

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED

ST. CLAIR COUNTY  
FRANK SCOTT PARKWAY EAST WIDENING  
FAU ROUTE 9330  
SECTION: 12-00301-14-PW  
PROJECT: W5YW(206)  
JOB NO.: C-98-327-14  
STR FUNDS

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12-00301-14-PW	ST. CLAIR	93	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 97582	

+4 = 97

**INDEX OF SHEETS**

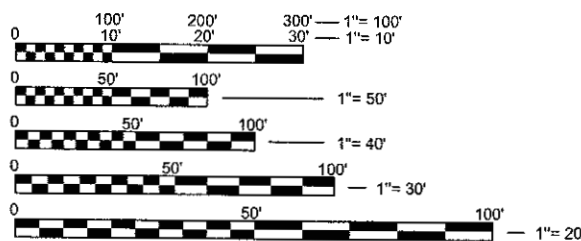
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LOCATION OF SECTION INDICATED THIS: - [Symbol] -

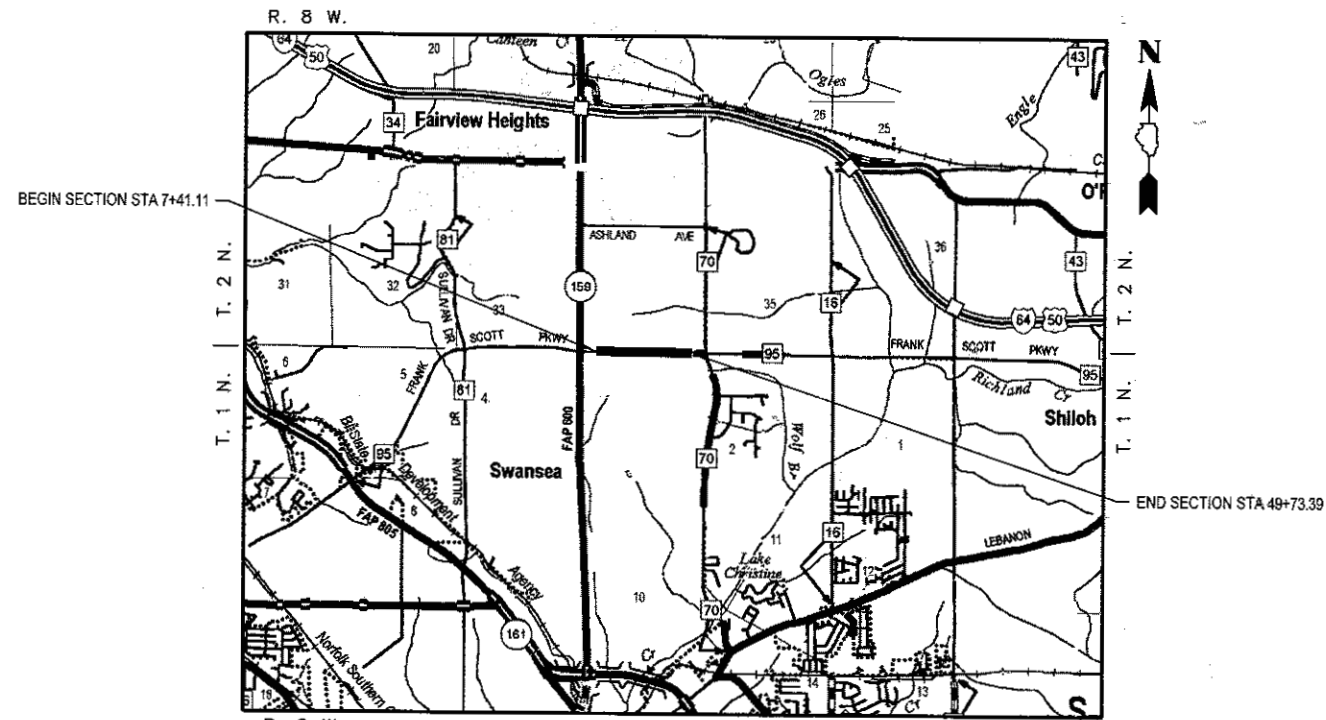
**SCALE IN FEET**

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



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

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



LOCATION MAP

SCALE: 1" = 4,000'

LENGTH OF PROJECT = 4,232.28 FEET (0.802 MILES)

**DESIGN DESIGNATION**

ROADWAY CLASSIFICATION = MINOR ARTERIAL  
DESIGN SPEED = 45 MPH  
CURRENT ADT = 16,000  
DESIGN YEAR ADT (2036) = 20,100

CONTRACT NO. 97582



STEVEN M. KEIL, P.E.  
DATE: 03-22-2017  
LICENSE EXPIRES: 11/30/2017

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED: March 22, 2017  
*[Signature]*  
St. Clair County Engineer

PASSED: 4/12/17  
*[Signature]*  
District # 8 Engineer of Local Roads & Streets

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW: 4/12/17  
*[Signature]*  
Region # 5 Engineer



100 Lanter Court, Suite 1  
Collinsville, IL 62234  
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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

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**GENERAL NOTES**

**UTILITIES**

ABOVE-GROUND UTILITY FACILITIES OR APPURTENANCES SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS TO PROVIDE A MINIMUM HORIZONTAL CLEARANCE OF 1.5 FEET, MEASURED FROM THE FACE OF CURB TO THE NEAR EDGE OF THE OBJECT.

THE FOLLOWING UTILITY COMPANIES MAY HAVE FACILITIES LOCATED WITHIN THE LIMITS OF CONSTRUCTION WHICH MAY REQUIRE ADJUSTMENT, RELOCATION OR REMOVAL. REFER TO THE "STATUS OF UTILITIES TO BE ADJUSTED" SPECIAL PROVISION FOR ADDITIONAL INFORMATION.

AT&T (TELEPHONE) 203 GOETHE STREET COLLINSVILLE, IL 62234 (618) 346-6400	ST. CLAIR TOWNSHIP (SANITARY SEWER) 107 SERVICE STREET SWANSEA, IL 62226 (618) 233-3437
CASEYVILLE TOWNSHIP (SANITARY SEWER) 1 ECOLOGY DRIVE FAIRVIEW HEIGHTS, IL 62208 (618) 632-2414	AMEREN IP (GAS & ELECTRIC) 1050 WEST BOULEVARD BELLEVILLE, IL 62221 (618) 236-4309
CITY OF O'FALLON (WATER & SEWER) 255 SOUTH LINCOLN AVENUE O'FALLON, IL 62269 (618) 624-4500	ILLINOIS AMERICAN WATER CO. (WATER) 100 NORTH WATERWORKS DRIVE BELLEVILLE, IL 62223 (618) 236-1180
CHARTER COMMUNICATIONS (COMMUNICATIONS) 7845 MAGNA DRIVE BELLEVILLE, IL 62223 (618) 236-9619	

**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 ADJUTING 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.

ALL EXISTING ROADWAY FEATURES INCLUDING, BUT NOT LIMITED TO, PAVEMENT, CURB, SIDEWALK, DRIVEWAY PAVEMENT, CULVERTS, HEADWALLS, RIPRAP, FENCING, RETAINING WALLS, 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**

EARTH EXCAVATION INCLUDES THE REMOVAL OF THE EXISTING BITUMINOUS (OIL & CHIP) ROADWAY SURFACE AND AGGREGATE BASE AT SIDE ROADS AND SHOULDERS. THE CONTRACTOR MAY INCORPORATE THESE MATERIALS INTO THE PROPOSED EMBANKMENT. SURPLUS AND/OR UNSUITABLE MATERIAL SHALL BE DISPOSED OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION."

THE CONTRACTOR SHALL BENCH THE PROPOSED EMBANKMENT INTO THE EXISTING SLOPES TO THE SATISFACTION OF 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 EARTH 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**

HIGH EARLY STRENGTH CONCRETE MIX SHALL BE USED FOR THE CONSTRUCTION OF PCC ENTRANCES AND SIDE ROADS. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR THE VARIOUS PCC DRIVEWAY PAVEMENT ITEMS INCLUDED IN THE CONTRACT. THE CONTRACTOR SHALL COORDINATE ALL ENTRANCE CLOSURES WITH THE PROPERTY OWNER PRIOR TO COMMENCING WORK.

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 560.09 AND 560.10 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.

ALL TYPE 3 FRAMES AND GRATES SHALL BE FURNISHED BY THE CONTRACTOR WITH TYPE 3 GRATES WITH OPEN CURB BOXES. SEE HIGHWAY STANDARD 604011 AND THE SPECIAL PROVISIONS FOR DETAILS.

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 CONTRACTOR SHALL APPLY SHORT-TERM OR TEMPORARY PAVEMENT MARKINGS AS SHOWN ON THE PLANS. A QUANTITY FOR SHORT-TERM OR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING TIMES THE NUMBER OF REQUIRED APPLICATIONS HAS BEEN INCLUDED IN THE PLANS.

**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.

TEMPORARY EROSION CONTROL SEEDING	350	POUNDS
AGGREGATE FOR TEMPORARY ACCESS	300	TON

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

ABND	ABANDONED	N/F	NOW OR FORMERLY
AD	ALGEBRAIC DIFFERENCE IN GRADE	O/C	OIL AND CHIP
BVCE	BEGINNING OF VERTICAL CURVE ELEVATION	PERM	PERMANENT
BVCS	BEGINNING OF VERTICAL CURVE STATION	PVI	POINT OF VERTICAL INTERSECTION
BO	BY OTHERS (USED IN CONJUNCTION WITH TBA & TBR)	PVC	POLYVINYL CHLORIDE PIPE
CLF	CHAIN LINK FENCE	RCP	REINFORCED CONCRETE PIPE
CONSTR	CONSTRUCTION	SPL	SPECIAL
CP	CONTROL POINT	TCE	TEMPORARY CONSTRUCTION EASEMENT
DND	DO NOT DISTURB	TUP	TEMPORARY USE PERMIT
EQRS	EQUIVALENT ROUND SIZE	TBA	TO BE ADJUSTED
ESMT	EASEMENT	TBR	TO BE RELOCATED
ELEV	ELEVATION	TYP	TYPICAL
EVCE	END OF VERTICAL CURVE ELEVATION	W	WIDTH
EVCS	END OF VERTICAL CURVE STATION		
FES	FLARED END SECTION		
K	LENGTH OF VERTICAL CURVE PER CENT GRADE DIFFERENCE		

**COMMITMENTS:**

THE CONTRACTOR MUST MAINTAIN A MINIMUM WIDTH OF 36 FEET AT ALL TIMES FOR THE PROPOSED ENTRANCE AT STATION 29+90 LEFT. ANY TEMPORARY OR LONG TERM CLOSURES OF THIS ENTRANCE MUST BE COORDINATED WITH THE PROPERTY OWNER, CHRIST UNITED METHODIST CHURCH.

**HIGHWAY STANDARDS**

000001-06	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
420001-08	PAVEMENT JOINTS
420801-06	24' PCC (7.2 m) PAVEMENT
420111-03	PCC PAVEMENT ROUNDOUTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
442101-07	CLASS B PATCHES
542306-03	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
602301-04	INLET - TYPE A
602306-03	INLET - TYPE B
602401-03	MANHOLE TYPE A
602601-04	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604006-05	FRAME AND GRATE TYPE 3
604036-03	GRATE TYPE 8
604091-03	FRAME AND GRATE TYPE 24
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-11	STEEL PLATE BEAM GUARDRAIL
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) 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
701306-03	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
701502-07	URBAN LANE CLOSURE, MULTILANE, 2L, 2W, WITH BI-DIRECTIONAL LEFT TURN LANE
701602-08	URBAN LANE CLOSURE, MULTILANE, 2W WITH BI-DIRECTIONAL LEFT TURN LANE
701901-06	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (TWO WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

FILE NAME = 14019 - GENERAL NOTES.DWG

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

USER NAME =	SAM WRIGLEY	DESIGNED -	---	REVISED -	---
		DRAWN -	---	REVISED -	---
PLOT SCALE =	1"=1'	CHECKED -	---	REVISED -	---
PLOT DATE =	2017-03-22	DATE -	---	REVISED -	---



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

**GENERAL NOTES, COMMITMENTS & HIGHWAY STANDARDS**

SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	2
CONTRACT NO. 97582				

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

**SUMMARY OF QUANTITIES**

SPECIAL ITEM	PROJ SP	CODE NO.	ITEM	SP	UNIT	TOTAL QUANTITIES
*		20200100	EARTH EXCAVATION		CU YD	4,215
*		20800150	TRENCH BACKFILL		CU YD	1,107
*		25000200	SEEDING, CLASS 2		ACRE	1.75
		25000400	NITROGEN FERTILIZER NUTRIENT		POUND	160
		25000500	PHOSPHORUS FERTILIZER NUTRIENT		POUND	160
		25000600	POTASSIUM FERTILIZER NUTRIENT		POUND	160
		25100115	MULCH, METHOD 2		ACRE	1.75
		25100630	EROSION CONTROL BLANKET		SQ YD	857
		28000250	TEMPORARY EROSION CONTROL SEEDING		POUND	350
		28000305	TEMPORARY DITCH CHECKS		FOOT	200
		28000400	PERMETER EROSION BARRIER		FOOT	1,688
		28000500	INLET AND PIPE PROTECTION		EACH	82
*		28100105	STONE RIPRAP, CLASS A3		SQ YD	120
		28200200	FILTER FABRIC		SQ YD	120

**SUMMARY OF QUANTITIES**

SPECIAL ITEM	PROJ SP	CODE NO.	ITEM	SP	UNIT	TOTAL QUANTITIES
*		30200650	PROCESSING MODIFIED SOIL 12"		SQ YD	14,823
*		30201500	LIME		TON	285.5
		31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"		SQ YD	14,823
		35100300	AGGREGATE BASE COURSE, TYPE A 4"		SQ YD	13
		35100500	AGGREGATE BASE COURSE, TYPE A 6"		SQ YD	9
		35100700	AGGREGATE BASE COURSE, TYPE A 8"		SQ YD	701
		40201000	AGGREGATE FOR TEMPORARY ACCESS		TON	300
		40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70		TON	218
*		40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING		TON	94
		42000060	WELDED WIRE REINFORCEMENT		SQ YD	12,868
*		42000400	PORTLAND CEMENT CONCRETE PAVEMENT 9"		SQ YD	12,868
*		42001300	PROTECTIVE COAT		SQ YD	12,868
		42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH		SQ YD	103
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH		SQ YD	560
		44000100	PAVEMENT REMOVAL		SQ YD	748

FILE NAME = 14013 - SUMMARY OF QUANTITIES.DWG

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USER NAME =	SAM WRIGLEY	DESIGNED -	____	REVISED -	____
DRAWN -	____	CHECKED -	____	REVISED -	____
PLOT SCALE =	1' = 1'	DATE	____	REVISED -	____
PLOT DATE =	2017-03-23				



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

**SUMMARY OF QUANTITIES**

SCALE: SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	3
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 97582	

**SUMMARY OF QUANTITIES**

SPECIAL ITEM	PROJ SP	CODE NO.	ITEM	SP	UNIT	TOTAL QUANTITIES
		44000200	DRIVEWAY PAVEMENT REMOVAL		SQ YD	745
		44000500	COMBINATION CURB AND GUTTER REMOVAL		FOOT	3,155
		44004250	PAVED SHOULDER REMOVAL		SQ YD	652
		44200948	CLASS B PATCHES, TYPE I, 9 INCH		SQ YD	13
		44200956	CLASS B PATCHES, TYPE II, 9 INCH		SQ YD	11
		44213200	SAWCUTS		FOOT	171
*		50105220	PIPE CULVERT REMOVAL		FOOT	508
		54214515	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 30"		EACH	4
		54216180	REINFORCED CONCRETE PIPE TEE, 12" PIPE WITH 12" RISER		EACH	2
		54216190	REINFORCED CONCRETE PIPE TEE, 18" PIPE WITH 12" RISER		EACH	2
*		550A0050	STORM SEWERS, CLASS A, TYPE 1 12"		FOOT	2,050
*		550A0070	STORM SEWERS, CLASS A, TYPE 1 15"		FOOT	1,410
*		550A0090	STORM SEWERS, CLASS A, TYPE 1 18"		FOOT	1,391
*		550A0120	STORM SEWERS, CLASS A, TYPE 1 24"		FOOT	833

**SUMMARY OF QUANTITIES**

SPECIAL ITEM	PROJ SP	CODE NO.	ITEM	SP	UNIT	TOTAL QUANTITIES
*		550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"		FOOT	8
*		550A4300	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"		FOOT	50
*		55100500	STORM SEWER REMOVAL 12"		FOOT	195
*		55100900	STORM SEWER REMOVAL 18"		FOOT	20
		60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE		EACH	5
		60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE		EACH	9
		60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE		EACH	4
		60236200	INLETS, TYPE A, TYPE 8 GRATE		EACH	12
		60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE		EACH	5
		60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE		EACH	1
		60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE		EACH	11
		60240395	INLETS, TYPE B		EACH	20
		60255500	MANHOLES TO BE ADJUSTED		EACH	1
*		60500040	REMOVING MANHOLES		EACH	1
*		60500060	REMOVING INLETS		EACH	10

FILE NAME = 14013 - SUMMARY OF QUANTITIES.DWG

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USER NAME =	SAM WRIGLEY	DESIGNED -	---	REVISED -	---
DRAWN -	---	CHECKED -	---	REVISED -	---
PLOT SCALE =	1' = 1'	DATE -	---	REVISED -	---
PLOT DATE =	2017-03-23				



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

**SUMMARY OF QUANTITIES**

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12-00301-14-PW	ST. CLAIR	93	4
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 97582	



**SUMMARY OF QUANTITIES**

SPECIAL ITEM	PROJ SP	CODE NO.	ITEM	SP	UNIT	TOTAL QUANTITIES
		60500305	FILLING INLETS		EACH	16
		60600605	CONCRETE CURB, TYPE B		FOOT	68
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24		FOOT	6,635
*		63000017	STEEL PLATE BEAM GUARDRAIL, TYPE D, 6 FOOT POSTS		FOOT	75
*		63100045	TRAFFIC BARRIER TERMINAL, TYPE 2		EACH	1
*		63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT		EACH	1
		67100100	MOBILIZATION		LSUM	1
		67000400	ENGINEER'S FIELD OFFICE, TYPE A		CAL MO	18
		70300100	SHORT TERM PAVEMENT MARKING		FOOT	1,192
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL		SQ FT	397
		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"		FOOT	27,939
		72000100	SIGN PANEL - TYPE 1		SQ FT	48
*		72501000	TERMINAL MARKER - DIRECT APPLIED		EACH	1
		72900200	METAL POST - TYPE B		FOOT	112
*		78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS		SQ FT	530.4

**SUMMARY OF QUANTITIES**

SPECIAL ITEM	PROJ SP	CODE NO.	ITEM	SP	UNIT	TOTAL QUANTITIES
*		78001110	PAINT PAVEMENT MARKING - LINE 4"		FOOT	12,752
*		78001150	PAINT PAVEMENT MARKING - LINE 12"		FOOT	25
*		78100100	RAISED REFLECTIVE PAVEMENT MARKER		EACH	320
*		78200005	GUARDRAIL REFLECTORS, TYPE A		EACH	3
*		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL		EACH	185
*		X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING		SQ FT	4,584
*		X6023508	INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE	*	EACH	4
*		X6024240	INLETS, SPECIAL	*	EACH	2
*		X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	*	LSUM	1
		X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	*	SQ FT	9,313
*		XX008979	CONCRETE COLLAR		EACH	6
*		Z0018911	DRILL AND GROUT #6 TIE BARS	*	EACH	2,616
		Z0056654	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 24"	*	FOOT	126
Δ		Z0076600	TRAINEES	*	HOUR	1,000
Δ		Z0076600	TRAINEES TRAINING PROGRAM GRADUATE	*	HOUR	1,000

Δ 0042

FILE NAME = 14013 - SUMMARY OF QUANTITIES.DWG



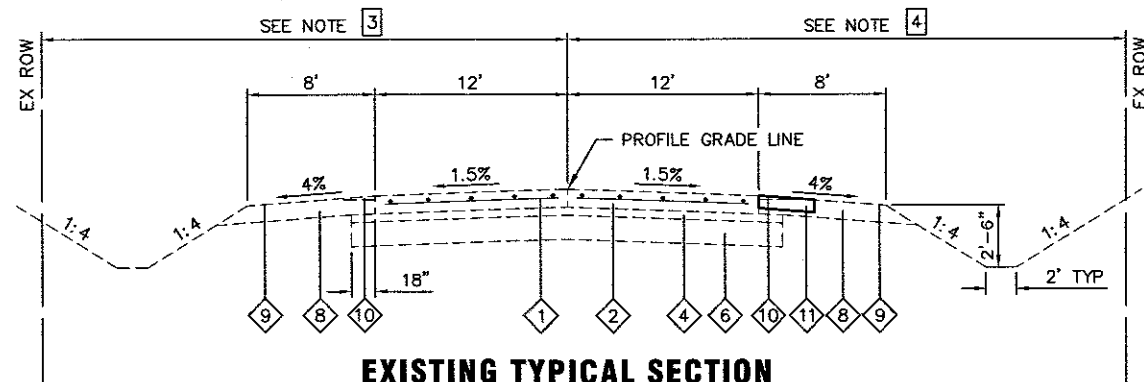
USER NAME =	SAM WRIGLEY	DESIGNED -	---	REVISED -	---
PLOT SCALE =	1" = 1'	DRAWN -	---	REVISED -	---
PLOT DATE =	2017-03-23	CHECKED -	---	REVISED -	---
		DATE -	---	REVISED -	---



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

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	5
FED. ROAD DIST. NO. ILLINOIS			CONTRACT NO. 97582	

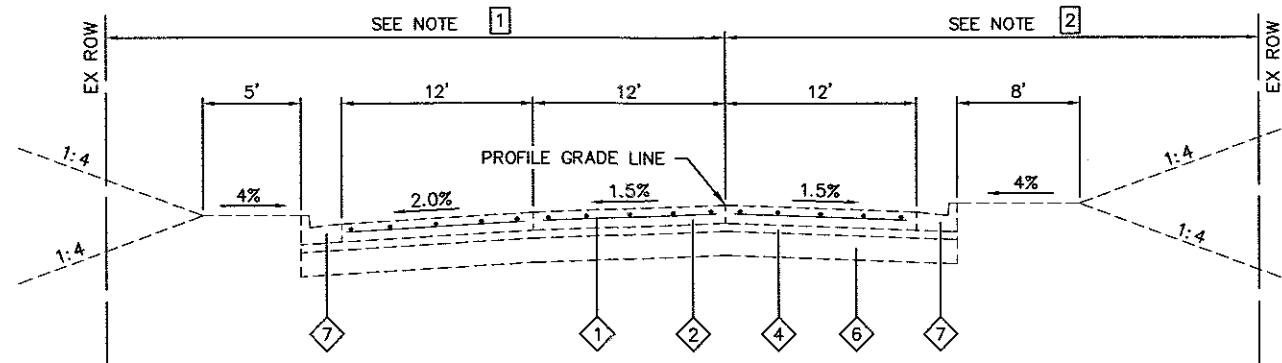


**EXISTING TYPICAL SECTION**

STA. 27+99.81 TO STA. 44+33.39 LT  
 STA. 27+99.81 TO STA. 45+10.82 RT

**TYPICAL SECTION LEGEND**

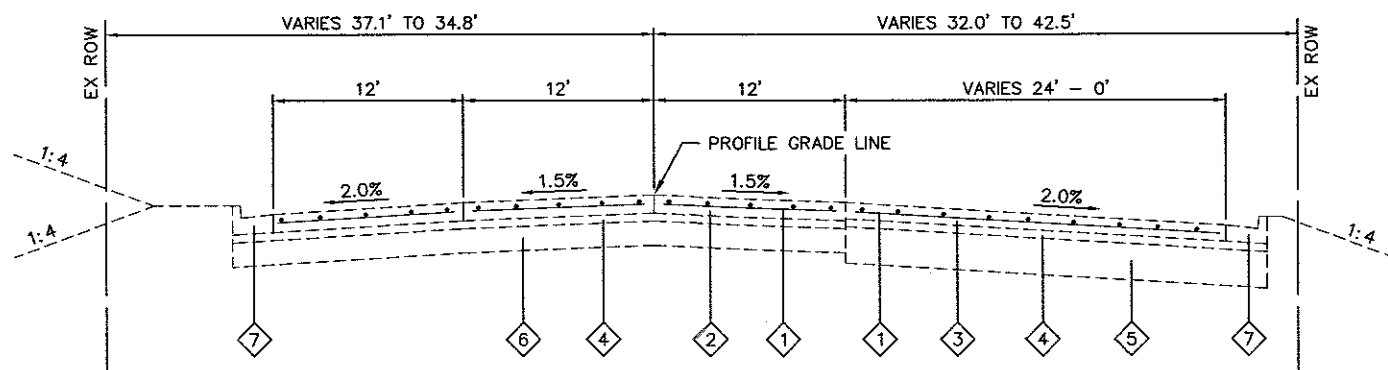
- ① EXISTING PAVEMENT FABRIC
- ② EXISTING PC CONCRETE PAVEMENT, 9"
- ③ EXISTING PC CONCRETE PAVEMENT, 8"
- ④ EXISTING SUB-BASE GRANULAR MATERIAL, 4"
- ⑤ EXISTING MODIFIED SOILS, 16"
- ⑥ EXISTING MODIFIED SOILS, 12"
- ⑦ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑧ EXISTING AGGREGATE SHOULDERS, TYPE A, 8", TO BE REMOVED AS EARTH EXCAVATION
- ⑨ EXISTING BITUMINOUS SURFACE TREATMENT, TO BE REMOVED AS EARTH EXCAVATION
- ⑩ EXISTING ASPHALT WEDGE, TO BE REMOVED AS EARTH EXCAVATION
- ⑪ TEMPORARY HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 6"



**EXISTING TYPICAL SECTION**

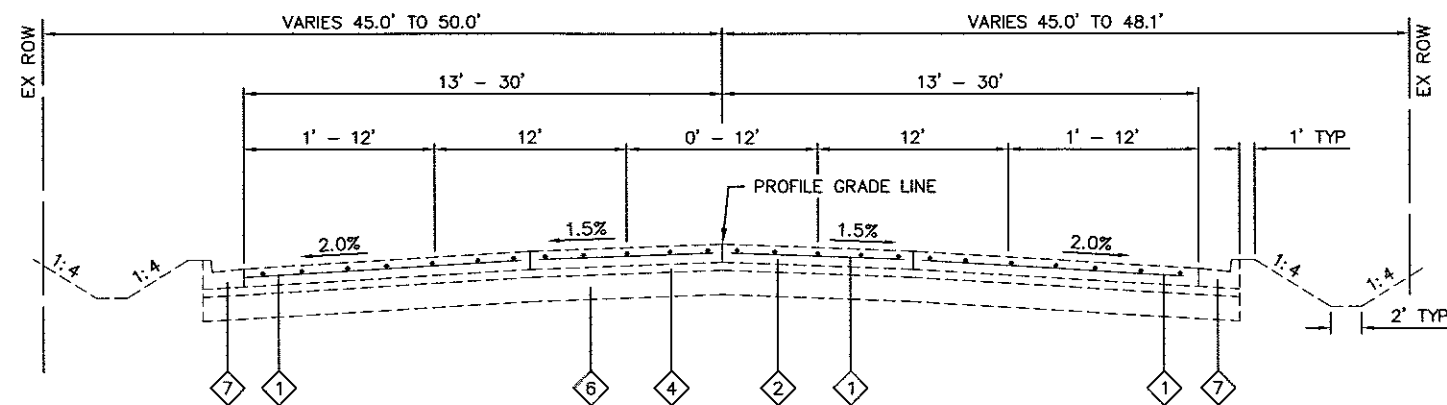
STA. 12+30.00 TO STA. 27+99.81

- ① STA 12+30.00 TO 13+50.00 - VARIES 37.1' TO 48.0'  
 STA 13+50.00 TO STA 26+39.17 - 48.0'  
 STA 26+39.17 TO STA 27+99.11 - VARIES 43.0' TO 55.0'
- ② STA 12+30.00 TO STA 14+13.59 - VARIES 42.5' TO 52.0'  
 STA 14+13.59 TO STA 27+08.91 - 52.0'  
 STA 27+08.91 TO STA 27+99.11 - VARIES 52.0' TO 62.0'
- ③ STA 27+99.11 TO STA 33+28.83 - 23.0' TO 45.0'  
 STA 33+28.83 TO STA 44+33.389 - 45.0'
- ④ STA 27+99.11 TO STA 33+28.83 - VARIES 66.2' TO 45.0'  
 STA 33+28.83 TO STA 38+72.60 - 45.0'  
 STA 38+72.60 TO STA 42+24.50 - VARIES 155.3' TO 45.0'  
 STA 42+24.50 TO STA 45+10.82 - 45.0'



**EXISTING TYPICAL SECTION**

STA. 7+41.11 TO STA. 12+30.00



**EXISTING TYPICAL SECTION**

STA. 44+33.39 LT TO STA. 49+73.39 LT  
 STA. 45+10.82 RT TO STA. 47+80.66 RT

FILE NAME = 14013 - TYPICAL SECTIONS.DWG

**DATES ASSOCIATES**  
 Consulting Engineers  
 www.datesassociates.com  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME =	SAM WRIGLEY	DESIGNED -	---	REVISED -	---
PLOT SCALE =	1" = 1'	DRAWN -	---	REVISED -	---
PLOT DATE =	2017-03-22	CHECKED -	---	REVISED -	---
		DATE -	---	REVISED -	---

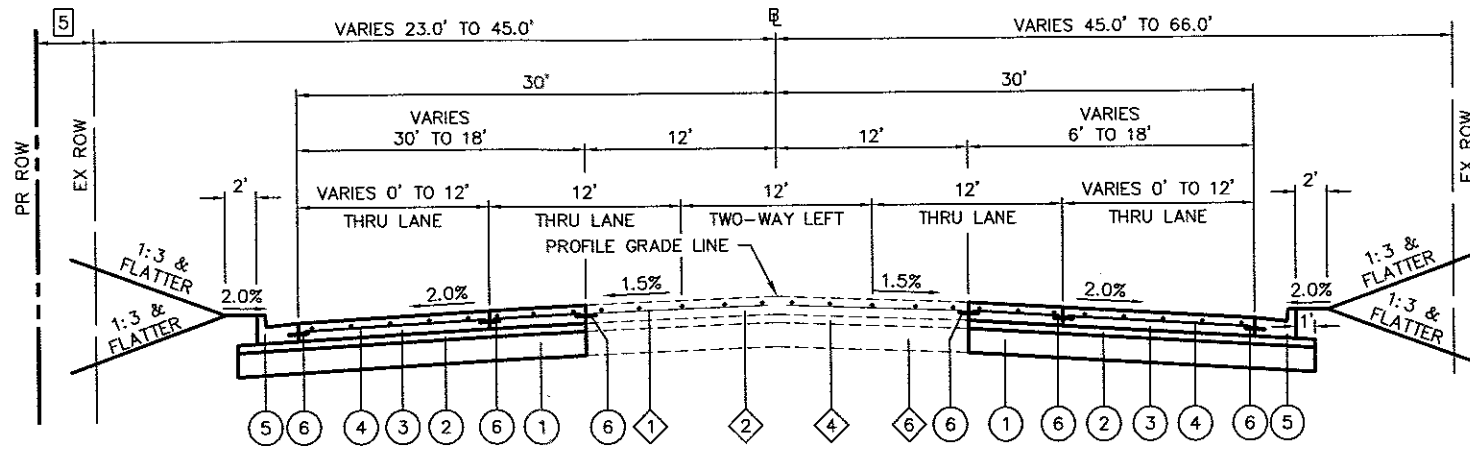


**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**TYPICAL SECTIONS - EXISTING**

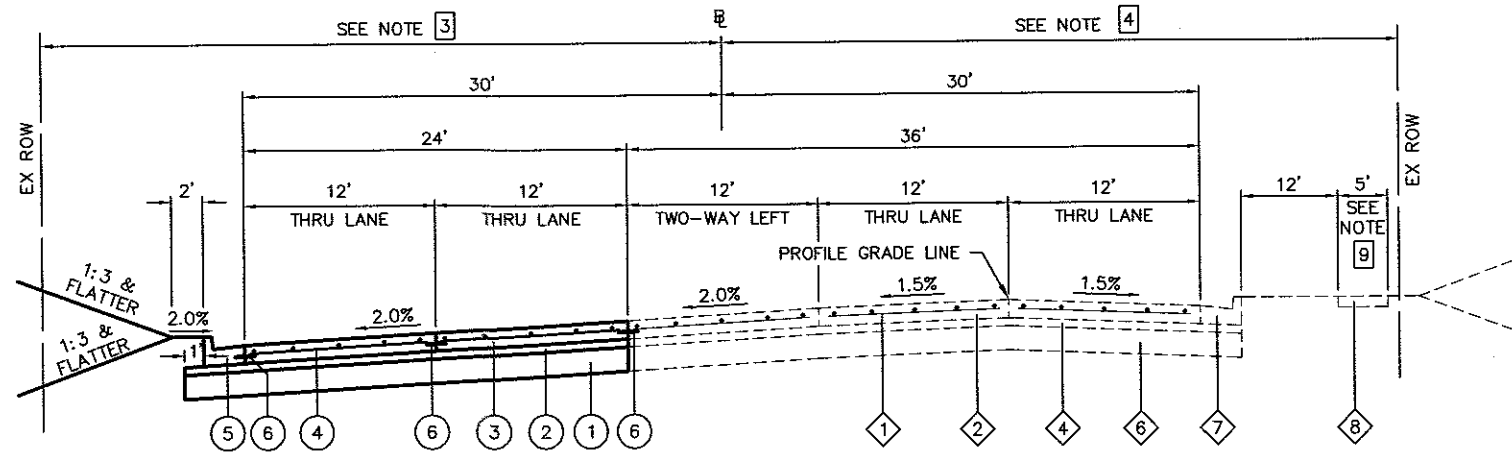
SCALE: SHEET NO. 1 OF 3 SHEETS STA. 7+41.11 TO STA. 49+73.39

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12-00301-14-PW	ST. CLAIR	93	6
CONTRACT NO. 97582				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



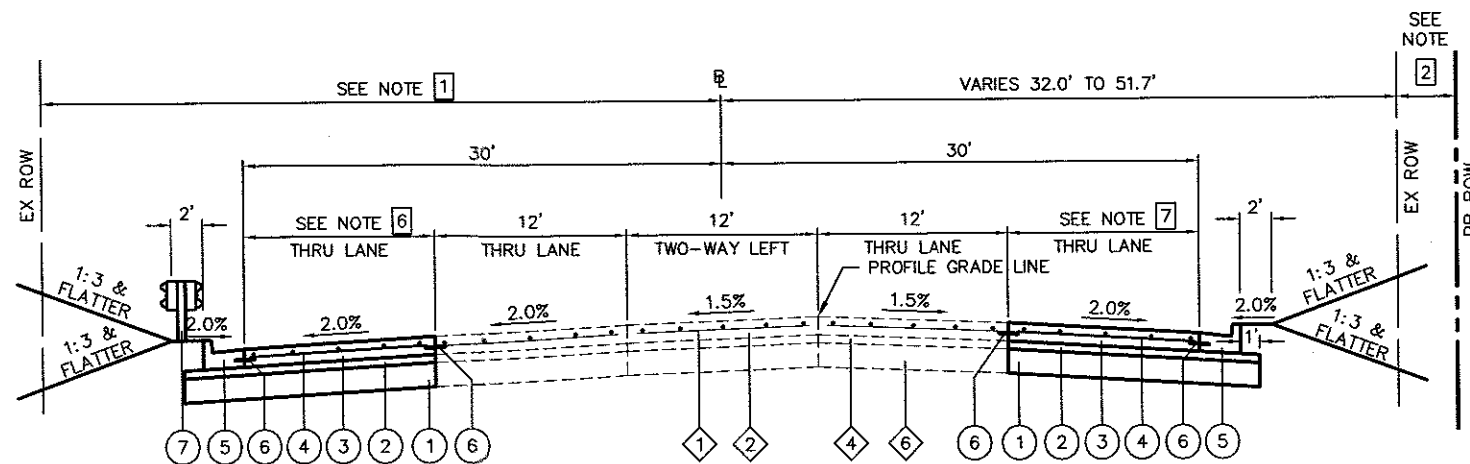
**PROPOSED TYPICAL SECTION**

STA. 27+99.81 TO STA. 33+28.83



**PROPOSED TYPICAL SECTION**

STA. 13+80.00 RT TO STA. 27+99.81 RT  
STA. 14+13.59 LT TO STA. 27+99.81 LT



**PROPOSED TYPICAL SECTION**

STA. 7+41.11 RT TO STA. 13+80.00 RT  
STA. 10+12.25 LT TO STA. 14+13.59 LT

**TYPICAL SECTION LEGEND**

- ① EXISTING PAVEMENT FABRIC
- ② EXISTING PC CONCRETE PAVEMENT, 9"
- ③ EXISTING PC CONCRETE PAVEMENT, 8"
- ④ EXISTING SUB-BASE GRANULAR MATERIAL, 4"
- ⑤ EXISTING MODIFIED SOILS, 16"
- ⑥ EXISTING MODIFIED SOILS, 12"
- ⑦ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑧ EXISTING PC CONCRETE SIDEWALK, 4"
- ① PROPOSED PROCESSING MODIFIED SOIL 12"
- ② PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 4"
- ③ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 9" WITH TYPE A FINAL FINISH
- ④ PROPOSED WELDED WIRE REINFORCEMENT
- ⑤ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ PROPOSED SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT, SEE HIGHWAY STANDARD 420001
- ⑦ PROPOSED GUARDRAIL

**NOTE:**

CONSTRUCT TRANSVERSE JOINTS IN PAVEMENT AND IN CURB AND GUTTER IN PROLONGATION WITH EXISTING TRANSVERSE JOINTS

- ① STA 11+00.00 TO 13+50.00 - VARIES 36.6' TO 49.2'  
STA 13+50.00 TO STA 14+13.59 - VARIES 49.2' TO 48.0'
- ② STA 7+41.11 TO STA 12+46.36 - VARIES 0' TO 11.4'
- ③ STA 14+13.59 TO STA 26+39.17 - 48.0'  
STA 26+39.17 TO STA 27+99.11 - VARIES 43.0' TO 55.0'
- ④ STA 14+13.59 TO STA 27+08.91 - 52.0'  
STA 27+08.91 TO STA 27+99.11 - VARIES 52.0' TO 62.0'
- ⑤ STA 27+99.81 TO STA 33+28.83 - VARIES 20.0' TO 0
- ⑥ STA 10+12.30 TO STA 10+55.85 - 0  
STA 10+55.85 TO STA 14+13.59 - 1' TO 24.0'
- ⑦ STA 7+41.10 TO STA 7+80.50 - 0  
STA 7+80.50 TO STA 13+80.00 - VARIES 1' TO 14.9'
- ⑧ STA 10+80.00 TO STA 12+00.00
- ⑨ STA 15+85.00 TO STA 22+44.00

FILE NAME = 14013 - TYPICAL SECTIONS.DWG



USER NAME =	SAM WRIGLEY	DESIGNED -	---	REVISED -	---
PLOT SCALE =	1" = 1'	DRAWN -	---	REVISED -	---
PLOT DATE =	2017-03-22	CHECKED -	---	REVISED -	---
		DATE -	---	REVISED -	---

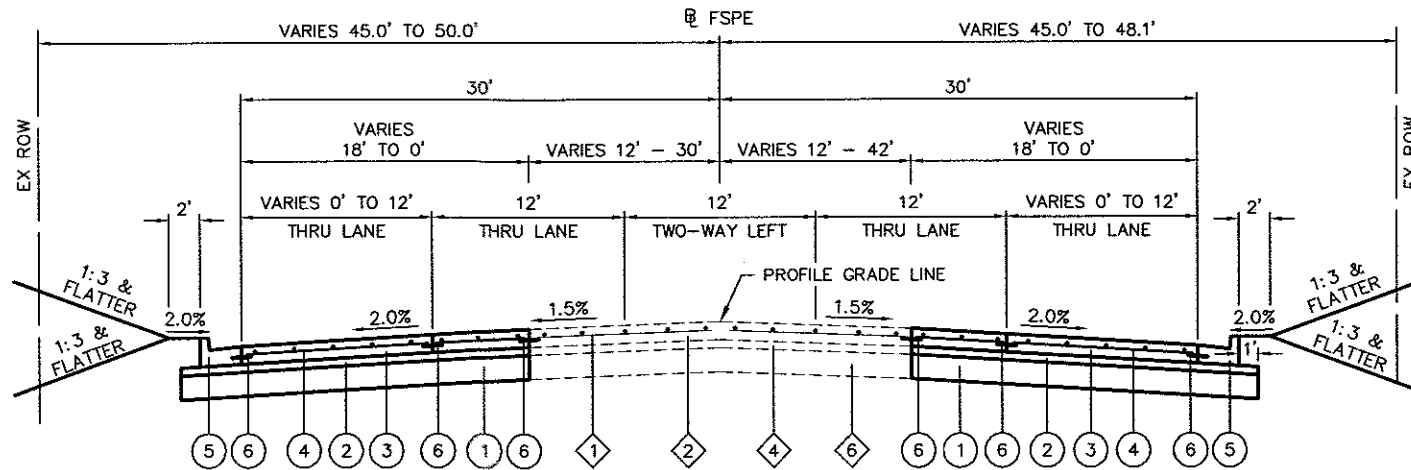


**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**TYPICAL SECTIONS - PROPOSED**

SCALE: SHEET NO. 2 OF 3 SHEETS STA. 7+41.11 TO STA. 33+28.83

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	7
FED. ROAD DIST. NO. ILLINOIS			CONTRACT NO. 97582	



**PROPOSED TYPICAL SECTION**

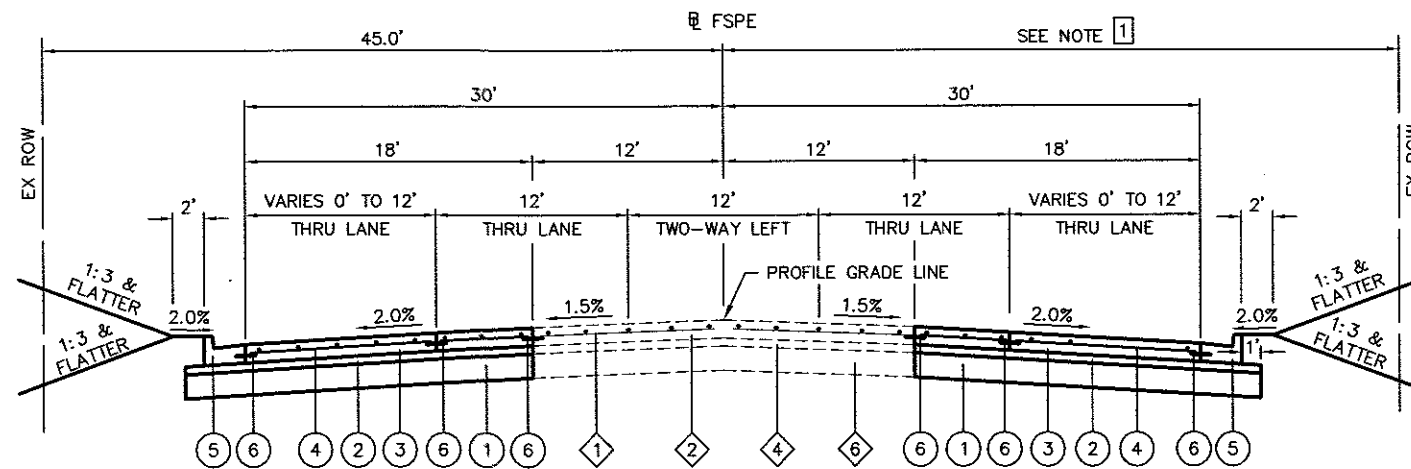
STA. 44+33.39 LT TO STA. 49+73.39 LT  
 STA. 45+10.82 RT TO STA. 47+80.66 RT

**TYPICAL SECTION LEGEND**

- ◇ 1 EXISTING PAVEMENT FABRIC
- ◇ 2 EXISTING PC CONCRETE PAVEMENT, 9"
- ◇ 3 EXISTING PC CONCRETE PAVEMENT, 8"
- ◇ 4 EXISTING SUB-BASE GRANULAR MATERIAL, 4"
- ◇ 5 EXISTING MODIFIED SOILS, 16"
- ◇ 6 EXISTING MODIFIED SOILS, 12"
- ◇ 7 EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ◇ 8 EXISTING PC CONCRETE SIDEWALK, 4"
- ① PROPOSED PROCESSING MODIFIED SOIL 12"
- ② PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 4"
- ③ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 9" WITH TYPE A FINAL FINISH
- ④ PROPOSED WELDED WIRE REINFORCEMENT
- ⑤ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ PROPOSED SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT, SEE HIGHWAY STANDARD 420001

**NOTE:**

CONSTRUCT TRANSVERSE JOINTS IN PAVEMENT AND IN CURB AND GUTTER IN PROLONGATION WITH EXISTING TRANSVERSE JOINTS



**PROPOSED TYPICAL SECTION**

STA. 33+28.83 LT TO STA. 44+33.39 LT  
 STA. 33+28.83 RT TO STA. 45+10.82 RT

- ① STA 33+28.83 TO STA 38+72.60 - 45.0'  
 STA 38+72.60 TO STA 42+24.50 - VARIES 155.3' TO 45.0'  
 STA 42+24.50 TO STA 45+10.82 - 45.0'

FILE NAME = 14013 - TYPICAL SECTIONS.DWG



USER NAME =	SAM WRIGLEY	DESIGNED -	---	REVISED -	---
PLOT SCALE =	1" = 1'	DRAWN -	---	REVISED -	---
PLOT DATE =	2017-03-22	CHECKED -	---	REVISED -	---
		DATE -	---	REVISED -	---



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

**TYPICAL SECTIONS - PROPOSED**

SCALE: SHEET NO. 3 OF 3 SHEETS STA. 33+28.83 TO STA. 49+73.39

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12-00301-14-PW	ST. CLAIR	93	8
FED. ROAD DIST. NO. ILLINOIS			CONTRACT NO. 97582	

**EROSION CONTROL**

STATION	STATION	OFFSET	EROS CONTR BLANKET (SY YD)	TEMP EROS CONTR SEED (NOTE 1) (POUND)	TEMP DITCH CHECKS (FOOT)	PERIMETER EROS BAR (FOOT)	INLET & PIPE PROTECTION (EACH)
7+40	47+80	LT&RT		350			
7+40	13+50	RT				183	12
7+42	9+25	RT					
10+58	20+00	LT					11
12+70	16+00	LT				340	
12+70	12+94	RT				105	
17+50	19+55	LT	249		30		
20+00	26+50	LT					8
20+16	22+60	LT				340	
22+86	26+25	LT					
26+50	30+00	LT					7
28+00	29+30	LT			20		
28+00	30+62	RT	286			265	
28+00	41+60	RT					18
30+00	32+50	LT					3
30+48	30+67	LT			30		
30+60	30+90	LT				30	
30+65	30+95	RT				30	
30+80	31+00	LT			40		
30+90	31+50	RT			30		
31+00	31+50	LT			10		
32+50	41+50	LT					10
33+50	34+70	LT				125	
34+15	38+00	RT	322				
34+50	35+50	RT			10		
35+10	37+75	LT				270	
35+50	36+00	RT			10		
36+00	38+00	RT			20		
41+50	49+00	LT					7
41+60	47+80	RT					6
<b>TOTAL</b>			857	350	200	1688	82

**EROSION CONTROL NOTES:**  
 1. 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.

**SEEDING**

STATION	STATION	OFFSET	SEEDING CL 2 (ACRE)	NITROGEN FERT NUTR (POUND)	PHOSPHORUS FERT NUTR (POUND)	POTASSIUM FERT NUTR (POUND)	MULCH METHOD 2 (ACRE)
7+40	47+82	RT	0.75	72	72	72	0.75
10+12	49+74	LT	1.00	88	88	88	1.00
<b>TOTAL</b>			1.75	160	160	160	1.8

**PAVEMENT**

STATION	STATION	OFFSET	PROCESS MOD SOIL 12 (SQ YD)	LIME (TON)	SUB GRAN MAT A 4 (SQ YD)	AGG BASE CSE A 8 (SQ YD)	HMA SC "C" N70 (NOTE 1) (TON)	INCIDENTAL HMA SURF (TON)	WELDED WIRE REINF (SQ YD)	PCC PVT 9 (SQ YD)	PROTECTIVE COAT (SQ YD)	PAVEMENT REM (SQ YD)	PAVED SHLD REMOVAL (SQ YD)	CL B PATCH T1 9 (SQ YD)	CL B PATCH T2 9 (SQ YD)	SAWCUTS (FOOT)
7+41	8+44	RT													11	104
7+41	13+80	RT	799	15.4	799				541	541	541					
8+44	8+53	RT												3		15
9+28	9+37													3		15
10+12	49+73	LT	9,910	190.9	9,910				8,773	8,773	8,773					
10+54	10+63	RT												3		15
10+55	10+6	LT												2		11
10+80	11+45	LT										10				
13+45	13+62	RT												2		11
26+35	26+89	LT				69						51				
28+00	47+80	RT	4,114	79.2	4,114				3,554	3,554	3,554					
28+00	45+10	RT														
31+93	32+79	LT					218					291				
41+00	41+74	LT														202
41+33	42+18	RT														194
<b>TOTAL</b>			14,823	285.5	14,823	701	218	94	12,868	12,868	12,868	748	652	13	11	171

**PAVEMENT NOTES:**  
 1. APPLICATION RATES USED FOR QUANTITY ESTIMATES ARE AS FOLLOWS:  
 HOT-MIX ASPHALT: 112 LB / SQ YD / IN THICKNESS

**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 A 6 (SQ YD)	PCC DRIVEWAY PAVT 6 (NOTE 2) (SQ YD)	PCC DRIVEWAY PAVT 8 (NOTE 2) (SQ YD)	DRIVEWAY PAVEMENT REM (SQ YD)
9+96	RT	P.E.	16	6	AGG			14		31
11+05	RT	C.E.	30	6	AGG		9		23	46
12+12	RT	C.E.	18	10	CONC					31
12+83	RT	C.E.	24	90	EARTH				251	
15+61	LT	P.E.	12	6	EARTH				11	
19+94	LT	C.E.	24	25	ASPH				95	155
22+73	LT	F.E.	24	6	EARTH			19		25
29+90	LT	C.E.	36	28	ASPH				120	335
32+06	RT	P.E.	24	6	AGG	13		19		
34+92	LT	C.E.	24	20	ASPH				71	122
37+91	LT	F.E.	24	6	EARTH			20		
38+19	RT	F.E.	24	6	EARTH			20		
<b>TOTAL</b>						13	9	103	560	745

**ENTRANCE NOTES:**  
 1. PRIOR TO CONSTRUCTION, THE ENGINEER WILL CONTACT EACH PROPERTY OWNER AND VERIFY THE LOCATION AND WIDTH OF ALL ENTRANCES. THE CONTRACTOR SHALL CONFIRM THE FINAL LOCATIONS AND WIDTHS WITH THE ENGINEER PRIOR TO CONSTRUCTION. SEE CONSTRUCTION DETAILS SHEET FOR ENTRANCE DETAILS.  
 2. DEPRESSED CURB AND GUTTER THROUGH ENTRANCES SHALL BE MEASURED FOR PAYMENT AS COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24.

**CURB & GUTTER**

STATION	STATION	OFFSET	COMB CURB GUTTER REM (FOOT)	CONC CURB TB (FOOT)	COMB CC&G TB6.24 (FOOT)
7+40	13+82	RT	640		640
10+12	19+80	LT	982		980
10+80	11+48	LT		68	
20+07	26+50	LT	668		663
26+75	28+00	LT	135		
26+75	29+64	LT			314
28+00	41+67	RT			1,400
30+00	32+31	LT			277
31+94	32+30	LT	78		
32+62	34+78	LT			250
32+64	32+67	LT	58		
35+06	41+17	LT			642
41+44	49+74	LT			852
41+95	47+81	RT			617
45+65	47+80	RT	214		
45+93	49+74	LT	380		
<b>TOTAL</b>			3,155	68	6,635

FILE NAME: 14013 - SCHEDULES.DWG

<b>OATES ASSOCIATES</b> Consulting Engineers www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = SAM WRIGLEY PLOT SCALE = 1" = 1' PLOT DATE = 2017-03-23	DESIGNED - _____ DRAWN - _____ CHECKED - _____ DATE - _____	REVISED - _____ REVISED - _____ REVISED - _____ REVISED - _____	<b>ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES</b>	<b>SCHEDULES</b>		F.A.U. RTE. 9330 SECTION 12 - 00301 - 14 - PW COUNTY ST. CLAIR TOTAL SHEETS 93 SHEET NO. 9 CONTRACT NO. 97582
	SCALE: _____ SHEET NO. 1 OF 7 SHEETS STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____   ILLINOIS   FED. AID PROJECT					

**PAVEMENT MARKING**

STATION	STATION	OFFSET	COMMENT	SHORT TERM PAVT MKING (NOTE 2)  (FOOT)	SHRT TRM MK REM (NOTE 2)  (SQ FT)	TEMP PVT MK LINE 4  (FOOT)	PT PVT MK LTRS & SYMB  (SQ FT)	PAINT PVT MK LINE 4  (FOOT)	PAINT PVT MK LINE 12  (FOOT)	RAISED REFL PAVT MKR  (EACH)	RAISED REF PVT MK REM  (EACH)	PAVMT MRKG REM WTR BL  (SQ FT)	TEMP PAVT MKING REMOV  (SQ FT)
<b>STAGE 1</b>													
7+41	49+81	CL	BI-DIRECTIONAL ARROWS									250	
7+41	8+95	LT	LANE LINE - WHITE SKIP DASH			39							
7+41	12+19	LT	LANE LINE - DOUBLE YELLOW			956							
7+41	12+19	RT	LANE LINE - DOUBLE YELLOW			956							
7+41	24+76	LT&RT	TURN LANE - YELLOW SOLID									578	
7+41	24+76	LT&RT	TURN LANE - YELLOW SKIP DASH							90		145	
7+41	24+76	RT	TURN LANE - YELLOW SOLID									578	
7+41	24+76	RT	TURN LANE - YELLOW SKIP DASH									145	
9+29	50+95	LT	LANE LINE - WHITE SOLID			4166							
12+19	45+11	LT	LANE LINE - DOUBLE YELLOW			6584							
24+76	28+00	LT&RT	CHEVRONS							20		60	
24+76	28+00	RT&CL	DOUBLE YELLOW									432	
24+95	45+50	LT	LANE LINE - SOLID WHITE									595	
24+95	45+11	RT	LANE LINE - SOLID WHITE									646	
26+45	45+11	RT	LANE LINE - WHITE SOLID			1866							
28+00	31+15	RT	DOUBLE YELLOW							14		210	
31+15	44+56	RT&CL	CL - YELLOW SKIP DASH							20		112	
44+56	45+11	CL	DOUBLE YELLOW							3		37	
<b>STAGE 2</b>													
7+13	47+81	RT	LANE LINE - WHITE SOLID			4068							
7+41	8+95	LT	LANE LINE - WHITE SKIP DASH										13
7+41	10+00	RT	LANE LINE - DOUBLE YELLOW			518							
7+41	10+00	LT	LANE LINE - DOUBLE YELLOW			518							
7+41	12+19	LT	LANE LINE - DOUBLE YELLOW										319
7+41	12+19	RT	LANE LINE - DOUBLE YELLOW										319
9+29	50+95	LT	LANE LINE - WHITE SOLID										1389
10+00	46+77	LT	LANE LINE - DOUBLE YELLOW			7354							
12+19	45+11	RT	LANE LINE - DOUBLE YELLOW										2195
26+45	45+11	RT	LANE LINE - WHITE SOLID										622
46+77	48+11	LT	LANE LINE - DOUBLE YELLOW			268							
46+77	50+00	LT	LANE LINE - DOUBLE YELLOW			646							
45+11	50+00	LT & RT	DOUBLE YELLOW									326	
45+11	48+10	RT	DOUBLE YELLOW									199	
45+11	49+81	CL	CHEVRONS							26		63	
<b>SHORT TERM</b>													
7+41	49+73	LT	LANE LINE - WHITE SKIP DASH	424	141								
7+41	49+73	LT	TURN LANE - YELLOW SKIP DASH	172	57								
7+41	49+73	RT	TURN LANE - YELLOW SKIP DASH	172	57								
7+41	49+73	RT	LANE LINE - WHITE SKIP DASH	424	141								

CONTINUED ON SHEET NO. 11A

**SIGN**

STATION	OFFSET	TYPE	DESCRIPTION	SIZE  (FT X FT)	SIGN PANEL T1  (SQ FT)	METAL POST TY B  (FOOT)
9+50	RT	R3-9B	CENTER LANE	24X36	6	14
16+50	RT	R3-9B	CENTER LANE	24X36	6	14
16+50	LT	R3-9B	CENTER LANE	24X36	6	14
31+00	LT	R3-9B	CENTER LANE	24X36	6	14
33+50	RT	R3-9B	CENTER LANE	24X36	6	14
40+60	LT	R3-9B	CENTER LANE	24X36	6	14
43+00	RT	R3-9B	CENTER LANE	24X36	6	14
49+00	LT	R3-9B	CENTER LANE	24X36	6	14
<b>TOTAL:</b>					<b>48.0</b>	<b>112</b>

**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)
7+00	50+00	4,215	3,375	3,370	5
<b>TOTAL</b>		<b>4,215</b>	<b>3,375</b>	<b>3,370</b>	<b>5</b>

**EARTHWORK NOTES:**

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

FILE NAME = 14013 - SCHEDULES.DWG

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

USER NAME = SAM WRIGLEY	DESIGNED -	REVISED -
PLOT SCALE = 1" = 1'	DRAWN -	REVISED -
PLOT DATE = 2017-03-23	CHECKED -	REVISED -
	DATE -	REVISED -



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

<b>SCHEDULES</b>	
SCALE:	SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.U. RTE 9330	SECTION 12 - 00301 - 14 - PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 10
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 97582				

**PAVEMENT MARKING CONTINUED**

STATION	STATION	OFFSET	COMMENT	SHORT TERM PAVT MKING (NOTE 2)  (FOOT)	SHRT TRM MK REM (NOTE 2)  (SQ FT)	TEMP PVT MK LINE 4  (FOOT)	PT PVT MK LTRS & SYMB  (SQ FT)	PAINT PVT MK LINE 4  (FOOT)	PAINT PVT MK LINE 12  (FOOT)	RAISED REFL PAVT MKR  (EACH)	RAISED REF PVT MK REM  (EACH)	PAVMT MRKG REM WTR BL  (SQ FT)	TEMP PAVT MKING REMOV  (SQ FT)
FINAL PAVEMENT MARKINGS													
7+13	47+81	RT	LANE LINE - WHITE SOLID										1356
7+41	10+00	RT	LANE LINE - YELLOW SOLID										173
7+41	10+00	LT	LANE LINE - YELLOW SOLID										173
7+41	49+81	LT	LANE LINE - WHITE SKIP DASH					1060					
7+41	49+20	LT	TURN LANE LINE - YELLOW SOLID					4179					
7+41	49+20	LT	TURN LANE LINE - YELLOW SKIP DASH					1049					
7+41	49+20	RT	TURN LANE LINE - YELLOW SKIP DASH					1049					
7+41	49+20	RT	TURN LANE LINE - YELLOW SOLID					4179					
7+41	49+81	RT	LANE LINE - WHITE SKIP DASH					1060					
7+50	49+50	LT	TWO-WAY AMBER							106			
7+50	49+50	RT	TWO-WAY AMBER							106			
7+89	49+50	LT	ONE-WAY CRYSTAL							54			
7+89	49+50	RT	ONE-WAY CRYSTAL							54			
8+00		CL	BI-DIRECTIONAL ARROWS				31.2						
10+00	46+77	LT	LANE LINE - YELLOW SOLID										2451
10+50		CL	BI-DIRECTIONAL ARROWS				31.2						
13+00		CL	BI-DIRECTIONAL ARROWS				31.2						
15+50		CL	BI-DIRECTIONAL ARROWS				31.2						
18+00		CL	BI-DIRECTIONAL ARROWS				31.2						
20+50		CL	BI-DIRECTIONAL ARROWS				31.2						
23+00		CL	BI-DIRECTIONAL ARROWS				31.2						
25+50		CL	BI-DIRECTIONAL ARROWS				31.2						
26+49	26+62	LT	STOP BAR - WHITE SOLID										
28+00		CL	BI-DIRECTIONAL ARROWS				31.2						
29+64	29+89	LT	STOP BAR - WHITE SOLID						25				
29+77	29+77	LT	SOLID WHITE					3					
29+89	29+89	LT	SOLID WHITE					3					
30+50		CL	BI-DIRECTIONAL ARROWS				31.2						
32+16	32+32	LT	STOP BAR - WHITE SOLID										
33+00		CL	BI-DIRECTIONAL ARROWS				31.2						
35+50		CL	BI-DIRECTIONAL ARROWS				31.2						
38+00		CL	BI-DIRECTIONAL ARROWS				31.2						
40+50		CL	BI-DIRECTIONAL ARROWS				31.2						
41+19	41+33	LT	STOP BAR - WHITE SOLID										
41+76	41+92	RT	STOP BAR - WHITE SOLID										
43+00		CL	BI-DIRECTIONAL ARROWS				31.2						
45+50		CL	BI-DIRECTIONAL ARROWS				31.2						
46+77	48+11	RT	LANE LINE - YELLOW SOLID										89
46+77	50+00	LT	LANE LINE - YELLOW SOLID										215
47+80	49+80	RT	LANE LINE - WHITE SKIP DASH							12		67	
47+80	49+80	RT	LT TURN SKID LINE - WHITE					50				17	
48+00		CL	BI-DIRECTIONAL ARROWS				31.2						
48+10	50+00	RT	DOUBLE YELLOW									127	
49+20	49+80	LT	TURN LANE LINE - DOUBLE YELLOW					120					
<b>TOTAL</b>				<b>1,192</b>	<b>397</b>	<b>27,939</b>	<b>530.4</b>	<b>12,752</b>	<b>25</b>	<b>320</b>	<b>185</b>	<b>4,584</b>	<b>9,313</b>

PAVEMENT MARKING NOTES:

- SEE HIGHWAY STANDARD 780001 FOR PAVEMENT MARKING DETAILS.
- SHORT TERM PAVEMENT MARKING TO BE USED AFTER COMPLETION OF PHASE 2, PRIOR TO FINAL PAVEMENT MARKING APPLICATIONS.

FILE NAME = 14013 - SCHEDULES.DWG

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

USER NAME =	SAM WRIGLEY	DESIGNED -	---	REVISED -	---
		DRAWN -	---	REVISED -	---
PLOT SCALE =	1" = 1'	CHECKED -	---	REVISED -	---
PLOT DATE =	2017-03-23	DATE -	---	REVISED -	---



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

<b>SCHEDULES</b>			
SCALE:	SHEET NO. 3 OF 7 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	11
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 97582				



**STORM SEWER**

STATION	OFFSET	STATION	OFFSET	TRENCH BACKFILL	STONE RIPRAP CL A3	FILTER FABRIC	PRC FL END S EQ RS 31	CONCRETE COLLAR	REINFORCED CONCRETE PIPE TEE WITH 12" RISER		STORM SEWER, CLASS A						STORM SEWERS, WATER MAIN QUALITY PIPE		STORM SEWERS REMOVAL	
											TYPE 1			TYPE 1 EQRS			TYPE 1			
											12"	18"	(FOOT)	12"	15"	18"	24"	24"	30"	(FOOT)
7+38	RT	8+48	RT	15							110							110		
8+48	RT	8+48	RT	1				1			3									
8+48	RT	9+33	RT	10								85								
9+32	RT	9+32	RT	1							6									
9+32	RT	9+32	RT	1				1						8				5		
9+33	RT	9+39	RT	1									6						6	
9+39	RT	10+14	RT	9								75								
10+14	RT	10+58	RT	5								45								
10+14	RT	10+14	RT	1							6							5		
10+58	RT	10+58	RT	2				1			15									
10+58	RT	11+39	RT	11							82									
10+60	LT	10+60	LT					1			3									
11+39	RT	12+47	RT	1							109									
11+39	RT	11+39	RT	1							6							12		
12+50	RT	12+50	RT															13		
13+48	RT	13+48	RT					1			3									
13+50	LT	14+40	LT	14							91									
14+40	LT	15+35	LT	18							95									
15+35	LT	16+30	LT	18								95								
16+30	LT	17+70	LT	22									140							
17+70	LT	19+10	LT	22									140							
19+10	LT	19+15	LT	1									5							
19+15	LT	19+55	LT	6									40							
19+55	LT	22+10	LT	59									255							
19+55	LT	19+55	LT	1							7									
19+75	LT	19+75	LT	1						1	10									
20+12	LT	20+12	LT	1						1	10									
22+10	LT	23+50	LT	39										140						
22+10	LT	22+10	LT	1							7									
23+50	LT	24+45	LT	25										95						
24+45	LT	25+40	LT	25										95						
25+40	LT	26+30	LT	24										90						
26+30	LT	26+30	LT	1							7									
26+30	LT	26+95	LT	17										65						
26+95	LT	28+05	LT	29										110						
27+70	LT	28+15	LT															50		
28+05	LT	29+30	LT	33												126				
28+05	RT	29+30	RT	12							124									
29+30	LT	30+70	LT	36										141						
29+30	LT	29+30	LT	1							10									
29+30	RT	30+73	RT	24							143									
30+48	LT	30+67	LT		20	20														
30+62	RT	31+50	RT		82	82														
30+70	LT	30+75	LT				2											34		
30+76	LT	31+82	LT	26			2					105					16			
30+79	RT	31+82	RT	29										103						
30+80	LT	31+00	LT		18	18														
31+82	LT	33+15	LT	31								132								
31+82	RT	33+15	RT	27										134						

CONTINUED ON SHEET NO. 11C

FILE NAME = 14013 - SCHEDULES.DWG

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

USER NAME =	SAM WRIGLEY	DESIGNED -	---	REVISED -	---
DRAWN -	---	CHECKED -	---	REVISED -	---
PLOT SCALE =	1" = 1'	DATE -	---	REVISED -	---
PLOT DATE =	2017-03-23	DATE -	---	REVISED -	---



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

<b>SCHEDULES</b>			
SCALE:	SHEET NO. 4 OF 7 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	11A
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 97582				

**STORM SEWER CONTINUED**

STATION	OFFSET	STATION	OFFSET	TRENCH BACKFILL	STONE RIPRAP CL A3	FILTER FABRIC	PRC FL END S EQ RS 31	CONCRETE COLLAR	REINFORCED CONCRETE PIPE TEE WITH 12" RISER	STORM SEWER, CLASS A						STORM SEWERS, WATER MAIN QUALITY PIPE	STORM SEWERS REMOVAL		
										TYPE 1			TYPE 1 EQRS			TYPE 1			
										12"	18"	24"	12"	15"	18"	24"	30"	24"	12"
(EACH)	(EACH)	(FOOT)	(EACH)	(FOOT)	(EACH)	(FOOT)	(EACH)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)					
33+15	LT	34+50	LT	26							135								
33+15	RT	34+50	RT	28									.135						
34+50	LT	35+85	LT	23							135								
34+50	RT	35+85	RT	23								135							
34+50	RT	34+50	RT	1							10								
34+77	LT	34+77	LT	2					1		12								
35+07	LT	35+07	LT	1					1		12								
35+85	LT	37+20	LT	21							135								
35+85	RT	37+20	RT	23							135								
35+85	RT	35+85	RT	1							11								
37+20	RT	38+50	RT	20							130								
37+20	RT	37+20	RT	1							11								
38+50	RT	38+50	RT	1							12								
39+75	LT	40+75	LT	17							100								
39+75	RT	41+22	RT	32							147								
40+75	LT	41+14	LT	3							41								
41+08	LT	41+14	LT	1							32								
41+14	LT	41+62	LT	8								48							
41+22	RT	41+52	RT	4							34								
41+52	RT	42+00	RT	11							47								
41+52	RT	41+65	RT	8							47								
41+60	LT	41+62	LT	1							11								
42+00	RT	42+04	RT	1							6								
41+62	LT	43+00	LT	15								138							
42+00	RT	43+00	RT	8								102							
43+00	LT	44+50	LT	29								150							
43+00	RT	44+50	RT	35								150							
44+50	LT	46+00	LT	31									150						
44+50	RT	46+00	RT	35										150					
46+00	LT	47+50	LT	31											150				
46+00	RT	46+80	RT	21											80				
46+80	RT								1										
47+50	LT	49+00	LT	35											150				
47+72	RT	47+82	RT															14	
<b>TOTAL</b>				<b>1098</b>	<b>120</b>	<b>120</b>	<b>4</b>	<b>6</b>	<b>2</b>	<b>2</b>	<b>2050</b>	<b>1410</b>	<b>1391</b>	<b>833</b>	<b>8</b>	<b>50</b>	<b>126</b>	<b>195</b>	<b>6</b>

STORM SEWER NOTES:

FILE NAME = 14013 - SCHEDULES.DWG

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

USER NAME =	SAM WRIGLEY	DESIGNED -	---	REVISED -	---
PLOT SCALE =	1" = 1'	DRAWN -	---	REVISED -	---
PLOT DATE =	2017-03-23	CHECKED -	---	REVISED -	---
		DATE -	---	REVISED -	---

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

**SCHEDULES**

SCALE: SHEET NO. 5 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	116
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
		CONTRACT NO. 97582		

### MANHOLE & INLET SCHEDULE

STATION	OFFSET	MANHOLES		MANHOLES TO BE ADJUSTED	REMOVING MANHOLES	FRAMES & LIDS (SALVAGED)		INLETS									REMOVING INLETS	FILLING INLETS
		4' DIA				TYPE 3 FRAME & GRATE	TYPE 24 FRAME & GRATE	TYPE 3 FRAME & GRATE	TYPE 24 FRAME & GRATE	TYPE A			TYPE B			SPECIAL TYPE 3 FRAME & GRATE		
		TYPE 3 FRAME & GRATE	TYPE 24 FRAME & GRATE							TYPE 3 FRAME & GRATE	TYPE 8 GRATE	TYPE 24 FRAME & GRATE	SPECIAL FRAME & GRATE	W/SALVAGED T3 FRAME & GRATE	W/SALVAGED T24 FRAME & GRATE			
(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	
8+48	RT					1						1						
8+48	RT																1	
9+33	RT	1																
9+33	RT								1									
9+34	RT					1											2	
9+39	RT					1						1						1
10+13	RT																	1
10+14	RT								1									
10+14	RT					1						1						
10+57	LT						1										1	
10+58	RT					1						1					1	
11+39	RT					1						1						1
11+39	RT								1									
12+24	LT			1														
12+45	RT																1	
12+47	RT								1									
12+50	RT				1													
12+50	RT																1	
13+48	RT											1					1	
13+50	LT						1			1								1
14+40	LT												1					
14+90	LT						1											1
15+35	LT												1					
16+30	LT						1						1					1
17+70	LT						1						1					1
19+10	LT					1						1						1
19+15	LT					1						1					1	
19+55	LT								1									
19+55	LT						1						1					2
19+76	LT							1										
20+13	LT							1										
22+10	LT								1									
22+10	LT						1						1					2
23+50	LT		1															
23+63	LT						1											1
24+45	LT		1															
25+19	LT						1											1
25+40	LT		1															
26+30	LT		1															
26+30	LT								1									
26+35	LT						1										1	1
26+95	LT		1															
27+70	LT						1											1
28+05	LT		1															
28+05	RT								1									
29+30	LT		1															
29+30	LT								1									
29+30	RT												1					
30+73	LT																2	

CONTINUED ON SHEET NO. 11E

FILE NAME = 14013 - SCHEDULES.DWG

**OATES ASSOCIATES**  
 Consulting Engineers  
 www.oatesassociates.com  
 ILLINOIS DESIGN FIRM LICENSE NO.: 164.001115

USER NAME =	SAM WRIGLEY	DESIGNED -	---	REVISED -	---
DRAWN -	---	REVISIONS -	---	---	---
PLOT SCALE =	1" = 1'	CHECKED -	---	REVISED -	---
PLOT DATE =	2017-03-23	DATE -	---	---	---



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

<b>SCHEDULES</b>			
SCALE:	SHEET NO. 6 OF 7 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12-00301-14-PW	ST. CLAIR	93	11c
FED. ROAD DIST. NO.			CONTRACT NO. 97582	

**MANHOLE & INLET SCHEDULE CONTINUED**

STATION	OFFSET	MANHOLES		MANHOLES TO BE ADJUSTED	REMOVING MANHOLES	FRAMES & LIDS (SALVAGED)		INLETS								REMOVING INLETS	FILLING INLETS			
		4' DIA				TYPE 3 FRAME & GRATE	TYPE 24 FRAME & GRATE	TYPE 3 FRAME & GRATE	TYPE 24 FRAME & GRATE	TYPE A				TYPE B				SPECIAL TYPE 3 FRAME & GRATE		
		TYPE 3 FRAME & GRATE	TYPE 24 FRAME & GRATE							TYPE 3 FRAME & GRATE	TYPE 8 GRATE	TYPE 24 FRAME & GRATE	SPECIAL FRAME & GRATE	W/SALVAGED T3 FRAME & GRATE	W/SALVAGED T24 FRAME & GRATE				TYPE 3 FRAME & GRATE	TYPE 24 FRAME & GRATE
(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)			
30+77	RT															2				
31+82	RT		1																	
31+82	LT											1								
33+15	RT		1																	
33+15	LT											1								
34+50	LT											1								
34+50	RT									1		1								
34+77	LT							1												
35+07	LT							1												
35+85	LT											1								
35+85	RT									1										
37+20	LT									1										
37+20	RT									1					1					
38+50	RT									1					1					
39+75	LT									1										
39+75	RT									1										
40+75	LT														1					
41+09	LT								1											
41+14	LT	1																		
41+22	RT														1					
41+53	RT	1																		
41+61	LT								1											
41+62	LT	1																		
41+65	RT								1											
42+00	RT	1																		
42+04	RT								1											
43+00	LT														1					
43+00	RT														1					
44+50	LT														1					
44+50	RT														1					
46+00	LT														1					
46+00	RT														1					
47+50	LT														1					
<b>TOTAL</b>		<b>5</b>	<b>9</b>	<b>1</b>	<b>1</b>	<b>8</b>	<b>12</b>	<b>4</b>	<b>12</b>	<b>5</b>	<b>4</b>	<b>8</b>	<b>12</b>	<b>0</b>	<b>11</b>	<b>4</b>	<b>10</b>	<b>16</b>		

STORM SEWER NOTES:

FILE NAME = 14013 - SCHEDULES.DWG

**DATES ASSOCIATES**  
 Consulting Engineers  
 www.datesassociates.com  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

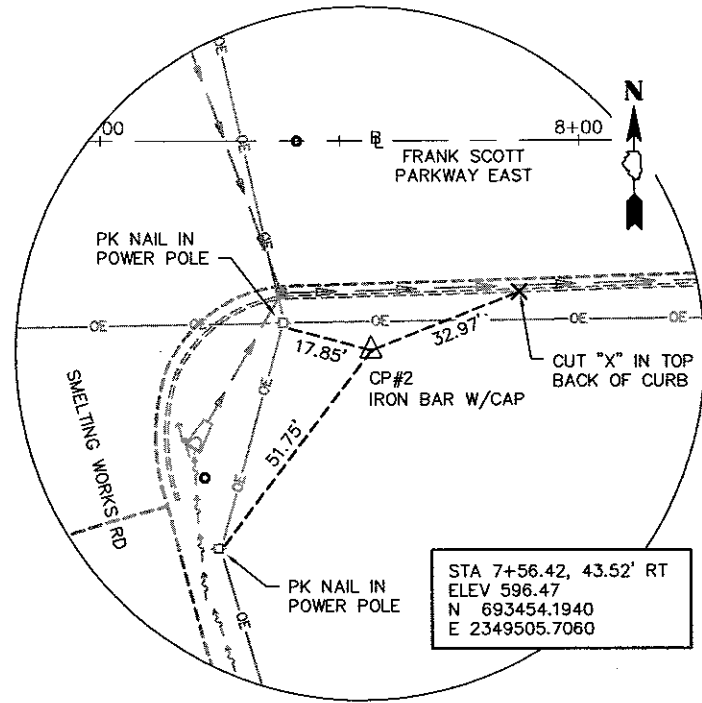
USER NAME = SAM WRIGLEY	DESIGNED -	REVISIONS -
PLOT SCALE = 1' = 1'	DRAWN -	REVISIONS -
PLOT DATE = 2017-03-23	CHECKED -	REVISIONS -
	DATE -	REVISIONS -



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

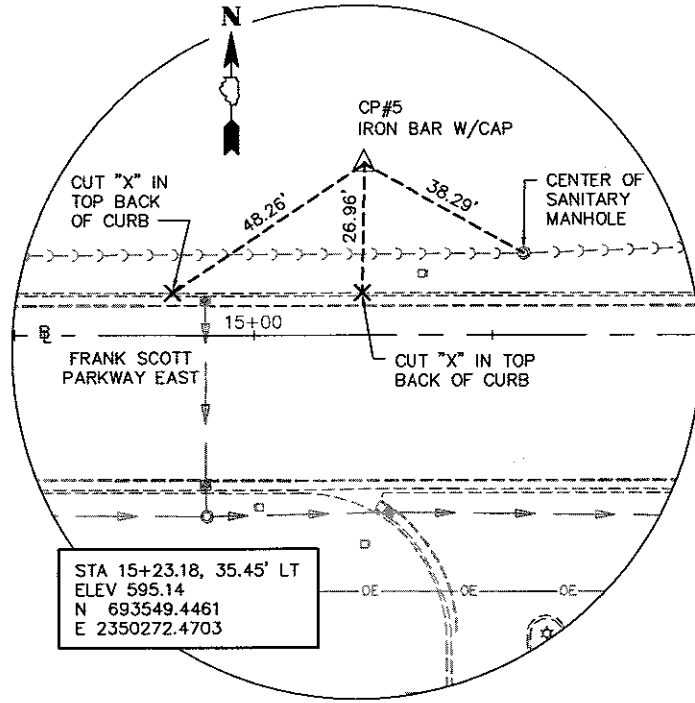
<b>SCHEDULES</b>	
SCALE:	SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	116
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
		CONTRACT NO. 97582		



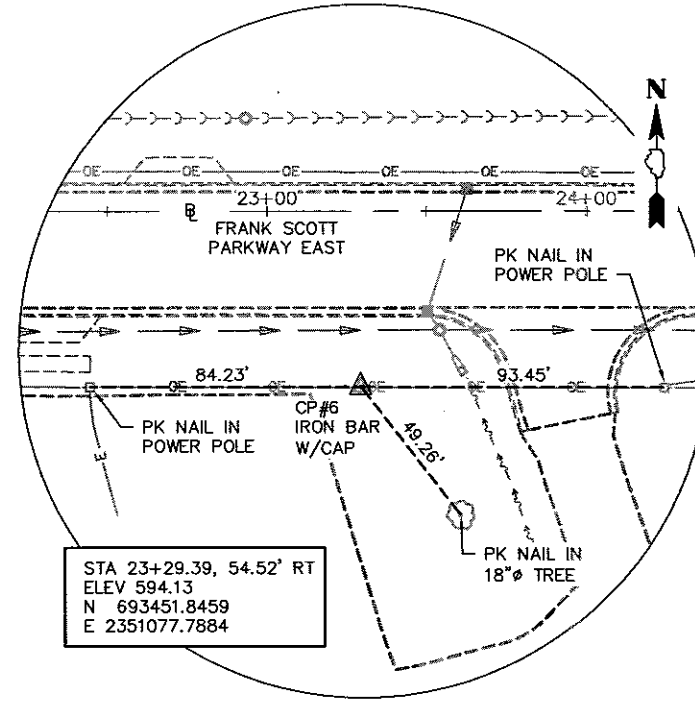
**CONTROL POINT #2**

SCALE: 1" = 20'



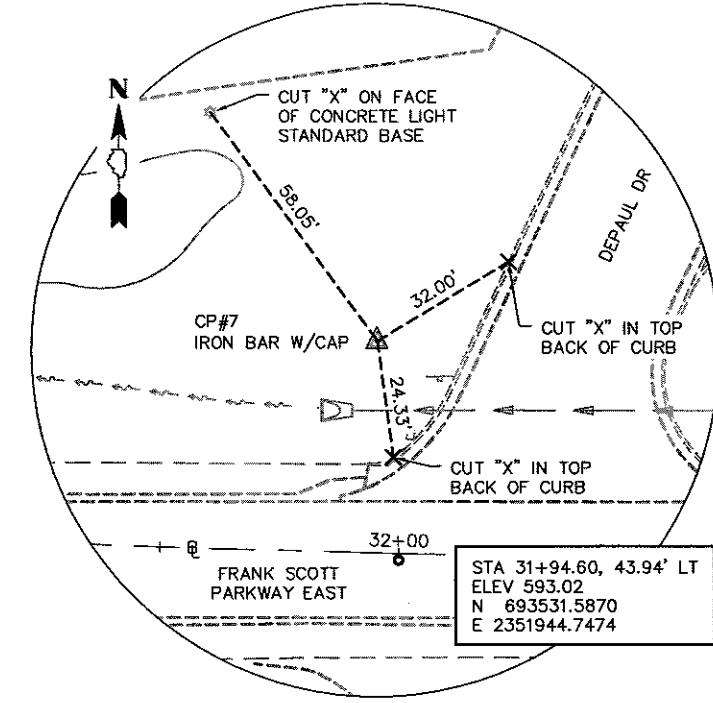
**CONTROL POINT #5**

SCALE: 1" = 20'



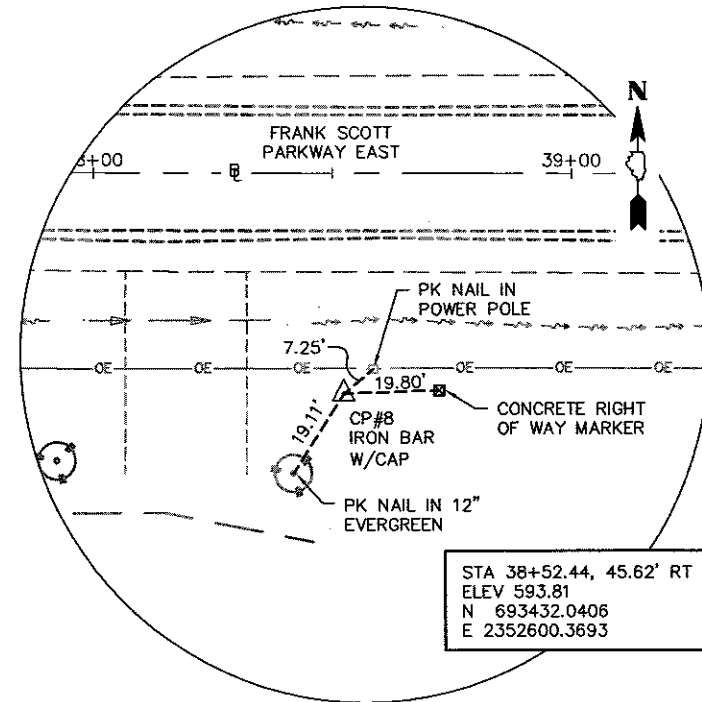
**CONTROL POINT #6**

SCALE: 1" = 30'



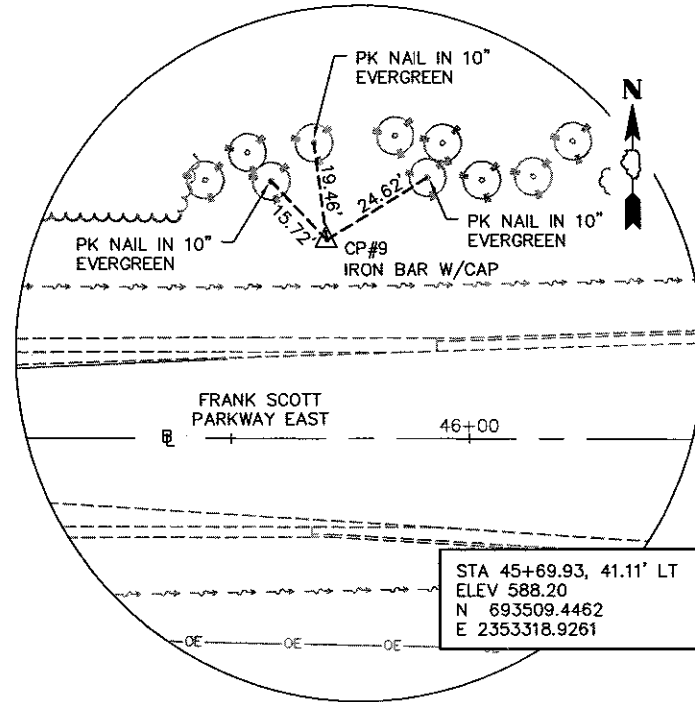
**CONTROL POINT #7**

SCALE: 1" = 20'



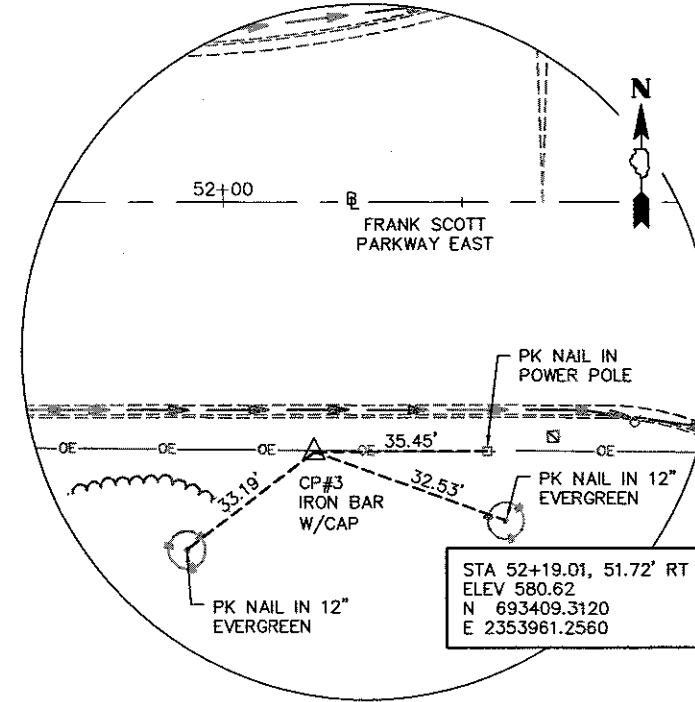
**CONTROL POINT #8**

SCALE: 1" = 20'



**CONTROL POINT #9**

SCALE: 1" = 20'



**CONTROL POINT #3**

SCALE: 1" = 20'

FILE NAME = 14013 - ALIGNMENT TIES.DWG

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

USER NAME =	SAM WRIGLEY	DESIGNED -	---	REVISED -	---
PLOT SCALE =	1" = 1'	DRAWN -	---	REVISED -	---
PLOT DATE =	2017-03-22	CHECKED -	---	REVISED -	---
DATE =	---	DATE -	---	REVISED -	---



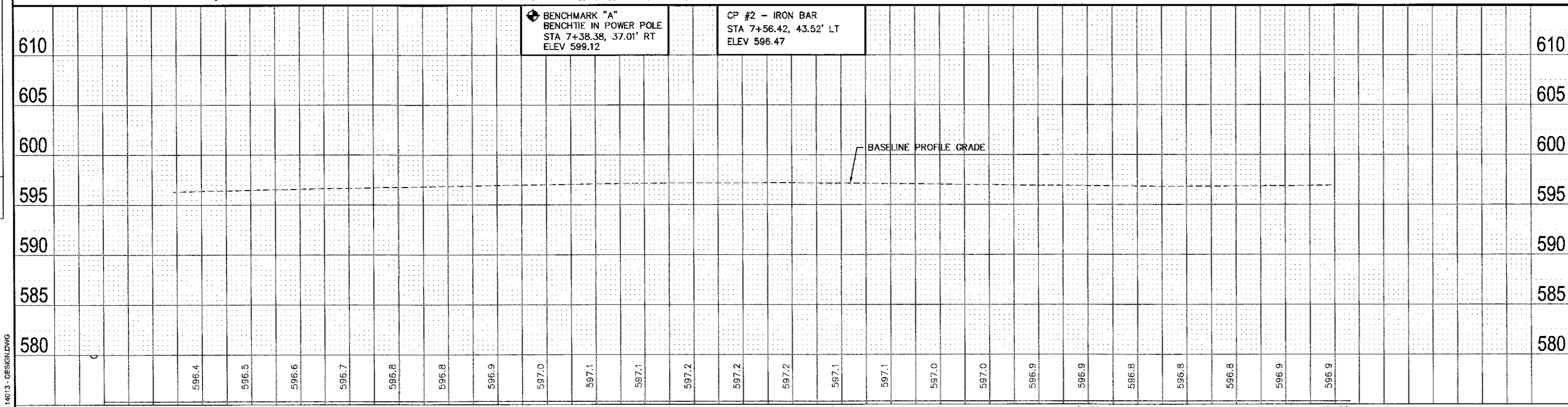
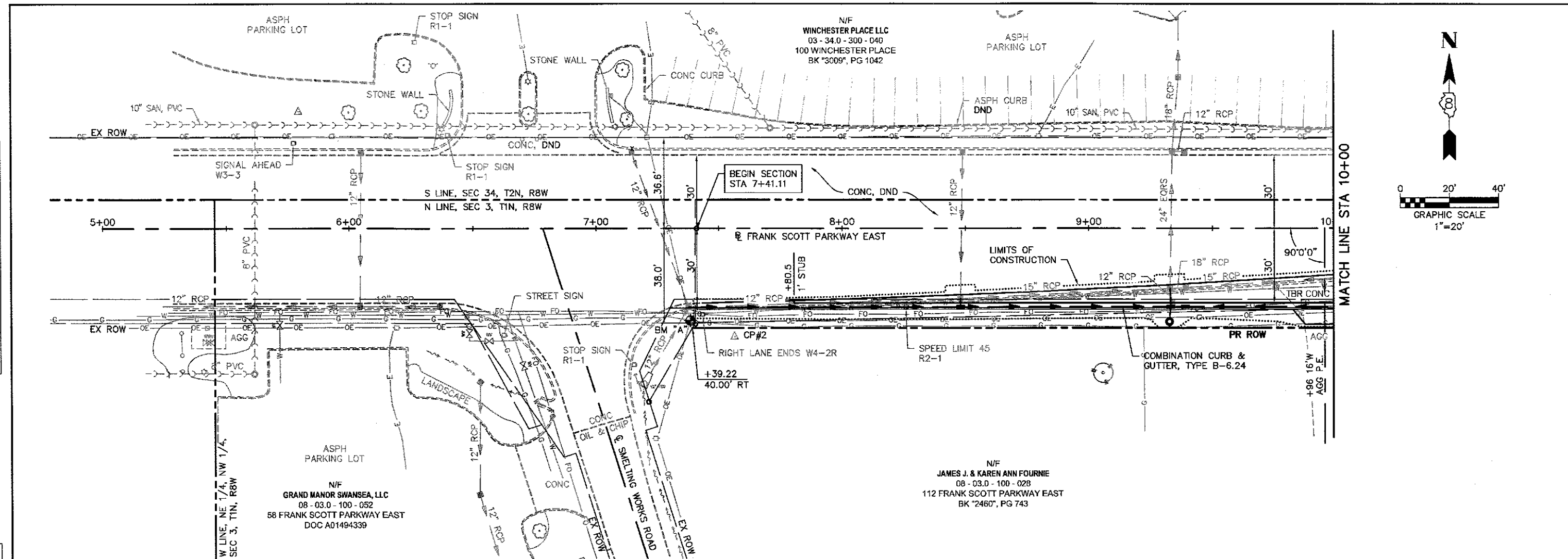
**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

CONTROL POINT TIES				
SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12-00301-14-PW	ST. CLAIR	93	12
CONTRACT NO. 97582				

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	



BENCHMARK "A"  
 BENCHTIE IN POWER POLE  
 STA 7+38.38, 37.01' RT  
 ELEV 599.12

CP #2 - IRON BAR  
 STA 7+56.42, 43.52' LT  
 ELEV 596.47

FILE NAME = 14013 - DESIGN.DWG

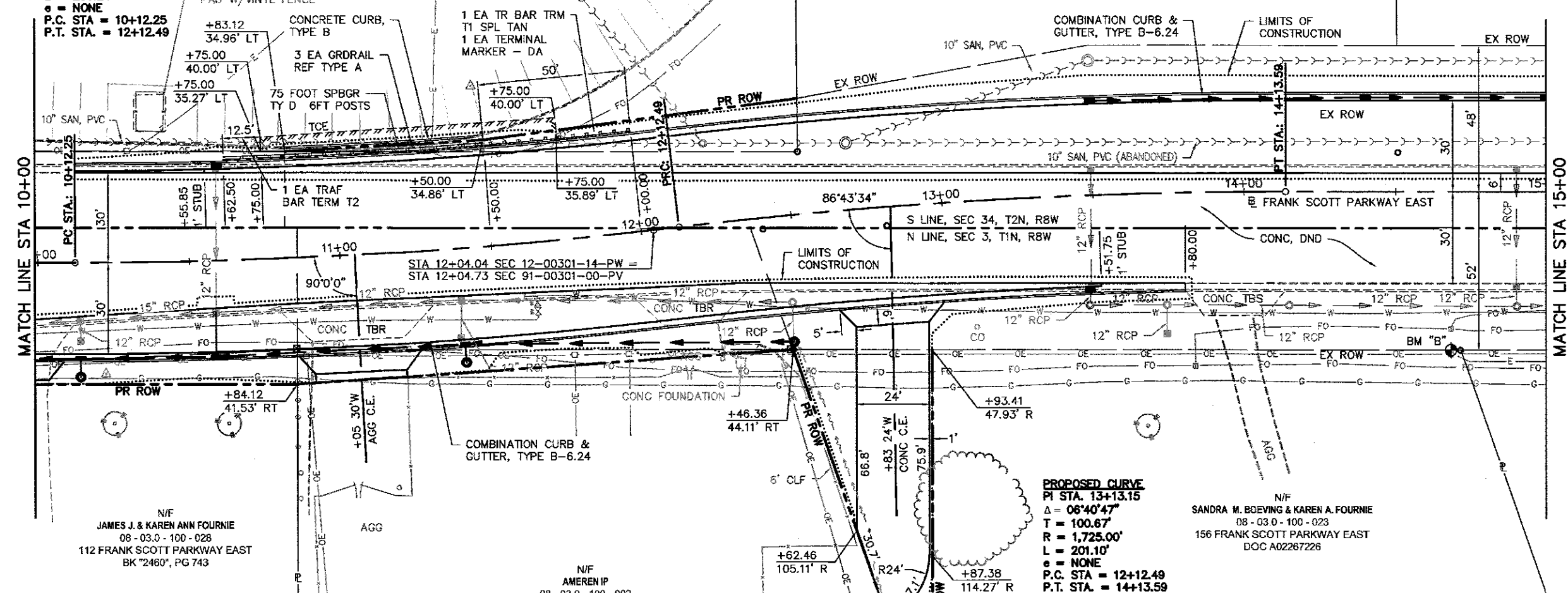
<b>OATES ASSOCIATES</b> Consulting Engineers www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = SAM WRIGLEY PLOT SCALE = 1" = 1' PLOT DATE = 2017-03-22	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<b>ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES</b>	<b>PLAN &amp; PROFILE SHEETS</b> SCALE: 1" = 20'    SHEET NO. 1 OF 10 SHEETS    STA. 5+00 TO STA. 10+00			F.A.U. RTE. 9330 SECTION 12 - 00331 - 14 - PW COUNTY ST. CLAIR TOTAL SHEETS 93 SHEETS NO. 13 CONTRACT NO. 97582
	ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115							FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT

**PROPOSED CURVE**  
 PI STA. 11+12.48  
 Δ = 06°39'03"  
 T = 100.23'  
 R = 1,725.00'  
 L = 200.24'  
 e = NONE  
 P.C. STA = 10+12.25  
 P.T. STA = 12+12.49

N/F  
 WINCHESTER PLACE LLC  
 03 - 34.0 - 300 - 040  
 100 WINCHESTER PLACE  
 BK "3009", PG 1042

N/F  
 LAKEVIEW MEMORIAL GARDENS, INC.  
 03 - 34.0 - 300 - 030  
 5000 NORTH ILLINOIS ST.  
 BK "3084", PG 1446

N/F  
 LAKEVIEW MEMORIAL GARDENS, INC.  
 03 - 34.0 - 300 - 013  
 225 FRANK SCOTT PARKWAY  
 BK "3089", PG 1448



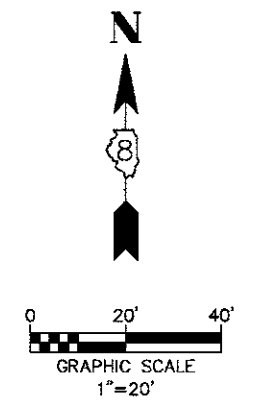
N/F  
 JAMES J. & KAREN ANN FOURNIE  
 08 - 03.0 - 100 - 028  
 112 FRANK SCOTT PARKWAY EAST  
 BK "2460", PG 743

N/F  
 AMEREN IP  
 08 - 03.0 - 100 - 002  
 124 FRANK SCOTT PARKWAY EAST  
 BK "1356", PG 241

N/F  
 SANDRA M. BOEVING & KAREN A. FOURNIE  
 08 - 03.0 - 100 - 023  
 156 FRANK SCOTT PARKWAY EAST  
 DOC A02267226

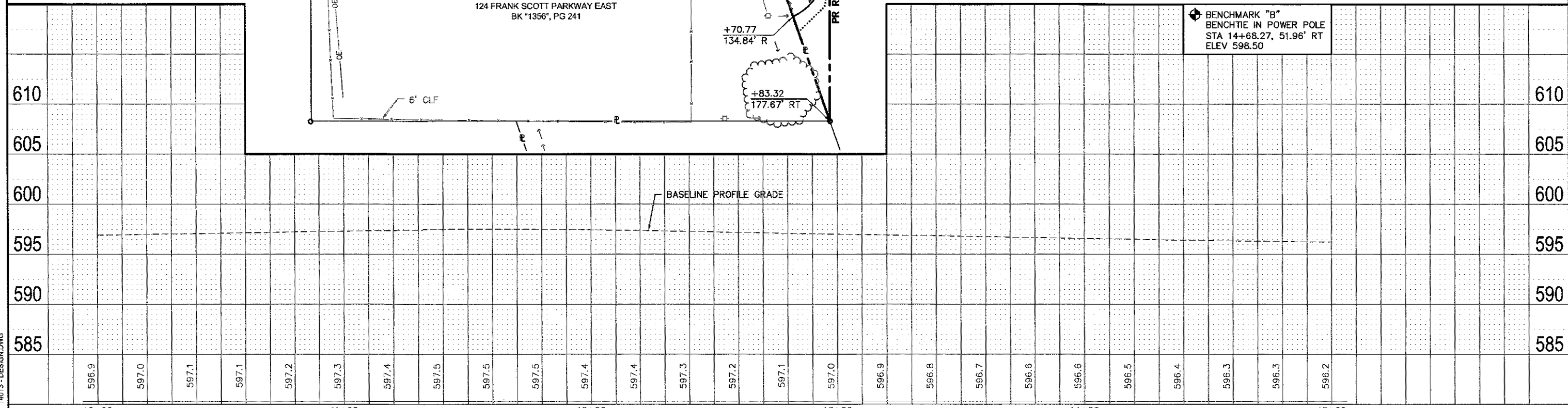
**PROPOSED CURVE**  
 PI STA. 13+13.15  
 Δ = 06°40'47"  
 T = 100.67'  
 R = 1,725.00'  
 L = 201.10'  
 e = NONE  
 P.C. STA = 12+12.49  
 P.T. STA = 14+13.59

⊕ BENCHMARK "B"  
 BENCHTIE IN POWER POLE  
 STA 14+68.27, 51.96' RT  
 ELEV 598.50



DATE	
BY	
REVISION	
NO.	
DESCRIPTION	

DATE	
BY	
REVISION	
NO.	
DESCRIPTION	



10+00	11+00	12+00	13+00	14+00	15+00
596.9	597.0	597.1	597.1	597.2	597.3
597.4	597.5	597.5	597.5	597.4	597.4
597.3	597.2	597.1	597.0	596.9	596.8
596.7	596.6	596.6	596.5	596.4	596.3
596.3	596.3	596.2			

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

USER NAME = SAM WRIGLEY	DESIGNED -	REVISED -
PLOT SCALE = 1" = 1'	DRAWN -	REVISED -
PLOT DATE = 2017-03-22	CHECKED -	REVISED -
	DATE -	REVISED -

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

**PLAN & PROFILE SHEETS**  
 SCALE: 1" = 20'  
 SHEET NO. 2 OF 10 SHEETS  
 STA. 10+00 TO STA. 15+00

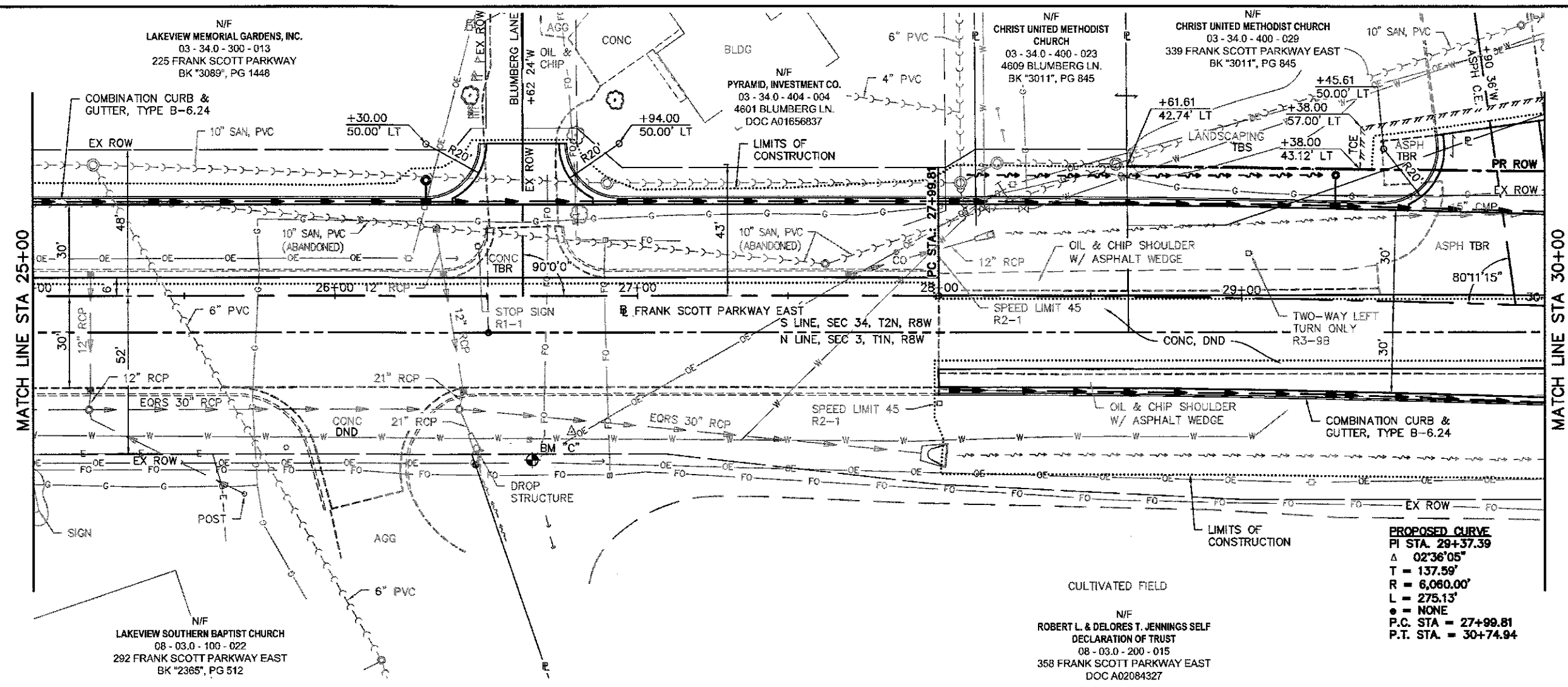
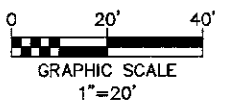
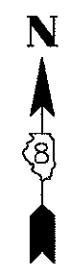
FAU RTE. 9330	SECTION 12-00331-14-PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 14
CONTRACT NO. 97582			ILLINOIS FED. AID PROJECT	





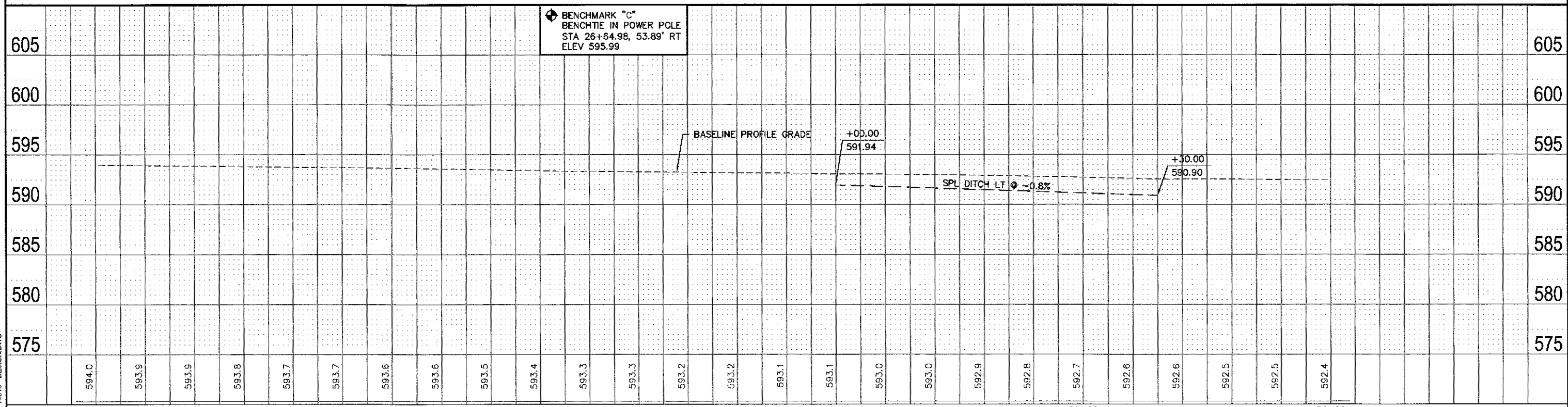


NOTE: SEE COMMITMENT NO. 1 ON SHEET 2 REGARDING PROPOSED ENTRANCE AT STA 29+90 LEFT



DATE	
BY	
SURVEYED	
ALIGNED	
RT. OF WAY CHECKED	
NOTE BOOK NO.	
PLAN NO.	

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

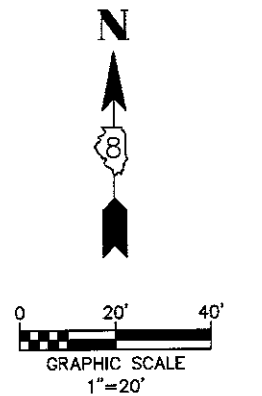
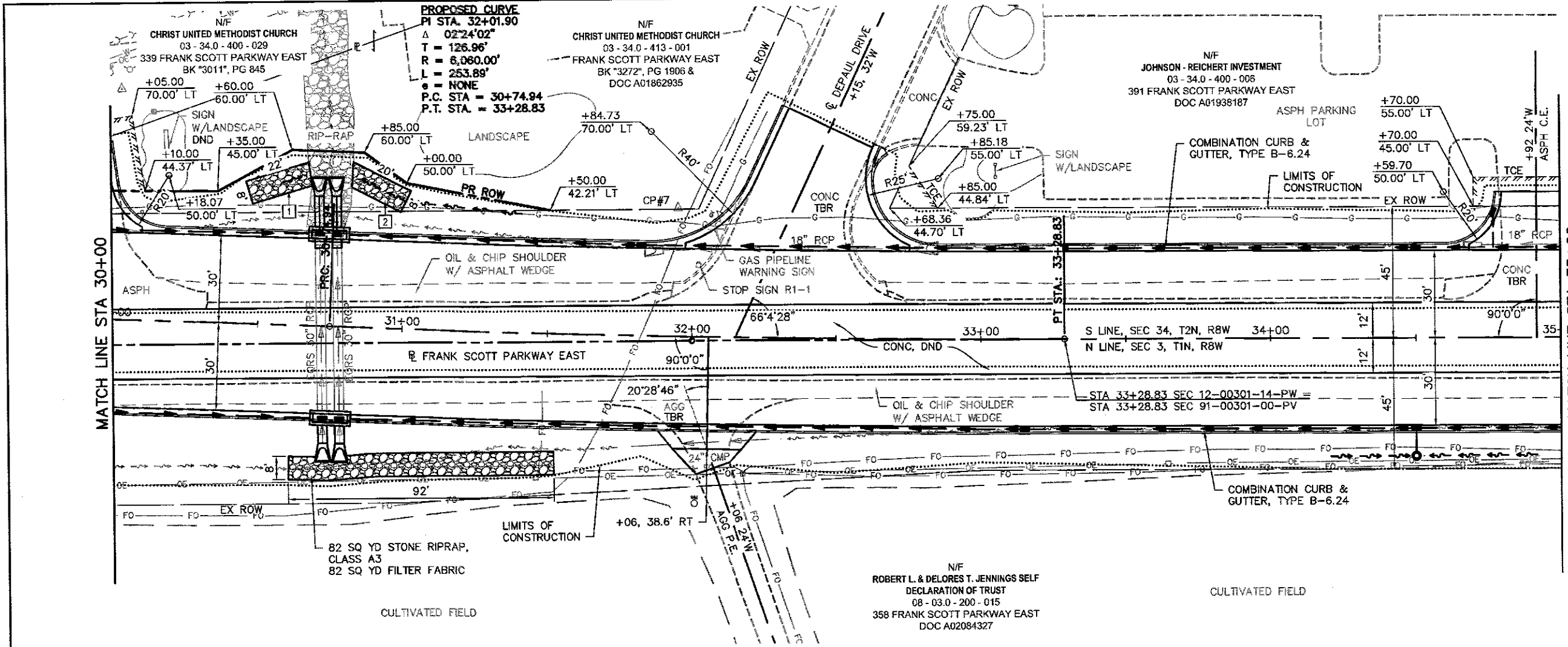


FILE NAME = 14013 - DESIGN.DWG

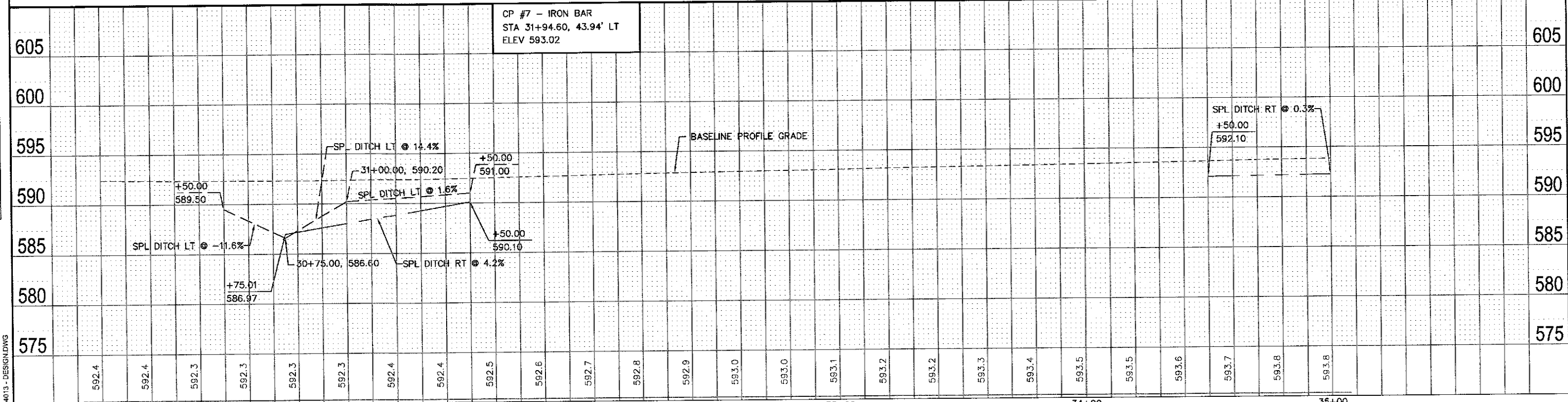
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25+00				26+00						27+00					28+00					29+00					30+00
		USER NAME = SAM WRIGLEY	DESIGNED -	REVISED -											PLAN & PROFILE SHEETS					FAU. RTE. 9330	SECTION 12-00331-14-PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 17	
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115		PLOT SCALE = 1" = 1'	CHECKED -	REVISED -	SCALE: 1" = 20'										SHEET NO. 5 OF 10 SHEETS					STA. 25+00 TO STA. 30+00		CONTRACT NO. 97582		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	



- 1 20 SQ YD STONE RIPRAP, CLASS A3  
20 SQ YD FILTER FABRIC
- 2 18 SQ YD STONE RIPRAP, CLASS A3  
18 SQ YD FILTER FABRIC



FILE NAME = 14013 - DESIGN.DWG	DATE	BY	REVISIONS	NO.	DATE	BY	REVISIONS	NO.	
<b>DATES ASSOCIATES</b> Consulting Engineers www.datesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = SAM WRIGLEY	DESIGNED -	REVISED -		<b>ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES</b>	<b>PLAN &amp; PROFILE SHEETS</b> SCALE: 1" = 20'    SHEET NO. 6 OF 10 SHEETS    STA. 30+00 TO STA. 35+00			F.A.U. RTE. 9330    SECTION 12 - 00301 - 14 - PW    COUNTY ST. CLAIR    TOTAL SHEETS 93    SHEET NO. 18
	PLOT SCALE = 1" = 1'	CHECKED -	REVISED -						CONTRACT NO. 97582
	PLOT DATE = 2017-03-22	DATE -	REVISED -			FED. ROAD DIST. NO.    ILLINOIS    FED. AID PROJECT			





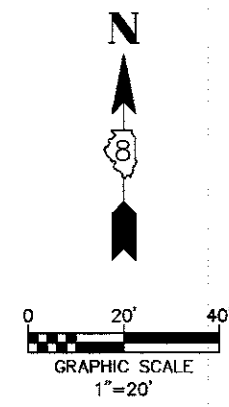
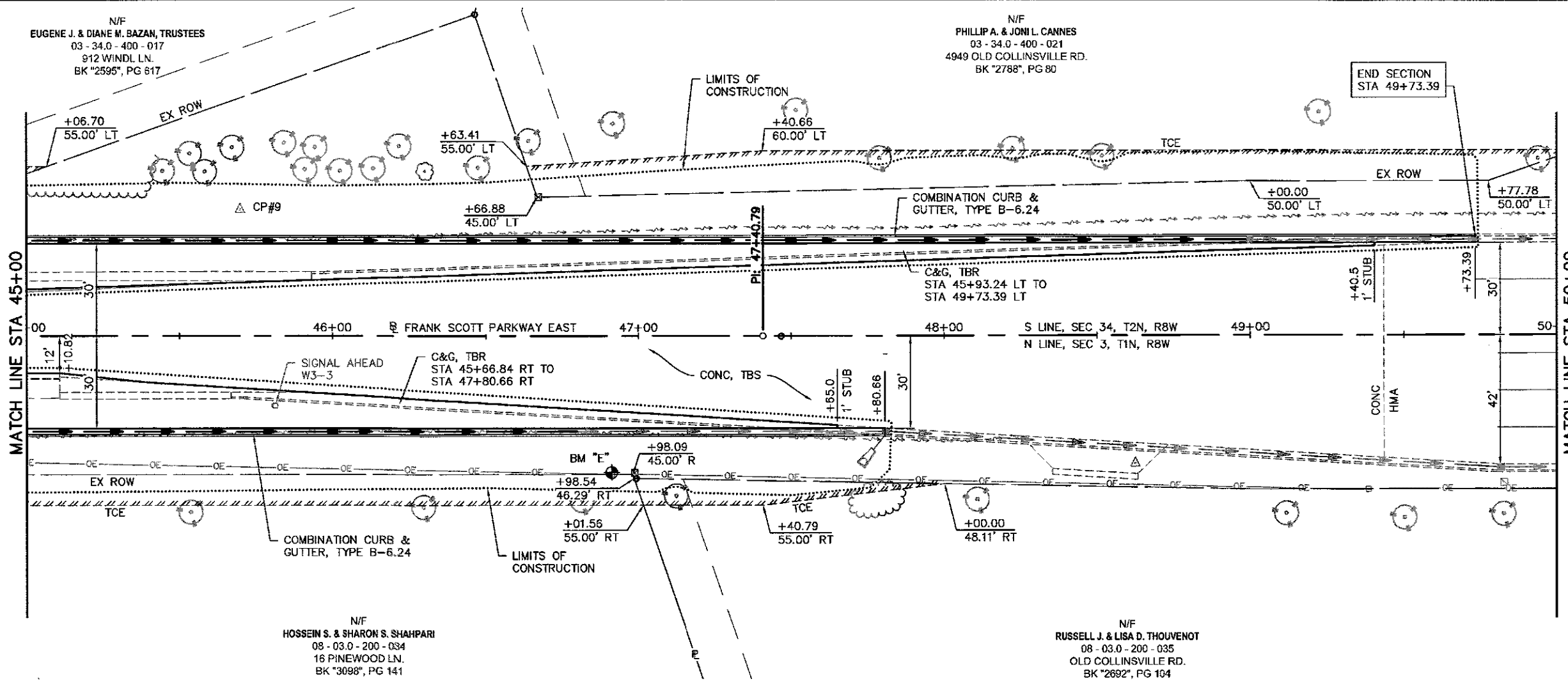


N/F  
EUGENE J. & DIANE M. BAZAN, TRUSTEES  
03 - 34.0 - 400 - 017  
912 WINDL LN.  
BK "2595", PG 617

N/F  
PHILLIP A. & JONI L. CANNES  
03 - 34.0 - 400 - 021  
4949 OLD COLLINSVILLE RD.  
BK "2788", PG 80

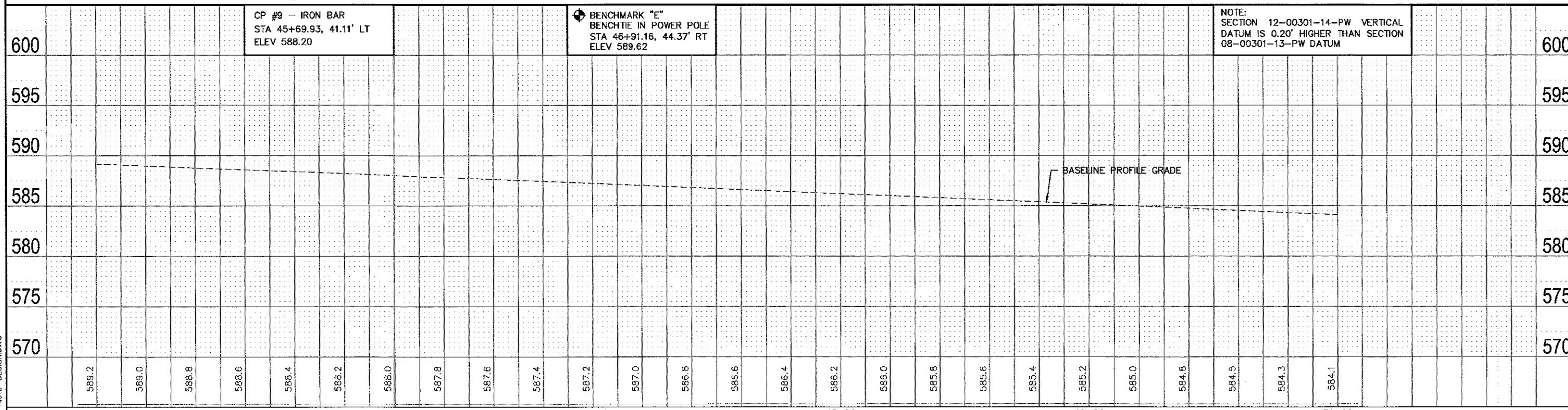
N/F  
HOSSEIN S. & SHARON S. SHAHPARI  
08 - 03.0 - 200 - 034  
16 PINEWOOD LN.  
BK "3098", PG 141

N/F  
RUSSELL J. & LISA D. THOUVENOT  
08 - 03.0 - 200 - 035  
OLD COLLINSVILLE RD.  
BK "2692", PG 104



DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	

DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	



CP #9 - IRON BAR  
STA 45+69.93, 41.11' LT  
ELEV 588.20

BENCHMARK "E"  
BENCHMARK IN POWER POLE  
STA 46+91.16, 44.37' RT  
ELEV 589.62

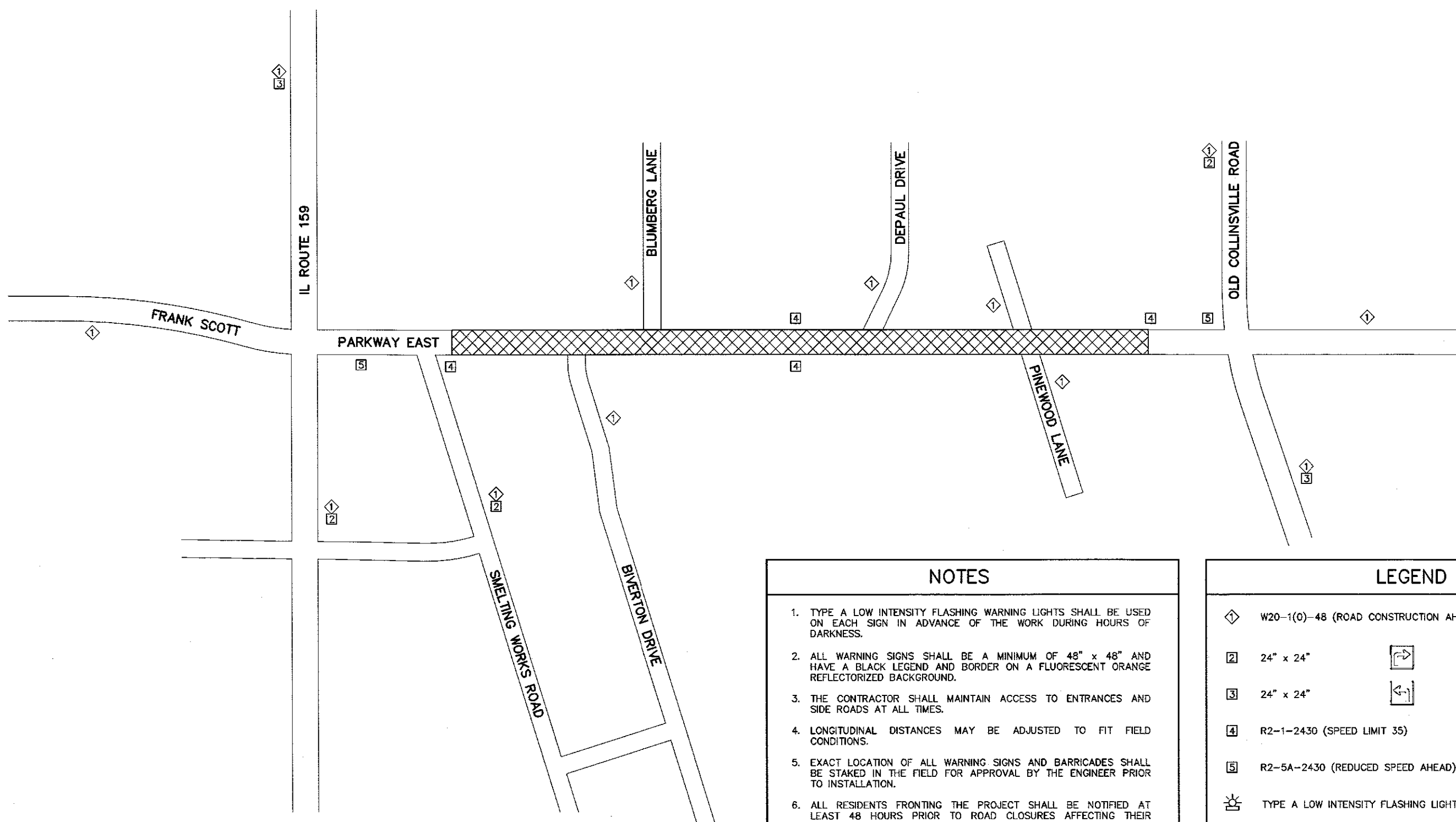
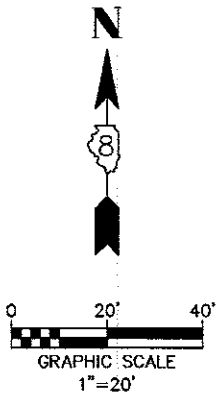
NOTE:  
SECTION 12-00301-14-PW VERTICAL  
DATUM IS 0.20' HIGHER THAN SECTION  
08-00301-13-PW DATUM

FILE NAME = 14013 - DESIGN.DWG

<b>OATES ASSOCIATES</b> Consulting Engineers www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = SAM WRIGLEY PLOT SCALE = 1" = 1' PLOT DATE = 2017-03-22	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<b>ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES</b>	<b>PLAN &amp; PROFILE SHEETS</b>		F.A.U. RTE. 9330 SECTION 12 - 00301 - 14 - PW COUNTY ST. CLAIR TOTAL SHEETS 93 SHEET NO. 21	CONTRACT NO. 97582
	SCALE: 1" = 20' SHEET NO. 9 OF 10 SHEETS STA. 45+00 TO STA. 50+00	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						





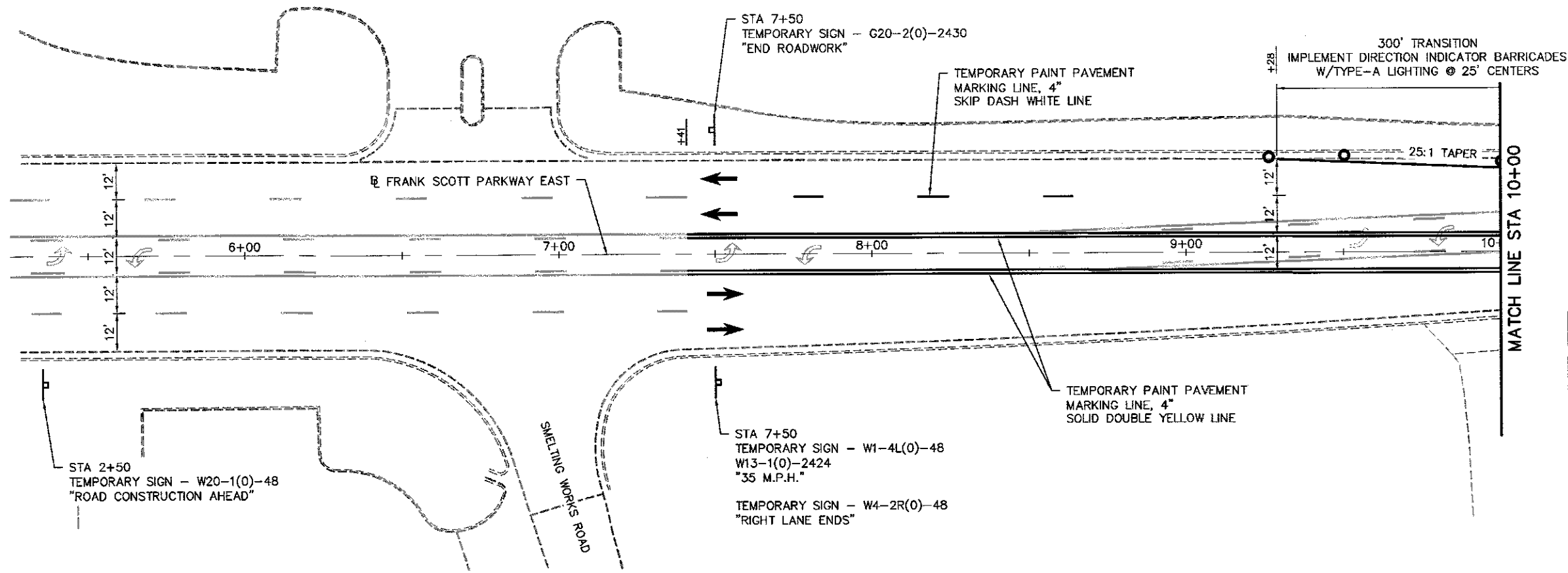


- ### NOTES
1. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
  2. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
  3. THE CONTRACTOR SHALL 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.

### LEGEND

<ul style="list-style-type: none"> <li> W20-1(0)-48 (ROAD CONSTRUCTION AHEAD)</li> <li> 24" x 24"</li> <li> 24" x 24"</li> <li> R2-1-2430 (SPEED LIMIT 35)</li> <li> R2-5A-2430 (REDUCED SPEED AHEAD)</li> <li> TYPE A LOW INTENSITY FLASHING LIGHT</li> <li> WORK ZONE</li> </ul>	 	 48" x 48" FLUORESCENT ORANGE
--	------	-------------------------------------

FILE NAME = 14013 - TRAFFIC CONTROL.DWG

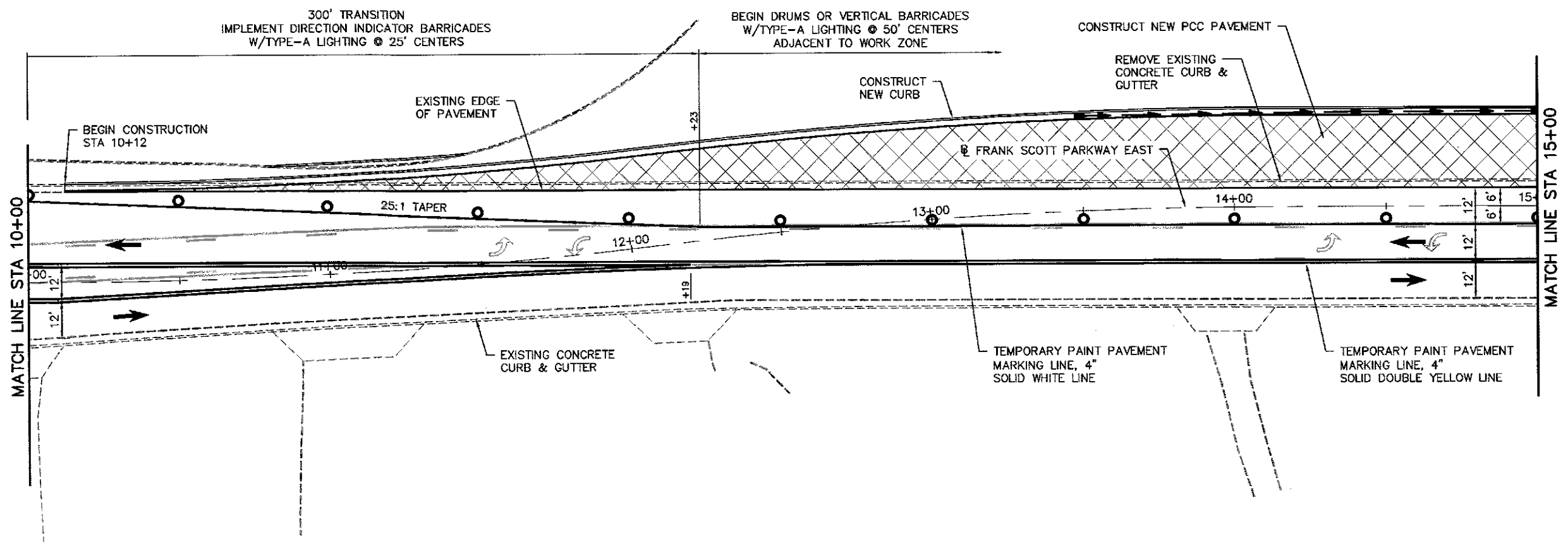


N

0 20' 40'

GRAPHIC SCALE  
1"=20'

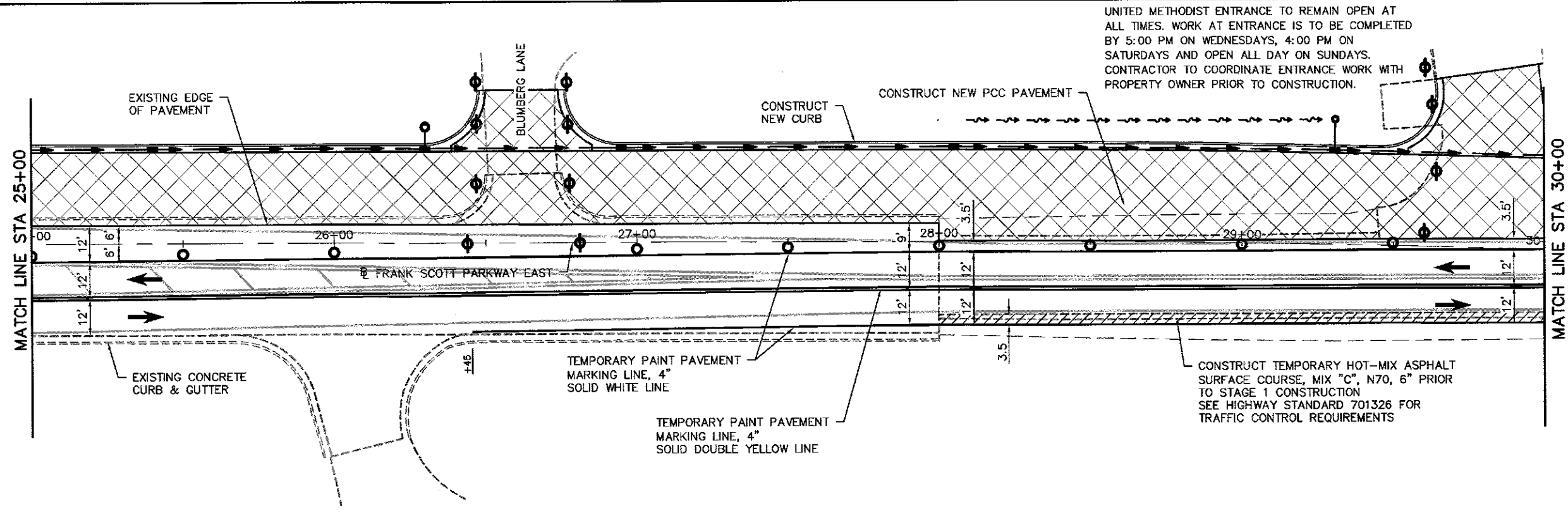
- TEMPORARY WIDENING
- NEW PCC PAVEMENT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/FLASHING LIGHT



FILE NAME = 14013 - TRAFFIC CONTROL.DWG

<p><b>OATES ASSOCIATES</b> Consulting Engineers www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115</p>	USER NAME = SAM WRIGLEY	DESIGNED -	REVISED -	<p><b>ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES</b></p>	<b>STAGING PLAN - STAGE 1</b>			F.A.U. RTE. 9330	SECTION 12 - 00301 - 14 - PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 24
	PLOT SCALE = 1" = 1'	CHECKED -	REVISED -		SCALE: SHEET NO. 1 OF 5 SHEETS STA. 5+00 TO STA. 15+00			CONTRACT NO. 97582				
	PLOT DATE = 2017-03-22	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				





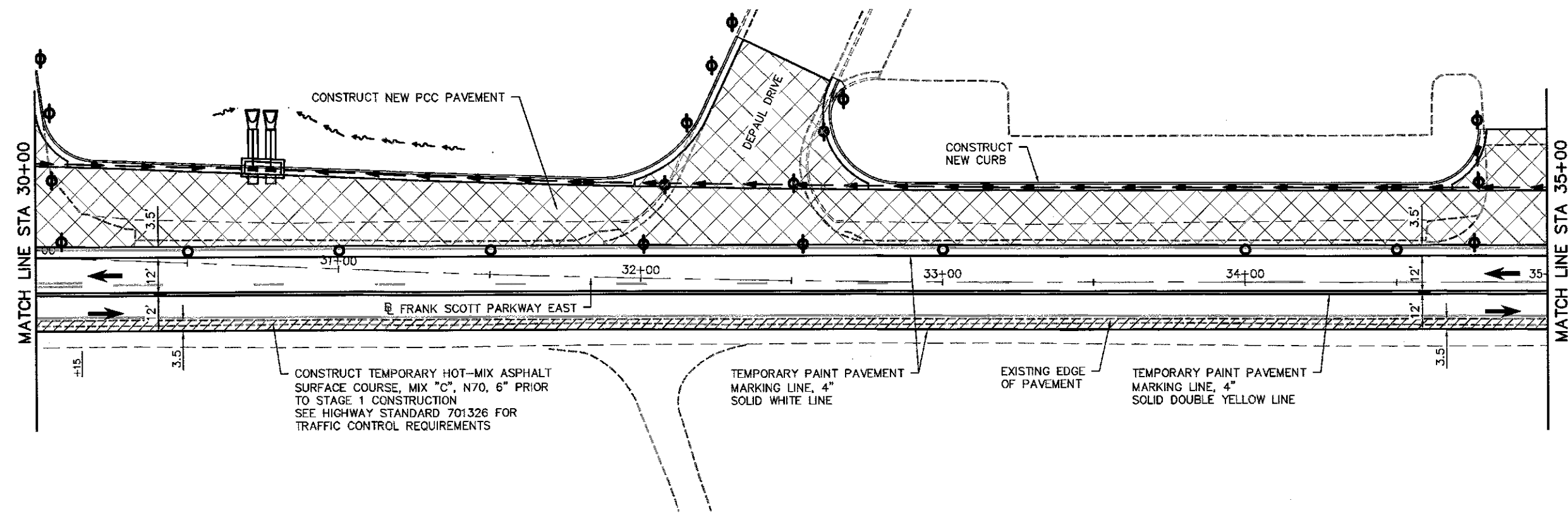
UNITED METHODIST ENTRANCE TO REMAIN OPEN AT ALL TIMES. WORK AT ENTRANCE IS TO BE COMPLETED BY 5:00 PM ON WEDNESDAYS, 4:00 PM ON SATURDAYS AND OPEN ALL DAY ON SUNDAYS. CONTRACTOR TO COORDINATE ENTRANCE WORK WITH PROPERTY OWNER PRIOR TO CONSTRUCTION.

N

0 20' 40'

GRAPHIC SCALE  
1"=20'

- TEMPORARY WIDENING
- NEW PCC PAVEMENT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/FLASHING LIGHT



FILE NAME = 14013 - TRAFFIC CONTROL.DWG

**DATES ASSOCIATES**  
Consulting Engineers  
www.datesassociates.com  
ILLINOIS DESIGN FIRM LICENSE NO. 184.001115

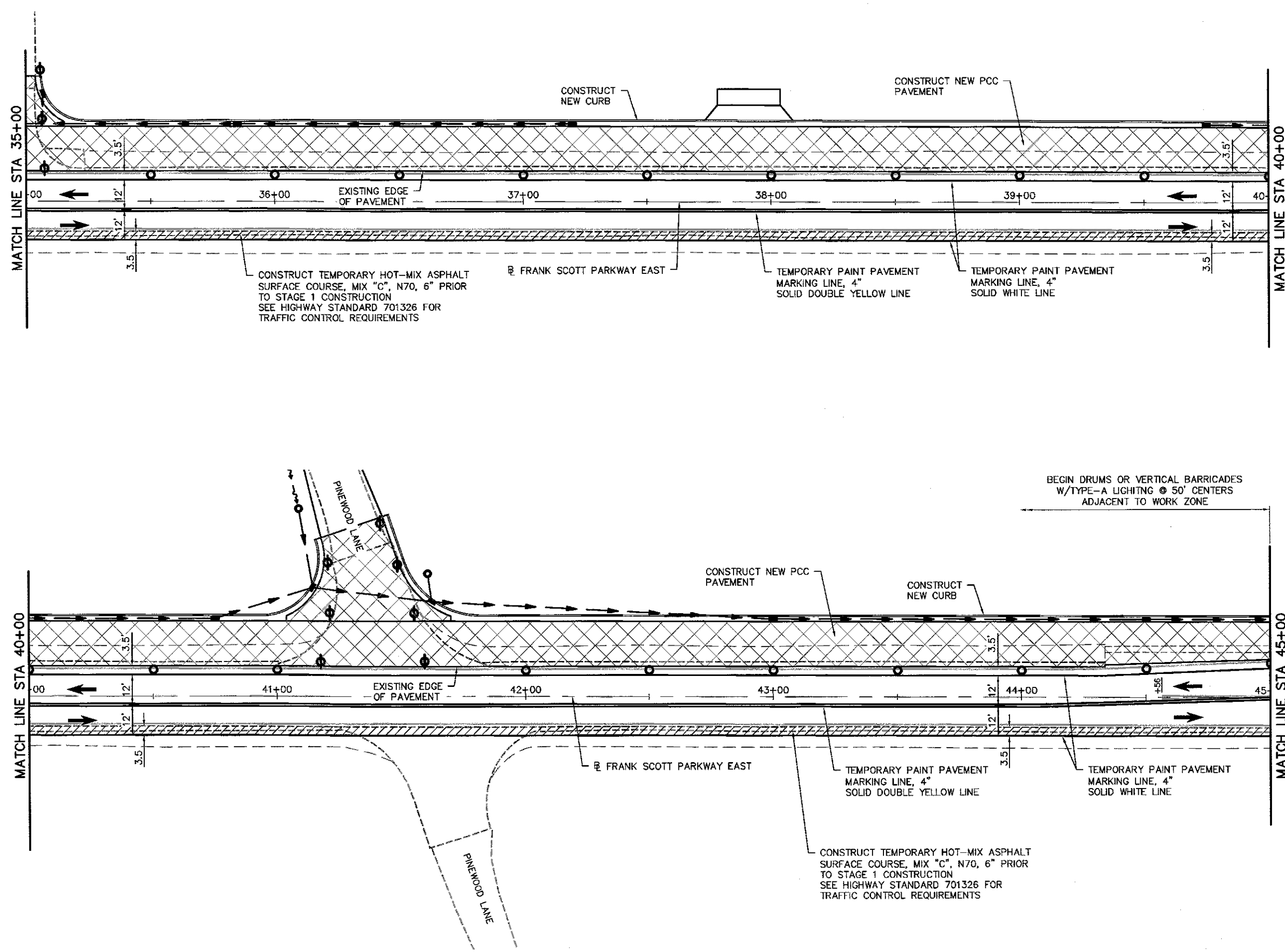
USER NAME =	SAM WRIGLEY	DESIGNED -	REVISD -
DRAWN -		REVISD -	
CHECKED -		REVISD -	
DATE =	2017-03-22	REVISD -	

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

**STAGING PLAN - STAGE 1**

SCALE: SHEET NO. 3 OF 5 SHEETS STA. 25+00 TO STA. 35+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	26
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 97582				



N

0 20' 40'

GRAPHIC SCALE  
1"=20'

- TEMPORARY WIDENING
- NEW PCC PAVEMENT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/FLASHING LIGHT

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

FILE NAME = 14013 - TRAFFIC CONTROL.DWG

**OATES ASSOCIATES**  
Consulting Engineers  
www.oatesassociates.com

USER NAME =	SAM WRIGLEY	DESIGNED -	REVISOR -
DRAWN -		CHECKED -	REVISOR -
PLOT SCALE =	1" = 1'	DATE -	REVISOR -
PLOT DATE =	2017-03-22		

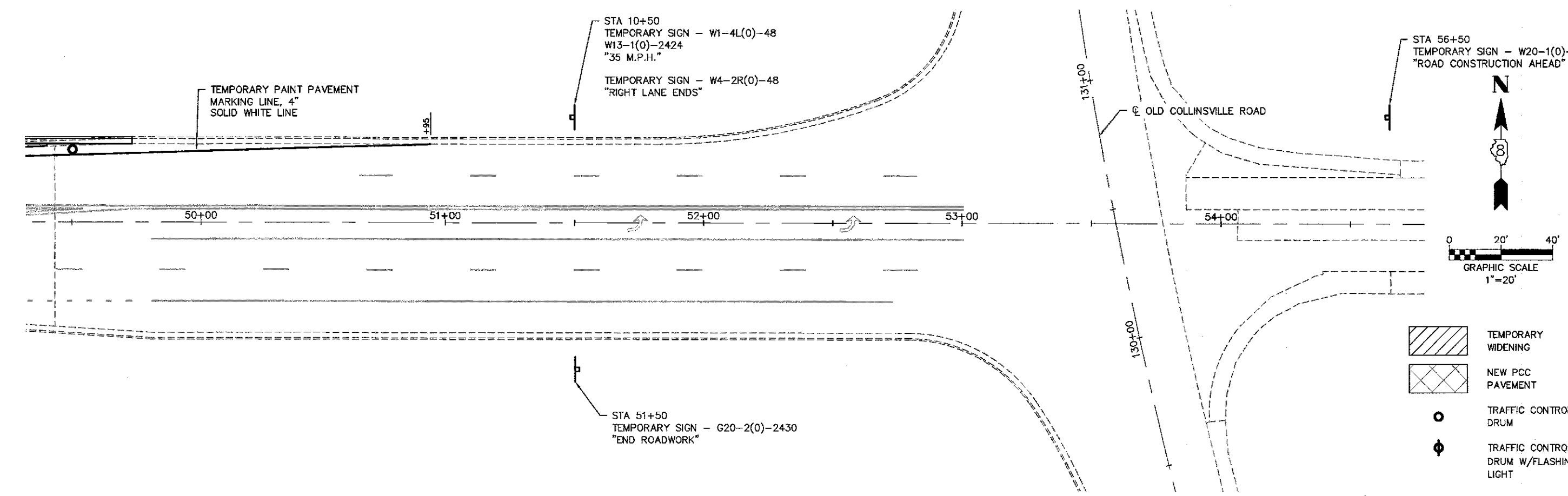
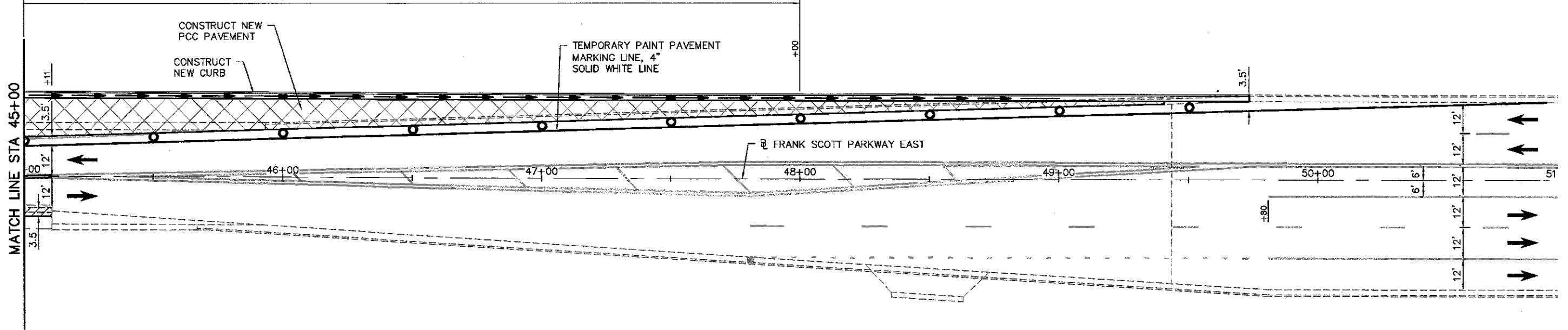
**ST. CLAIR COUNTY DEPARTMENT  
OF ROADS AND BRIDGES**

**STAGING PLAN - STAGE 1**

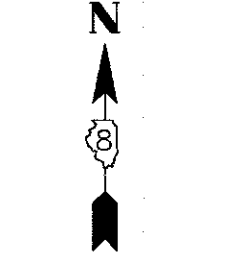
SCALE: SHEET NO. 4 OF 5 SHEETS STA. 35+00 TO STA. 45+00





F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	27
FED. ROAD DIST. NO.			CONTRACT NO. 97582	
ILLINOIS			FED. AID PROJECT	

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



STA 56+50  
 TEMPORARY SIGN - W20-1(0)-48  
 "ROAD CONSTRUCTION AHEAD"



-  TEMPORARY WIDENING
-  NEW PCC PAVEMENT
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM W/FLASHING LIGHT

STA 10+50  
 TEMPORARY SIGN - W1-4L(0)-48  
 W13-1(0)-2424  
 "35 M.P.H."  
 TEMPORARY SIGN - W4-2R(0)-48  
 "RIGHT LANE ENDS"

STA 51+50  
 TEMPORARY SIGN - G20-2(0)-2430  
 "END ROADWORK"

FILE NAME = 14013 - TRAFFIC CONTROL.DWG

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

USER NAME =	SAM WRIGLEY	DESIGNED -	---	REVISED -	---
PLOT SCALE =	1" = 1'	DRAWN -	---	REVISED -	---
PLOT DATE =	2017-03-22	CHECKED -	---	REVISED -	---
		DATE -	---	REVISED -	---

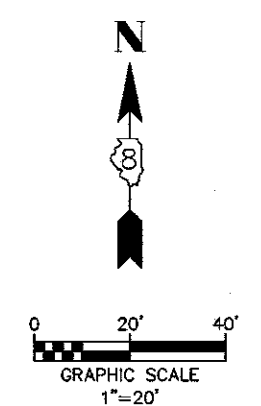
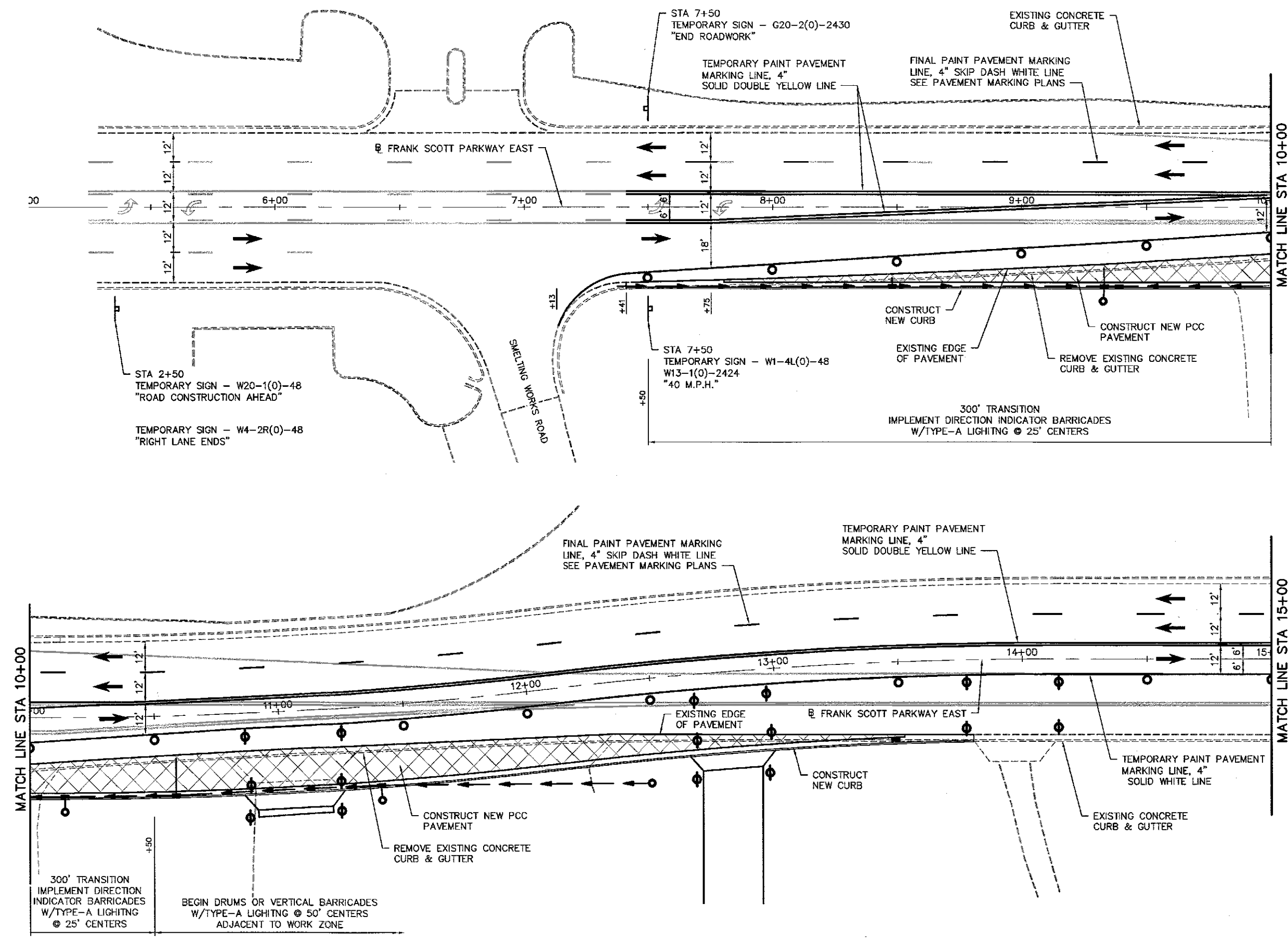
**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**STAGING PLAN - STAGE 1**

SCALE: SHEET NO. 5 OF 5 SHEETS STA. 45+00 TO STA. 55+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	28
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
		CONTRACT NO. 97562		

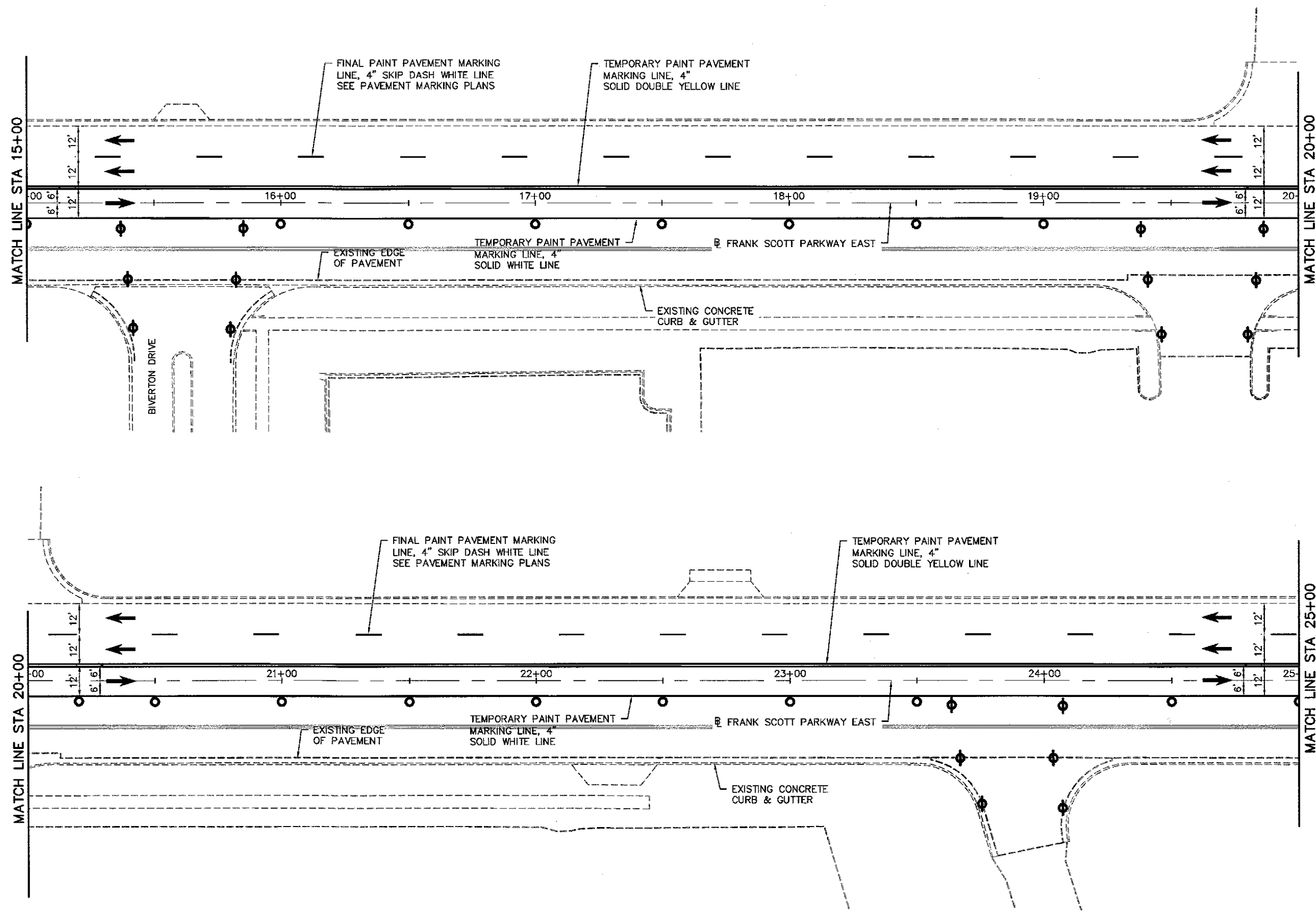




- TEMPORARY WIDENING REMOVAL
- NEW PCC PAVEMENT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/FLASHING LIGHT

FILE NAME = 14013 - TRAFFIC CONTROL.DWG

<b>OATES ASSOCIATES</b> Consulting Engineers www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = SAM WRIGLEY	DESIGNED -	REVISED -	<b>ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES</b>	<b>STAGING PLAN - STAGE 2</b>			F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1" = 1"	CHECKED -	REVISED -		SCALE:	SHEET NO. 1 OF 5 SHEETS	STA. 5+00 TO STA. 15+00	9330	12 - 00301 - 14 - PW	ST. CLAIR	93	29
PLOT DATE = 2017-03-22	DATE -	REVISED -				FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT			
											CONTRACT NO. 97582	



N

0 20' 40'

GRAPHIC SCALE  
1" = 20'

- TEMPORARY WIDENING REMOVAL
- NEW PCC PAVEMENT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/FLASHING LIGHT

FILE NAME = 14013 - TRAFFIC CONTROL.DWG

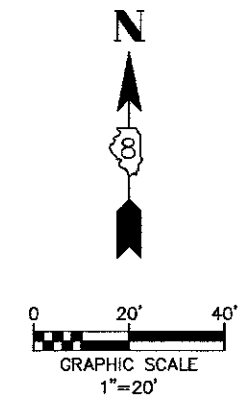
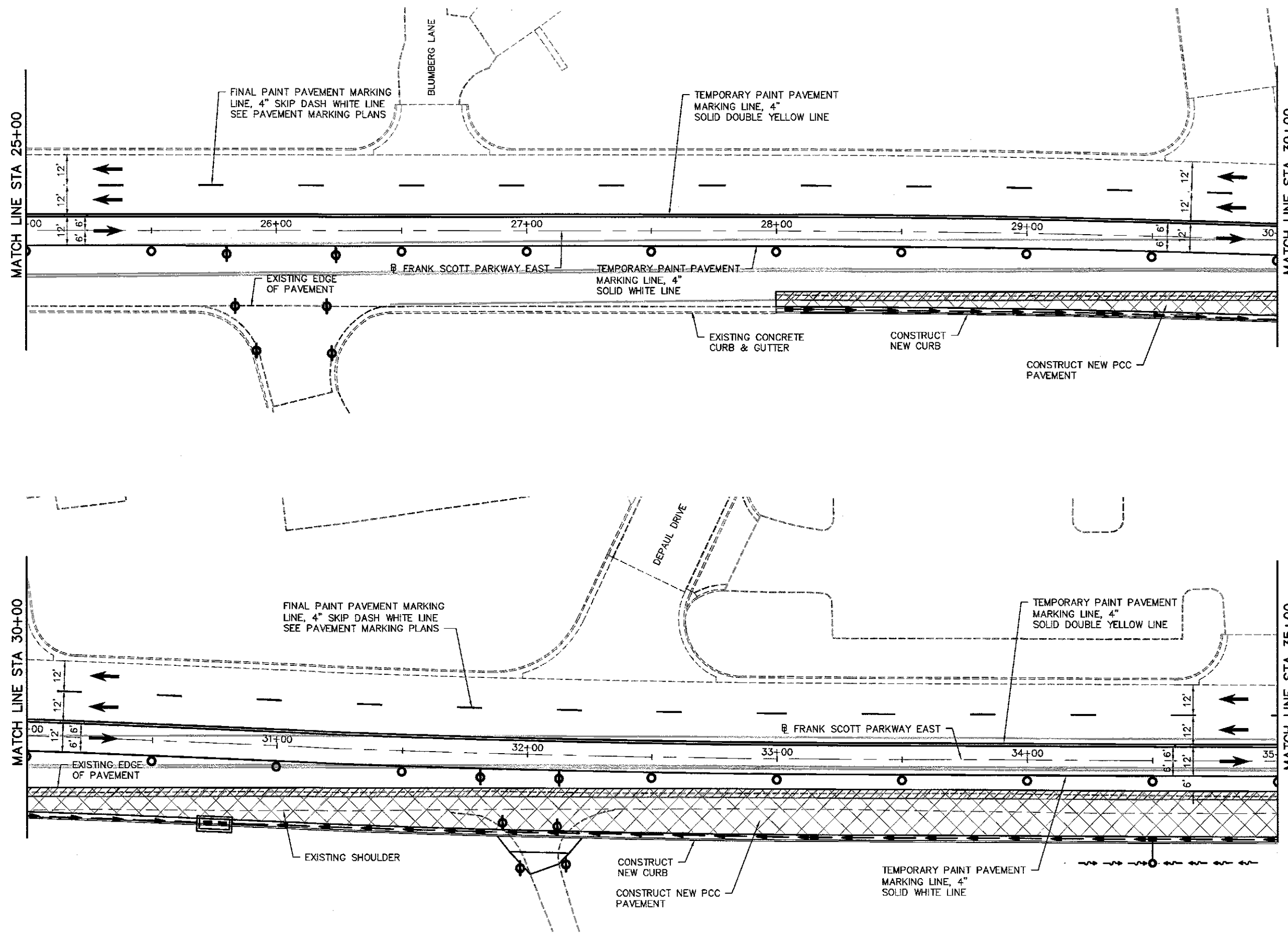
<p><b>DATES ASSOCIATES</b> Consulting Engineers www.datesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115</p>	USER NAME = SAM WRIGLEY	DESIGNED -	REVISED -
	PLOT SCALE = 1" = 1'	DRAWN -	REVISED -
	PLOT DATE = 2017-03-22	CHECKED -	REVISED -
		DATE -	REVISED -





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

**STAGING PLAN - STAGE 2**

SCALE: SHEET NO. 2 OF 5 SHEETS STA. 15+00 TO STA. 25+00

F.A.U. RTE. 9330	SECTION 12 - 00301 - 14 - PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 30
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 97582				



-  TEMPORARY WIDENING REMOVAL
-  NEW PCC PAVEMENT
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM W/FLASHING LIGHT

FILE NAME = 14013 - TRAFFIC CONTROL.DWG

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

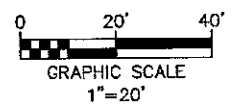
USER NAME =	SAM WRIGLEY	DESIGNED -	---	REVISED -	---
DRAWN -	---	CHECKED -	---	REVISED -	---
PLOT SCALE =	1" = 1'	DATE	2017-03-22	REVISED -	---

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

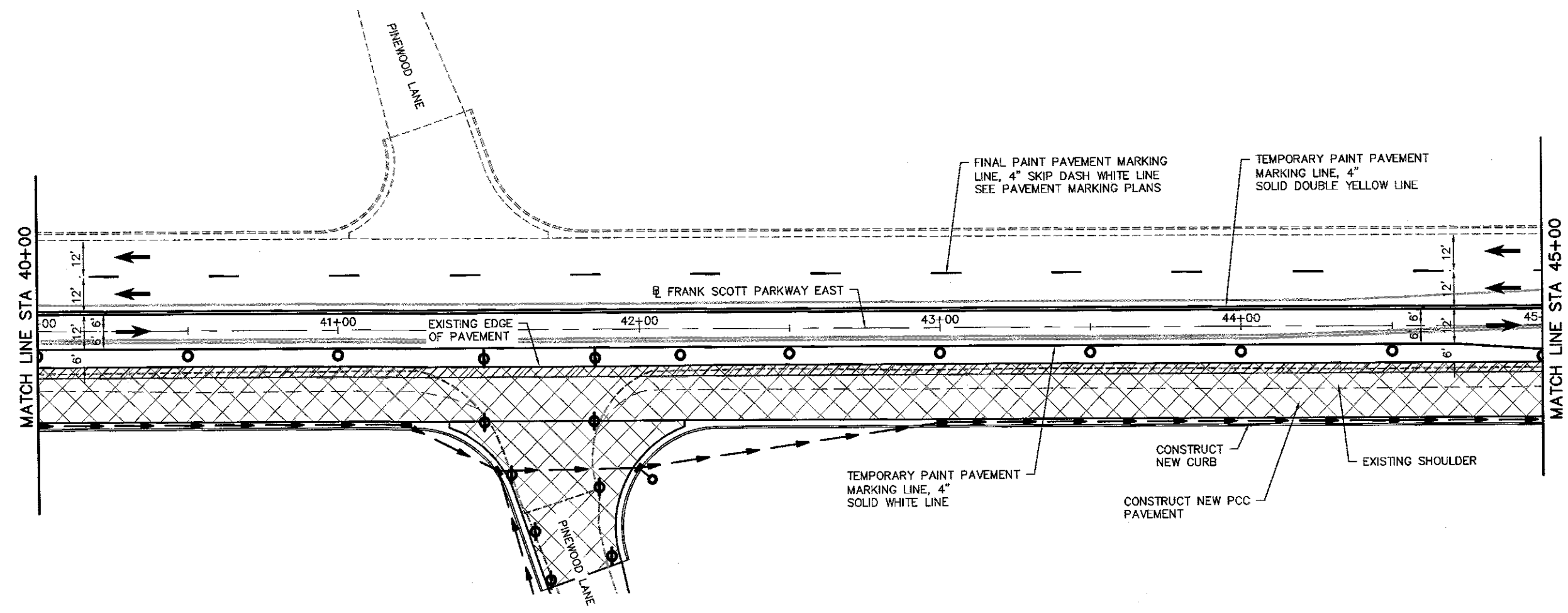
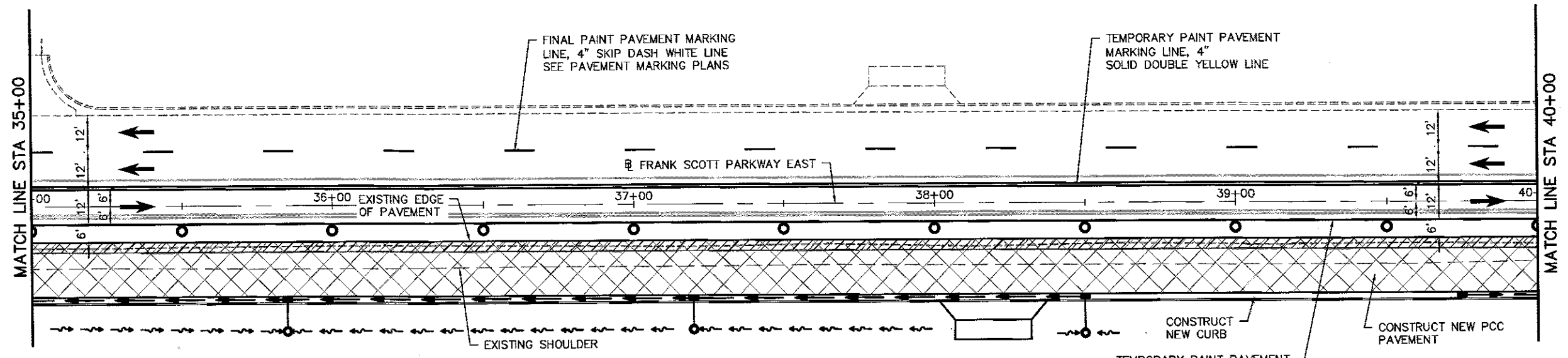
**STAGING PLAN - STAGE 2**

SCALE: SHEET NO. 3 OF 5 SHEETS STA. 25+00 TO STA. 35+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	31
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 97582				



- TEMPORARY WIDENING REMOVAL
- NEW PCC PAVEMENT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/FLASHING LIGHT



FILE NAME = 14013 - TRAFFIC CONTROL DWG

**DATES ASSOCIATES**  
 Consulting Engineers  
 www.datesassociates.com  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

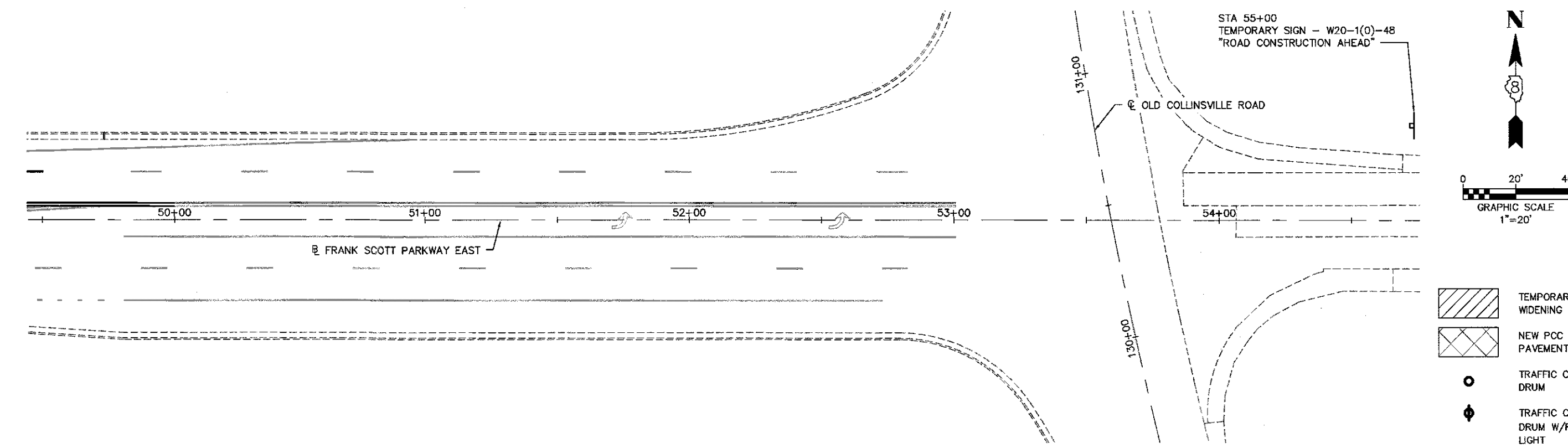
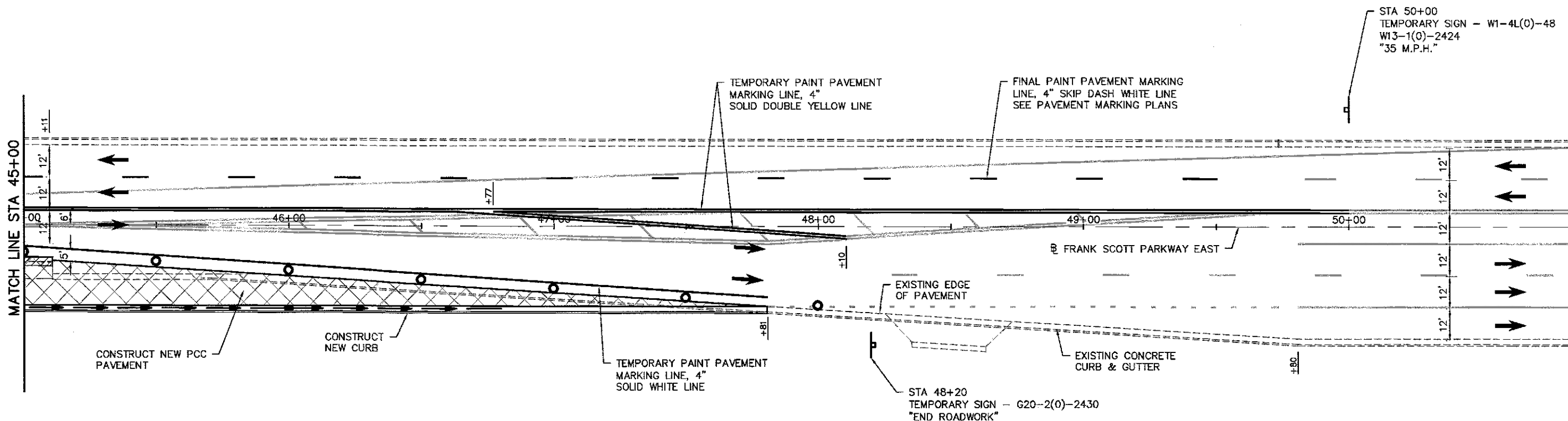
USER NAME =	SAM WRIGLEY	DESIGNED -	---	REVISED -	---
DRAWN -	---	REVISIONS -	---	DATE -	---
PLOT SCALE =	1" = 1'	CHECKED -	---	REVISED -	---
PLOT DATE =	2017-03-22	DATE -	---	REVISED -	---

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

**STAGING PLAN - STAGE 2**

SCALE: SHEET NO. 4 OF 5 SHEETS STA. 35+00 TO STA. 45+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	32
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 97582	



FILE NAME = 14013 - TRAFFIC CONTROL.DWG

**OATES ASSOCIATES**  
 Consulting Engineers  
 www.oatesassociates.com  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.091115

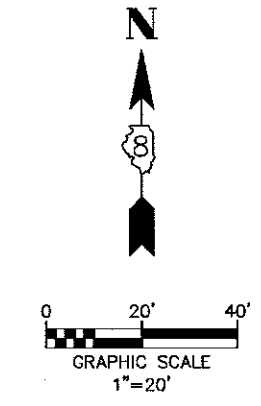
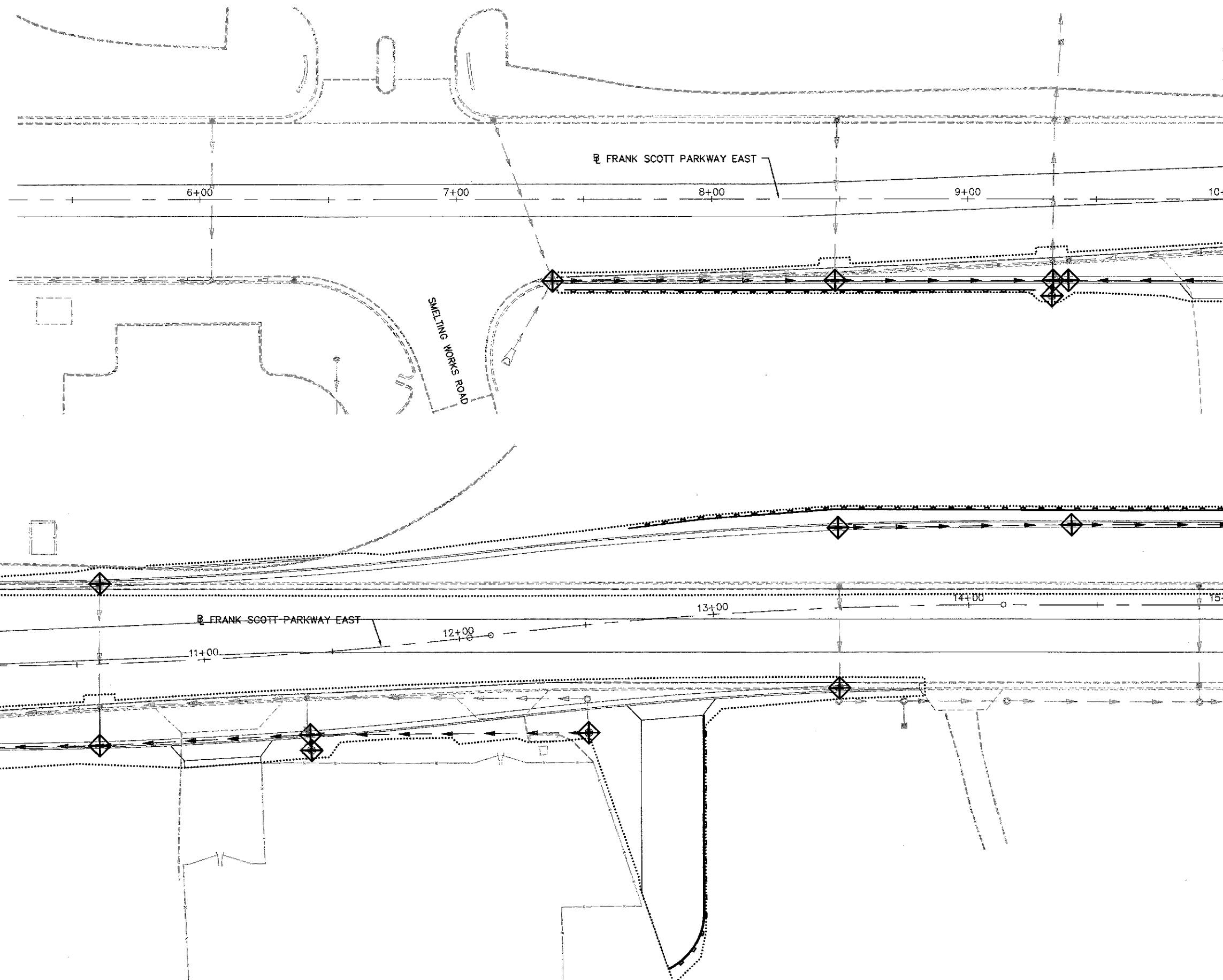
USER NAME =	SAM WRIGLEY	DESIGNED -	REVISOR -
DRAWN -		CHECKED -	REVISOR -
PLOT SCALE =	1" = 1'	DATE -	REVISOR -
PLOT DATE =	2017-03-22		

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

**STAGING PLAN - STAGE 2**

SCALE: SHEET NO. 5 OF 5 SHEETS STA. 45+00 TO STA. 55+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	33
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 97562				



LEGEND	
	LIMITS OF CONSTRUCTION
	TEMPORARY DITCH CHECK
	PERIMETER EROSION BARRIER SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
	INLET & PIPE PROTECTION
	EROSION CONTROL BLANKET
	STONE RIPRAP

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

DITCH CHECK SPACING						
SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW FT) (INCHES)	SPACING OF DITCH CHECK (FEET)	SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW FT) (INCHES)	SPACING OF DITCH CHECK (FEET)	
8.0	12"	13.00	4.0	12"	25.00	
	18"	20.00		18"	38.00	
	24"	26.00		24"	50.00	
7.0	12"	14.00	3.0	12"	33.00	
	18"	21.00		18"	50.00	
	24"	28.00		24"	66.00	
6.0	12"	17.00	2.0	12"	50.00	
	18"	26.00		18"	75.00	
	24"	34.00		24"	100.00	
5.0	12"	29.00	1.0	12"	100.00	
	18"	39.00		& UNDER	18"	150.00
	24"	48.00		& UNDER	24"	200.00

FILE NAME = 14013 - EROSION CONTROL PLANS.DWG

**DATES ASSOCIATES**  
Consulting Engineers  
www.datesassociates.com

USER NAME =	SAM WRIGLEY	DESIGNED -	---	REVISED -	---
PLOT SCALE =	1" = 1'	DRAWN -	---	REVISED -	---
PLOT DATE =	2017-03-23	CHECKED -	---	REVISED -	---

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

**EROSION CONTROL PLANS**

SCALE: SHEET NO. 1 OF 5 SHEETS STA. 5+00 TO STA. 15+00

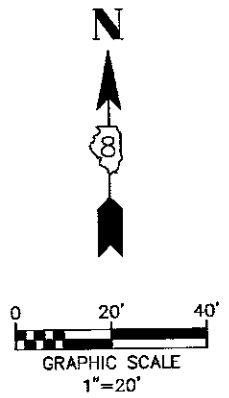
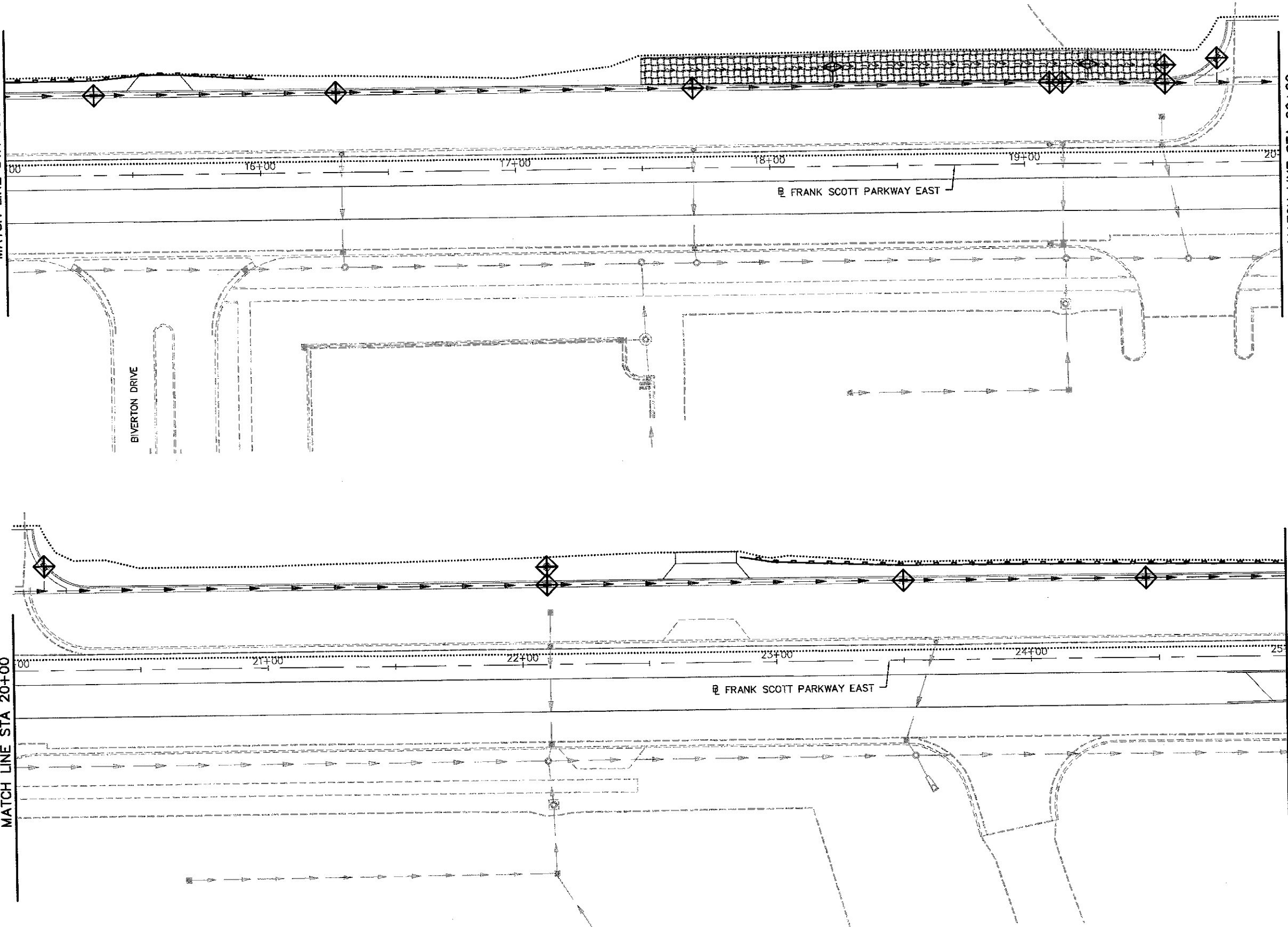
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12-00331-14-PW	ST. CLAIR	93	34
CONTRACT NO. 97582				

MATCH LINE STA 15+00

MATCH LINE STA 20+00

MATCH LINE STA 20+00

MATCH LINE STA 25+00



LEGEND	
.....	LIMITS OF CONSTRUCTION
◆	TEMPORARY DITCH CHECK
—	PERIMETER EROSION BARRIER SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
◆	INLET & PIPE PROTECTION
[Grid Pattern]	EROSION CONTROL BLANKET
[Stone Pattern]	STONE RIPRAP

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

DITCH CHECK SPACING						
SLOPE	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT)	SPACING OF DITCH CHECK	SLOPE	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT)	SPACING OF DITCH CHECK	
(%)	(INCHES)	(FEET)	(%)	(INCHES)	(FEET)	
8.0	12"	13.00	4.0	12"	25.00	
	18"	20.00		18"	38.00	
	24"	26.00		24"	50.00	
7.0	12"	14.00	3.0	12"	33.00	
	18"	21.00		18"	50.00	
	24"	28.00		24"	66.00	
6.0	12"	17.00	2.0	12"	50.00	
	18"	26.00		18"	75.00	
	24"	34.00		24"	100.00	
5.0	12"	20.00	1.0	12"	100.00	
	18"	30.00		& UNDER	18"	150.00
	24"	40.00		24"	200.00	

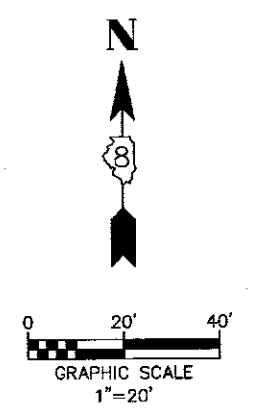
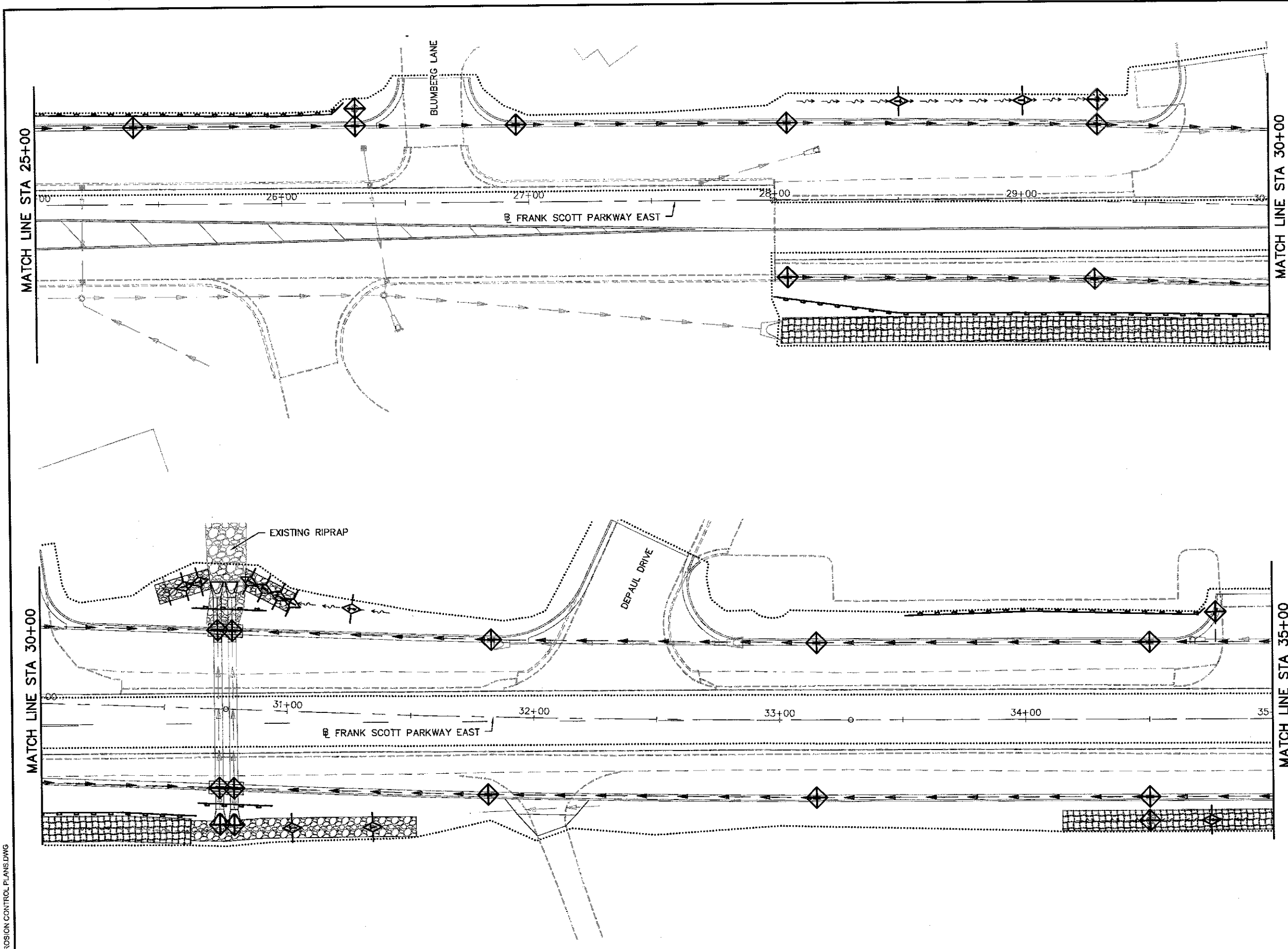
FILE NAME = 14013 - EROSION CONTROL PLANS.DWG

<b>DATES ASSOCIATES</b> Consulting Engineers www.datesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = SAM WRIGLEY	DESIGNED -	REVISED -
	PLOT SCALE = 1" = 1'	CHECKED -	REVISED -
	PLOT DATE = 2017-03-23	DATE -	REVISED -

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

<b>EROSION CONTROL PLANS</b>		
SCALE:	SHEET NO. 2 OF 5 SHEETS	STA. 15+00 TO STA. 25+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00331 - 14 - FW	ST. CLAIR	93	35
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT
CONTRACT NO. 97582				



LEGEND	
	LIMITS OF CONSTRUCTION
	TEMPORARY DITCH CHECK
	PERIMETER EROSION BARRIER SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
	INLET & PIPE PROTECTION
	EROSION CONTROL BLANKET
	STONE RIPRAP

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

DITCH CHECK SPACING					
SLOPE	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT)	SPACING OF DITCH CHECK	SLOPE	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT)	SPACING OF DITCH CHECK
(%)	(INCHES)	(FEET)	(%)	(INCHES)	(FEET)
8.0	12"	13.00	4.0	12"	25.00
	18"	20.00		18"	38.00
	24"	26.00		24"	50.00
7.0	12"	14.00	3.0	12"	33.00
	18"	21.00		18"	50.00
	24"	28.00		24"	65.00
6.0	12"	17.00	2.0	12"	50.00
	18"	20.00		18"	75.00
	24"	34.00		24"	100.00
5.0	12"	20.00	1.0	12"	100.00
	18"	30.00	& UNDER	18"	150.00
	24"	40.00		24"	200.00

FILE NAME = 14013 - EROSION CONTROL PLANS.DWG

**DATES ASSOCIATES**  
Consulting Engineers  
www.datesassociates.com  
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

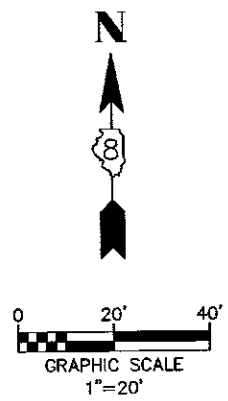
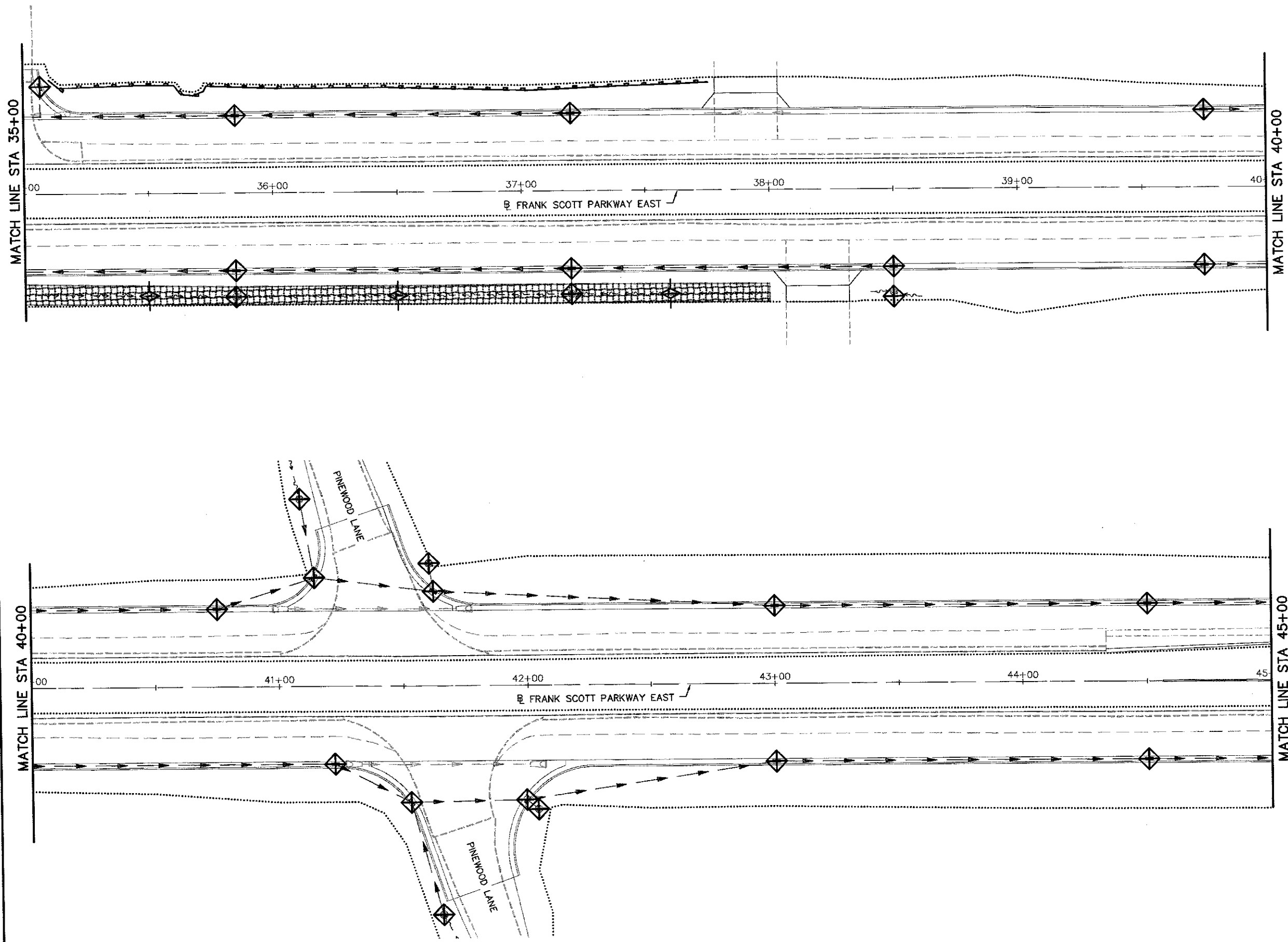
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PLOT DATE =	2017-03-23	CHECKED -	---	REVISED -	---
		DATE -	---	REVISED -	---

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

**EROSION CONTROL PLANS**  
SCALE: SHEET NO. 3 OF 5 SHEETS STA. 25+00 TO STA. 35+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00331 - 14 - PW	ST. CLAIR	93	36
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
		CONTRACT NO. 97582		





**LEGEND**

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

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

**DITCH CHECK SPACING**

SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES)	SPACING OF DITCH CHECK (FEET)	SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES)	SPACING OF DITCH CHECK (FEET)
8.0	12"	13.00	4.0	12"	25.00
	18"	20.00		18"	38.00
	24"	29.00		24"	50.00
7.0	12"	14.00	3.0	12"	33.00
	18"	21.00		18"	50.00
	24"	28.00		24"	66.00
6.0	12"	17.00	2.0	12"	50.00
	18"	26.00		18"	75.00
	24"	34.00		24"	100.00
	30"	40.00		30"	150.00
5.0	12"	20.00	1.0	12"	100.00
	18"	30.00		18"	150.00
	24"	40.00		24"	200.00

FILE NAME = 14013 - EROSION CONTROL PLANS.DWG

**DATES ASSOCIATES**  
Consulting Engineers  
www.datesassociates.com  
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

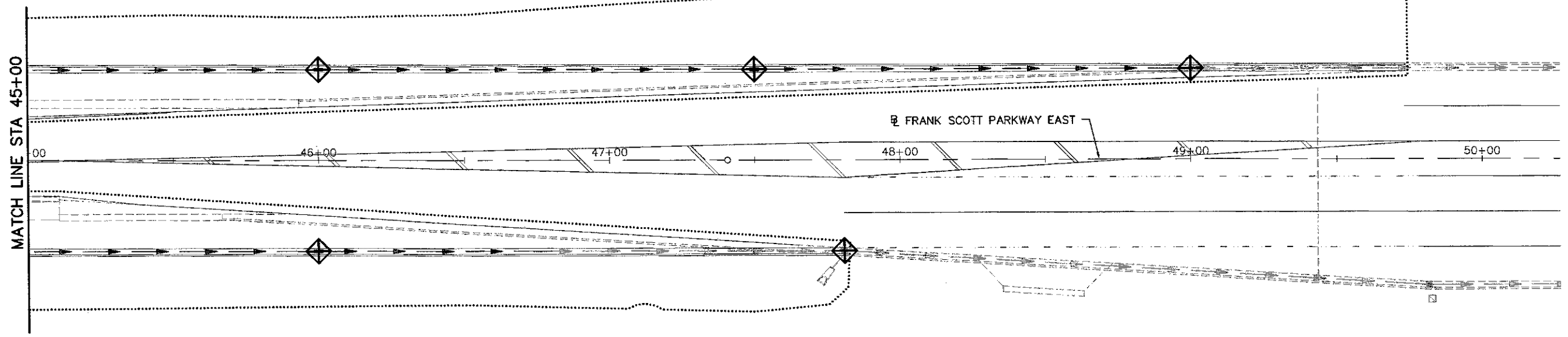
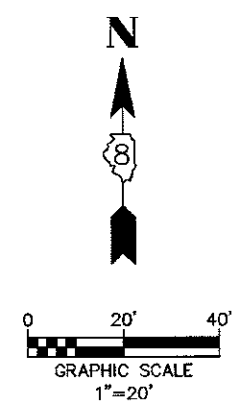
USER NAME =	SAM WRIGLEY	DESIGNED -	_____	REVISED -	_____
PLOT SCALE =	1" = 1'	DRAWN -	_____	REVISED -	_____
PLOT DATE =	2017-03-23	CHECKED -	_____	REVISED -	_____
		DATE -	_____	REVISED -	_____

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

**EROSION CONTROL PLANS**

SCALE: SHEET NO. 4 OF 5 SHEETS STA. 35+00 TO STA. 45+00

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	37
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 97582	



LEGEND	
	LIMITS OF CONSTRUCTION
	TEMPORARY DITCH CHECK
	PERIMETER EROSION BARRIER SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
	INLET & PIPE PROTECTION
	EROSION CONTROL BLANKET
	STONE RIPRAP

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

DITCH CHECK SPACING						
SLOPE	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES)	SPACING OF DITCH CHECK (FEET)	SLOPE	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES)	SPACING OF DITCH CHECK (FEET)	
(%)	(INCHES)	(FEET)	(%)	(INCHES)	(FEET)	
8.0	12"	13.00	4.0	12"	25.00	
	18"	20.00		18"	38.00	
	24"	28.00		24"	50.00	
7.0	12"	14.00	3.0	12"	33.00	
	18"	21.00		18"	50.00	
	24"	28.00		24"	66.00	
6.0	12"	17.00	2.0	12"	50.00	
	18"	25.00		18"	75.00	
	24"	34.00		24"	100.00	
5.0	12"	20.00	1.0	12"	100.00	
	18"	30.00		& UNDER	18"	150.00
	24"	40.00		& UNDER	24"	200.00

FILE NAME = 14013 - EROSION CONTROL PLANS.DWG

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

USER NAME =	SAM WRIGLEY	DESIGNED -	DESIGNED -	REVISED -	REVISED -
PLOT SCALE =	1" = 1'	DRAWN -	DRAWN -	REVISED -	REVISED -
PLOT DATE =	2017-03-23	CHECKED -	CHECKED -	REVISED -	REVISED -
		DATE -	DATE -	REVISED -	REVISED -

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

**EROSION CONTROL PLANS**

SCALE: SHEET NO. 5 OF 5 SHEETS STA. 45+00 TO STA. 55+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 003D1 - 14 - PW	ST. CLAIR	93	38
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 97582	





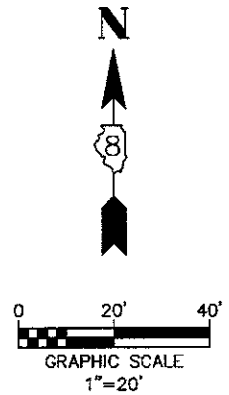
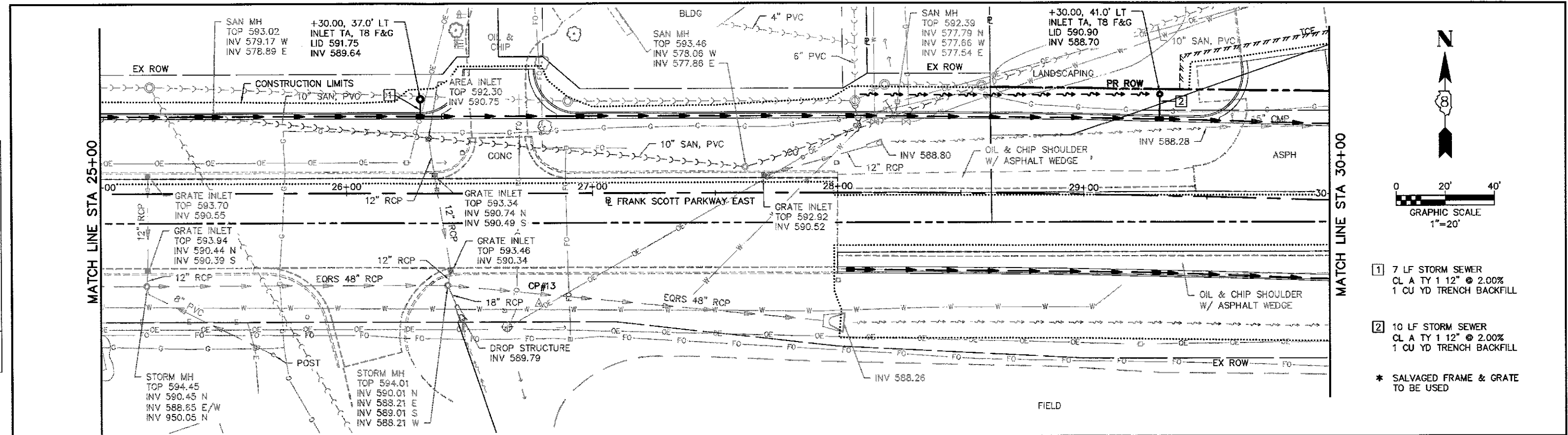




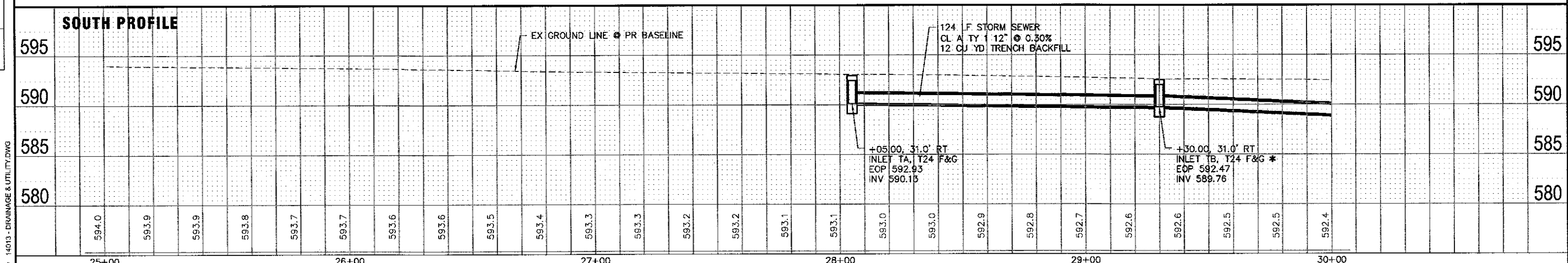
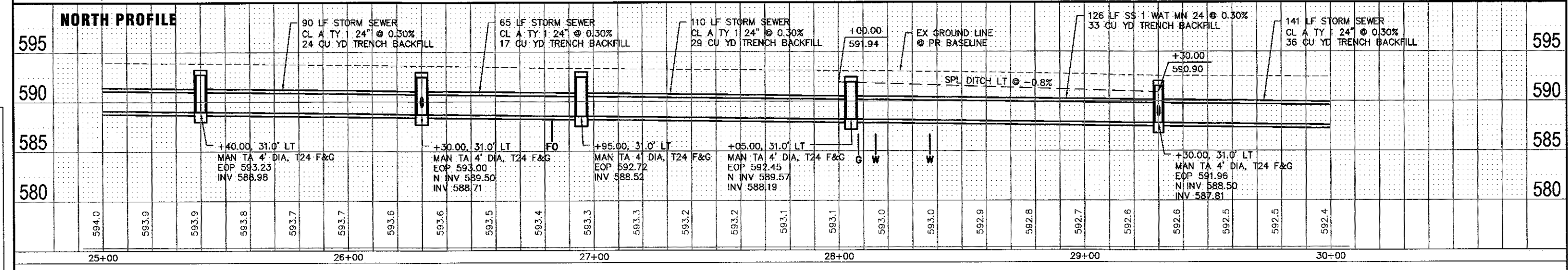


PLAN	DATE	BY
REVISIONS		
NO.		
DESCRIPTION		
DATE		
BY		

PROFILE	DATE	BY
REVISIONS		
NO.		
DESCRIPTION		
DATE		
BY		



- 1 7 LF STORM SEWER  
CL A TY 1 12" @ 2.00%  
1 CU YD TRENCH BACKFILL
- 2 10 LF STORM SEWER  
CL A TY 1 12" @ 2.00%  
1 CU YD TRENCH BACKFILL
- \* SALVAGED FRAME & GRATE  
TO BE USED



FILE NAME = 14013 - DRAINAGE & UTILITY.DWG

<b>OATES ASSOCIATES</b> Consulting Engineers www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184-001115	USER NAME = SAM WRIGLEY	DESIGNED -	REVISED -	<b>ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES</b>	<b>DRAINAGE PLAN &amp; PROFILE</b>			FAU. RTE. 9330	SECTION 12 - 00301 - 14 - PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 43		
	PLOT SCALE = 1" = 1'	CHECKED -	REVISED -		SCALE: 1" = 20'			SHEET NO. 5 OF 10 SHEETS			STA. 25+00 TO STA. 30+00		CONTRACT NO. 97582	
	PLOT DATE = 2017-03-23	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS			FED. AID PROJECT						



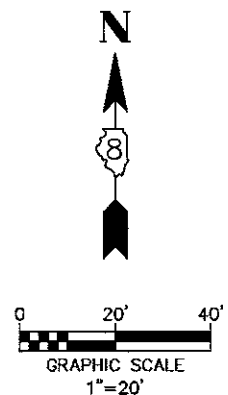
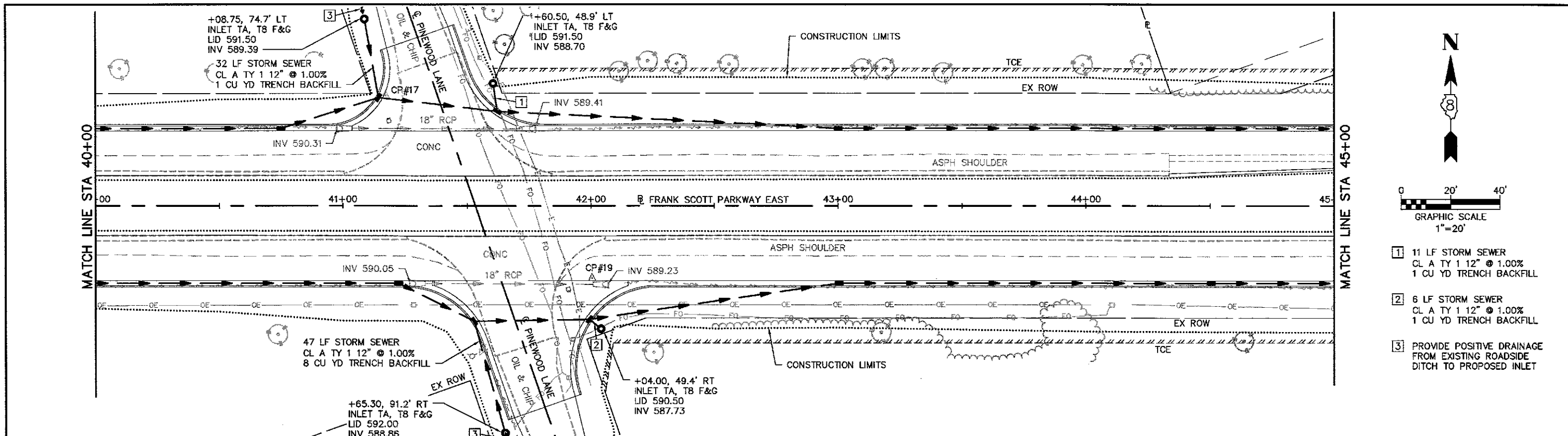




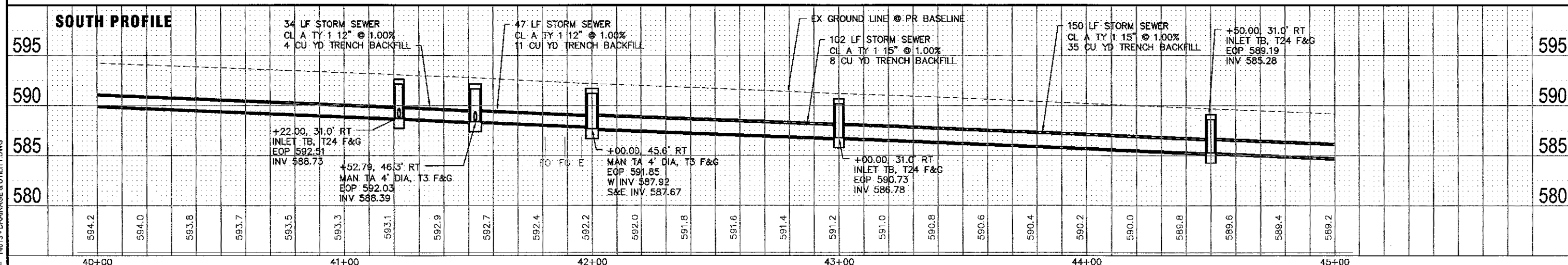
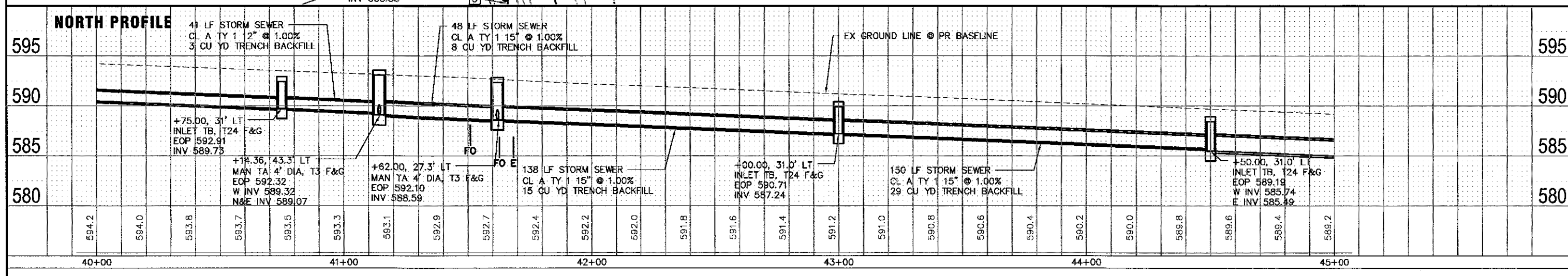
DATE	
BY	
REVIEWED	
APPROVED	
ALIGNED	
CHECKED	
RT OF WAY CHECKED	
NO. _____	
NOTE BOOK	
NO. _____	
FILE NAME	

DATE	
BY	
REVIEWED	
APPROVED	
ALIGNED	
CHECKED	
STRUCTURE NOTATIONS	
NO. _____	
NOTE BOOK	
NO. _____	

FILE NAME = 14013 - DRAINAGE & UTILITY.DWG



- 1 11 LF STORM SEWER  
CL A TY 1 12" @ 1.00%  
1 CU YD TRENCH BACKFILL
- 2 6 LF STORM SEWER  
CL A TY 1 12" @ 1.00%  
1 CU YD TRENCH BACKFILL
- 3 PROVIDE POSITIVE DRAINAGE  
FROM EXISTING ROADSIDE  
DITCH TO PROPOSED INLET

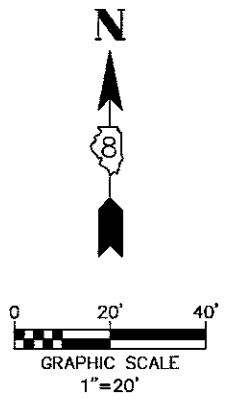
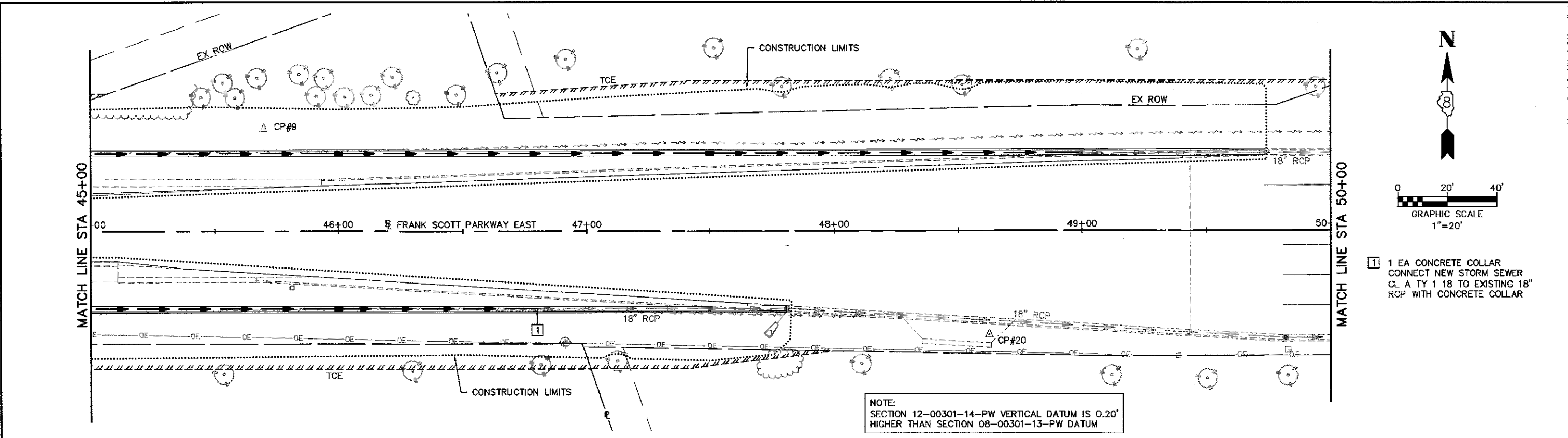


	USER NAME = SAM WRIGLEY	DESIGNED -	REVISED -		<b>DRAINAGE PLAN &amp; PROFILE</b>			F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	www.datesassociates.com	DRAWN -	REVISED -		SCALE: 1" = 20'			9330	12 - 00301 - 14 - PW	ST. CLAIR	93	46	
	ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	CHECKED -	REVISED -		SHEET NO. 8 OF 10 SHEETS			STA. 40+00 TO STA. 45+00		CONTRACT NO. 97582			
		PLOT DATE = 2017-03-23	DATE -		REVISED -	FED. ROAD DIST. NO. _____			ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	NO.	

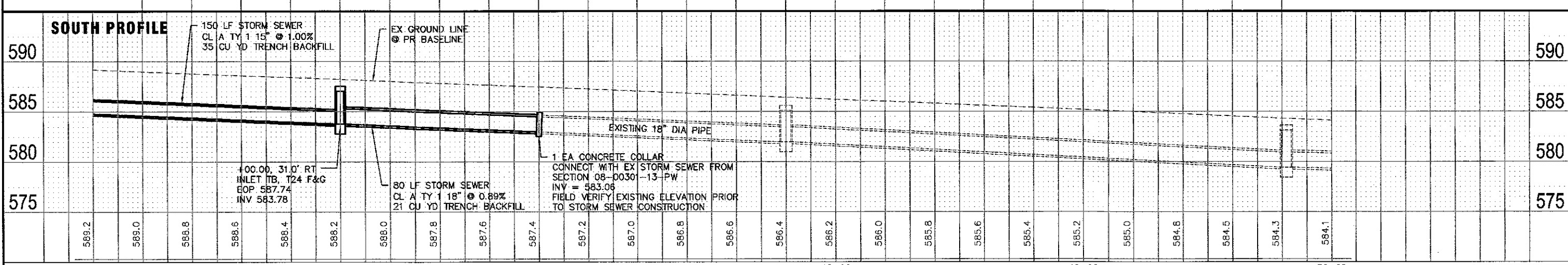
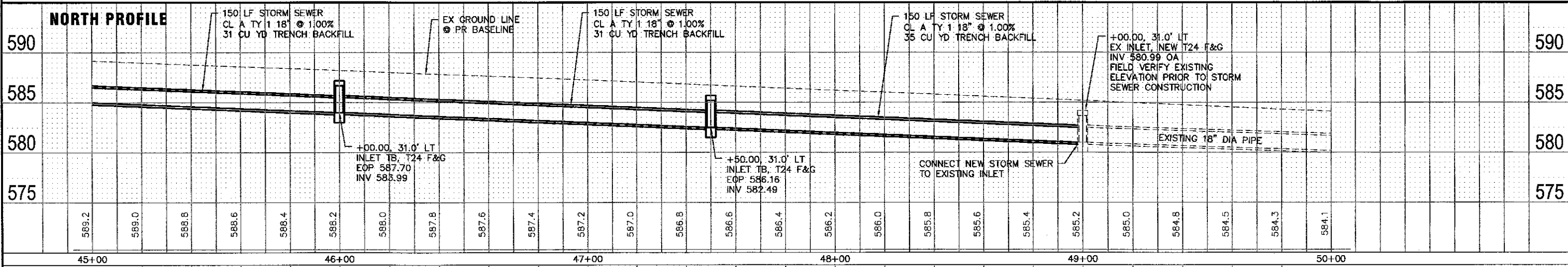
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	PLOTTED	BY
	NOTED	
	NO.	

FILE NAME = 14073 - DRAINAGE & UTILITY.DWG



1 EA CONCRETE COLLAR  
CONNECT NEW STORM SEWER  
CL A TY 1 18" TO EXISTING 18"  
RCP WITH CONCRETE COLLAR

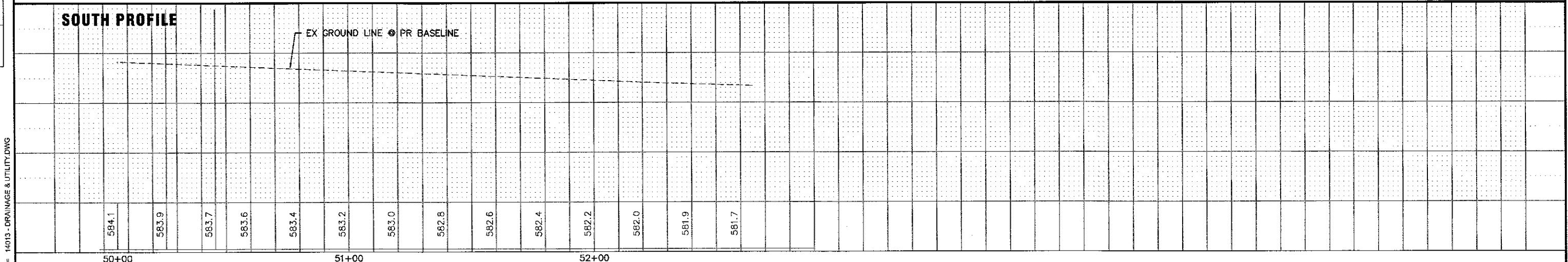
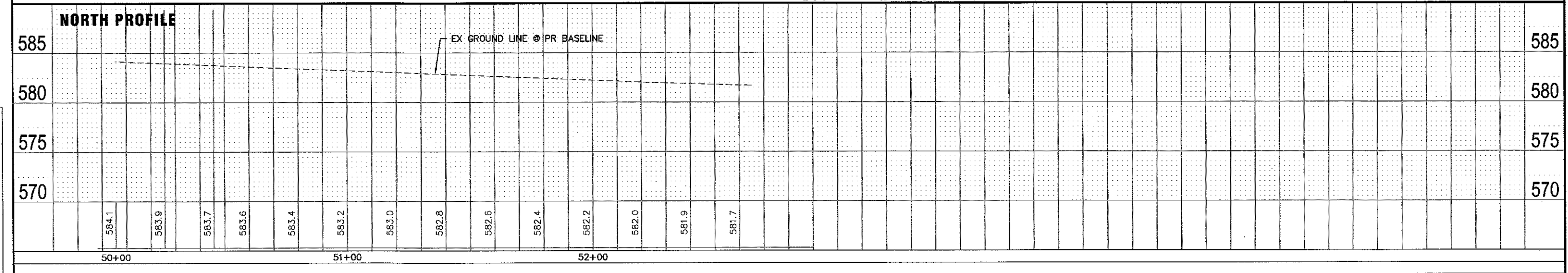
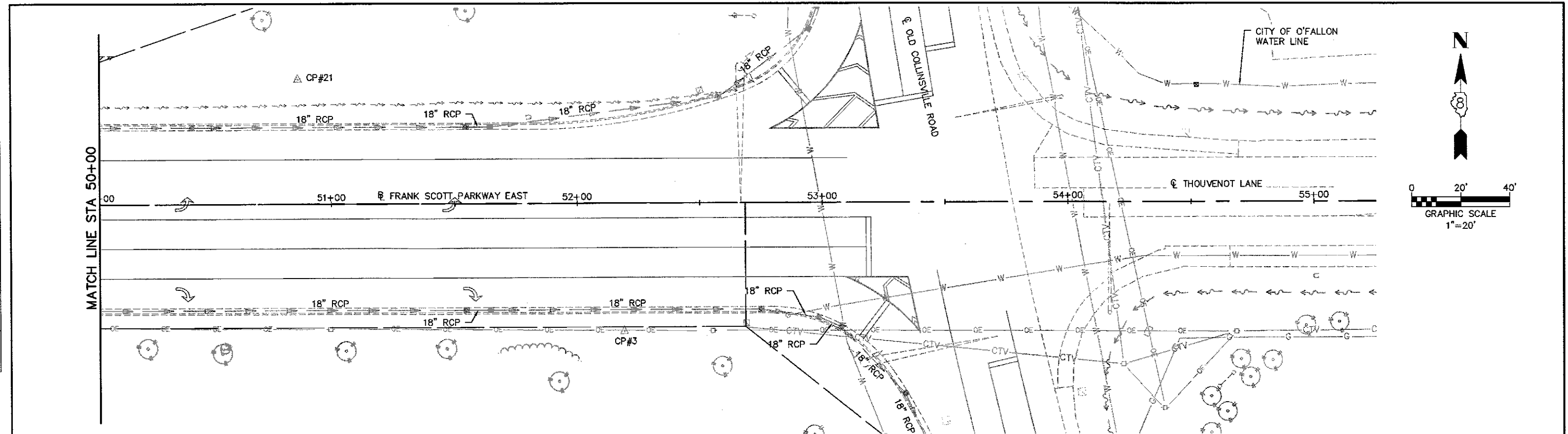
NOTE:  
SECTION 12-00301-14-PW VERTICAL DATUM IS 0.20'  
HIGHER THAN SECTION 08-00301-13-PW DATUM



<b>DATES ASSOCIATES</b> Consulting Engineers www.datesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME =	SAM WRIGLEY	DESIGNED -	REVISOR -	<b>ST. CLAIR COUNTY DEPARTMENT</b> <b>OF ROADS AND BRIDGES</b>	<b>DRAINAGE PLAN &amp; PROFILE</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	1" = 1'	DRAWN -	REVISOR -					9330	12-00301-14-PW	ST. CLAIR	93	47
	PLOT DATE =	2017-03-23	CHECKED -	REVISOR -					CONTRACT NO. 97582				
	PLOT DATE =	2017-03-23	DATE -	REVISOR -					SCALE: 1" = 20'	SHEET NO. 9 OF 10 SHEETS	STA. 45+00 TO STA. 50+00	FED. ROAD DIST. NO.	ILLINOIS

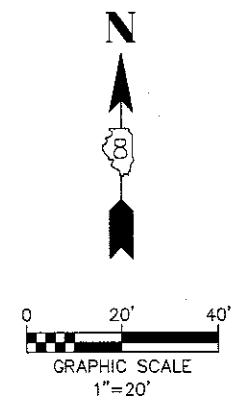
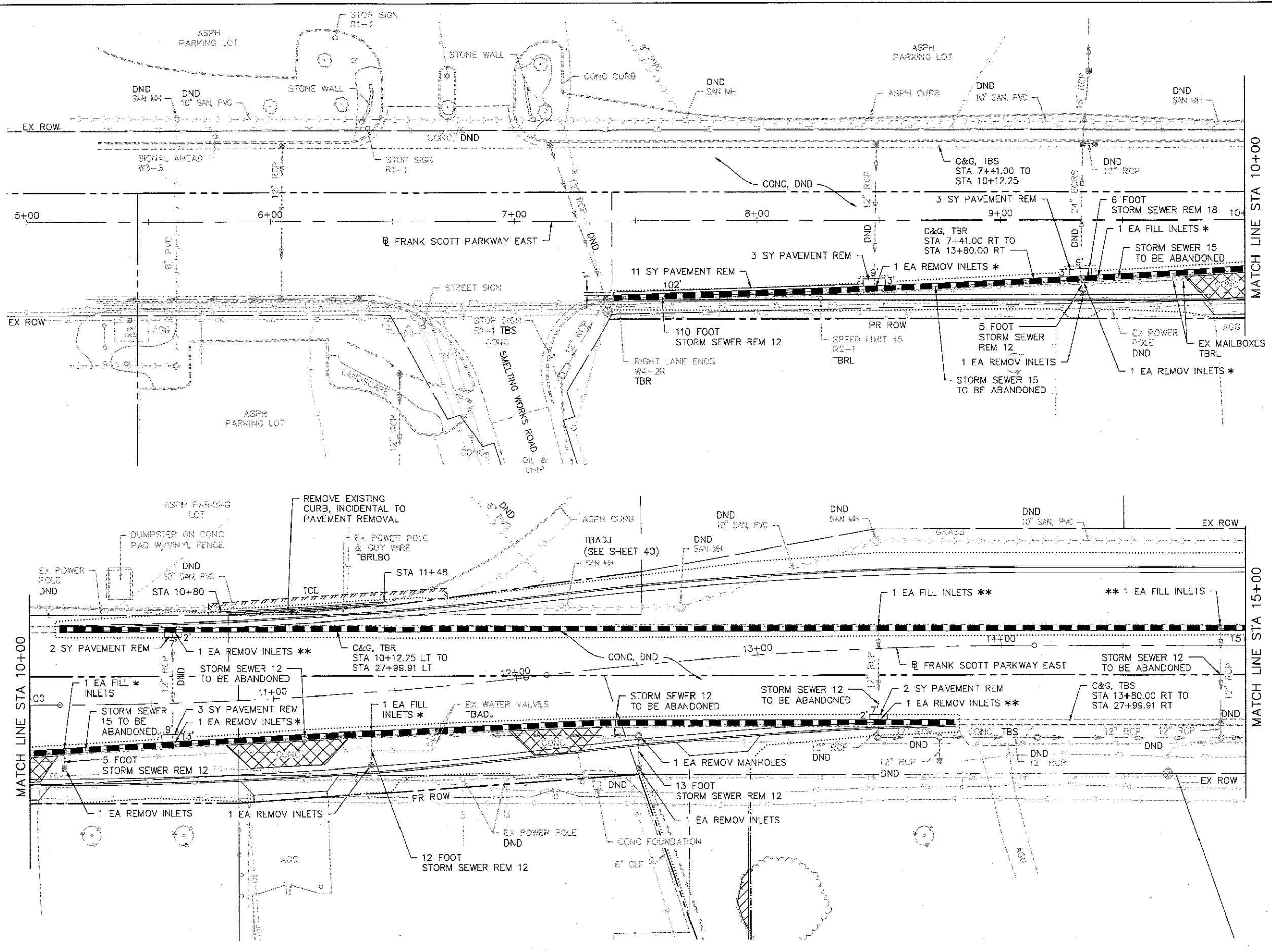
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	PLOTTED	
	GRADES CHECKED	
	RT. OF WAY CHECKED	
	PAID FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHRD	
	NO.	



FILE NAME = 14013 - DRAINAGE & UTILITY.DWG

<b>DATES ASSOCIATES</b> Consulting Engineers www.datesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = SAM WRIGLEY	DESIGNED -	REVISED -	<b>ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES</b>	<b>DRAINAGE PLAN &amp; PROFILE</b>			F.A.U. RTE. 9330	SECTION 12 - 00301 - 14 - PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 48
	PLOT SCALE = 1" = 1'	CHECKED -	REVISED -					CONTRACT NO. 97582				
	PLOT DATE = 2017-03-23	DATE -	REVISED -		SCALE: 1" = 20' SHEET NO. 10 OF 10 SHEETS STA. 50+00 TO STA. 55+00				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



REMOVAL LEGEND	
	DO NOT DISTURB EXISTING DECIDUOUS OR EVERGREEN TREES
	DRIVEWAY PAVEMENT REMOVAL
	PAVEMENT REMOVAL
	CONCRETE CURB & GUTTER REMOVAL
*	TYPE 3 FRAME & GRATE TO BE SALVAGED
**	TYPE 24 FRAME & GRATE TO BE SALVAGED

FILE NAME = 14013 - REMOVAL PLANS.DWG

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

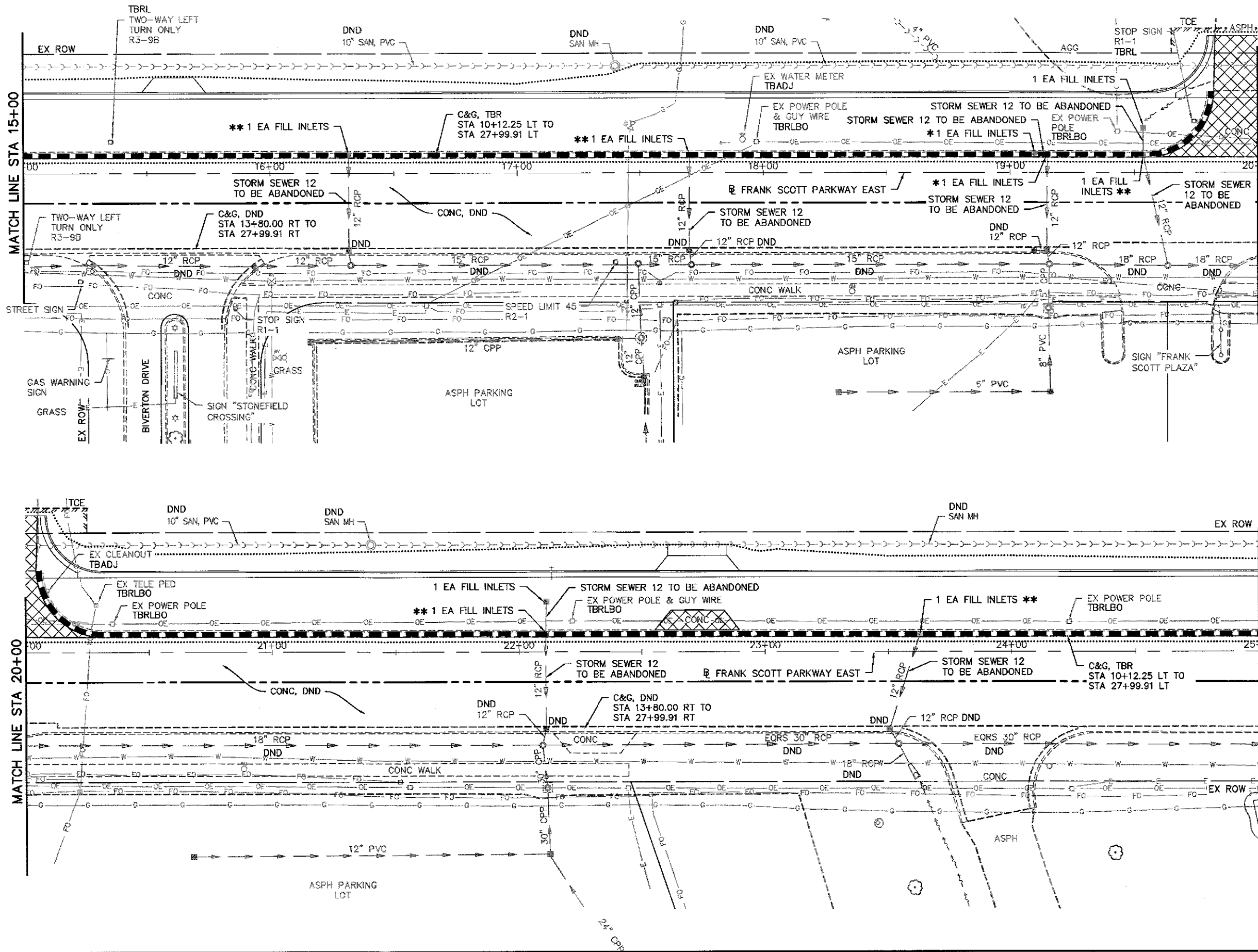
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PLOT DATE =	2017-04-03	CHECKED -	REVISIONS
		DATE -	REVISIONS

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

<b>REMOVAL PLAN</b>	
SCALE: 1" = 20'	SHEET NO. 1 OF 5 SHEETS
STA. 5+00	TO STA. 15+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	83	49
CONTRACT NO. 97582				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

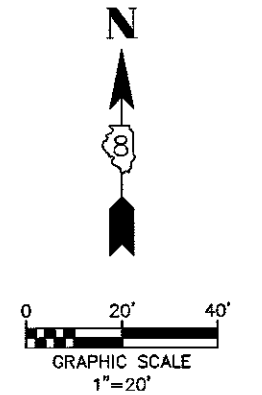




MATCH LINE STA 15+00

MATCH LINE STA 20+00

MATCH LINE STA 25+00



REMOVAL LEGEND	
	DO NOT DISTURB EXISTING DECIDUOUS OR EVERGREEN TREES
	DRIVEWAY PAVEMENT REMOVAL
	PAVEMENT REMOVAL
	CONCRETE CURB & GUTTER REMOVAL
*	TYPE 3 FRAME & GRATE TO BE SALVAGED
**	TYPE 24 FRAME & GRATE TO BE SALVAGED

FILE NAME = 14013 - REMOVAL PLANS.DWG

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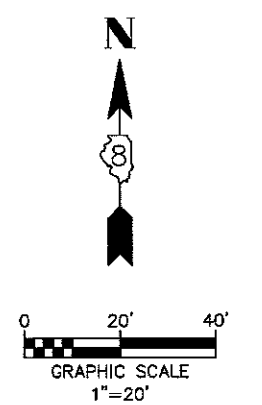
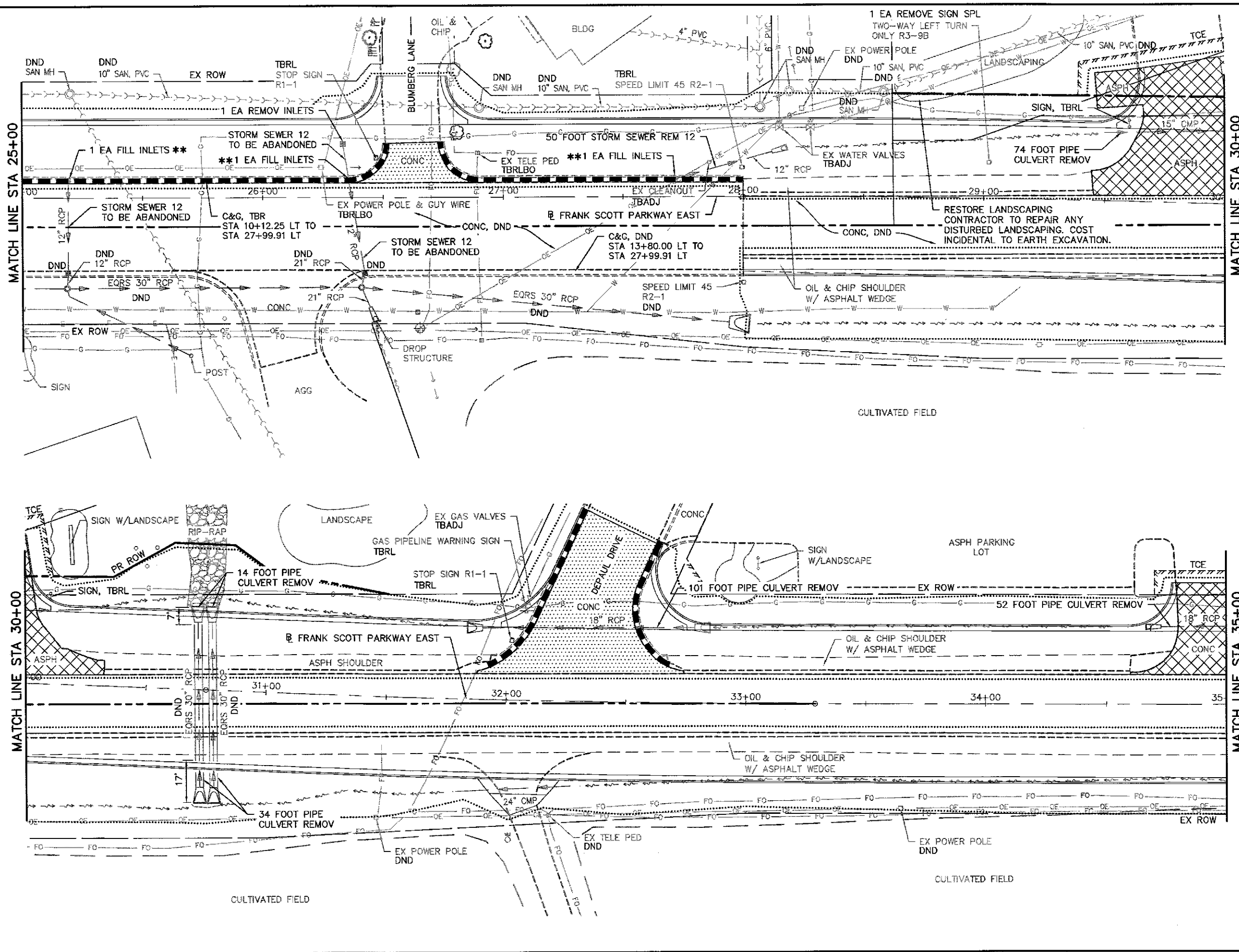
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PLOT SCALE =	1" = 1'	DRAWN -		REVISED -	
PLOT DATE =	2017-03-23	CHECKED -		REVISED -	
		DATE -		REVISED -	

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

**REMOVAL PLAN**

SCALE: 1" = 20'    SHEET NO. 2 OF 5 SHEETS    STA. 15+00 TO STA. 25+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12-00331-14-PW	ST. CLAIR	93	50
CONTRACT NO. 97582				



REMOVAL LEGEND	
	DO NOT DISTURB EXISTING DECIDUOUS OR EVERGREEN TREES
	DRIVEWAY PAVEMENT REMOVAL
	PAVEMENT REMOVAL
	CONCRETE CURB & GUTTER REMOVAL
*	TYPE 3 FRAME & GRATE TO BE SALVAGED
**	TYPE 24 FRAME & GRATE TO BE SALVAGED

FILE NAME = 14013 - REMOVAL PLANS.DWG

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

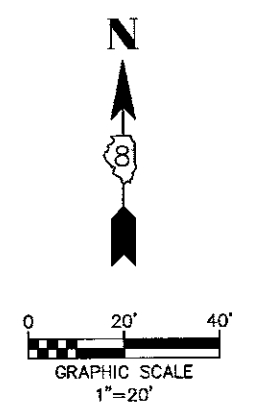
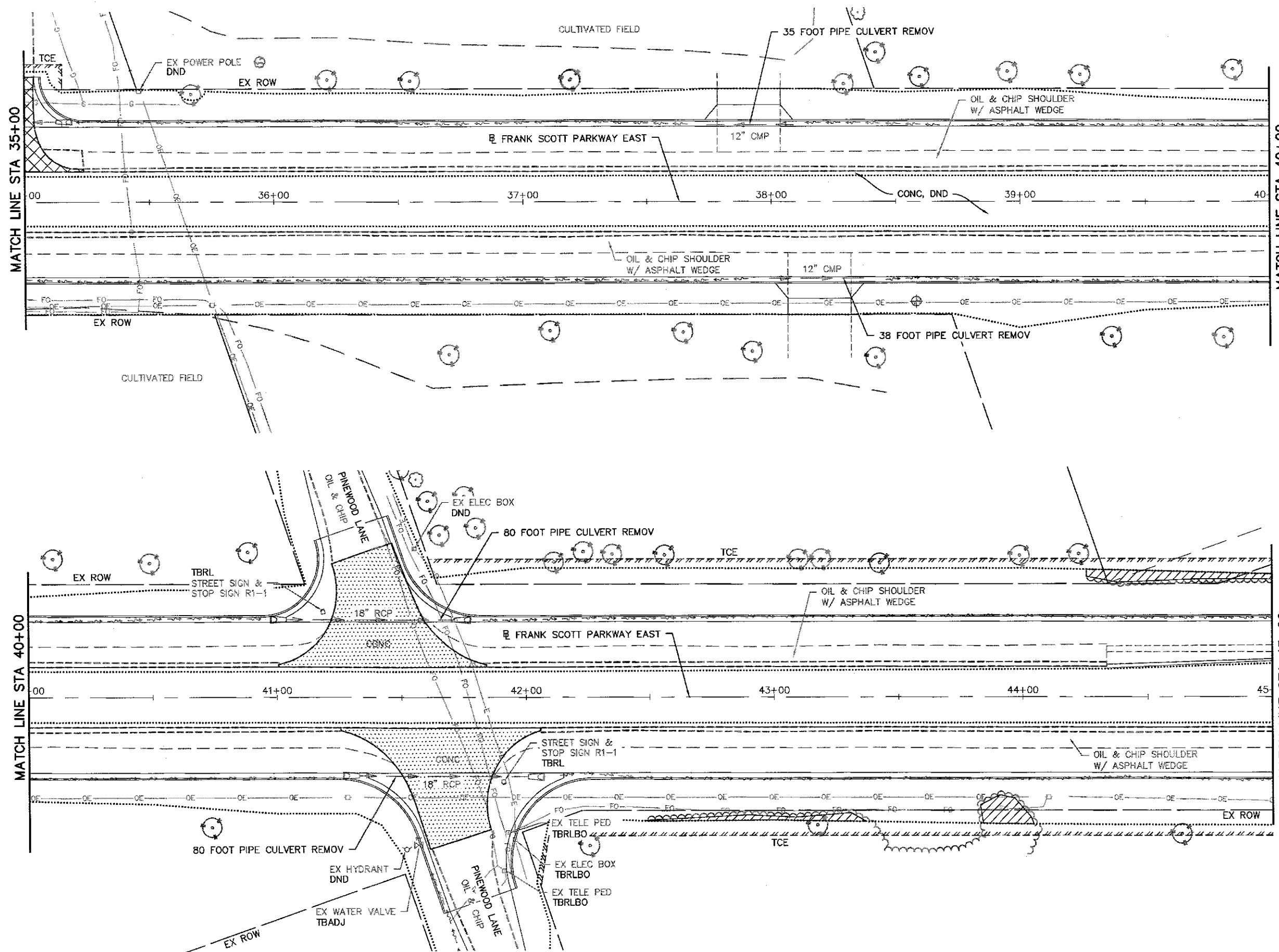
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PLOT SCALE =	1" = 1'	DRAWN -	---	REVISED -	---
PLOT DATE =	2017-03-23	CHECKED -	---	REVISED -	---
		DATE -	---	REVISED -	---

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

**REMOVAL PLAN**

SCALE: 1" = 20'    SHEET NO. 3 OF 5 SHEETS    STA. 25+00 TO STA. 35+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00331 - 14 - PW	ST. CLAIR	93	51
CONTRACT NO. 97582				
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		



REMOVAL LEGEND	
	DO NOT DISTURB EXISTING DECIDUOUS OR EVERGREEN TREES
	DRIVEWAY PAVEMENT REMOVAL
	PAVEMENT REMOVAL
	CONCRETE CURB & GUTTER REMOVAL

FILE NAME = 14018 - REMOVAL PLANS.DWG

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME =	SAM WRIGLEY	DESIGNED -	REVISOR -
PLOT SCALE =	1" = 1'	DRAWN -	REVISOR -
PLOT DATE =	2017-03-23	CHECKED -	REVISOR -
		DATE -	REVISOR -

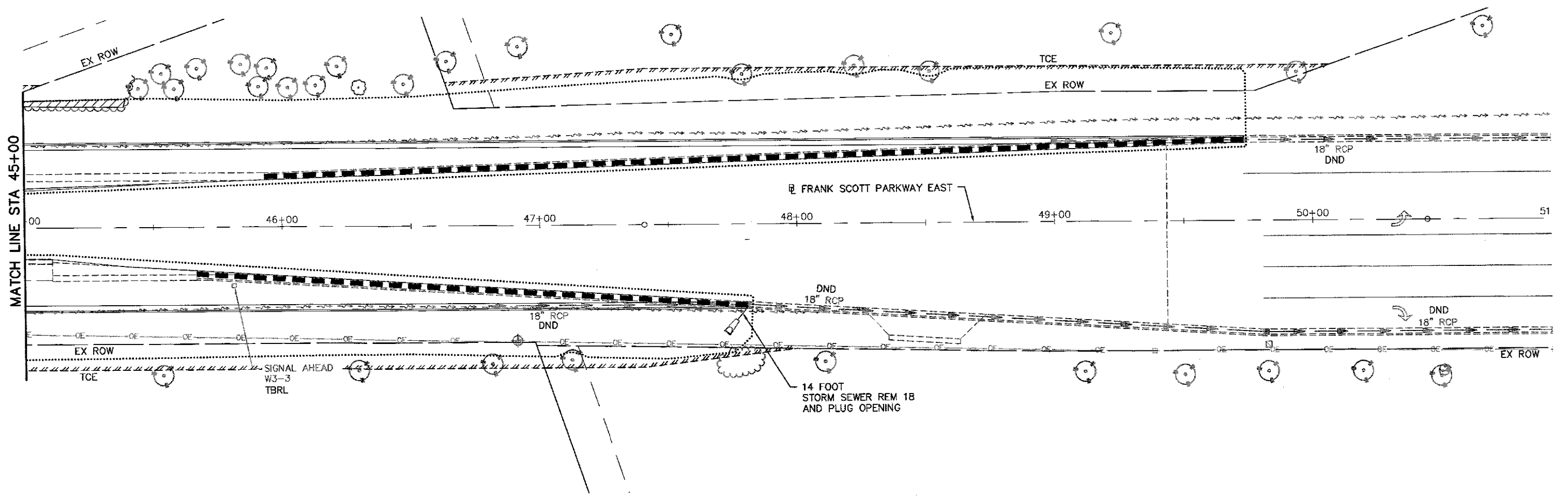
**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

**REMOVAL PLAN**





SCALE: 1" = 20'    SHEET NO. 4 OF 5 SHEETS    STA. 35+00 TO STA. 45+00

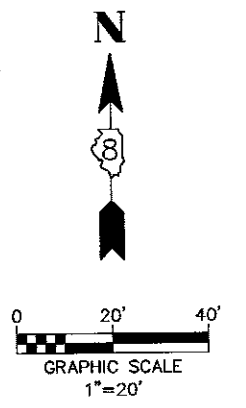
FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00331 - 14 - PW	ST. CLAIR	93	52
FED. ROAD DIST. NO.			CONTRACT NO. 97582	
ILLINOIS FED. AID PROJECT				





### REMOVAL LEGEND

	DO NOT DISTURB EXISTING DECIDUOUS OR EVERGREEN TREES
	DRIVEWAY PAVEMENT REMOVAL
	PAVEMENT REMOVAL
	CONCRETE CURB & GUTTER REMOVAL



FILE NAME = 14013 - REMOVAL PLANS.DWG

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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

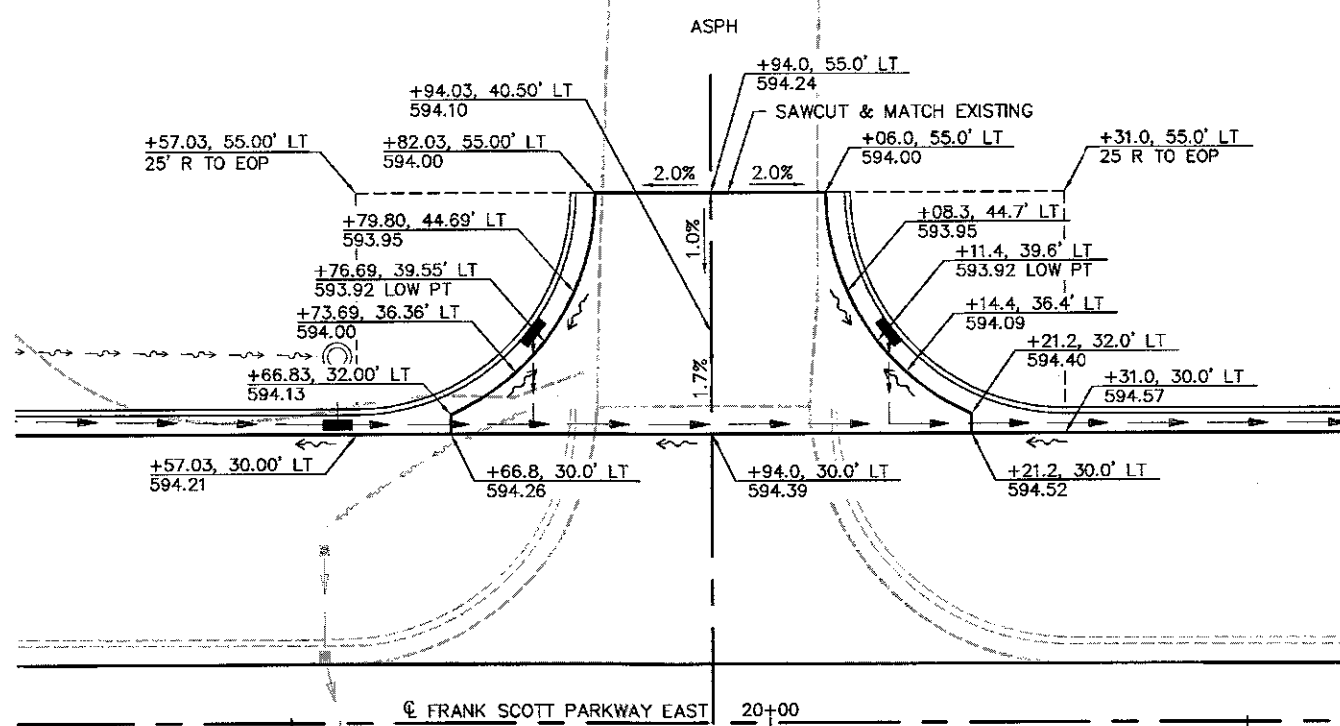
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PLOT SCALE =	1" = 1'	DRAWN -	---	REVISED -	---
PLOT DATE =	2017-03-23	CHECKED -	---	REVISED -	---
		DATE -	---	REVISED -	---



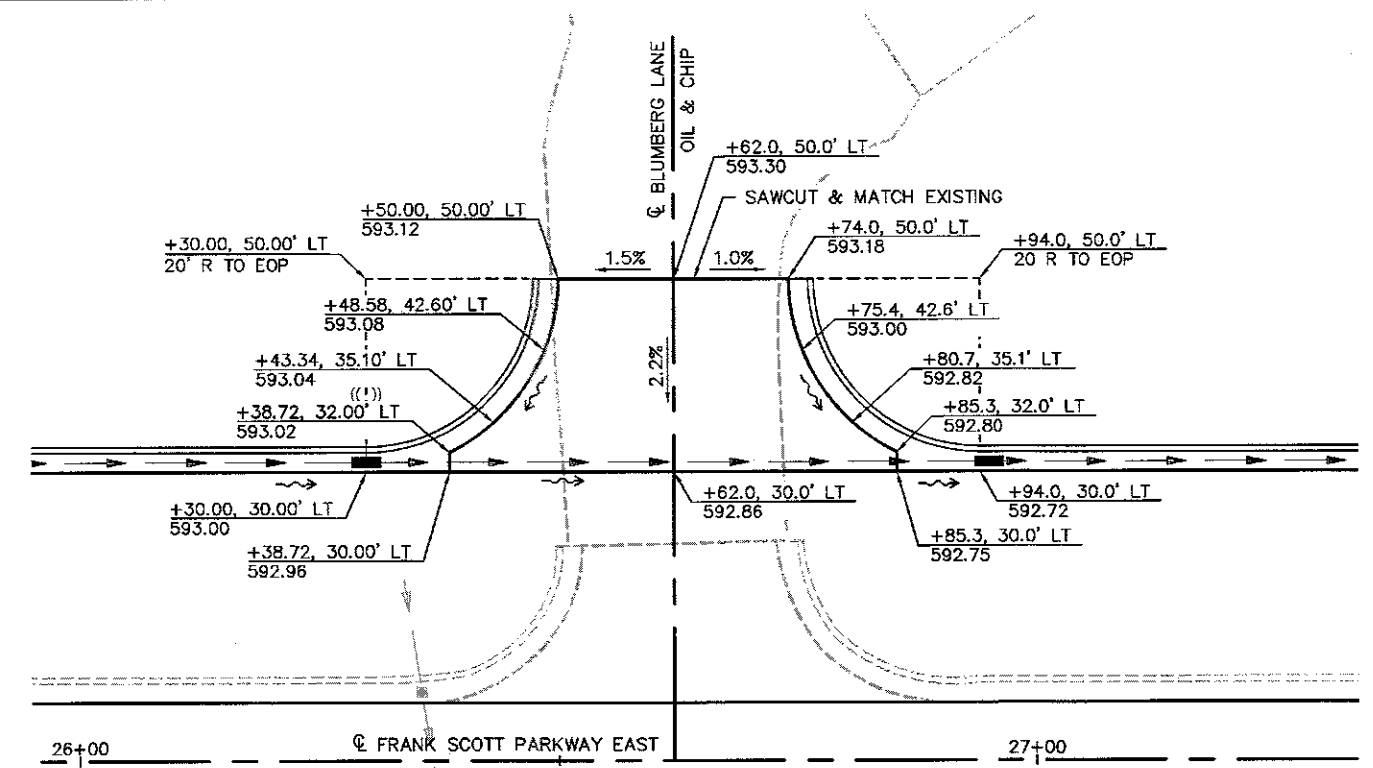
**ST. CLAIR COUNTY DEPARTMENT  
OF ROADS AND BRIDGES**

REMOVAL PLAN			
SCALE: 1" = 20'	SHEET NO. 5 OF 5 SHEETS	STA. 45+00 TO STA. 55+00	

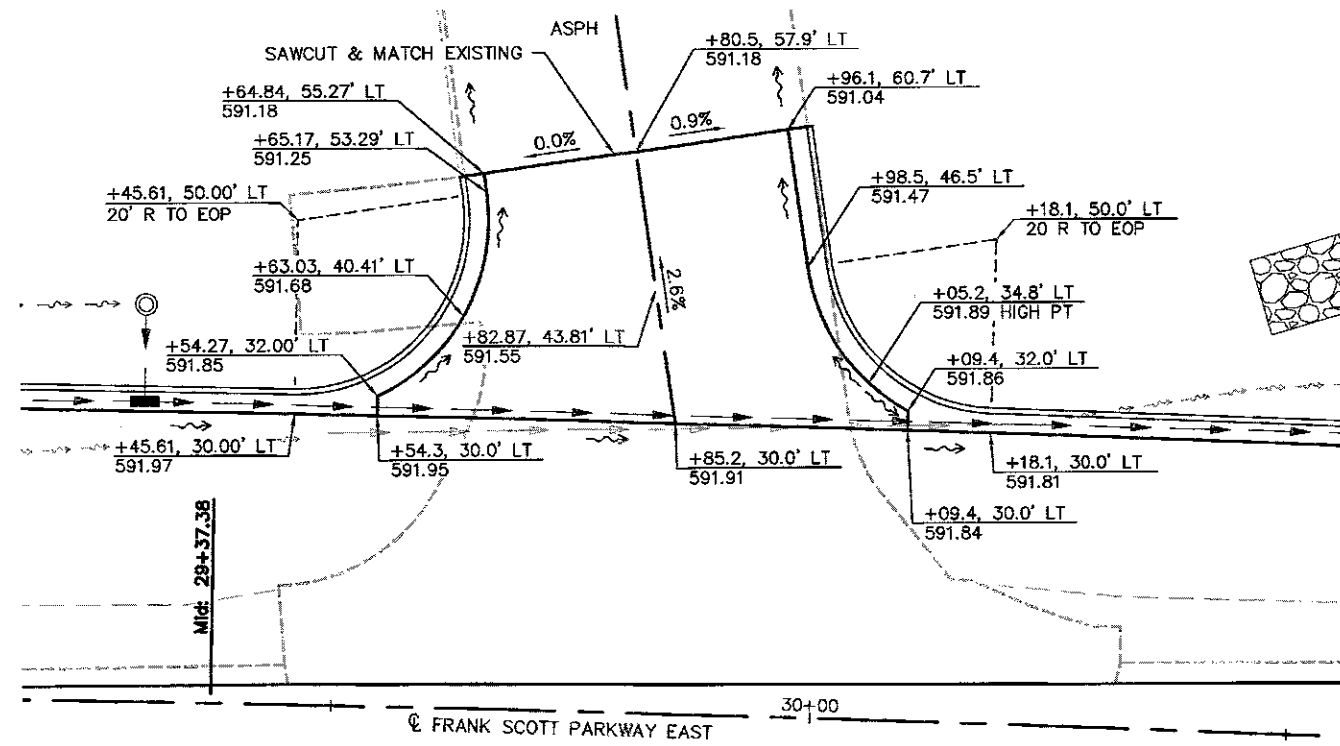
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00331 - 14 - PW	ST. CLAIR	93	53
CONTRACT NO. 97582				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



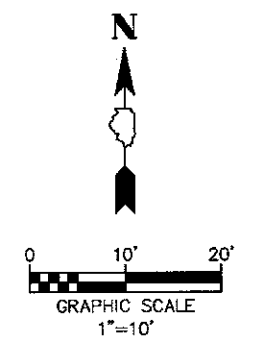
**ENTRANCE LAYOUT  
LAKEVIEW MEMORIAL GARDENS  
19+94 - LT**



**INTERSECTION LAYOUT  
BLUMBERG LANE  
26+62 - LT**



**ENTRANCE LAYOUT  
CHRIST UNITED METHODIST CHURCH  
29+90 - LT**



FILE NAME = 14013 - INTERSECTION DETAILS.DWG

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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

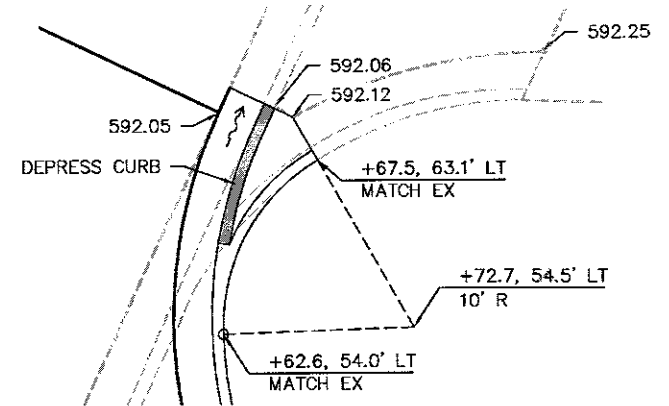
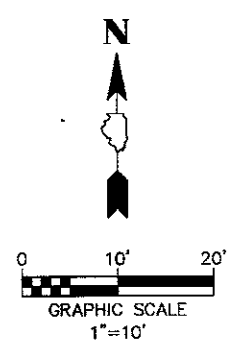
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PLOT DATE =	2017-03-23	CHECKED -		REVISED -	
		DATE -		REVISED -	



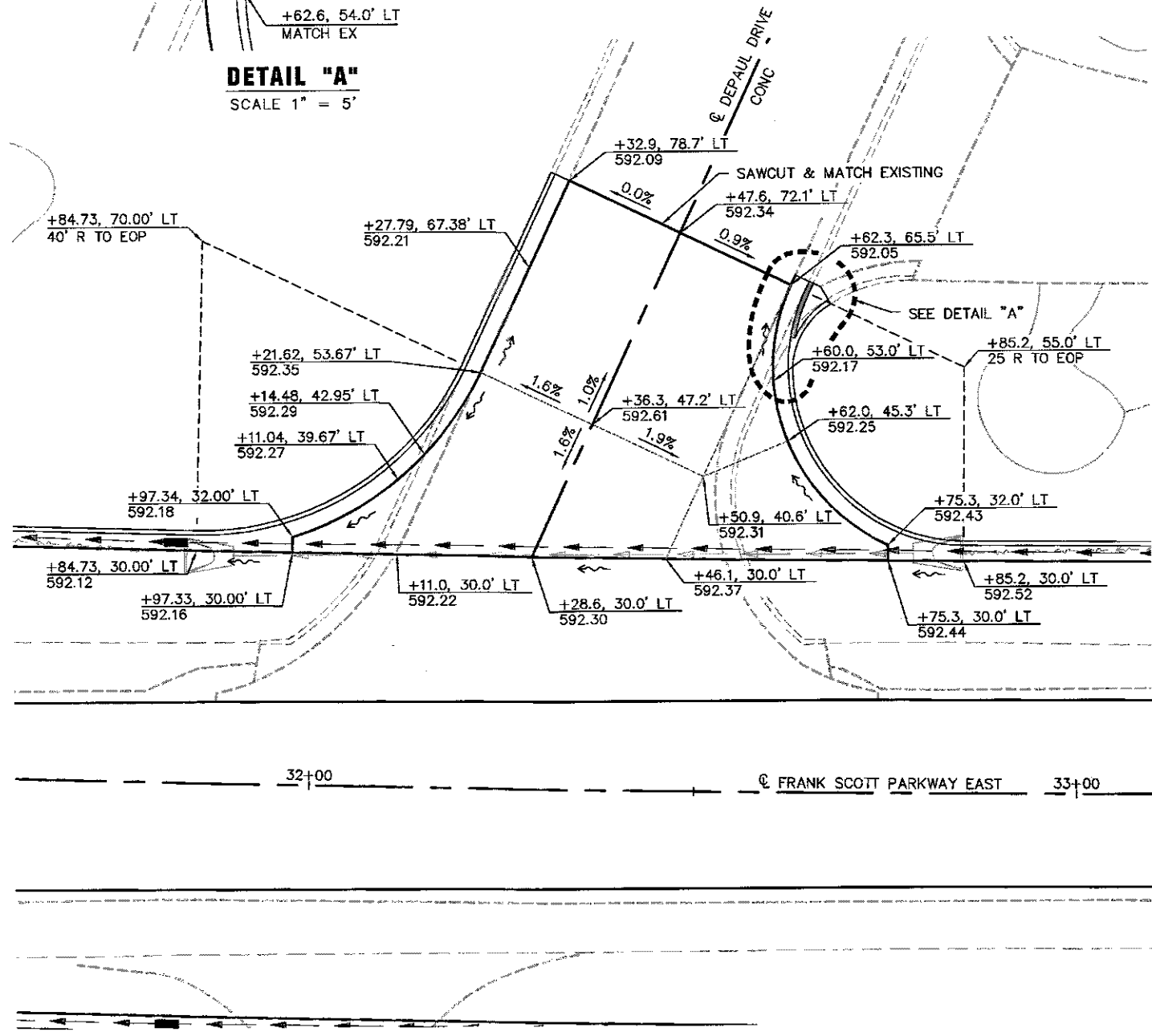
**ST. CLAIR COUNTY DEPARTMENT  
OF ROADS AND BRIDGES**

INTERSECTION DETAILS			
SCALE: 1" = 10'	SHEET NO. 1 OF 3 SHEETS	STA. 19+00 TO STA. 31+00	

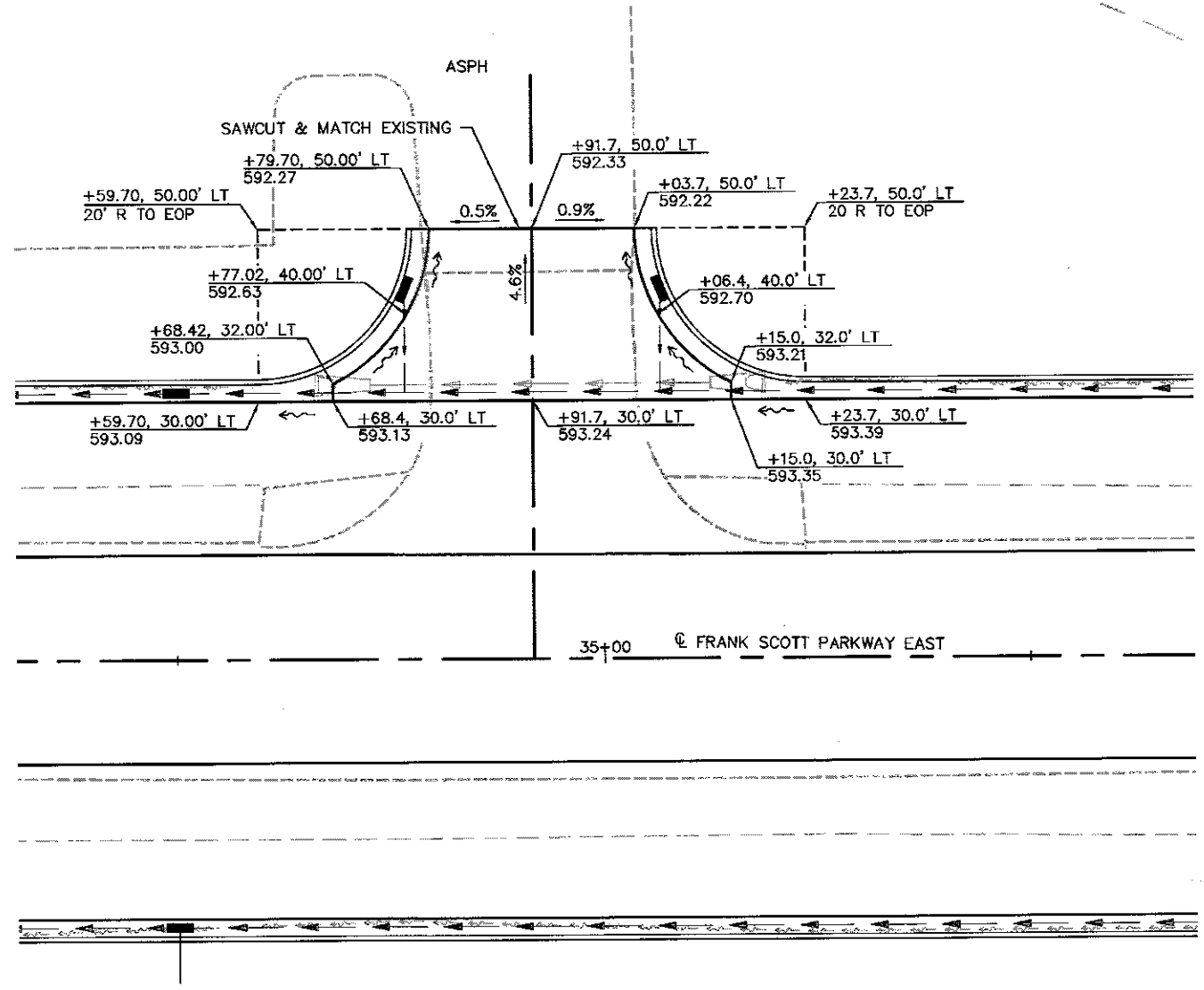
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12-00301-14-PW	ST. CLAIR	93	54
CONTRACT NO. 97582				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**DETAIL "A"**  
SCALE 1" = 5'



**INTERSECTION LAYOUT  
DEPAUL DRIVE  
32+15 - LT**



**INTERSECTION LAYOUT  
COMMERCIAL ENTRANCE  
34+92 - LT**

FILE NAME = 14013 - INTERSECTION DETAILS.DWG

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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

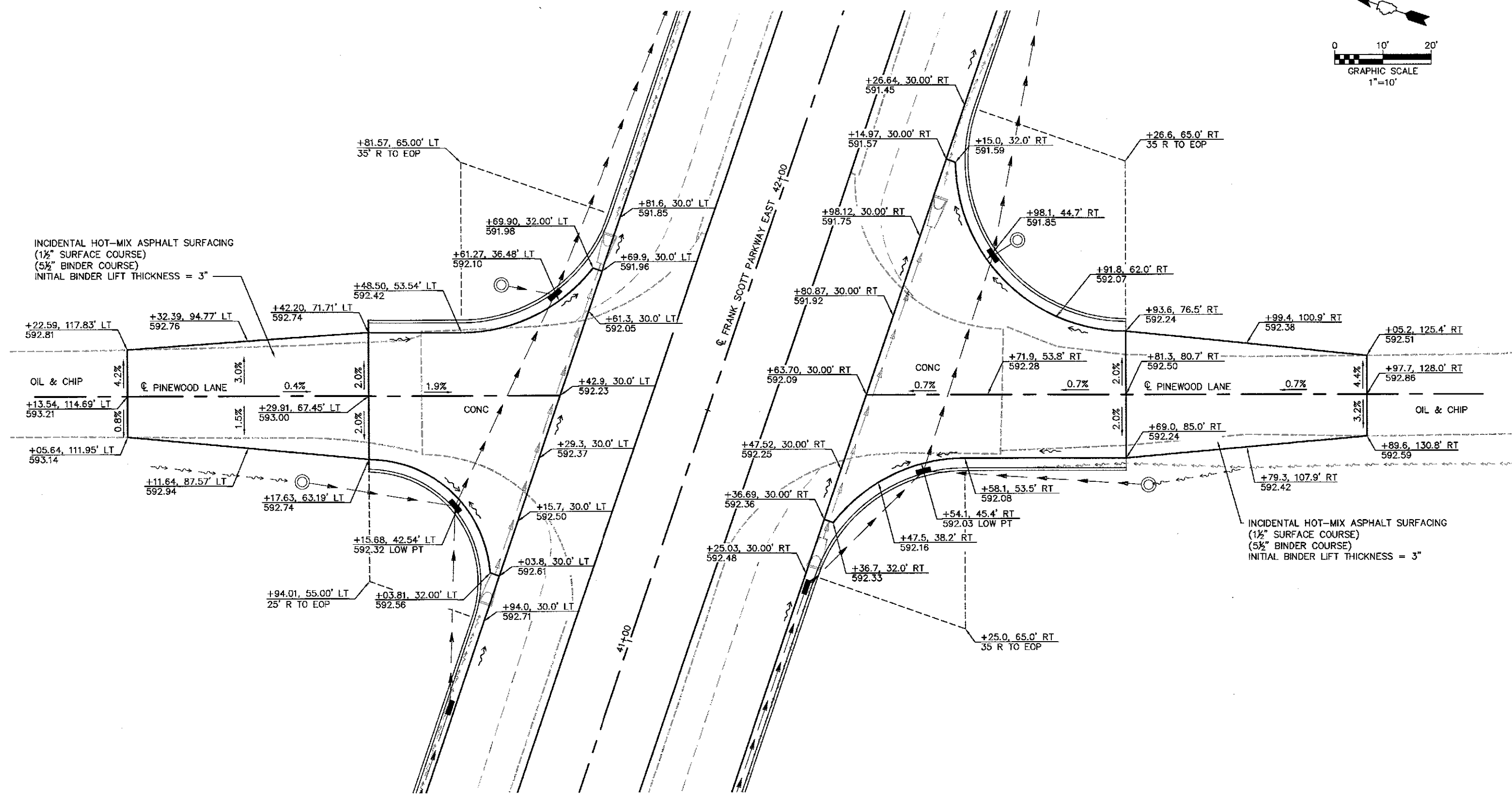
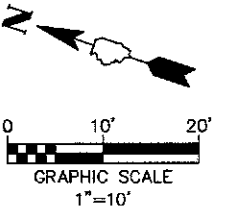
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PLOT DATE =	2017-03-23	DATE -	---	REVISED -	---



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

INTERSECTION DETAILS			
SCALE: 1" = 10'	SHEET NO. 2 OF 3 SHEETS	STA. 31+00 TO STA. 36+00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	55
CONTRACT NO. 97582			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



FILE NAME = 14013 - INTERSECTION DETAILS.DWG

**DATES ASSOCIATES**  
Consulting Engineers  
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ILLINOIS DESIGN FIRM LICENSE NO. 184.001115

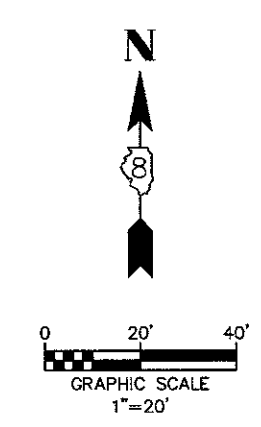
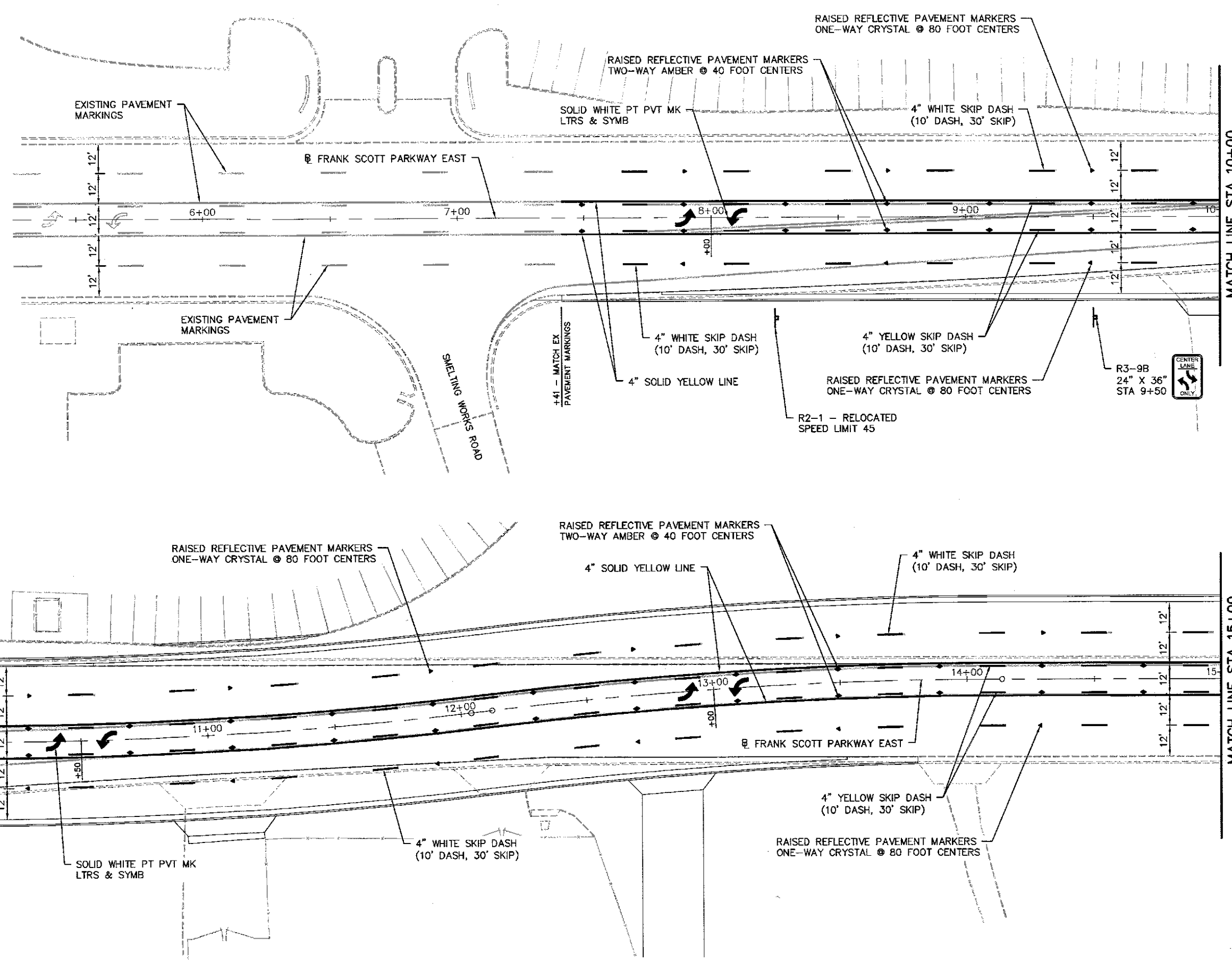
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DRAWN -		REVISD -	
CHECKED -		REVISD -	
DATE =	2017-03-23	REVISD -	
PLOT SCALE =	1" = 1'		



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

INTERSECTION DETAILS			
SCALE: 1" = 10'	SHEET NO. 3 OF 3 SHEETS	STA. 40+00 TO STA. 43+00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0330	12-00301-14-PW	ST. CLAIR	93	56
CONTRACT NO. 97582				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



FILE NAME = 14013 - PAVEMENT MARKINGS.DWG

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

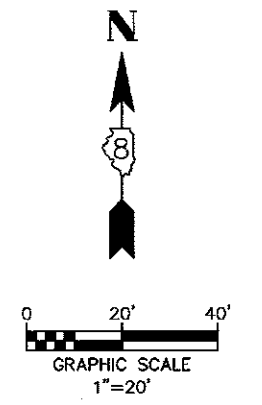
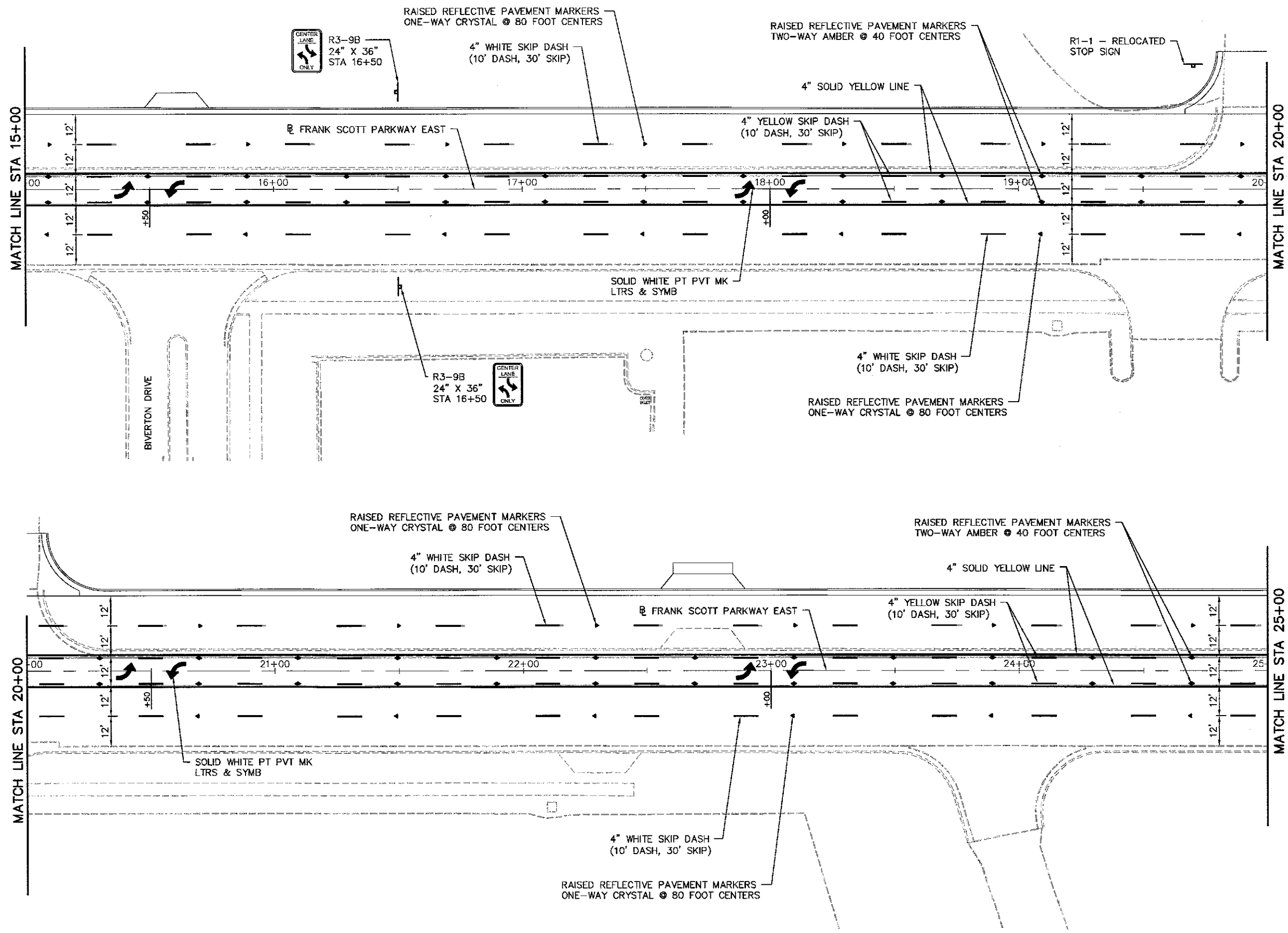
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PLOT SCALE =	1" = 1'	DRAWN -	---	REVISED -	---
PLOT DATE =	2017-03-23	CHECKED -	---	REVISED -	---
DATE -	---	DATE -	---	REVISED -	---

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

**PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20'    SHEET NO. 1 OF 5 SHEETS    STA. 5+00 TO STA. 15+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12-00301-14-PW	ST. CLAIR	93	57
CONTRACT NO. 97582				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



FILE NAME = 14013 - PAVEMENT MARKINGS.DWG

**DATES ASSOCIATES**  
Consulting Engineers  
www.datesassociates.com  
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

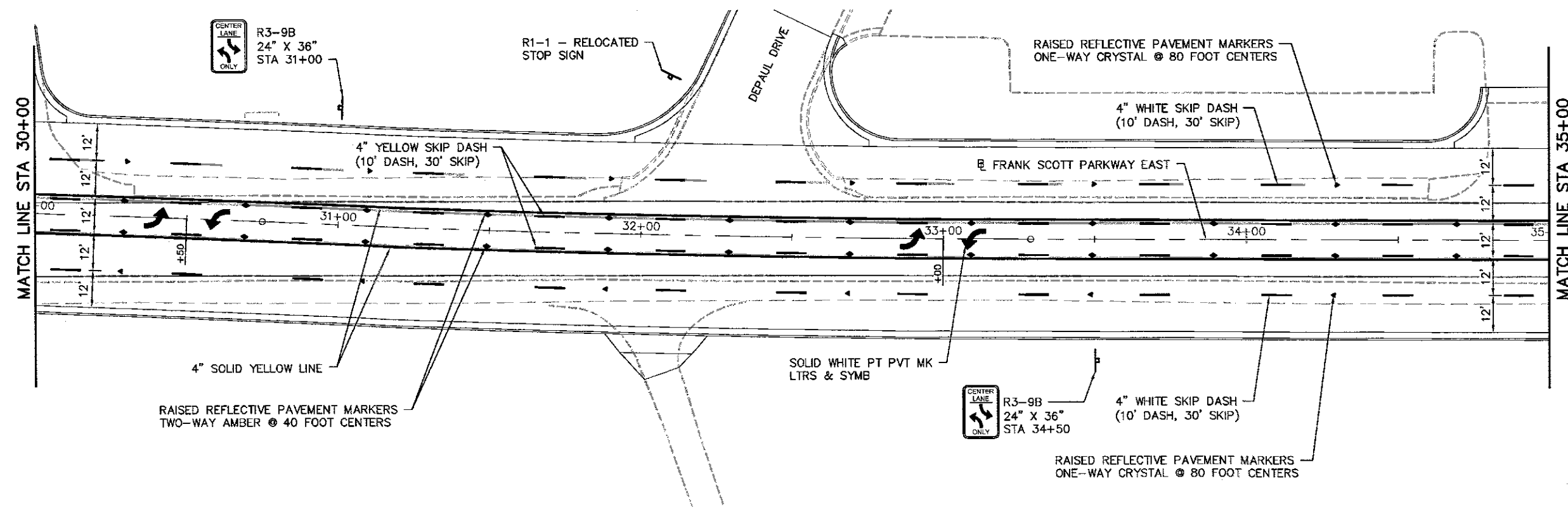
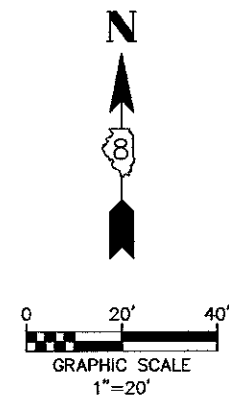
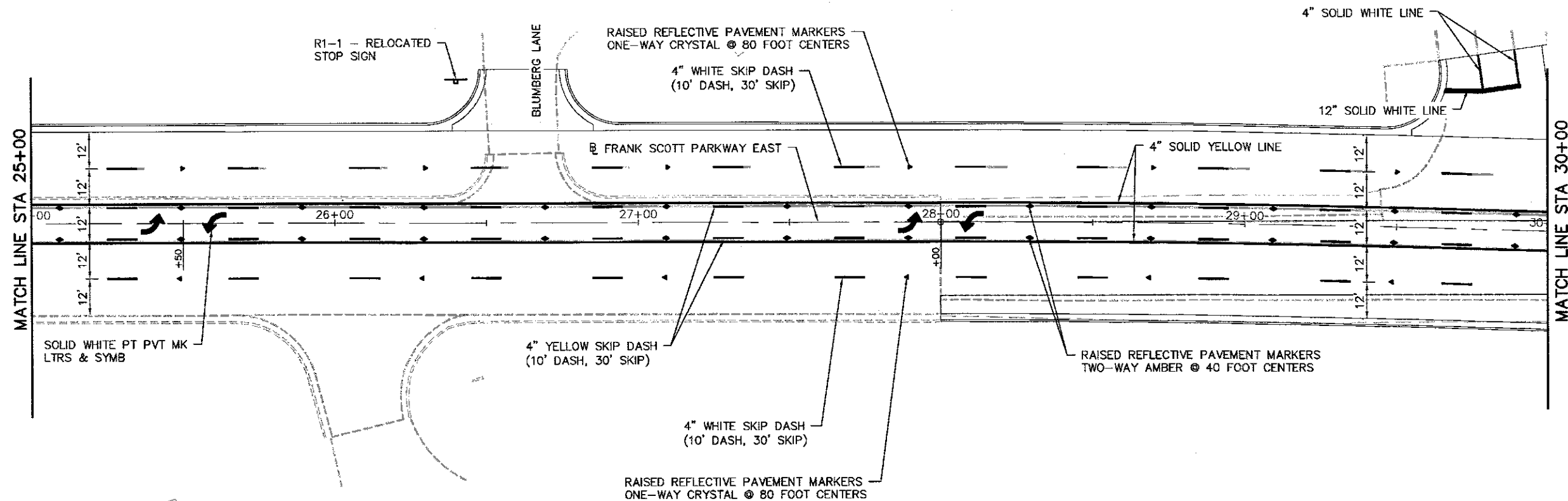
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PLOT DATE =	2017-03-23	CHECKED -	REVISD -
		DATE -	REVISD -



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

**PAVEMENT MARKING AND SIGNING PLAN**  
SCALE: 1" = 20' SHEET NO. 2 OF 5 SHEETS STA. 15+00 TO STA. 25+00

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	58
CONTRACT NO. 97582				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FILE NAME = 14013 - PAVEMENT MARKINGS.DWG

**OATES ASSOCIATES**  
 Consulting Engineers  
 www.oatesassociates.com  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.091115

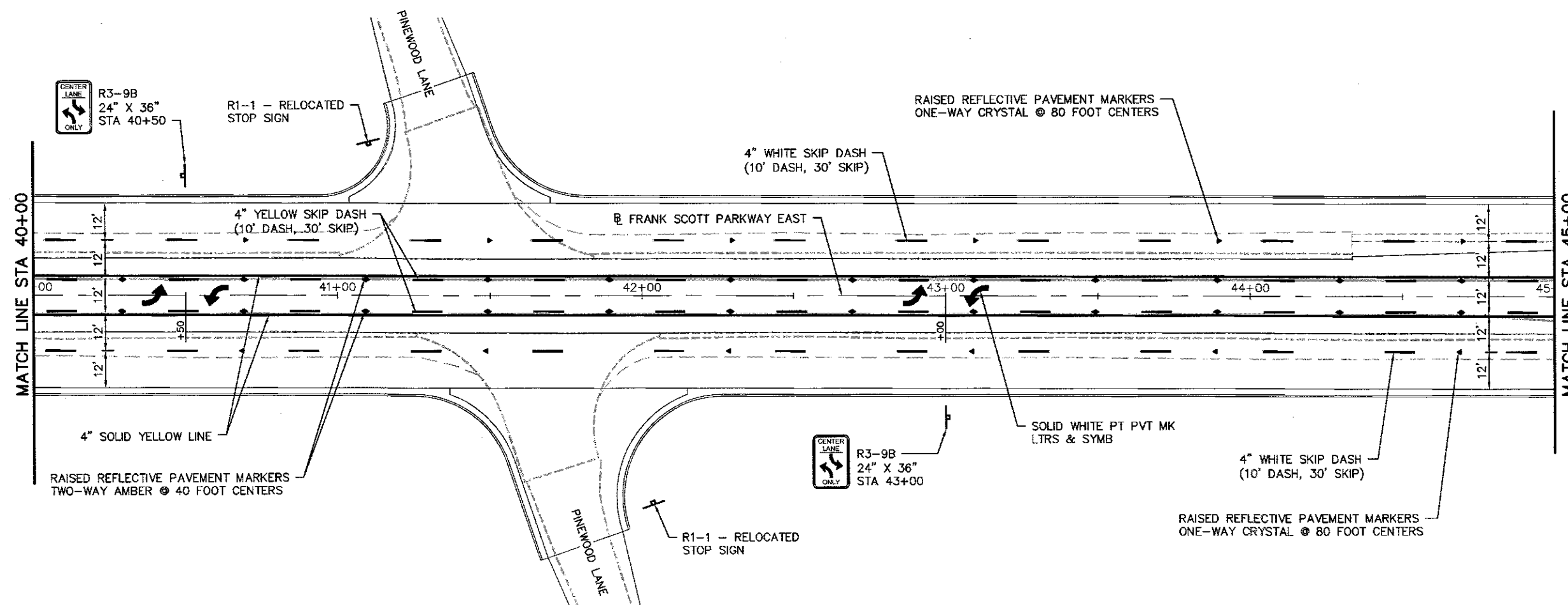
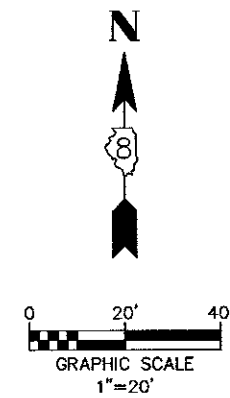
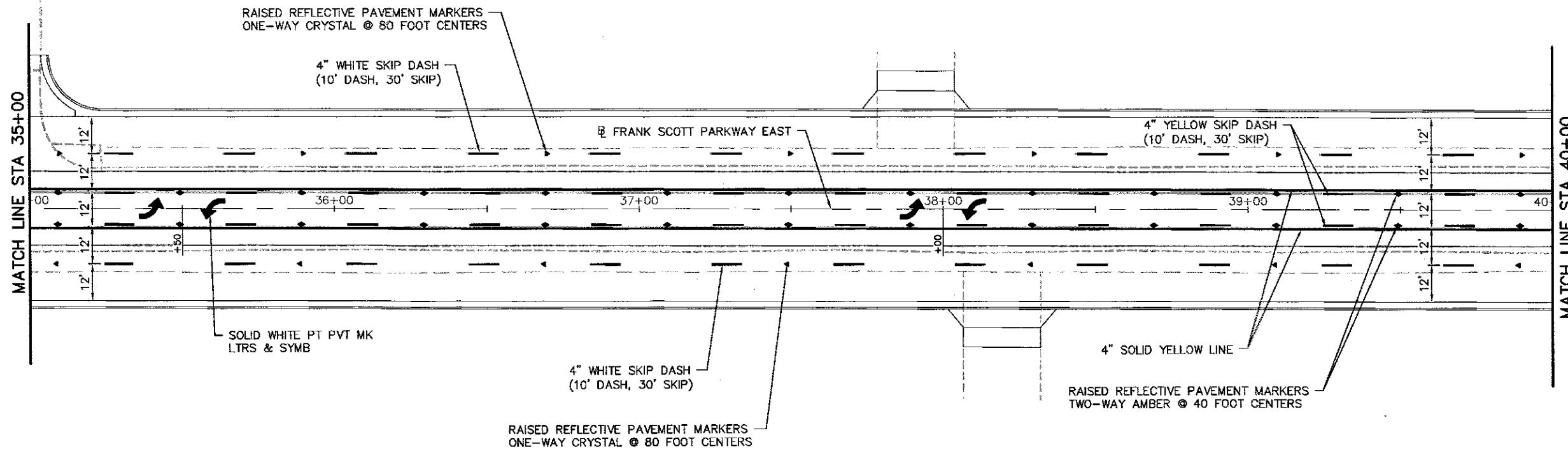
USER NAME =	SAM WRIGLEY	DESIGNED -		REVISED -	
PLOT SCALE =	1" = 1'	DRAWN -		REVISED -	
PLOT DATE =	2017-03-23	CHECKED -		REVISED -	
		DATE -		REVISED -	


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

**PAVEMENT MARKING AND SIGNING PLAN**  
 SCALE: 1" = 20' SHEET NO. 3 OF 5 SHEETS STA. 25+00 TO STA. 35+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12-00301-14-PW	ST. CLAIR	93	59
CONTRACT NO. 97582				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	





FILE NAME = 14013 - PAVEMENT MARKINGS.DWG

**OATES ASSOCIATES**  
Consulting Engineers  
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ILLINOIS DESIGN FIRM LICENSE NO. 184.001115

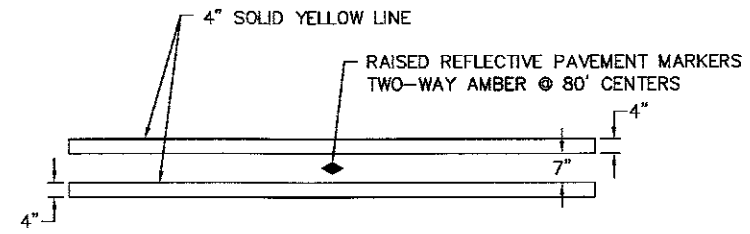
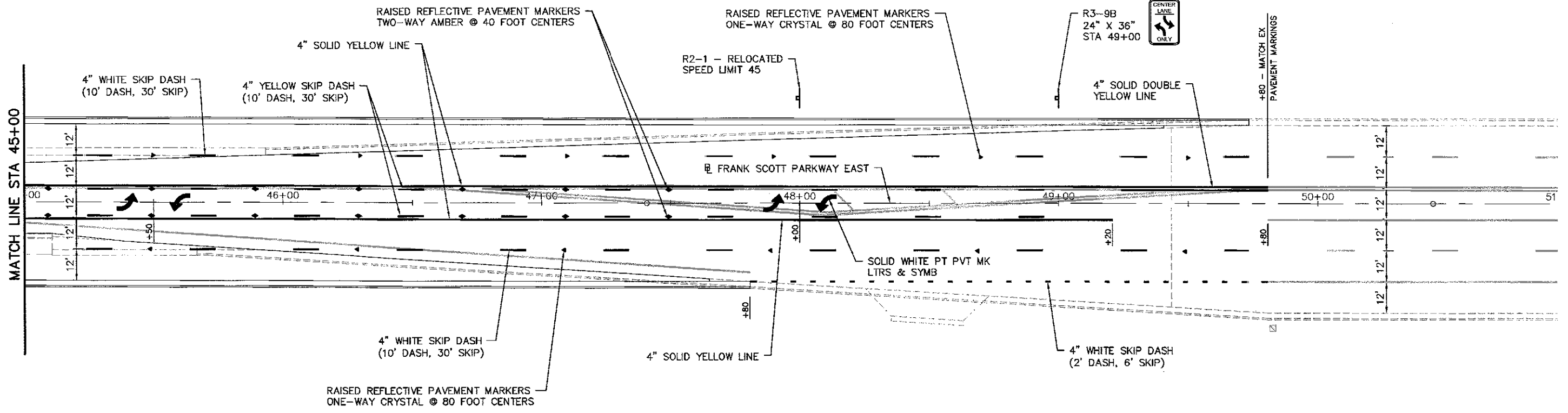
USER NAME =	SAM WRIGLEY	DESIGNED -		REVISED -	
PLOT SCALE =	1" = 1'	DRAWN -		REVISED -	
PLOT DATE =	2017-03-23	CHECKED -		REVISED -	
		DATE -		REVISED -	

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

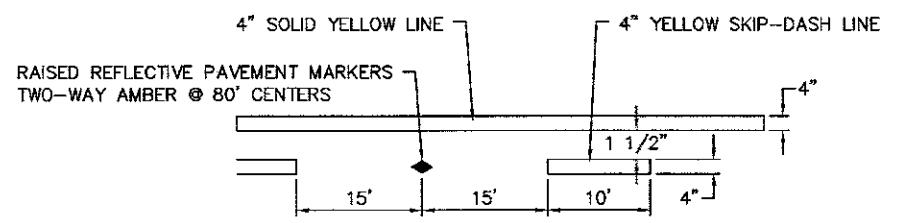
**PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20'    SHEET NO. 4 OF 5 SHEETS    STA. 35+00 TO STA. 45+00

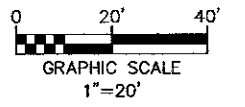
FAU R/E	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S330	12 - 00301 - 14 - PW	ST. CLAIR	99	60
CONTRACT NO. 97582				
FED. ROAD DIST. NO.    ILLINOIS    FED. AID PROJECT				



**TYPICAL APPLICATION FOR DOUBLE SOLID YELLOW LINES WITH RAISED REFLECTIVE PAVEMENT MARKINGS**



**TYPICAL APPLICATION FOR SOLID YELLOW, SKIP-DASH LANE LINES WITH RAISED REFLECTIVE PAVEMENT MARKINGS**



FILE NAME = 14013 - PAVEMENT MARKINGS.DWG

**DATES ASSOCIATES**  
Consulting Engineers  
www.datesassociates.com  
ILLINOIS DESIGN FIRM LICENSE NO.: 184,001115

USER NAME =	SAM WRIGLEY	DESIGNED -	---	REVISED -	---
PLOT SCALE =	1" = 1'	DRAWN -	---	REVISED -	---
PLOT DATE =	2017-03-23	CHECKED -	---	REVISED -	---
		DATE -	---	REVISED -	---

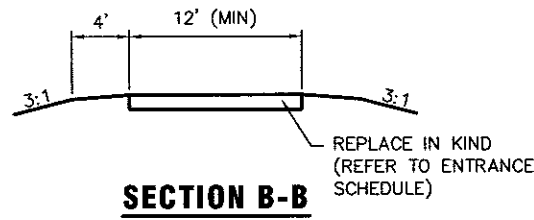


**ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

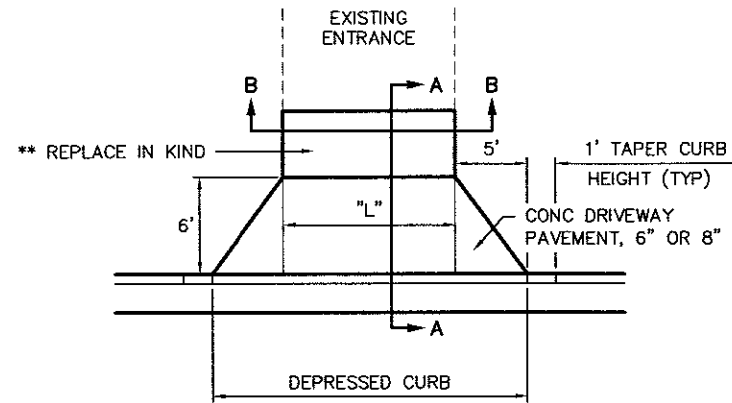
**PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20' SHEET NO. 5 OF 5 SHEETS STA. 45+00 TO STA. 55+00

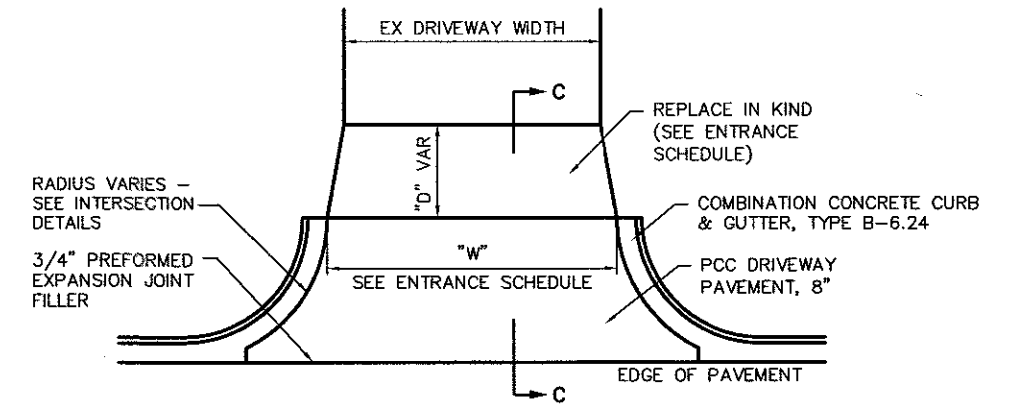
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12-00301-14-PW	ST. CLAIR	93	61
FED. ROAD DIST. NO.			CONTRACT NO. 97582	
ILLINOIS			FED. AID PROJECT	



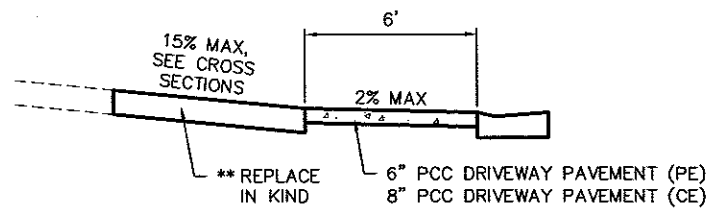
**SECTION B-B**



**PRIVATE ENTRANCE DETAIL**

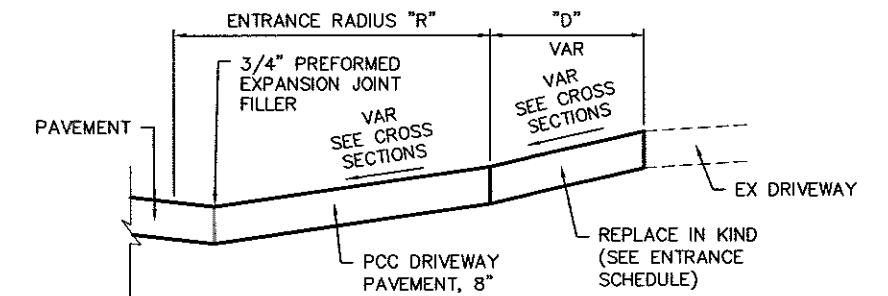


**COMMERCIAL ENTRANCE DETAIL**



**SECTION A-A**

- \*\* IF THE EXISTING SURFACE = ASPHALT SURFACE  
THEN THE PROPOSED = 4" (COMPACTED) AGG. BASE COURSE, TYPE A (PE)  
6" (COMPACTED) AGG. BASE COURSE, TYPE A (CE)  
PLUS  
BITUMINOUS MATERIALS PRIME COAT  
AGGREGATE PRIME COAT  
2" INCIDENTAL HOT MIX ASPHALT SURFACING
- IF THE EXISTING SURFACE = CONCRETE  
THEN THE PROPOSED = 6" PCC DRIVEWAY PAVEMENT (PE)  
8" PCC DRIVEWAY PAVEMENT (CE)
- IF THE EXISTING SURFACE = AGGREGATE  
THEN THE PROPOSED = 4" (COMPACTED) AGG BASE COURSE, TYPE B (PE)  
6" (COMPACTED) AGG BASE COURSE, TYPE B (CE)



NOTE: HIGH EARLY STRENGTH CONCRETE SHALL BE USED.

**SECTION C-C**

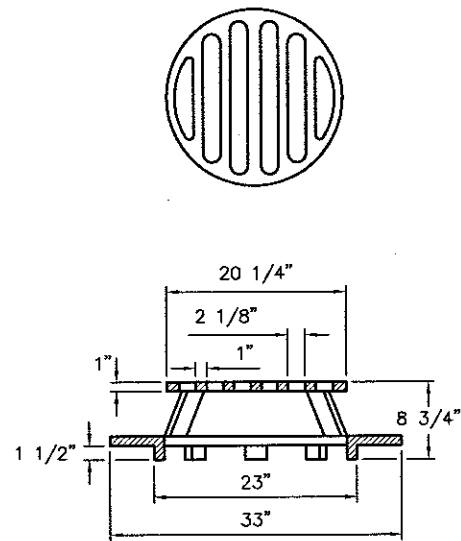
FILE NAME = 14013 - DETAILS.DWG

USER NAME =	SAM WRIGLEY	DESIGNED -	---	REVISED -	---
DRAWN -	---	REVISED -	---	REVISED -	---
PLOT SCALE =	1" = 1'	CHECKED -	---	REVISED -	---
PLOT DATE =	2017-03-23	DATE -	---	REVISED -	---

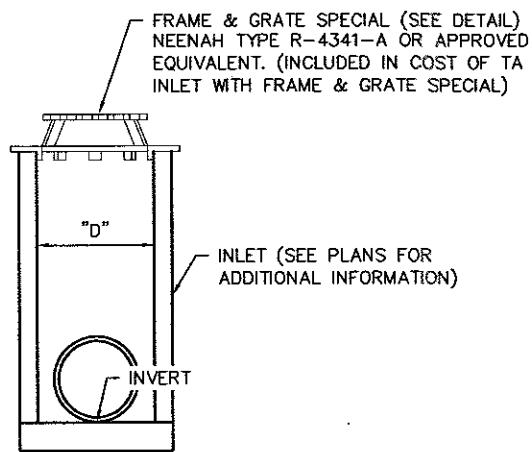


<b>DETAILS</b>			
SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

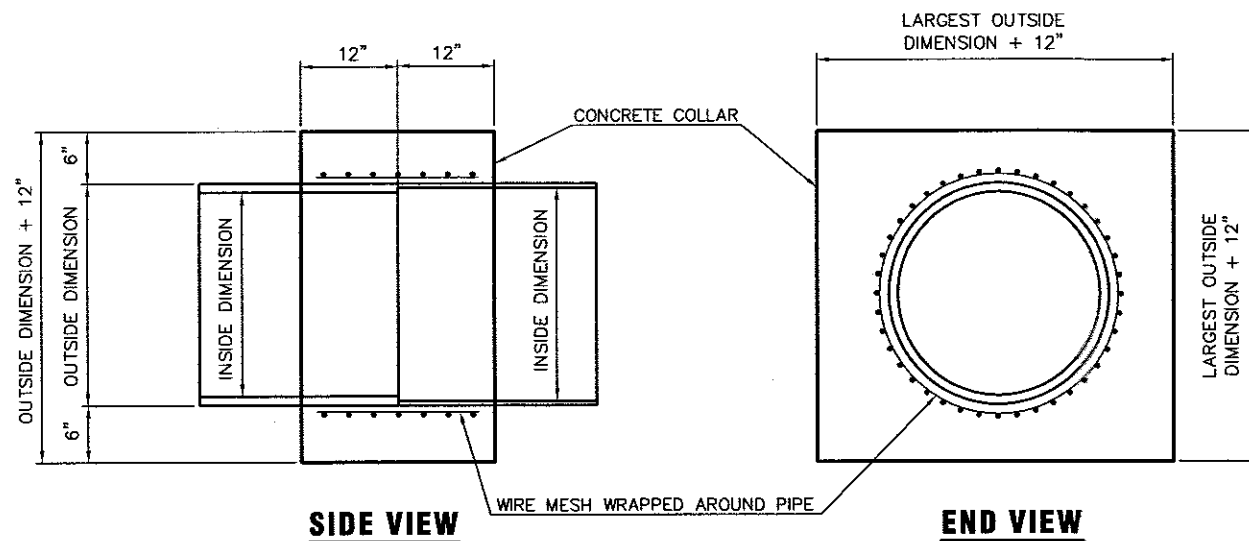
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	62
FED. ROAD DIST. NO. _____			CONTRACT NO. 97582	
ILLINOIS			FED. AID PROJECT	



**FRAME & GRATE SPECIAL**  
(NOT TO SCALE)



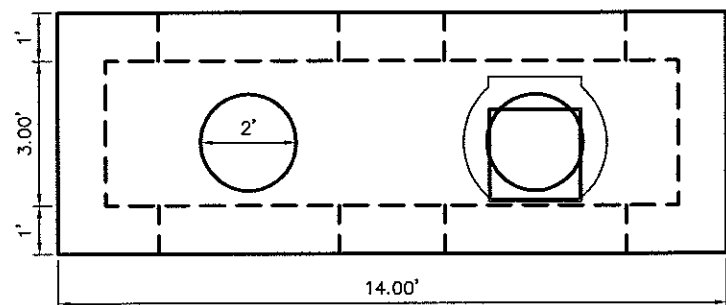
**INLET TA WITH SPECIAL FRAME & GRATE**  
(NOT TO SCALE)



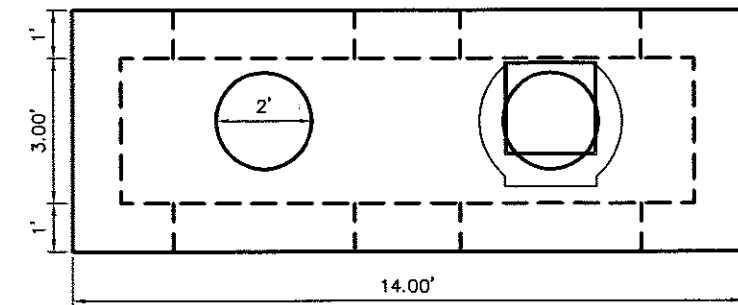
**CONCRETE COLLAR DETAIL**  
(NOT TO SCALE)

**GENERAL NOTES**

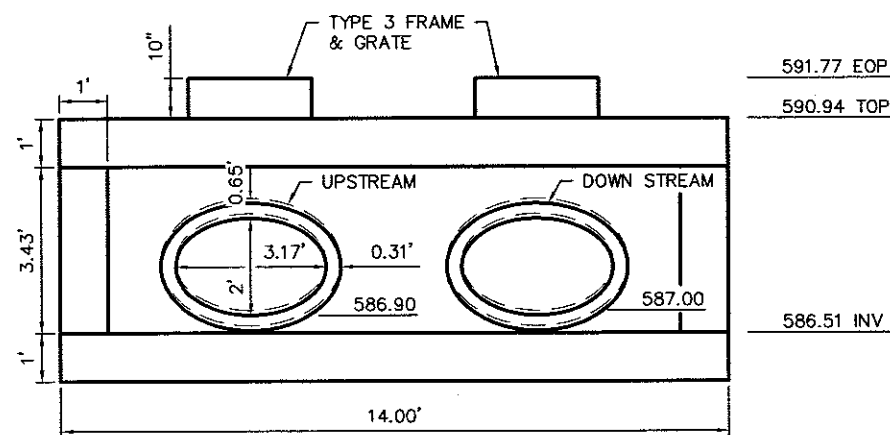
1. CLASS MS CONCRETE SHALL BE USED THROUGHOUT.
2. WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIMENSIONS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIMENSION. (SEE END VIEW)
3. THE WIRE MESH SHALL WEIGHT NOT LESS THAN 54 POUNDS PER 100 SQ. FT.
4. CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, EACH, FOR CONCRETE COLLARS INCLUDING ALL MATERIAL AND LABOR SPECIFIED TO COMPLETE THE WORK IN PLACE.



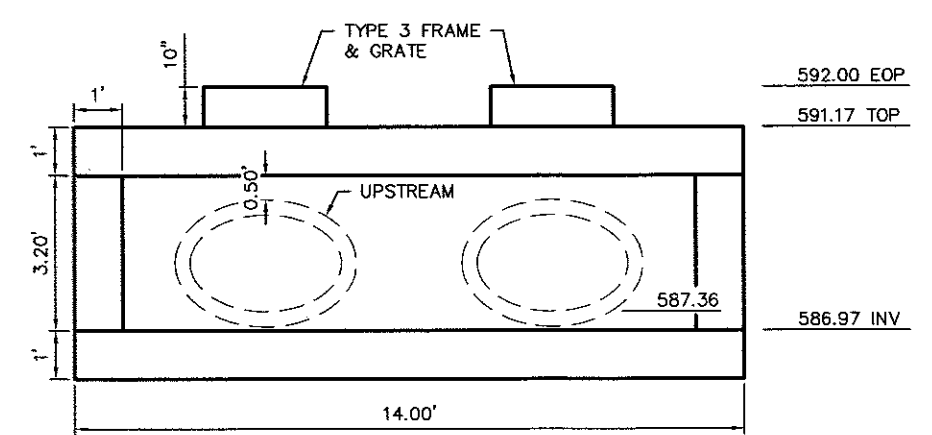
**PLAN**  
(NOT TO SCALE)



**PLAN**  
(NOT TO SCALE)



**INLET, SPECIAL 30+73 LT**  
(NOT TO SCALE)

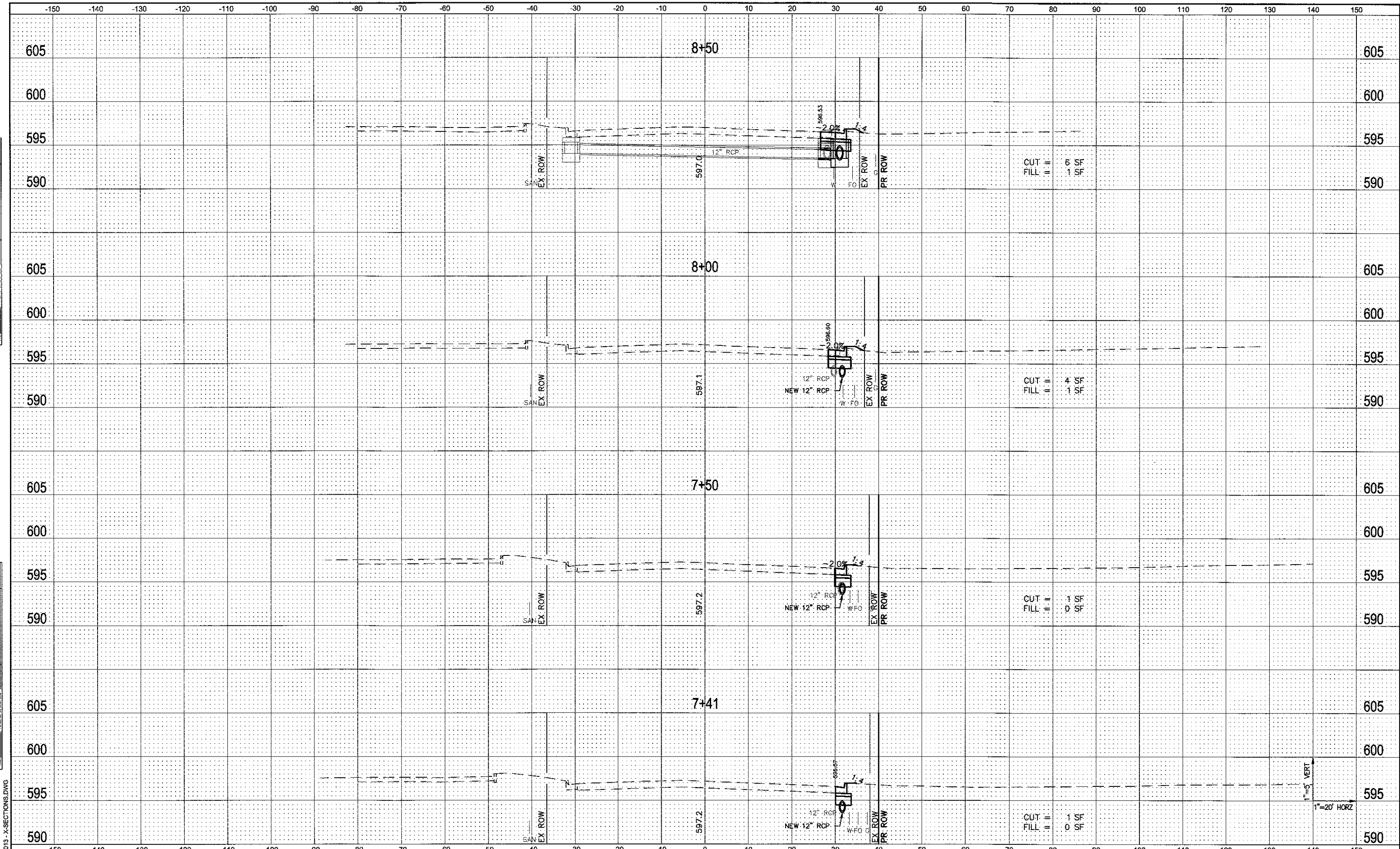


**INLET, SPECIAL 30+76 RT**  
(NOT TO SCALE)

FILE NAME = 14013 - DETAILS.DWG

DATE	
BY	
FINAL SURVEY	
NOTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



FILE NAME = 14013 - X-SECTIONS.DWG

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

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 6" = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2017-03-23	CHECKED - AJG	REVISED -
	DATE - 2008-02-25	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

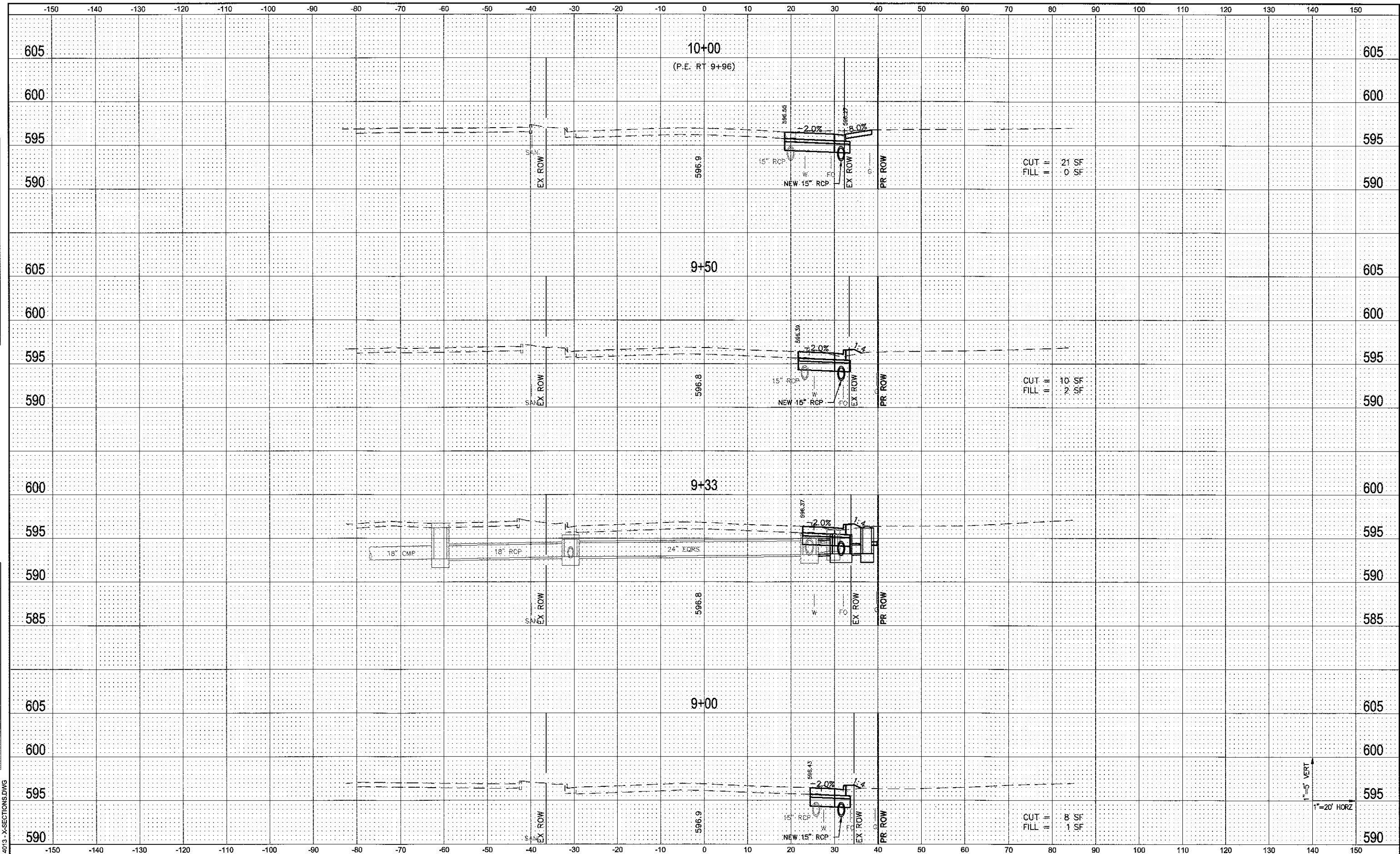
SCALE: SHEET NO. 1 OF 30 SHEETS STA. 7+41 TO STA. 8+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	64
CONTRACT NO. 97582				
FED. ROAD DIST. NO.		ILLINOIS   FED. AID PROJECT		

1" = 5' VERT  
 1" = 20' HORZ

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = 14013 - X-SECTIONS.DWG

**OATES ASSOCIATES**  
 Consulting Engineers  
 www.oatesassociates.com  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184 001115

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 6" = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2017-03-23	CHECKED - AJG	REVISED -
	DATE - 2008-02-25	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

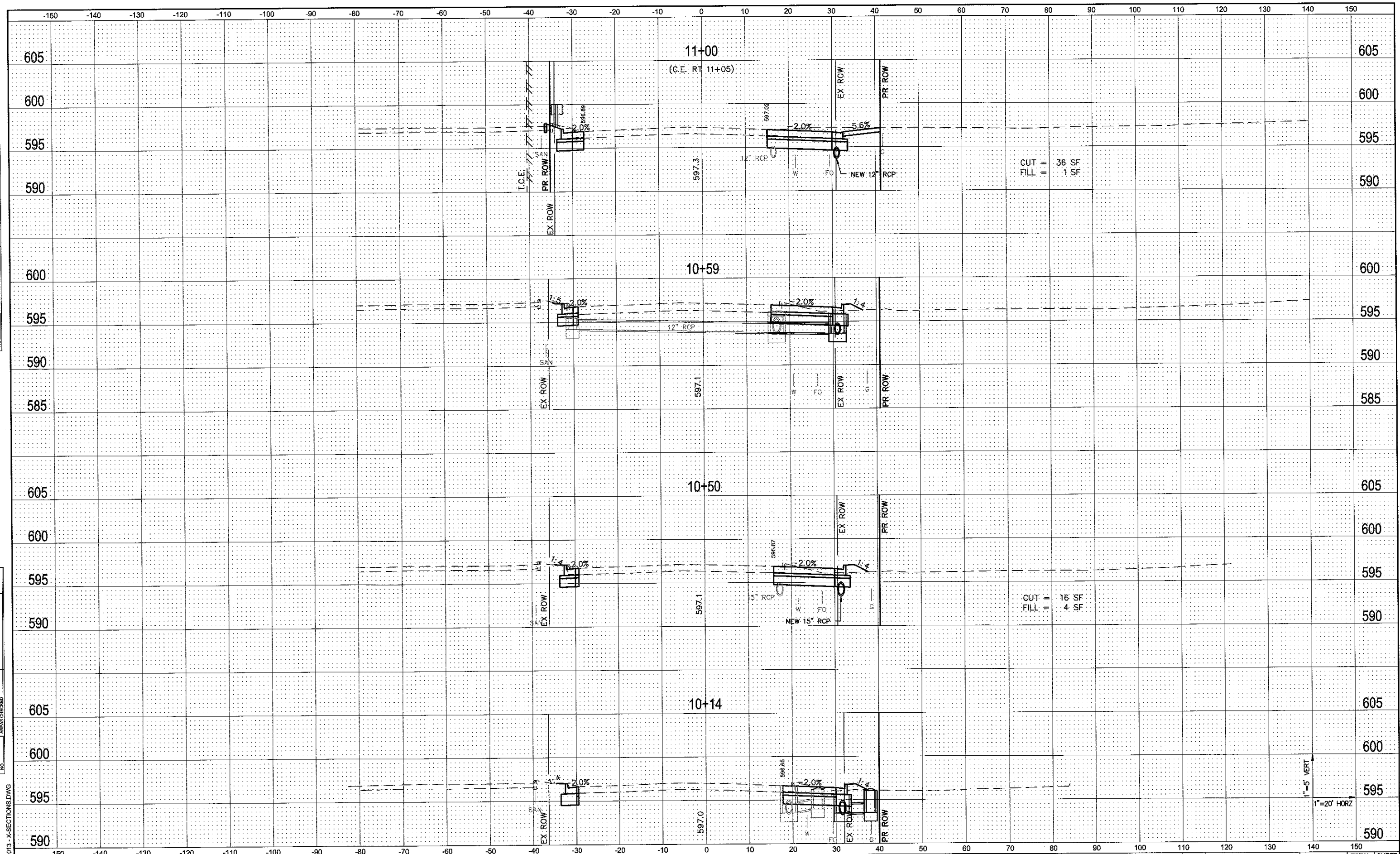
SCALE: SHEET NO. 2 OF 30 SHEETS STA. 9+00 TO STA. 10+00

F.A.U. RTE. 9330	SECTION 12 - 00301 - 14 - PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 65
CONTRACT NO. 97582			ILLINOIS FED. AID PROJECT	

1" = 5' VERT  
 1" = 20' HORZ

DATE	
BY	
REVISIONS	
NO.	
AREAS CHECKED	
NO.	
AREAS CHECKED	
NO.	
AREAS CHECKED	
NO.	
AREAS CHECKED	
NO.	

DATE	
BY	
REVISIONS	
NO.	
AREAS CHECKED	
NO.	
AREAS CHECKED	
NO.	
AREAS CHECKED	
NO.	



FILE NAME = 14013 - X-SECTIONS.DWG

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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
DRAWN - SW3	CHECKED - AJG	REVISED -
PLOT SCALE = 8" = 1'	DATE - 2008-02-25	REVISED -
PLOT DATE = 2017-03-23		

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

**CROSS SECTIONS**

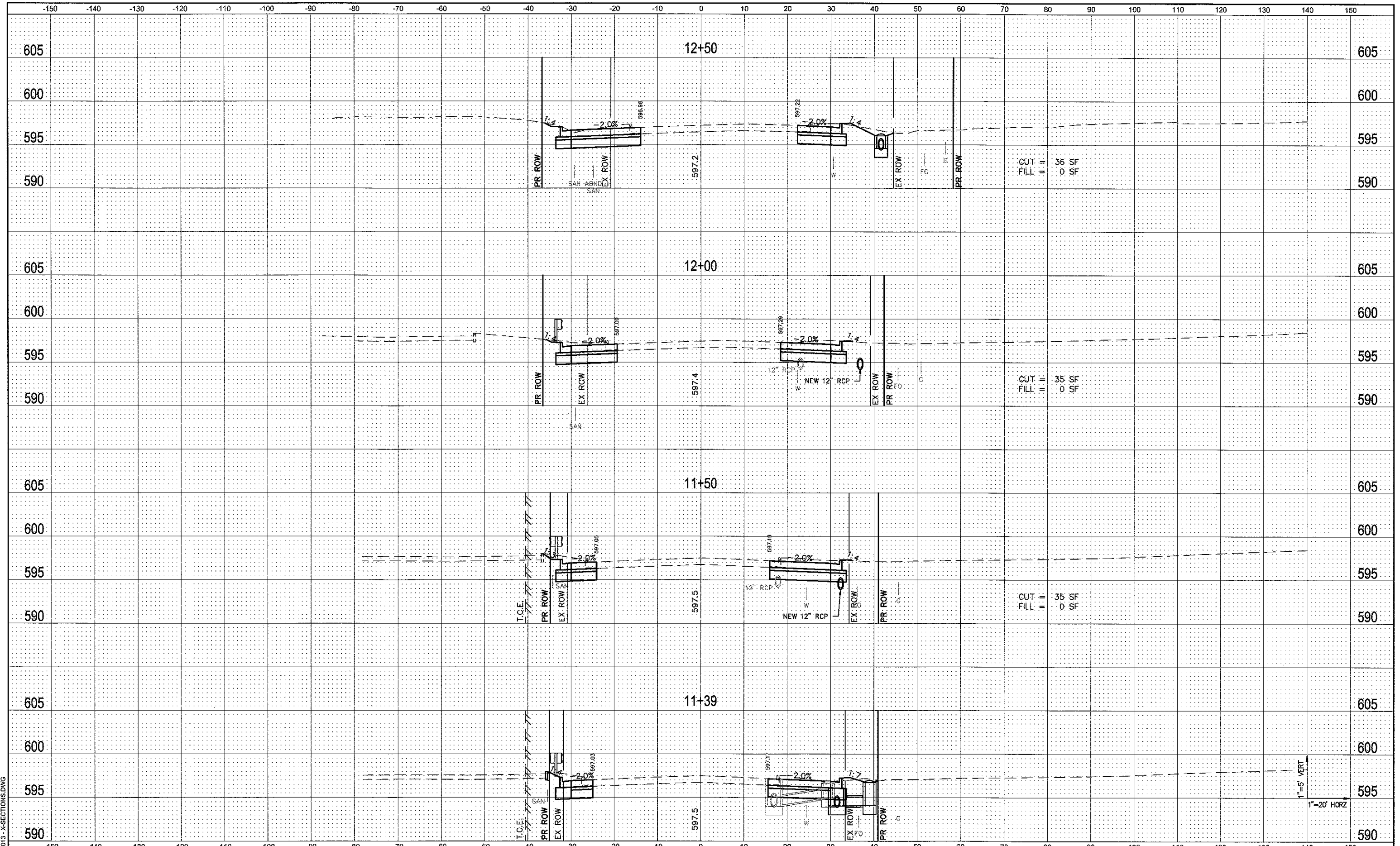
SCALE: SHEET NO. 3 OF 30 SHEETS STA. 10+14 TO STA. 11+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	66
CONTRACT NO. 97582				

1" = 5' VERT  
1" = 20' HORIZ

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

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



FILE NAME = 14013 - X-SECTIONS.DWG

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME =	SAM WRIGLEY
DESIGNED -	SSM
DRAWN -	SW3
CHECKED -	AJG
DATE -	2008-02-25
PLOT SCALE =	6" = 1'
PLOT DATE =	2017-03-23

REVISD -	
REVISD -	
REVISD -	
REVISD -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET NO. 4 OF 30 SHEETS STA. 11+39 TO STA. 12+50

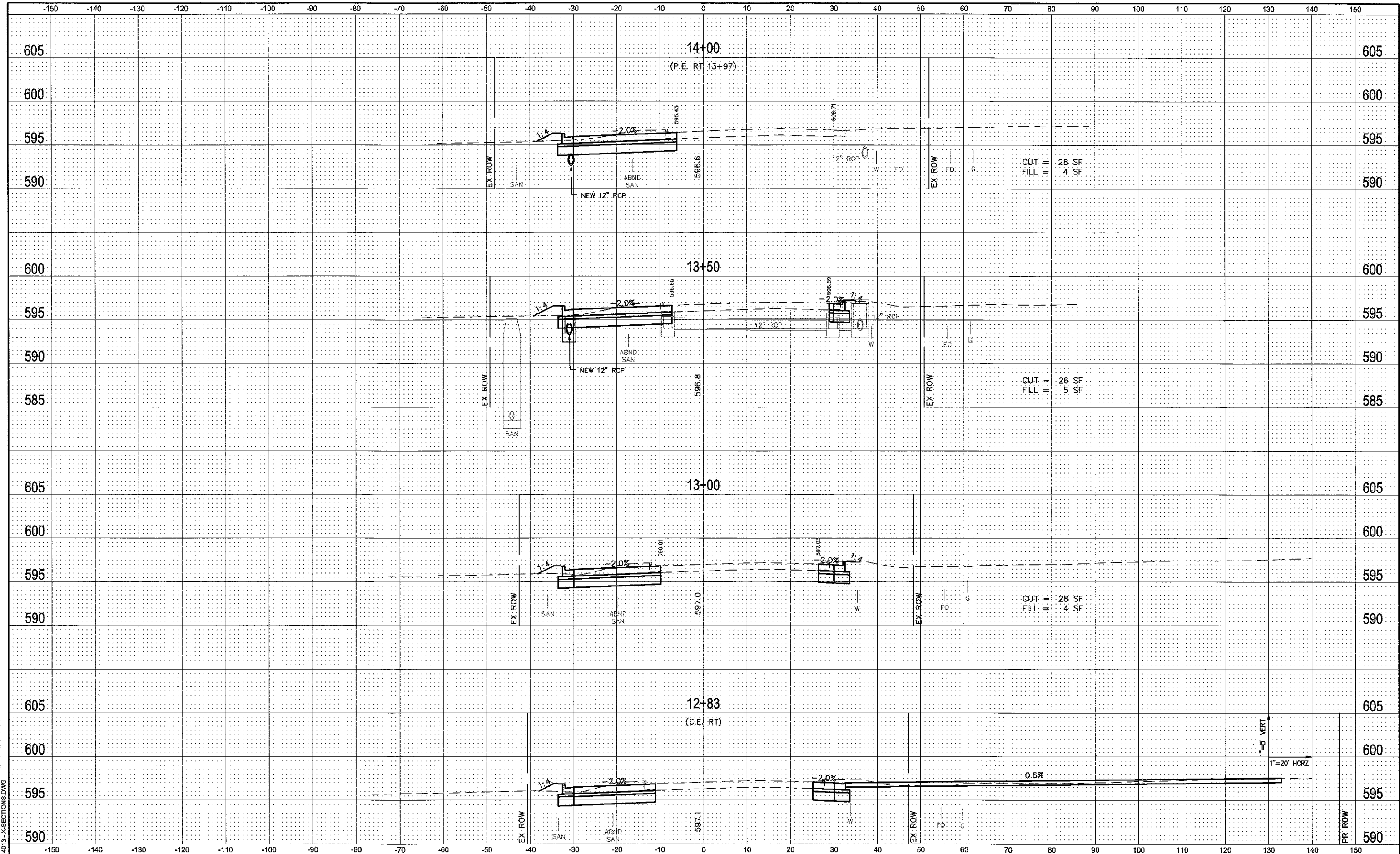
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	67
CONTRACT NO. 97582				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

1" = 5' VERT  
 1" = 20' HORZ



DATE	
BY	
FINAL SURVEY	
SURVEYED	
NOTE BOOK	
NO.	
AREAS CHECKED	
TEMP. DATE	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
NOTE BOOK	
NO.	
AREAS CHECKED	
TEMP. DATE	



FILE NAME = 14013 - X-SECTIONS.DWG

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 6" = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2017-03-23	CHECKED - AJG	REVISED -
	DATE - 2008-02-25	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

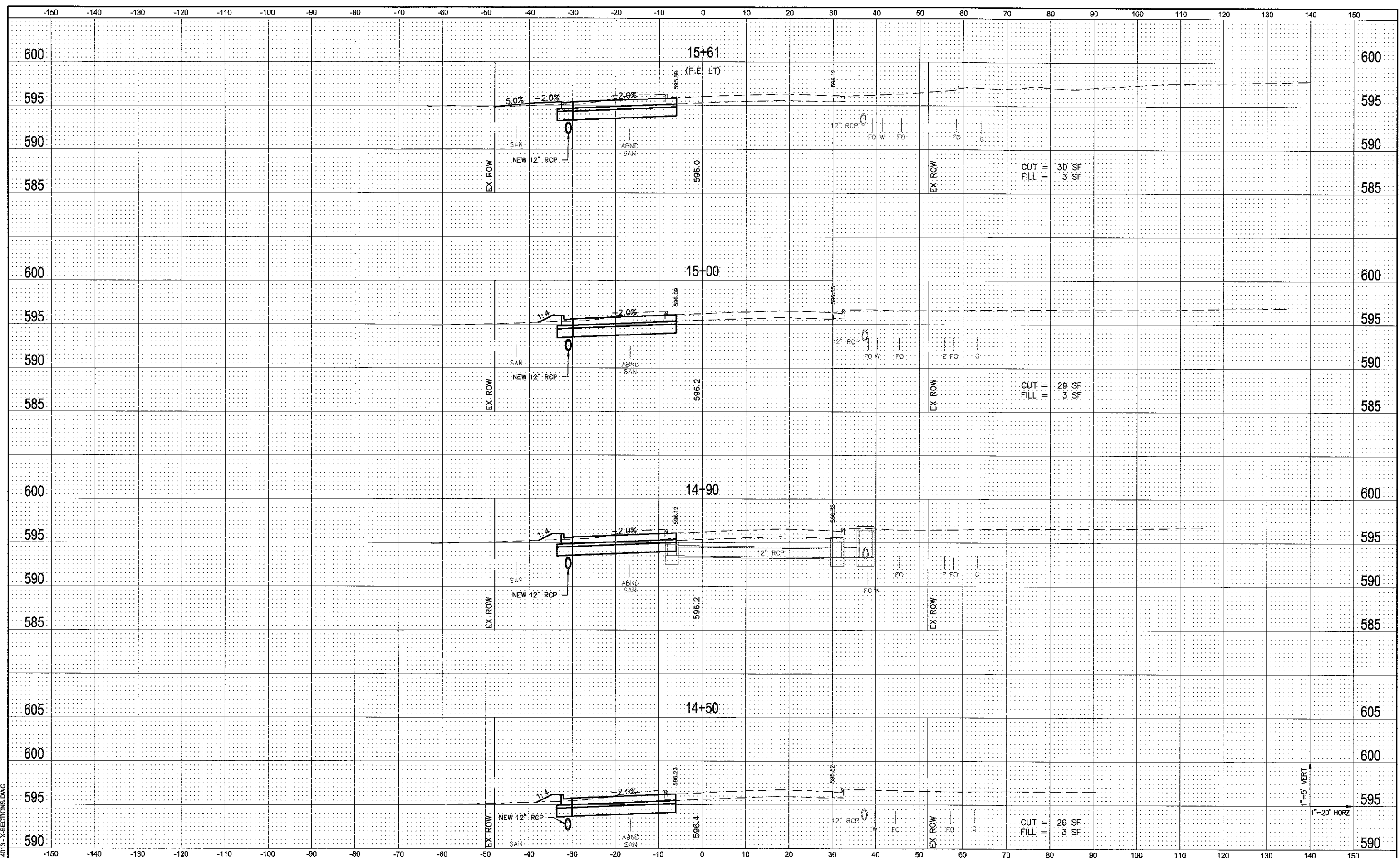
SCALE: SHEET NO. 5 OF 30 SHEETS STA. 12+83 TO STA. 14+00

F.A.U. RTE. 9330	SECTION 12 - 00301 - 14 - PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 68
CONTRACT NO. 97582			ILLINOIS FED. AID PROJECT	

FINAL SURVEY  
 SURVEYOR'S  
 PLOTTED  
 TEMPLATE  
 NOTE BOOK  
 AREAS CHECKED

ORIGINAL SURVEY  
 SURVEYOR'S  
 PLOTTED  
 TEMPLATE  
 NOTE BOOK  
 AREAS CHECKED

FILE NAME = 14013 - X-SECTIONS.DWG



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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
DRAWN - SW3	CHECKED - AJG	REVISED -
PLOT SCALE = 6" = 1'	DATE = 2008-02-25	REVISED -
PLOT DATE = 2017-03-23		

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

**CROSS SECTIONS**

SCALE: SHEET NO. 6 OF 30 SHEETS STA. 14+50 TO STA. 15+50

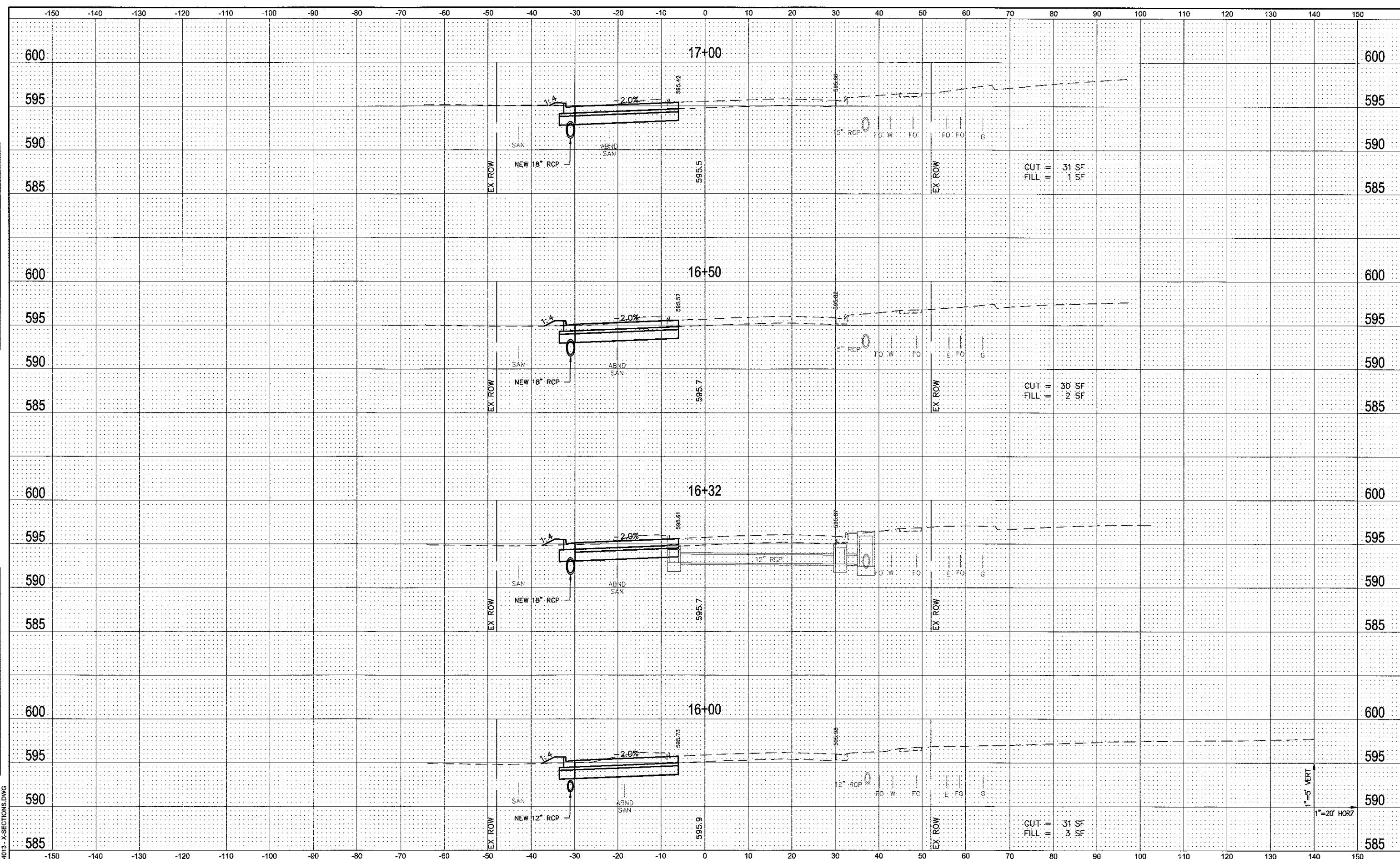
F.A.U. RTE. 9330	SECTION 12-00301-14-PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 69
CONTRACT NO. 97582			ILLINOIS FED. AID PROJECT	

1" = 5' VERT  
 1" = 20' HORZ

FINAL SURVEY	DATE
SURVEYED	BY
NOTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

FILE NAME = 14013 - X-SECTIONS.DWG



**DATES ASSOCIATES**  
 Consulting Engineers  
 www.datesassociates.com  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 6" = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2017-03-23	CHECKED - AJG	REVISED -
	DATE - 2008-02-25	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

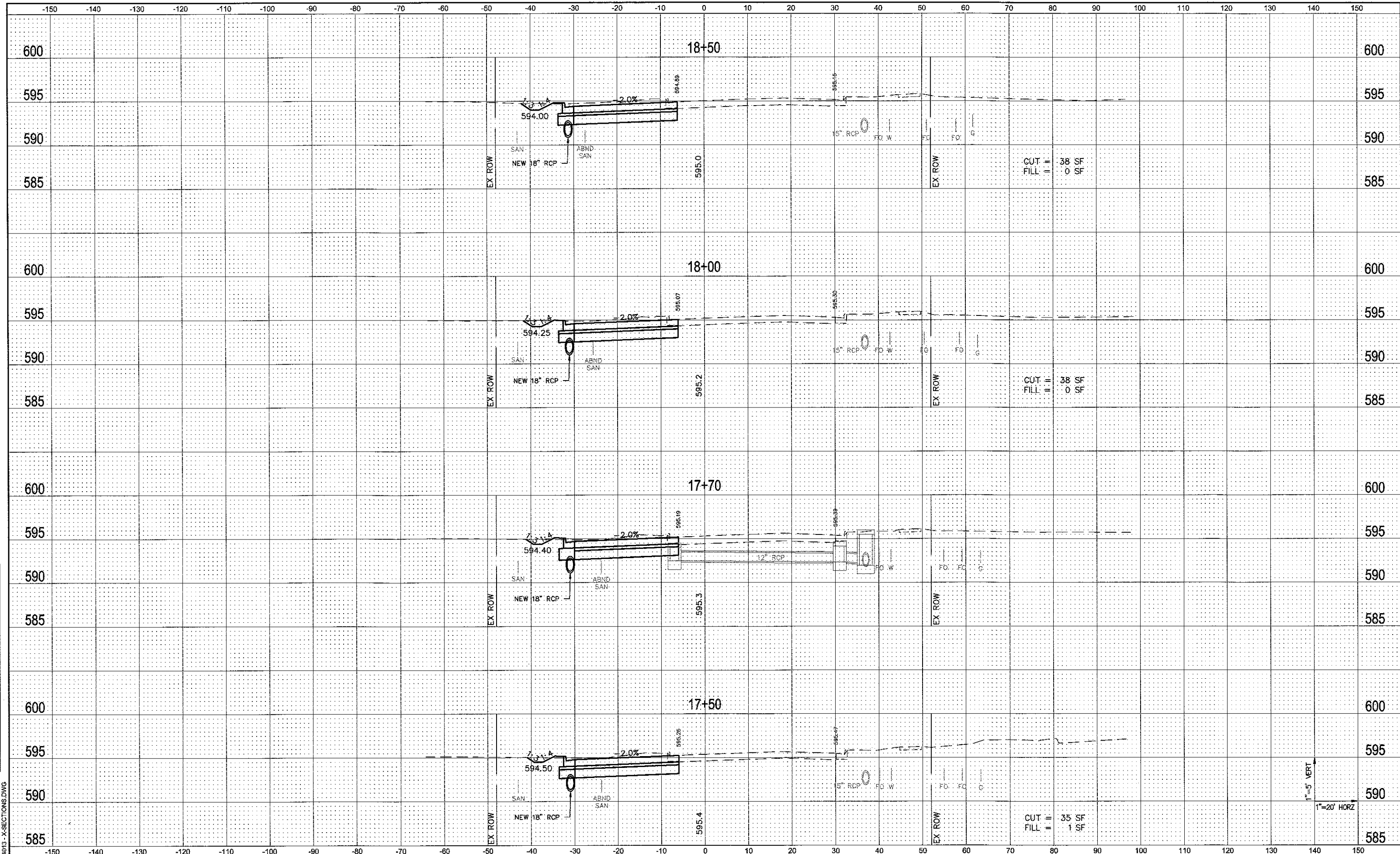
SCALE: SHEET NO. 7 OF 30 SHEETS STA. 16+00 TO STA. 17+00

F.A.U. RTE. 9330	SECTION 12 - 00301 - 14 - PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 70
CONTRACT NO. 97582			ILLINOIS FED. AID PROJECT	

1" = 5' VERT  
 1" = 20' HORZ

DATE	
BY	
FINAL SURVEY	
NOTED	
NOTEBOOK	
NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
NOTEBOOK	
NO.	
AREAS CHECKED	



FILE NAME = 14013 - X-SECTIONS.DWG

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

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 6" = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2017-03-23	CHECKED - AJG	REVISED -
	DATE - 2008-02-25	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

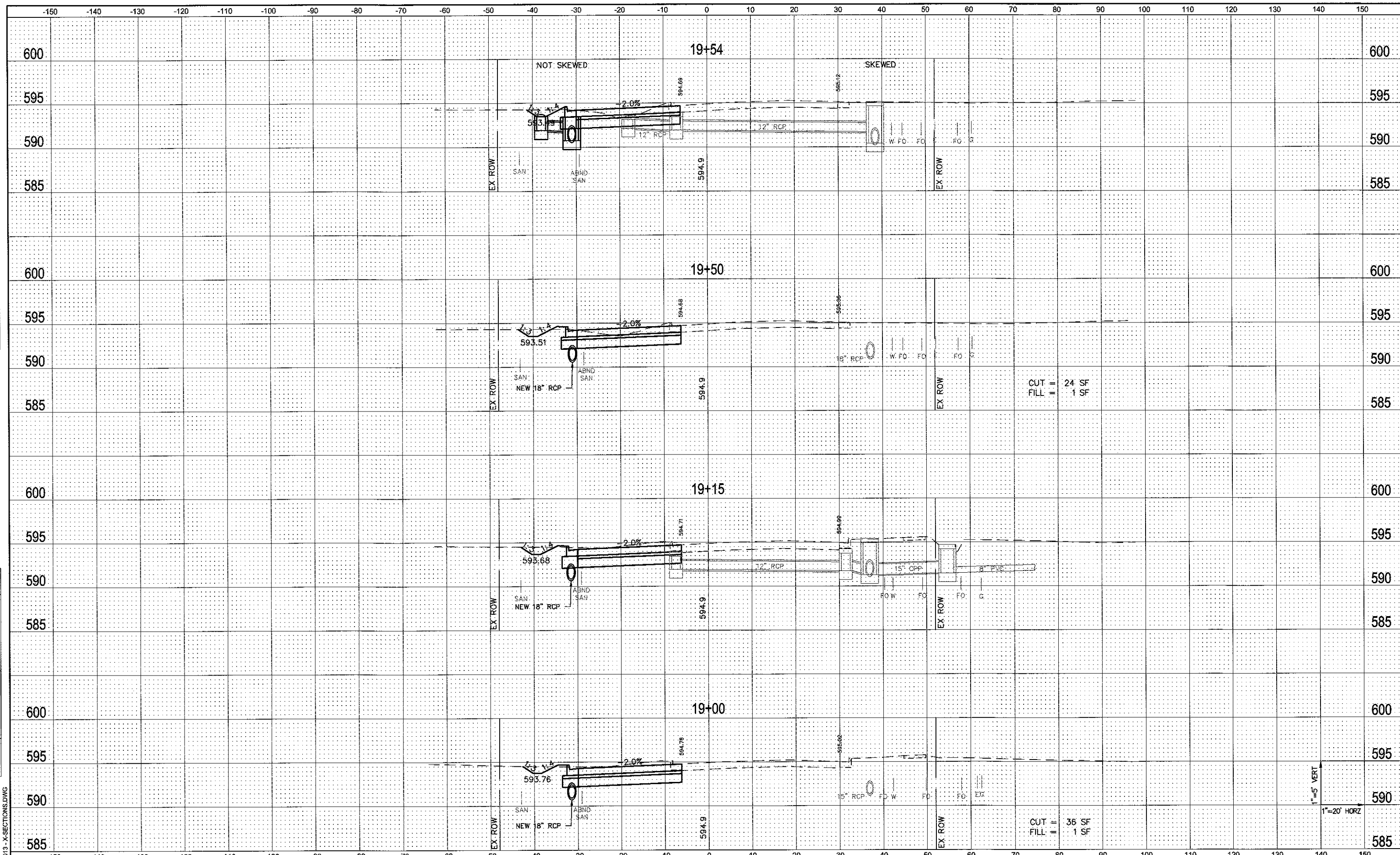
SCALE: SHEET NO. 8 OF 30 SHEETS STA. 17+50 TO STA. 18+50

F.A.U. RTE. 9330	SECTION 12 - 00301 - 14 - PW	COUNTY ST. CLAIR	TOTAL SHEETS 83	SHEET NO. 71
CONTRACT NO. 97582			ILLINOIS   FED. AID PROJECT	

1"=5' VERT  
 1"=20' HORZ

DATE	
BY	
SURVEYED	
PLOTTED	
DATE	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
DATE	
NOTE BOOK	
NO.	
AREAS CHECKED	



CUT = 24 SF  
FILL = 1 SF

CUT = 36 SF  
FILL = 1 SF

1"=5' VERT  
1"=20' HORZ

FILE NAME = 14013-X-SECTIONS.DWG

**DATES ASSOCIATES**  
Consulting Engineers  
www.datesassociates.com  
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 8" = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2017-03-23	CHECKED - AJG	REVISED -
	DATE - 2008-02-25	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

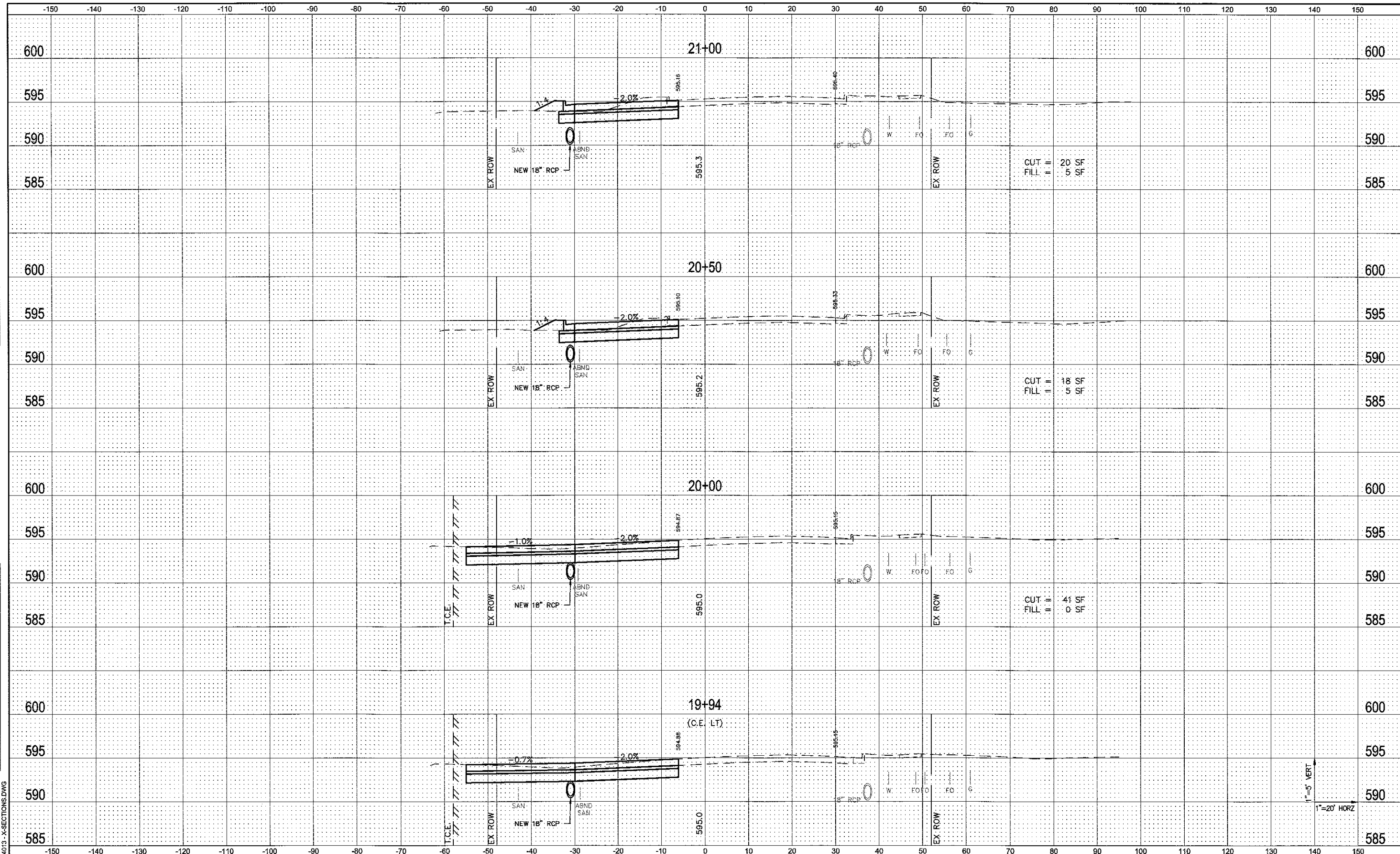
**CROSS SECTIONS**

SCALE: SHEET NO. 9 OF 30 SHEETS STA. 19+00 TO STA. 19+54

F.A.U. RTE. 8330	SECTION 12 - 00301 - 14 - PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 72
FED. ROAD DIST. NO. ILLINOIS			FED. AID PROJECT CONTRACT NO. 97582	

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = 14013 - X-SECTIONS.DWG

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

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 6" = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2017-03-23	CHECKED - AJG	REVISED -
	DATE - 2008-02-25	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET NO. 10 OF 30 SHEETS STA. 19+94 TO STA. 21+00

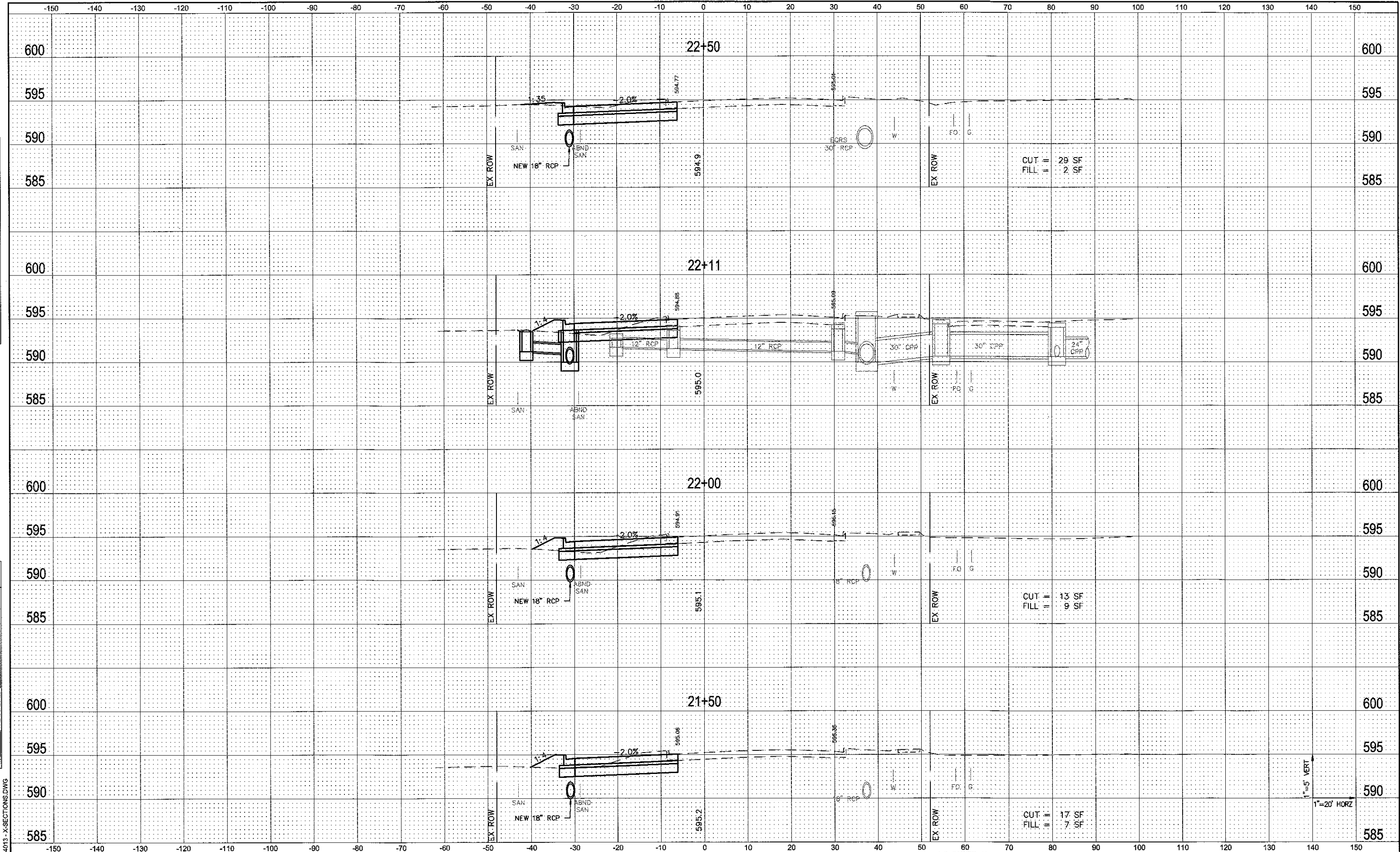
F.A.U. RTE. 9330	SECTION 12 - 00301 - 14 - PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 73
CONTRACT NO. 97582				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

1"=5' VERT  
 1"=20' HORZ



DATE	
BY	
ORIGINAL SURVEY	
NOTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	



FILE NAME = 14013 - X-SECTIONS.DWG

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

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 6" = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2017-03-23	CHECKED - AJG	REVISED -
	DATE - 2008-02-25	REVISED -

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

**CROSS SECTIONS**

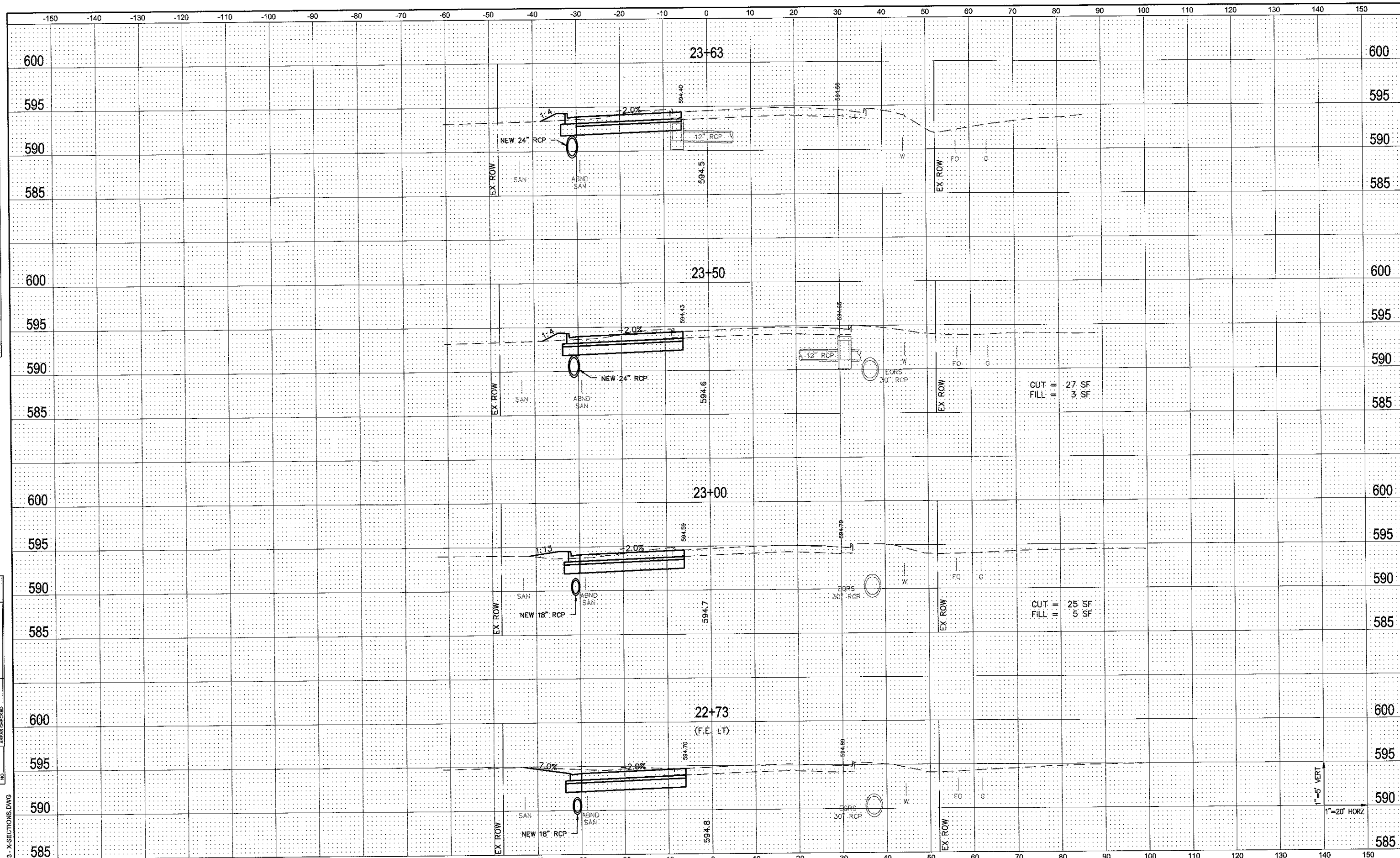
SCALE: SHEET NO. 11 OF 30 SHEETS STA. 21+50 TO STA. 22+50

F.A.U. RTE. 9330	SECTION 12 - 00301 - 14 - PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 74
FED. ROAD DIST. NO. ILLINOIS			CONTRACT NO. 97582	

1"=5' VERT  
 1"=20' HORZ

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	



FILE NAME = 14013 - X-SECTIONS.DWG

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

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
	DRAWN - SWS	REVISED -
PLOT SCALE = 6" = 1'	CHECKED - AJG	REVISED -
PLOT DATE = 2017-03-23	DATE - 2008-02-25	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE:	SHEET NO. 12 OF 30 SHEETS	STA. 22+73 TO STA. 23+63
--------	---------------------------	--------------------------

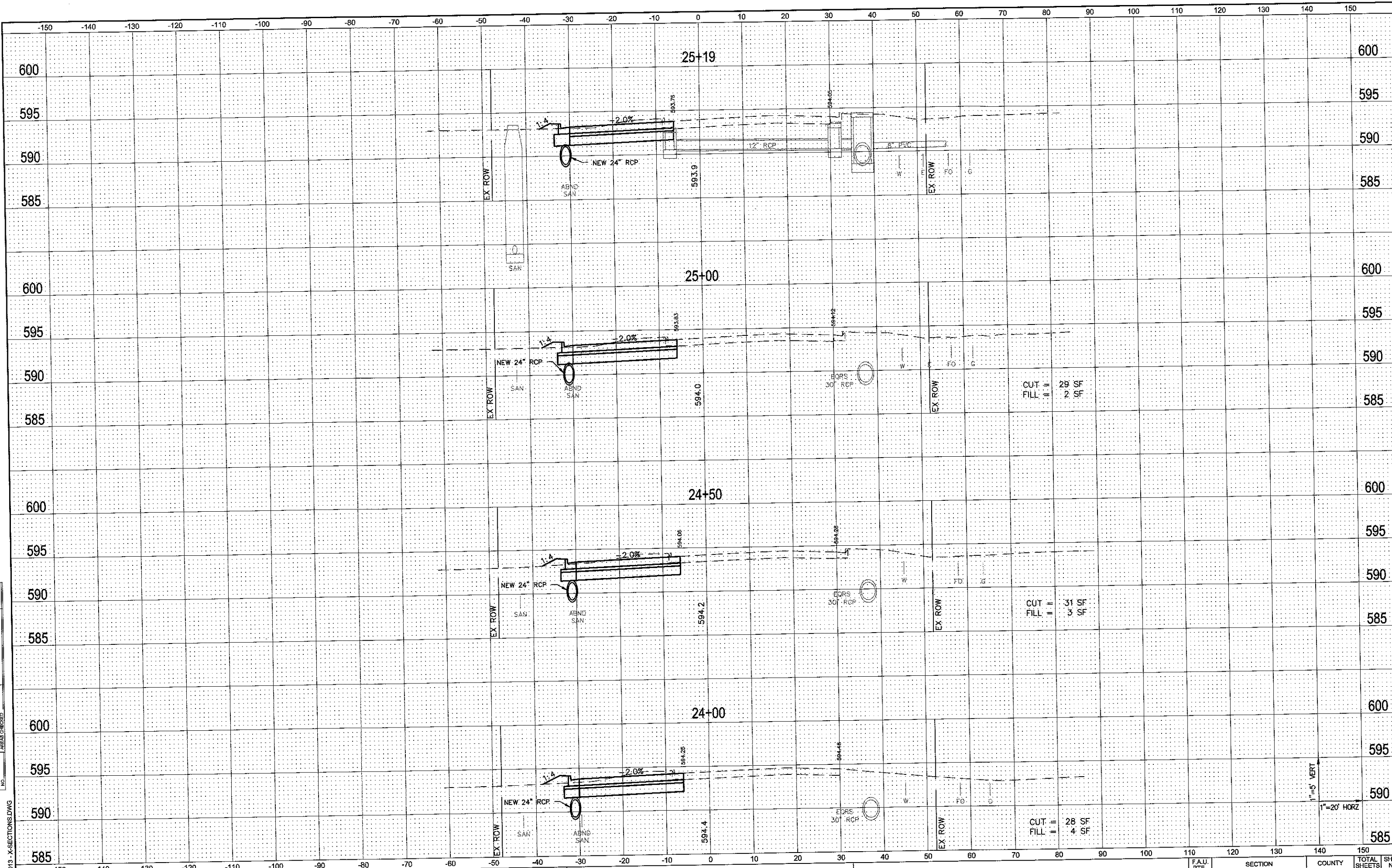
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	75
CONTRACT NO. 97582				

1" = 5' VERT  
 1" = 20' HORZ



DATE	
BY	
FINAL SURVEY	
NOTED BOOK	
NO.	
ORIGINAL SURVEY	
NOTED BOOK	
NO.	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTED BOOK	
NO.	
PLOTTED	
TEMPLATE	
AREAS CHECKED	



CUT = 29 SF  
FILL = 2 SF

CUT = 31 SF  
FILL = 3 SF

CUT = 28 SF  
FILL = 4 SF

1"=5' VERT  
1"=20' HORZ

FILE NAME = 14013 - X-SECTIONS.DWG



USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 6" = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2017-03-23	CHECKED - AJG	REVISED -
	DATE - 2008-02-25	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

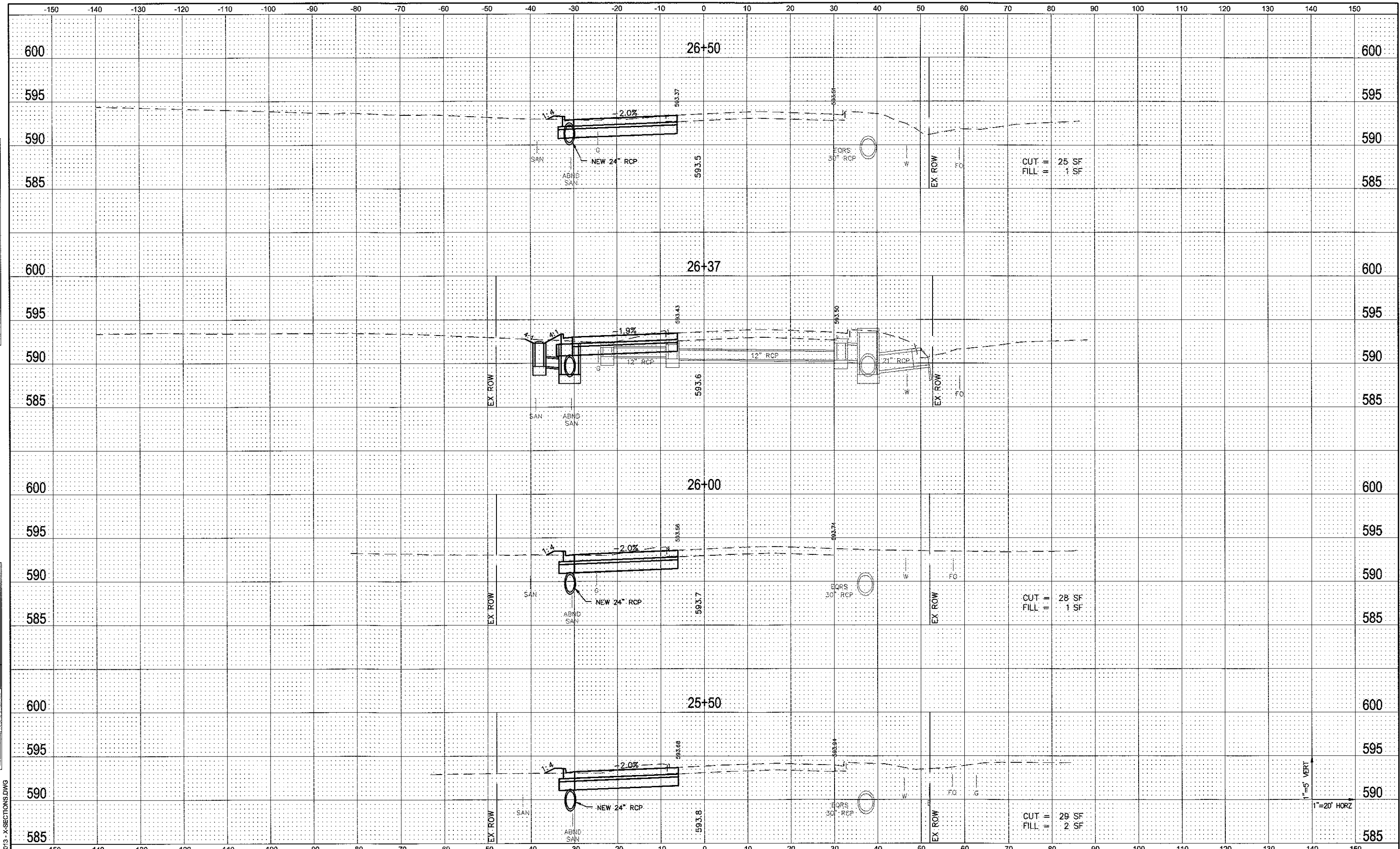
CROSS SECTIONS

SCALE: SHEET NO. 13 OF 30 SHEETS STA. 24+00 TO STA. 25+19

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	76
CONTRACT NO. 97582			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = 14013 - X-SECTIONS.DWG

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 6" = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2017-03-23	CHECKED - AJG	REVISED -
	DATE - 2008-02-25	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

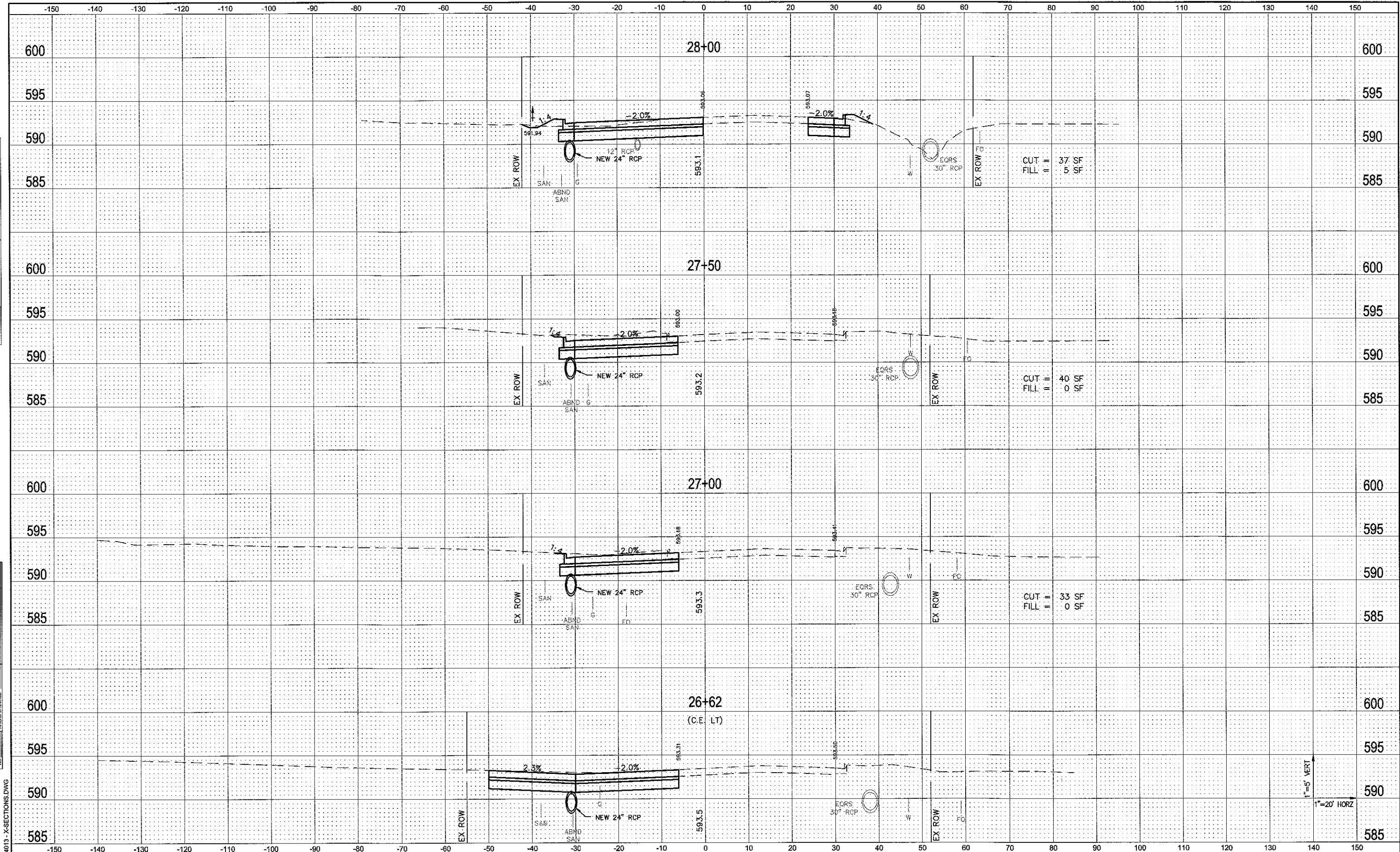
SCALE: SHEET NO. 14 OF 30 SHEETS STA. 25+50 TO STA. 26+50

F.A.U. RTE. 9330	SECTION 12 - 00301 - 14 - PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 77
FED. ROAD DIST. NO. ILLINOIS			CONTRACT NO. 97582	

1"=5' VERT  
 1"=20' HORZ

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

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



FILE NAME = 14013-X-SECTIONS.DWG

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 6" = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2017-03-23	CHECKED - AJG	REVISED -
	DATE - 2008-02-25	REVISED -

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

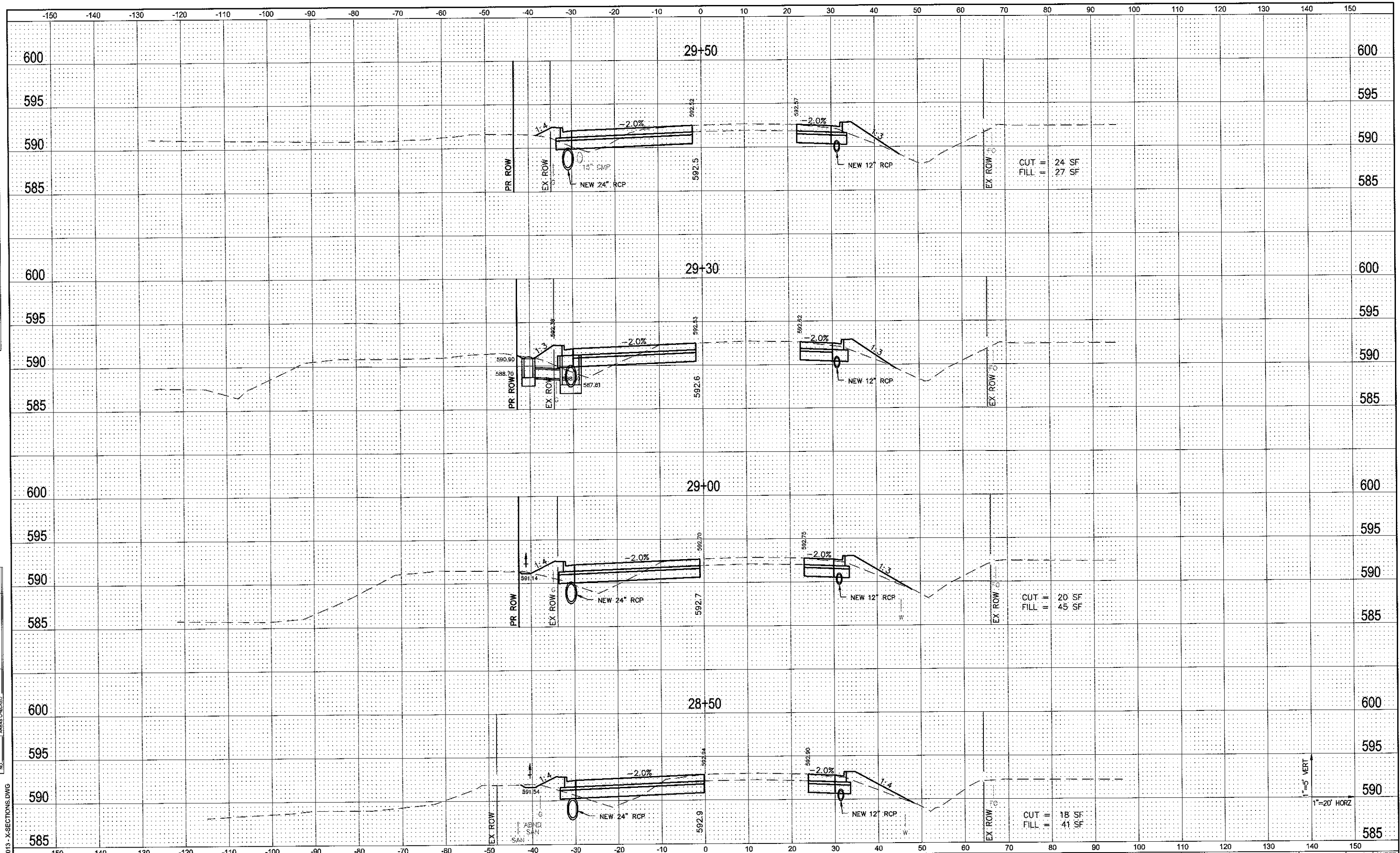
<b>CROSS SECTIONS</b>	
SCALE:	SHEET NO. 15 OF 30 SHEETS
STA. 26+62 TO STA. 28+00	

F.A.U. RTE. 9330	SECTION 12-00301-14-PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 78
FED. ROAD DIST. NO. ILLINOIS			CONTRACT NO. 97582	
FED. AID PROJECT				

1"=5' VERT  
 1"=20' HORZ

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = 14013-X-SECTIONS.DWG

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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = SAM WRIGLEY  
DESIGNED - SSM  
DRAWN - SW3  
CHECKED - AJG  
DATE - 2008-02-25  
PLOT SCALE = 6" = 1'  
PLOT DATE = 2017-03-23

DESIGNED - SSM  
DRAWN - SW3  
CHECKED - AJG  
DATE - 2008-02-25  
REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET NO. 16 OF 30 SHEETS STA. 28+50 TO STA. 29+50

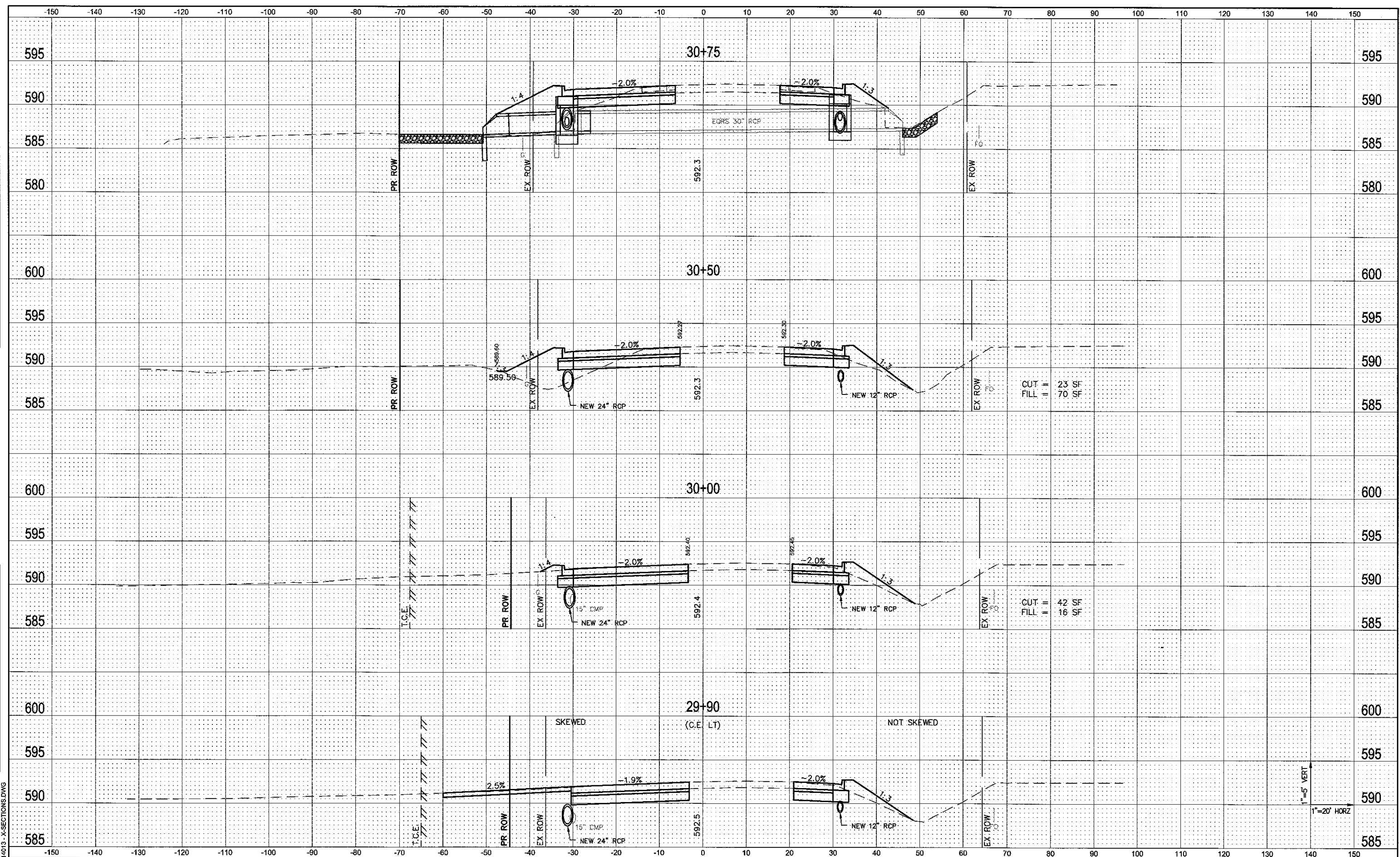
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12-00301-14-FW	ST. CLAIR	93	79
CONTRACT NO. 97582				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

1" = 5' VERT  
1" = 20' HORZ

DATE	
BY	
FINAL SURVEY NOTEBOOK NO.	
SURVEYED	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NOTEBOOK NO.	
SURVEYED	
TEMPLATE	
AREAS CHECKED	

FILE NAME = 14013 - X-SECTIONS.DWG



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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME =	SAM WRIGLEY
DESIGNED -	SSM
DRAWN -	SW3
CHECKED -	AJG
DATE -	2008-02-25
REVISIONS	
REVISED -	
REVISED -	
REVISED -	
REVISED -	

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

**CROSS SECTIONS**

SCALE: SHEET NO. 17 OF 30 SHEETS STA. 29+90 TO STA. 30+75

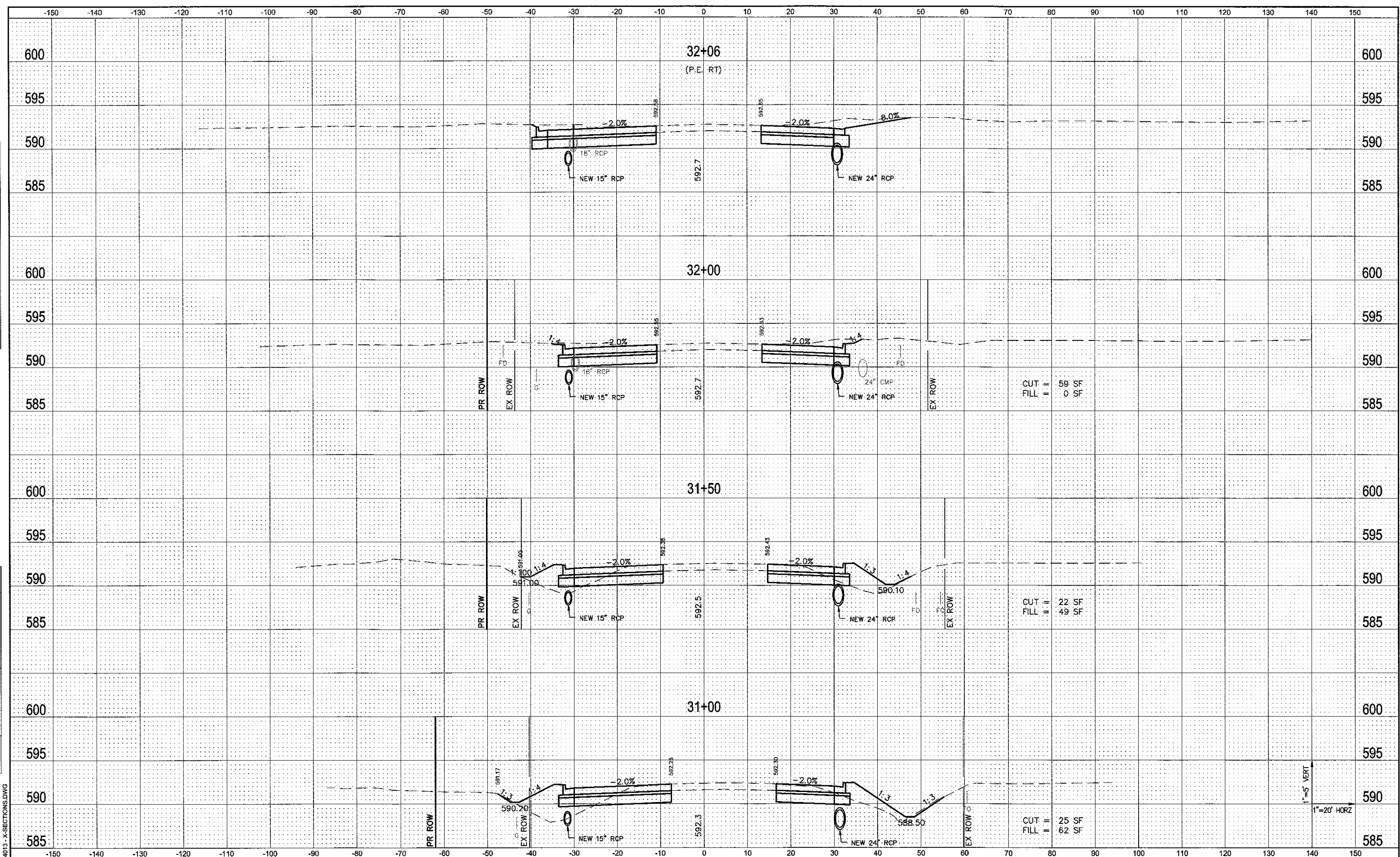
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	80
CONTRACT NO. 97582				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

1"=5' VERT  
1"=20' HORZ



DATE	
BY	
FINAL SURVEY NOTEBOOK NO.	
SURVEYED	
REVISIONS	
TEMPLATE	
AREAS	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NOTEBOOK NO.	
SURVEYED	
REVISIONS	
TEMPLATE	
AREAS	
AREAS CHECKED	



FILE NAME = 14013 - X-SECTIONS.DWG

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USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 6" = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2017-03-23	CHECKED - AJG	REVISED -
	DATE - 2008-02-25	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

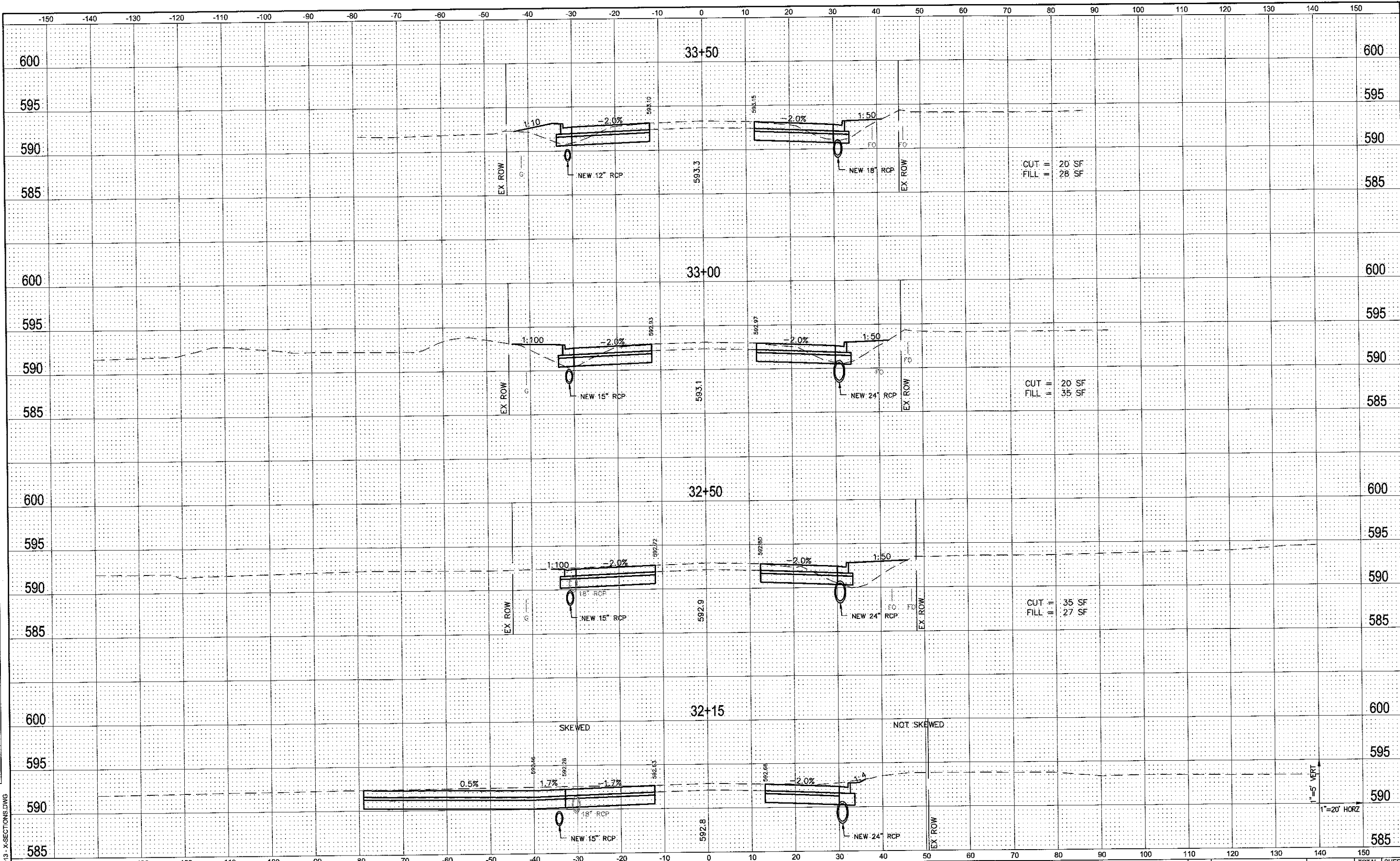
SCALE: SHEET NO. 18 OF 30 SHEETS STA. 31+00 TO STA. 32+06

F.A.U. RTE. 9330	SECTION 12 - 00301 - 14 - PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 81
FED. ROAD DIST. NO. ILLINOIS		CONTRACT NO. 97582		
FED. AID PROJECT				

1" = 5' VERT  
 1" = 20' HORZ

DATE	
BY	
FINAL SURVEY	
NOTED	
PLOTTED	
TEMPLATE	
NO. BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
PLOTTED	
TEMPLATE	
NO. BOOK	
AREAS CHECKED	



FILE NAME = 14013 - X-SECTIONS.DWG

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 6" = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2017-03-23	CHECKED - AJG	REVISED -
	DATE - 2008-02-25	REVISED -

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

**CROSS SECTIONS**

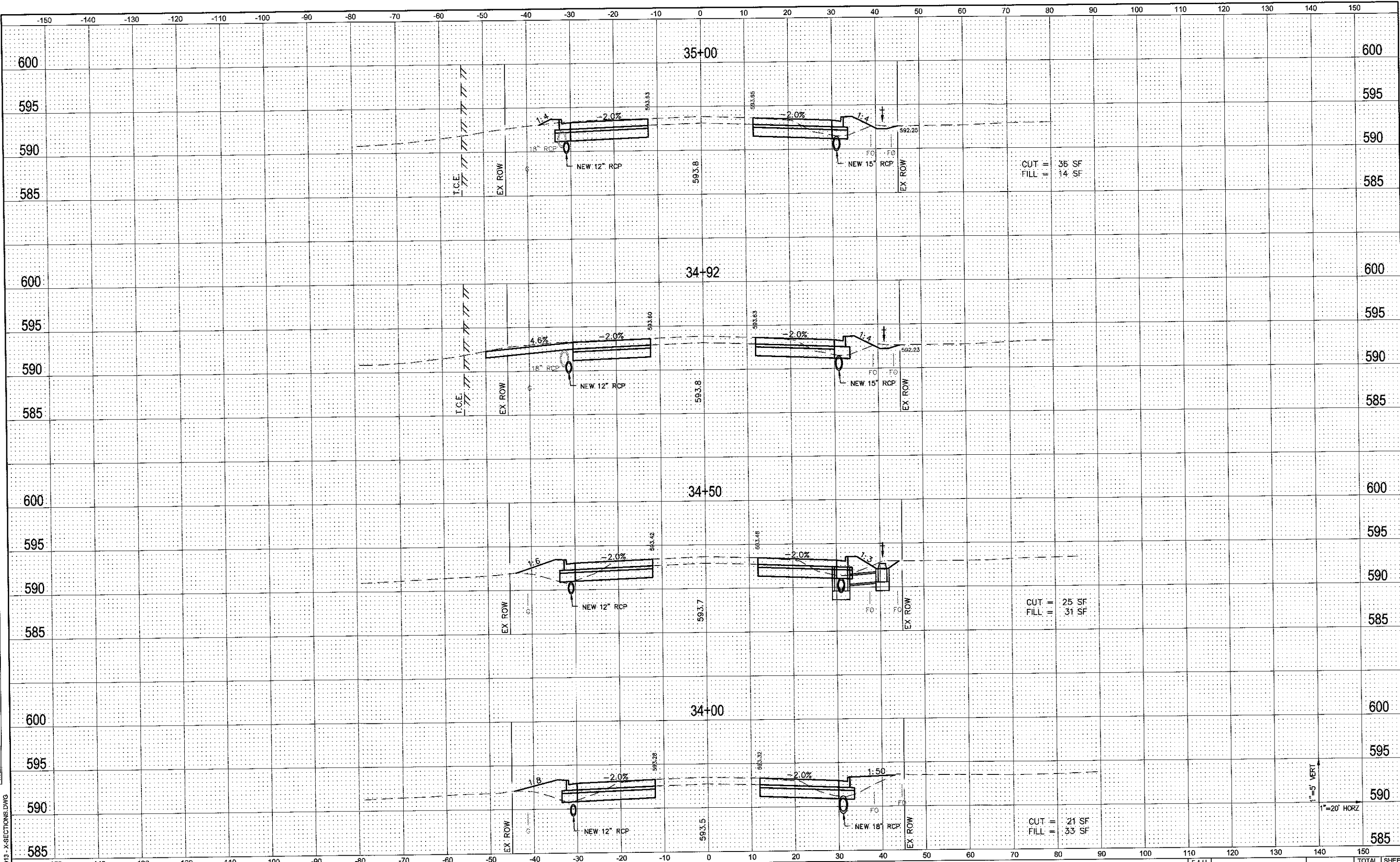
SCALE: SHEET NO. 19 OF 30 SHEETS STA. 32+15 TO STA. 33+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12-00301-14-PW	ST. CLAIR	93	82
CONTRACT NO. 97582				
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		



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

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



FILE NAME = 14013 - X-SECTIONS.DWG

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 6" = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2017-03-23	CHECKED - AJG	REVISED -
	DATE - 2008-02-25	REVISED -

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

**CROSS SECTIONS**

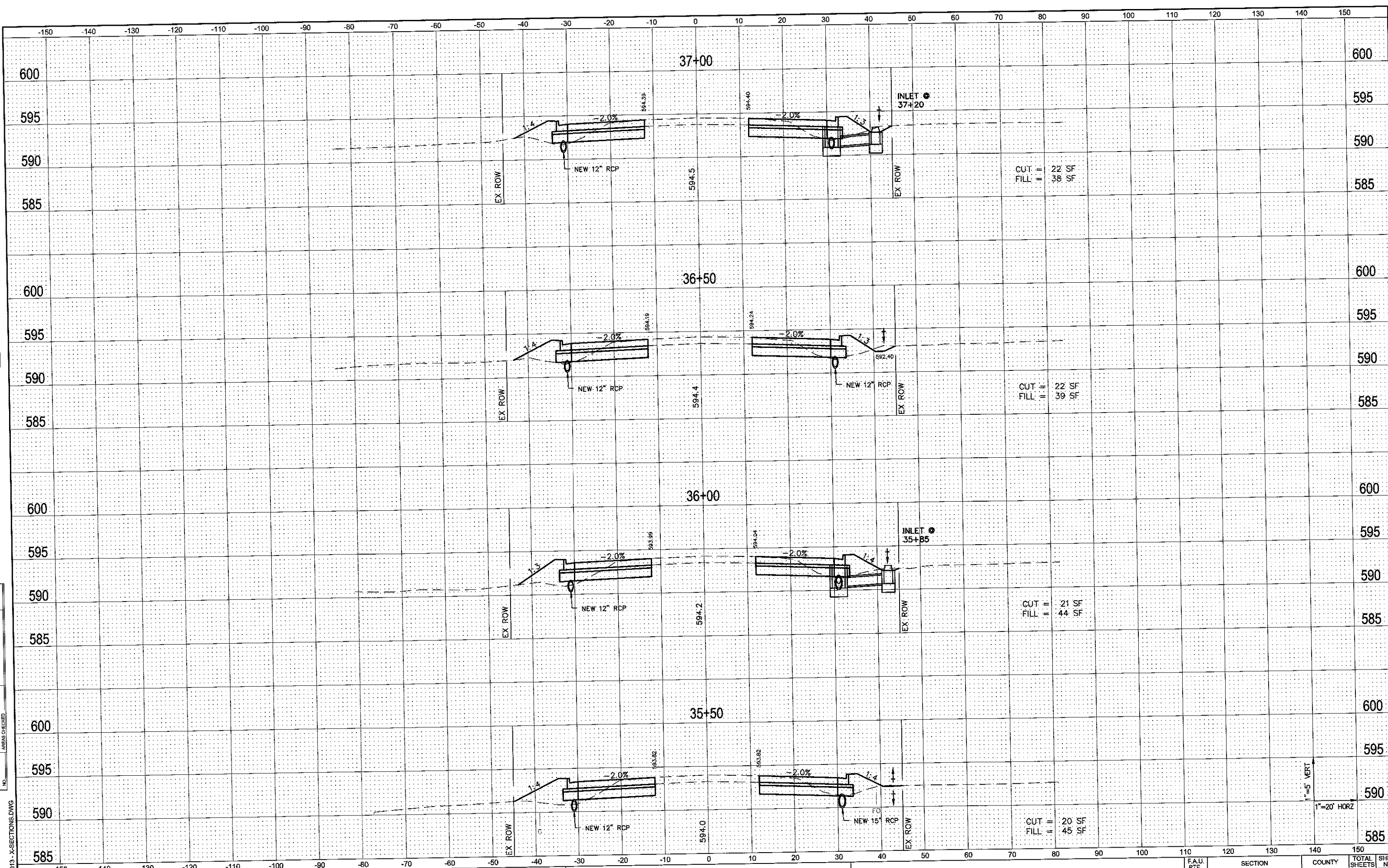
SCALE: SHEET NO. 20 OF 30 SHEETS STA. 34+00 TO STA. 35+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	83
CONTRACT NO. 97582			ILLINOIS FED. AID PROJECT	

1" = 5' VERT  
 1" = 20' HORZ

DATE	
BY	
FINAL SURVEY	
SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	



FILE NAME = 14013 - X-SECTIONS.DWG

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 www.oatesassociates.com  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 6" = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2017-03-23	CHECKED - A.J.G.	REVISED -
	DATE - 2008-02-25	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

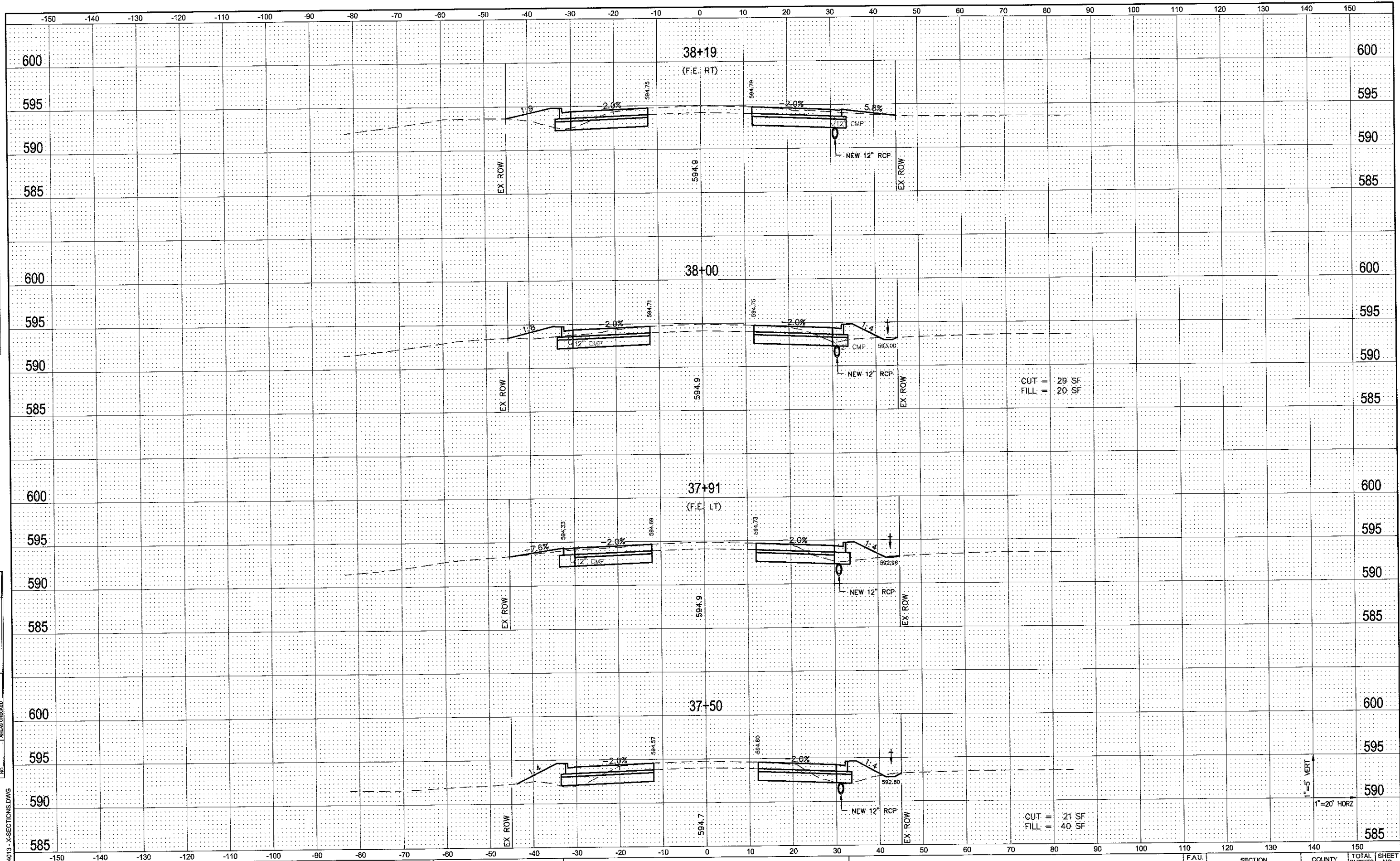
SCALE: SHEET NO. 21 OF 30 SHEETS STA. 35+50 TO STA. 37+00

F.A.U. RTE. 9330	SECTION 12 - 00301 - 14 - PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 84
FED. ROAD DIST. NO. ILLINOIS		CONTRACT NO. 97582		

1" = 5' VERT  
 1" = 20' HORZ

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPERATURE	
AREAS	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPERATURE	
AREAS	
AREAS CHECKED	
NO.	



CUT = 29 SF  
FILL = 20 SF

CUT = 21 SF  
FILL = 40 SF

1" = 5' VERT  
1" = 20' HORZ

FILE NAME = 14013 - X-SECTIONS.DWG

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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
	DRAWN - SW3	REVISED -
PLOT SCALE = 6" = 1'	CHECKED - AJG	REVISED -
PLOT DATE = 2017-03-23	DATE - 2008-02-25	REVISED -

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

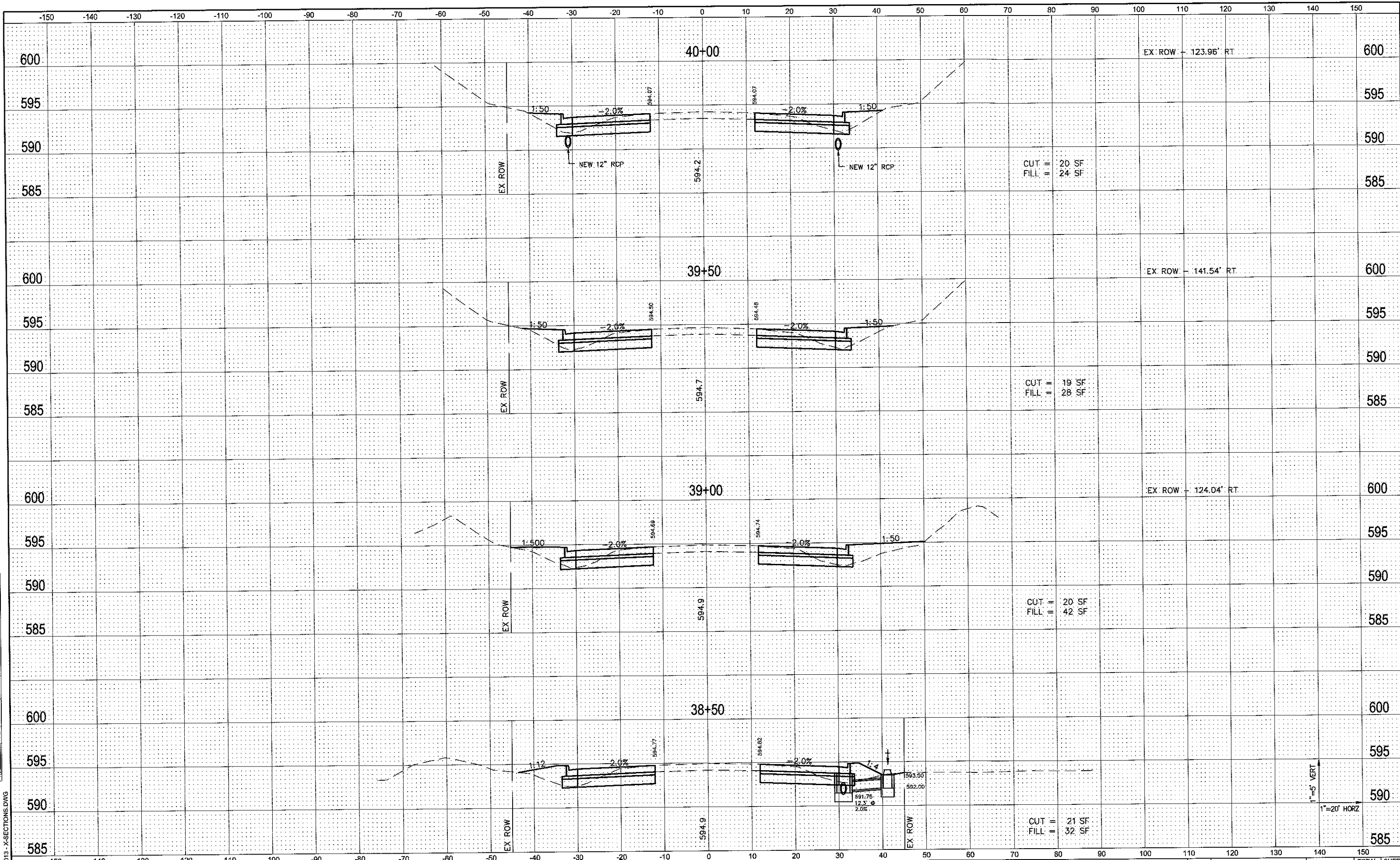
**CROSS SECTIONS**

SCALE:	SHEET NO. 22 OF 30 SHEETS	STA. 37+50 TO STA. 38+19
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FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12-00301-14-PW	ST. CLAIR	93	85
CONTRACT NO. 97582			ILLINOIS   FED. AID PROJECT	

DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 AREAS \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 AREAS \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_



FILE NAME = 14013 - X-SECTIONS.DWG

**GATES ASSOCIATES**  
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 www.gatesassociates.com  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
DRAWN - SWS	CHECKED - AJG	REVISED -
PLOT SCALE = 6" = 1'	DATE - 2008-02-25	REVISED -
PLOT DATE = 2017-03-23		

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

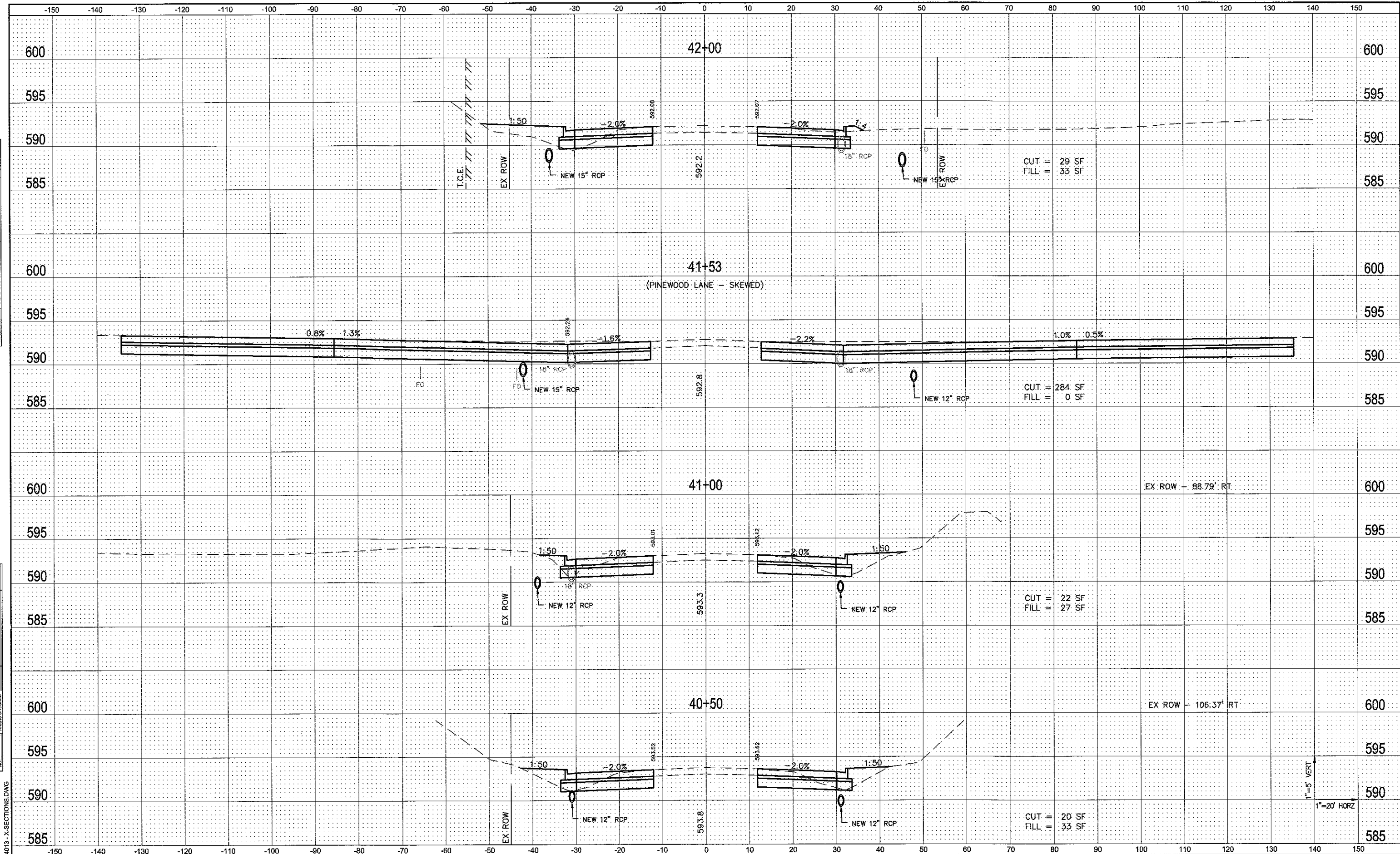
**CROSS SECTIONS**  
 SCALE: \_\_\_\_\_ SHEET NO. 23 OF 30 SHEETS STA. 38+50 TO STA. 40+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12-00301-14-PW	ST. CLAIR	83	86
CONTRACT NO. 97582				
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

1" = 5' VERT  
 1" = 20' HORIZ

DATE	BY
SURVEYED	
PLOTTED	
REVISIONS	
AREAS CHECKED	
NO.	

DATE	BY
SURVEYED	
PLOTTED	
REVISIONS	
AREAS CHECKED	
NO.	



FILE NAME = 14013 - X-SECTIONS.DWG

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

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 6" = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2017-03-23	CHECKED - AJG	REVISED -
	DATE - 2008-02-25	REVISED -

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

**CROSS SECTIONS**

SCALE: SHEET NO. 24 OF 30 SHEETS STA. 40+50 TO STA. 42+00

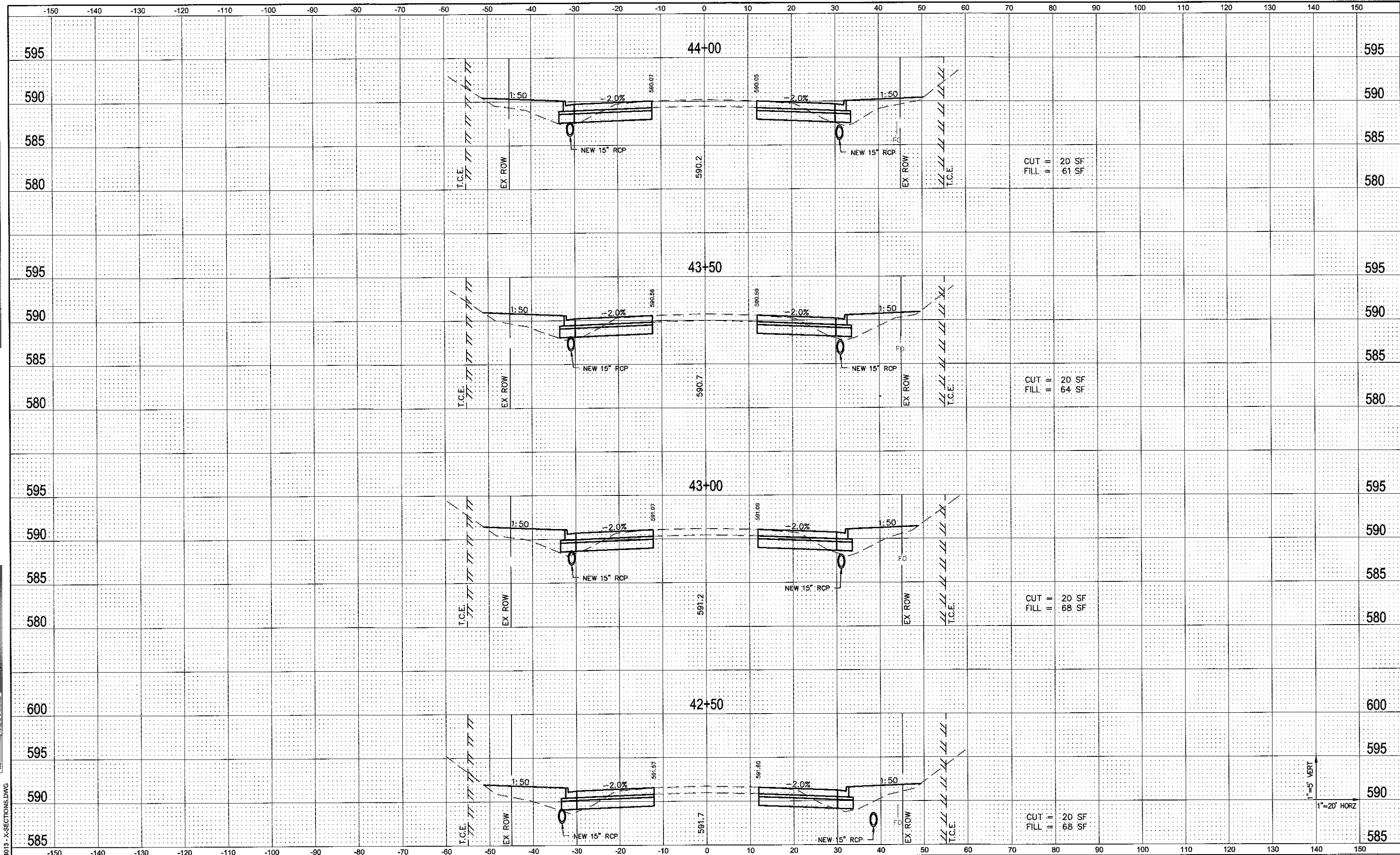
F.A.U. RTE. 9330	SECTION 12 - 00301 - 14 - PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 87
FED. ROAD DIST. NO. ILLINOIS		CONTRACT NO. 97582		

1" = 5' VERT  
 1" = 20' HORZ



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

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



FILE NAME = 4013 - X-SECTIONS.DWG

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

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
	DRAWN - SW3	REVISED -
PLOT SCALE = 6" = 1'	CHECKED - AJG	REVISED -
PLOT DATE = 2017-03-23	DATE - 2008-02-25	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

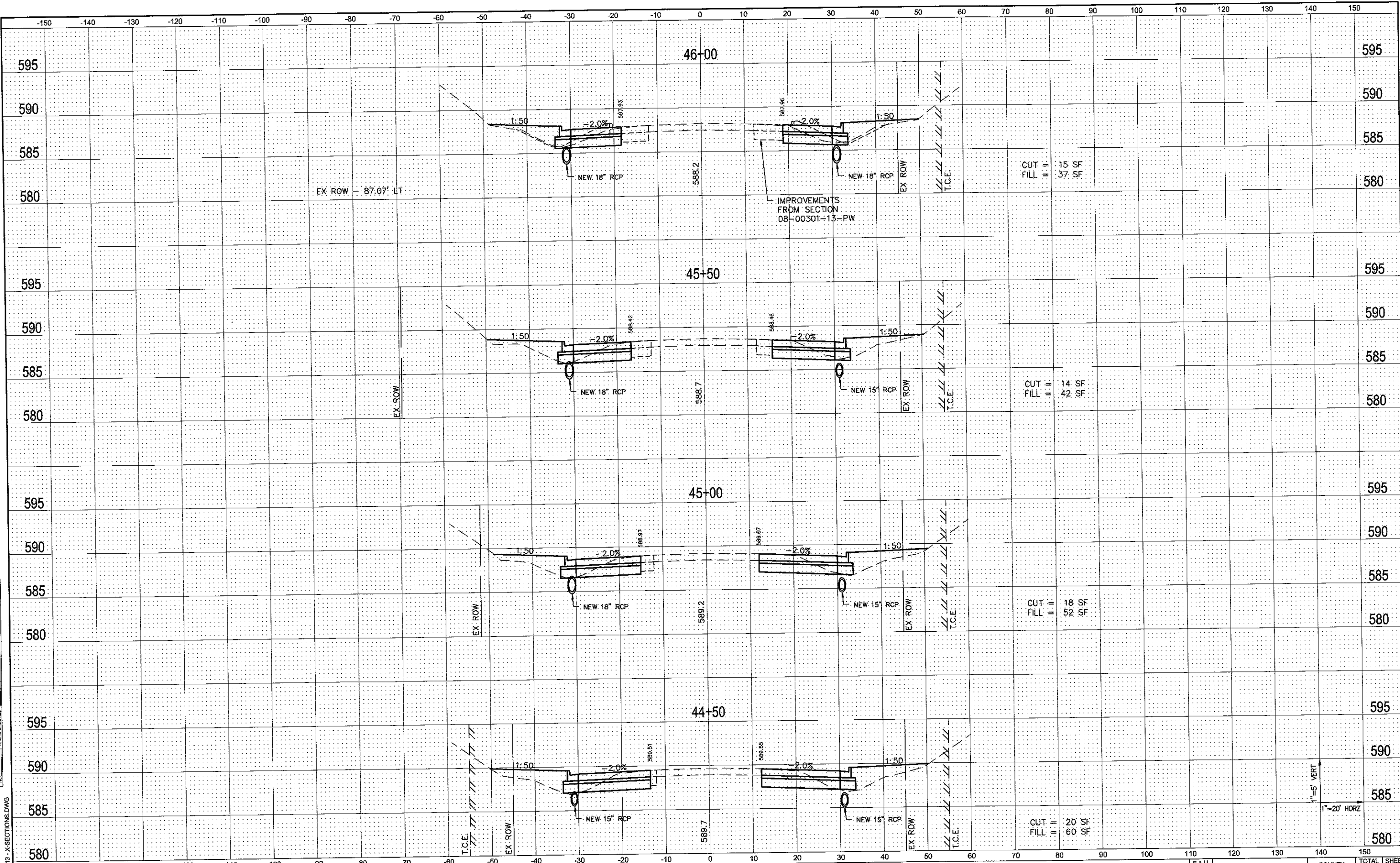
SCALE: SHEET NO. 25 OF 30 SHEETS STA. 42+50 TO STA. 44+00

F.A.U. RTE. 9330	SECTION 12 - 00301 - 14 - PW	COUNTY ST. CLAIR	TOTAL SHEETS 93	SHEET NO. 86
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 97582	

1" = 5' VERT  
 1" = 20' HORZ

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

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



CUT = 15 SF  
FILL = 37 SF

CUT = 14 SF  
FILL = 42 SF

CUT = 18 SF  
FILL = 52 SF

CUT = 20 SF  
FILL = 60 SF

1" = 5' VERT  
1" = 20' HORZ

FILE NAME = 14013 - X-SECTIONS.DWG  
**OATES ASSOCIATES**  
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 6" = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2017-03-23	CHECKED - ALG	REVISED -
	DATE - 2008-02-25	REVISED -

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

**CROSS SECTIONS**

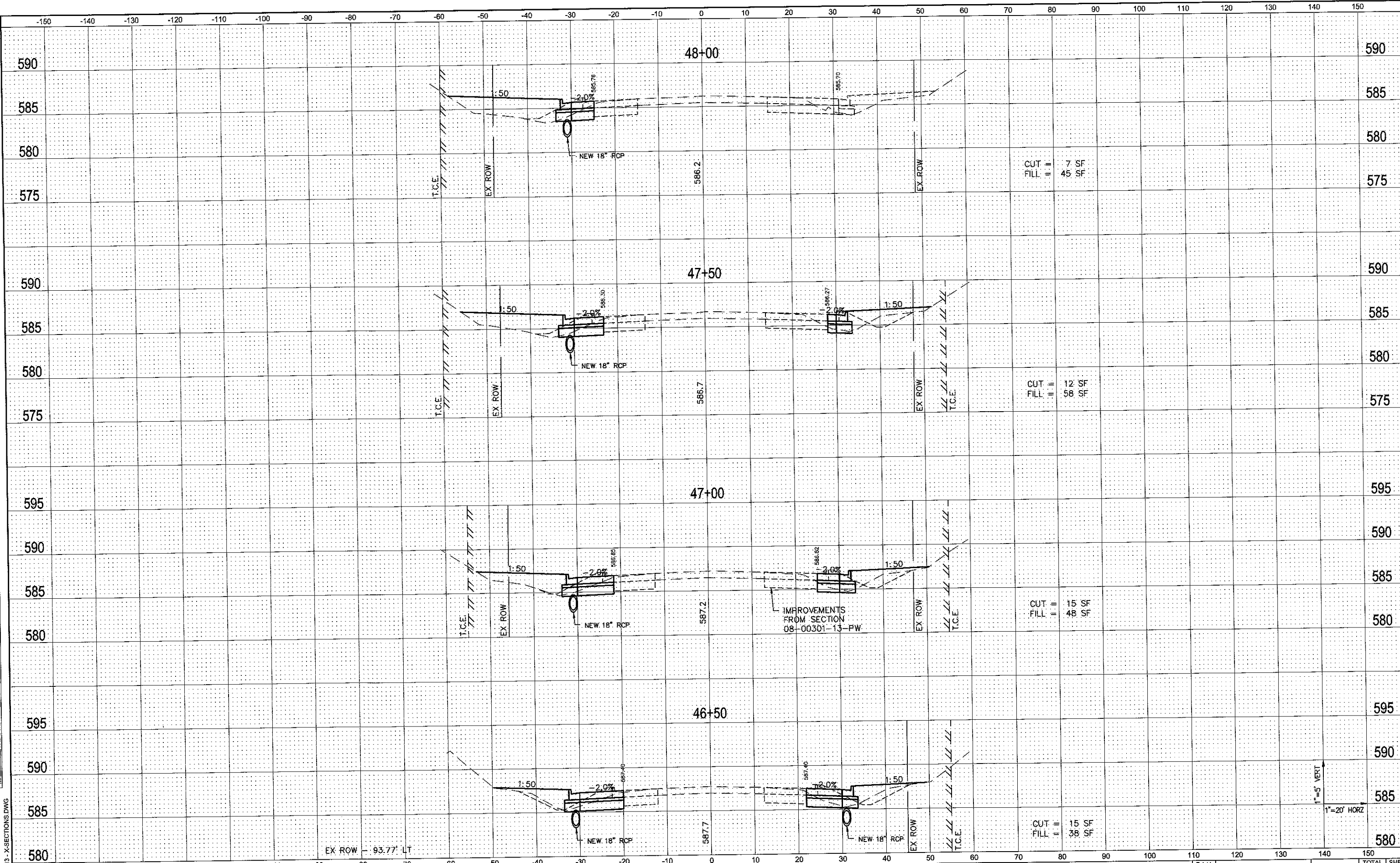
SCALE: SHEET NO. 26 OF 30 SHEETS STA. 44+50 TO STA. 46+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	89
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	
		CONTRACT NO. 97582		



DATE	
BY	
FINAL SURVEY PLOTTED	
NOTE BOOK NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY PLOTTED	
NOTE BOOK NO.	
AREAS CHECKED	



FILE NAME = 14013 - X-SECTIONS.DWG

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME =	SAM WRIGLEY
DESIGNED -	SSM
DRAWN -	SW3
CHECKED -	AJG
DATE -	2008-02-25
PLOT SCALE =	8" = 1'
PLOT DATE =	2017-03-23

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

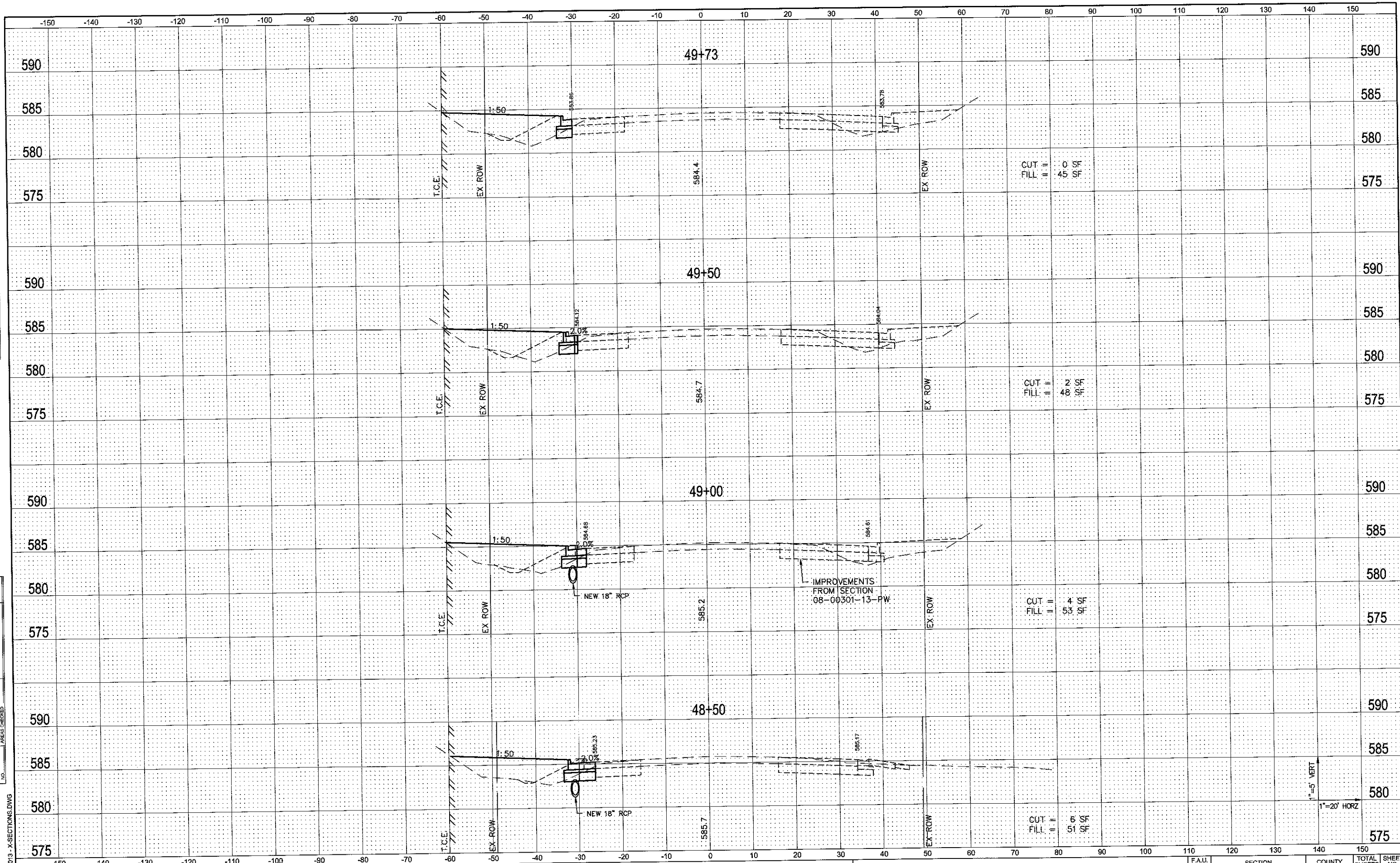
SCALE: SHEET NO. 27 OF 30 SHEETS STA. 46+50 TO STA. 48+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	90
CONTRACT NO. 97582				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

1" = 5' VERT  
 1" = 20' HORZ

DATE	
BY	
SURVEYED	
PLOTTED	
DATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS	
CHECKED	
NO.	



FILE NAME = 14013 - X-SECTIONS.DWG

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USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 6" = 1'	DRAWN - SWS	REVISED -
PLOT DATE = 2017-03-23	CHECKED - AJG	REVISED -
	DATE - 2008-02-25	REVISED -

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

**CROSS SECTIONS**

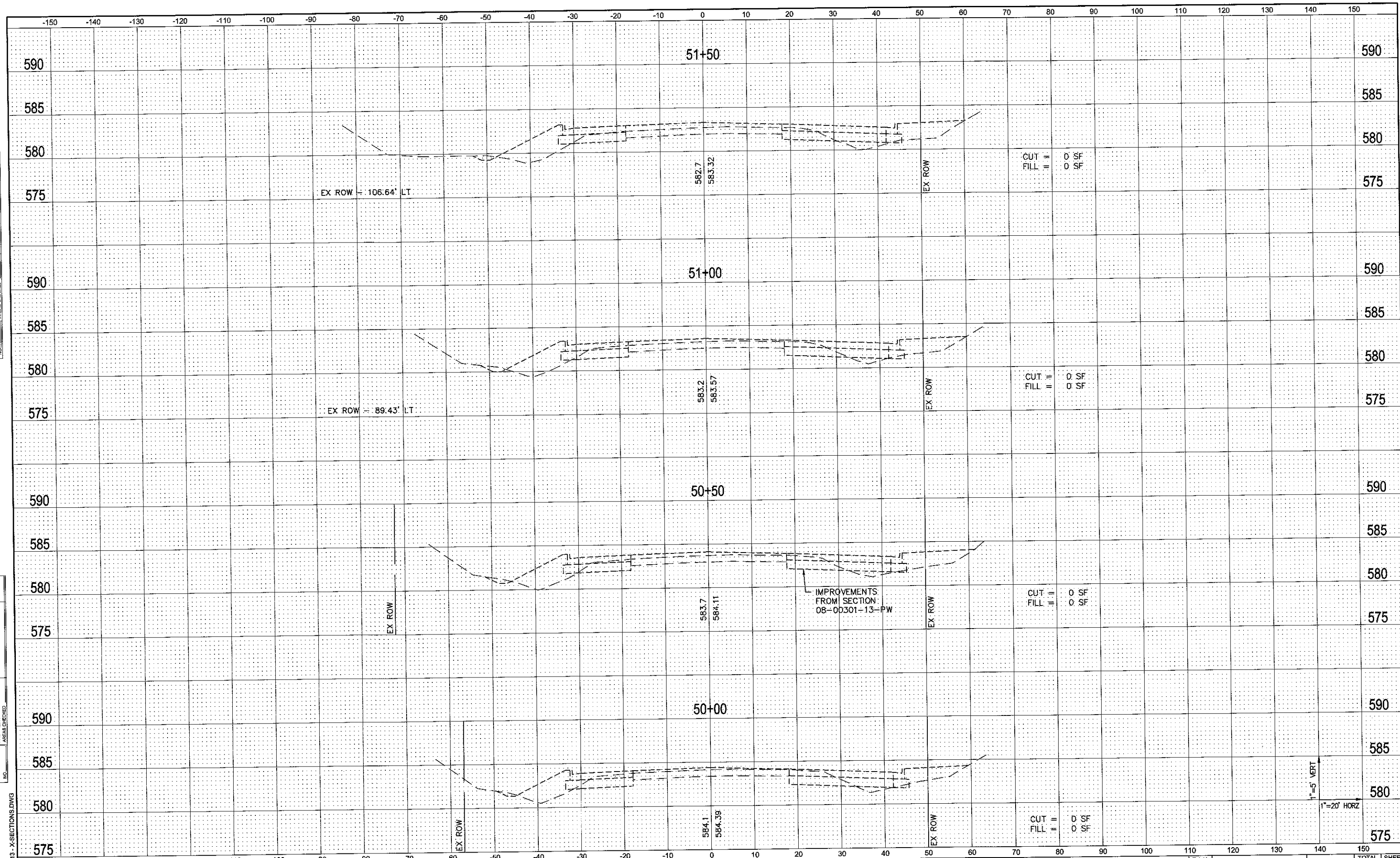
SCALE: SHEET NO. 28 OF 30 SHEETS STA. 49+50 TO STA. 49+73

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	91
CONTRACT NO. 97582			ILLINOIS FED. AID PROJECT	

1" = 5' VERT  
 1" = 20' HORZ

DATE	
BY	
SURVEYED	
PLOTTED	
DATE	
TEMPERATURE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
DATE	
TEMPERATURE	
AREAS	
CHECKED	
NO.	



FILE NAME = 14013 - X-SECTIONS.DWG

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = SAM WRIGLEY	DESIGNED - SSM	REVISED -
PLOT SCALE = 6" = 1'	DRAWN - SW3	REVISED -
PLOT DATE = 2017-03-23	CHECKED - AJG	REVISED -
	DATE - 2008-02-25	REVISED -

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

**CROSS SECTIONS**

SCALE: SHEET NO. 29 OF 30 SHEETS STA. 50+00 TO STA. 51+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	12 - 00301 - 14 - PW	ST. CLAIR	93	92
CONTRACT NO. 97582				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

