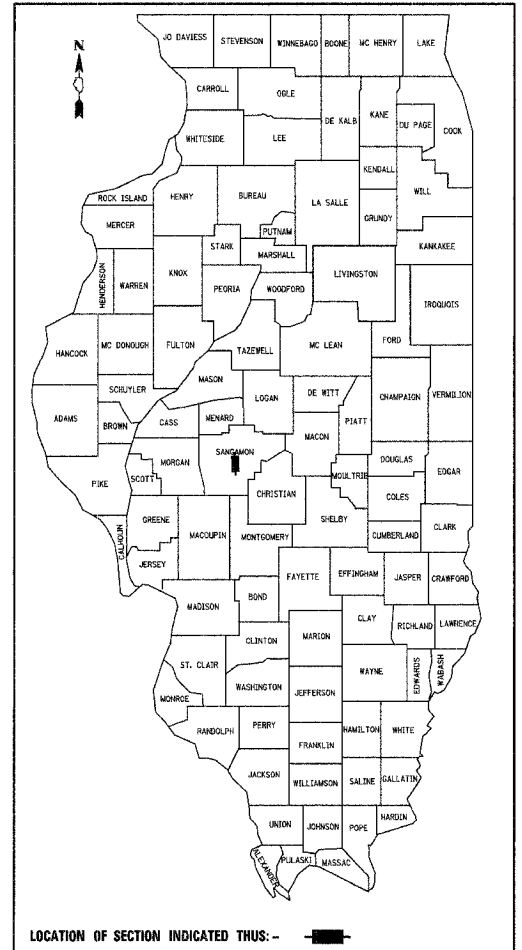


F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	1
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

**PLANS FOR PROPOSED ROADWAY
RECONSTRUCTION AND RESURFACING
SURFACE TRANSPORTATION /URBAN PROGRAM
F.A.U. ROUTE 7998 (C.H. 43 /EAST LAKE SHORE DRIVE)
SECTION: 97-00030-06-WR
PROJECT No. ^{BS}M-5146(073)
SANGAMON COUNTY
JOB No. C-96-239-08**

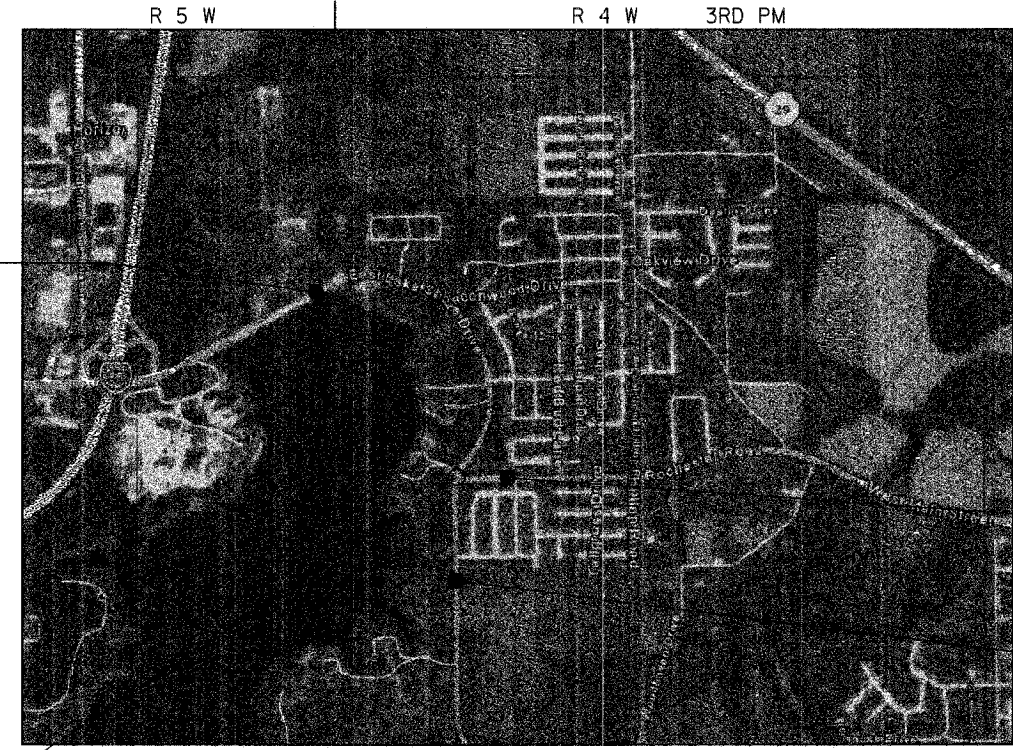
1	COVER SHEET
2	GENERAL NOTES
3 - 6	SUMMARY OF QUANTITIES
7 - 15	SCHEDULE OF QUANTITIES
16 - 20	TYPICAL SECTIONS
21	ALIGNMENT & TIES
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60 - 72	DRAINAGE PLANS
73 - 75	PAVEMENT MARKING DETAILS
76 - 80	TRAFFIC SIGNAL DETAILS
81 - 84	INTERSECTION DETAILS
85 - 86	SPECIAL DETAILS
87 - 109	CROSS SECTIONS - EAST LAKE SHORE DRIVE
110	CROSS SECTIONS - SERVICE DRIVE
111	CROSS SECTIONS - LACONWOOD DRIVE
112 - 117	CROSS SECTIONS - ROCHESTER ROAD

000001-05	602601-01	701306-01	805001
280001-04	602701-01	701311-02	814001-01
406201-01	604011-03	701326-02	814006-01
482001-02	606001-03	701501-04	857001
542301-01	606201-01	701502-02	873001-01
542306-01	630001-07	701801-03	876001
602011	642001	701901	877011-03
602016	701011-01	720016-01	878001-06
602301-01	701201-02	780001-01	880006
602401-01	701301-02	781001-02	

SCALES

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.

**PROJECT BEGINS
STA. 9 + 00.00**



**IMPROVEMENT ENDS
STA. 109 + 95.00**

**PROJECT ENDS
STA. 67 + 50.00**

⊕ STA. 56+50.00 PROP. EAST LAKE SHORE DRIVE =
⊕ STA. 100+00.00 PROP. ROCHESTER ROAD (FAU 8000/CH 56)

LOCATION MAP

APPROXIMATE SCALE:

EAST LAKE SHORE DRIVE = 5,850.00 FEET = 1.108 MILES
 ROCHESTER ROAD = 995.00 FEET = 0.188 MILES
 NET LENGTH OF SECTION = 6,845.00 FEET = 1.296 MILES

DESIGN CLASSIFICATION

EAST LAKE SHORE DRIVE (DESIGN SPEED = 45 MPH) -
 URBAN MINOR ARTERIAL ADT = 16,715 (2028)
 ROCHESTER ROAD (DESIGN SPEED = 45 MPH) -
 URBAN MINOR ARTERIAL ADT = 12,460 (2028)

Clayton M. Shipley
 CLAYTON M. SHIPLEY
 ILLINOIS P.E. 062.051269
 EXPIRES 11/30/2009

4/10/08
 DATE

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

APPROVED *April 14* 20 08
 COUNTY ENGINEER

PASSED *April 17* 20 08
W.R. Frey
 DISTRICT 6 CONSTRUCTION ENGINEER

PASSED *APRIL 17* 20 08
Fry
 DISTRICT SIX ENGINEER OF
 LOCAL ROADS & STREETS

Releasing For
 Bid Based on
 Limited Review
Christie M. Reed
 APRIL 17, 20 08
 DEPUTY DIRECTOR OF HIGHWAYS,
 REGION FOUR ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT No. 93467

CALL J.U.L.I.E. (JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS)
 48 Hours (2 working days) Before You Dig.
 TOLL FREE: 1 (800) 892-0123

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	2
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

- ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.
- ALL CONSTRUCTION SHALL COMPLY WITH THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", JANUARY 1, 2007 EDITION (INCLUDING CURRENT SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS), AND "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" (LATEST EDITION).
- NO WORK SHALL COMMENCE UNTIL ALL TRAFFIC CONTROL REQUIREMENTS ARE MET.
- ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- EXISTING TRAFFIC CONTROL AND ACCESS TO ALL SIDE ROADS AND ENTRANCES SHALL BE MAINTAINED BY THE CONTRACTOR DURING ALL STAGES OF CONSTRUCTION, UNLESS OTHERWISE NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE ALL ROAD SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING ALL STAGES OF CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE COST OF THIS CONTRACT.

ALL WORK INVOLVING ROAD SIGNS SHALL BE GOVERNED BY THE FOLLOWING REQUIREMENTS :

A. SIGNS SHALL NOT BE MOVED UNTIL NECESSITATED BY THE PROGRESS OF WORK.

B. EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND VISIBLE TO TRAFFIC FOR WHICH IT IS INTENDED. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING.

C. ALL SIGNS SHALL BE RE-ERECTED AT PROPOSED LOCATIONS AS THE ROADWAY IS COMPLETED. HORIZONTAL LOCATION FROM THE EDGE OF PAVEMENT SHALL BE AS DIRECTED BY THE ENGINEER.

D. ALL UNUSED SIGNS SHALL BE RETURNED TO THE APPROPRIATE GOVERNING BODY AS DIRECTED BY THE ENGINEER.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBERS LISTED ON THE PREVIOUS SHEET, OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- ALL SAW CUTS NECESSARY TO COMPLETE THE WORK AS DETAILED IN THESE PLANS SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED.
- AN EMULSIFIED ASPHALT PRIME SHALL BE REQUIRED FOR THE PRIMING OF THE MAINLINE PAVEMENT TO BE RESURFACED. THE AREA PRIMED SHALL BE LIMITED TO THAT WHICH WILL BE COVERED WITH BITUMINOUS CONCRETE THAT SAME DAY.
- ALL DISTURBED UNSURFACED AREAS WITHIN THE R-O-W AND EASEMENTS SHALL BE SEEDED, FERTILIZED, AND MULCHED AS SHOWN IN THE PLANS, SPECIAL PROVISIONS, AND AS DIRECTED BY THE ENGINEER. SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. FERTILIZER NUTRIENTS SHALL BE APPLIED TO BOTH THE SEEDED AREAS AND THE AREAS COVERED WITH EROSION CONTROL BLANKET. DO NOT INCLUDE MULCH ON EROSION CONTROL BLANKET AREAS.

- EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REMOVED PRIOR TO RESURFACING.
- THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE, AND ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATIONS, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVE GROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- IN ACCORDANCE WITH STATE OF ILLINOIS P.A. 86-0674, THE CONTRACTOR IS TO NOTIFY ALL PUBLIC AND PRIVATE UTILITY COMPANIES NOT MORE THAN 14 DAYS NOR LESS THAN 48 HOURS (EXCLUSIVE OF SATURDAYS, SUNDAYS AND HOLIDAYS) IN ADVANCE OF THE START OF EXCAVATION OR DEMOLITION. J.U.L.I.E. TELEPHONE NUMBER 1-800-892-0123. SEE SPECIAL PROVISIONS FOR KNOWN UTILITIES WITHIN THE PROJECT LIMITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL AGENCIES MAINTAINING SANITARY SEWERS, WATER MAINS, AND STREET LIGHTS TO VERIFY THE MATERIALS AND METHODS ALLOWED FOR THE ADJUSTMENT, RELOCATION OR EXTENSION OF THE UTILITY INVOLVED.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF RIGHT-OF-WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL FIELD TILES ENCOUNTERED SHALL BE CAREFULLY PRESERVED AND CONNECTED TO PROPOSED DRAINAGE STRUCTURES, SEWERS, OR DITCHES AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE COST OF THE VARIOUS DRAINAGE ITEMS OR AS DIRECTED BY THE ENGINEER.
- BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS/HER OPERATIONS.
- ALL TREES, BRUSH AND SHRUBS WITHIN THE CONSTRUCTION LIMITS WILL BE REMOVED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. TREES ALONG THE EDGE OF THE RIGHT-OF-WAY, OUTSIDE THE CONSTRUCTION LIMITS, SHALL BE SAVED IF, IN THE OPINION OF THE ENGINEER, THEY DO NOT INTERFERE WITH CONSTRUCTION OPERATIONS. THE CONTRACTOR WILL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS/HER OPERATIONS.
- THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

- THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.
- GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES, OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW CUTS OR FILLS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE QUANTITY FOR SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE REQUIRED STAGE OF CONSTRUCTION AS SHOWN IN THE SCHEDULE OF QUANTITIES.
- FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF 4 (FOUR) SAND BAGS PER BARRICADE.
- ALL OPENINGS IN PRECAST STRUCTURES, INCLUDING BOX CULVERTS, SHALL BE PRECAST TO THE PROPER SIZE. THIS INCLUDES OPENINGS FOR PIPE STRUCTURES, MANHOLE OPENINGS AND OPENINGS FOR PIPE UNDERDRAINS. COSTS FOR THESE OPENINGS AND THE CONNECTIONS SHALL BE CONSIDERED INCLUDED IN THE VARIOUS PAY ITEM FOR THE STRUCTURES INVOLVED.
- ALL DRAINAGE STRUCTURES SHALL BE DELIVERED TO THE STATE WITHOUT SILT, DEBRIS OR OTHER SUCH OBSTRUCTIONS AT THE TIME OF FINAL INSPECTION. THE CLEANING OF THESE DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE VARIOUS PAY ITEMS INVOLVED.
- ALL STATION AND OFFSET REFERENCES ARE TO THE PROPOSED ROADWAY CENTERLINE UNLESS OTHERWISE NOTED.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

LEGEND

	EXISTING	PROPOSED
LIGHT STANDARD		
POWER POLE, PL		
LIGHT POLE		
FIRE HYDRANT		
MEDIAN INLET (STD 542546)		
MEDIAN INLET (STD 604101)		
MANHOLE		
WATER METER		
WATER VALVE		
GAS VALVE		
TELEPHONE SPLICE BOX		
SIGN		
MAIL BOX		
SANITARY SEWER		
STORM SEWER		
WATER PIPE		
GAS PIPE		
TELEPHONE LINE		
ELECTRIC		
OVERHEAD ELECTRIC		
WIRE FENCE		
TREE STUMP		
TREE		

APPLICATION RATES

ALL BITUMINOUS ITEMS.....	= 112 LBS / SQ YD INCH
LIME.....	= 0.02 TONS / SQ YD
WATER.....	= 0.008 UNITS / SQ YD
BITUMINOUS MATERIALS (PRIME COAT) ON BITUMINOUS.....	= 0.00038 TONS / SQ YD
BITUMINOUS MATERIALS (PRIME COAT) ON AGGREGATE.....	= 0.001425 TONS / SQ YD
AGGREGATE (PRIME COAT).....	= 0.002 TONS / SQ YD
ALL AGGREGATE ITEMS FOR ROADWAY.....	= 2.05 TONS / CU YD
STONE DUMPED RIPRAP.....	= 1.50 TONS / CU YD
NITROGEN FERTILIZER NUTRIENT.....	= 90 LBS / ACRE
PHOSPHORUS FERTILIZER NUTRIENT.....	= 90 LBS / ACRE
POTASSIUM FERTILIZER NUTRIENT.....	= 90 LBS / ACRE
AGRICULTURAL GROUND LIMESTONE.....	= 2 TONS / ACRE
MULCH, METHOD 2.....	= 2 TONS / ACRE

MIXTURE REQUIREMENTS

MIXTURE USE(S):	SURFACE	BINDER (UPPER LIFT)	BINDER (LOWER LIFTS)	LEVELING BINDER
PG	SBS-PG64-28	SBS-PG64-28	PG64-22	SBS-PG64-28
RAP % (MAX)**	-	-	-	-
DESIGN AIR VOIDS	4% @ N50	4% @ N50	4% @ N50	4% @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL-9.5 or 12.5	IL-19.0	IL-19.0	IL-9.5 or IL-12.5
FRICTION AGGREGATE	MIX D	-	-	-
MIXTURE WEIGHT	112*/SY. IN	112*/SY. IN	112*/SY. IN	112*/SY. IN

ie CONSULTANTS
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 IESPRINGFIELD@IE-CONSULTANTS.COM
 WWW.IE-CONSULTANTS.COM

GENERAL NOTES

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
CMS	AAD	CMS	4/4/08

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	3
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

ITEM NO.	DESCRIPTION	UNIT	ROADWAY QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	474
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	650
20100500	TREE REMOVAL, ACRES	ACRE	0.7
20200100	EARTH EXCAVATION	CU YD	22,982
20800150	TRENCH BACKFILL	CU YD	1,258
25000200	SEEDING, CLASS 2	ACRE	8
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	720
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	720
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	720
25000700	AGRICULTURAL GROUND LIMESTONE	TON	16
25100120	MULCH, METHOD 2	TON	16
25200100	SODDING	SQ YD	12
25200200	SUPPLEMENTAL WATERING	UNIT	0.1
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2,373
28000300	TEMPORARY DITCH CHECKS	EACH	56
28000400	PERIMETER EROSION BARRIER	FOOT	7,044
28000500	INLET AND PIPE PROTECTION	EACH	16
28100725	STONE DUMPED RIPRAP, CLASS B3	SQ YD	6
28100830	STONE DUMPED RIPRAP, CLASS B4	TON	31
28200200	FILTER FABRIC	SQ YD	37
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	34,530
30201500	LIME	TON	691
35100300	AGGREGATE BASE COURSE, TYPE A 4"	SQ YD	470
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	2,917
35650300	BASE COURSE WIDENING 8"	SQ YD	350
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	18,371
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	452
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	211
40600990	TEMPORARY RAMP	SQ YD	44
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	343
40701901	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11"	SQ YD	30,279
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	457
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3,554
44000100	PAVEMENT REMOVAL	SQ YD	17,564
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	3,693
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,953
44000300	CURB REMOVAL	FOOT	63
44000400	GUTTER REMOVAL	FOOT	384
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	6
44000600	SIDEWALK REMOVAL	SQ FT	68
44004250	PAVED SHOULDER REMOVAL	SQ YD	3,514
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	1,639
48101200	AGGREGATE SHOULDERS, TYPE B	TON	148
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	1,374
48203100	HOT-MIX ASPHALT SHOULDERS	TON	39
50105220	PIPE CULVERT REMOVAL	FOOT	1,348
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	5
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	5
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	3
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	4
54214527	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 42"	EACH	4

CONSTRUCTION TYPE CODE: 1000
 • SEE SPECIAL PROVISION
 < DENOTES "SPECIALTY ITEM"

ie consultants
 IE CONSULTANTS, INC.
 6420 SOUTH SIXTH STREET
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SUMMARY OF QUANTITIES

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	4
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

ITEM NO.	DESCRIPTION	UNIT	ROADWAY QUANTITY
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	68
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	84
542A1075	PIPE CULVERTS, CLASS A, TYPE 2 30"	FOOT	120
542A5497	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 42"	FOOT	192
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	1,951
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	276
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	230
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	143
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	431
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	315
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	102
55100500	STORM SEWER REMOVAL 12"	FOOT	278
55100700	STORM SEWER REMOVAL 15"	FOOT	405
55101100	STORM SEWER REMOVAL 21"	FOOT	56
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	3
60224600	RESTRICTED DEPTH MANHOLES, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4
60255500	MANHOLES TO BE ADJUSTED	EACH	5
60255905	MANHOLES TO BE ADJUSTED WITH NEW TYPE 3V FRAME AND GRATE	EACH	3
60260100	INLETS TO BE ADJUSTED	EACH	1
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	2
60500040	REMOVING MANHOLES	EACH	1
60500060	REMOVING INLETS	EACH	2
60600097	CLASS SI CONCRETE (OUTLET), SPECIAL	CU YD	5
60600605	CONCRETE CURB, TYPE B	FOOT	30
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	11,656
63301210	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	25
67100100	MOBILIZATION	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	4,057
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2,075
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	91,698
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	39,459
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	5,364
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	2,268
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	351
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,352
72000200	SIGN PANEL - TYPE 2	SQ FT	77.5
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	16,850
78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	10,607
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,565
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	377
78004200	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	SQ FT	780
78004230	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	FOOT	349
78004280	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	FOOT	202
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	359
80500100	SERVICE INSTALLATION, TYPE A	EACH	1

CONSTRUCTION TYPE CODE: 1000
 • SEE SPECIAL PROVISION
 < DENOTES "SPECIALTY ITEM"

	IE CONSULTANTS, INC. 6420 SOUTH SIXTH STREET SPRINGFIELD, ILLINOIS 62712 TEL. (217) 529-8027 FAX (217) 529-4543 IESPRINGFIELD@IE-CONSULTANTS.COM WWW.IE-CONSULTANTS.COM		
	SUMMARY OF QUANTITIES		

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

4/10/2008

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	5
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

ITEM NO.	DESCRIPTION	UNIT	ROADWAY QUANTITY
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	20
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	43
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	83
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	193
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	103
81400100	HANDHOLE	EACH	3
81400300	DOUBLE HANDHOLE	EACH	1
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2,232
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	442
82104250	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	4
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	191
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	848
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	412
87301265	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 9C	FOOT	303
87301275	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 12C	FOOT	457
87301275	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 6 PAIR	FOOT	144
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FOOT	28
87502700	TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	4
87702860	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT.	EACH	1
87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1
87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3.5
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	35
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
88040280	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
88040290	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
88102810	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	2
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	7
88800100	PEDESTRIAN PUSH-BUTTON	EACH	2
X0320872	VIDEO VEHICLE DETECTION SYSTEM	EACH	1
X0322118	REMOVE CONCRETE FLARED END SECTIONS	EACH	1
X0323153	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6 1C (GREEN)	FOOT	479
X0323265	REMOVE EXISTING RIPRAP	SQ YD	66
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	6
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	13
X6020074	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH	21
XX000714	FENCE TO BE REMOVED AND RE-ERECTED	FOOT	50
XX002012	RELOCATE SIGN, SPECIAL	EACH	1
XX002998	RESTRICTED DEPTH MANHOLES, 4' -DIAMETER, TYPE 3V FRAME AND GRATE	EACH	2
XX003404	TEMPORARY PAVEMENT, 8"	SQ YD	2,822
XX004096	REMOVE AND RE-INSTALL CONCRETE FLARED END SECTIONS	EACH	3
XX005640	RESTRICTED DEPTH CATCH BASINS, 3' -DIAMETER, TYPE 3V FRAME AND GRATE	EACH	22

CONSTRUCTION TYPE CODE: I000
 * SEE SPECIAL PROVISION
 < DENOTES "SPECIALTY ITEM"

	IE CONSULTANTS, INC. 6420 SOUTH SIXTH STREET SPRINGFIELD, ILLINOIS 62712 TEL: (217) 529-8027 FAX: (217) 529-4543 IESPRINGFIELD@IE-CONSULTANTS.COM WWW.IE-CONSULTANTS.COM
	SUMMARY OF QUANTITIES

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	7
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

TREE REMOVAL (UNIT)		
LOCATION	20100110 (6 TO 15 UNITS DIA.)	20100210 (OVER 15 UNITS DIA.)
STA. 15+35, 31' RT.		30
STA. 16+82, 39' RT.		30
STA. 20+08, 37' LT.	6	
STA. 20+08, 28' LT.	12	
STA. 20+14, 39' LT.	12	
STA. 20+19, 29' LT.	12	
STA. 20+22, 37' LT.	12	
STA. 20+28, 28' LT.	12	
STA. 24+56, 40' LT.		18
STA. 28+87, 35' LT.	15	
STA. 28+96, 42' LT.	15	
STA. 31+86, 18' LT.		18
STA. 32+04, 14' LT.		18
STA. 32+57, 11' LT.		24
STA. 32+72, 14' LT.		24
STA. 32+80, 21' LT.	12	
STA. 33+19, 20' LT.		24
STA. 33+51, 19' LT.	12	
STA. 34+05, 24' LT.		24
STA. 35+53, 28' LT.		18
STA. 35+99, 16' LT.	12	
STA. 36+10, 16' LT.	12	
STA. 36+18, 10' LT.		24
STA. 36+44, 16' LT.	12	
STA. 36+77, 53' LT.	12	
STA. 36+91, 40' LT.	12	
STA. 43+62, 39' LT.	10	
STA. 43+68, 31' LT.	10	
STA. 44+08, 41' LT.	10	
STA. 44+25, 36' LT.	12	
STA. 44+29, 54' LT.	8	
STA. 44+55, 45' LT.	12	
STA. 44+56, 38' LT.	10	
STA. 44+57, 43' LT.	6	
STA. 44+63, 39' LT.	12	
STA. 44+90, 34' LT.	8	
STA. 45+02, 33' LT.	8	
STA. 46+15, 53' LT.	15	
STA. 46+41, 39' LT.	6	
STA. 46+43, 41' LT.	6	
STA. 46+50, 60' LT.	6	
STA. 46+60, 51' LT.	6	

TREE REMOVAL (UNIT)		
LOCATION	20100110 (6 TO 15 UNITS DIA.)	20100210 (OVER 15 UNITS DIA.)
STA. 46+62, 44' LT.	10	
STA. 46+73, 36' LT.	6	
STA. 49+25, 36' LT.		24
STA. 52+00, 46' LT.		24
STA. 52+06, 63' LT.	8	
STA. 52+07, 45' LT.		24
STA. 52+18, 54' LT.	12	
STA. 52+32, 39' LT.	8	
STA. 52+41, 47' LT.		18
STA. 52+46, 39' LT.	8	
STA. 52+59, 39' LT.	15	
STA. 53+25, 44' LT.	15	
STA. 54+02, 41' LT.		18
STA. 54+23, 35' LT.	15	
STA. 54+48, 24' LT.		24
STA. 54+90, 17' LT.	10	
STA. 55+11, 26' LT.	10	
STA. 55+38, 21' LT.	8	
STA. 55+65, 11' LT.		30
STA. 56+11, 153' RT.		20
STA. 56+13, 161' RT.		18
STA. 56+15, 151' RT.		30
STA. 56+18, 158' RT.		24
STA. 56+28, 116' RT.		18
STA. 56+44, 182' RT.		18
STA. 56+48, 173' RT.		30
STA. 56+70, 127' RT.	6	
STA. 56+82, 187' RT.	10	
STA. 56+84, 21' LT.		24
STA. 56+99, 1' LT.	8	
STA. 56+99, 101' RT.		36
STA. 57+02, 32' LT.		18
TOTAL	474	650

EARTHWORK SCHEDULE				
LOCATION	20200100 EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (+) OR SHORTAGE (-) (CU YD)
EAST LAKE SHORE DRIVE				
STA. 9+00 TO STA. 14+50	599	449	690	-241
STA. 14+50 TO STA. 20+00	1,037	778	460	318
STA. 20+00 TO STA. 25+50	1,143	857	453	404
STA. 25+50 TO STA. 31+00	2,603	1,952	338	1,614
STA. 31+00 TO STA. 36+70	2,550	1,913	385	1,528
STA. 36+70 TO STA. 42+00	1,393	1,045	1,092	-47
STA. 42+00 TO STA. 47+50	1,706	1,280	1,045	235
STA. 47+50 TO STA. 53+00	1,471	1,103	1,585	-482
STA. 53+00 TO STA. 58+50	3,561	2,671	604	2,067
STA. 58+50 TO STA. 64+00	4,020	3,015	1,363	1,652
STA. 64+00 TO STA. 67+50	168	126	760	-634
ROCHESTER ROAD				
STA. 97+39 TO STA. 101+00	1,093	820	168	652
STA. 101+00 TO STA. 106+50	1,384	1,038	1,074	-36
STA. 106+50 TO STA. 109+95	71	53	122	-69
LACONWOOD DRIVE				
STA. 400+24 TO STA. 400+97	114	86	0	86
SERVICE ENTRANCE				
STA. 200+24 TO STA. 201+42	69	52	4	48
TOTAL	22,982	17,237	10,143	7,094

TREE REMOVAL SCHEDULE (ACRE)	
LOCATION	TREE REMOVAL (ACRE)
EAST LAKE SHORE DRIVE	
STA. 12+80 TO STA. 14+60, LT.	0.2
STA. 38+40 TO STA. 39+90, LT.	0.2
STA. 49+20 TO STA. 52+10, LT.	0.3
TOTAL	0.7

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consultants

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SCHEDULE OF QUANTITIES

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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4/9/2008

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	8
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

DRAINAGE REMOVAL SCHEDULE

STATION	REMOVING INLETS (EACH)	STORM SEWER REMOVAL 12" (FOOT)	STORM SEWER REMOVAL 15" (FOOT)	END SECTIONS TO BE REMOVED (EACH)	WATER VALVES TO BE ADJUSTED (EACH)
EAST LAKE SHORE DRIVE					
STA. 12+00, LT.					1
STA. 17+36, LT.					1
STA. 28+59 TO STA. 30+00, RT.			145		
STA. 30+00, RT.	1				
STA. 30+00 TO STA. 31+00, RT.			100		
STA. 31+00, RT.	1				
STA. 31+00 TO STA. 32+50, RT.			150		
STA. 32+50, RT.				1	
STA. 35+75, RT.				1	
STA. 35+75 TO STA. 37+07, RT.		126			
STA. 39+28 TO STA. 41+00, RT.		172			
STA. 41+00, RT.	1				
STA. 45+46 TO STA. 46+68, RT.			122		
STA. 49+00, RT.				1	
STA. 49+00 TO STA. 51+04, RT.		204			
STA. 51+04 TO STA. 53+25, RT.		215			
STA. 53+25, RT.				1	
TOTALS					

SCHEDULE OF QUANTITIES

REMOVAL SCHEDULE

STATION	CURB REMOVAL (FOOT)	GUTTER REMOVAL (FOOT)	COMBINATION CURB AND GUTTER REMOVAL (FOOT)	SIDEWALK REMOVAL (SQ FT)
EAST LAKE SHORE DRIVE				
STA. 10+00, LT.			6	
STA. 10+00, RT.	13			68
BRITTANY LANE				
STA. 300+00 TO STA. 300+59		90		
LACONWOOD DRIVE				
STA. 400+00 TO 400+98		223		
BUCKEYE DRIVE				
STA. 500+38 TO STA. 500+62	50			
STA. 500+00 TO STA. 500+88		71		
TOTALS	63	384	6	68

FENCE AND GUARDRAIL SCHEDULE

STATION	REMOVAL AND REINSTALLATION OF EXISTING STEEL PLATE BEAM GUARDRAIL, TYPE A (FOOT)	REMOVE AND RESET FENCE (FOOT)
EAST LAKE SHORE DRIVE		
STA. 10+00, RT.	25	
STA. 13+82 TO STA. 14+35, RT.		50
TOTALS	25	50

PIPE CULVERT REMOVAL SCHEDULE

STATION	PIPE CULVERT REMOVAL (FOOT)
EAST LAKE SHORE DRIVE	
RT. STA. 11+11	40
RT. STA. 14+49	36
LT. STA. 15+21	43
LT. STA. 17+02	22
RT. STA. 17+09	49
LT. STA. 21+23	53
RT. STA. 21+28	36
STA. 24+45	41
STA. 28+50	46
LT. STA. 29+64	106
STA. 37+07	53
STA. 39+25	56
RT. STA. 41+30	48
LT. STA. 42+36	108
RT. STA. 44+94	50
STA. 46+50	46
STA. 51+00	84
LT. STA. 53+49	23
LT. STA. 54+70	24
RT. STA. 55+52	31
RT. STA. 58+00	92
STA. 61+25	78
STA. 63+25	84
ROCHESTER ROAD	
LT. STA. 104+15	31
LT. STA. 105+56	68
TOTAL	1,348

ENTRANCE SCHEDULE

STATION	ENTRANCE TYPE	INCIDENTAL BITUMINOUS SURFACING (TON)	DRIVEWAY PAVEMENT REMOVAL (SQ YD)	AGGREGATE BASE COURSE TYPE A 8" (SQ YD)	BITUMINOUS MATERIALS (PRIME COAT) (GALLON)	TEMPORARY ACCESS (PRIVATE ENTRANCE) (EACH)	TEMPORARY ACCESS (COMMERCIAL ENTRANCE) (EACH)
RT. STA. 11+11	C.E.	12	87	77	22		1
LT. STA. 12+74	SERV. DR.	75		479	135		1
RT. STA. 14+49	C.E.	21	137	130	37		1
LT. STA. 15+21	P.E./MBTO	9	106	57	16	1	
LT. STA. 17+02	C.E.	10	130	60	17		1
RT. STA. 17+09	P.E./MBTO	15	97	96	27	1	
RT. STA. 17+81	C.E.	7	52	47	14		1
RT. STA. 21+28	C.E.	25	135	160	45		1
RT. STA. 33+50	C.E.	23	118	148	42		1
RT. STA. 41+02	C.E.	19	63	129	37		1
RT. STA. 43+08	C.E.	18	50	114	32		1
LT. STA. 43+18	MBTO	3		20	6		
LT. STA. 44+62	MBTO	3		18	6		
RT. STA. 44+94	C.E.	17	70	106	30		1
LT. STA. 53+49	P.E./MBTO	9	93	62	18	1	
LT. STA. 54+68	P.E./MBTO	10		67	19	1	
RT. STA. 55+52	C.E.		190				1
RT. STA. 56+62	SERV. DR.	136		852	239		1
RT. STA. 57+56	C.E.		568				1
LT. STA. 57+72	MBTO	3		18	6		
LT. STA. 104+17	P.E.	10		62	18	1	
LT. STA. 105+54	P.E.	11	57	74	21	1	
RT. STA. 55+50 TO STA. 56+50	BIKE TRAIL	21		141	40		
TOTALS	TOTALS	457	1,953	2,917	827	6	13

SEEDING SCHEDULE

STATION TO STATION	SEEDING CLASS 2 (ACRE)	NITROGEN (POUND)	PHOSPHORUS (POUND)	POTASSIUM (POUND)	AGRICULTURAL GROUND LIMESTONE (TON)	MULCH, METHOD 2 (TON)	TEMPORARY EROSION CONTROL SEEDING (POUND)	
EAST LAKE SHORE DRIVE								
9+00	14+50	0.43	39	39	39	0.86	0.86	129
14+50	20+00	0.37	34	34	34	0.74	0.74	111
20+00	25+50	0.41	37	37	37	0.82	0.82	123
25+50	31+00	0.62	56	56	56	1.24	1.24	186
31+00	36+70	0.69	63	63	63	1.38	1.38	207
36+70	42+00	0.58	53	53	53	1.16	1.16	174
42+00	47+50	0.59	54	54	54	1.18	1.18	177
47+50	53+00	0.52	47	47	47	1.04	1.04	156
53+00	58+50	1.09	99	99	99	2.18	2.18	327
58+50	64+00	1.31	118	118	118	2.62	2.62	393
64+00	67+50	0.40	36	36	36	0.80	0.80	120
SUB-TOTAL ELSD		7.01	636	636	636	14	14	2,103
ROCHESTER ROAD								
101+00	106+50	0.76	69	69	69	1.52	1.52	228
106+50	109+95	0.14	13	13	13	0.28	0.28	42
SUB-TOTAL RR		0.90	82	82	82	2	2	270
TOTAL (ALL ROADS)		8.0	720	720	720	16	16	2,373

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SCHEDULE OF QUANTITIES

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	9
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

STRIPING SCHEDULE																		
LOCATION	THERMOPLASTIC PAVEMENT MARKING - LINE 4"			THERMOPLASTIC PAVEMENT MARKING - LINE 5"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID - LINE 24"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID - LETTERS AND SYMBOLS	RAISED REFLECTIVE PAVEMENT MARKER	SHORT-TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING, LETTERS & SYMBOLS	TEMPORARY PAVEMENT MARKING					WORK ZONE PAVEMENT MARKING REMOVAL
	SOLID YELLOW	SKIP-DASH YELLOW	DOUBLE YELLOW	SOLID WHITE	SOLID WHITE	DOTTED WHITE	YELLOW	WHITE	WHITE	(EACH)	(FOOT)	(SQ FT)	4"	5"	6"	12"	24"	(SQ FT)
	(FOOT)			(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(SQ FT)	(EACH)	(FOOT)	(SQ FT)	(FOOT)					(SQ FT)
EAST LAKE SHORE DRIVE																		
9+00 TO 12+67			680	748	90	36			31.2	21	110	93.6	1,440	762	372			37
12+67 TO 21+23	580	145	585	1640	185	50	50		93.6	45	500	280.8	6,345	5,139	705	240		167
21+23 TO 29+64	760	190	1290	1626	245	50	50		93.6	45	490	280.8	6,270	5,052	705	240		163
29+64 TO 42+37	1582	396	1170	2510	185	50	50	26	156.0	65	740	468	9,354	7,638	705	240		248
42+37 TO 56+50	1882	470	1174	2709	400	85	55	38	249.6	76	880	561.6	10,245	8,478	1,287	240		293
56+50 TO 67+50			2962	746	200	39	112	43	46.8	57	580	93.6	9,342	6,600	705	540		193
ROCHESTER ROAD																		
98+74 TO 99+88			150	245				18			58		801				54	19
100+00 TO 109+95			2654	1987	200	39	60	32	93.6	50	592	249.6	9,378	5,790	705	672	96	197
BRITTANY LANE																		
300+40 TO 300+65			60	70				17			27		198				51	9
LACONWOOD DRIVE																		
400+40 TO 401+01			120	121	60			28	15.6		58	46.8	360		180		84	19
BUCKEYE DRIVE																		
500+40 TO 500+90				105				26			22					96	66	7
STAGE 1																		
EAST LAKE SHORE DRIVE																		
9+00 TO 12+67													835					
12+67 TO 21+23													1,932					
21+23 TO 29+64													1,903					
29+64 TO 42+37													2,865					
42+37 TO 56+50													3,185					
56+50 TO 67+50													2,480					
ROCHESTER ROAD																		
98+74 TO 99+88													3,860					
100+00 TO 109+95																		
SUB-TOTALS	4,804	1,201	10,845	10,607	1,565	349	377	202	780.0	359	4,057	2,075	70,793	39,459	5,364	2,268	351	1,352

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SCHEDULE OF QUANTITIES


DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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4/9/2008

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	10
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

STRIPING SCHEDULE																									
LOCATION	THERMOPLASTIC PAVEMENT MARKING - LINE 4"			THERMOPLASTIC PAVEMENT MARKING - LINE 5"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID - LINE 24"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, INLAID - LETTERS AND SYMBOLS	RAISED REFLECTIVE PAVEMENT MARKER	SHORT-TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING, LETTERS & SYMBOLS	TEMPORARY PAVEMENT MARKING					WORK ZONE PAVEMENT MARKING REMOVAL							
	SOLID YELLOW	SKIP-DASH YELLOW	DOUBLE YELLOW	SOLID WHITE	SOLID WHITE	DOTTED WHITE	YELLOW	WHITE	WHITE	(EACH)	(FOOT)	(SQ FT)	4"	5"	6"	12"	24"	(SQ FT)							
	(FOOT)			(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(SQ FT)	(EACH)	(FOOT)	(SQ FT)	(FOOT)					(SQ FT)							
STAGE 1A																									
ROCHESTER ROAD																									
100+00.00 TO 109+65.00																		3,845							
STAGE 2																									
EAST LAKE SHORE DRIVE																									
9+00.00 TO 12+67.30																		835							
12+67.30 TO 21+23.34																		1,932							
21+23.34 TO 29+64.91																		1,903							
29+64.91 TO 42+37.46																		2,865							
42+37.46 TO 56+50.00																		3,185							
56+50.00 TO 67+50.00																		2,480							
ROCHESTER ROAD																									
98+74.00 TO 100+00.00																									
100+00.00 TO 109+65.00																		3,860							
SUB-TOTALS	0	0	0	0	0	0	0	0	0	0	0	0	20,905	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	4,804	1,201	10,845	10,607	1,565	349	377	202	780.0	359	4,057	2,075	91,698	39,459	5,364	2,268	351	1,352							



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SCHEDULE OF QUANTITIES

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

4/9/2008

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	11
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

EROSION CONTROL SCHEDULE							
STATION	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET & PIPE PROTECTION	STONE DUMPED RIPRAP CLASS B3	STONE DUMPED RIPRAP CLASS B4	FILTER FABRIC	REMOVE EXISTING RIPRAP
	(EACH)	(FOOT)	(EACH)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)
EAST LAKE SHORE DRIVE							
STA. 9+10 TO STA. 12+70, LT.		427					
STA. 9+53, RT.					10	10	10
STA. 9+53 TO STA. 10+95, RT.		166					
STA. 10+03, RT.			1				
STA. 11+28 TO STA. 14+00, RT.		270					
STA. 12+90 TO STA. 14+50, LT.		230					
STA. 14+50 TO STA. 15+12, LT.		62					
STA. 17+10 TO STA. 20+00, LT.		297					
STA. 17+20, LT.			1				
STA. 18+50 TO STA. 19+50, RT.		96					
STA. 20+00 TO STA. 21+00, LT.		114					
STA. 21+45 TO STA. 25+50, RT.		410					
STA. 24+77 TO STA. 25+50, LT.		73					
STA. 25+50 TO STA. 27+20, LT.		172					
STA. 25+50 TO STA. 25+93, RT.		43					
STA. 28+00, LT.	1						
STA. 28+00 TO STA. 29+00, RT.		101					
STA. 29+00, LT.			1				
STA. 30+00 TO STA. 31+00, LT.		146					
STA. 30+50, LT.			1				
STA. 31+00 TO STA. 36+70, LT.		578					
STA. 32+00, LT.	1						
STA. 33+70, LT.	1						
STA. 35+40, LT.	1						
STA. 35+00, RT.	1						
STA. 35+70, RT.			1				
STA. 36+70 TO STA. 41+20, RT.		450					
STA. 36+80, LT.	1						
STA. 36+90, RT.	1						
STA. 37+07, LT.			1				
STA. 37+07, RT.	1						
STA. 37+30, RT.	1						
STA. 38+50 TO STA. 42+00, LT.		370					
STA. 39+10, LT.	1						
STA. 39+25, LT.			1				
STA. 39+25, RT.	1						
STA. 39+40, LT.	1						

EROSION CONTROL SCHEDULE							
STATION	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET & PIPE PROTECTION	STONE DUMPED RIPRAP CLASS B3	STONE DUMPED RIPRAP CLASS B4	FILTER FABRIC	REMOVE EXISTING RIPRAP
	(EACH)	(FOOT)	(EACH)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)
EAST LAKE SHORE DRIVE							
STA. 40+00, LT.	1						
STA. 40+60, LT.	1						
STA. 41+00, RT.			1				
STA. 41+50, LT.	1						
STA. 42+50 TO STA. 45+00, LT.		248					
STA. 43+60, LT.	1						
STA. 44+40, LT.	1						
STA. 44+40, RT.	1						
STA. 45+10, LT.	1						
STA. 46+00, LT.	1						
STA. 46+30, LT.	1						
STA. 46+40, LT.			1				
STA. 46+90, RT.	1						
STA. 47+00, RT.	1						
STA. 47+10, RT.	1						
STA. 47+45, LT.	1						
STA. 48+80 TO STA. 51+20, LT.		256					
STA. 50+00, LT.	1						
STA. 50+25 TO STA. 52+00, RT.		212					
STA. 50+50, LT.	1						
STA. 50+55, LT.			1				
STA. 50+80, LT.	1						
STA. 51+50, LT.	1						
STA. 53+00 TO STA. 55+75, RT.		350					
STA. 54+80 TO STA. 56+00, LT.		157					
STA. 56+12, LT.			1				
STA. 57+00, LT.	1						
STA. 57+17, LT.				3		3	
STA. 57+75, RT.	1						
STA. 58+10, LT.	1						

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SCHEDULE OF QUANTITIES

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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4/5/2008

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	12
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

EROSION CONTROL SCHEDULE							
STATION	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET & PIPE PROTECTION	STONE DUMPED RIPRAP CLASS B3	STONE DUMPED RIPRAP CLASS B4	FILTER FABRIC	REMOVE EXISTING RIPRAP
	(EACH)	(FOOT)	(EACH)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)
EAST LAKE SHORE DRIVE							
STA. 58+14 TO STA. 64+00, LT.		564					
STA. 59+00, RT.	1						
STA. 59+10, LT.	1						
STA. 59+90, LT.	1						
STA. 61+00, LT.			2				
STA. 61+00, RT.	1						
STA. 61+30, LT.	1						
STA. 61+30, LT.	1						
STA. 61+60, RT.	1				17	17	
STA. 62+00 TO STA. 64+00, RT.		210					
STA. 62+02, RT.				3		3	
STA. 62+70, LT.	1						
STA. 63+00, RT.	1				4	4	
STA. 63+25, RT.	1						
STA. 63+50, LT.	1						
STA. 63+50, RT.	1						
STA. 63+68, LT.			1				
STA. 64+00, RT.	1						
STA. 64+00 TO STA. 67+50, LT.		360					
STA. 64+00 TO STA. 67+50, RT.		354					
STA. 64+10, LT.	1						
STA. 64+55, RT.	1						
STA. 64+65, LT.	1						
STA. 65+00, LT.	1						
STA. 65+00, RT.	1						
STA. 66+00, LT.	1						
STA. 66+00, RT.	1						
SUB-TOTAL EAST LAKE SHORE DRIVE	52	6,716	14	6	31	37	10
ROCHESTER ROAD							
STA. 101+06 TO STA. 103+90, RT.		328					
STA. 102+00, LT.	1						
STA. 102+00, RT.	1						
STA. 104+00, LT.	1						
STA. 104+00, RT.	1						
STA. 104+31, LT.			1				
STA. 105+71, LT.			1				
SUB-TOTAL ROCHESTER ROAD	4	328	2	0	0	0	0
OVERALL TOTAL	56	7,044	16	6	31	37	10

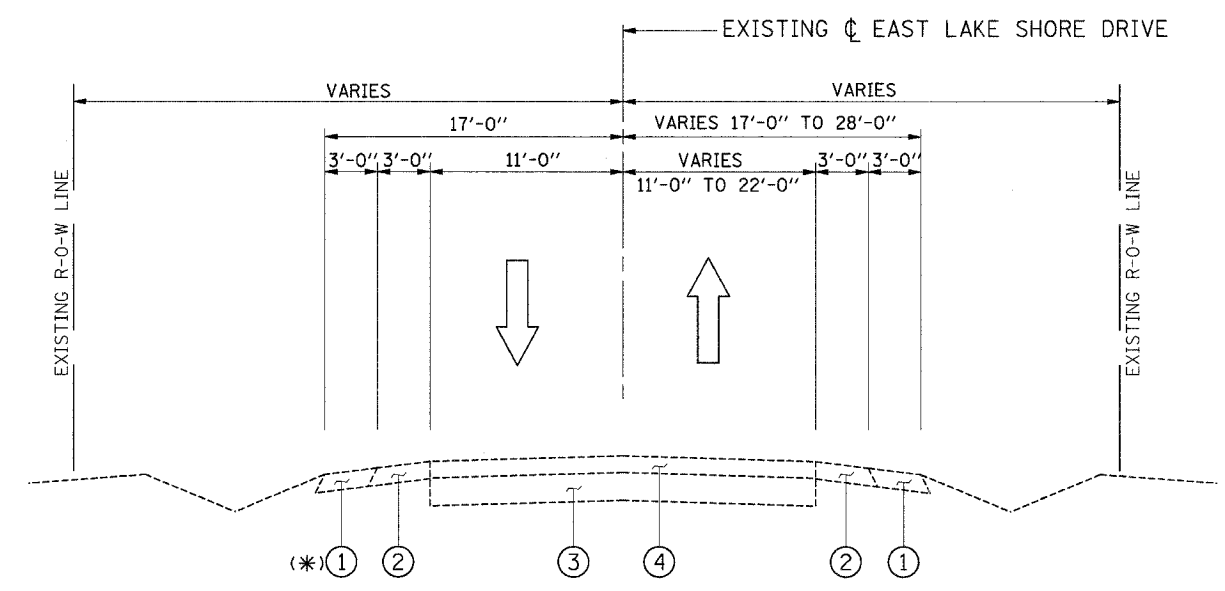
	IE CONSULTANTS, INC. 6420 SOUTH SIXTH STREET SPRINGFIELD, ILLINOIS 62712 TEL. (217) 529-8027 FAX (217) 529-4543 IESPRINGFIELD@IE-CONSULTANTS.COM WWW.IE-CONSULTANTS.COM
	SCHEDULE OF QUANTITIES

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	16
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

LEGEND

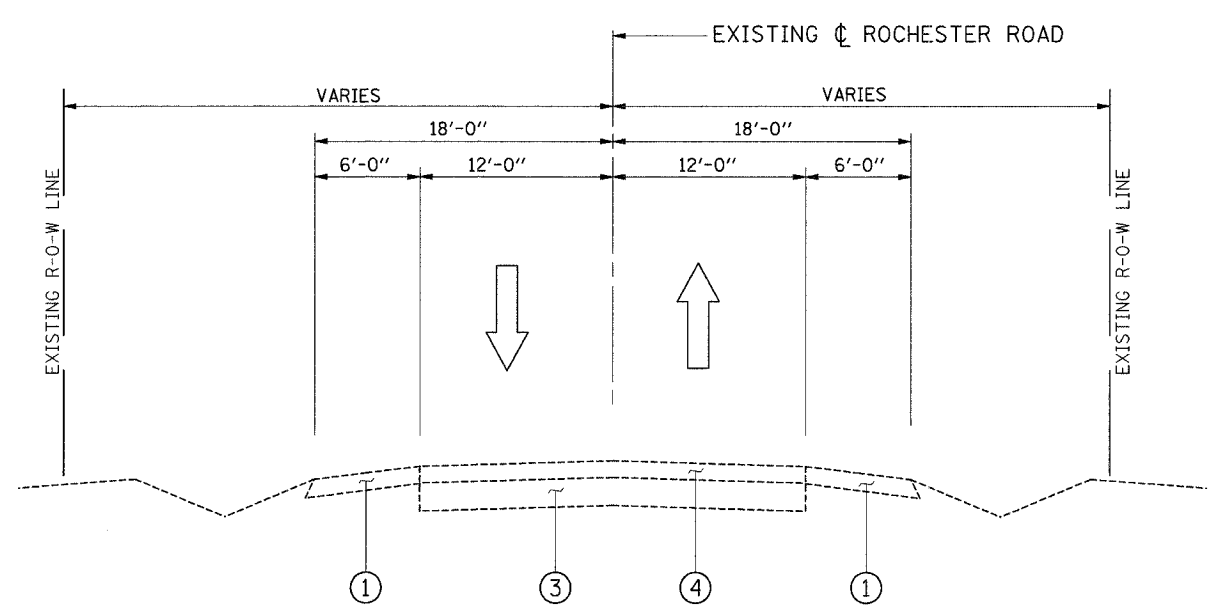
- ① EX AGGREGATE SHOULDER
- ② EX BITUMINOUS SHOULDER
- ③ EX SUB-BASE
- ④ EX BITUMINOUS OVERLAY



**EXISTING TYPICAL SECTION
EAST LAKE SHORE DRIVE**

STA. 9+00.00 TO STA. 67+50.00

(*) EX CURB & GUTTER B-6.24
FROM STA. 9+00.00 TO 10+00.00



**EXISTING TYPICAL SECTION
ROCHESTER ROAD**

STA. 100+00.00 TO STA. 110+00.00

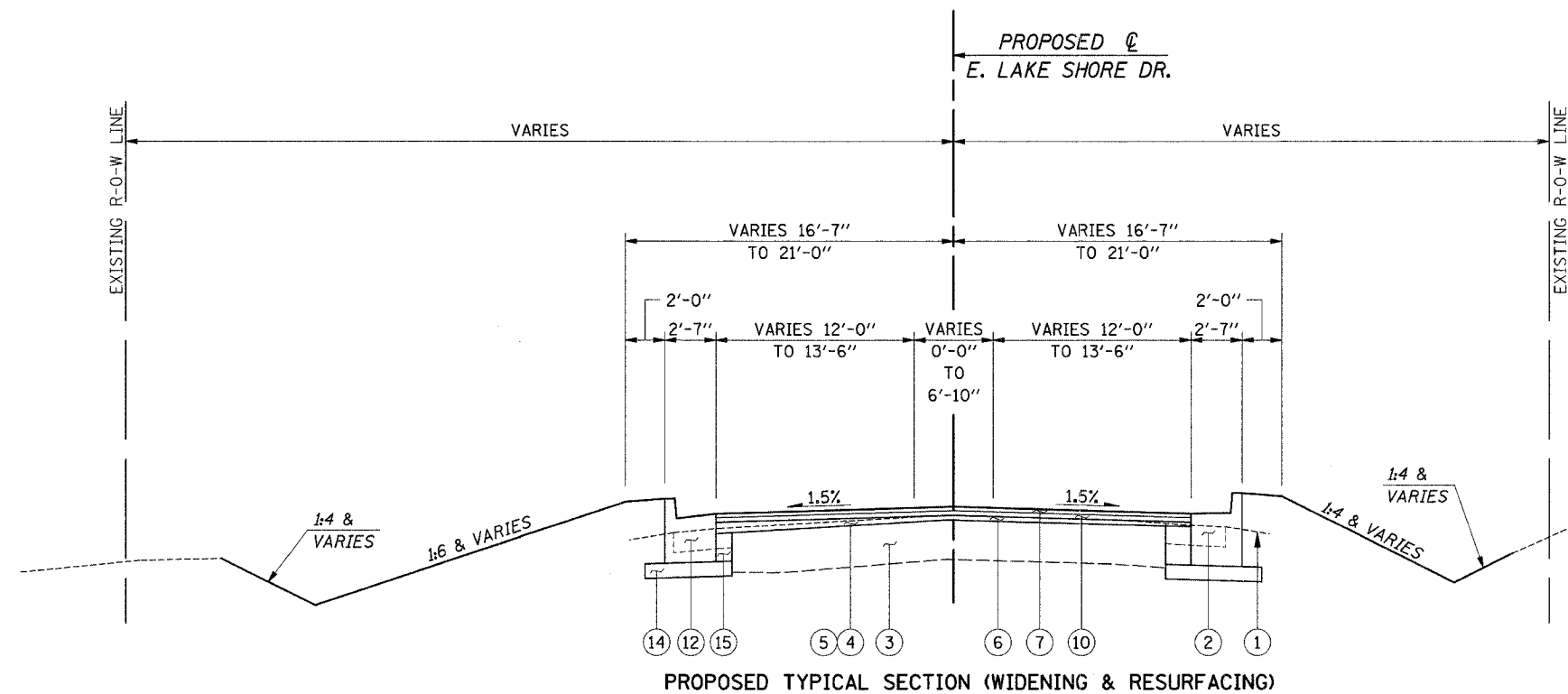
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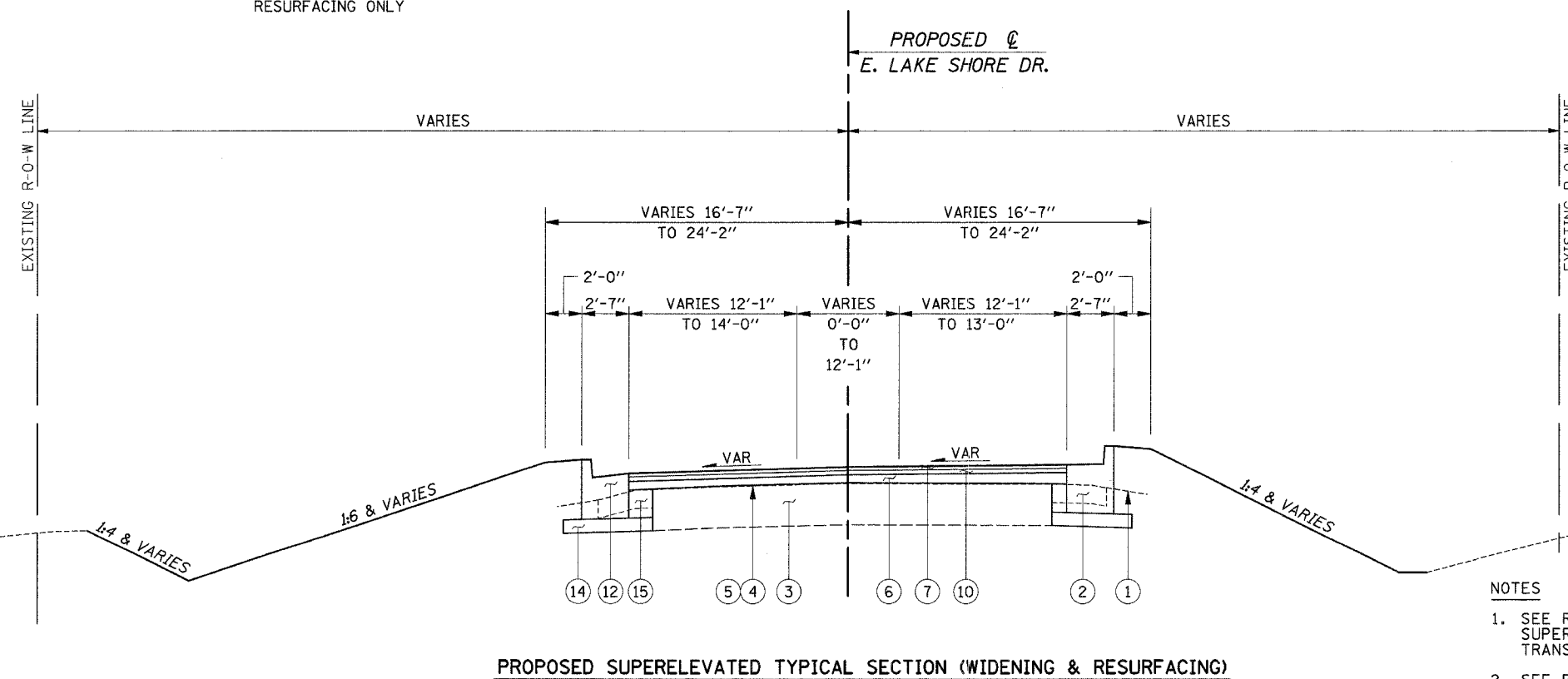
EXISTING TYPICAL SECTIONS

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	17
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



- LEGEND**
- ① EX AGGREGATE SHOULDER [TO BE REMOVED]
 - ② EX BITUMINOUS SHOULDER [TO BE REMOVED]
 - ③ EX SUB-BASE [TO REMAIN IN PLACE]
 - ④ EX BITUMINOUS OVERLAY
 - ⑤ HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
 - ⑥ LEVELING BINDER (MACHINE METHOD), N50 (1 3/4")
 - ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (1 1/2")
 - ⑧ STRIP REFLECTIVE CRACK CONTROL TREATMENT
 - ⑨ AGGREGATE SHOULDERS, TYPE B
 - ⑩ PROCESSING MODIFIED SOIL 12"
 - ⑪ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11"
SEE "FULL-DEPTH CONSTRUCTION DETAIL"
 - ⑫ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑬ HOT-MIX ASPHALT SHOULDERS, 6"
 - ⑭ AGGREGATE BASE COURSE, TYPE A, 4"
 - ⑮ BASE COURSE WIDENING (8") - SEE NOTE 3



STRUCTURAL DESIGN INFORMATION (EAST LAKE SHORE DRIVE)

DESIGN TRAFFIC (2018) :
P.V. = 13,164 S.U. = 274 M.U. = 274
T.F. = 1.53

DESIGN STRAIN = 93 MICROSTRAIN
E_{ac} = 520 KSI

CONSTRUCT BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH), 11"
11" AS FOLLOWS:
7 1/2" HMA BINDER COURSE, IL 25.0, N50
2" HMA BINDER COURSE IL-19.0, N50
1 1/2" HMA SURFACE COURSE, MIX D, N50

NOTES

1. SEE ROADWAY PLAN SHEETS FOR SUPERELEVATION RATES AND TRANSITION LENGTHS.
2. SEE PLAN SHEETS FOR WIDTH VARIATIONS.
3. WIDTH RESTRICTIONS (PER ARTICLE 356.01) SHALL NOT APPLY.

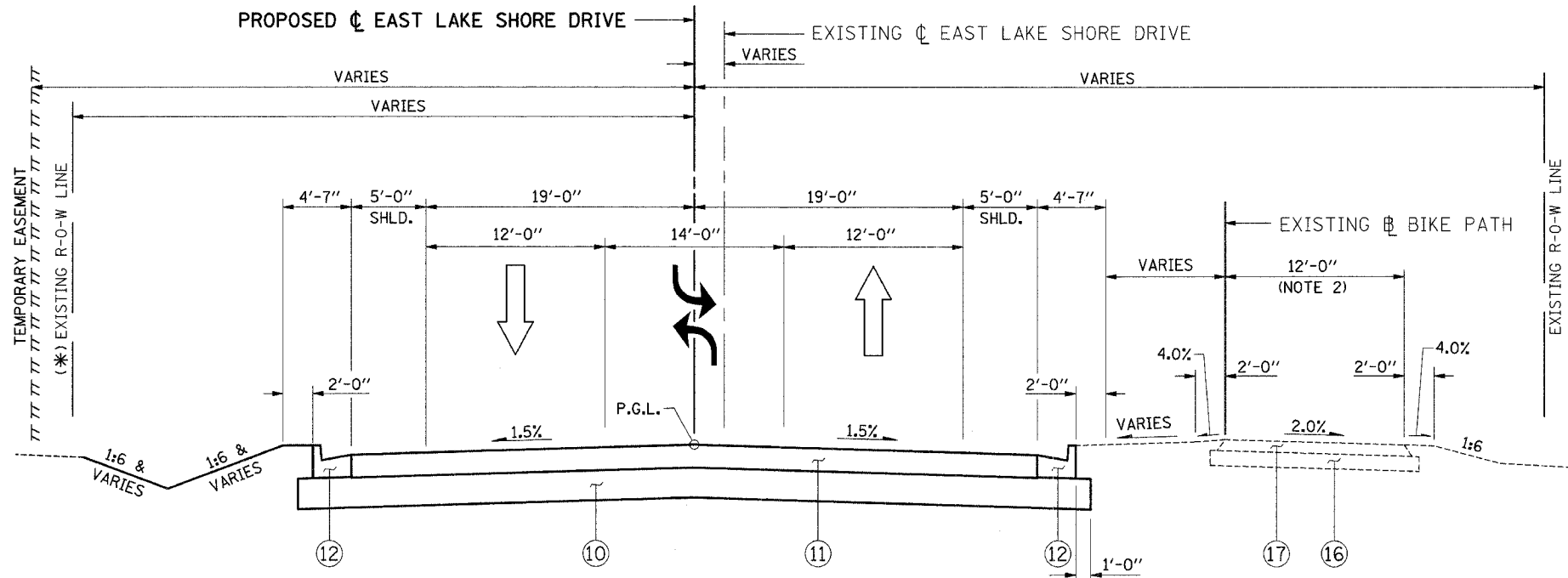
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PROPOSED TYPICAL SECTIONS

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	18
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

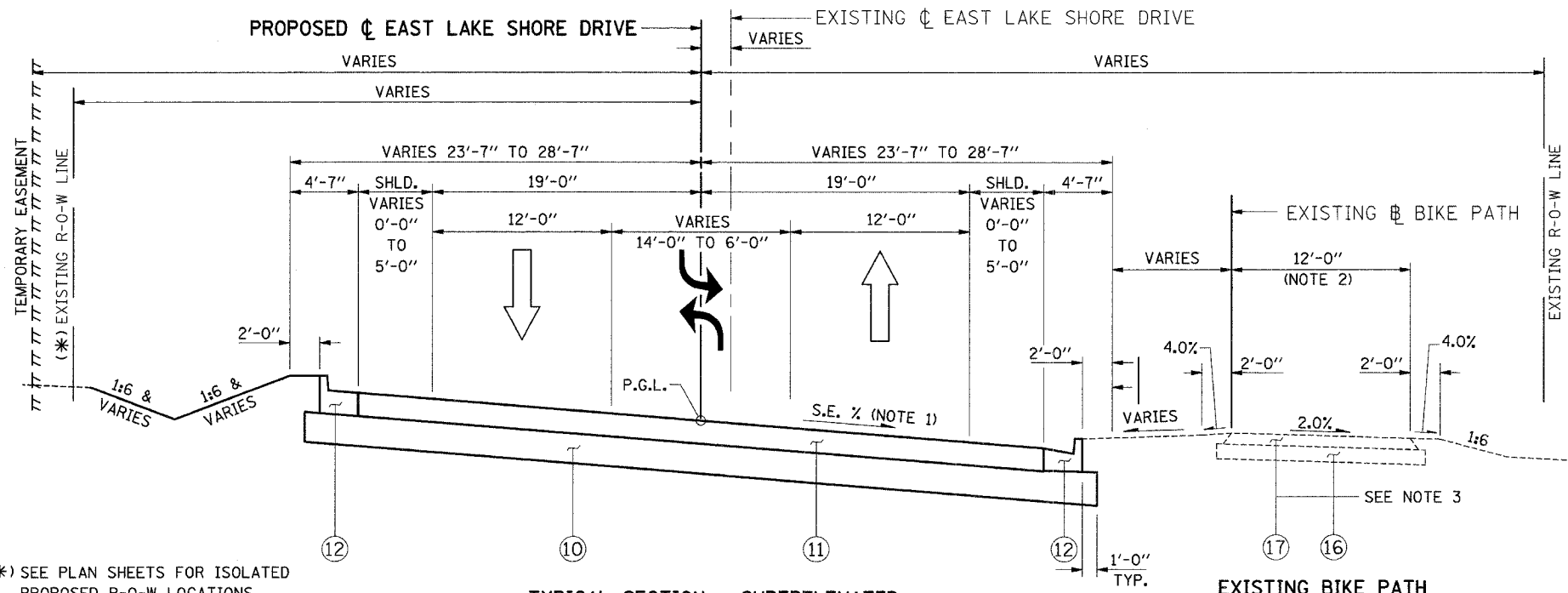


TYPICAL SECTION - NORMAL CROWN

STA 20+01.00 TO STA 24+69.00
STA 33+32.00 TO STA 36+47.00

(*): SEE PLAN SHEETS FOR ISOLATED PROPOSED R-O-W LOCATIONS

- LEGEND**
- ① EX AGGREGATE SHOULDER
 - ② EX BITUMINOUS SHOULDER
 - ③ EX SUB-BASE
 - ④ EX BITUMINOUS OVERLAY
 - ⑤ HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
 - ⑥ LEVELING BINDER (MACHINE METHOD), N50 (1 $\frac{3}{4}$ "
 - ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (1 $\frac{1}{2}$ "
 - ⑧ STRIP REFLECTIVE CRACK CONTROL TREATMENT
 - ⑨ AGGREGATE SHOULDERS, TYPE B
 - ⑩ PROCESSING MODIFIED SOIL 12"
 - ⑪ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11" SEE "FULL-DEPTH CONSTRUCTION DETAIL"
 - ⑫ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑬ HOT-MIX ASPHALT SHOULDERS, 6"
 - ⑭ AGGREGATE BASE COURSE, TYPE A, 4"
 - ⑮ BASE COURSE WIDENING (8")
 - ⑯ EX AGGREGATE BASE COURSE, TYPE A, 6"
 - ⑰ EX BITUMINOUS SURFACE COURSE, 4"



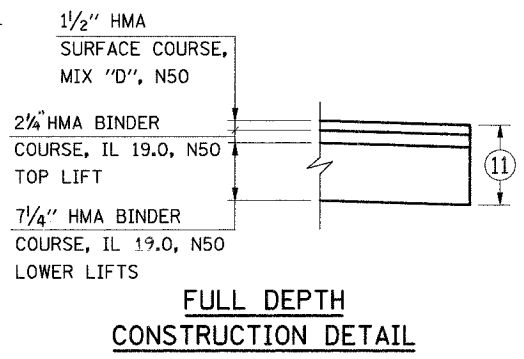
TYPICAL SECTION - SUPERELEVATED

STA 11+33.00 TO STA 20+01.00
STA 24+69.00 TO STA 33+32.00
STA 36+47.00 TO STA 64+67.00

(*): SEE PLAN SHEETS FOR ISOLATED PROPOSED R-O-W LOCATIONS

NOTES

1. SEE ROADWAY PLAN SHEETS FOR SUPERELEVATION RATES AND TRANSITION LENGTHS.
2. BIKE PATH DIMENSIONS ARE AT A RIGHT ANGLE RELATIVE TO BIKE PATH ϕ , NOT THE EAST LAKE DRIVE ϕ .
3. CONSTRUCT NEW BIKE PATH EXTENSION FROM RT STA 55+57.98 TO RT STA 56+45.43, SEE PLANS FOR DETAILS.



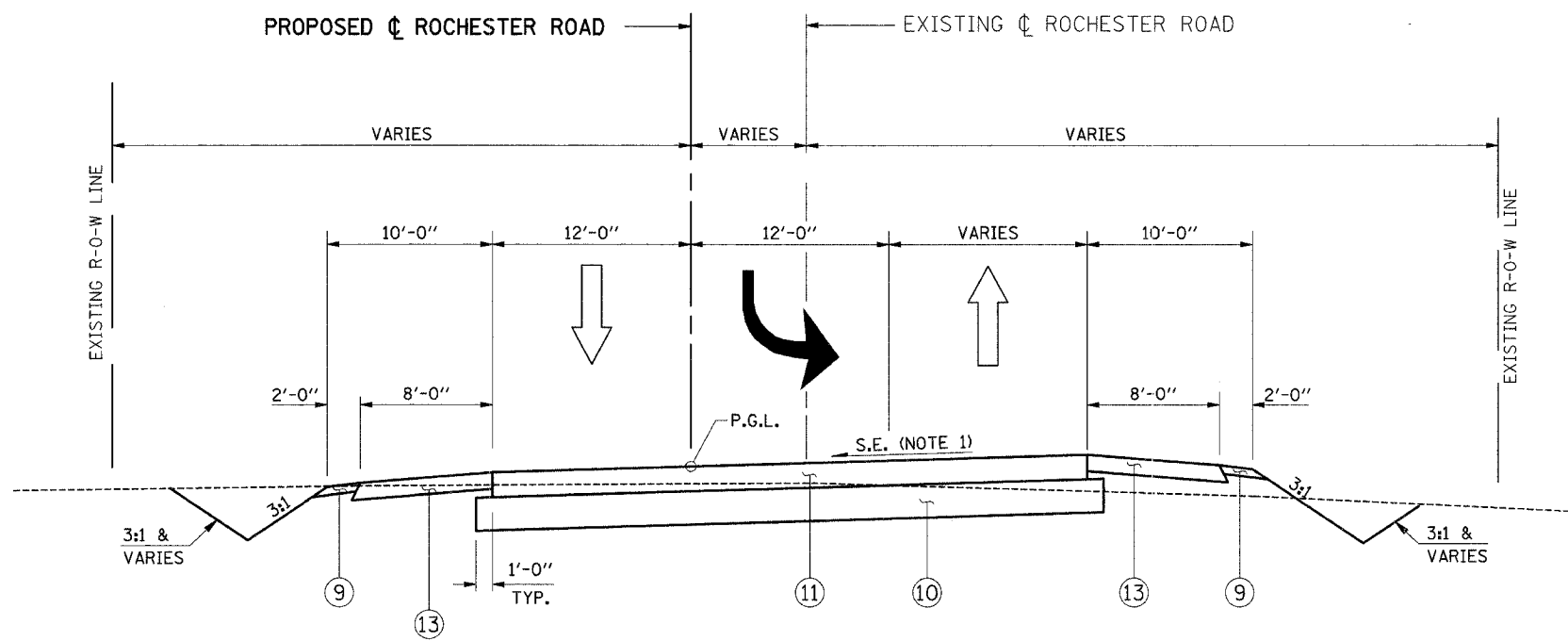
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PROPOSED TYPICAL SECTIONS

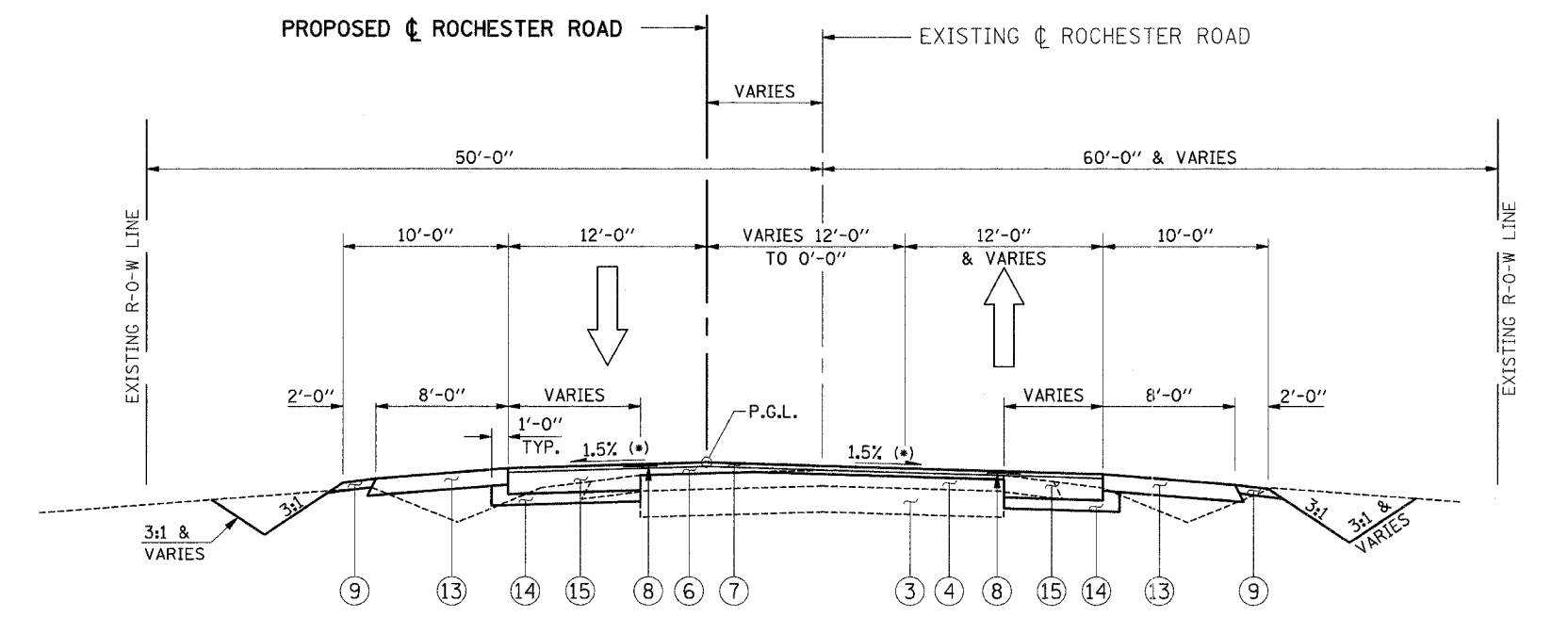
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	19
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



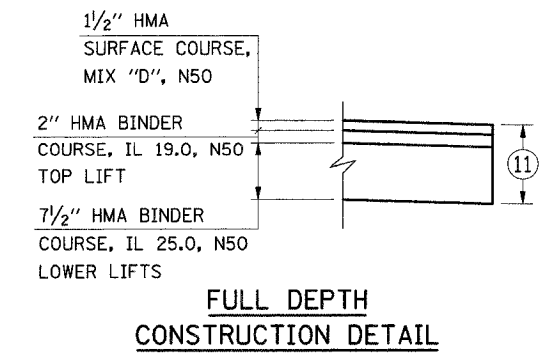
PROPOSED TYPICAL SECTION - SUPERELEVATED
STA. 100+24.00 TO STA. 103+00.00

- LEGEND**
- ① EX AGGREGATE SHOULDER
 - ② EX BITUMINOUS SHOULDER
 - ③ EX SUB-BASE
 - ④ EX BITUMINOUS OVERLAY
 - ⑤ HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
 - ⑥ LEVELING BINDER (MACHINE METHOD), N50 (1 3/4")
 - ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (1 1/2")
 - ⑧ STRIP REFLECTIVE CRACK CONTROL TREATMENT
 - ⑨ AGGREGATE SHOULDERS, TYPE B
 - ⑩ PROCESSING MODIFIED SOIL 12"
 - ⑪ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11" SEE "FULL-DEPTH CONSTRUCTION DETAIL"
 - ⑫ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑬ HOT-MIX ASPHALT SHOULDERS, 6"
 - ⑭ AGGREGATE BASE COURSE, TYPE A, 4"
 - ⑮ BASE COURSE WIDENING (8")



PROPOSED TYPICAL SECTION - SUPERELEVATED TO NORMAL CROWN
STA. 103+00.00 TO STA. 109+95.00 (* FULL S.E. = 5.6%)

NOTE
1. SEE ROADWAY PLAN SHEETS FOR SUPERELEVATION RATES AND TRANSITION LENGTHS

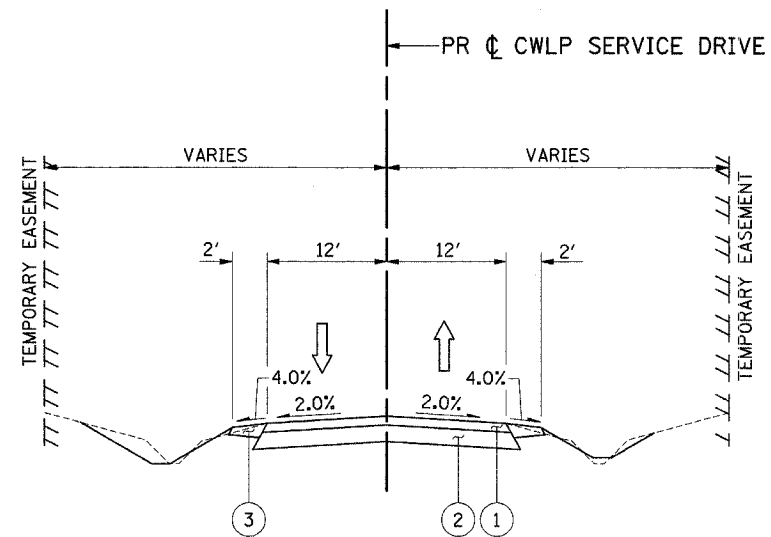


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PROPOSED TYPICAL SECTIONS

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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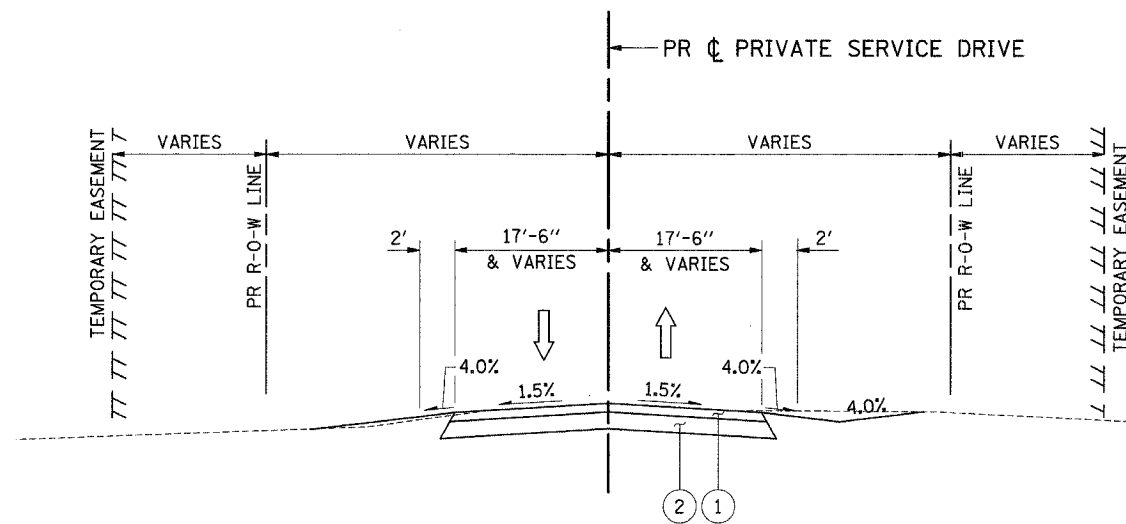
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	20
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PROPOSED TYPICAL SECTION - CWLP SERVICE DRIVE

LEGEND

- ① INCIDENTAL HOT-MIX ASPHALT SURFACING (3")
- ② AGGREGATE BASE COURSE, TYPE A, 8"
- ③ AGGREGATE SHOULDERS, TYPE B



PROPOSED TYPICAL SECTION - PRIVATE SERVICE DRIVE

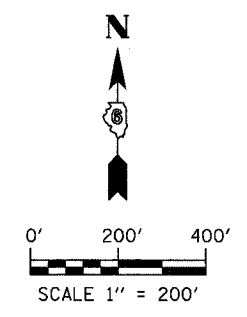
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PROPOSED TYPICAL SECTIONS

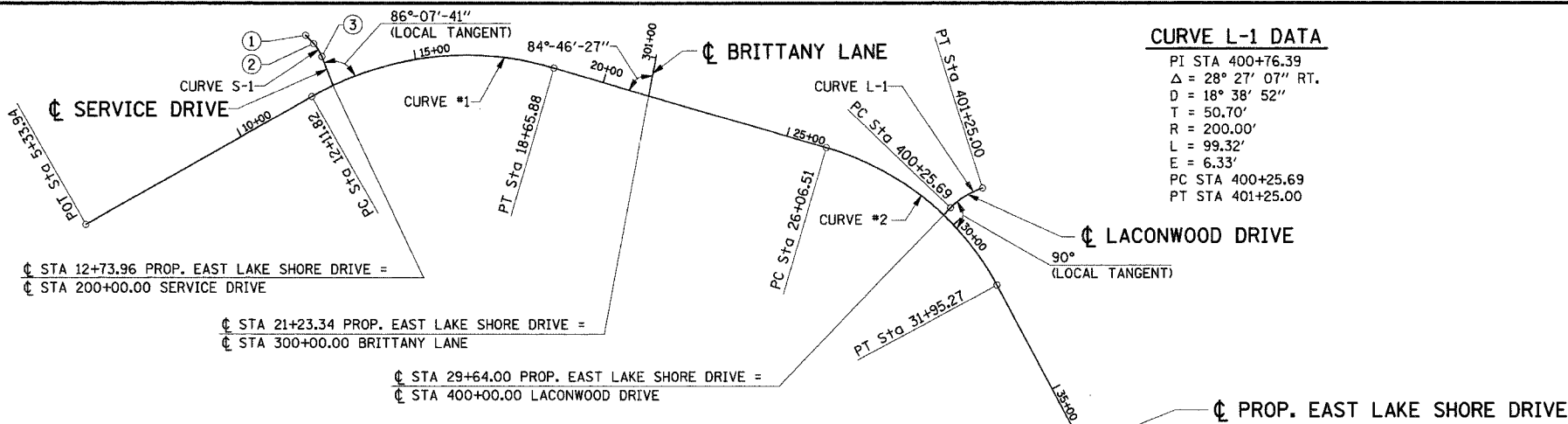
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	21
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



CURVE DATA S-1
 PI STA 200+99.66
 $\Delta = 22^\circ 44' 30''$ (LT)
 $D = 57^\circ 17' 45''$
 $T = 20.11'$
 $R = 100.00'$
 $L = 39.69'$
 $E = 2.00'$
 PC STA 200+79.55
 PT STA 201+19.24

CURVE L-1 DATA
 PI STA 400+76.39
 $\Delta = 28^\circ 27' 07''$ RT.
 $D = 18^\circ 38' 52''$
 $T = 50.70'$
 $R = 200.00'$
 $L = 99.32'$
 $E = 6.33'$
 PC STA 400+25.69
 PT STA 401+25.00



$\text{CL STA } 12+73.96 \text{ PROP. EAST LAKE SHORE DRIVE} =$
 $\text{CL STA } 200+00.00 \text{ SERVICE DRIVE}$
 $\text{CL STA } 21+23.34 \text{ PROP. EAST LAKE SHORE DRIVE} =$
 $\text{CL STA } 300+00.00 \text{ BRITTANY LANE}$
 $\text{CL STA } 29+64.00 \text{ PROP. EAST LAKE SHORE DRIVE} =$
 $\text{CL STA } 400+00.00 \text{ LACONWOOD DRIVE}$

CURVE DATA #1
 PI STA 15+57.44
 $\Delta = 45^\circ 47' 02''$ (RT)
 $D = 7^\circ 00' 00''$
 $T = 345.62'$
 $R = 818.51'$
 $L = 654.05'$
 $E = 69.98'$
 PC STA 12+11.82
 PT STA 18+65.88

CURVE DATA #2
 PI STA 29+17.50
 $\Delta = 45^\circ 37' 45''$ (RT)
 $D = 7^\circ 45' 00''$
 $T = 310.99'$
 $R = 739.30'$
 $L = 588.76'$
 $E = 62.75'$
 PC STA 26+06.51
 PT STA 31+95.27

CURVE DATA #3
 PI STA 45+66.81
 $\Delta = 58^\circ 10' 55''$ (RT)
 $D = 4^\circ 00' 00''$
 $T = 796.96'$
 $R = 1,432.39'$
 $L = 1,454.55'$
 $E = 206.78'$
 PC STA 37+69.85
 PT STA 52+24.40

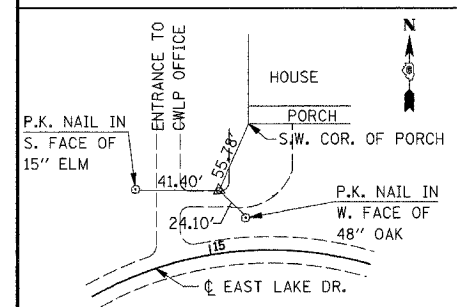
- ① POT STA 201+50.00
- ② PT Sta 201+19.24
- ③ PC Sta 200+79.55
- ④ POT Sta 97+32.67
- ⑤ PC Sta 97+71.91
- ⑥ PT Sta 98+58.97

CURVE DATA #6
 PI STA 97+85.31
 $\Delta = 25^\circ 49' 13''$ (RT)
 $D = 28^\circ 38' 52''$
 $T = 45.84'$
 $R = 200.00'$
 $L = 90.13'$
 $E = 5.19'$
 PC STA 97+39.47
 PT STA 98+29.60

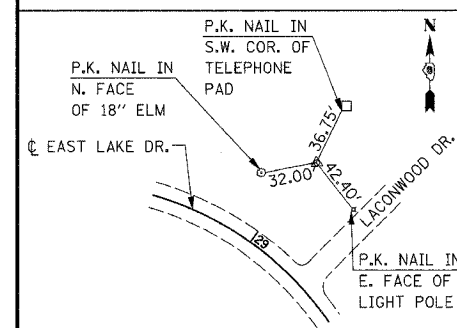
CURVE DATA #5
 PI STA 103+07.24
 $\Delta = 24^\circ 00' 37''$ (LT)
 $D = 6^\circ 00' 00''$
 $T = 203.07'$
 $R = 954.93'$
 $L = 400.17'$
 $E = 21.35'$
 PC STA 101+04.18
 PT STA 105+04.35

CURVE DATA #4
 PI STA 59+14.02
 $\Delta = 31^\circ 10' 40''$ (LT)
 $D = 3^\circ 30' 00''$
 $T = 456.72'$
 $R = 1,637.02'$
 $L = 890.79'$
 $E = 62.52'$
 PC STA 54+57.30
 PT STA 63+48.09

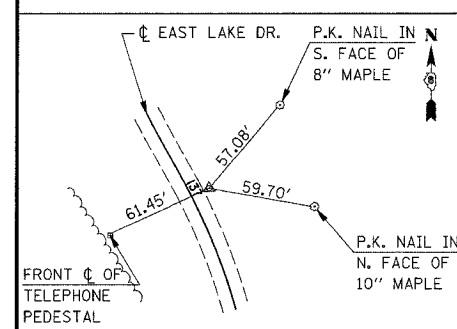
$\text{CL STA } 56+62.00 \text{ PR EAST LAKE SHORE DRIVE} =$
 $\text{CL STA } 99+88.00 \text{ PR PRIVATE SERVICE DRIVE}$



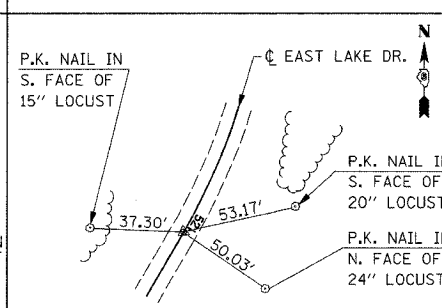
PI STA 15+57.44
 SET P.K. NAIL
 N = 50226.1591 E = 50449.4760



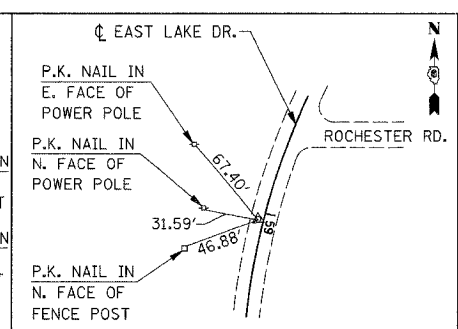
PI STA 29+17.50
 SET 5/8" REBAR
 N = 49835.9297 E = 51791.1224



PC STA 37+69.85
 SET 5/8" REBAR
 N = 49055.1308 E = 52208.9627



PT STA 52+24.40
 SET P.K. NAIL
 N = 47662.4654 E = 52186.1706



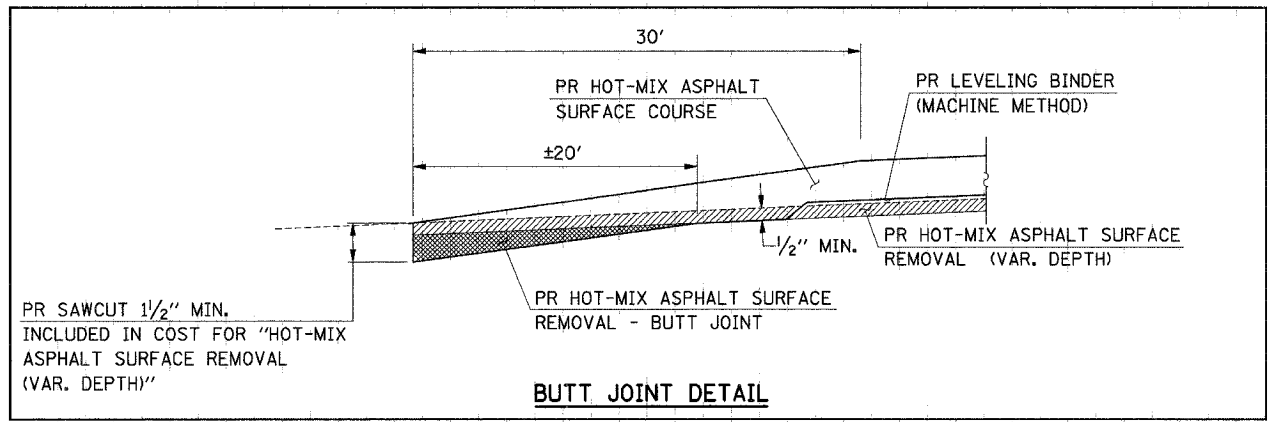
PI STA 59+14.02
 SET P.K. NAIL
 N = 47065.4076 E = 51841.0614

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 IESPRINGFIELD@IE-CONSULTANTS.COM
 WWW.IE-CONSULTANTS.COM

ALIGNMENTS & TIES

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

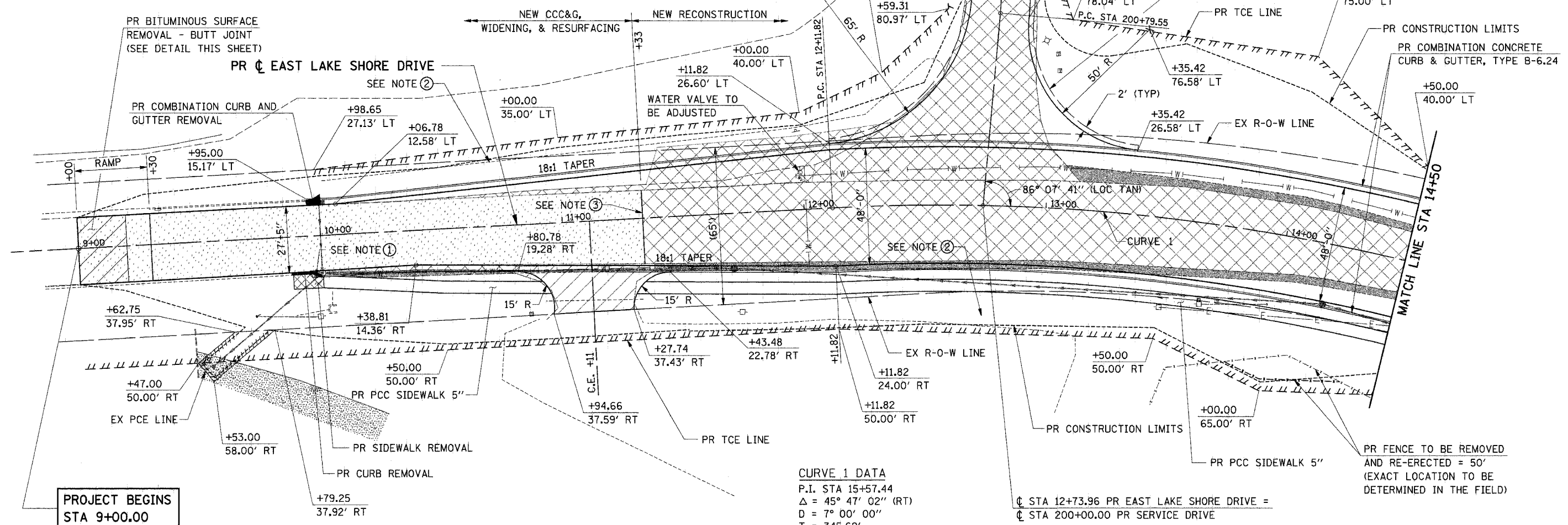
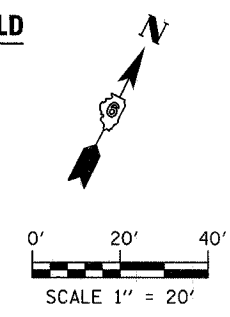
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	22
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



CITY OF SPRINGFIELD

CURVE DATA S-1

P.I. STA 200+99.66
 $\Delta = 22^\circ 44' 30''$ (LT)
 $D = 57^\circ 17' 45''$
 $T = 20.11'$
 $R = 100.00'$
 $L = 39.69'$
 $E = 2.00'$
P.C. STA 200+79.55
P.T. STA 201+19.24



PROJECT BEGINS STA 9+00.00

CURVE 1 DATA
P.I. STA 15+57.44
 $\Delta = 45^\circ 47' 02''$ (RT)
 $D = 7^\circ 00' 00''$
 $T = 345.62'$
 $R = 818.51'$
 $L = 654.05'$
 $E = 69.98'$
 $e = 0.040''$
 $T.R = 46'$
S.E. RUN = 134'
P.C. STA 12+11.82
P.T. STA 18+65.88

CITY OF SPRINGFIELD

NOTES

- PR REMOVE AND RE-ERECT STEEL PLATE BEAM GUARDRAIL, TYPE A = 25.0'
- USE CAUTION WHEN GRADING AROUND EXISTING WOOD RAILING.
- PR FULL-DEPTH SAW CUT - INCLUDED IN THE COST FOR PR PAVEMENT REMOVAL

LEGEND

- PR TREE REMOVAL
- PR HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)
- PR PAVEMENT REMOVAL
- PR DRIVEWAY PAVEMENT REMOVAL
- PR PAVED SHOULDER REMOVAL

LAKE SPRINGFIELD

B.M. #1 STA 9+95, 15' LT
CHISELED "□" IN CONC. CURB
E. END OF DAM, N. EDGE OF ROAD
ELEV. 576.60

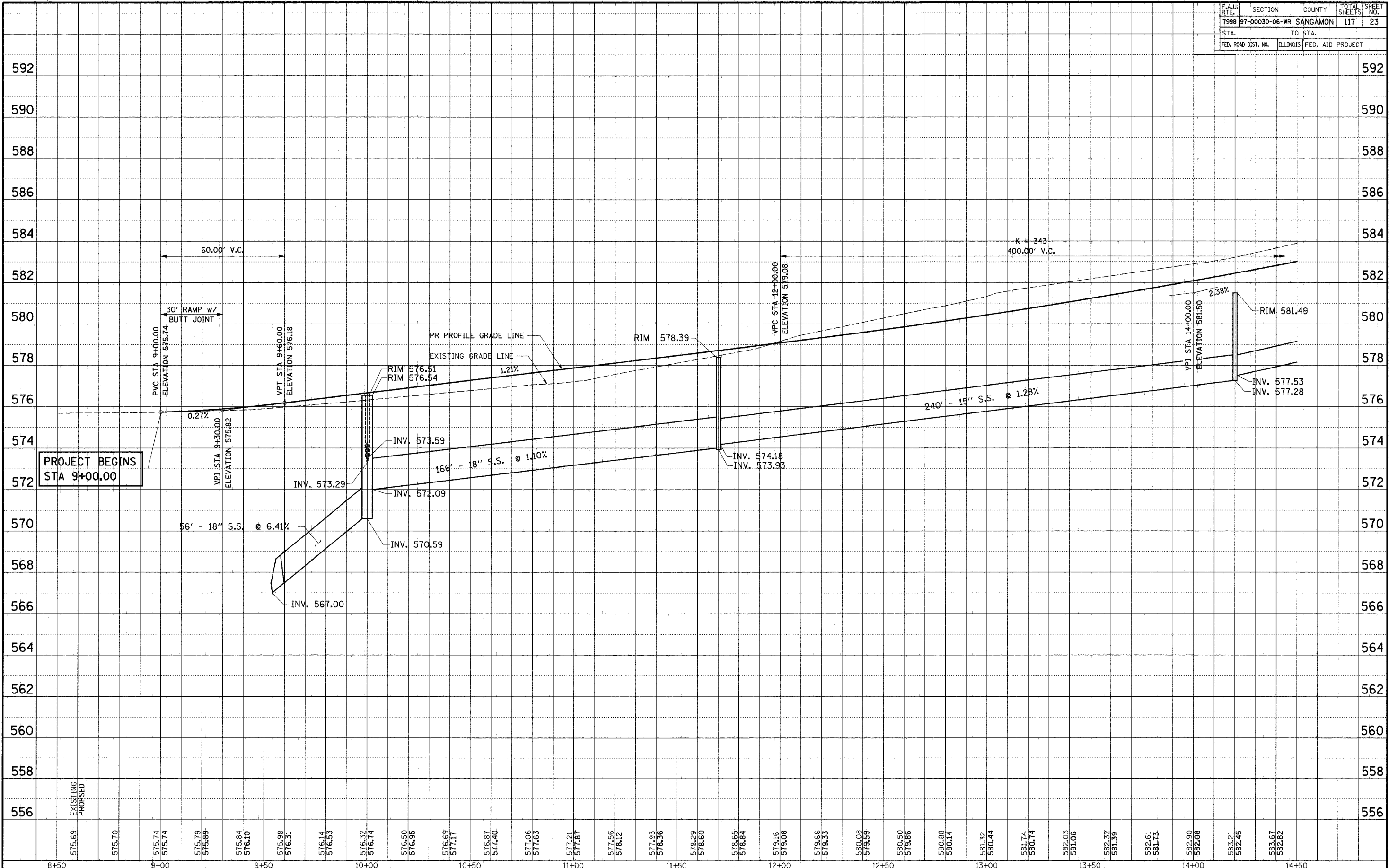
ie CONSULTANTS
IE CONSULTANTS, INC.
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ROADWAY PLAN STA 9+00 TO STA 14+50			
DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08

F.A.M. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PLAN SURVEYED BY DATE
 PLOTTED BY DATE
 CHECKED BY DATE
 RT. OF WAY CHECKED BY DATE
 CAD FILE NAME

PROFILE SURVEYED BY DATE
 PLOTTED BY DATE
 CHECKED BY DATE
 STRUCTURE NOTATIONS CHFD



PROFILE - STA. 9+00 TO STA. 14+50

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	24
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CITY OF SPRINGFIELD

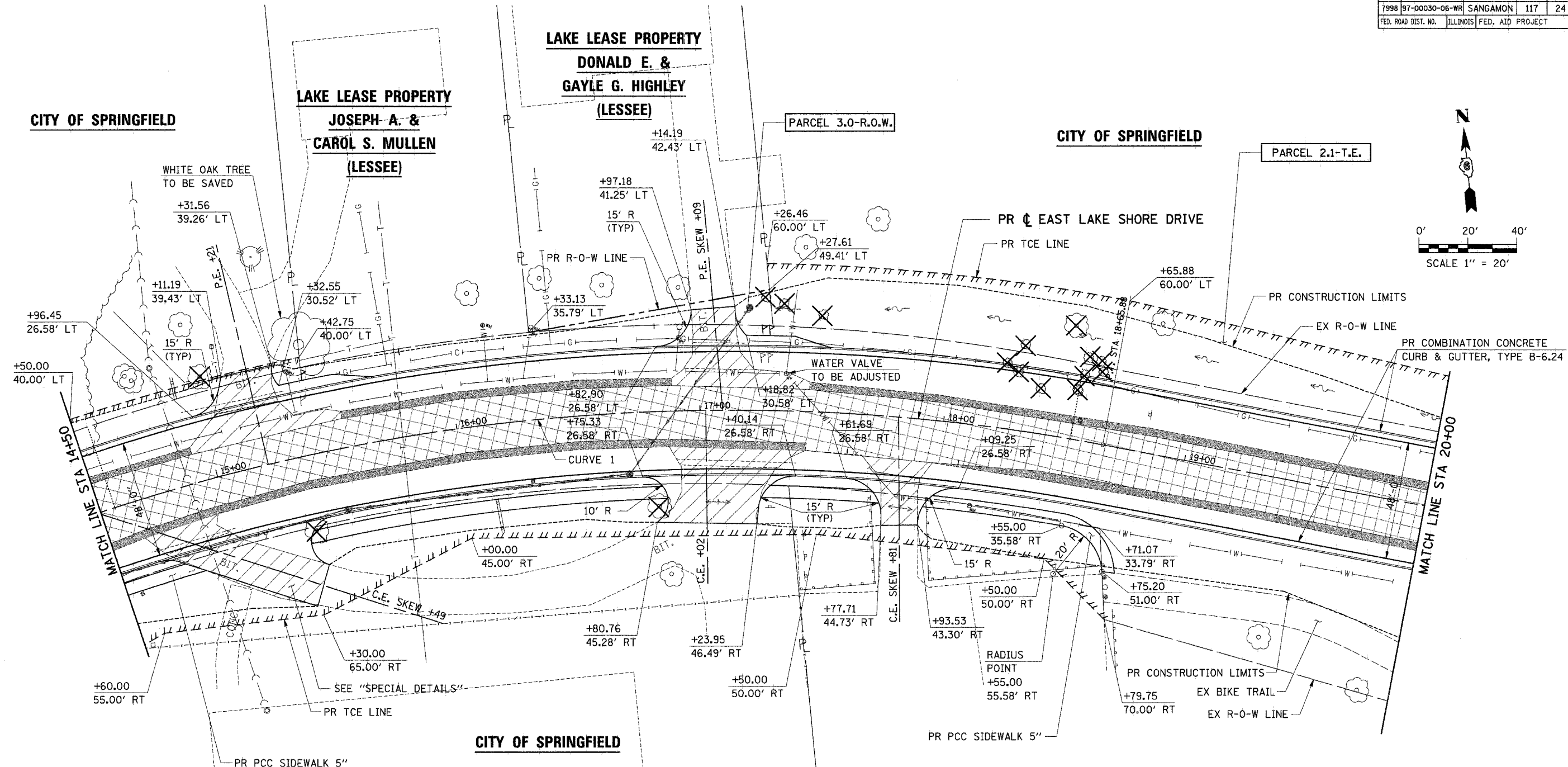
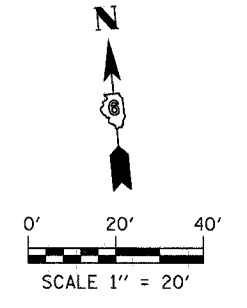
LAKE LEASE PROPERTY
JOSEPH A. & CAROL S. MULLEN
 (LESSEE)

LAKE LEASE PROPERTY
DONALD E. & GAYLE G. HIGHLEY
 (LESSEE)

CITY OF SPRINGFIELD

PARCEL 2.1-T.E.

PARCEL 3.0-R.O.W.



CITY OF SPRINGFIELD

CITY OF SPRINGFIELD

CURVE 1 DATA
 P.I. STA 15+57.44
 $\Delta = 45^\circ 47' 02''$ (RT)
 $D = 7^\circ 00' 00''$
 $T = 345.62'$
 $R = 818.51'$
 $L = 654.05'$
 $E = 69.98'$
 $e = 0.040'/'$
 $T.R = 46'$
 $S.E. RUN = 134'$
 P.C. STA 12+11.82
 P.T. STA 18+65.88

B.M. *2 STA 16+92, 34' LT
 CHISELED "+" ON BOLT ON FIRE
 HYDRANT N.E. SIDE OF ROAD
 ELEV. 590.75

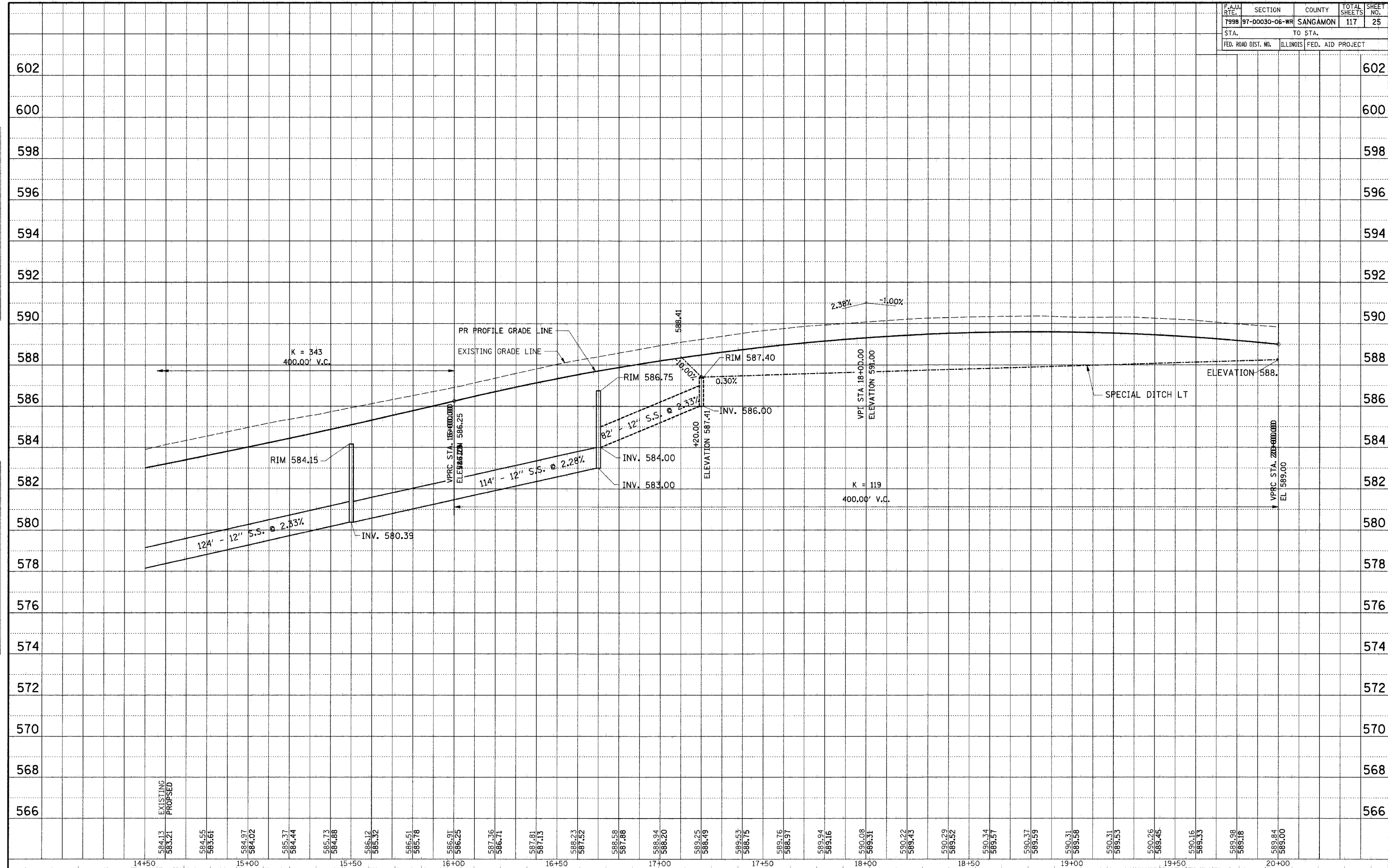
LEGEND

- PR TREE REMOVAL
- PR HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)
- PR PAVEMENT REMOVAL
- PR DRIVEWAY PAVEMENT REMOVAL
- PR PAVED SHOULDER REMOVAL

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ROADWAY PLAN STA 14+50 TO STA 20+00			
DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08

P.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	25
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



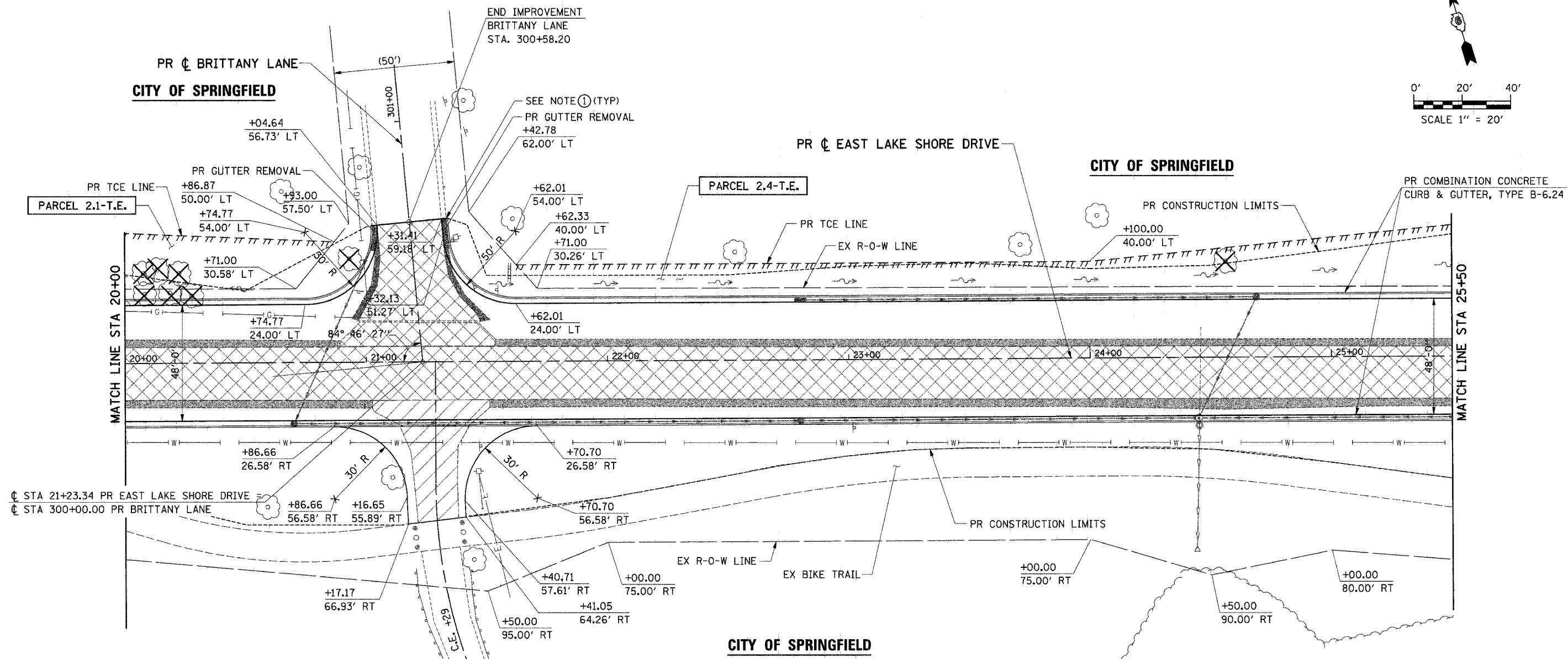
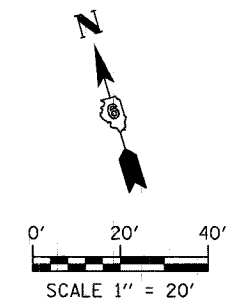
DATE: _____ BY: _____
 DATE: _____ BY: _____

PLAN: SURVEYED _____ CHECKED _____
 NOTE BOOK NO. _____
 DATE: _____ BY: _____

PROFILE: SURVEYED _____ CHECKED _____
 NOTE BOOK NO. _____
 DATE: _____ BY: _____






PROFILE STA. 14+50 TO STA. 20+00

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	26
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



CITY OF SPRINGFIELD

LEGEND

-  PR TREE REMOVAL
-  PR HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)
-  PR PAVEMENT REMOVAL
-  PR DRIVEWAY PAVEMENT REMOVAL
-  PR PAVED SHOULDER REMOVAL

NOTES

- ① TRANSITION FROM PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 TO EXISTING V-GUTTER OVER 10'. TRANSITION SHALL BE PAID FOR AS COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

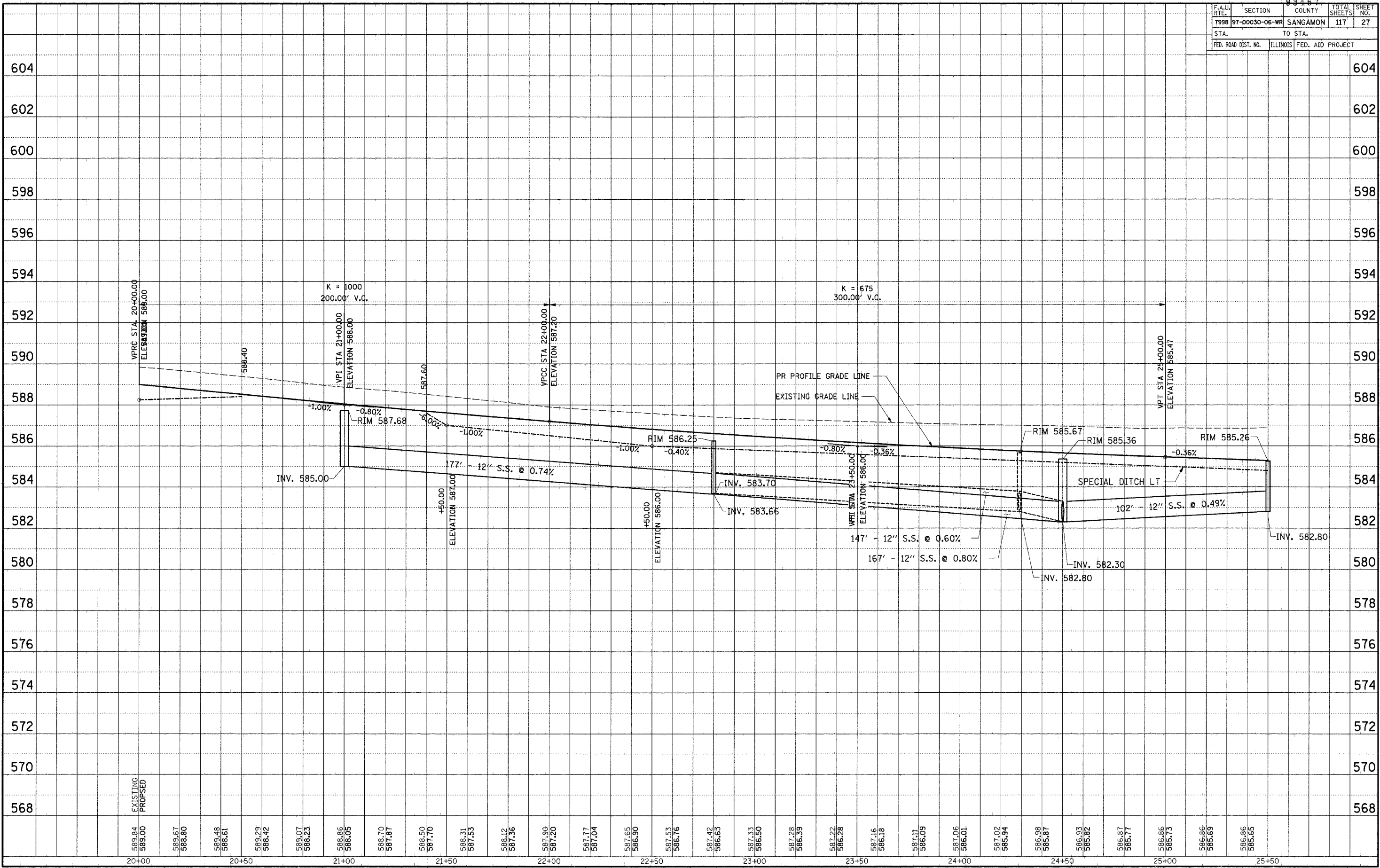
B.M. *3 STA 24+45, 28' RT
CHISELED "□" ON TOP OF RCCP FLARED
END SECTION, S.W. SIDE OF ROAD
ELEV. 584.71

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ROADWAY PLAN STA 20+00 TO STA 25+50			
DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08

SECTION		COUNTY		TOTAL SHEETS	SHEET NO.
93467		SANGAMON		117	27
STA.		TO STA.			
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT	

DATE	BY	DATE	BY
DATE	BY	DATE	BY



EXISTING
PROPOSED

589.84	589.67	589.48	589.29	589.07	588.86	588.70	588.50	588.31	588.12	587.90	587.77	587.65	587.53	587.42	587.33	587.28	587.22	587.16	587.11	587.06	587.02	586.98	586.93	586.87	586.86	586.86	586.86			
589.00	588.80	588.61	588.42	588.23	588.05	587.87	587.70	587.53	587.36	587.20	587.04	586.90	586.76	586.63	586.50	586.39	586.28	586.18	586.09	586.01	585.94	585.87	585.82	585.77	585.73	585.69	585.65			
20+00	20+10	20+20	20+30	20+40	20+50	21+00	21+10	21+20	21+30	21+40	21+50	22+00	22+10	22+20	22+30	22+40	22+50	23+00	23+10	23+20	23+30	23+40	23+50	24+00	24+10	24+20	24+30	24+40	24+50	25+00

PROFILE STA. 20+00 TO STA. 25+50

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	28
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CURVE 2 DATA
 P.I. STA 29+17.50
 $\Delta = 45^\circ 37' 45''$ (RT)
 $D = 7^\circ 45' 00''$
 $T = 310.99'$
 $R = 739.30'$
 $L = 588.76'$
 $E = 62.75'$
 $e = 0.040''$
 $T.R = 47'$
 $S.E. RUN = 135'$
 P.C. STA 26+06.51
 P.T. STA 31+95.27

CURVE L-1 DATA
 P.I. STA. 400+76.39
 $\Delta = 28^\circ 27' 07''$ RT
 $D = 18^\circ 38' 52''$
 $T = 50.70'$
 $R = 200.00'$
 $L = 99.32'$
 $E = 6.33'$
 $T.R = 47'$
 $S.E. RUN = 135'$
 P.C. STA. 400+25.69
 P.T. STA. 401+25.00

PARCEL 2.4-T.E.

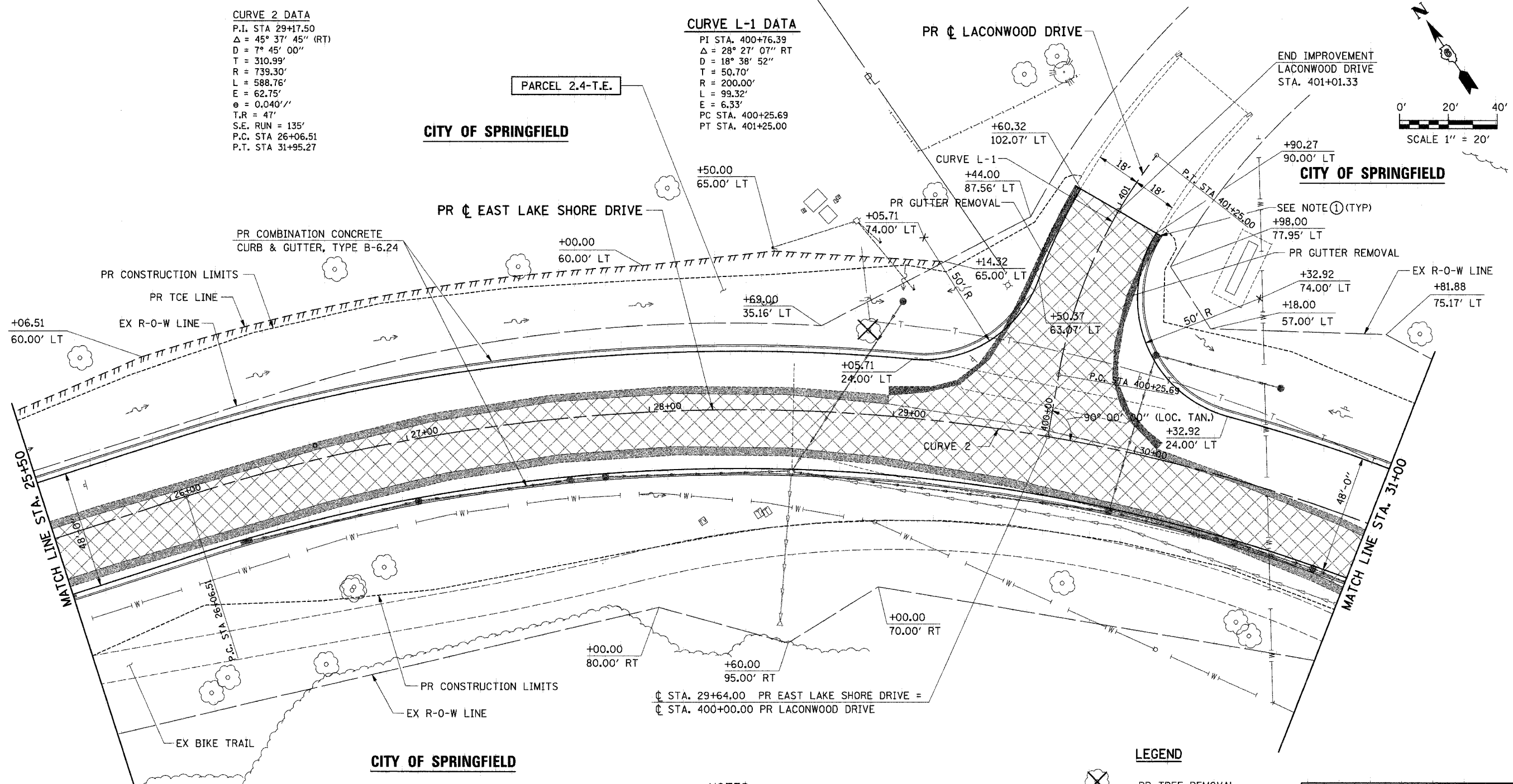
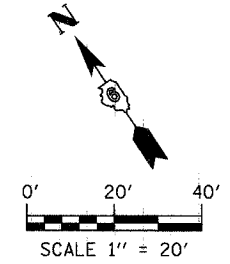
CITY OF SPRINGFIELD

PR ϕ EAST LAKE SHORE DRIVE

PR ϕ LACONWOOD DRIVE

END IMPROVEMENT
LAACONWOOD DRIVE
STA. 401+01.33

CITY OF SPRINGFIELD



PR COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
 PR CONSTRUCTION LIMITS
 PR TCE LINE
 EX R-O-W LINE
 +06.51
 60.00' LT

MATCH LINE STA. 25+50

MATCH LINE STA. 31+00

PR CONSTRUCTION LIMITS
 EX R-O-W LINE
 EX BIKE TRAIL

ϕ STA. 29+64.00 PR EAST LAKE SHORE DRIVE =
 ϕ STA. 400+00.00 PR LAACONWOOD DRIVE

CITY OF SPRINGFIELD

B.M. #4 STA. 28+59, 26' RT
 CHISELED "□" ON TOP OF RCCP FLARED
 END SECTION, S.W. SIDE OF ROAD
 ELEV. 583.89

NOTES

- ① TRANSITION FROM PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 TO EXISTING V-GUTTER OVER 10', TRANSITION SHALL BE PAID FOR AS COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

LEGEND

- PR TREE REMOVAL
- PR HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)
- PR PAVEMENT REMOVAL
- PR DRIVEWAY PAVEMENT REMOVAL
- PR PAVED SHOULDER REMOVAL

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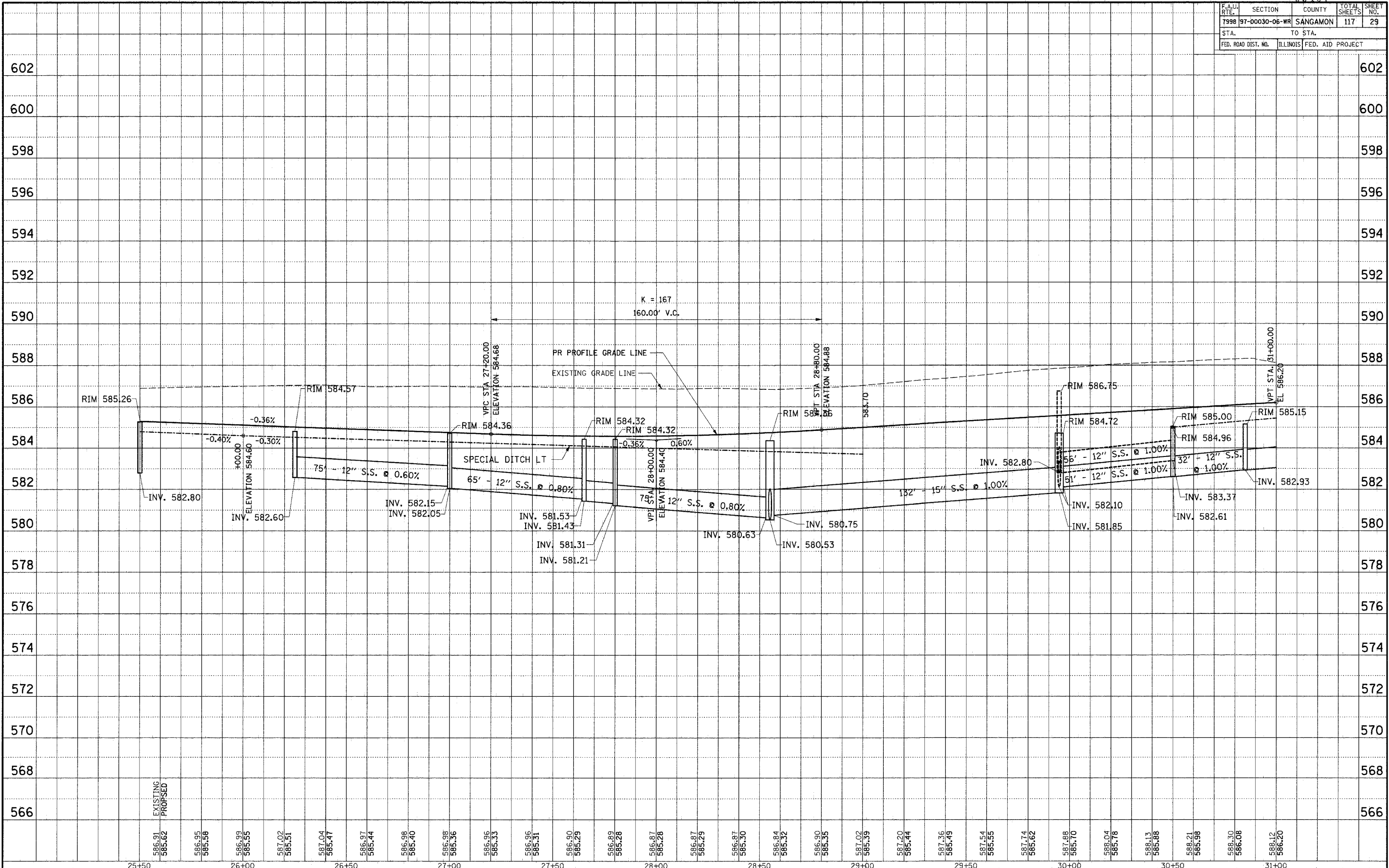
**ROADWAY PLAN
STA. 25+50 TO STA. 31+00**

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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93467				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	29
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

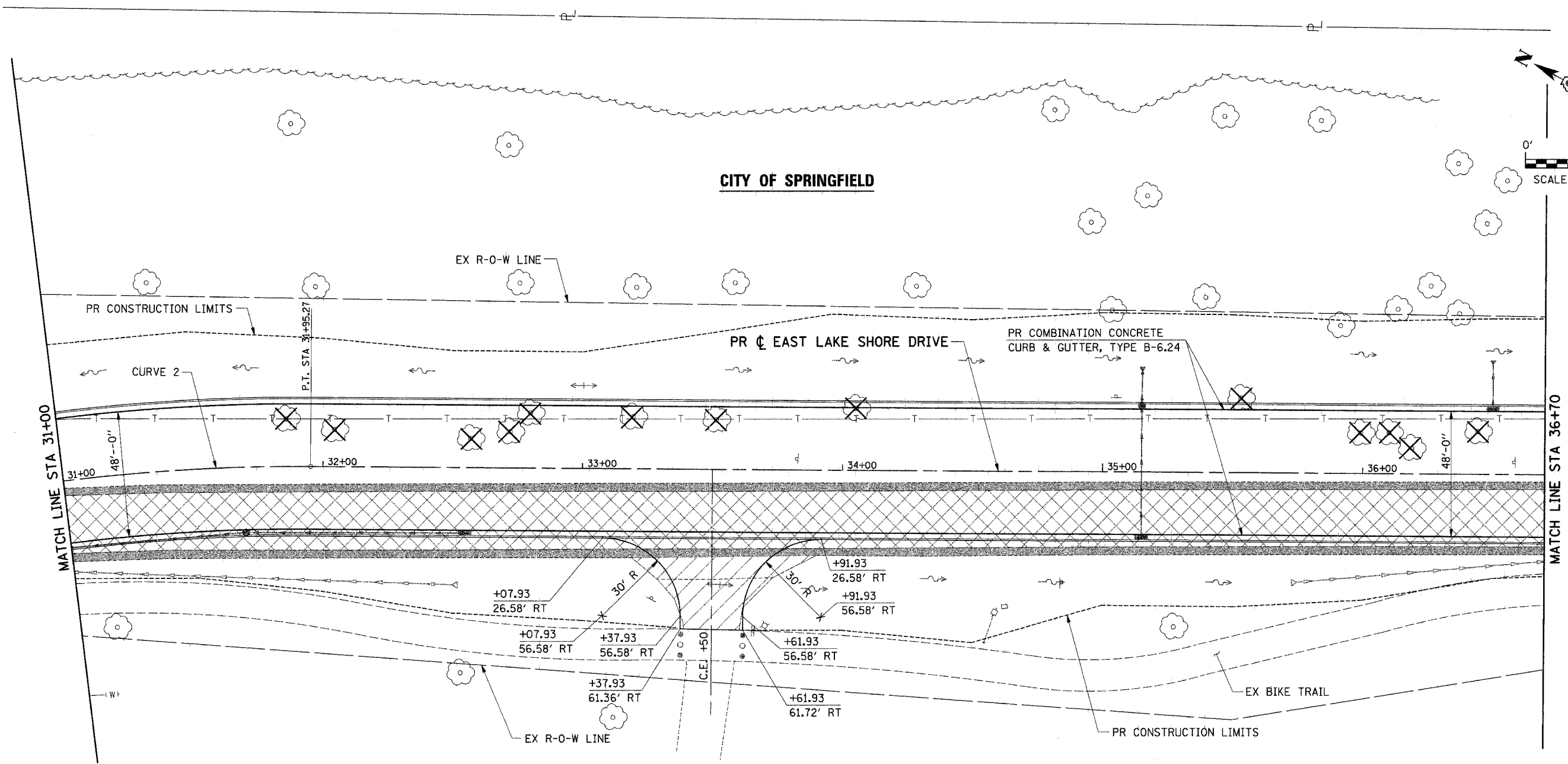
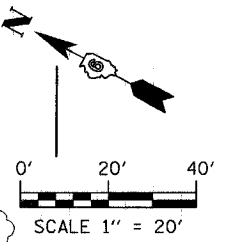
PLAN
 SURVEYED BY
 PLOTTED BY
 CHECKED BY
 DATE
 NO. OF WAYS CHECKED
 DATE FILE NAME

PROFILE
 SURVEYED BY
 PLOTTED BY
 CHECKED BY
 DATE
 NO. OF STRUCTURES NOTED
 DATE THIS CHANGED



PROFILE STA. 25+50 TO STA. 31+00

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	30
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	








MATCH LINE STA 31+00

MATCH LINE STA 36+70

CURVE 2 DATA
 P.I. STA 29+17.50
 $\Delta = 45^\circ 37' 45''$ (RT)
 $D = 7^\circ 45' 00''$
 $T = 310.99'$
 $R = 739.30'$
 $L = 588.76'$
 $E = 62.75'$
 $e = 0.040''$
 $T.R = 47'$
 $S.E. RUN = 135'$
 P.C. STA 26+06.51
 P.T. STA 31+95.27

CITY OF SPRINGFIELD

LEGEND

-  PR TREE REMOVAL
-  PR HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)
-  PR PAVEMENT REMOVAL
-  PR DRIVEWAY PAVEMENT REMOVAL
-  PR PAVED SHOULDER REMOVAL

ie
 consultants

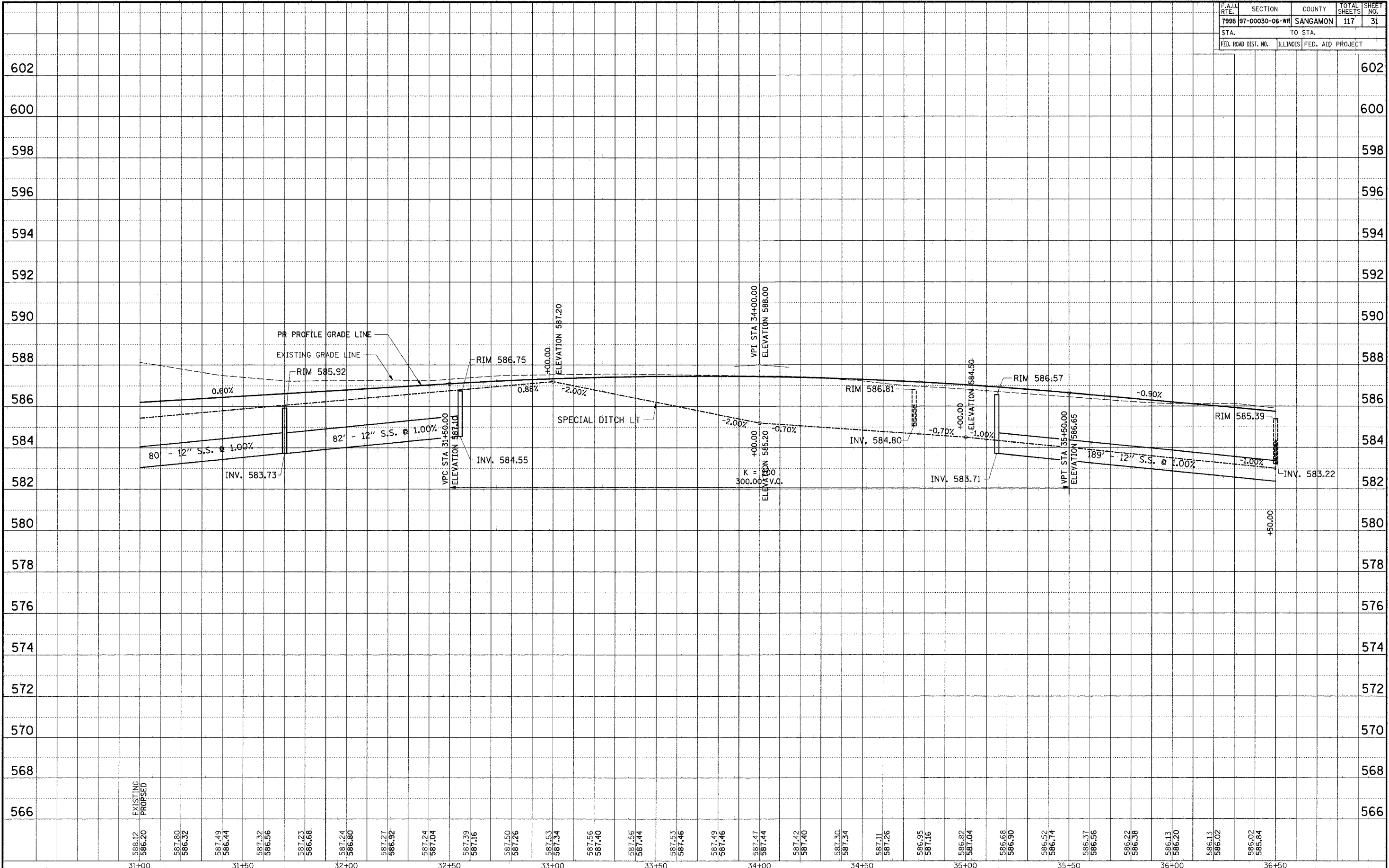
IE CONSULTANTS, INC.
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ROADWAY PLAN
STA 31+00 TO STA 36+70

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
---------------------	------------------	--------------------	-----------------

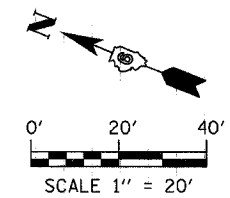
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

DATE: _____ BY: _____
 SURVEYED: _____
 PROFILE CHECKED: _____
 PLAN CHECKED: _____
 DATE: _____ BY: _____
 SURVEYED: _____
 PROFILE CHECKED: _____
 PLAN CHECKED: _____

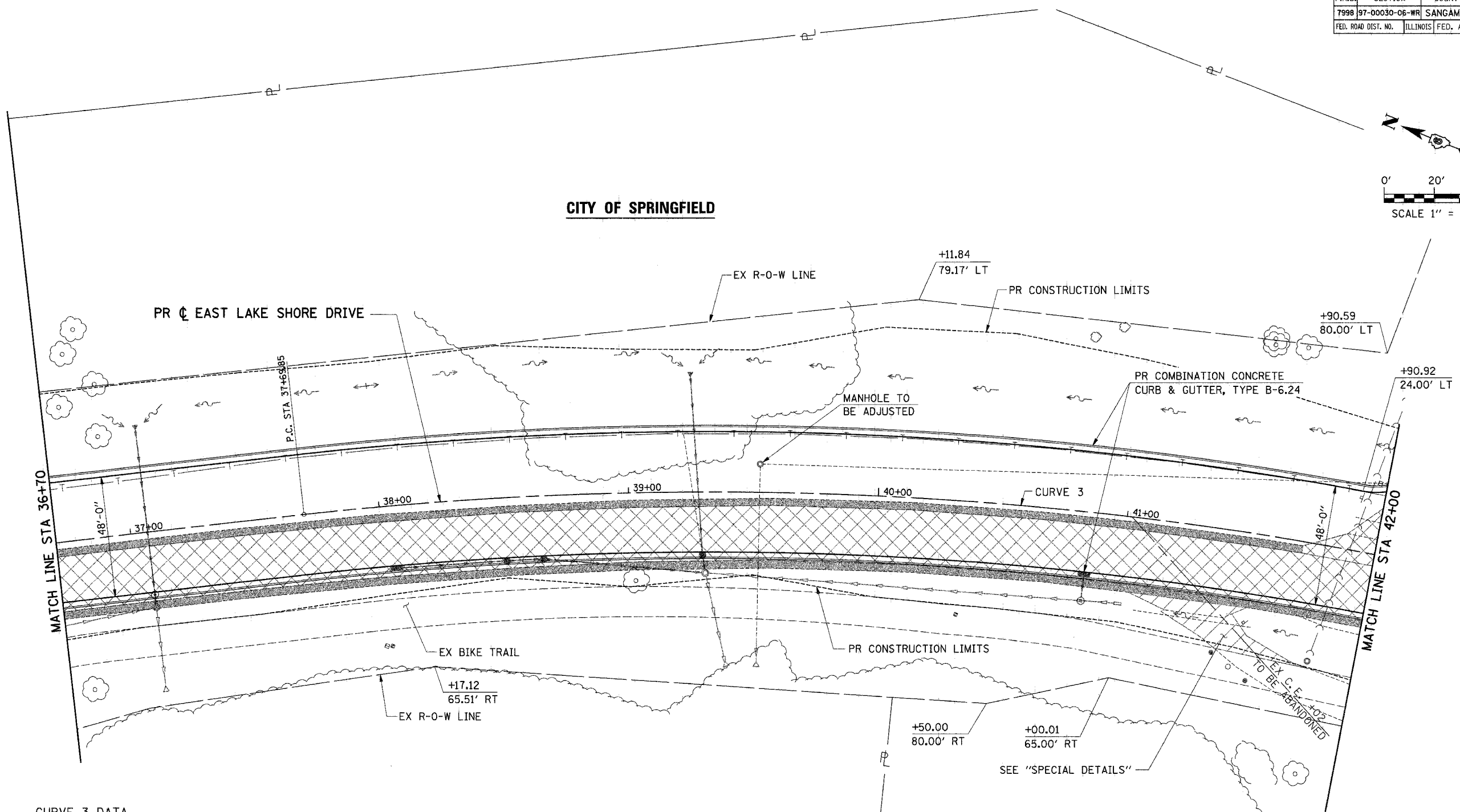


PROFILE STA. 31+00 TO STA. 36+50

F.A.D.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	32
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	








CITY OF SPRINGFIELD



CURVE 3 DATA
 P.I. STA 45+66.81
 $\Delta = 58^\circ 10' 55''$ (RT)
 $D = 4^\circ 00' 00''$
 $T = 796.96'$
 $R = 1,432.39'$
 $L = 1,454.55'$
 $E = 206.78'$
 $e = 0.033''$
 $T.R = 49'$
 $S.E. RUN = 111'$
 P.C. STA 37+69.85
 P.T. STA 52+24.40

6(f) PARK LAND

- LEGEND**
-  PR TREE REMOVAL
 -  PR HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)
 -  PR PAVEMENT REMOVAL
 -  PR DRIVEWAY PAVEMENT REMOVAL
 -  PR PAVED SHOULDER REMOVAL

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 FAX (217) 529-4543
 IESPRINGFIELD@IE-CONSULTANTS.COM
 WWW.IE-CONSULTANTS.COM

ROADWAY PLAN STA 36+70 TO STA 42+00			
DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08

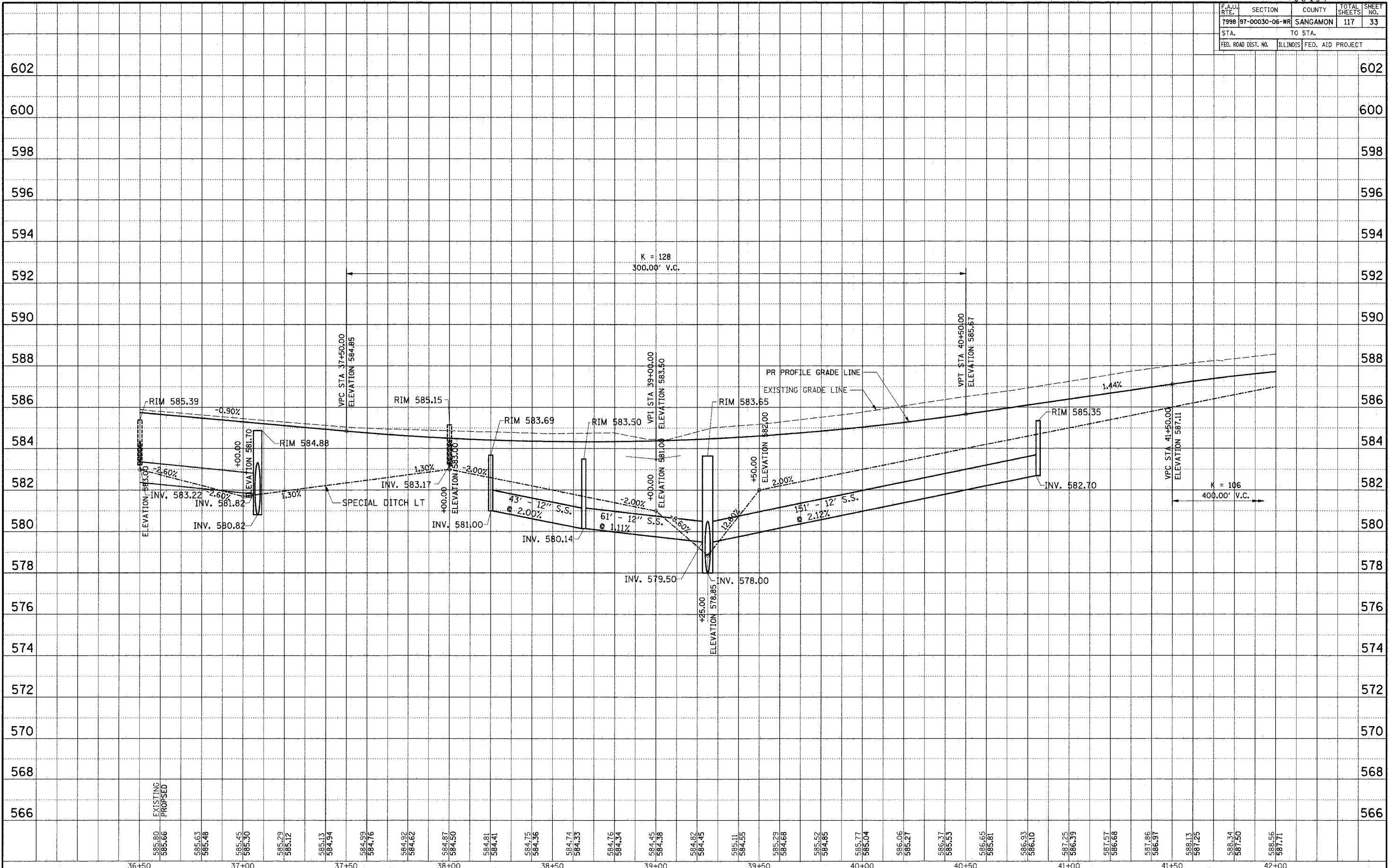
93467			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
7998	97-00030-06-WR	SANGAMON	117
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

DATE: _____ BY: _____

DATE: _____ BY: _____

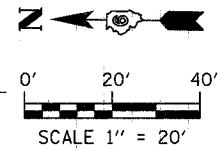
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 NOTE BOOK NO. _____ RT. OF WAY CHECKED _____
 NO. _____ PAID FILE NAME _____

PROFILE SURVEYED _____ PLOTTED _____
 NOTE BOOK NO. _____ BAL. NOTED _____
 NO. _____ STRUCTURE NOTATIONS CH'NG _____

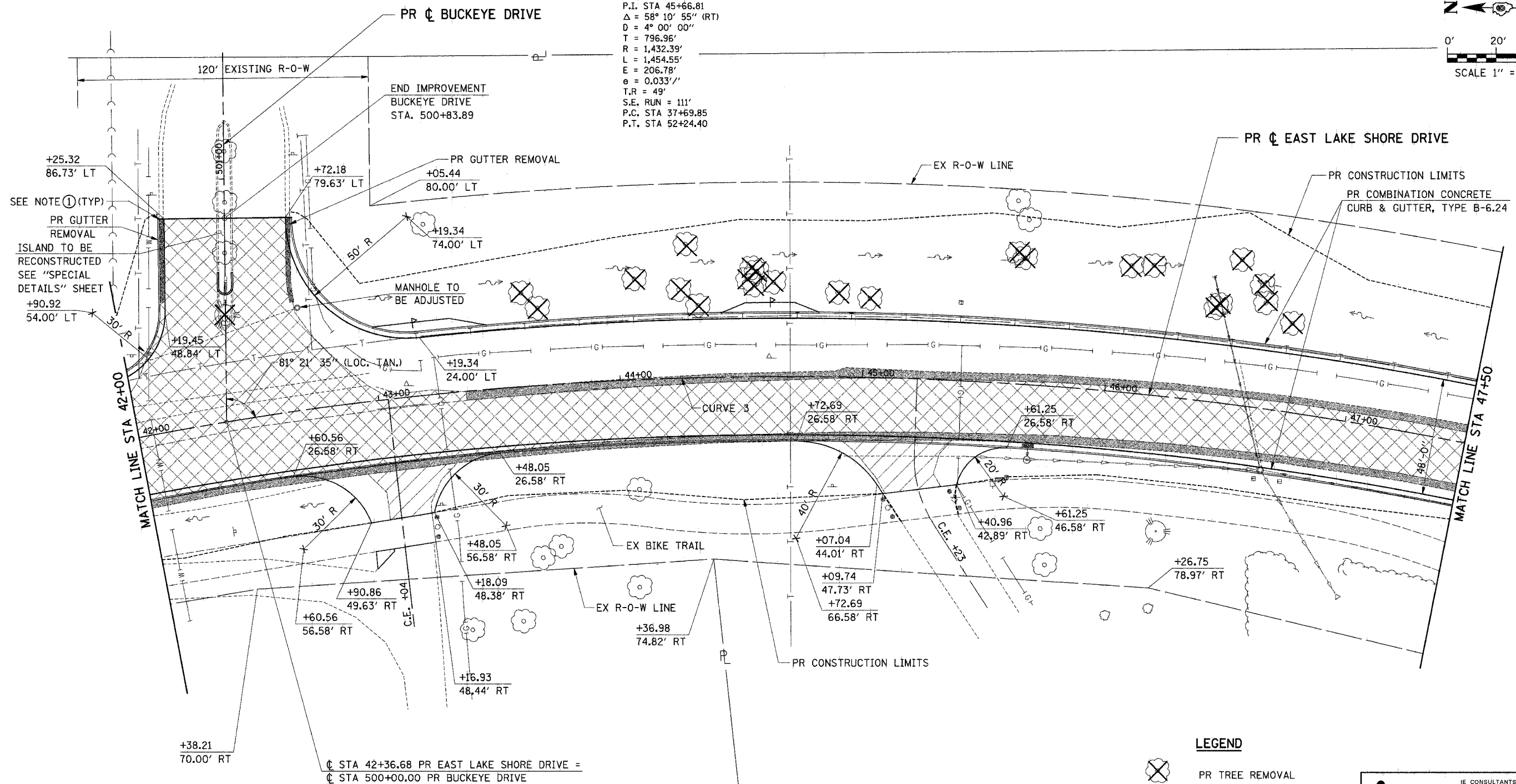


PROFILE STA. 36+50 TO STA. 42+00

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	34
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



CURVE 3 DATA
 P.I. STA 45+66.81
 $\Delta = 58^\circ 10' 55''$ (RT)
 $D = 4^\circ 00' 00''$
 $T = 796.96'$
 $R = 1,432.39'$
 $L = 1,454.55'$
 $E = 206.78'$
 $e = 0.033'/'$
 $T.R = 49'$
 $S.E. RUN = 111'$
 P.C. STA 37+69.85
 P.T. STA 52+24.40



SEE NOTE ① (TYP)
 PR GUTTER REMOVAL ISLAND TO BE RECONSTRUCTED SEE "SPECIAL DETAILS" SHEET
 +90.92
 54.00' LT

B.M. #5 STA 42+43, 38' LT
 CHISELED "□" IN CURB, W. END OF MEDIAN PR BUCKEYE DRIVE
 ELEV. 589.40

☐ STA 42+36.68 PR EAST LAKE SHORE DRIVE =
 ☐ STA 500+00.00 PR BUCKEYE DRIVE

NOTES
 ① TRANSITION FROM PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 TO EXISTING V-GUTTER OVER 10'. TRANSITION SHALL BE PAID FOR AS COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

- LEGEND**
- PR TREE REMOVAL
 - PR HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)
 - PR PAVEMENT REMOVAL
 - PR DRIVEWAY PAVEMENT REMOVAL
 - PR PAVED SHOULDER REMOVAL

ie consultants
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 IESPRINGFIELD@IE-CONSULTANTS.COM
 WWW.IE-CONSULTANTS.COM

ROADWAY PLAN
STA 42+00 TO STA 47+50

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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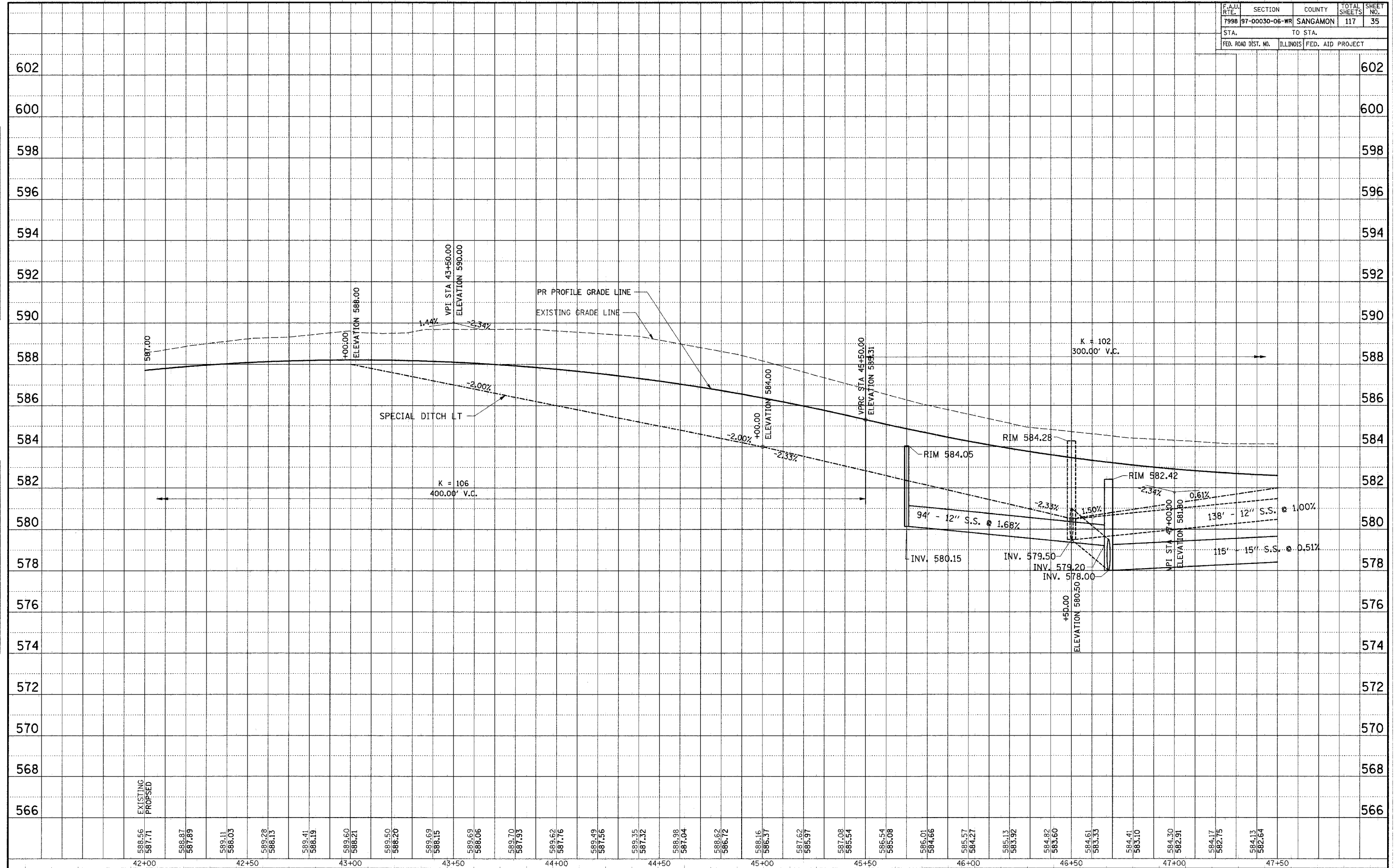
F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	35
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE _____ BY _____

DATE _____ BY _____

PLAN SURVEYED PLOTTED CHECKED
 NO. _____ RT. OF WAY CHECKED
 DATE FILE NAME _____

PROFILE SURVEYED PLOTTED CHECKED
 NO. _____ B.M. NOTED
 STRUCTURE NOTATIONS CHOP



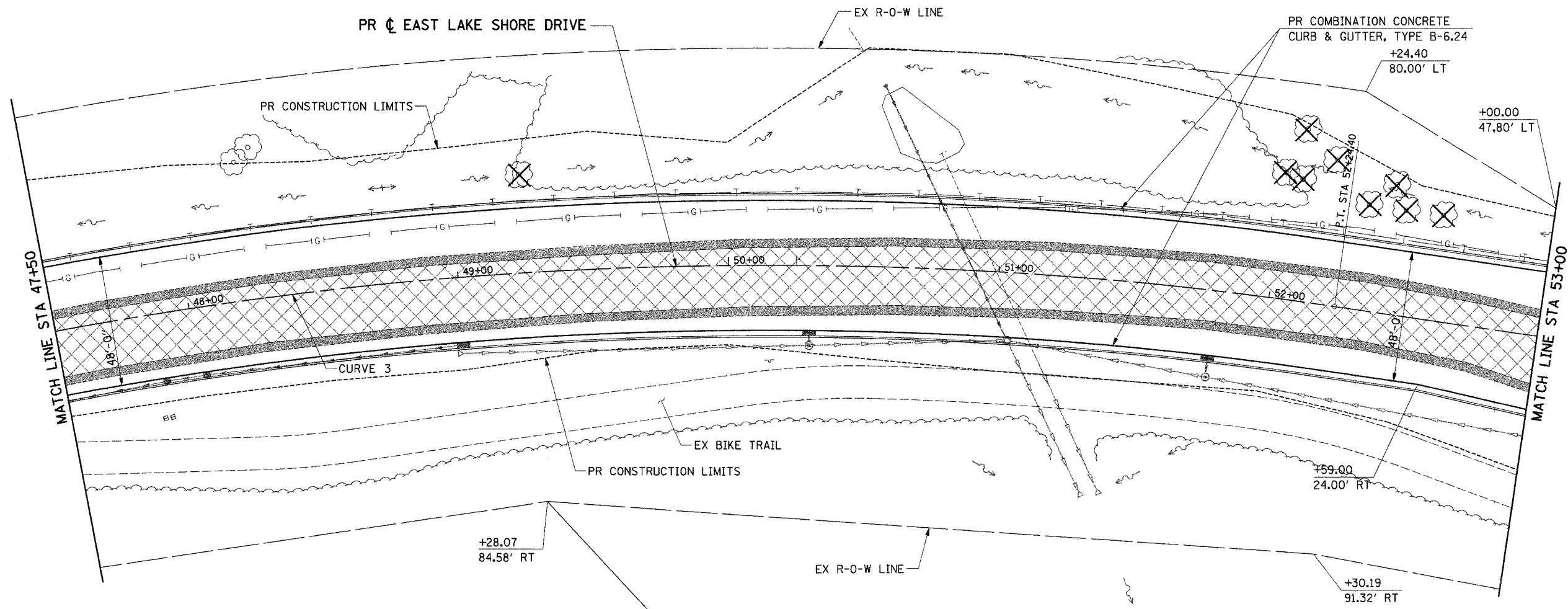
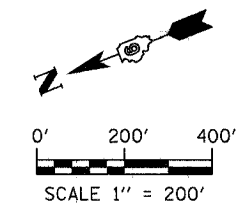
PROFILE STA. 42+00 TO STA. 47+50

93467

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	36
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	






CURVE 3 DATA
 P.I. STA 45+66.81
 $\Delta = 58^\circ 10' 55''$ (RT)
 $D = 4^\circ 00' 00''$
 $T = 796.96'$
 $R = 1,432.39'$
 $L = 1,454.55'$
 $E = 206.78'$
 $e = 0.0333'/'$
 $T.R = 49'$
 $S.E. RUN = 111'$
 P.C. STA 37+69.85
 P.T. STA 52+24.40

CITY OF SPRINGFIELD



LAKE LEASE PROPERTY
B.P.O.E. LODGE No. 158
(LESSEES)

LEGEND

-  PR TREE REMOVAL
-  PR HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)
-  PR PAVEMENT REMOVAL
-  PR DRIVEWAY PAVEMENT REMOVAL
-  PR PAVED SHOULDER REMOVAL

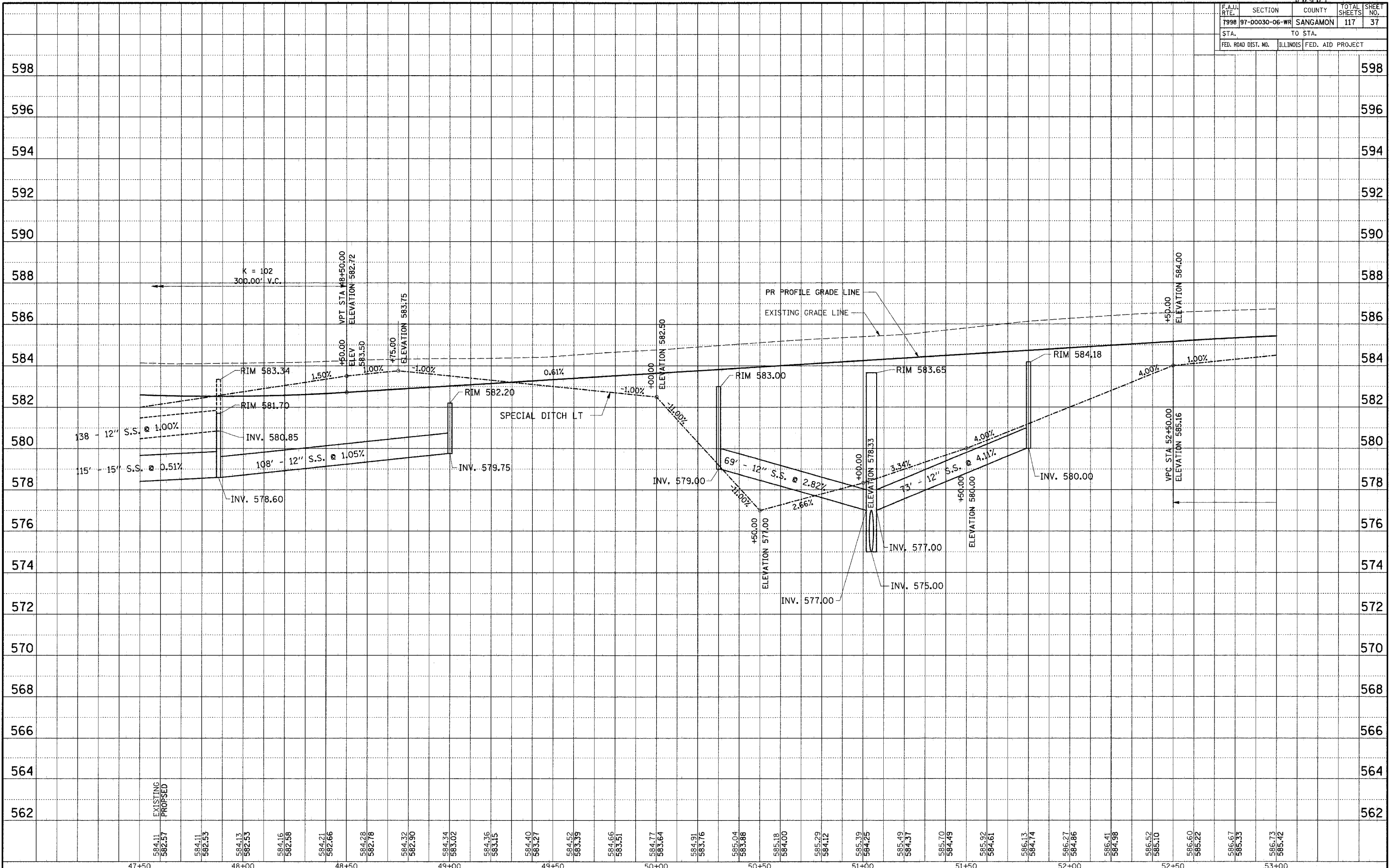
B.M. #6 STA 51+87, 33' RT
RR SPIKE IN 18" TREE, W.
SIDE OF ROAD, ELEV. 582.53

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 WWW.IE-CONSULTANTS.COM

ROADWAY PLAN STA 47+50 TO STA 53+00			
DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08

4/9/2008

93467			
F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS
1998	97-00030-06-WR	SANGAMON	117
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



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

PROFILE SURVEYED BY DATE
 PLOTTED BY DATE
 CHECKED BY DATE
 NOTE BOOK NO. OF MAY CHECKED
 STRUCTURE NOTATIONS CHPO

PROFILE STA. 47+50 TO STA. 53+00

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	38
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

LAKE LEASE PROPERTY

**ANDREW AND
MELANIE J.
DHABALT
(LESSEES)**

LAKE LEASE PROPERTY

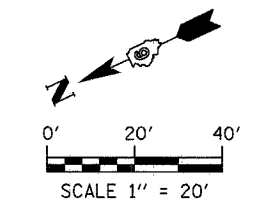
**JARRAD M. SMITH
(LESSEES)**

**LAKE LEASE PROPERTY
B.P.O.E. LODGE No. 158
(LESSEES)**

**B.M. *7 STA 57+42, 18' RT
TOP OF CONC. POST AT N.E.
COR OF ROCH. RD. & E. LAKE DR
ELEV. 587.24**

CURVE 4 DATA
 P.I. STA 59+14.02
 $\Delta = 31^\circ 10' 40''$ (LT)
 $D = 3^\circ 30' 00''$
 $T = 456.72'$
 $R = 1,637.02'$
 $L = 890.79'$
 $E = 62.52'$
 $e = 0.031''$
 $T.R = 50'$
 $S.E. RUN = 104'$
 $P.C. STA 54+57.30$
 $P.T. STA 63+48.09$

CURVE 6 DATA
 P.I. STA 97+85.31
 $\Delta = 25^\circ 49' 13''$ (RT)
 $D = 28^\circ 38' 52''$
 $T = 45.84'$
 $R = 200.00'$
 $L = 90.13'$
 $E = 5.19'$
 $e = NC$
 $PC STA 97+39.47$
 $PT STA 98+29.60$



- LEGEND**
- PR TREE REMOVAL
 - PR HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)
 - PR PAVEMENT REMOVAL
 - PR DRIVEWAY PAVEMENT REMOVAL
 - PR PAVED SHOULDER REMOVAL

**LAKE LEASE PROPERTY
BLUE RIDGE CLUB
(LESSEES)**

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 FAX: (217) 529-4543
 IESPRINGFIELD@IE-CONSULTANTS.COM
 WWW.IE-CONSULTANTS.COM

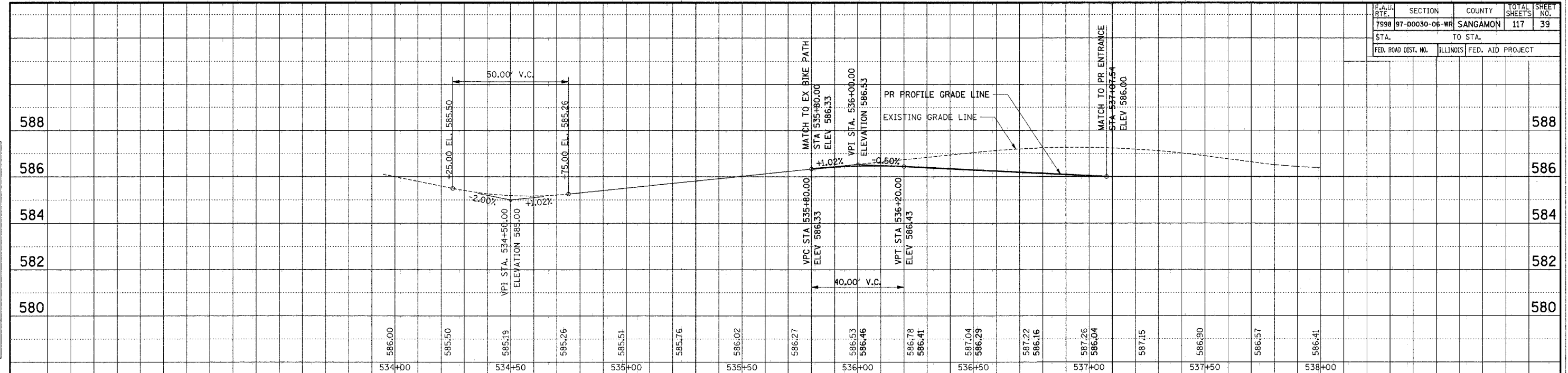
ROADWAY PLAN STA 53+00 TO STA 58+50			
DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08

4/19/2008

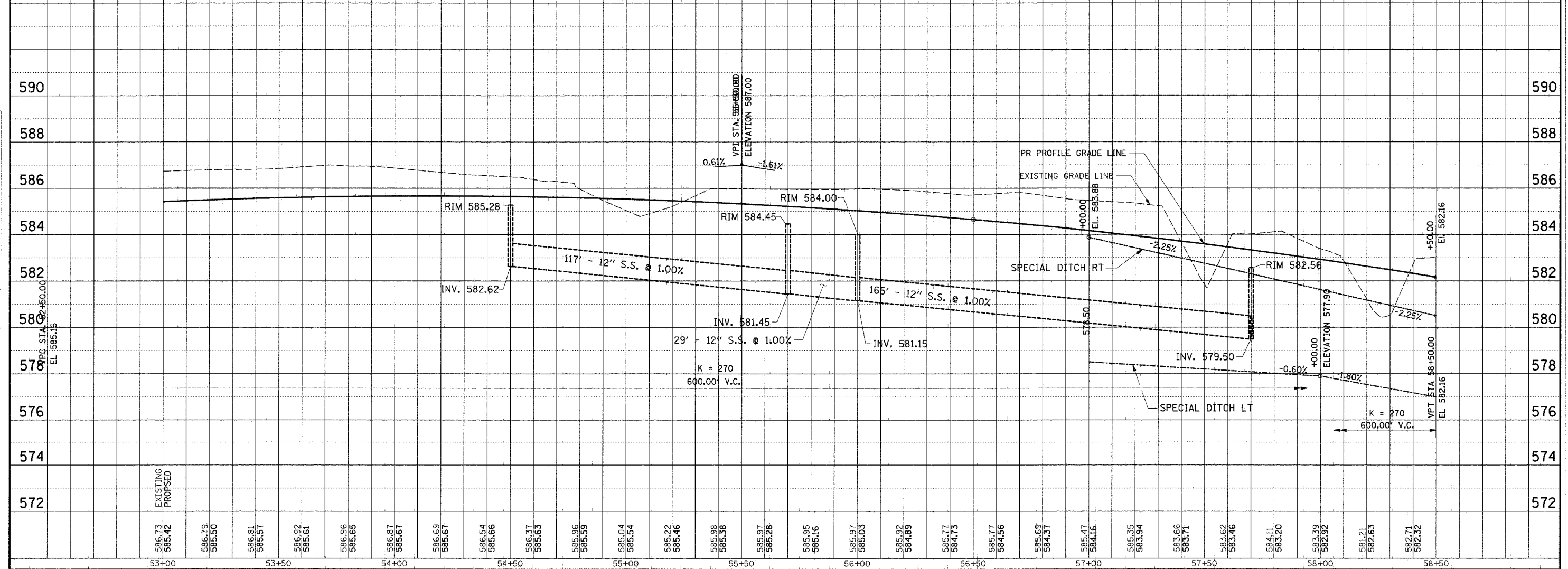
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	39
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PLAN SURVEYED BY DATE
 NOTE BOOK NO. _____
 ALIGNMENT CHECKED _____
 ELEVATION CHECKED _____
 PLOTTING FILE NAME _____

PROFILE SURVEYED BY DATE
 NOTE BOOK NO. _____
 GRADES CHECKED _____
 ELEVATION CHECKED _____
 PLOTTING FILE NAME _____



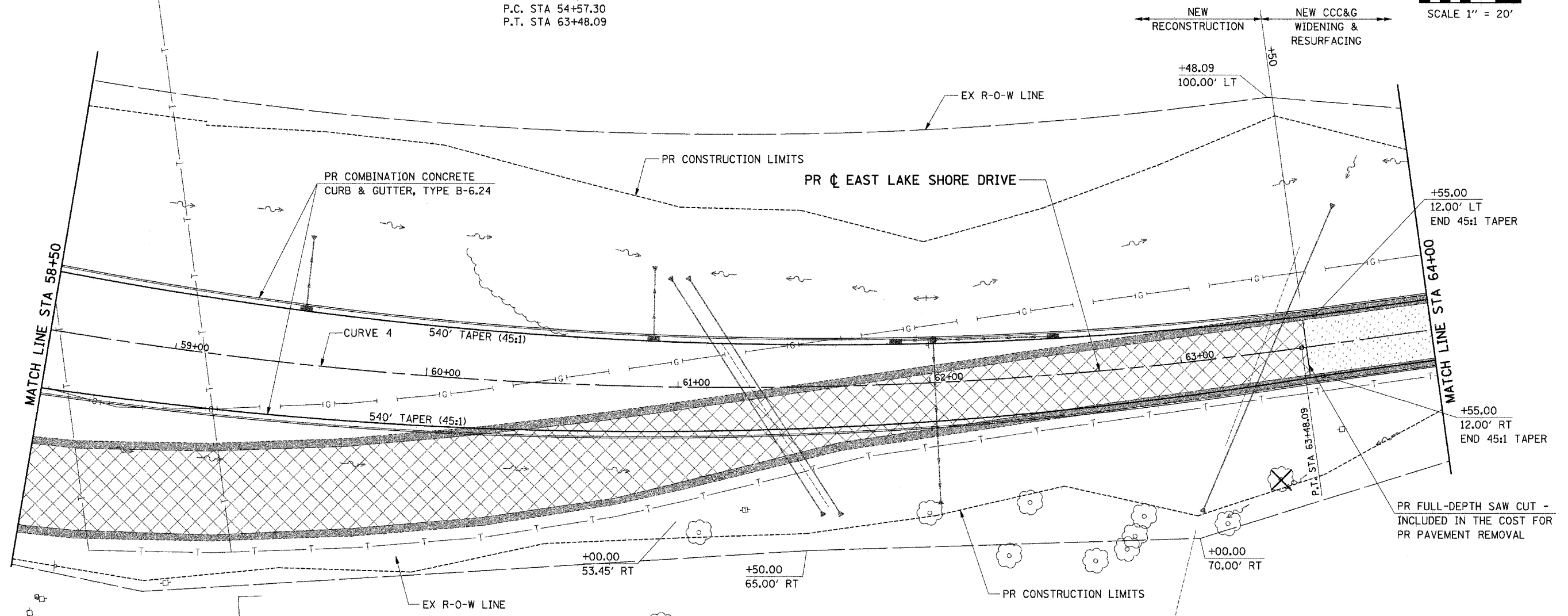
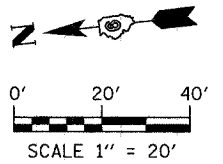
PROFILE BIKE PATH STA. 534+00 TO STA. 538+00



PROFILE STA. 53+00 TO STA. 58+50

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	40
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CURVE 4 DATA
 P.I. STA 59+14.02
 $\Delta = 31^\circ 10' 40''$ (LT)
 $D = 3^\circ 30' 00''$
 $T = 456.72'$
 $R = 1,637.02'$
 $L = 890.79'$
 $E = 62.52'$
 $e = 0.031'/'$
 $T.R. = 50'$
 $S.E. RUN = 104'$
 P.C. STA 54+57.30
 P.T. STA 63+48.09



B.M. #8 STA 63+14, 34' RT
 CHISELED "□" ON TOP OF RCCP
 W. SIDE OF ROAD, ELEV. = 573.44

LINCOLN GREENS GOLF COURSE

CITY OF SPRINGFIELD

LEGEND

- PR TREE REMOVAL
- PR HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)
- PR PAVEMENT REMOVAL
- PR DRIVEWAY PAVEMENT REMOVAL
- PR PAVED SHOULDER REMOVAL

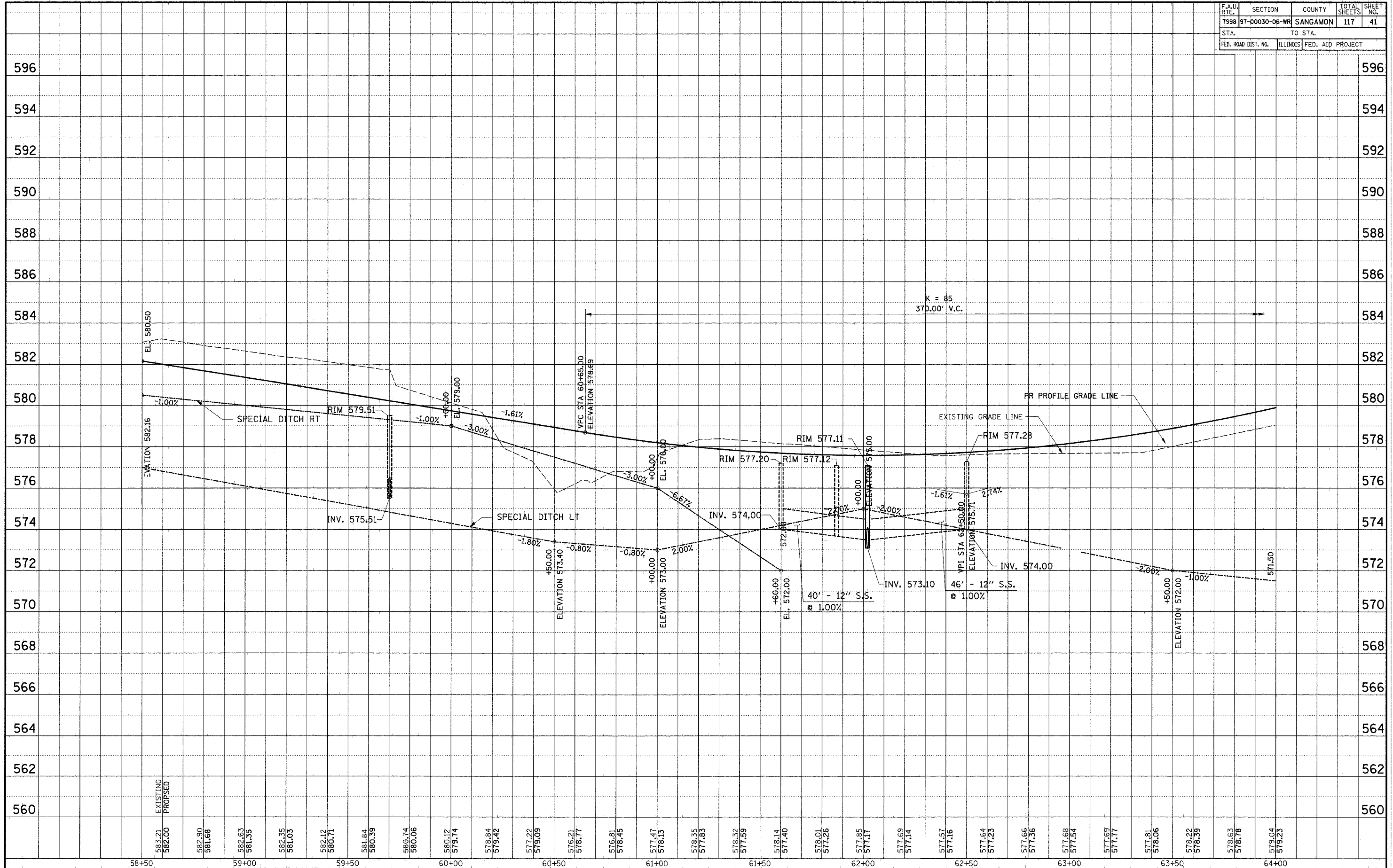
ie
 consultants

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 WWW.IE-CONSULTANTS.COM

ROADWAY PLAN
STA 58+50 TO STA 64+00

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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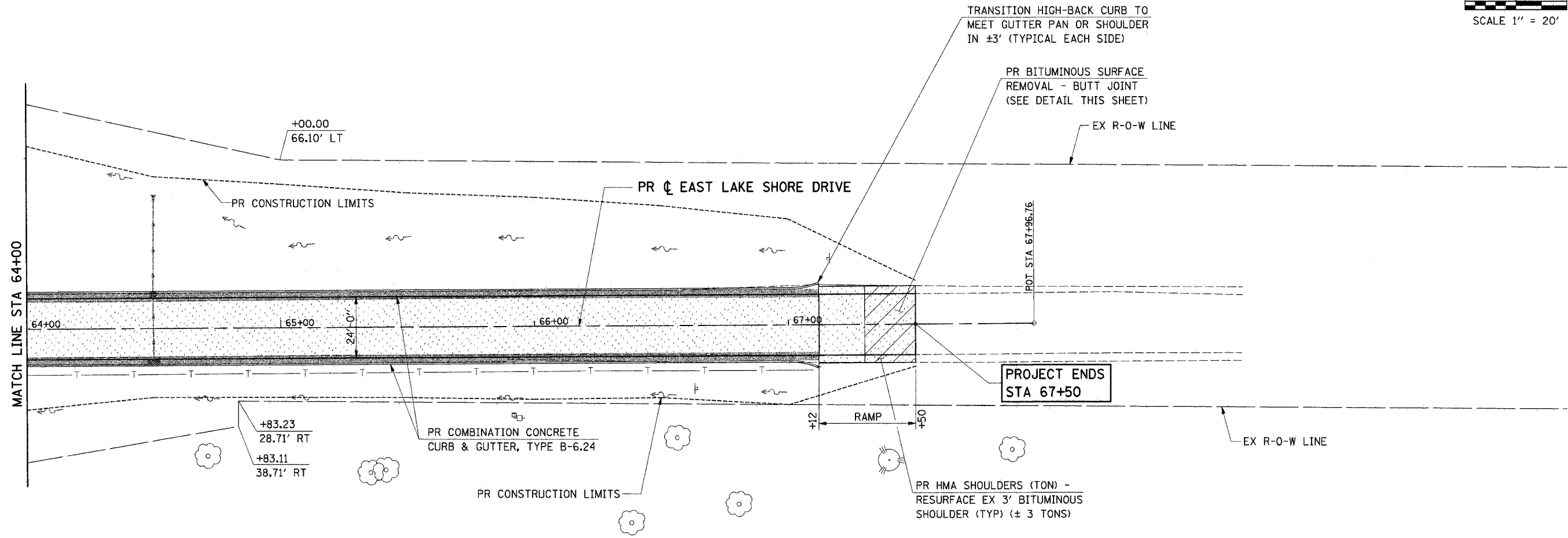
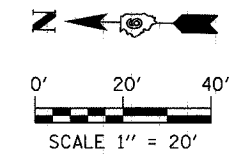
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7998	97-00030-06-WR	SANGAMON	117	41
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



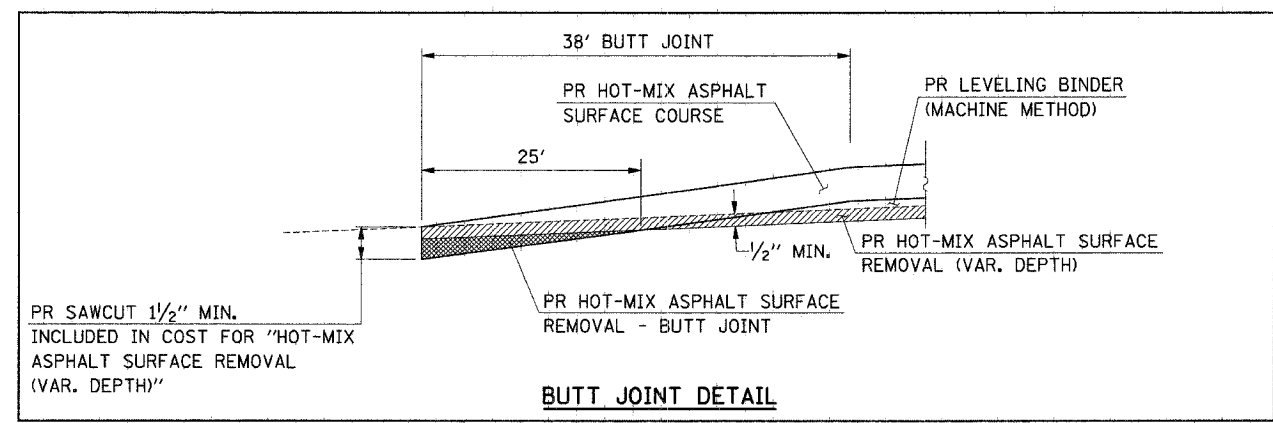
DATE _____ BY _____
 DATE _____ BY _____
 SURVEYED _____
 GRADES CHECKED _____
 NOTE BOOK _____
 PLAN NO. _____
 CHECKED _____
 ALIGNMENT CHECKED _____
 PLAN FILE NAME _____

PROFILE STA. 58+50 TO STA. 64+00

93467				
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	42
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CITY OF SPRINGFIELD



- LEGEND**
- PR TREE REMOVAL
 - PR HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)
 - PR PAVEMENT REMOVAL
 - PR DRIVEWAY PAVEMENT REMOVAL
 - PR PAVED SHOULDER REMOVAL

ie consultants

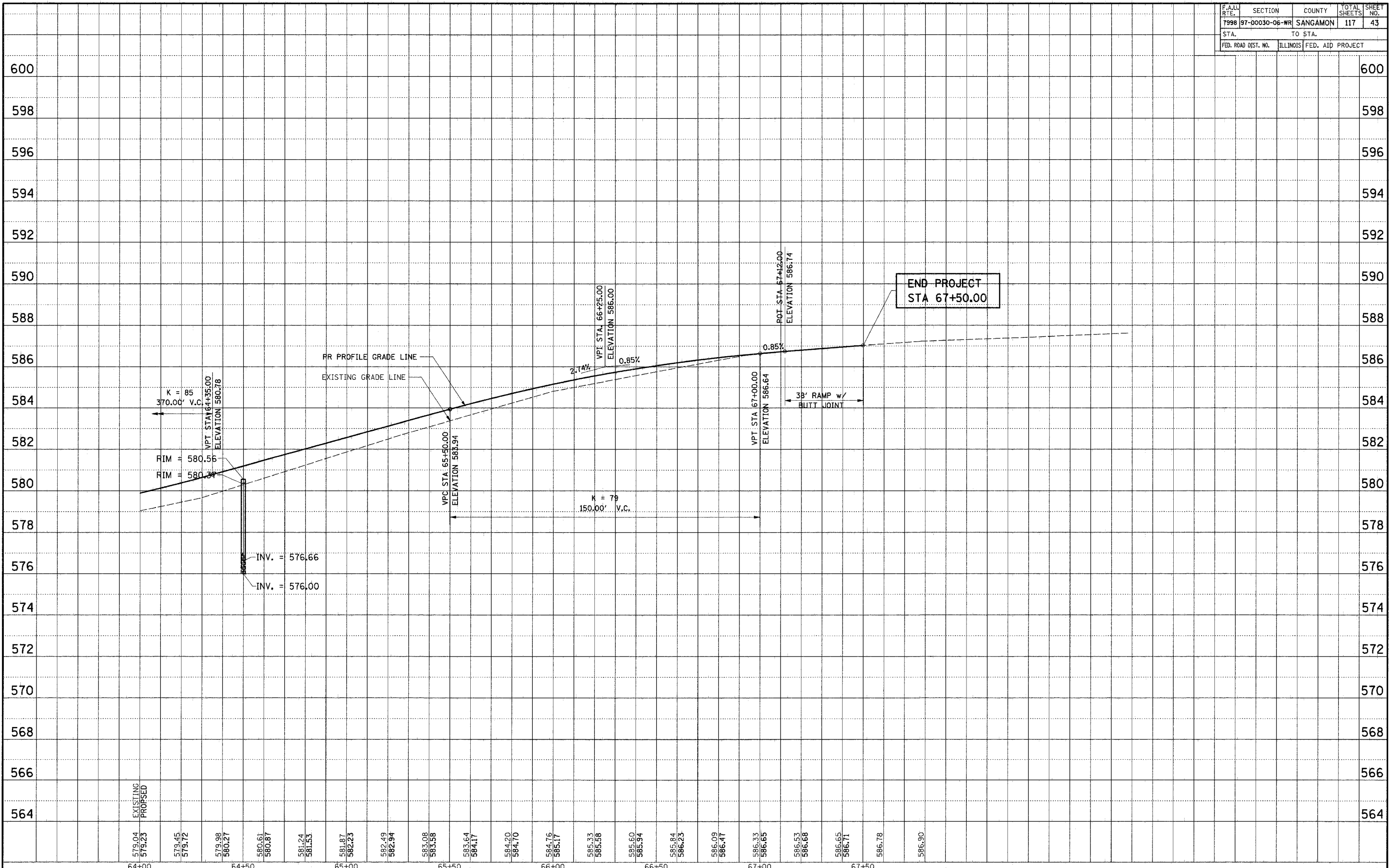
IE CONSULTANTS, INC.
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 WWW.IE-CONSULTANTS.COM

ROADWAY PLAN			
STA 64+00 TO STA 67+50			
DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08

4/9/2008

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	43
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY	DATE	BY
DATE	BY	DATE	BY

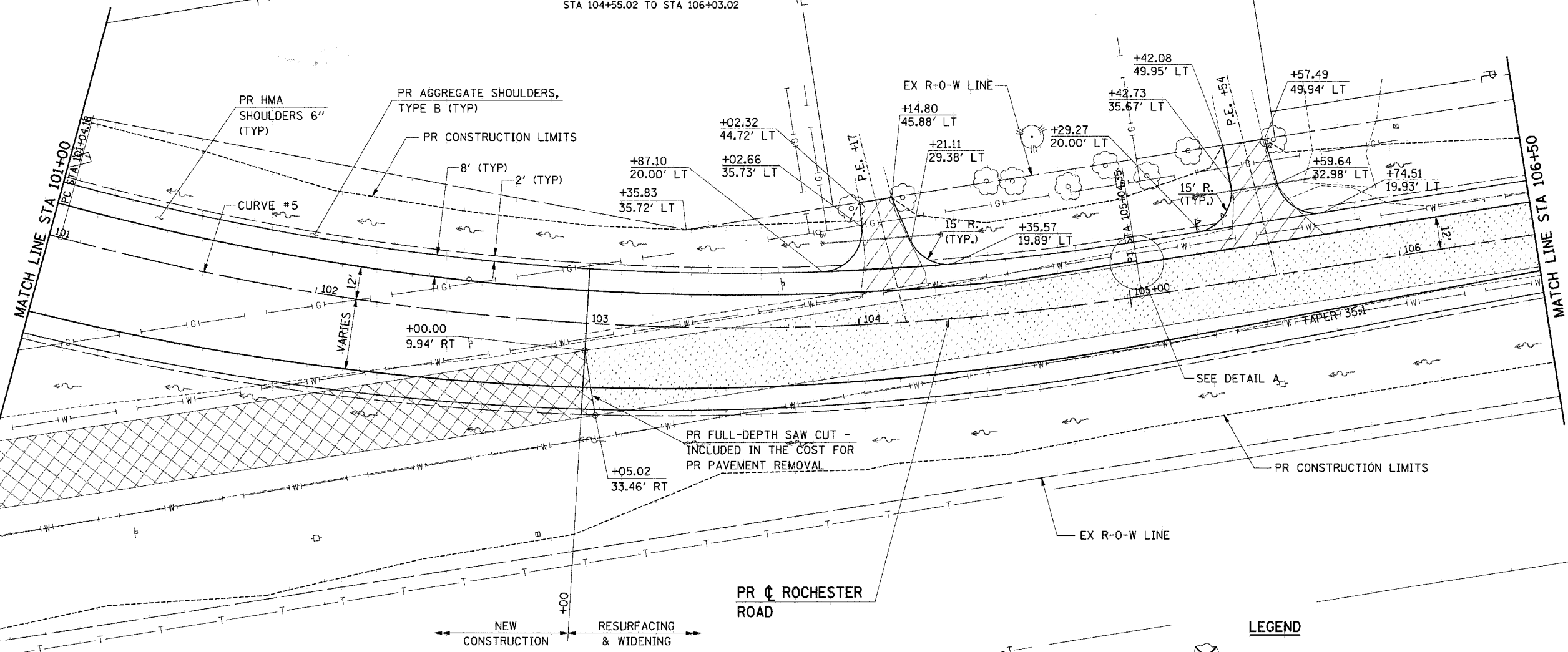
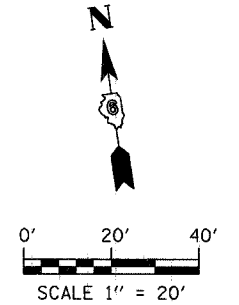
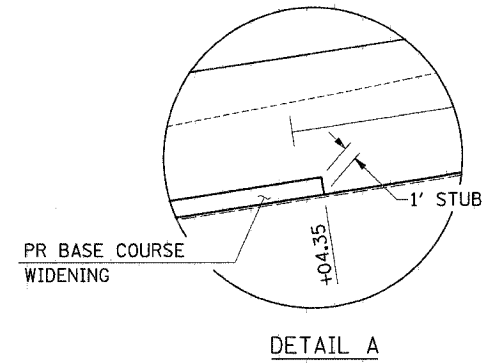


PROFILE STA. 64+00 TO STA. 67+50

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	44
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CURVE #5 DATA

PI STA 103+07.24
 $\Delta = 24^\circ 00' 37''$ LT
 $D = 6^\circ 00' 00''$
 $T = 203.07'$
 $R = 954.93'$
 $L = 400.17'$
 $E = 21.35'$
 PC STA 101+04.18
 PT STA 105+04.35
 $SE = 4.4\%$
 SE ATTAINED (108')
 STA 100+32.18 TO STA 101+40.18
 SE REMOVED (148')
 STA 104+55.02 TO STA 106+03.02



- LEGEND**
- PR TREE REMOVAL
 - PR HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)
 - PR PAVEMENT REMOVAL
 - PR DRIVEWAY PAVEMENT REMOVAL
 - PR PAVED SHOULDER REMOVAL

B.M. #10 STA 105+50, 38' RT
 R.R. SPIKE IN POWER POLE, S. SIDE
 OF ROCH. ROAD, ELEV. 584.95

ie consultants

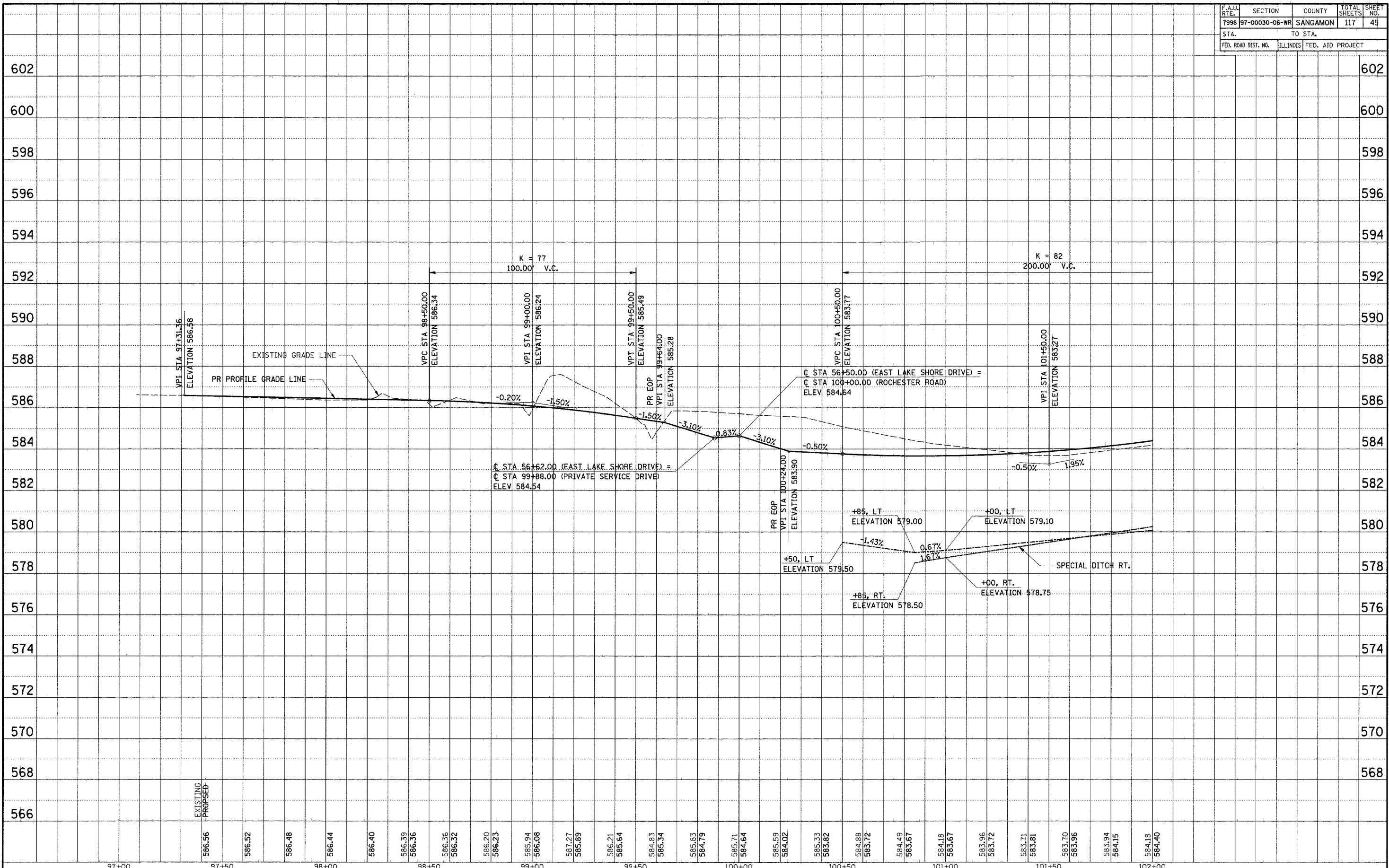
IE CONSULTANTS, INC.
 6420 SOUTH SIXTH STREET
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 FAX (217) 529-4543
 IESPRINGFIELD@IE-CONSULTANTS.COM
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ROADWAY PLAN
STA 101+00 TO STA 106+50

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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4/9/2008

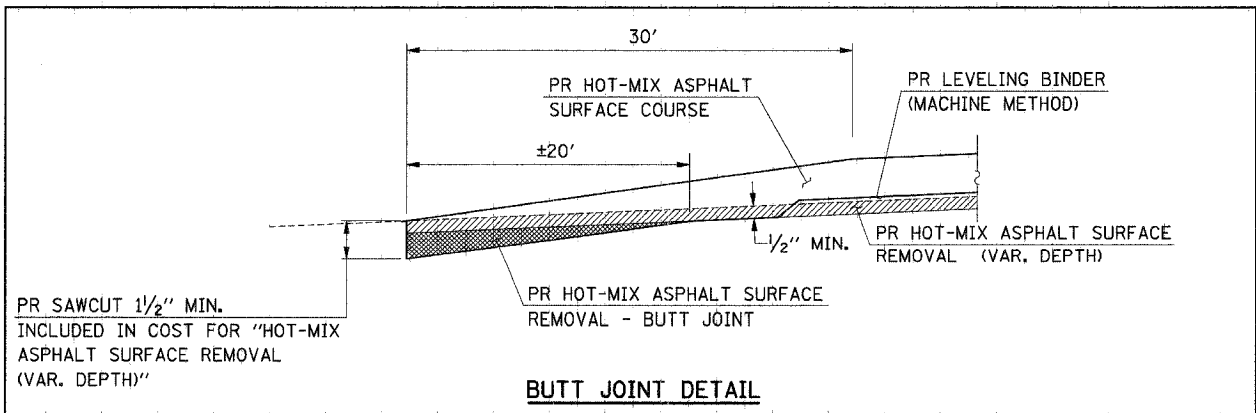
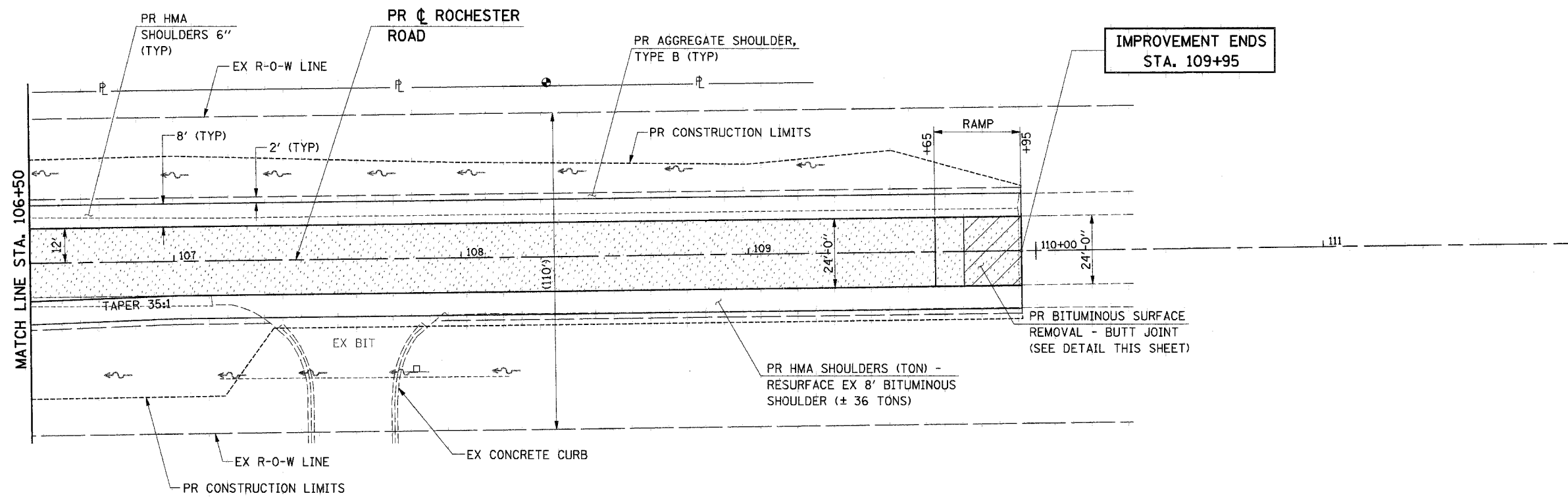
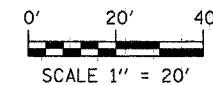
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		








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

PROFILE STA. 97+00 TO STA. 102+00

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	46
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

-  PR TREE REMOVAL
-  PR HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)
-  PR PAVEMENT REMOVAL
-  PR DRIVEWAY PAVEMENT REMOVAL
-  PR PAVED SHOULDER REMOVAL

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 WWW.IE-CONSULTANTS.COM

ROADWAY PLAN
STA. 106 + 50 TO STA. 109 + 95

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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4/9/2008

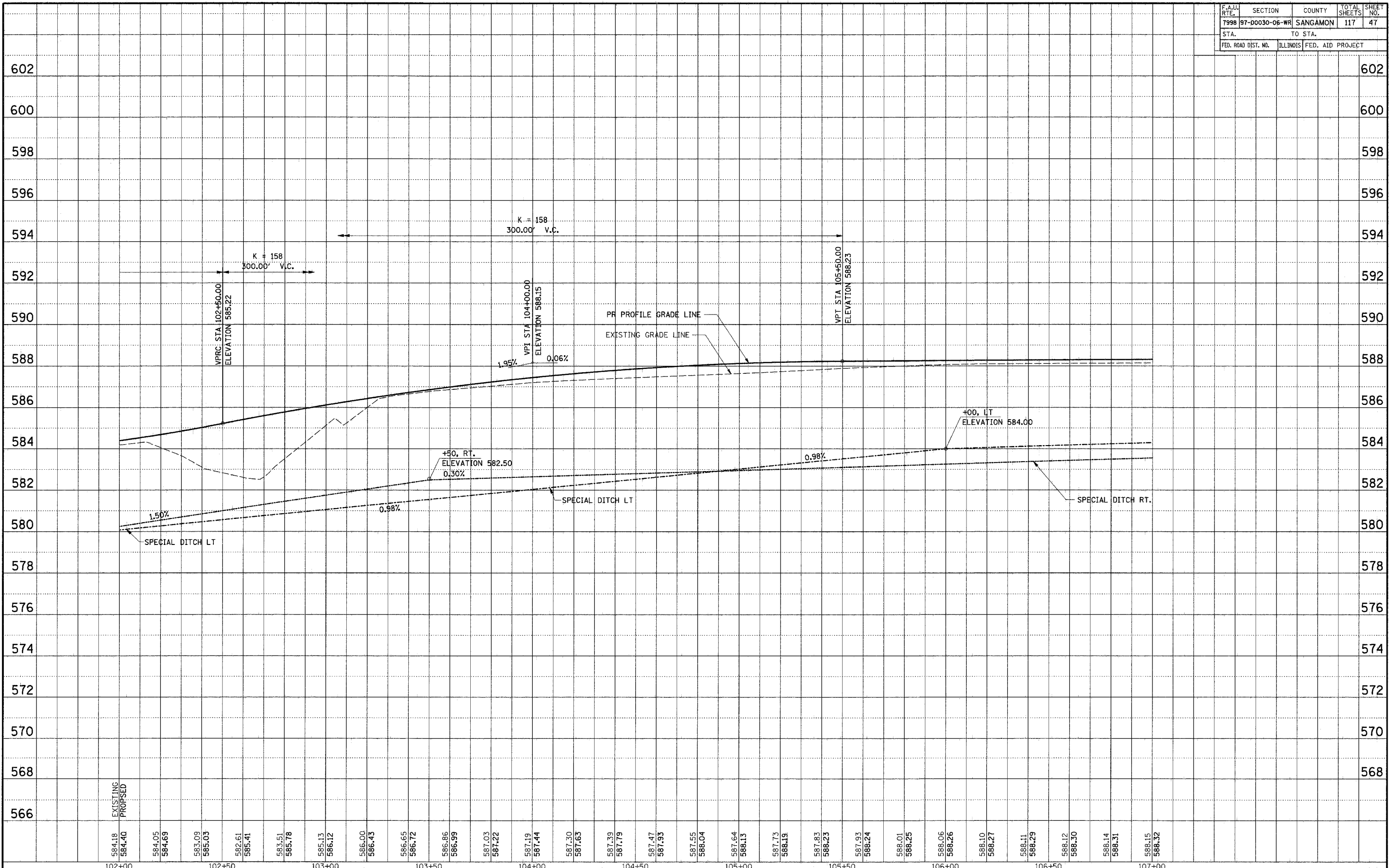
F.A.L. REF.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	47
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE _____ BY _____

DATE _____ BY _____

PLAN SURVEYED _____
 PLOTTED _____
 RT. OF WAY CHECKED _____
 NO. _____ CAD FILE NAME _____

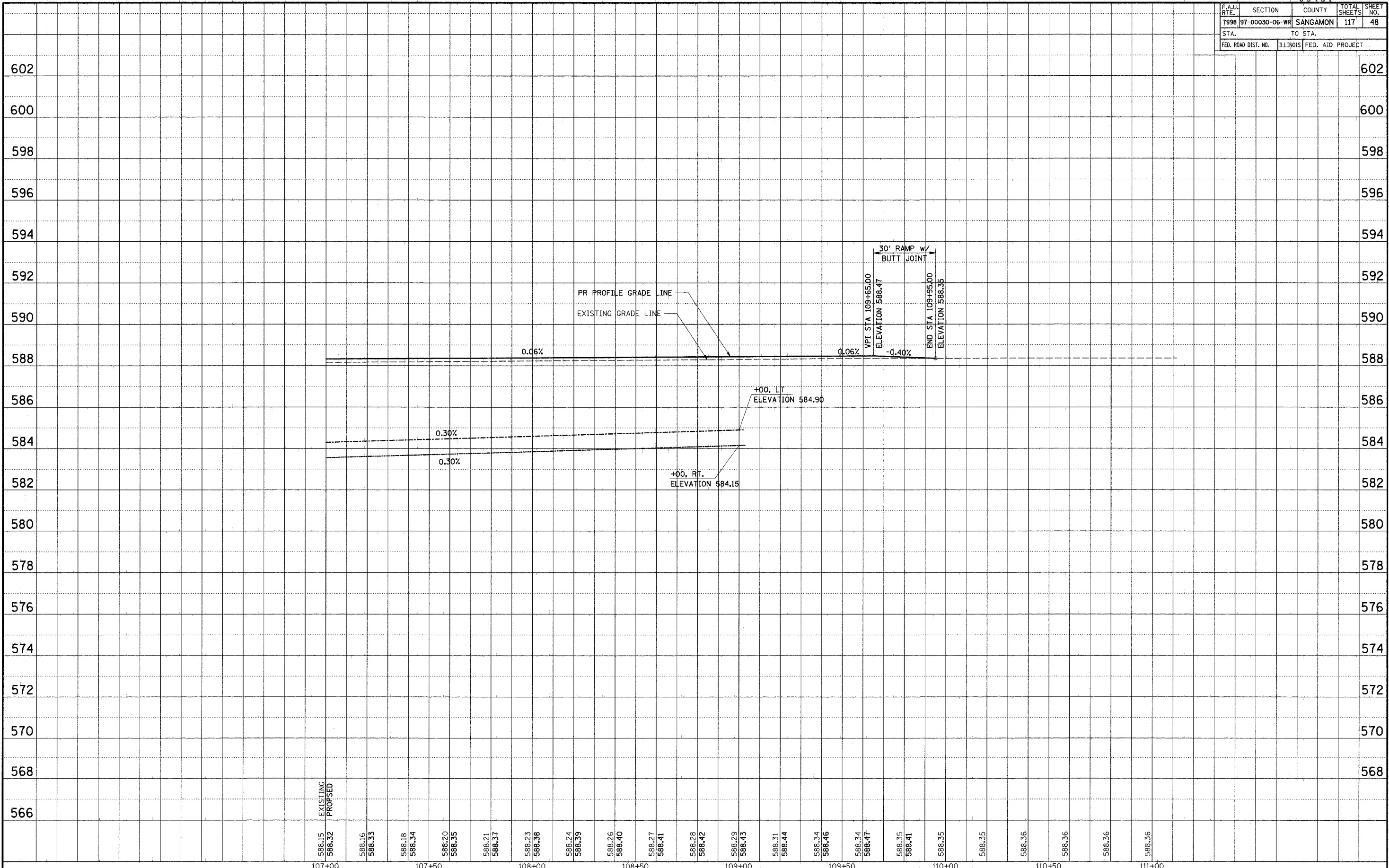
PROFILE SURVEYED _____
 PLOTTED _____
 BAL. NOTED _____
 STRUCTURE NOTATIONS CHECKED _____
 NO. _____



584.18	EXISTING	584.18
584.40	PROPOSED	584.40
584.05		584.05
584.69		584.69
583.09		583.09
585.03		585.03
582.61		582.61
585.41		585.41
583.51		583.51
585.78		585.78
585.13		585.13
586.12		586.12
586.00		586.00
586.43		586.43
586.65		586.65
586.72		586.72
586.86		586.86
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587.39		587.39
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587.55		587.55
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587.64		587.64
588.13		588.13
587.73		587.73
588.19		588.19
587.83		587.83
588.23		588.23
587.93		587.93
588.24		588.24
588.01		588.01
588.25		588.25
588.06		588.06
588.26		588.26
588.10		588.10
588.27		588.27
588.11		588.11
588.29		588.29
588.12		588.12
588.30		588.30
588.14		588.14
588.31		588.31
588.15		588.15
588.32		588.32

PROFILE STA. 102+00 TO STA. 107+00

F.A.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	48
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLAN SURVEYED BY DATE
 PLOTTED BY DATE
 RT. OF WAY CHECKED BY DATE
 NOTE BOOK NO. _____
 CAD FILE NAME _____

PROFILE SURVEYED BY DATE
 PLOTTED BY DATE
 B.M. NOTED BY DATE
 STRUCTURE NOTATIONS CHD NO. _____

PROFILE STA. 107+00 TO STA. 111+00

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	49
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

STAGE CONSTRUCTION NOTES

PRELIMINARY STAGE

TRAFFIC

1. USE EXISTING LANES WITH TEMPORARY ONE LANE CLOSURES ALLOWED DURING 9:00 A.M. TO 4:00 P.M. WITH USE OF FLAGGERS.
2. TWO-WAY TRAFFIC SHALL BE MAINTAINED ON SIDEROADS AT ALL TIMES. SIDEROADS MAY BE SHUT DOWN TO ONE LANE WITH THE USE OF FLAGGERS WHEN PARTICULAR CONSTRUCTION ACTIVITIES REQUIRE THE LANE BEING SHUT DOWN.
3. COMMERCIAL AND PRIVATE ENTRANCES SHALL BE STAGE CONSTRUCTED SO AS TO PROVIDE THE LEAST INCONVENIENCE TO THE PROPERTY OWNER.

CONSTRUCTION

1. CONSTRUCT TEMPORARY PAVEMENT ALONG SOUTH E.O.P. OF EAST LAKE SHORE DRIVE.

STAGE I

TRAFFIC

1. MOVE TRAFFIC TO SOUTH LANES OF EAST LAKE SHORE DRIVE.
2. TWO-WAY TRAFFIC SHALL BE MAINTAINED ON SIDEROADS AT ALL TIMES. SIDEROADS MAY BE SHUT DOWN TO ONE LANE WITH THE USE OF FLAGGERS WHEN PARTICULAR CONSTRUCTION ACTIVITIES REQUIRE THE LANE BEING SHUT DOWN.
3. COMMERCIAL AND PRIVATE ENTRANCES SHALL BE STAGE CONSTRUCTED SO AS TO PROVIDE THE LEAST INCONVENIENCE TO THE PROPERTY OWNER.

CONSTRUCTION

1. REMOVE ALL PAVEMENT AND APPURTENANCES NORTH OF THE STAGE I REMOVAL LINE.
2. CONSTRUCT ALL PAVEMENT BASES AND APPURTENANCES NORTH OF THE STAGE I CONSTRUCTION LINE, EXCEPT THAT COMBINATION CONCRETE CURB & GUTTER CONSTRUCTION SHALL BEGIN AT LT. STA. 12+38 IN STAGE I.
3. CONSTRUCT TEMPORARY PAVEMENT SHOWN, LT. STA. 9+87 TO 11+25.
4. CONSTRUCT AGGREGATE FOR TEMPORARY ACCESS AS NEEDED.
5. CONSTRUCT ROCHESTER ROAD (RELOCATED).

STAGE IA

TRAFFIC

1. MOVE TRAFFIC FROM EXISTING ROCHESTER ROAD TO ROCHESTER ROAD (RELOCATED).
2. TWO-WAY TRAFFIC SHALL BE MAINTAINED ON SIDEROADS AT ALL TIMES. SIDEROADS MAY BE SHUT DOWN TO ONE LANE WITH THE USE OF FLAGGERS WHEN PARTICULAR CONSTRUCTION ACTIVITIES REQUIRE THE LANE BEING SHUT DOWN.
3. COMMERCIAL AND PRIVATE ENTRANCES SHALL BE STAGE CONSTRUCTED SO AS TO PROVIDE THE LEAST INCONVENIENCE TO THE PROPERTY OWNER.

STAGE IA

CONSTRUCTION

1. CONSTRUCT TEMPORARY PAVEMENT CONNECTING ROCHESTER ROAD (RELOCATED) TO EXISTING EAST LAKE SHORE DRIVE.

REMOVE EXISTING ROCHESTER ROAD PAVEMENT AT INTERSECTION WITH EXISTING EAST LAKE SHORE DRIVE.
2. CONSTRUCT THE RE-ALIGNED EAST LAKE SHORE DRIVE PAVEMENT MARKED AS STAGE IA WORK AREA ON THE MAINTENANCE OF TRAFFIC PLANS.
3. COMPLETE THE WIDENING ON THE RIGHT SIDE OF ROCHESTER ROAD MARKED AS STAGE IA WORK AREA ON THE ROCHESTER ROAD MAINTENANCE OF TRAFFIC PLANS.

STAGE II

TRAFFIC

1. MOVE TRAFFIC TO NORTH LANES OF EAST LAKE SHORE DRIVE.
2. TWO-WAY TRAFFIC SHALL BE MAINTAINED ON SIDEROADS AT ALL TIMES. SIDEROADS MAY BE SHUT DOWN TO ONE LANE WITH THE USE OF FLAGGERS WHEN PARTICULAR CONSTRUCTION ACTIVITIES REQUIRE THE LANE BEING SHUT DOWN.
3. COMMERCIAL AND PRIVATE ENTRANCES SHALL BE STAGE CONSTRUCTED SO AS TO PROVIDE THE LEAST INCONVENIENCE TO THE PROPERTY OWNER.

CONSTRUCTION

1. REMOVE ALL PAVEMENT AND APPURTENANCES WHICH WERE NOT REMOVED IN STAGE I.
2. CONSTRUCT ALL PAVEMENT BASES AND APPURTENANCES SOUTH OF THE STAGE I CONSTRUCTION LINE.
3. CONSTRUCT AGGREGATE FOR TEMPORARY ACCESS AS NEEDED.

STAGE III

TRAFFIC

1. ALL CONSTRUCTION IS TO BE COMPLETED WITH THE ROADWAY OPEN TO TRAFFIC. ONLY DAYTIME LANE CLOSURES WITH THE USE OF FLAGGERS WILL BE PERMITTED.
2. TWO-WAY TRAFFIC SHALL BE MAINTAINED ON SIDEROADS AT ALL TIMES. SIDEROADS MAY BE SHUT DOWN TO ONE LANE WITH THE USE OF FLAGGERS WHEN PARTICULAR CONSTRUCTION ACTIVITIES REQUIRE THE LANE BEING SHUT DOWN.
3. COMMERCIAL AND PRIVATE ENTRANCES SHALL BE STAGE CONSTRUCTED SO AS TO PROVIDE THE LEAST INCONVENIENCE TO THE PROPERTY OWNER.

CONSTRUCTION

1. COMPLETE COMBINATION CONCRETE CURB & GUTTER, LT. STA. 9+87 TO 12+38.
2. COMPLETE PAVEMENT STRUCTURE BY CONSTRUCTING BITUMINOUS SURFACE COURSE.
3. COMPLETE ANY INCIDENTAL RESURFACING AND CONCRETE WORK.
4. REMOVE REMAINDER OF OLD PAVEMENT OF ROCHESTER ROAD.

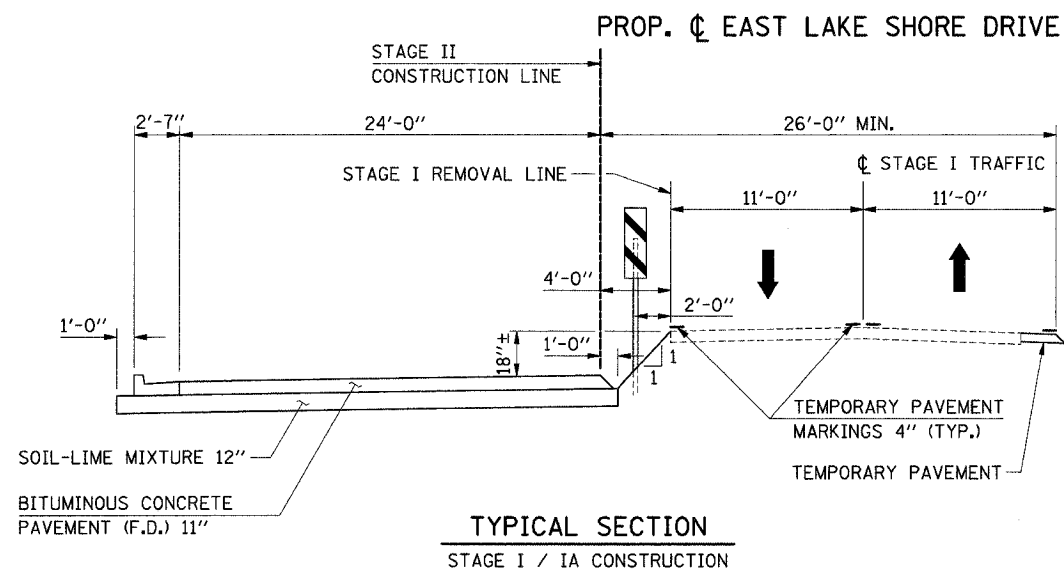
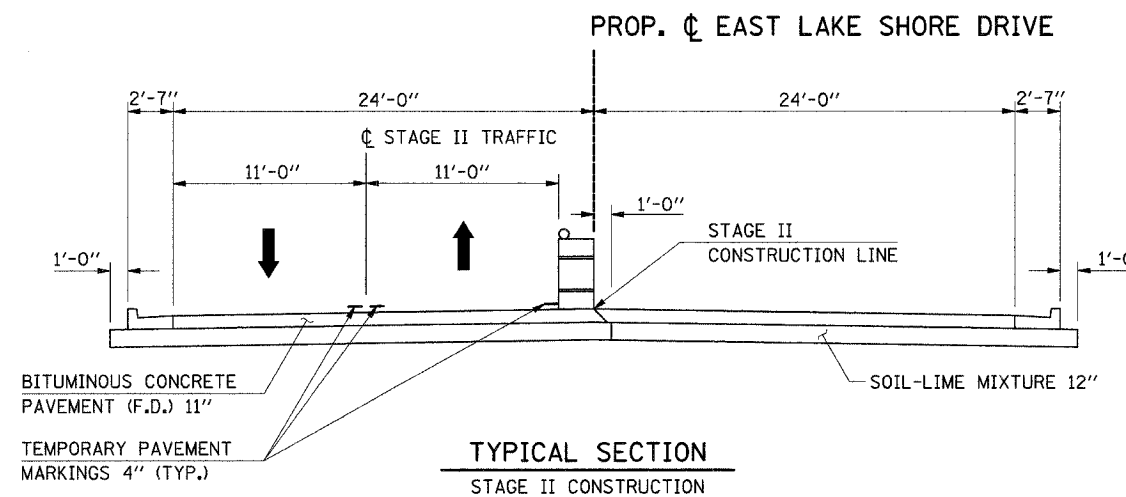
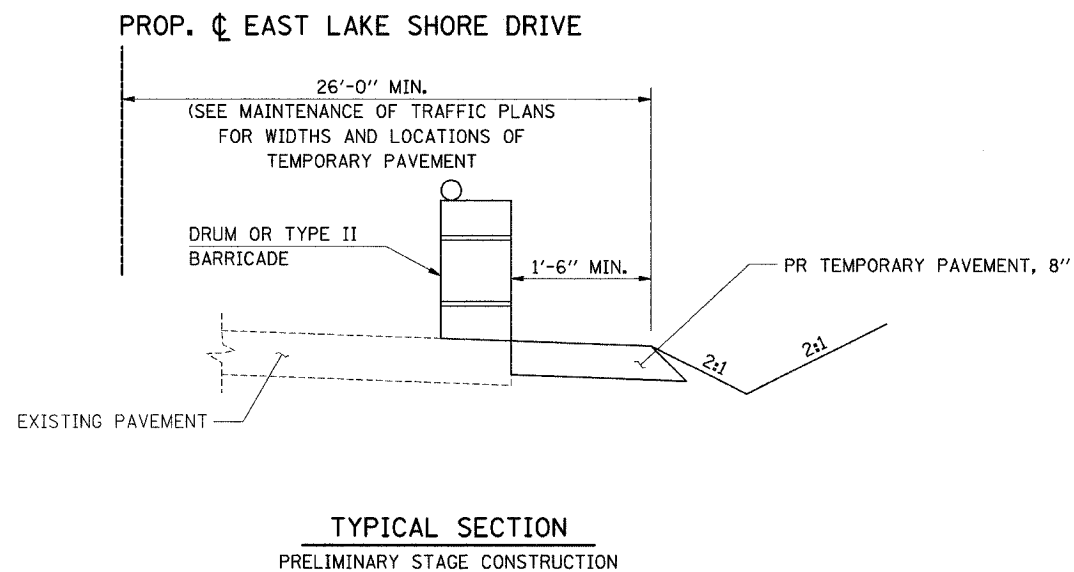
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MAINTENANCE OF TRAFFIC STAGE CONSTRUCTION NOTES

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	50
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



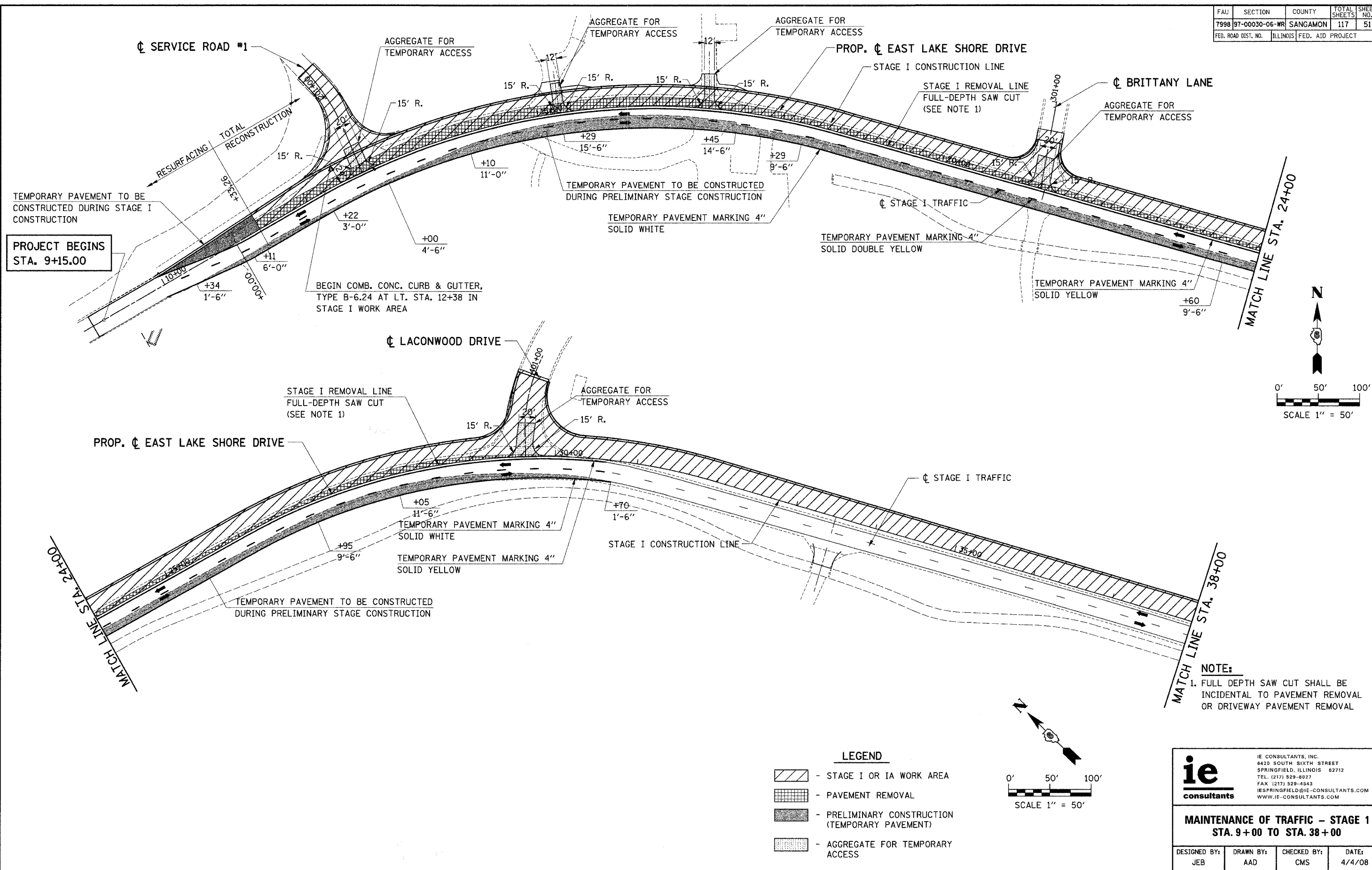
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**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS**

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	51
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



4/19/2008

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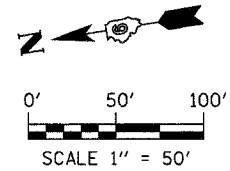
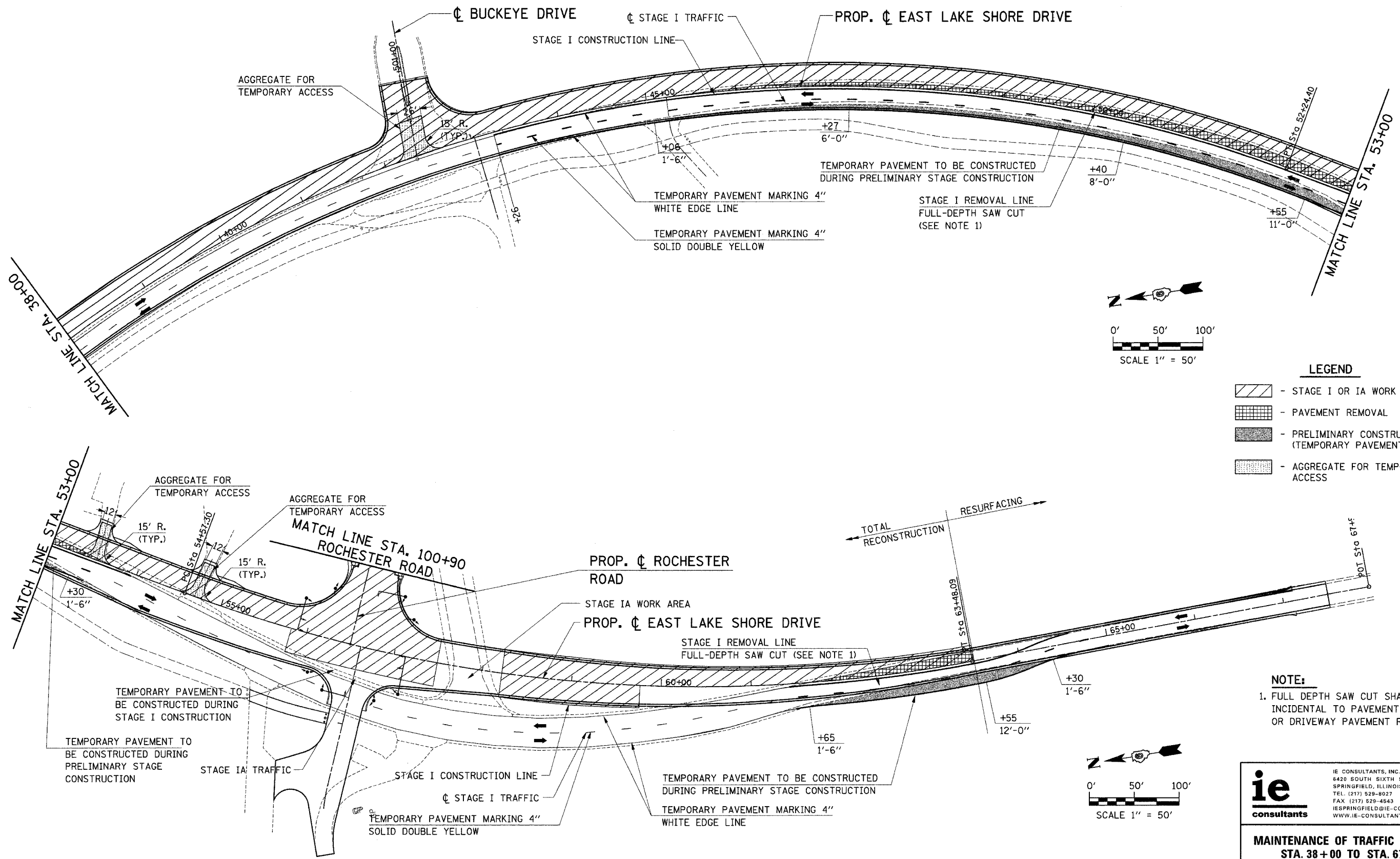
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**MAINTENANCE OF TRAFFIC - STAGE 1
STA. 9+00 TO STA. 38+00**

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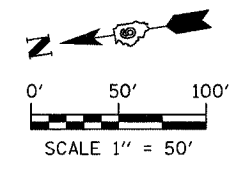
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	52
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

	- STAGE I OR IA WORK AREA
	- PAVEMENT REMOVAL
	- PRELIMINARY CONSTRUCTION (TEMPORARY PAVEMENT)
	- AGGREGATE FOR TEMPORARY ACCESS

NOTE:
 1. FULL DEPTH SAW CUT SHALL BE INCIDENTAL TO PAVEMENT REMOVAL OR DRIVEWAY PAVEMENT REMOVAL



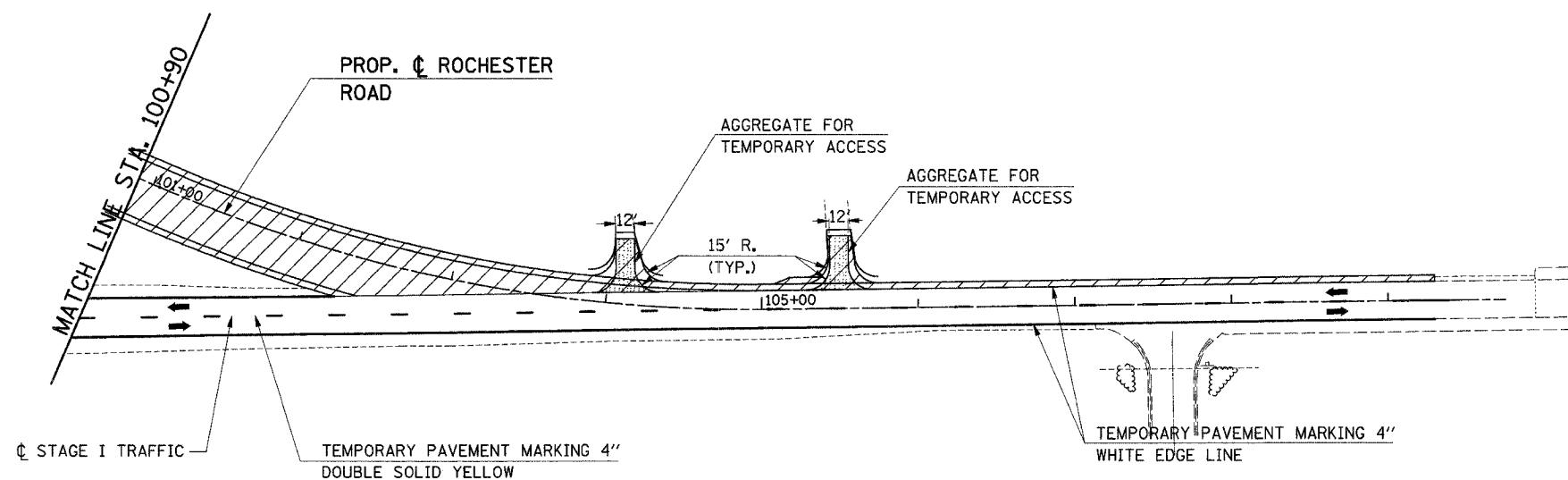
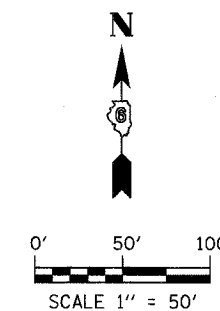
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**MAINTENANCE OF TRAFFIC - STAGE 1
 STA. 38+00 TO STA. 67+00**

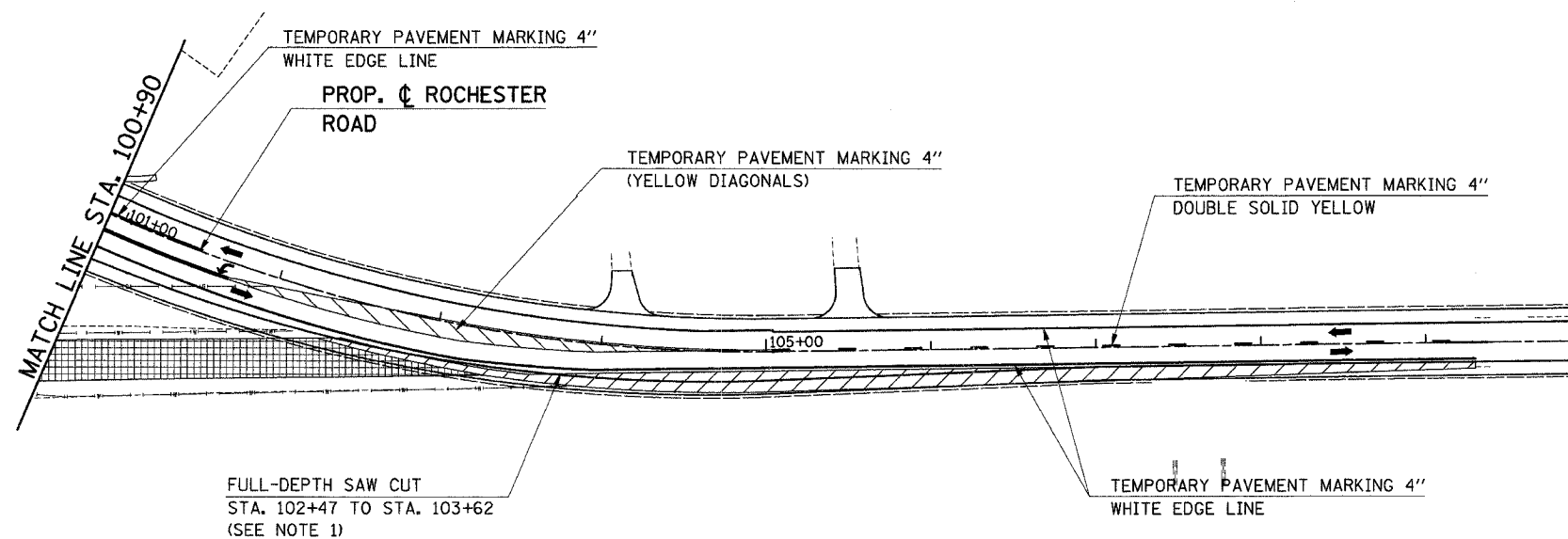
DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

4/9/2008

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	53
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



STAGE I



STAGE IA

LEGEND

- STAGE I OR IA WORK AREA
- PAVEMENT REMOVAL
- PRELIMINARY CONSTRUCTION (TEMPORARY PAVEMENT)
- AGGREGATE FOR TEMPORARY ACCESS

NOTE:

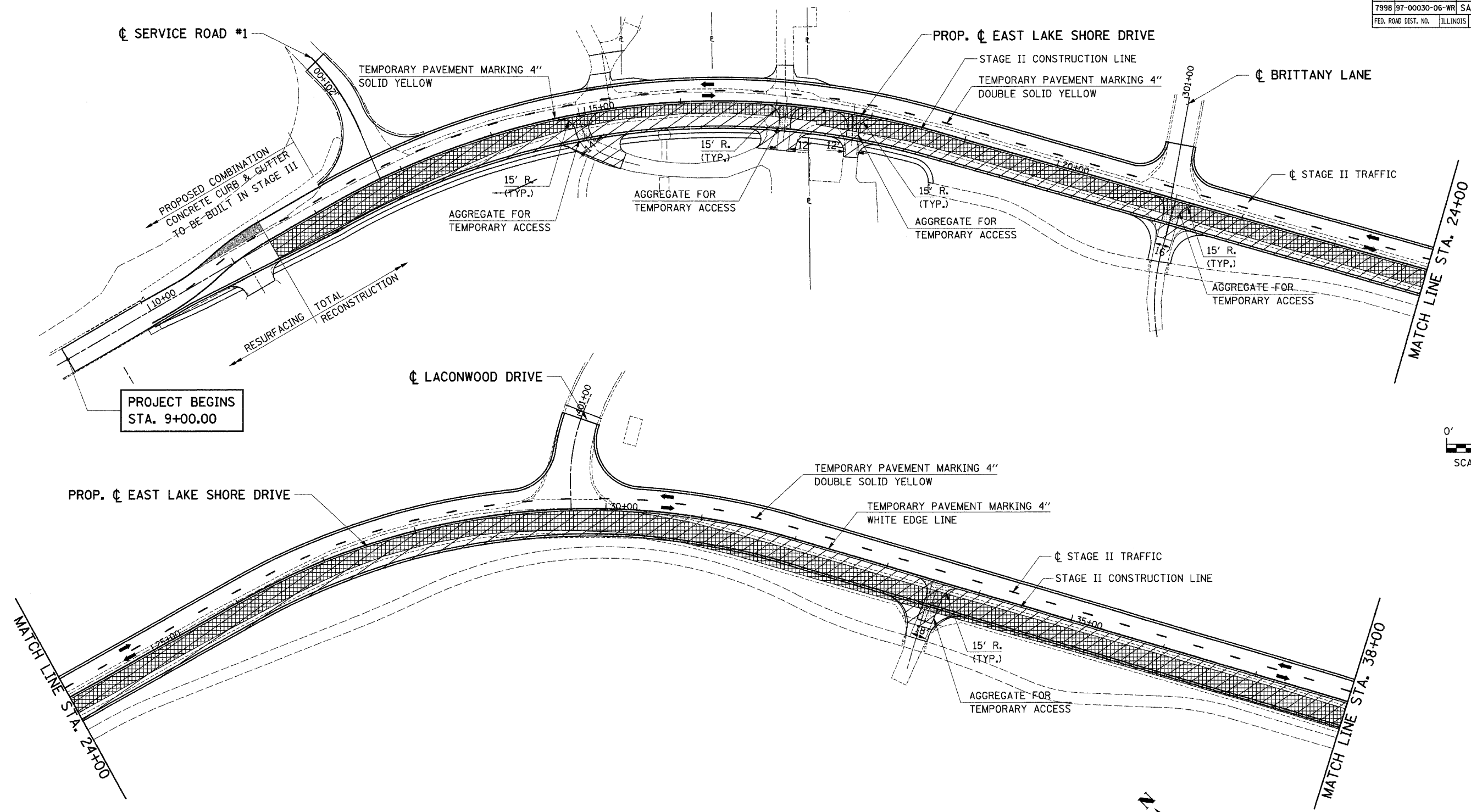
1. FULL DEPTH SAW CUT SHALL BE INCIDENTAL TO PAVEMENT REMOVAL OR DRIVEWAY PAVEMENT REMOVAL

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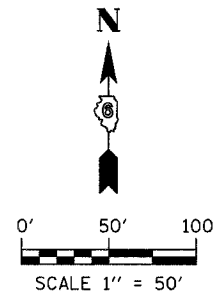
**MAINTENANCE OF TRAFFIC
STAGE 1 & 1A
STA. 100 + 90 TO STA. 109 + 30**

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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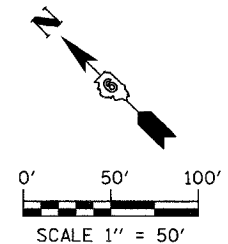
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	54
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



PROJECT BEGINS
STA. 9+00.00



- LEGEND**
- STAGE II WORK AREA
 - PAVEMENT REMOVAL
 - PRELIMINARY CONSTRUCTION (TEMPORARY PAVEMENT)
 - AGGREGATE FOR TEMPORARY ACCESS



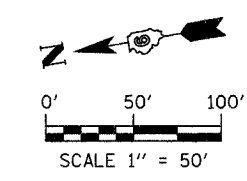
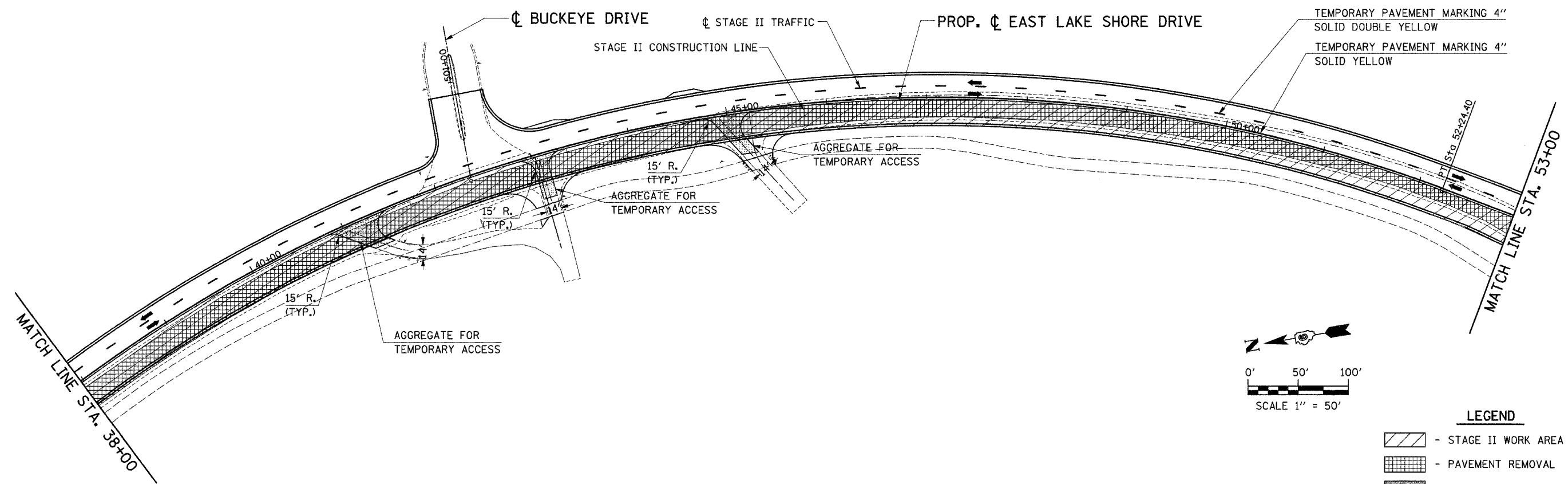
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**MAINTENANCE OF TRAFFIC – STAGE 2
 STA. 9+00 TO STA. 38+00**

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

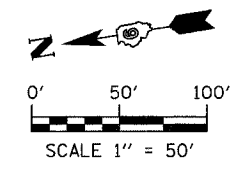
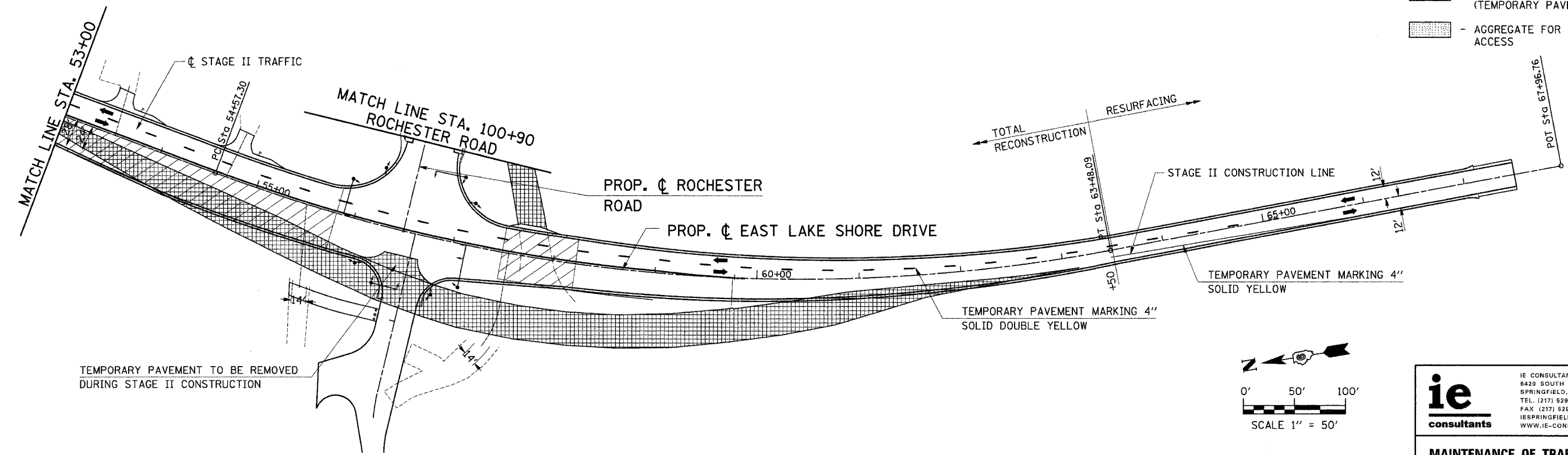
4/9/2008

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	55
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



LEGEND

- STAGE II WORK AREA
- PAVEMENT REMOVAL
- PRELIMINARY CONSTRUCTION (TEMPORARY PAVEMENT)
- AGGREGATE FOR TEMPORARY ACCESS



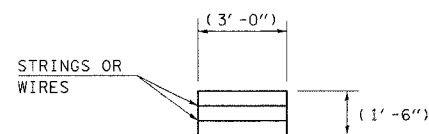
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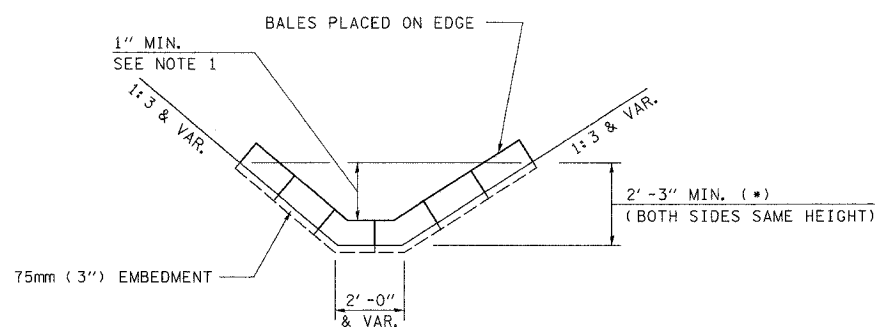
**MAINTENANCE OF TRAFFIC - STAGE 2
STA. 38+00 TO STA. 67+00**

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	56
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



ELEVATION - HAY OR STRAW BALE

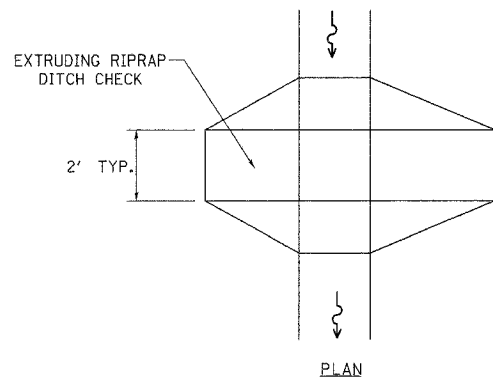


ELEVATION - DITCH CHECK

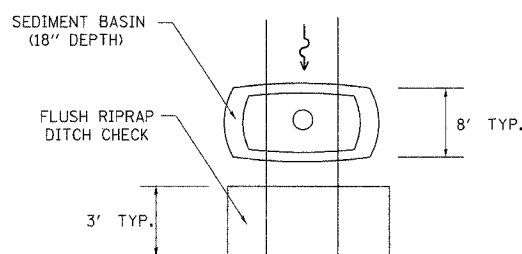
TEMPORARY DITCH CHECK - HAY OR STRAW BALE

(TYPICAL - SEE NOTE 3 AND DETAILS BELOW FOR SUBSTITUTE)

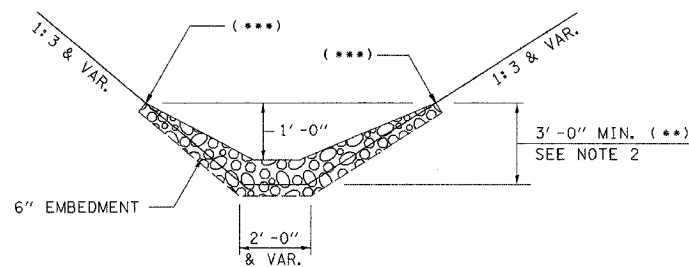
(*) BALES SHALL EXTEND FAR ENOUGH UP THE SLOPES TO ALLOW 1' OVERTOPPING TO AVOID ERODING AROUND THE EDGES OF THE BALES.



PLAN

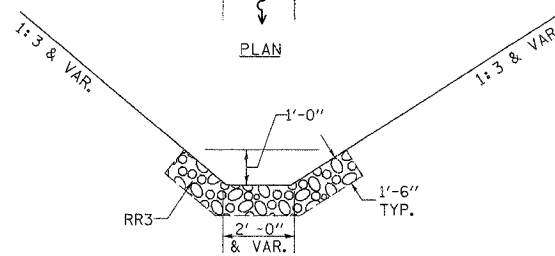


PLAN



ELEVATION

OPTION 1
(EXTRUDING DITCH CHECK)
RECOMMENDED FOR AREAS
W/ RIPRAP DITCH LINING



ELEVATION

OPTION 2
(FLUSH DITCH CHECK)
RECOMMENDED FOR AREAS
W/O RIPRAP DITCH LINING

TEMPORARY DITCH CHECK - STONE DUMPED RIPRAP

(OPTIONAL - SEE NOTES)

(**) RIPRAP SHALL EXTEND FAR ENOUGH UP THE SLOPES TO ALLOW 1' OVERTOPPING TO AVOID ERODING AROUND THE EDGES OF THE RIPRAP.

(***) ENDS SHALL BE TIED INTO SLOPES.

LEGEND FOR EROSION & SEDIMENT CONTROL

ITEM	SYMBOL
AGGREGATE (EROSION CONTROL) [STONE DUMPED RIPRAP DITCH CHECKS: Height = 2']	
TEMPORARY DITCH CHECKS (HAY OR STRAW BALE DITCH CHECKS OR APPROVED SUBSTITUTION)	
INLET PIPE PROTECTION (I&PP) (HAY OR STRAW BALE DITCH CHECKS OR APPROVED SUBSTITUTION)	
PERIMETER EROSION BARRIER	
EARTH EXCAVATION FOR EROSION CONTROL (SEDIMENT BASINS)	
PRESERVE EXISTING TREES, WOODLANDS, AND UNDERSTORY (OUTSIDE CONSTRUCTION LIMITS)	
ITEM PLACED AT BEGINNING OF CONSTRUCTION (Requirement)	
ITEM PLACED AS DIRECTED BY ENGINEER (When required by situation)	
EX DITCH SUMMIT	
PR DITCH SUMMIT	
EX FLOW LINE	
PR FLOW LINE	
PR SWALE	
EX SHEET FLOW	
PR SHEET FLOW	
PR RIP RAP	

NOTES:

- All items shall be constructed as shown on this sheet, on Standard 280001, and as directed by the Engineer.
- The symbology on the STORM WATER POLLUTION PREVENTION PLAN sheets does not represent the size or quantity of bales, for number of bales refer to details and notes shown on this sheet and/or as directed by the Engineer.
- The contractor shall install Temporary Ditch Checks as directed by the Engineer. If the Engineer elects to utilize Flush Riprap Ditch Checks in lieu of Temporary Ditch Checks as detailed herein, the spacing shall be double.

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EROSION & SEDIMENT CONTROL DETAILS

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	57
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

STORM WATER POLLUTION PREVENTION PLAN

ROUTE: FAU 7998 MARKED: CH 43 (EAST LAKE SHORE DRIVE)
 SECTION: 97-00030-06-WR
 COUNTY: SANGAMON CONTRACT NO.:

SEE SPECIAL PROVISIONS (FORM BDE 2342)

~~THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISION OF THE NPDES PERMIT NUMBER ILR10 _____ ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.~~

~~I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRE OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION SUBMITTED, IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.~~

~~_____
(DISTRICT ENGINEER)~~

~~_____
(DATE)~~

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES. THE CONTRACTOR SHALL ABIDE TO ALL REQUIREMENTS WITHIN THIS PLAN AS PART OF THE CONTRACT.

THE PURPOSE OF THIS PLAN IS TO PREVENT / MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF THE YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME; THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY EROSION CONTROL SYSTEMS AND TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THIS PLAN. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN SPECIAL DETAILS AND IN STANDARD 280001 OF THE PLANS.

THE SPECIAL PROVISIONS TEMPORARY SEEDING AND TEMPORARY EROSION CONTROL ADDITIONALLY SUPPLEMENT THIS PLAN.

ALL DISTURBED AREAS HAVING HIGH POTENTIAL FOR EROSION, AS DETERMINED BY THE ENGINEER, SHALL BE TEMPORARILY SEEDED OR PERMANENTLY SEEDED BY OCTOBER 1 OF EACH CONSTRUCTION YEAR, AND SHALL NOT BE REOPENED UNTIL AFTER THE WINTER SHUTDOWN PERIOD.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

1. THE PROPOSED PROJECT CONSISTS OF APPROXIMATE 1.3 MILES OF RECONSTRUCTION, WIDENING, AND RESURFACING
2. EAST LAKE SHORE DRIVE (CH 43) WILL BE RECONSTRUCTED/ WIDENED TO ACCOMMODATE LEFT TURN MOVEMENTS WITH ISOLATED LEFT TURN LANES AS WELL AS STRETCHES OF BI-DIRECTIONAL LEFT TURN LANES. PROPOSED ISOLATED AND BI-DIRECTIONAL LEFT TURN LANES ARE FOURTEEN FEET WIDE AND THE SINGLE THROUGH TRAVEL LANE IN EACH DIRECTION IS TWELVE FEET WIDE. THERE IS ALSO A PROPOSED FIVE FOOT BUFFER AREA ON THE OUTSIDE OF EACH THROUGH TRAVEL LANE WITH CCC&G, TYPE B-6.24. THE BUFFER AREA WILL MATCH THE PROPOSED PAVEMENT DESIGN AND ACT AS SUCH UNTIL CAPACITY OR OTHER FACTOR(S) FACILITATED THE NEED FOR ADDITIONAL THROUGH TRAFFIC LANES. IMPROVEMENTS ALONG EAST LAKE SHORE DRIVE (CH 43) ALSO INCLUDE AN ENCLOSED DRAINAGE SYSTEM, CONCRETE SIDEWALK, SIDE ROAD IMPROVEMENTS TO AT LEAST THE RADIUS RETURNS, PRIVATE AND COMMERCIAL ENTRANCE IMPROVEMENTS, AND A NEW TRAFFIC SIGNAL INSTALLATION AT THE ROCHESTER ROAD (CH 56) INTERSECTION. ROCHESTER ROAD (CH 56) WILL HAVE NEW PAVEMENT IN THE AREA OF THE REALIGNMENT AND THEN BE WIDENED AND RESURFACED ELSEWHERE. OTHER IMPROVEMENTS ON ROCHESTER ROAD (CH 56) INCLUDE EIGHT FOOT BITUMINOUS SHOULDERS AND ROAD SIDE DITCHES. STRIPING, SIGNING, SEEDING, AND OTHER MISCELLANEOUS ITEMS WILL COMPLETE THE OVERALL PROPOSED IMPROVEMENTS.

DESCRIPTION OF INTENDED SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB EARTH AND LEAD TO POSSIBLE EROSION FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

SEE STAGE CONSTRUCTION NARRATIVE IN THE MAINTENANCE OF TRAFFIC PLANS.

AREA OF CONSTRUCTION SITE:

APPROXIMATELY 16 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES.

DRAINAGE TRIBUTARIES RECEIVING WATER FROM THIS CONSTRUCTION SITE:

N/A

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EROSION & SEDIMENT CONTROL DETAILS

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	58
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

Description of Stabilization Practices at the Beginning of Construction:

- The area between the existing and proposed right-of-way/temporary easement boundaries and limits of the project will be improved and managed for the purposes of controlling erosion within the area, reducing water flow by temporary diversion and minimizing siltation into the construction zone, and establishing vegetative cover which will become permanent vegetation and act as an erosion barrier. Work at the beginning of construction will consist of the following:
 - Areas of existing vegetation (woods and grasslands) outside the proposed construction slope limits shall be identified for preserving and shall be protected from mowing, brush cutting, tree removal and other activities which would be detrimental to their maintenance and development.
 - Dead, diseased, or unsuitable vegetation within the site shall be removed as directed by the Engineer, along with required tree removal.
 - As soon as reasonable access is available (such as trees cleared) to all locations where water drains away from the project, sediment basins, riprap ditch checks, temporary ditch checks, and/or erosion control fence shall be installed as called out in this plan and directed by the Engineer.
 - Bare and sparsely vegetated ground in highly erodible areas as determined by the Engineer shall be temporarily seeded at the beginning of construction where no construction activities are immediately expected as stated in the special provision "Temporary Erosion Control Seeding".
 - Immediately after tree removal is completed in certain areas which are highly erodible areas as determined by the Engineer, the areas shall be temporarily seeded where no construction activities are immediately expected as stated in the special provision "Temporary Erosion Control Seeding".
 - At locations where a significant amount of water drains into the construction zone from outside areas (adjacent landowners), erosion control fence, temporary ditch checks, or riprap ditch checks will be utilized to locally divert water, reduce flow rates, and collect outside siltation inside the right-of-way line. Erosion control items will not be allowed to be installed to cause flooding to upstream private property which could cause crop damages or other undesirable conditions.
- Establishment of these temporary erosion control measures will have additional benefits to the project. Desirable grass seed will become established in these areas and will spread seeds onto the construction site until permanent seeding/mowing and overseeding can be complete.
- A third benefit of these filter areas is that they will begin to provide a screen and buffer. They will help protect the construction site from winds and excess sun and mitigate construction noise and dust.

Description of Stabilization Practices During Construction:

- During roadway construction, areas outside the construction slope limits as outlined previous herein shall be protected from damaging effects of construction. The Contractor shall not use this area for staging (except as designated on the plans or directed by the Engineer), parking of vehicles or construction equipment, storage of materials, or other construction related activities.
 - Within the construction zone, critical areas which have high flows of water as determined by the Engineer shall remain undisturbed until full scale construction is underway to prevent unnecessary soil erosion.
 - Top soil and earth stockpiles shall be temporarily seeded if they are to remain unused for more than fourteen days.
 - As the Contractor constructs a portion of roadway in a fill section, he/she shall follow the following steps as directed by the Engineer:
 - Place temporary erosion control systems at locations where water leaves and enters the construction zone
 - Temporary seed highly erodible areas outside the construction slope limits
 - Construct roadside ditches and provide temporary erosion control systems
 - Temporary divert water around proposed culvert locations
 - Build necessary embankment at culvert locations and then excavate and place culvert
 - Continue building up the embankment up the proposed grade while at the same time place permanent erosion control such as riprap ditch lining and conduct final shaping to the slopes
 - The Contractor shall immediately follow major earth moving operations with final grading equipment. After the major earth spread operation has moved to a new location, final grading shall be completed within fourteen days. If grading is not completed within fourteen days, all major earth moving operations will be stopped, as directed by the Engineer, until disturbed areas are final graded and seeded.
 - Excavated areas and embankments shall be permanently seeded when final graded. If not, they shall be temporarily seeded as stated in the special provision "Temporary Erosion Control Seeding".

(f) Construction equipment shall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or pollution run-off in compliance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.

(g) The Resident Engineer shall inspect the project daily during activities and weekly or after large rains during the winter shutdown period. The project shall additionally be inspected by the Construction Field Engineer on a bi-weekly basis to determine that erosion control efforts are in place and effective and if other control work is necessary.

(h) Sediment collected during construction by the various temporary erosion control systems shall be disposed of on the site on a regular basis as directed by the Engineer. The cost of this maintenance will be paid for in accordance with Article 109.04 of the Standard Specifications.

(i) The temporary erosion control systems shall be removed as directed by the Engineer after use is no longer needed or no longer functioning. The costs of this removal shall be included in the unit bid price for the temporary erosion control system. No additional compensation will be allowed.

Description of Structural Practices After Final Grading:

- Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas seeded and established with a proper stand.
- Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up, and disturbed turf reseeded. Temporary riprap ditch checks will be allowed to remain in place where approved by the Engineer.


Maintenance after Construction:

- Construction is complete after acceptance is received at the final inspection.
- Areas will be inspected on a regular basis by IDOT District 6 Bureau of Operations.
- Maintenance crews will perform regular mowings to aid in keeping weeds down and establishing a good roadside seed stand.
- Maintenance crews will also aid in any ditch lining maintenance or in any drainage problems.
- All maintenance will be conducted at times when weather conditions will not cause site damage.

DOCUMENTATION

- A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken in accordance with Section 4.b. shall be made and retained as part of the plan for at least three years after the date of inspection. The report shall be signed in accordance with part VI.G of the general permit.
- If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file an "Incident of Noncompliance (ION)" report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI.G. of the general permit. The report of noncompliance shall be mailed to the following address:

Illinois Environmental Protection Agency
 Division of Water Pollution Control
 2200 Churchill Road, P.O. Box 19276
 Springfield, IL 62794-9276
 Attn: Compliance Assurance Section

			
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EROSION & SEDIMENT CONTROL DETAILS			
DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	59
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

~~CONTRACTOR CERTIFICATION STATEMENT~~

This certification statement is part of the Storm Water Pollution Plan for the project described below in accordance with NPDES Permit No. ILR10 _____, issued by the Illinois Environmental Protection Agency on _____.

Route: FAU 7998 Marked: CH 43 (EAST LAKE SHORE DRIVE)

Section: 97-00030-06-WR Project No.: NA

County: Sangamon Contract No.: _____

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Signature _____ Date _____

Title _____

Name of Firm _____

Street Address _____

City, State, Zip _____

Phone Number _____

Note: ~~The above boxed in area shall be filled out by the Contractor after the award of the contract to obtain the required NPDES Permit from IEPA. This is a requirement for this contract.~~

SEE SPECIAL PROVISIONS (FORM BDE 2342A)

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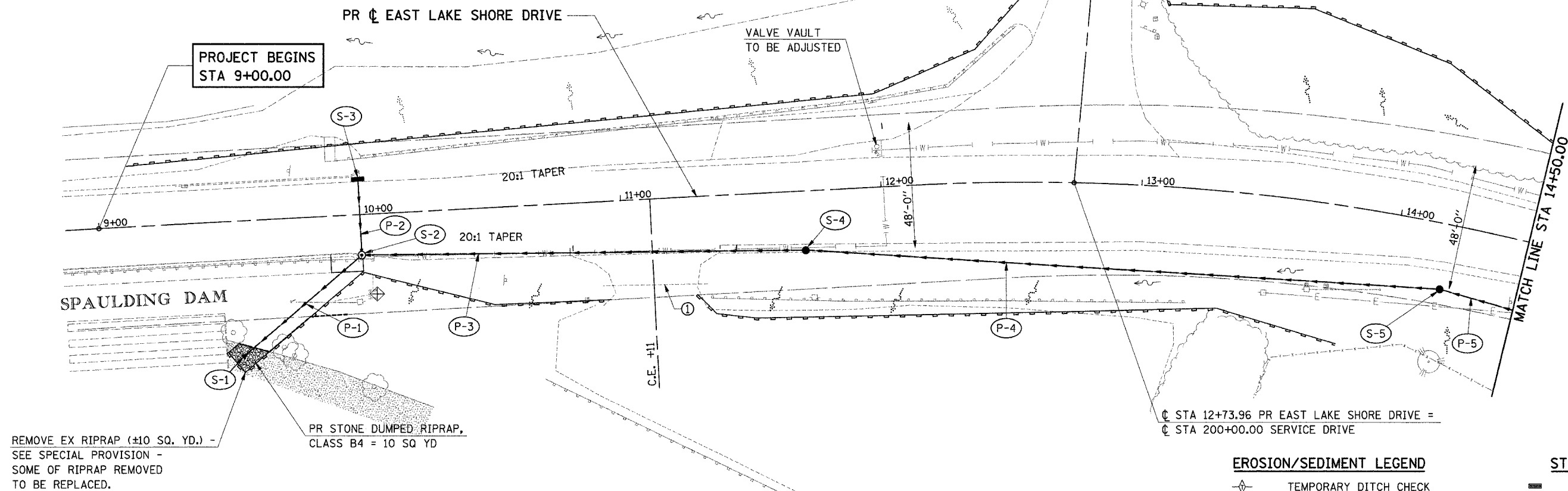
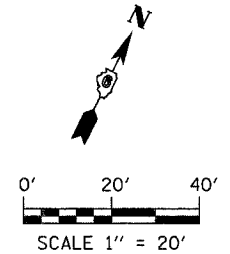
**EROSION & SEDIMENT
CONTROL DETAILS**

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	60
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

- (S-1) STA 9+53, 52.0' RT
PRECAST REINFORCED CONCRETE
FLARED END SECTIONS 18"
INV = 567.00
- (S-2) STA 10+00, 12.2' RT
RD MANHOLES, 5' DIA,
TYPE 3V FRAME & GRATE
EOP EL = 576.48
INV (E) = 572.50
INV (N) = 573.25
INV (SW) = 570.50
- (S-3) STA 10+00, 12.2' LT
INLETS, TYPE A,
TYPE 3V FRAME & GRATE
EOP EL = 576.48
INV (S) = 573.50
- (S-4) STA 11+70, 21.7' RT
RD CATCH BASIN, 3' DIA,
TYPE 3V FRAME & GRATE
EOP EL = 578.35
INV (E) = 574.75
INV (W) = 574.50
- (S-5) STA 14+20, 24.0' RT
RD CATCH BASIN, 3' DIA,
TYPE 3V FRAME & GRATE
EOP EL = 581.12
INV (E) = 578.00
INV (W) = 577.75
- (P-1) S-2 TO S-1 // 60' @ 5.30%
STORM SEWERS, CLASS A, TYPE 1 18"
- (P-2) S-3 TO S-2 // 25' @ 1.00%
STORM SEWERS, CLASS A, TYPE 1 12"
- (P-3) S-4 TO S-2 // 170' @ 1.18%
STORM SEWERS, CLASS A, TYPE 1 18"
- (P-4) S-5 TO S-4 // 243' @ 1.23%
STORM SEWERS, CLASS A, TYPE 2 15"
- (P-5) S-10 TO S-5 // 126' @ 2.38%
STORM SEWERS, CLASS A, TYPE 2 12"

NOTES:
① PIPE CULVERT REMOVAL (C.M.P 15'') = 40'



REMOVE EX RIPRAP (±10 SQ. YD.) -
SEE SPECIAL PROVISION -
SOME OF RIPRAP REMOVED
TO BE REPLACED.

LAKE SPRINGFIELD

EROSION/SEDIMENT LEGEND

- ◇ TEMPORARY DITCH CHECK
- ⊕ INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- ⇄ EX DITCH SUMMIT
- ⇄ PR DITCH SUMMIT
- ~ EX FLOW LINE
- ~ PR FLOW LINE
- PR SWALE
- EX SHEET FLOW
- PR SHEET FLOW
- ▨ PR RIP RAP

STORM LEGEND

- INLET
- CATCH BASIN
- MANHOLE
- STORM SEWER
- ◄ FLARED END SECTION

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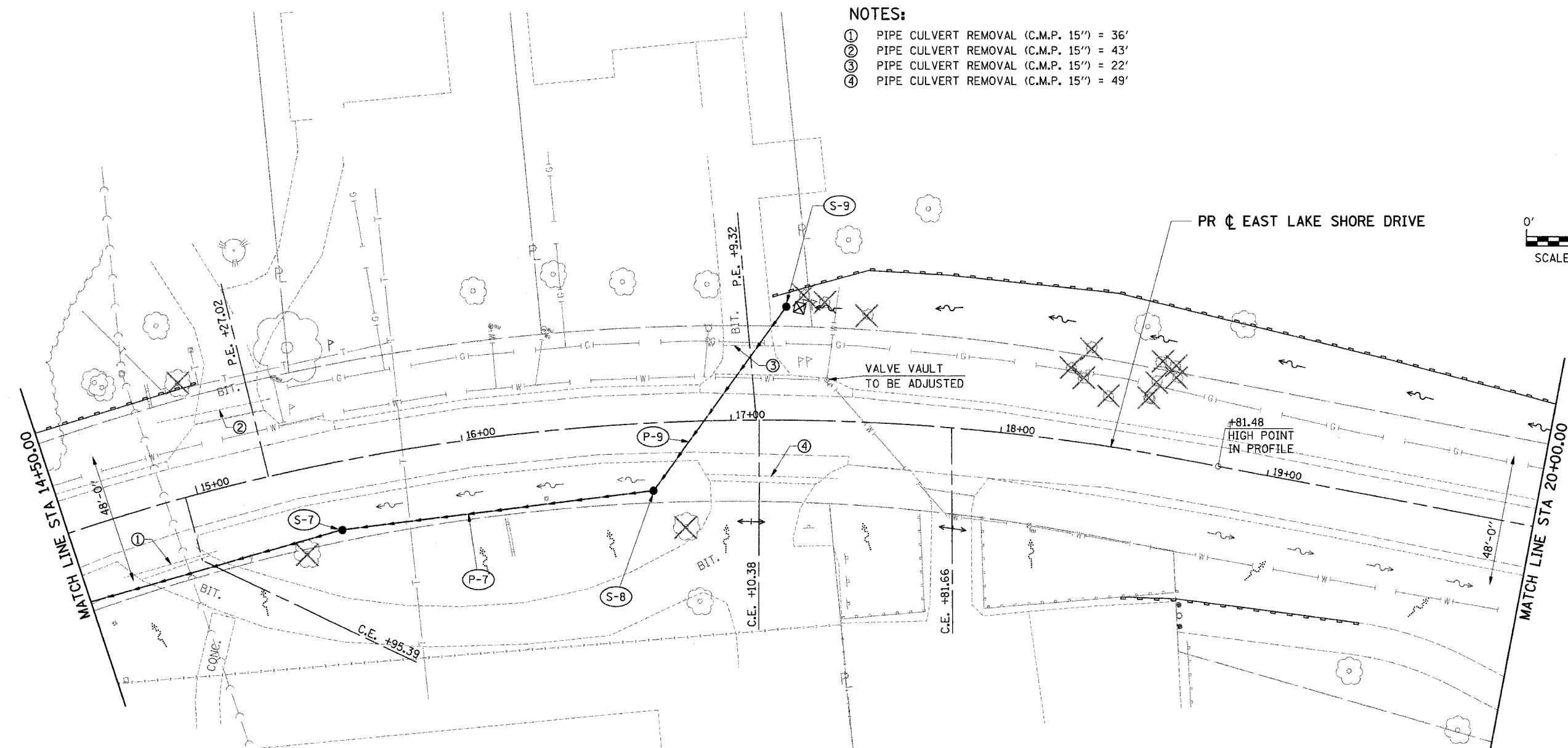
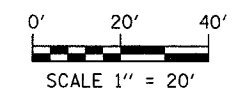
**DRAINAGE PLAN
STA 9+00 TO STA 14+50**

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	61
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

NOTES:

- ① PIPE CULVERT REMOVAL (C.M.P. 15") = 36'
- ② PIPE CULVERT REMOVAL (C.M.P. 15") = 43'
- ③ PIPE CULVERT REMOVAL (C.M.P. 15") = 22'
- ④ PIPE CULVERT REMOVAL (C.M.P. 15") = 49'



- ① STA 15+50, 24.0' RT RD CATCH BASIN, 3' DIA, TYPE 3V FRAME & GRATE
EOP EL = 584.14
INV (E) = 581.10
INV (W) = 581.00
- ② STA 16+70, 24.0' RT RD CATCH BASIN, 3' DIA, TYPE 3V FRAME & GRATE
EOP EL = 586.75
INV (NE) = 583.50
INV (W) = 583.40
- ③ STA 17+20, 42.0' LT CATCH BASIN, TYPE C (2' DIA.)
TYPE 8 GRATE
TOG EL = 587.40
INV (S) = 586.00
- ④ S-7 TO S-8 // 116' @ 1.98%
STORM SEWERS, CLASS A, TYPE 2 12"
- ⑤ S-8 TO S-9 // 80' @ 3.12%
STORM SEWERS, CLASS A, TYPE 1 12"

EROSION/SEDIMENT LEGEND

- ◇ TEMPORARY DITCH CHECK
- ⊕ INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- ↔ EX DITCH SUMMIT
- ↔ PR DITCH SUMMIT
- ~ EX FLOW LINE
- ~ PR FLOW LINE
- PR SWALE
- ~ EX SHEET FLOW
- ~ PR SHEET FLOW
- ▨ PR RIP RAP

STORM LEGEND

- INLET
- CATCH BASIN
- MANHOLE
- STORM SEWER
- ◀ FLARED END SECTION

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**DRAINAGE PLAN
STA 14+50 TO STA 20+00**

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	62
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

NOTES:

- ① PIPE CULVERT REMOVAL (R.C.P. 15") = 53'
- ② PIPE CULVERT REMOVAL (C.M.P. 15") = 36'
- ③ PIPE CULVERT REMOVAL (C.M.P. EQRS 12") = 41'

(S-10) STA 21+03, 48.7' LT INLETS, TYPE A, TYPE 3V FRAME & GRATE
EOP EL = 587.20
INV (S) = 585.20

(S-11) STA 20+70, 24.0' RT RD CATCH BASIN, 3' DIA, TYPE 3V FRAME & GRATE
EOP EL 587.69
INV (N) = 584.78
INV (E) = 584.68

(S-12) STA 22+80, 24.0' RT RD CATCH BASIN, 3' DIA, TYPE 3V FRAME & GRATE
EOP EL = 586.25
INV (E) = 583.00
INV (W) = 583.00

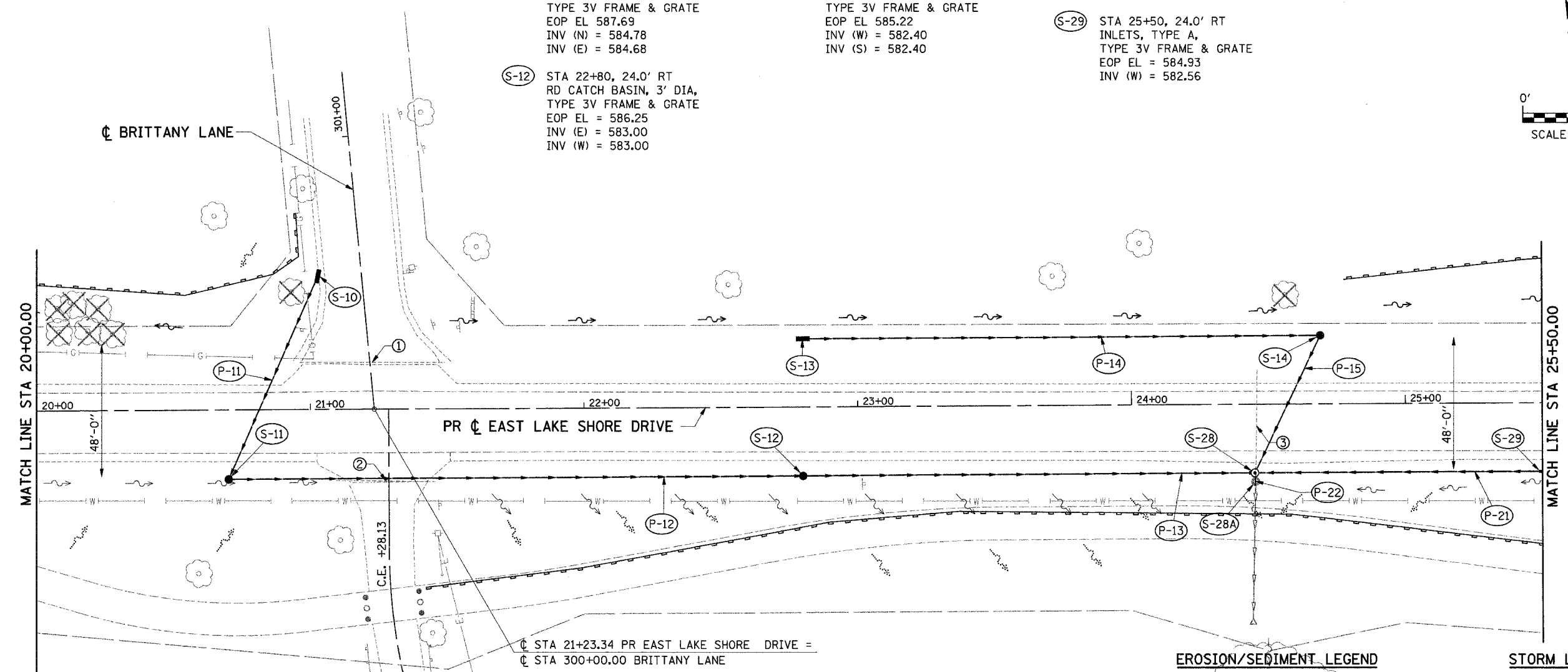
(S-13) STA 22+80, 24.0' LT INLETS, TYPE A, TYPE 3V FRAME & GRATE
EOP EL = 586.25
INV (E) = 583.70

(S-14) STA 24+69, 24.0' LT RD CATCH BASIN, 3' DIA, TYPE 3V FRAME & GRATE
EOP EL 585.22
INV (W) = 582.40
INV (S) = 582.40

(S-28) STA 24+45, 24.0' RT RD MANHOLES, 5'-DIA, TYPE 3V FRAME & GRATE
EOP EL = 585.30
INV (W) = 582.30
INV (E) = 582.30
INV (N) = 582.30
INV (S) = 582.20

(S-29) STA 25+50, 24.0' RT INLETS, TYPE A, TYPE 3V FRAME & GRATE
EOP EL = 584.93
INV (W) = 582.56

(S-28A) STA 24+45, 30' RT MANHOLES TO BE REMOVED



- (P-11) S-10 TO S-11 // 76' @ 0.55% STORM SEWERS, CLASS A, TYPE 1 12"
- (P-12) S-11 TO S-12 // 210' @ 0.80% STORM SEWERS, CLASS A, TYPE 1 12"
- (P-13) S-12 TO S-28 // 165' @ 0.42% STORM SEWERS, CLASS A, TYPE 1 12"
- (P-14) S-13 TO S-14 // 188' @ 0.70% STORM SEWERS, CLASS A, TYPE 1 12"

- (P-15) S-14 TO S-28 // 55' @ 0.20% STORM SEWERS, CLASS A, TYPE 1 12"
- (P-21) S-29 TO S-28 // 105' @ 0.34% STORM SEWERS, CLASS A, TYPE 1 12"
- (P-22) CONNECT S-28 TO EX 12" STORM SEWER OUTLET // 6' @ 0.50% STORM SEWERS, CLASS A, TYPE 1 12"

EROSION/SEDIMENT LEGEND

- ◇ TEMPORARY DITCH CHECK
- ◇ INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- ↔ EX DITCH SUMMIT
- ↔ PR DITCH SUMMIT
- EX FLOW LINE
- PR FLOW LINE
- PR SWALE
- EX SHEET FLOW
- PR SHEET FLOW
- ▨ PR RIP RAP

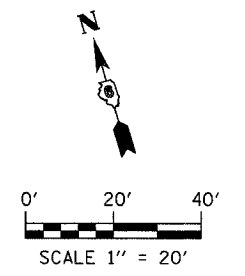
STORM LEGEND

- INLET
- CATCH BASIN
- MANHOLE
- STORM SEWER
- ◀ FLARED END SECTION

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**DRAINAGE PLAN
 STA 20+00 TO STA 25+50**

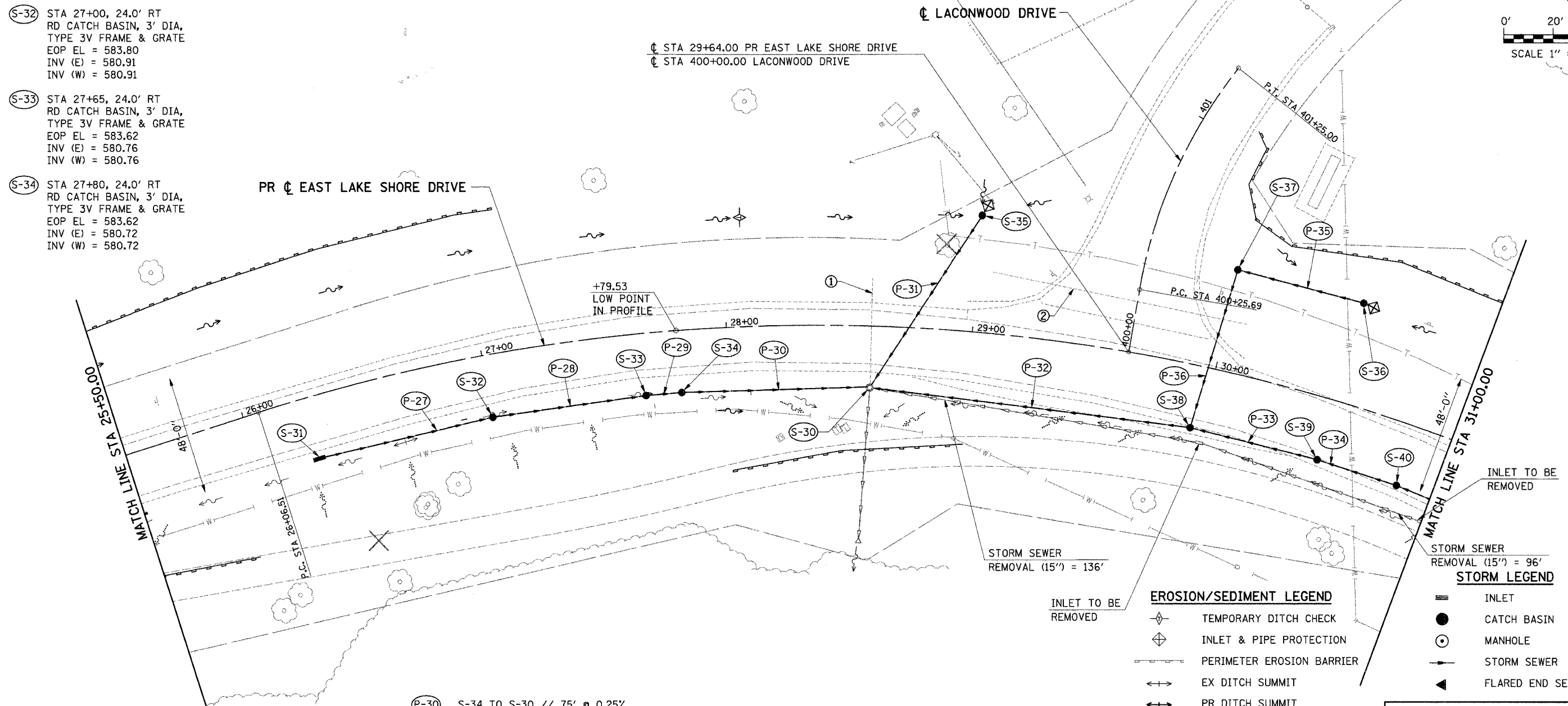
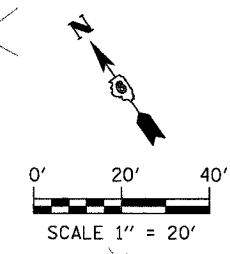
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	63
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

- (S-30) STA 28+59, 24.0' RT MANHOLES TO BE ADJUSTED w/ NEW TYPE 3V FRAME & GRATE
EOP EL = 583.81
INV (NW,SE) = 580.53
INV (NE) = 580.10
EX INV (SW) = 580.00
- (S-31) STA 26+25, 24.0' RT INLETS, TYPE A, TYPE 3V FRAME & GRATE
EOP EL = 584.24
INV (E) = 581.09
- (S-32) STA 27+00, 24.0' RT RD CATCH BASIN, 3' DIA, TYPE 3V FRAME & GRATE
EOP EL = 583.80
INV (E) = 580.91
INV (W) = 580.91
- (S-33) STA 27+65, 24.0' RT RD CATCH BASIN, 3' DIA, TYPE 3V FRAME & GRATE
EOP EL = 583.62
INV (E) = 580.76
INV (W) = 580.76
- (S-34) STA 27+80, 24.0' RT RD CATCH BASIN, 3' DIA, TYPE 3V FRAME & GRATE
EOP EL = 583.62
INV (E) = 580.72
INV (W) = 580.72
- (S-35) STA 29+00, 46.2' LT CATCH BASIN, TYPE C (2' DIA) TYPE 8 GRATE
TOG EL = 583.70
INV = 582.00
- (S-36) STA 30+50, 43.8' LT CATCH BASIN, TYPE C (2' DIA) TYPE 8 GRATE
TOG EL = 585.00
INV = 583.30
- (S-37) STA 30+00, 38.7' LT RD CATCH BASIN, 3' DIA, TYPE 3V FRAME & GRATE
EOP EL = 586.50
INV (SW) = 582.70
INV (SE) = 582.80
- (S-38) STA 29+95, 24.0' RT RD MANHOLE, 4' DIA, TYPE 3V FRAME & GRATE
EOP EL = 584.61
INV (NW) = 581.40
INV (NE, SE) = 581.65
- (S-39) STA 30+50, 24.0' RT RD CATCH BASIN, 3' DIA, TYPE 3V FRAME & GRATE
EOP EL = 584.94
INV (W) = 582.16
INV (E) = 582.16
- (S-40) STA 30+85, 24.0' RT RD CATCH BASIN, 3' DIA, TYPE 3V FRAME & GRATE
EOP EL = 585.15
INV = 582.50

- NOTES:**
- ① PIPE CULVERT REMOVAL (C.M.P. 18") = 46'
 - ② PIPE CULVERT REMOVAL (R.C.P. 15") = 106'



- (P-27) S-31 TO S-32 // 72' @ 0.50%
STORM SEWERS, CLASS A, TYPE 1 12"
- (P-28) S-32 TO S-33 // 63' @ 0.25%
STORM SEWERS, CLASS A, TYPE 1 12"
- (P-29) S-33 TO S-34 // 15' @ 0.25%
STORM SEWERS, CLASS A, TYPE 1 12"
- (P-30) S-34 TO S-30 // 75' @ 0.25%
STORM SEWERS, CLASS A, TYPE 1 12"
- (P-31) S-35 TO S-30 // 80' @ 2.37%
STORM SEWERS, CLASS A, TYPE 1 12"
- (P-32) S-38 TO S-30 // 132' @ 0.66%
STORM SEWERS, CLASS A, TYPE 1 15"
- (P-33) S-39 TO S-38 // 53' @ 0.94%
STORM SEWERS, CLASS A, TYPE 1 18"
- (P-34) S-40 TO S-39 // 34' @ 1.00%
STORM SEWERS, CLASS A, TYPE 1 12"
- (P-35) S-36 TO S-37 // 50' @ 1.00%
STORM SEWERS, CLASS A, TYPE 1 12"
- (P-36) S-37 TO S-38 // 66' @ 1.59%
STORM SEWERS, CLASS A, TYPE 1 12"

- EROSION/SEDIMENT LEGEND**
- ◇ TEMPORARY DITCH CHECK
 - ◇ INLET & PIPE PROTECTION
 - PERIMETER EROSION BARRIER
 - ↔ EX DITCH SUMMIT
 - ↔ PR DITCH SUMMIT
 - EX FLOW LINE
 - PR FLOW LINE
 - PR SWALE
 - EX SHEET FLOW
 - PR SHEET FLOW
 - PR RIP RAP

- STORM SEWER REMOVAL (15") = 96'**
- STORM LEGEND**
- INLET
 - CATCH BASIN
 - MANHOLE
 - STORM SEWER
 - ▲ FLARED END SECTION

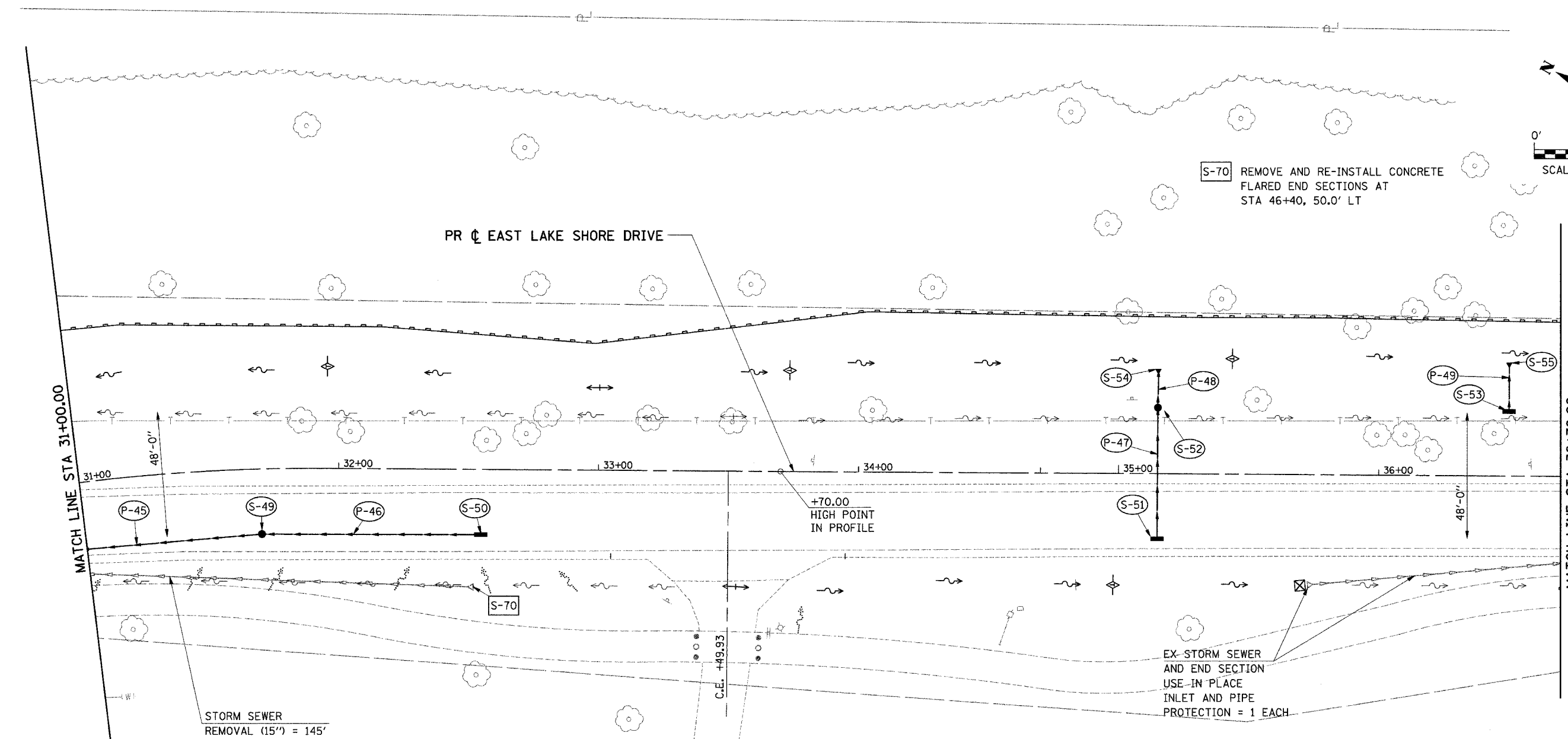
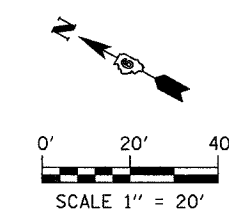
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DRAINAGE PLAN
STA 25+50 TO STA 31+00

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	64
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



- (S-49) STA 31+70, 24.0' RT RD CATCH BASIN, 3' DIA, TYPE 3V FRAME & GRATE
EOP EL = 585.80
INV (E) = 582.90
INV (W) = 582.90
- (S-50) STA 32+55, 24.0' RT INLETS, TYPE A, TYPE 3V FRAME & GRATE
EOP EL = 586.77
INV (W) = 583.75
- (S-45) STA 31+00, 24.0' RT INLETS, TYPE A, TYPE 3V FRAME & GRATE
EOP EL = 586.57
INV (NE) = 583.85
- (S-46) STA 32+00, 24.0' LT RD CATCH BASIN, 3' DIA TYPE 3V FRAME & GRATE
EOP EL = 586.57
INV (SW, NE) = 583.60
- (S-49) STA 35+15, 24.0' LT RD CATCH BASIN, 3' DIA TYPE 3V FRAME & GRATE
EOP EL = 586.57
INV (SW, NE) = 583.60
- (S-53) STA 36+50, 24.0' LT INLETS, TYPE A, TYPE 3V FRAME & GRATE
EOP EL = 585.41
INV (NE) = 582.70
- (S-54) STA 35+15, 40.4' LT PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 12" INV = 583.52
- (S-55) STA 36+50, 43.1' LT PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 12" INV = 582.60
- (P-45) S-49 TO S-40 // 82' @ 0.50% STORM SEWERS, CLASS A, TYPE 1 12"
- (P-46) S-50 TO S-49 // 84' @ 1.00% STORM SEWERS, CLASS A, TYPE 1 12"
- (P-47) S-51 TO S-52 // 50' @ 0.50% STORM SEWERS, CLASS A, TYPE 1 12"
- (P-48) S-52 TO S-54 // 8' @ 0.50% STORM SEWERS, CLASS A, TYPE 1 12"
- (P-49) S-53 TO S-55 // 11' @ 0.50% STORM SEWERS, CLASS A, TYPE 1 12"

EROSION/SEDIMENT LEGEND

- ◇ TEMPORARY DITCH CHECK
- ⊕ INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- ↔ EX DITCH SUMMIT
- ↔ PR DITCH SUMMIT
- EX FLOW LINE
- PR FLOW LINE
- PR SWALE
- ... EX SHEET FLOW
- ... PR SHEET FLOW
- ▣ PR RIP RAP

STORM LEGEND

- INLET
- CATCH BASIN
- MANHOLE
- STORM SEWER
- ◀ FLARED END SECTION

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DRAINAGE PLAN
STA 31+00 TO STA 36+70

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	65
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

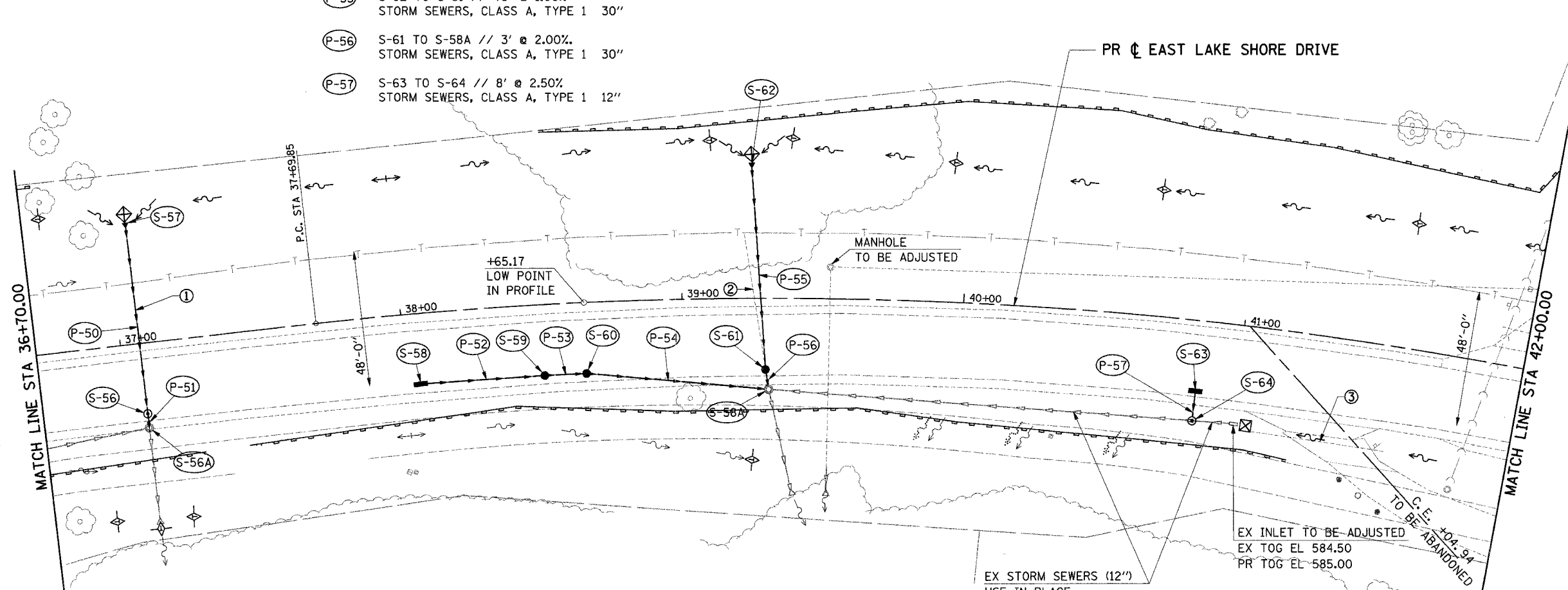
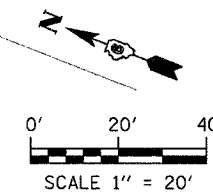
NOTES:

- ① PIPE CULVERT REMOVAL (R.C.P. 15") - 53'
- ② PIPE CULVERT REMOVAL (R.C.P. 21") - 56'
- ③ PIPE CULVERT REMOVAL (R.C.P. 15") - 48'

- (P-50) S-57 TO S-56 // 61' @ 0.85%
STORM SEWERS, CLASS A, TYPE 1 30"
- (P-51) S-56 TO S-56A // 1' @ 1.00%
STORM SEWERS, CLASS A, TYPE 1 30"
- (P-52) S-58 TO S-59 // 45' @ 1.00%
STORM SEWERS, CLASS A, TYPE 1 12"
- (P-53) S-59 TO S-60 // 15' @ 1.00%
STORM SEWERS, CLASS A, TYPE 1 12"
- (P-54) S-60 TO S-58A // 65' @ 1.50%
STORM SEWERS, CLASS A, TYPE 1 12"
- (P-55) S-62 TO S-61 // 78' @ 1.00%
STORM SEWERS, CLASS A, TYPE 1 30"
- (P-56) S-61 TO S-58A // 3' @ 2.00%
STORM SEWERS, CLASS A, TYPE 1 30"
- (P-57) S-63 TO S-64 // 8' @ 2.50%
STORM SEWERS, CLASS A, TYPE 1 12"

(S-56A) STA 37+07, 30' RT
MANHOLE TO BE ADJUSTED
INV (NE) = 580.81

(S-58A) STA 39+31, 30' RT
MANHOLE TO BE ADJUSTED
INV (NE) = 577.94
INV (N) = 579.42



(S-56) STA 37+07, 24.0' RT
RD MANHOLES, 5'-DIA,
TYPE 3V FRAME & GRATE
EOP EL = 584.88
INV (E) = 580.82
INV (W) = 580.82

(S-57) STA 37+07, 44.5' LT
PRECAST REINFORCED CONCRETE
FLARED END SECTIONS 30"
INV = 581.40

(S-58) STA 38+05, 24.0' RT
INLETS, TYPE A,
TYPE 3V FRAME & GRATE
EOP EL = 583.72
INV (S) = 581.00

(S-59) STA 38+50, 24.0' RT
RD CATCH BASIN, 3' DIA,
TYPE 3V FRAME & GRATE
EOP EL = 583.55
INV (N) = 580.55
INV (S) = 580.55

(S-60) STA 38+65, 24.0' RT
RD CATCH BASIN, 3'-DIA,
TYPE 3V FRAME & GRATE
EOP EL = 583.54
INV (N) = 580.40
INV (S) = 580.40

(S-61) STA 39+30, 24.0' RT
RD CATCH BASIN, 3' DIA.,
TYPE 3V FRAME & GRATE
EOP EL = 583.70
INV (W) = 578.00
INV (E) = 578.00

(S-62) STA 39+25, 60.4' LT
PRECAST REINFORCED CONCRETE
FLARED END SECTIONS 30"
INV = 578.85

(S-63) STA 40+85, 24.0' RT
INLETS, TYPE A,
TYPE 3V FRAME & GRATE
EOP EL = 585.38
INV (W) = 582.40

(S-64) STA 40+85, 35.0' RT
RD MANHOLES, 4' DIA.,
TYPE 1 FRAME, CLID
RIM EL = 586.00
INV (W) = 582.20
INV (N, S) = 582.10
CONNECT TO EX 12" SS

EROSION/SEDIMENT LEGEND

- ⊕ TEMPORARY DITCH CHECK
- ⊕ INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- ↔ EX DITCH SUMMIT
- ↔ PR DITCH SUMMIT
- EX FLOW LINE
- PR FLOW LINE
- PR SWALE
- EX SHEET FLOW
- PR SHEET FLOW
- ▨ PR RIP RAP

STORM LEGEND

- INLET
- CATCH BASIN
- ⊕ MANHOLE
- STORM SEWER
- ◀ FLARED END SECTION

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**DRAINAGE PLAN
STA 36+70 TO STA 42+00**

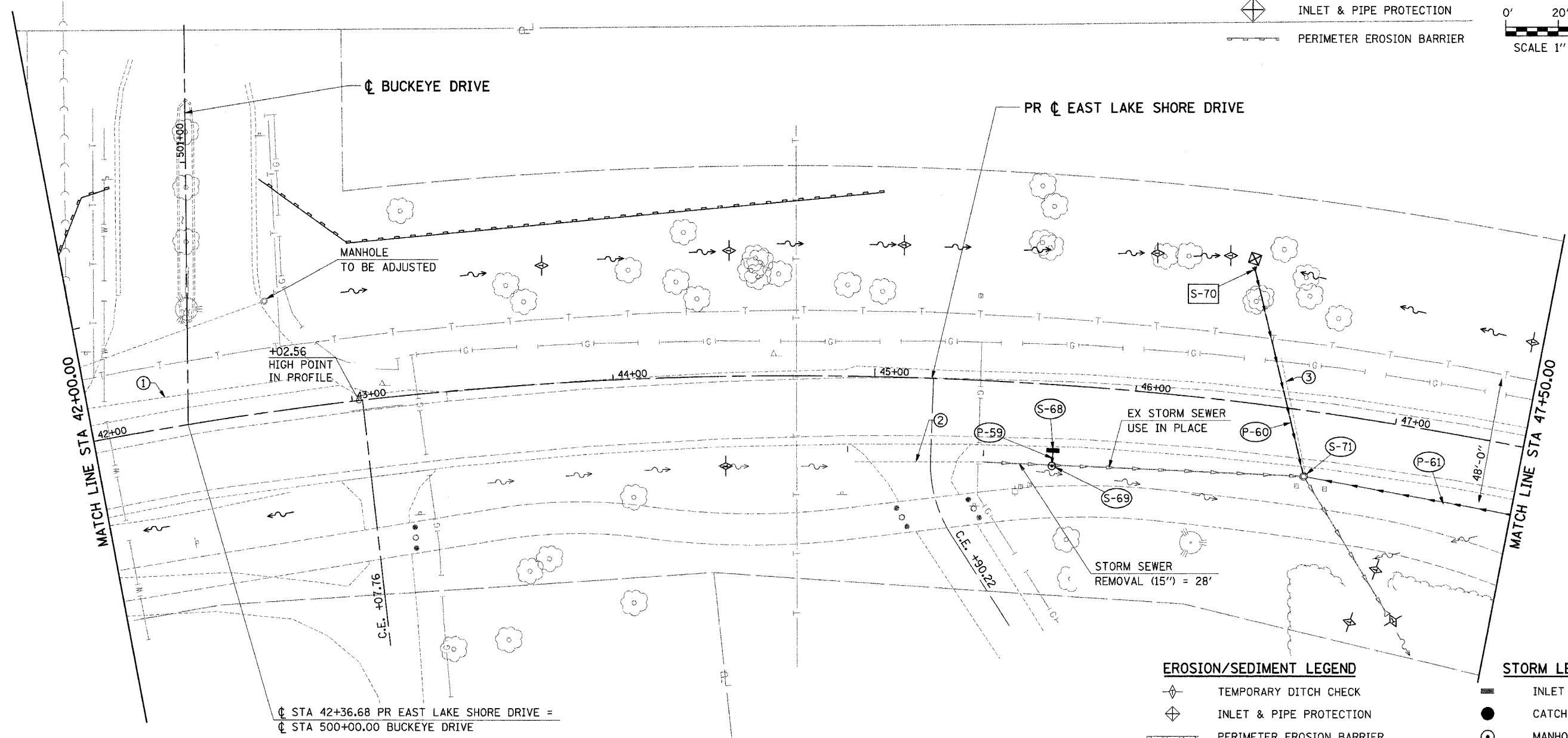
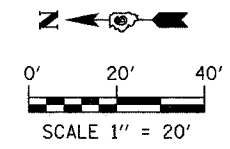
DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	66
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

- (P-59) S-68 TO S-69 // 4' @ 1.25%
STORM SEWERS, CLASS A, TYPE 1 12"
- (P-60) S-70 TO S-71 // 72' @ 3.00%
STORM SEWERS, CLASS A, TYPE 2 15"
- (P-61) S-75 TO S-71 // 118' @ 0.50%
STORM SEWERS, CLASS A, TYPE 1 15"

EROSION/SEDIMENT LEGEND

- TEMPORARY DITCH CHECK
- INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER



☐ STA 42+36.68 PR EAST LAKE SHORE DRIVE =
☐ STA 500+00.00 BUCKEYE DRIVE

EROSION/SEDIMENT LEGEND

- TEMPORARY DITCH CHECK
- INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- EX DITCH SUMMIT
- PR DITCH SUMMIT
- EX FLOW LINE
- PR FLOW LINE
- PR SWALE
- EX SHEET FLOW
- PR SHEET FLOW
- PR RIP RAP

STORM LEGEND

- INLET
- CATCH BASIN
- MANHOLE
- STORM SEWER
- FLARED END SECTION

NOTES:

- ① PIPE CULVERT REMOVAL (C.M.P. 15") - 108'
- ② PIPE CULVERT REMOVAL (R.C.P. 8") - 50'
- ③ PIPE CULVERT REMOVAL (R.C.P. 15") - 46'

- (S-68) STA 45+70, 24.0' RT INLETS, TYPE A, TYPE 3V FRAME & GRATE
EOP EL 584.07
INV (W) = 582.25
- (S-69) STA 45+70, 31.5' RT RD MANHOLES, 4' DIA, TYPE 1 FRAME, CLID RIM EL 584.80
INV (N, S, E) = 582.20
CONNECT TO EX 12" SS

- (S-70) STA 46+40, 50.0' LT REMOVE AND RE-INSTALL CONCRETE FLARED END SECTIONS
INV = 580.45
(END SECTION TAKEN FROM STA 32+50, 45' RT)
- (S-71) STA 46+68, 25.0' RT MANHOLES TO BE ADJUSTED w/ NEW TYPE 3V FRAME & GRATE
EOP EL = 582.44
EX INV (N) = 579.20
INV (E, S) = 578.10
EX INV (W) = 578.00

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**DRAINAGE PLAN
STA 42+00 TO STA 47+50**

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	67
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

(S-75) STA 47+88, 24.0' RT
RD CATCH BASIN, 3' DIA,
TYPE 3V FRAME & GRATE
EOP EL = 581.74
INV (S) = 578.80
INV (N) = 578.70

(S-76) STA 48+03, 24.0' RT
RD CATCH BASIN, 3' DIA,
TYPE 3V FRAME & GRATE
EOP EL = 581.75
INV (S) = 579.00
INV (N) = 578.90

(S-77) STA 49+00, 24.0' RT
INLETS, TYPE A,
TYPE 3V FRAME & GRATE
EOP EL = 582.23
INV (N) = 579.50

(S-78) STA 50+30, 24.0' RT
INLETS, TYPE A,
TYPE 3V FRAME & GRATE
EOP EL = 583.03
INV (S) = 579.00

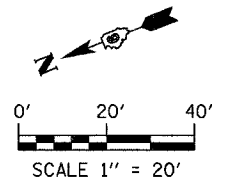
(S-79) STA 50+30, 29.5' RT
RD MANHOLES, 4' DIA,
TYPE 1 FRAME, CLID
RIM EL = 583.60
INV (E) = 578.90
INV (S) = 578.72
CONNECT TO EX 12" SS

(S-80) STA 51+04, 24.0' RT
MANHOLES TO BE ADJUSTED w/
NEW TYPE 3V FRAME & GRATE
EOP EL = 583.48
EX INV (NE, SW) = 577.00
INV (E) = 575.10
EX INV (W) = 575.00

(S-81) STA 50+55, 70.6' LT
PRECAST REINFORCED CONCRETE
FLARED END SECTIONS 24"
INV (W) = 577.00

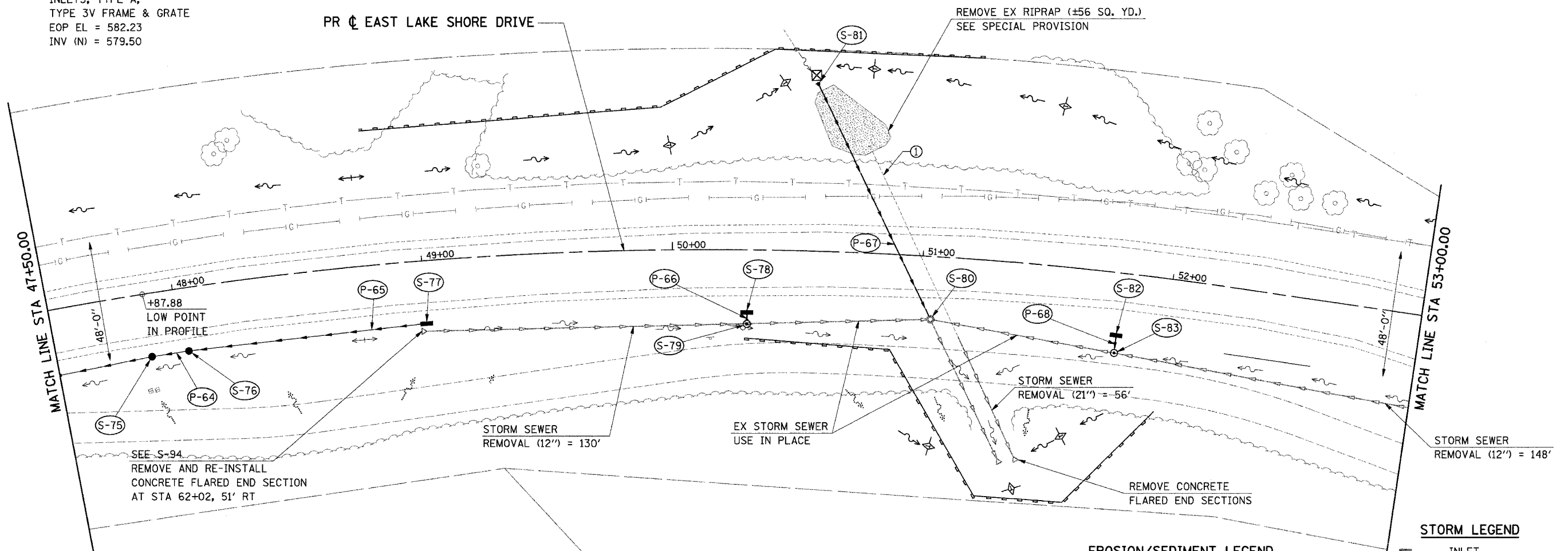
(S-82) STA 51+80, 24.0' RT
INLETS, TYPE A,
TYPE 3V FRAME & GRATE
EOP EL = 583.95
INV (W) = 579.34

(S-83) STA 51+80, 29.7' RT
RD MANHOLES, 4' DIA,
TYPE 1 FRAME, CLID
RIM EL = 584.90
INV (E) = 579.24
INV (S) = 579.14
CONNECT TO EX 12" SS



NOTES:

- ① PIPE CULVERT REMOVAL (R.C.P 21") = 84'



(P-64) S-76 TO S-75 // 15' @ 0.67%
STORM SEWERS, CLASS A, TYPE 1 12"

(P-65) S-77 TO S-76 // 95' @ 0.53%
STORM SEWERS, CLASS A, TYPE 1 12"

(P-66) S-78 TO S-79 // 2' @ 5.00%
STORM SEWERS, CLASS A, TYPE 2 12"

(P-67) S-81 TO S-80 // 102' @ 1.73%
STORM SEWERS, CLASS A, TYPE 2 24"

(P-68) S-82 TO S-83 // 4' @ 2.50%
STORM SEWERS, CLASS A, TYPE 2 12"

EROSION/SEDIMENT LEGEND

- ◆ TEMPORARY DITCH CHECK
- ⊕ INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- ↔ EX DITCH SUMMIT
- ↔ PR DITCH SUMMIT
- EX FLOW LINE
- PR FLOW LINE
- PR SWALE
- EX SHEET FLOW
- PR SHEET FLOW
- ▨ PR RIP RAP

STORM LEGEND

- ◆ INLET
- CATCH BASIN
- MANHOLE
- STORM SEWER
- ◄ FLARED END SECTION

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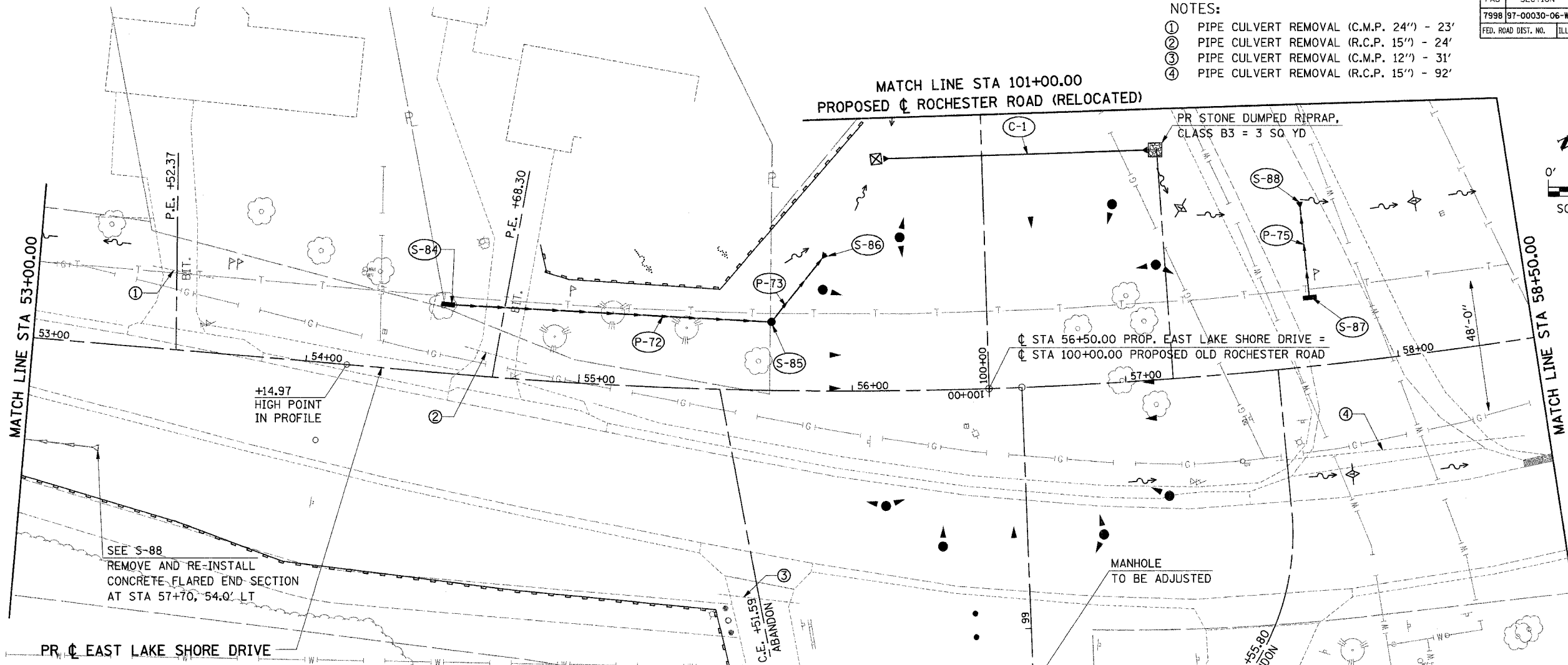
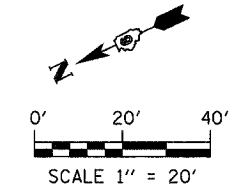
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**DRAINAGE PLAN
STA 47+50 TO STA 53+00**

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	68
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

- NOTES:
- ① PIPE CULVERT REMOVAL (C.M.P. 24") - 23'
 - ② PIPE CULVERT REMOVAL (R.C.P. 15") - 24'
 - ③ PIPE CULVERT REMOVAL (C.M.P. 12") - 31'
 - ④ PIPE CULVERT REMOVAL (R.C.P. 15") - 92'



- (S-84) STA 54+50, 24.0' LT INLETS, TYPE A, TYPE 3V FRAME & GRATE
EOP EL = 585.20
INV (S) = 582.35
- (S-85) STA 55+70, 24.0' LT RD CATCH BASIN, 3' DIA, TYPE 3V FRAME & GRATE
EOP EL = 584.48
INV (N) = 581.45
INV (S) = 581.45
- (S-86) STA 55+90, 50.0' LT PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"
INV (W) = 580.75
- (S-87) STA 57+70, 24.0' LT INLETS, TYPE A, TYPE 3V FRAME & GRATE
EOP EL = 582.59
INV (E) = 578.70
- (S-88) STA 57+70, 54.0' LT PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"
INV (W) = 578.14
(END SECTION TAKEN FROM STA 53+25, 38' RT)
- (P-72) S-84 TO S-85 // 118' @ 0.76% STORM SEWERS, CLASS A, TYPE 1 12"
- (P-73) S-85 TO S-86 // 26' @ 2.20% STORM SEWERS, CLASS A, TYPE 1 15"
- (P-75) S-87 TO S-88 // 22' @ 2.00% STORM SEWERS, CLASS A, TYPE 1 12"
- (C-1) STA 56+12.3, 84.6' LT TO STA 57+13.8, 83.8' LT PIPE CULVERTS, CLASS A, TYPE 1 24" - 84" @ 0.52% PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" - 2 EACH
INV 579.00 @ 84.6' LT, STA 56+12.3
INV 578.50 @ 83.8' LT, STA 57+13.8

- EROSION/SEDIMENT LEGEND**
- ◇ TEMPORARY DITCH CHECK
 - ◇ INLET & PIPE PROTECTION
 - PERIMETER EROSION BARRIER
 - EX DITCH SUMMIT
 - PR DITCH SUMMIT
 - EX FLOW LINE
 - PR FLOW LINE
 - PR SWALE
 - EX SHEET FLOW
 - PR SHEET FLOW
 - PR RIP RAP

- STORM LEGEND**
- INLET
 - CATCH BASIN
 - MANHOLE
 - STORM SEWER
 - ▲ FLARED END SECTION

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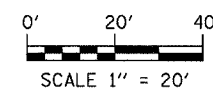
DRAINAGE PLAN
STA 53+00 TO STA 58+50

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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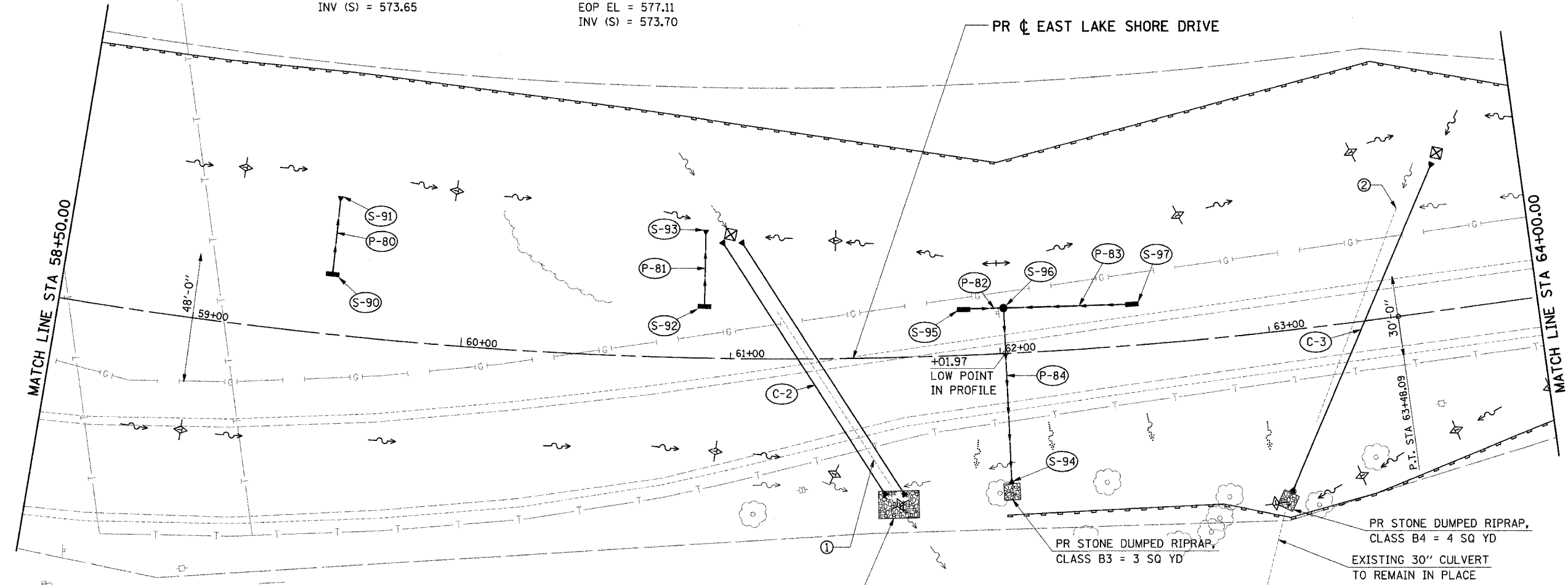
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	69
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

NOTES:

- ① PIPE CULVERT REMOVAL (R.C.P. 24") - 78'
- ② PIPE CULVERT REMOVAL (R.C.P. 30") - 84'



- (S-90) STA 59+50, 21.0' LT INLETS, TYPE A, TYPE 3V FRAME & GRATE
EOP EL = 579.90
INV (E) = 575.80
- (S-91) STA 59+50, 51.0' LT PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"
INV = 575.25
- (S-92) STA 60+90, 17.9' LT INLETS, TYPE A, TYPE 3V FRAME & GRATE
EOP EL = 577.77
INV (S) = 573.65
- (S-93) STA 60+90, 47.2' LT PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"
INV = 573.10
- (S-94) STA 62+02, 51.0' RT PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"
INV = 572.70
(END SECTION TAKEN FROM STA 49+00, 28' RT)
- (S-95) STA 61+87, 15.7' LT INLETS, TYPE A, TYPE 3V FRAME & GRATE
EOP EL = 577.11
INV (S) = 573.70
- (S-96) STA 62+02, 15.4' LT RD MANHOLE, 4' DIA, TYPE 3V FRAME & GRATE
EOP EL = 577.10
INV (S) = 573.50
INV (N) = 573.50
INV (W) = 573.40
- (S-97) STA 62+50, 14.3' LT INLETS, TYPE A, TYPE 3V FRAME & GRATE
EOP EL = 577.27
INV (N) = 574.00



- (C-2) STA 61+00, 43.0' LT TO STA 61+60, 51.0' RT
2 - PIPE CULVERTS, CLASS A, TYPE 1 EORS 42" - 96" @ 0.85% EACH RUN
PRECAST REINFORCED CONCRETE
FLARED END SECTIONS EORS 42" - 4 EACH
USFL 572.95 @ 43.1' LT, STA 60+96.2
DSFL 572.00 @ 51.1' RT, STA 61+56.7
USFL 572.95 @ 43.3' LT, STA 61+03.6
DSFL 572.00 @ 51.3' RT, STA 61+63.6
- (C-3) STA 63+02, 59.6' RT TO STA 63+68, 54.5' LT
PIPE CULVERTS, CLASS A, TYPE 2 30" - 120" @ 0.76%
PRECAST REINFORCED CONCRETE
FLARED END SECTIONS 30" - 2 EACH
USFL 571.50 @ 54.5' LT, STA 63+68.0
DSFL 570.50 @ 59.6' RT, STA 63+02.0

- (P-80) S-90 TO S-91 // 22' @ 2.00%
STORM SEWERS, CLASS A, TYPE 1 12"
- (P-81) S-92 TO S-93 // 22' @ 2.00%
STORM SEWERS, CLASS A, TYPE 1 12"
- (P-82) S-95 TO S-96 // 15' @ 1.33%
STORM SEWERS, CLASS A, TYPE 2 12"
- (P-83) S-97 TO S-96 // 48' @ 1.04%
STORM SEWERS, CLASS A, TYPE 2 12"
- (P-84) S-96 TO S-94 // 60' @ 1.05%
STORM SEWERS, CLASS A, TYPE 2 12"

EROSION/SEDIMENT LEGEND

- ◇ TEMPORARY DITCH CHECK
- ⊕ INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- ↔ EX DITCH SUMMIT
- ↔ PR DITCH SUMMIT
- EX FLOW LINE
- PR FLOW LINE
- PR SWALE
- EX SHEET FLOW
- PR SHEET FLOW
- ▨ PR RIP RAP

STORM LEGEND

- ▬ INLET
- CATCH BASIN
- MANHOLE
- STORM SEWER
- ◀ FLARED END SECTION

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**DRAINAGE PLAN
STA 58+50 TO STA 64+00**

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	70
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

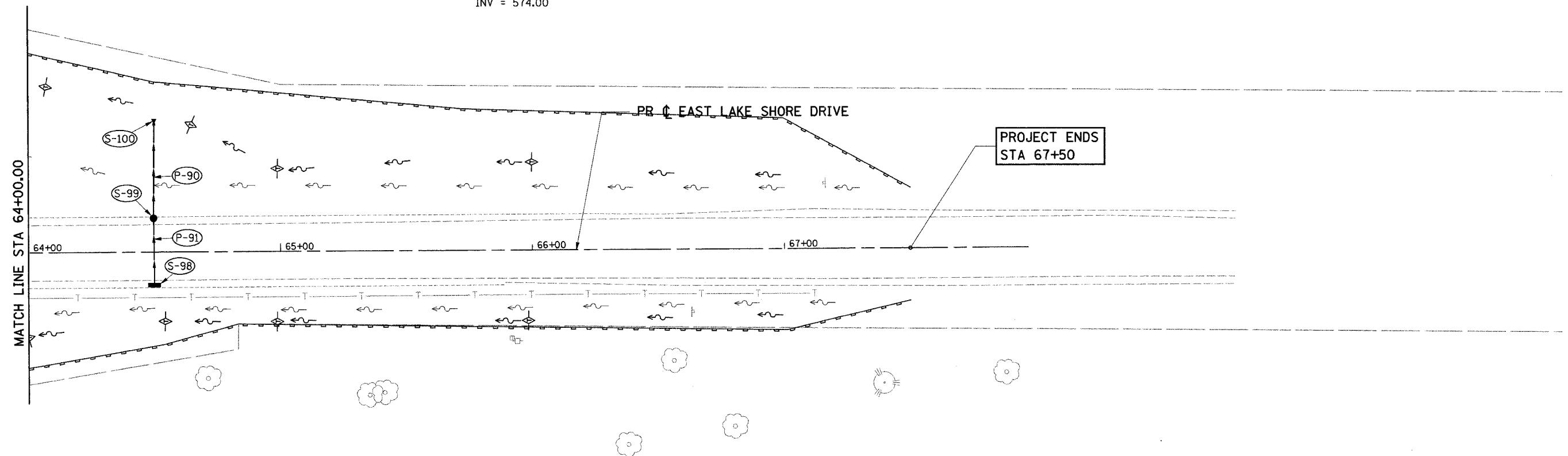
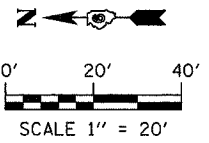
(S-98) STA 64+50, 12.0' RT
INLETS, TYPE A,
TYPE 3V FRAME & GRATE
EOP EL = 581.08
INV (E) = 577.50

(S-99) STA 64+50, 12.0' LT
RD CATCH BASIN, 3' DIA,
TYPE 3V FRAME & GRATE
EOP EL = 581.02
INV (W) = 577.00
INV (E) = 575.00

(S-100) STA 64+50, 56.2' LT
PRECAST REINFORCED CONCRETE
FLARED END SECTIONS 12"
INV = 574.00

(P-90) S-99 TO S-100 // 36' @ 2.38%
STORM SEWERS, CLASS A, TYPE 2 12"

(P-91) S-98 TO S-99 // 24' @ 2.08%
STORM SEWERS, CLASS A, TYPE 2 12"



EROSION/SEDIMENT LEGEND

- TEMPORARY DITCH CHECK
- INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- EX DITCH SUMMIT
- PR DITCH SUMMIT
- EX FLOW LINE
- PR FLOW LINE
- PR SWALE
- EX SHEET FLOW
- PR SHEET FLOW
- PR RIP RAP

STORM LEGEND

- INLET
- CATCH BASIN
- MANHOLE
- STORM SEWER
- FLARED END SECTION

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**DRAINAGE PLAN
STA 64+00 TO STA 67+00**

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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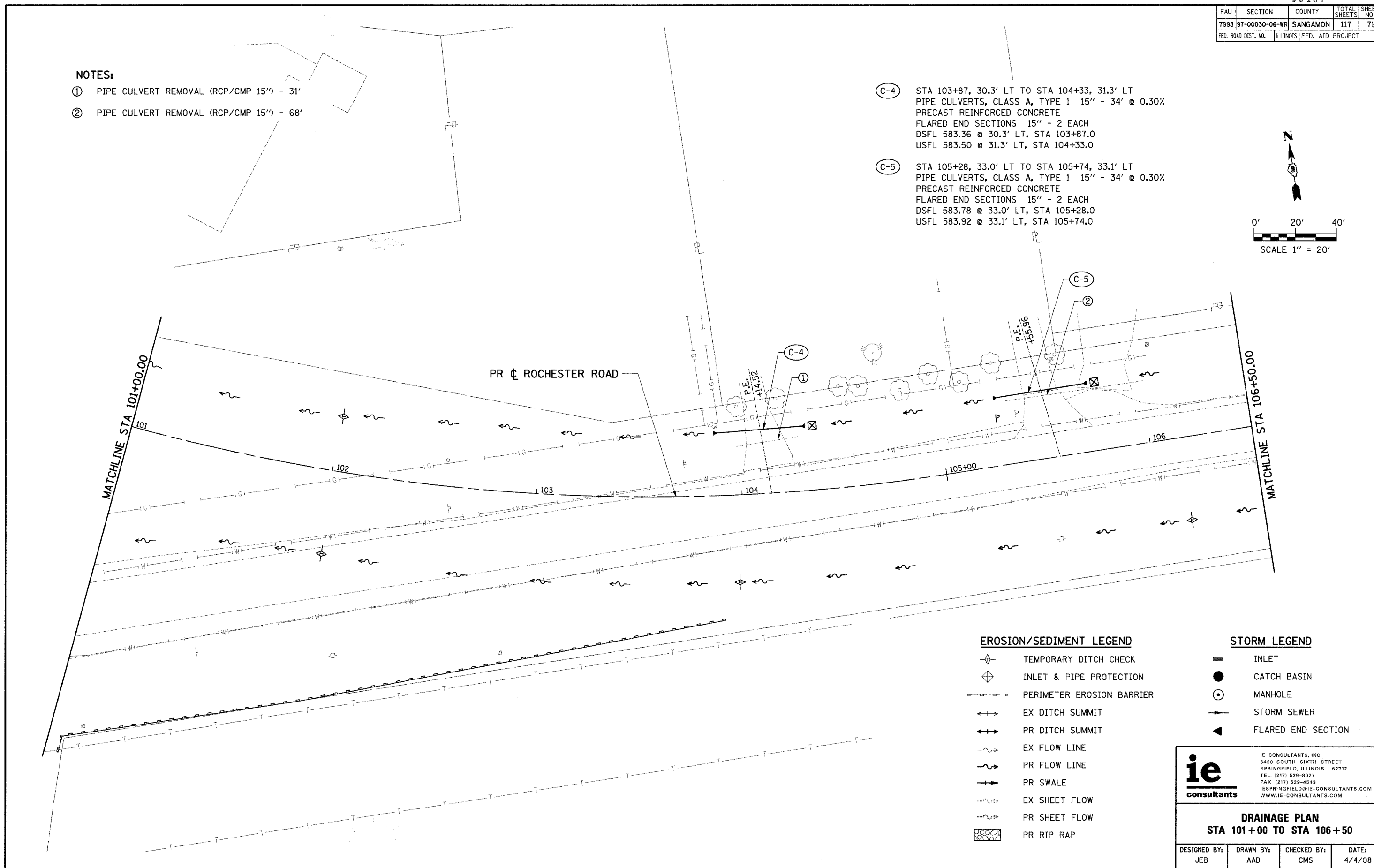
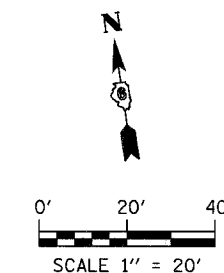
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	71
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

NOTES:

- ① PIPE CULVERT REMOVAL (RCP/CMP 15") - 31'
- ② PIPE CULVERT REMOVAL (RCP/CMP 15") - 68'

(C-4) STA 103+87, 30.3' LT TO STA 104+33, 31.3' LT
 PIPE CULVERTS, CLASS A, TYPE 1 15" - 34' @ 0.30%
 PRECAST REINFORCED CONCRETE
 FLARED END SECTIONS 15" - 2 EACH
 DSFL 583.36 @ 30.3' LT, STA 103+87.0
 USFL 583.50 @ 31.3' LT, STA 104+33.0

(C-5) STA 105+28, 33.0' LT TO STA 105+74, 33.1' LT
 PIPE CULVERTS, CLASS A, TYPE 1 15" - 34' @ 0.30%
 PRECAST REINFORCED CONCRETE
 FLARED END SECTIONS 15" - 2 EACH
 DSFL 583.78 @ 33.0' LT, STA 105+28.0
 USFL 583.92 @ 33.1' LT, STA 105+74.0



EROSION/SEDIMENT LEGEND

- ◇ TEMPORARY DITCH CHECK
- ⊕ INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- ↔ EX DITCH SUMMIT
- ↔ PR DITCH SUMMIT
- ~ EX FLOW LINE
- ~ PR FLOW LINE
- PR SWALE
- ... EX SHEET FLOW
- ... PR SHEET FLOW
- ▣ PR RIP RAP

STORM LEGEND

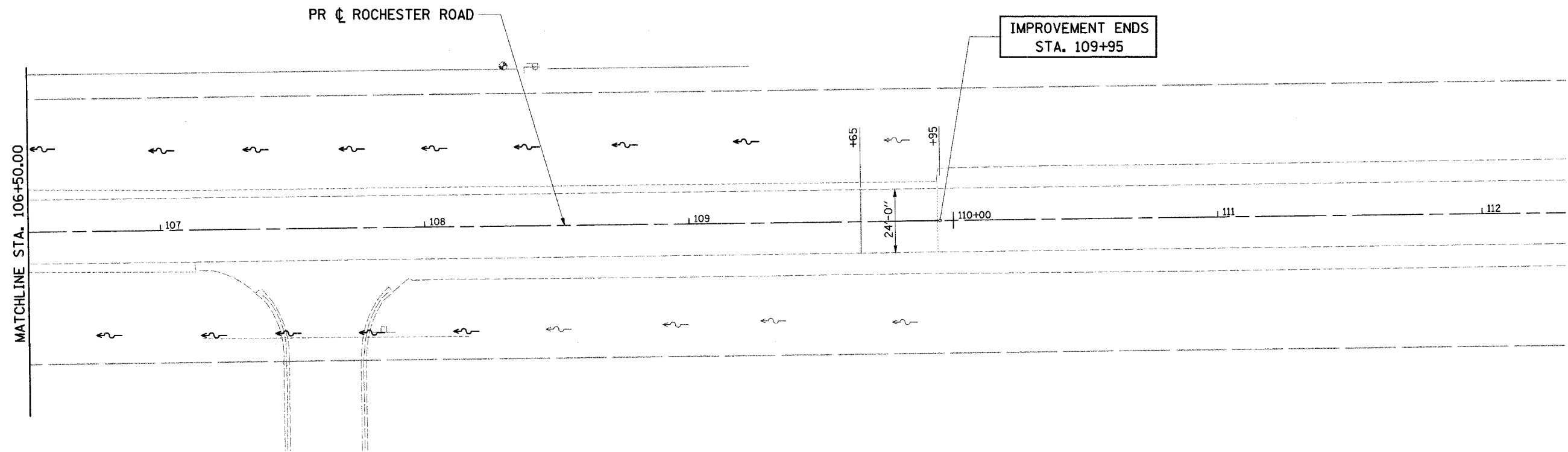
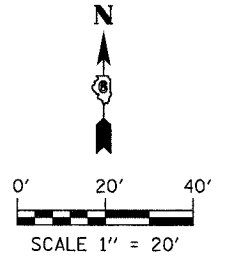
- ▬ INLET
- CATCH BASIN
- MANHOLE
- STORM SEWER
- ◄ FLARED END SECTION

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**DRAINAGE PLAN
 STA 101+00 TO STA 106+50**

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	72
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EROSION/SEDIMENT LEGEND

- TEMPORARY DITCH CHECK
- INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- EX DITCH SUMMIT
- PR DITCH SUMMIT
- EX FLOW LINE
- PR FLOW LINE
- PR SWALE
- EX SHEET FLOW
- PR SHEET FLOW
- PR RIP RAP

STORM LEGEND

- INLET
- CATCH BASIN
- MANHOLE
- STORM SEWER
- FLARED END SECTION

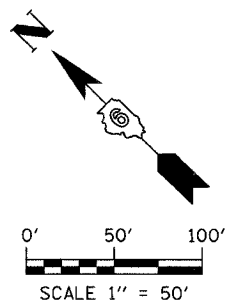
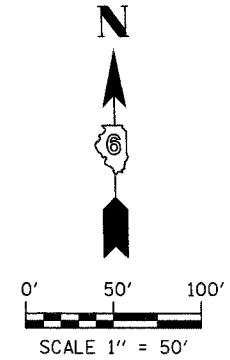
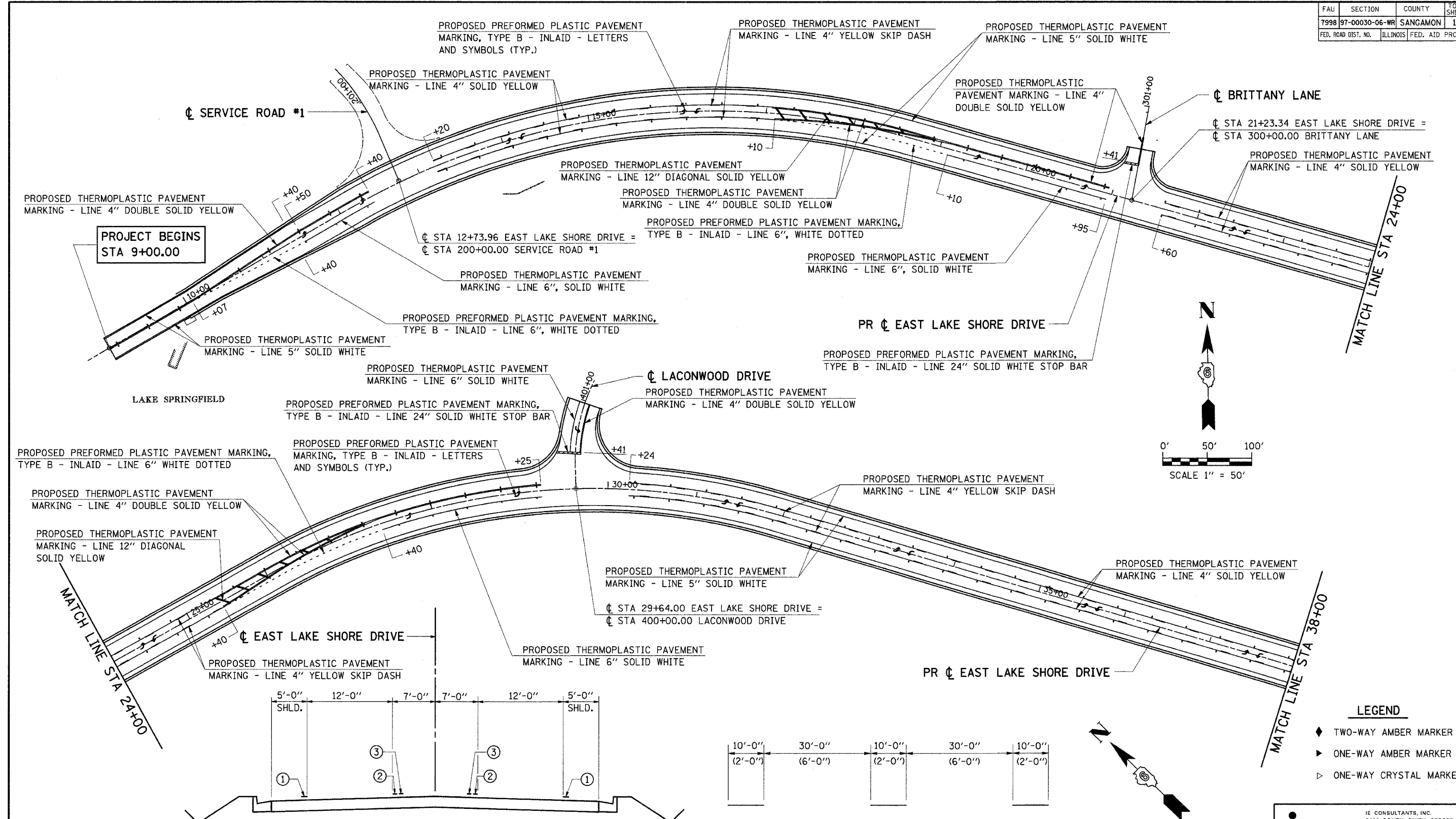
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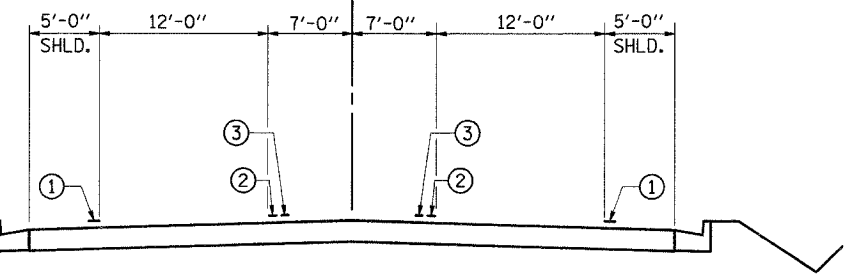
**DRAINAGE PLAN
STA. 106+50 TO STA. 109+30**

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	73
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

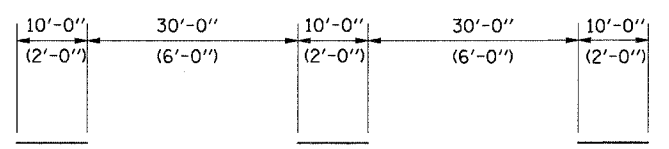


- LEGEND**
- ◆ TWO-WAY AMBER MARKER
 - ▶ ONE-WAY AMBER MARKER
 - ▷ ONE-WAY CRYSTAL MARKER



TYPICAL STRIPING DETAIL

- ① SOLID WHITE
- ② SOLID YELLOW
- ③ SKIP-DASH YELLOW



BROKEN LINE DETAIL

SKIP-DASH YELLOW LINE
(DOTTED WHITE LINE)

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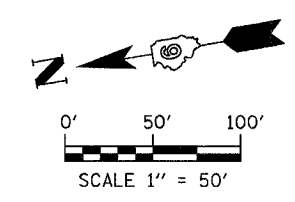
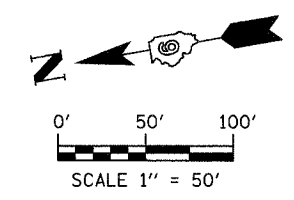
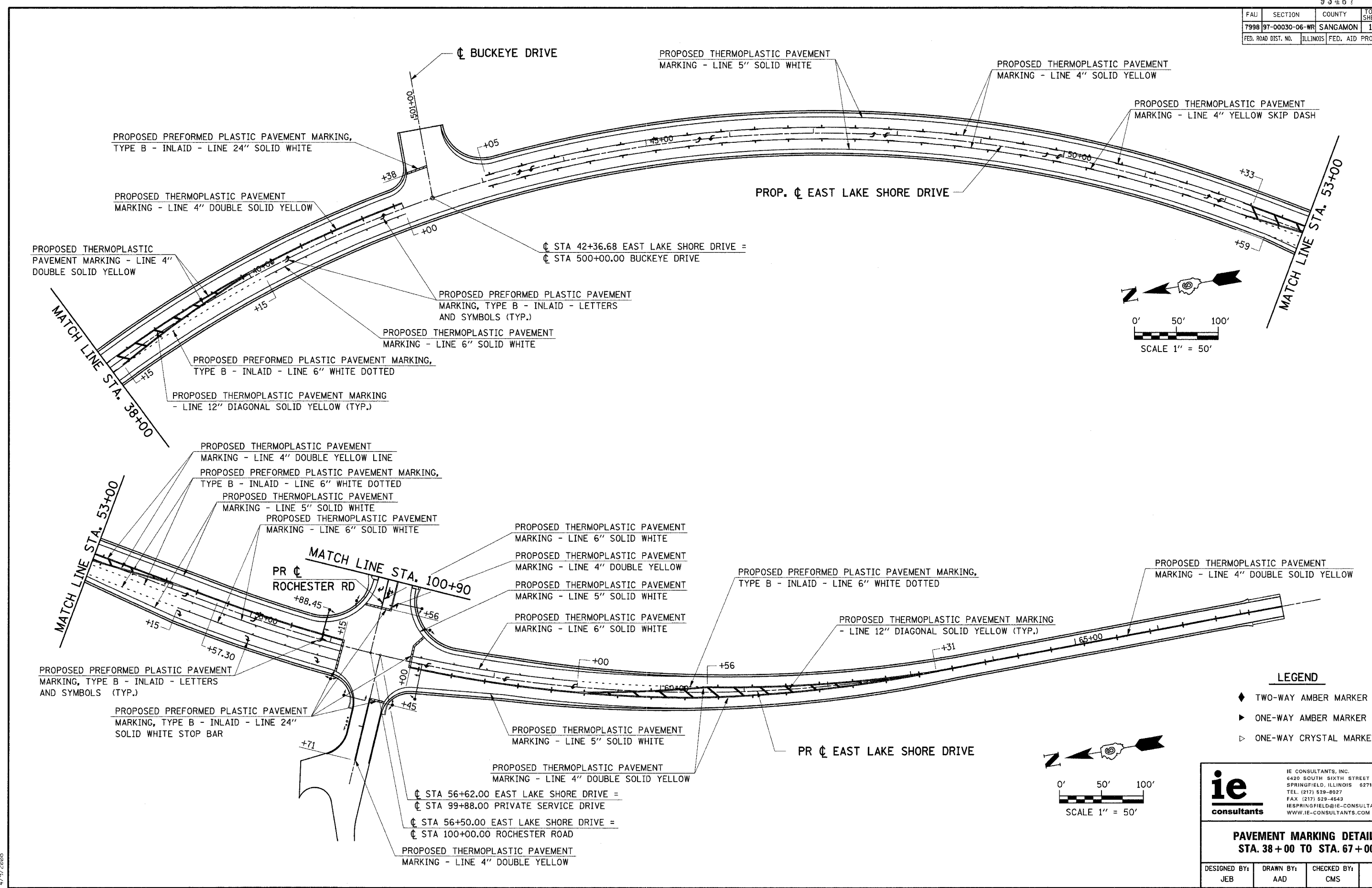
IE CONSULTANTS, INC.
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**PAVEMENT MARKING DETAILS
STA. 9+00 TO STA. 38+00**

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

4/19/2008

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	74
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

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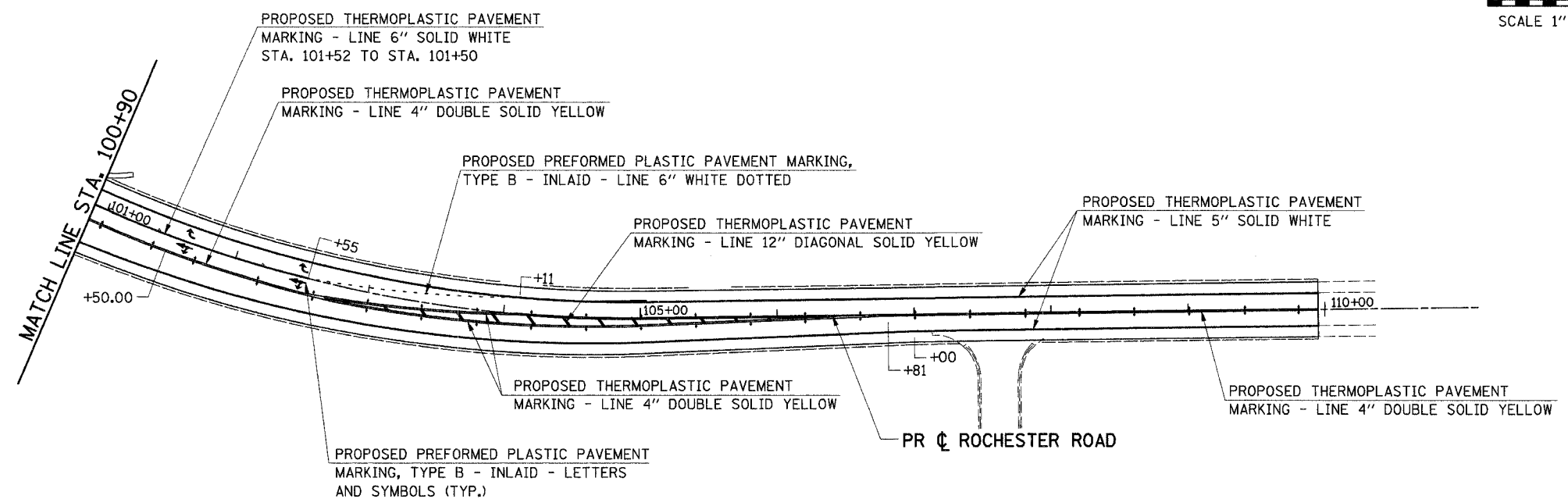
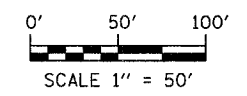
**PAVEMENT MARKING DETAILS
STA. 38+00 TO STA. 67+00**

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

4/9/2008

93467

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	75
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

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**PAVEMENT MARKING DETAILS
STA. 100+90 TO STA. 109+30**

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

4/9/2008

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	B7-00030-06-WR	SANGAMON	117	76
STA.		TO STA.		

PLAN

EXISTING	PROPOSED	DESCRIPTION
		SIGNAL HEAD
		SIGNAL HEAD WITH BACKPLATE
		TEMPORARY SIGNAL HEAD
		PEDESTRIAN SIGNAL HEAD
		PEDESTRIAN PUSHBUTTON DETECTOR
		DETECTOR LOOP
		QUADRAPOLE DETECTOR LOOP
		SIGNAL POST
		ALUMINUM MAST ARM ASSEMBLY AND POLE
		STEEL MAST ARM ASSEMBLY AND POLE
		WOOD POLE
		WOOD POLE WITH GUY
		SERVICE INSTALLATION
		CONTROLLER
		HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		JUNCTION BOX
		GULFBOX JUNCTION
		AERIAL CABLE
		CONDUIT
		LENGTH - CONSTRUCTION (T=TRENCH P=PUSHED A=AUGERED E=EXISTING UD=UNIT DUCT) SIZE - TYPE (S=STEEL P=PVC)
		CONDUIT SPLICE
		SPAN WIRE/TETHER WIRE
		56 - MEDIAN REMOVAL IN SQ. FT.
		40 - PCC MEDIAN, 4 INCH IN SQ. FT.
		32 - PCC MEDIAN, 4 INCH (SPECIAL) IN SQ. FT.

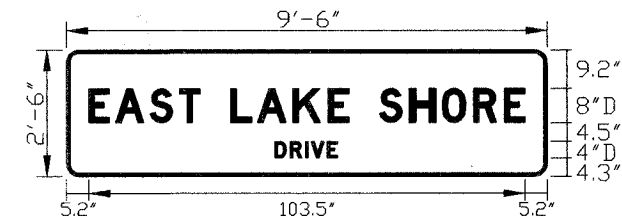
CABLE

EXISTING	PROPOSED	DESCRIPTION
		8" SIGNAL SECTION
		12" SIGNAL SECTION
		DIRECTIONAL SIGNAL SECTION
		9" PEDESTRIAN SIGNAL FACE
		12" PEDESTRIAN SIGNAL FACE
		SIGNAL FACE WITH BACKPLATE
		PROGRAMMED SIGNAL SECTION
		SIGNAL SECTION WITH LOUVRE
		DUAL-INDICATION SIGNAL SECTION
		INDUCTION DETECTOR LOOP
		QUADRAPOLE DETECTOR LOOP
		DIRECT-CONNECTED LOOP LEAD-IN (TWISTED)
		ELECTRIC CABLE DENOTING NUMBER OF CONDUCTORS
		ELECTRIC CABLE TO BE REMOVED
		ELECTRIC CABLE IDENTIFIER TAPE CODES (R=RED W=WHITE Y=YELLOW G=GREEN B=BLUE O=ORANGE)
		PEDESTRIAN PUSHBUTTON DETECTOR
		VIDEO CAMERA
		STEEL TWIN TENON

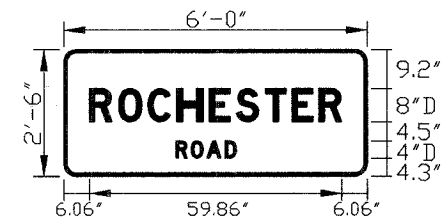
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	B7-00030-06-WR	SANGAMON	117	77
STA.		TO STA.		

EAST LAKE DRIVE & ROCHESTER ROAD, TRAFFIC SIGNAL QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
72000200	SIGN PANEL, TYPE 2	SQ FT	77.5
80500100	SERVICE INSTALLATION, TYPE A	EACH	1
81012500	CONDUIT IN TRENCH, 1 1/2" PVC	FOOT	20
81012600	CONDUIT IN TRENCH, 2" PVC	FOOT	43
81012700	CONDUIT IN TRENCH, 2 1/2" PVC	FOOT	83
81012800	CONDUIT IN TRENCH, 3" PVC	FOOT	193
81013000	CONDUIT IN TRENCH, 4" PVC	FOOT	103
81400100	HANDHOLE	EACH	3
81400200	DOUBLE HANDHOLE	EACH	1
81702110	ELECTRIC CABLE IN CONDUIT, XLP USE 1C #10	FOOT	2232
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	442
82104250	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	4
85700200	FULL-ACTUATED CONTROLLER AND TYPE 4 CABINET	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	191
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	848
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	412
87301265	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 9C	FOOT	303
87301275	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 12C	FOOT	457
	ELECTRIC CABLE IN CONDUIT, COMMUNICATION, NO. 18, 3C	FOOT	744
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3C	FOOT	28
87502700	TRAFFIC SIGNAL POST, ALUMINUM, 16 FT.	EACH	4
87702860	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3.5
87800400	CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER	FOOT	10
87800415	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	35
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
88102810	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	2
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	7
88800100	PEDESTRIAN PUSH-BUTTON	EACH	2
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
88040280	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
88040290	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
X0320872	VIDEO VEHICLE DETECTION SYSTEM	EACH	1
X0323153	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6 1/C GREEN	FOOT	479

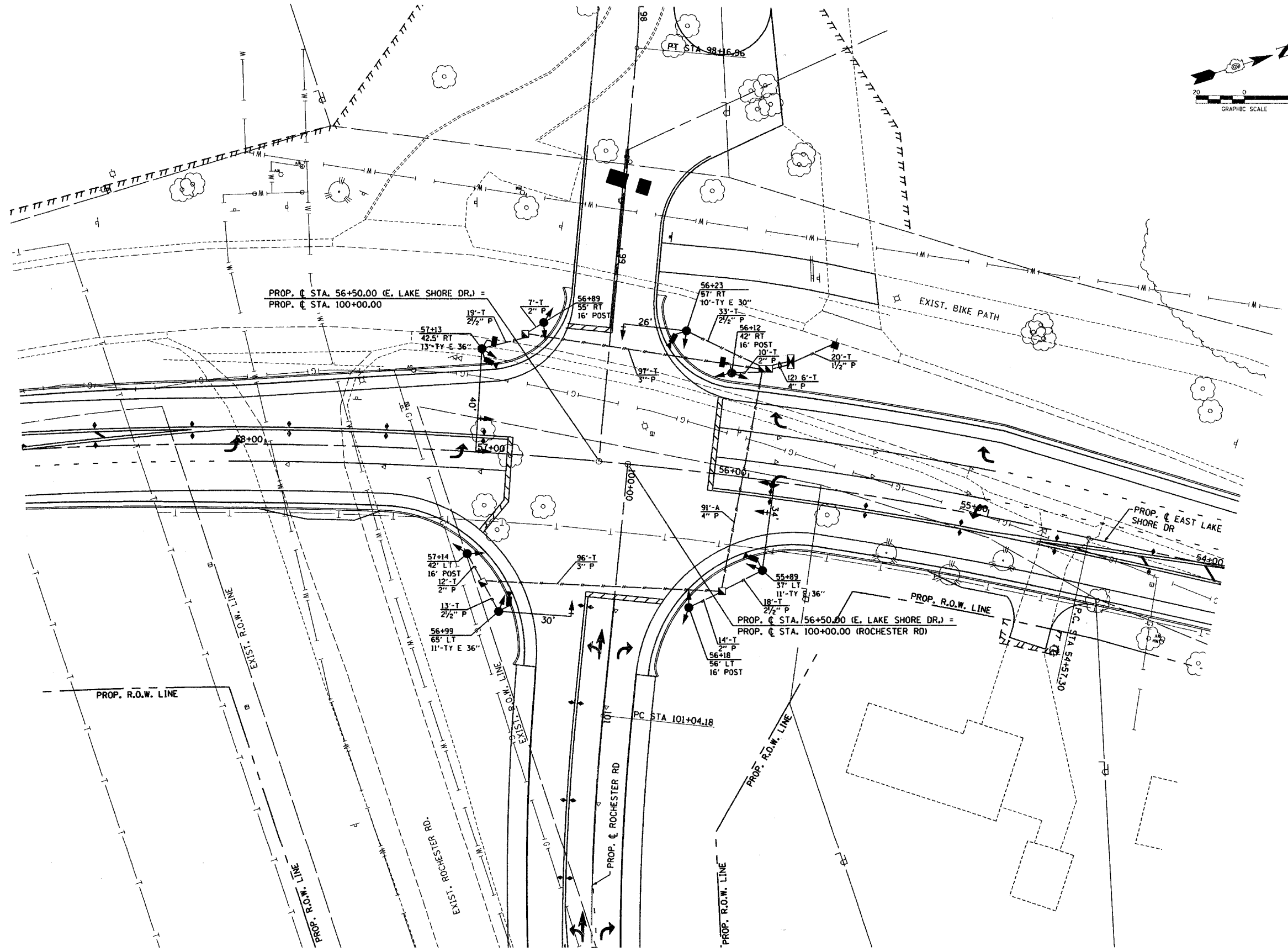
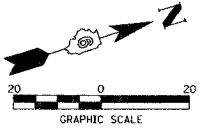


BORDER
R=4"
TH=1.5"

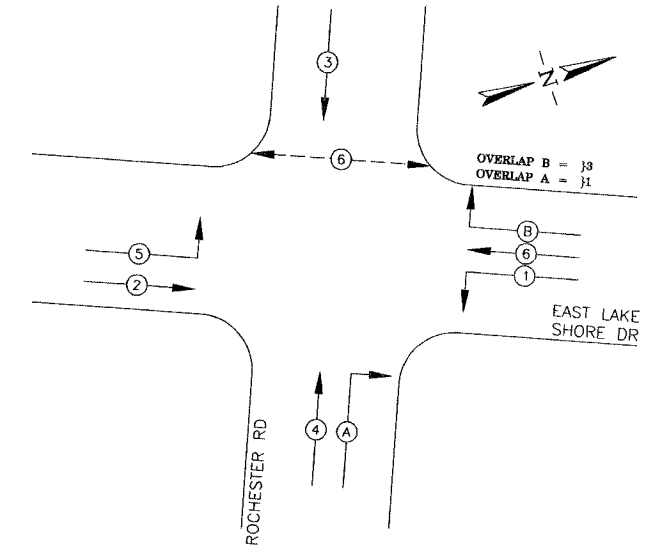
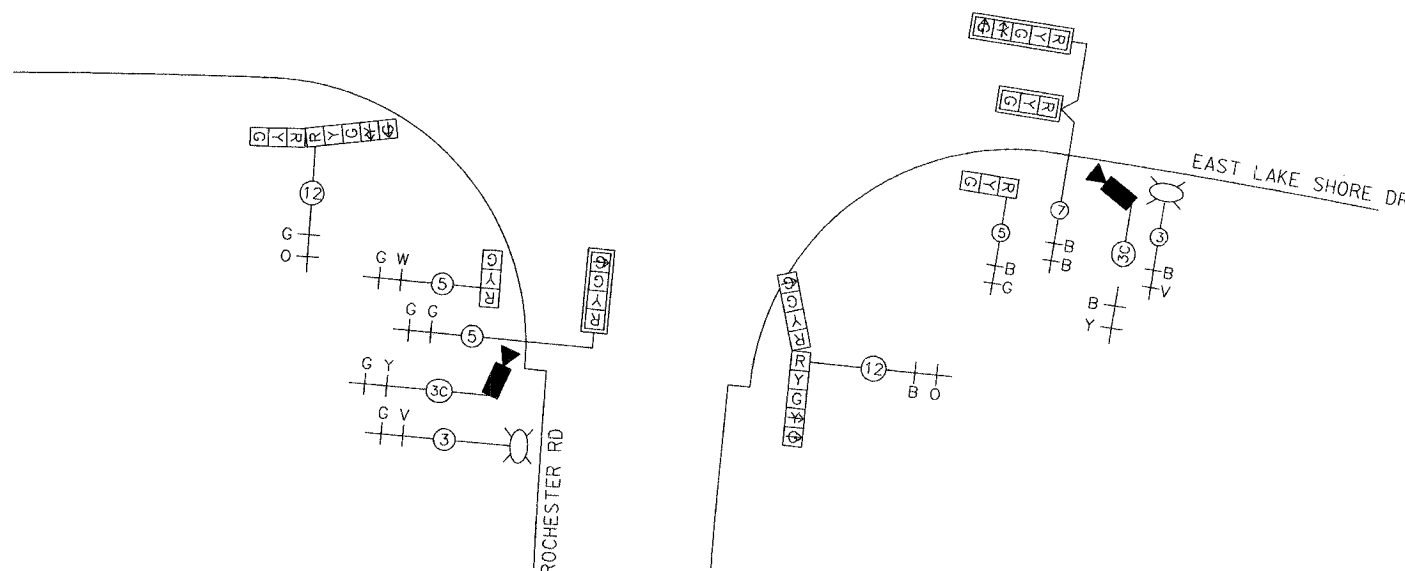
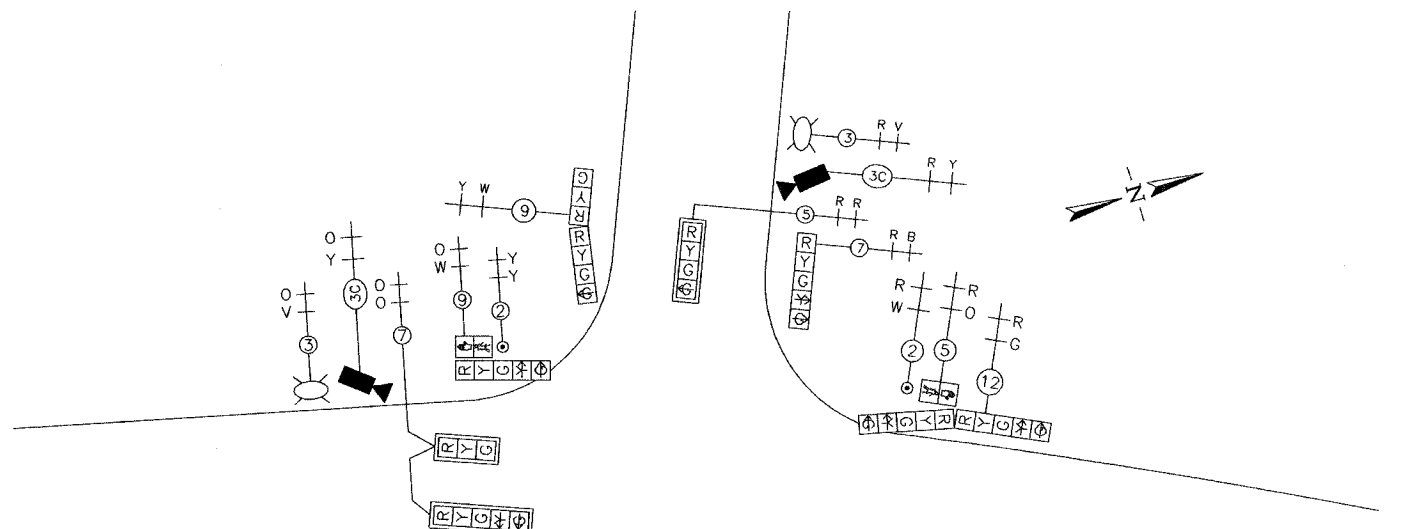


BORDER
R=4"
TH=1.5"

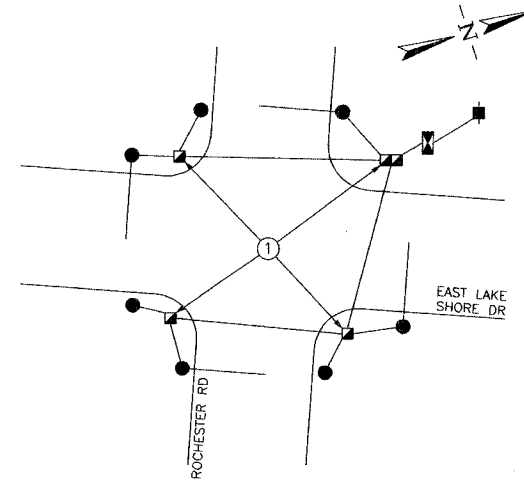
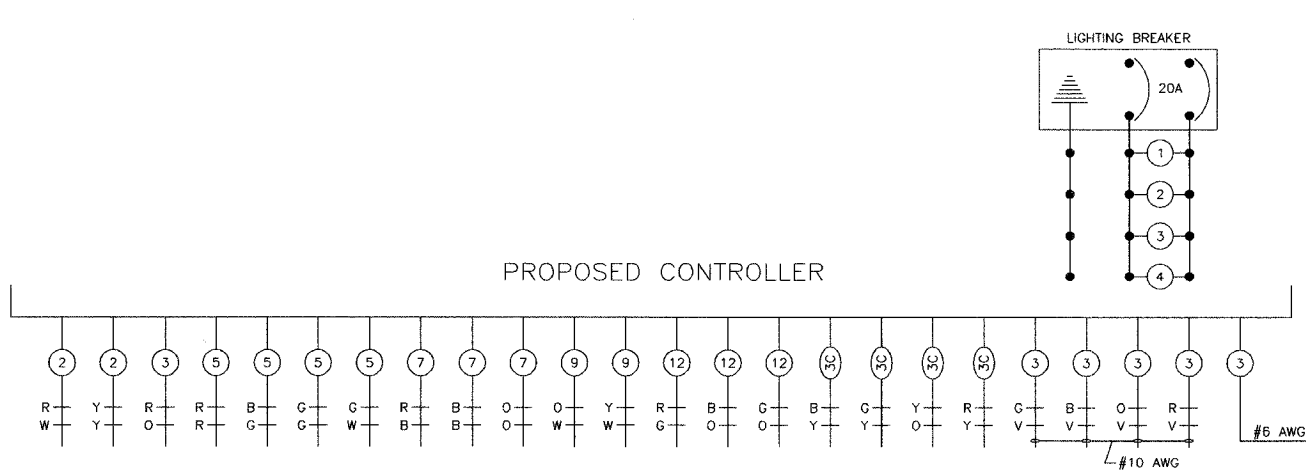
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	78
STA.	TO STA.			



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	79
STA.	TO STA.			

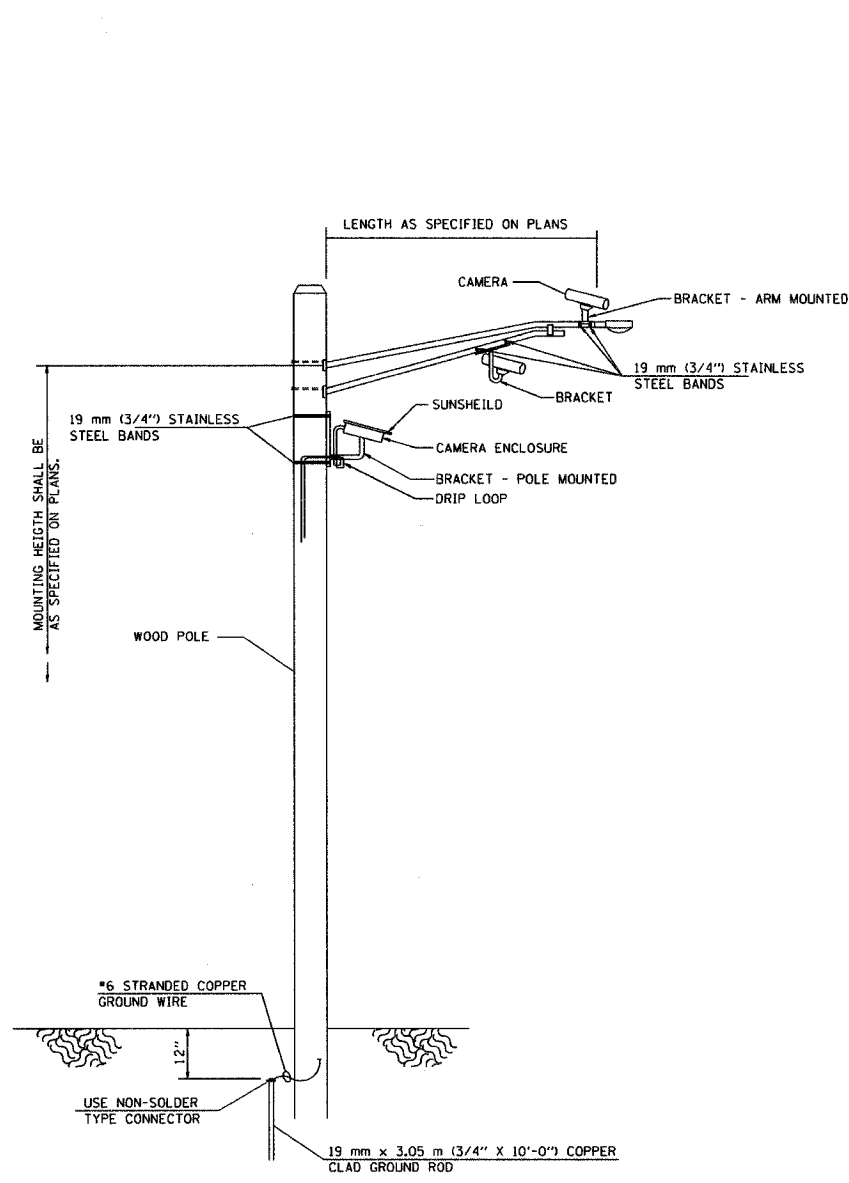


PHASE DESIGNATION DIAGRAM

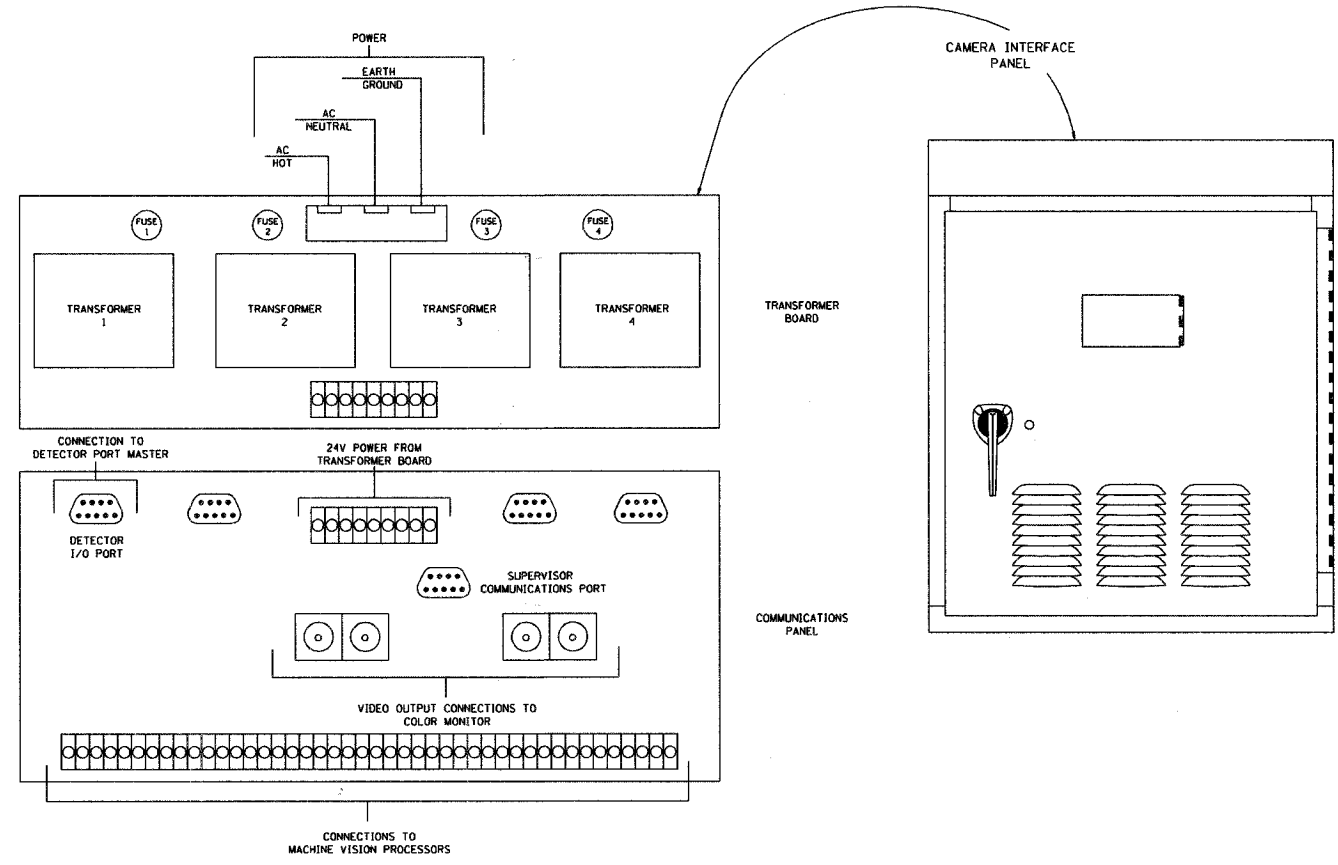
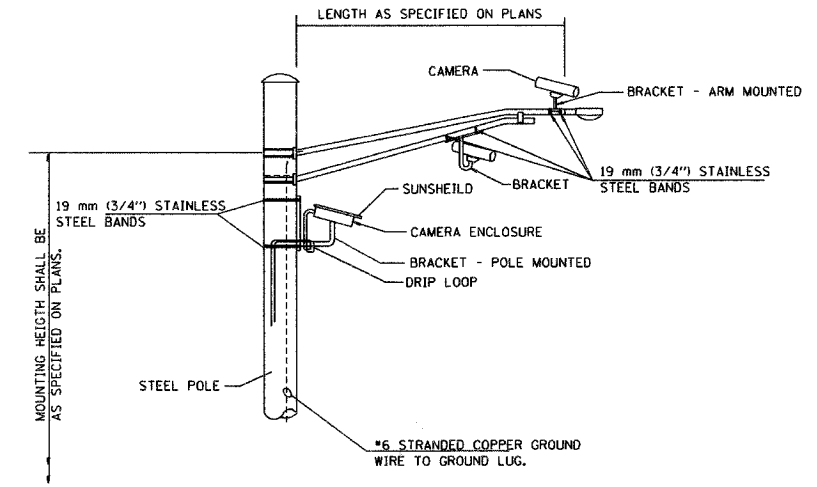


GROUNDING SCHEMATIC
 ① GROUND WIRE SPLICED, NOT BONDED TO POLYMER HANDHOLE

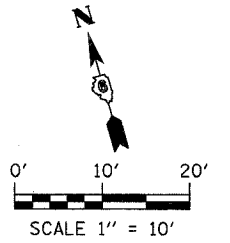
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	B7-00030-06-WR	SANGAMON	117	80
STA.		TO STA.		



**VIDEO DETECTION SYSTEM INSTALLATION
ARM MOUNTED OR POLE MOUNTED CAMERA**

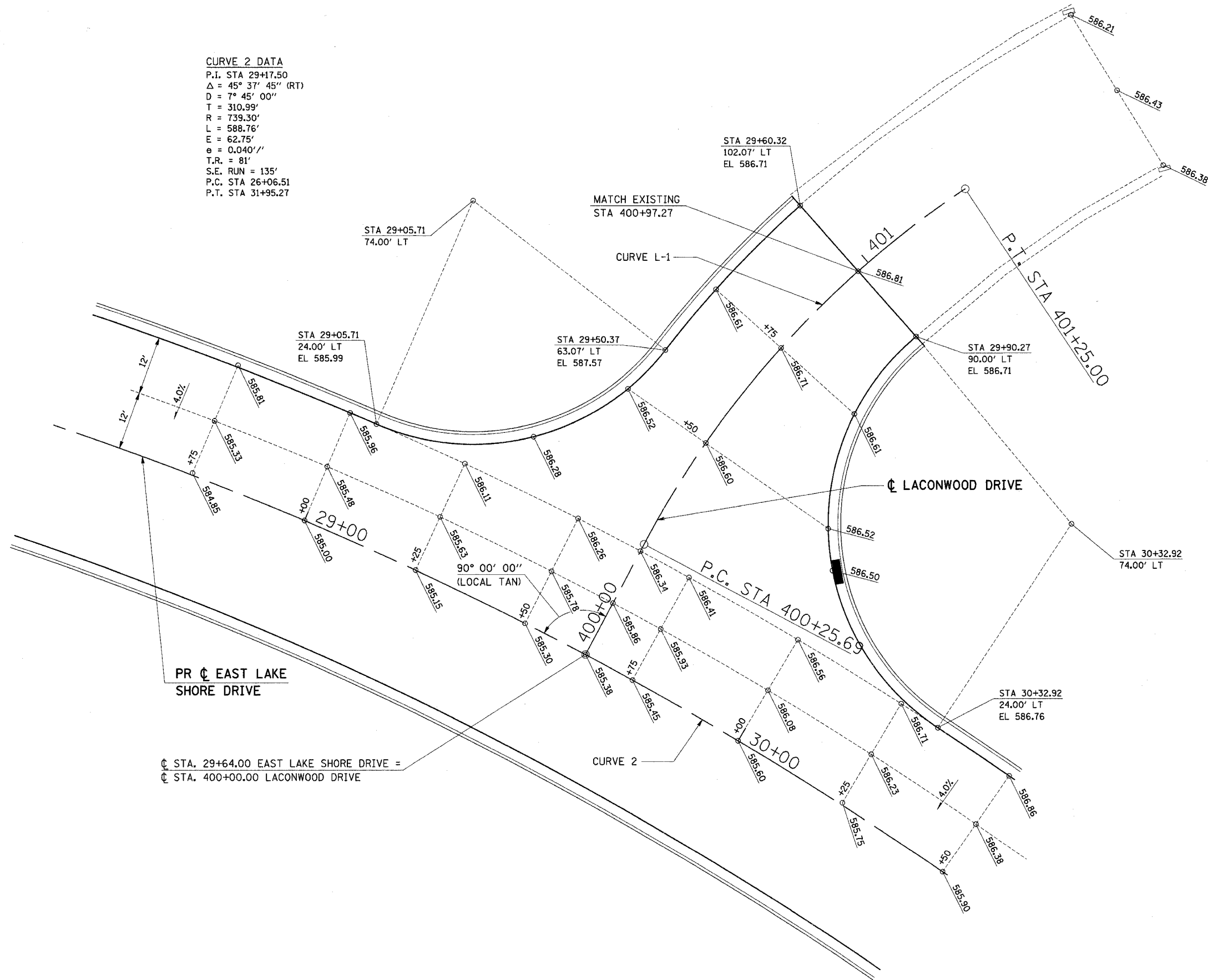


FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	81
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



CURVE 2 DATA
 P.I. STA 29+17.50
 $\Delta = 45^\circ 37' 45''$ (RT)
 $D = 7^\circ 45' 00''$
 $T = 310.99'$
 $R = 739.30'$
 $L = 588.76'$
 $E = 62.75'$
 $e = 0.040'/'$
 $T.R. = 81'$
 $S.E. RUN = 135'$
 P.C. STA 26+06.51
 P.T. STA 31+95.27

CURVE L-1 DATA
 PI STA. 400+76.39
 $\Delta = 28^\circ 27' 07''$ RT
 $D = 18^\circ 38' 52''$
 $T = 50.70'$
 $R = 200.00'$
 $L = 99.32'$
 $E = 6.33'$
 PC STA. 400+25.69
 PT STA. 401+25.00



PR \oslash EAST LAKE SHORE DRIVE

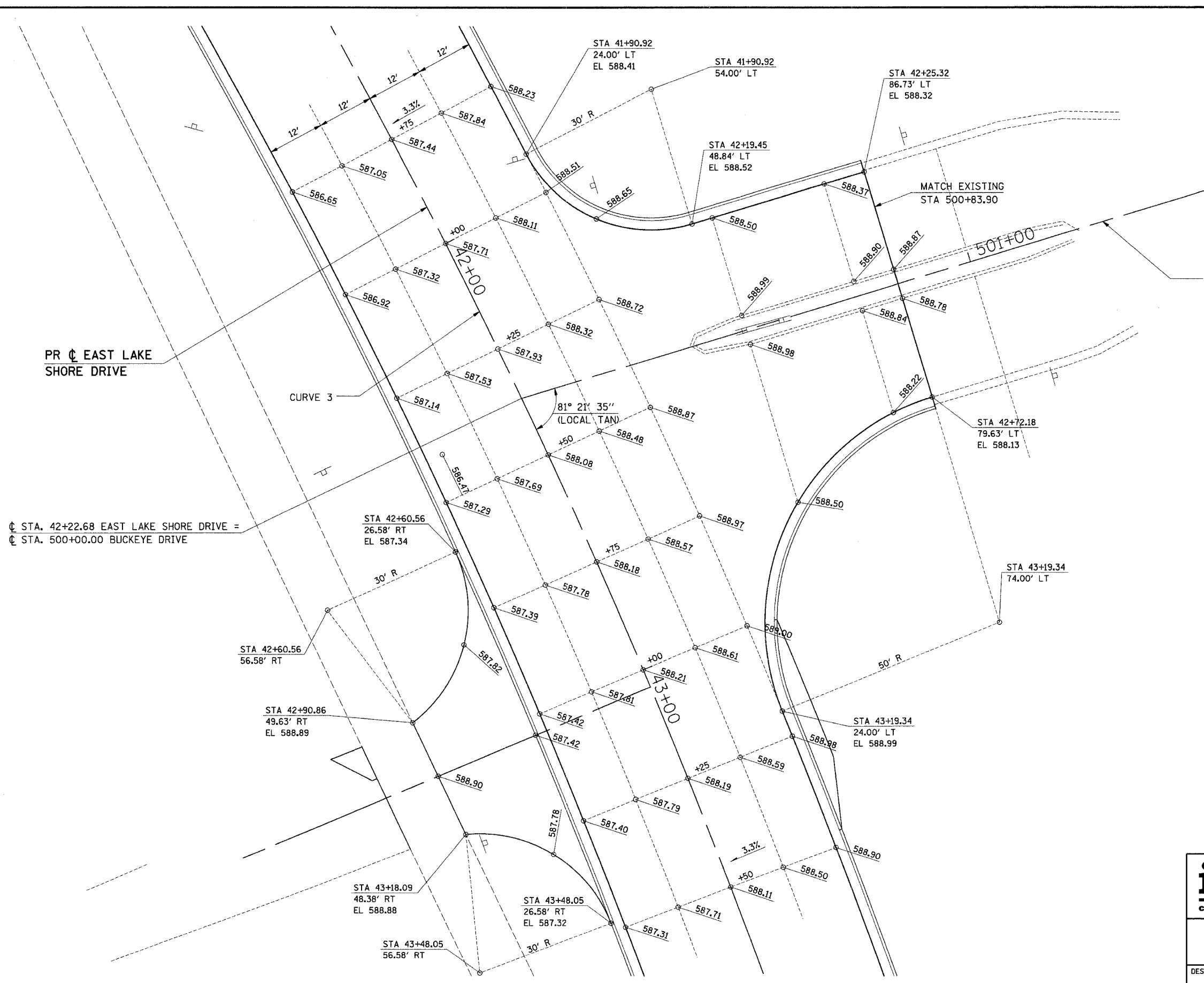
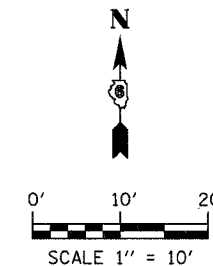
\oslash STA. 29+64.00 EAST LAKE SHORE DRIVE =
 \oslash STA. 400+00.00 LACONWOOD DRIVE

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**INTERSECTION DETAIL
 LACONWOOD DRIVE**

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	82
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



PR ϕ EAST LAKE SHORE DRIVE

ϕ STA. 42+22.68 EAST LAKE SHORE DRIVE =
 ϕ STA. 500+00.00 BUCKEYE DRIVE

ϕ BUCKEYE DRIVE

CURVE 3 DATA
 P.I. STA 45+66.81
 $\Delta = 58^\circ 10' 55''$ (RT)
 $D = 4^\circ 00' 00''$
 $T = 796.96'$
 $R = 1,432.39'$
 $L = 1,454.55'$
 $E = 206.78'$
 $e = 0.033'/'$
 $T.R. = 93'$
 $S.E. RUN = 111'$
 $P.C. STA 37+69.85$
 $P.T. STA 52+24.40$

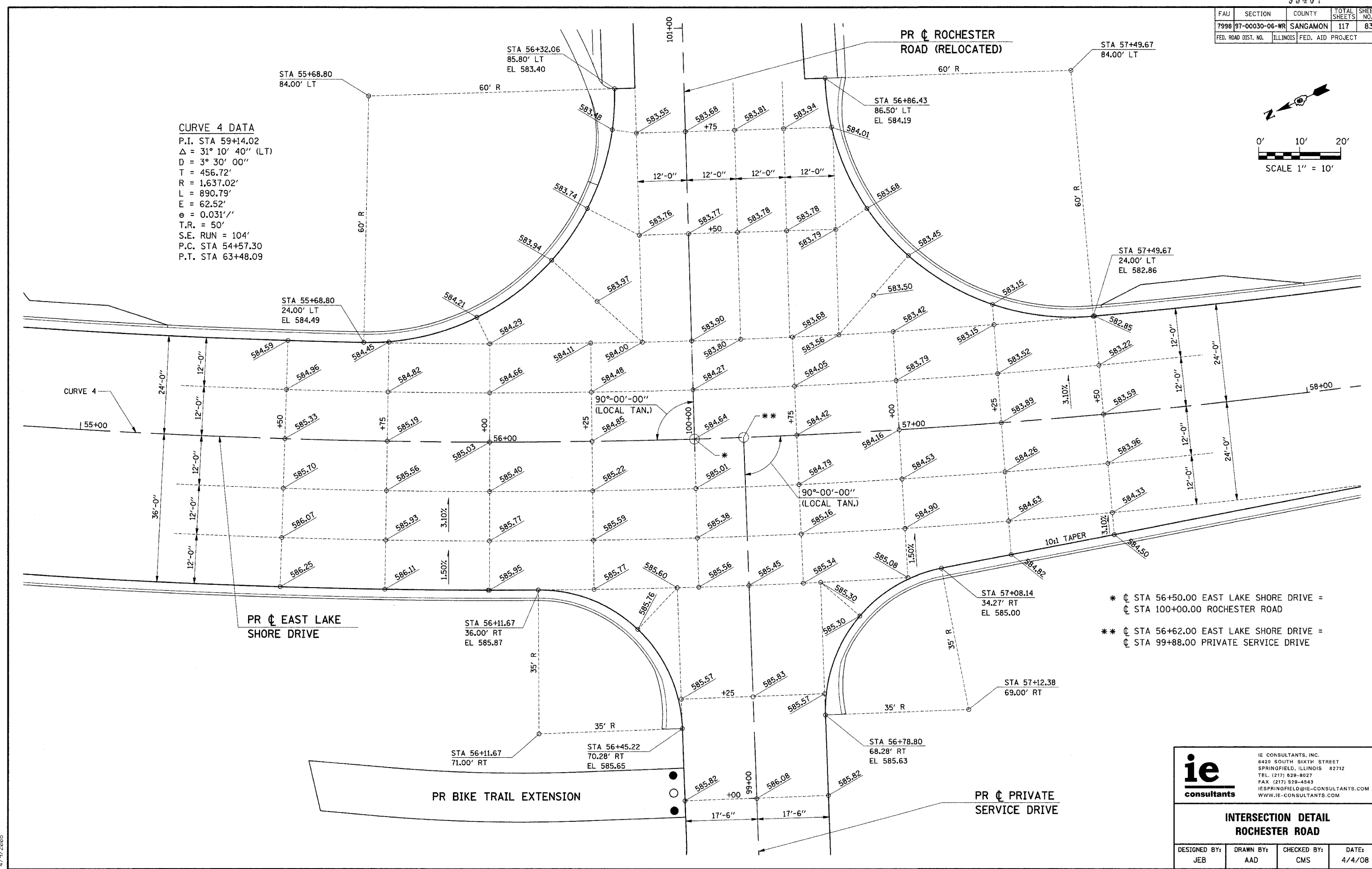
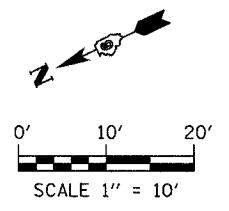
ie consultants
 IE CONSULTANTS, INC.
 6420 SOUTH SIXTH STREET
 SPRINGFIELD, ILLINOIS 62712
 TEL. (217) 529-8027
 FAX (217) 529-4543
 IESPRINGFIELD@IE-CONSULTANTS.COM
 WWW.IE-CONSULTANTS.COM

**INTERSECTION DETAIL
 BUCKEYE DRIVE**

DESIGNED BY: JEB	DRAWN BY: AAD	CHECKED BY: CMS	DATE: 4/4/08
---------------------	------------------	--------------------	-----------------

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	83
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CURVE 4 DATA
 P.I. STA 59+14.02
 $\Delta = 31^\circ 10' 40''$ (LT)
 $D = 3^\circ 30' 00''$
 $T = 456.72'$
 $R = 1,637.02'$
 $L = 890.79'$
 $E = 62.52'$
 $e = 0.031'/'$
 $T.R. = 50'$
 $S.E. RUN = 104'$
 $P.C. STA 54+57.30$
 $P.T. STA 63+48.09$



- * \odot STA 56+50.00 EAST LAKE SHORE DRIVE =
- \odot STA 100+00.00 ROCHESTER ROAD
- ** \odot STA 56+62.00 EAST LAKE SHORE DRIVE =
- \odot STA 99+88.00 PRIVATE SERVICE DRIVE

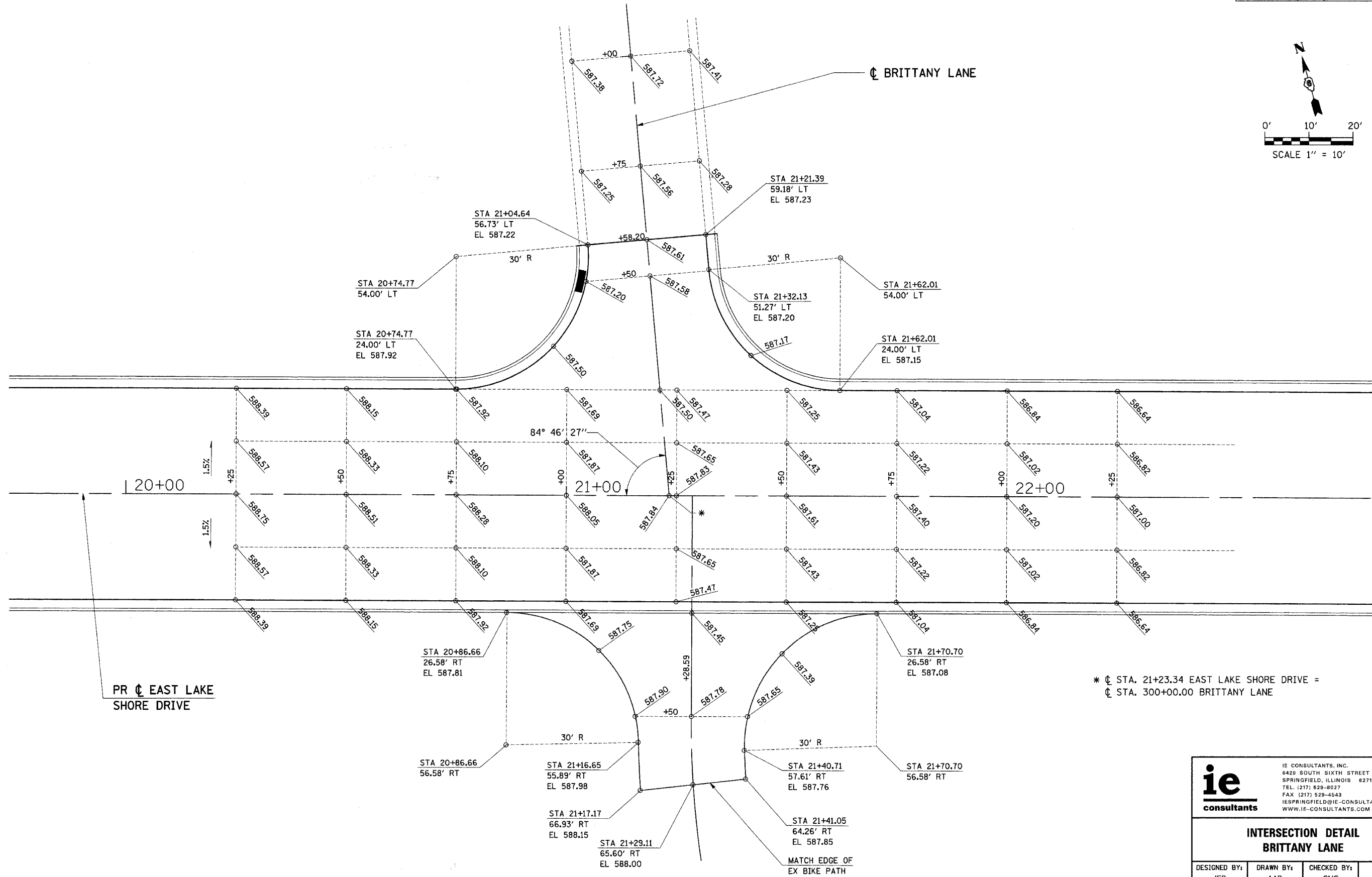
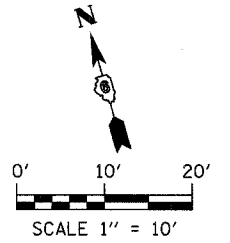
ie
 consultants

IE CONSULTANTS, INC.
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 SPRINGFIELD, ILLINOIS 62712
 TEL. (217) 629-8027
 FAX (217) 629-4543
 IESPRINGFIELD@IE-CONSULTANTS.COM
 WWW.IE-CONSULTANTS.COM

**INTERSECTION DETAIL
 ROCHESTER ROAD**

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

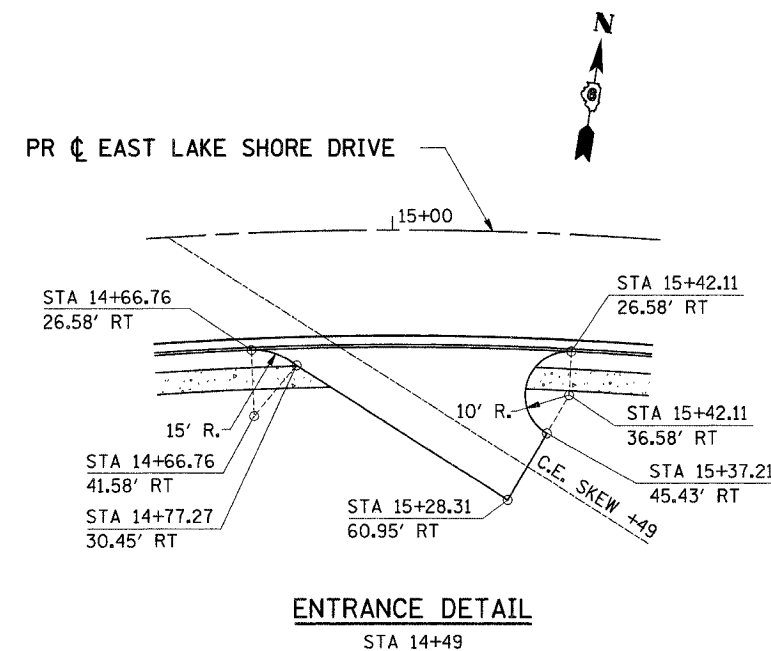
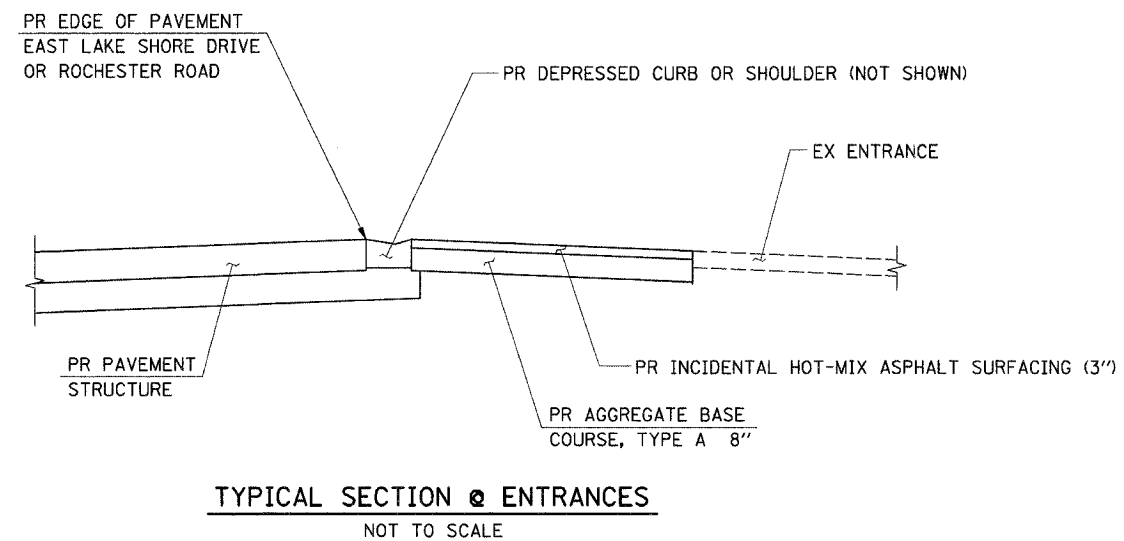
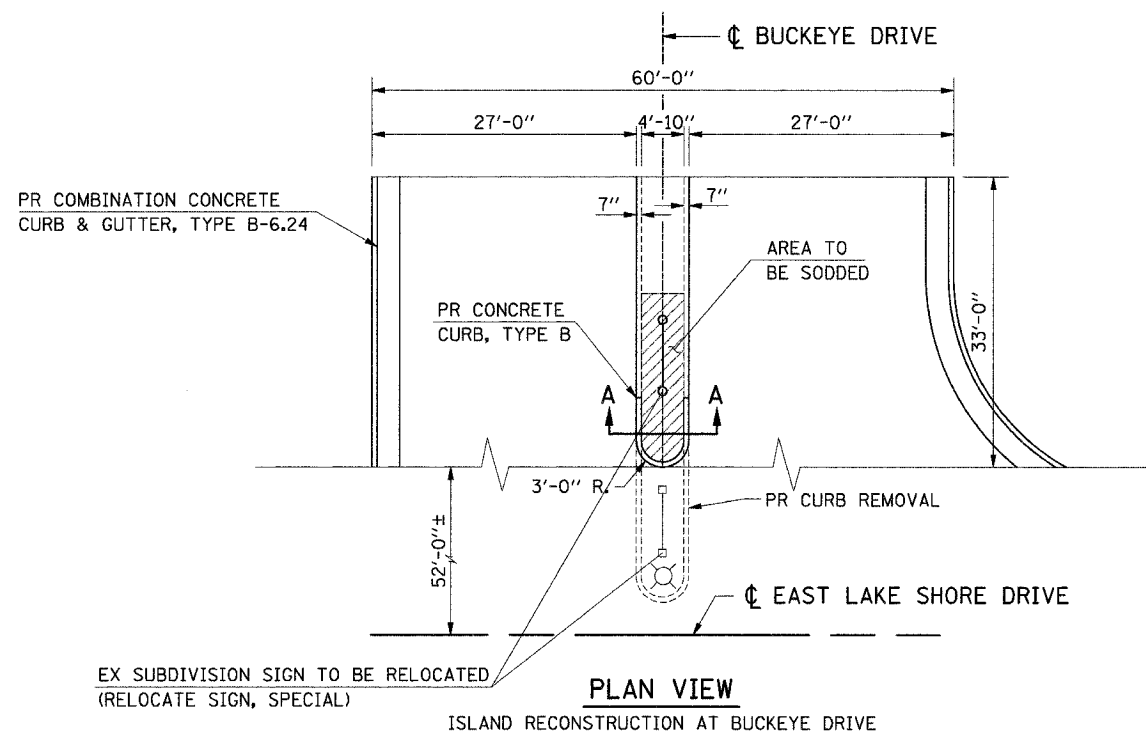
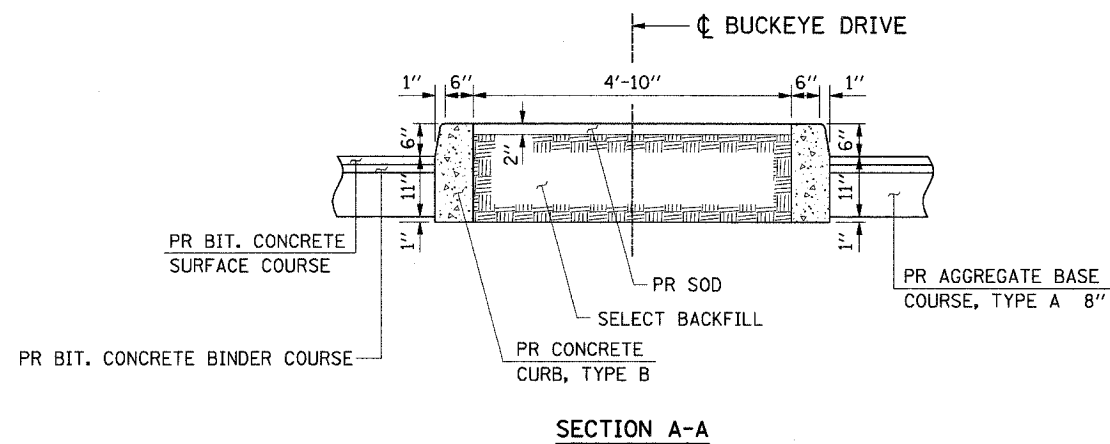
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	84
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



	IE CONSULTANTS, INC. 8420 SOUTH SIXTH STREET SPRINGFIELD, ILLINOIS 62712 TEL. (217) 529-8027 FAX (217) 529-4543 IESPRINGFIELD@IE-CONSULTANTS.COM WWW.IE-CONSULTANTS.COM		
	INTERSECTION DETAIL BRITTANY LANE		
DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

4/9/2008

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	85
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



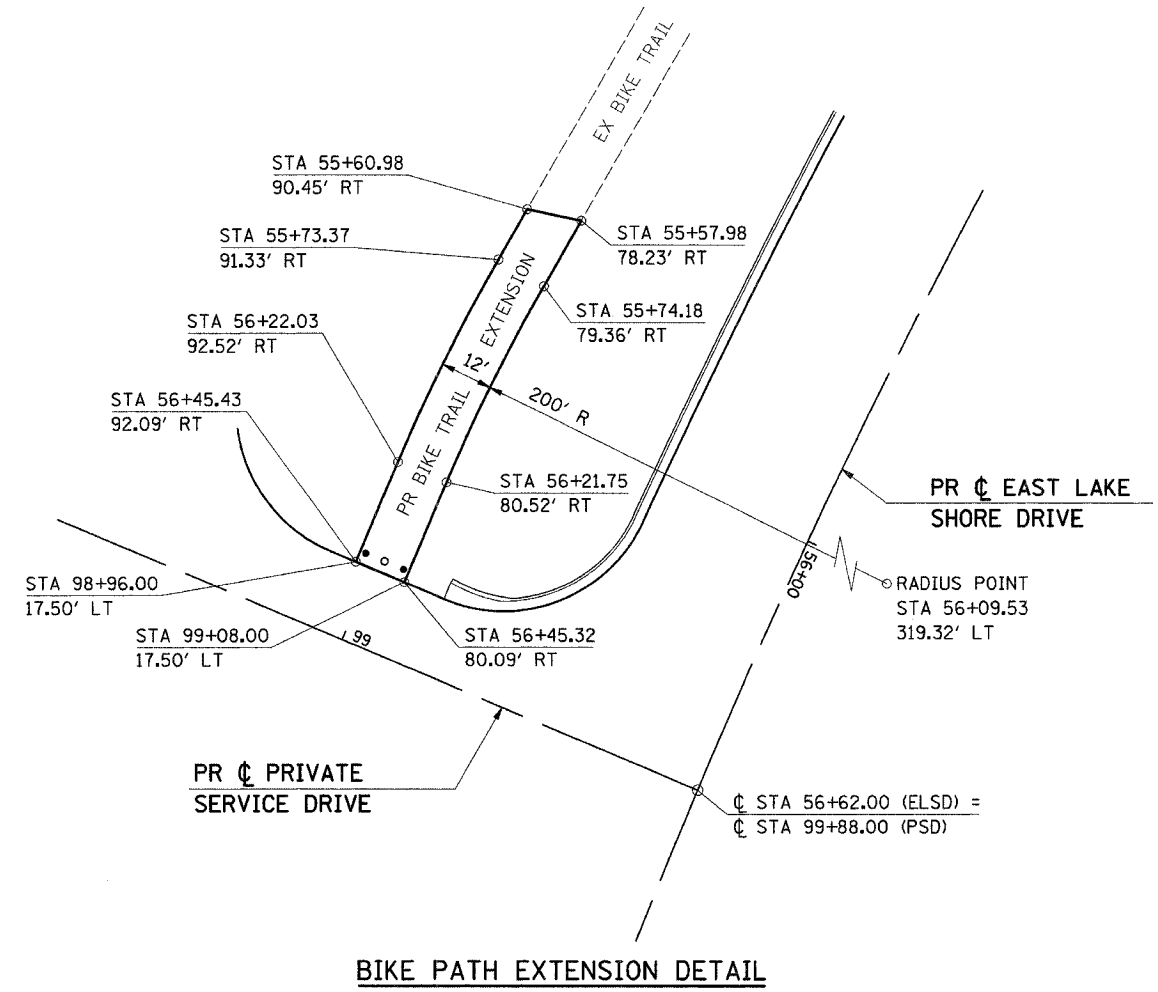
ie
consultants

IE CONSULTANTS, INC.
6420 SOUTH SIXTH STREET
SPRINGFIELD, ILLINOIS 62712
TEL. (217) 529-8027
FAX (217) 529-4543
IESPRINGFIELD@IE-CONSULTANTS.COM
WWW.IE-CONSULTANTS.COM

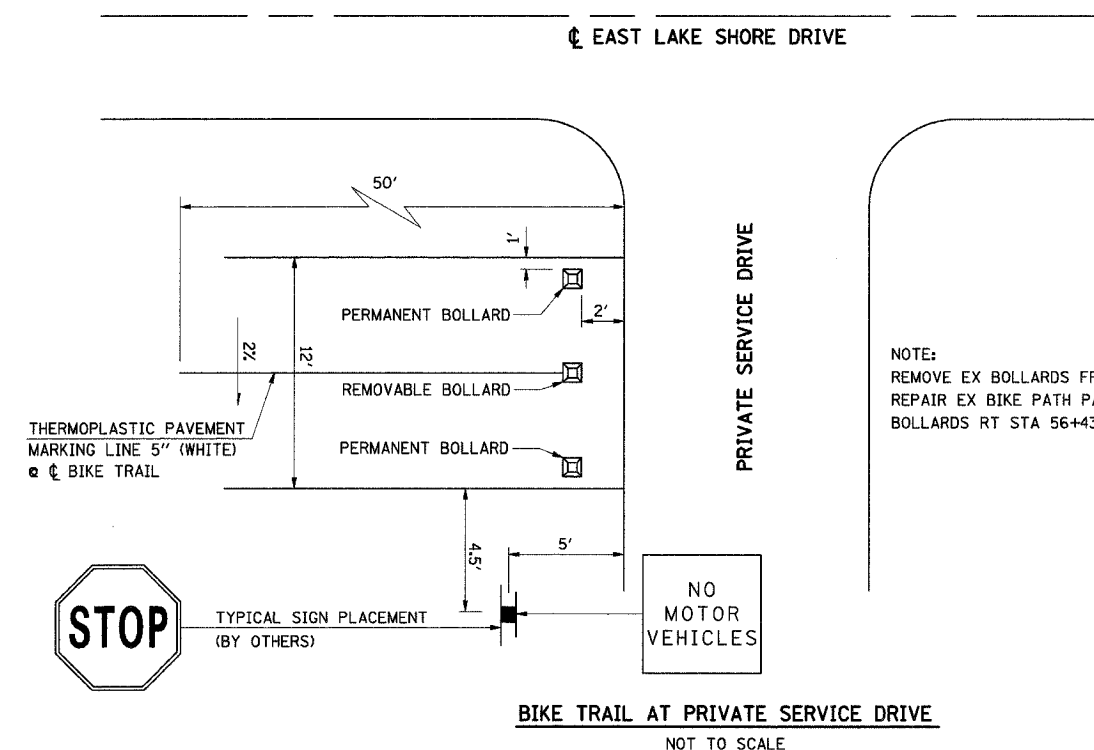
SPECIAL DETAILS

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	97-00030-06-WR	SANGAMON	117	86
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

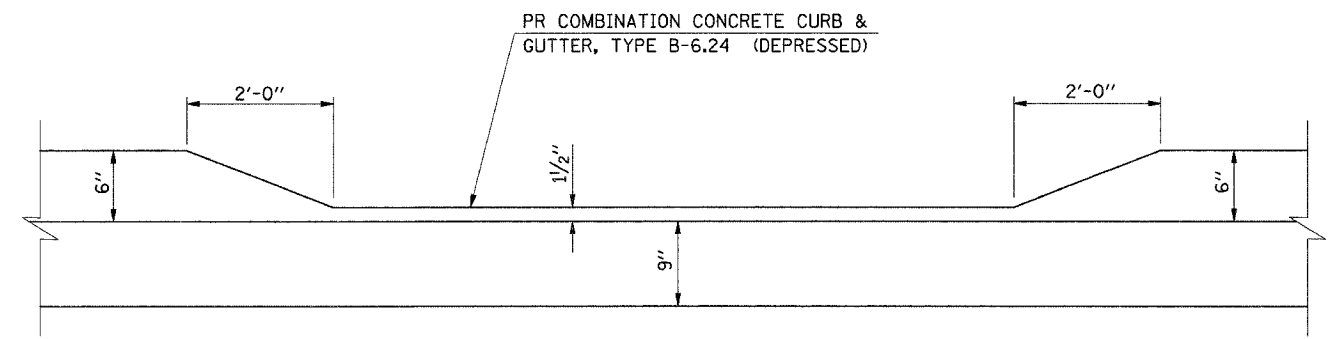


BIKE PATH EXTENSION DETAIL

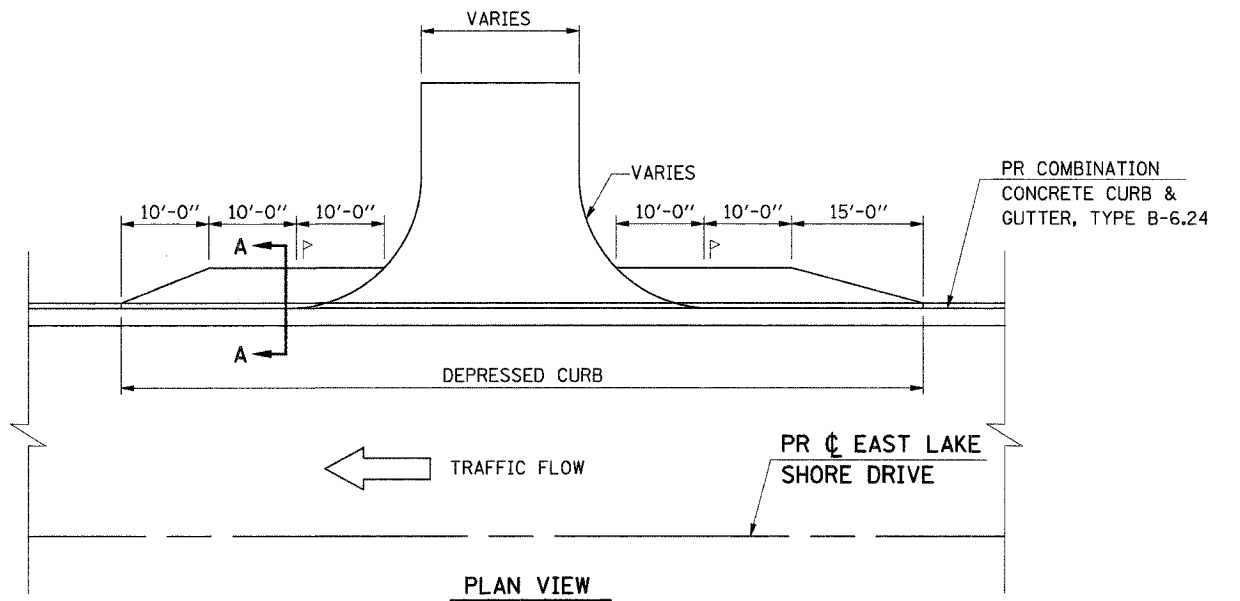


BIKE TRAIL AT PRIVATE SERVICE DRIVE
NOT TO SCALE

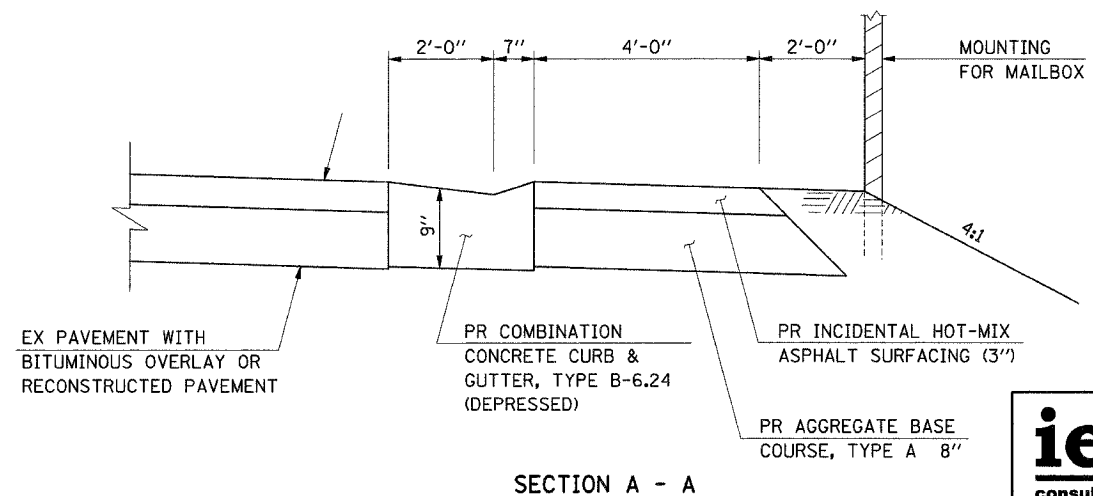
NOTE:
REMOVE EX BOLLARDS FROM RT STA 55+57,
REPAIR EX BIKE PATH PAVEMENT AND RESET
BOLLARDS RT STA 56+43 AS SHOWN.



ELEVATION



PLAN VIEW



SECTION A - A

MAILBOX TURNOUT AND ENTRANCE DETAILS
NOT TO SCALE

ie consultants

IE CONSULTANTS, INC.
6420 SOUTH SIXTH STREET
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FAX: (217) 529-4543
IESPRINGFIELD@IE-CONSULTANTS.COM
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SPECIAL DETAILS

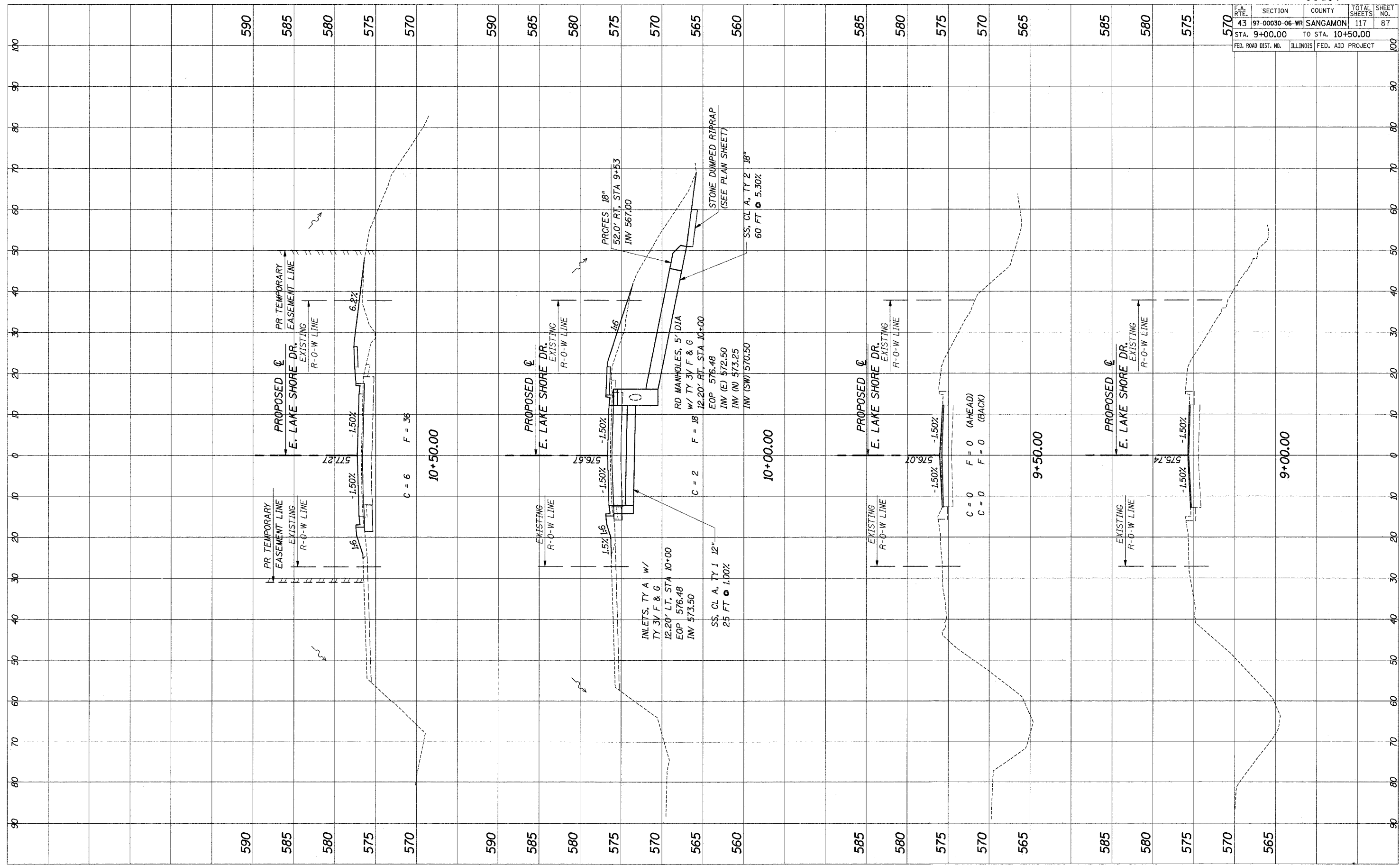
DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JEB	AAD	CMS	4/4/08

4/9/2008

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	87
STA. 9+00.00		TO STA. 10+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY NOTE BOOK NO. _____
 SURVEYED _____
 TEMPLATE _____
 AREAS CHECKED _____

FINAL SURVEY NOTE BOOK NO. _____
 SURVEYED _____
 TEMPLATE _____
 AREAS CHECKED _____

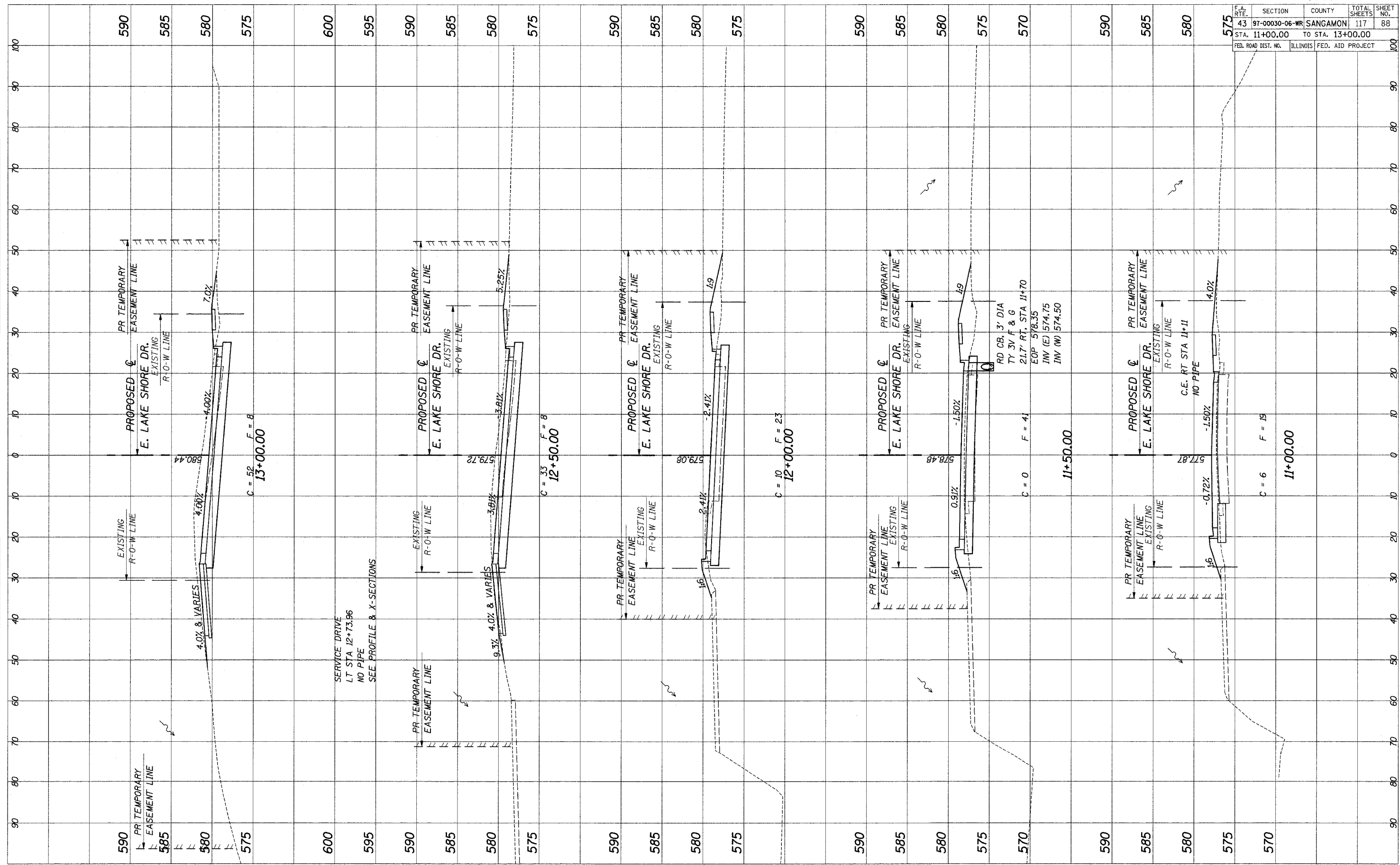


PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	88
STA. 11+00.00		TO STA. 13+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

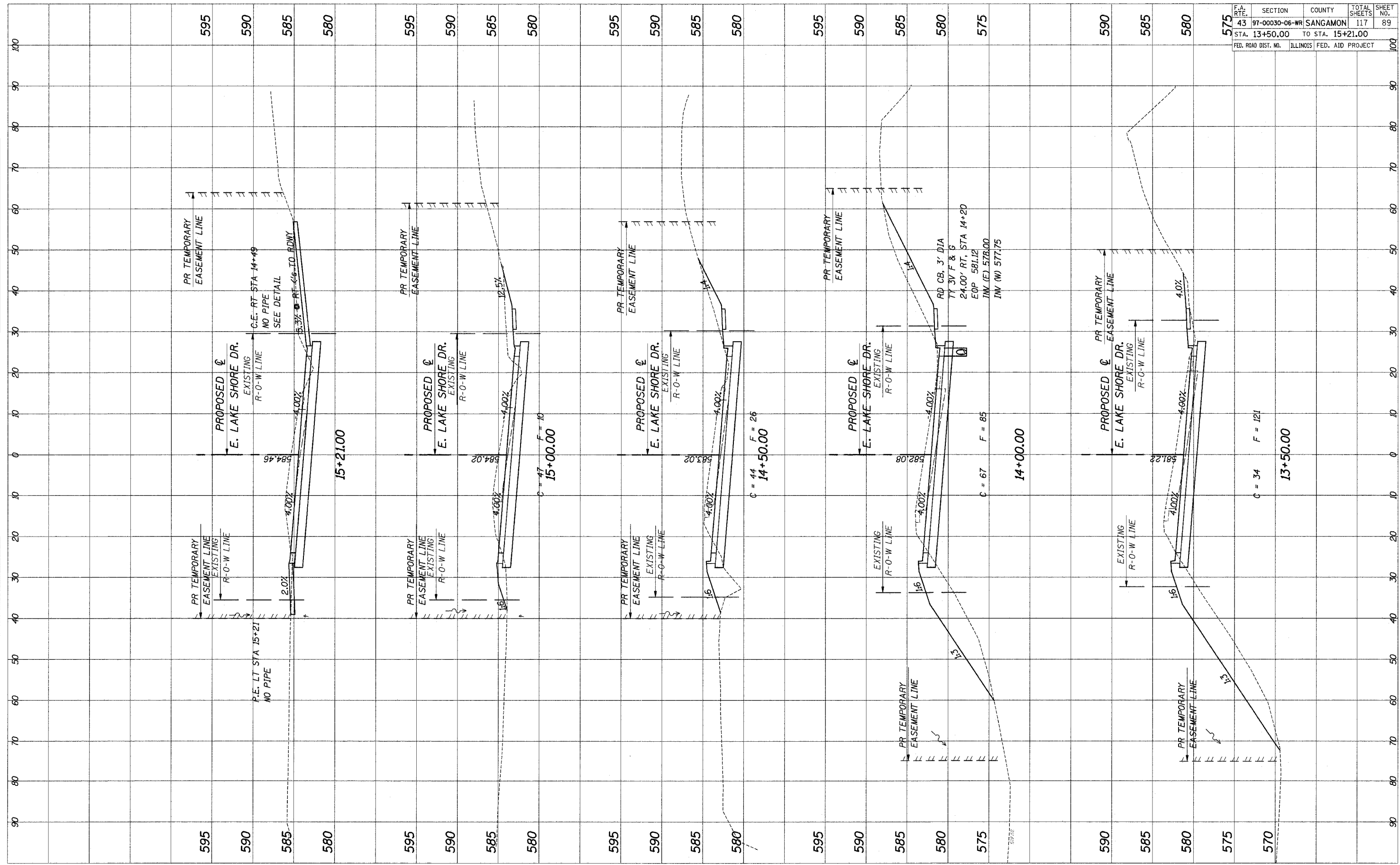


PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

F.A. RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	89
STA. 13+50.00		TO STA. 15+21.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEYED SURVEYED SURVEYED
NOTE BOOK TEMPLATE AREAS CHECKED

ORIGINAL SURVEYED SURVEYED SURVEYED
NOTE BOOK TEMPLATE AREAS CHECKED

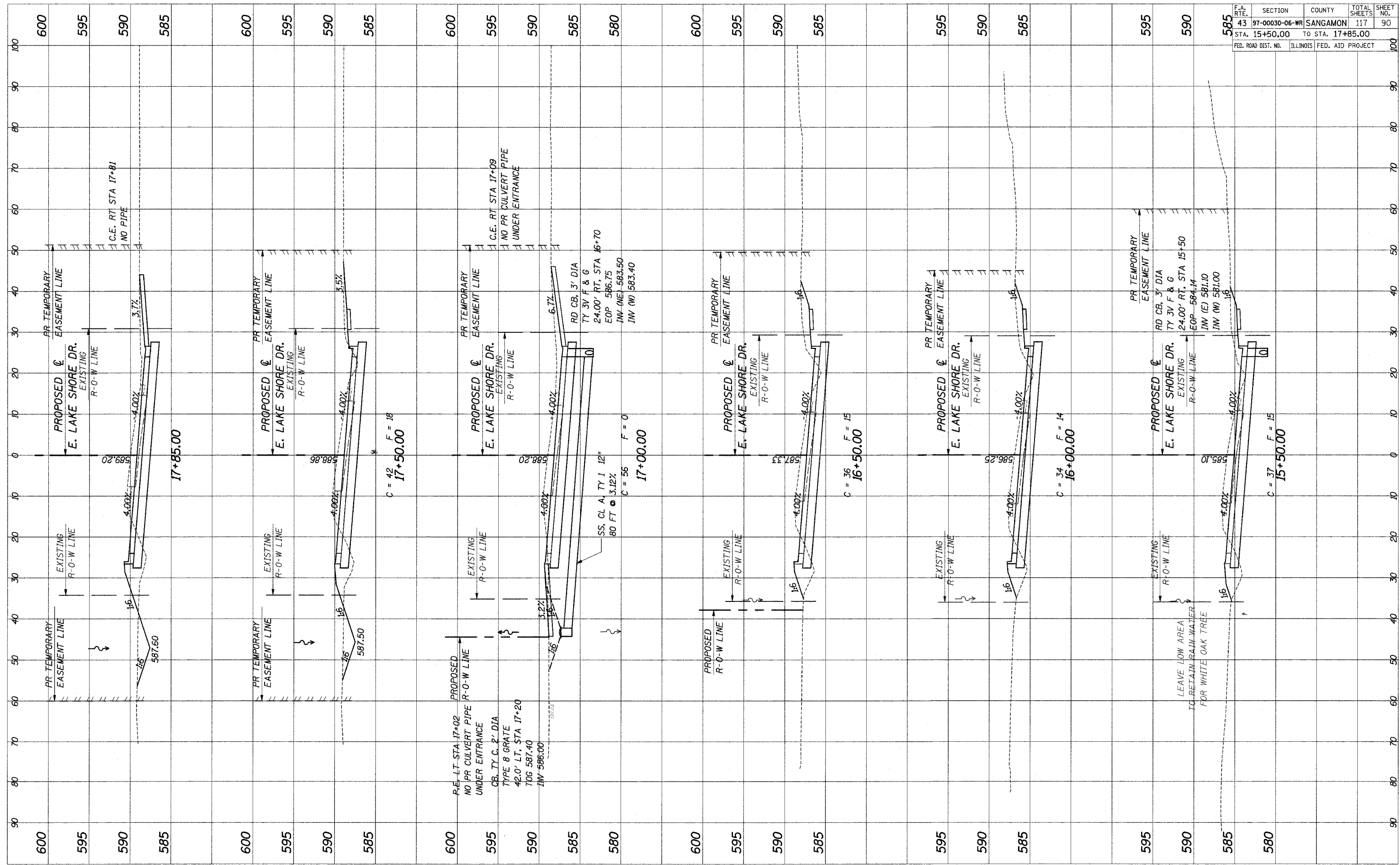


PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	90
STA. 15+50.00		TO STA. 17+85.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NO. _____
NOTE BOOK	NO. _____
AREAS CHECKED	_____

ORIGINAL SURVEY	NO. _____
NOTE BOOK	NO. _____
AREAS CHECKED	_____

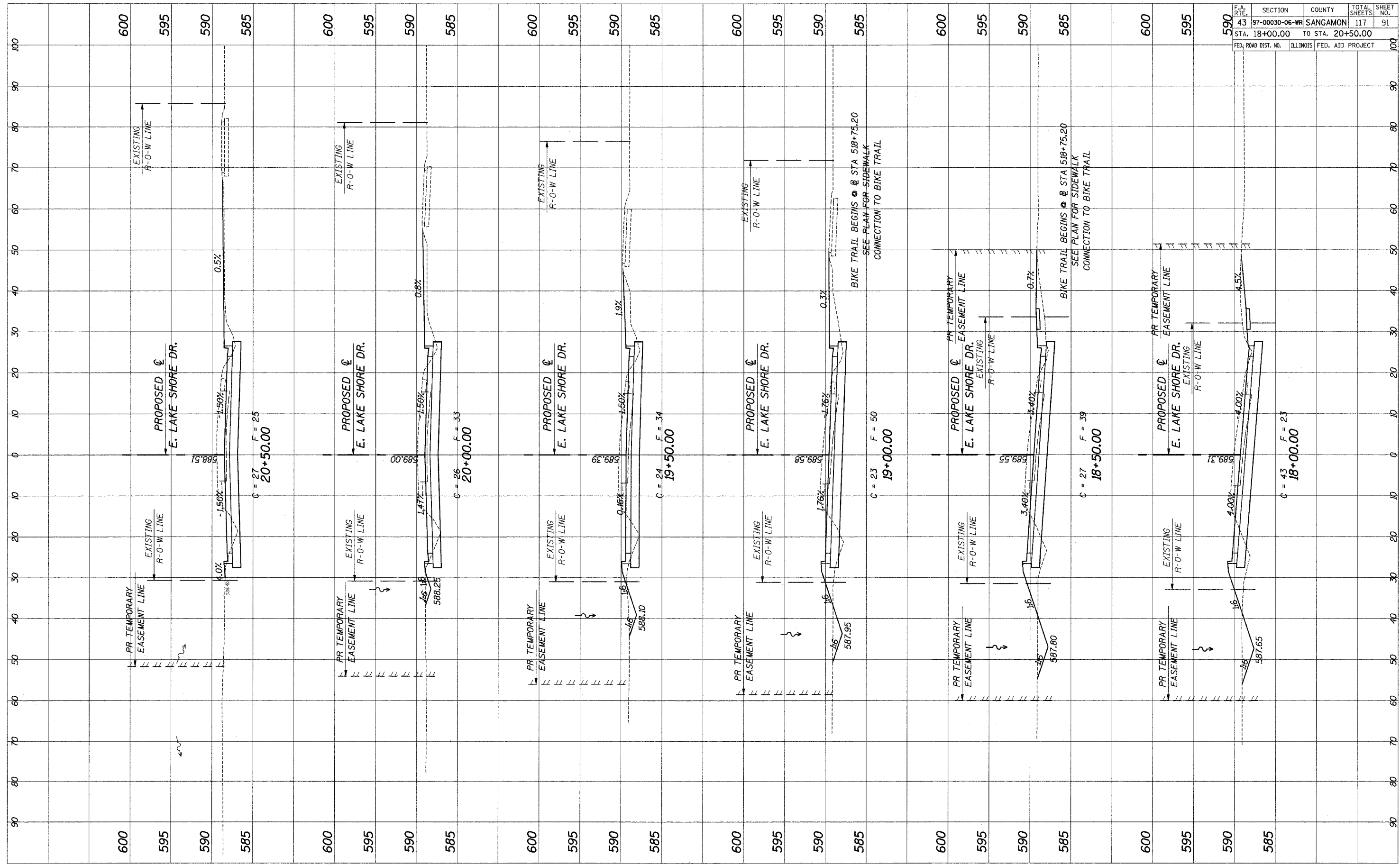


PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	91
STA. 18+00.00		TO STA. 20+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

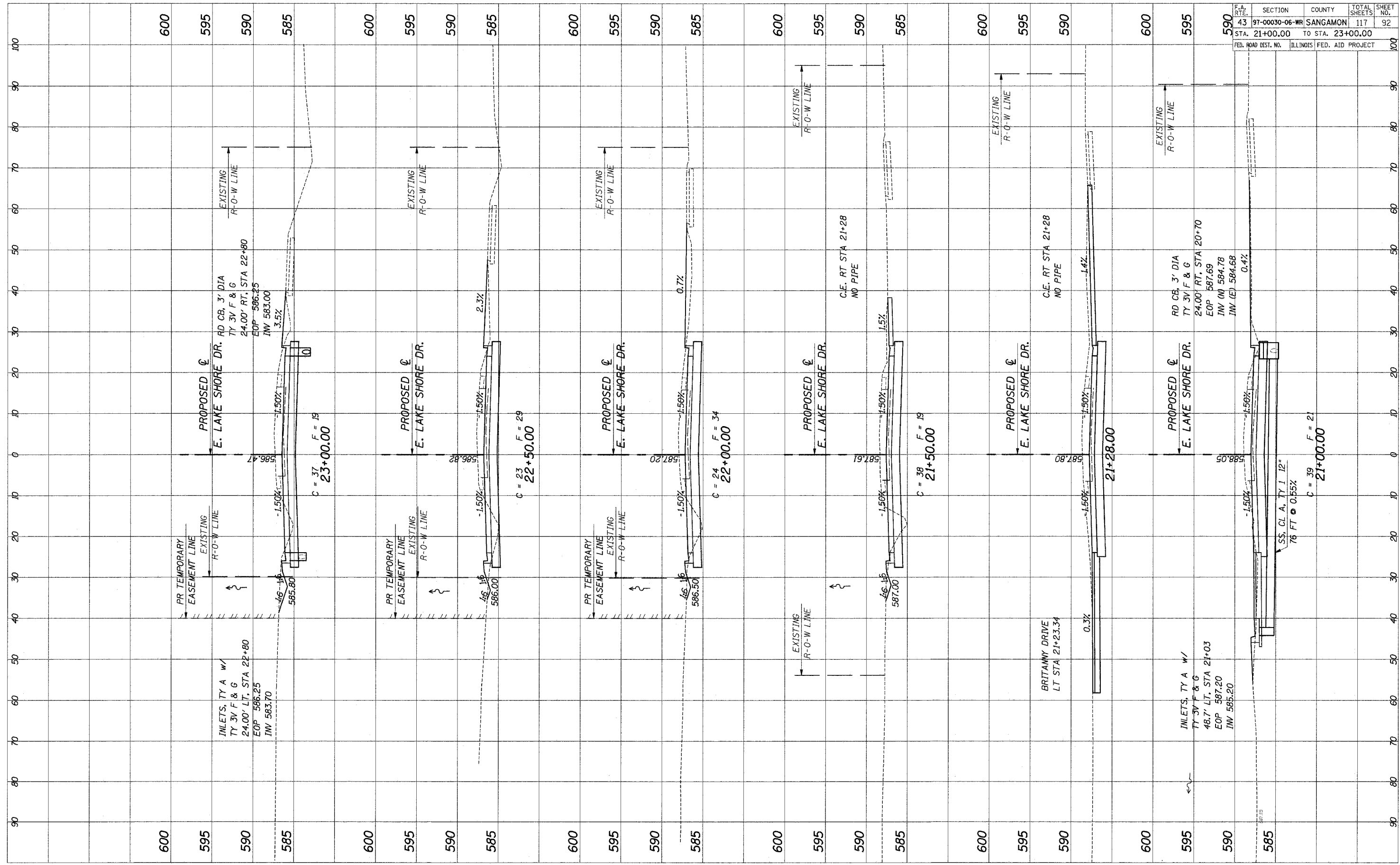


PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	92
STA. 21+00.00		TO STA. 23+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED
NOTE BOOK	TEMPLATE
AREAS	CHECKED
NO.	

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	TEMPLATE
AREAS	CHECKED
NO.	



PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

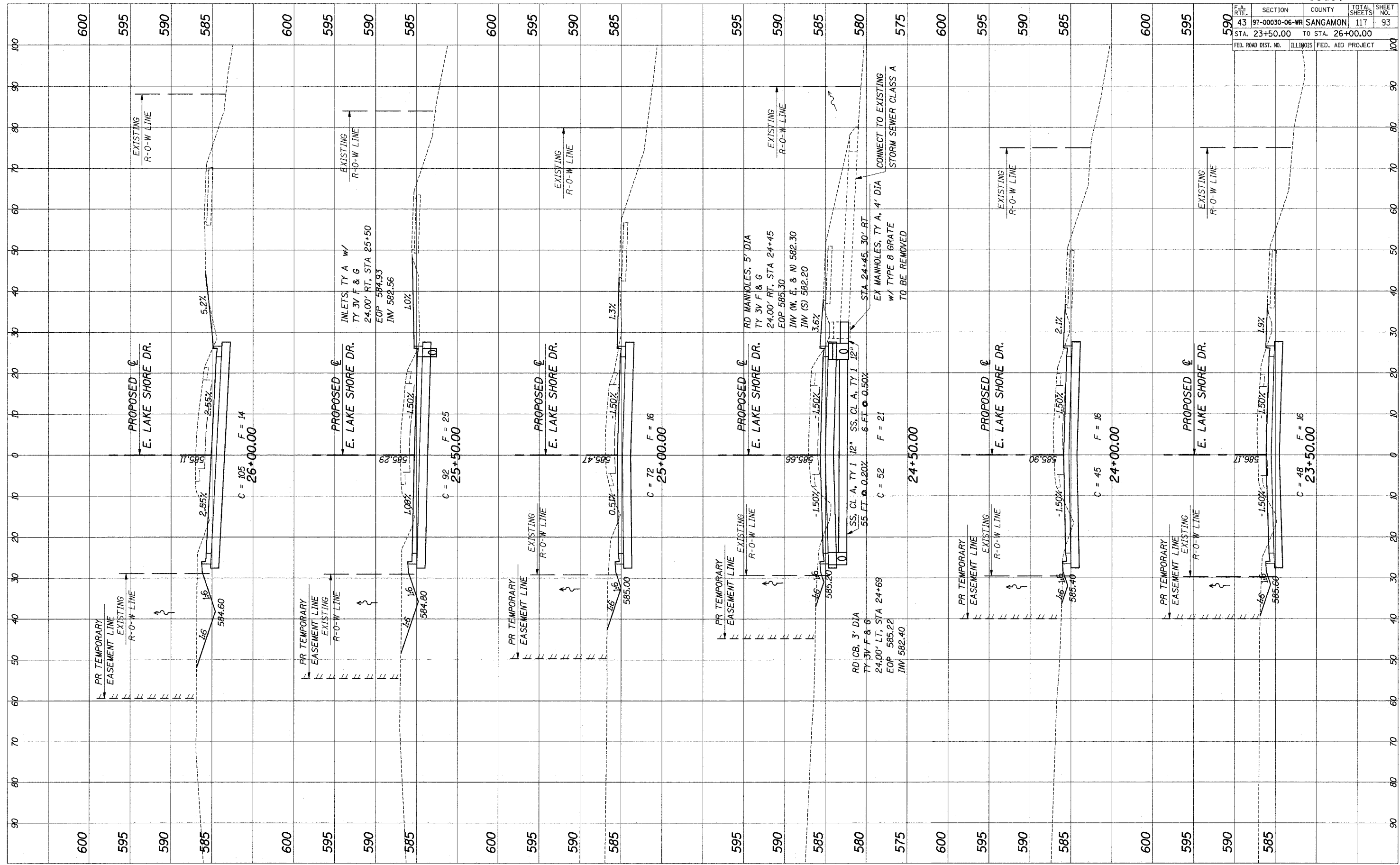
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	93
STA. 23+50.00		TO STA. 26+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL

SURVEYED	DATE
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

ORIGINAL

SURVEYED	DATE
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

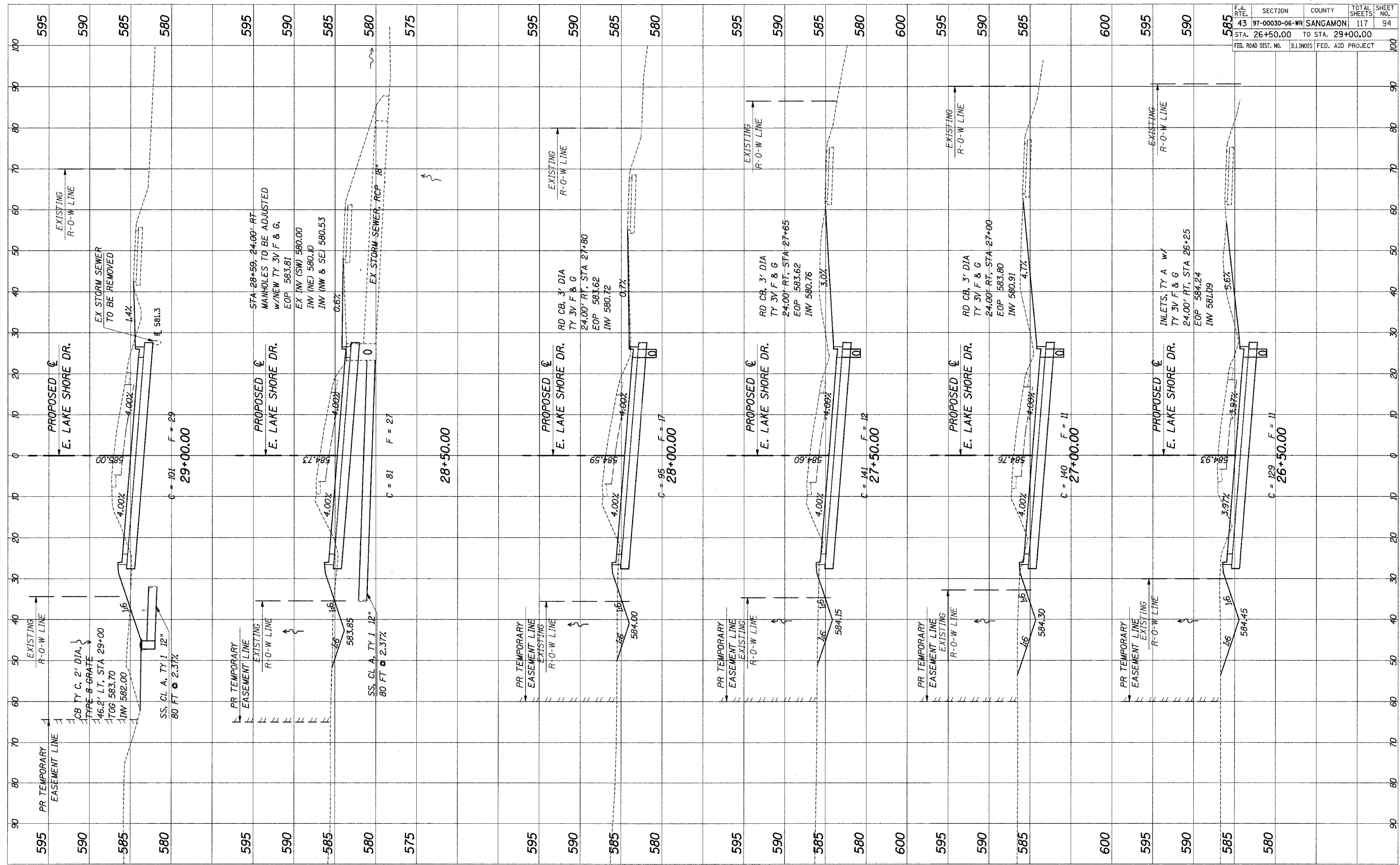


PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	94
STA. 26+50.00		TO STA. 29+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY NOTE BOOK NO. AREAS CHECKED

ORIGINAL SURVEY NOTE BOOK NO. AREAS CHECKED

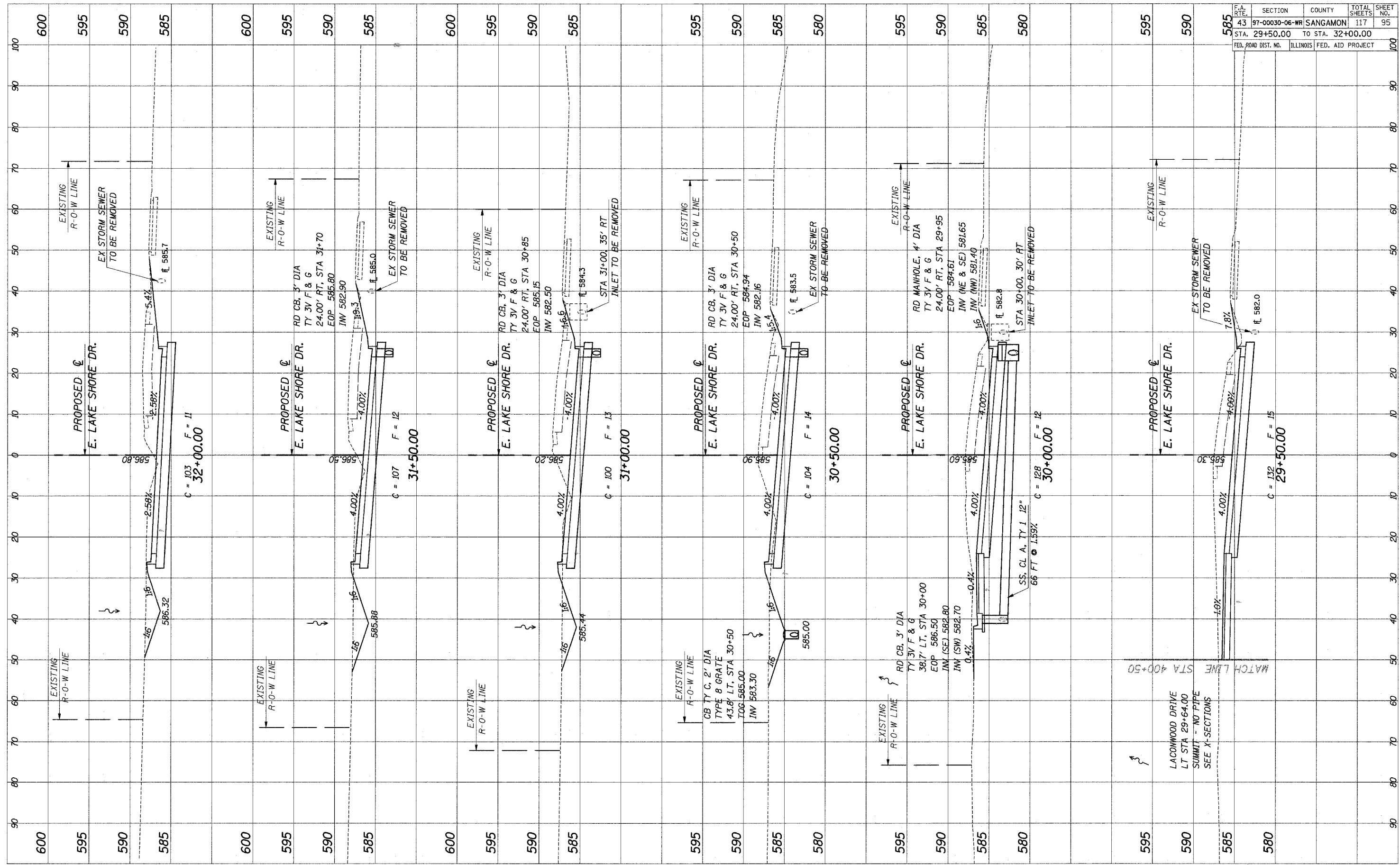


PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	95
STA. 29+50.00		TO STA. 32+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEYED SURVEY
 NOTE BOOK TEMPLATE
 AREAS CHECKED

ORIGINAL SURVEYED SURVEY
 NOTE BOOK TEMPLATE
 AREAS CHECKED



PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

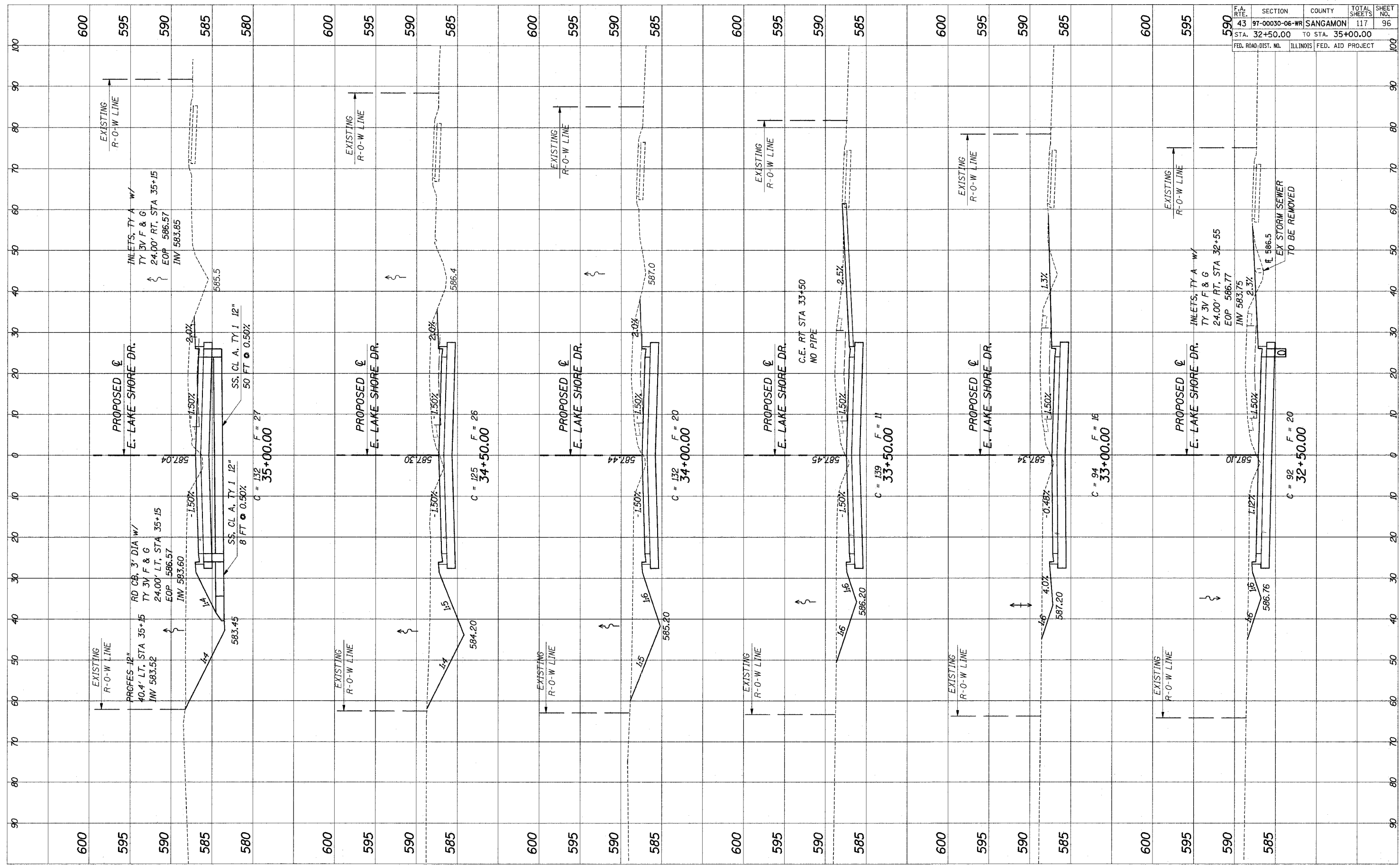
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	96
STA. 32+50.00	TO STA. 35+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL

SURVEYED	DATE
SYMBOL	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

ORIGINAL

SURVEYED	DATE
SYMBOL	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

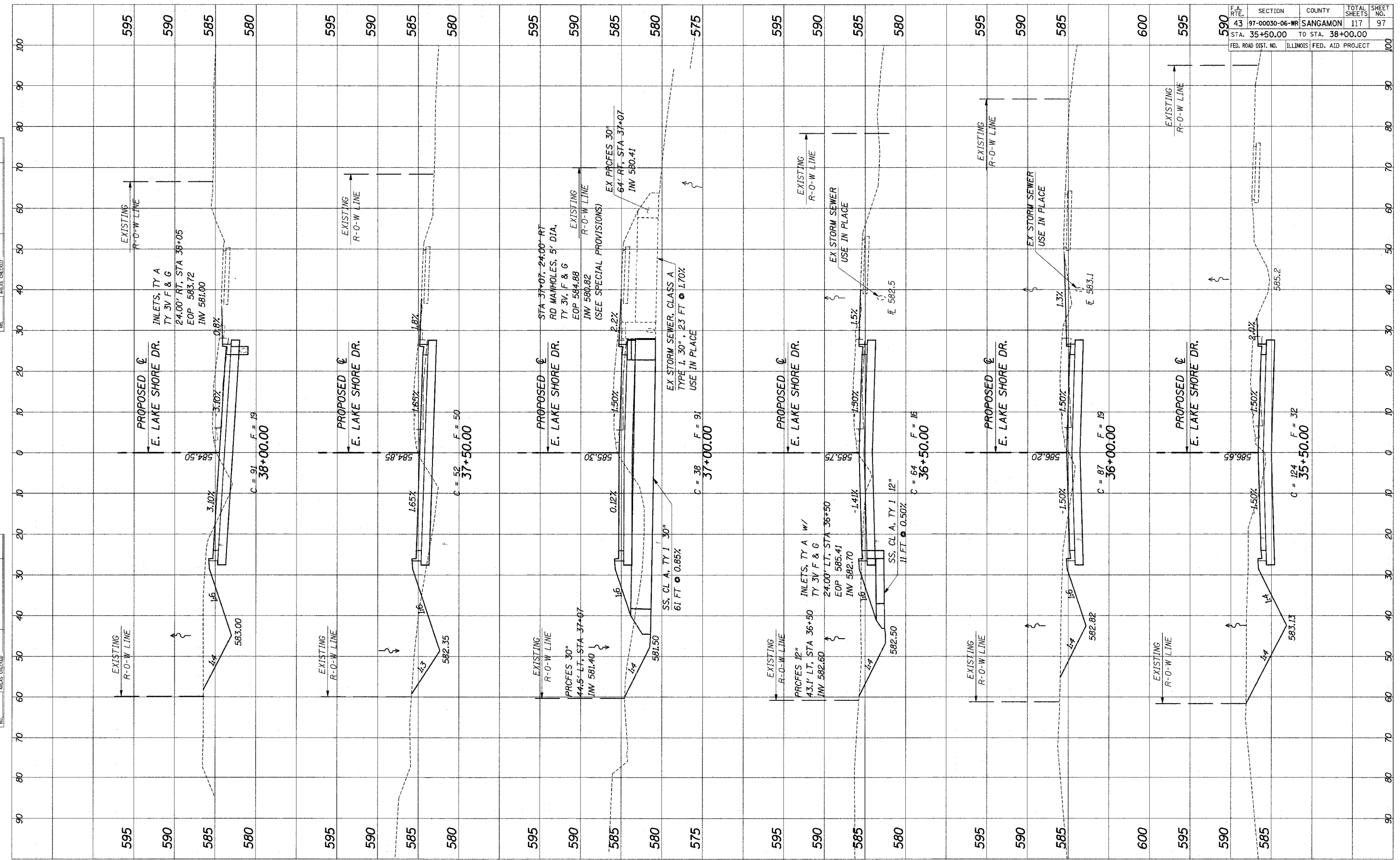


PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	97
STA. 35+50.00		TO STA. 38+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NO.	DATE	BY	REVISION

NO.	DATE	BY	REVISION

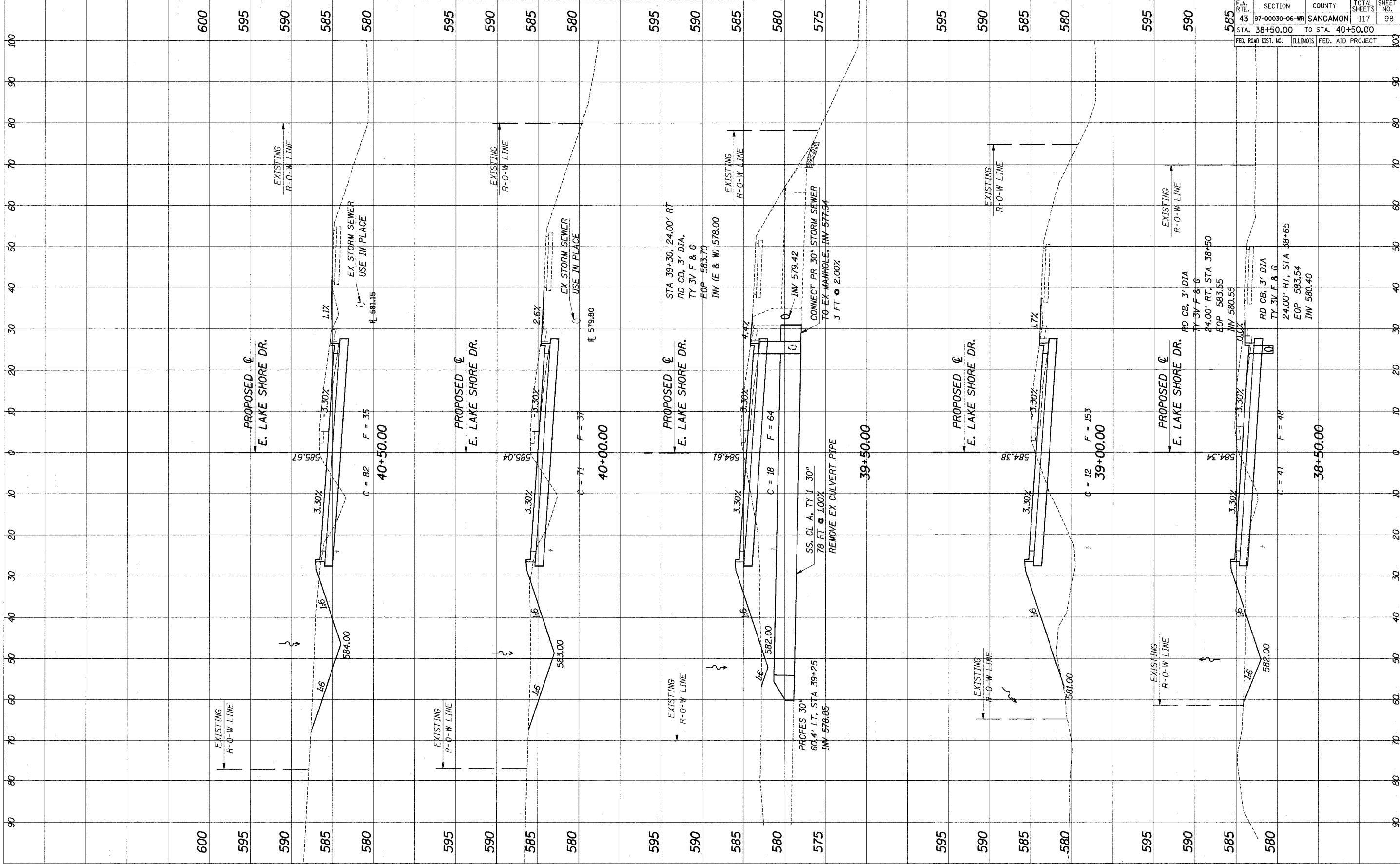


PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	98
STA. 38+50.00		TO STA. 40+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FILED	SERVED	DATE
SHEET	PLOTTED	
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

ORIGINAL	SERVED	DATE
SHEET	PLOTTED	
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

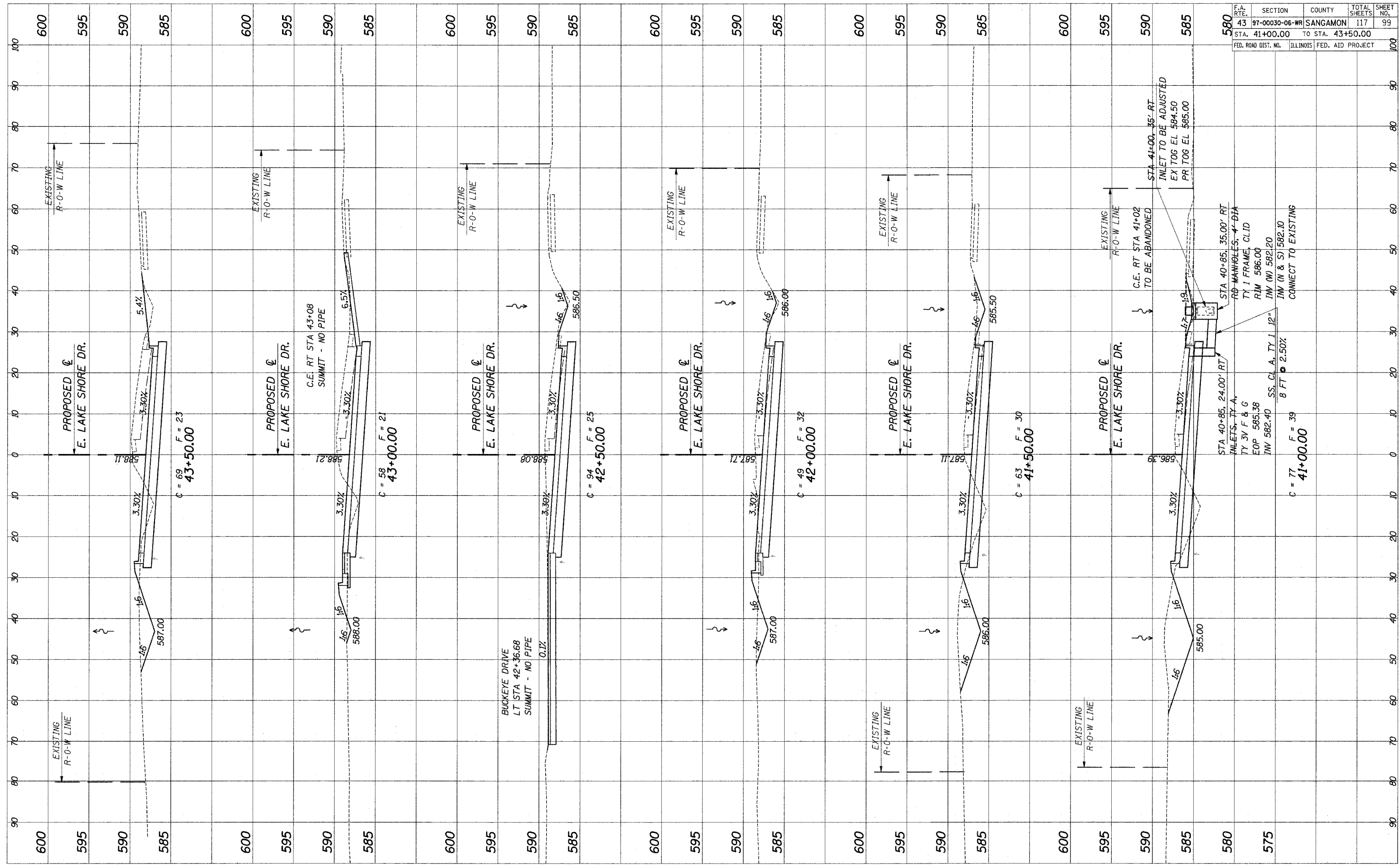


PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

F.A. RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	99
STA. 41+00.00		TO STA. 43+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED
NOTE BOOK	TEMPLATE
AREAS CHECKED	AREAS CHECKED

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	TEMPLATE
AREAS CHECKED	AREAS CHECKED

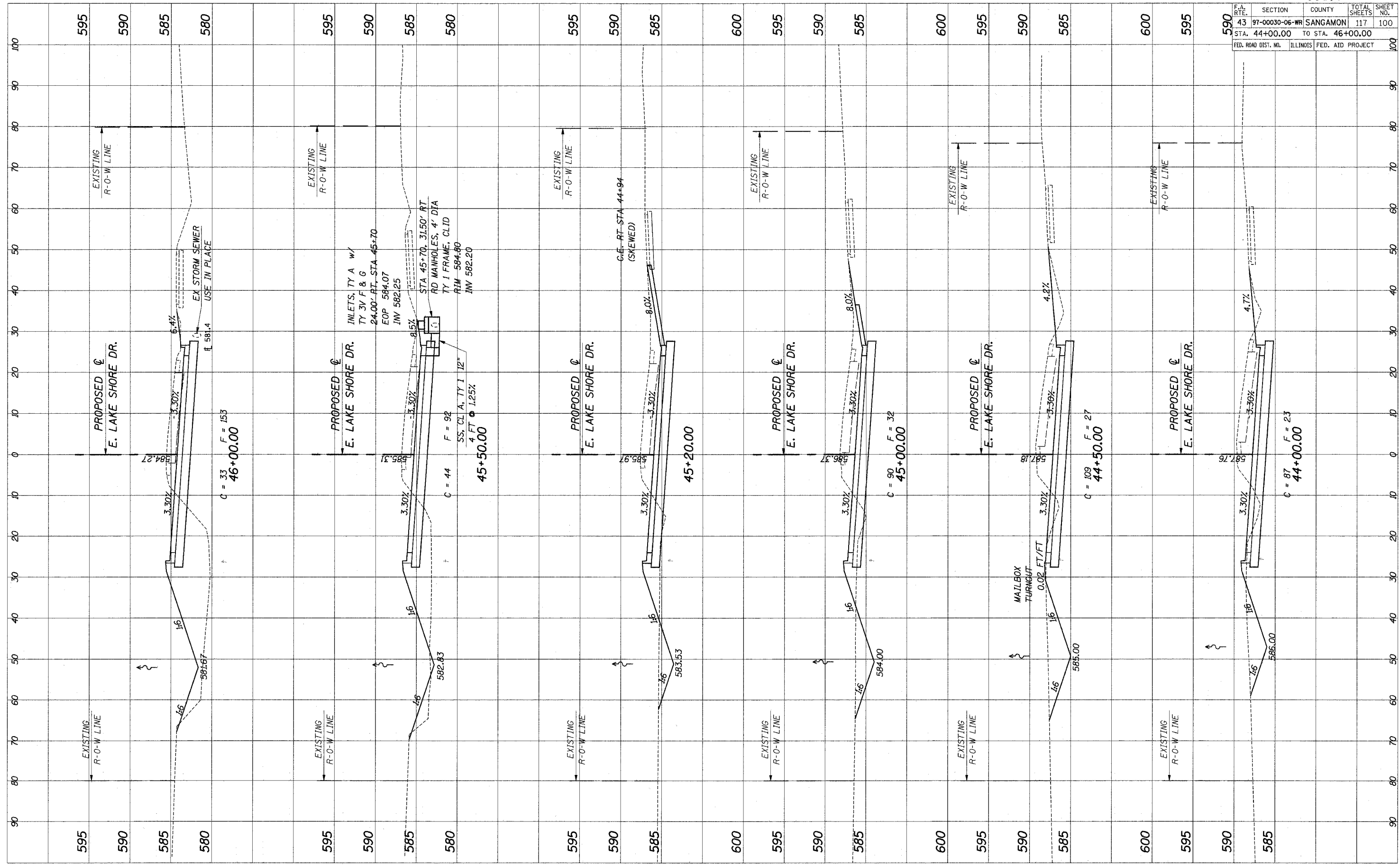


PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	100
STA. 44+00.00		TO STA. 46+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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ORIGINAL SURVEY NOTE BOOK NO. []
 SURVEY TEMPLATE AREAS CHECKED []

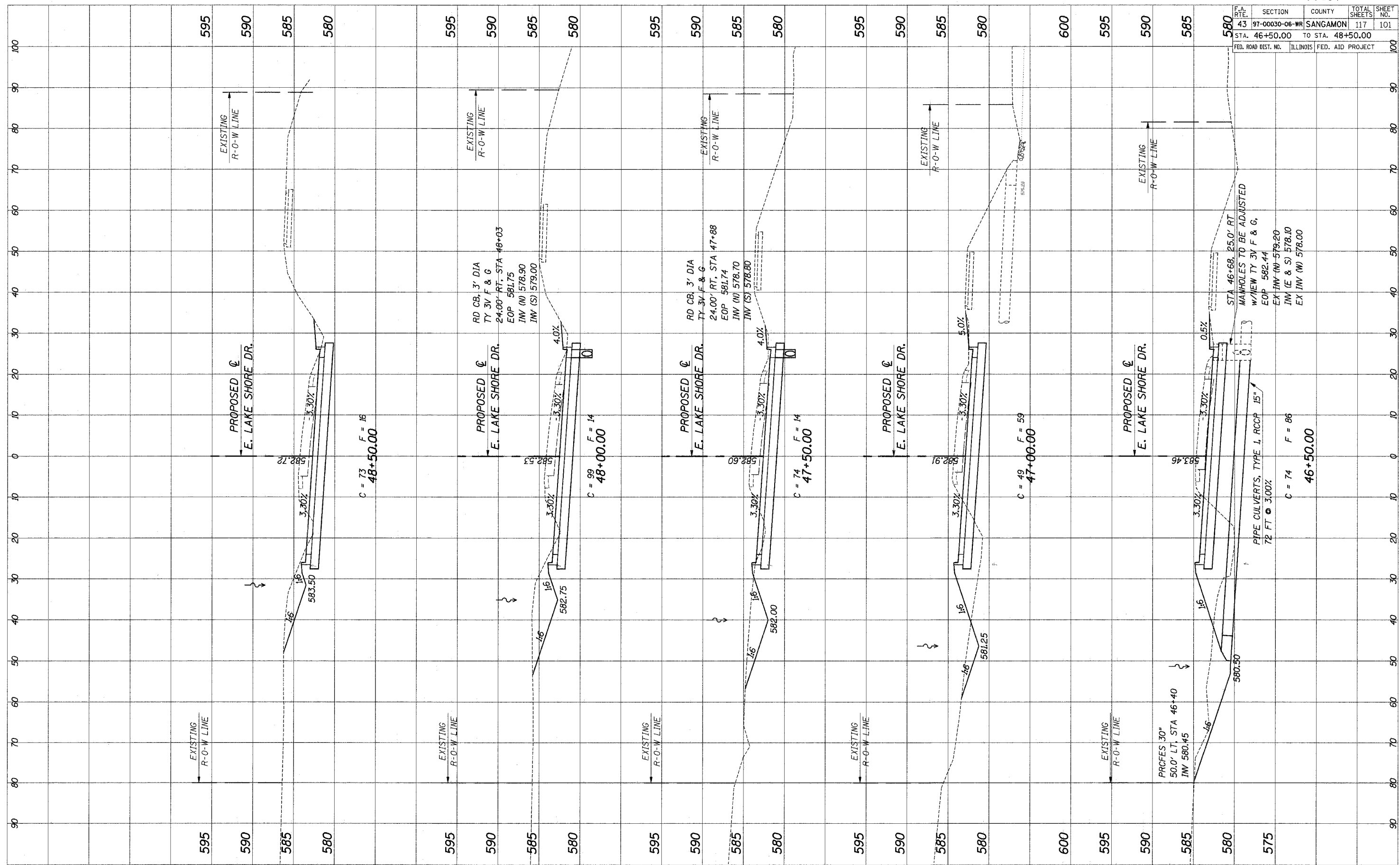


PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	101
STA. 46+50.00		TO STA. 48+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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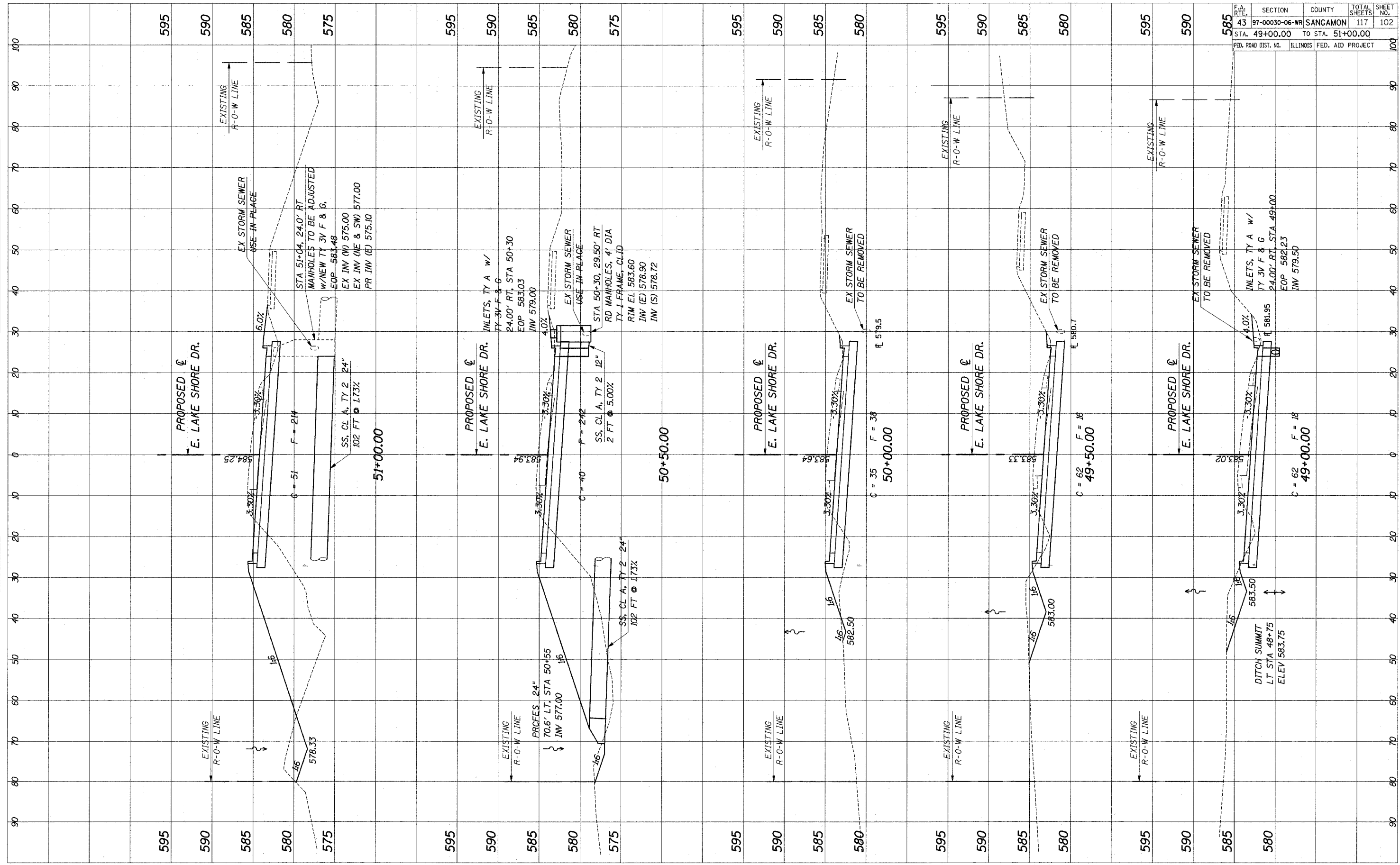


PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	102
STA. 49+00.00		TO STA. 51+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	SURVEYED
NOTE BOOK	TEMPLATE
NO.	AREAS CHECKED

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	TEMPLATE
NO.	AREAS CHECKED

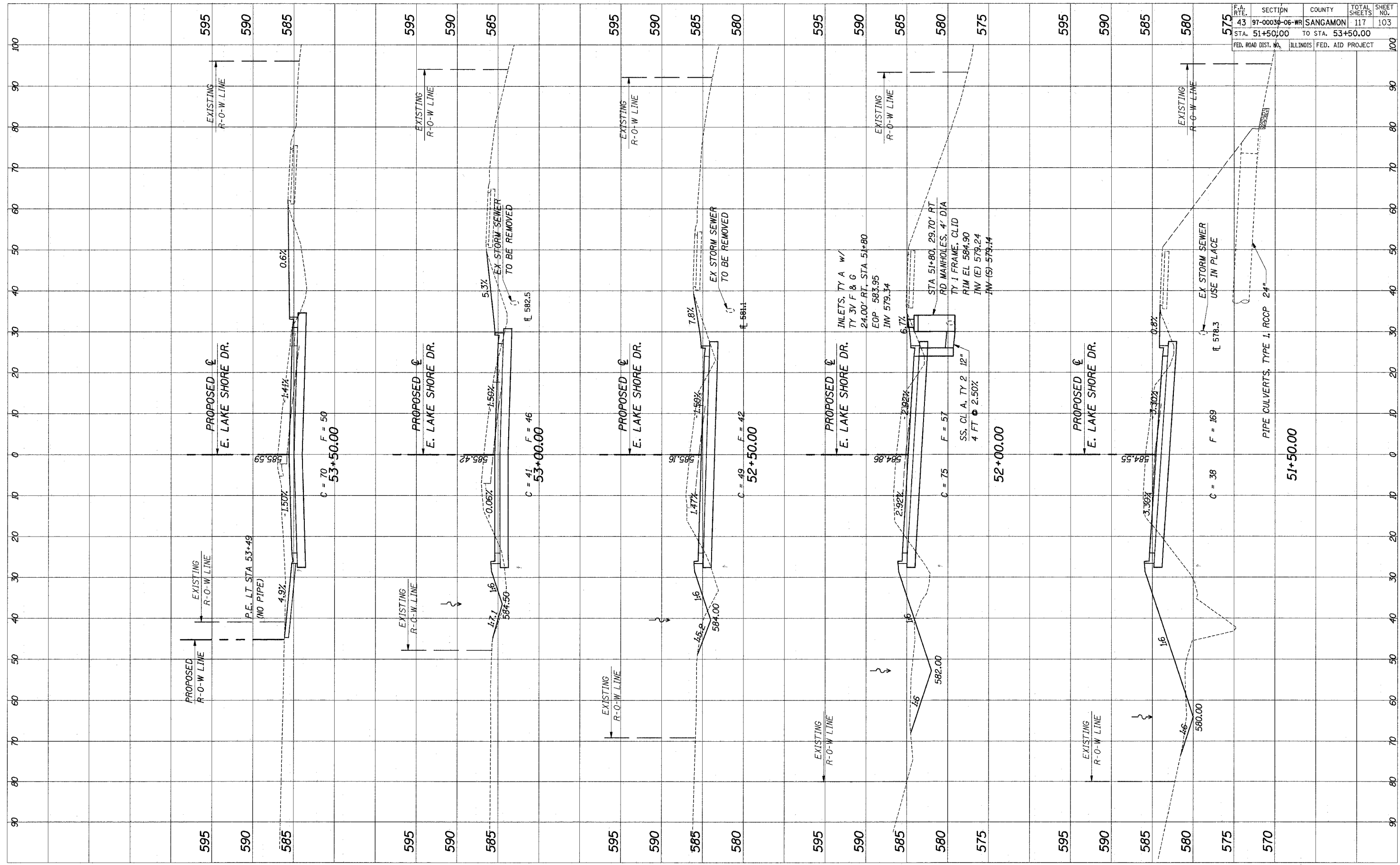


PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

F.A. RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	103
STA. 51+50.00		TO STA. 53+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

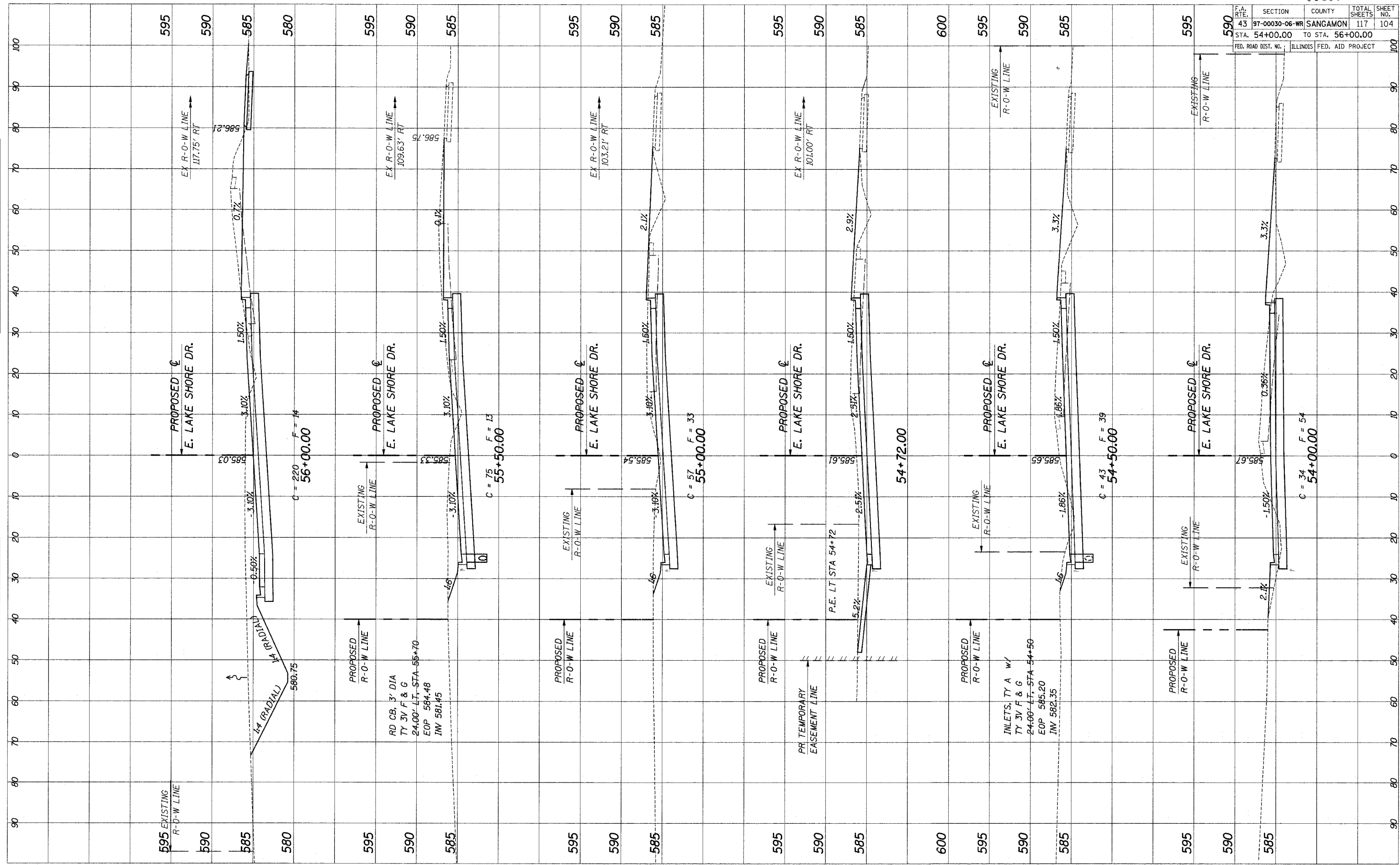


PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	104
STA. 54+00.00		TO STA. 56+00.00		
ILLINOIS		FED. AID PROJECT		

FINAL SURVEYED SURVEY TEMPLATE
NOTE BOOK NO. AREAS CHECKED

ORIGINAL SURVEYED SURVEY TEMPLATE
NOTE BOOK NO. AREAS CHECKED



PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

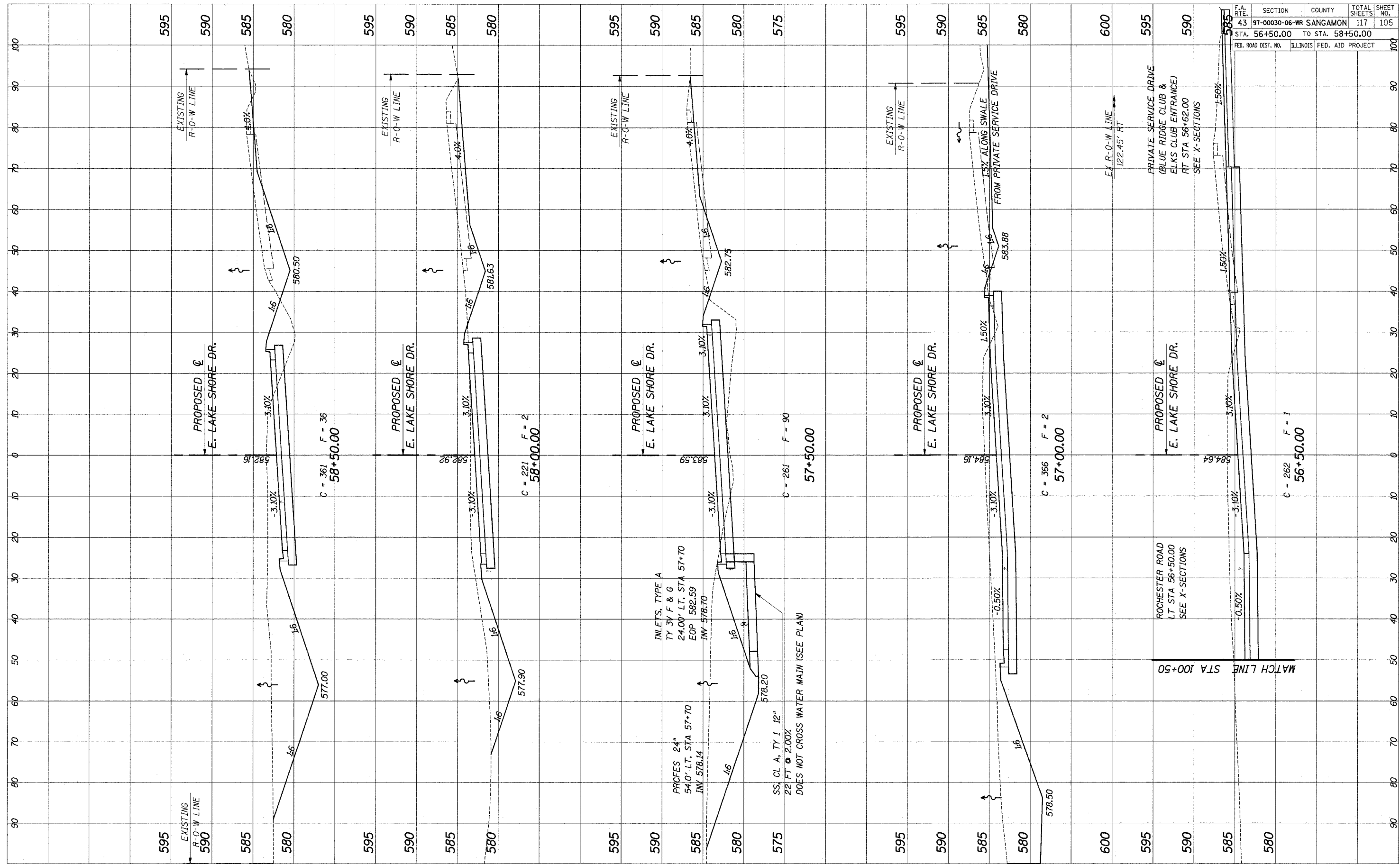
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	105
STA. 56+50.00		TO STA. 58+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY NOTE BOOK NO.

SURVEYED	DATE
TEMPLATE	
AREAS CHECKED	

ORIGINAL SURVEY NOTE BOOK NO.

SURVEYED	DATE
TEMPLATE	
AREAS CHECKED	

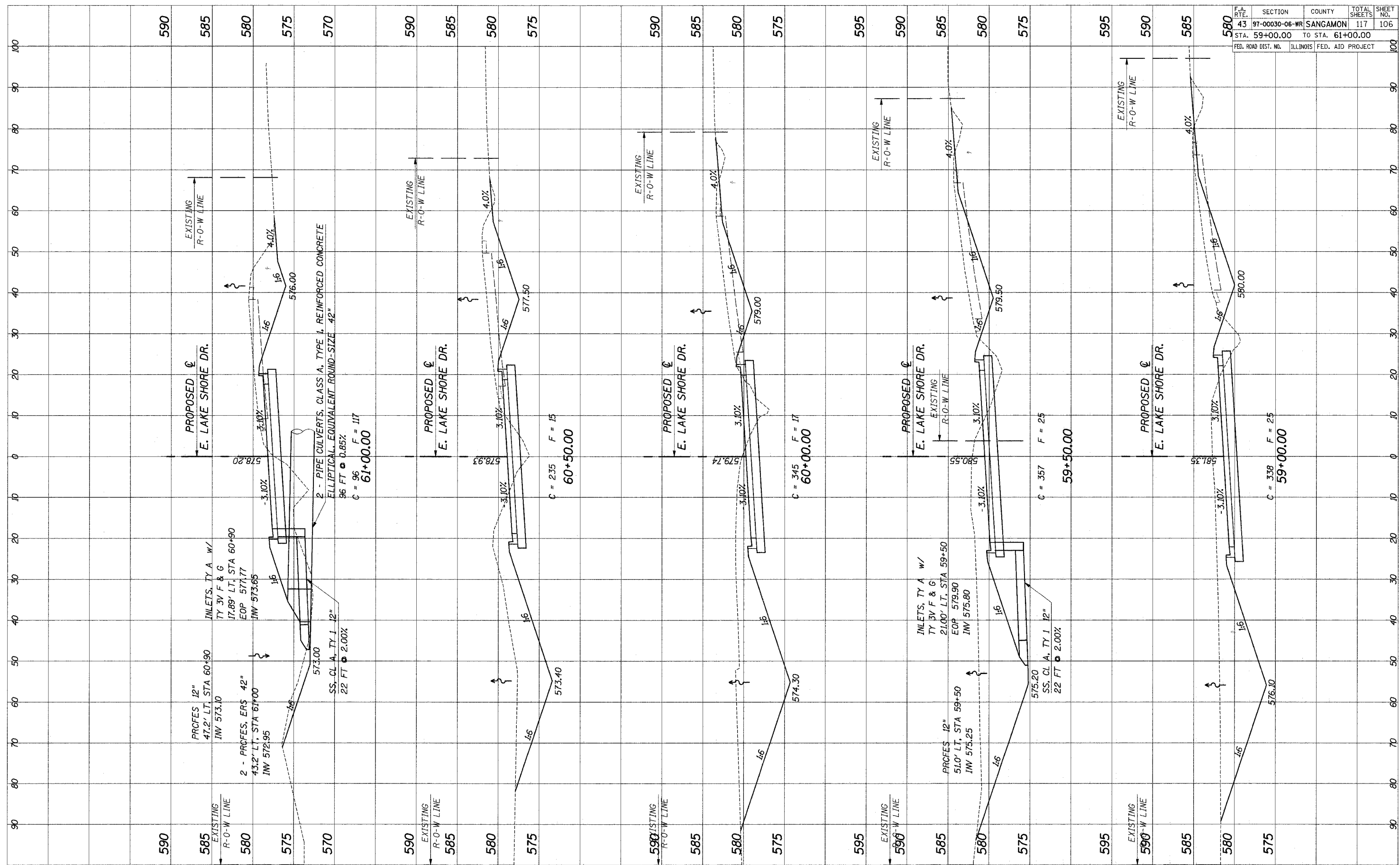


PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	106
STA. 59+00.00		TO STA. 61+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEYED SURVEY TEMPLATE AREAS CHECKED

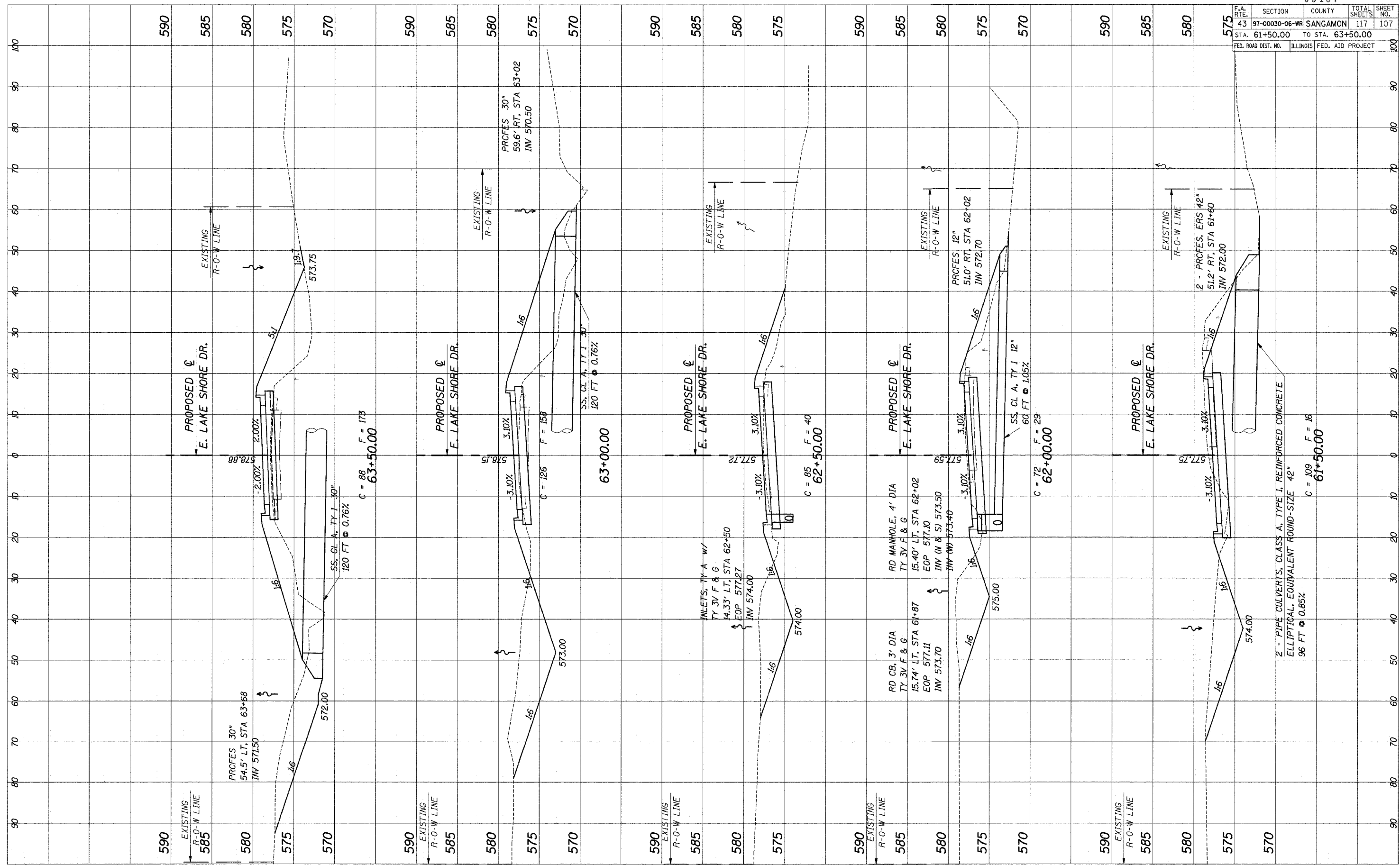
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PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

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

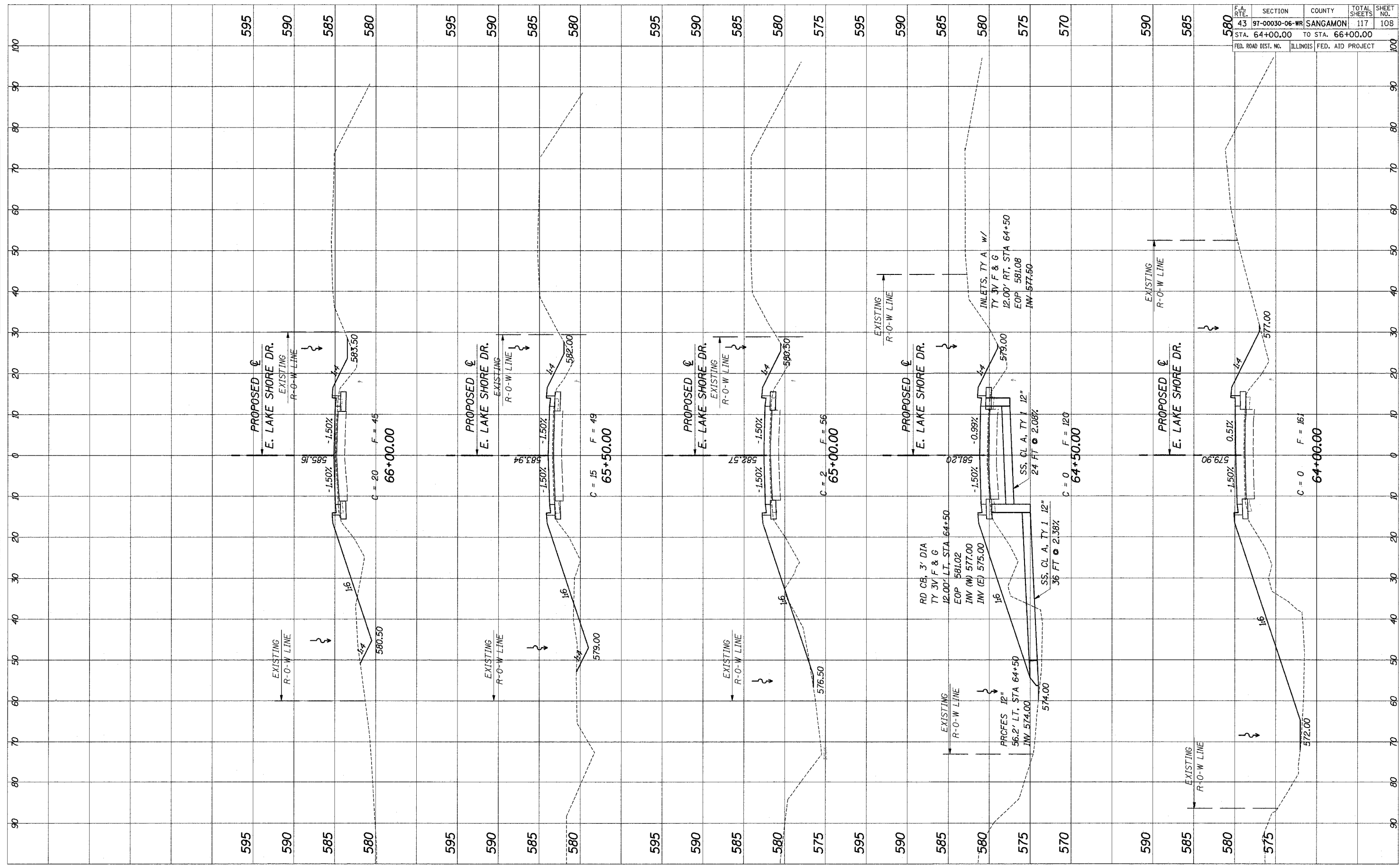
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 SURVEY SURVEY
 NOTE BOOK TEMPLATE
 NO. AREAS CHECKED



93467		TOTAL SHEETS	
F.A. RTE.	SECTION	COUNTY	SHEET NO.
43	97-00030-06-WR	SANGAMON	117
STA. 61+50.00		TO STA. 63+50.00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	108
STA. 64+00.00		TO STA. 66+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

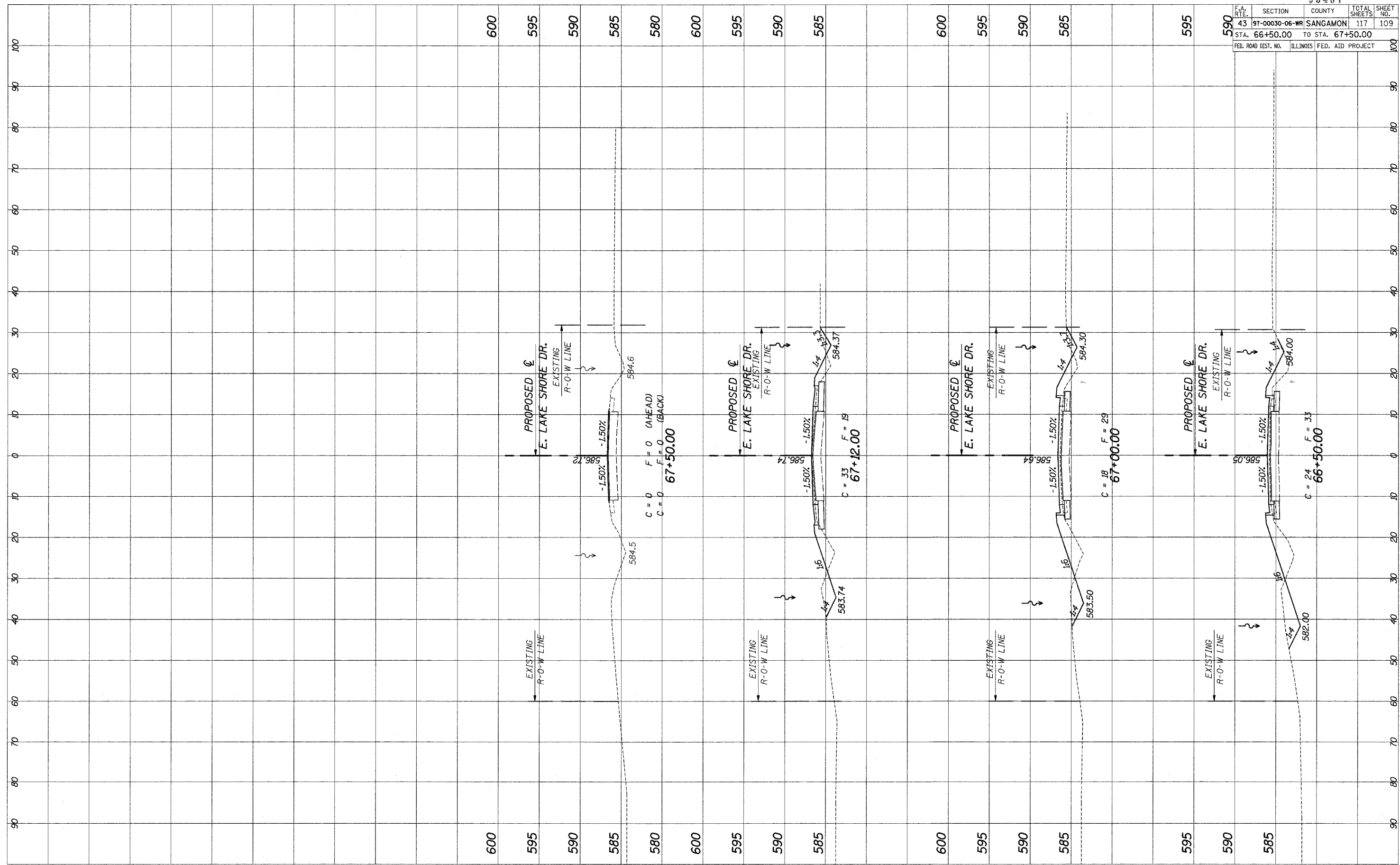
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ORIGINAL SURVEYED SURVEYED SURVEYED SURVEYED
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 NOTE BOOK TEMPLATE TEMPLATE
 NO. NO. NO. NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	109
STA. 66+50.00		TO STA. 67+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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



PROPOSED EAST LAKE SHORE DRIVE CROSS-SECTIONS

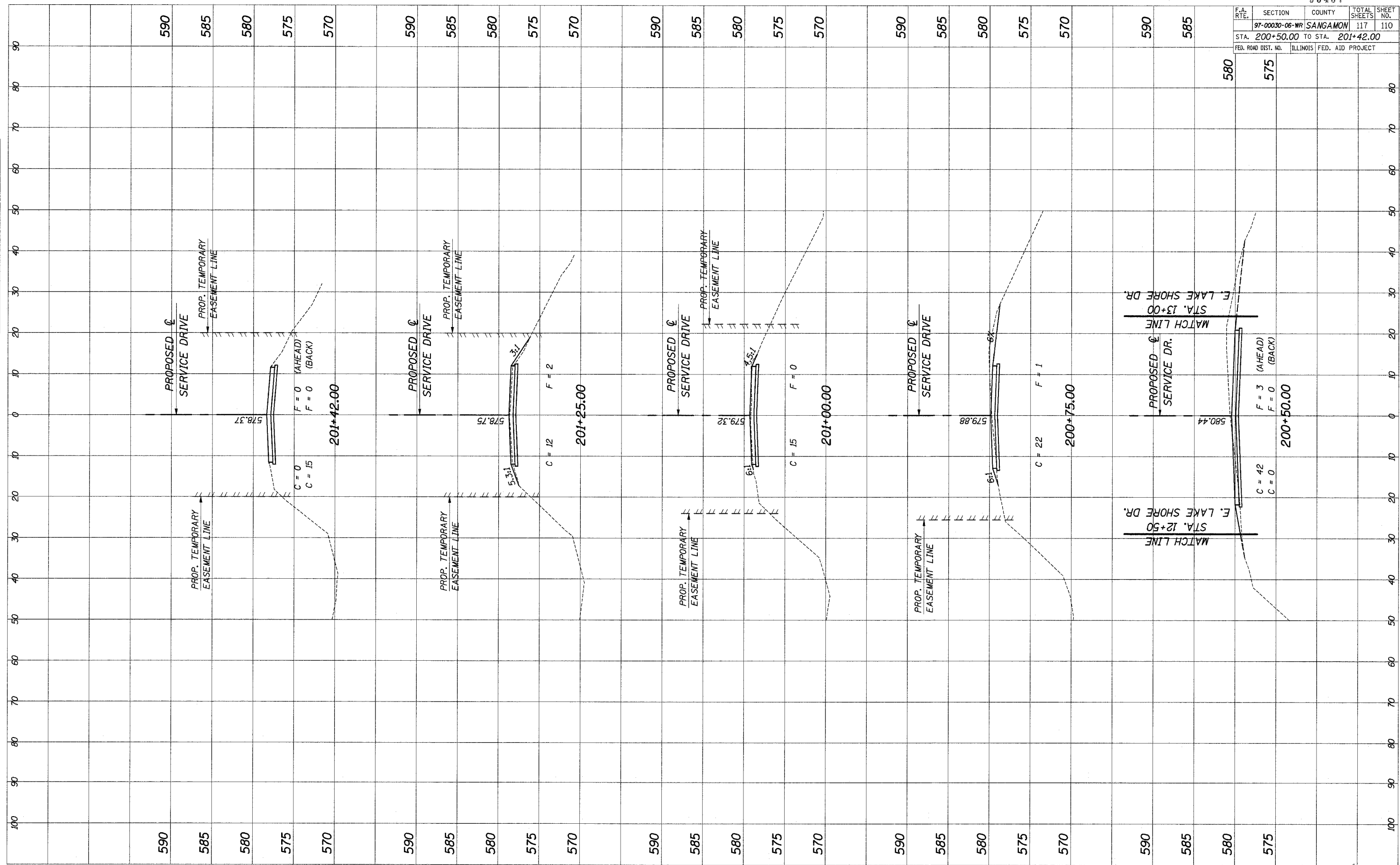
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	97-00030-06-WR	SANGAMON	117	110
STA. 200+50.00 TO STA. 201+42.00				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY NOTE BOOK NO.

SURVEYED SURVEY TEMPLATE AREAS CHECKED

ORIGINAL SURVEY NOTE BOOK NO.

SURVEYED SURVEY TEMPLATE AREAS CHECKED

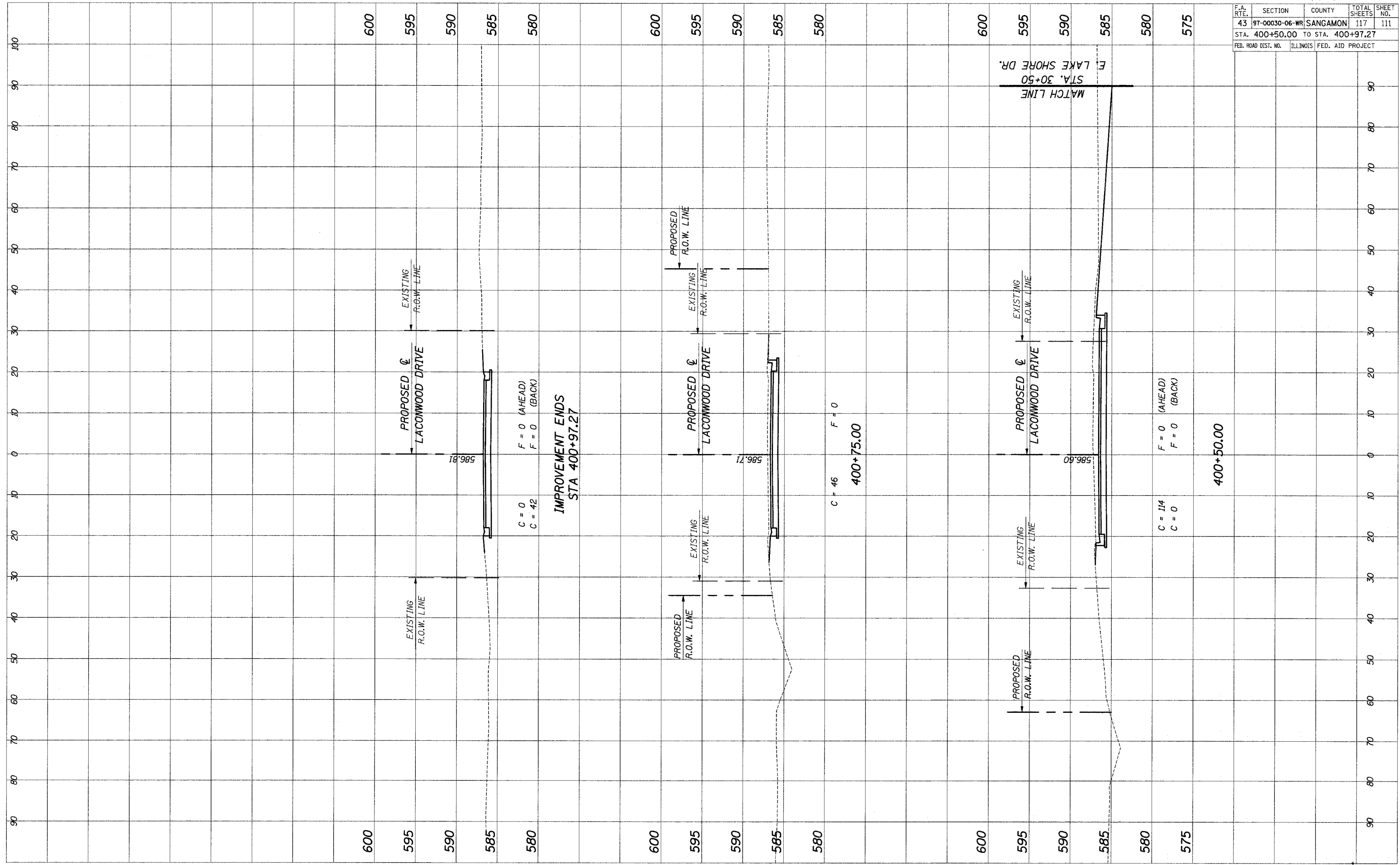


PROPOSED SERVICE DRIVE CROSS-SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
43	97-00030-06-WR	SANGAMON	117	111
STA. 400+50.00 TO STA. 400+97.27				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED
NOTE BOOK	TEMPLATE
NO.	AREAS CHECKED

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	TEMPLATE
NO.	AREAS CHECKED

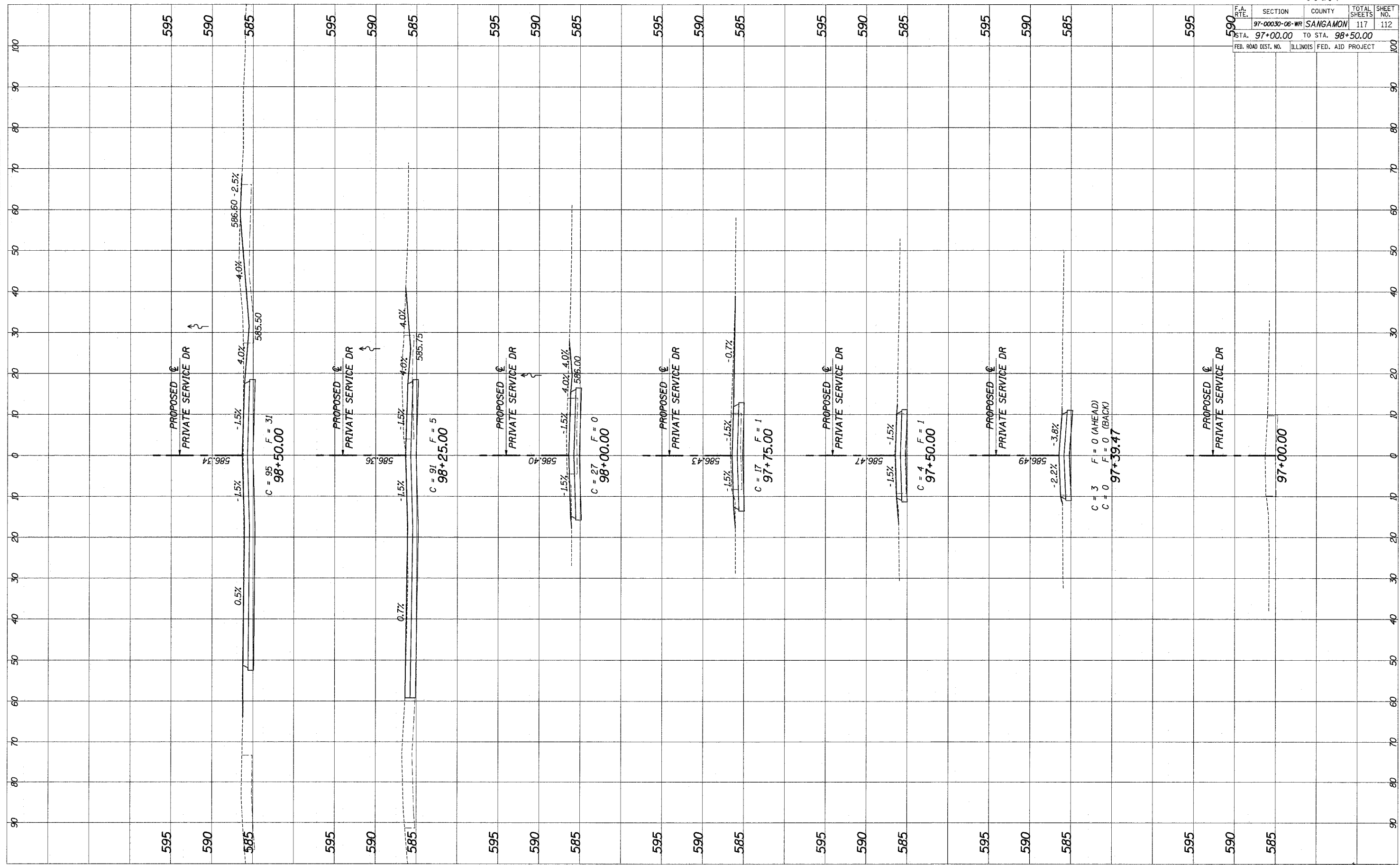


CROSS SECTIONS LACONWOOD DRIVE STA 400+50.00 TO STA 400+97.27

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
590	97-00030-06-WR	SANGAMON	117	112
STA. 97+00.00		TO STA. 98+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY SURVEYED SURVEYED SURVEYED SURVEYED
 NOTE BOOK TEMPLATE AREAS CHECKED AREAS CHECKED AREAS CHECKED AREAS CHECKED
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ORIGINAL SURVEY SURVEYED SURVEYED SURVEYED SURVEYED
 NOTE BOOK TEMPLATE AREAS CHECKED AREAS CHECKED AREAS CHECKED AREAS CHECKED
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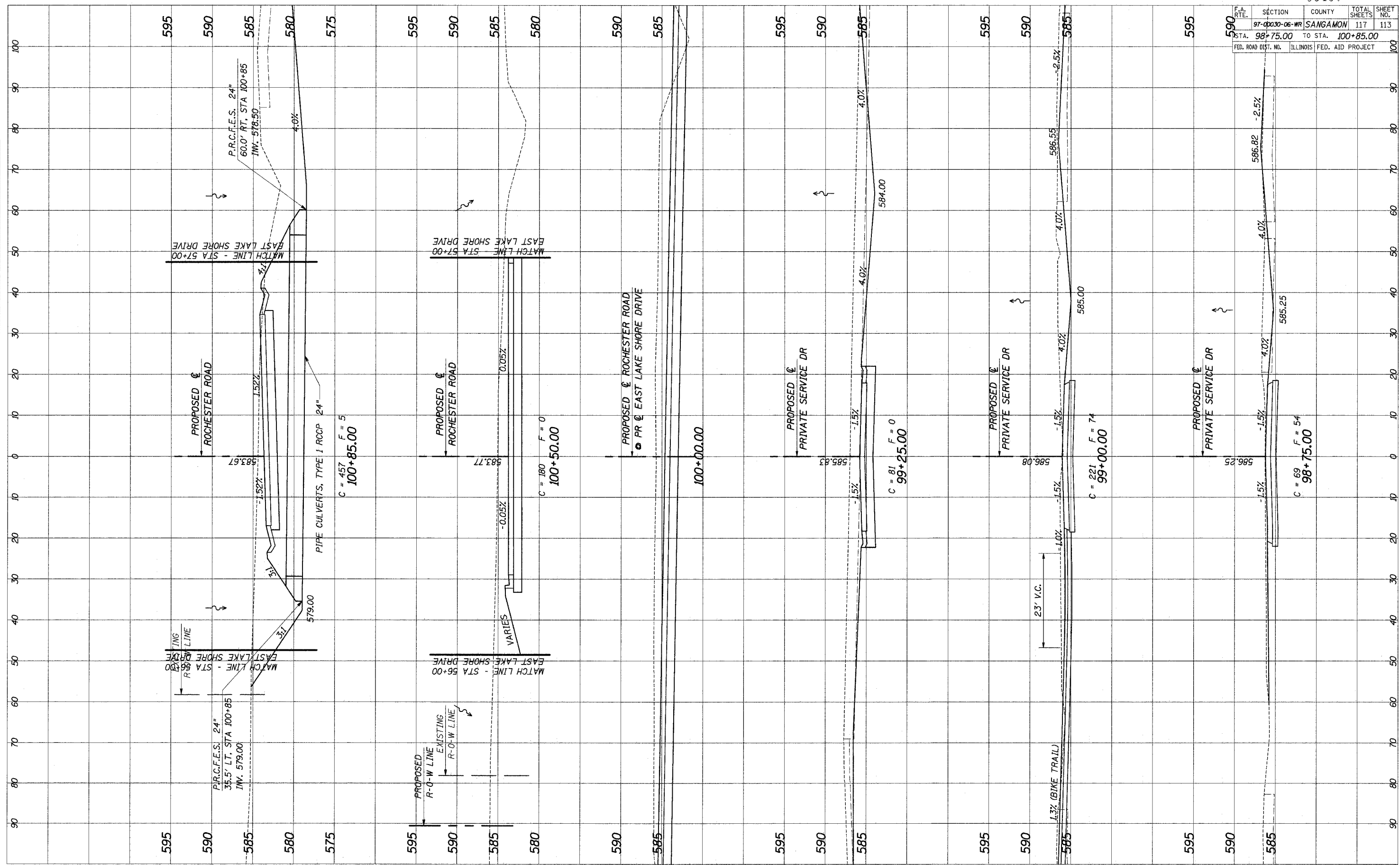


PROPOSED ROCHESTER ROAD CROSS-SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97-00030-06-WR		SANGAMON	117	113
STA. 98+75.00		TO STA. 100+85.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

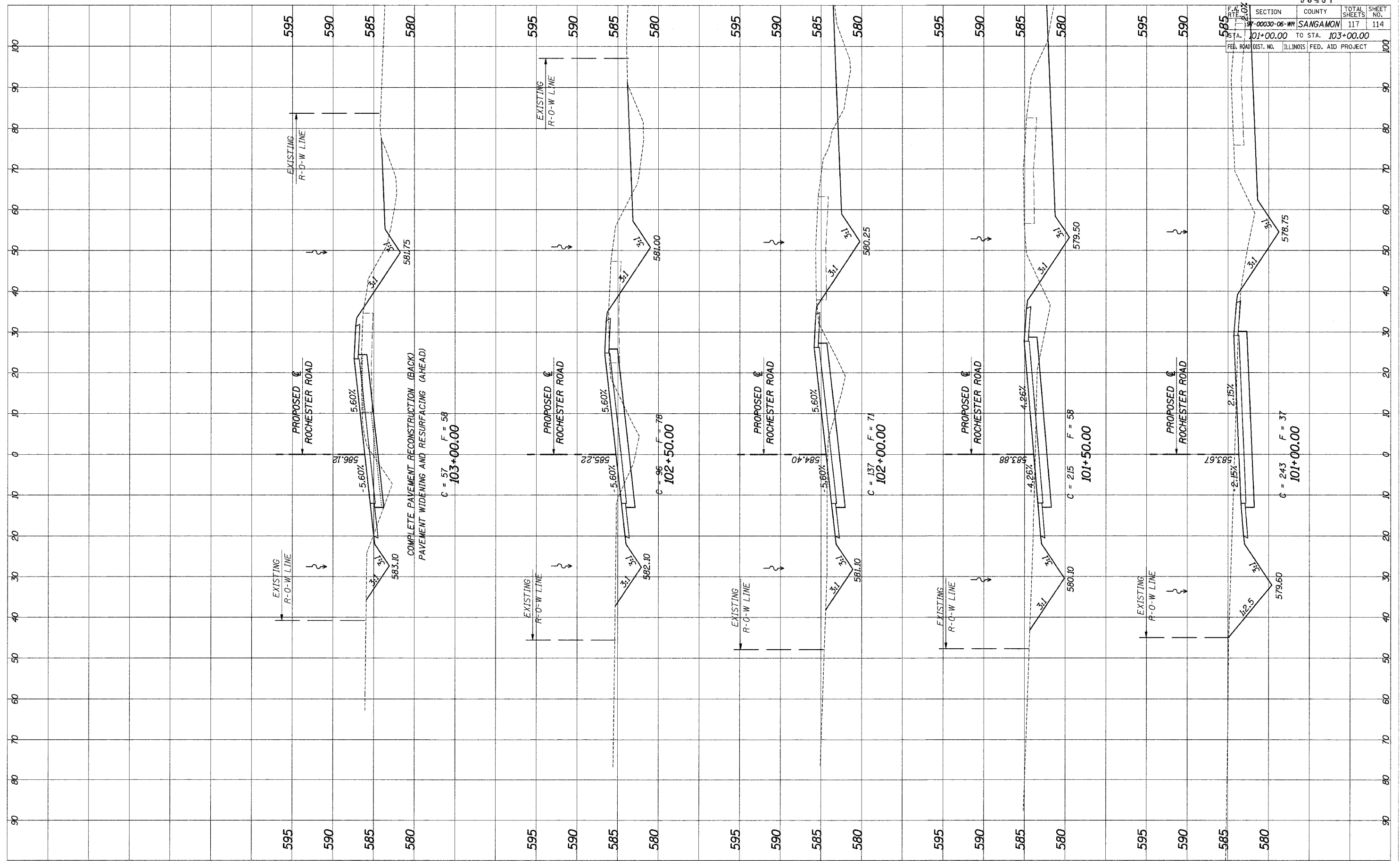
ORIGINAL SURVEYED SURVEY TEMPLATE	NO.
SURVEYED SURVEY TEMPLATE	NO.
NOTE BOOK	NO.
AREAS CHECKED	



PROPOSED ROCHESTER ROAD CROSS-SECTIONS

FINAL SURVEYED SURVEY NOTE BOOK AREAS CHECKED

ORIGINAL SURVEYED SURVEY NOTE BOOK AREAS CHECKED



SECTION		COUNTY		TOTAL SHEETS	SHEET NO.
101+00.00 TO STA. 103+00.00		SANGAMON		117	114
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

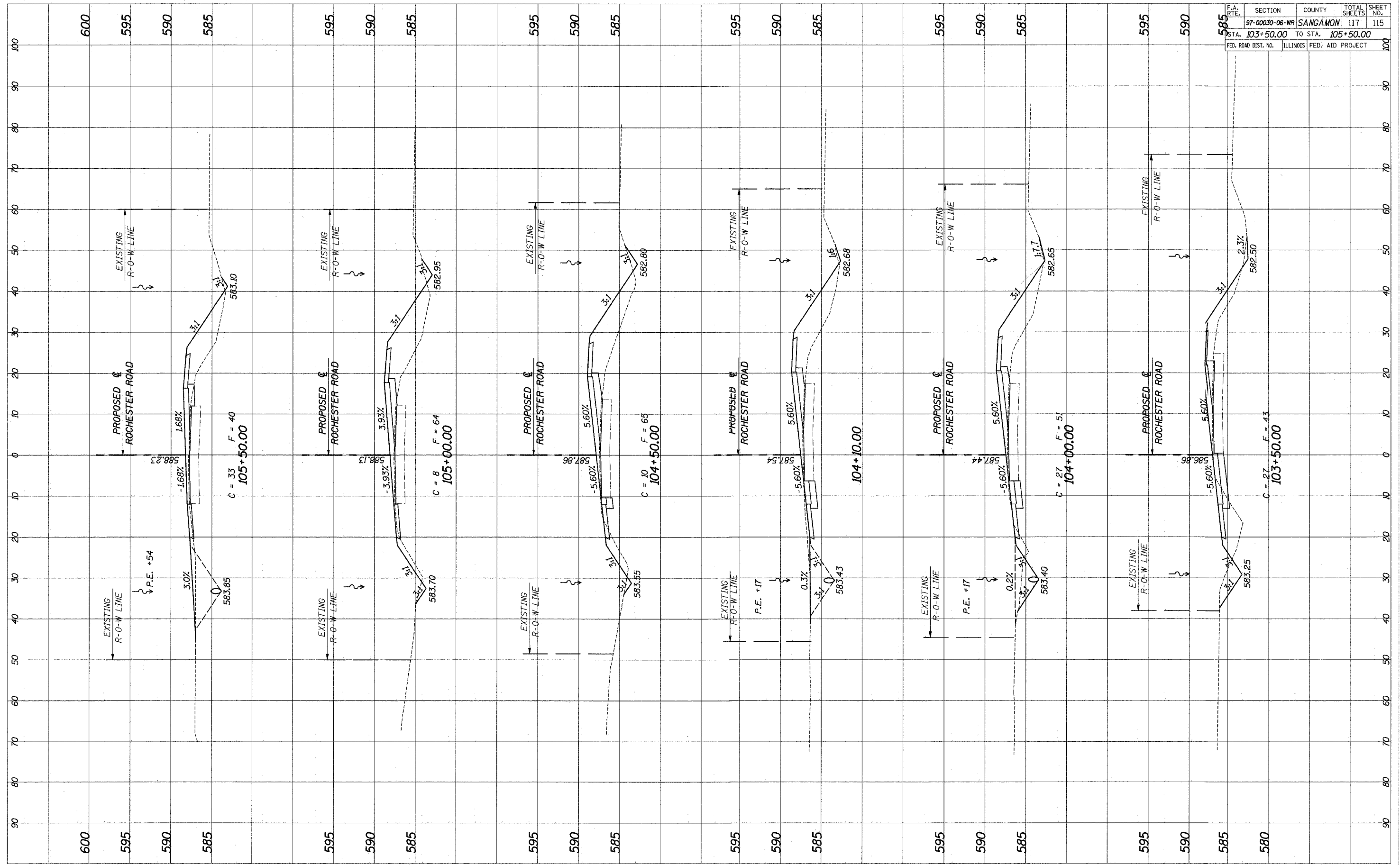
93467

PROPOSED ROCHESTER ROAD CROSS-SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	97-00030-06-WR	SANGAMON	117	115
STA. 103+50.00		TO STA. 105+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY NOTE BOOK NO. _____
 SURVEYED SURVEY TEMPLATE AREAS CHECKED

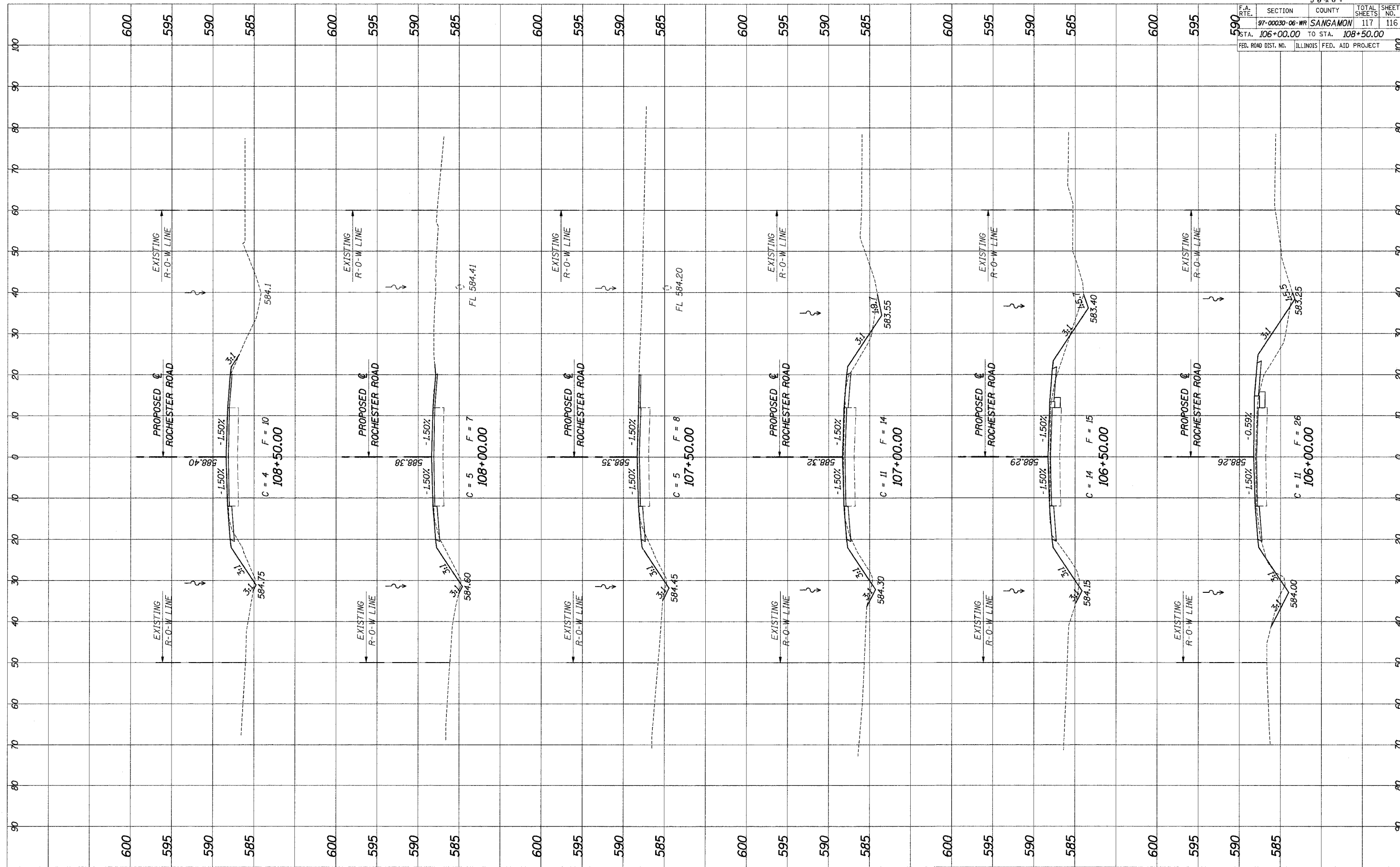
ORIGINAL SURVEY NOTE BOOK NO. _____
 SURVEYED SURVEY TEMPLATE AREAS CHECKED



PROPOSED ROCHESTER ROAD CROSS-SECTIONS

SURVEYED
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ORIGINAL
 SURVEY
 PLOTTED
 NOTE BOOK
 AREAS CHECKED



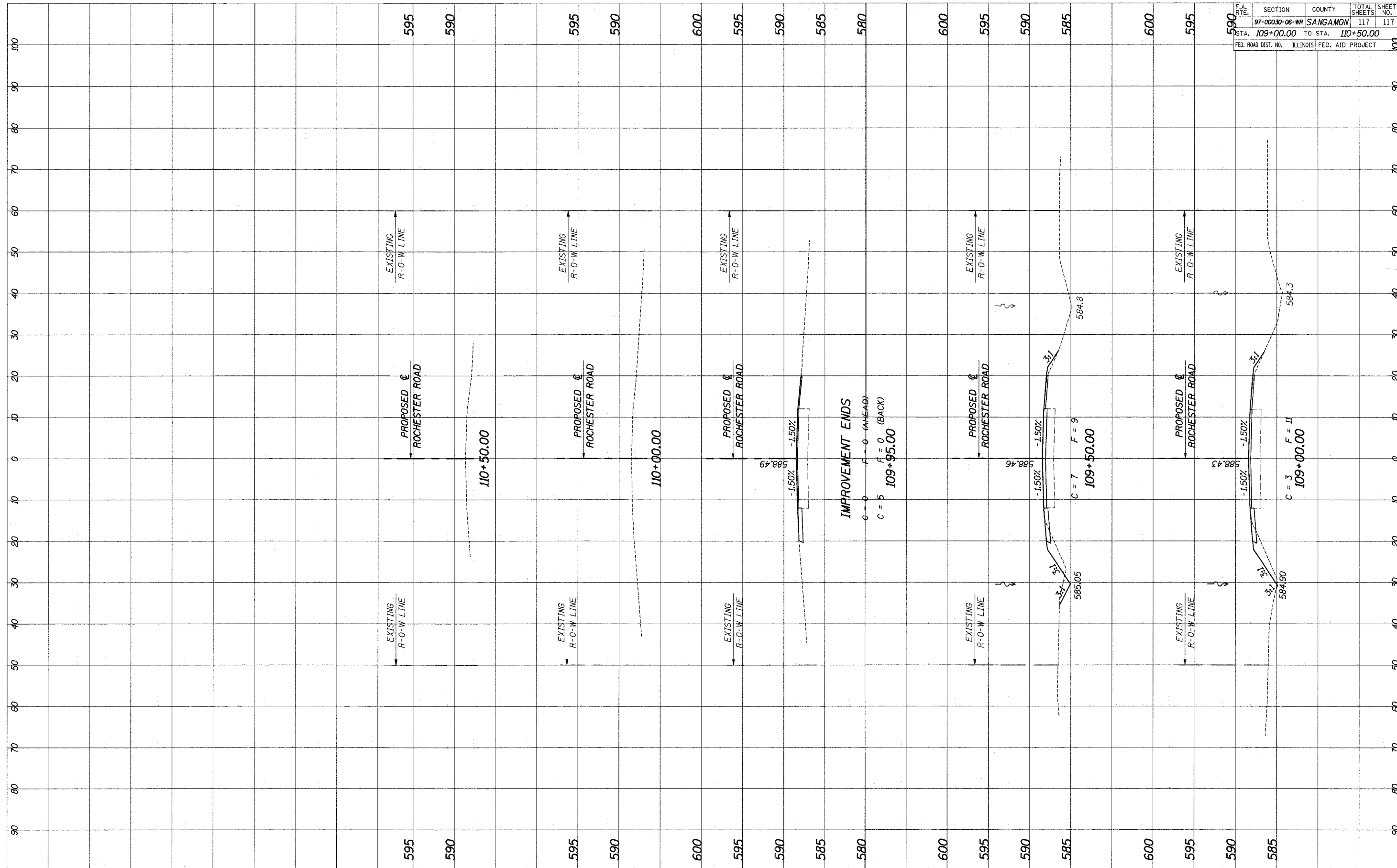
93467		TOTAL SHEETS		SHEET NO.	
F.A. RTE.	SECTION	COUNTY	117	117	116
97-00030-06-WR		SANGAMON			
STA. 106+00.00 TO STA. 108+50.00					
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

PROPOSED ROCHESTER ROAD CROSS-SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97-00030-06-WR	SANGAMON	ILLINOIS	117	117
STA. 109+00.00		TO STA. 110+50.00		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

FINAL SURVEY NOTE BOOK NO. SURVEYED SURVEY TEMPLATE AREAS CHECKED

ORIGINAL SURVEY NOTE BOOK NO. SURVEYED SURVEY TEMPLATE AREAS CHECKED



PROPOSED ROCHESTER ROAD CROSS-SECTIONS