

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-SO-M	JO DAVIESS	27	1

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PROPOSED**  
**HIGHWAY PLANS**

**FAP ROUTE 301 (US 20)**  
**SECTION 28-SO-M**

**JO DAVIESS COUNTY**  
**C-92-117-02**

**PROJECT LOCATION**  
**LONG HOLLOW SCENIC OVERLOOK**

D-92-139-00



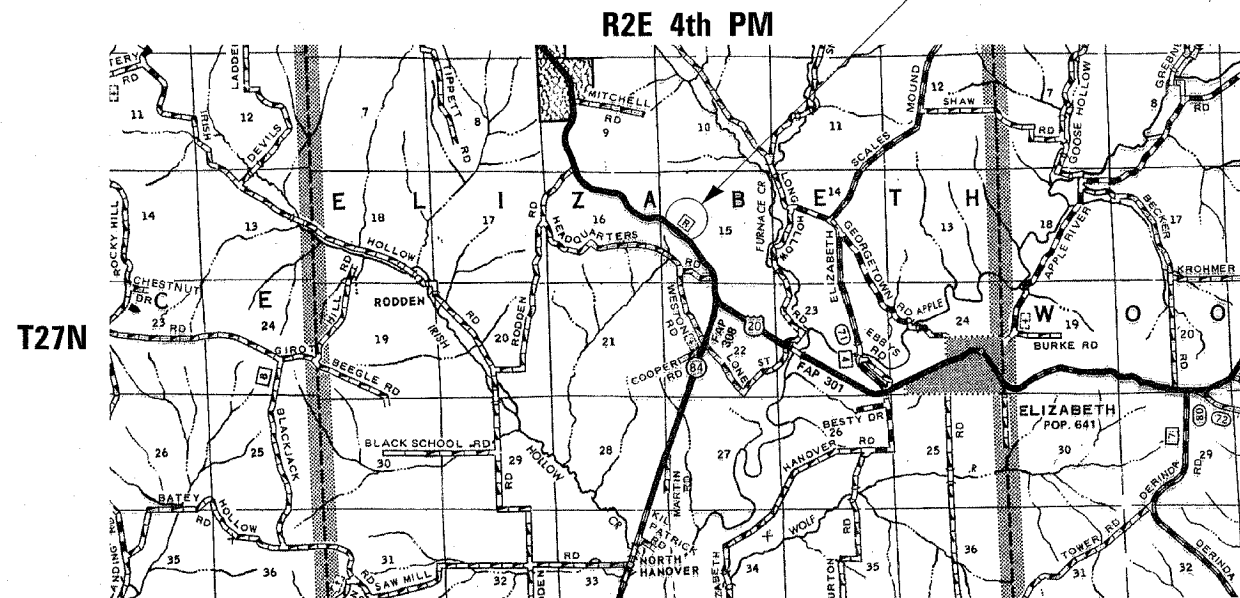
**MAURER & STUTZ, INC.**  
 ENGINEERS SURVEYORS  
 7615 N. HARKER DR. PEORIA, IL 61615  
 (309) 693-7615  
 ILLINOIS PROFESSIONAL DESIGN FIRM CORPORATION NUMBER 184-000177

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED Sept 1 2005  
Angus Mott  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER  
October 14, 2005  
Mike Niese  
 ENGINEER OF DESIGN AND ENVIRONMENT  
October 14, 2005  
Eric E. Parra  
 DEPUTY DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

REGION 2 DISTRICT 2, DIXON, IL



**GROSS PROJECT LENGTH : 2439.54 FT = 0.46 MILES**  
**NET PROJECT LENGTH : 2439.54 FT = 0.46 MILES**



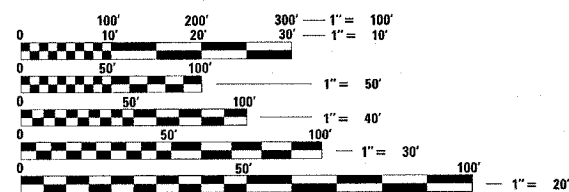
*Rick J. Anderson*  
 ILLINOIS REGISTRATION NO. 062-044812  
 EXPIRATION DATE: 11/30/2005

**INDEX OF SHEETS**

1	COVER SHEET, INDEX OF SHEETS, LIST OF STANDARDS
2	GENERAL NOTES AND COMMITMENTS
3	SUMMARY OF QUANTITIES
4-5	TYPICAL SECTIONS
6-7	SCHEDULE OF QUANTITIES
8-9	HORIZONTAL AND VERTICAL CONTROL
10-13	PLAN SHEETS
14-18	CONSTRUCTION DETAILS
19-27	CROSS SECTIONS

**LIST OF STATE STANDARDS**

000001-04	ABBREVIATIONS, SYMBOLS AND PATTERNS
606001-02	CONCRETE CURB TY B AND COMBINATION CONCRETE CURB AND CUTTER
424001-04	CURB RAMPS FOR SIDEWALKS
442201-01	CLASS C AND D PATCHES
720006	SIGN PANEL ERECTION DETAILS
720001	SIGN PANEL MOUNTING DETAILS
702001-05	TRAFFIC CONTROL DEVICES
701301-02	LANE CLOSURE, 2 LN, 2 W, SHORT TIME OPERATIONS
701006-02	OFF-ROAD OPERATIONS 2L, 2W, 4.5 M (15') TO 600 MM (24") FROM PAVEMENT EDGE
701001-01	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 4.5 M (15') AWAY
BLR 10-5	PCC PAVEMENT SPECIAL (NONREINFORCED)



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

ELIZABETH TOWNSHIP SECTION 15  
**CONTRACT NO. 64611**

PROJECT ENGINEER : ROBERT WAGNER

SENIOR ENGINEER : THOMAS HALLA (815) 294-5993

CONSULTANTS : MAURER-STUTZ, INC.  
 CONTACT : RICK ANDERSON (309) 693-7615

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-SO-M	JO DAVIESS	27	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**GENERAL NOTES**

The final top 100 mm (four inches) of soil in any right-of-way area disturbed by the contractor must be capable of supporting vegetation. The soil must be from the "A" horizon (zero to 2' deep) of soil profiles of local soils.

Drop-offs and low areas adjacent to existing sidewalks shall be eliminated with re-grading and filling with the soil described above (see detail this sheet).

Except for the top 75 mm (3"), all aggregate bases and subbases 300 mm (12") in thickness shall be constructed of aggregate gradation CA-2. If the specified thickness exceeds 300 mm (12"), the bases or subbases shall be constructed of topsize 150 mm (6") breaker-run crushed stone with 70% to 90% by weight, passing the 4" sieve and 15% to 40% by weight, passing the 50 mm (2") size sieve, except for the top 75 mm (3"). The breaker-run crushed stone shall be reasonably uniformly graded from coarse to fine and be taken from a quarry ledge capable of producing class "D" quality aggregate. The top 75 mm (3") shall be gradation CA-6 or CA 10 regardless of thickness. The water necessary to achieve compaction in all but the top 75 mm (3") layer may be added after the subbase or base course is placed on the grade.

The contractor will be required to furnish 140 mm (5 1/2") high brass stencils as approved by the engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 150 mm (6") inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

All proposed sidewalk shall be reinforced with 6 x 6 - W1.4 x W1.4 welded wire fabric. Any existing sidewalk contraction joints or butt joints that have 1/2" or greater openings shall be filled with preformed expansion joint filler in accordance with Article 1051 of the Standard Specifications.

All new sidewalk shall be tied to existing sidewalk with #4 bars at 12" centers drilled 6" deep.

The exact locations of the proposed trees are to be coordinated with the District Landscape Architect prior to planting.

Each tree shall receive a five foot diameter of shredded mulch, five inches thick with landscape fabric. This shall be included in the unit price for tree planting. Planting shall be in accordance with the Standard Specifications.

Mulch around the building with five cubic yards of mulch with landscape fabric. The mulch shall be four inches thick. On the east side of the building approximately four inches of existing soil shall be removed to accommodate the mulch. The mulch and soil removal shall be included in the bid price for tree planting.

Contractor shall take care to not damage existing trees in any manner. If, in the opinion of the Engineer, the Contractor is harming the trees, the Contractor shall (at their own expense) fence or stake around trees and root base to protect the trees.

The contractor shall be responsible for protecting utility property during construction operations as outlined in article 107.31 of the standard specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

None listed

Following are the known utilities located within the project limits or immediately adjacent to the project construction limits which are not members of JULIE and should be notified individually by the contractor:

Highway Lighting Dennis Schultz IDOT District 2  
(815) 284-5301 819 Depot Ave  
Dixon, IL 61021

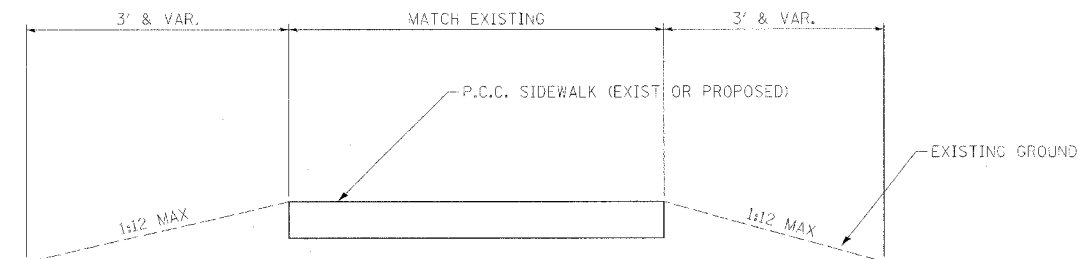
CADD data will be available to contractors and consultants working on this project. This information will be provided upon request as Microstation CADD files and Geopak coordinate geometry files only. If data is required in other formats it will be the contractor's responsibility to make these conversions. If any discrepancy or inconsistency arises between the electronic data and the information on the hard copy, the information on the hard copy should be used. Contact the district's project engineer to request these files.

All surplus material, including millings, shall be disposed of by the contractor according to Art. 202.03.

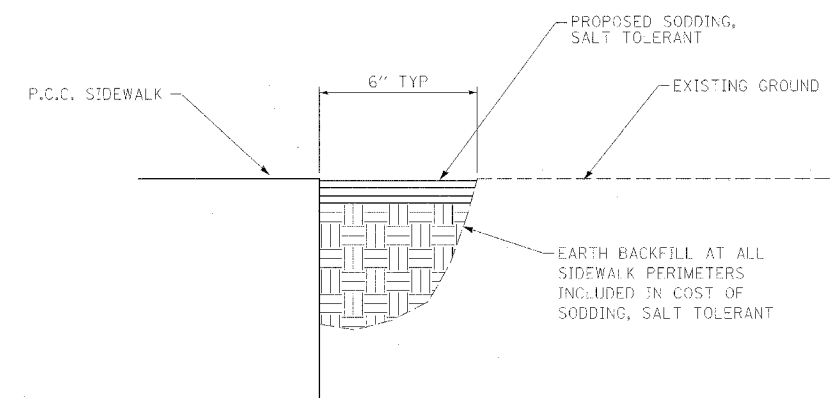
**COMMITMENTS**

There were no commitments made during the design phase of this project.

Mixture Uses(s):	Bit Mix Complete		
PG:	PG 58-22		
RAP%: (Max)	15%		
Design Air Voids	3.0% @ N50		
Mixture Composition (Gradation Mixture)	3/8" OR 1/2"		
Friction Aggregate	C		
20 Year ESAL			



**EARTH SLOPES AT SIDEWALKS**



**EARTH BACKFILL AT SIDEWALKS**

PLOT DATE = 8/12/05  
FILE NAME = 2139906EN.dgn  
PLOT SCALE = 1:1  
REFERENCE = REF

ILLINOIS DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES**

REVISIONS	
NAME	DATE

SCALE: VERT.     
          HORIZ.   

DRAWN BY   SAM  
CHECKED BY   RJA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-SO-M	JO DAVIESS	27	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

# SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	CONSTRUCTION TYPE CODE Y022	TOTAL QUANTITY
20101700	SUPPLEMENTAL WATERING	UNIT		93
20200100	EARTH EXCAVATION	CU YD		18
20200500	EARTH EXCAVATION (WIDENING)	CU YD		384
20400800	FURNISHED EXCAVATION	CU YD		43
25200100	SODDING	SQ YD		2069
35102400	AGGREGATE BASE COURSE, TYPE B 12"	SQ YD		1532
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON		1.3
40500300	BITUMINOUS MIXTURE COMPLETE	TON		1091
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD		461
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT		2710
44000600	SIDEWALK REMOVAL	SQ FT		1108
60600605	CONCRETE CURB, TYPE B	FOOT		245
60603300	GUTTER OUTLET	EACH		1
60607400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.24	FOOT		345
67100100	MOBILIZATION	L SUM		1
* 72000100	SIGN PANEL - TYPE 1	SQ FT		4
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT		24
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT		6
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT		7071
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT		13
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT		28
A2006714	TREE, QUERCUS MACROCARPA (BUR OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH		3
A2007114	TREE, QUERCUS RUBRA (RED OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH		3
X4200400	PORTLAND CEMENT CONCRETE PAVEMENT 8", (SPECIAL) WITH INTEGRAL CURB	SQ YD		11
X0300019	REMOVE AND REINSTALL PARKING BLOCKS	EACH		2
X0301430	PRECAST CONCRETE PARKING BLOCK	EACH		1
X0321309	CONCRETE PAD	SQ YD		19
X4400220	CURB REMOVAL AND REPLACEMENT	FOOT		34
X4420132	CLASS D PATCHES (SPECIAL)	SQ YD		29
X7013015	TRAFFIC CONTROL FOR ROAD CLOSURE	L SUM		1
XX004144	DRINKING FOUNTAIN	EACH		1
XX005896	CONCRETE PAD REMOVAL	SQ FT		241
Z0049400	REFUSE CONTAINER AND PAD	EACH		2
* X0325136	DRILLED WATER WELL COMPLETE	L SUM		1
X0325137	REMOVE AND RELOCATE PICNIC TABLE AND SHELTER	L SUM		1
X0325138	REMOVE AND REPLACE PRIVACY FENCE	L SUM		1
X0325139	ROOF REPAIR	L SUM		1
X0325140	WOODEN GUARDRAIL REPAIR	L SUM		1

\* SPECIALTY ITEM

PLOT DATE = Fri Sep 02 11:09:44 2005  
 FILE NAME = F:\Scanned\overlook US 28-0-12-131-001\Z1D-w6500.dgn  
 PLOT SCALE = 1/8" = 1'-0"  
 REFERENCE = AREA

ILLINOIS DEPARTMENT OF TRANSPORTATION

## SUMMARY OF QUANTITIES

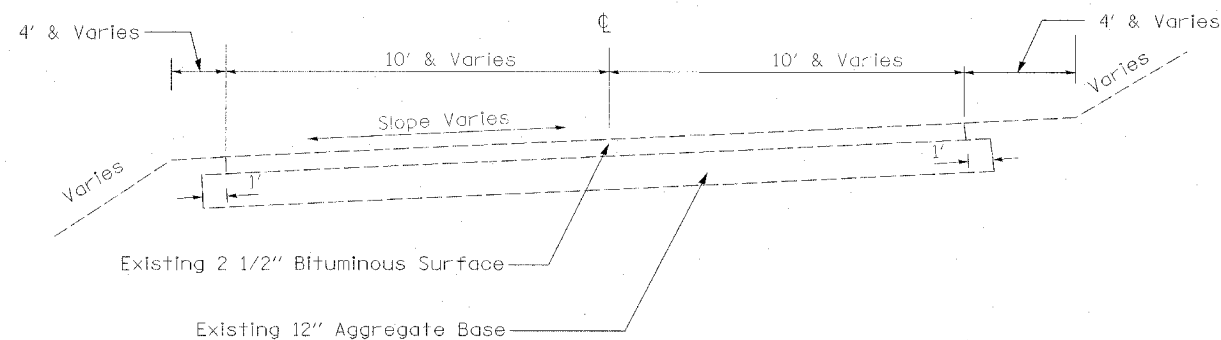
REVISIONS	
NAME	DATE

SCALE: VERT.  
HORIZ.  
DATE

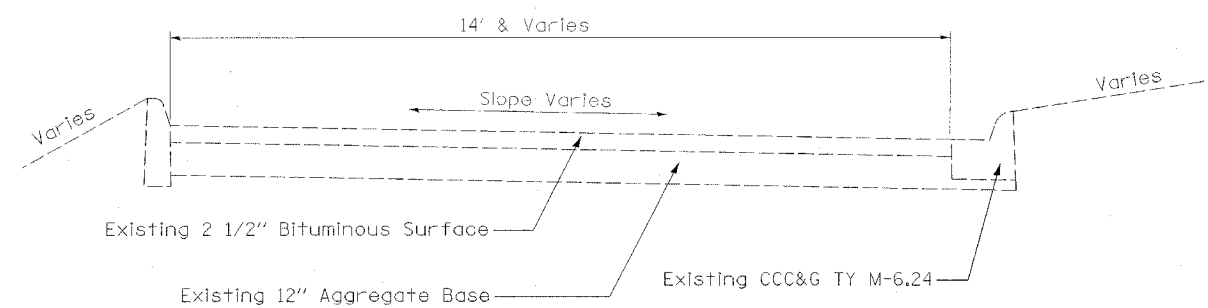
DRAWN BY SAM  
CHECKED BY RJR

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-50-M	JO DAVIESS	27	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

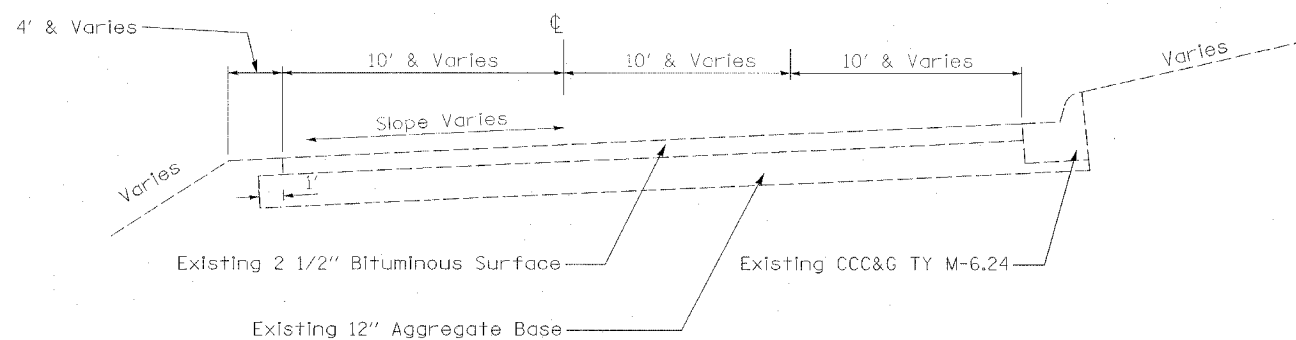
# TYPICAL SECTIONS



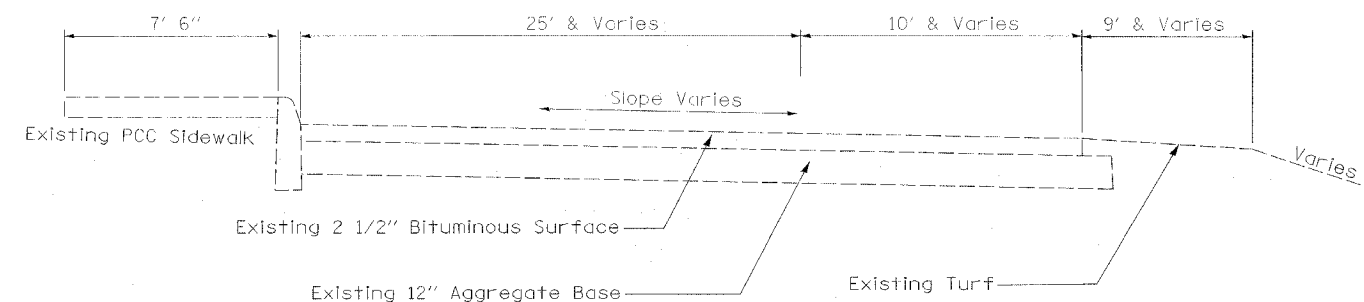
STA. 10+00.00 - STA. 15+45.00



STA. 23+33.00 - STA. 24+09.00



STA. 15+45.00 - STA. 18+39.54

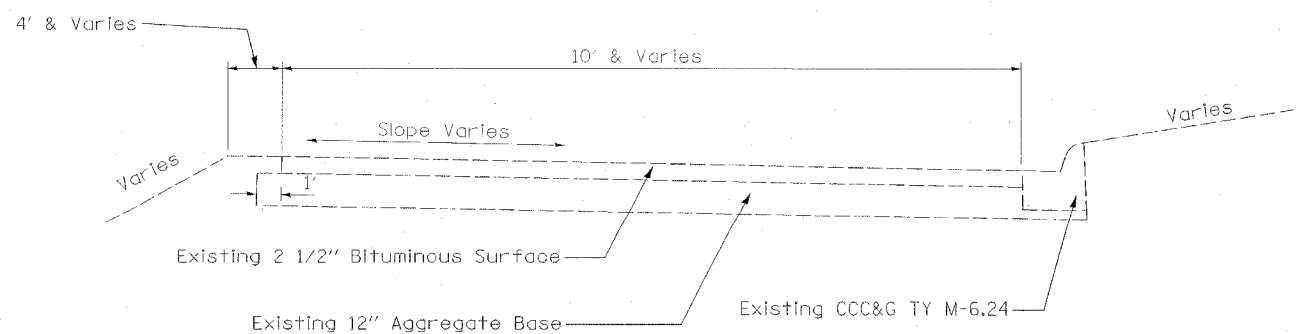


STA. 24+09.00 - STA. 25+44.00

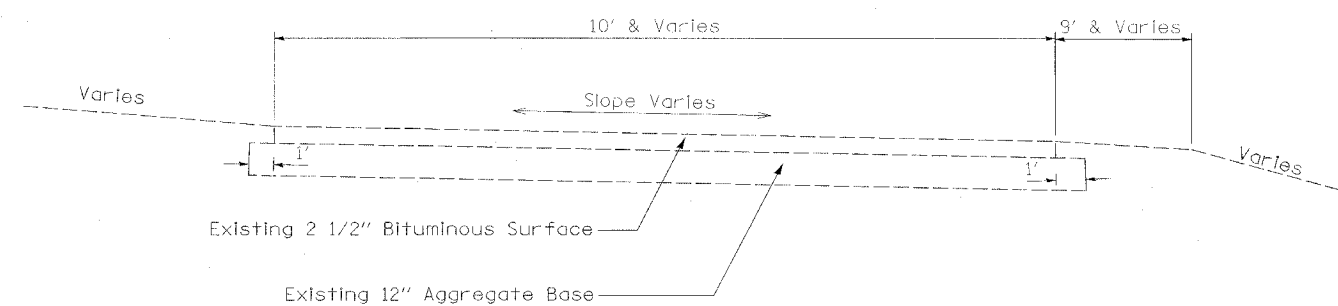
Note : Station Equation  
18+39.54 BK= 20+00.00 AHD

STA. 20+00.00 - STA. 21+06.00

STA. 35+06.00 - STA. 36+11.36



STA. 21+06.00 - STA. 23+33.00



STA. 25+44.00 - STA. 35+06.00

PLOT DATE : \*DATE\*  
FILE NAME : \*FILE\*  
PLOT SCALE : \*SCALE\*  
REFERENCE : \*REF\*

ILLINOIS DEPARTMENT OF TRANSPORTATION

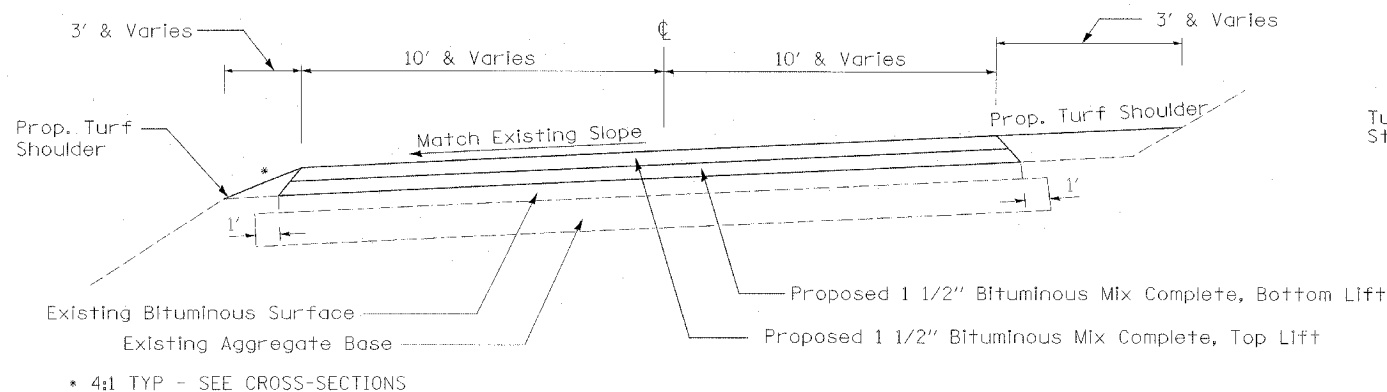
## EXISTING TYPICAL SECTIONS

REVISIONS	
NAME	DATE

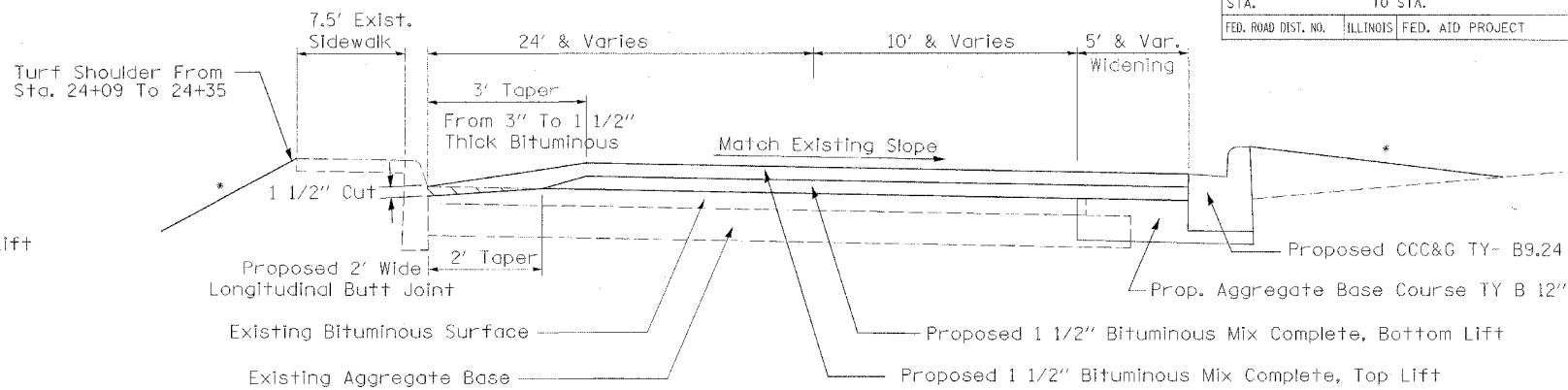
SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY SAM  
CHECKED BY RJA

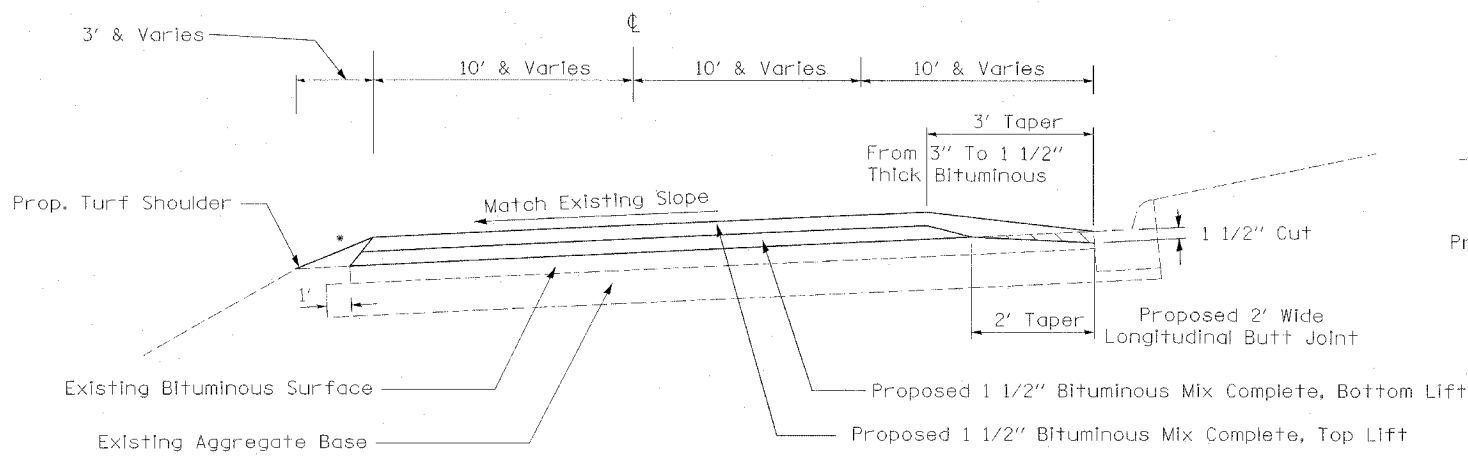
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-S0-M	JO DAVIESS	27	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



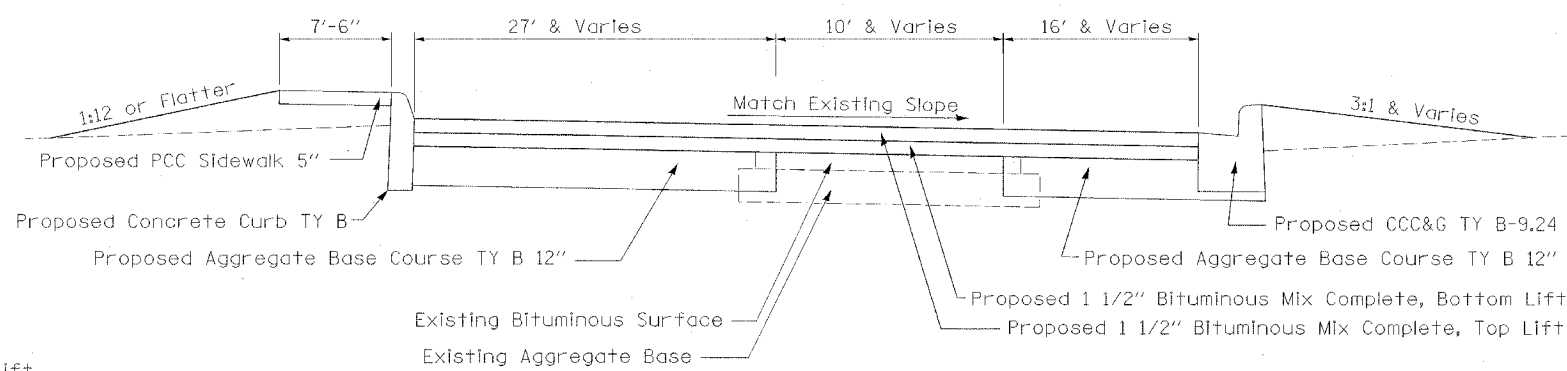
STA. 10+00.00 - STA. 15+45.00



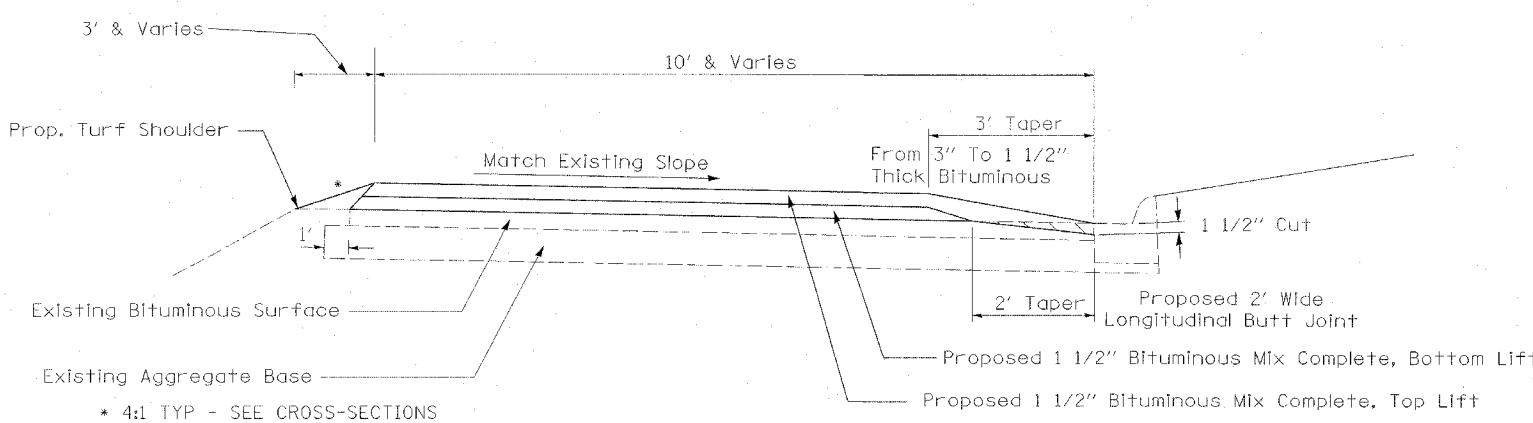
STA. 23+33.00 - STA. 25+40.00



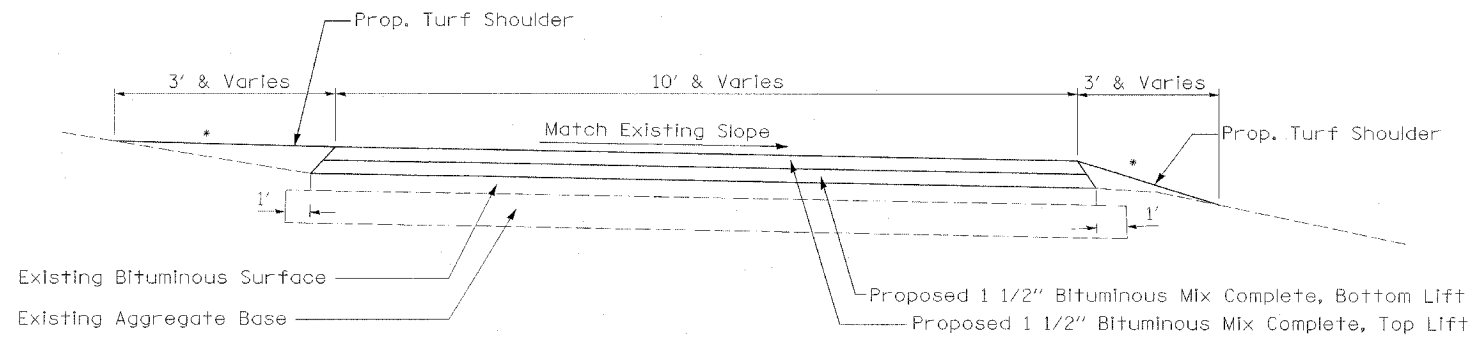
STA. 15+45.00 - STA. 18+39.54  
 STA. 20+00.00 - STA. 21+06.00  
 STA. 35+06.00 - STA. 36+11.36



STA. 25+40.00 - STA. 27+50.00



STA. 21+06.00 - STA. 23+33.00



STA. 27+50.00 - STA. 35+06.00

Note: Station Equation  
 18+39.54 BK= 20+00.00 AHD

NOTE:  
 Bituminous Mix Complete Thicknesses Over 2"  
 Shall Be Placed In Two Lifts As Shown In Typical.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PROPOSED TYPICAL SECTIONS**

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_

DRAWN BY SAM  
 CHECKED BY RJA

PLT DATE = 8/12/06  
 FILE NAME = 28-S0-M  
 PLOT SCALE = 1"=40'  
 REFERENCE = #REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-SO-M	JO DAVIESS	27	6
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**20101700 SUPPLEMENTAL WATERING**

LOCATION	UNITS	REMARKS
10+00.00 TO 15+00.00	18.0	ENTRANCE ROAD
15+00.00 TO 18+39.54	5.5	ENTRANCE ROAD
20+00.00 TO 22+00.00	3.2	GORE AREA
22+00.00 TO 24+00.00	2.4	CIRCULATORY ROADWAY
24+00.00 TO 27+50.00	33.3	PARKING AREA
27+50.00 TO 34+00.00	21.2	CIRCULATORY ROADWAY
34+00.00 TO 36+00.00	4.1	GORE AREA
REPAIR / REPLACE SIDEWALK PERIMETER	1.9	
EXISTING SIDEWALK PERIMETER	2.6	
30+40.00 RT	0.8	DUMPSTER PAD
TOTAL		93

**25200100 SODDING**

LOCATION	SQ. YD	REMARKS
10+00.00 TO 15+00.00	400.0	ENTRANCE ROAD
15+00.00 TO 18+39.54	121.5	ENTRANCE ROAD
20+00.00 TO 22+00.00	70.8	GORE AREA
22+00.00 TO 24+00.00	54.2	CIRCULATORY ROADWAY
24+00.00 TO 27+50.00	740.3	PARKING AREA
27+50.00 TO 34+00.00	470.8	CIRCULATORY ROADWAY
34+00.00 TO 36+00.00	91.7	GORE AREA
REPAIR / REPLACE SIDEWALK PERIMETER	42.0	
EXISTING SIDEWALK PERIMETER	57.6	
30+40.00 RT	20.0	DUMPSTER PAD
TOTAL		2069

**35102400 AGGREGATE BASE COURSE, TYPE B, 12"**

LOCATION	SQ. YD	REMARKS
24+09.00 TO 27+50.00 RT	557.1	AT PARKING RIGHT SIDE
25+50.00 TO 27+68.00 LT	624.9	AT PARKING LEFT SIDE
29+40.00 TO 35+08.00 LT	339.8	AT WIDENING LEFT SIDE
30+31.00 TO 30+45.00 RT	10.7	AT DUMPSTER PAD
TOTAL		1532

**40500100 BITUMINOUS MATERIALS (PRIME COAT)**

LOCATION	TON	REMARKS
10+00.00 TO 15+00.00	0.30	ENTRANCE ROAD
15+00.00 TO 22+00.00	0.28	ENTRANCE ROAD
22+00.00 TO 24+00.00	0.05	GORE
24+00.00 TO 27+50.00	0.35	PARKING AREA
27+50.00 TO 34+00.00	0.26	CIRCULATORY ROADWAY
34+00.00 TO 36+00.00	0.06	RETURN GORE AREA
TOTAL		1.3

**40500300 BITUMINOUS MIX COMPLETE**

LOCATION	TON	REMARKS
10+00.00 TO 15+00.00	249.6	ENTRANCE ROAD
15+00.00 TO 22+00.00	238.2	ENTRANCE ROAD
22+00.00 TO 24+00.00	42.0	GORE
24+00.00 TO 27+50.00	292.4	PARKING AREA
27+50.00 TO 34+00.00	222.2	CIRCULATORY ROADWAY
34+00.00 TO 36+00.00	46.6	RETURN GORE AREA
TOTAL		1091

**40600980 BITUMINOUS SURFACE REMOVAL BUTT JOINT**

LOCATION	SQ. YD	REMARKS
10+00.00 TO 10+30.00 LT TO RT	221.1	OVERLOOK ENTRANCE
15+46.00 TO 24+09.00 RT	191.8	LOWER PARKING AREA
23+33.00 TO 25+50.00 LT	48.2	LOWER PARKING AREA
TOTAL		461

**42400200 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH**

LOCATION	SQ. FT	REMARKS
25+50.00 TO 27+50.00 LT	1500.0	ALONG PARKING AREA
26+10.00 TO 26+40.00 LT	339.0	AT SIDEWALK REPLACEMENT AREA
26+90.00 TO 27+10.00 LT	90.0	AT SIDEWALK EXTENSION AREA
24+43.00 TO 24+50.00 LT	50.6	AT SIDEWALK REPAIR AREAS
24+75.00 TO 24+82.00 LT	49.8	AT SIDEWALK REPAIR AREAS
24+95.00 TO 25+25.00 LT	276.1	AT SIDEWALK REPAIR AREAS
25+10.00 TO 25+22.00 LT	72.0	AT SIDEWALK REPAIR AREAS
25+30.00 TO 25+39.00 LT	51.6	AT SIDEWALK REPAIR AREAS
25+40.00 TO 25+50.00 LT	48.5	AT SIDEWALK REPAIR AREAS
25+65.00 TO 25+75.00 LT	54.0	AT SIDEWALK REPAIR AREAS
25+76.00 TO 25+86.00 LT	61.3	AT SIDEWALK REPAIR AREAS
26+33.00 TO 26+50.00 LT	117.3	AT SIDEWALK REPAIR AREAS
TOTAL		2710

**EARTHWORK SCHEDULE**

LOCATION		20200100 EARTH EXCAVATION (CUT)	20200500 EARTH EXCAVATION (WIDENING)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT (FILL)	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)
FROM	TO	CU YD	CU YD	CU YD	CU YD	CU YD
<b>ENTRANCE ROAD</b>						
10+00.00	15+00.00	0.0	0.0	0.0	6.5	-6.5
15+00.00	18+39.54	0.0	0.0	0.0	3.0	-3.0
20+00.00	22+00.00	0.0	0.0	0.0	1.9	-1.9
22+00.00	24+00.00	0.0	0.0	0.0	1.6	-1.6
<b>PARKING AREA</b>						
24+00.00	27+50.00	15.7	149.5	123.9	317.2	-193.3
<b>CIRCULATORY ROADWAY</b>						
27+50.00	34+00.00	2.1	180.1	136.7	12.2	124.4
34+00.00	36+00.00	0	54.5	40.9	1.9	39.1
<b>TOTALS</b>		<b>18</b>	<b>384</b>	<b>301</b>	<b>344</b>	<b>-43</b>
		<b>20200100 EARTH EXCAVATION 18 CU YD</b>	<b>20200500 EARTH EX (WIDENING) 384 CU YD</b>			<b>20400800 FURNISHED EXCAVATION 43 CU YD</b>

**44000600 SIDEWALK REMOVAL**

LOCATION	SQ. FT	REMARKS
25+50.00 TO 25+60.00 LT	101.7	ALONG PARKING AREA
26+10.00 TO 26+40.00 LT	225.0	AT SIDEWALK REPLACEMENT AREA
24+43.00 TO 24+50.00 LT	50.6	AT SIDEWALK REPAIR AREAS
24+75.00 TO 24+82.00 LT	49.8	AT SIDEWALK REPAIR AREAS
24+95.00 TO 25+25.00 LT	276.1	AT SIDEWALK REPAIR AREAS
25+10.00 TO 25+22.00 LT	72.0	AT SIDEWALK REPAIR AREAS
25+30.00 TO 25+39.00 LT	51.6	AT SIDEWALK REPAIR AREAS
25+40.00 TO 25+50.00 LT	48.5	AT SIDEWALK REPAIR AREAS
25+65.00 TO 25+75.00 LT	54.0	AT SIDEWALK REPAIR AREAS
25+76.00 TO 25+86.00 LT	61.3	AT SIDEWALK REPAIR AREAS
26+33.00 TO 26+50.00 LT	117.3	AT SIDEWALK REPAIR AREAS
TOTAL		1108

**60600605 CONCRETE CURB, TYPE B**

LOCATION	FEET	REMARKS
25+50.00 TO 27+70.00 LT	245.0	ALONG PARKING AREA
TOTAL		245

**60603300 GUTTER OUTLET**

LOCATION	EACH	REMARKS
27+50.00 TO 27+80.00 RT	1	AT BUS PARKING AREA
TOTAL		1

**60607400 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.24**

LOCATION	FEET	REMARKS
24+09.00 TO 27+54.00 RT	345.0	AT BUS PARKING AREA
TOTAL		345

**67100100 MOBILIZATION**

LOCATION	L. SUM	REMARKS
ENTIRE JOBSITE	1	
TOTAL		1

**72000100 SIGN PANEL - TYPE 1**

LOCATION	SQ. FT	REMARKS
26+00.00 TO 26+15.00 TO	2.0	33' LT PER D2 CAD STD 44.2
26+15.00 TO	2.0	33' LT PER D2 CAD STD 44.2
TOTAL		4

PLOT DATE = 8/12/05  
FILE NAME = 811E18  
PLOT SCALE = 1"=40'  
REFERENCE = BREF

ILLINOIS DEPARTMENT OF TRANSPORTATION

**SCHEDULE OF QUANTITIES**

REVISIONS	
NAME	DATE

SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY SAM  
CHECKED BY RJA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-SO-M	JO DAVIESS	27	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**72800100 TELESCOPING STEEL SIGN SUPPORT**

LOCATION	FEET	REMARKS
26+06.00 TO 33' LT	12.0	PER D2 CAD STD 44.2
26+23.00 TO 33' LT	12.0	PER D2 CAD STD 44.2
TOTAL		24

**78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS**

LOCATION	SQ FT	REMARKS
26+00.00 TO 15' LT	2.9	HANDICAPPED PARKING SYMBOL
26+15.00 TO 15' LT	2.9	HANDICAPPED PARKING SYMBOL
TOTAL		6

**78000200 THERMOPLASTIC PAVEMENT MARKING, LINE 4"**

LOCATION	FEET	REMARKS
10+00.00 TO 11+00.00 RT	72.5	WHITE EDGE LINE
10+00.00 TO 11+00.00 CL	100.0	YELLOW CENTERLINE
10+00.00 TO 11+00.00 CL	100.0	YELLOW CENTERLINE
10+00.00 TO 11+00.00 LT	131.7	WHITE EDGE LINE
11+00.00 TO 15+00.00 RT	377.0	WHITE EDGE LINE
11+00.00 TO 15+00.00 CL	400.0	YELLOW CENTERLINE
11+00.00 TO 15+00.00 CL	400.0	YELLOW CENTERLINE
11+00.00 TO 15+00.00 LT	400.7	WHITE EDGE LINE
15+00.00 TO 18+39.54 RT	339.5	WHITE EDGE LINE
15+00.00 TO 18+39.54 CL	339.5	YELLOW CENTERLINE
15+00.00 TO 18+39.54 CL	339.5	YELLOW CENTERLINE
15+00.00 TO 18+39.54 LT	339.5	WHITE EDGE LINE
20+00.00 TO 22+00.00 RT	197.6	WHITE EDGE LINE
20+00.00 TO 22+00.00 RT	197.6	YELLOW EDGE LINE
22+00.00 TO 30+07.40 RT	888.0	WHITE EDGE LINE
22+00.00 TO 24+38.50 RL	247.5	YELLOW EDGE LINE
24+48.60 TO 26+01.70 LT	346.0	YELLOW PARKING LINE
26+12.00 TO 26+18.50 LT	105.0	YELLOW PARKING LINE
26+28.80 TO 27+37.50 LT	238.0	YELLOW PARKING LINE
27+39.00 TO 34+00.00 LT	684.0	YELLOW EDGE LINE
30+09.40 TO 30+33.20 RT	52.6	YELLOW PARKING LINE
30+33.20 TO 34+00.00 RT	375.1	WHITE EDGE LINE
34+00.00 TO 36+00.00 RT	200.0	WHITE EDGE LINE
34+00.00 TO 36+00.00 RT	200.0	YELLOW EDGE LINE
TOTAL		7071

**78000600 THERMOPLASTIC PAVEMENT MARKING, LINE 12"**

LOCATION	FEET	REMARKS
20+46.30 TO 21+08.80 RT	12.9	YELLOW GORE STRIPING
TOTAL		13

**78000650 THERMOPLASTIC PAVEMENT MARKING, LINE 24"**

LOCATION	FEET	REMARKS
10+00.00 TO 10+02.00 RT	28.0	WHITE STOP LINE
TOTAL		28

**LR420129 PORTLAND CEMENT CONCRETE PAVEMENT 8" (SPECIAL) WITH INTEGRAL CURB**

LOCATION	SQ FT	REMARKS
30+40.00 RT	10.7	AT DUMPSTER AREA
TOTAL		11

**X0300019 REMOVE AND REINSTALL PARKING BLOCKS**

LOCATION	EACH	REMARKS
30+20.00 28' RT	1	AT REAR PARKING AREA
30+29.00 28' RT	1	AT REAR PARKING AREA
TOTAL		2

**X0301430 PRECAST CONCRETE PARKING BLOCK**

LOCATION	EACH	REMARKS
30+12.00 32' RT	1	AT REAR PARKING AREA
TOTAL		1

**X0321309 CONCRETE PAD**

LOCATION	SQ YD	REMARKS
27+57.00 24' LT	18.8	AT RELOCATED SHELTER
TOTAL		19

**WOODEN GUARDRAIL REPAIR**

LOCATION	L SUM	REMARKS
10+45.00 TO 11+20.00 LT	1	AT REST AREA ENTRANCE
TOTAL		1

**X4400220 CURB REMOVAL AND REPLACEMENT**

LOCATION	FEET	REMARKS
24+09.00 TO 24+12.00 LT	3.0	AT PARKING AREA
24+43.00 TO 24+73.00 LT	30.0	AT PARKING AREA
24+81.00 TO 24+82.00 LT	1.0	AT PARKING AREA
TOTAL		34

**X4420132 CLASS D PATCHES (SPECIAL)**

LOCATION	SQ YD	REMARKS
26+00.00 TO 26+05.00 RT	4.5	CIRCULATORY ROADWAY
29+40.00 TO 29+53.00 RT	18.8	CIRCULATORY ROADWAY
30+69.00 TO 30+93.00 RT	5.3	CIRCULATORY ROADWAY
TOTAL		29

**XX004144 DRINKING FOUNTAIN**

LOCATION	EACH	REMARKS
26+04.00 34' LT	1	AT PARKING AREA
TOTAL		1

**Z0049400 REFUSE CONTAINER AND PAD**

LOCATION	EACH	REMARKS
26+66.00 34' LT	1	AT PARKING AREA
27+45.00 35' LT	1	AT PARKING AREA
TOTAL		2

**XX005896 CONCRETE PAD REMOVAL**

LOCATION	SQ FT	REMARKS
25+70.00 36' LT	171.6	AT PARKING AREA
26+20.00 34' LT	6.3	AT PARKING AREA
26+20.00 34' LT	63.0	AT PARKING AREA
TOTAL		241

**#2001342 DRILLED WATER WELL, COMPLETE**

LOCATION	EACH	REMARKS
24+35.00 70' LT	1	AT PARKING AREA
TOTAL		1

**X7013015 TRAFFIC CONTROL FOR ROAD CLOSURE**

LOCATION	L SUM	REMARKS
ENTIRE JOBSITE	1	
TOTAL		1

**#2001343 REMOVE AND RELOCATE PICNIC TABLE AND SHELTER**

LOCATION	L SUM	REMARKS
25+70.00 TO 27+50.00 24' LT	1	AT PARKING AREA
TOTAL		1

**#2001345 ROOF REPAIR**

LOCATION	L SUM	REMARKS
25+10.00 42' LT	1	ON TOWER
TOTAL		1

**#2001344 REMOVE AND REPLACE PRIVACY FENCE**

LOCATION	L SUM	REMARKS
26+25.00 TO 26+55.00 LT	1	AT REST ROOMS
TOTAL		1

**A2006714 TREE, QUERCUS MACROCARPA (BUR OAK) 1-3/4" CALIPER, B AND B**

LOCATION	EACH	REMARKS
ENTIRE JOBSITE	3.0	LOCATION BY IDOT
TOTAL		3

**A2007114 TREE, QUERCUS RUBRA (RED OAK) 1-3/4" CALIPER, BALLED AND BURLAPPED**

LOCATION	EACH	REMARKS
ENTIRE JOBSITE	3.0	LOCATION BY IDOT
TOTAL		3

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**SCHEDULE OF QUANTITIES**

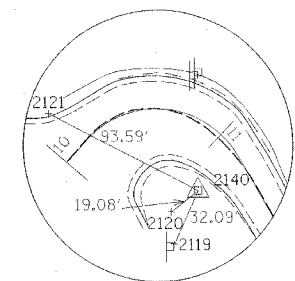
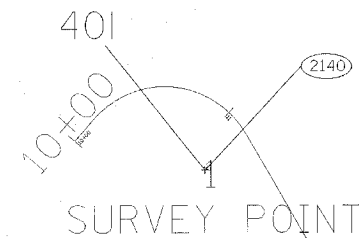
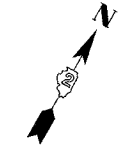
SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_

DRAWN BY SAM  
 CHECKED BY RJA

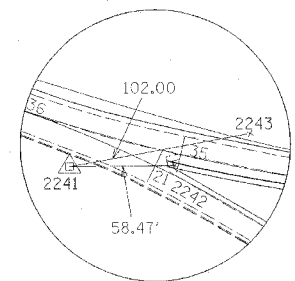
PLOT DATE = F:\Sep 02 11:21:19 2005  
 PLOT NAME = F:\S-28-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-1226-1227-1228-1229-1230-1231-1232-1233-1234-1235-1236-1237-1238-1239-1240-1241-1242-1243-1244-1245-1246-1247-1248-1249-1250-1251-1252-1253-1254-1255-1256-1257-1258-1259-1260-1261-1262-1263-1264-1265-1266-1267-1268-1269-1270-1271-1272-1273-1274-1275-1276-1277-1278-1279-1280-1281-1282-1283-1284-1285-1286-1287-1288-1289-1290-1291-1292-1293-1294-1295-1296-1297-1298-1299-1300-1301-1302-1303-1304-1305-1306-1307-1308-1309-1310-1311-1312-1313-1314-1315-1316-1317-1318-1319-1320-1321-1322-1323-1324-1325-1326-1327-1328-1329-1330-1331-1332-1333-1334-1335-1336-1337-1338-1339-1340-1341-1342-1343-1344-1345-1346-1347-1348-1349-1350-1351-1352-1353-1354-1355-1356-1357-1358-1359-1360-1361-1362-1363-1364-1365-1366-1367-1368-1369-1370-1371-1372-1373-1374-1375-1376-1377-1378-1379-1380-1381-1382-1383-1384-1385-1386-1387-1388-1389-139

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-SO-M	JO DAVIESS	27	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

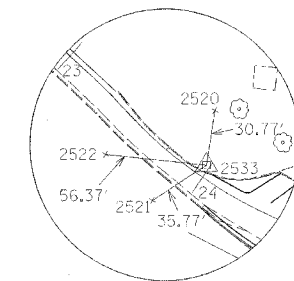
# EXISTING HORIZONTAL AND VERTICAL CONTROL



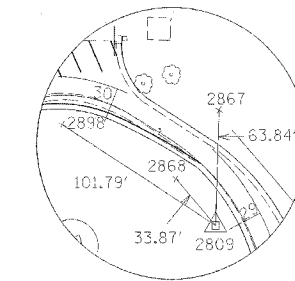
HORIZONTAL CONTROL POINT NO. 2140



HORIZONTAL CONTROL POINT NO. 2241



HORIZONTAL CONTROL POINT NO. 2533



HORIZONTAL CONTROL POINT NO. 2809

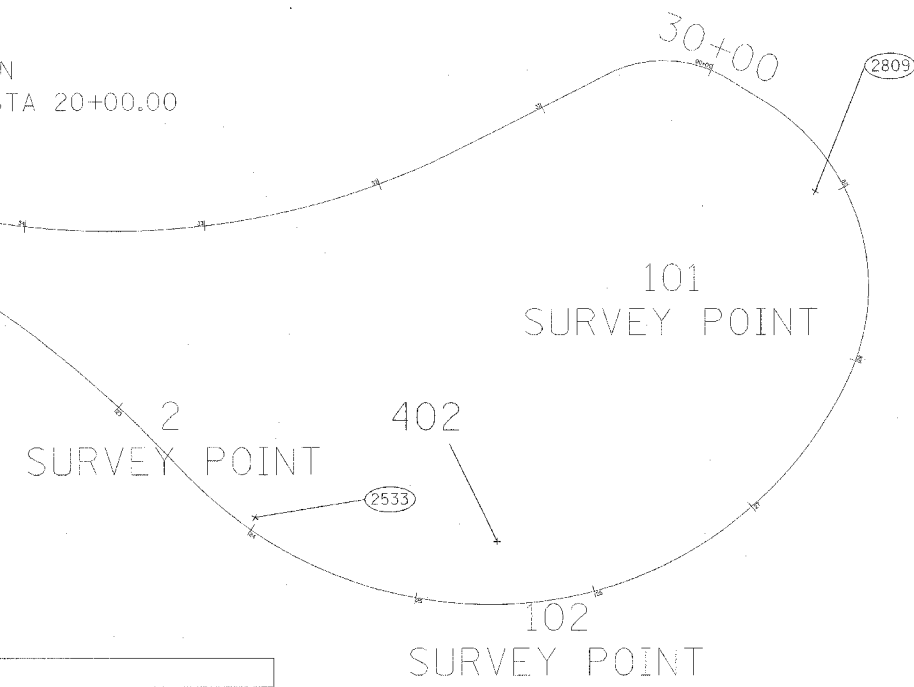
REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
2119	OUTLOOKDR	11+40.08	32.09' RT	SIGN
2120	OUTLOOKDR	11+23.94	19.08' RT	SIGN
2121	OUTLOOKDR	10+13.76	93.59' LT	SIGN
2242	LOOP	21+10.06	58.47' LT	SIGN
2243	LOOP	34+64.01	102.00' LT	SIGN
2520	LOOP	23+82.42	30.77' LT	TREE/SHRUB
2521	LOOP	23+87.36	35.77' RT	TREE/SHRUB
2522	LOOP	23+53.02	56.37' RT	TREE/SHRUB
2867	LOOP	29+50.56	63.84' RT	TREE/SHRUB
2868	LOOP	29+44.74	33.87' LT	TREE/SHRUB
2898	LOOP	30+27.78	101.79' LT	LIGHT POLE

HORIZONTAL CONTROL POINTS							
POINT	NORTHING	EASTING	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
2140	2064557.0820	2266994.9480	991.1200	OUTLOOKDR	11+21.21	28.7968 RT	LIGHT POLE
2241	2064071.9260	2267593.8540	974.3900	LOOP	20+56.59	19.889 RT	LIGHT POLE
2533	2063899.1600	2267881.5300	992.2400	LOOP	23+98.18	6.7235 LT	SIGN
2809	2064079.9700	2268192.9800	977.5100	LOOP	29+05.80	15.0083 LT	MANHOLE

BENCH MARKS							
POINT	NORTHING	EASTING	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
401	2064556.4810	2266994.2380	991.0227	OUTLOOKDR	11+21.38	29.7119 RT	CHISELED SQUARE (POLE FOUNDATION)
402	2063885.7100	2268016.1600	993.4335	LOOP	25+46.36	35.2175 LT	CHISELED SQUARE (POLE FOUNDATION)

MAIN CONTROL POINTS							
POINT	NORTHING	EASTING	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	2064541.8665	2266997.5868	990.4067	OUTLOOKDR	11+35.72	34.0922 RT	PIN & CAP SE OF LIGHT POLE AT ENTRANCE OF LOOKOUT TOWER
2	2063942.9014	2267834.7668	988.9565	LOOP	23+32.77	7.7559 LT	PIN & CAP NORTH OF WEST END OF C&G ON NORTH SIDE OF PAVED DRIVE
101	2064019.5900	2268111.1600	989.0436	LOOP	27+82.67	108.9138 LT	SURVEY POINT
102	2063830.8200	2268047.1500	990.8811	LOOP	25+73.53	22.1526 RT	SURVEY POINT

STATION EQUATION  
 $STA\ 18+29.54 = STA\ 20+00.00$



PLOT DATE = 08/15/05  
 FILE NAME = 081505  
 PLOT SCALE = 1"=40'  
 REFERENCE = BREF

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING HORIZONTAL AND VERTICAL CONTROL

SCALE: VERT. 1"=40'  
 HORIZ. 1"=40'

DATE: 8/15/05

DRAWN BY: SAM  
 CHECKED BY: RJA



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-50-M	JO DAVIESS	27	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

# EXISTING HORIZONTAL AND VERTICAL CONTROL

Chain LOOP contains:  
8 CUR 220 CUR 230 CUR 240 CUR 250 CUR 260 CUR 270 CUR 280

Beginning chain LOOP description  
=====

Point 8 N 2,064,110.0512 E 2,267,548.4147 Sta 20+00.00

Course from 8 to PC 220 S 70° 30' 21.0612" E Dist 21.0237

Curve Data  
\*-----\*

Curve 220  
P.I. Station 21+88.30 N 2,064,047.2123 E 2,267,725.9240  
Delta = 27° 09' 39.3107" (RT)  
Degree = 8° 16' 26.1495"  
Tangent = 167.2799  
Length = 328.2711  
Radius = 692.4856  
External = 19.9180  
Long Chord = 325.2060  
Mid. Ord. = 19.3611  
P.C. Station 20+21.02 N 2,064,103.0354 E 2,267,568.2332  
P.T. Station 23+49.29 N 2,063,925.5605 E 2,267,840.7430  
C.C. N 2,063,450.2461 E 2,267,337.1434  
Back = S 70° 30' 21.0612" E  
Ahead = S 43° 20' 41.7505" E  
Chord Bear = S 56° 55' 31.4059" E

Curve Data  
\*-----\*

Curve 230  
P.I. Station 24+30.72 N 2,063,866.3434 E 2,267,896.6342  
Delta = 37° 26' 06.4770" (LT)  
Degree = 23° 50' 27.3172"  
Tangent = 81.4278  
Length = 157.0205  
Radius = 240.3254  
External = 13.4201  
Long Chord = 154.2424  
Mid. Ord. = 12.7103  
P.C. Station 23+49.29 N 2,063,925.5605 E 2,267,840.7430  
P.T. Station 25+06.32 N 2,063,853.2967 E 2,267,977.0099  
C.C. N 2,064,090.5172 E 2,268,015.5160  
Back = S 43° 20' 41.7505" E  
Ahead = S 80° 46' 48.2275" E  
Chord Bear = S 62° 03' 44.9890" E

Curve Data  
\*-----\*

Curve 240  
P.I. Station 26+69.32 N 2,063,827.1800 E 2,268,137.9046  
Delta = 73° 01' 27.3531" (LT)  
Degree = 26° 01' 17.9536"  
Tangent = 163.0005  
Length = 280.6288  
Radius = 220.1850  
External = 53.7686  
Long Chord = 262.0171  
Mid. Ord. = 43.2155  
P.C. Station 25+06.32 N 2,063,853.2967 E 2,267,977.0099  
P.T. Station 27+86.94 N 2,063,973.4390 E 2,268,209.8592  
C.C. N 2,064,070.6370 E 2,268,012.2890  
Back = S 80° 46' 48.2275" E  
Ahead = N 26° 11' 44.4194" E  
Chord Bear = N 62° 42' 28.0960" E

Curve Data  
\*-----\*

Curve 250  
P.I. Station 28+97.04 N 2,064,072.2299 E 2,268,258.4611  
Delta = 84° 37' 28.6558" (LT)  
Degree = 47° 22' 24.3768"  
Tangent = 110.0990  
Length = 178.6331  
Radius = 120.9449

External = 42.6077  
Long Chord = 162.8334  
Mid. Ord. = 31.5078  
P.C. Station 27+86.94 N 2,063,973.4390 E 2,268,209.8592  
P.T. Station 29+65.58 N 2,064,129.8728 E 2,268,164.6577  
C.C. N 2,064,026.8287 E 2,268,101.3363  
Back = N 26° 11' 44.4194" E  
Ahead = N 58° 25' 44.2364" W  
Chord Bear = N 16° 06' 59.9085" W

Course from PT 250 to PC 260 N 58° 25' 44.2363" W Dist 23.0551

Curve Data  
\*-----\*

Curve 260  
P.I. Station 30+27.45 N 2,064,162.2640 E 2,268,111.9467  
Delta = 58° 14' 33.8435" (LT)  
Degree = 82° 14' 12.4951"  
Tangent = 38.8128  
Length = 70.8232  
Radius = 69.6717  
External = 10.0815  
Long Chord = 67.8130  
Mid. Ord. = 8.8071  
P.C. Station 29+88.63 N 2,064,141.9434 E 2,268,145.0149  
P.T. Station 30+59.46 N 2,064,144.8419 E 2,268,077.2638  
C.C. N 2,064,082.5837 E 2,268,108.5379  
Back = N 58° 25' 44.2364" W  
Ahead = S 63° 19' 41.9201" W  
Chord Bear = N 87° 33' 01.1581" W

Course from PT 260 to PC 270 S 63° 19' 41.9201" W Dist 90.4679

Curve Data  
\*-----\*

Curve 270  
P.I. Station 32+84.42 N 2,064,043.8617 E 2,267,876.2398  
Delta = 34° 38' 13.0262" (RT)  
Degree = 13° 17' 01.8577"  
Tangent = 134.4935  
Length = 260.7448  
Radius = 431.3191  
External = 20.4825  
Long Chord = 256.7925  
Mid. Ord. = 19.5539  
P.C. Station 31+49.92 N 2,064,104.2328 E 2,267,996.4223  
P.T. Station 34+10.67 N 2,064,062.4988 E 2,267,743.0438  
C.C. N 2,064,489.6567 E 2,267,802.8129  
Back = S 63° 19' 41.9201" W  
Ahead = N 82° 02' 05.0536" W  
Chord Bear = S 80° 38' 48.4332" W

Curve Data  
\*-----\*

Curve 280  
P.I. Station 35+11.35 N 2,064,076.4512 E 2,267,643.3291  
Delta = 11° 31' 43.9924" (RT)  
Degree = 5° 44' 40.4043"  
Tangent = 100.6861  
Length = 200.6924  
Radius = 997.3925  
External = 5.0692  
Long Chord = 200.3540  
Mid. Ord. = 5.0436  
P.C. Station 34+10.67 N 2,064,062.4988 E 2,267,743.0438  
P.T. Station 36+11.36 N 2,064,110.0512 E 2,267,548.4147  
C.C. N 2,065,050.2688 E 2,267,881.2552  
Back = N 82° 02' 05.0536" W  
Ahead = N 70° 30' 21.0612" W  
Chord Bear = N 76° 16' 13.0574" W

Ending chain LOOP description  
=====

Chain OUTLOOKDR contains:  
2117 CUR 200 CUR 210 7

Beginning chain OUTLOOKDR description  
=====

Point 2117 N 2,064,572.7810 E 2,266,921.7460 Sta 10+00.00

Course from 2117 to PC 200 N 41° 03' 48.0321" E Dist 15.7462

Curve Data  
\*-----\*

Curve 200  
P.I. Station 10+89.32 N 2,064,640.1301 E 2,266,980.4225  
Delta = 109° 02' 36.9678" (RT)  
Degree = 109° 15' 30.5775"  
Tangent = 73.5782  
Length = 99.8033  
Radius = 52.4406  
External = 37.9130  
Long Chord = 85.4085  
Mid. Ord. = 22.0044  
P.C. Station 10+15.75 N 2,064,584.6534 E 2,266,932.0896  
P.T. Station 11+15.55 N 2,064,576.3410 E 2,267,017.0926  
C.C. N 2,064,550.2055 E 2,266,971.6289  
Back = N 41° 03' 48.0321" E  
Ahead = S 29° 53' 35.0001" E  
Chord Bear = S 84° 24' 53.4840" E

Course from PT 200 to PC 210 S 29° 53' 35.0001" E Dist 53.3152

Curve Data  
\*-----\*

Curve 210  
P.I. Station 15+18.43 N 2,064,227.0614 E 2,267,217.8810  
Delta = 40° 36' 46.0611" (LT)  
Degree = 6° 03' 54.5428"  
Tangent = 349.5647  
Length = 669.6090  
Radius = 944.6720  
External = 62.6019  
Long Chord = 655.6786  
Mid. Ord. = 58.7112  
P.C. Station 11+68.86 N 2,064,530.1190 E 2,267,043.6640  
P.T. Station 18+38.47 N 2,064,110.4079 E 2,267,547.4071  
C.C. N 2,065,000.9271 E 2,267,862.6541  
Back = S 29° 53' 35.0001" E  
Ahead = S 70° 30' 21.0612" E  
Chord Bear = S 50° 11' 58.0307" E

Course from PT 210 to 7 S 70° 30' 21.0612" E Dist 1.0689

Point 7 N 2,064,110.0512 E 2,267,548.4147 Sta 18+39.54

Ending chain OUTLOOKDR description  
=====

CURVE	PI	CC	PC	PT
200	200	201	202	203
210	210	211	212	213
220	220	221	222	223
230	230	231	232	233
240	240	241	242	243
250	250	251	252	253
260	260	261	262	263
270	270	271	272	273
280	280	281	282	283

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING HORIZONTAL AND VERTICAL CONTROL

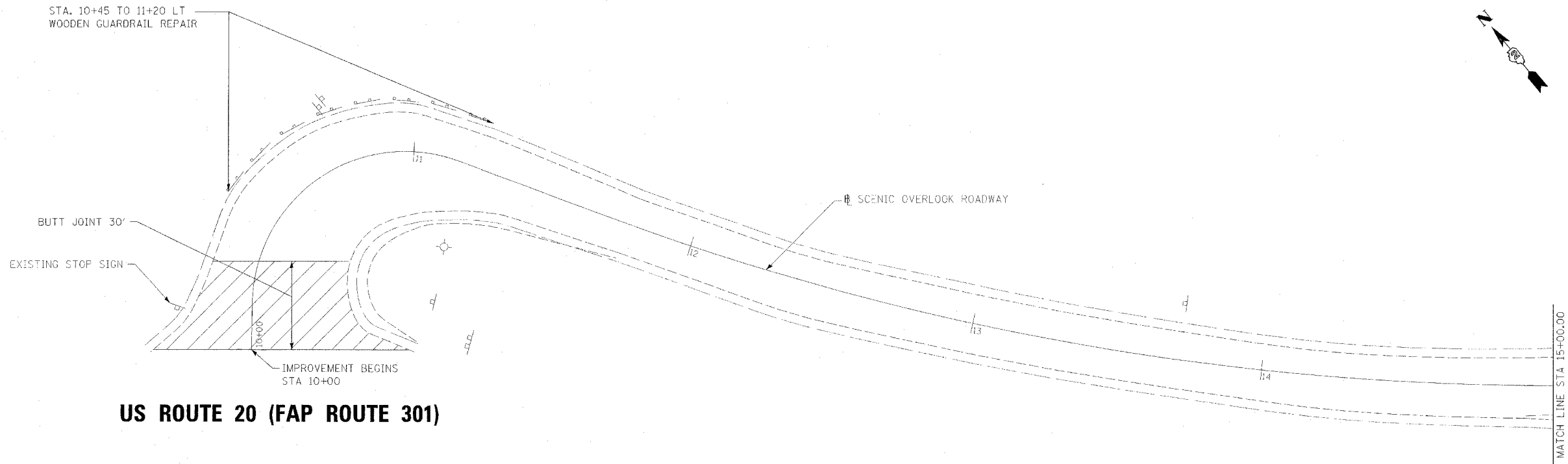
SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_

DRAWN BY SAM  
CHECKED BY RJA

PLOT DATE = 8/12/2005  
FILE NAME = 28-50-M  
PLOT SCALE = 1"=40'  
REFERENCE = REF

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-SO-M	JO DAVIESS	27	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

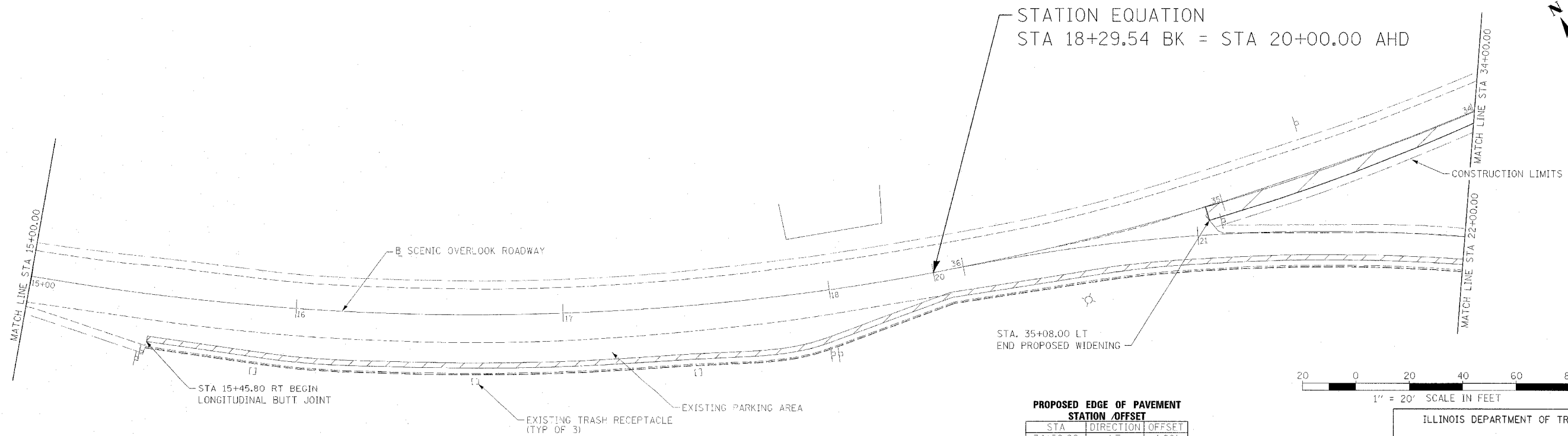


**US ROUTE 20 (FAP ROUTE 301)**

**LEGEND**



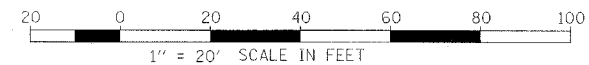
BUTT JOINT



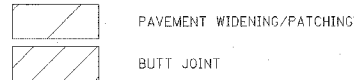
STATION EQUATION  
STA 18+29.54 BK = STA 20+00.00 AHD

**PROPOSED EDGE OF PAVEMENT STATION/OFFSET**

STA	DIRECTION	OFFSET
34+50.00	LT	4.80'
35+00.00	LT	5.16'
35+08.00	LT	5.16'



**LEGEND**



PAVEMENT WIDENING/PATCHING

BUTT JOINT

**REVISIONS**

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**SCENIC OVERLOOK  
PLAN SHEET 1**

SCALE: VERT. 1" = 20'  
HORIZ. 1" = 20'

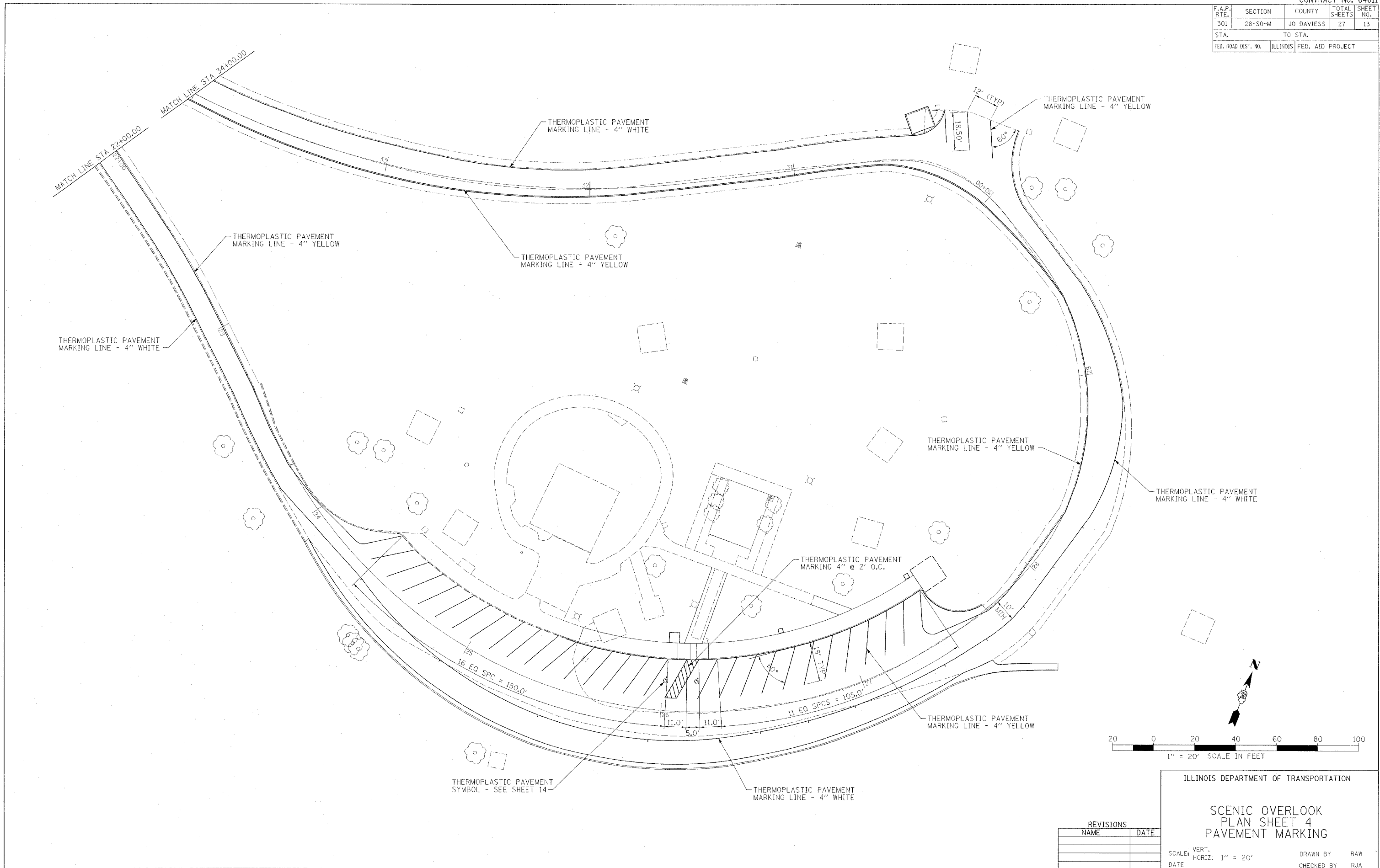
DRAWN BY SAM  
CHECKED BY RJA

PLOT DATE = #DATE#  
FILE NAME = #FILE#  
PLOT SCALE = #SCALE#  
REFERENCE = #REF#





F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-50-M	JO DAVIES	27	13
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = #DATE#  
 PLOT SCALE = #SCALE#  
 REFERENCE = #REF#

REVISIONS	
NAME	DATE

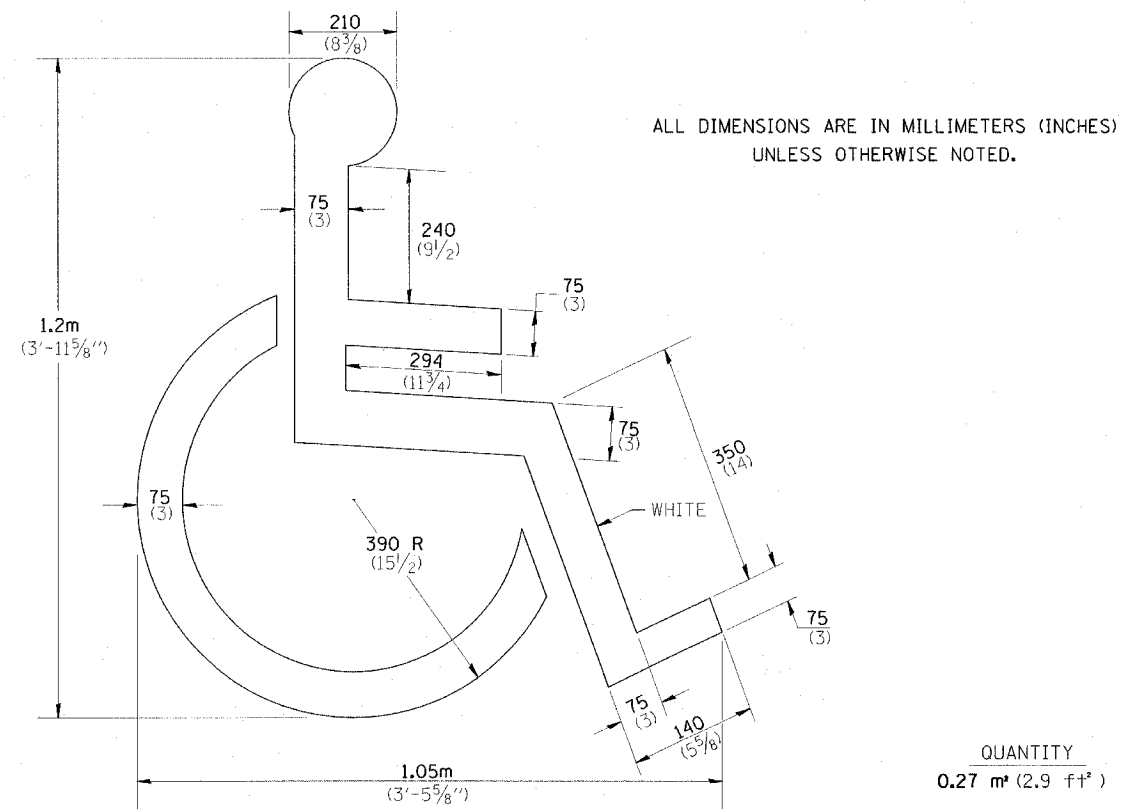
ILLINOIS DEPARTMENT OF TRANSPORTATION

**SCENIC OVERLOOK  
 PLAN SHEET 4  
 PAVEMENT MARKING**

SCALE: VERT. 1" = 20'  
 HORIZ. 1" = 20'

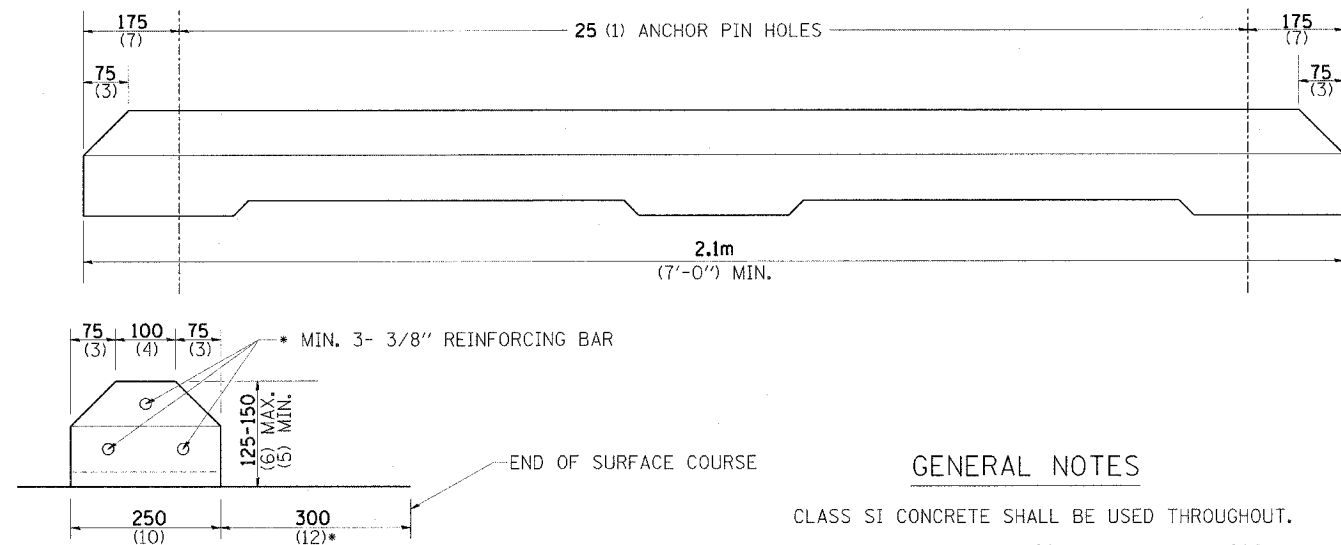
DATE:                      DRAWN BY: RAW  
 CHECKED BY: RJA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-50-M	JO DAVIESS	27	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**DISABLED SYMBOL**

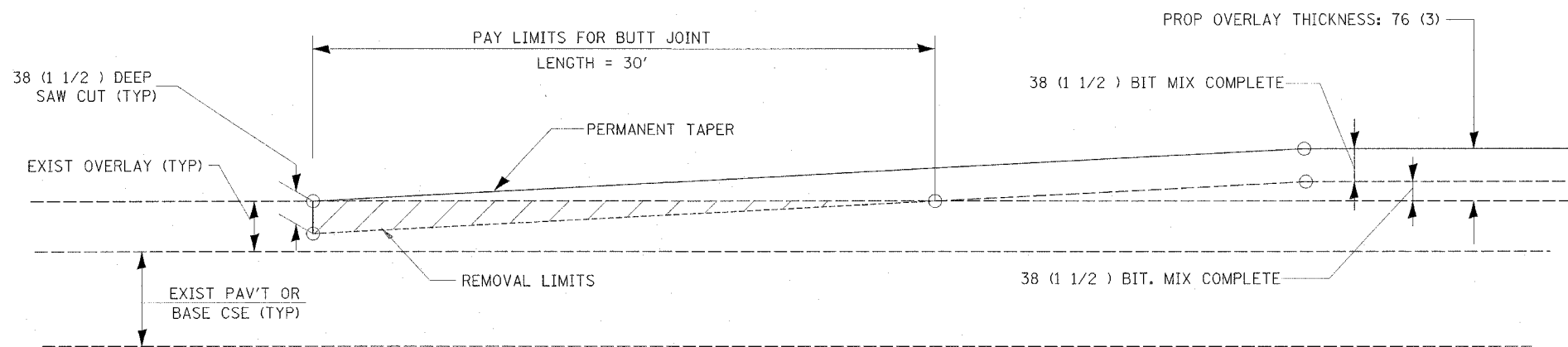
QUANTITY  
0.27 m<sup>2</sup> (2.9 ft<sup>2</sup>)



**PARKING BLOCKS**

**GENERAL NOTES**

- CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
- ANCHOR PINS SHALL BE 20 (3/4) DIAMETER, 900 (36) LONG.
- THE COST OF THE MATERIAL, LABOR AND EQUIPMENT NECESSARY TO INSTALL THE PARKING BLOCKS WITH ANCHOR PINS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR PARKING BLOCKS.
- ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.



**BUTT JOINT DETAIL**

**GENERAL NOTES**

- THE WORK SHALL BE DONE IN ACCORDANCE WITH ARTICLE 406.18
- THE SAW CUT JOINTS SHALL BE PRIMED JUST PRIOR TO THE PLACING OF BITUMINOUS MATERIAL. THE WORK WILL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF ARTICLE 406.06.

PLOT DATE = #DTE#  
FILE NAME = #FILE#  
PLOT SCALE = #SCALE#  
REFERENCE = #REF#

ILLINOIS DEPARTMENT OF TRANSPORTATION

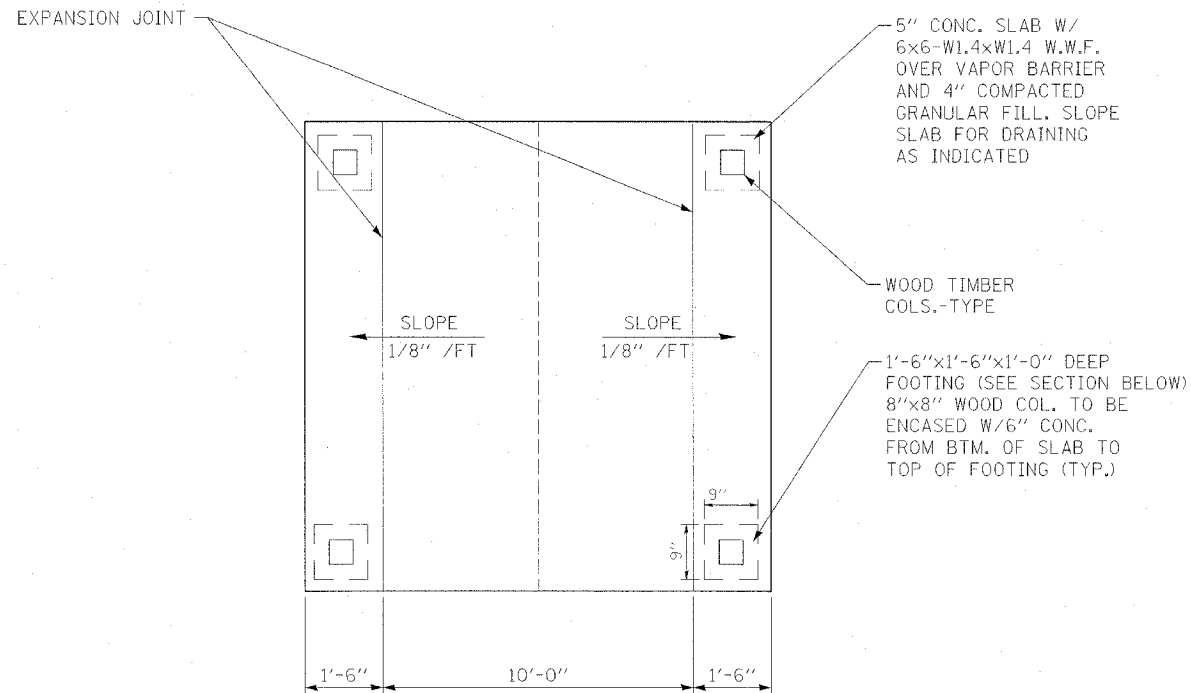
**CONSTRUCTION DETAILS**

REVISIONS	
NAME	DATE

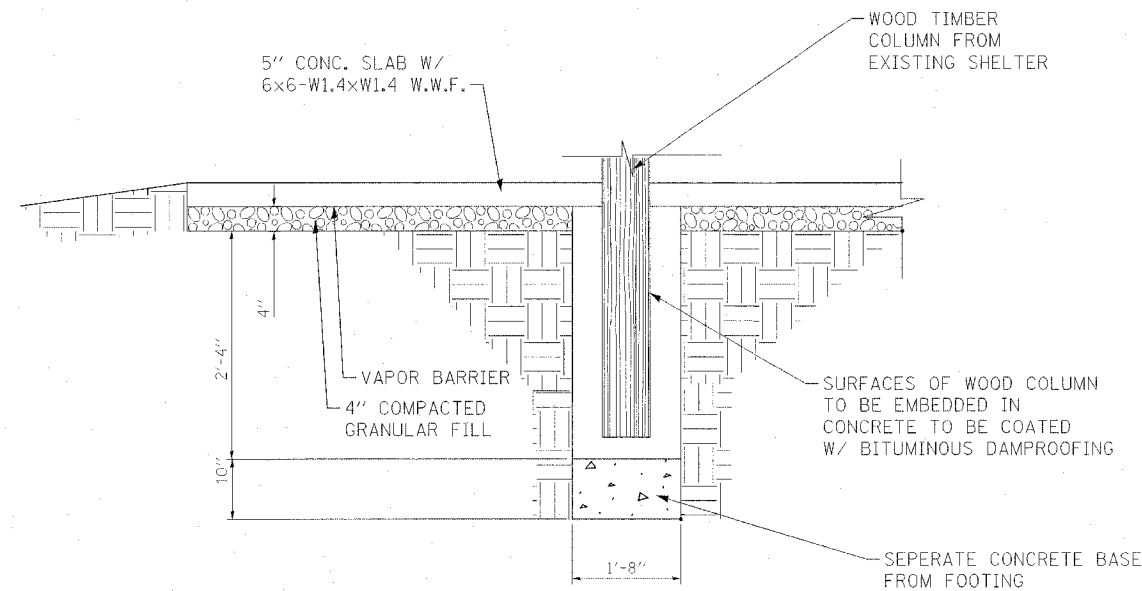
SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY  
CHECKED BY RJA

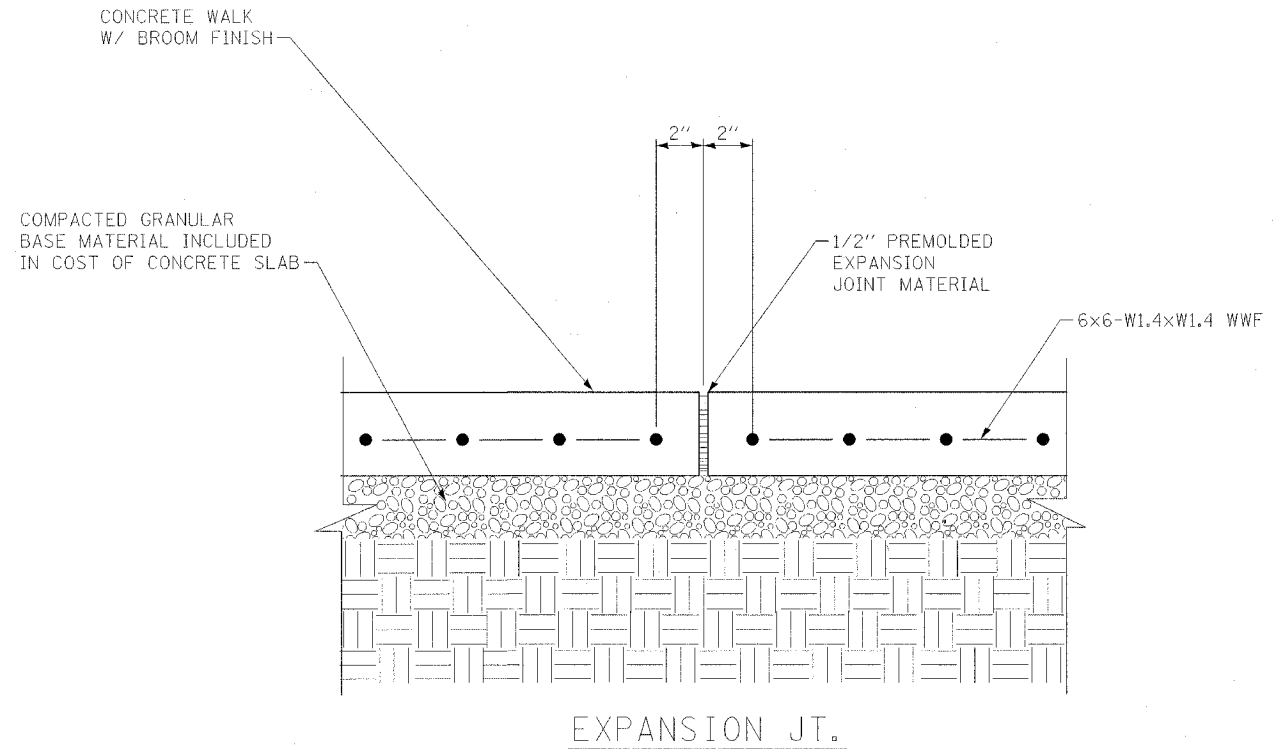
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-SO-M	JO DAVIESS	27	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**CONCRETE SLAB /FOUNDATION PLAN AT PICNIC TABLE SHELTER**



**CONCRETE SLAB SECTION AT PICNIC TABLE SHELTER**



**CONCRETE SLAB DETAIL AT PICNIC TABLE SHELTER**

NOT TO SCALE

ILLINOIS DEPARTMENT OF TRANSPORTATION

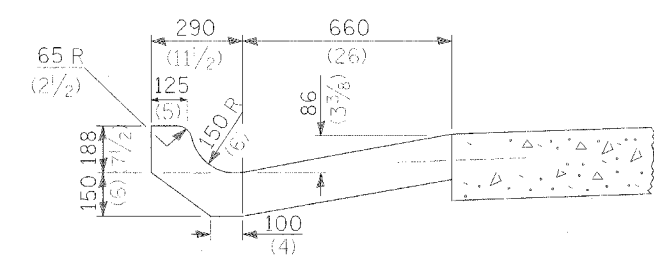
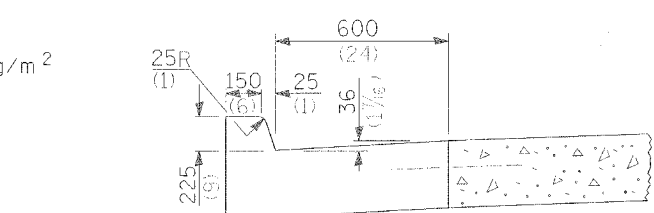
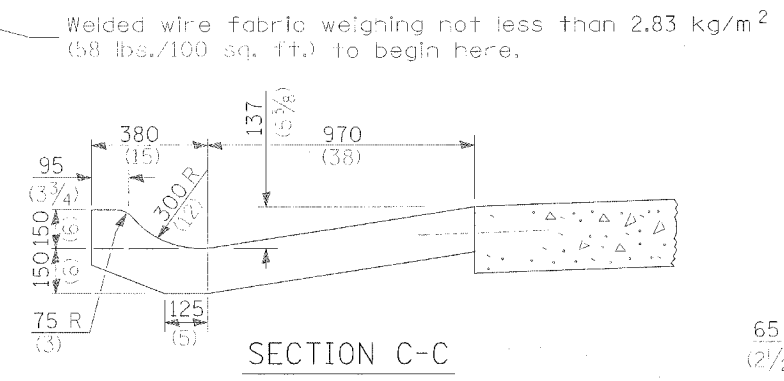
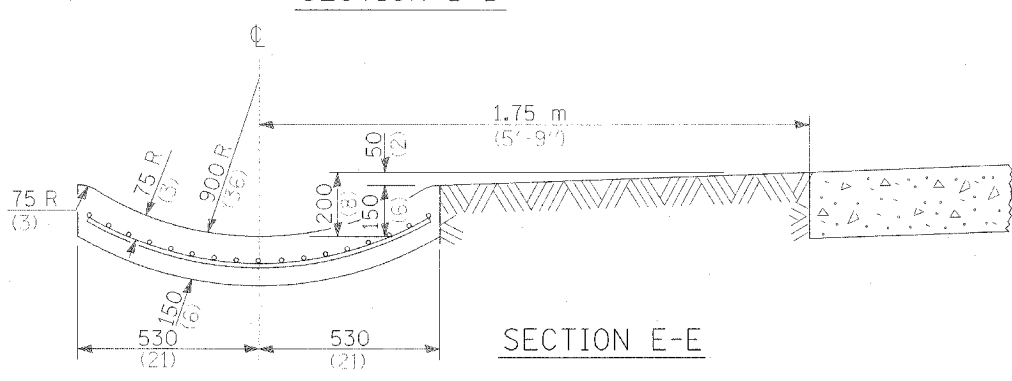
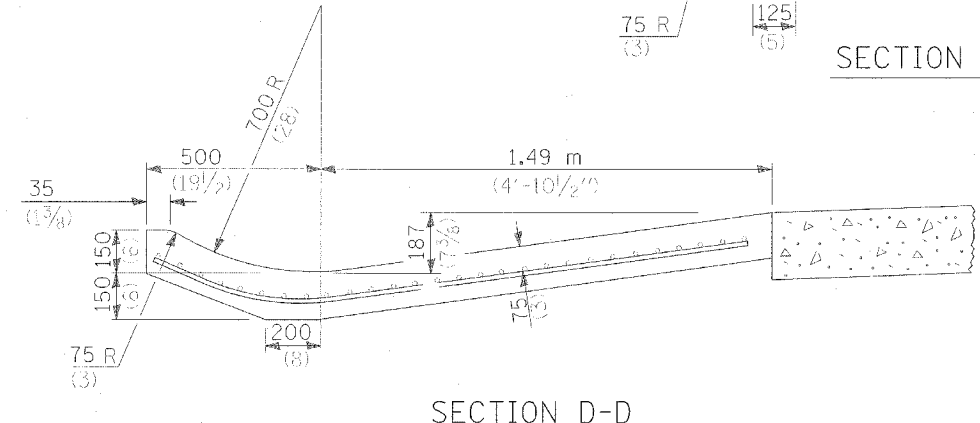
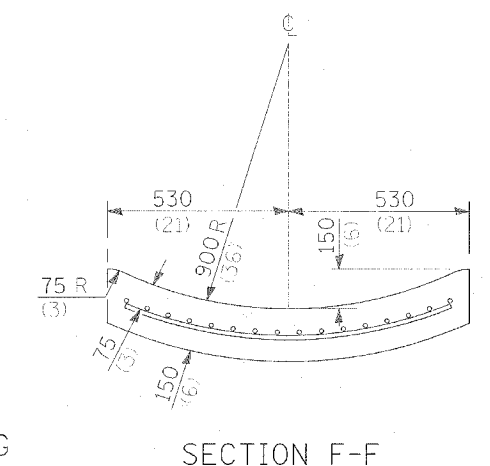
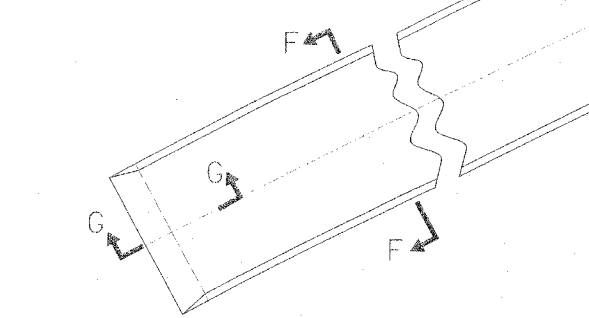
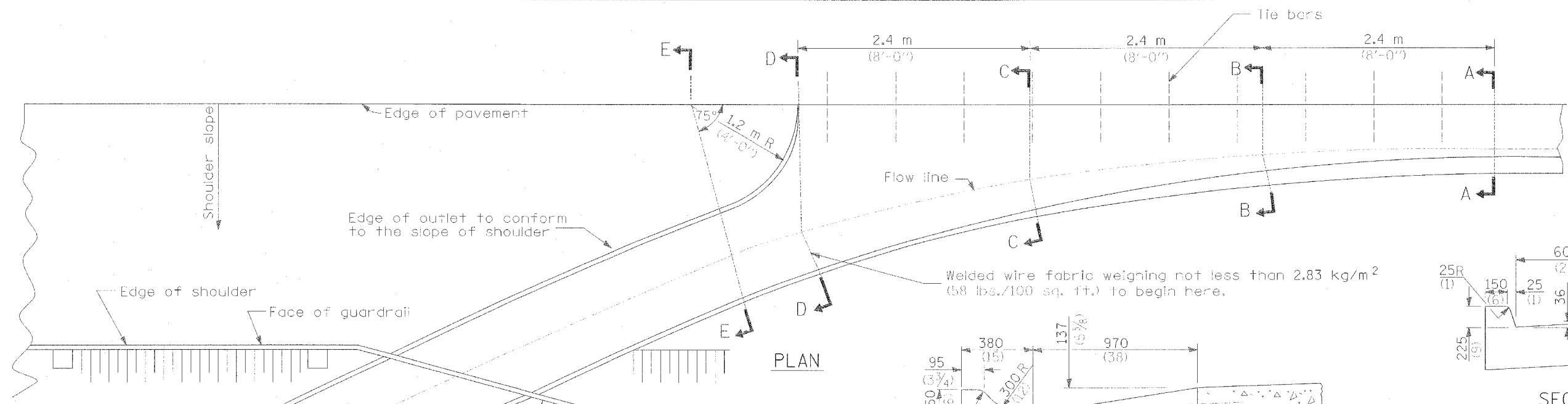
CONSTRUCTION DETAILS

REVISIONS	
NAME	DATE

SCALE: VERT. HORIZ. DATE

DRAWN BY JEA CHECKED BY RJA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-SO-M	JO DAVIESS	27	16
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



Welded wire fabric weighing not less than 2.83 kg/m<sup>2</sup> (58 lbs./100 sq. ft.) to begin here,

SECTION A-A

SECTION B-B

PLAN

SECTION C-C

SECTION D-D

SECTION E-E

GENERAL NOTES

- Tie bars shall be No. 20 (No. 6) at 600 mm (24") centers unless otherwise shown.
- Gutter outlet shall be tied to the pavement in accordance with details for longitudinal construction joint shown on Standard 420001.
- If the average grade of pavement for the distance from Section A-A to D-D exceeds 2%, this distance shall be increased 1.8 m (6 feet) for each 1% increase in grade.
- All dimensions are in millimeters (inches) unless otherwise shown.

QUANTITIES

- For Section A-A to E-E and curtain wall =
  - 1.82 m<sup>3</sup> (2.38 cu. yds.) concrete for (225 (9) pav/t.)
  - 1.84 m<sup>3</sup> (2.41 cu. yds.) concrete for (250 (10) pav/t.)
- For Section F-F =
  - .17 m<sup>3</sup> (0.069 cu. yds.) concrete per m (ft.)

OUTLETS FOR CONC. CURB AND GUTTER TYPE B-9.24

ILLINOIS DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

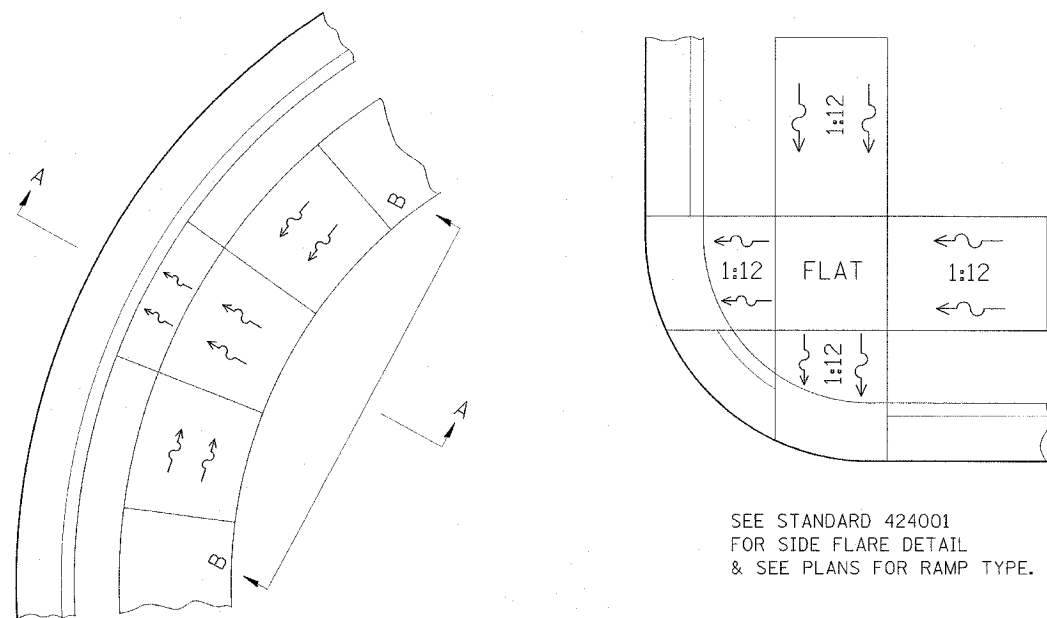
REVISIONS	
NAME	DATE

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_  
 DRAWN BY SAM  
 CHECKED BY RJA

PLOT DATE = 8/12/2006  
 FILE NAME = REFLETS  
 PLOT SCALE = 1:1  
 REFERENCE = REF

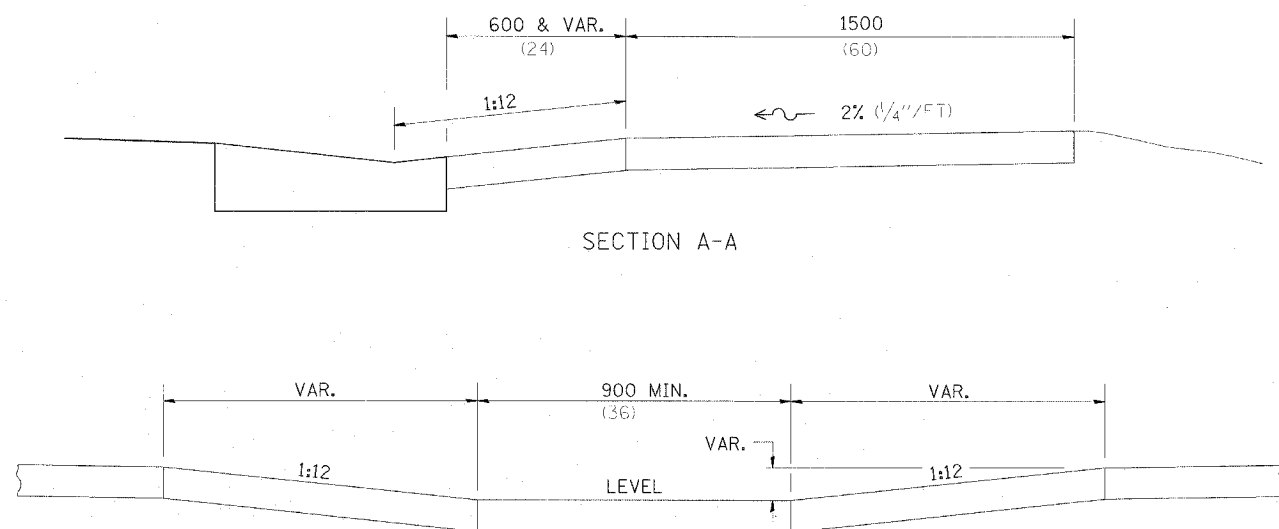


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-50-M	JO DAVIESS	27	17
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SEE STANDARD 424001 FOR SIDE FLARE DETAIL & SEE PLANS FOR RAMP TYPE.

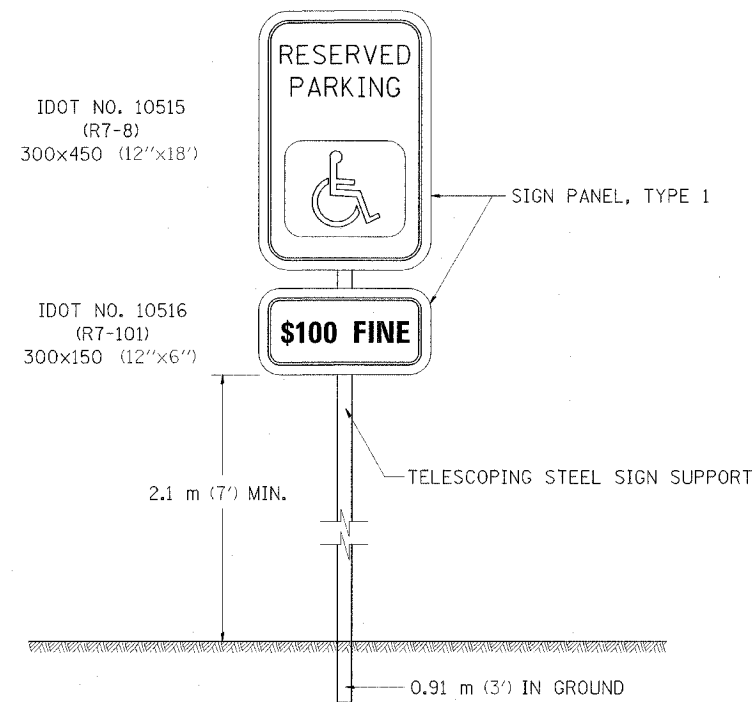
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.



SECTION B-B

NOTES : THIS DETAIL TO BE USED IN CONJUNCTION WITH STATE STANDARD 424001. THE MAXIMUM ALLOWABLE CROSS SLOPE FOR SIDEWALK IS 2% (1/4"/FT). THE MAXIMUM ALLOWABLE SIDEWALK GRADE IS 8% (1/2"/FT). IF SPACE LIMITATIONS PROHIBIT THE USE OF THE 1:12 SLOPE, THEN SLOPES BETWEEN 1:10 ARE 1:12 ARE PERMITTED FOR A MAXIMUM RISE OF 150 (6). SLOPES 1:8 AND 1:10 ARE ALLOWED FOR A MAXIMUM RISE OF 75 (3). SLOPES STEEPER THAN 1:8 ARE NOT PERMITTED. THE DEPRESSED CURB IS NOT STANDARD. THE RISE IS 13 (1/2) INSTEAD OF 40 (1 1/2).

### DISABLED RAMP DETAIL



IDOT NO. 10515 (R7-8) 300x450 (12"x18")

IDOT NO. 10516 (R7-101) 300x150 (12"x6")

SIGN PANEL, TYPE 1

TELESCOPING STEEL SIGN SUPPORT

0.91 m (3') IN GROUND

### RESERVED PARKING SIGN DETAIL

**NOTES**

THE SIGN PANEL AND SIGN SUPPORT SHALL BE PLACED AT EACH DISABLED PARKING STALL. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE METER (SQUARE FOOT) FOR SIGN PANEL, TYPE 1 AND PER METER (FOOT) FOR TELESCOPING STEEL SIGN SUPPORT.

**QUANTITIES**

3.6 m (12 FT) OF SIGN SUPPORT AND 0.2 m<sup>2</sup> (2 SQ FT) OF SIGN PANEL IS REQUIRED AT EACH LOCATION.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED

PLOT DATE = #DATE#  
 PLOT SCALE = #SCALE#  
 REFERENCE = #REF#

ILLINOIS DEPARTMENT OF TRANSPORTATION

### CONSTRUCTION DETAILS

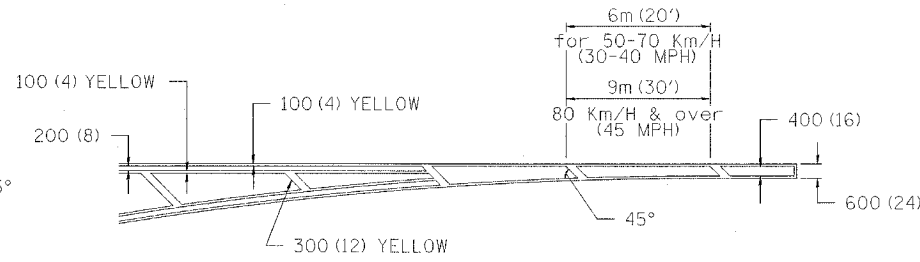
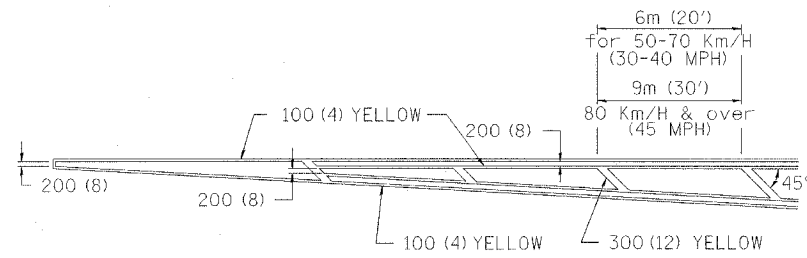
REVISIONS	
NAME	DATE

SCALE: VERT. / HORIZ.  
 DATE

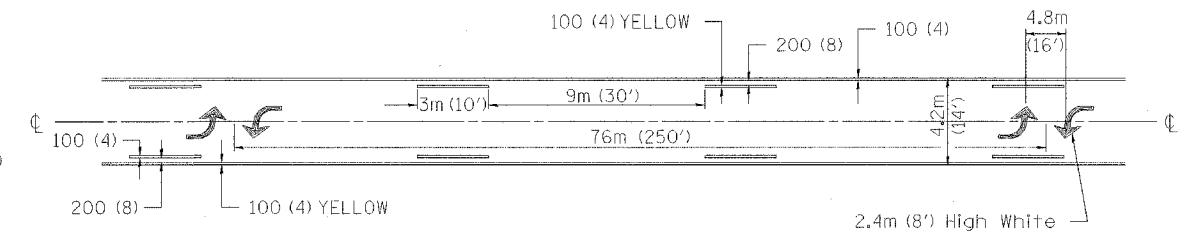
DRAWN BY  
 CHECKED BY RJA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-S0-M	JO DAVIESS	27	18
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

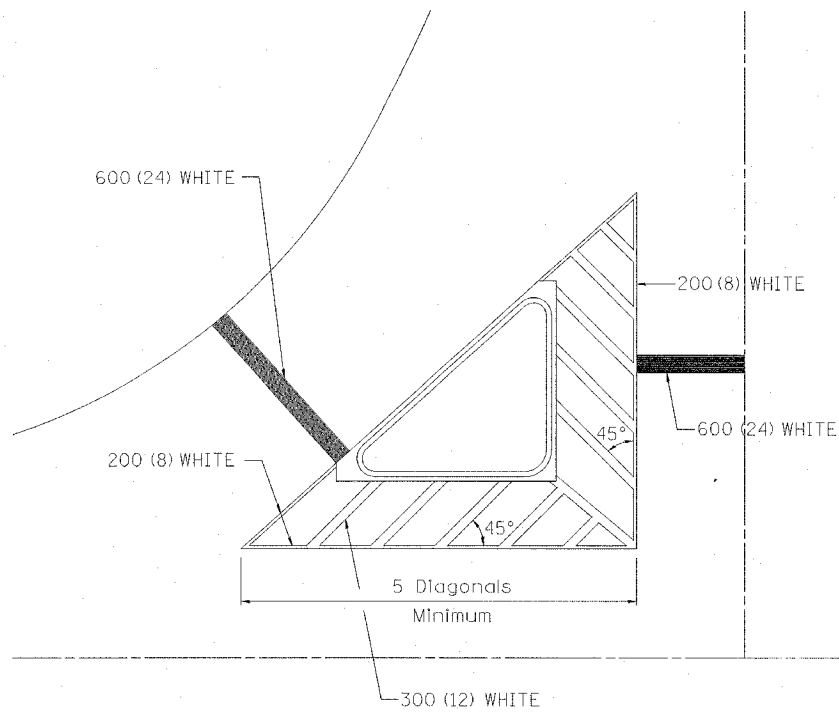
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



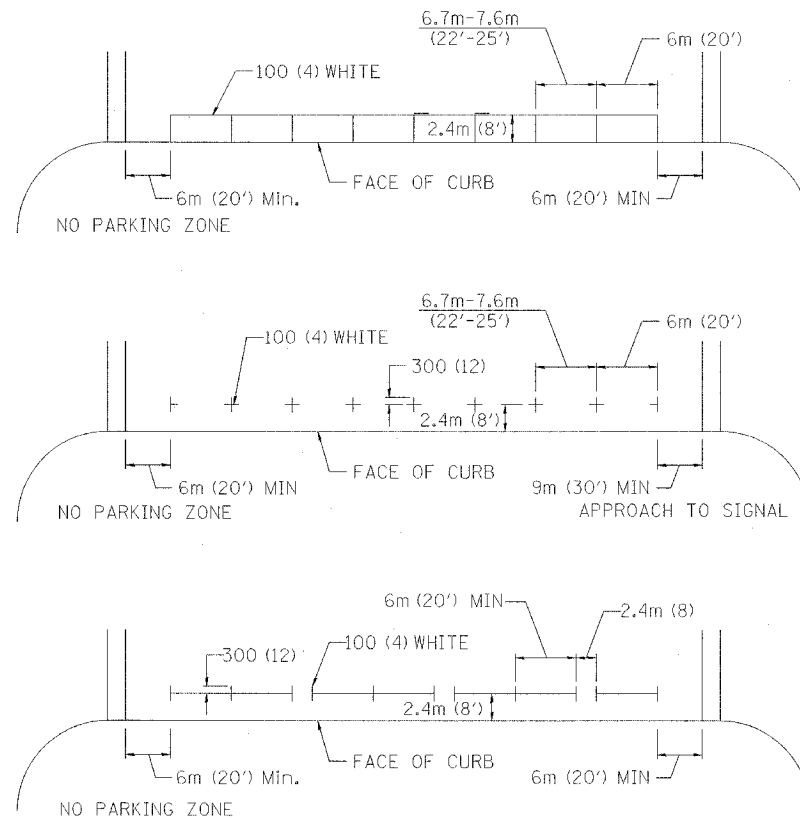
MEDIAN PAVEMENT MARKING



TYPICAL ISLAND OFFSET SHOULDER WIDTH

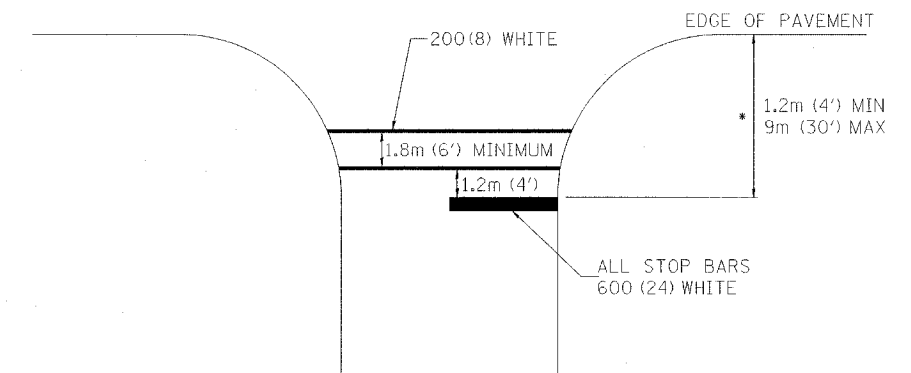


TYPICAL PARKING SPACING



\*\* ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

STANDARD CROSSWALK MARKING  
SEE PLANS FOR LOCATIONS



\* DISTANCE TO THE NEAREST EDGE OF THE INTERSECTING ROADWAY IN THE ABSENCE OF MARKED CROSSWALK.

TYPICAL PAVEMENT MARKINGS

PLOT DATE = 8/12/05  
FILE NAME = 28-S0-M  
PLOT SCALE = AS SHOWN  
REFERENCE = 28-S0-M

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

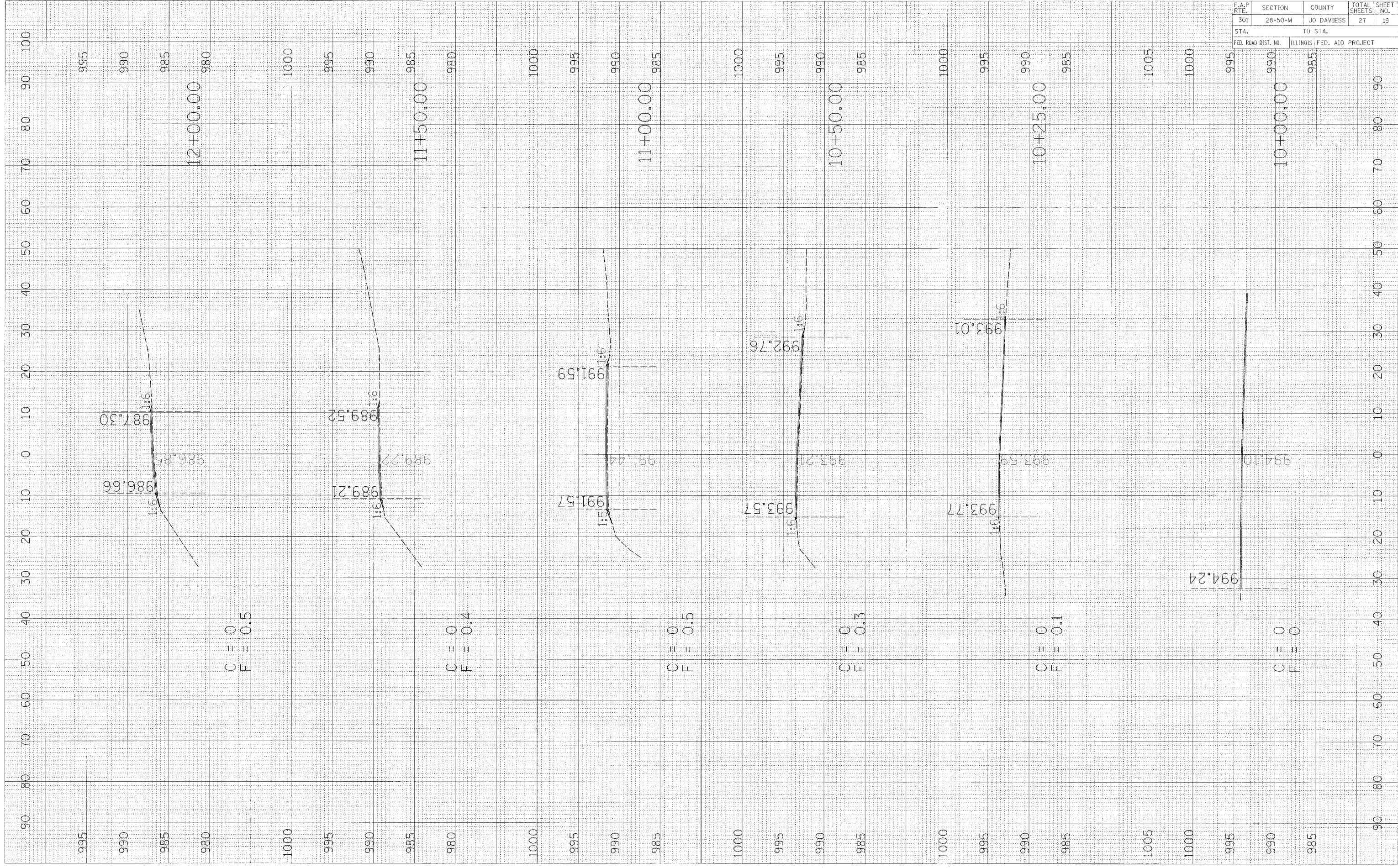
SCALE: VERT. DATE  
HORIZ. CHECKED BY  
DRAWN BY  
RJA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-50-M	JO DAVIESS	27	19
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

ORIGINAL SURVEY	COMPUTED PLOTTED	BY	DATE
NOTE BOOK	FLMP/AT		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	COMPUTED PLOTTED	BY	DATE
NOTE BOOK	FLMP/AT		
NO.	AREAS CHECKED		

PLOT DATE = 8/24/05  
 FILE NAME = 07FILEL1  
 PLOT SCALE = 8/SCALE1  
 REFERENCE = 07REF1



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-50-M	JO DAVIESS	27	20
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY

NO. 1

DATE

BY

APPROVED

DATE

BY

ORIGINAL SURVEY

NO. 1

DATE

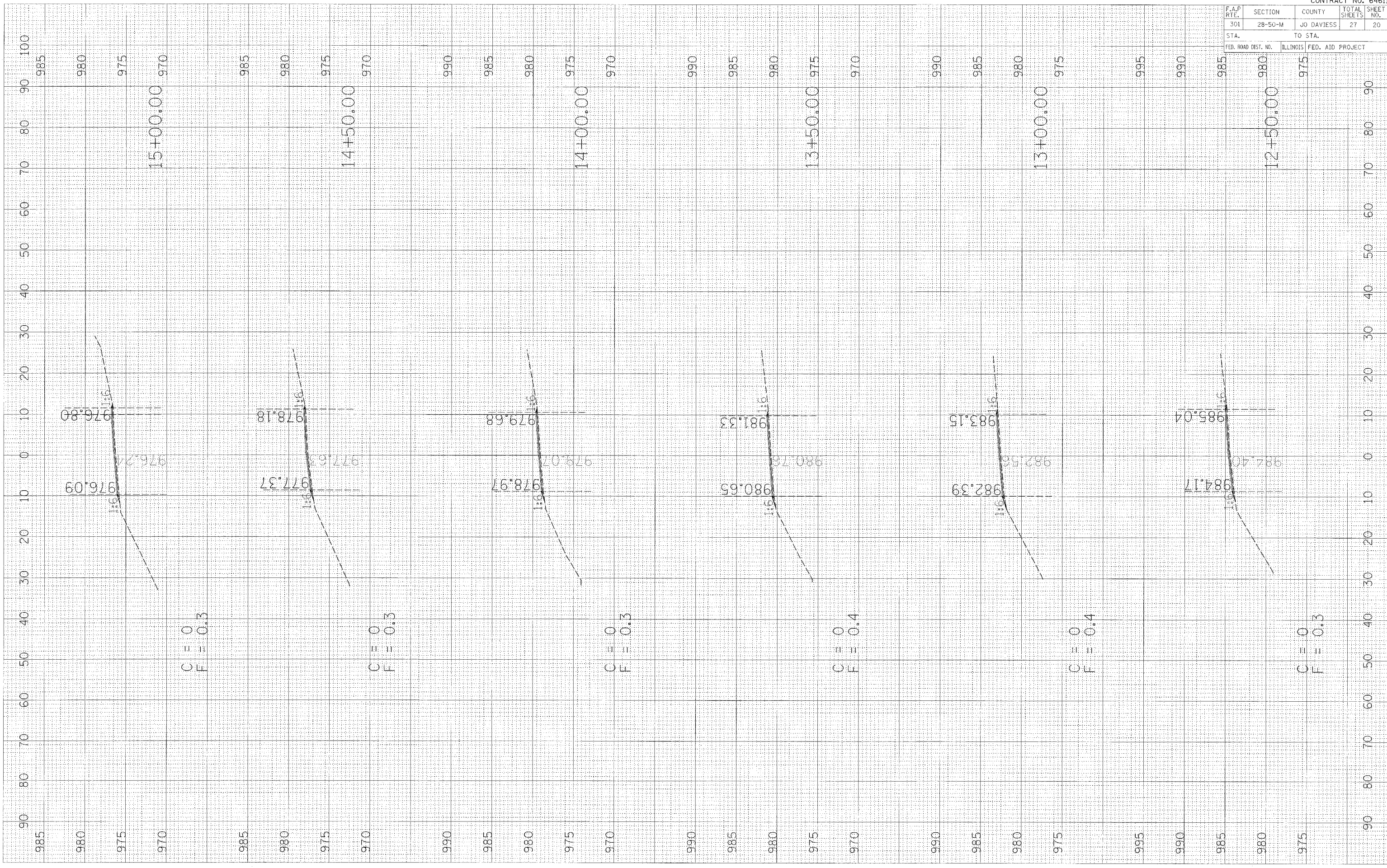
BY

APPROVED

DATE

BY

PLOT DATE = 6/12/05  
 FILE NAME = 64611.dwg  
 PLOT SCALE = 1"=40'  
 REFERENCE = REF\*

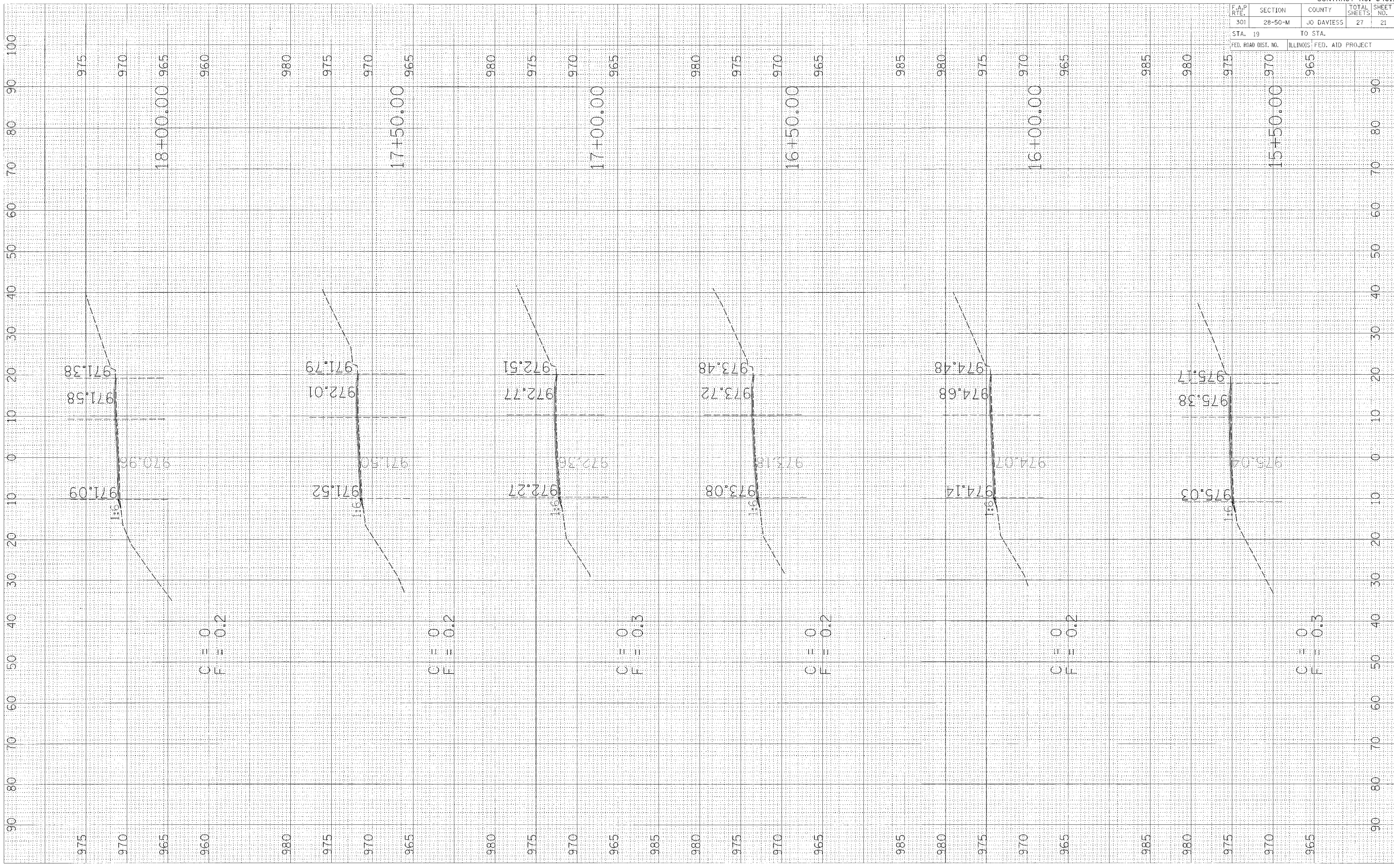


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-50-M	JO DAVIESS	27	21
STA. 19		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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

PLOT DATE = 8/12/05  
 PLOT SCALE = 1"=40'  
 REFERENCE = BREF#



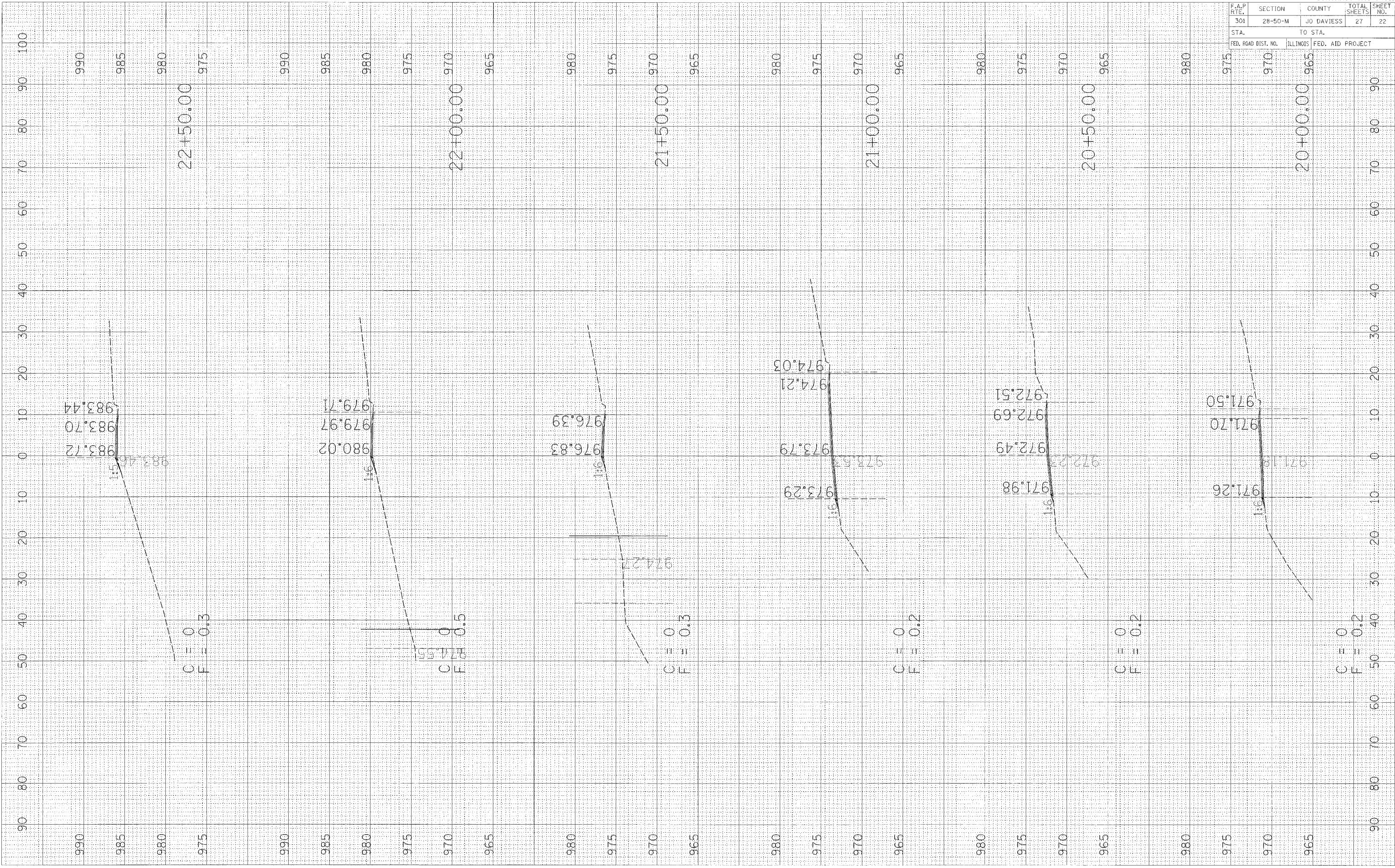
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-50-M	JO DAVIESS	27	22

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

FINAL SURVEY	REVISIONS	DATE
SURVEY	NOTED	
NOTE BOOK	TEMP. AT	
AREAS	AREAS	
MS.	AREAS CHECKED	

ORIGINAL SURVEY	REVISIONS	DATE
SURVEY	NOTED	
NOTE BOOK	TEMP. AT	
AREAS	AREAS	
MS.	AREAS CHECKED	

PLOT DATE = #DATE#  
 FILE NAME = #FILE#  
 PLOT SCALE = #SCALE#  
 REFERENCE = #REF#



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-50-M	JO DAVIESS	27	23

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

DATE	BY
3/1	

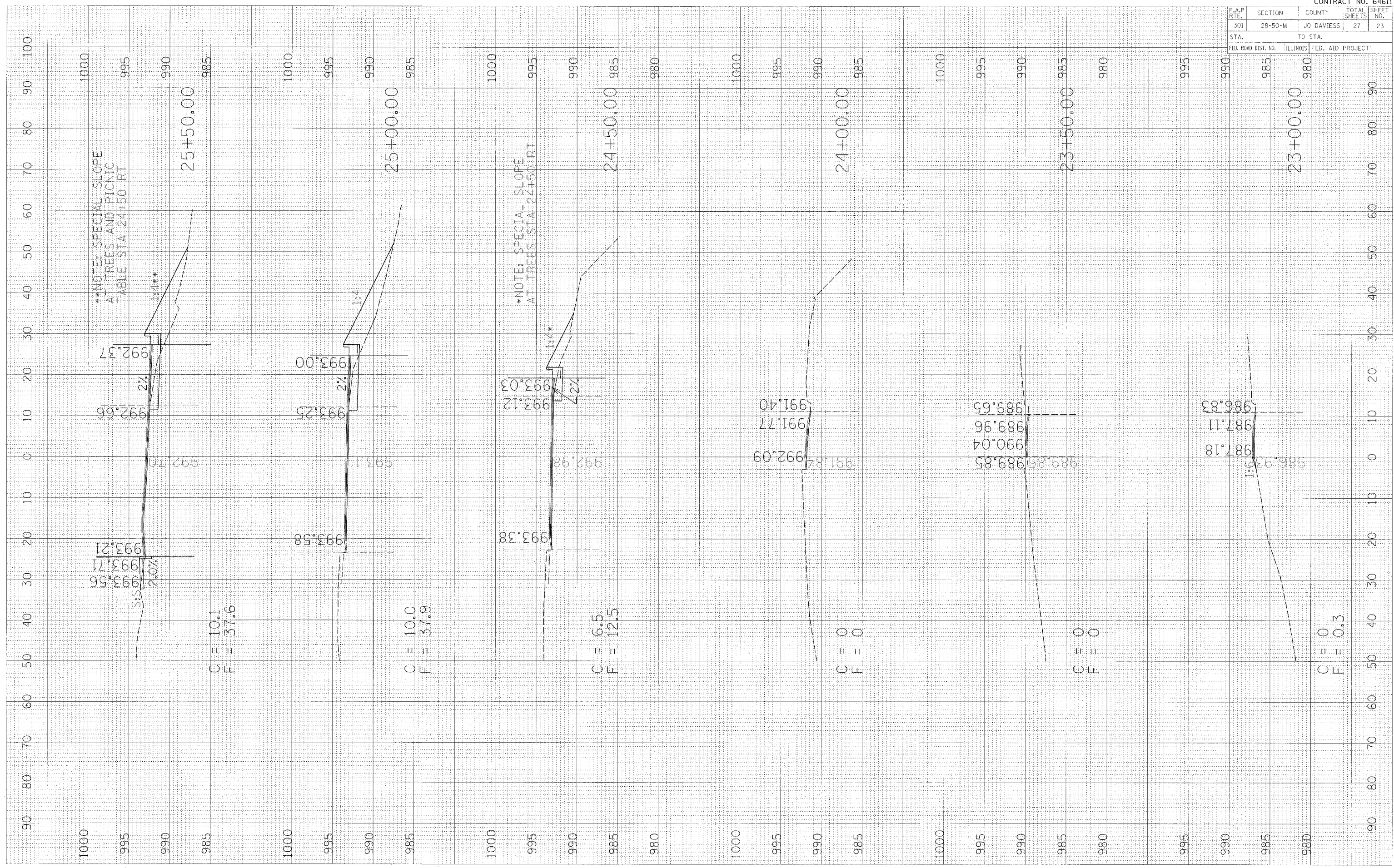
FINISHED SURVEY	DATE
NOTED BOOK	
NOTE BOOK	
AREA	
AREAS CHECKED	

DATE	BY

ORIGINAL SURVEY	DATE
NOTED BOOK	
NOTE BOOK	
AREA	
AREAS CHECKED	

PLOT DATE = #DATE\*  
 FILE NAME = #FILE#\*  
 PLOT SCALE = #SCALE\*  
 REFERENCE = #REF#

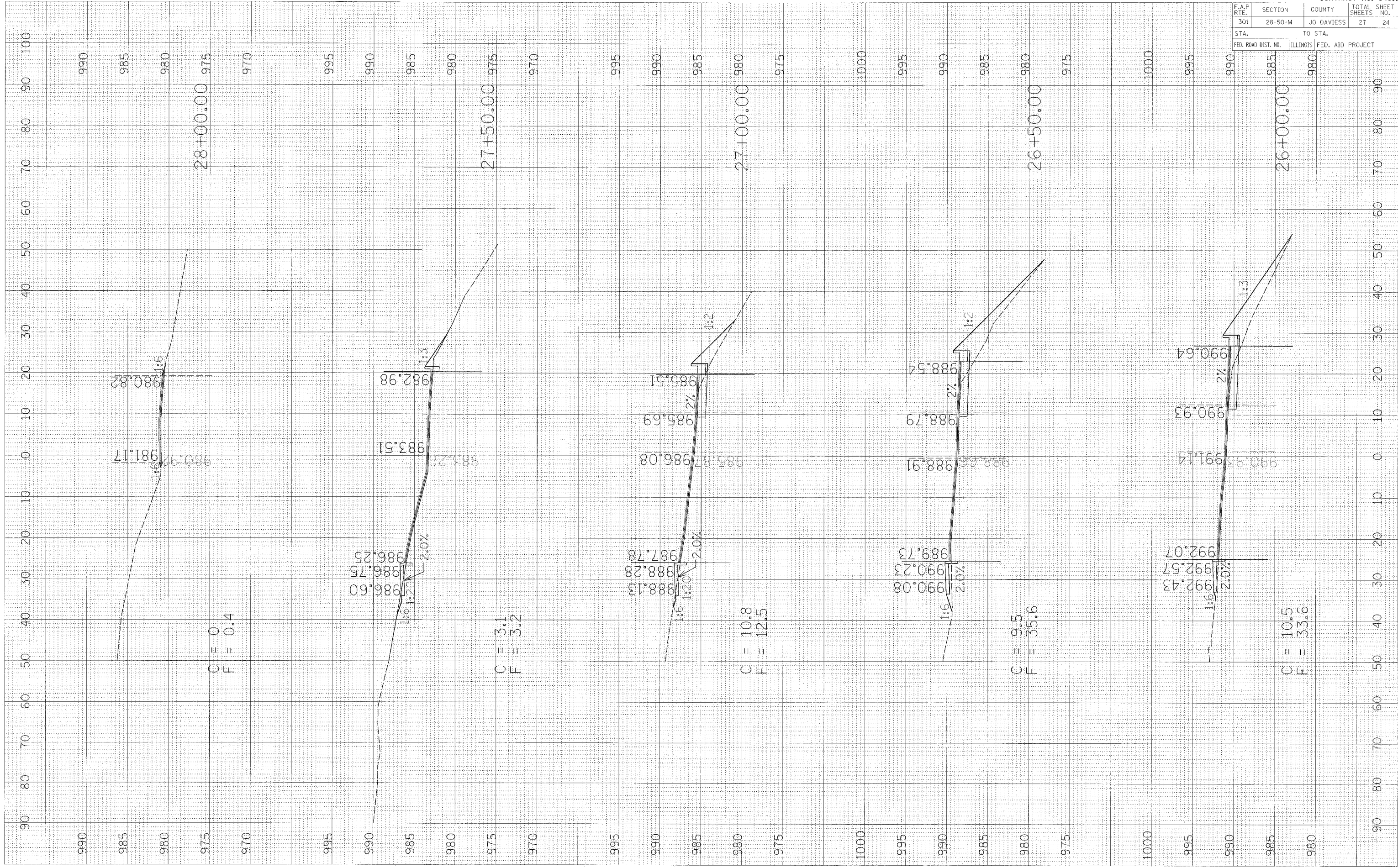


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-50-M	JO DAVIESS	27	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINISH SURVEY	DATE
REVISIONS	BY
NOTED	
DATE	

ORIGINAL SURVEY	DATE
REVISIONS	BY
NOTED	
DATE	

PLOT DATE = \$DATE\$  
 FILE NAME = \$FILE\$  
 SCALE = \$SCALE\$  
 REFERENCE = \$REF\$



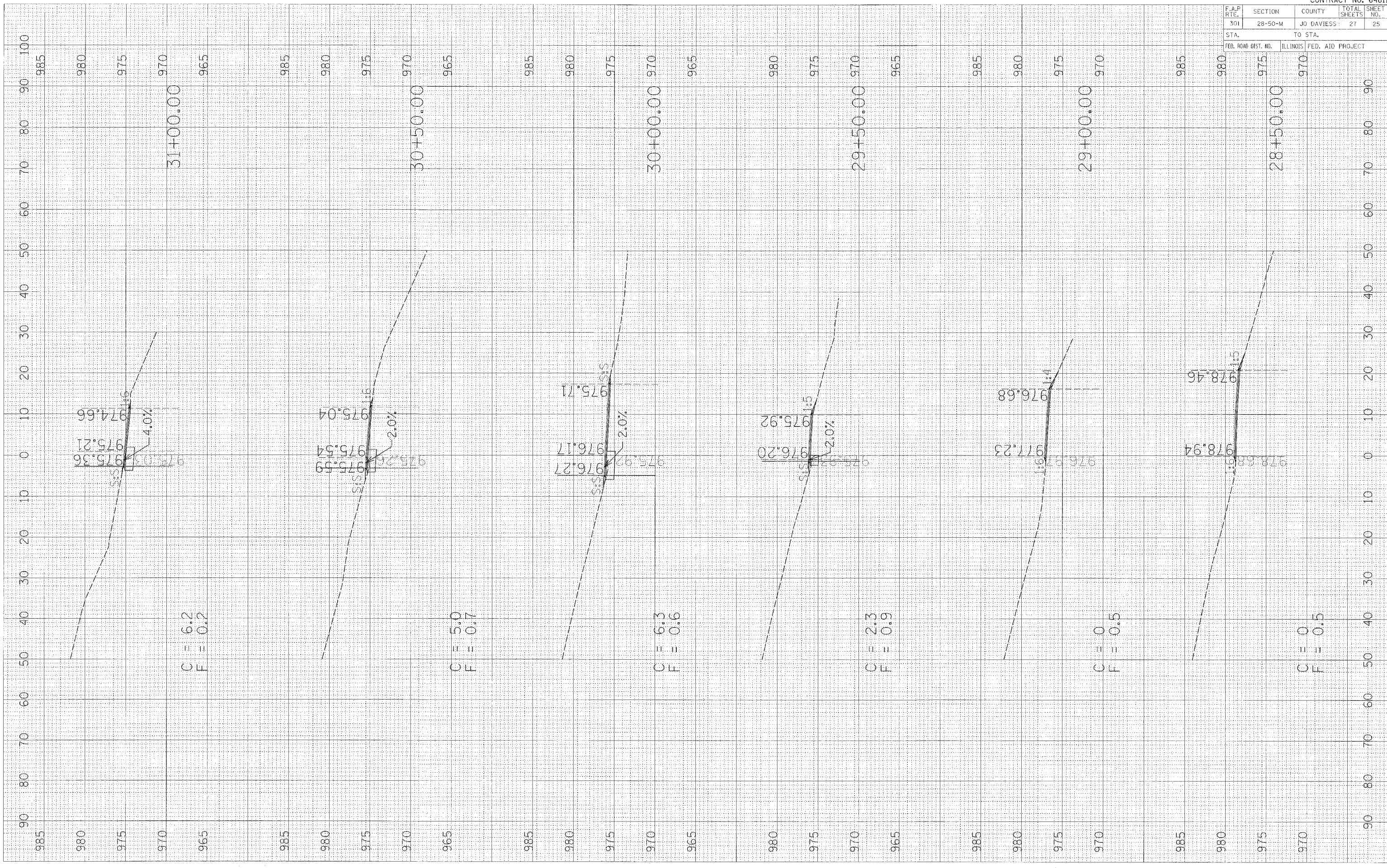


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-50-M	JO DAVIESS	27	25
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	AREAS CHECKED	

PLOT DATE = 8/12/05  
 PLOT SCALE = 1" = 40'  
 REFERENCE = REF#

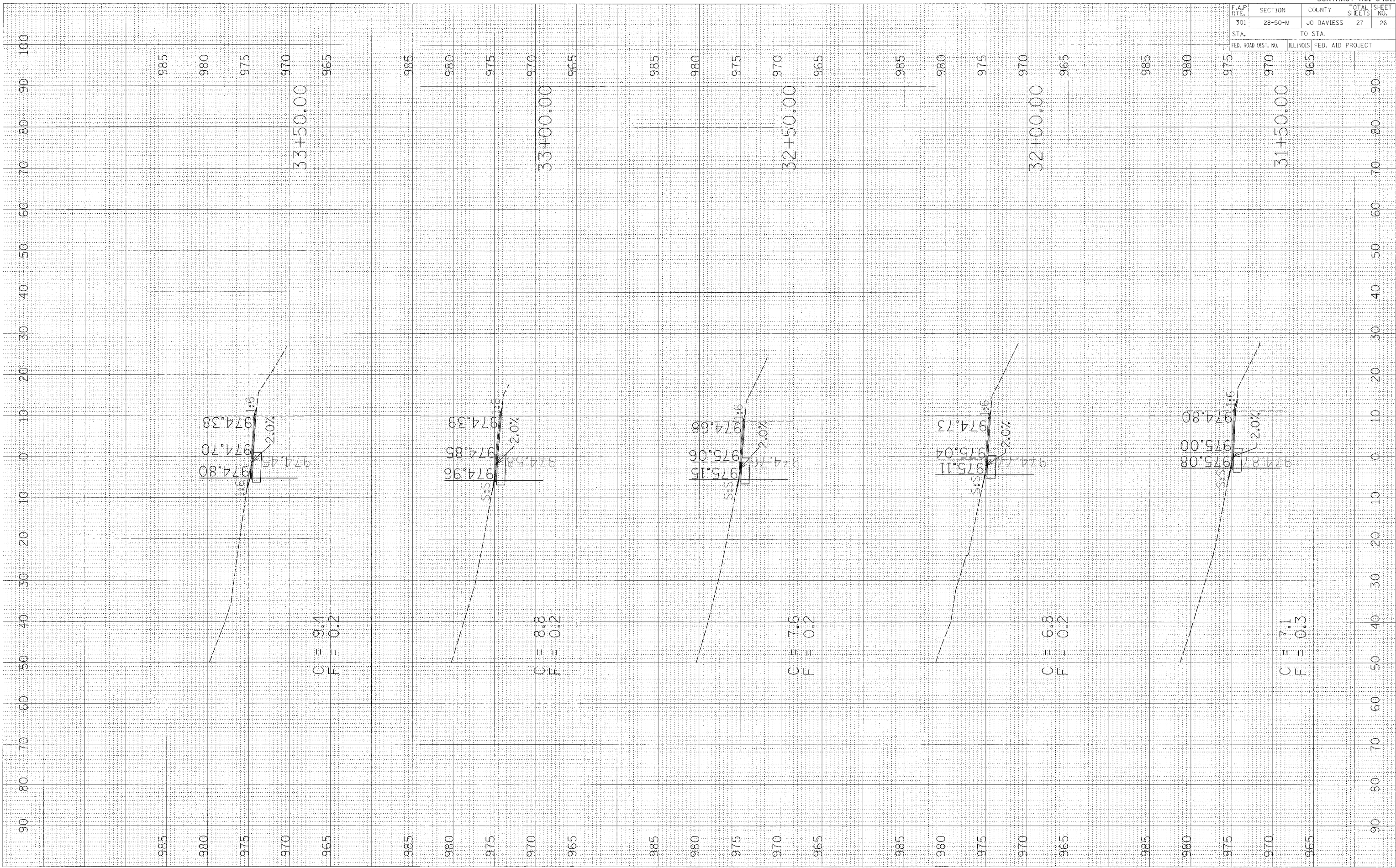


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-50-M	JO DAVIESS	27	26
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.				

FINA	DATE
SURVEY	BY
NOTE BOOK	
NO.	
CHECKED	
PLOTTED	
TEMPLAT	
AREAS	
CHECKED	

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

PLOT DATE = 8/04/05  
 FILE NAME = 8FILEL8  
 PLOT SCALE = 8SCALES  
 REFERENCE = 8REF8



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	28-50-M	JO DAVIESS	27	27
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	NO. _____
SKETCHED	DATE _____
PLOTTED	BY _____
TEMPERATURE	
AREAS	
AREAS CHECKED	

ORIGINAL SURVEY	NO. _____
SKETCHED	DATE _____
PLOTTED	BY _____
TEMPERATURE	
AREAS	
AREAS CHECKED	

PLOT DATE = #DATE#  
 FILE NAME = #FILE#  
 PLOT SCALE = #SCALE#  
 REFERENCE = #REF#

