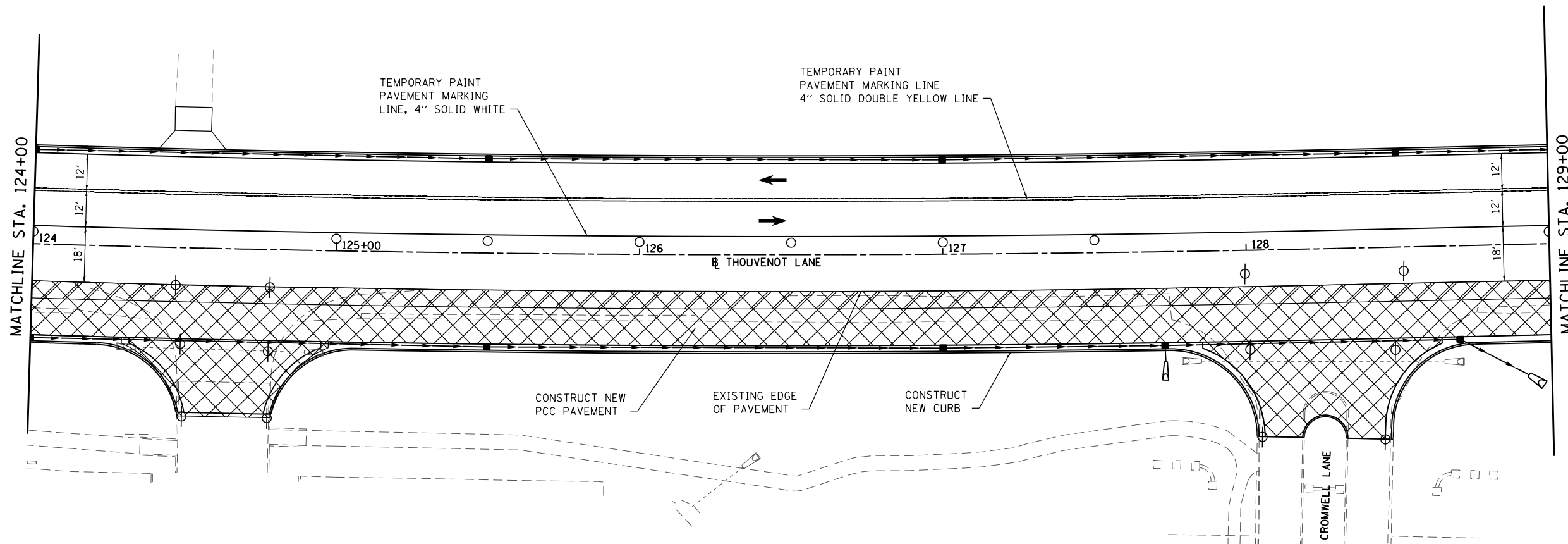
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**

SCALE: 1" = 20'    SHEET 18 OF 21 SHEETS    STA.    TO STA. 124+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	62
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

**TRAFFIC CONTROL LEGEND**

-  NEW PCC PAVEMENT
-  TEMPORARY WIDENING REM
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM W/ FLASHING LIGHT
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR, TEMP NRN TL3



NOTE: ALL STAGE 2 TEMPORARY PAVEMENT MARKINGS TO BE REMOVED PRIOR TO STAGE 3. TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASING. NO GRINDING OF TEMPORARY PAVEMENT MARKINGS WILL BE ALLOWED.

**STAGE 3**

MODEL Stage 4 Sheet 7  
FILE NAME: R:\17022 - ESPE WIDENING PHASE 2\CADD\micr\station\CADD Drawings\17022-ESPE Stage 1.dgn



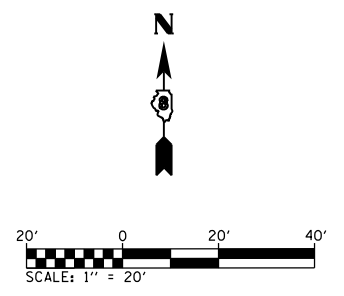
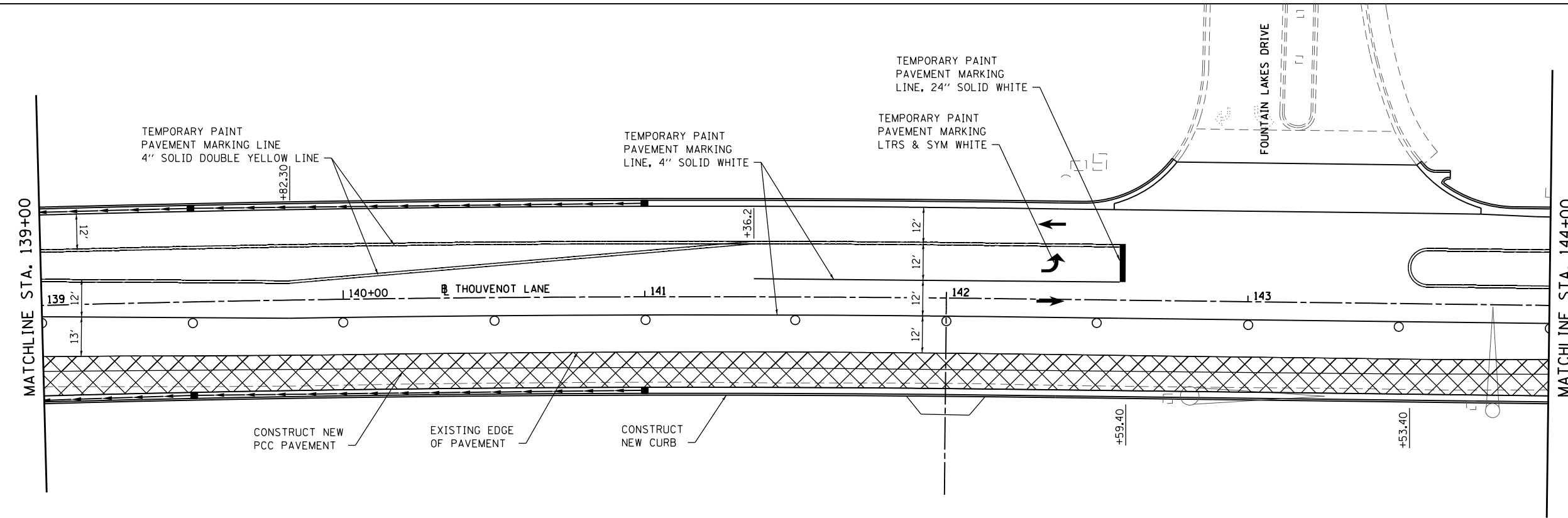
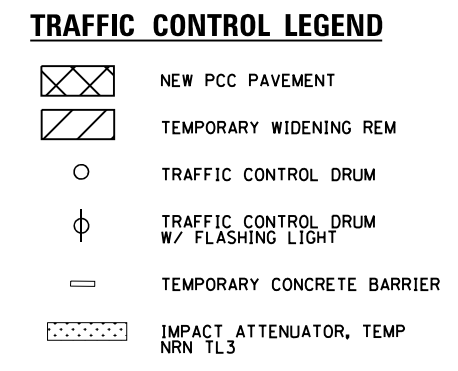
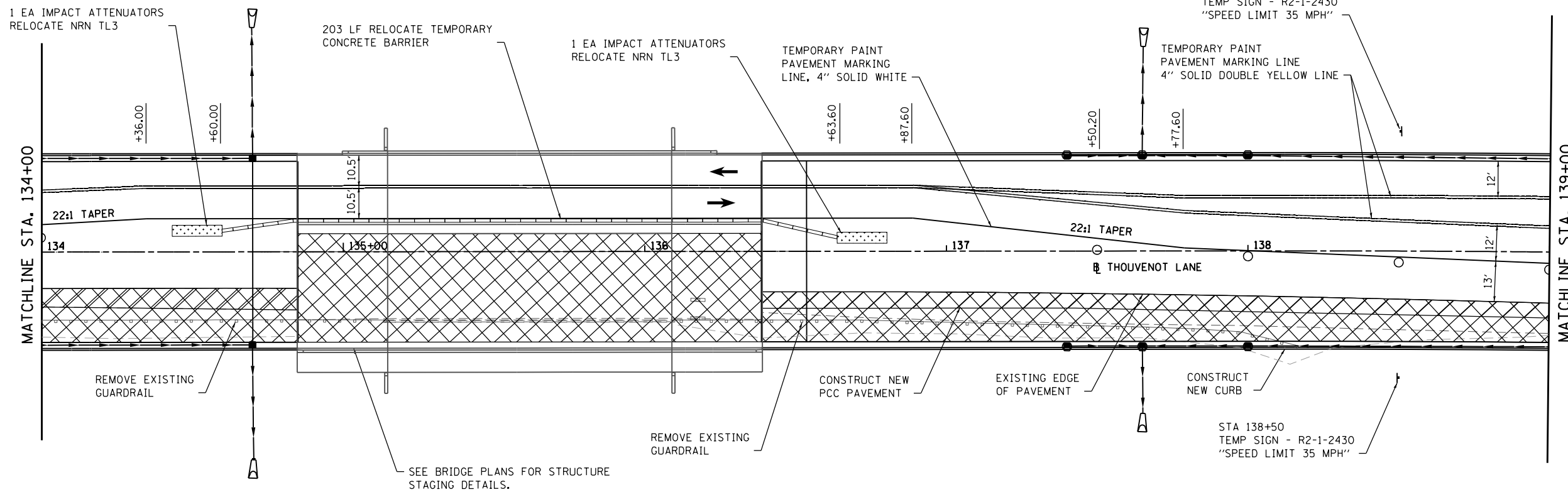
USER NAME = scott.feltd	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL			
SCALE: 1" = 20'	SHEET 19	OF 21 SHEETS	STA. 124+00 TO STA. 134+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	63
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				





NOTE: ALL STAGE 2 TEMPORARY PAVEMENT MARKINGS TO BE REMOVED PRIOR TO STAGE 3. TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASING. NO GRINDING OF TEMPORARY PAVEMENT MARKINGS WILL BE ALLOWED.

### STAGE 3

MODEL Stage 4 Sheet 8  
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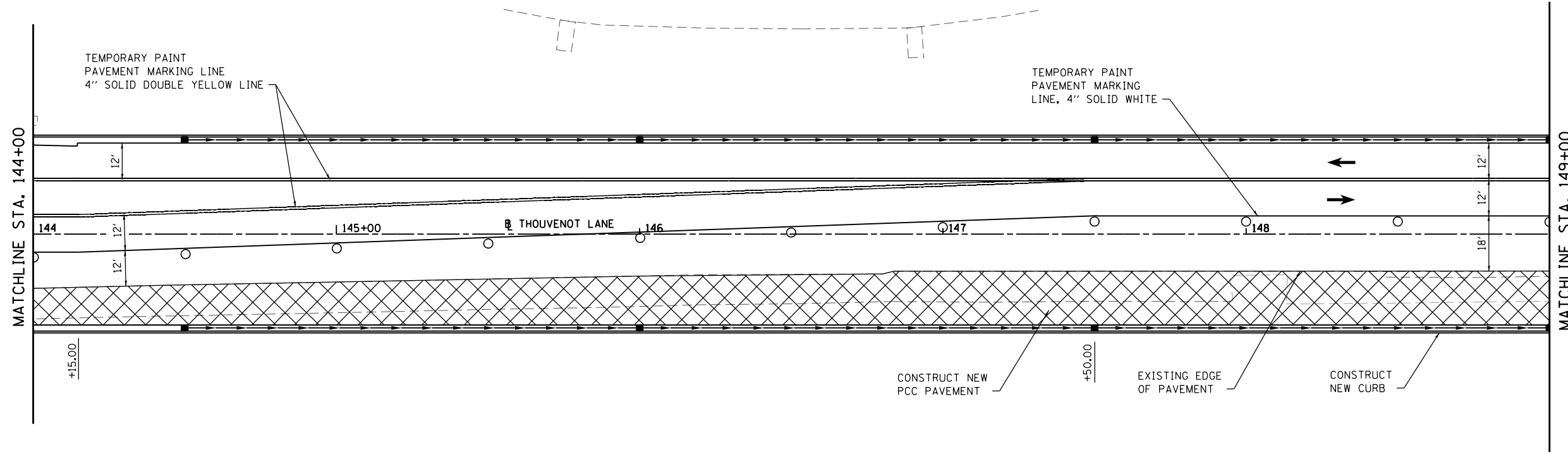


USER NAME = scott.felkt	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



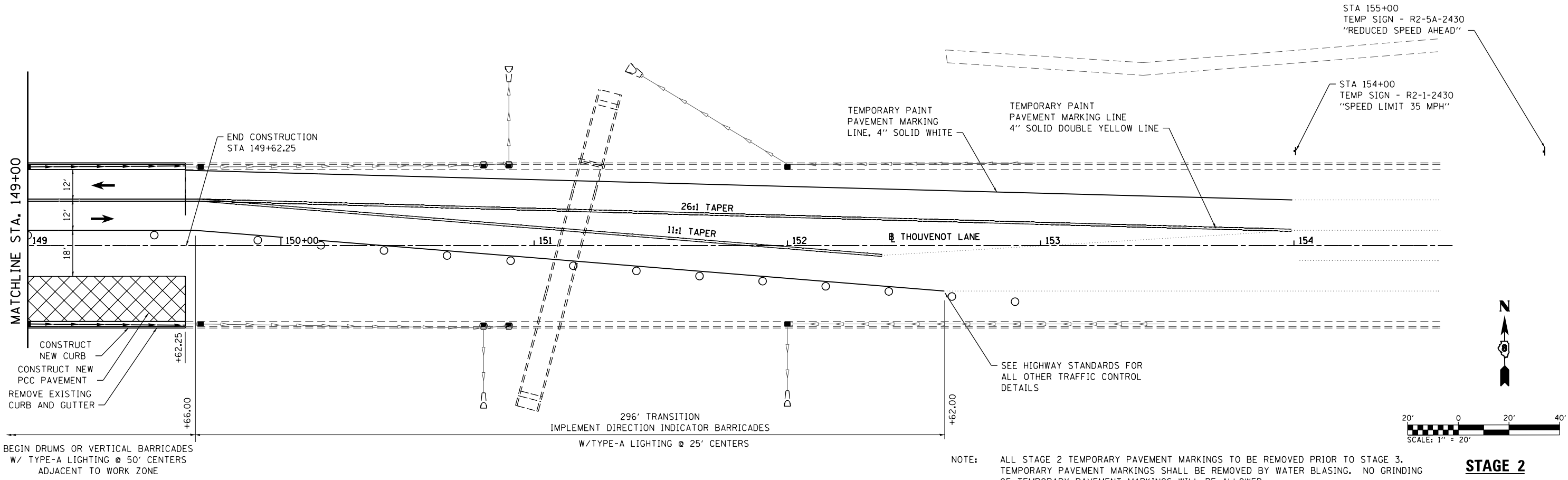
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL			
SCALE: 1" = 20'	SHEET 20	OF 21 SHEETS	STA. 134+00 TO STA. 144+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	64
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



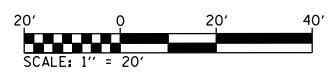
**TRAFFIC CONTROL LEGEND**

	NEW PCC PAVEMENT
	TEMPORARY WIDENING REM
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM W/ FLASHING LIGHT
	TEMPORARY CONCRETE BARRIER
	IMPACT ATTENUATOR, TEMP NRN TL3



NOTE: ALL STAGE 2 TEMPORARY PAVEMENT MARKINGS TO BE REMOVED PRIOR TO STAGE 3. TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASING. NO GRINDING OF TEMPORARY PAVEMENT MARKINGS WILL BE ALLOWED.

**STAGE 2**



MODEL Stage 4 Sheet 9  
 FILE NAME: R:\17032 - ESSE WIDENING PHASE 2\CADD\micr\station\CADD Drawings\17032-shcstage1.dgn  
 OATES ASSOCIATES  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = scott.felkt	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

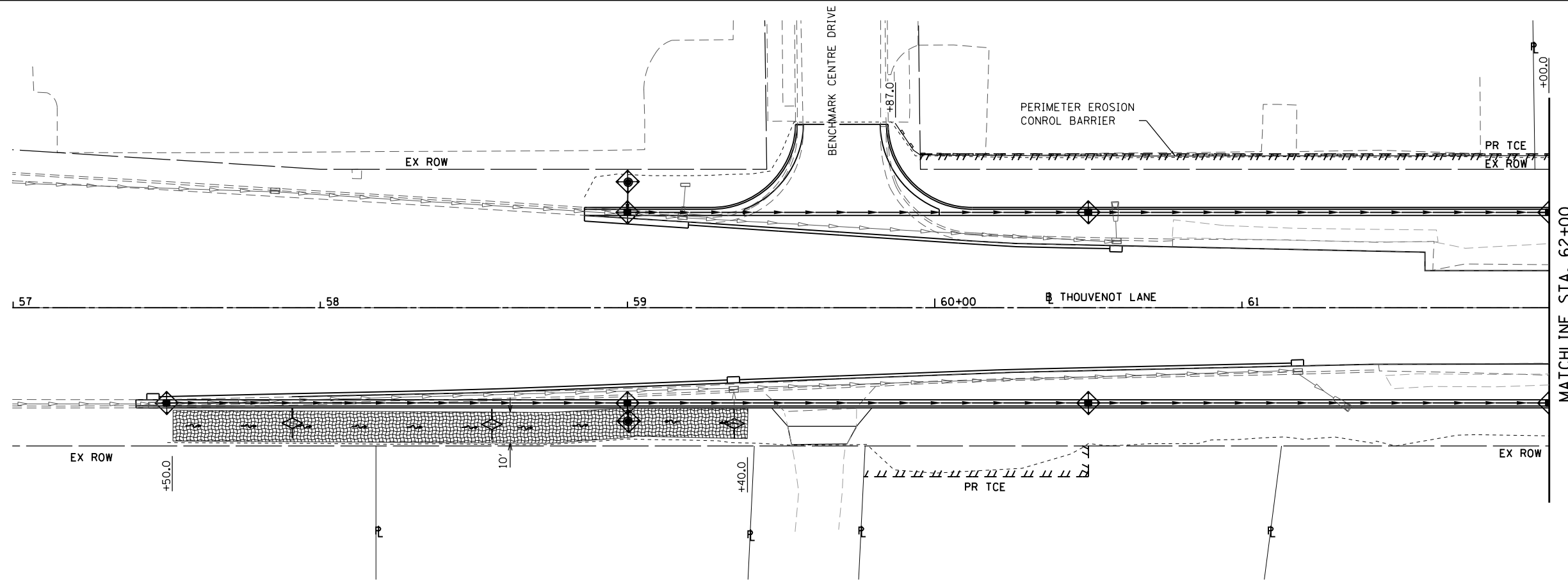


**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**

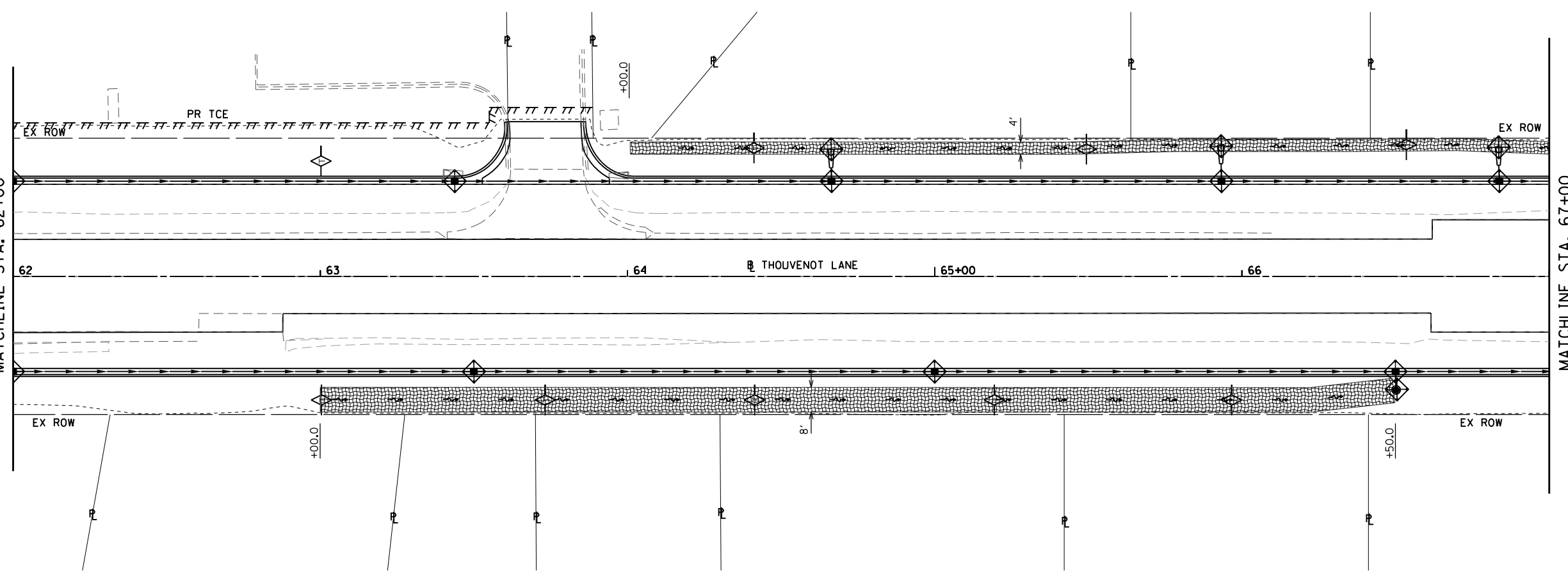
SCALE: 1" = 20' SHEET 21 OF 21 SHEETS STA. 144+00 TO STA. 154+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	65
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

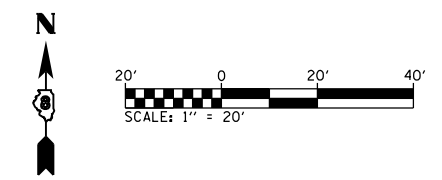


- ### EROSION CONTROL LEGEND
- LIMITS OF CONSTRUCTION
  - TEMPORARY DITCH CHECK
  - PERIMETER EROSION BARRIER SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
  - INLET AND PIPE PROTECTION
  - EROSION CONTROL BLANKET
  - STONE RIPRAP
  - TURF REINFORCEMENT MAT

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.



DITCH CHECK SPACING		
% SLOPE	HT. AT CENTER OVERFLOW PT. DITCH CHECK	SPACING OF DITCH CHECK IN FEET
8%	1.0 FT.	13
	1.5 FT.	20
	2.0 FT.	26
7%	1.0 FT.	14
	1.5 FT.	21
	2.0 FT.	28
6%	1.0 FT.	17
	1.5 FT.	26
	2.0 FT.	34
5%	1.0 FT.	20
	1.5 FT.	30
	2.0 FT.	40
4%	1.0 FT.	25
	1.5 FT.	38
	2.0 FT.	50
3%	1.0 FT.	33
	1.5 FT.	50
	2.0 FT.	66
2%	1.0 FT.	50
	1.5 FT.	75
	2.0 FT.	100
1% & BELOW	1.0 FT.	100
	1.5 FT.	150
	2.0 FT.	200



MODEL SHEET 1  
FILE NAME: I:\R17032 - ESPE WIDENING PHASE 2\CADD\micrconstan\CADD Drawings\17032-erosecon.dgn



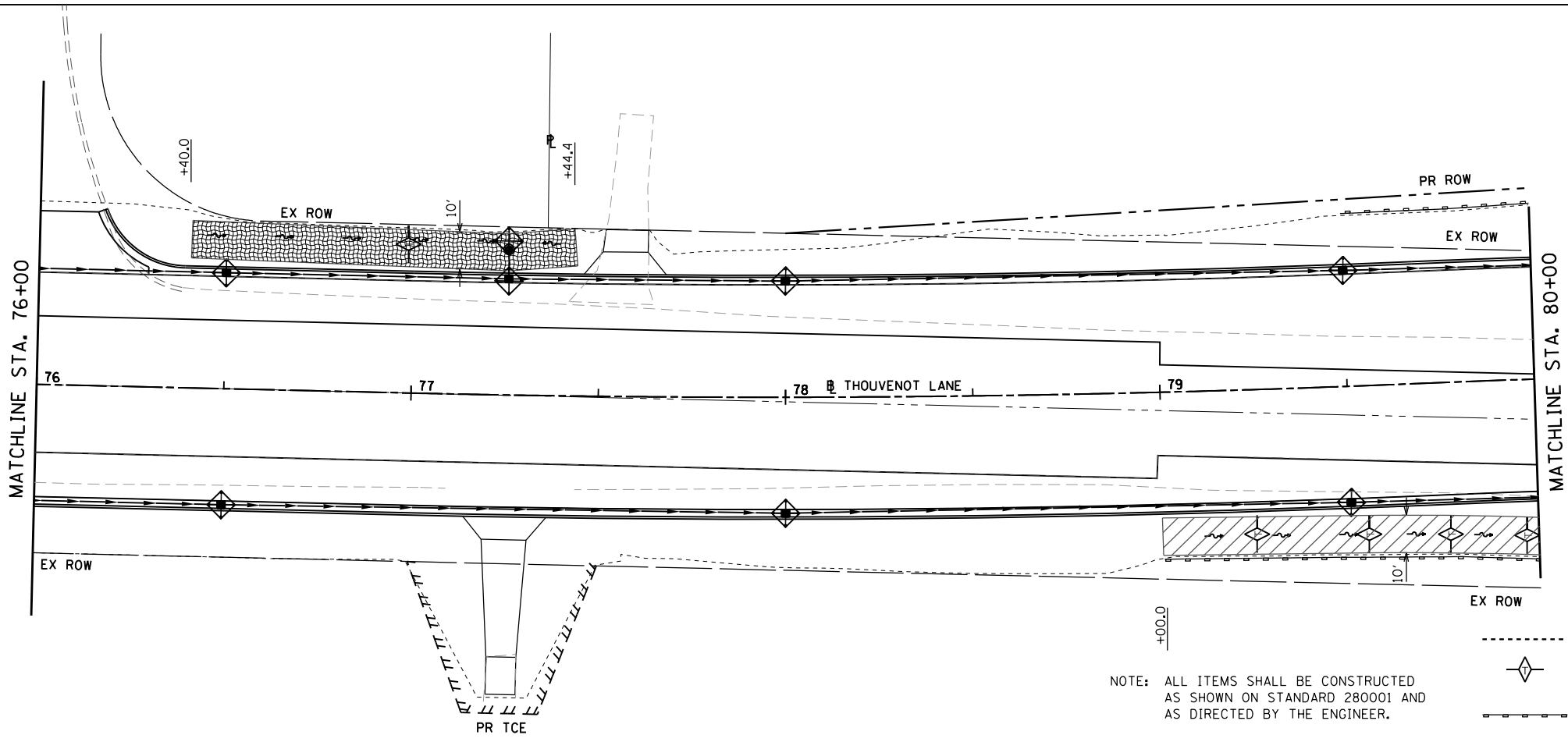
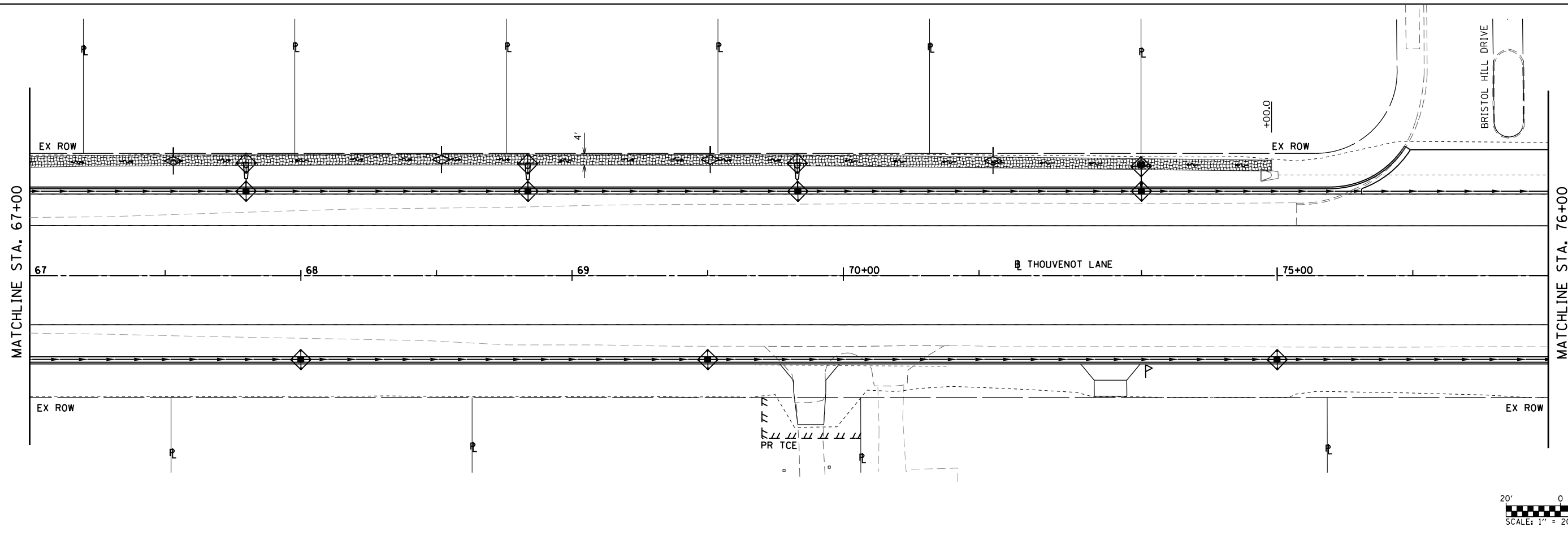
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PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**EROSION CONTROL PLANS**

SCALE: 1" = 20'    SHEET 1 OF 9 SHEETS    STA. 57+00 TO STA. 67+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	66
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



DITCH CHECK SPACING

% SLOPE	HT. AT CENTER OVERFLOW PT. DITCH CHECK	SPACING OF DITCH CHECK IN FEET
8%	1.0 FT.	13
	1.5 FT.	20
	2.0 FT.	26
7%	1.0 FT.	14
	1.5 FT.	21
	2.0 FT.	28
6%	1.0 FT.	17
	1.5 FT.	26
	2.0 FT.	34
5%	1.0 FT.	20
	1.5 FT.	30
	2.0 FT.	40
4%	1.0 FT.	25
	1.5 FT.	38
	2.0 FT.	50
3%	1.0 FT.	33
	1.5 FT.	50
	2.0 FT.	66
2%	1.0 FT.	50
	1.5 FT.	75
	2.0 FT.	100
1% & BELOW	1.0 FT.	100
	1.5 FT.	150
	2.0 FT.	200

**EROSION CONTROL LEGEND**

- LIMITS OF CONSTRUCTION
- ◆ TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
- ◆ INLET AND PIPE PROTECTION
- ▨ EROSION CONTROL BLANKET
- ▨ STONE RIPRAP
- ▨ TURF REINFORCEMENT MAT

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.

MODEL: Sheet 2  
FILE NAME: 101817032 - ESPE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-erosecon.dgn



USER NAME = scott.felot  
PLOT SCALE = 40.0000 ' / in.  
PLOT DATE = 10/18/2021

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

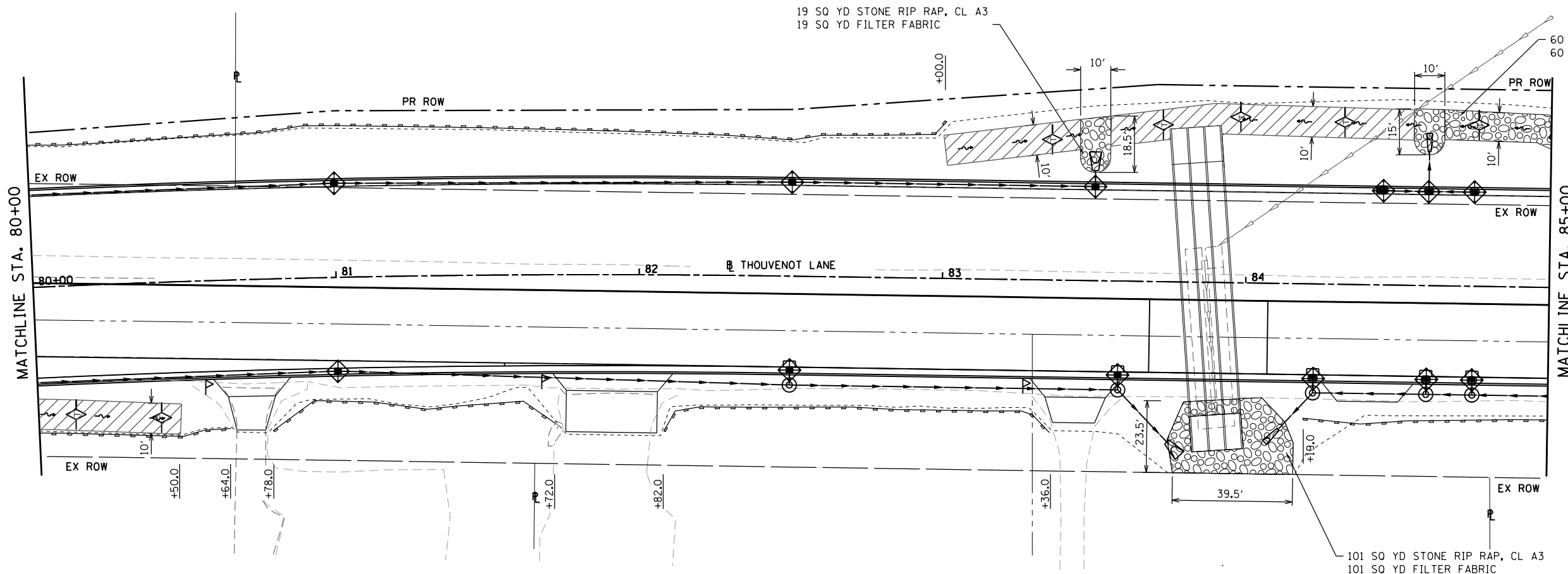


**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**EROSION CONTROL PLANS**

SCALE: 1" = 20' SHEET 2 OF 9 SHEETS STA. 67+00 TO STA. 80+00

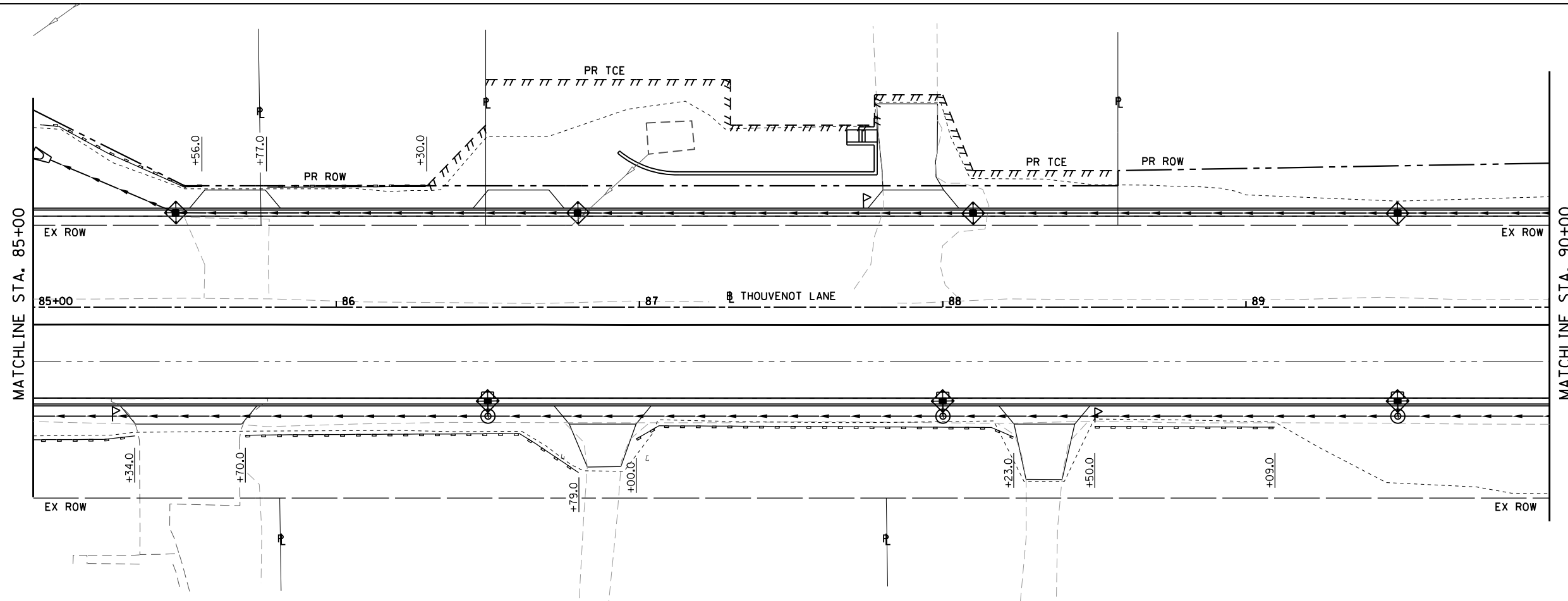
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	67
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



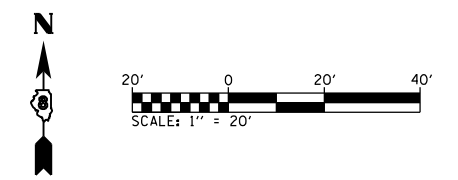
### EROSION CONTROL LEGEND

- LIMITS OF CONSTRUCTION
- ◇ TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER  
SILT FILTER FENCE OR OTHER  
AS APPROVED BY THE ENGINEER
- ◇ INLET AND PIPE PROTECTION
- ▨ EROSION CONTROL BLANKET
- ⊙ STONE RIPRAP
- ▨ TURF REINFORCEMENT MAT

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.



DITCH CHECK SPACING		
% SLOPE	HT. AT CENTER OF OVERFLOW PT. DITCH CHECK	SPACING OF DITCH CHECK IN FEET
8%	1.0 FT.	13
	1.5 FT.	20
	2.0 FT.	26
7%	1.0 FT.	14
	1.5 FT.	21
	2.0 FT.	28
6%	1.0 FT.	17
	1.5 FT.	26
	2.0 FT.	34
5%	1.0 FT.	20
	1.5 FT.	30
	2.0 FT.	40
4%	1.0 FT.	25
	1.5 FT.	38
	2.0 FT.	50
3%	1.0 FT.	33
	1.5 FT.	50
	2.0 FT.	66
2%	1.0 FT.	50
	1.5 FT.	75
	2.0 FT.	100
1% & BELOW	1.0 FT.	100
	1.5 FT.	150
	2.0 FT.	200



MODEL: Sheet 3  
FILE NAME: I:\R17032 - ES&E WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-ESC-erosion.dgn



USER NAME = scott.feldt	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

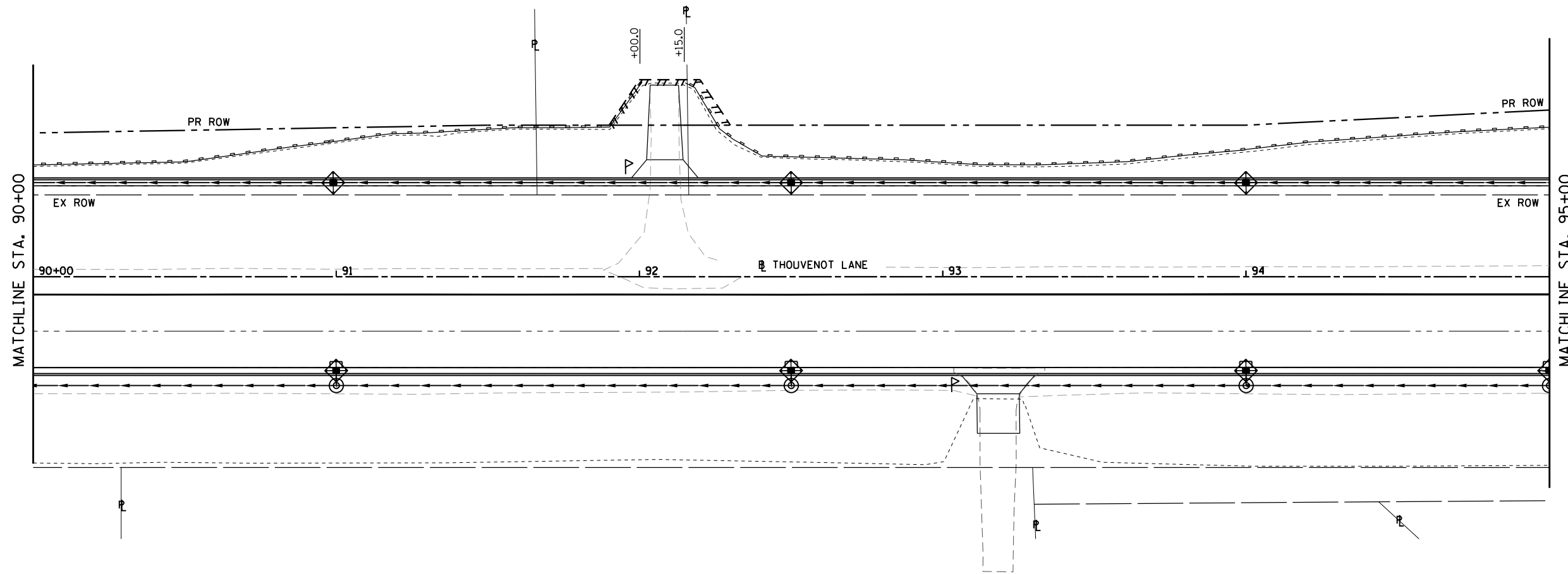


**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**EROSION CONTROL PLANS**

SCALE: 1" = 20'    SHEET 3 OF 9 SHEETS    STA. 80+00 TO STA. 90+00

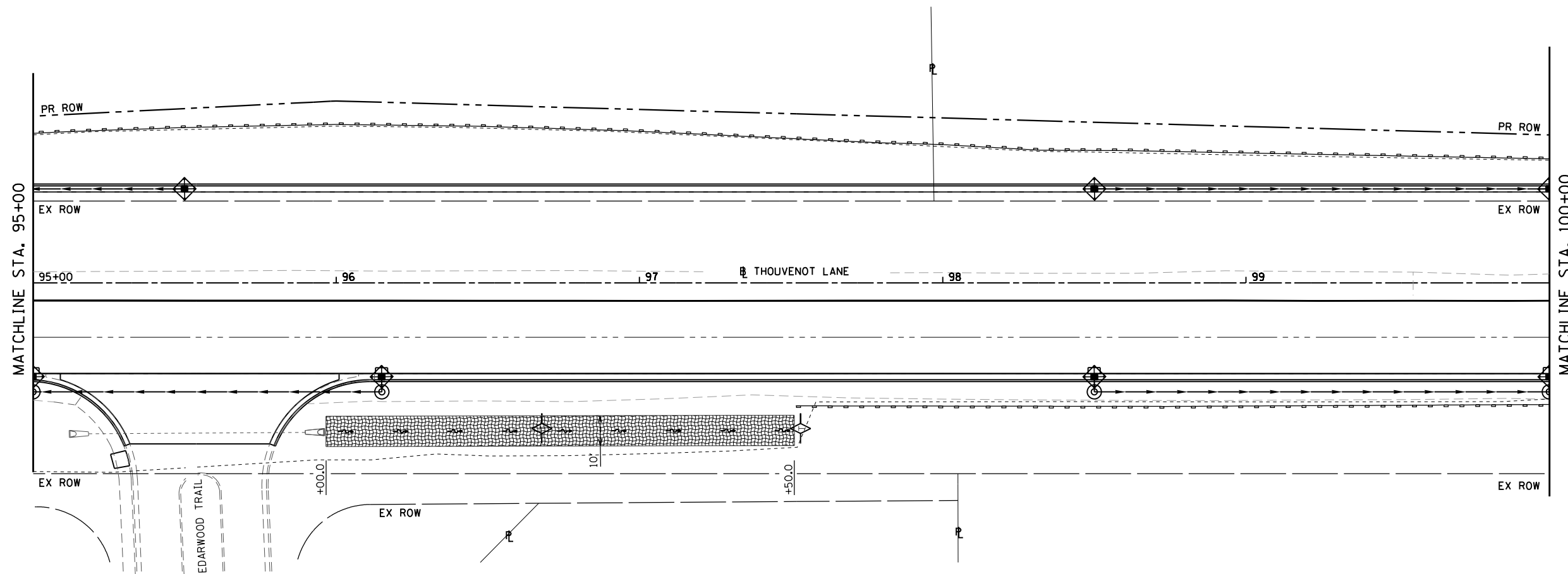
F.A.U. RTE. 9330	SECTION 13-00301-15-PW	COUNTY ST. CLAIR	TOTAL SHEETS 251	SHEET NO. 68
CONTRACT NO. 97752			ILLINOIS FED. AID PROJECT	



**EROSION CONTROL LEGEND**

- LIMITS OF CONSTRUCTION
- ◇ TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER  
SILT FILTER FENCE OR OTHER  
AS APPROVED BY THE ENGINEER
- ◇ INLET AND PIPE PROTECTION
- ▨ EROSION CONTROL BLANKET
- ⊙ STONE RIPRAP
- ▨ TURF REINFORCEMENT MAT

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.



DITCH CHECK SPACING		
% SLOPE	HT. AT CENTER OF OVERFLOW PT. DITCH CHECK	SPACING OF DITCH CHECK IN FEET
8%	1.0 FT.	13
	1.5 FT.	20
	2.0 FT.	26
7%	1.0 FT.	14
	1.5 FT.	21
	2.0 FT.	28
6%	1.0 FT.	17
	1.5 FT.	26
	2.0 FT.	34
5%	1.0 FT.	20
	1.5 FT.	30
	2.0 FT.	40
4%	1.0 FT.	25
	1.5 FT.	38
	2.0 FT.	50
3%	1.0 FT.	33
	1.5 FT.	50
	2.0 FT.	66
2%	1.0 FT.	50
	1.5 FT.	75
	2.0 FT.	100
1% & BELOW	1.0 FT.	100
	1.5 FT.	150
	2.0 FT.	200



MODEL SHEET 4  
FILE NAME: I:\R17032 - ESSE WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\17032-ESC-erosion.dgn



USER NAME = scott.felot  
PLOT SCALE = 40.0000 ' / in.  
PLOT DATE = 10/18/2021

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

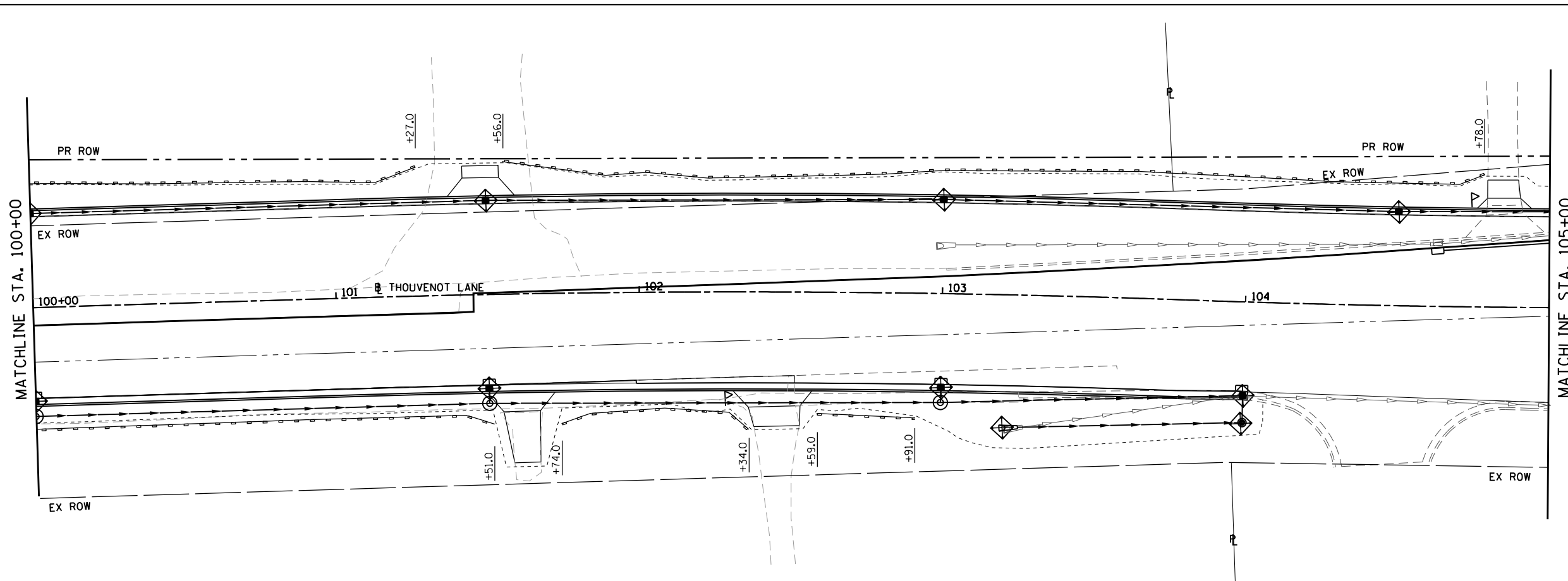


**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**EROSION CONTROL PLANS**

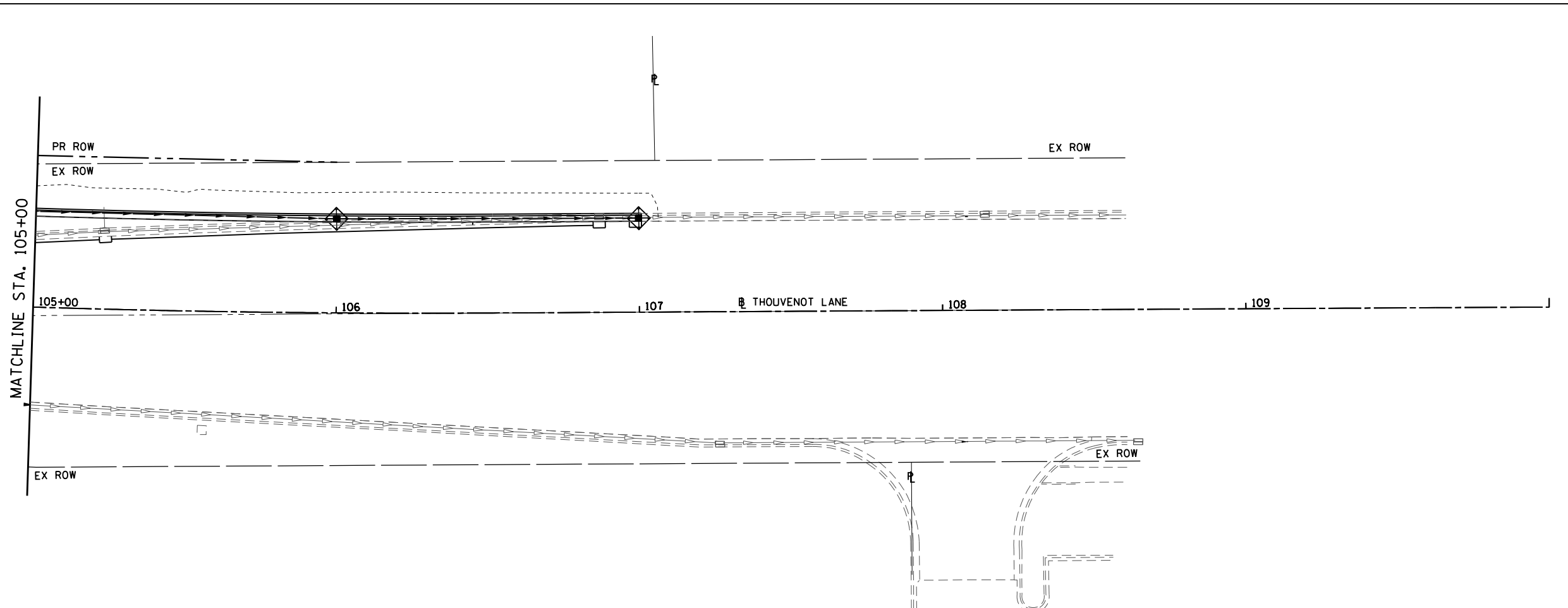
SCALE: 1" = 20' SHEET 4 OF 9 SHEETS STA. 90+00 TO STA. 100+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	69
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

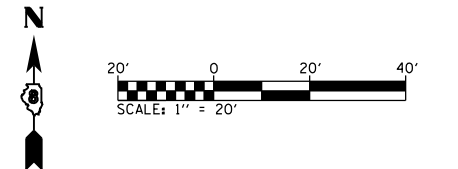


- ### EROSION CONTROL LEGEND
- LIMITS OF CONSTRUCTION
  - ◇ TEMPORARY DITCH CHECK
  - PERIMETER EROSION BARRIER  
SILT FILTER FENCE OR OTHER  
AS APPROVED BY THE ENGINEER
  - ◇ INLET AND PIPE PROTECTION
  - ▨ EROSION CONTROL BLANKET
  - ⊙ STONE RIPRAP
  - ▨ TURF REINFORCEMENT MAT

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.



DITCH CHECK SPACING		
% SLOPE	HT. AT CENTER OVERFLOW PT. DITCH CHECK	SPACING OF DITCH CHECK IN FEET
8%	1.0 FT.	13
	1.5 FT.	20
	2.0 FT.	26
7%	1.0 FT.	14
	1.5 FT.	21
	2.0 FT.	28
6%	1.0 FT.	17
	1.5 FT.	26
	2.0 FT.	34
5%	1.0 FT.	20
	1.5 FT.	30
	2.0 FT.	40
4%	1.0 FT.	25
	1.5 FT.	38
	2.0 FT.	50
3%	1.0 FT.	33
	1.5 FT.	50
	2.0 FT.	66
2%	1.0 FT.	50
	1.5 FT.	75
	2.0 FT.	100
1% & BELOW	1.0 FT.	100
	1.5 FT.	150
	2.0 FT.	200



MODEL SHEET 5  
FILE NAME: I:\R17032 - FSR WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\17032-FC-erosion.dgn



USER NAME = scott.felst  
 DESIGNED -  
 DRAWN -  
 PLOT SCALE = 40.0000 ' / in.  
 CHECKED -  
 DATE -  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

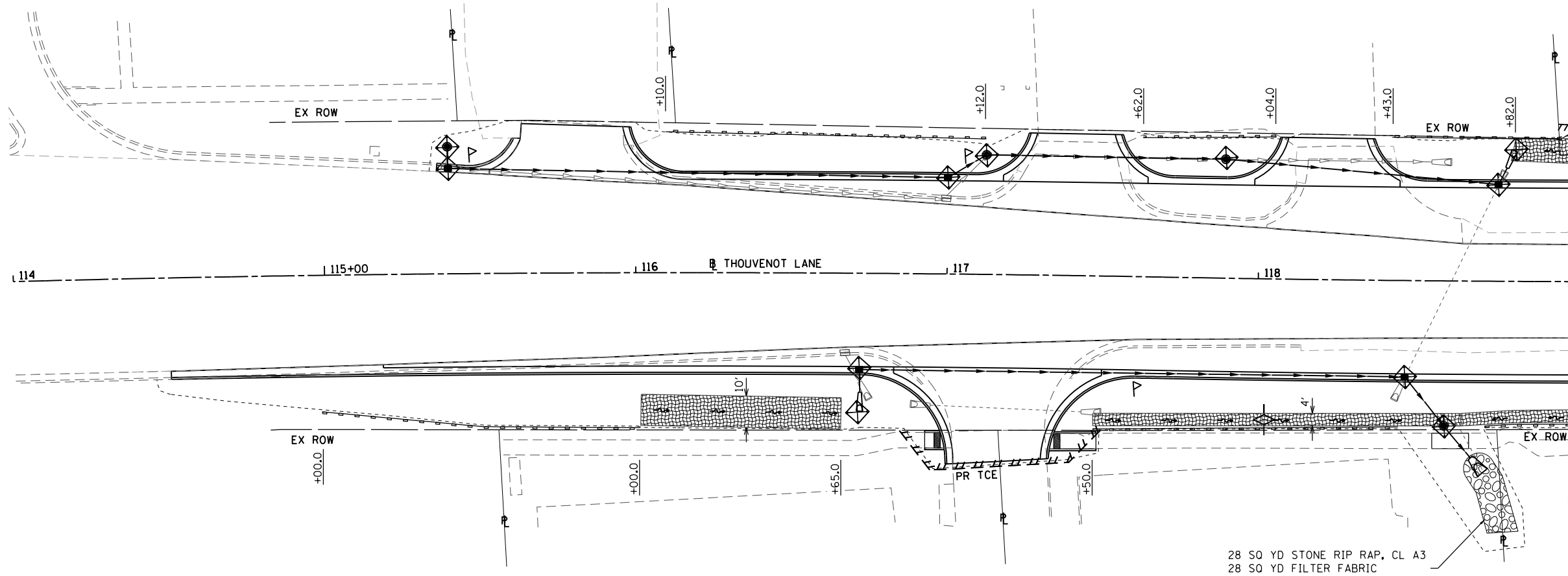


ST. CLAIR COUNTY DEPARTMENT  
 OF ROADS AND BRIDGES

EROSION CONTROL PLANS

SCALE: 1" = 20' SHEET 5 OF 9 SHEETS STA. 100+00 TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	70
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

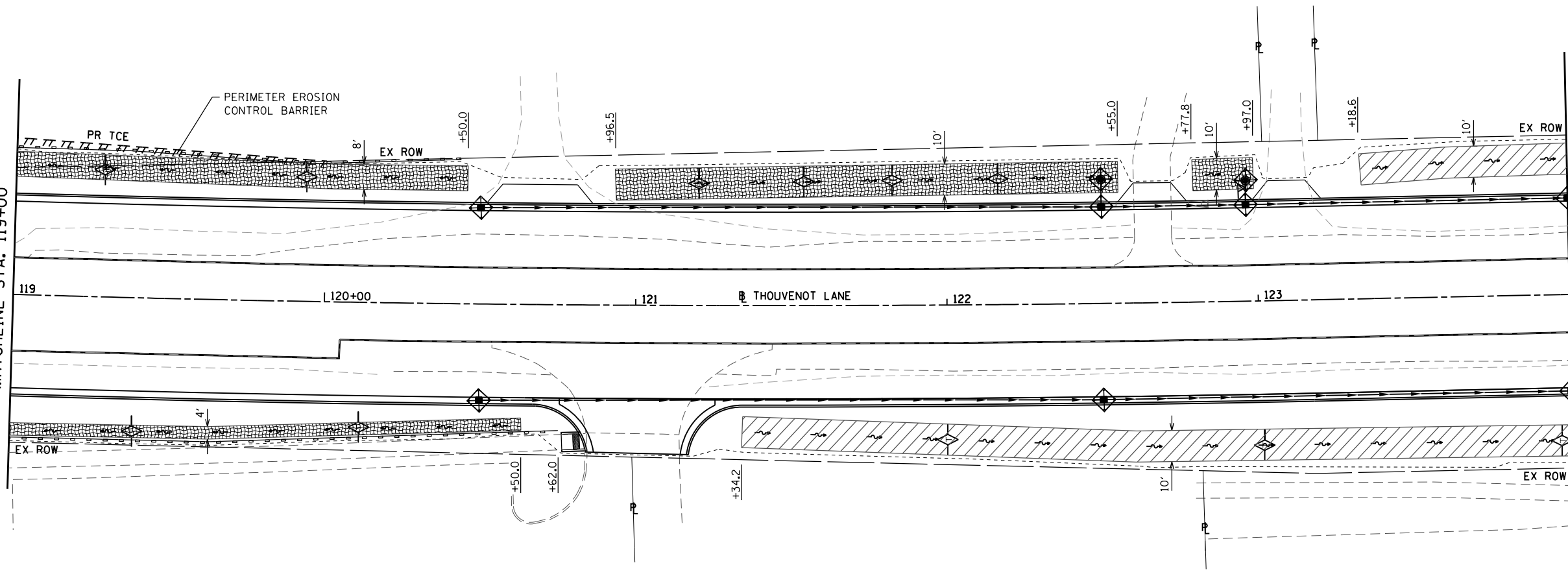


### EROSION CONTROL LEGEND

- LIMITS OF CONSTRUCTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER  
SILT FILTER FENCE OR OTHER  
AS APPROVED BY THE ENGINEER
- INLET AND PIPE PROTECTION
- EROSION CONTROL BLANKET
- STONE RIPRAP
- TURF REINFORCEMENT MAT

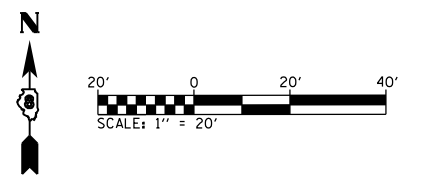
NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.

28 SQ YD STONE RIP RAP, CL A3  
28 SQ YD FILTER FABRIC



### DITCH CHECK SPACING

% SLOPE	HT. AT CENTER OVERFLOW PT. DITCH CHECK	SPACING OF DITCH CHECK IN FEET
8%	1.0 FT.	13
	1.5 FT.	20
	2.0 FT.	26
7%	1.0 FT.	14
	1.5 FT.	21
	2.0 FT.	28
6%	1.0 FT.	17
	1.5 FT.	26
	2.0 FT.	34
5%	1.0 FT.	20
	1.5 FT.	30
	2.0 FT.	40
4%	1.0 FT.	25
	1.5 FT.	38
	2.0 FT.	50
3%	1.0 FT.	33
	1.5 FT.	50
	2.0 FT.	66
2%	1.0 FT.	50
	1.5 FT.	75
	2.0 FT.	100
1% & BELOW	1.0 FT.	100
	1.5 FT.	150
	2.0 FT.	200



MODEL: Sheet 6  
FILE NAME: I:\R17032 - ES&E WIDENING PHASE 2\CADD\micrconstan\CADD Drawings\17032-erosecon.dgn



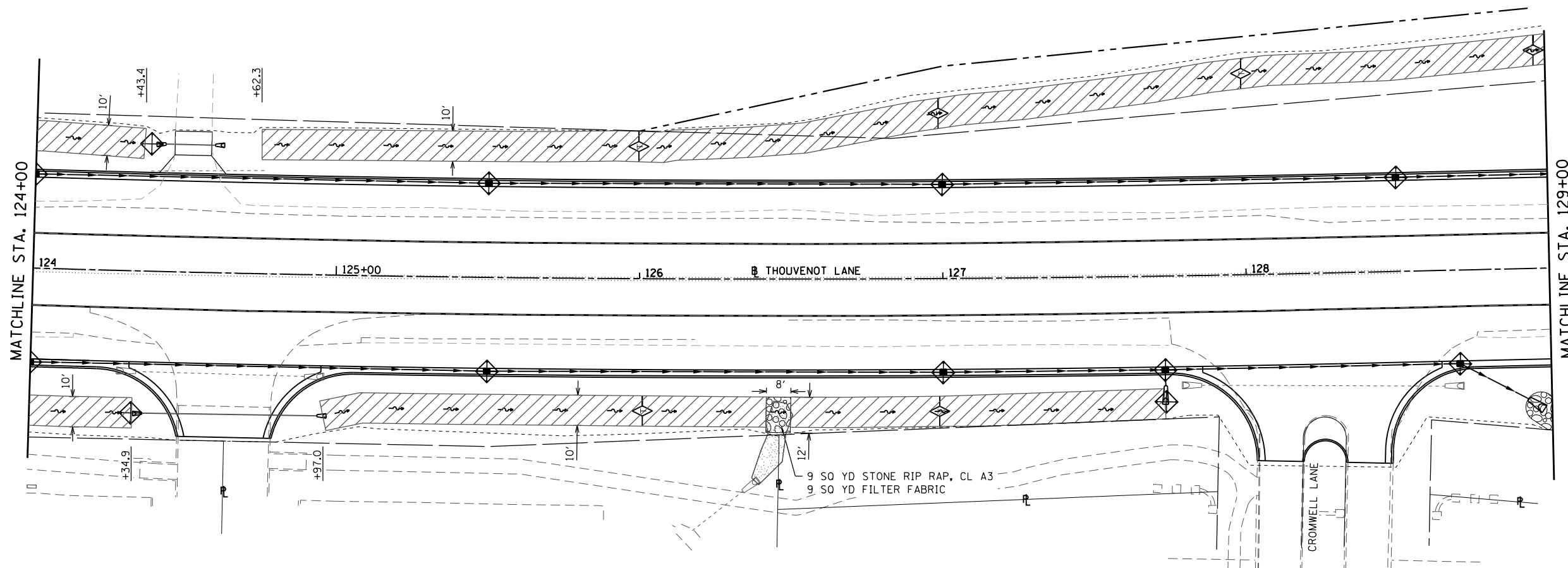
USER NAME = scott.feltdt	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

EROSION CONTROL PLANS  
SCALE: 1" = 20' SHEET 6 OF 9 SHEETS STA. TO STA. 124+00

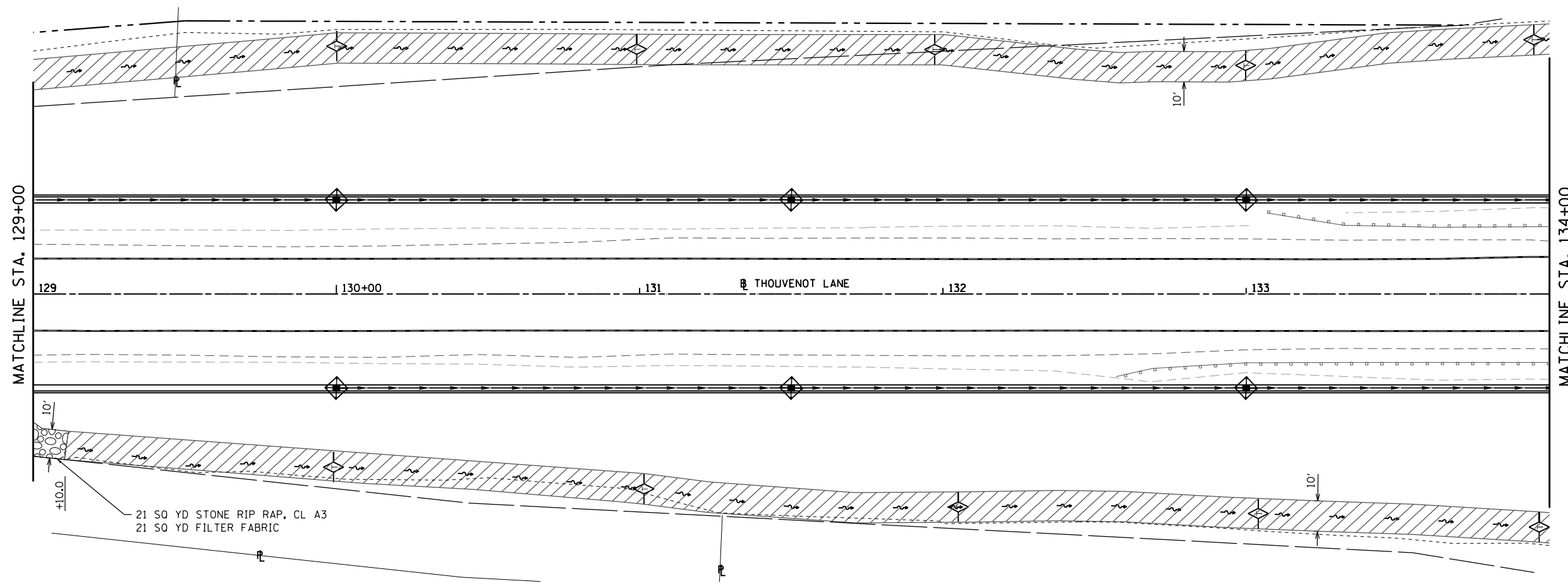
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	71
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



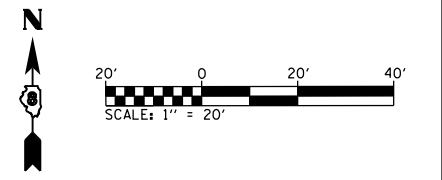


- ### EROSION CONTROL LEGEND
- LIMITS OF CONSTRUCTION
  - ◇ TEMPORARY DITCH CHECK
  - PERIMETER EROSION BARRIER  
SILT FILTER FENCE OR OTHER  
AS APPROVED BY THE ENGINEER
  - ◇ INLET AND PIPE PROTECTION
  - ▨ EROSION CONTROL BLANKET
  - ⊘ STONE RIPRAP
  - ▨ TURF REINFORCEMENT MAT

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.



DITCH CHECK SPACING		
% SLOPE	HT. AT CENTER OF OVERFLOW PT. DITCH CHECK	SPACING OF DITCH CHECK IN FEET
8%	1.0 FT.	13
	1.5 FT.	20
	2.0 FT.	26
7%	1.0 FT.	14
	1.5 FT.	21
	2.0 FT.	28
6%	1.0 FT.	17
	1.5 FT.	26
	2.0 FT.	34
5%	1.0 FT.	20
	1.5 FT.	30
	2.0 FT.	40
4%	1.0 FT.	25
	1.5 FT.	38
	2.0 FT.	50
3%	1.0 FT.	33
	1.5 FT.	50
	2.0 FT.	66
2%	1.0 FT.	50
	1.5 FT.	75
	2.0 FT.	100
1% & BELOW	1.0 FT.	100
	1.5 FT.	150
	2.0 FT.	200



MODEL: Sheet 7  
FILE NAME: I:\RAL17032 - ES&E WIDENING PHASE 2\CADD\micrconstab\cadd Drawings\17032-eh-erosion.dgn



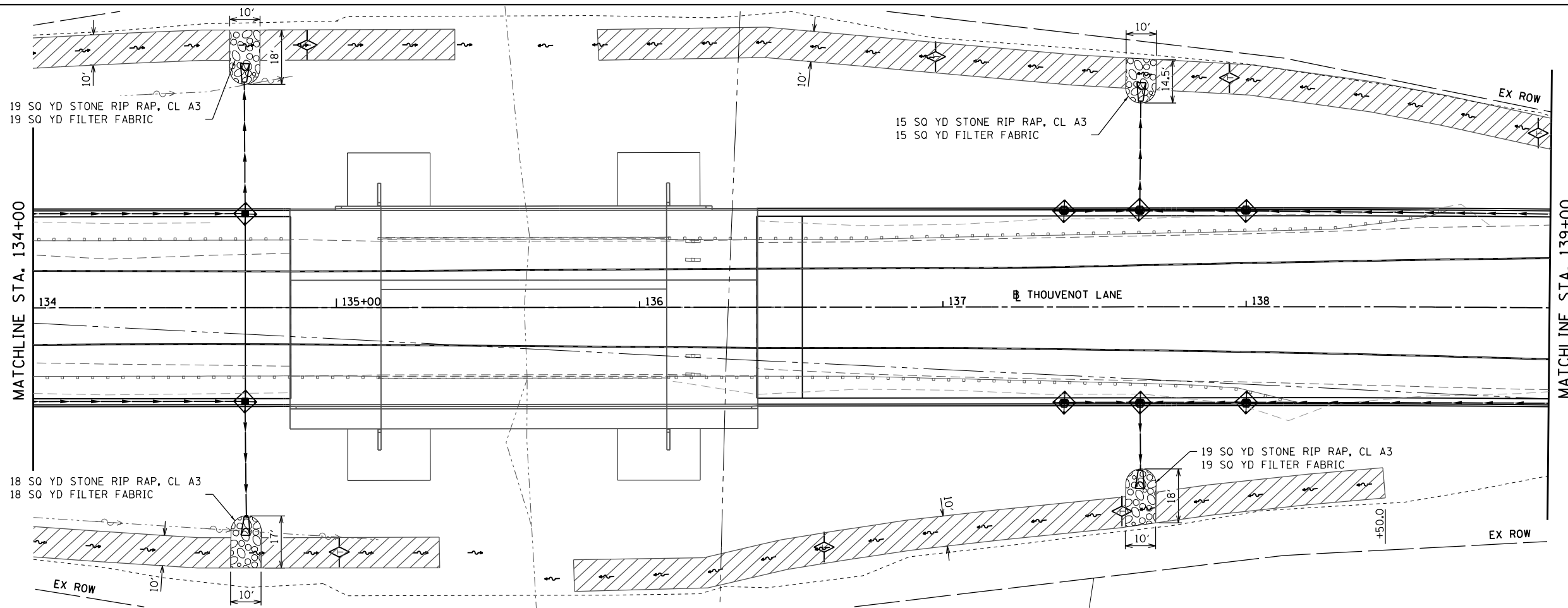
USER NAME = scott.feltd	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



**EROSION CONTROL PLANS**

SCALE: 1" = 20'    SHEET 7 OF 9 SHEETS    STA. 124+00 TO STA. 134+00

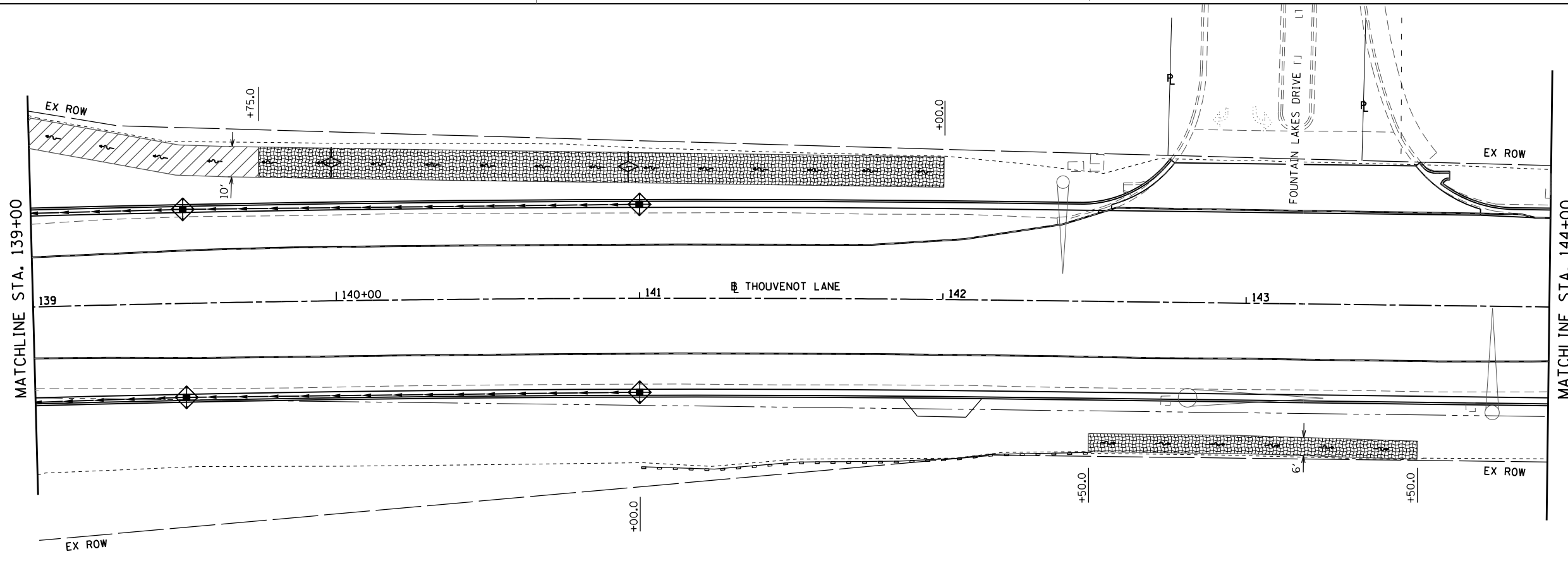
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	72
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



### EROSION CONTROL LEGEND

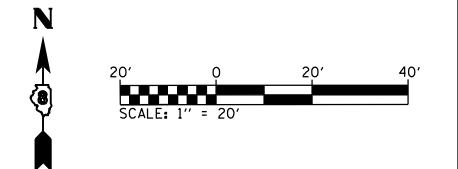
- LIMITS OF CONSTRUCTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER  
SILT FILTER FENCE OR OTHER  
AS APPROVED BY THE ENGINEER
- INLET AND PIPE PROTECTION
- EROSION CONTROL BLANKET
- STONE RIPRAP
- TURF REINFORCEMENT MAT

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.



### DITCH CHECK SPACING

% SLOPE	HT. AT CENTER OVERFLOW PT. DITCH CHECK	SPACING OF DITCH CHECK IN FEET
8%	1.0 FT.	13
	1.5 FT.	20
	2.0 FT.	26
7%	1.0 FT.	14
	1.5 FT.	21
	2.0 FT.	28
6%	1.0 FT.	17
	1.5 FT.	26
	2.0 FT.	34
5%	1.0 FT.	20
	1.5 FT.	30
	2.0 FT.	40
4%	1.0 FT.	25
	1.5 FT.	38
	2.0 FT.	50
3%	1.0 FT.	33
	1.5 FT.	50
	2.0 FT.	66
2%	1.0 FT.	50
	1.5 FT.	75
	2.0 FT.	100
1% & BELOW	1.0 FT.	100
	1.5 FT.	150
	2.0 FT.	200



MODEL: Sheet 8  
FILE NAME: I:\R17032 - ESPE WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\17032-ESC-erosion.dgn



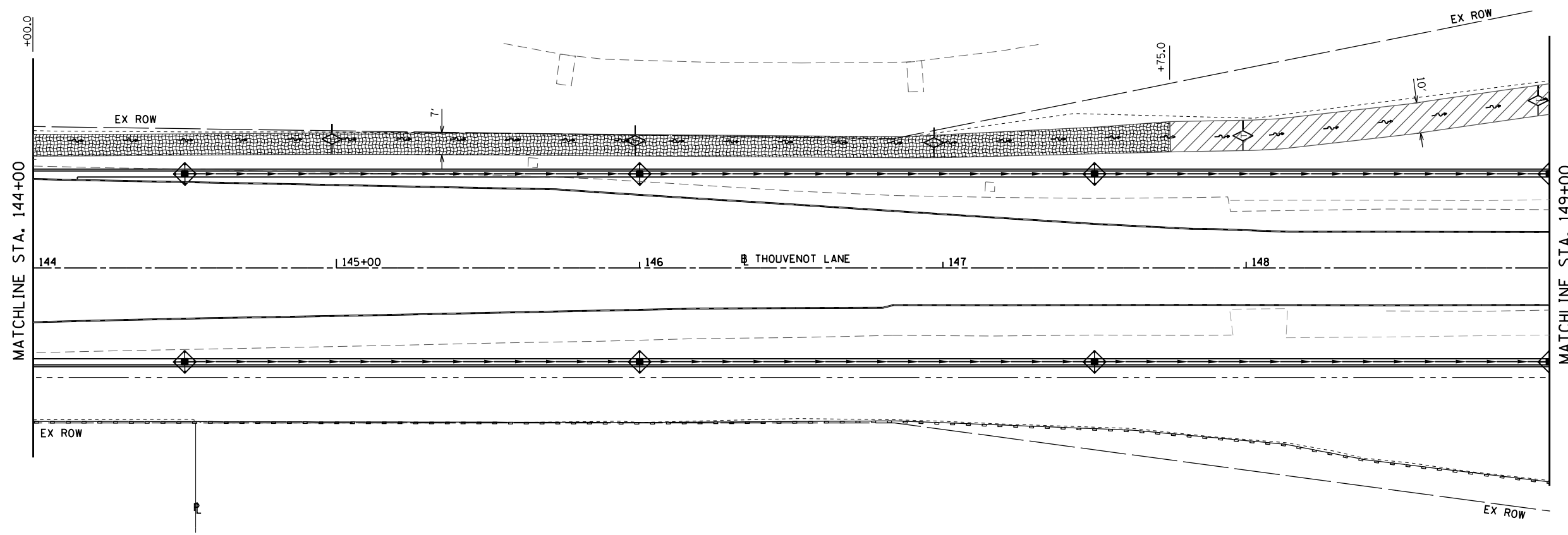
USER NAME = scott.feltd  
 PLOT SCALE = 40.0000 ' / in.  
 PLOT DATE = 10/18/2021

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -



**EROSION CONTROL PLANS**  
 SCALE: 1" = 20'    SHEET 8 OF 9 SHEETS    STA. 134+00 TO STA. 144+00

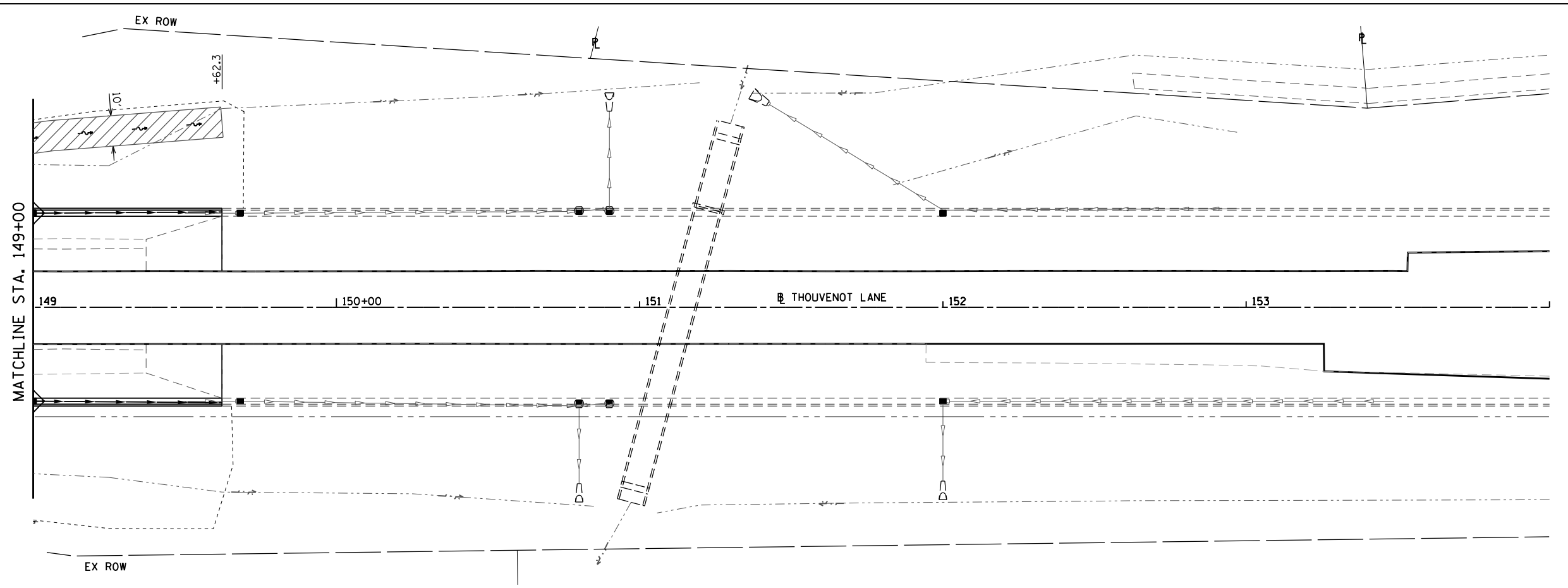
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	73
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



### EROSION CONTROL LEGEND

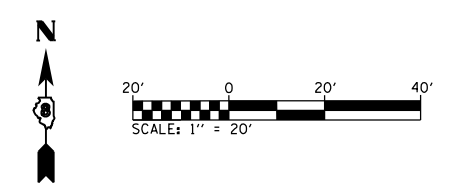
- LIMITS OF CONSTRUCTION
- ◇ TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER  
SILT FILTER FENCE OR OTHER  
AS APPROVED BY THE ENGINEER
- ◇ INLET AND PIPE PROTECTION
- ▨ EROSION CONTROL BLANKET
- ▩ STONE RIPRAP
- ▧ TURF REINFORCEMENT MAT

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.



### DITCH CHECK SPACING

% SLOPE	HT. AT CENTER OVERFLOW PT. DITCH CHECK	SPACING OF DITCH CHECK IN FEET
8%	1.0 FT.	13
	1.5 FT.	20
	2.0 FT.	26
7%	1.0 FT.	14
	1.5 FT.	21
	2.0 FT.	28
6%	1.0 FT.	17
	1.5 FT.	26
	2.0 FT.	34
5%	1.0 FT.	20
	1.5 FT.	30
	2.0 FT.	40
4%	1.0 FT.	25
	1.5 FT.	38
	2.0 FT.	50
3%	1.0 FT.	33
	1.5 FT.	50
	2.0 FT.	66
2%	1.0 FT.	50
	1.5 FT.	75
	2.0 FT.	100
1% & BELOW	1.0 FT.	100
	1.5 FT.	150
	2.0 FT.	200



MODEL: Sheet 9  
FILE NAME: I:\R17032 - FSR WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\17032-9-erosion.dgn



USER NAME = scott.feltd	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



**EROSION CONTROL PLANS**

SCALE: 1" = 20'    SHEET 9 OF 9 SHEETS    STA. 144+00 TO STA. 154+00

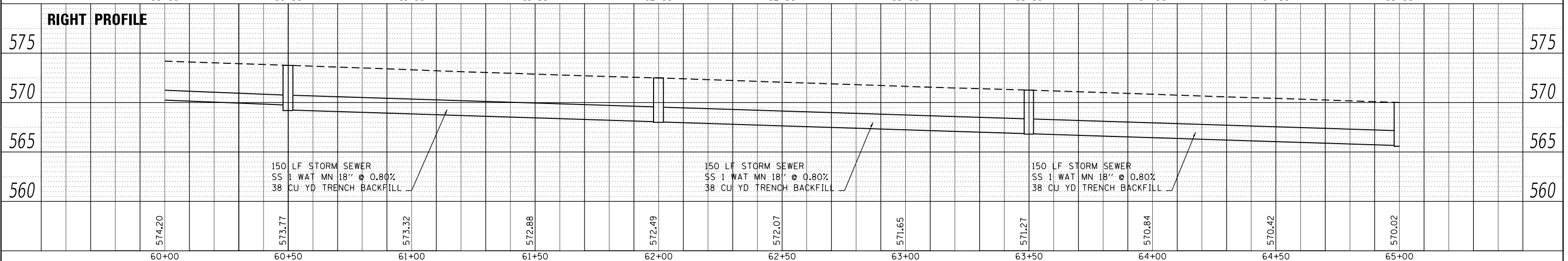
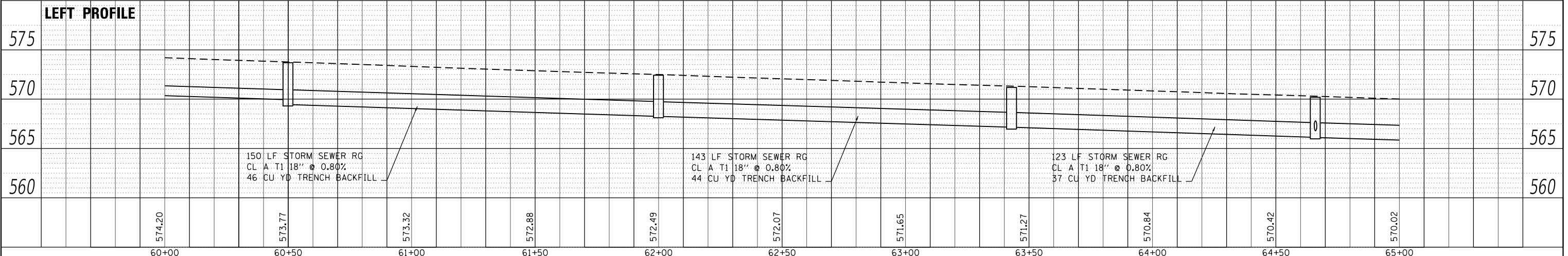
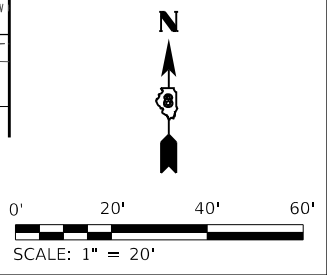
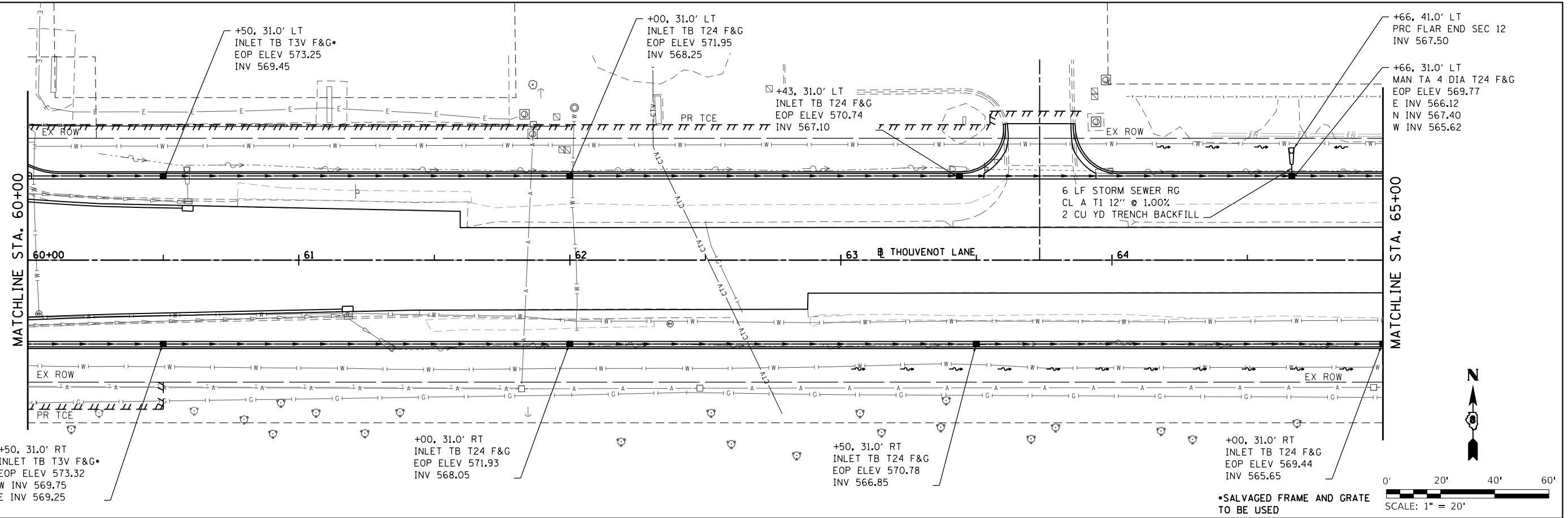
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	74
CONTRACT NO. 97752			ILLINOIS FED. AID PROJECT	



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

MODEL: 02  
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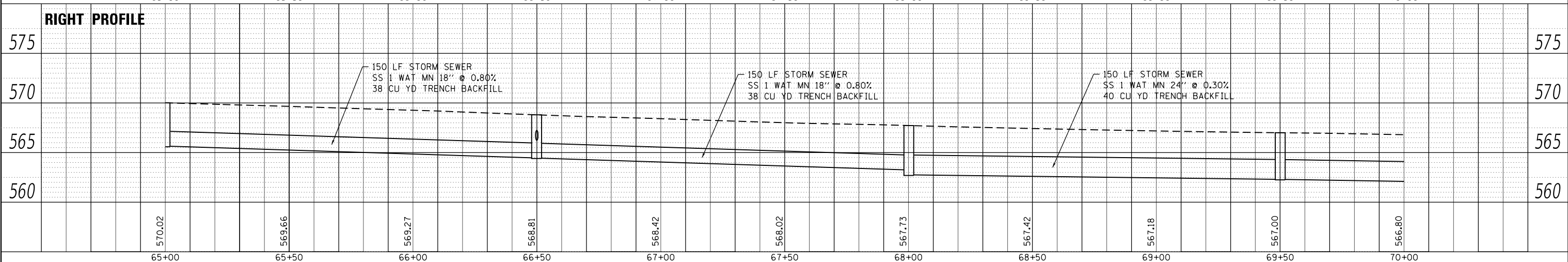
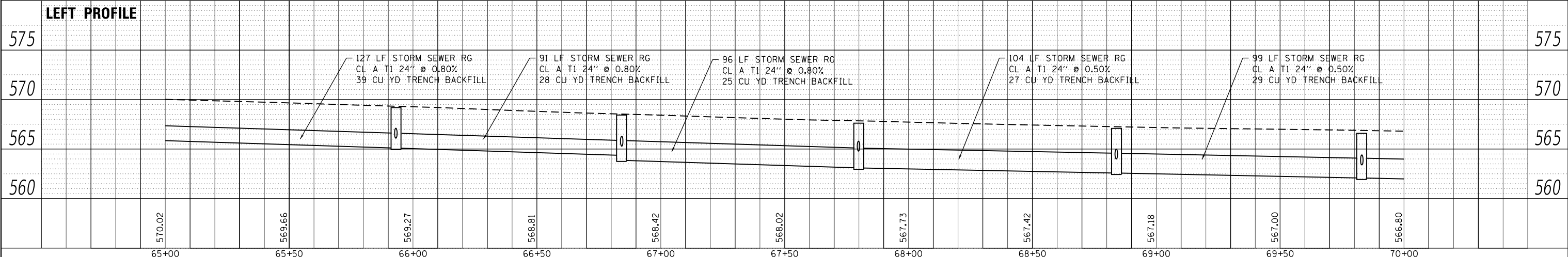
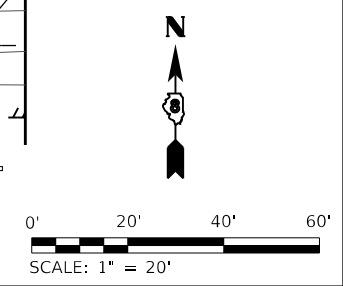
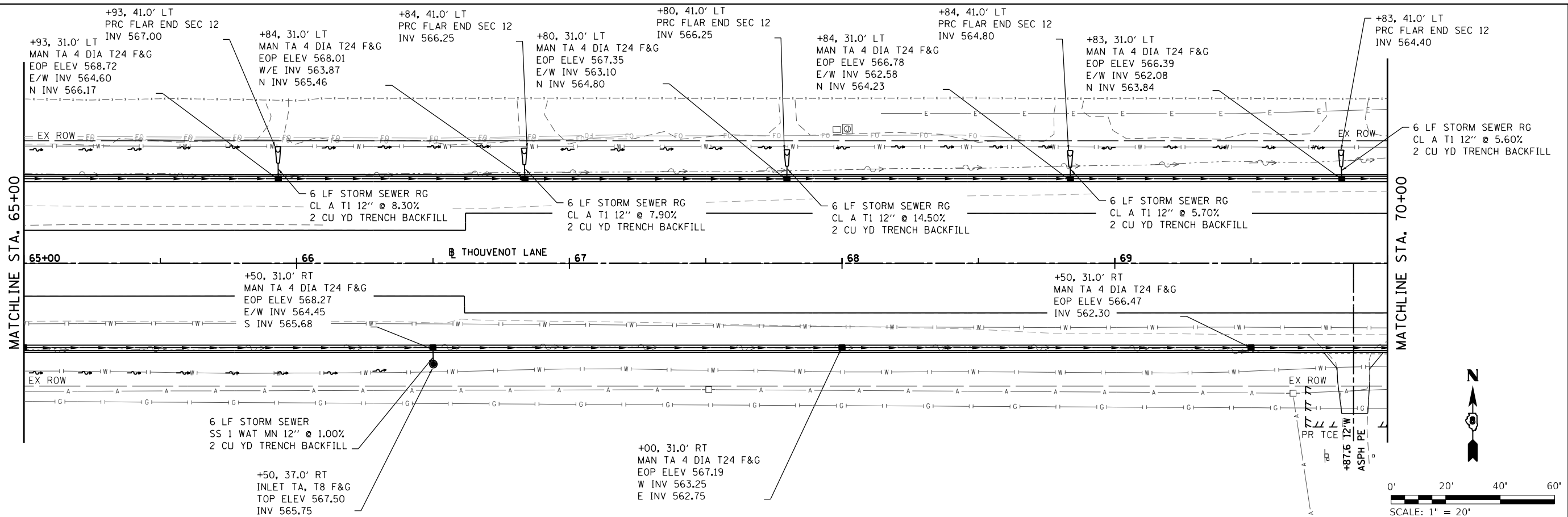


<p>ILLINOIS DESIGN FIRM LICENSE NO.: 184,001115</p>	USER NAME = scott.feltd	DESIGNED -	REVISED -	<p>ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES</p>	DRAINAGE PLAN & PROFILE SHEETS			F.A.U. RTE. 9330	SECTION 13-00301-15-PW	COUNTY ST. CLAIR	TOTAL SHEETS 251	SHEET NO. 76
	PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET 2	OF 19 SHEETS	STA. 60+00	TO STA. 65+00	CONTRACT NO. 97752		
	PLOT DATE = 10/18/2021	CHECKED -	REVISED -					ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	STRUCTURE NOTATION CHECKED	
NO.		

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
NO.		

MODEL: 03  
FILE NAME: H:\17035 - F&E WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\17035-sht-drain.dwg

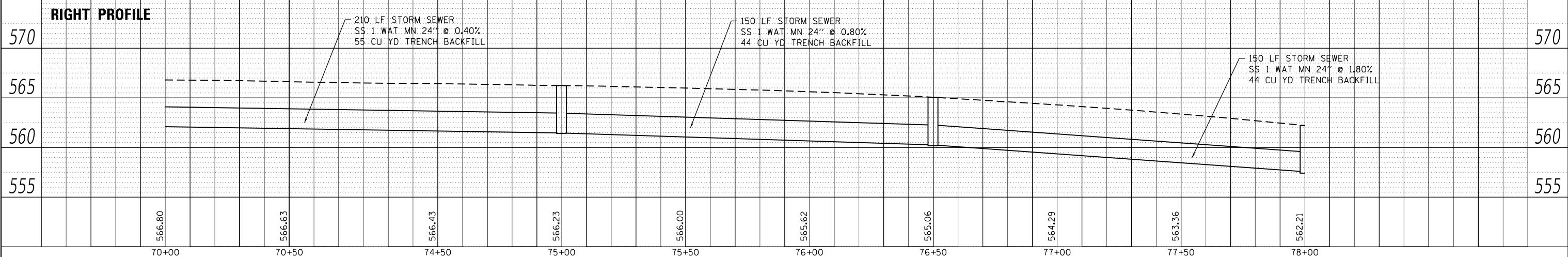
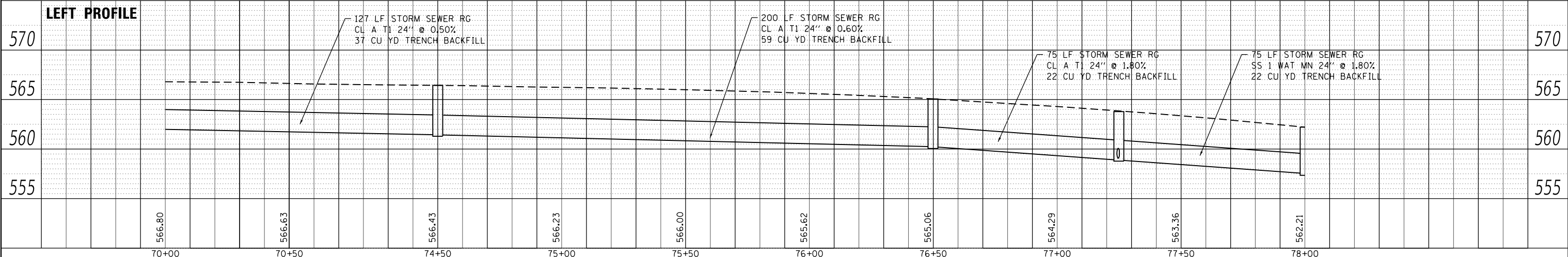
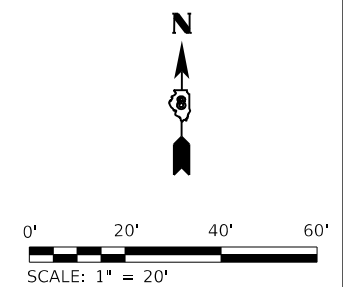
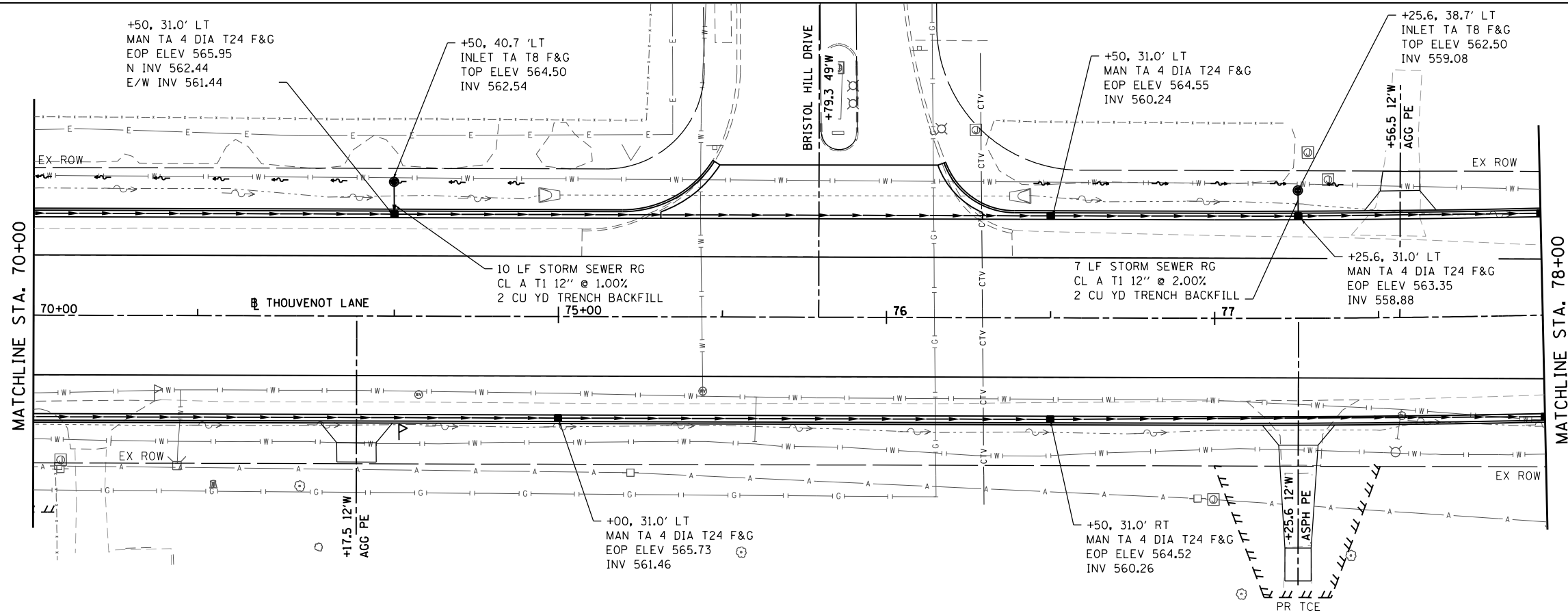


 ILLINOIS DESIGN FIRM LICENSE NO.: 184,001115	USER NAME = scott.felot DESIGNED - CHECKED - PLOT SCALE = 40,0000' / in. DRAWN - CHECKED - 20 PLOT DATE = 10/18/2021	DESIGNED - CHECKED - DRAWN - CHECKED - 20	REVISED - REVISED - REVISED - REVISED -	 ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES	<b>DRAINAGE PLAN &amp; PROFILE</b>			F.A.U. RTE. 9330 SECTION 13-00301-15-PW COUNTY ST. CLAIR CONTRACT NO. 97752	TOTAL SHEETS 251 SHEET NO. 77
	SCALE: 1" = 20' SHEET 3 OF 19 SHEETS STA. 65+00 TO STA. 70+00	ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	STRUCTURE NOTATION CHECKED	
NOTE BOOK NO.	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
NOTE BOOK NO.	CADD FILE NAME	

MODEL: 04  
FILE NAME: H:\171033 - FSPE WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\171033-sht-drain.dwg



**OATES ASSOCIATES**  
www.oatesassociates.com  
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = scott.feltd	DESIGNED -	REVISD -
	CHECKED -	REVISD -
PLOT SCALE = 40,0000' / in.	DRAWN -	REVISD -
PLOT DATE = 10/18/2021	CHECKED -	REVISD -

**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

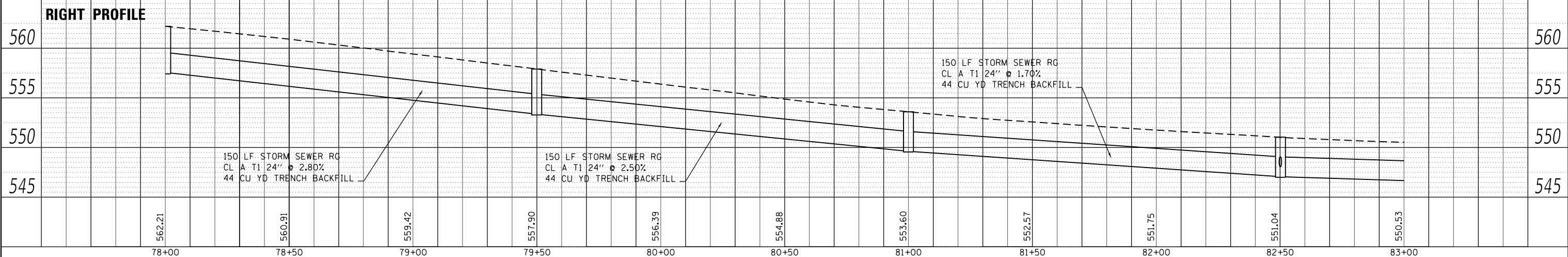
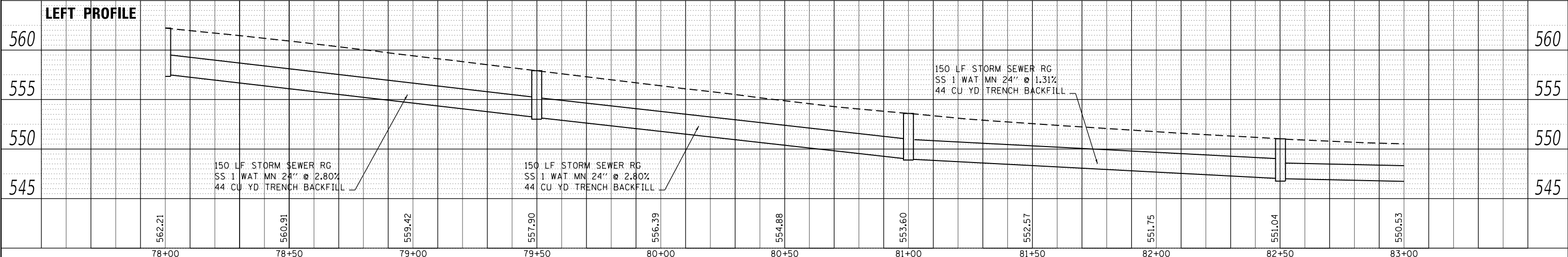
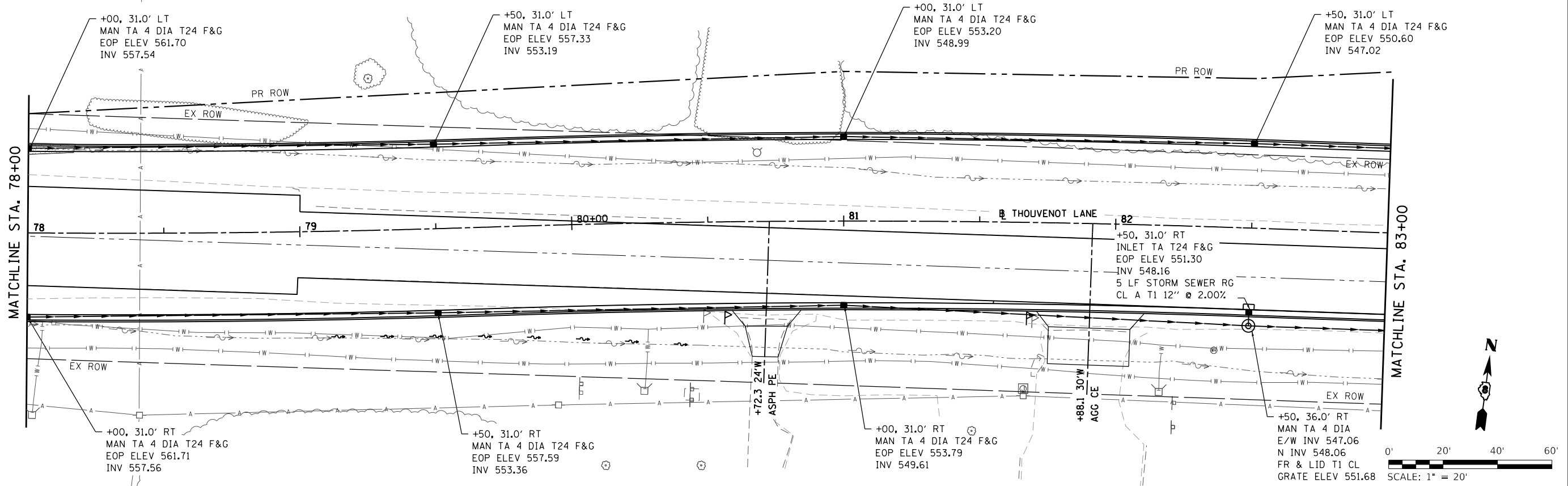
**DRAINAGE PLAN & PROFILE SHEETS**  
SCALE: 1" = 20' SHEET 4 OF 19 SHEETS STA. 70+00 TO STA. 78+00

F.A.U. RTE. 9330	SECTION 13-00301-15-PW	COUNTY ST. CLAIR	TOTAL SHEETS 251	SHEET NO. 78
CONTRACT NO. 97752			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATION	
	NO.	

MODEL: 05  
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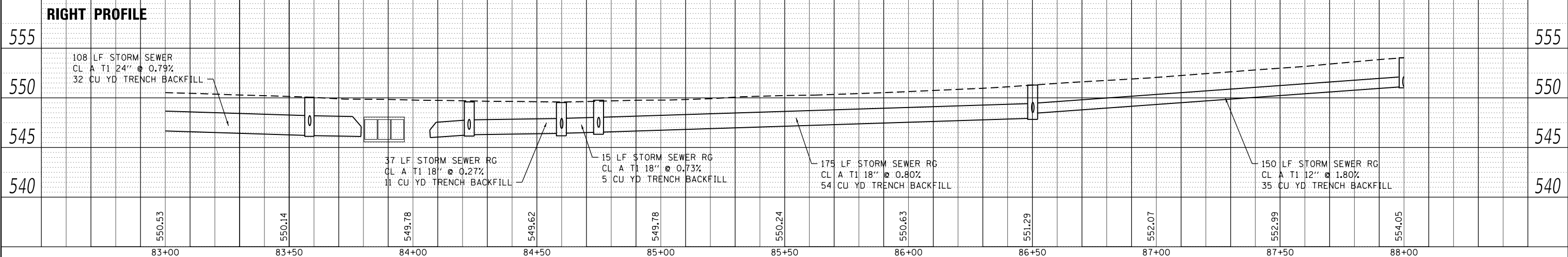
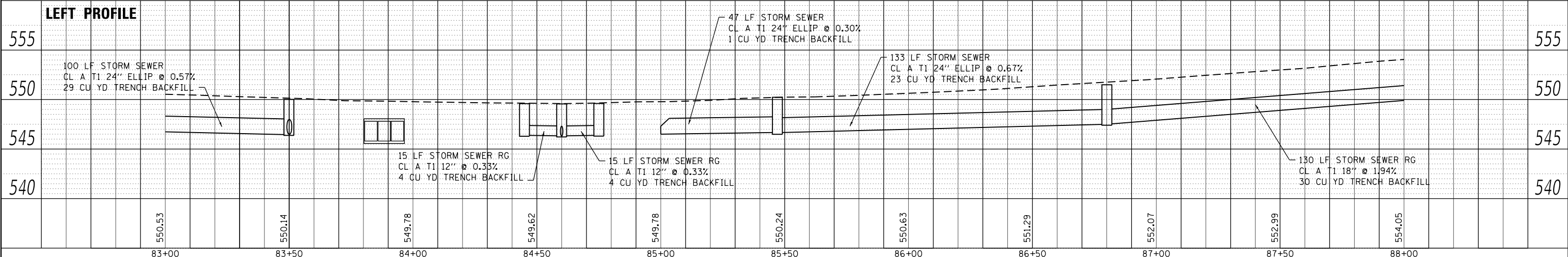
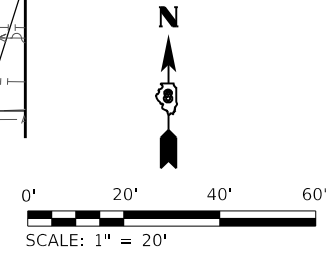
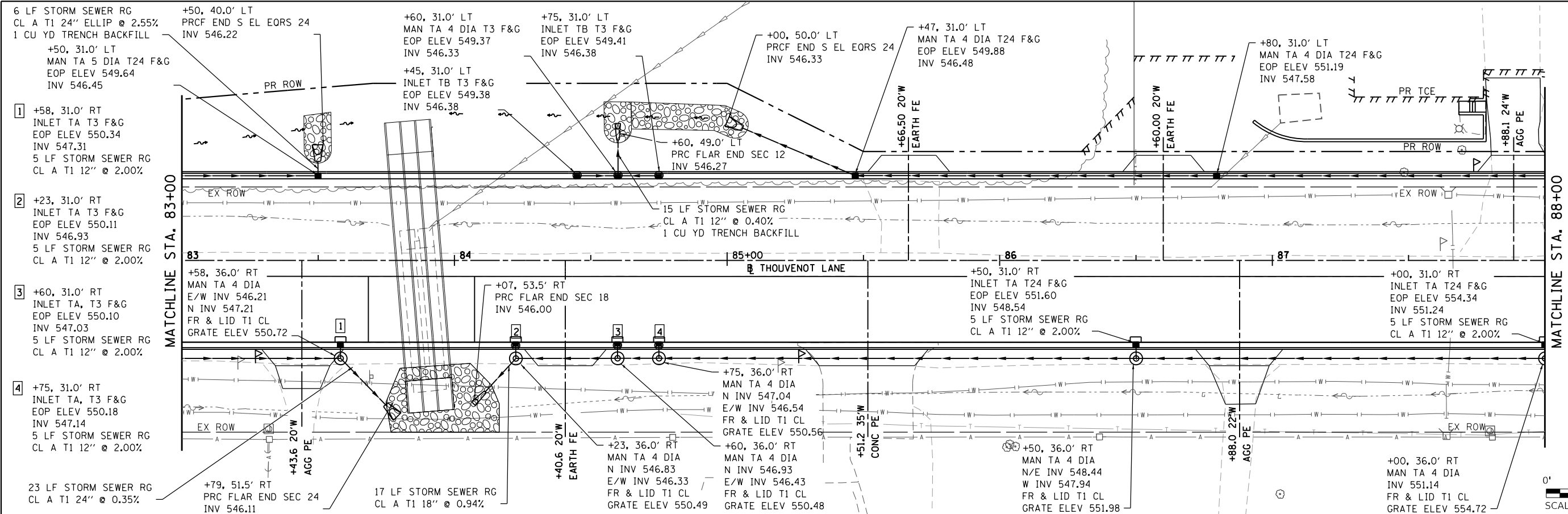


 <b>OATES ASSOCIATES</b> ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = scott.felot DESIGNED - CHECKED - PLOT SCALE = 40,0000' / in. DRAWN - CHECKED - PLOT DATE = 10/18/2021	DESIGNED - CHECKED - DRAWN - CHECKED - REVISED - REVISED - REVISED - REVISED -	 <b>ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES</b>	<b>DRAINAGE PLAN &amp; PROFILE SHEETS</b> SCALE: 1" = 20' SHEET 5 OF 19 SHEETS STA. 78+00 TO STA. 83+00	F.A.U. RTE. 9330 SECTION 13-00301-15-PW COUNTY ST. CLAIR TOTAL SHEETS 251 SHEET NO. 79 CONTRACT NO. 97752 ILLINOIS FED. AID PROJECT
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PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	GRADES	NO.
	STRUCTURE	NOTATION
	CONSTRUCTION	NO.

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	GRADES	NO.
	STRUCTURE	NOTATION
	CONSTRUCTION	NO.



USER NAME = scott.felot	DESIGNED -	REVISD -
	CHECKED -	REVISD -
PLOT SCALE = 40,0000' / in.	DRAWN -	REVISD -
PLOT DATE = 10/18/2021	CHECKED -	REVISD -



**ST. CLAIR COUNTY DEPARTMENT  
OF ROADS AND BRIDGES**

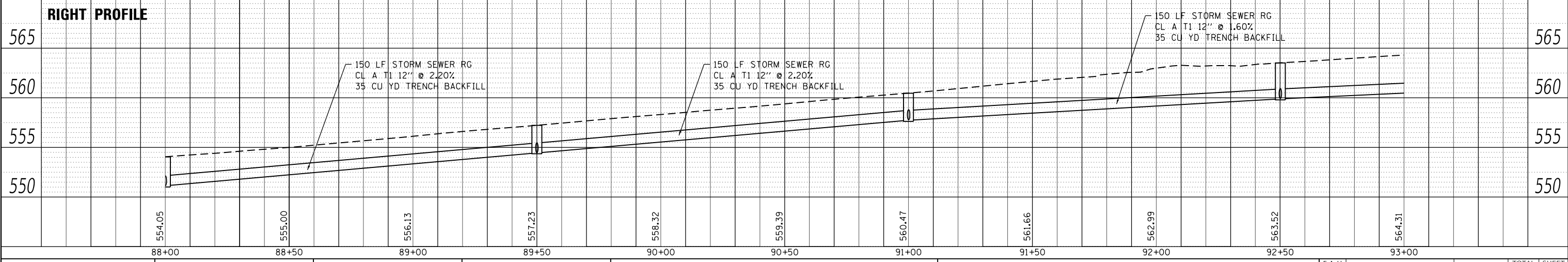
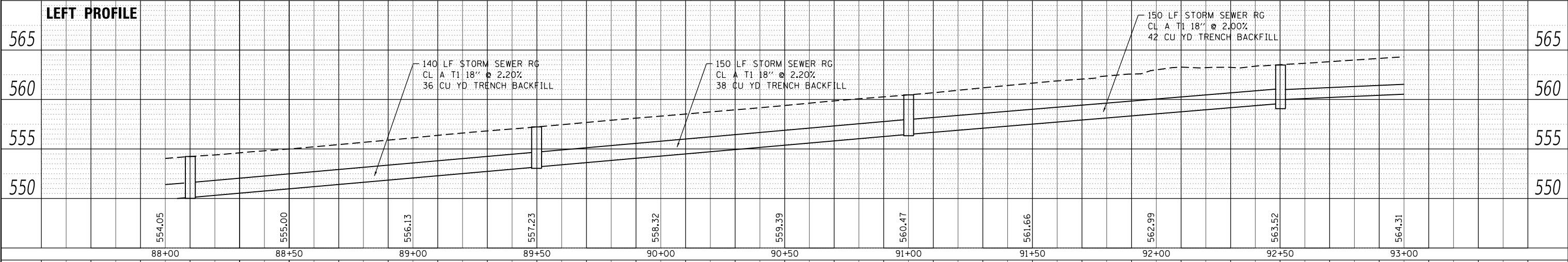
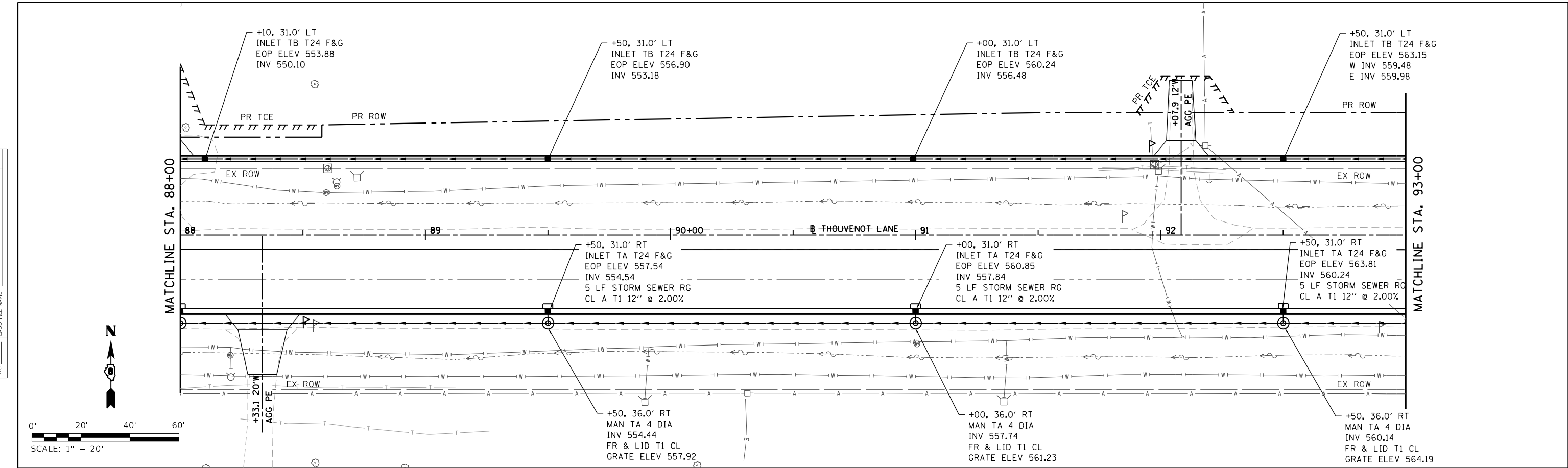
**DRAINAGE PLAN & PROFILE SHEETS**

SCALE: 1" = 20' SHEET 6 OF 19 SHEETS STA. 83+00 TO STA. 88+00

F.A.U. RTE. 9330	SECTION 13-00301-15-PW	COUNTY ST. CLAIR	TOTAL SHEETS 251	SHEET NO. 80
CONTRACT NO. 97752			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

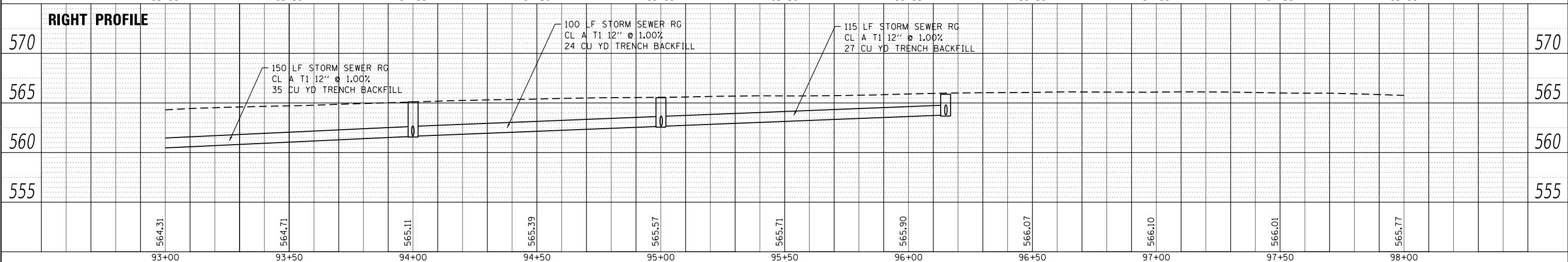
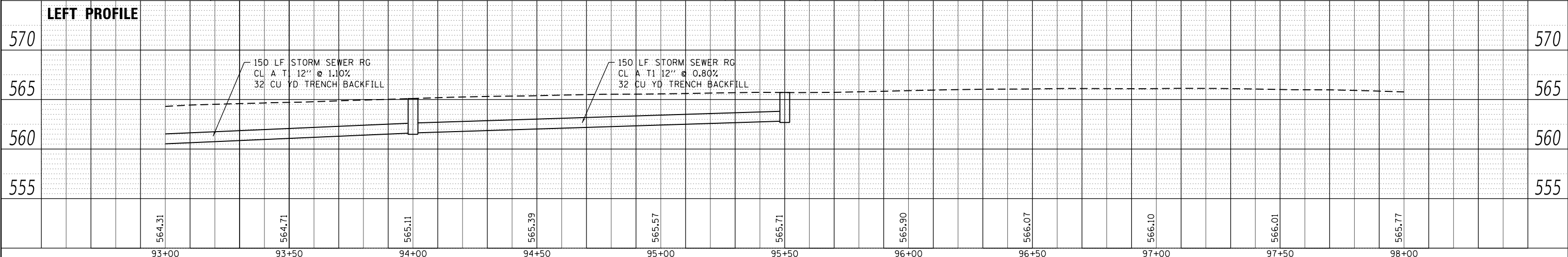
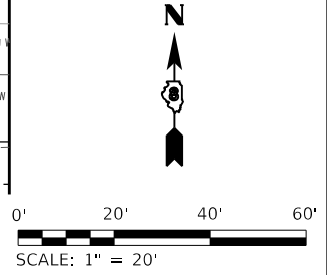
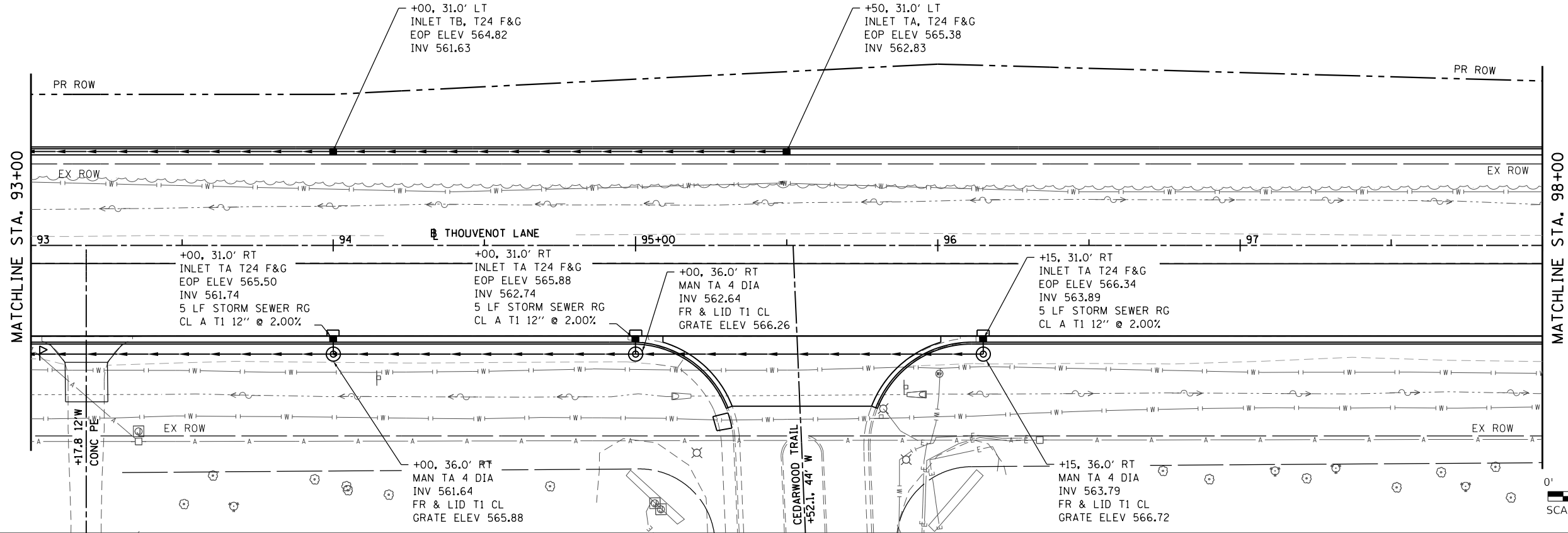
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATION	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATION	
	NO.	

MODEL: 08  
FILE NAME: H:\171032 - FSPE WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\171032-sht-drain.dgn

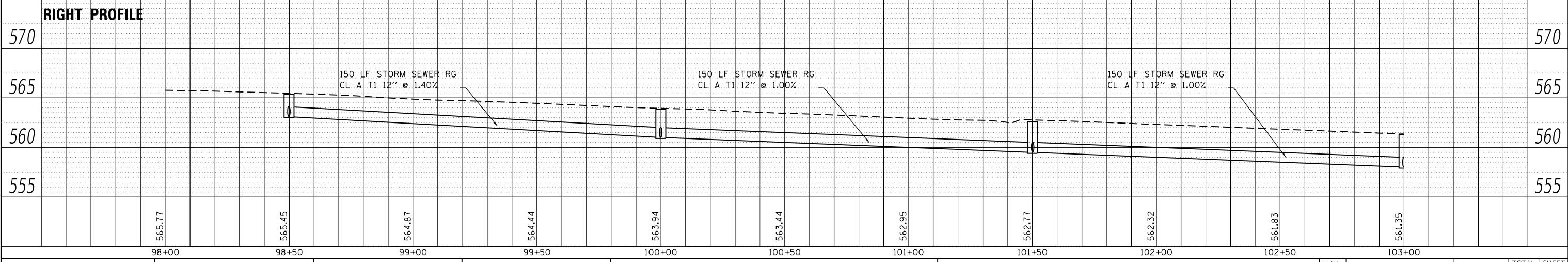
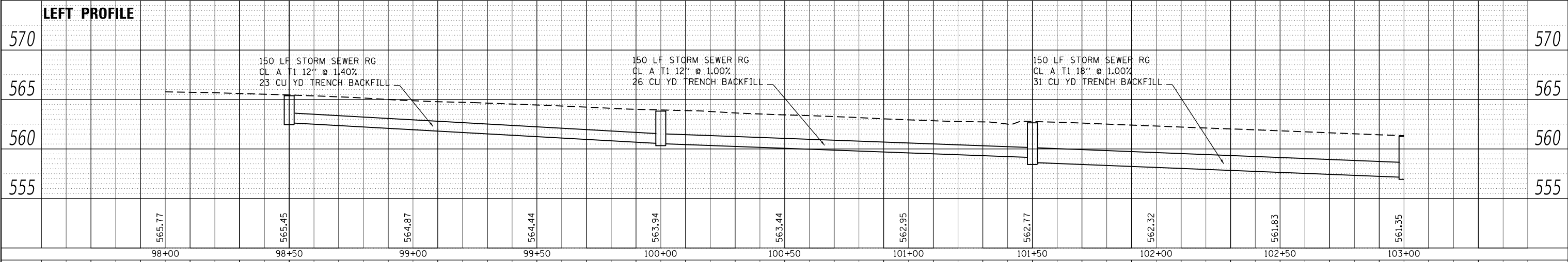
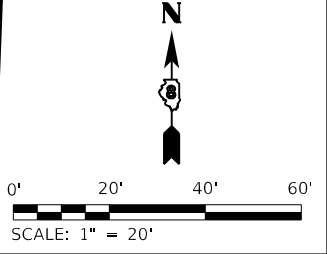
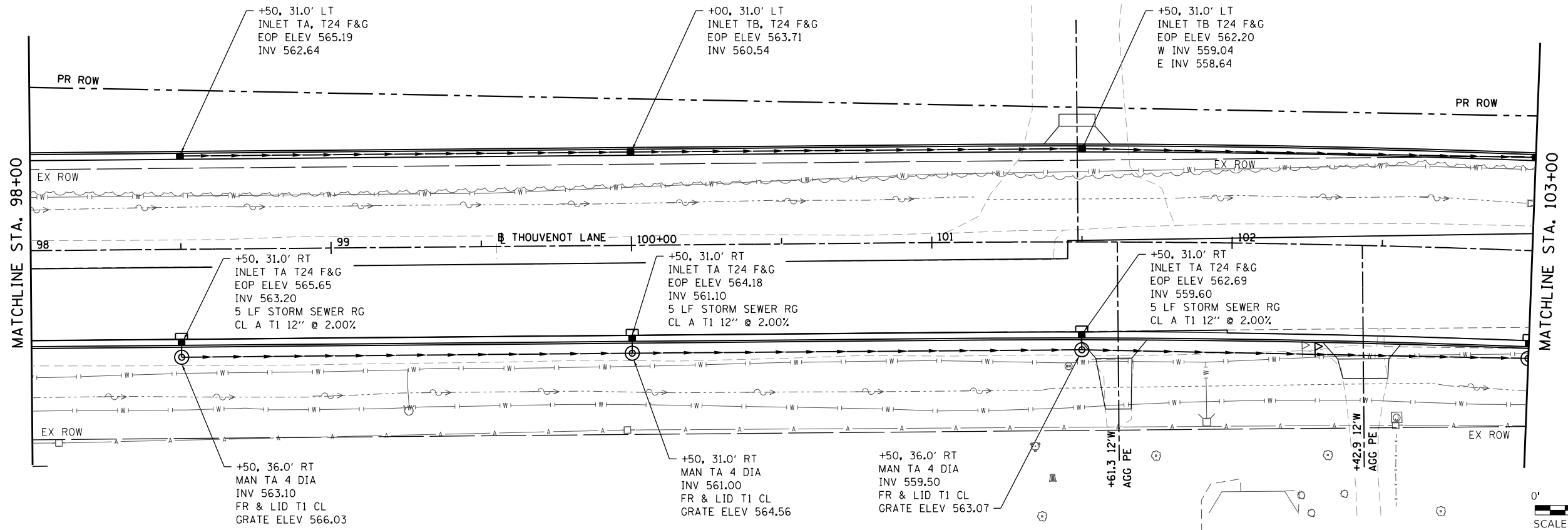


 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = scott.felot	DESIGNED -	REVISED -	 <b>ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES</b>	<b>DRAINAGE PLAN &amp; PROFILE SHEETS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -					9330	13-00301-15-PW	ST. CLAIR	251	82
	PLOT DATE = 10/18/2021	CHECKED -	REVISED -					CONTRACT NO. 97752				
								ILLINOIS	FED. AID PROJECT			

SCALE: 1" = 20' SHEET 8 OF 19 SHEETS STA. 93+00 TO STA. 98+00

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATION	
	FILE NAME	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATION	
	FILE NAME	
	CADD FILE NAME	



MODEL: 09  
FILE NAME: H:\17035 - FSPE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17035-sht-drain.dgn



USER NAME = scott.feldt	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -

**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

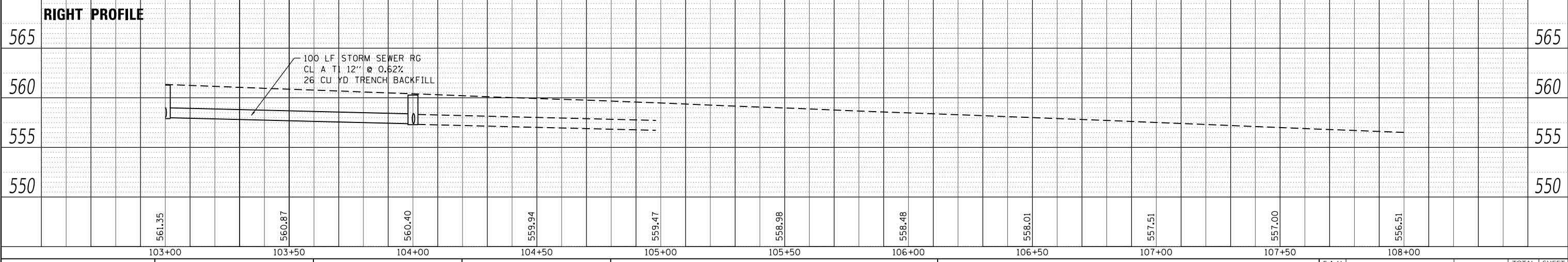
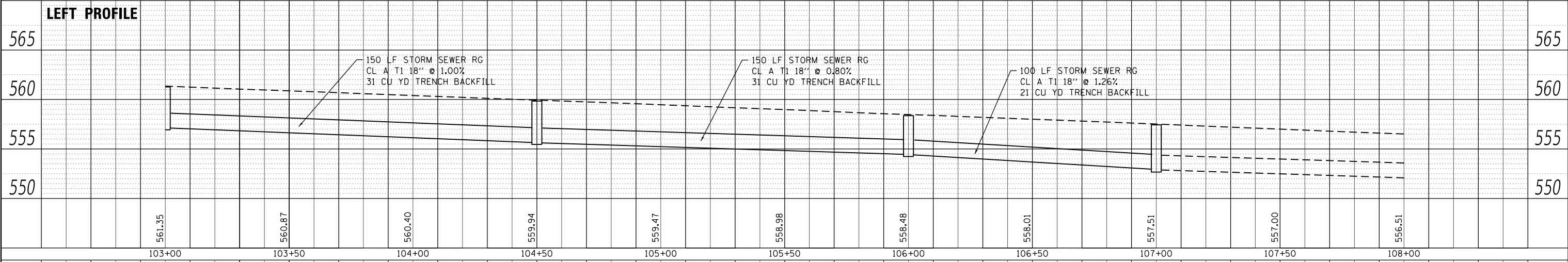
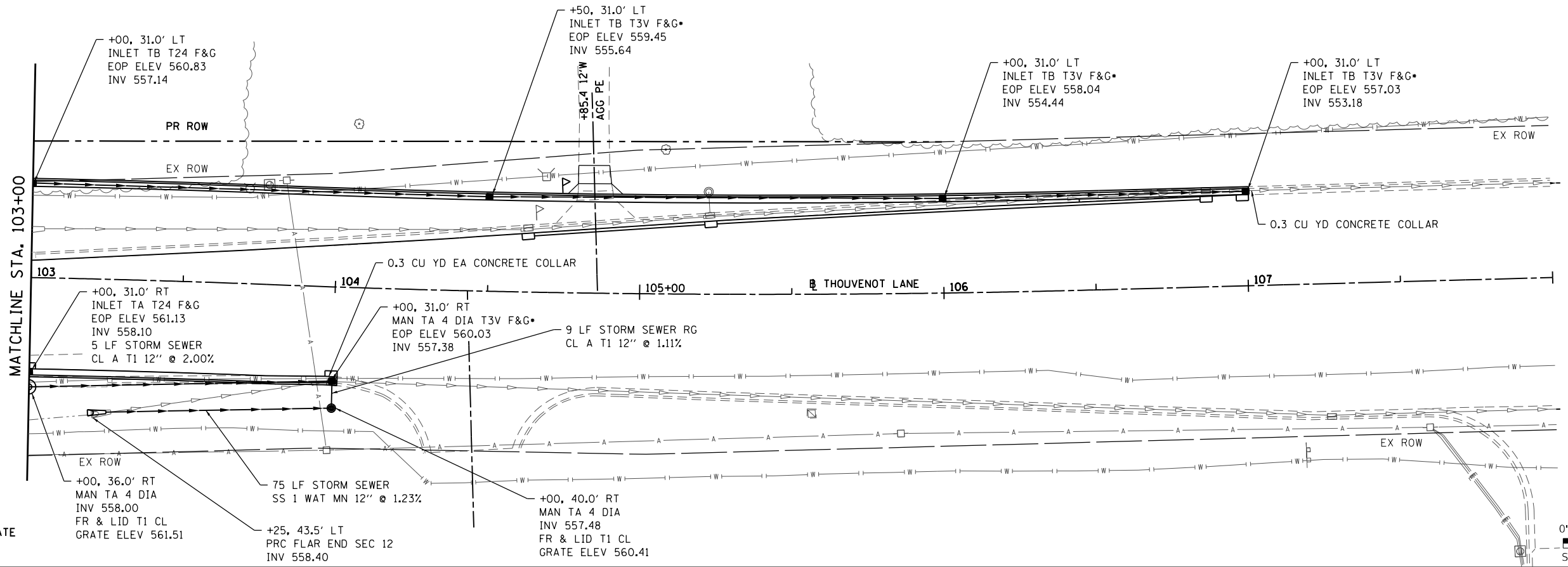
**DRAINAGE PLAN & PROFILE SHEETS**  
SCALE: 1" = 20' SHEET 9 OF 19 SHEETS STA. 98+00 TO STA. 103+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	83
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

MODEL: 10  
FILE NAME: H:\171033 - F&E WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\171033-sht-drain.dwg



ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = scott.feldt	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -

**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**DRAINAGE PLAN & PROFILE SHEETS**  
SCALE: 1" = 20' SHEET 10 OF 19 SHEETS STA. 103+00 TO STA. 108+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAR	251	84
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

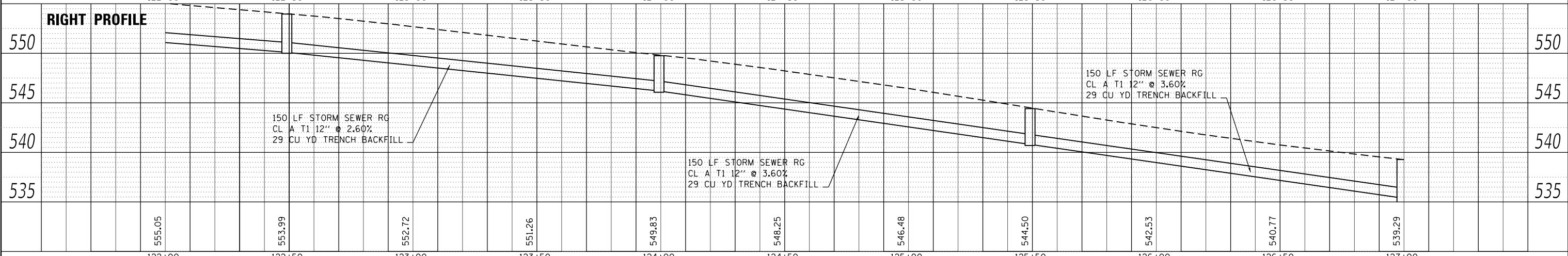
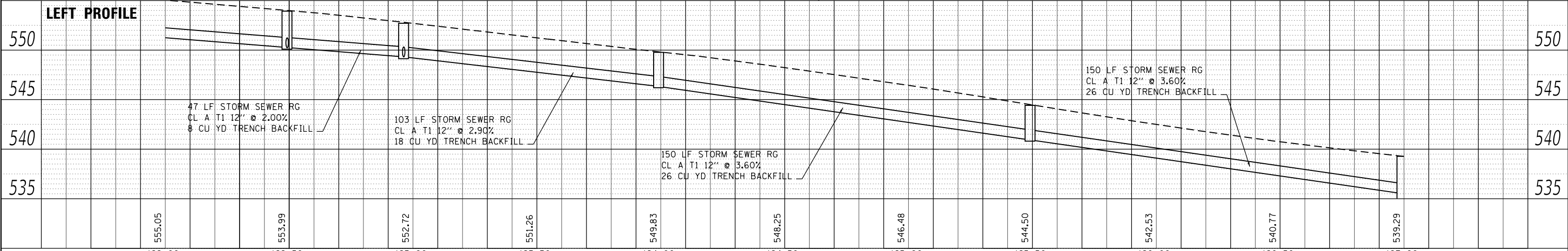
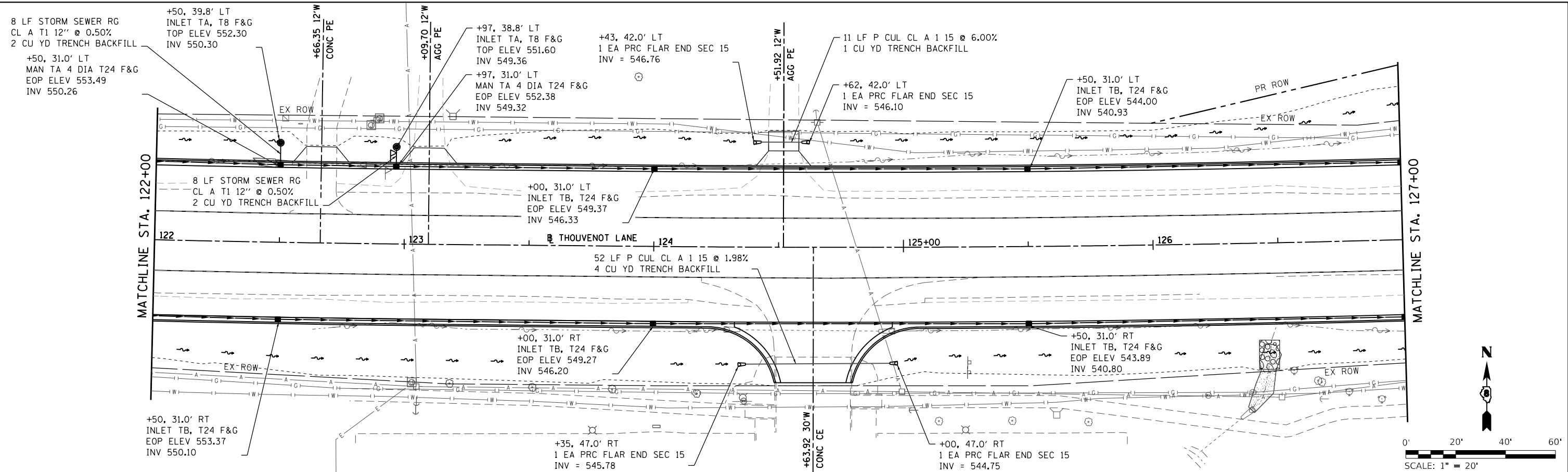




PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	FILE NAME	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	FILE NAME	
	CADD FILE NAME	

MODEL 13  
FILE NAME: H:\17035 - FSPE WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\17035-sht-drain.dwg



**OATES ASSOCIATES**  
www.oatesassociates.com  
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = scott.feltd	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -

**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**DRAINAGE PLAN & PROFILE SHEETS**  
SCALE: 1" = 20' SHEET 13 OF 19 SHEETS STA. 122+00 TO STA. 127+00

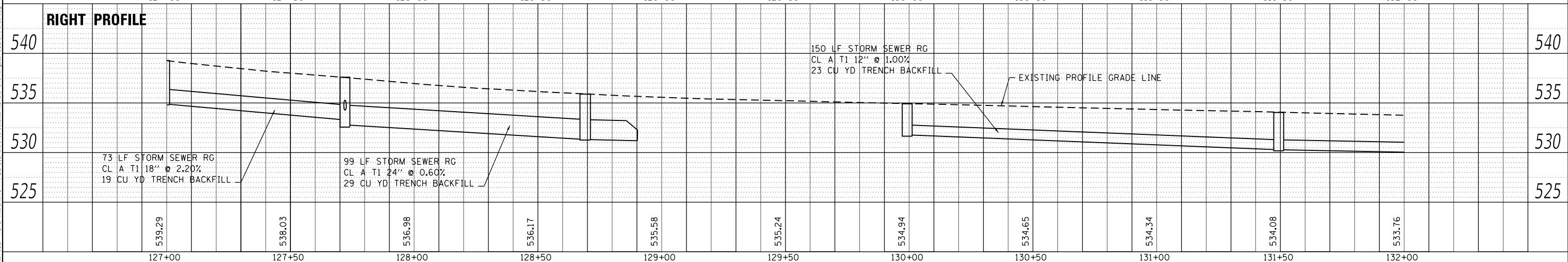
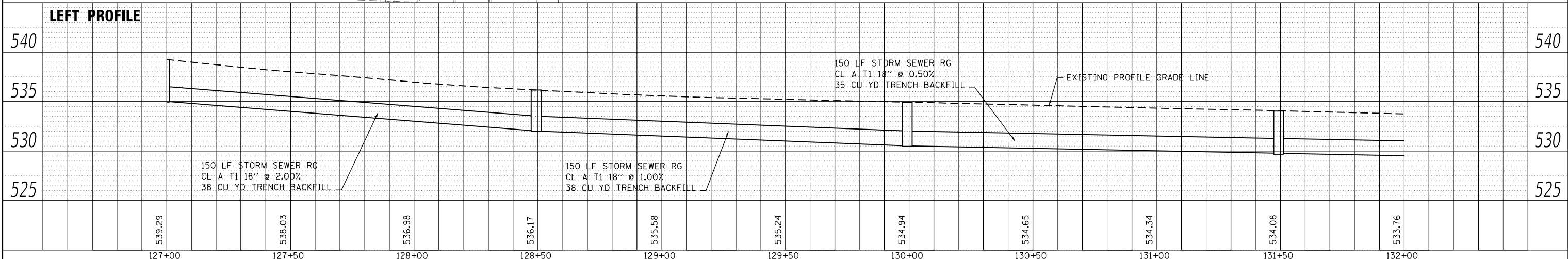
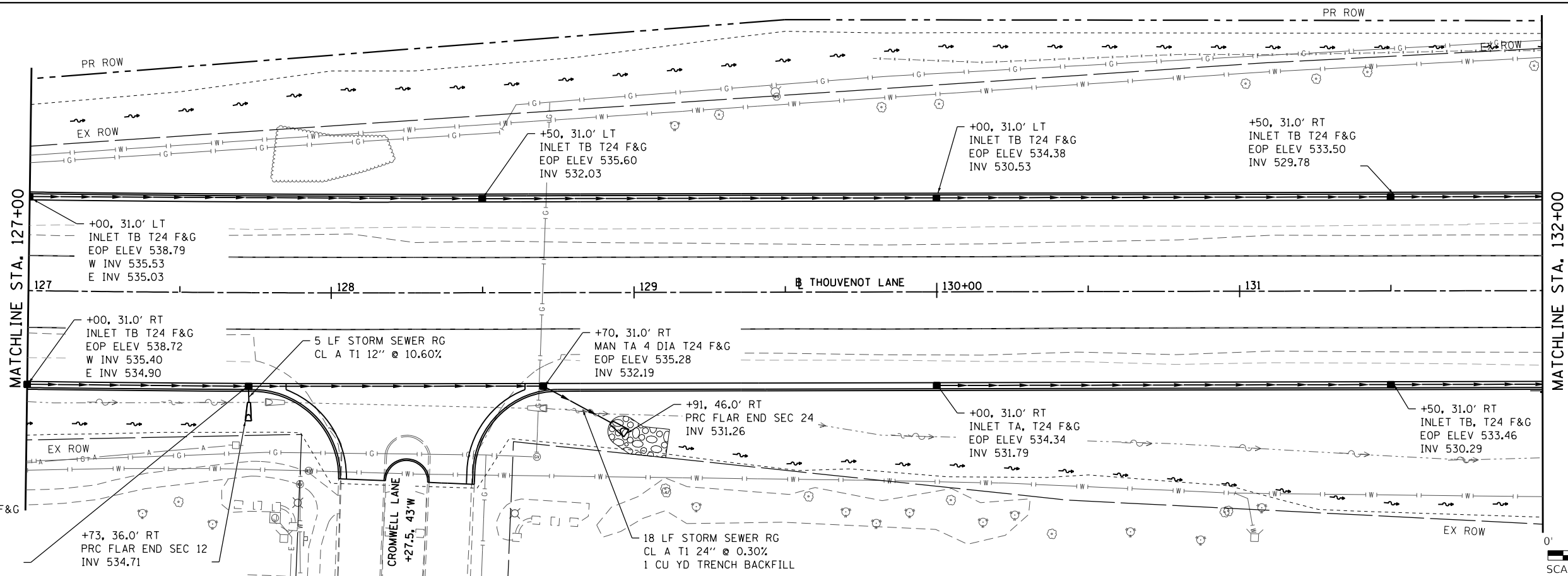
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	87
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

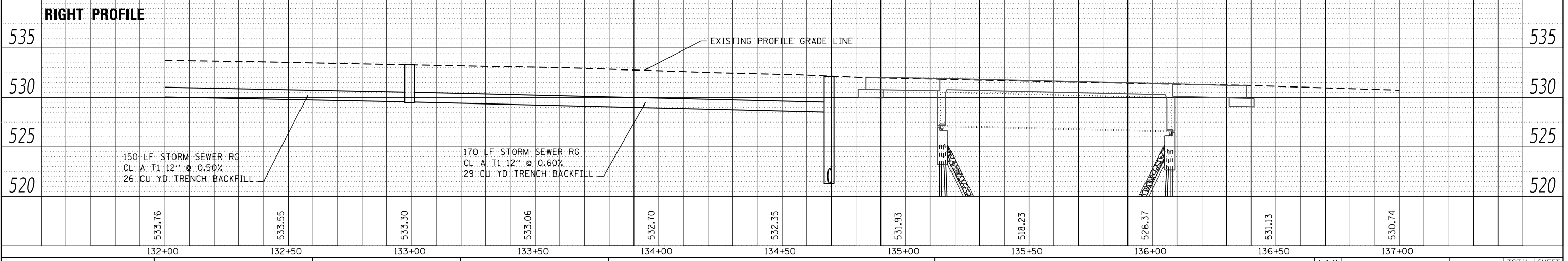
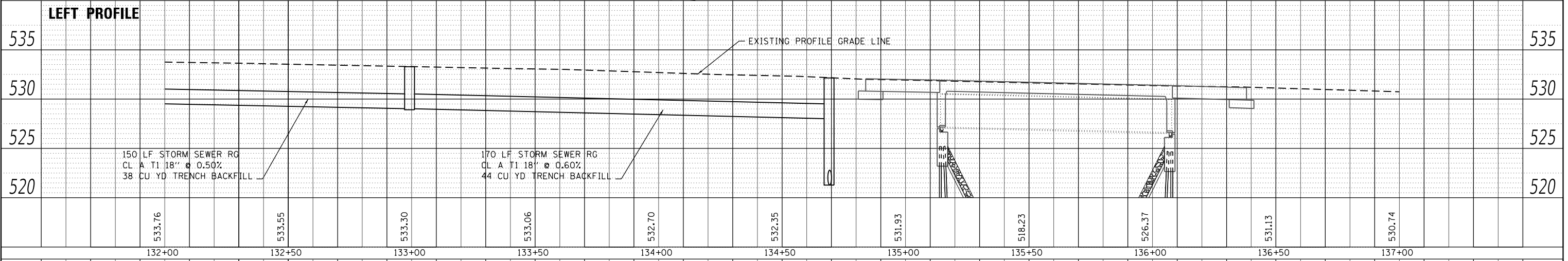
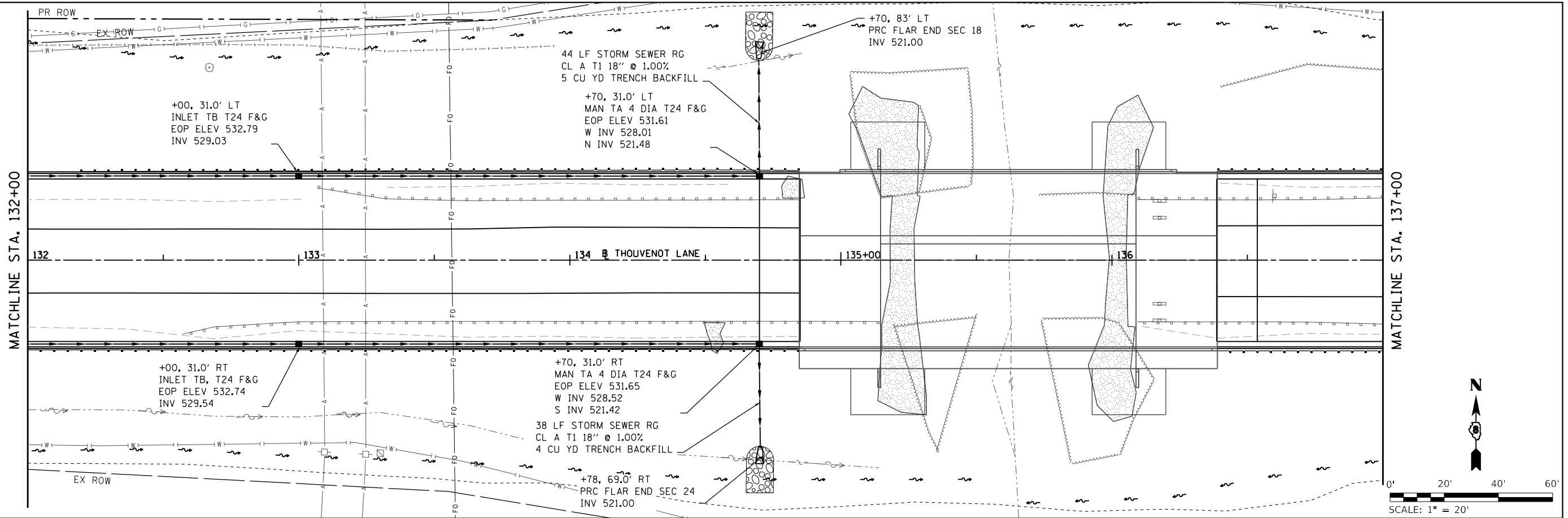
MODEL 14  
FILE NAME: H:\17035 - F&E WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\17035-sht-drain.dwg



 OATES ASSOCIATES www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = scott.felst DESIGNED - CHECKED - PLOT SCALE = 40.0000' / in. DRAWN - CHECKED - PLOT DATE = 10/18/2021	REVISED - REVISED - REVISED - REVISED -	 <b>ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES</b>	<b>DRAINAGE PLAN &amp; PROFILE SHEETS</b> SCALE: 1" = 20'    SHEET 14 OF 19 SHEETS    STA. 127+00 TO STA. 132+00		F.A.U. RTE. 9330 SECTION 13-00301-15-PW COUNTY ST. CLAIR TOTAL SHEETS 251 SHEET NO. 88 CONTRACT NO. 97752	ILLINOIS FED. AID PROJECT
	ILLINOIS FED. AID PROJECT						

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	BY	
	NO.	



MODEL: 15  
 FILE NAME: H:\171032 - F&P WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\171032-sht-drain.dgn  
**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = scott.feltd	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -

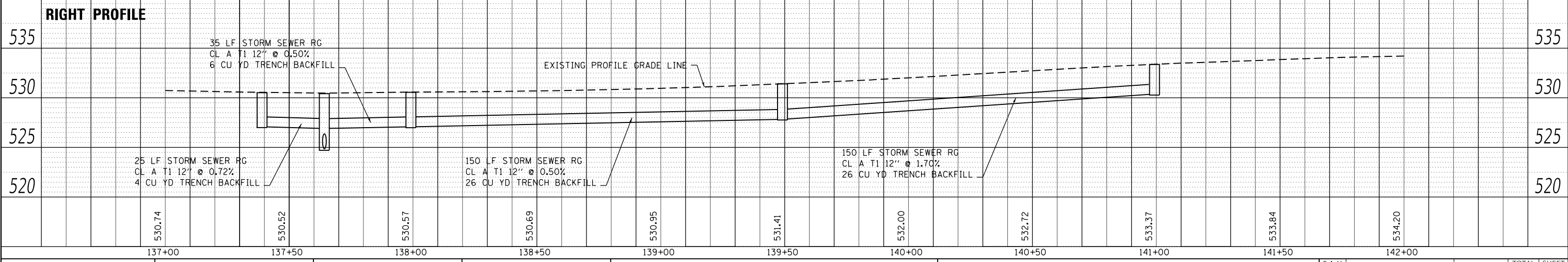
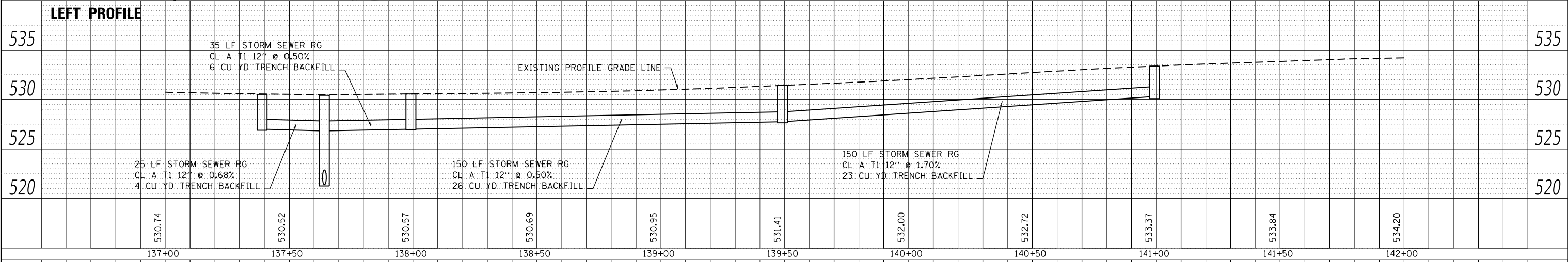
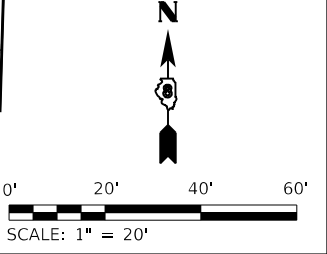
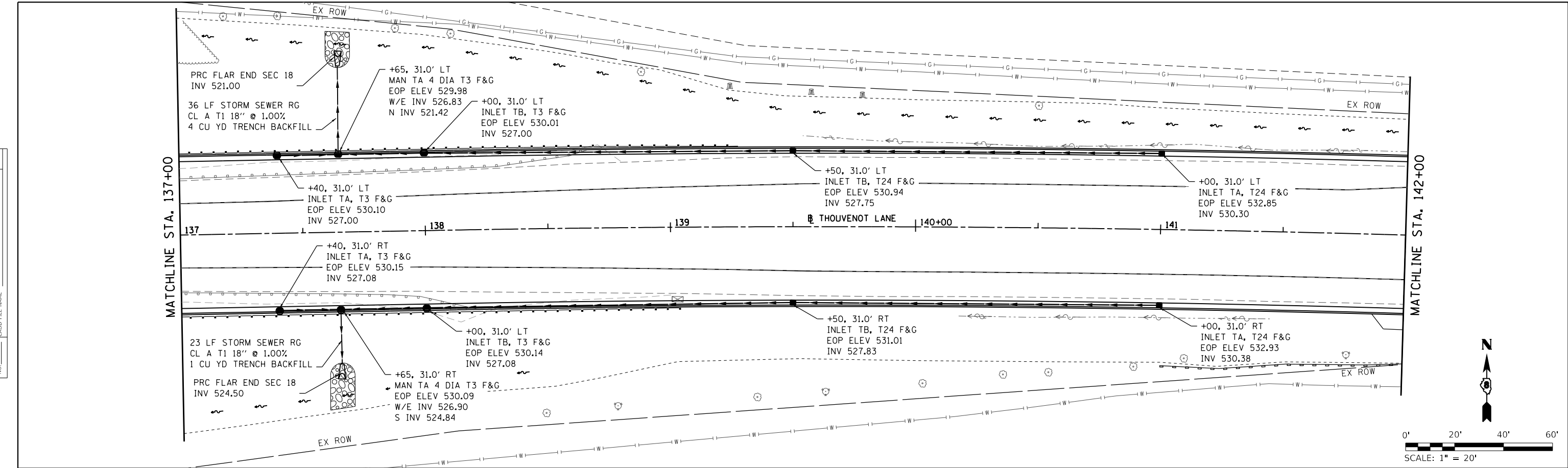
**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**DRAINAGE PLAN & PROFILE SHEETS**  
 SCALE: 1" = 20' SHEET 15 OF 19 SHEETS STA. 132+00 TO STA. 137+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	89
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATION	



MODEL: 16  
 FILE NAME: H:\17032 - FSPE WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\17032-sht-drain.dwg  
**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = scott.feltd	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -

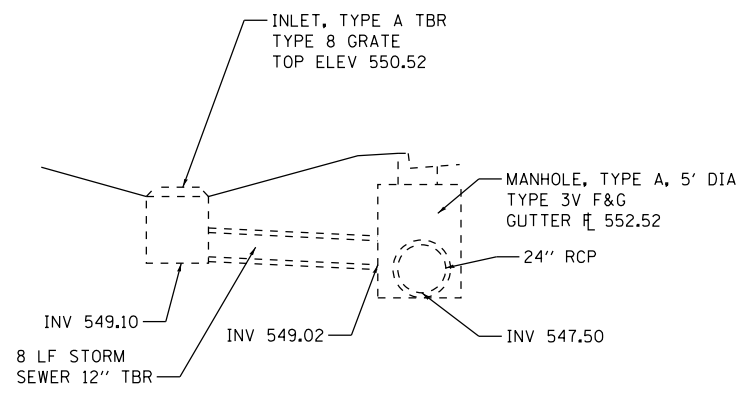
**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**DRAINAGE PLAN & PROFILE SHEETS**  
 SCALE: 1" = 20' SHEET 16 OF 19 SHEETS STA. 137+00 TO STA. 142+00

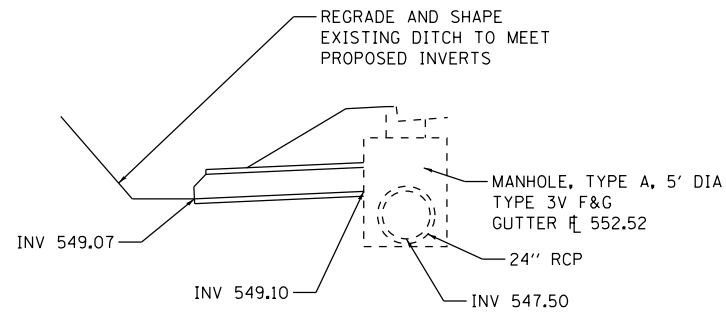
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	90
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				







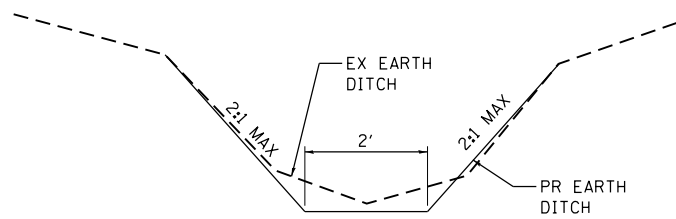
**EXISTING INLET**



**PROPOSED INLET**

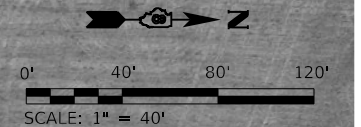
**DETAIL A**

NOT TO SCALE



**GRADING & SHAPING DITCH DETAIL**

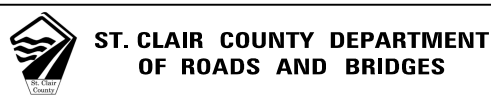
NOT TO SCALE



MODEL: 21  
FILE NAME: HURL17032 - F&E WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-shc-draw.dgn

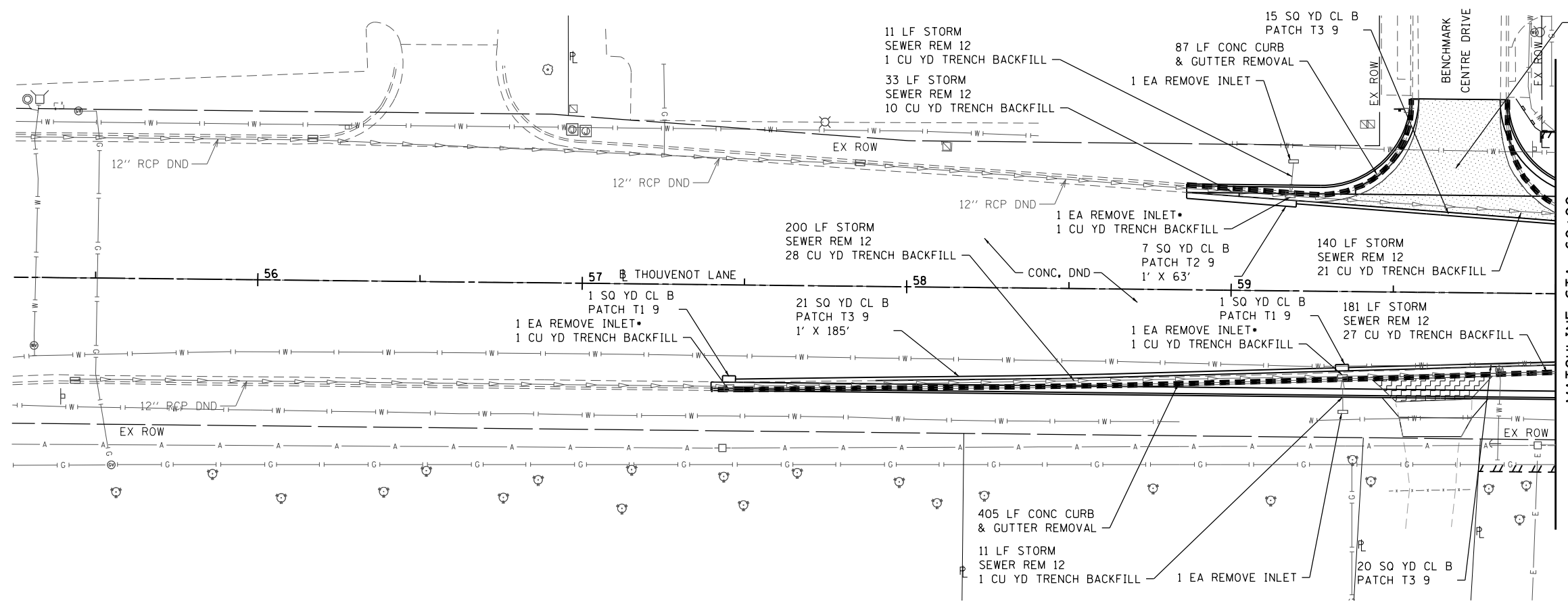


USER NAME = scott.felot	DESIGNED -	REVISED -
PLOT SCALE = 80.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



<b>DRAINAGE PLAN VIEW</b>			
SCALE: 1" = 40'	SHEET 19	OF 19 SHEETS	STA. TO STA.

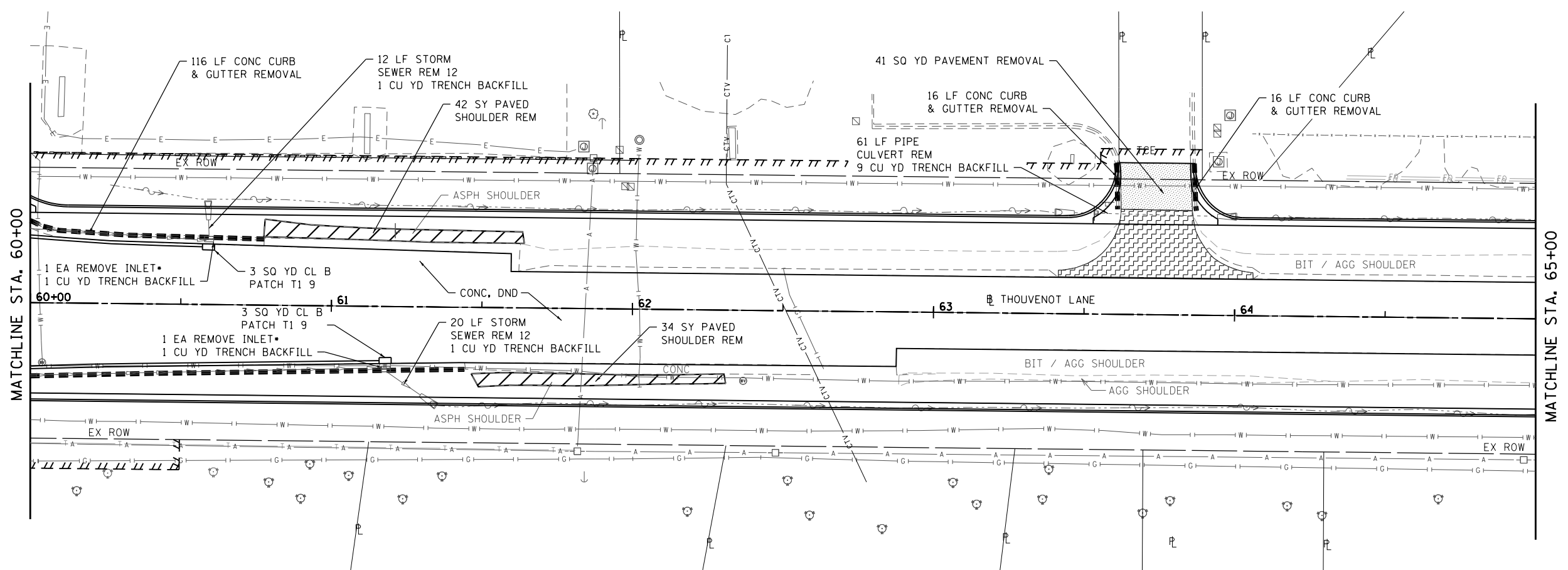
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	93
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



**REMOVAL LEGEND**

- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL
- CONCRETE CURB & GUTTER REMOVAL
- PAVED SHOULDER REMOVAL
- TREE REMOVAL, ACRES
- TREE REMOVAL

• TYPE 3V F&G TO BE SALVAGED



MODEL: Removals.dwg  
 FILE NAME: 10/11/2021 - ESSE WIDENING PHASE 2\CADD\MicroStation\CADD Drawings\17032-ehc-removal.dwg  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = scott.felst  
 PLOT SCALE = 40.0000 ' / in.  
 PLOT DATE = 10/18/2021

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

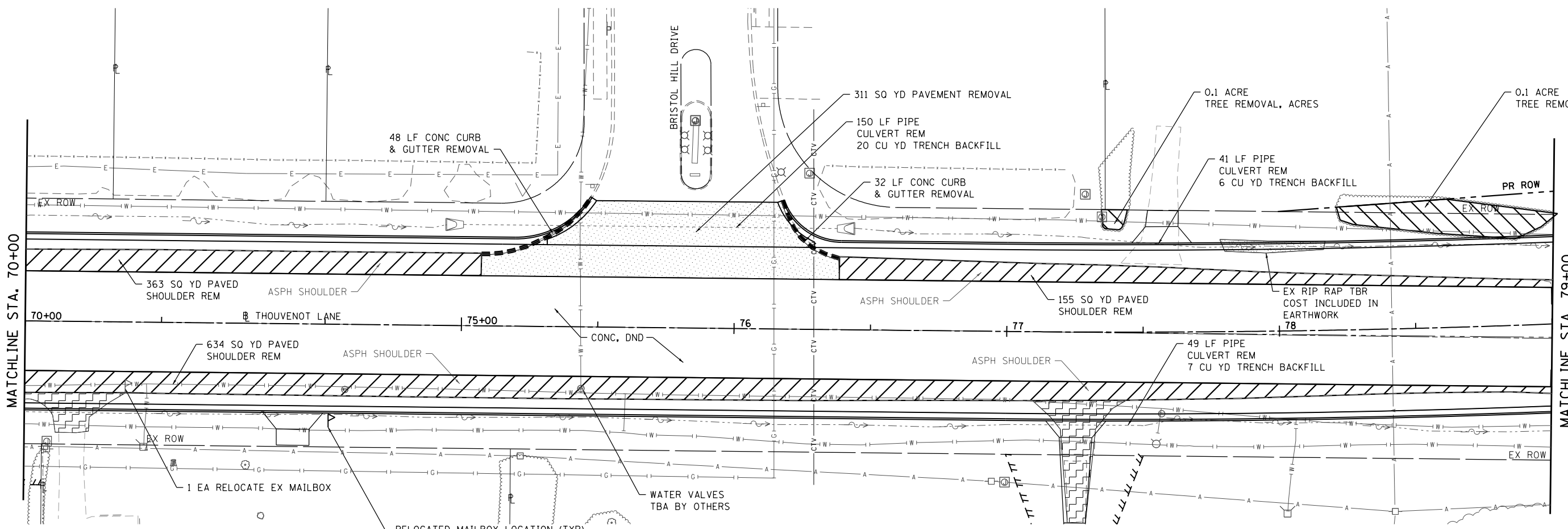
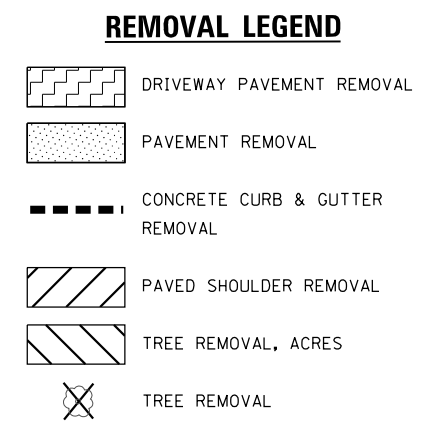
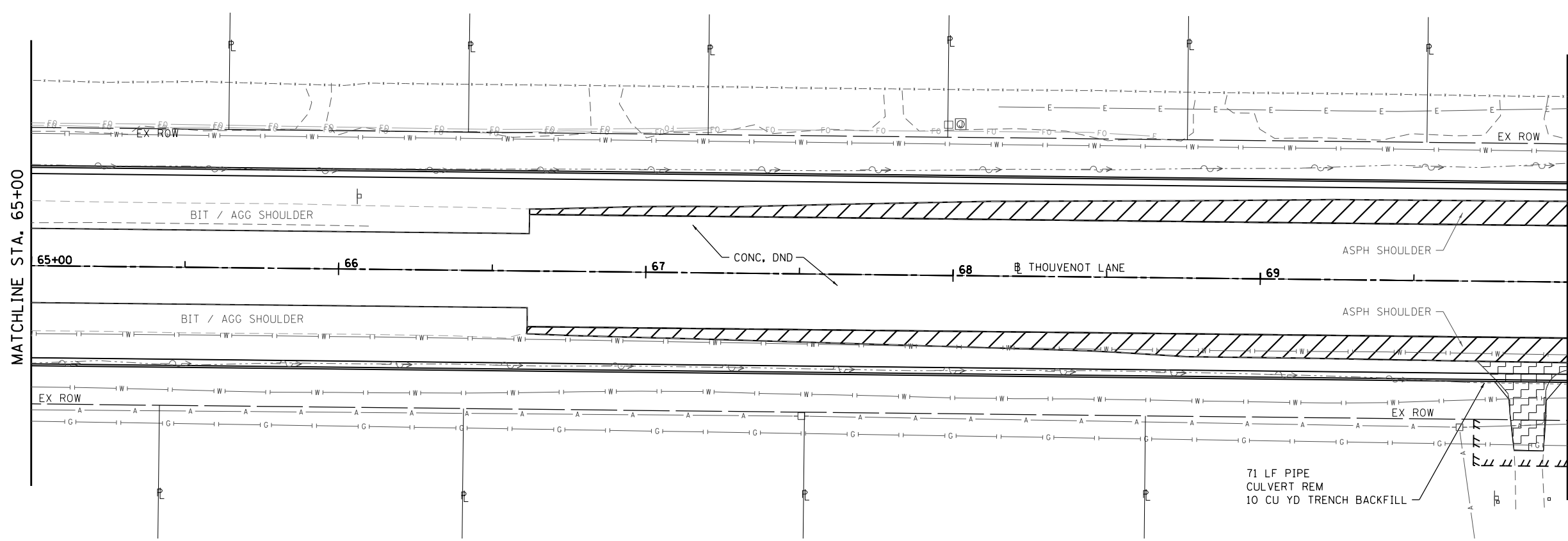
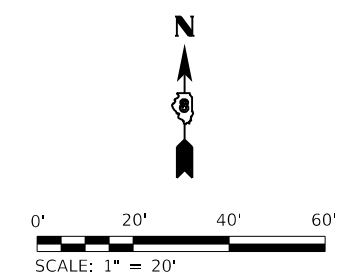


**ST. CLAIR COUNTY DEPARTMENT  
 OF ROADS AND BRIDGES**

**REMOVAL PLANS**

SCALE: 1" = 20'    SHEET 1 OF 9 SHEETS    STA. TO STA. 65+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	94
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



MODEL: Removal.dwg  
FILE NAME: 10/11/2022 - ESSE WIDENING PHASE 2\CADD\Microstation\CADD\_Drawing\17032-shr-removal.dgn



USER NAME = scott.felst	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



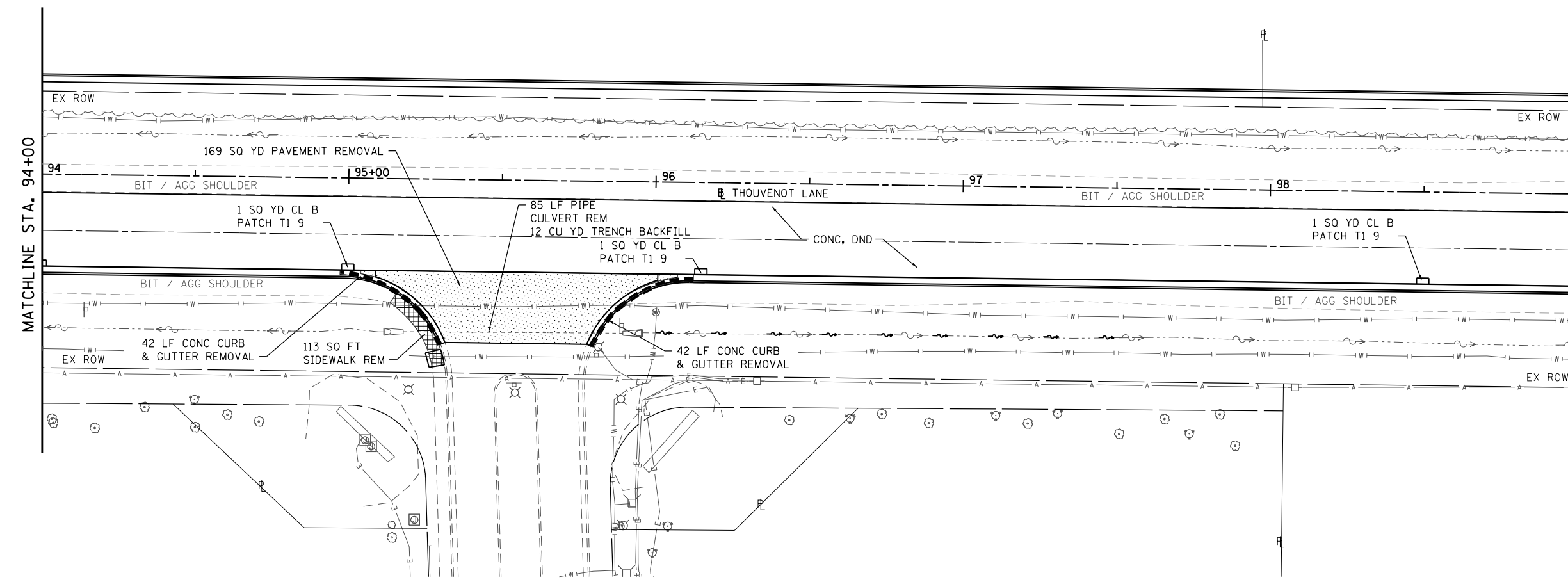
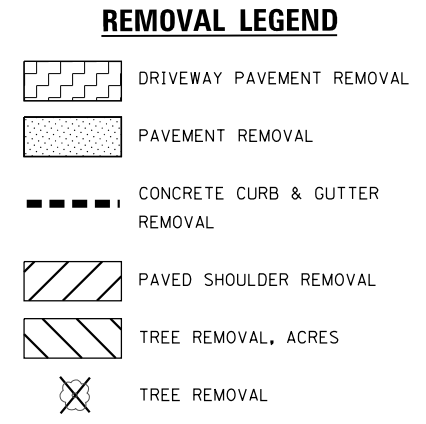
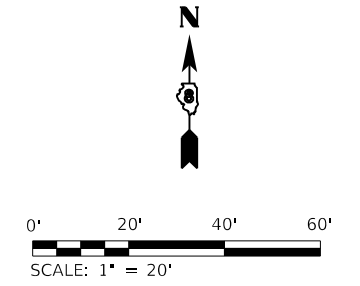
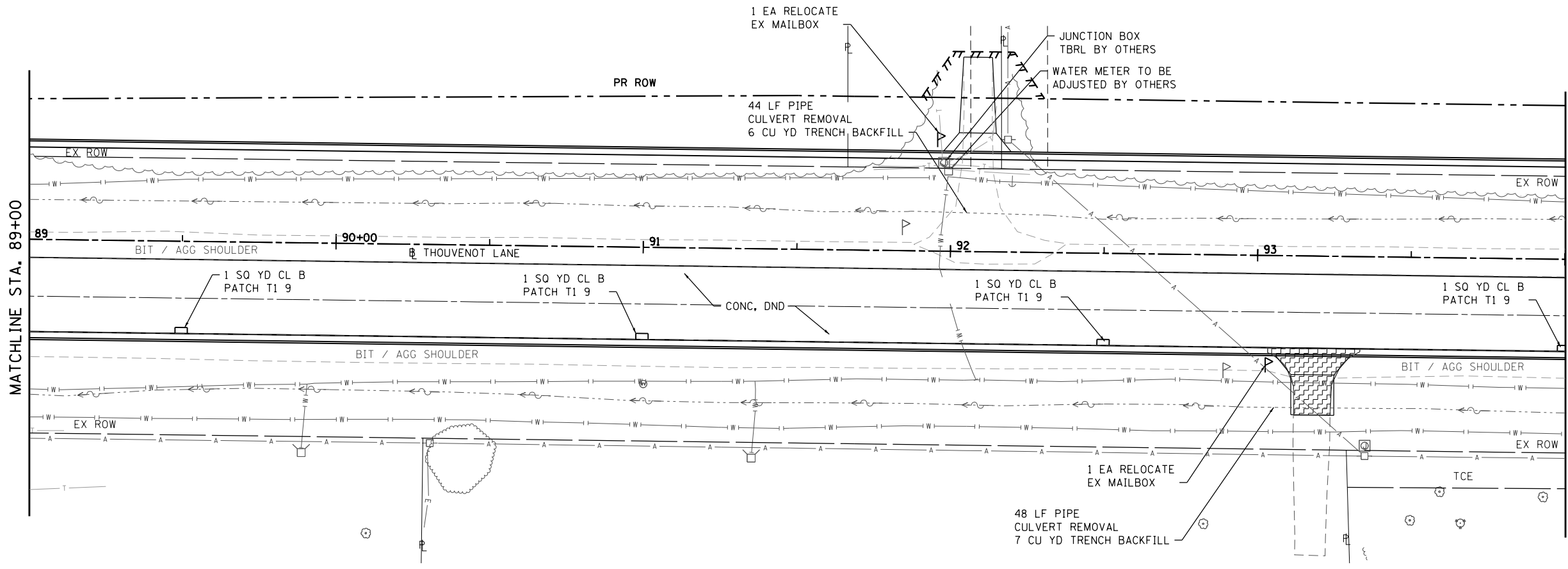
**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

<b>REMOVAL PLANS</b>			
SCALE: 1" = 20'	SHEET 2	OF 9 SHEETS	STA. 65+00 TO STA. 79+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	95
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				







MODEL: Removals.dwg  
FILE NAME: 10/11/2021 - ESPE WIDENING PHASE 2\CADD\Microstation\CADD\_Drawing\1032-shc-removals.dwg



USER NAME = scott.felot	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -

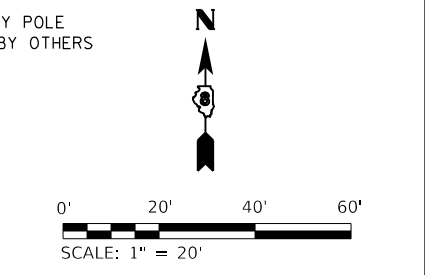
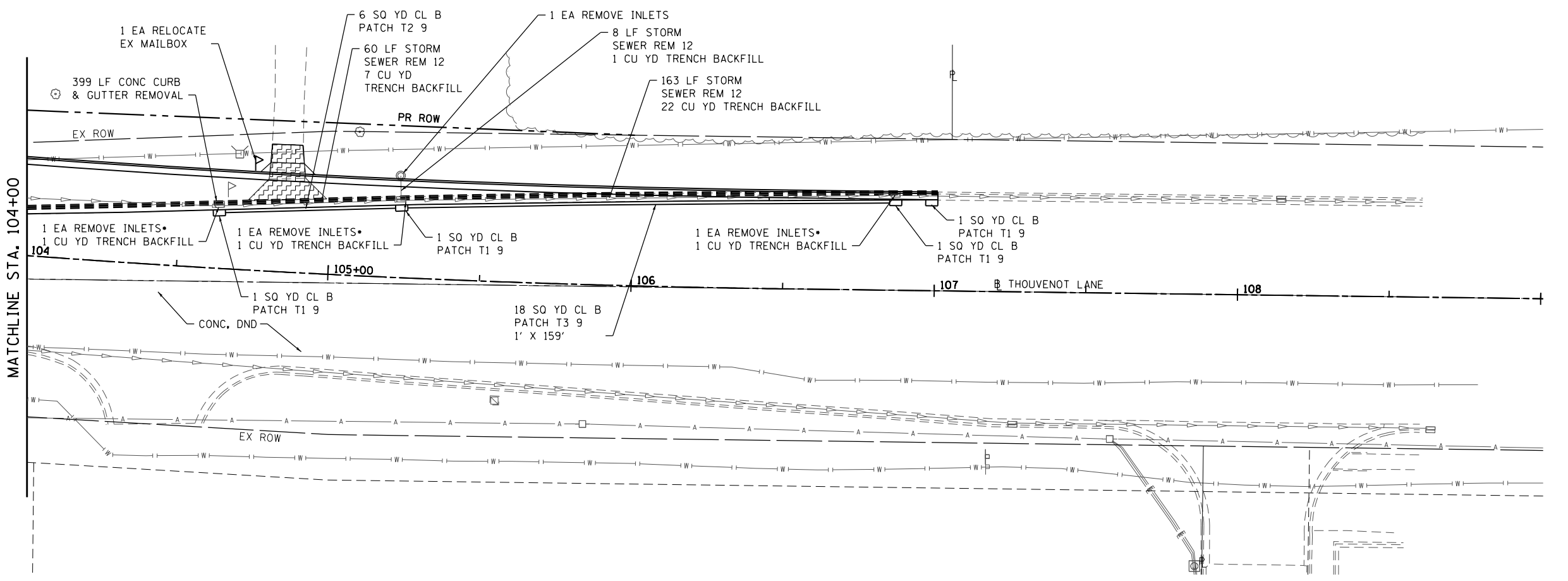
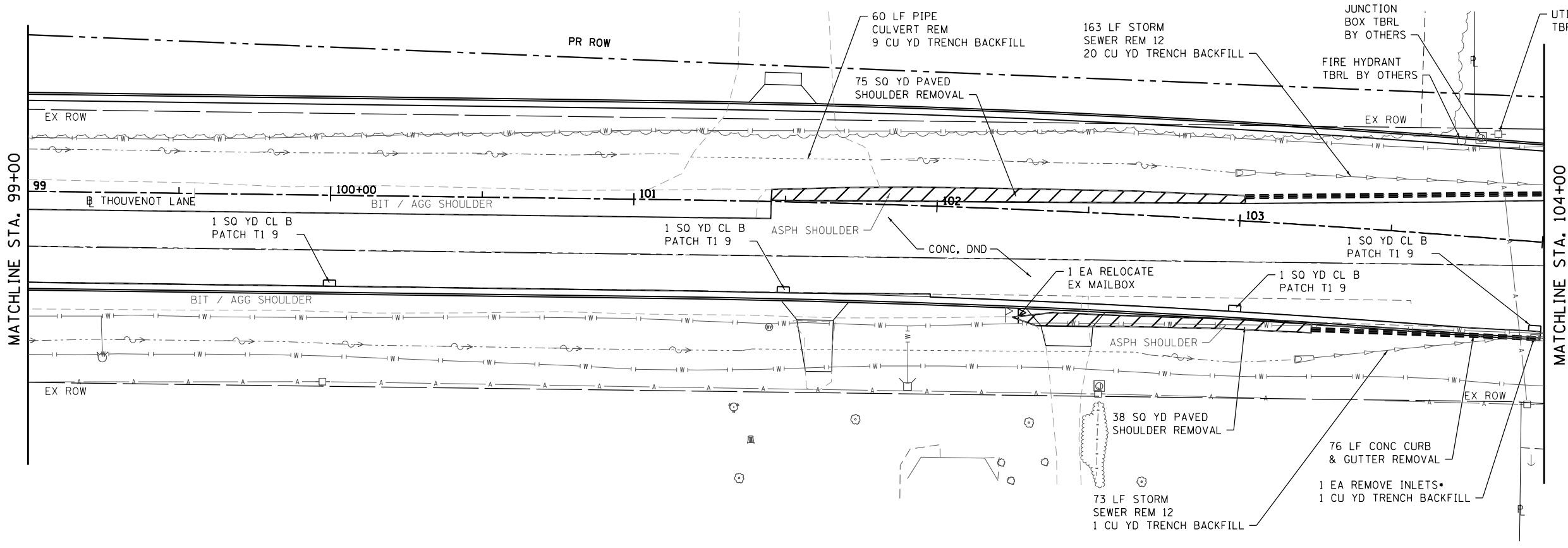





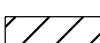
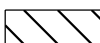

**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**REMOVAL PLANS**

SCALE: 1" = 20' SHEET 4 OF 9 SHEETS STA. 89+00 TO STA. 99+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	97
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



- REMOVAL LEGEND**
-  DRIVEWAY PAVEMENT REMOVAL
  -  PAVEMENT REMOVAL
  -  CONCRETE CURB & GUTTER REMOVAL
  -  PAVED SHOULDER REMOVAL
  -  TREE REMOVAL, ACRES
  -  TREE REMOVAL
- TYPE 3V F&G TO BE SALVAGED

MODEL: Removal\_05  
 FILE NAME: 10117022 - ESPE WIDENING PHASE 2\CADD\Microstation\CADD\_Drawing\17022-shr-removal.dgn



USER NAME = scott.feldt  
 PLOT SCALE = 40.0000 "/in.  
 PLOT DATE = 10/18/2021

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

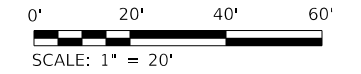


**ST. CLAIR COUNTY DEPARTMENT  
 OF ROADS AND BRIDGES**







**REMOVAL PLANS**

SCALE: 1" = 20'    SHEET 5 OF 9 SHEETS    STA. 99+00 TO STA.

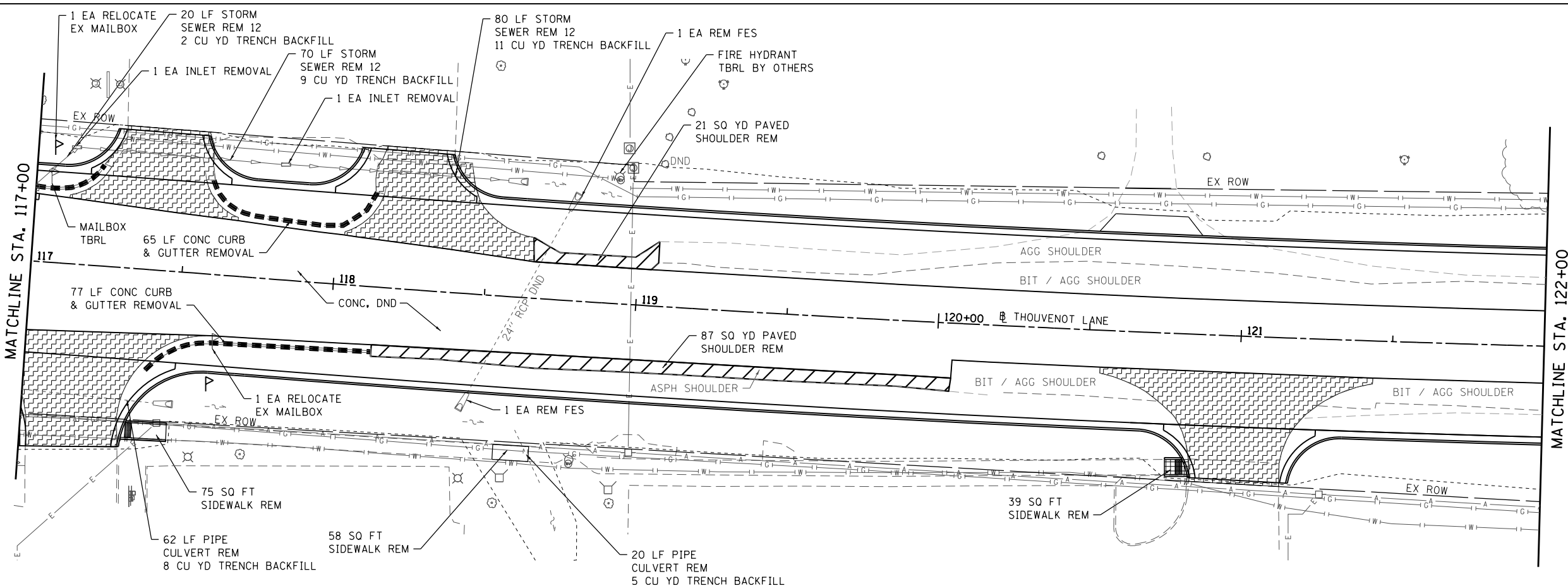
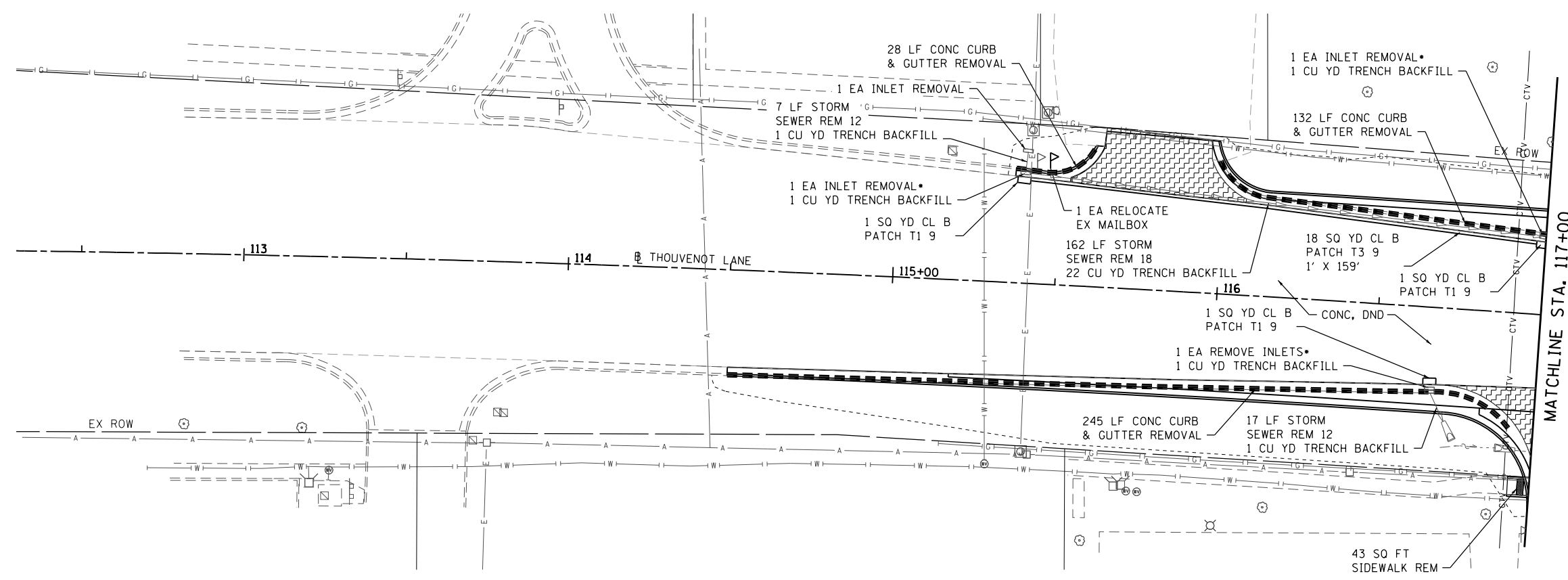
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	98
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				



**REMOVAL LEGEND**

-  DRIVEWAY PAVEMENT REMOVAL
-  PAVEMENT REMOVAL
-  CONCRETE CURB & GUTTER REMOVAL
-  PAVED SHOULDER REMOVAL
-  TREE REMOVAL, ACRES
-  TREE REMOVAL

• TYPE 3V F&G TO BE SALVAGED



MODEL: Removals 05  
FILE NAME: 10111023 - F&G WIDENING PHASE 2\CADD\Microstation\CADD Drawings\11032-shr-removal.dgn



USER NAME = scott.felst	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 "/>	DRAWN -	REVISED -
PLOT DATE = 10/18/2021	CHECKED -	REVISED -
	DATE -	REVISED -



**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**REMOVAL PLANS**

SCALE: 1" = 20' SHEET 6 OF 9 SHEETS STA. TO STA. 122+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	99
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				

37 LF PIPE  
CULVERT REM  
5 CU YD TRENCH BACKFILL

MAILBOX TBRL

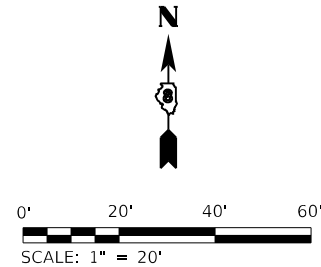
1 EA RELOCATE  
EX MAILBOX

30 LF PIPE  
CULVERT REM  
4 CU YD TRENCH BACKFILL







39 LF PIPE  
CULVERT REM  
5 CU YD TRENCH BACKFILL

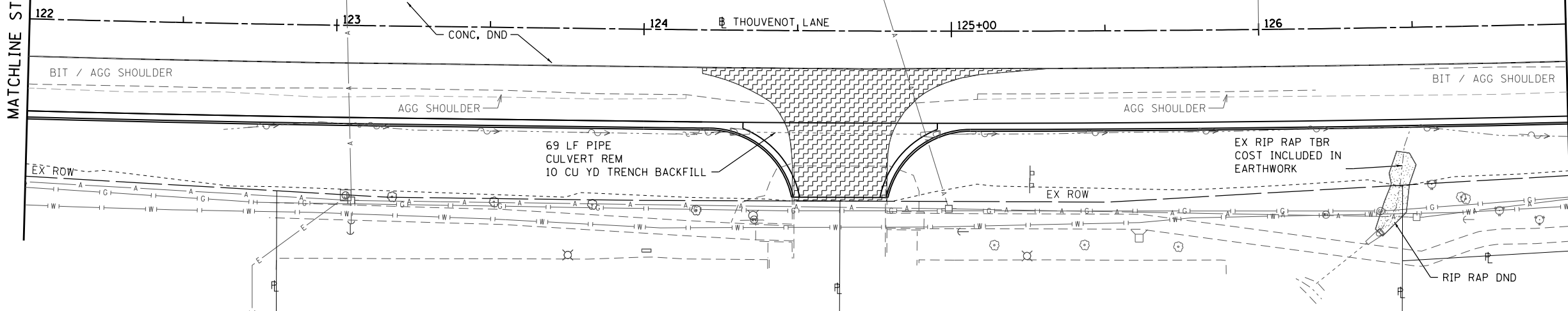
MATCHLINE STA. 122+00

MATCHLINE STA. 127+00



**REMOVAL LEGEND**

-  DRIVEWAY PAVEMENT REMOVAL
-  PAVEMENT REMOVAL
-  CONCRETE CURB & GUTTER REMOVAL
-  PAVED SHOULDER REMOVAL
-  TREE REMOVAL, ACRES
-  TREE REMOVAL



MATCHLINE STA. 127+00

MATCHLINE STA. 132+00

PR ROW

EX ROW

0.1 ACRES  
TREE REMOVAL, ACRES

TREE REMOV 6-15  
14 UNITS

TREE REMOV 6-15  
12 UNITS

TREE REMOV 6-15  
8 UNITS

TREE REMOV 6-15  
8 UNITS

TREE REMOV 6-15  
8 UNITS

TREE REMOV 6-15  
10 UNITS

TREE REMOV 6-15  
8 UNITS

TREE REMOV 6-15  
14 UNITS

356 SQ YD PAVEMENT REMOVAL

128

129

CONC, DND

130+00

THOUVENOT LANE

131

BIT / AGG SHOULDER

AGG SHOULDER

BIT / AGG SHOULDER

BIT / AGG SHOULDER

93 LF PIPE  
CULVERT REM  
12 CU YD TRENCH BACKFILL

CROWMELL LANE

EX ROW

MODEL: Removals 01  
FILE NAME: 10/11/2021 - ESSE WIDENING PHASE 2\CADD\Microstation\CADD Drawings\17032-shc-removal.dgn



USER NAME = scott.felot  
PLOT SCALE = 40.0000' / in.  
DATE = 10/18/2021

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -



**ST. CLAIR COUNTY DEPARTMENT  
OF ROADS AND BRIDGES**

**REMOVAL PLANS**

SCALE: 1" = 20'    SHEET 7 OF 9 SHEETS    STA. 122+00 TO STA. 132+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	13-00301-15-PW	ST. CLAIR	251	100
CONTRACT NO. 97752				
ILLINOIS FED. AID PROJECT				