

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	.	ALEXANDER	65	1

- FAP 14 (US51/60/62)
- 138(N,TS-2,RS-2)

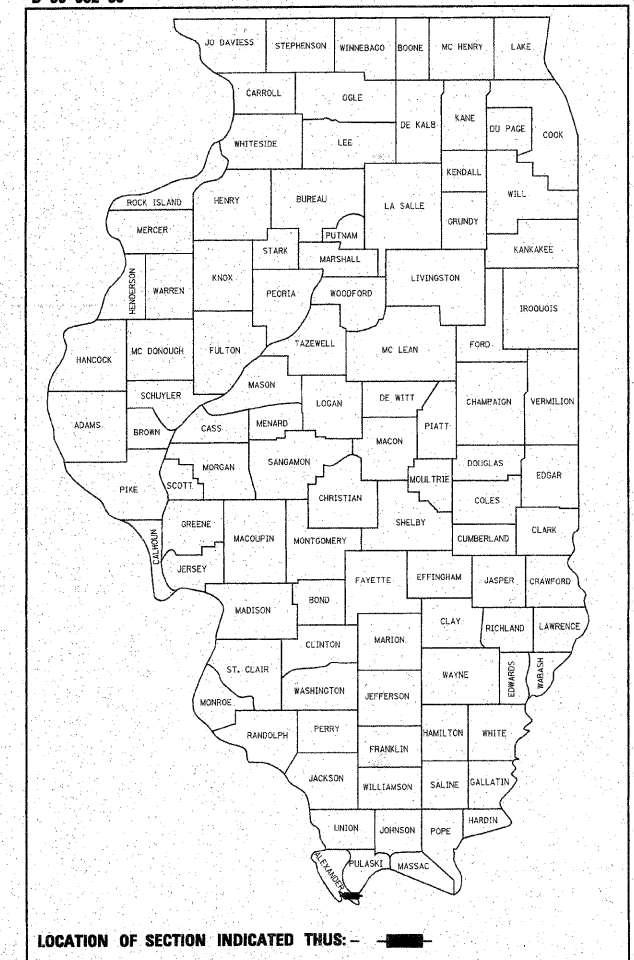
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP 14 (US 51/60/62)  
SECTION 138(N,TS-2,RS-2)  
INTERSECTION IMPROVEMENTS, ELIMINATION  
OF TRAFFIC SIGNALS AND RESURFACING  
ALEXANDER COUNTY

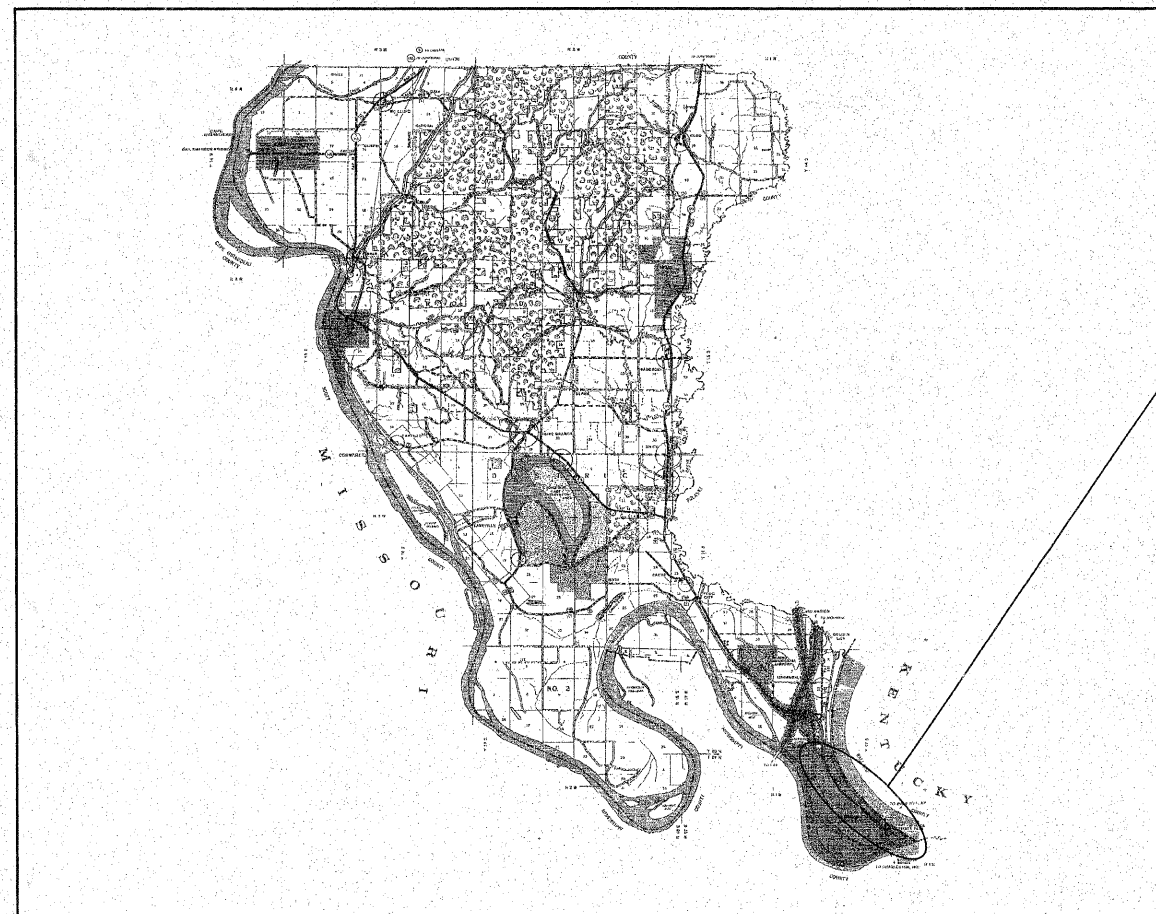
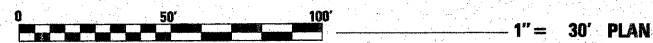
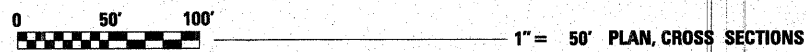
C-99-006-06  
PROJECT: ACF-0014 (135)

D-99-002-06



FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3 & 4

APPROACH	ADT (2006)	% TRUCKS
US-51 N OF US-51/US-60/62	4,829	13%
US-51/US-60/62 E OF US-51	7,111	16%
US-60/62 S OF US-51/US-60/62	5,201	21%



**PROJECT LOCATION**

US 51 STA 3+62.25 TO 48+17.90  
US 51/60/62 STA 0+06.65 TO 1+95.47  
US 60/62 STA 48+17.9 TO 56+55.5

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

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED Jan 17, 20 08  
*Mary Anne [Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 21, 20 08  
*Eric E. Harms [Signature]*  
INTERIM ENGINEER OF DESIGN AND ENVIRONMENT

March 21, 20 08  
*Christine M. Reed [Signature]*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

CONTRACT NO. 98943

GROSS LENGTH OF PROJECT = 0.995 MILES  
NET LENGTH OF PROJECT = 0.995 MILES

1/22/2008  
c:\projects\sb\98943\0206\98943\0206p3.dgn  
50.0000 / IN.  
PROJECT ENGINEER: SUSAN POE  
DESIGNER: PATRICK MAS  
CENTREX 782-4554

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	••	ALEXANDER	65	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- FAP 14 (US51/60/62)
- 138(N,TS-2,RS-2)

## GENERAL NOTES

THE THICKNESS OF BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

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

ALL BITUMINOUS CONCRETE	2.016 TONS/CU. YD.
ALL AGGREGATE	2.05 TONS/CU. YD.
BITUMINOUS MATERIALS: ON PAVEMENT	0.09 GAL./SQ. YD.
ON AGGREGATE SURFACE	0.32 GAL./SQ. YD.
AGGREGATE (PRIME COAT)	0.0015 TONS/SQ. YD.
RIPRAP	1.50 TONS/CU. YD.

QUANTITIES SHOWN IN THE PLANS FOR PATCHING ARE ESTIMATES. THE ACTUAL AMOUNT OF PATCHING REQUIRED SHALL BE DETERMINED BY THE ENGINEER.

PROVIDE A 1/4" BY 3/4" SAWED JOINT WITH ELASTIC JOINT SEALER AT THE BRIDGE JOINT(FULL WIDTH). THIS WORK SHALL BE INCIDENTAL TO THE COST OF THE PCC PAVEMENT.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE MILLED SURFACE AND SURFACE COURSE.

FORMS FOR COMBINATION CONCRETE CURB AND GUTTER SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.

PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE OF CURB, AND MEDIAN SURFACE AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS OF ARTICLE 420.18.

AT ALL LOCATIONS WHERE THE PROPOSED BITUMINOUS OR CONCRETE PAVEMENT JOINS AN EXISTING BITUMINOUS OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

THE CONTRACTOR SHALL STAMP STATIONING IN THE BITUMINOUS SURFACE AT 300 FT. INTERVALS ON THE OUTSIDE EDGE OF PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2 IN. TALL OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

ADDITIONAL WIDTH OF GUTTER FLAG, AT LOCATIONS INDICATED ON THE PLANS, SHALL BE POURED MONOLITHICALLY WITH THE NORMAL GUTTER FLAG AND WILL NOT BE MEASURED NOR PAID FOR SEPARATELY.

ANY SAWCUTS REQUIRED AT THE EDGE OF PAVEMENT TO REMOVE THE EXISTING COMBINATION CURB AND GUTTER AT THE LOCATIONS INDICATED IN THE PLANS WILL BE INCLUDED IN THE COST OF THE COMBINATION CURB AND GUTTER REMOVAL.

CONNECTING OF NEW OR EXISTING STORM SEWER TO NEW OR EXISTING INLETS OR MANHOLES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF AN INLET OR MANHOLE, STORM SEWER PIPE SHALL BE PLACED OR CUT FLUSH WITH THE FACE OF THE WALL AND DRESSED WITH MORTAR TO PROVIDE A SMOOTH ROUNDED OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES OF THE STORM SEWERS OR STRUCTURES INVOLVED.

BECAUSE OF THE CHANGES IN ELEVATION OF THE PAVEMENT THE CONTRACTOR WILL NOT BE ABLE TO USE THE ADJACENT LANE AS A FORM LINE. THE LONGITUDINAL CONSTRUCTION JOINT MAY BE OFFSET AS NECESSARY TO PLACE FORMS.

A QUANTITY OF SUB-BASE GRANULAR MATERIAL, TYPE C HAS BEEN INCLUDED TO BE USED ACCORDING TO THE ENGINEER IN THE EVENT THAT UNSUITABLE SUBGRADE IS ENCOUNTERED DURING PAVEMENT REMOVAL. THE GRANULAR MATERIAL GRADATION MUST BE CA 5.

THERE ARE NO WASTE SITES AVAILABLE TO THE CONTRACTOR FOR THIS PROJECT.

### SIGNALS:

THE CONTRACTOR SHALL NOTIFY THE IDOT ENGINEER OF TRAFFIC OPERATIONS 72 HOURS PRIOR TO THE SHUT-DOWN OR CUTTING OF EXISTING DETECTOR LOOPS.

### COMMITMENTS:

NONE

## INDEX OF SHEETS

SHT. NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS, STANDARDS
3-4	SUMMARY OF QUANTITIES
5-12	TYPICAL SECTIONS
13	SCHEDULES: REMOVAL / DETOUR SIGNING / REMOVAL
14	SCHEDULES: PAVEMENT MARKING / EARTHWORK / SEEDING AND EROSION CONTROL
15	SCHEDULES: DRAINAGE / GUARDRAIL
16-17	PLAN-PROFILE SHEETS
18	REMOVAL SHEET
19	PAVEMENT ELEVATIONS
20	GEOMETRICS SHEET
21	TIE POINTS
22	PAVEMENT MARKING DETAIL SHEET
23	GUARDRAIL DETAIL SHEET
24-33	STAGING PLAN
34-35	DETOUR ROUTE
36	DETAILS: UNEVEN LANES, ROUGH GROOVED SURFACE MEDIAN REMOVAL AND REPLACEMENT(SPECIAL), CAST IRON FRAME AND LID
37	DETAILS: INLET SPECIAL, TYPE 3- 5 AND 6 FEET, SEEDING AND MULCHING, DOWEL BAR DETAIL
38-43	CROSS SECTIONS: US 51
44-50	CROSS SECTIONS: US 60/62
51-58	CROSS SECTIONS: US 51/60/62
59-62	CROSS SECTIONS: NORTHWEST QUADRANT
63-65	CROSS SECTIONS: NORTHEAST QUADRANT

## STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-01	REINFORCEMENT BARS AREAS WEIGHTS AND SPACING
001006	DECIMAL OF AN INCH AND OF A FOOT
602401-01	MANHOLE TYPE A
602601-01	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
606001-03	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
606301-03	PC CONCRETE ISLANDS AND MEDIANS
701001-01	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-02	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-01	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-01	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701426-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION
780001-01	TYPICAL PAVEMENT MARKINGS
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTION LOOPS
701701-05	

Prepared By: Joe Zdaniewicz  
DISTRICT STUDIES & PLANS ENGINEER

Examined By: J. H. E.  
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Examined By: Carrie Nelson  
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: Kevin Grammer  
DISTRICT OPERATIONS ENGINEER

Examined By: Joseph Lemaitre  
DISTRICT CONSTRUCTION ENGINEER

Examined By: Bruce W. Tucker  
DISTRICT MATERIALS ENGINEER

Examined By: Jim Swisher  
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Danny L. Clanton  
ASSISTANT REGIONAL ENGINEER

Approved By: May Kamin  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

DATE: Jan 17 20 08

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- \* FAP 14 (US51/60/62)
- \*\* 138(N,TS-2,RS-2)

## SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	CONSTRUCTION TYPE CODE		1000	J000
		UNIT	TOTAL QUANTITIES	INTERSECTION IMPROVEMENTS 80% FED 20% STATE	RESURFACING 80% FED 20% STATE
20200100	EARTH EXCAVATION	CU YD	721	721	
25000350	SEEDING, CLASS 7	ACRE	0.13	0.13	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	21	21	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	16	16	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	16	16	
25000700	AGRICULTURAL GROUND LIMESTONE	TON	0.26	0.26	
25001010	SEEDING, CLASS 2 (MODIFIED)	ACRE	0.13	0.13	
25100115	MULCH, METHOD 2	ACRE	0.26	0.26	
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	3557	3557	
31101900	SUB-BASE GRANULAR MATERIAL, TYPE C	TON	500	500	
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2272		2272
40600300	AGGREGATE (PRIME COAT)	TON	38		38
40600990	TEMPORARY RAMP	SQ YD	86		86
40603550	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX <sup>o</sup> D, N105	TON	2279		2279
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	3151	3151	
42001300	PROTECTIVE COAT	SQ YD	3673	3673	
44000100	PAVEMENT REMOVAL	SQ YD	2677	2677	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	25242		25242
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	901	901	
44000400	GUTTER REMOVAL	FOOT	877	877	
44003500	MEDIAN REMOVAL AND REPLACEMENT (SPECIAL)	SQ FT	14	14	
44003800	MEDIAN SURFACE REMOVAL	SQ FT	768	768	
44201798	CLASS D PATCHES, TYPE I, 13 INCH	SQ YD	16		16
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	621		621
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	153		153
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	313		313
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60243500	INLETS, SPECIAL, TYPE 3, 6'	EACH	1	1	
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1	
60500060	REMOVING INLETS	EACH	2	2	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	525	525	
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	89	89	
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	153	153	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	2367	2367	
60619200	CONCRETE MEDIAN, TYPE SB-6.06	SQ FT	283	283	
* 63000000	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	171	171	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1	
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	1	1	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1	
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	2	2	

\* SPECIALTY ITEMS

## SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- FAP 14 (US51/60/62)
- 138(N,TS-2,RS-2)

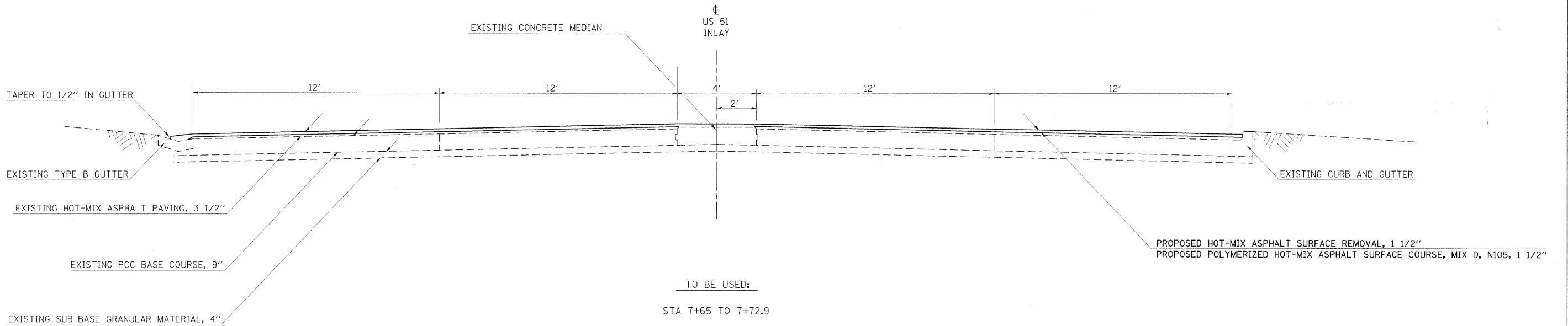
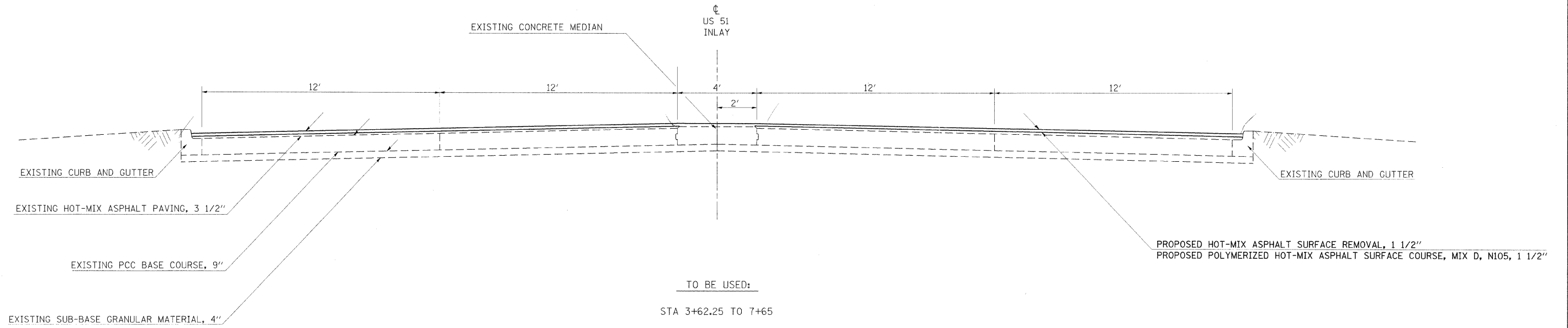
### SUMMARY OF QUANTITIES CONT.

CODE NUMBER	ITEM	CONSTRUCTION TYPE CODE		1000	J000
		UNIT	TOTAL QUANTITIES	INTERSECTION IMPROVEMENTS 80% FED 20% STATE	RESURFACING 80% FED 20% STATE
63200310	GUARDRAIL REMOVAL	FOOT	254	254	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	3	3
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	11	11	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	11	11	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1671		1671
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	92		92
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	20676	2849	17827
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	438	438	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	78	78	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	557	56	501
* 72000100	SIGN PANEL - TYPE 1	SQ FT	422.6	422.6	
* 72000200	SIGN PANEL - TYPE 2	SQ FT	134.5	134.5	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	92		92
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	17827		17827
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	57	57	
* 78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	2125		2125
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	2247	2247	
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	381	381	
* 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	14	14	
* 78200405	GUARDRAIL MARKERS	EACH	8	8	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	86		86
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	296	296	
X0320882	GUTTERS TO BE CLEANED	FOOT	12860		12860
X0325241	TEMPORARY PAVEMENT 11"	SQ YD	362	362	
X0962500	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	L SUM	1	1	

\* - specialty items

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

- \* FAP 14 (US51/60/62)
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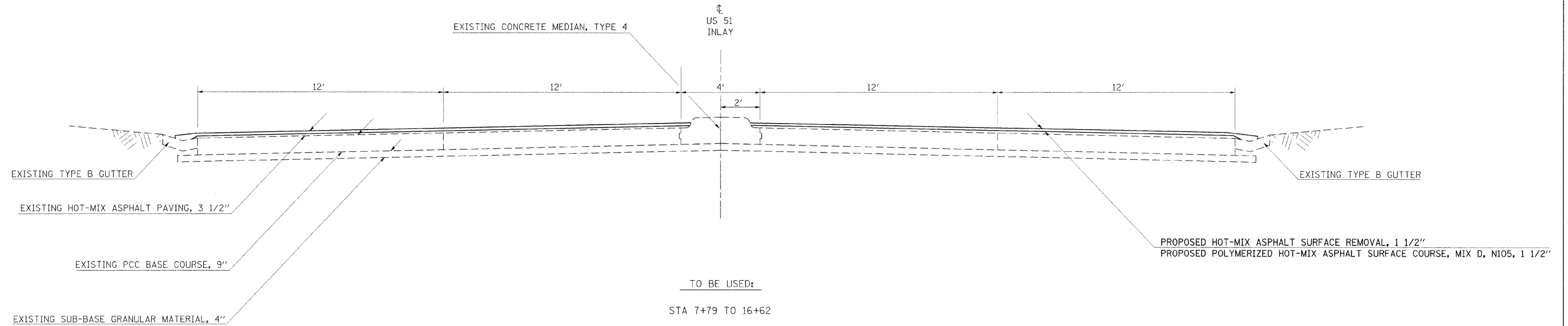
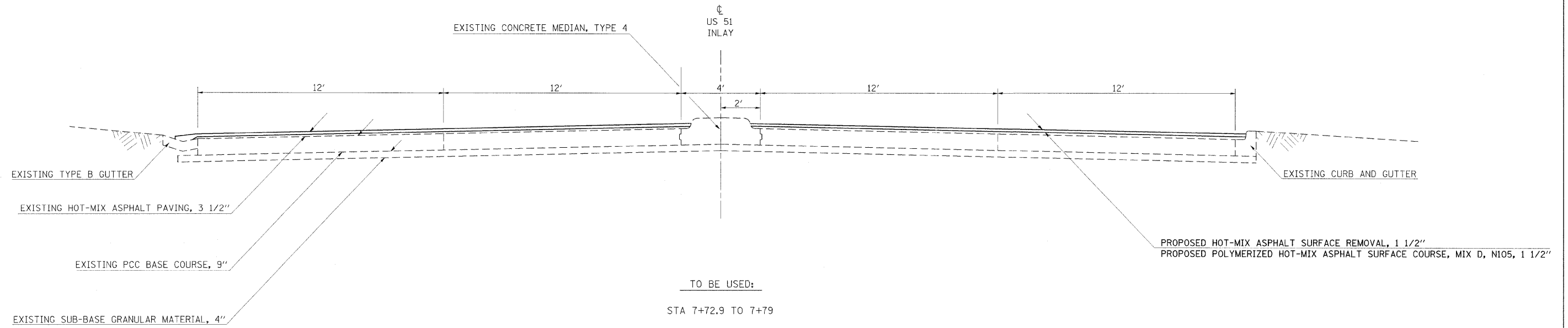


**NOTE: MATCH EXISTING CROSS SLOPES**

**TYPICAL SECTIONS  
US 51**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	6
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- \* FAP 14 (US51/60/62)
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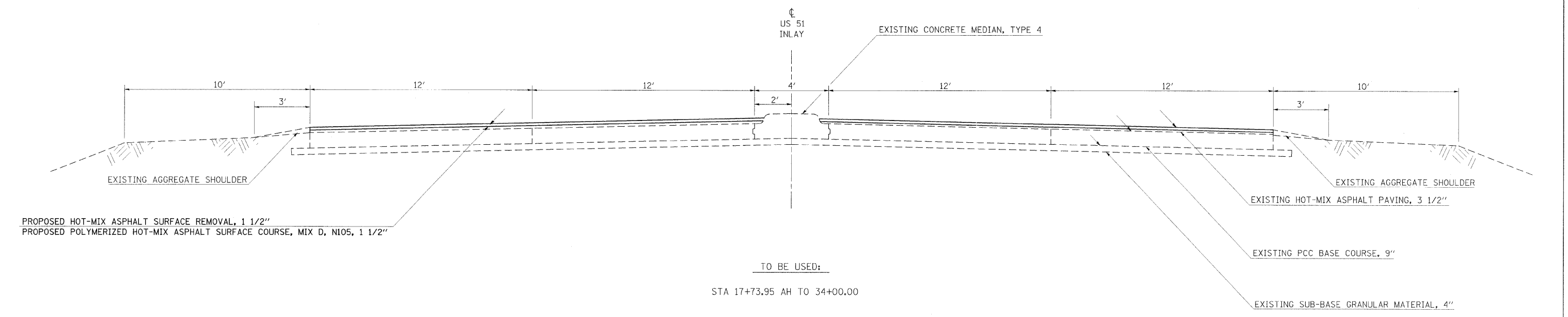
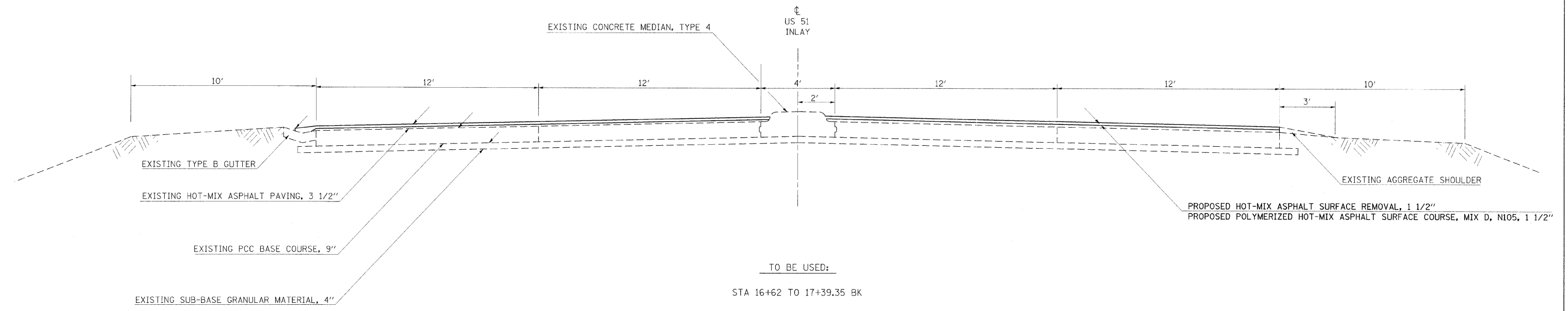


**NOTE: MATCH EXISTING CROSS SLOPES**

**TYPICAL SECTIONS  
US 51**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	ALEXANDER	65	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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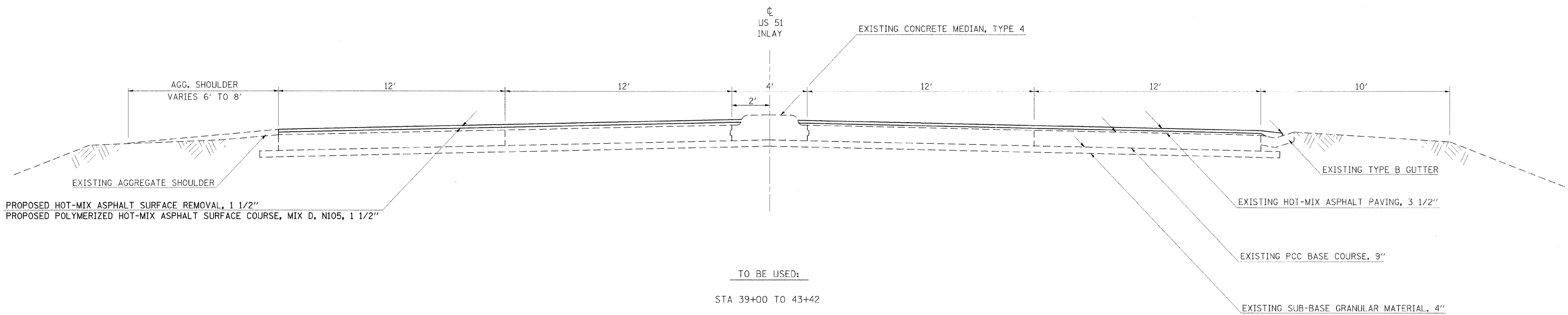
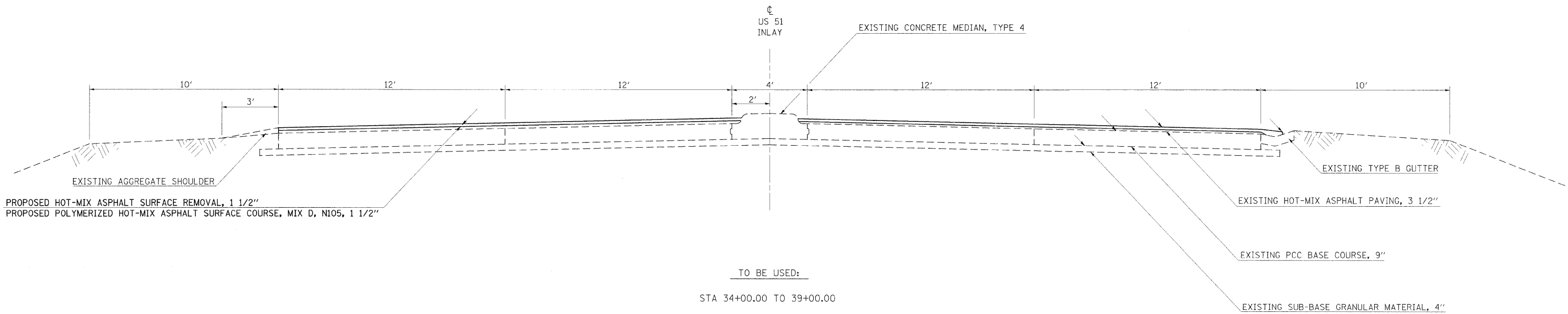
**NOTE: MATCH EXISTING CROSS SLOPES**

**TYPICAL SECTIONS  
US 51**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	8

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

- FAP 14 (US51/60/62)
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**NOTE: MATCH EXISTING CROSS SLOPES**

**TYPICAL SECTIONS  
US 51**

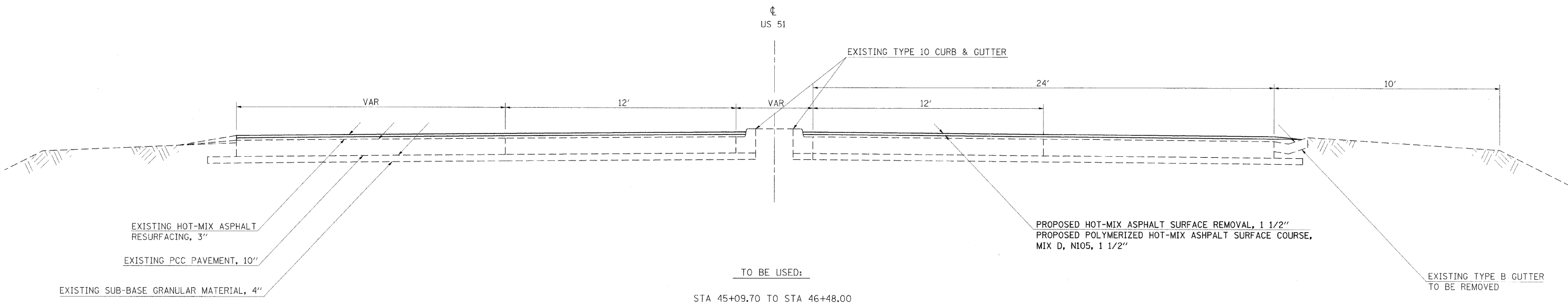
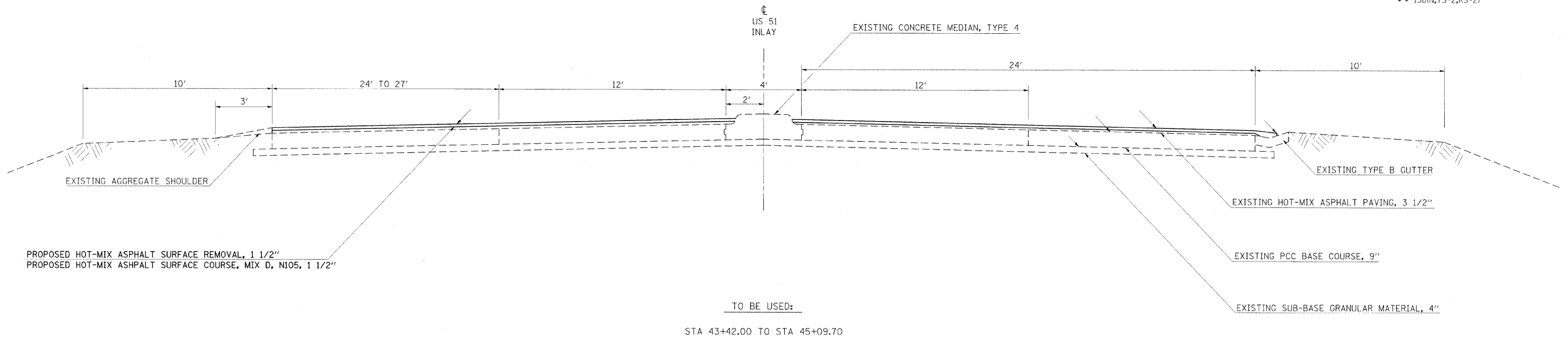
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	9

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

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- 138(IN,TS-2,RS-2)



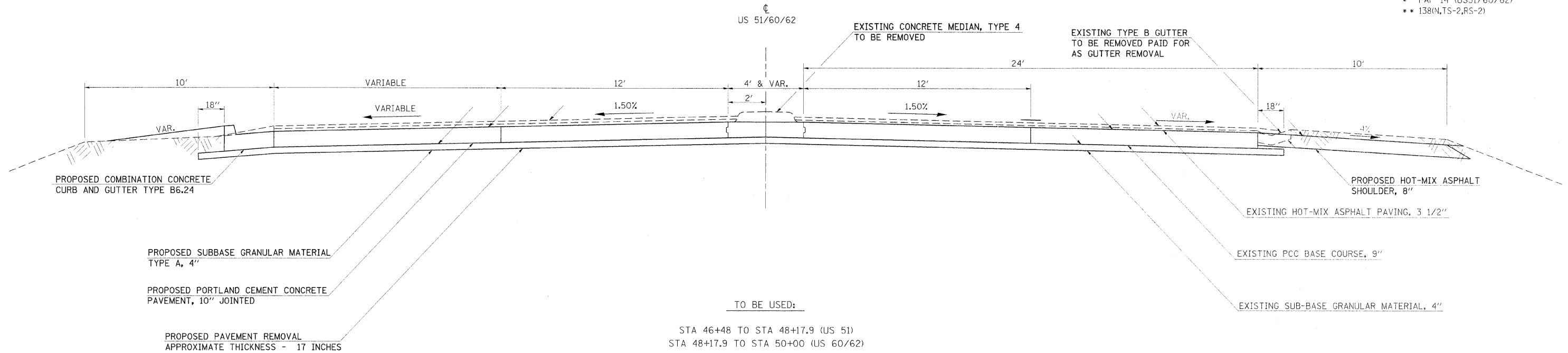
**NOTE: MATCH EXISTING CROSS SLOPES**

**TYPICAL SECTIONS  
 US 51**

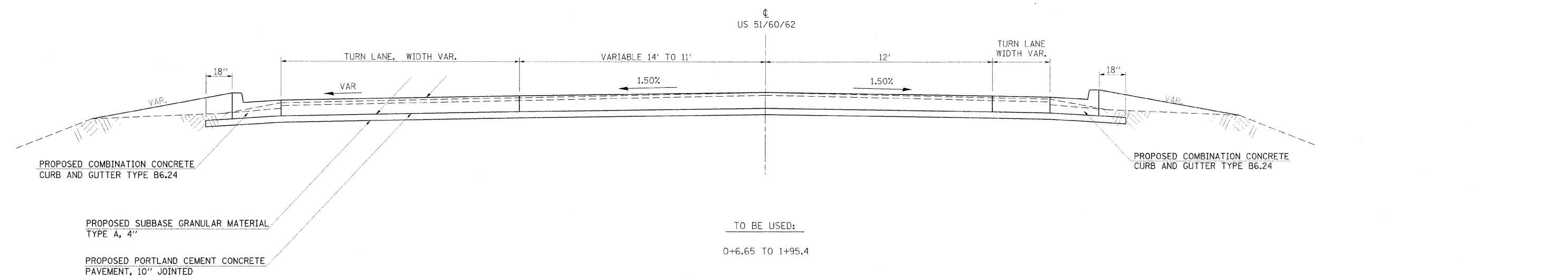
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*	**	ALEXANDER	65	10

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

- \* FAP 14 (US51/60/62)
- \*\* 138(N,TS-2,RS-2)



TO BE USED:  
 STA 46+48 TO STA 48+17.9 (US 51)  
 STA 48+17.9 TO STA 50+00 (US 60/62)



TO BE USED:  
 0+6.65 TO 1+95.4

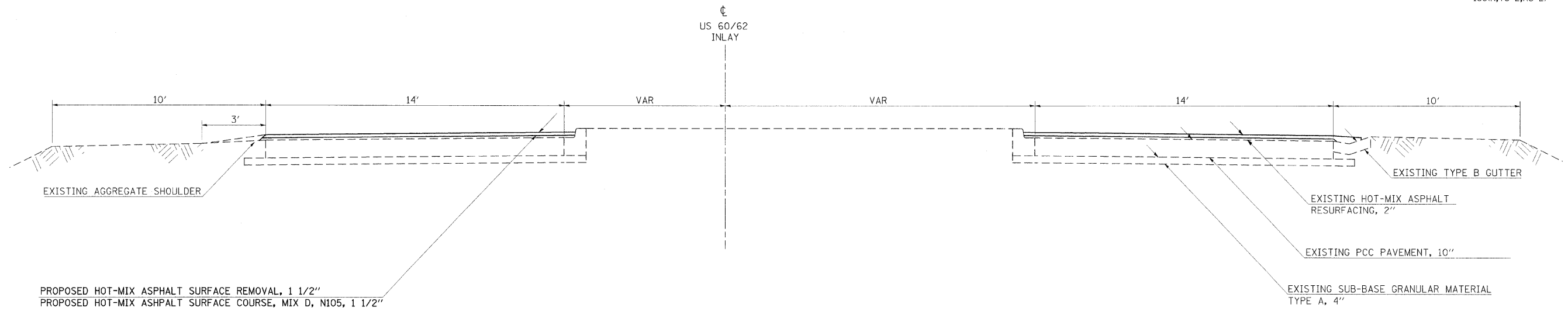
**NOTE: REFER TO GEOMETRICS AND PAVEMENT ELEVATION SHEETS FOR EDGE OF PAVEMENT AND CROSS SLOPE INFORMATION.**

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	ALEXANDER	65	11

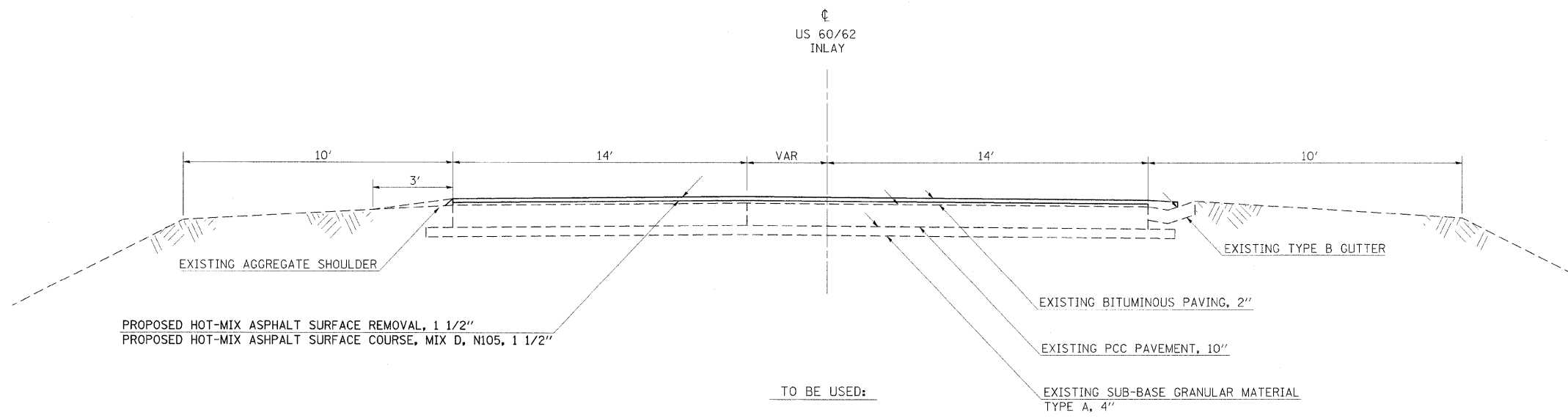
STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS

FED. AID PROJECT  
 • FAP 14 (US51/60/62)  
 •• 138(IN,TS-2,RS-2)



TO BE USED:

STA 50+00.00 TO STA 52+99.2



TO BE USED:

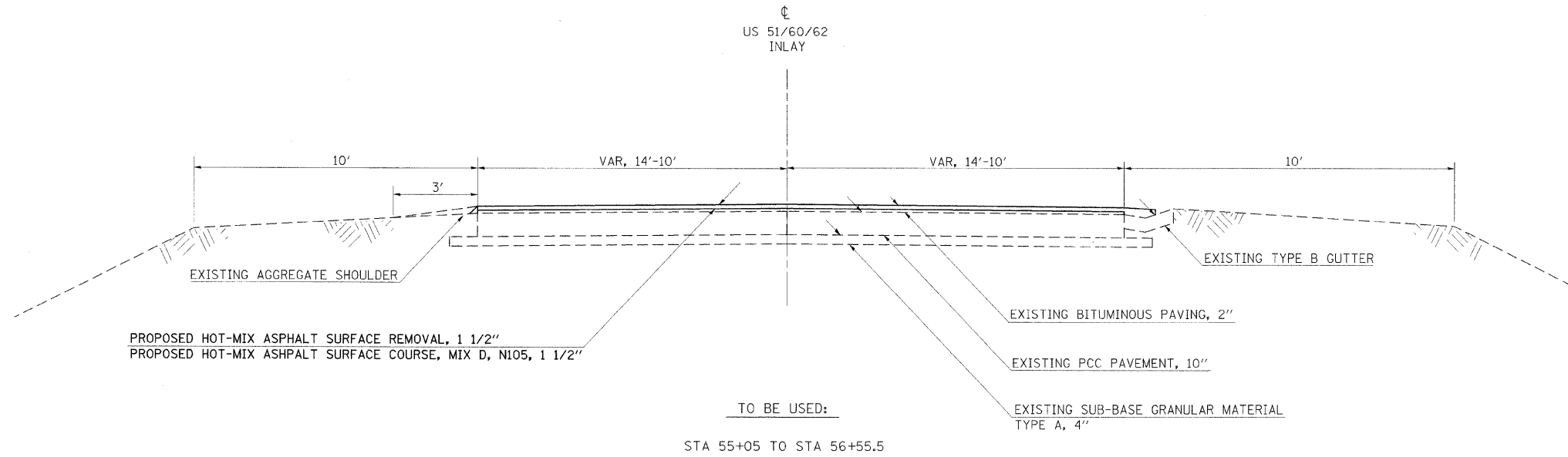
STA 52+99.2 TO STA 55+05

**NOTE: MATCH EXISTING CROSS SLOPES**

**TYPICAL SECTIONS  
US 60/62**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	12
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- FAP 14 (US51/60/62)
- 138(N,TS-2,RS-2)



**NOTE: MATCH EXISTING CROSS SLOPES**

**TYPICAL SECTIONS  
US 60/62**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

\* FAP 14 (US51/60/62)  
 \*\* 138(N,TS-2,RS-2)

### REMOVAL SCHEDULE

LOCATION STATION TO STATION	REMOVING INLETS (EACH)	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (EACH)	GUTTER REMOVAL (FOOT)	COMBINATION CURB & GUTTER REMOVAL (FOOT)	PAVEMENT REMOVAL (SQ YD)	MEDIAN SURFACE REMOVAL (SQ FT)	REMARKS
US 51							
STA. 3+62.25 TO 56+55.5		86		262		675	
STA. 46+38 TO 47+67			219		485		
STA. 46+48 TO 1+95.5 US 51/60/62					851		
STA. 46+48 TO 50+00 RT US 60/62					523		
STA. 46+48 TO 50+00 LT US 60/63			352				
STA. 46+48 TO 50+00 US 60/62				267			LARGE ISLAND
STA. 47+02 TO 47+96 LT TO 1+08 US 51/60/62				42		93	SMALL ISLAND
STA. 48+00, 33' RT	1						
STA. 48+34 TO 48+48 LT	1						
STA. 48+61.5, 45' LT							
US 60/62				330			
STA. 48+50 TO 50+10							
STA. 48+34 TO 48+49 TO 0+39 US 51/60/62							
STA. 50+00 TO 1+95.5 US 51/60/62			306				
US 51/60/62							
STA. 0+26 TO 1+95.50					818		
TOTALS	2	86	877	901	2677	768	

### DETOUR SIGNING

SIGN ID NO.	DESCRIPTION	SIGN SIZE	NUMBER REQUIRED EACH WAY EAST/WEST		TOTAL SIGNS REQUIRED	SIGN PANEL TYPE 1 (0-9) (SQ FT)	SIGN PANEL TYPE 2 (9-24) (SQ FT)
			EAST	WEST			
M6-1	→	21" X 15"	1	4	5	10.94	
M6-1	←	21" X 15"	4	0	4	8.752	
M5-1L	↙	21" X 15"	2	0	2	4.376	
M6-2R	↘	21" X 15"	2	0	2	4.376	
M5-1R	↗	21" X 15"	3	4	7	15.316	
M6-3	↑	21" X 15"	8	7	15	32.82	
M1-4	60	24" X 24"	20	11	31	124	
M1-4	62	24" X 24"	20	11	31	124	
R3-2L	↻	24" X 24"	0	1	1	4	
R3-1R	↻	24" X 24"	1	0	1	4	
M3-2	EAST	24" X 12"	14	0	14	28	
W20-2	DETOUR AHEAD	48" X 48"	4	1	5		80
M4-8	DETOUR	12" X 24"	20	11	31	62	
W20-3	ROAD CLOSED AHEAD	48" X 48"	1	1	2		32
R11-3A	BRIDGE CLOSED 6 MILES AHEAD LOCAL TRAFFIC ONLY	60" X 30"	1	0	1		12.5
N-13	BRIDGE CLOSED	48" X 30"	1	0	1		10
TOTALS						422.58	134.5

### PAVING SCHEDULE

LOCATION STATION TO STATION	POLYMERIZED BITUMINOUS MATERIALS, PRIME COAT (GALLON)	AGGREGATE, PRIME COAT (TONS)	HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2" (SQ YD)	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE MIX D, N105 (TONS)	HOT-MIX SHOULDERS 8" (SQ YD)	GUTTERS TO BE CLEANED (FOOT)	PCC PAVEMENT, 10" (JOINTED) (SQ YD)	PROTECTIVE COAT (SQ YD)	SUB-BASE GRANULAR MATERIAL, TYPE A, 4" (SQ YD)	REMARKS
US 51										
3+62.25 TO 7+65						805.5				
3+62.25 TO 7+72.90	213.54	3.56	2372.64	217.12						
3+62.25 TO 46+48						15.8				
7+65 TO 7+72.9						24.4				
7+72.9 TO 7+79						3532				
7+72.29 TO 43+42	1713.17	28.55	19035.2	1706.37						
7+79 TO 16+62						232.05				
16+62 TO 17+39.35 BK										
17+39.35 BK = 17+73.95 AH										STATION EQUATION
17+73.95 AH TO 34+00						3252.1				
34+00 TO 45+09.7						3329.1				
43+42 TO 45+09.7	83.01	1.38	922.35	82.95						
45+09.7 TO 46+48	73.99	1.23	822.1	76.59		414.9				
46+68 TO 47+67							89	89	89	
46+48 TO 50+00 RT US 60/62					313		851	851	889	PAINTED MEDIAN THROUGH AND LEFT LANE
46+48 TO 50+00 LT US 60/62							523	523	523	THROUGH LANE
46+48 TO 1+95.5 US 51/60/62							565	565	565	TURNING RADIUS
US 60/62										
48+49 TO 50+00							305	305	305	PAINTED MEDIAN
50+00.0 TO 52+99.2	83.78	1.40	930.84	94.48		897.6				
52+99.2 TO 56+55.5	104.27	1.74	1158.57	101.18		356.3				
US 51/60/62										
0+26 TO 1+95.5 LT							818	818	818	THROUGHS AND LT RADIUS
TOTALS	2272	38	25242	2279	313	12860	3151	3151	3189	

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### PAVEMENT MARKING

LOCATION STATION TO STATION	THERMOPLASTIC PAVEMENT MARKING				PREFORMED PLASTIC PAVEMENT MARKING TYPE B, INLAID 4 INCH	POLYUREA PAVEMENT MARKING LINE 4 INCH		POLYUREA PAVEMENT MARKING LINE 12 INCH		POLYUREA PAVEMENT MARKING LINE 24 INCH
	LETTERS AND SYMBOLS	4 INCH		12 INCH		(WHITE)	(WHITE) (YELLOW)	(WHITE)	(WHITE) (YELLOW)	
		(WHITE)	(YELLOW)	(YELLOW)						
SO FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT		
3+62.25 TO 7+72.9 26' RT (SOLID)	410.65									
3+62.25 TO 7+72.9 14' RT (SKIP DASH)				102.6						
3+62.25 TO 7+72.9 2' RT (DOUBLE SOLID)		821.3								
3+62.25 TO 7+72.9 2' LT (DOUBLE SOLID)		821.3								
3+62.25 TO 7+72.9 14' LT (SKIP DASH)				102.6						
3+62.25 TO 7+72.9 26' LT (SOLID)	410.65									
7+72.9 TO 17+39.35 26' RT (SOLID)	966.5									
7+72.9 TO 17+39.35 14' RT (SKIP DASH)				241.6						
7+72.9 TO 17+39.35 2' RT (SOLID)		966.5								
7+72.9 TO 17+39.35 2' LT (SOLID)		966.5								
7+72.9 TO 17+39.35 14' LT (SKIP DASH)				241.6						
7+72.9 TO 17+39.35 26' LT (SOLID)	966.5									
STA. EQUATION (17+39.35 BK = 17+73.95 AH)										
17+73.95 TO 43+42 26' RT (SOLID)	2568.1									
17+73.95 TO 43+42 14' RT (SKIP DASH)				642						
17+73.95 TO 43+42 2' RT (SOLID)		2568.1								
17+73.95 TO 43+42 2' LT (SOLID)		2568.1								
17+73.95 TO 43+42 14' LT (SKIP DASH)				642						
17+73.95 TO 43+42 26' LT (SOLID)	2568.1									
43+42 TO 45+09.7 26' RT (SOLID)	167.7									
43+42 TO 45+09.7 14' RT (SKIP DASH)				41.9						
43+42 TO 45+09.7 2' RT (SOLID)		167.7								
43+42 TO 45+09.7 2' LT (SOLID)		167.7								
43+42 TO 45+09.7 14' LT (SKIP DASH)				41.9						
43+42 TO 45+09.7 VAR. 24' TO 27' LT (SOLID)	167.7									
45+09.7 TO 46+48 VAR. RT (SOLID)	138.3									
45+09.7 TO 46+48 VAR. RT (SKIP DASH)				34.6						
45+09.7 TO 46+48 VAR. RT (SOLID)		138.3								
45+09.7 TO 46+48 VAR. LT (SOLID)		138.3								
45+09.7 TO 46+48 VAR. LT (SKIP DASH)				34.6						
45+09.7 TO 46+48 VAR. LT (SOLID)	138.3									
45+89.6 LT TO 48+00.3 LT (SOLID)						470.3				
46+00	92									
46+48 RT TO 50+00 RT (SOLID)						352				
46+48 RT TO 47+51 RT (SKIP DASH)						30				
46+48 TO 47+66.4 (DOUBLE SOLID)							480.4			
48+49 TO 50+00 (DOUBLE SOLID)							614.4			
0+45.5 TO 1+95.4 (DOUBLE SOLID)							300			
45+89.6 LT TO 48+00.3 LT								136		
46+48 TO 47+66.4									57.3	
48+49 TO 50+00									187.5	
0+45.5										14
50+00 TO 53+05 VAR. RT (SOLID)	305									
50+00 TO 53+05 VAR. RT (SOLID)		305								
50+00 TO 53+05 VAR. LT (SOLID)		305								
50+00 TO 53+05 VAR. LT (SOLID)	305									
53+05 TO 54+80			57							
53+05 TO 54+80 VAR. RT (SOLID)	175									
53+05 TO 54+80 VAR. RT (DOUBLE SOLID)		350								
53+05 TO 54+80 VAR. LT (DOUBLE SOLID)		350								
53+05 TO 54+80 VAR. LT (SOLID)	175									
54+80 TO 56+55.5 VAR RT. (SOLID)	175.5									
54+80 TO 56+55.5 VAR RT. (SOLID)		175.5								
54+80 TO 56+55.5 VAR LT. (SOLID)		175.5								
54+80 TO 56+55.5 VAR LT. (SOLID)	175.5									
SUBTOTALS		9814	10985			852	1395	136	244.8	
TOTALS	92		20798	57	2125		2247	381	244.8	14

### EARTHWORK SCHEDULE

STA. TO STA.	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
US 51 AND US 60/62 (46+48 TO 50+00) RT	373.00	279.75	0.00	279.75
US 51 (46+38 TO 47+67) MEDIAN	34.00	25.50	1.00	24.50
NE QUAD (15+00 TO 18+05.74)	83.00	62.25	49.00	13.25
NW QUAD (1+60 TO 3+67.63)	117.00	87.75	70.00	17.75
US 51/60/62 LRG ISLAND FILL	114.00	85.50	0.00	85.50
TOTALS	721	452	120	421

25% SHRINKAGE

### SEEDING AND EROSION CONTROL SCHEDULE

LOCATION STA TO STA	SEEDING CLASS 2 (MODIFIED)	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH METHOD 2	SEEDING CLASS 7
	ACRE	POUND	POUND	POUND	TON	ACRE	ACRE
US 51 US 60/62 (46+80 TO 50+00)	0.06	9.6	7.2	7.2	0.12	0.12	0.06
NE QUAD (15+00 TO 18+05.74)	0.04	6.4	4.8	4.8	0.08	0.08	0.04
NW QUAD (1+60 TO 3+67.63)	0.03	4.8	3.6	3.6	0.06	0.06	0.03
TOTALS	0.13	21	16	16	0.26	0.26	0.13

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

### DRAINAGE SCHEDULE

LOCATION STATION TO STATION	INLETS SPECIAL TYPE 3, 6' (EACH)	MANHOLE TYPE A 4' DIAMETER TYPE 1 FRAME CLOSED LID	MEDIAN REMOVAL AND REPLACEMENT SPECIAL (SQ YD)	SUB-BASE GRANULAR MATERIAL, TYPE A, 4" (SQ YD)	COMBINATION CONCRETE CURB & GUTTER TYPE B - 6.24 FOOT	COMBINATION CONCRETE CURB & GUTTER TYPE M - 6.06 FOOT	COMBINATION CONCRETE CURB & GUTTER TYPE M - 6.24 FOOT	CONCRETE MEDIAN, TYPE SB - 6.06 SQ FT	CONCRETE MEDIAN SURFACE, 4 INCH SQ FT	PROTECTIVE COAT SQ YD
US 51										
15+00			5.8							
41+00			3.1							
44+51			4.5							
46+38 TO 46+48				7			58			7
46+48 LT TO 1+95.50 RT US 51/60/62				99	219					63
47+12.44 TO 47+99.51 LT				40		86				29
48+00, 33.2' RT		1								
48+61.5, 44.6' LT	1									
48+47.16, 2.9' LT										
47+12.44 LT TO 1+06.90 RT US 51/60/62				27		89				27
47+16 LT TO 47+96 LT TO 1+02 US 51/60/62								2367		263
US 51/60/62										
0+31.95 TO 1+06.90 RT				31		67				20
US 60/62										
50+00 TO 50+10				25			225			25
50+00 TO 1+95.50 US 51/60/62				139	306					88
TOTALS	1	1	13	368	525	89	283	2367		522

- FAP 14 (US51/60/62)
- \*\* 138(N,TS-2,RS-2)

### GUARDRAIL SCHEDULE

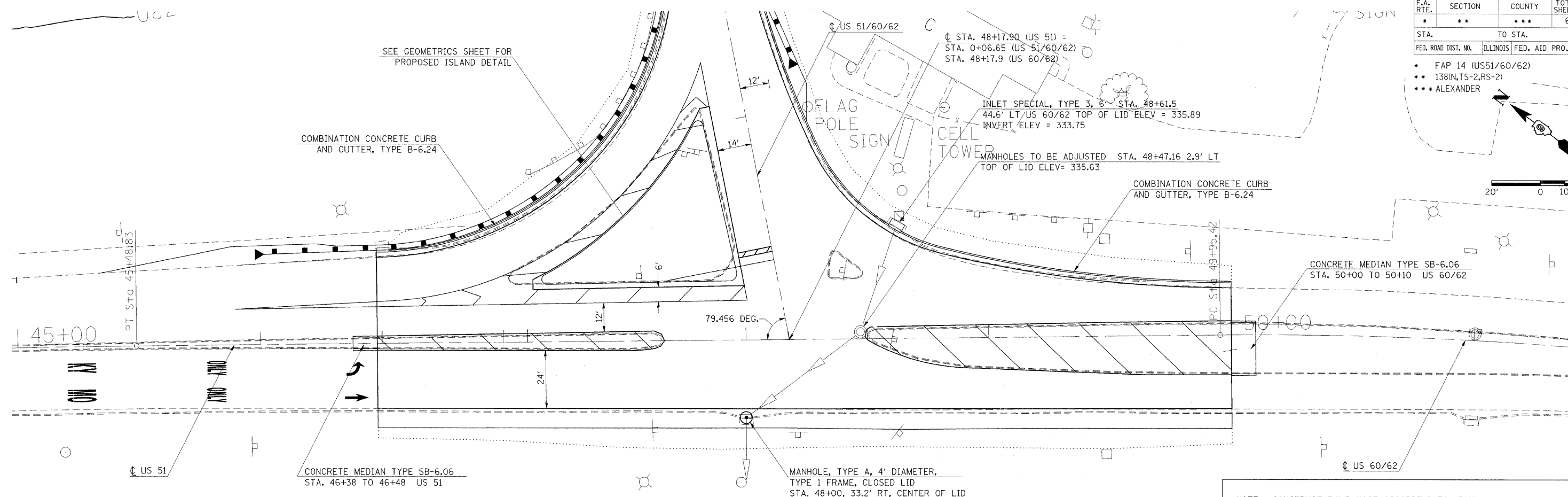
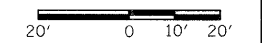
STA. TO STA.	GUARDRAIL REMOVAL (FOOT)	TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL TANGENT (EACH)	TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL FLARED (EACH)	STEEL PLATE BEAM GUARDRAIL TYPE A (FOOT)	TRAFFIC BARRIER TERMINAL TYPE 6 (EACH)	TRAFFIC BARRIER TERMINAL TYPE 6A (EACH)	TERMINAL MARKER DIRECT APPLIED (EACH)	GUARDRAIL MARKERS (EACH)	HOT-MIX SHOULDERS 6" (SQ YD)
STA 1+54, 24.0' LT US 51/60/62 TO 46+48, 38' LT US 51				171.00					
STA. 1+53 RT TO 1+98 RT, US 51/60/62					1				
STA. 1+97 LT TO 1+54 LT, US 51/60/62						1			
STA. 0+93 RT TO 1+98 RT US 51/60/62									121
STA. 45+98 LT TO 46+48 LT, US 51		1					1		
STA. 1+16 RT TO 1+53 RT, US 51/60/62			1				1		
STA. 53+99, 30' LT TO 54+36, 25' LT, US 60/62	37.50		1				1	1	
STA. 55+55, 25' RT TO 55+93, 19' RT, US 60/62	37.50		1				1	1	
STA 45+35 LT US 51 TO 1+97 LT US 51/60/62									32
STA. 47+11, 69' LT US 51 TO 1+95, 12' LT US 51/60/62	138.40								
STA. 1+59, 21' RT TO 1+95, 12' RT, US 51/60/62	40.70								
STA. 45+98 LT US 51 TO 1+97 LT US 51/60/62								4	
STA. 1+16 RT US 51/60/62 TO 1+98 RT US 51/60/62								2	
TOTALS	254	1	3	171	1	1	4	8	153

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	***	65	16

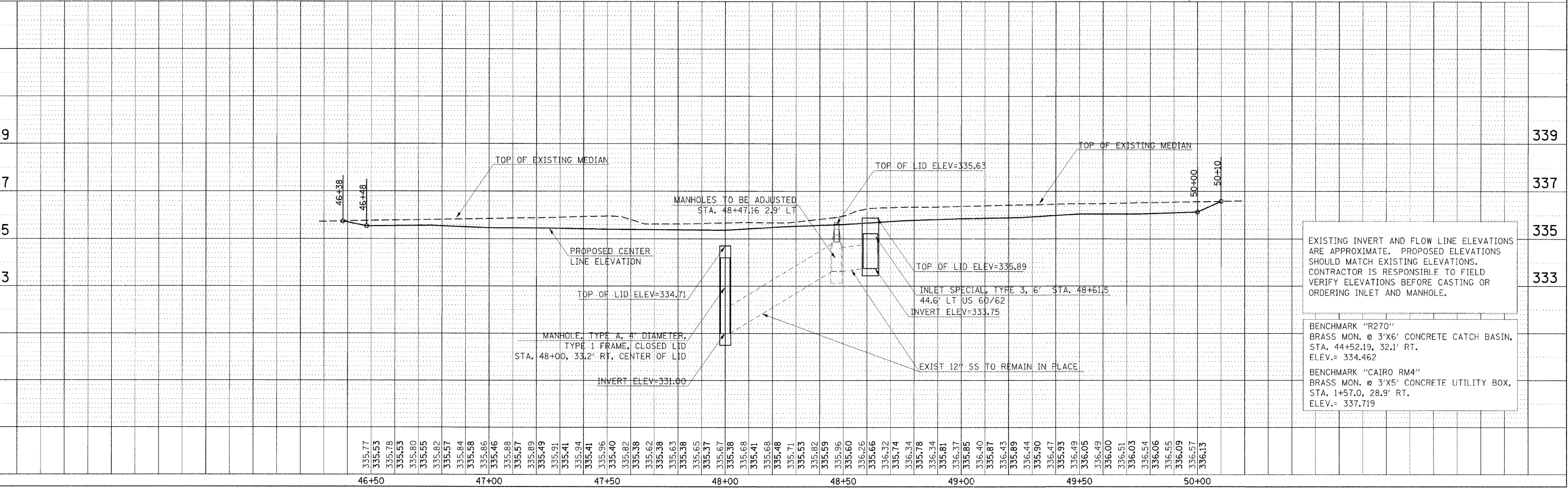
STA. TO STA.

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

- FAP 14 (US51/60/62)
- 138(N,TS-2,RS-2)
- ALEXANDER



NOTE: CONSTRUCT RAMP NOSE ACCORDING TO HIGHWAY STANDARD 606301-03.



EXISTING INVERT AND FLOW LINE ELEVATIONS ARE APPROXIMATE. PROPOSED ELEVATIONS SHOULD MATCH EXISTING ELEVATIONS. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ELEVATIONS BEFORE CASTING OR ORDERING INLET AND MANHOLE.

BENCHMARK "R270"  
BRASS MON. @ 3'X6' CONCRETE CATCH BASIN,  
STA. 44+52.19, 32.1' RT.  
ELEV.= 334.462

BENCHMARK "CAIRO RM4"  
BRASS MON. @ 3'X5' CONCRETE UTILITY BOX,  
STA. 1+57.0, 28.9' RT.  
ELEV.= 337.719

PLAN PROFILE - US 51 & 60/62

DATE	
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DESIGNED	
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IN CHARGE	
PROJECT NAME	
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DATE	
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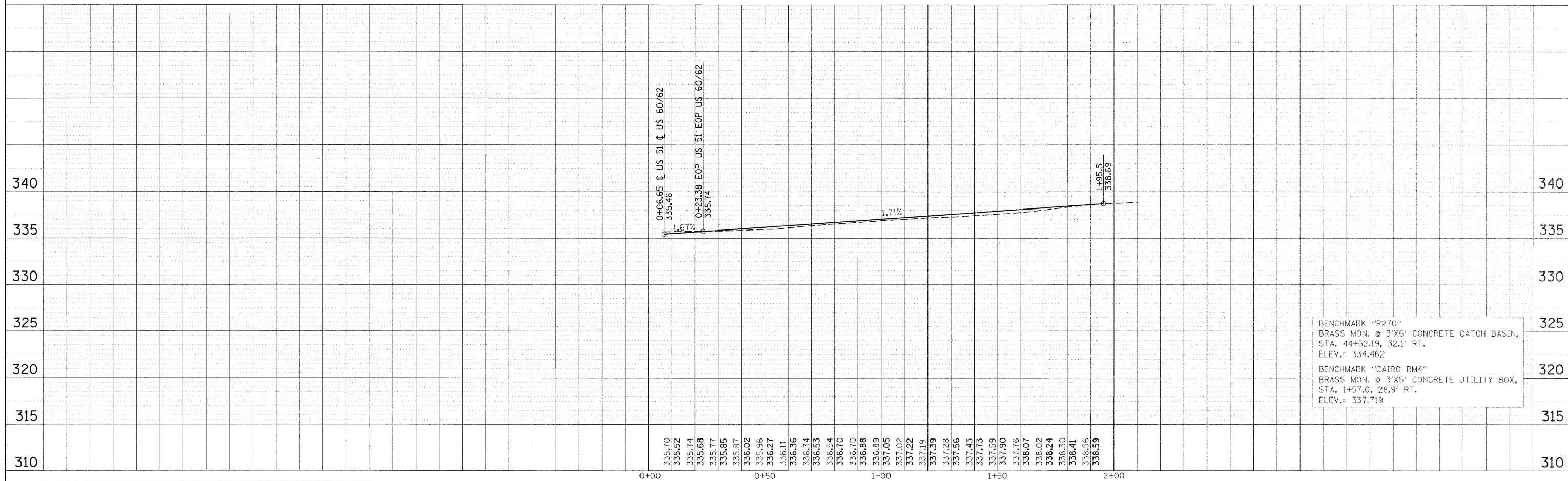
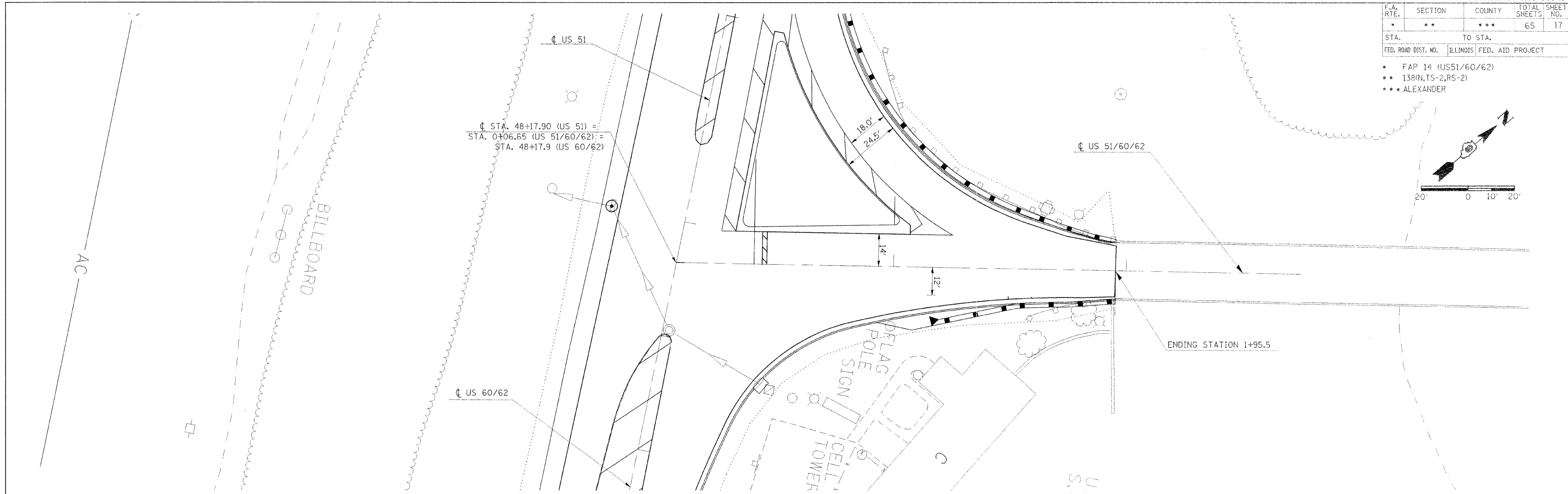
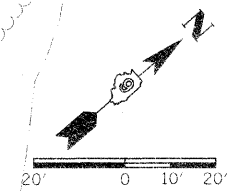
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	***	65	17

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

- \* FAP 14 (US51/60/62)
- \*\* 138(N,TS-2,RS-2)
- \*\*\* ALEXANDER



BENCHMARK "R270"  
BRASS MON. @ 3'X6' CONCRETE CATCH BASIN,  
STA. 44+52.19, 32.1' RT.  
ELEV.= 334.462

BENCHMARK "CAIRO RM4"  
BRASS MON. @ 3'X5' CONCRETE UTILITY BOX,  
STA. 1+57.0, 28.9' RT.  
ELEV.= 337.719

PLAN	REVISION	BY	DATE











PROFILE	REVISION	BY	DATE

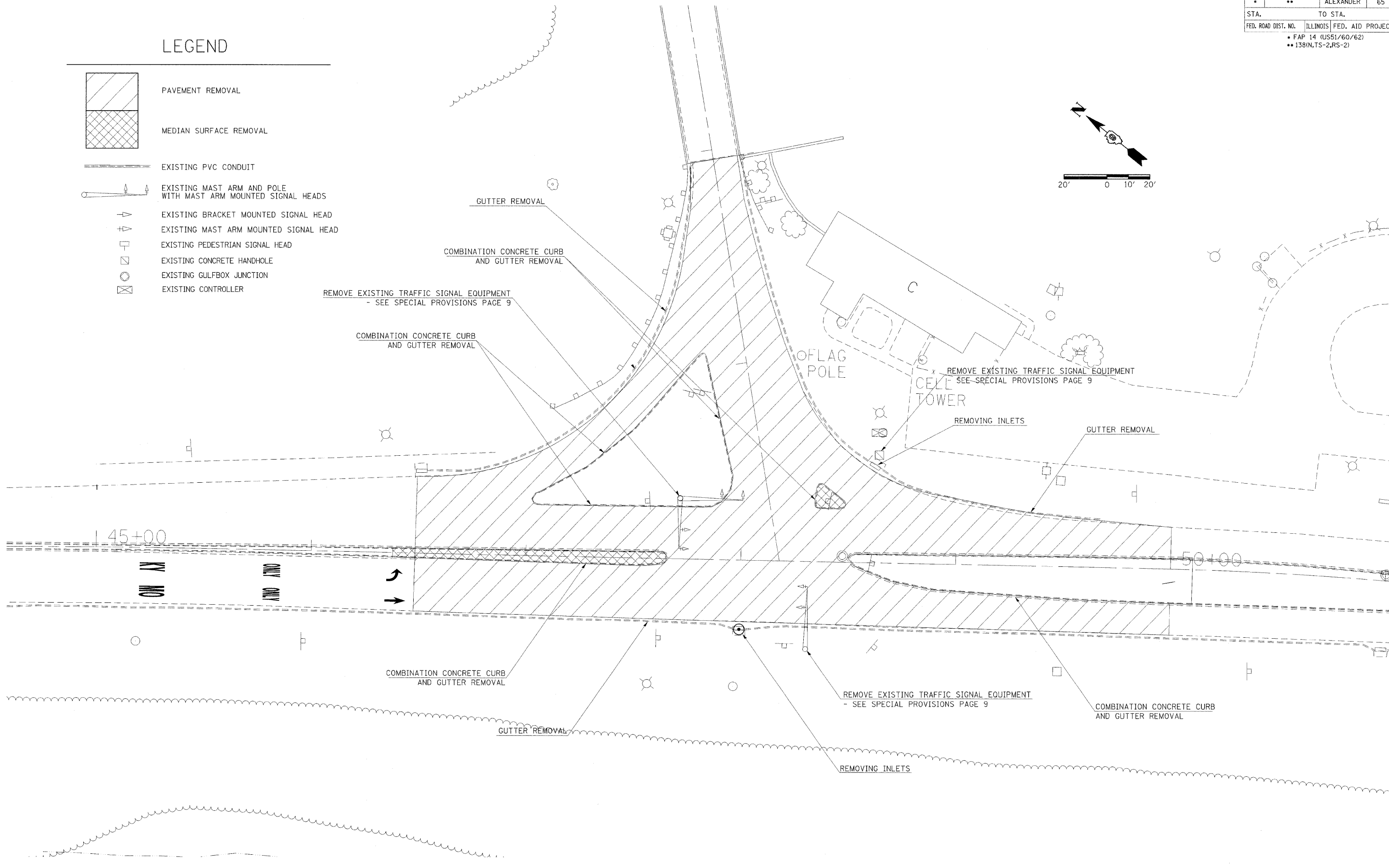
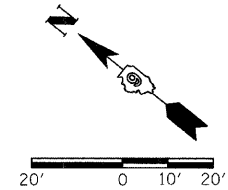
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PLAN PROFILE - US 51/60/62

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		• FAP 14 (US51/60/62)		
		•• 138(N,TS-2,RS-2)		

# LEGEND

-  PAVEMENT REMOVAL
-  MEDIAN SURFACE REMOVAL
-  EXISTING PVC CONDUIT
-  EXISTING MAST ARM AND POLE WITH MAST ARM MOUNTED SIGNAL HEADS
-  EXISTING BRACKET MOUNTED SIGNAL HEAD
-  EXISTING MAST ARM MOUNTED SIGNAL HEAD
-  EXISTING PEDESTRIAN SIGNAL HEAD
-  EXISTING CONCRETE HANDHOLE
-  EXISTING GULFBOX JUNCTION
-  EXISTING CONTROLLER

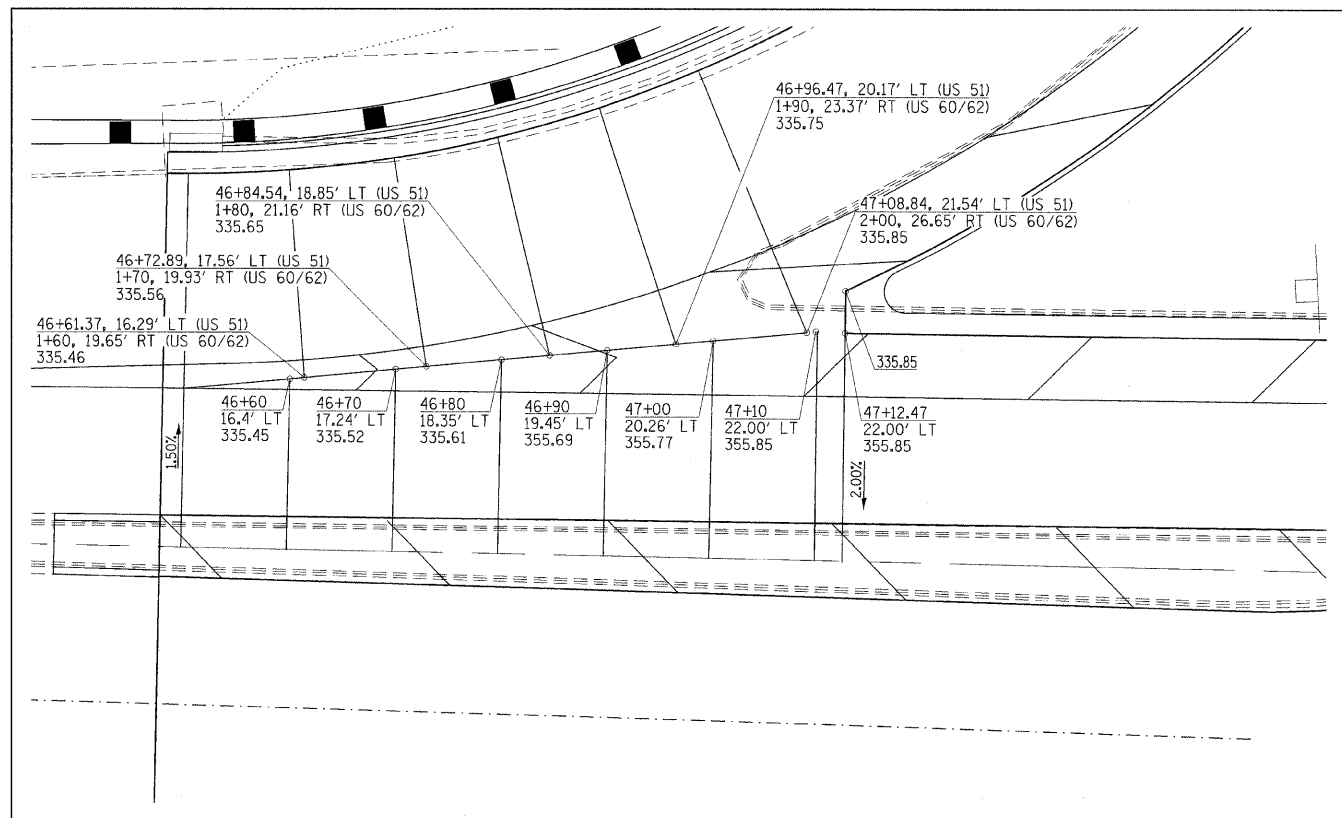


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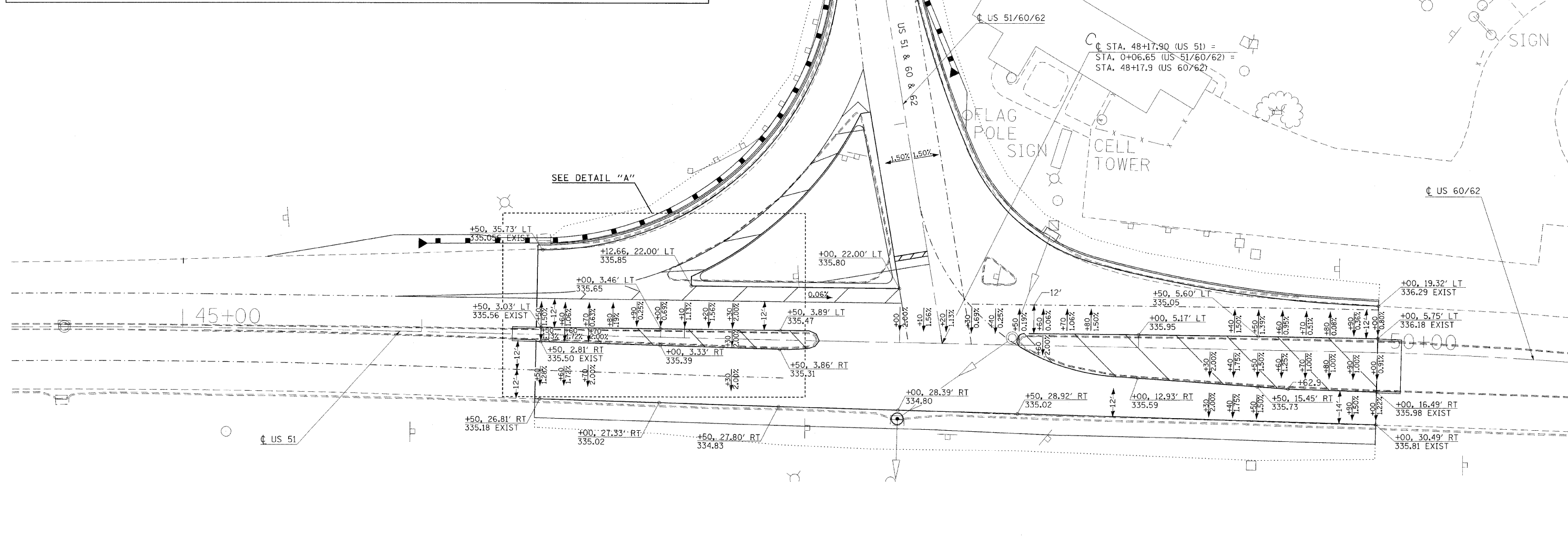
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	19
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

- FAP 14 (US51/60/62)
- 138(IN,TS-2,RS-2)

DETAIL "A"



SEE CROSS SECTIONS FOR DETAILED EDGE OF PAVEMENT OFFSETS AND ELEVATIONS AND FLUSH MEDIAN CROSS SLOPES.



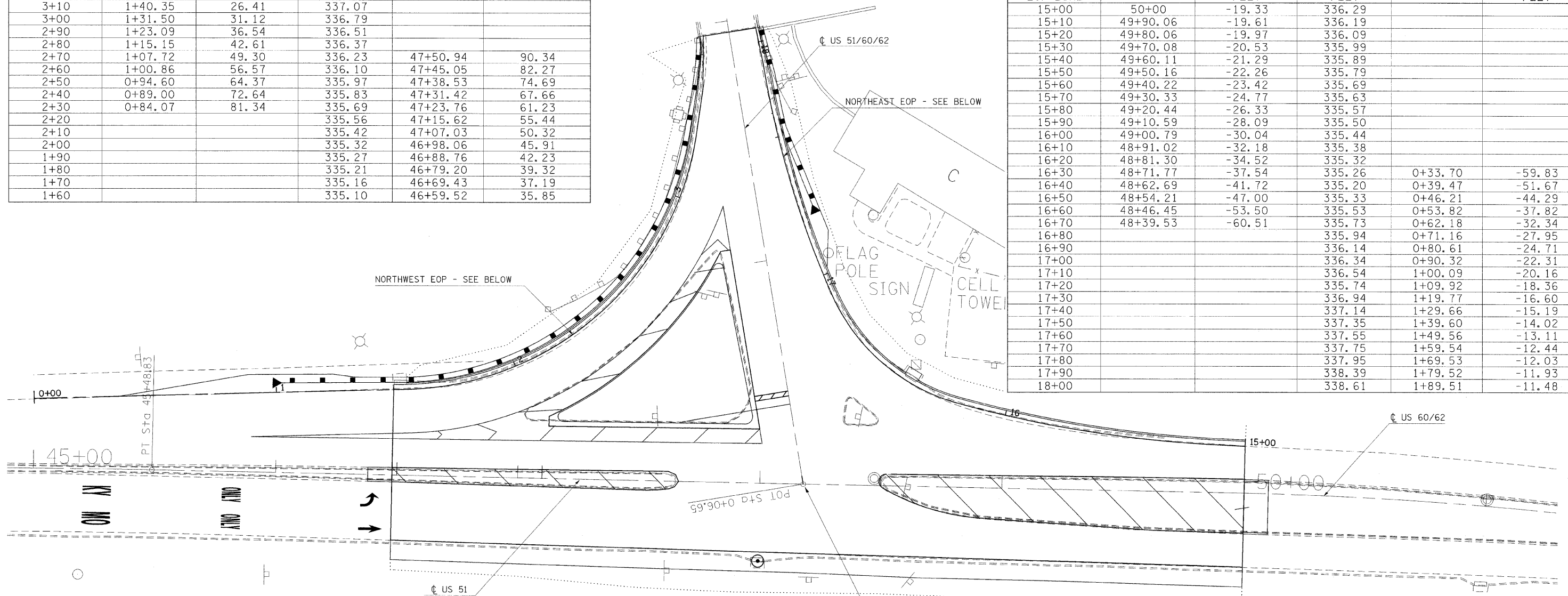
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PAVEMENT ELEVATIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	20
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* FAP 14 (US51/60/62)				
** 138(N,TS-2,R5-2)				

STATIONING ALONG NORTHWEST EOP LINE	STATIONING ALONG US 60	OFFSET TO EDGE OF PAVEMENT FEET	EDGE OF PAVEMENT ELEVATION FEET	STATIONING ALONG US 51	OFFSET TO EDGE OF PAVEMENT FEET
3+60	1+87.98	11.96	338.47		
3+50	1+78.13	13.65	338.19		
3+40	1+68.47	16.15	337.91		
3+30	1+58.93	19.17	337.63		
3+20	1+49.48	22.41	337.35		
3+10	1+40.35	26.41	337.07		
3+00	1+31.50	31.12	336.79		
2+90	1+23.09	36.54	336.51		
2+80	1+15.15	42.61	336.37		
2+70	1+07.72	49.30	336.23	47+50.94	90.34
2+60	1+00.86	56.57	336.10	47+45.05	82.27
2+50	0+94.60	64.37	335.97	47+38.53	74.69
2+40	0+89.00	72.64	335.83	47+31.42	67.66
2+30	0+84.07	81.34	335.69	47+23.76	61.23
2+20			335.56	47+15.62	55.44
2+10			335.42	47+07.03	50.32
2+00			335.32	46+98.06	45.91
1+90			335.27	46+88.76	42.23
1+80			335.21	46+79.20	39.32
1+70			335.16	46+69.43	37.19
1+60			335.10	46+59.52	35.85

STATIONING ALONG NORTHEAST EOP LINE	STATIONING ALONG US 51/60/62	OFFSET TO EDGE OF PAVEMENT FEET	EDGE OF PAVEMENT ELEVATION FEET	STATIONING ALONG US 60/62	OFFSET TO EDGE OF PAVEMENT FEET
15+00	50+00	-19.33	336.29		
15+10	49+90.06	-19.61	336.19		
15+20	49+80.06	-19.97	336.09		
15+30	49+70.08	-20.53	335.99		
15+40	49+60.11	-21.29	335.89		
15+50	49+50.16	-22.26	335.79		
15+60	49+40.22	-23.42	335.69		
15+70	49+30.33	-24.77	335.63		
15+80	49+20.44	-26.33	335.57		
15+90	49+10.59	-28.09	335.50		
16+00	49+00.79	-30.04	335.44		
16+10	48+91.02	-32.18	335.38		
16+20	48+81.30	-34.52	335.32		
16+30	48+71.77	-37.54	335.26	0+33.70	-59.83
16+40	48+62.69	-41.72	335.20	0+39.47	-51.67
16+50	48+54.21	-47.00	335.33	0+46.21	-44.29
16+60	48+46.45	-53.50	335.53	0+53.82	-37.82
16+70	48+39.53	-60.51	335.73	0+62.18	-32.34
16+80			335.94	0+71.16	-27.95
16+90			336.14	0+80.61	-24.71
17+00			336.34	0+90.32	-22.31
17+10			336.54	1+00.09	-20.16
17+20			335.74	1+09.92	-18.36
17+30			336.94	1+19.77	-16.60
17+40			337.14	1+29.66	-15.19
17+50			337.35	1+39.60	-14.02
17+60			337.55	1+49.56	-13.11
17+70			337.75	1+59.54	-12.44
17+80			337.95	1+69.53	-12.03
17+90			338.39	1+79.52	-11.93
18+00			338.61	1+89.51	-11.48



**NORTHWEST EOP**  
 STA. 0+00 N 118,402.4497 E 745,052.7444  
 STA. 0+50.36 N 118,364.4429 E 745,085.7788

**CURVE DATA**  
 PI STA. 2+60.32 N 118,205.8967 E 745,223.4320  
 DELTA 81° 15' 7.57" (LT)  
 DEGREE 46° 12' 22.59"  
 TANGENT 106.3787  
 LENGTH 175.8456  
 RADIUS 124.00  
 EXTERNAL 39.3782  
 PC STA. 1+53.94 N 118,286.2241 E 745,153.6901  
 PT STA. 3+29.79 N 118,262.6106 E 745,313.4318

STA. 3+46.08 N 118,271.0850 E 745,327.3447  
 STA. 3+67.63 N 118,284.6978 E 745,344.0477

**NORTH EAST EOP**  
 STA. 15+00.00 N 118,004.5342 E 745,356.2319

**CURVE DATA 1**  
 PI STA. 15+65.76 N 118,057.2102 E 745,316.8688  
 DELTA 12 DEG 31 MIN 40.46 SEC (RT)  
 DEGREE 11 DEG 27 MIN 32.96 SEC  
 TANGENT 54.8821  
 LENGTH 109.3266  
 RADIUS 500.00  
 EXTERNAL 3.0030  
 PC STA. 15+10.88 N 118,013.2469 E 745,349.7211  
 PT STA. 16+20.20 N 118,107.2529 E 745,294.3349

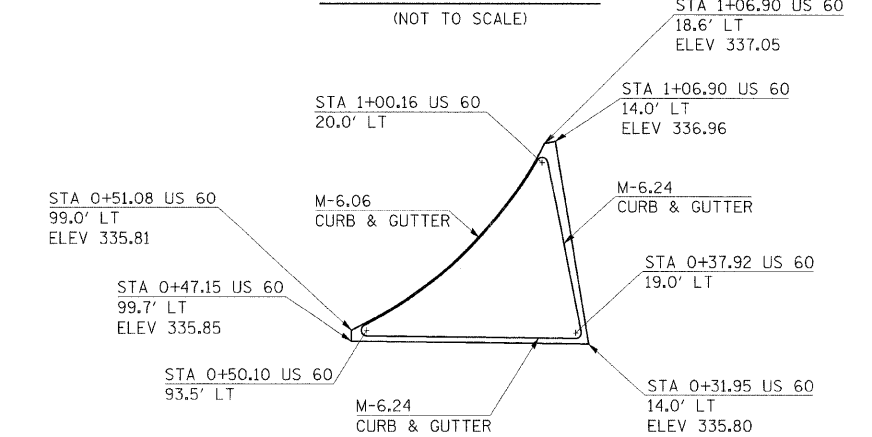
**CURVE DATA 2**  
 PI STA. 16+58.33 N 118,142.0142 E 745,278.6822  
 DELTA 50 DEG 57 MIN 32.21 SEC (RT)  
 DEGREE 71 DEG 37 MIN 11.01 SEC  
 TANGENT 38.1229  
 LENGTH 71.1521  
 RADIUS 80.00  
 EXTERNAL 8.6191  
 PC STA. 16+20.20 N 118,107.2529 E 745,294.3349  
 PT STA. 16+91.36 N 118,176.0669 E 745,295.8218

**CURVE DATA 3**  
 PI STA. 17+41.75 N 118,221.0818 E 745,318.4789  
 DELTA 14 DEG 21 MIN 41.44 SEC (RT)  
 DEGREE 14 DEG 19 MIN 26.20 SEC  
 TANGENT 50.3953  
 LENGTH 100.2623  
 RADIUS 400.00  
 EXTERNAL 3.1621  
 PC STA. 16+91.36 N 118,176.0669 E 745,295.8218  
 PT STA. 17+91.62 N 118,259.0701 E 745,351.5934

STA. 18+05.75 N 118,270.1324 E 745,360.3808

STA. 48+17.90 (US 51) =  
 STA. 0+06.65 (US 51/60/62) =  
 STA. 48+17.9 (US 60/62)

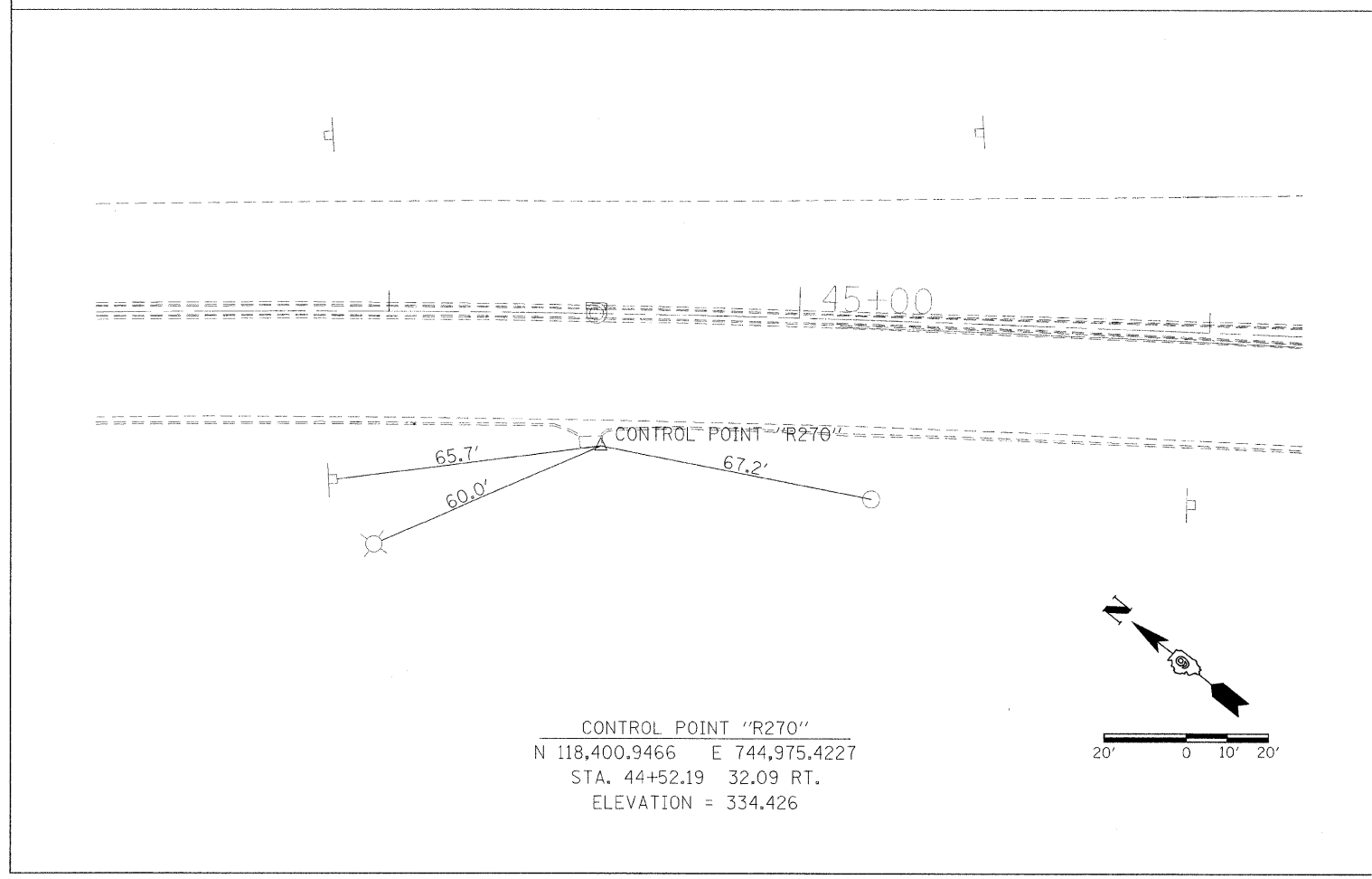
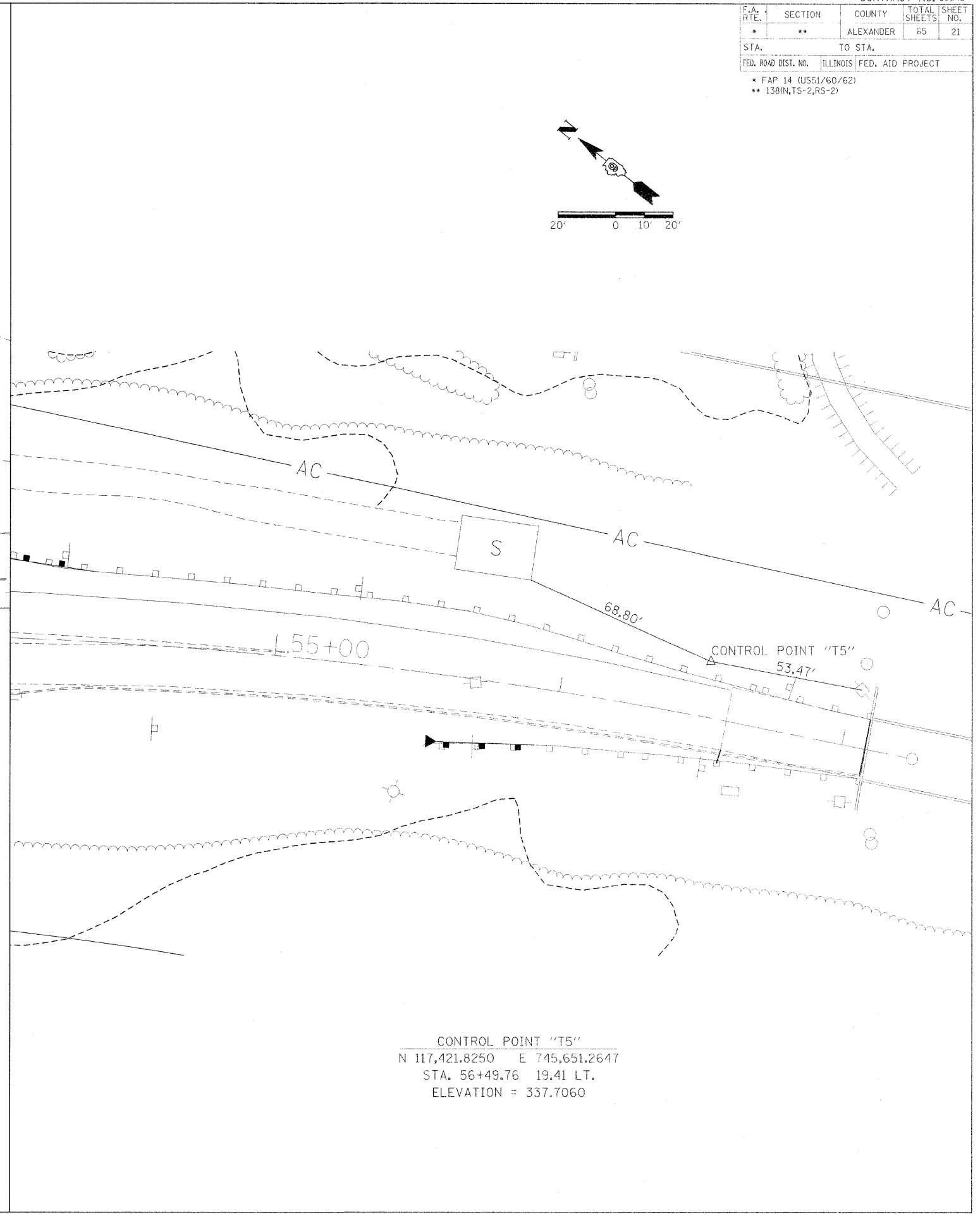
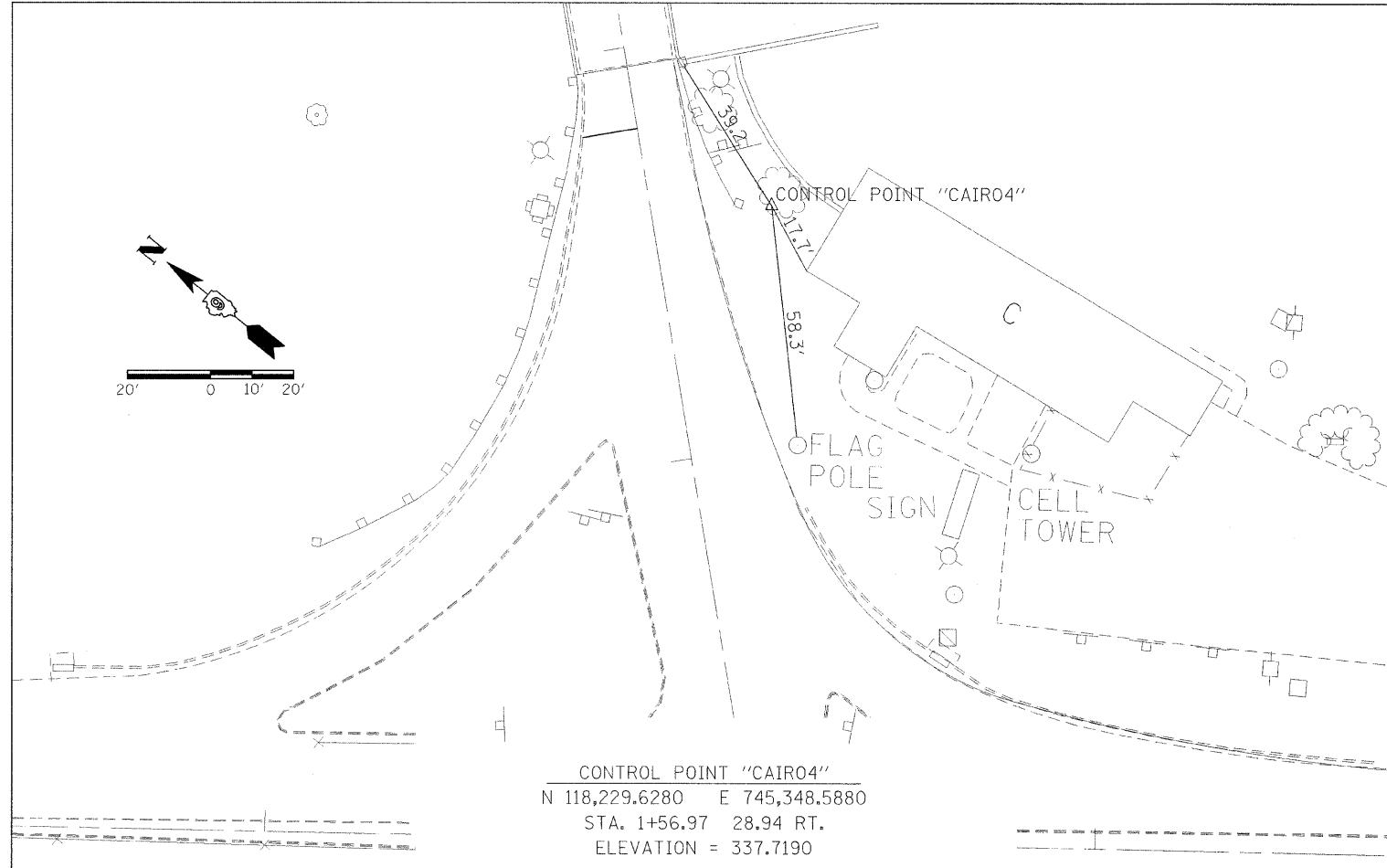
**NEW ISLAND DETAIL**



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	ALEXANDER	65	21

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

- FAP 14 (US51/60/62)
- 138(N,TS-2,RS-2)

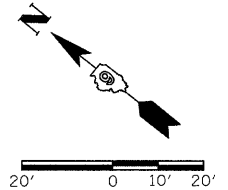
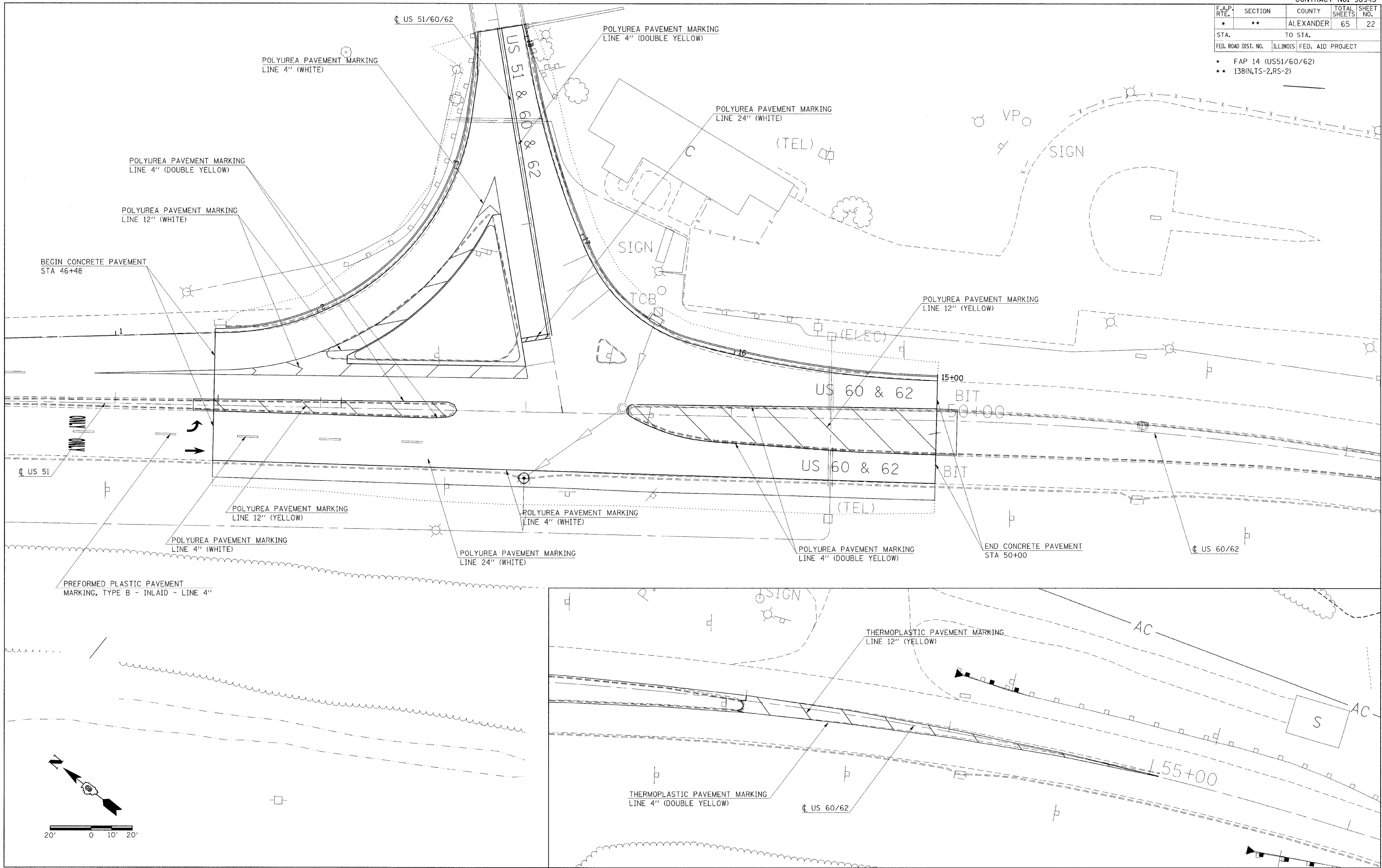


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USER NAME = j...

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	22

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

- \* FAP 14 (US51/60/62)
- \*\* 138(IN,TS-2,RS-2)



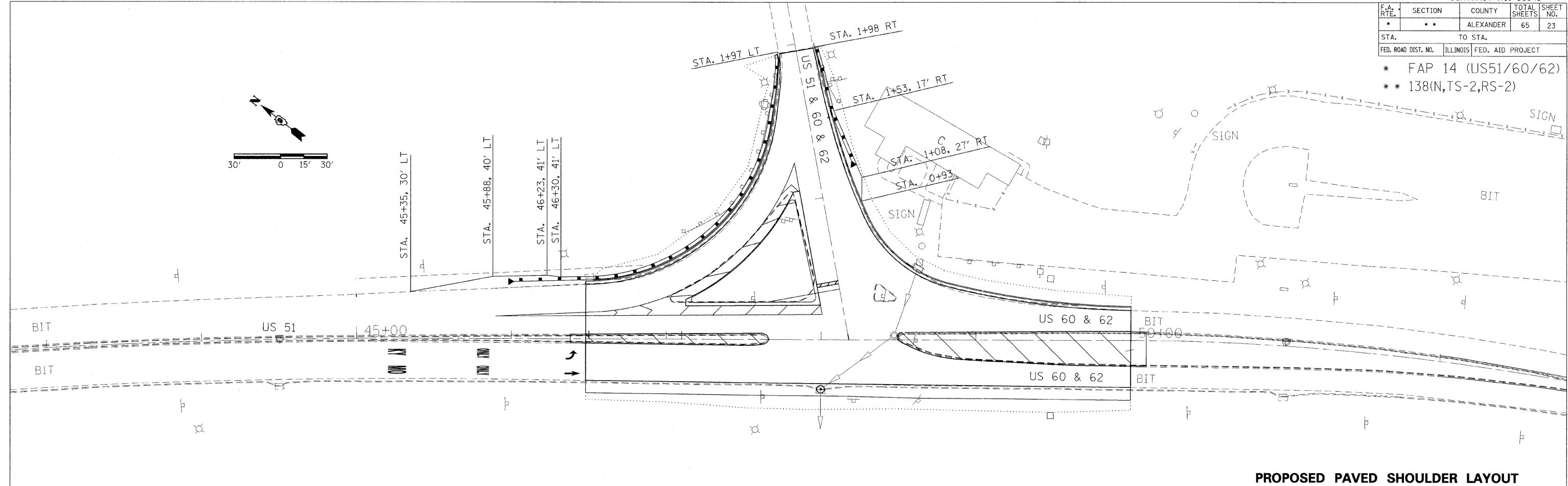
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	*	ALEXANDER	65	23

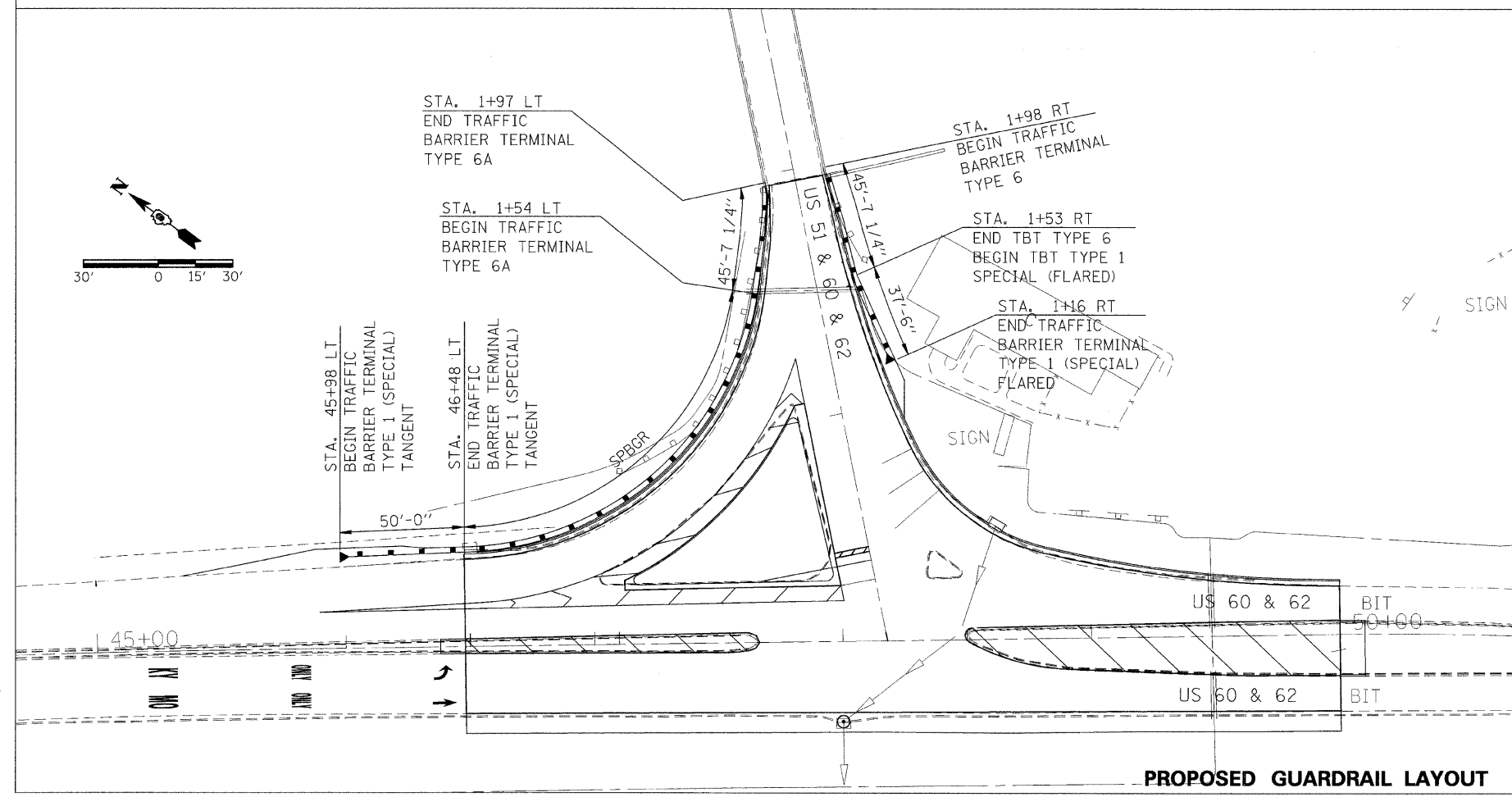
STA. TO STA.

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

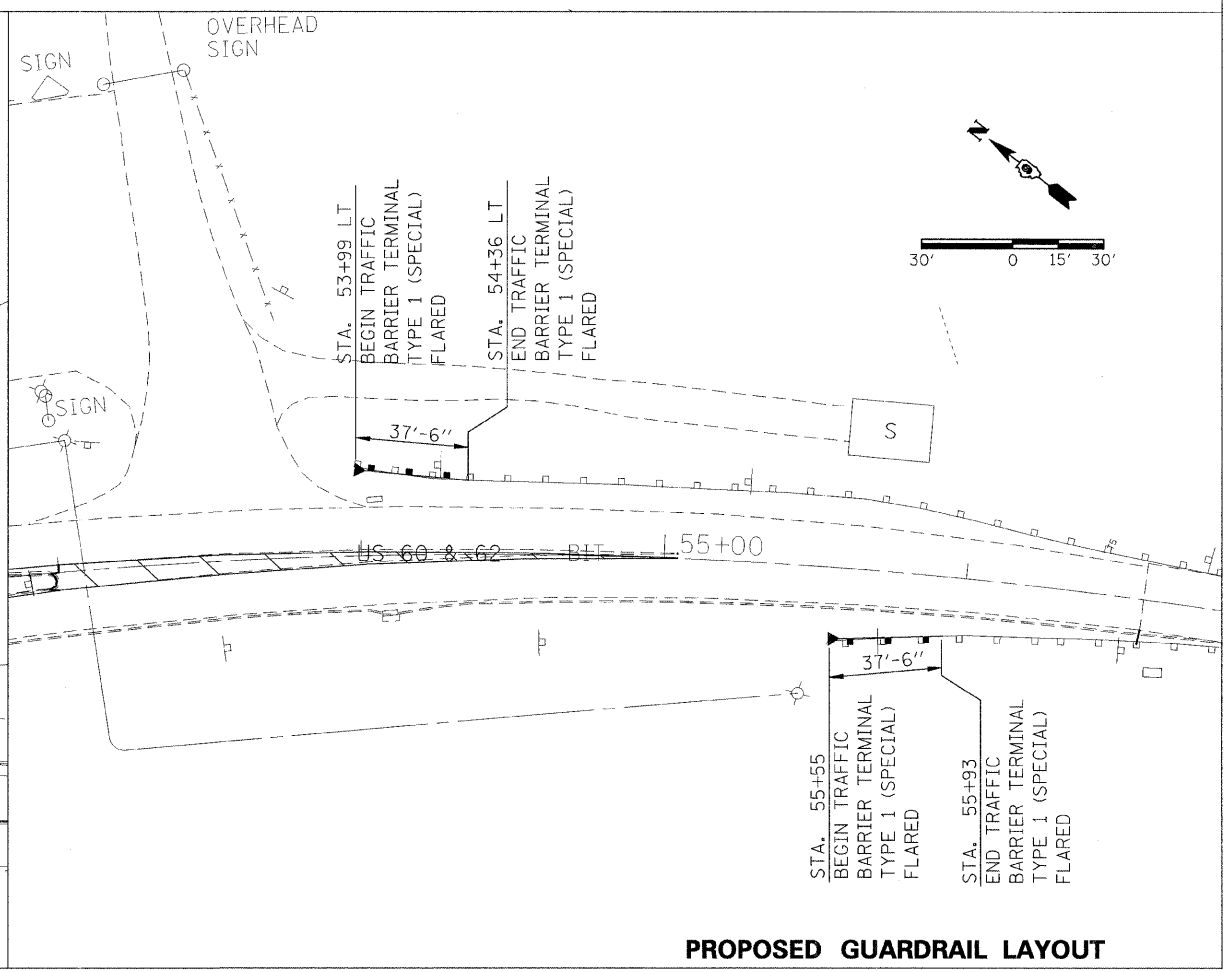
\* FAP 14 (US51/60/62)  
 \*\* 138(N,TS-2,RS-2)



PROPOSED PAVED SHOULDER LAYOUT



PROPOSED GUARDRAIL LAYOUT



PROPOSED GUARDRAIL LAYOUT

PAVED SHOULDER AND GUARDRAIL DETAIL SHEET

PLOT DATE = 1/22/2008  
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 PLOT SCALE = 3/8" = 1' IN.  
 USER NAME = rmasdp

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	24

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

- \* FAP 14 (US51/60/62)
- \*\* 138(IN,TS-2,RS-2)

**NOTES:**

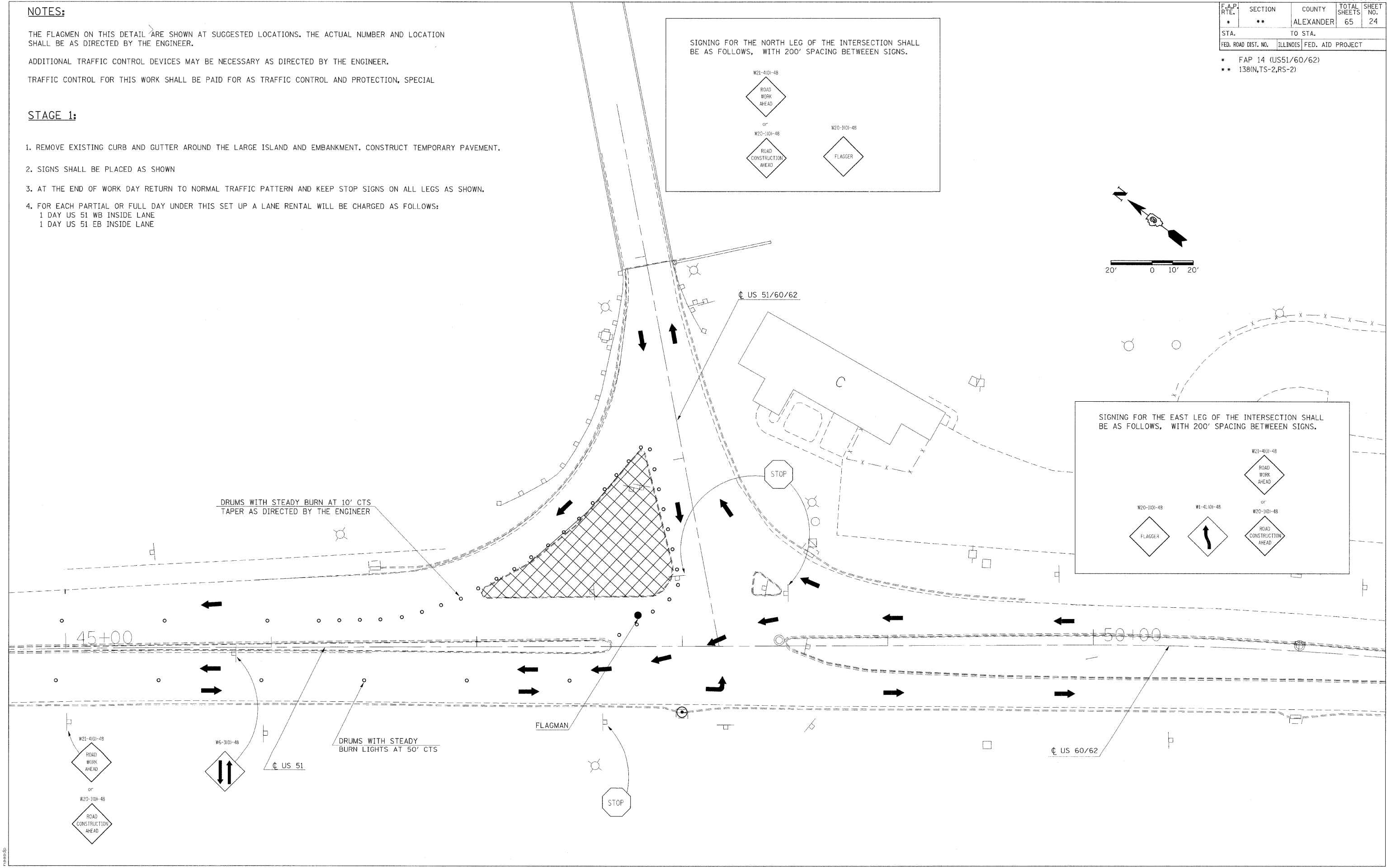
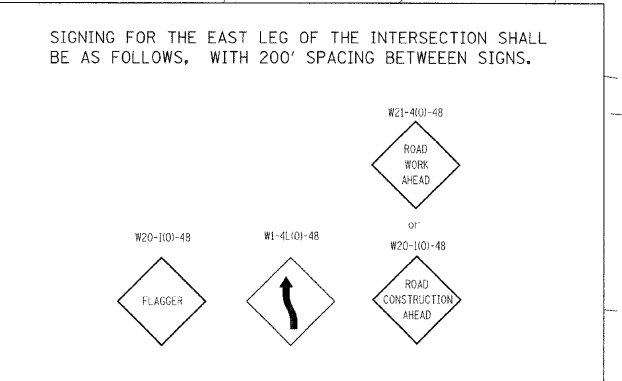
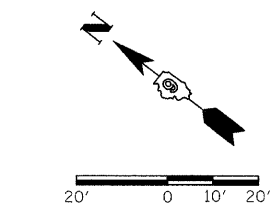
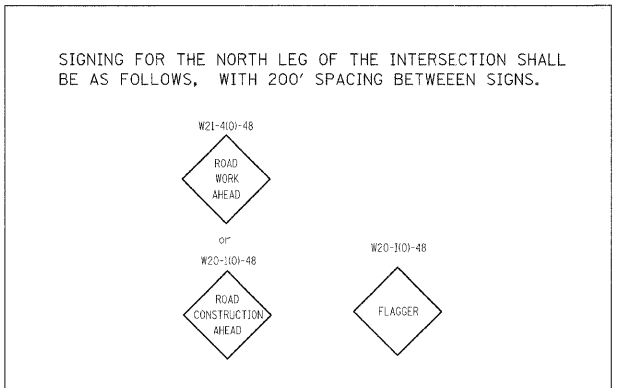
THE FLAGMEN ON THIS DETAIL ARE SHOWN AT SUGGESTED LOCATIONS. THE ACTUAL NUMBER AND LOCATION SHALL BE AS DIRECTED BY THE ENGINEER.

ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL FOR THIS WORK SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, SPECIAL

**STAGE 1:**

1. REMOVE EXISTING CURB AND GUTTER AROUND THE LARGE ISLAND AND EMBANKMENT. CONSTRUCT TEMPORARY PAVEMENT.
2. SIGNS SHALL BE PLACED AS SHOWN
3. AT THE END OF WORK DAY RETURN TO NORMAL TRAFFIC PATTERN AND KEEP STOP SIGNS ON ALL LEGS AS SHOWN.
4. FOR EACH PARTIAL OR FULL DAY UNDER THIS SET UP A LANE RENTAL WILL BE CHARGED AS FOLLOWS:  
1 DAY US 51 WB INSIDE LANE  
1 DAY US 51 EB INSIDE LANE



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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	25
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

- \* FAP 14 (US51/60/62)
- \*\* 138(IN,TS-2,RS-2)

**NOTES:**

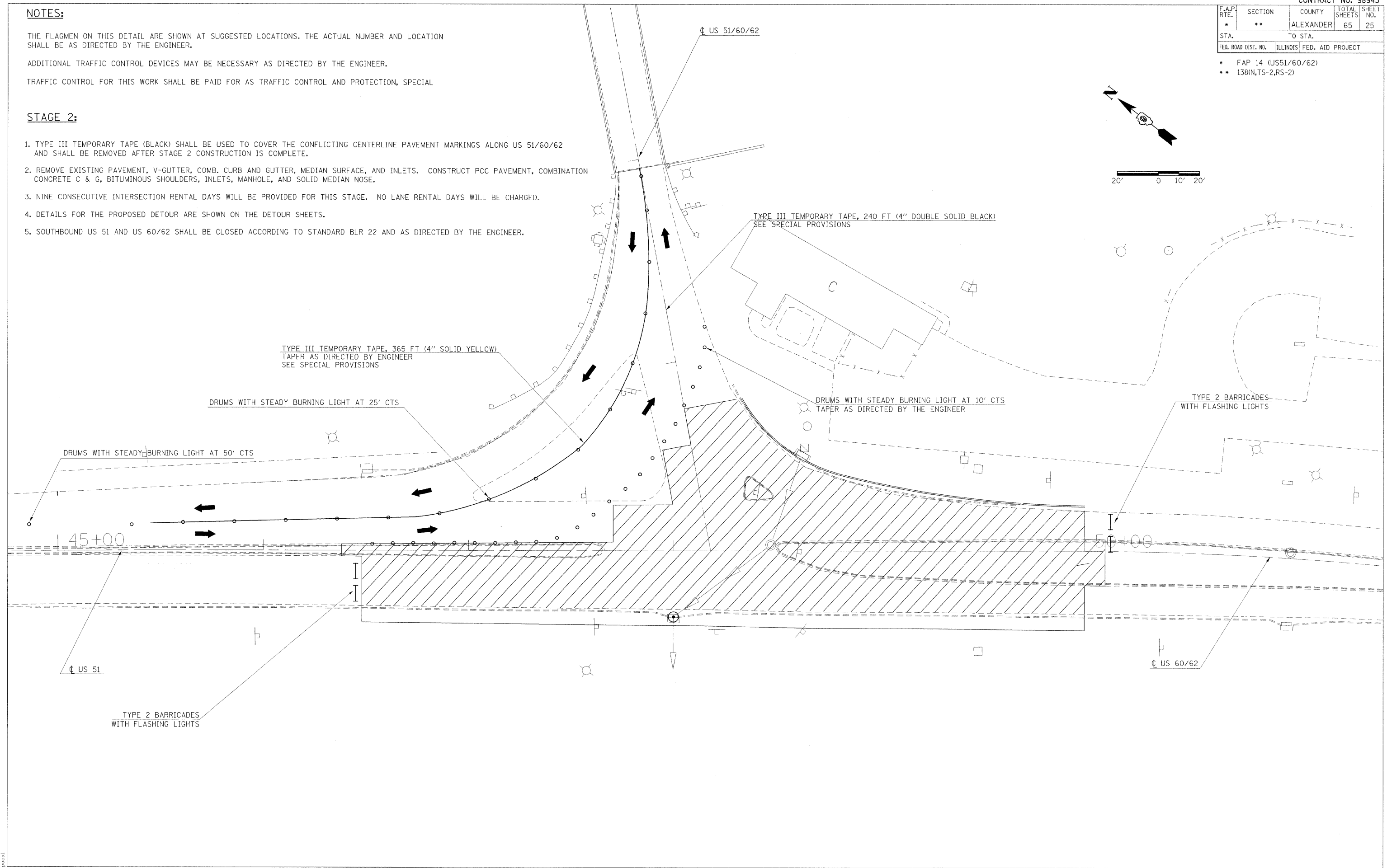
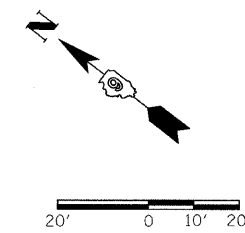
THE FLAGMEN ON THIS DETAIL ARE SHOWN AT SUGGESTED LOCATIONS. THE ACTUAL NUMBER AND LOCATION SHALL BE AS DIRECTED BY THE ENGINEER.

ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL FOR THIS WORK SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, SPECIAL

**STAGE 2:**

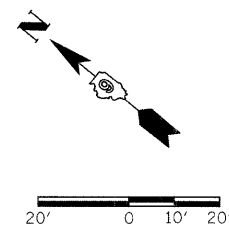
1. TYPE III TEMPORARY TAPE (BLACK) SHALL BE USED TO COVER THE CONFLICTING CENTERLINE PAVEMENT MARKINGS ALONG US 51/60/62 AND SHALL BE REMOVED AFTER STAGE 2 CONSTRUCTION IS COMPLETE.
2. REMOVE EXISTING PAVEMENT, V-GUTTER, COMB. CURB AND GUTTER, MEDIAN SURFACE, AND INLETS. CONSTRUCT PCC PAVEMENT, COMBINATION CONCRETE C & G, BITUMINOUS SHOULDERS, INLETS, MANHOLE, AND SOLID MEDIAN NOSE.
3. NINE CONSECUTIVE INTERSECTION RENTAL DAYS WILL BE PROVIDED FOR THIS STAGE. NO LANE RENTAL DAYS WILL BE CHARGED.
4. DETAILS FOR THE PROPOSED DETOUR ARE SHOWN ON THE DETOUR SHEETS.
5. SOUTHBOUND US 51 AND US 60/62 SHALL BE CLOSED ACCORDING TO STANDARD BLR 22 AND AS DIRECTED BY THE ENGINEER.



1/29/2007  
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	26
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

- \* FAP 14 (US51/60/62)
- \*\* 138(N,TS-2,RS-2)



**NOTES:**

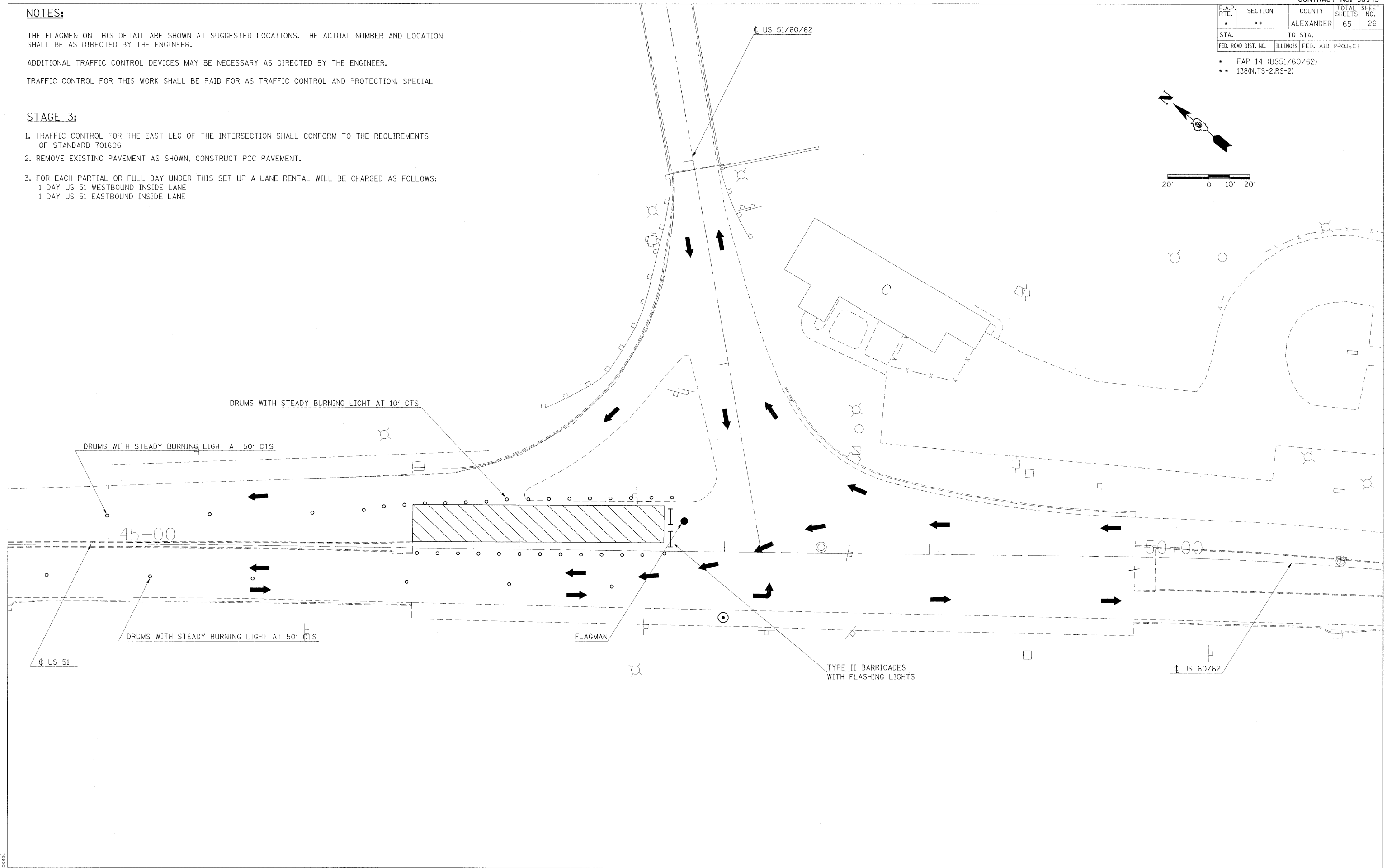
THE FLAGMEN ON THIS DETAIL ARE SHOWN AT SUGGESTED LOCATIONS. THE ACTUAL NUMBER AND LOCATION SHALL BE AS DIRECTED BY THE ENGINEER.

ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL FOR THIS WORK SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, SPECIAL

**STAGE 3:**

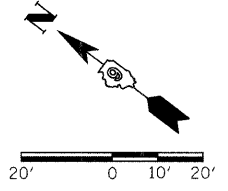
1. TRAFFIC CONTROL FOR THE EAST LEG OF THE INTERSECTION SHALL CONFORM TO THE REQUIREMENTS OF STANDARD 701606
2. REMOVE EXISTING PAVEMENT AS SHOWN, CONSTRUCT PCC PAVEMENT.
3. FOR EACH PARTIAL OR FULL DAY UNDER THIS SET UP A LANE RENTAL WILL BE CHARGED AS FOLLOWS:  
1 DAY US 51 WESTBOUND INSIDE LANE  
1 DAY US 51 EASTBOUND INSIDE LANE



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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	27
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

- \* FAP 14 (US51/60/62)
- \*\* 138(N,TS-2,RS-2)



**NOTES:**

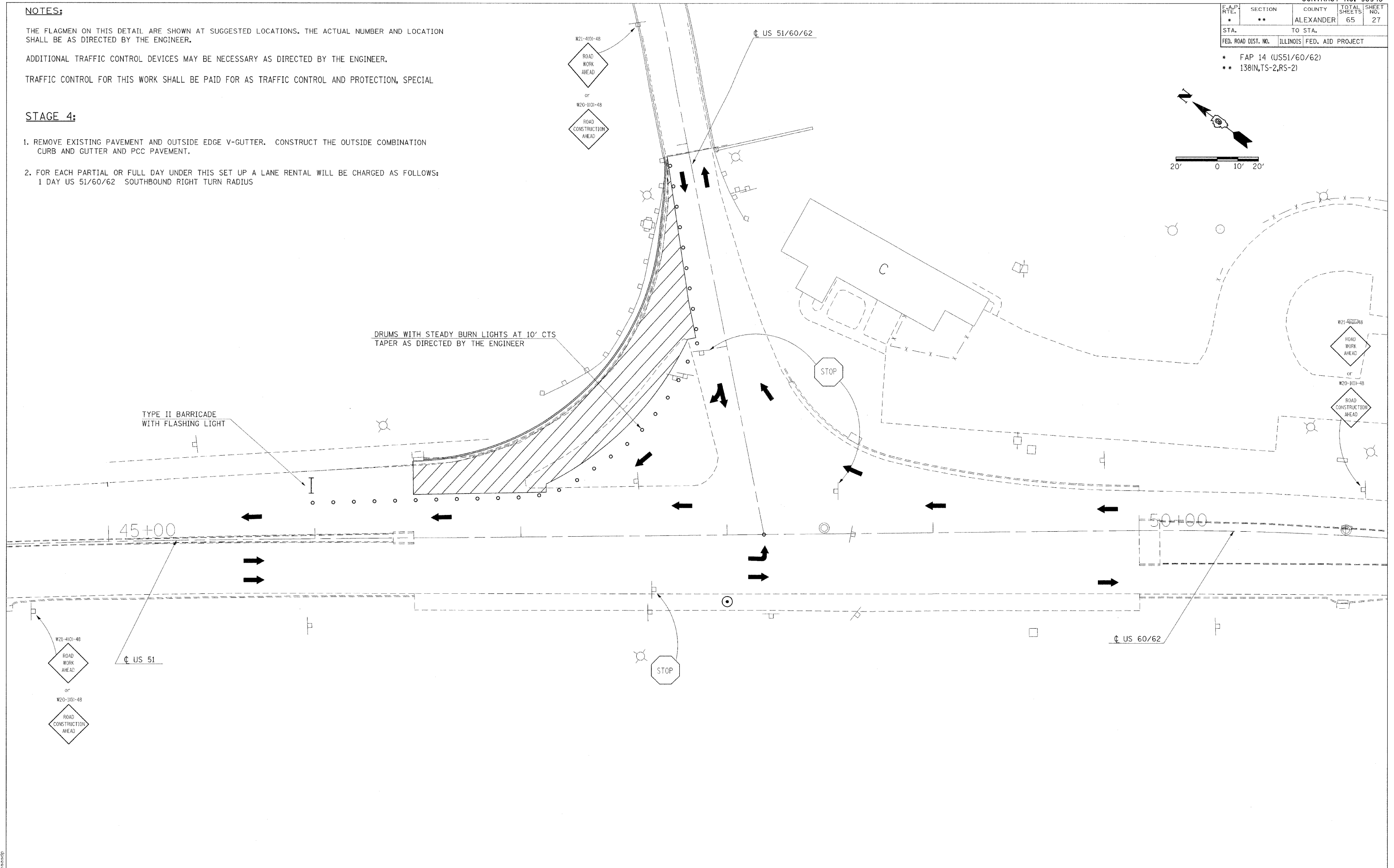
THE FLAGMEN ON THIS DETAIL ARE SHOWN AT SUGGESTED LOCATIONS. THE ACTUAL NUMBER AND LOCATION SHALL BE AS DIRECTED BY THE ENGINEER.

ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL FOR THIS WORK SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, SPECIAL

**STAGE 4:**

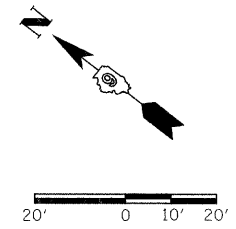
1. REMOVE EXISTING PAVEMENT AND OUTSIDE EDGE V-GUTTER. CONSTRUCT THE OUTSIDE COMBINATION CURB AND GUTTER AND PCC PAVEMENT.
2. FOR EACH PARTIAL OR FULL DAY UNDER THIS SET UP A LANE RENTAL WILL BE CHARGED AS FOLLOWS:  
1 DAY US 51/60/62 SOUTHBOUND RIGHT TURN RADIUS



1/22/2008  
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	28
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

- \* FAP 14 (US51/60/62)
- \*\* 138(N,TS-2,RS-2)



**NOTES:**

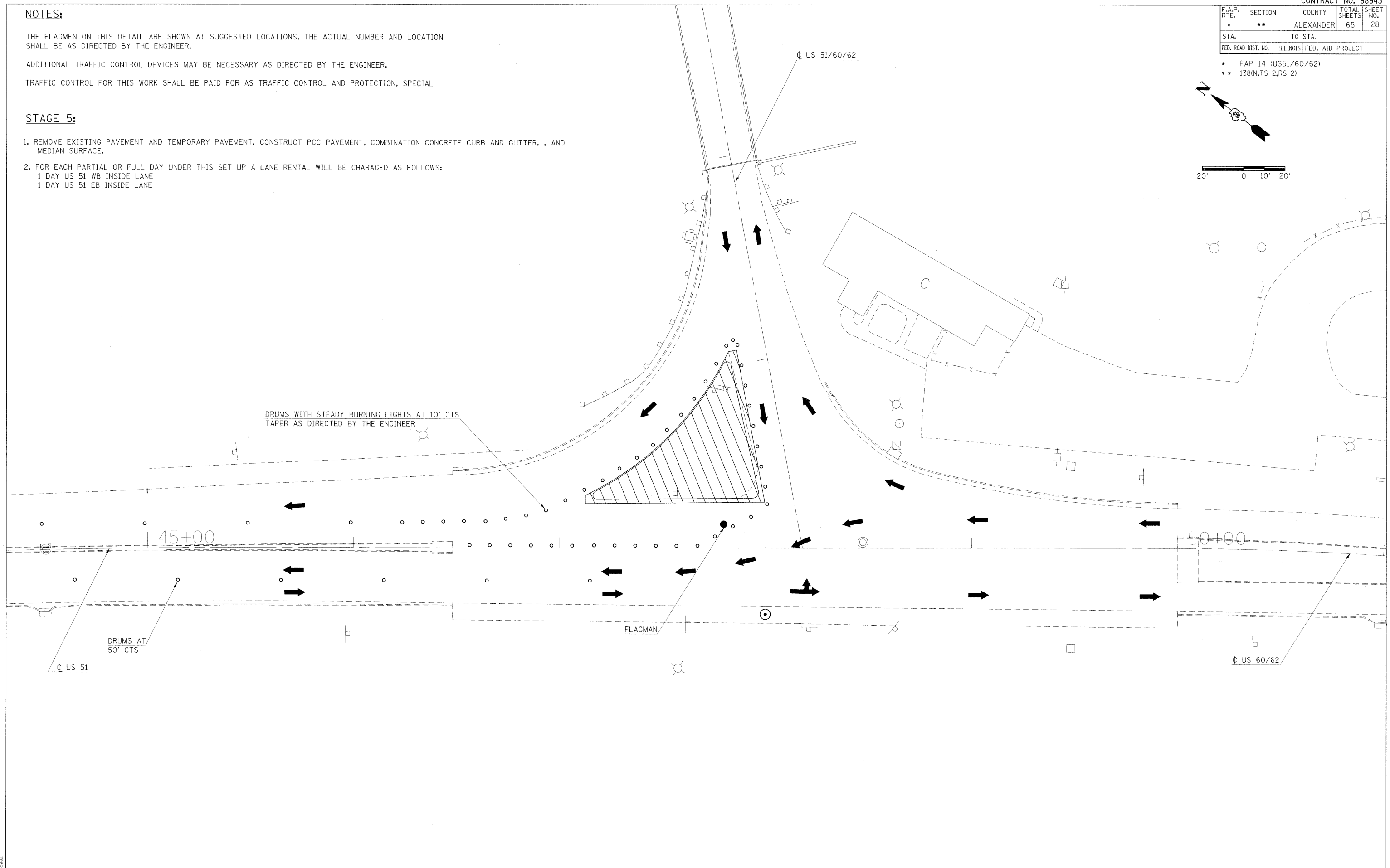
THE FLAGMEN ON THIS DETAIL ARE SHOWN AT SUGGESTED LOCATIONS. THE ACTUAL NUMBER AND LOCATION SHALL BE AS DIRECTED BY THE ENGINEER.

ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL FOR THIS WORK SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, SPECIAL

**STAGE 5:**

1. REMOVE EXISTING PAVEMENT AND TEMPORARY PAVEMENT. CONSTRUCT PCC PAVEMENT, COMBINATION CONCRETE CURB AND GUTTER, , AND MEDIAN SURFACE.
2. FOR EACH PARTIAL OR FULL DAY UNDER THIS SET UP A LANE RENTAL WILL BE CHARGED AS FOLLOWS:  
 1 DAY US 51 WB INSIDE LANE  
 1 DAY US 51 EB INSIDE LANE



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	29
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

- \* FAP 14 (US51/60/62)
- \*\* 138(N,TS-2,RS-2)

**NOTES:**

THE FLAGMEN ON THIS DETAIL ARE SHOWN AT SUGGESTED LOCATIONS. THE ACTUAL NUMBER AND LOCATION SHALL BE AS DIRECTED BY THE ENGINEER.

ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL FOR THIS WORK SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, SPECIAL

**STAGE 6:**

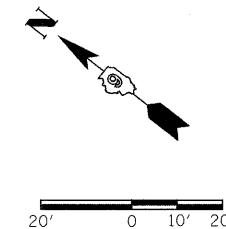
1. 24 HOUR FLAGGERS SHALL BE REQUIRED.
2. REMOVE EXISTING PAVEMENT, CONSTRUCT PCC PAVEMENT AND ELASTIC JOINT SEALER.
3. TAPER AND SIGNING FOR THE NORTH LEG SHALL BE ACCORDING TO STANDARD 701206.
4. FOR EACH PARTIAL OR FULL DAY UNDER THIS SET UP A LANE RENTAL WILL BE CHARGED AS FOLLOWS:  
1 DAY US 51/60/62 SOUTHBOUND LANE

FLAGMAN

US 51/60/62

TWO-WAY TRAFFIC CONTROLLED BY FLAGMAN

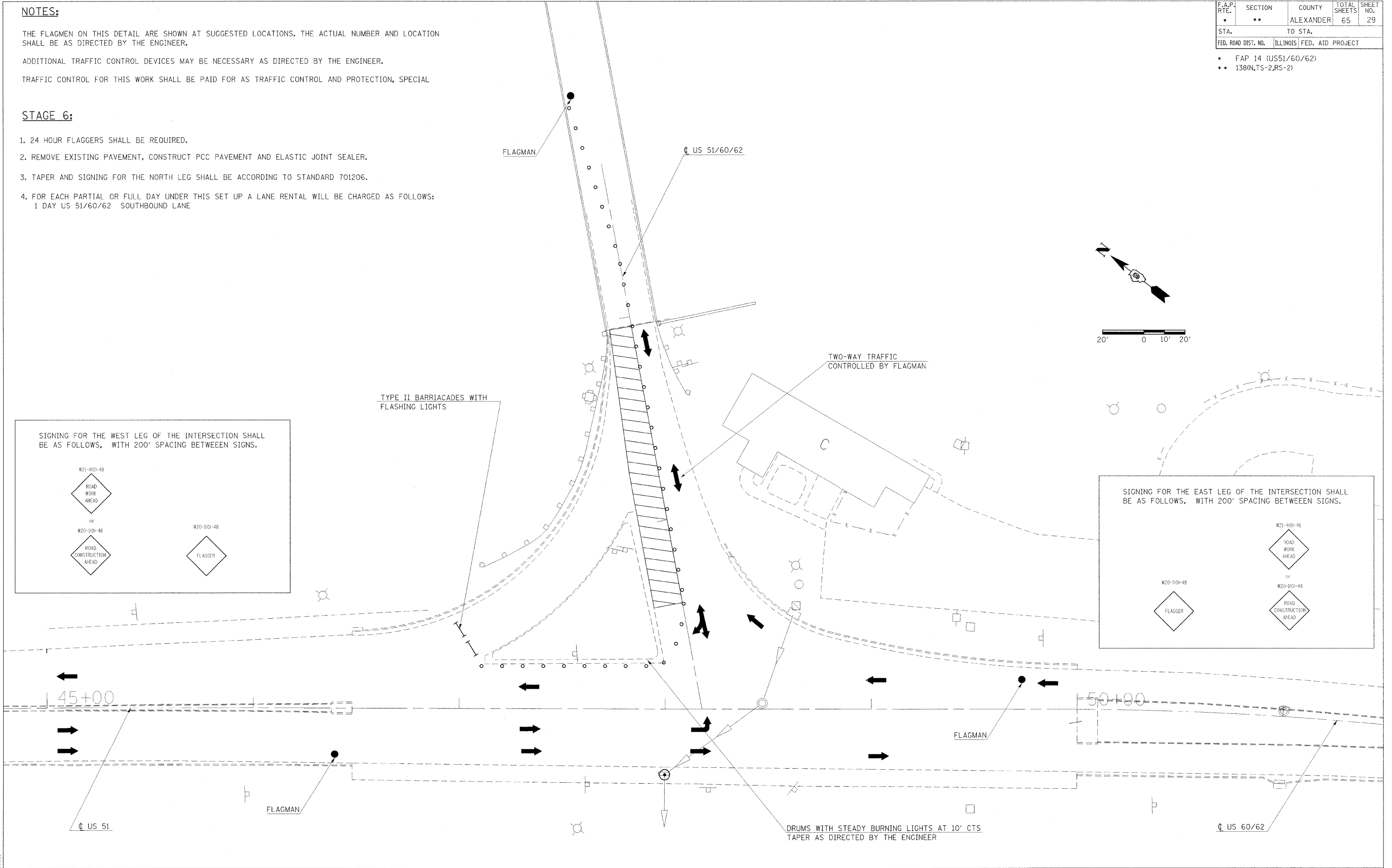
TYPE II BARRICADES WITH FLASHING LIGHTS



SIGNING FOR THE WEST LEG OF THE INTERSECTION SHALL BE AS FOLLOWS, WITH 200' SPACING BETWEEN SIGNS.

SIGNING FOR THE EAST LEG OF THE INTERSECTION SHALL BE AS FOLLOWS, WITH 200' SPACING BETWEEN SIGNS.

11/29/2007  
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page1



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	30
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

- \* FAP 14 (US51/60/62)
- \*\* 138(N,TS-2,RS-2)

**NOTES:**

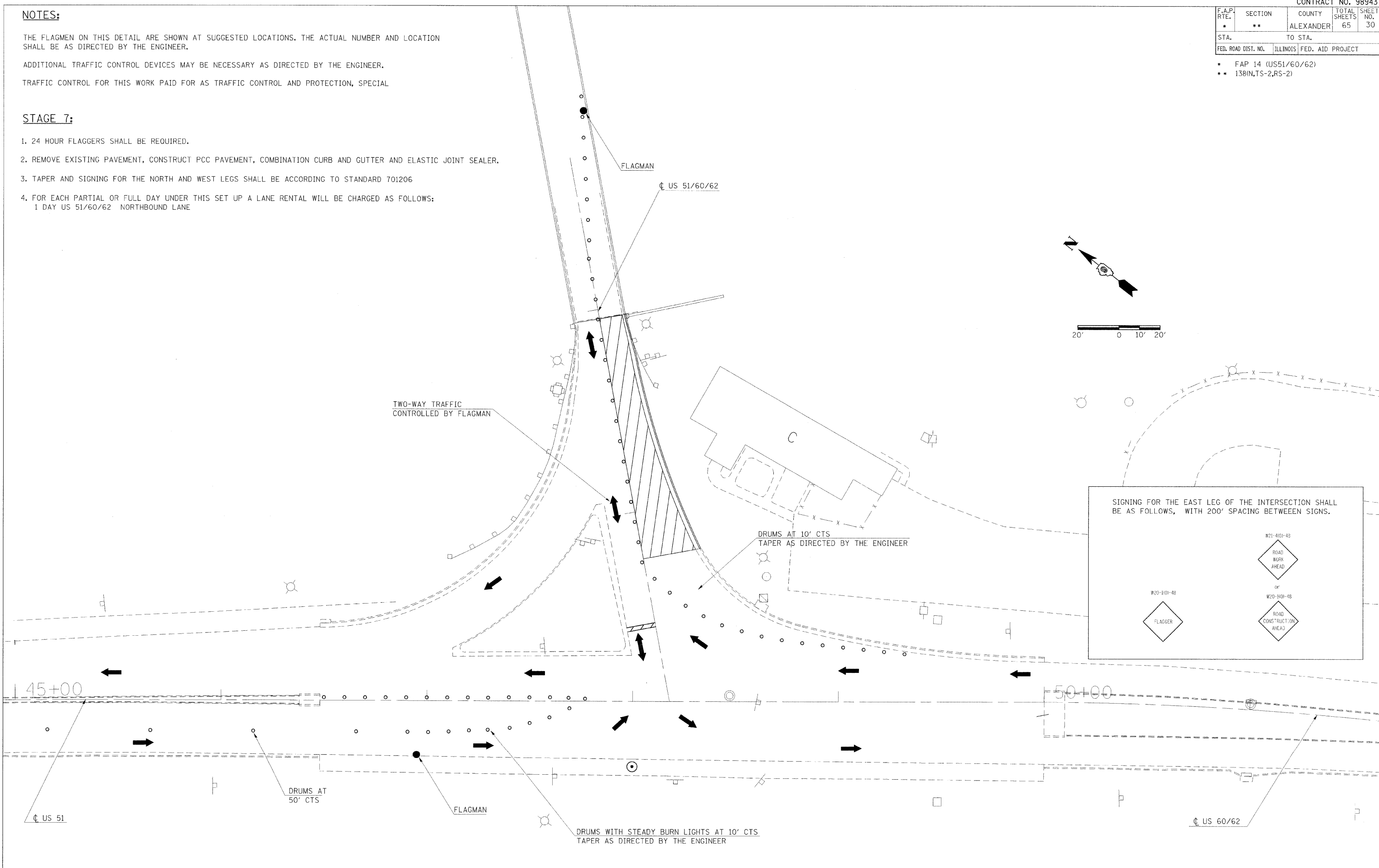
THE FLAGMEN ON THIS DETAIL ARE SHOWN AT SUGGESTED LOCATIONS. THE ACTUAL NUMBER AND LOCATION SHALL BE AS DIRECTED BY THE ENGINEER.

ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL FOR THIS WORK PAID FOR AS TRAFFIC CONTROL AND PROTECTION, SPECIAL

**STAGE 7:**

1. 24 HOUR FLAGGERS SHALL BE REQUIRED.
2. REMOVE EXISTING PAVEMENT, CONSTRUCT PCC PAVEMENT, COMBINATION CURB AND GUTTER AND ELASTIC JOINT SEALER.
3. TAPER AND SIGNING FOR THE NORTH AND WEST LEGS SHALL BE ACCORDING TO STANDARD 701206
4. FOR EACH PARTIAL OR FULL DAY UNDER THIS SET UP A LANE RENTAL WILL BE CHARGED AS FOLLOWS:  
1 DAY US 51/60/62 NORTHBOUND LANE



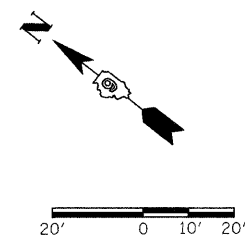
SIGNING FOR THE EAST LEG OF THE INTERSECTION SHALL BE AS FOLLOWS, WITH 200' SPACING BETWEEN SIGNS.

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 Page 1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	31

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

- \* FAP 14 (US51/60/62)
- \*\* 138(IN,TS-2,RS-2)



DRUMS WITH STEADY BURN FLASHING LIGHT AT 10' CTS  
TAPER AS DIRECTED BY THE ENGINEER

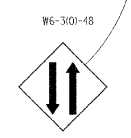
TYPE III TEMPORARY TAPE, 73 FT (4" SOLID BLACK)  
SEE SPECIAL PROVISIONS

DRUMS AT 50' CTS

TYPE III TEMPORARY TAPE, 73 FT (4" SOLID BLACK)  
SEE SPECIAL PROVISIONS

DRUMS AT 50' CTS

TAPER AND SIGNING SHALL BE  
ACCORDING TO STD 701606



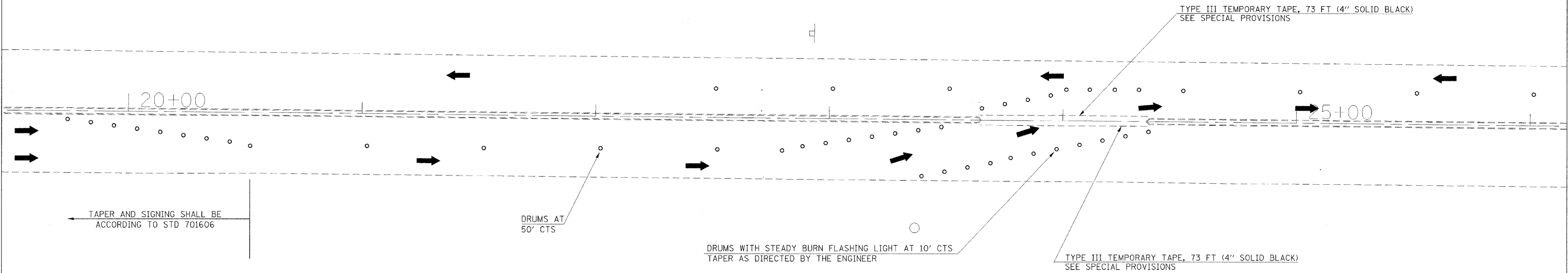
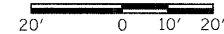
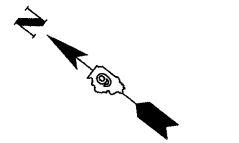
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	32

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

- \* FAP 14 (US51/60/62)
- \*\* 138(N,TS-2,RS-2)

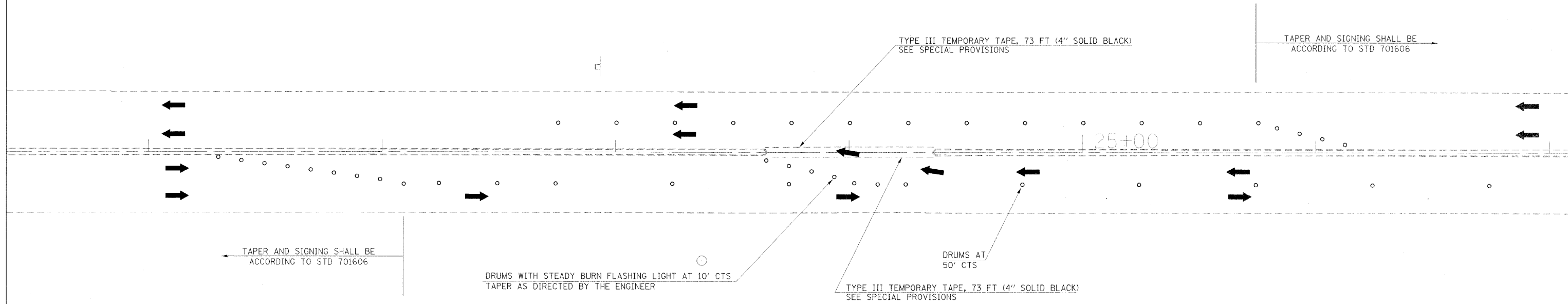
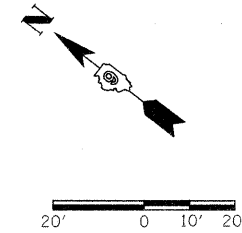


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F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	33
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

- \* FAP 14 (US51/60/62)
- \*\* 138(N,TS-2,RS-2)

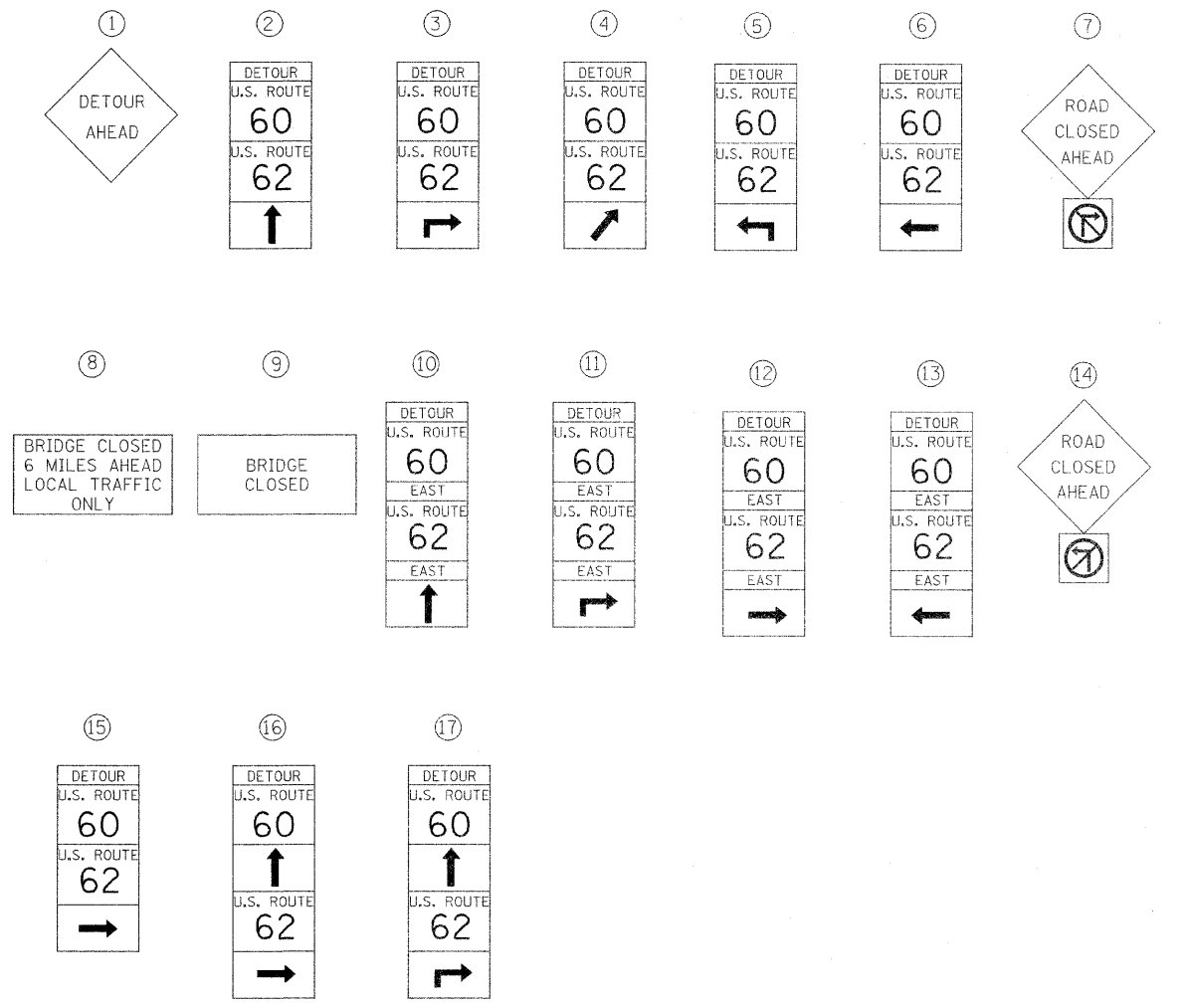
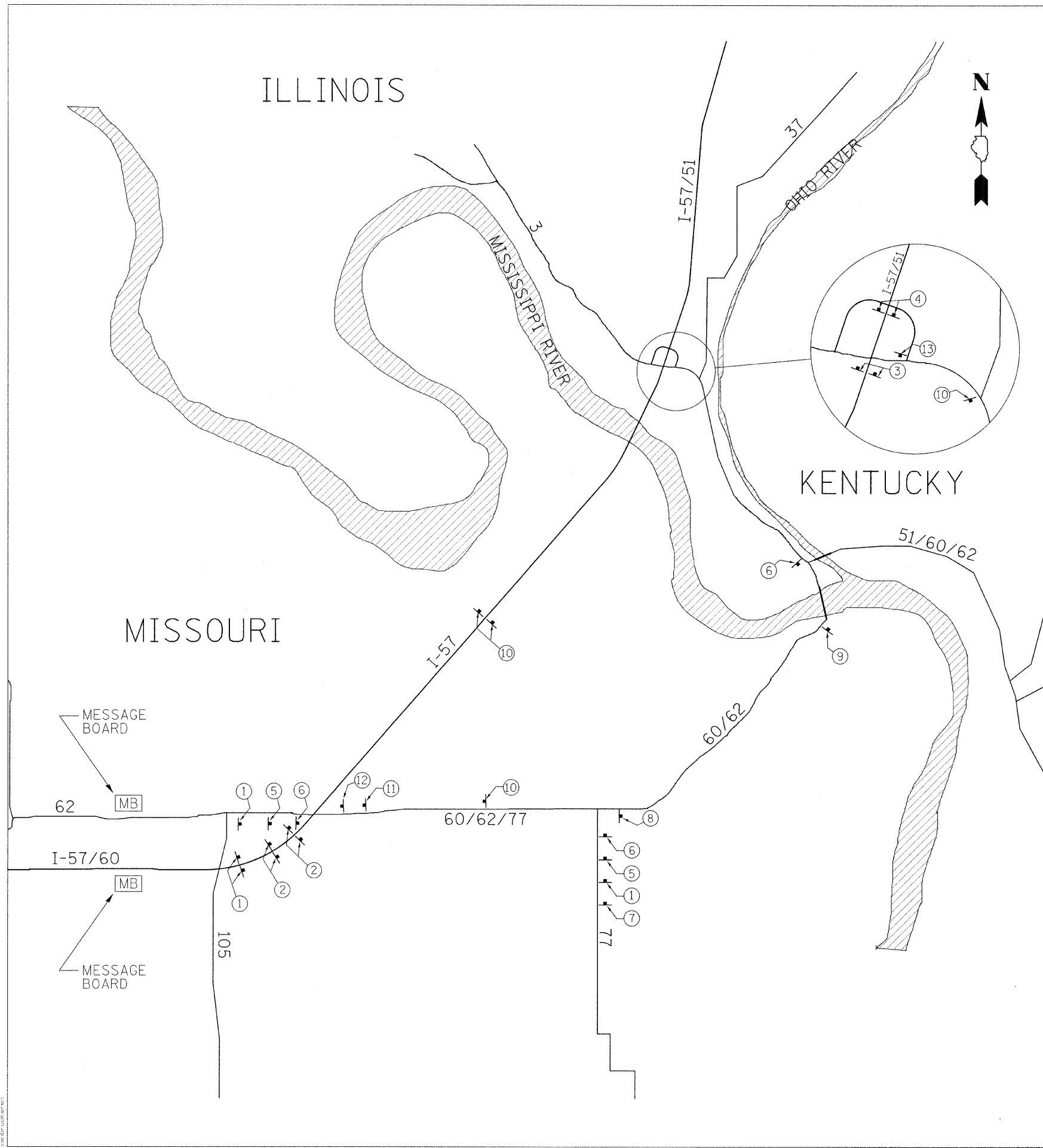


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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	34

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

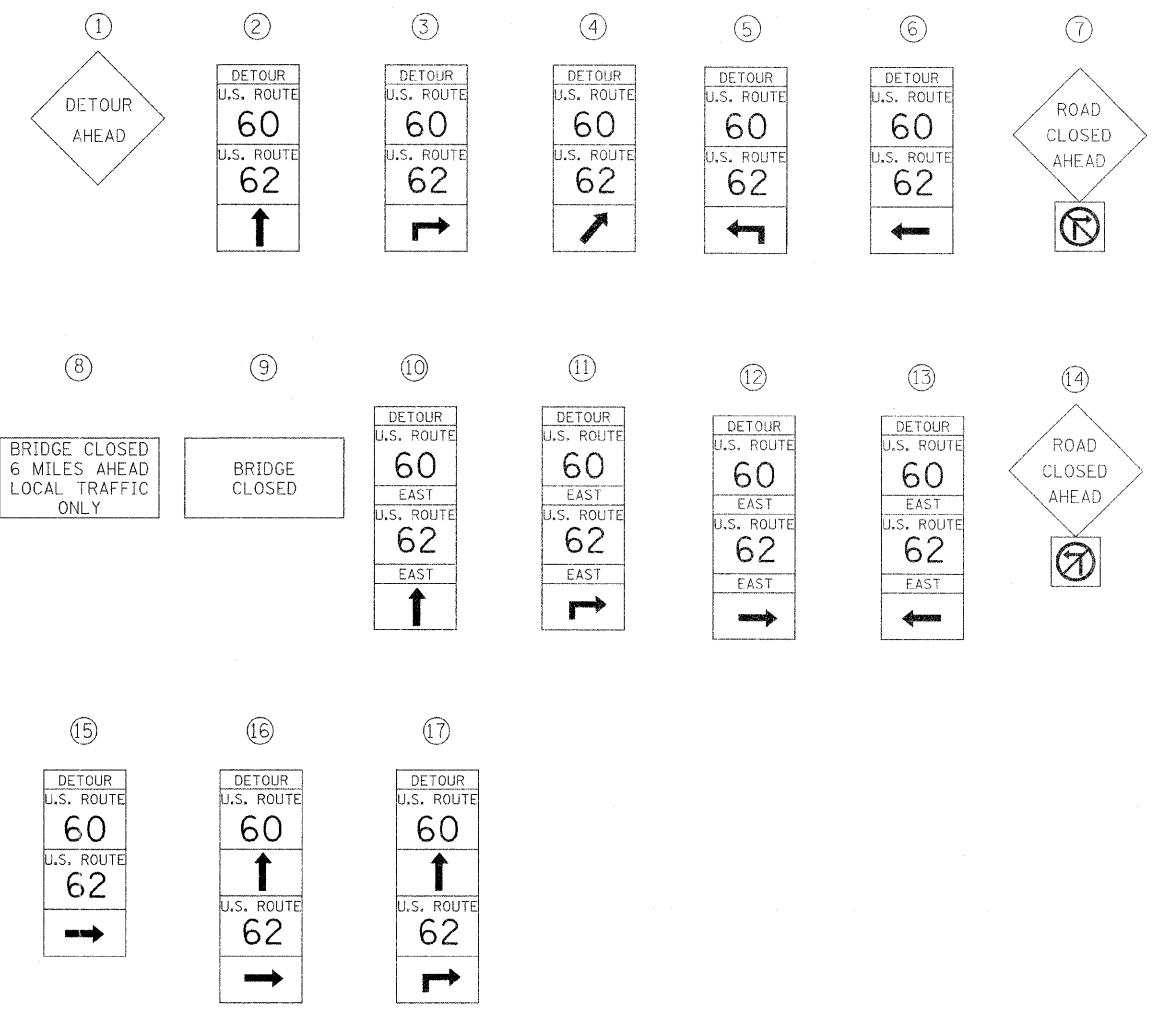
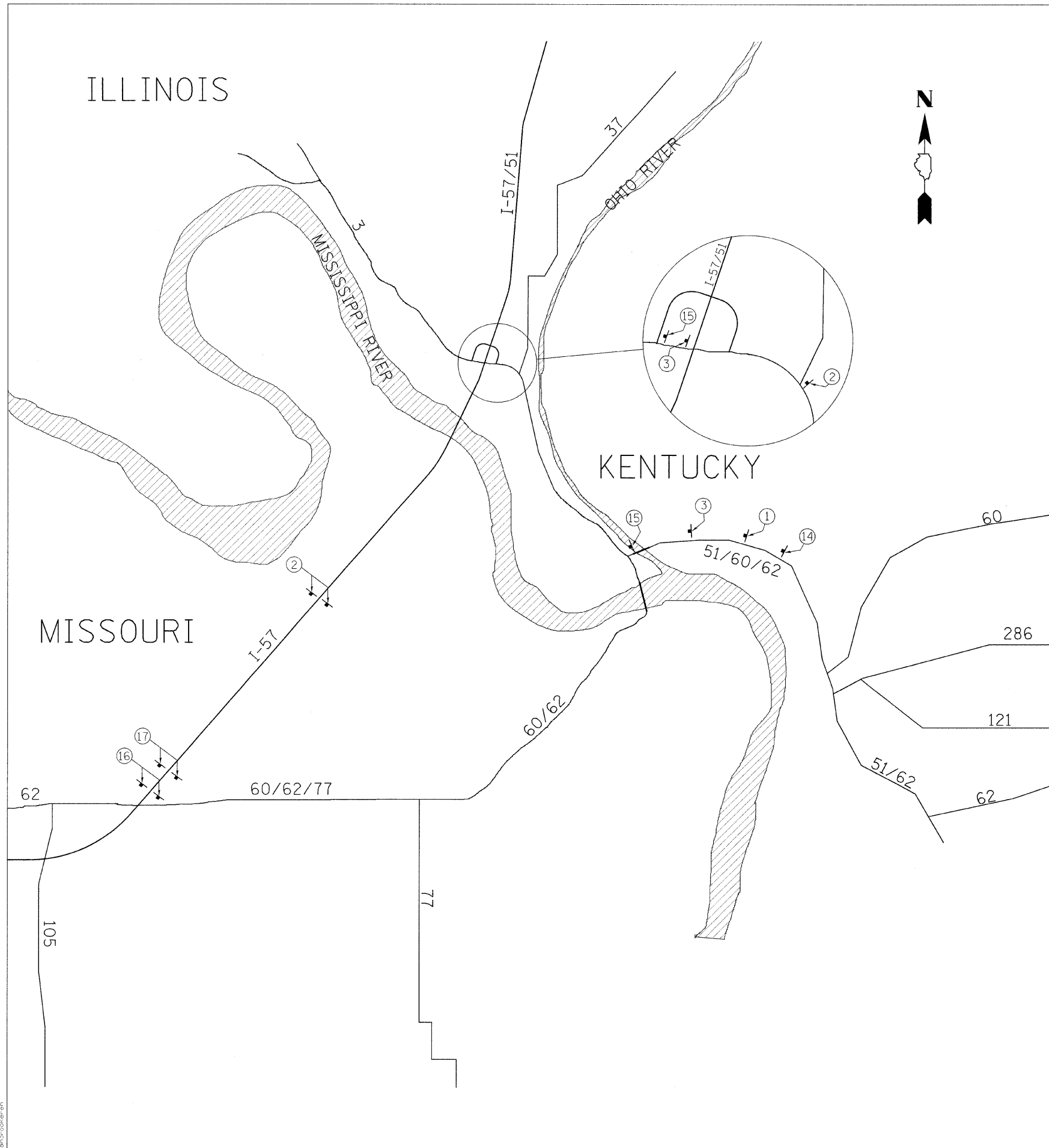
- \* FAP 14 (US51/60/62)
- \*\* 138(N,TS-2,RS-2)



12/21/2007  
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	35
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

- \* FAP 14 (US51/60/62)
- \*\* 138(N,TS-2,RS-2)



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98943/98943

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	ALEXANDER	65	36
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

\* FAP 14 (US51/60/62)  
 \*\* 138IN,TS-2,RS-2

**ILLINOIS STANDARD**

W8-I106

**COLORS:**

LEGEND AND BORDER- BLACK NON-REFLECTORIZED  
 BACKGROUND- ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MAR-GIN	BOR-DER	BLANK STD.
	1	2	3			
48X48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES



**NOTES:**

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

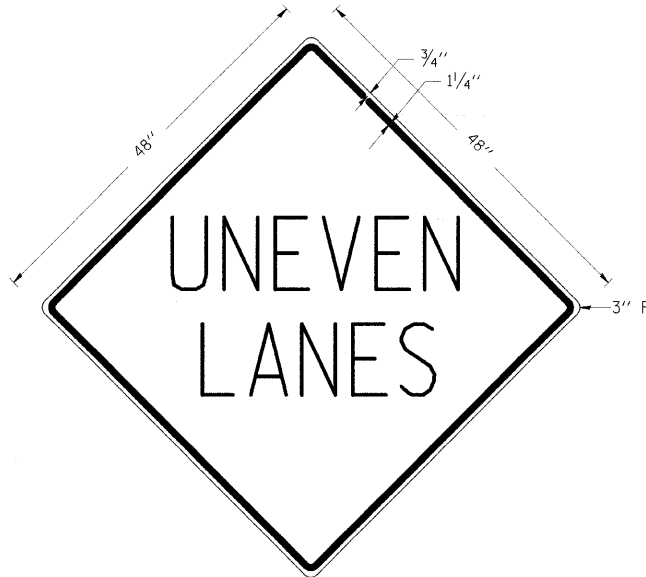
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS	
REDRAWN	2-15-89
REVISED	4-6-93
REVISED	
REVISED	

STD. 9-39

**UNEVEN LANES SIGN**

W8-11 (48" x 48")



**COLORS:**

LEGEND AND BORDER - BLACK NON-REFLECTORIZED  
 BACKGROUND - ORANGE REFLECTORIZED

**NOTE:** PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

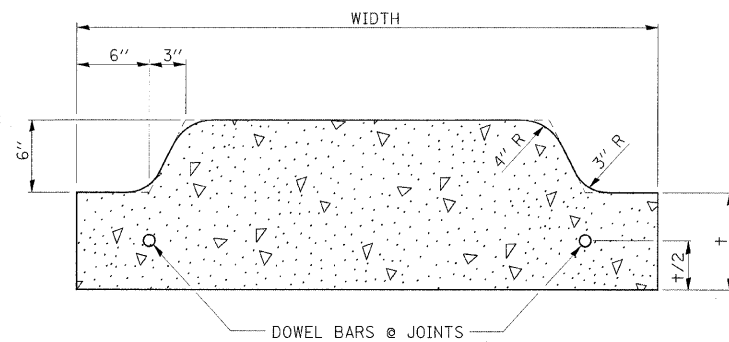
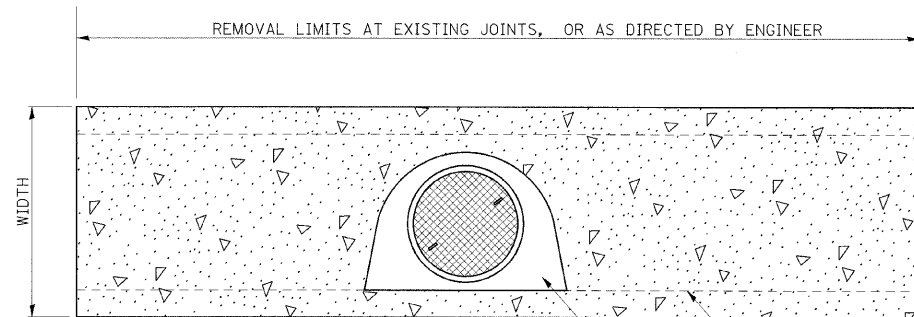
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS	
DRAWN	2-15-89
REVISED	4-6-93
REDESIGNED	7-23-04
REVISED	

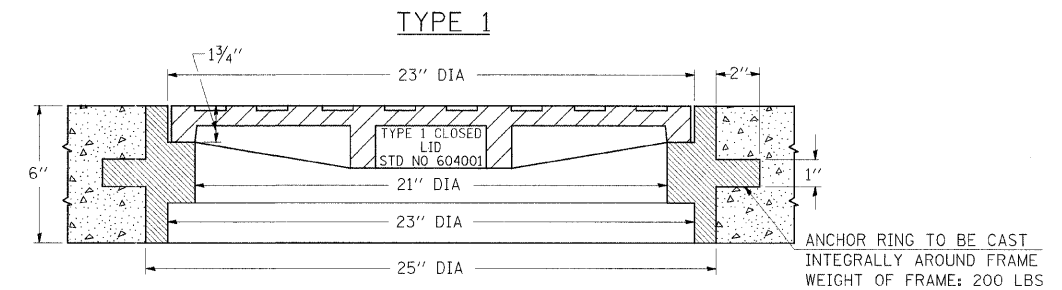
STD. 9-41

**DETAILS OF CAST IRON FRAMES  
 SPECIAL TYPE 1 & TYPE 2  
 WITH TYPE 1 CLOSED LID**

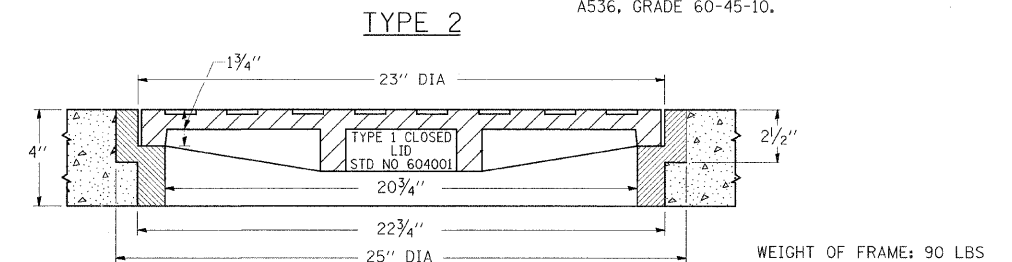
**DETAILS OF MEDIAN REMOVAL AND REPLACEMENT**



EXISTING INLET STATION	MEDIAN REMOVAL AND REPLACEMENT (SQ YD)
15+00	5.8
41+00	3.1
44+51	4.4



THE FRAMES MAY BE MADE OF EITHER GRAY IRON CONFORMING TO THE STANDARD SPECIFICATIONS OR DUCTILE IRON CONFORMING TO THE SPECIFICATIONS FOR DUCTILE IRON CASTING, A.S.T.M. DESIGNATION: A536, GRADE 60-45-10.



REVISIONS	
REDRAWN	2-15-89
REVISED	12-14-01
REVISED	
REVISED	

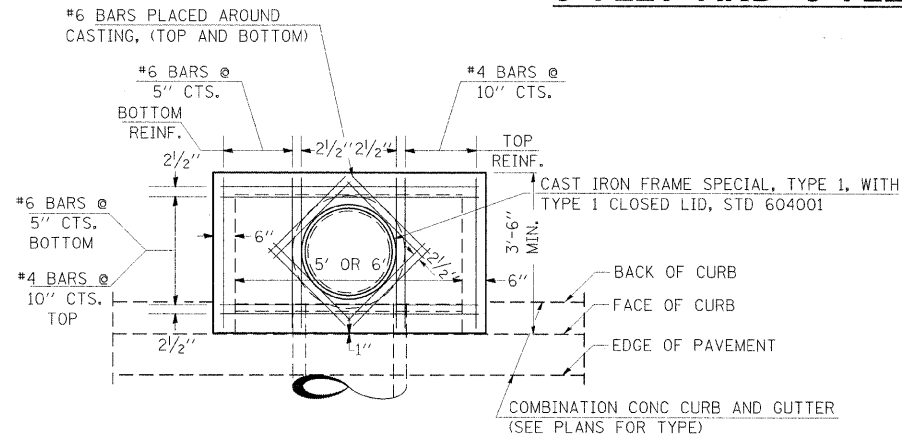
STD. 9-18

**DETAILS: MEDIAN REMOVAL AND REPLACEMENT;**

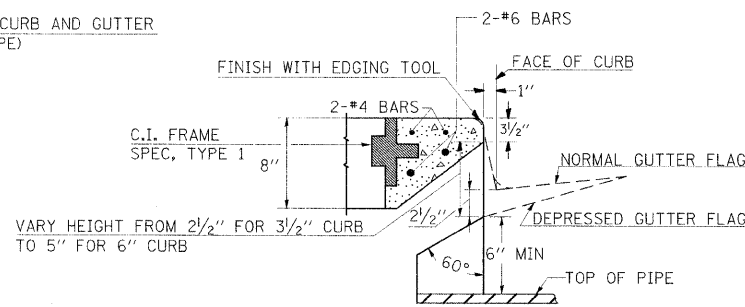
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	37
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

\* FAP 14 (US51/60/62)  
 \*\* 138(IN.TS-2,RS-2)

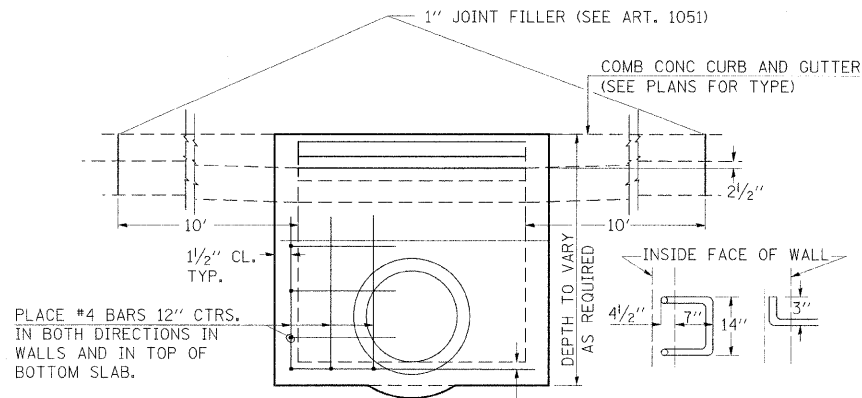
### DETAILS OF INLET SPECIAL, TYPE 3, 5 FEET AND 6 FEET



PLAN

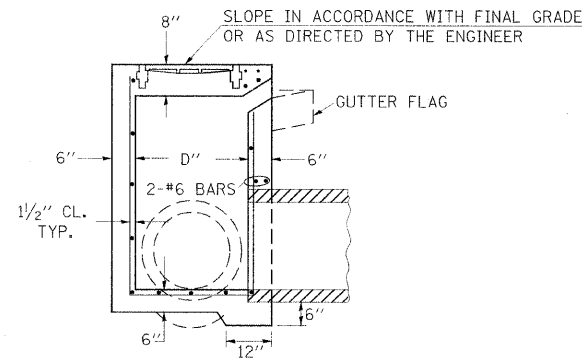


SECTION AT WEIR



ELEVATION

DESIGN	PIPE DIA	"D"
A	18" & LESS	2'-6"
B	21" & 24"	3'-0"
C	27" & 30"	3'-7"
D	33" & 36"	4'-2"
E	42"	4'-9"
F	48"	5'-0"
G	54"	6'-1"



SECTION

**NOTES:**

PROVIDE 1/2" CLEARANCE TYP. ALL REINFORCEMENT UNLESS OTHERWISE SPECIFIED.

CLASS S1 CONCRETE SHALL BE USED THROUGHOUT. SET FACE OF INLET 1" BEHIND FACE OF CURB. DEPRESS GUTTER FLOWLINE AT INLET 2 1/2" BELOW NORMAL GUTTER FLOWLINE. CONSTRUCT TRANSITION IN FLOWLINE IN 10 FEET EACH SIDE OF INLET. PIPES TO BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.

INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR INLET, SPECIAL, TYPE 3, 5 FEET OR INLET, SPECIAL, TYPE 3, 6 FEET WHICH PRICE SHALL INCLUDE THE CAST IRON FRAME, SPECIAL, TYPE 1 WITH TYPE 1 CLOSED LID, THE REINFORCEMENT BARS, METAL STEPS AND JOINT FILLER.

\*\*THE GALVANIZED IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT WILL CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN, MAY BE USED WHEN APPROVED BY THE ENGINEER.

IF THE INLET IS NOT CAST IN PLACE THEN THE INLET SHALL BE PRODUCED ACCORDING TO THE DEPARTMENT'S CURRENT POLICY MEMORANDUM, "QUALITY CONTROL/QUALITY ASSURANCE PROGRAM FOR PRECAST CONCRETE PRODUCTS".

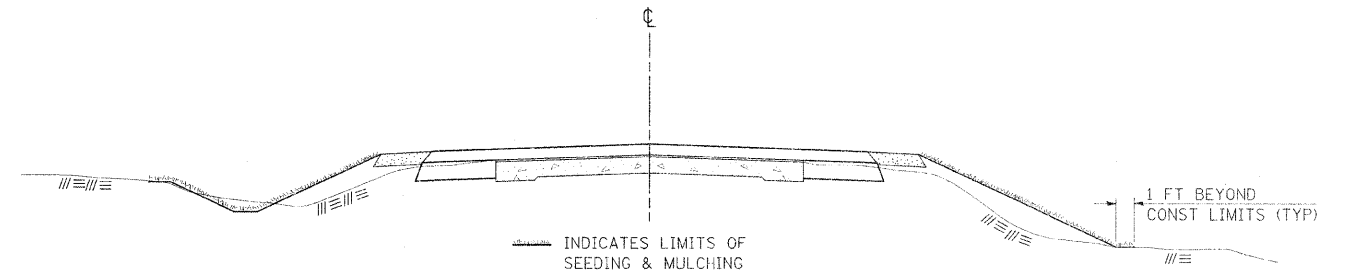
**NOTE TO DESIGNER:**

WHEN USING THIS STANDARD THE DESIGNER SHOULD ALSO CHECK BDE SPECIAL PROVISION 419 "PRECAST CONCRETE PRODUCTS".

STD. 9-1

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
REVISED	1-19-99
REVISED	5-6-04

### SEEDING & MULCHING



**GENERAL NOTES**

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

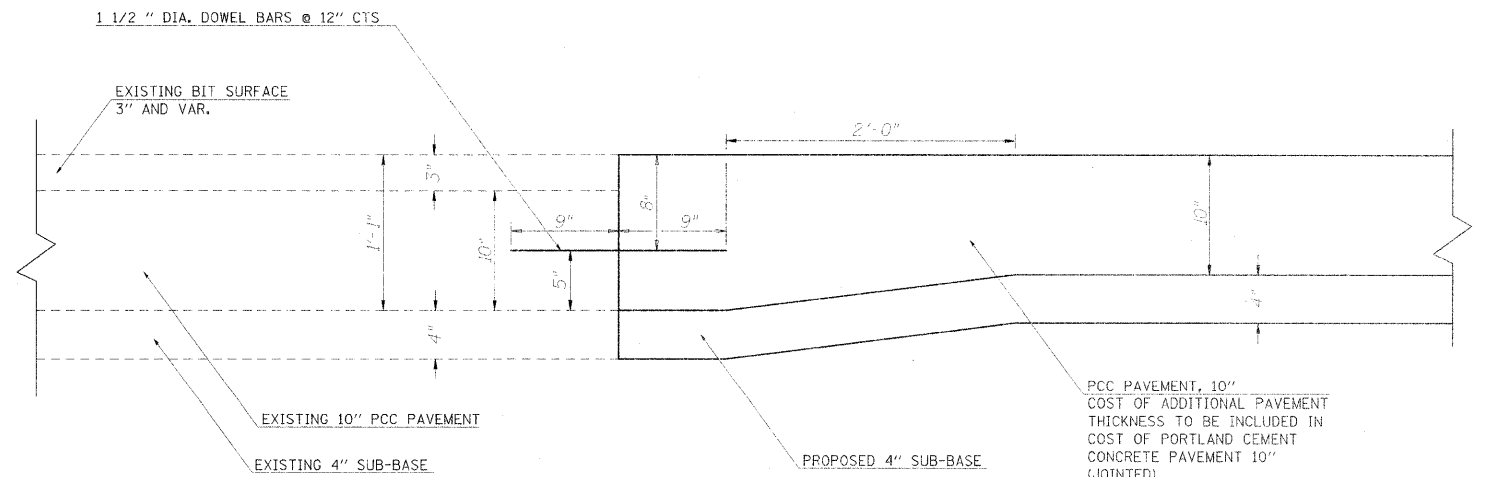
FERTILIZER NUTRIENTS AND LIMESTONE SHALL BE APPLIED TO ALL SEEDED AREAS.

THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS.

SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

### DOWEL BAR DETAIL

EXISTING RESURFACED PCC PAVEMENT ADJACENT TO PROPOSED PCC PAVEMENT TO BE USED AT STA 46+48 AND STA. 50+00



\*DOWEL BARS CONNECTING PROPOSED PCC PAVEMENT TO THE EXISTING PCC PAVEMENT SHALL BE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)

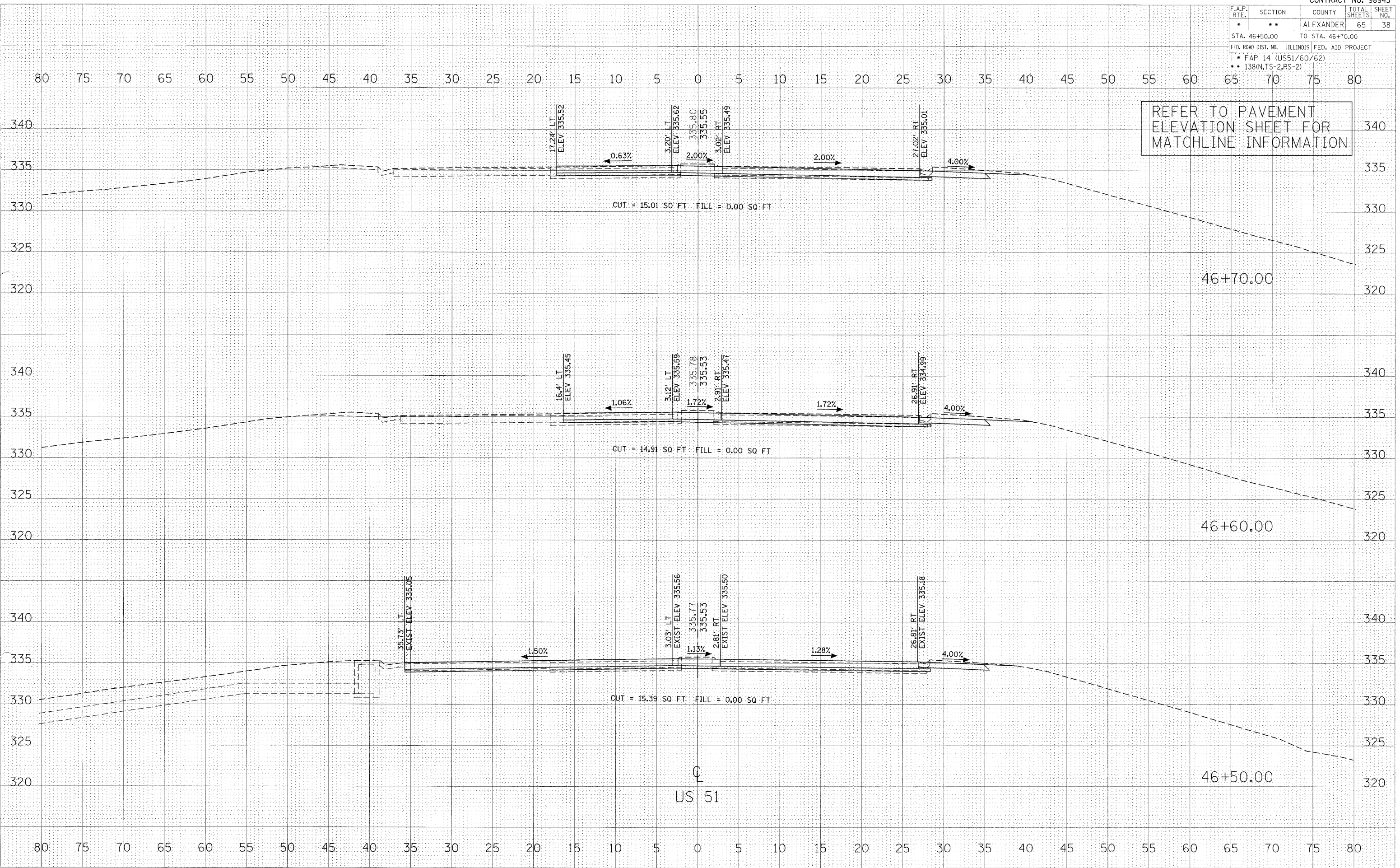
### DETAILS: INLET SPECIAL TYPE 3, SEEDING AND MULCHING, DOWEL BARS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	38
STA. 46+50.00 TO STA. 46+70.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• FAP 14 (US51/60/62)				
• 138(IN,TS-2,RS-2)				

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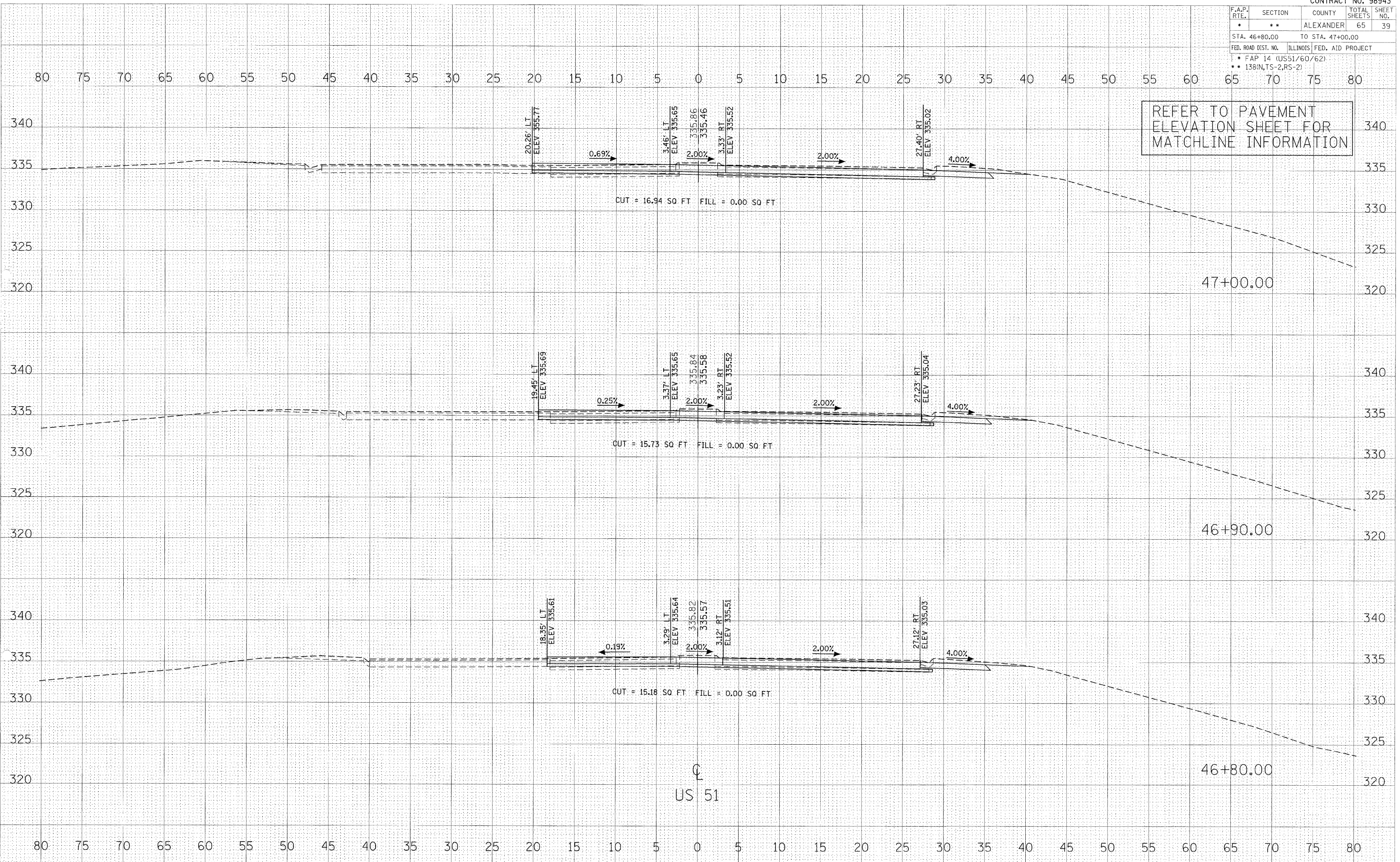
REFER TO PAVEMENT  
 ELEVATION SHEET FOR  
 MATCHLINE INFORMATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	39
STA. 46+80.00		TO STA. 47+00.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAP 14 (US51/60/62)				
** 138(IN,TS-2,RS-2)				

SURVEY	SURVEYED
NOTE BOOK	PLANNED
NO.	AREAS CHECKED

SURVEY	SURVEYED
NOTE BOOK	PLANNED
NO.	AREAS CHECKED

SURVEY	SURVEYED
NOTE BOOK	PLANNED
NO.	AREAS CHECKED



REFER TO PAVEMENT  
ELEVATION SHEET FOR  
MATCHLINE INFORMATION

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US 51

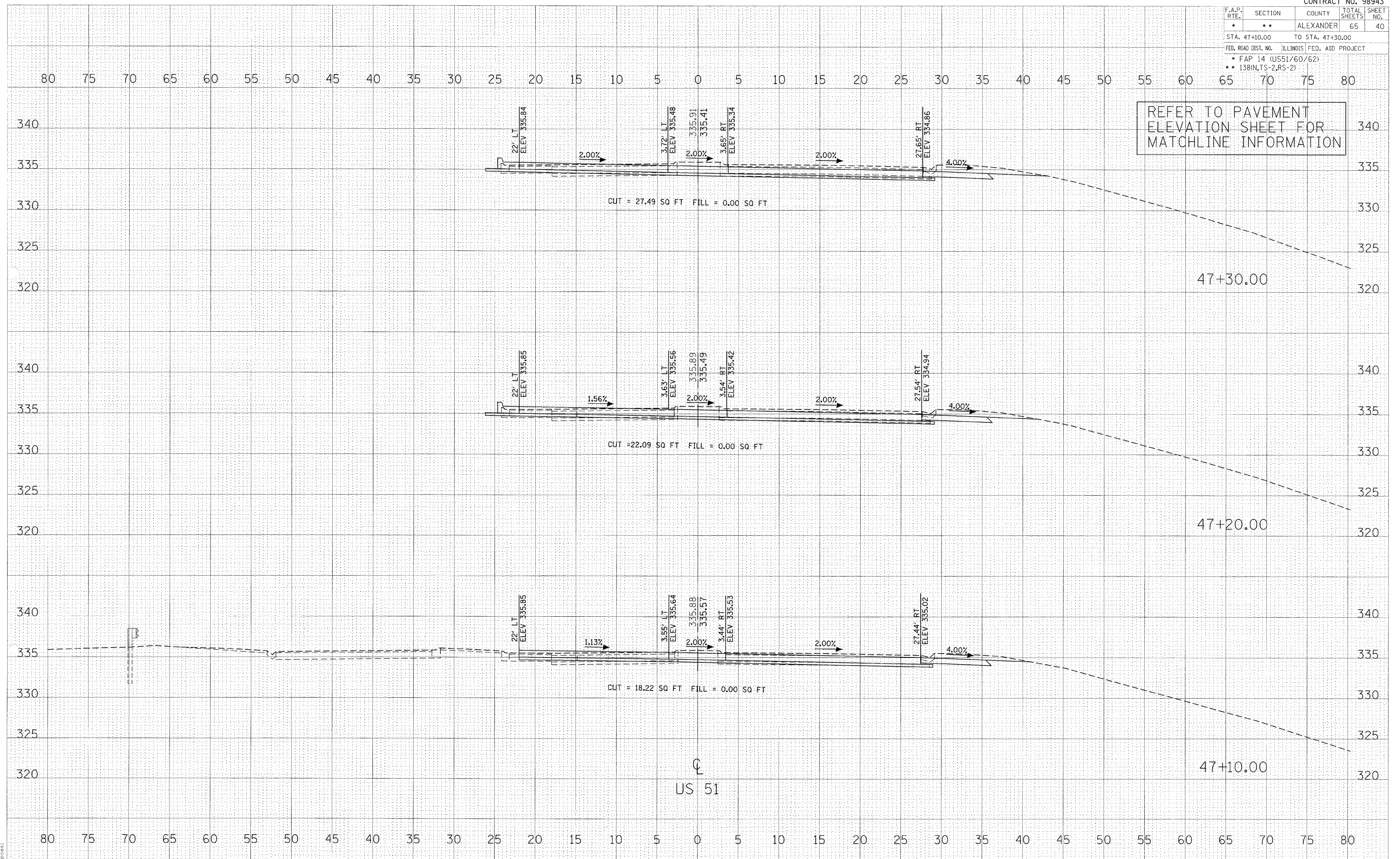
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	40
STA. 47+10.00		TO STA. 47+30.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• FAP 14 (US51/60/62)				
•• 138(IN,TS-2,RS-2)				

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 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 SURVEY NO.: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_

SURVEYED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 SURVEY NO.: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_

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REFER TO PAVEMENT ELEVATION SHEET FOR MATCHLINE INFORMATION

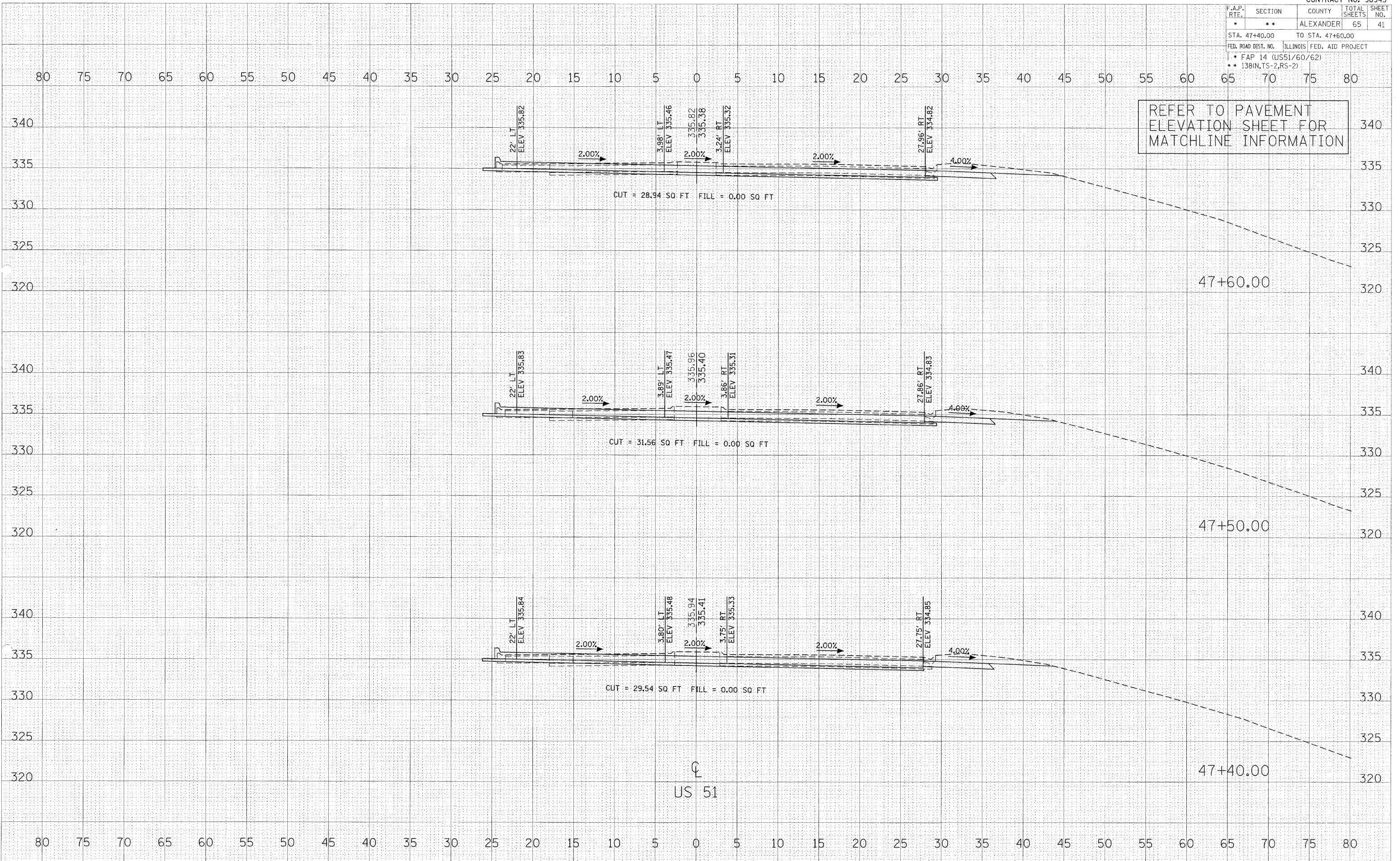


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	41
STA. 47+40.00		TO STA. 47+60.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* FAP 14 (US51/60/62)				
** 138(N,TS-2,RS-2)				

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 AREAS CHECKED  
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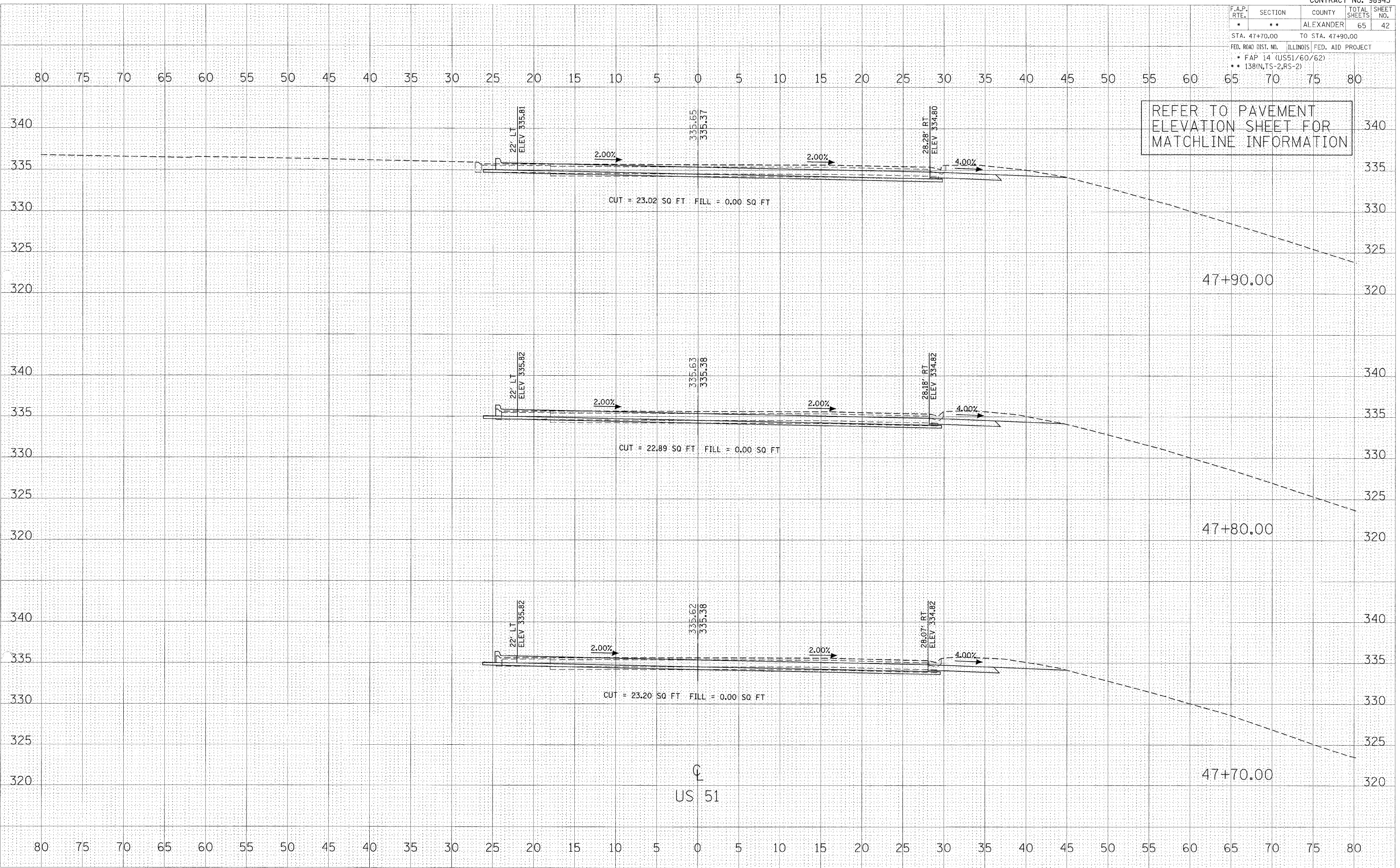


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	42
STA. 47+70.00 TO STA. 47+90.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• FAP 14 (US51/60/62)				
•• 138IN,TS-2,RS-2)				

SURVEY  
NOTE BOOK  
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NOTE BOOK  
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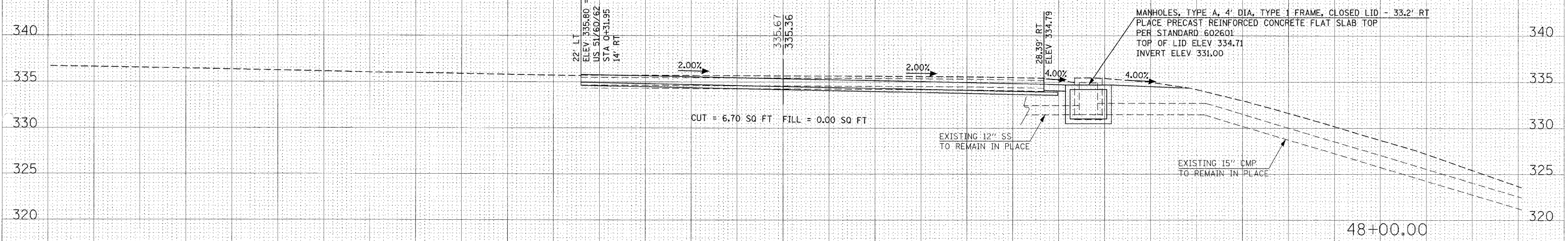
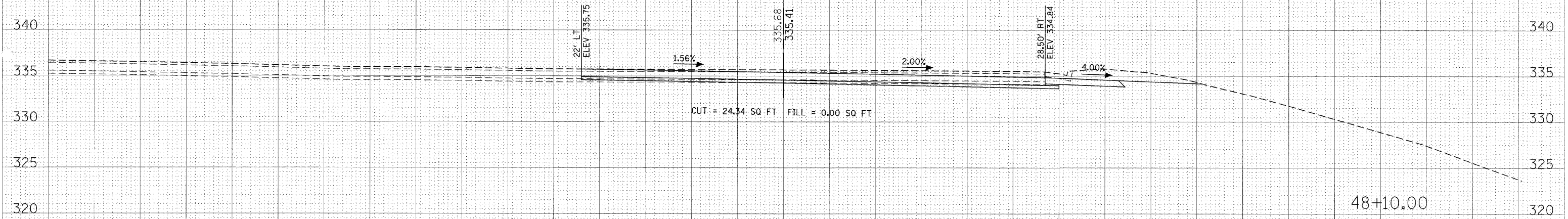


CROSS SECTIONS - US 51

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	43
STA. 48+00.00		TO STA. 48+10.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
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80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80

REFER TO PAVEMENT ELEVATION SHEET FOR MATCHLINE INFORMATION



US 51

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CROSS SECTIONS - US 51

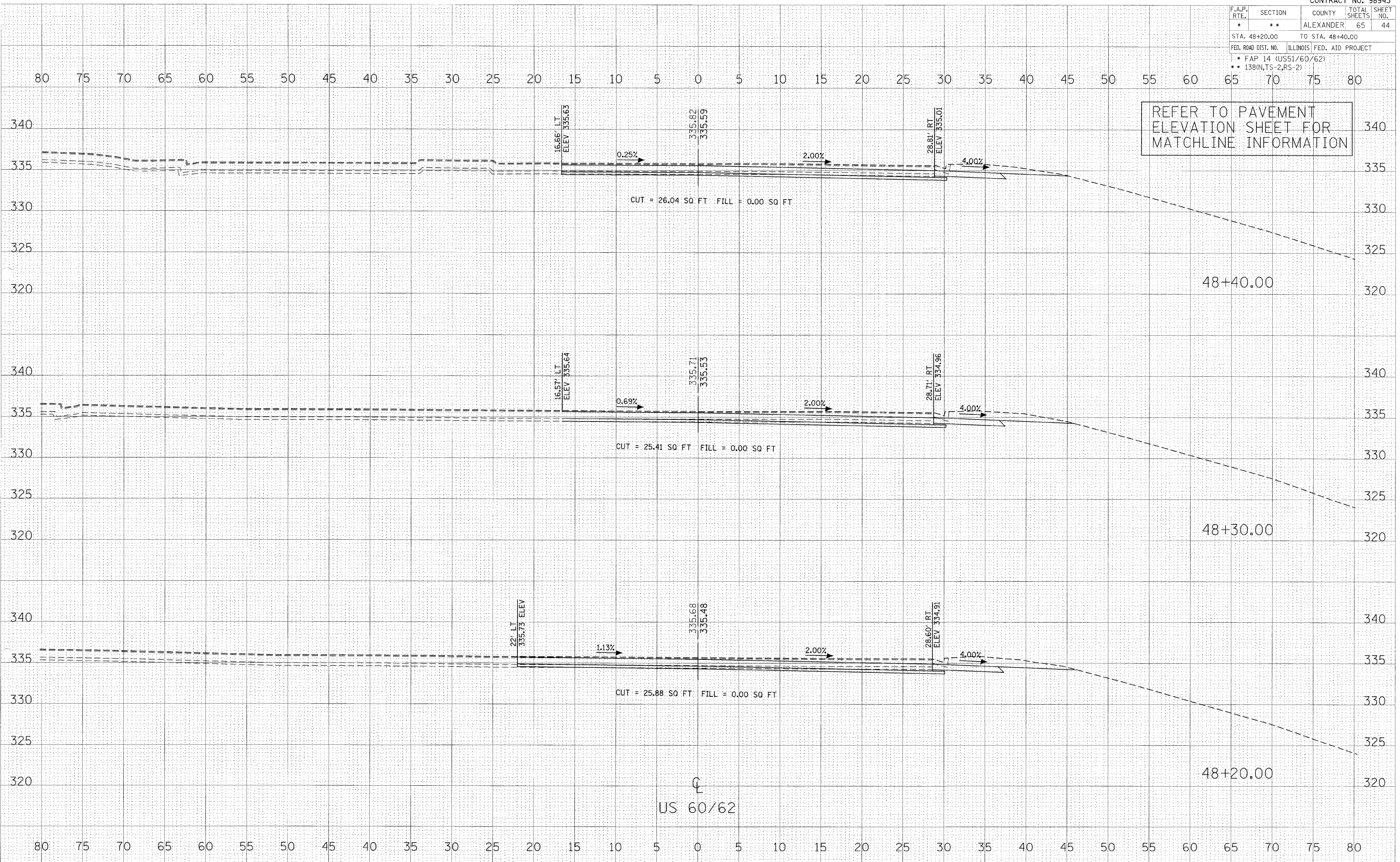
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	44
STA. 48+20.00		TO STA. 48+40.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAP 14 (US51/60/62)				
** 138(IN,TS-2,RS-2)				

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 SURVEY AREAS CHECKED

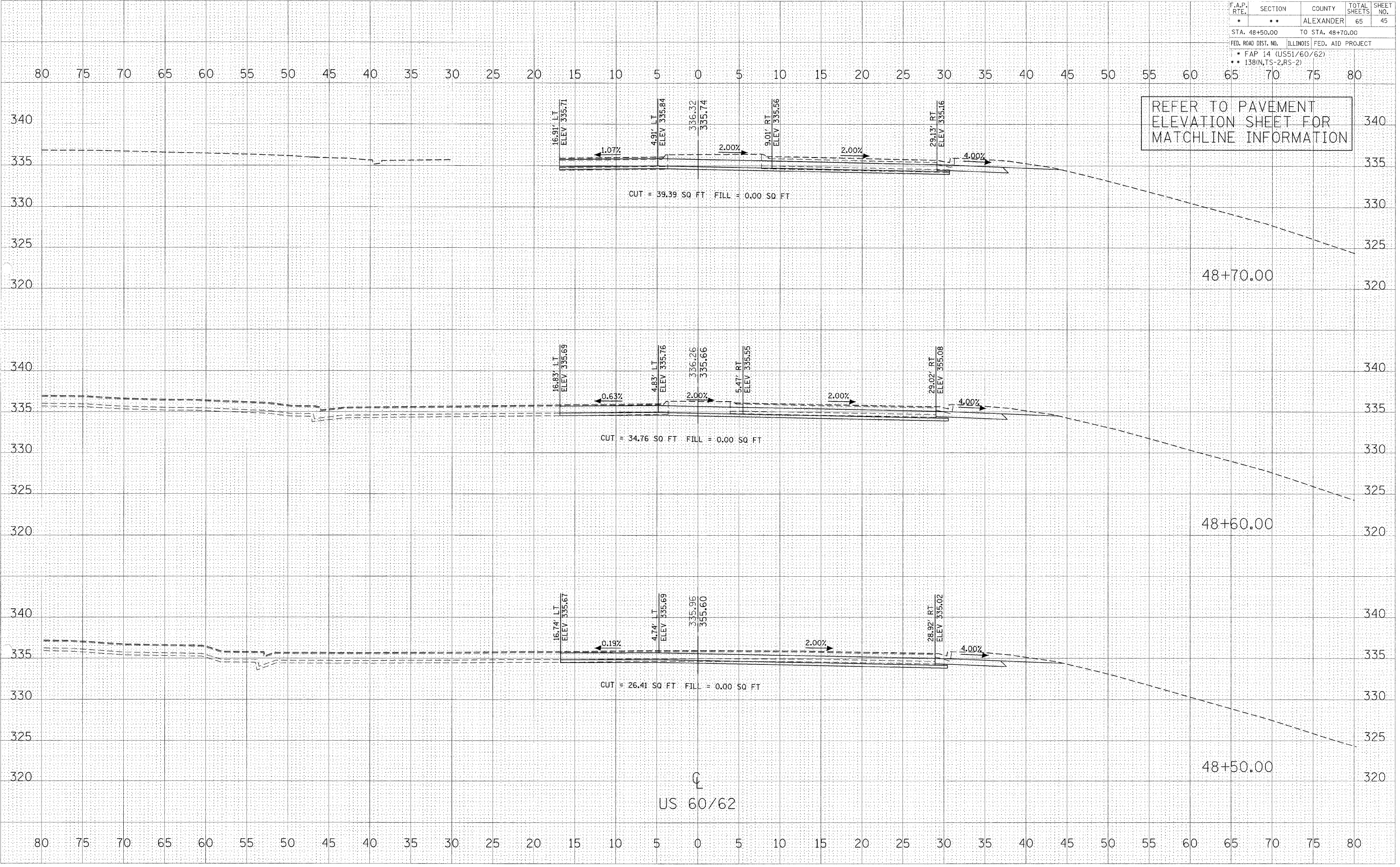
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 SURVEY BOOK NO.  
 SURVEY TEAM  
 SURVEY AREAS CHECKED

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	45
STA. 48+50.00		TO STA. 48+70.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• FAP 14 (US51/60/62)				
•• 138(IN,TS-2,RS-2)				

SURVEY SUPPLEMENTED BY FIELD NOTES  
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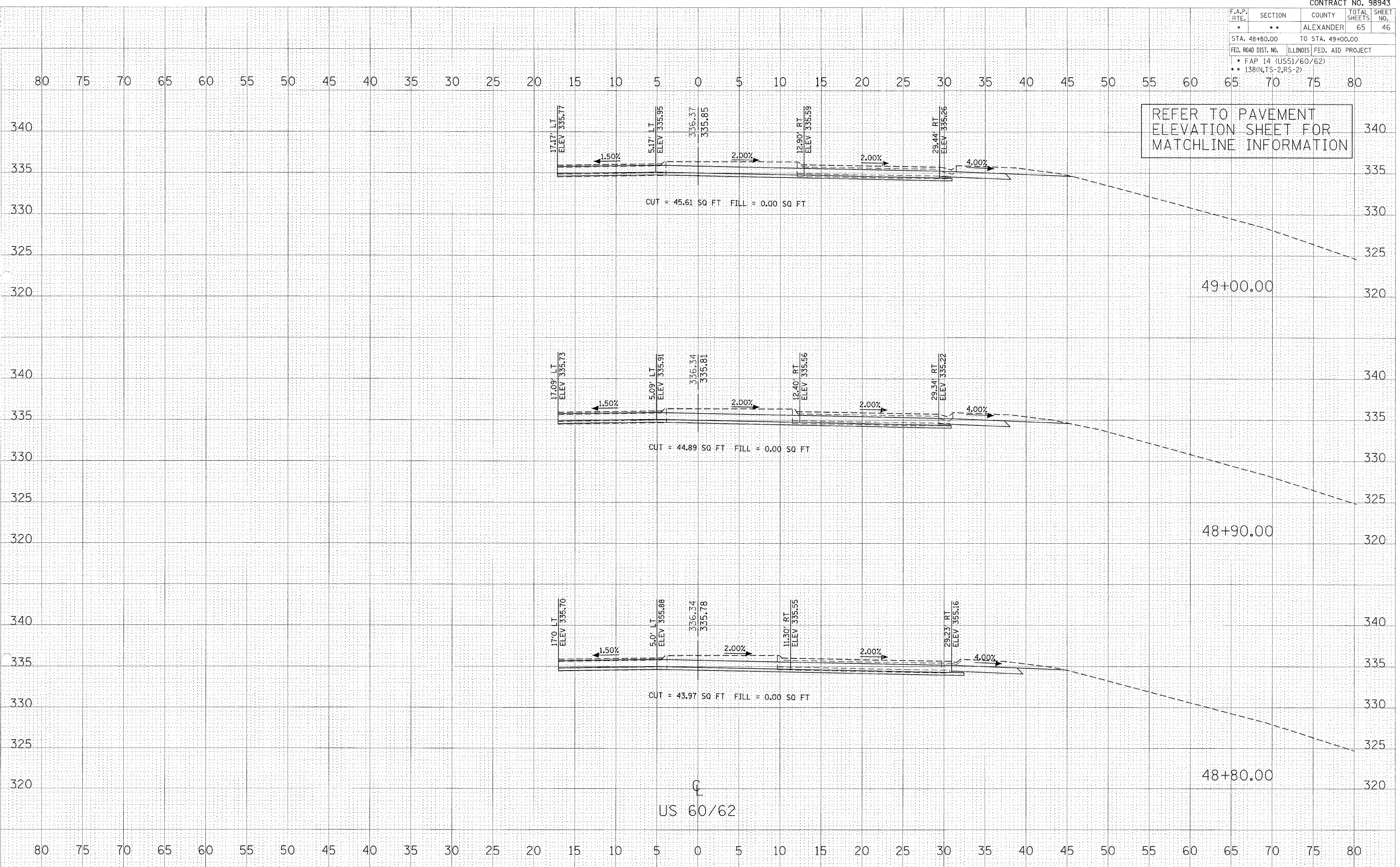
REFER TO PAVEMENT ELEVATION SHEET FOR MATCHLINE INFORMATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	46
STA. 48+80.00		TO STA. 49+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
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 NO. 1000  
 DATE 1/27/2007  
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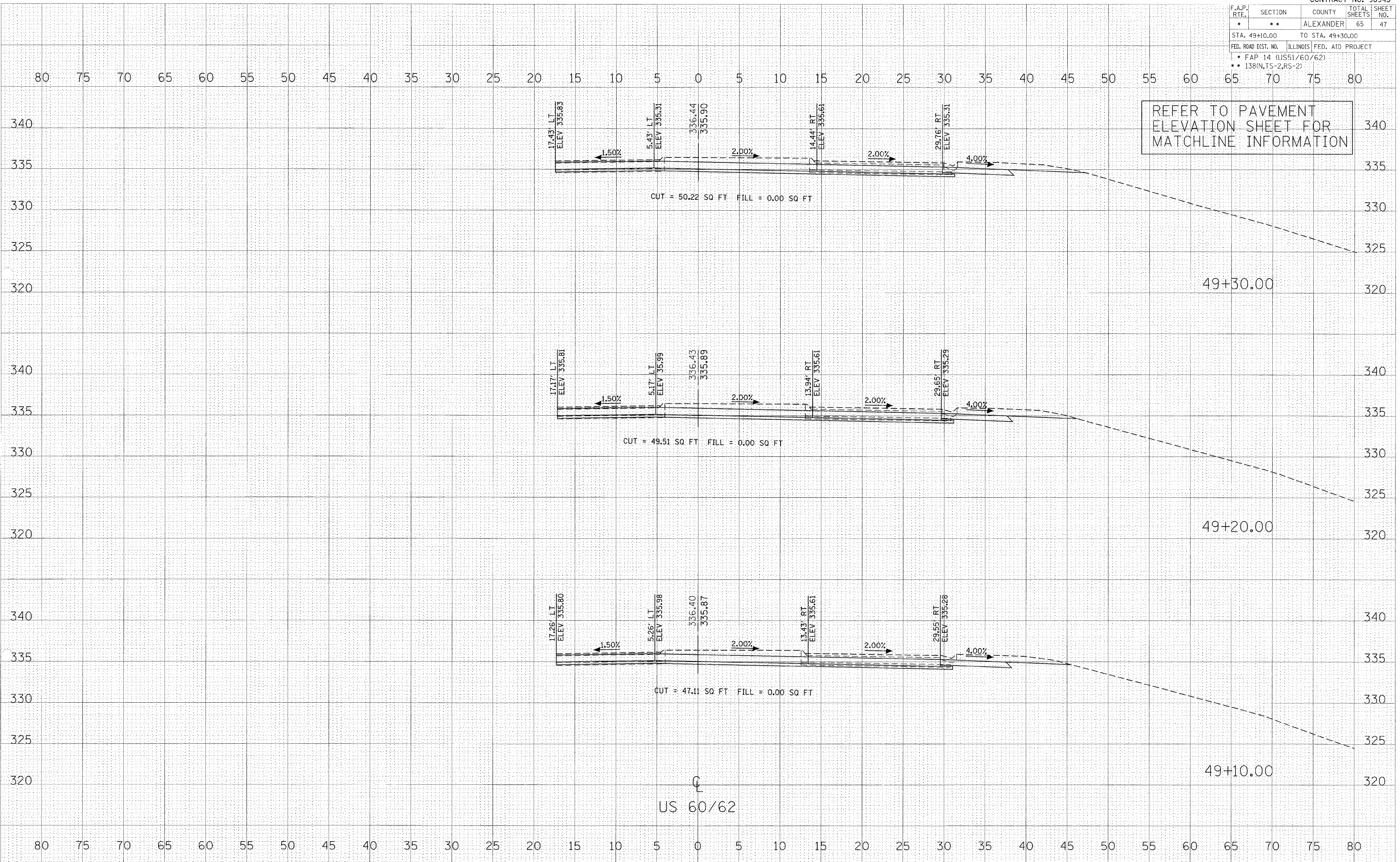


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	47
STA. 49+10.00		TO STA. 49+30.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
<ul style="list-style-type: none"> <li>FAP 14 (US51/60/62)</li> <li>138(IN,TS-2,RS-2)</li> </ul>				

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NOTE BOOK	NO. _____
AREAS CHECKED	NO. _____

SURVEY	SURVEYED
CURVE	COMPUTED
NOTE BOOK	NO. _____
AREAS CHECKED	NO. _____

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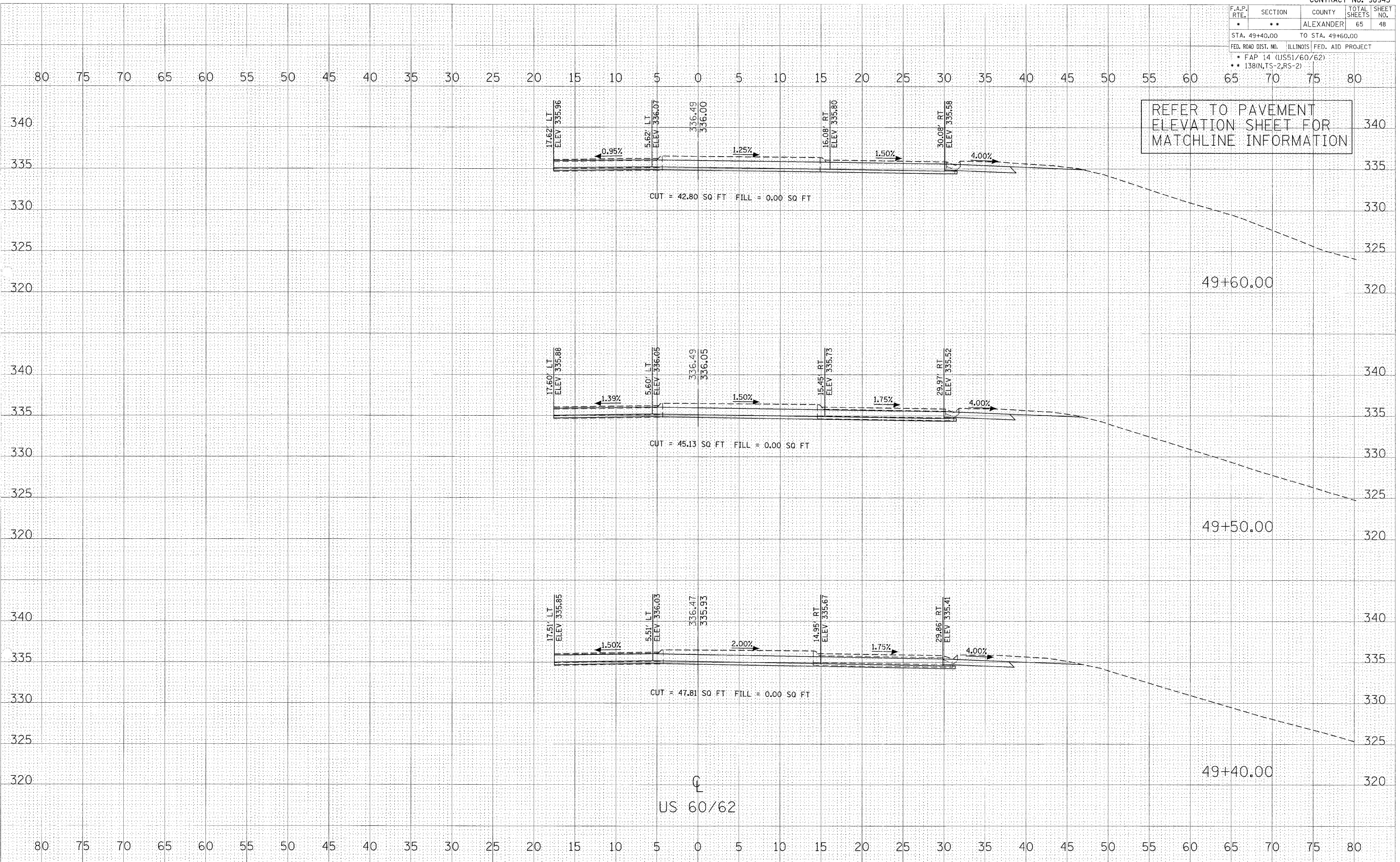


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	48
STA. 49+40.00		TO STA. 49+60.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
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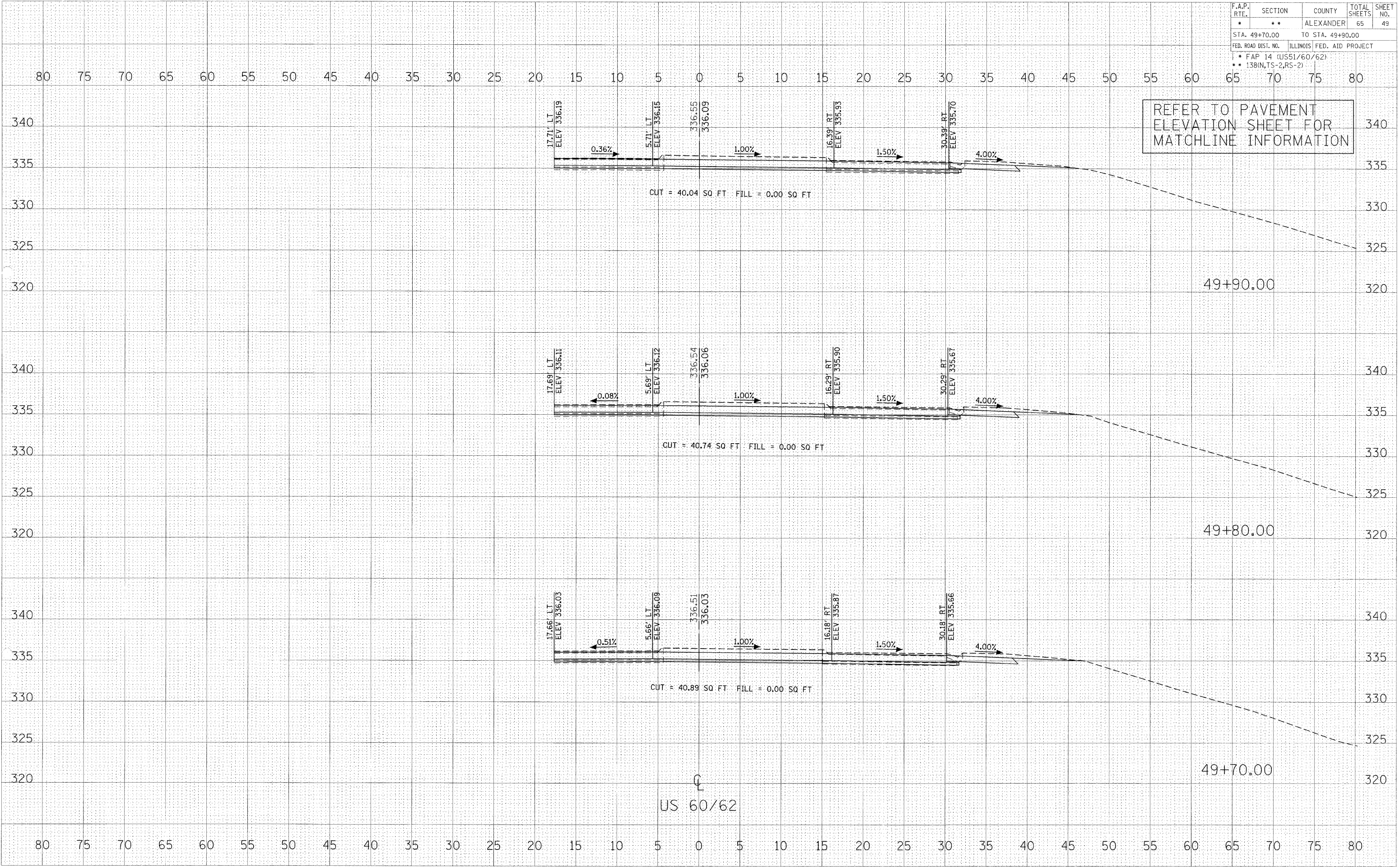


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	49
STA. 49+70.00		TO STA. 49+90.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* FAP 14 (US51/60/62) ** 138(N,TS-2,RS-2)				

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 NOTE BOOK NO. \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
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 NOTE BOOK NO. \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

11/30/2007  
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REFER TO PAVEMENT  
ELEVATION SHEET FOR  
MATCHLINE INFORMATION

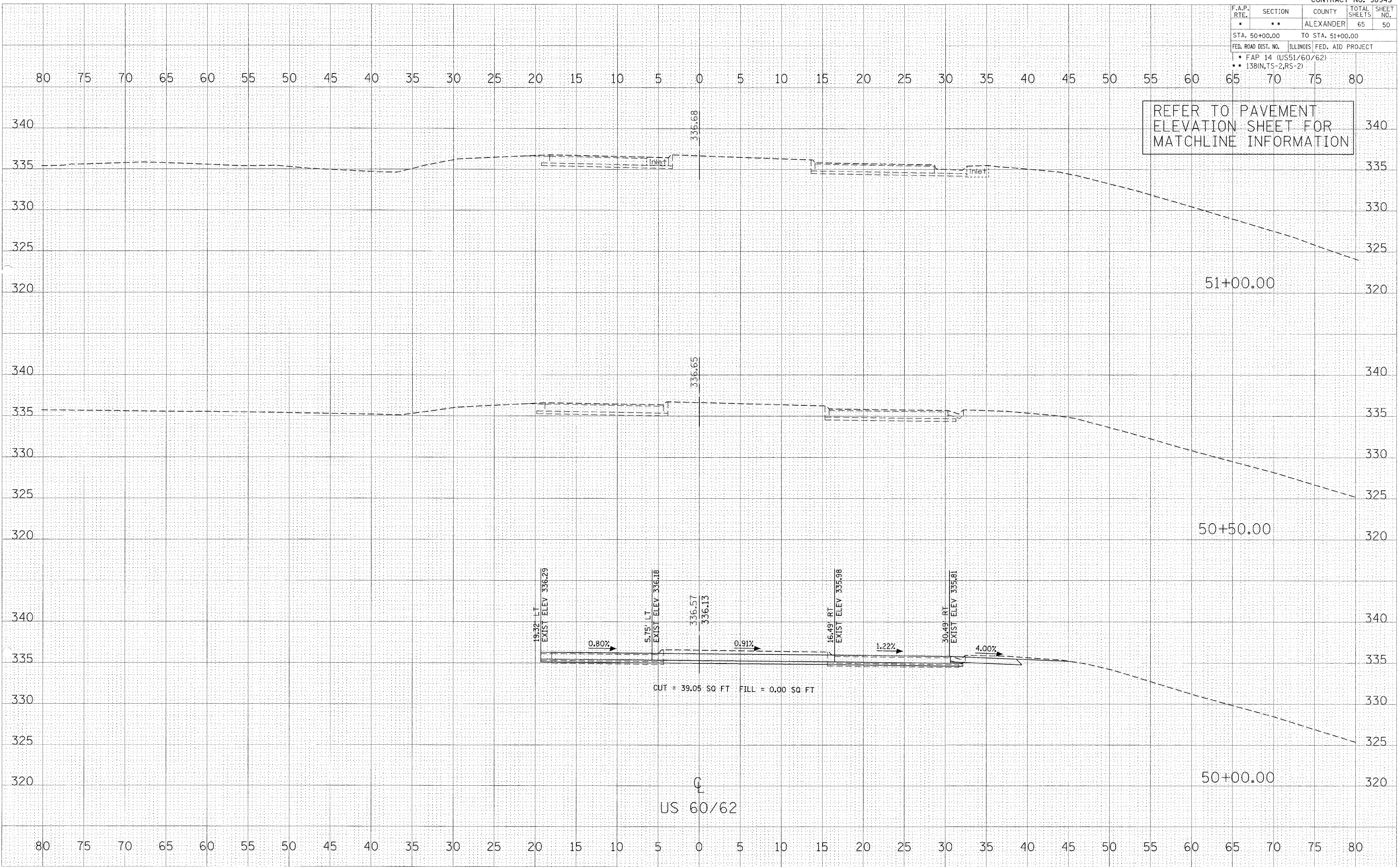
US 60/62

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	50
STA. 50+00.00		TO STA. 51+00.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAP 14 (US51/60/62)				
** 138(N,TS-2,RS-2)				

NO. \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 DATE \_\_\_\_\_  
 SURVEYER \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_

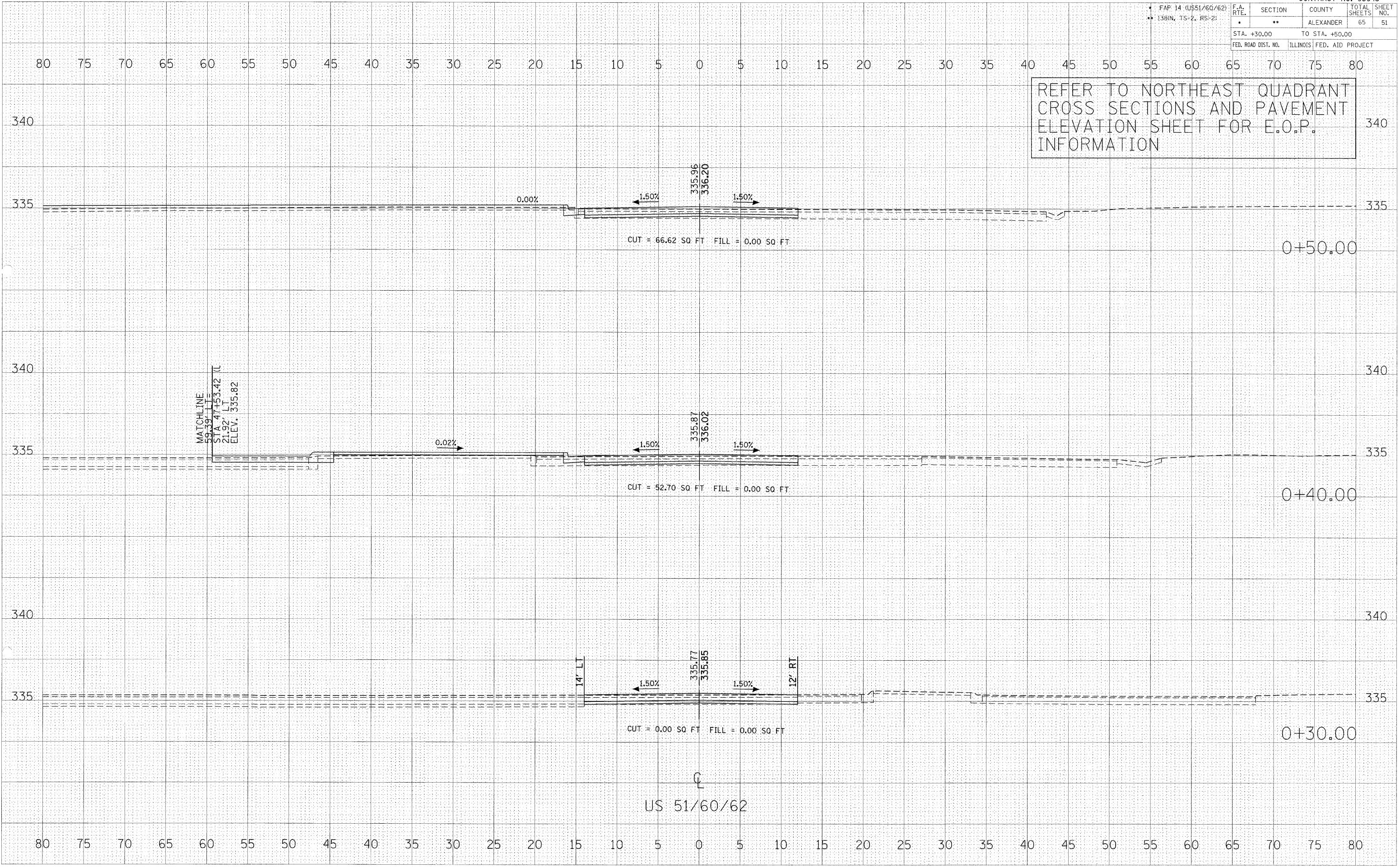
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 AREAS CHECKED \_\_\_\_\_  
 DATE \_\_\_\_\_  
 SURVEYER \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_

11/30/2007  
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 5,00000 / 1" = 100'  
 p00s1



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• FAP 14 (US51/60/62)	••	ALEXANDER	65	51
•• 138(N), TS-2, RS-2				
STA. +30.00		TO STA. +50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REFER TO NORTHEAST QUADRANT CROSS SECTIONS AND PAVEMENT ELEVATION SHEET FOR E.O.P. INFORMATION

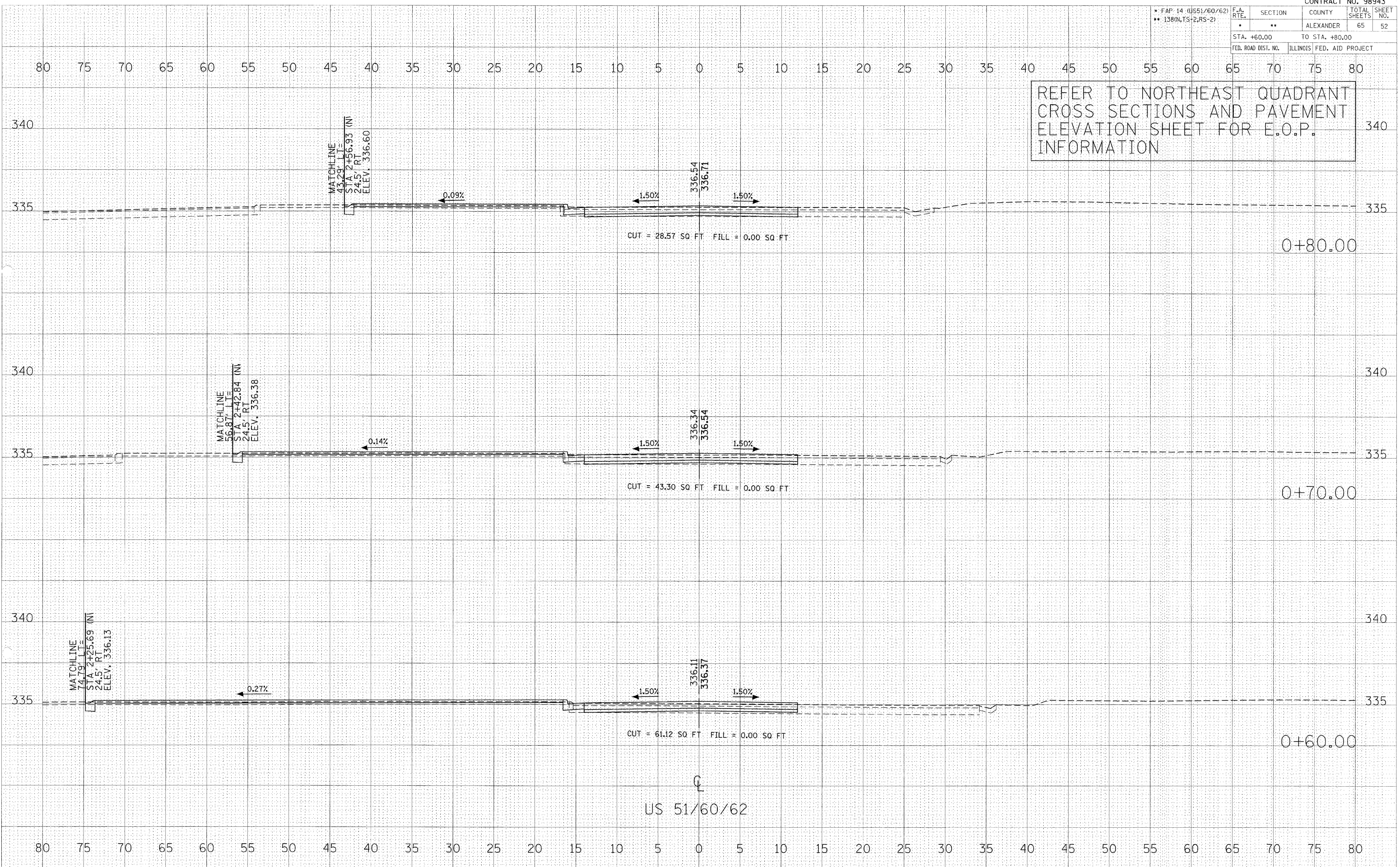


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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	ALEXANDER	65	52
STA. +60.00		TO STA. +80.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

REFER TO NORTHEAST QUADRANT CROSS SECTIONS AND PAVEMENT ELEVATION SHEET FOR E.O.P. INFORMATION



SHAREFILE PLOTTED  
NOTE BOOK AREAS CHECKED

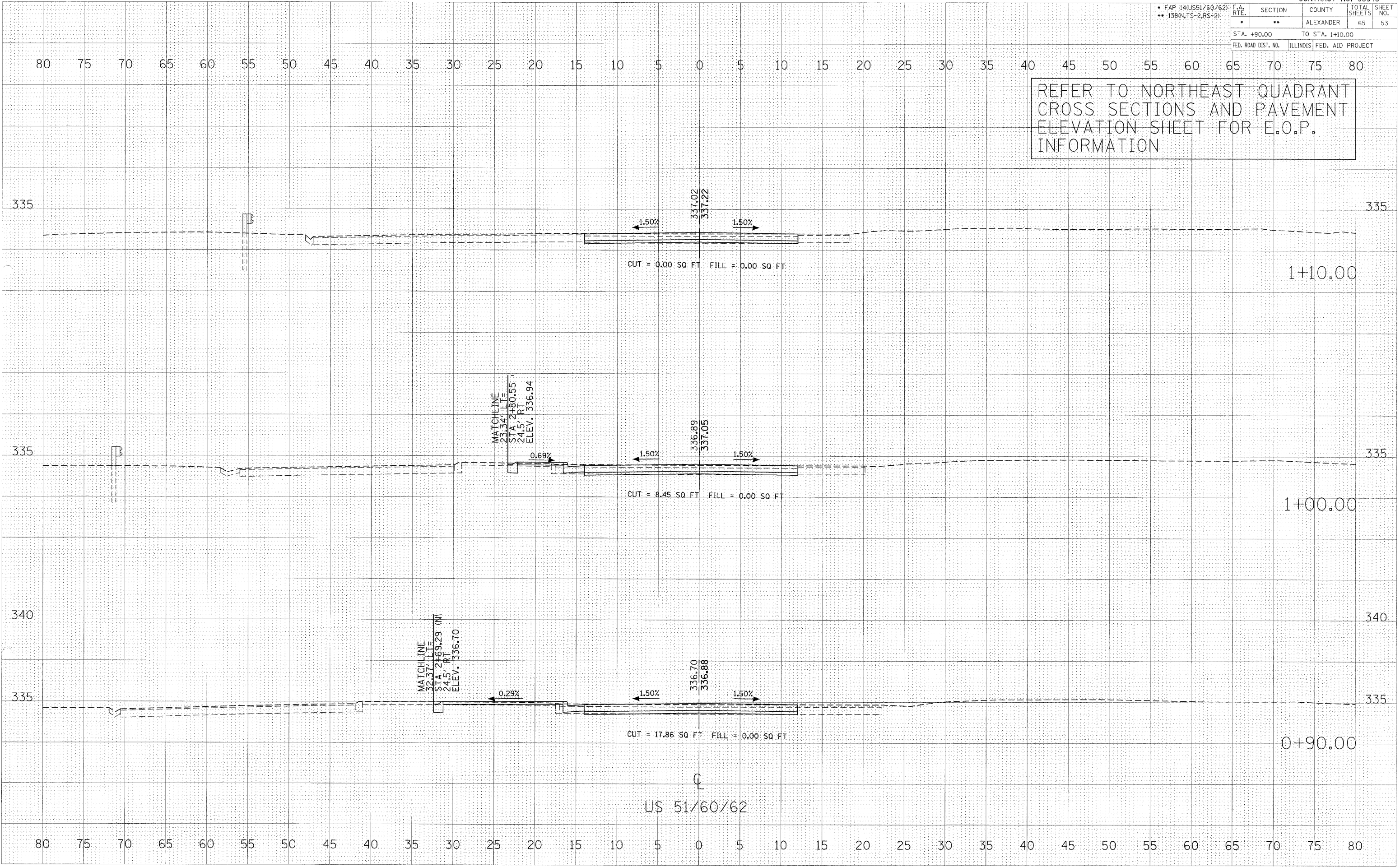
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USER NAME = p2001

FAP 14(US51/60/62)  
138(N,TS-2,RS-2)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	**	ALEXANDER	65	53

STA. +90.00 TO STA. 1+10.00  
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

REFER TO NORTHEAST QUADRANT CROSS SECTIONS AND PAVEMENT ELEVATION SHEET FOR E.O.P. INFORMATION



US 51/60/62

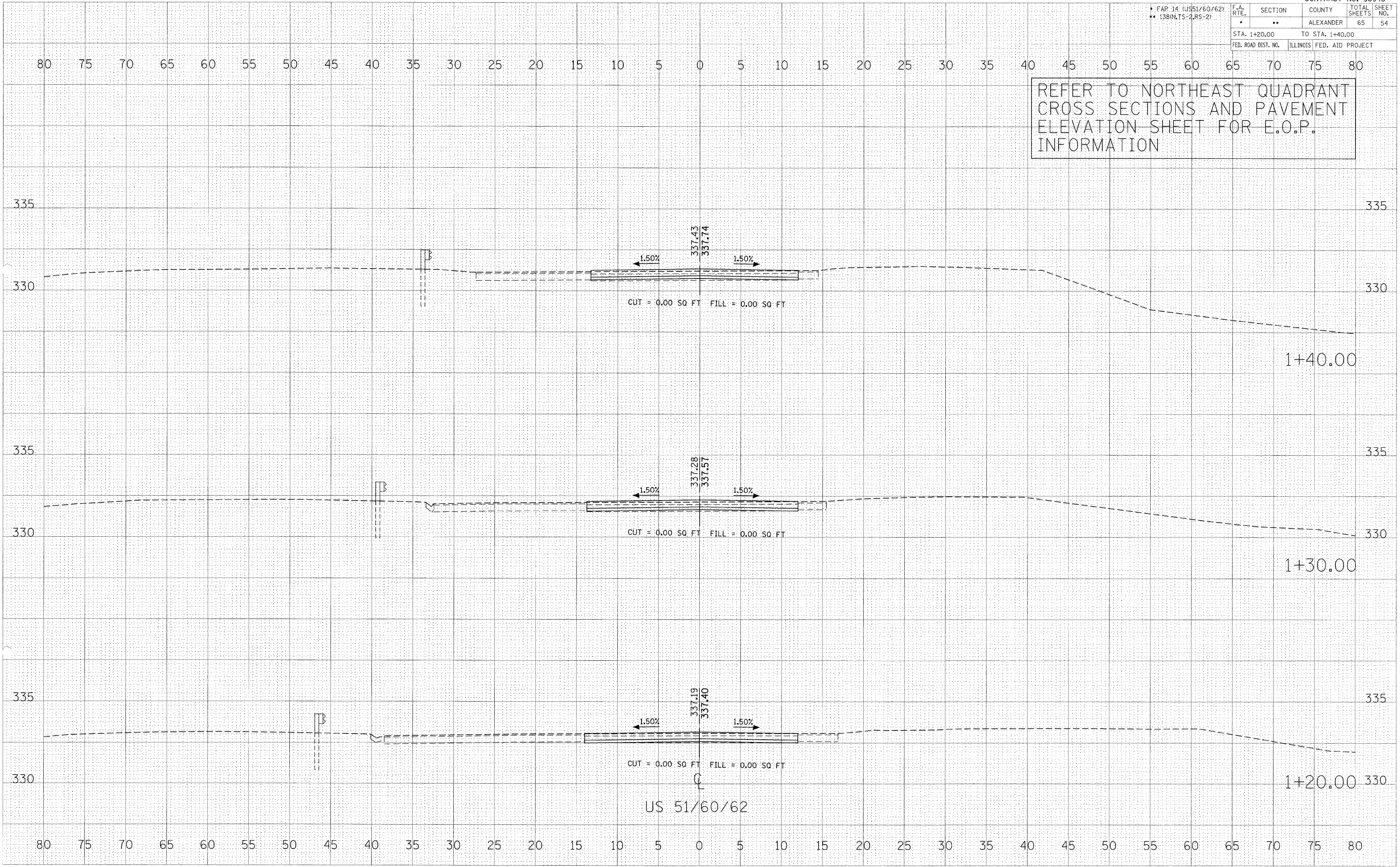
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SURVEY PLOTTED AREAS CHECKED  
NO. \_\_\_\_\_

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USER NAME = ppsal

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	54
STA. 1+20.00		TO STA. 1+40.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

REFER TO NORTHEAST QUADRANT  
CROSS SECTIONS AND PAVEMENT  
ELEVATION SHEET FOR E.O.P.  
INFORMATION



US 51/60/62

DATE: 11/27/2007  
 SURVEY: 11/27/2007  
 PLOTTED: 11/27/2007  
 REVISION: 11/27/2007  
 USER: ppsal

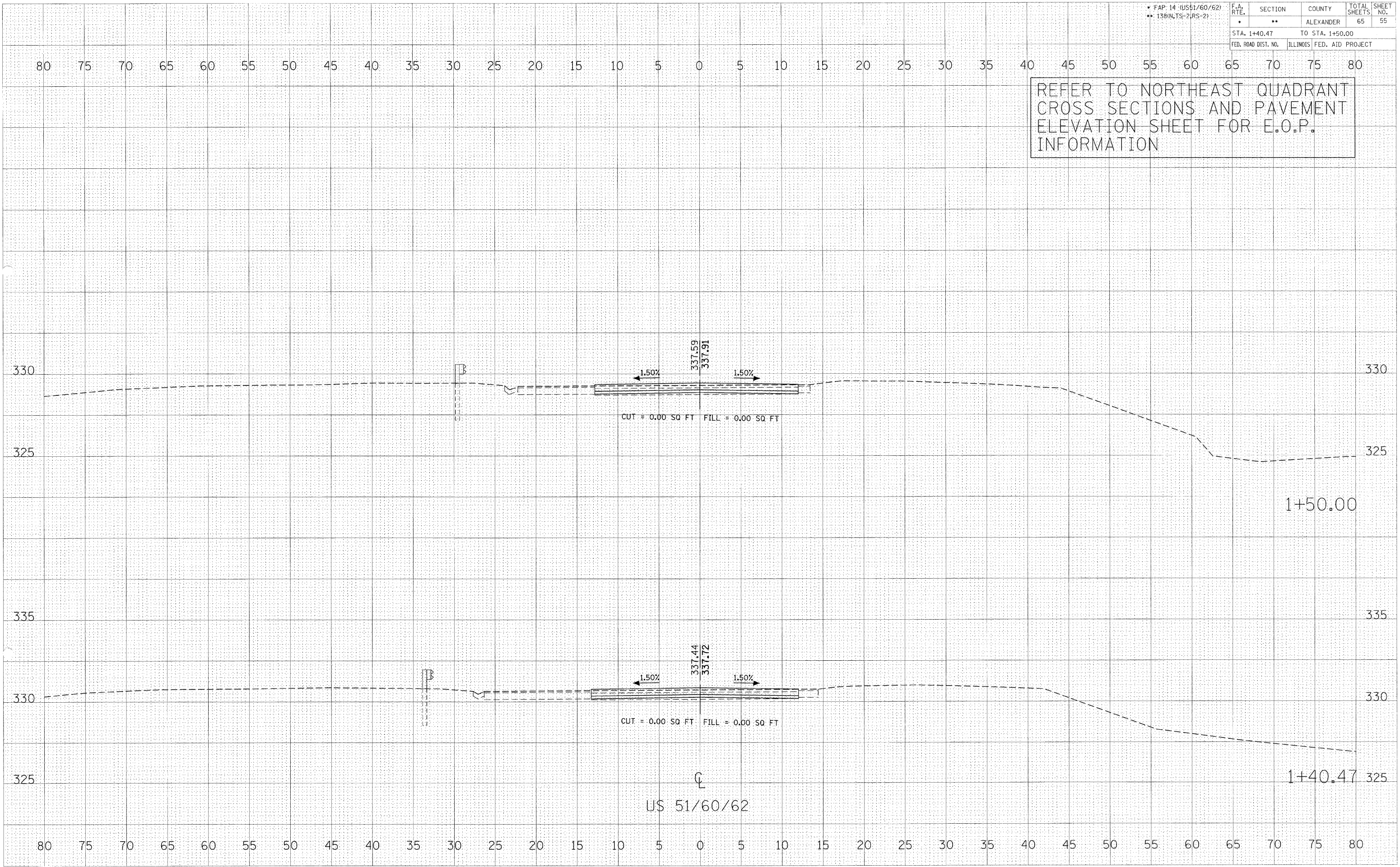
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 PLOTTED: 11/27/2007  
 REVISION: 11/27/2007  
 USER: ppsal

DATE: 11/27/2007  
 SURVEY: 11/27/2007  
 PLOTTED: 11/27/2007  
 REVISION: 11/27/2007  
 USER: ppsal

\* FAP 14 (US51/60/62)  
\*\* 138(N,TS-2,RS-2)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ALEXANDER	65	55
STA. 1+40.47		TO STA. 1+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

REFER TO NORTHEAST QUADRANT  
CROSS SECTIONS AND PAVEMENT  
ELEVATION SHEET FOR E.O.P.  
INFORMATION

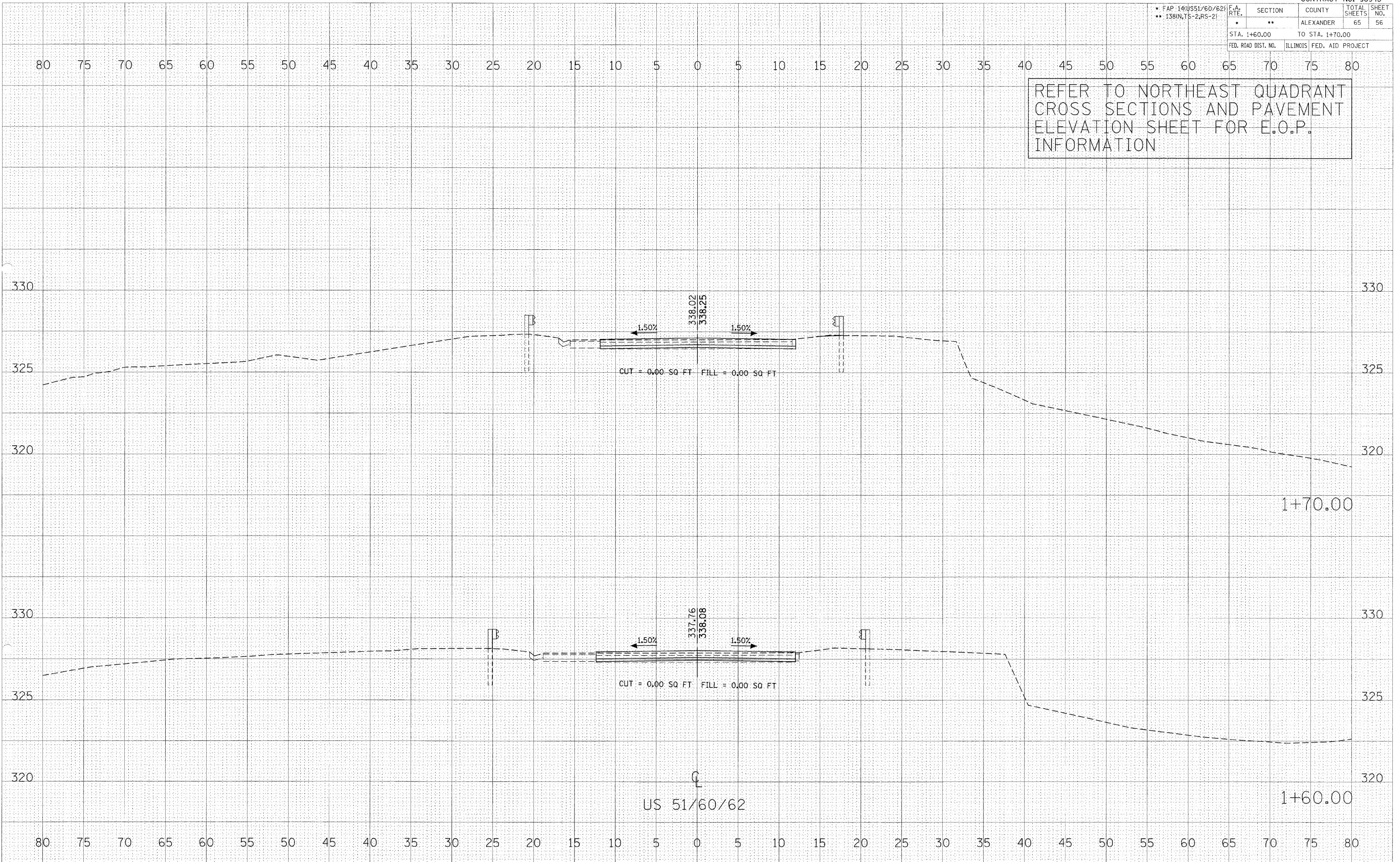


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 USER NAME: pssal

DATE PLOTTED: 11/27/2007  
 PLOT SCALE: 1" = 20.00'  
 USER NAME: pssal

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• FAP 14(U551/60/62) •• 138IN,TS-2,RS-2'	••	ALEXANDER	65	56
STA. 1+60.00		TO STA. 1+70.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

REFER TO NORTHEAST QUADRANT  
CROSS SECTIONS AND PAVEMENT  
ELEVATION SHEET FOR E.O.P.  
INFORMATION



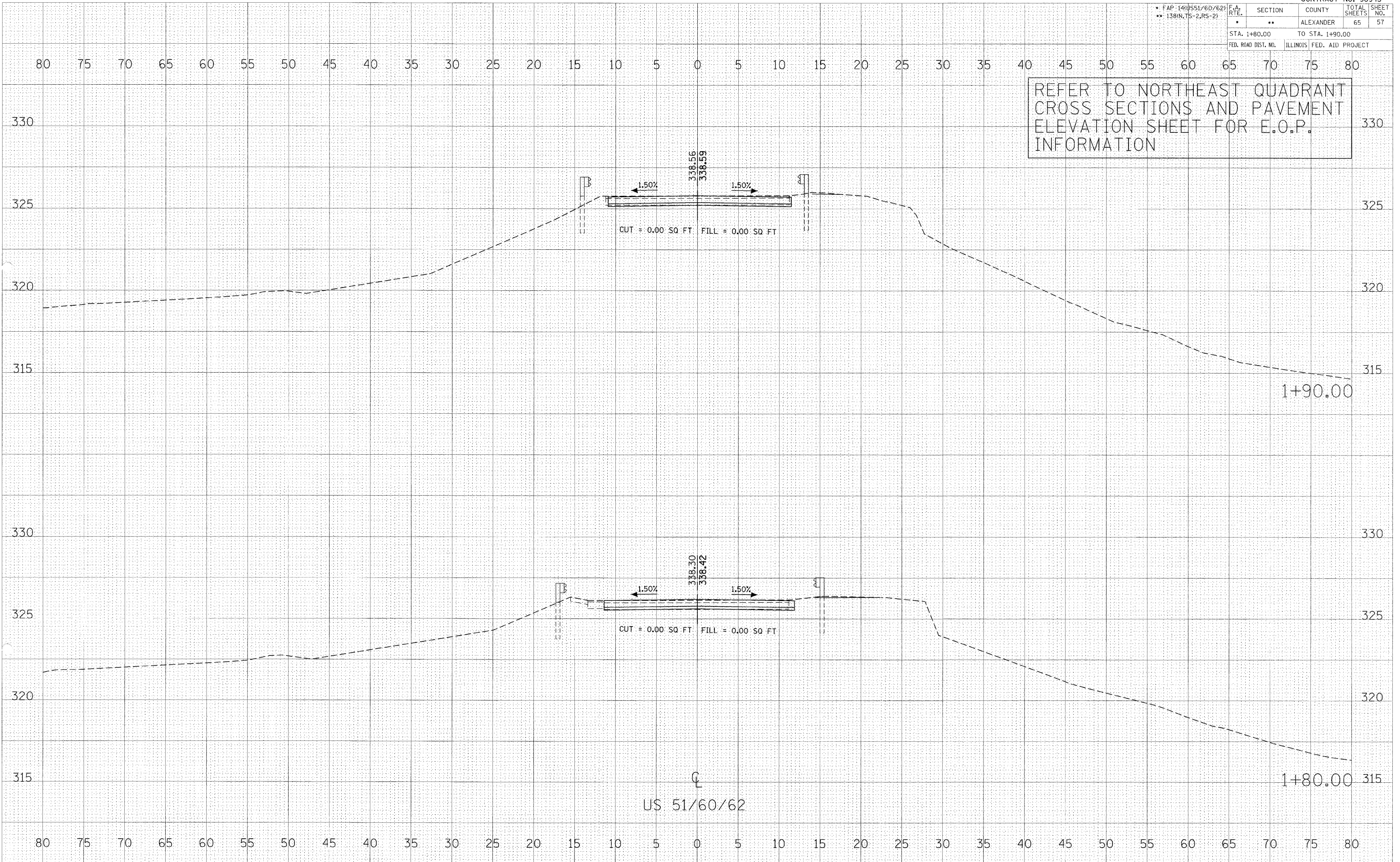
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SURVEY NO.: [Number]  
PLOTTED BY: [Name]  
NOTE BOOK NO.: [Number]  
AREAS CHECKED: [List]

DATE PLOTTED: 11/30/2007  
PLOT SCALE: 1" = 40.000'  
USER: [Name]  
SURVEY NO.: [Number]  
PLOTTED BY: [Name]  
NOTE BOOK NO.: [Number]  
AREAS CHECKED: [List]



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• FAP 140(551/60/62) • 138(N,TS-2,RS-2)	••	ALEXANDER	65	57
STA. 1+80.00 TO STA. 1+90.00				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

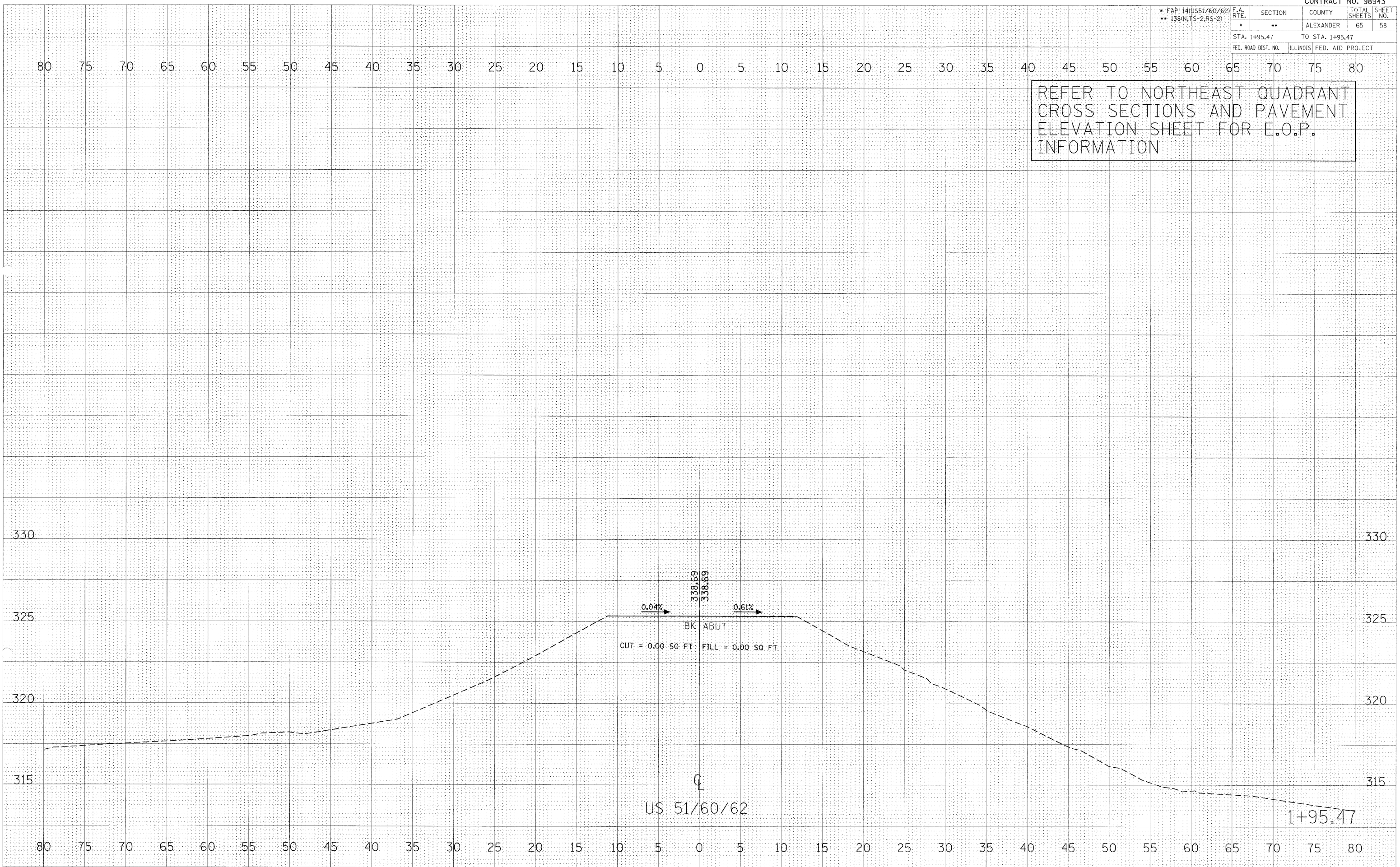
REFER TO NORTHEAST QUADRANT  
CROSS SECTIONS AND PAVEMENT  
ELEVATION SHEET FOR E.O.P.  
INFORMATION



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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• FAP 14(US51/60/62) • 138(N.TS-2,RS-2)	••	ALEXANDER	65	58
STA. 1+95.47		TO STA. 1+95.47		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REFER TO NORTHEAST QUADRANT  
CROSS SECTIONS AND PAVEMENT  
ELEVATION SHEET FOR E.O.P.  
INFORMATION



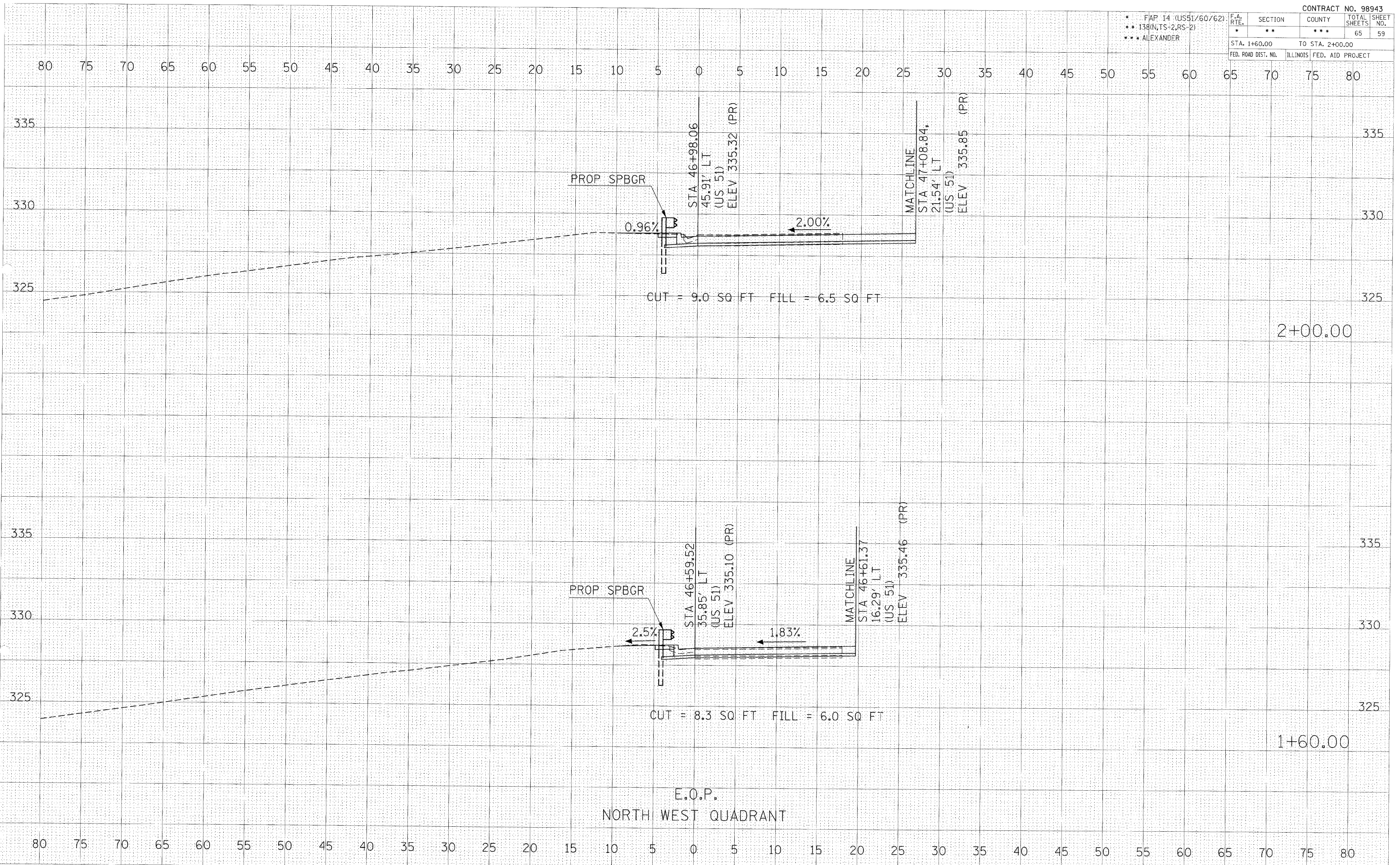
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NOTE BOOK  
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PLOT DATE = 11/27/2007  
PLOT SCALE = 5/8" = 1' / IN.  
USER NAME = poeal

\* FAP 14 (US51/60/62)  
\*\* 138(N,TS-2,RS-2)  
\*\*\* ALEXANDER

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	***	65	59

STA. 1+60.00 TO STA. 2+00.00  
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



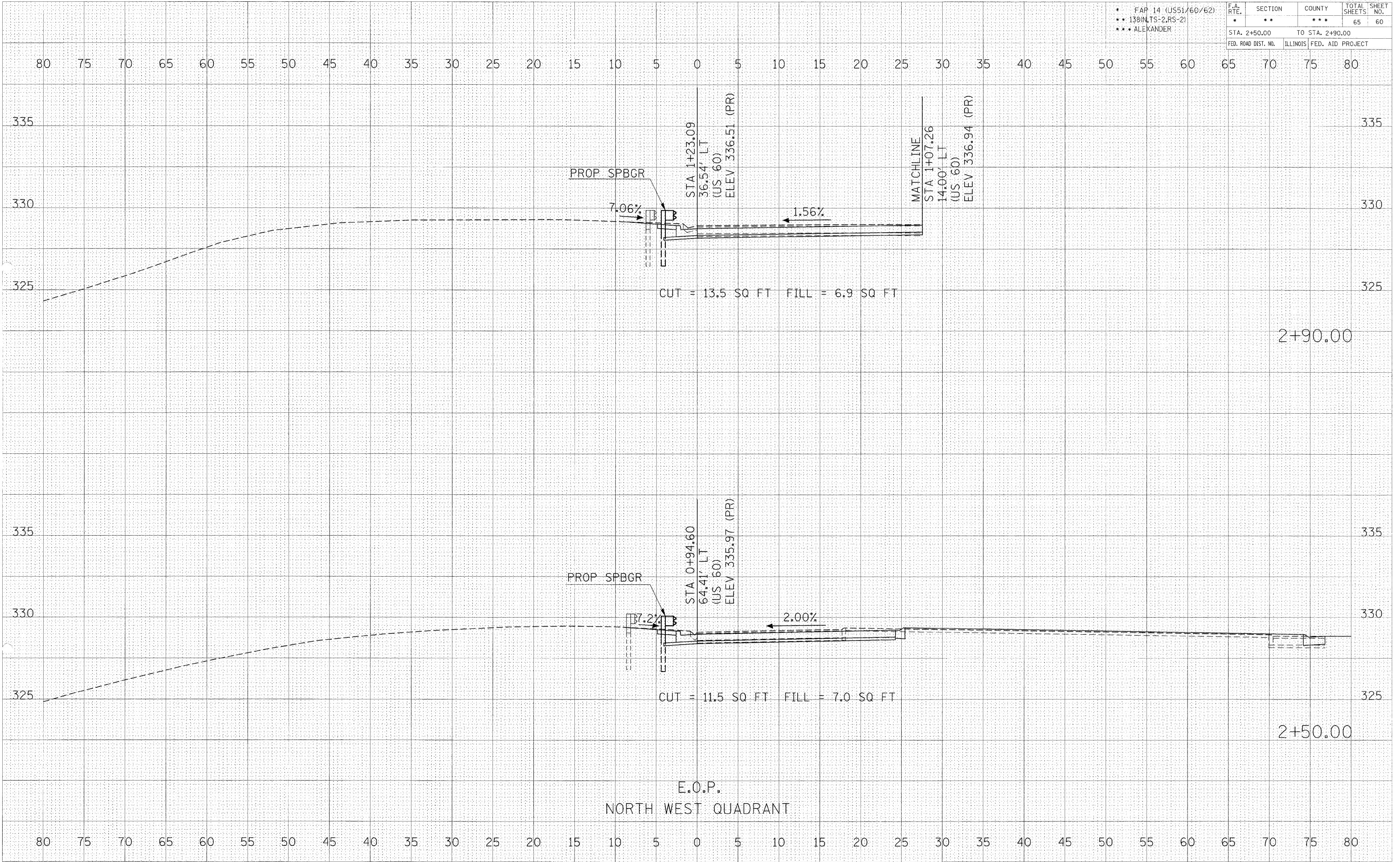
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AREAS CHECKED

SURVEY PLOTTED  
NO. 1  
AREAS CHECKED

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PLOT SCALE = 5/8" = 1' / IN.  
USER NAME = pssst

\* FAP 14 (US51/60/62)  
\*\* 138(N,TS-2,RS-2)  
\*\*\* ALEXANDER

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	***	65	60
STA. 2+50.00 TO STA. 2+90.00				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



E.O.P.  
NORTH WEST QUADRANT

CROSS SECTIONS (NORTHWEST QUADRANT)  
2+50 TO 2+90

NO. \_\_\_\_\_  
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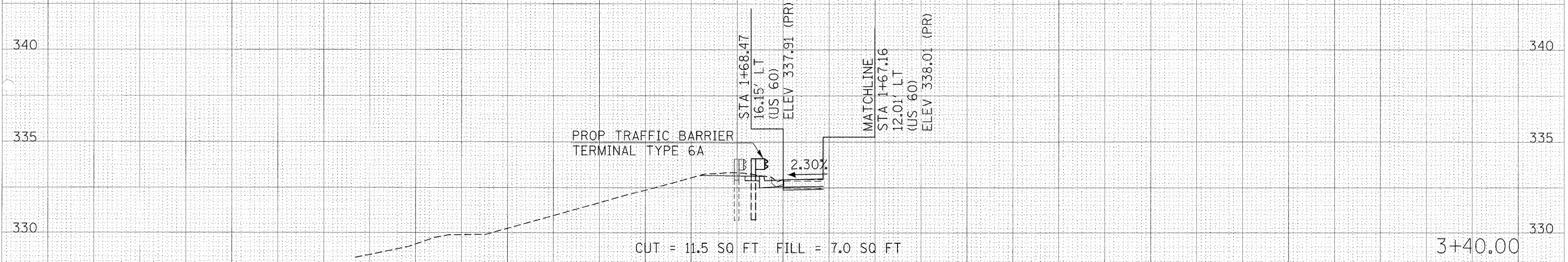
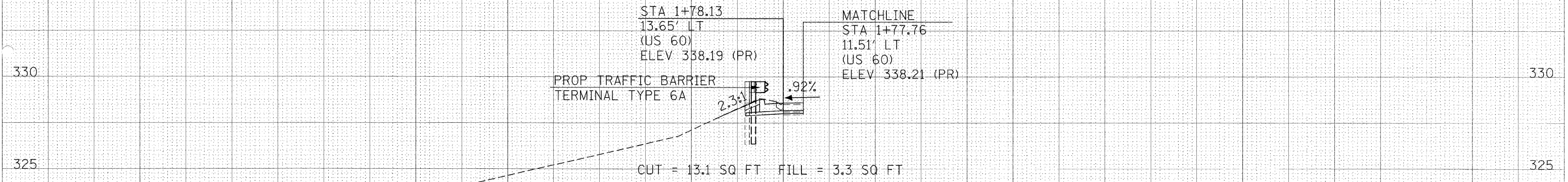
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 SURVEY PLOTTED AREAS CHECKED

\* FAP 14 (US51/60/62)  
 \*\* 138(N,TS-2,RS-2)  
 \*\*\* ALEXANDER

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	***	65	61
STA. 3+40.00		TO STA. 3+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80

E.O.P.  
 NORTH WEST QUADRANT



80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80

CROSS SECTIONS (NORTHWEST QUADRANT)  
 3+40 TO 3+50

NO. SURVEY PLANNED PLOTTED AREA CHECKED

NO. SURVEY PLANNED PLOTTED AREA CHECKED  
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\* FAP 14 (US51/60/62)  
\*\* 138(N,TS-2,RS-2)  
\*\*\* ALEXANDER

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	***	65	62
STA. 3+60.00		TO STA. 3+60.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80

NO. \_\_\_\_\_

AREAS CHECKED \_\_\_\_\_

AREAS UNCHECKED \_\_\_\_\_

DATE \_\_\_\_\_

BY \_\_\_\_\_

NO. \_\_\_\_\_

AREAS CHECKED \_\_\_\_\_

AREAS UNCHECKED \_\_\_\_\_

DATE \_\_\_\_\_

BY \_\_\_\_\_

NO. \_\_\_\_\_

AREAS CHECKED \_\_\_\_\_

AREAS UNCHECKED \_\_\_\_\_

DATE \_\_\_\_\_

BY \_\_\_\_\_

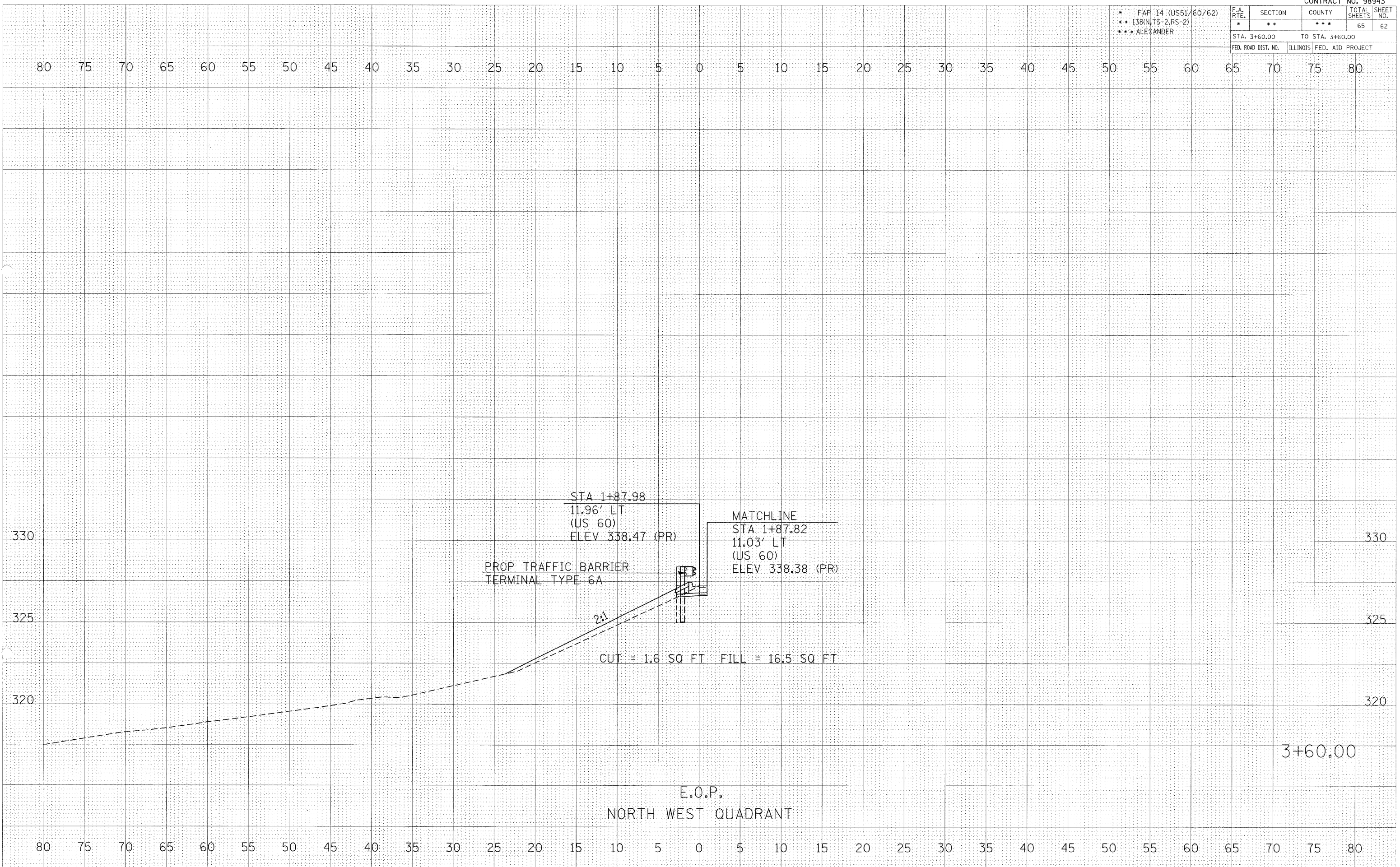
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AREAS CHECKED \_\_\_\_\_

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DATE \_\_\_\_\_

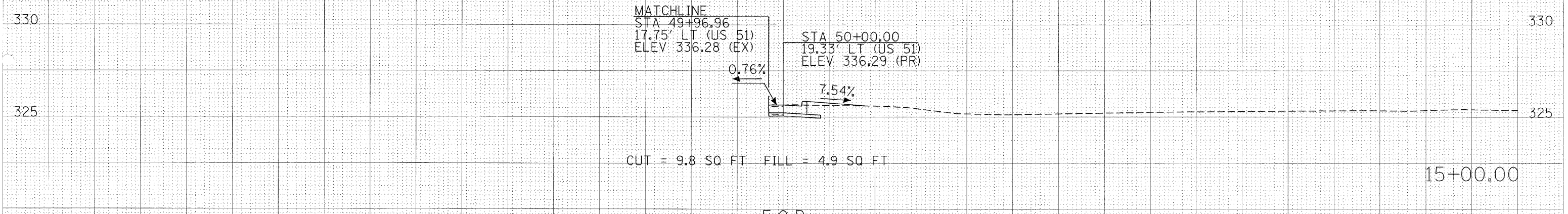
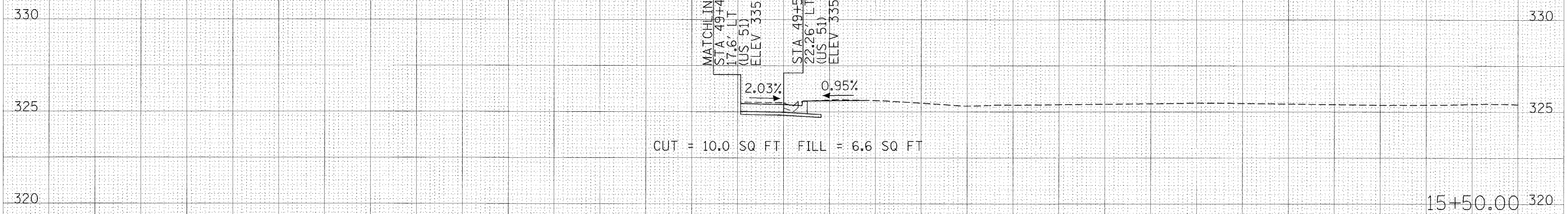
BY \_\_\_\_\_



- FAP 14 (US51/60/62)
- 138IN/TS-2/RS-21
- ALEXANDER

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	•••	65	63
STA. 15+00.00		TO STA. 15+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80



E.O.P.  
NORTH EAST QUADRANT

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80

CROSS SECTIONS (NORTHEAST QUADRANT)  
15+00 to 15+50

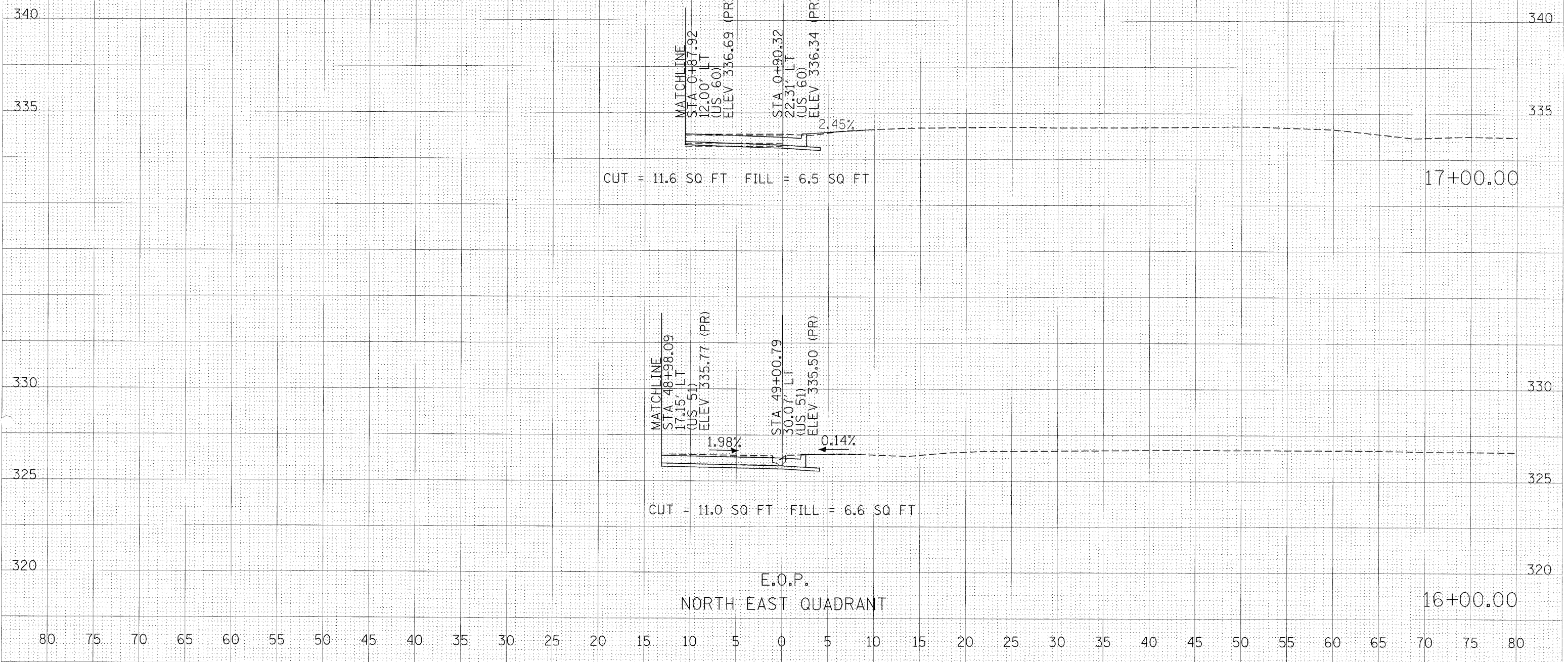
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SURVEY \_\_\_\_\_

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AREAS CHECKED \_\_\_\_\_  
TE BOOK \_\_\_\_\_  
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	•••	65	64
STA. 16+00.00 TO STA. 17+00.00				
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

• FAP 14 (US51/60/62)  
 •• 138 IN TS-2-RS-2  
 ••• ALEXANDER

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80



E.O.P.  
 NORTH EAST QUADRANT

CROSS SECTIONS (NORTHEAST QUADRANT)  
 16+00 TO 17+00

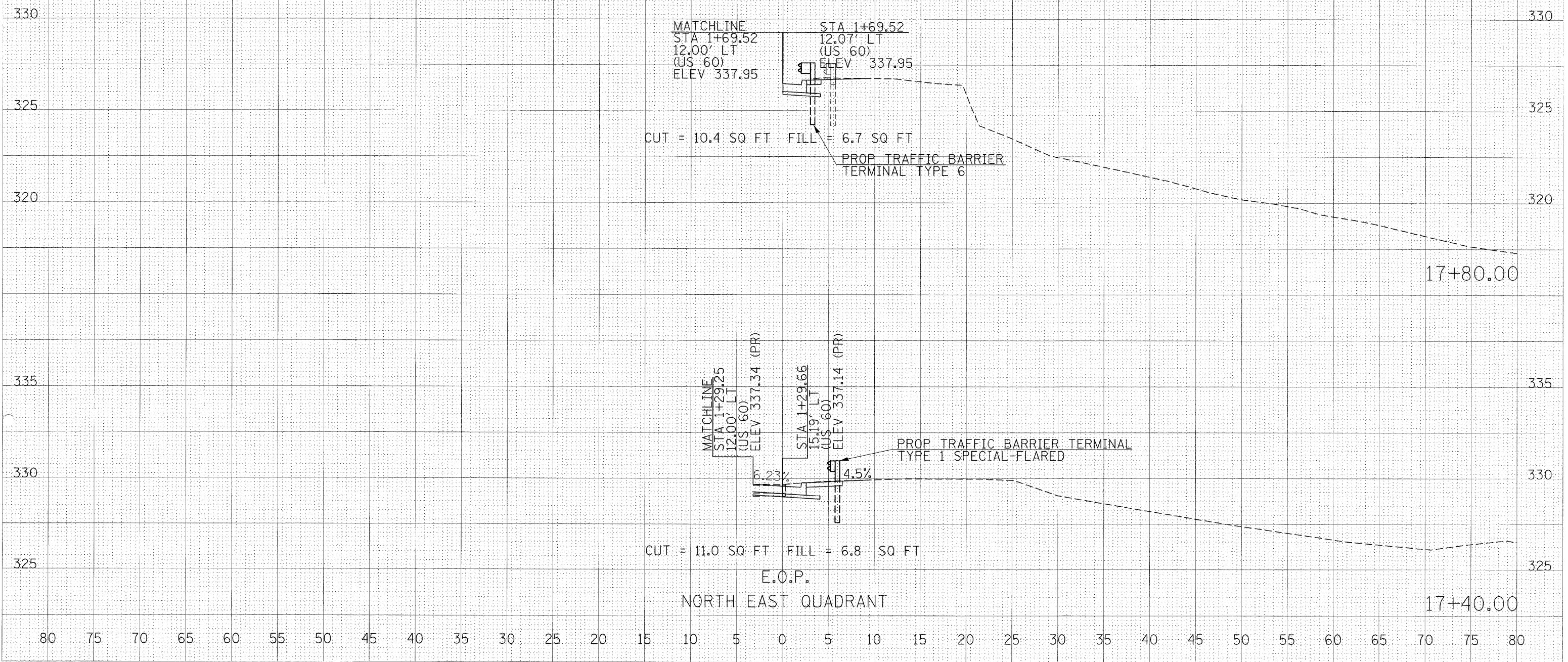
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 NOTE BOOK \_\_\_\_\_  
 SURVEY PLOTTED \_\_\_\_\_  
 SURVEY PLOTTED \_\_\_\_\_



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	•••	65	65
STA. 17+40.00		TO STA. 17+80.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

- FAR 14 (US51/60/62)
- 138(N,TS-2,RS-2)
- ALEXANDER

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80



CUT = 10.4 SQ FT FILL = 6.7 SQ FT

CUT = 11.0 SQ FT FILL = 6.8 SQ FT

E.O.P.  
NORTH EAST QUADRANT

CROSS SECTIONS (NORTHEAST QUADRANT)  
17+40 TO 17+80

SURVEY NO. \_\_\_\_\_  
 PLOTTED DATE \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
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