

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

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

SCALES ( PLAN 1"=50'-0"  
 PROFILE HORIZ. 1"=50'-0"  
 PROFILE VERT. 1"=2'-0"  
 CROSS SECTIONS HORIZONTAL 5 VERTICAL 2

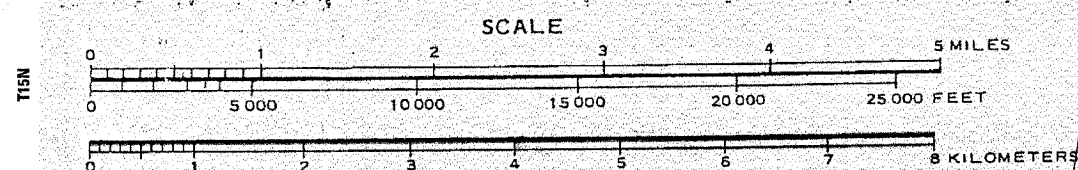
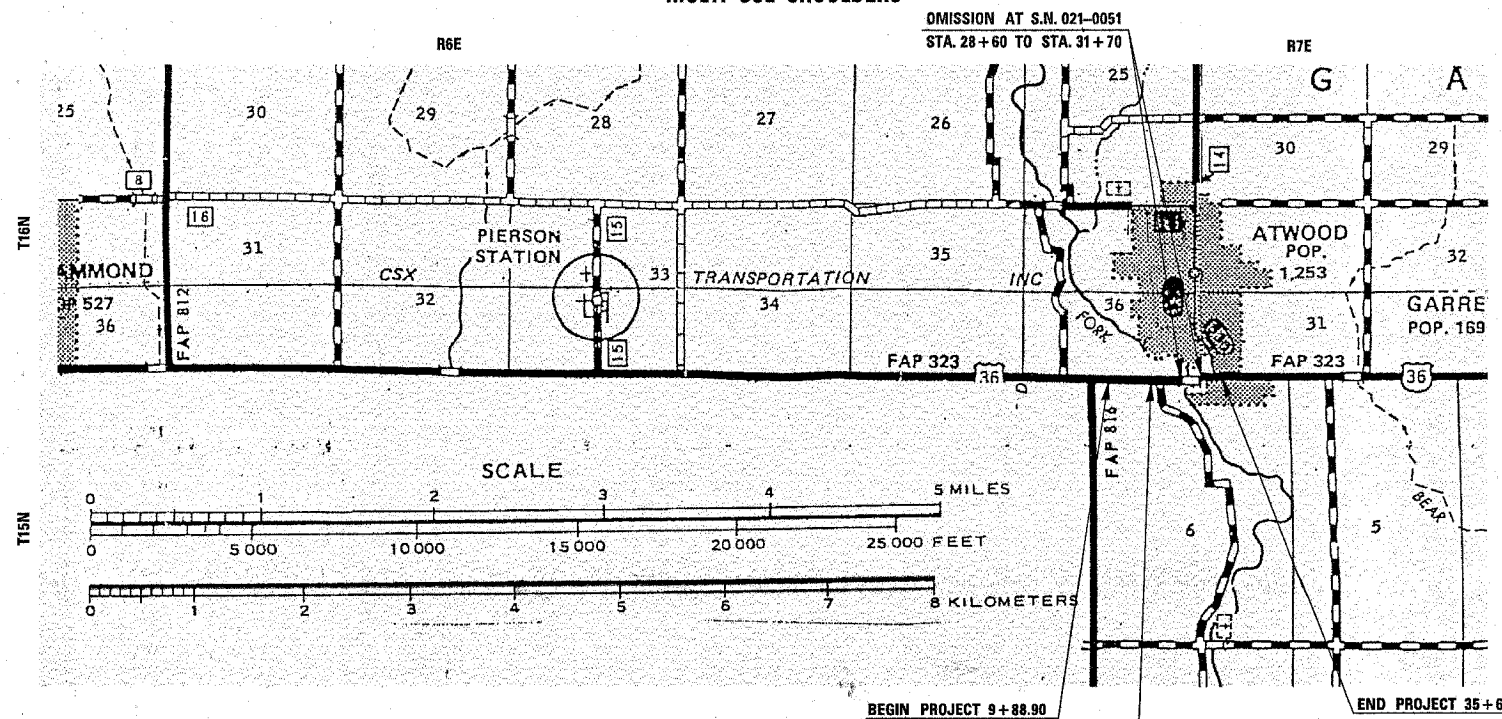
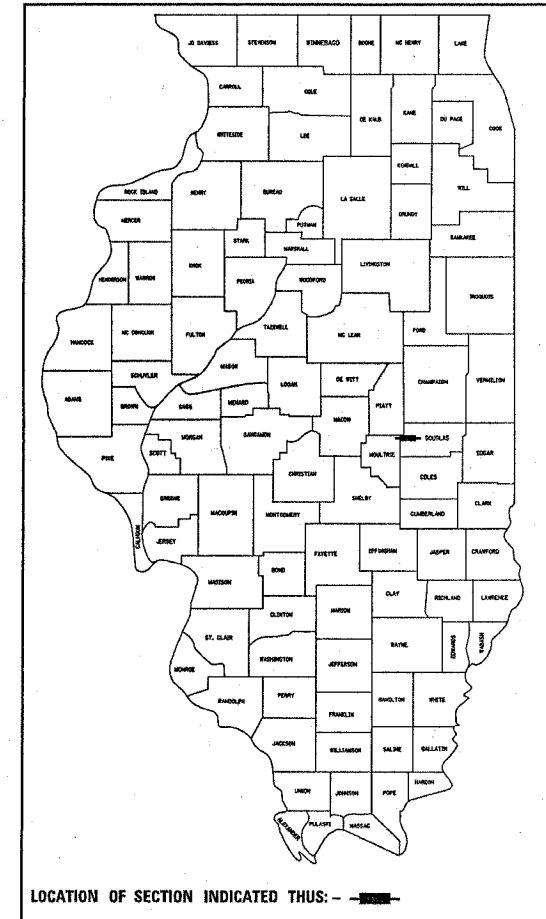
**F.A.P. ROUTE 323 (U.S. RTE. 36)**  
**SECTION 143I-1**  
**DOUGLAS COUNTY**

C-95-015-05

MULTI-USE SHOULDERS

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	143I-1	DOUGLAS	67	1
F.R.W.A. REG.		ILLINOIS	PROJECT	

CONTRACT NO. 70466  
 D-95-014-05



**CURRENT ADT/DESIGN ADT**  
 FAP 323 (US 36)  
 CURRENT ADT 4,400 (2005)  
 DESIGN ADT 4,800 (2025)

**DESIGN DESIGNATION**  
 PRINCIPLE ARTERIAL

FOR UNDERGROUND UTILITY  
 LOCATIONS CALL  
 TOLL FREE J.U.L.I.E. TELEPHONE NO.  
 1-800-892-0123

**U.S. DEPARTMENT OF TRANSPORTATION**  
**FEDERAL HIGHWAY ADMINISTRATION**  
 APPROVED \_\_\_\_\_  
 DIVISION ADMINISTRATOR DATE \_\_\_\_\_

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 SUBMITTED APRIL 1, 20 05  
Joseph E. Crane  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER  
May 13, 20 05  
Mike Nunez  
 ENGINEER OF DESIGN AND ENVIRONMENT  
May 13, 20 05  
Victor Modesto  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**CONTRACT NO. 70466**

TOTAL LENGTH OF SECTION & PROJECT = 2,535.10 FEET = 0.480 MILES  
 NET LENGTH OF SECTION & PROJECT = 2,225.10 FEET = 0.421 MILES

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(217)465-4181

PROJECT ENGINEER: KENSIL GAFFETT

SQUAD LEADER: ROBERT M. NELSON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	1431-1	DOUGLAS	67	2

CONTRACT NO. 70466

**LIST OF STANDARDS**

000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS  
001006 DECIMAL OF AN INCH AND OF A FOOT  
280001-02 TEMPORARY EROSION CONTROL SYSTEMS  
542401 METAL END SECTION FOR PIPE CULVERTS  
701001-01 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY  
701006-02 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE  
701011-01 OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY  
701301-02 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS  
701311-02 LANE CLOSURE, 2L, 2W MOVING OPERATIONS-DAY ONLY  
701326-02 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS  $\geq$  45 MPH  
702001-05 TRAFFIC CONTROL DEVICES  
780001-01 TYPICAL PAVEMENT MARKINGS

**INDEX OF SHEETS**

1 COVER SHEET  
2 INDEX OF SHEETS / LIST OF STANDARDS  
3 GENERAL NOTES  
4 SUMMARY OF QUANTITIES  
5-6 EXISTING TYPICAL CROSS SECTIONS  
7 PROPOSED TYPICAL CROSS SECTIONS  
8 SCHEDULES  
9 TIE POINTS  
10-11 PLAN / PROFILE SHEETS  
12 EROSION CONTROL PLAN  
13 TYPICAL DETAIL OF RURAL, PRIVATE AND COMMERCIAL ENTRANCES  
13 DETAIL OF SIDEROAD AT RT. STATION 19+88.30  
13 DETAIL OF PRIVATE ENTRANCE AT RT. STATION 33+86.62  
13 DETAIL OF PRIVATE ENTRANCE AT LT. STATION 34+06.81  
14-16 TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS  
17-67 STATION CROSS SECTIONS

**GENERAL NOTES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	1431-1	DOUGLAS	67	3

CONTRACT NO. 70466

**G. N. -100**

ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

**G. N. -1004.03**

REVISE ARTICLE 1004.03 (c) NOTE 5/ OF THE STANDARD SPECIFICATIONS TO READ:

5/ GRADATION CA-16 SHALL BE USED IN LIEU OF CA-13 WHEN THE SURFACE COURSE IS LESS THAN 1 3/4 INCHES IN THICKNESS.  
CA-13 OR CA-16 MAY BE USED WHEN THE SURFACE COURSE IS 1 3/4 INCHES OR MORE IN THICKNESS.

**G. N. -105.09A**

ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

**G. N. -107.31**

UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED. J.U.L.I.E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800)892-0123.

**G. N. -406**

THE QUANTITIES INCLUDED IN THE PLANS FOR BITUMINOUS CONCRETE RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE BITUMINOUS MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

**G. N. -406D**

ALL LEVELING BINDER OR BINDER SHALL BE GIVEN A FOG COAT OF PRIME BEFORE THE SURFACE COURSE IS PLACED WHEN DIRECTED BY THE ENGINEER.

THE FOG COAT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER GALLON FOR BITUMINOUS MATERIAL (PRIME COAT) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**G. N. -406H**

MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION(S):	U. S. 36	U. S. 36
MIXTURE USE(S):	4 1/2 " BIT. SHLDR	INCID. & SURFACE ON SHLDR
AC/PG:	PG 58-22	PG 64-22
RAP %: (Max)**	30	15
DESIGN AIR VOIDS:	2.0% @ Ndes = 30	4.0% @ Ndes = 50
MIXTURE COMPOSITION:	B. A. M.	IL9.5
(GRADATION MIXTURE)		
FRICITION AGGREGATE:	N. A.	MIX C.

**G. N. -482**

ALL MATERIAL PLACED AS BITUMINOUS SHOULDERS SUPERPAVE SHALL BE COMPACTED TO 94.0-98.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY. THIS REQUIREMENT SHALL APPLY TO BOTH B. A. M. AND IL 9.5L GRADATION SHOULDER MIXES. THIS MAXIMUM DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE OF FOUR TESTS AS IN OTHER QC/QA TESTING. A NUCLEAR GAUGE DENSITY/CORE CORRELATION SHALL BE PERFORMED FOR BOTH THE B. A. M. AND IL 9.5L MIXES USING STANDARD CORRELATION PROCEDURES.

**G. N. -542**

BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.

**G. N. -542B**

ALL THE ENTRANCE CULVERTS LENGTHS SHOWN IN THE PLANS WERE CALCULATED WITH THE ASSUMPTION THAT METAL PIPES AND METAL END SECTION WOULD BE USED.

**G. N. -542D**

THIS WORK SHALL CONSIST OF REPLACING THE EXISTING ENTRANCE CULVERTS AT LOCATIONS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. PRIOR TO REPLACING THE CULVERT THE DITCH SHALL BE CLEANED FOR 25 FEET EACH WAY FROM THE ENDS OF THE CULVERTS AS DIRECTED BY THE ENGINEER.

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR PIPE CULVERTS OF THE TYPE AND SIZE SPECIFIED AND SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY TO COMPLETE THE WORK AS HEREINSPECIFIED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**G. N. -703A**

SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

**G. N. -1004.01**

COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

**COMMITMENTS:**

THERE ARE NO COMMITMENTS FOR THIS PROJECT.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	143I-1	DOUGLAS	67	4

CONTRACT NO. T0466

**SUMMARY OF QUANTITIES**

CODE NO	ITEM	CONSTRUCTION TYPE CODE:	UNIT	LOCATION OF WORK:	
				TOTAL QUANTITY	DOUGLAS COUNTY RURAL FAP 323 STA. 9+88.90 STA.35+65 100% STATE SFTY-2A
20200100	EARTH EXCAVATION		CU YD	488.0	488.0
20400800	FURNISHED EXCAVATION		CU YD	210.0	210.0
25000210	SEEDING, CLASS 2A		ACRE	0.9	0.9
25000400	NITROGEN FERTILIZER NUTRIENT		POUND	78.0	78.0
25000500	PHOSPHORUS FERTILIZER NUTRIENT		POUND	78.0	78.0
25000600	POTASSIUM FERTILIZER NUTRIENT		POUND	78.0	78.0
25100115	MULCH, METHOD 2		ACRE	0.9	0.9
28000250	TEMPORARY EROSION CONTROL SEEDING		POUND	87.0	87.0
28000300	TEMPORARY DITCH CHECKS		EACH	4.0	4.0
28000400	PERIMETER EROSION BARRIER		FOOT	2,170.0	2,170.0
28000500	INLET AND PIPE PROTECTION		EACH	6.0	6.0
35101400	AGGREGATE BASE COURSE, TYPE B		TON	14.0	14.0
40200800	AGGREGATE SURFACE COURSE, TYPE B		TON	30.0	30.0
40600100	BITUMINOUS MATERIALS (PRIME COAT)		GALLON	380.0	380.0
40800010	BITUMINOUS MATERIALS (PRIME COAT)		GALLON	38.0	38.0
40800030	AGGREGATE (PRIME COAT)		TON	1.0	1.0
40800040	INCIDENTAL BITUMINOUS SURFACING		TON	18.0	18.0
44000006	BITUMINOUS SURFACE REMOVAL 1 1/2"		SQ YD	96.0	96.0
44000200	DRIVEWAY PAVEMENT REMOVAL		SQ YD	77.0	77.0
44004250	PAVED SHOULDER REMOVAL		SQ YD	1,732.0	1,732.0
48202210	BITUMINOUS SHOULDERS SUPERPAVE 4 1/2"		SQ YD	3,744.0	3,744.0
50105220	PIPE CULVERT REMOVAL		FOOT	37.0	37.0
54213453	END SECTIONS 18"		EACH	2.0	2.0
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"		FOOT	36.0	36.0
67100100	MOBILIZATION		L SUM	1.0	1.0
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326		L SUM	1.0	1.0
70300100	SHORT-TERM PAVEMENT MARKING		FOOT	195.0	195.0
* 70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"		FOOT	4,208.0	4,208.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL		SQ FT	65.0	65.0
* 78001110	PAINT PAVEMENT MARKING - LINE 4"		FOOT	4,208.0	4,208.0
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50		TON	315.0	315.0
	* SPECIALITY ITEM				

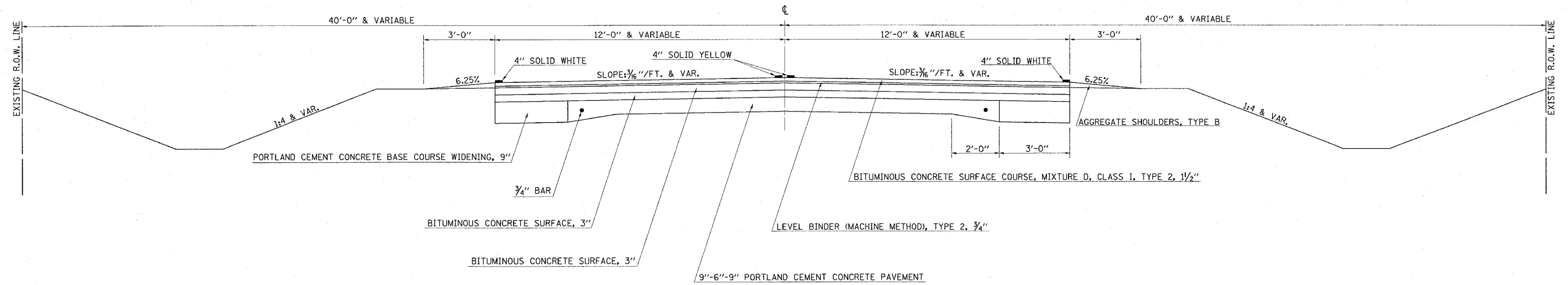


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	1431-1	DOUGLAS	67	5

CONTRACT NO. 70466

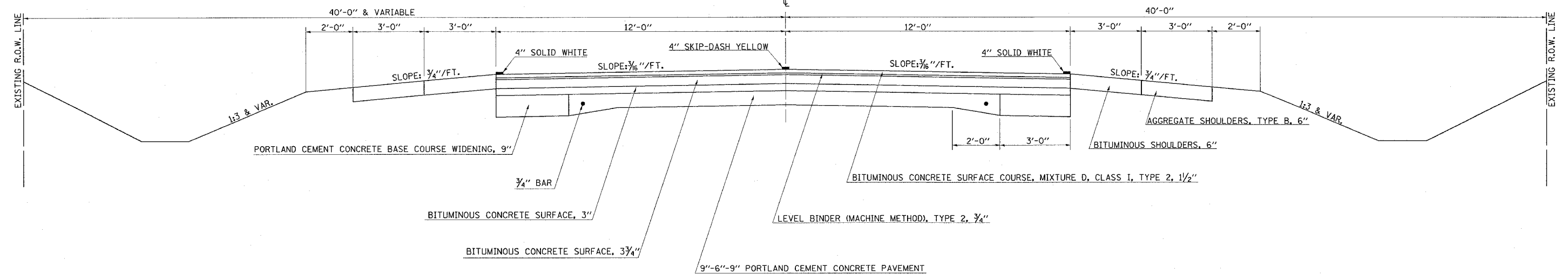
### EXISTING TYPICAL CROSS SECTION

STATION 9+88.90 TO STATION 11+00.00



### EXISTING TYPICAL CROSS SECTION

STATION 11+00.00 TO STATION 18+37.66 (BK)  
 18+78.66 (AH) 26+10.00  
 34+50.00 LT. 36+00.00 LT.



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	1431-1	DOUGLAS	67	6

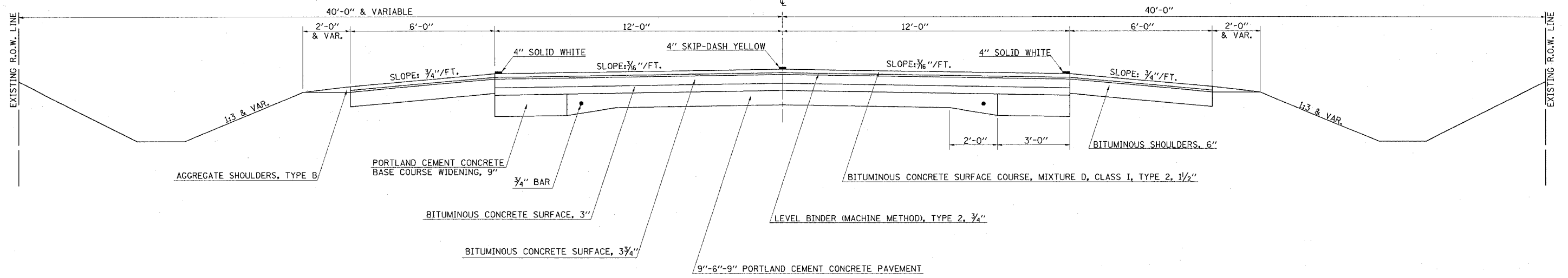
CONTRACT NO. 70466

### EXISTING TYPICAL CROSS SECTION

STATION 26+10.00  
31+71.00

TO

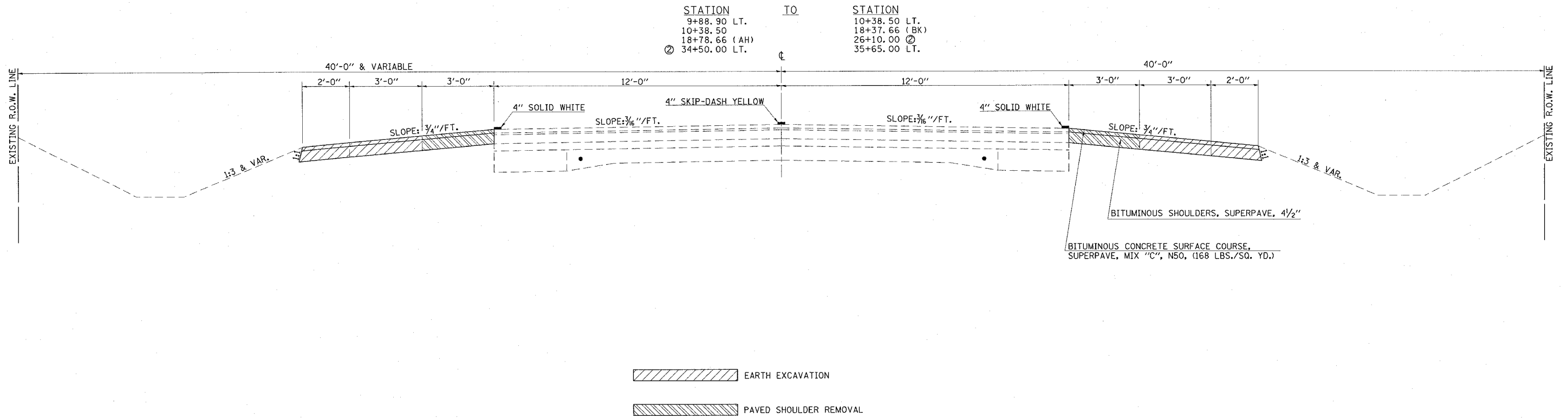
STATION 28+60.00 (BRIDGE OMISSION)  
35+60.00



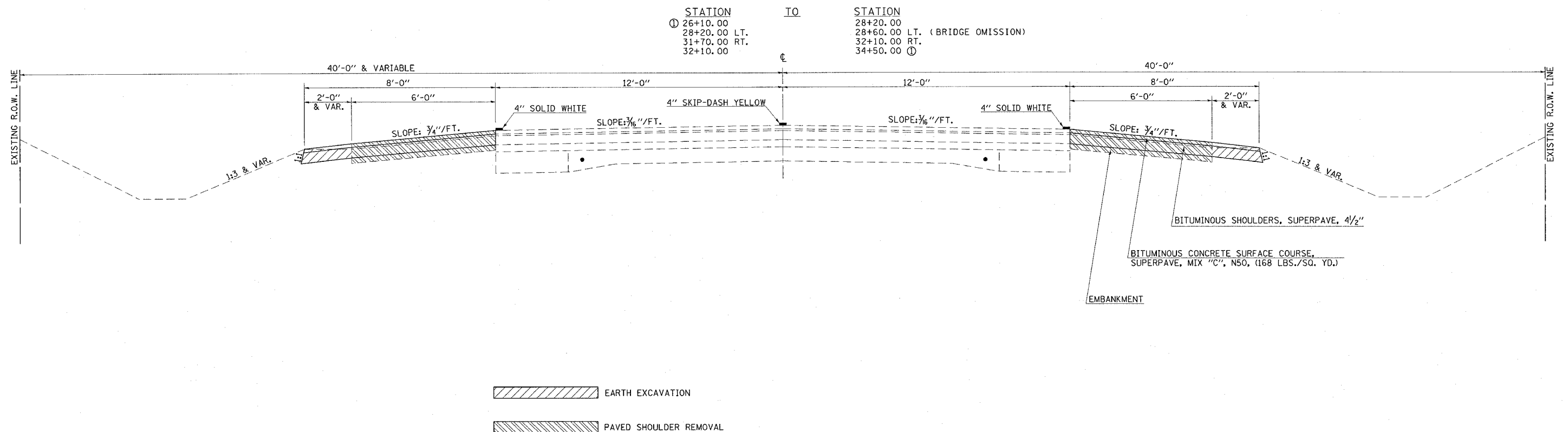
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	1431-1	DOUGLAS	67	7

CONTRACT NO. 70466

### ① PROPOSED TYPICAL CROSS SECTION



### ② PROPOSED TYPICAL CROSS SECTION



### SCHEDULE OF QUANTITIES

**END SECTIONS**

STATION	EACH
31+84.49 29.67' RT.	1
32+20.21 28.52' RT.	1
<b>TOTAL</b>	<b>2</b>

**PAINT PAVEMENT MARKING - LINE 4"**

STATION	TO	STATION	4" WHITE (FOOT)
9+88.90 LT.		18+37.66 LT. (BK)	849
10+38.50 RT.		18+37.66 RT. (BK)	800
18+78.66 LT. (AH)		28+60.00 LT.	982
18+78.66 RT. (AH)		28+20.00 RT.	942
31+70.00 RT.		34+50.00 RT.	280
32+10.00 LT.		35+65.00 LT.	355
<b>TOTAL</b>			<b>4208</b>

**SHORT-TERM PAVEMENT MARKING**

STATION	TO	STATION	LENGTH	FOOT
9+88.90 LT.		18+37.66 LT. (BK)	849	38
10+38.50 RT.		18+37.66 RT. (BK)	800	36
18+78.66 LT. (AH)		28+60.00 LT.	982	44
18+78.66 RT. (AH)		28+20.00 RT.	942	42
31+70.00 RT.		34+50.00 RT.	280	16
32+10.00 LT.		35+65.00 LT.	355	19
<b>TOTAL</b>				<b>195</b>

**TEMPORARY PAVEMENT MARKING - LINE 4"**

STATION	TO	STATION	4" WHITE (FOOT)
9+88.90 LT.		18+37.66 LT. (BK)	849
10+38.50 RT.		18+37.66 RT. (BK)	800
18+78.66 LT. (AH)		28+60.00 LT.	982
18+78.66 RT. (AH)		28+20.00 RT.	942
31+70.00 RT.		34+50.00 RT.	280
32+10.00 LT.		35+65.00 LT.	355
<b>TOTAL</b>			<b>4208</b>

**WORK ZONE PAVEMENT MARKING REMOVAL**

STATION	TO	STATION	LENGTH	FOOT	SQ. FT.
9+88.90 LT.		18+37.66 LT. (BK)	849	38	13
10+38.50 RT.		18+37.66 RT. (BK)	800	36	12
18+78.66 LT. (AH)		28+60.00 LT.	982	44	15
18+78.66 RT. (AH)		28+20.00 RT.	942	42	14
31+70.00 RT.		34+50.00 RT.	280	16	5
32+10.00 LT.		35+65.00 LT.	355	19	6
<b>TOTAL</b>					<b>65</b>

**SEEDING**

STATION	TO	STATION	SEEDING CLASS 2A (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	MULCH METHOD 2 (ACRE)	TEMPORARY EROSION CONTROL SEEDING (POUND)
9+88.90 LT.		35+65.00 LT.	0.4	34	34	34	0.4	38
10+38.50 RT.		34+50.00 RT.	0.5	44	44	44	0.5	49
<b>TOTALS</b>			<b>0.9</b>	<b>78</b>	<b>78</b>	<b>78</b>	<b>0.9</b>	<b>87</b>

**INCIDENTAL BITUMINOUS SURFACING**

STATION	OFFSET	ENTRANCE TYPE	SQ. YD.	INCIDENTAL BIT. SURF. (TON)	BIT. MATLS. (PRIME COAT) (GAL.)	AGGREGATE (PRIME COAT) (TON)
17+39.01	RT.	PE	5	0.50	3	0.10
19+88.30	RT.	SR	160	14.00	16	0.40
32+02.35	RT.	PE	5	0.50	3	0.10
32+87.96	RT.	PE	5	0.50	3	0.10
33+86.62	RT.	PE	5	0.50	3	0.10
34+06.81	LT.	PE	19	2.00	10	0.20
<b>TOTALS</b>				<b>18.00</b>	<b>38</b>	<b>1.00</b>

**AGGREGATE BASE COURSE, TYPE B**

STATION	OFFSET	ENTRANCE TYPE	TON
17+39.01	RT.	PE	1.8
32+02.35	RT.	PE	1.8
32+87.96	RT.	PE	1.8
33+86.62	RT.	PE	1.8
34+06.81	LT.	PE	6.8
<b>TOTAL</b>			<b>14.0</b>

**AGGREGATE SURFACE COURSE, TYPE B**

STATION	OFFSET	ENTRANCE TYPE	TON
17+39.01	RT.	PE	10
32+02.35	RT.	PE	10
32+87.96	RT.	PE	10
<b>TOTAL</b>			<b>30</b>

**DRIVEWAY PAVEMENT REMOVAL**

STATION	OFFSET	ENT TYPE	ENT WIDTH (FT)	SQ YD
17+39.01	RT.	PE	15	28
33+86.62	RT.	PE	15	13
34+06.81	LT.	FE	30	36
<b>TOTAL</b>				<b>77</b>

**EARTHWORK**

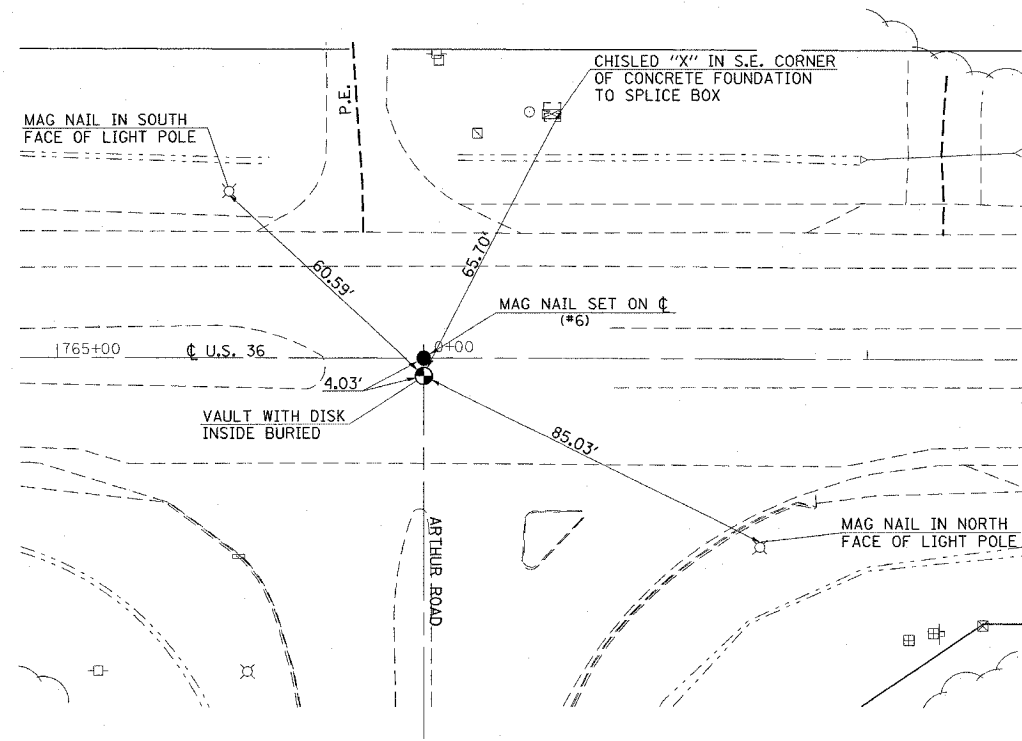
STATION	TO	STATION	EARTH EX (CU. YD.)	SHRINKAGE (CU. YD.)	EMBANKMENT (CU. YD.)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU. YD.)
9+88.90 LT.		35+65.00 LT	187.00	140.25	147.00	-6.75
10+38.50 RT.		34+50.00 RT	301.00	225.75	429.00	-203.25
<b>TOTAL</b>			<b>488.00</b>	<b>366.00</b>	<b>576.00</b>	<b>-210.00</b>
<b>EARTH EXCAVATION</b>			<b>488 CU. YD.</b>			
<b>FURNISHED EXCAVATION</b>			<b>210 CU. YD.</b>			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	1431-1	DOUGLAS	67	9

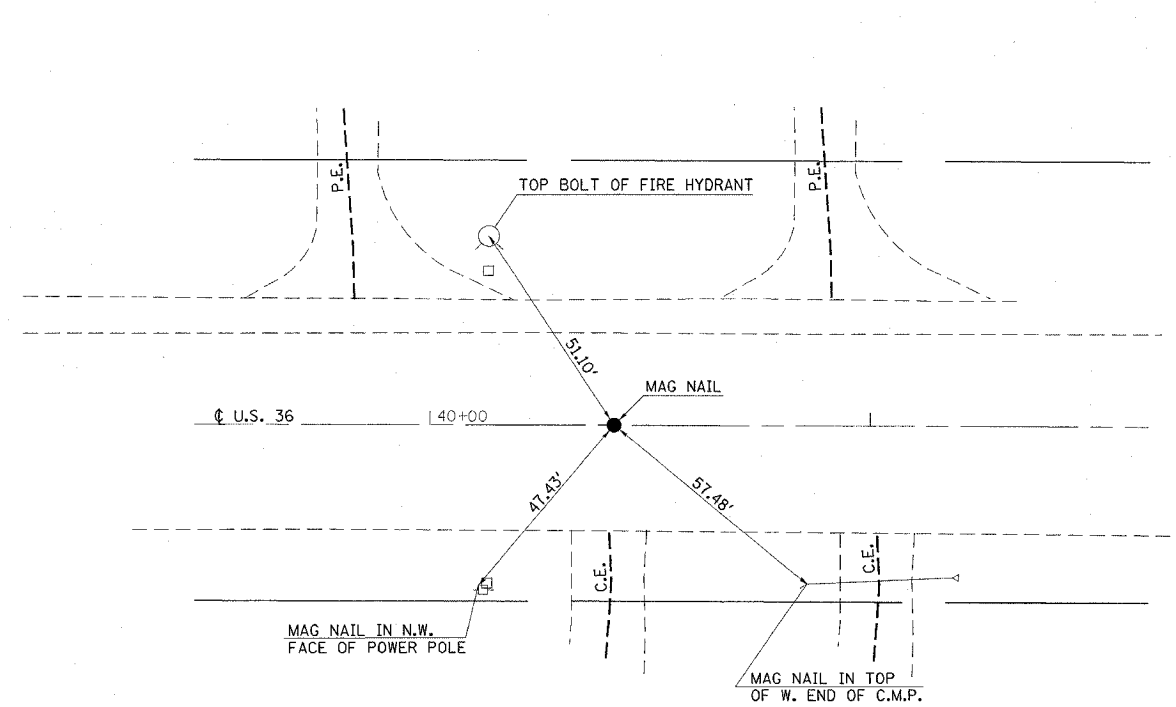
CONTRACT NO. 70466

# TIE POINTS

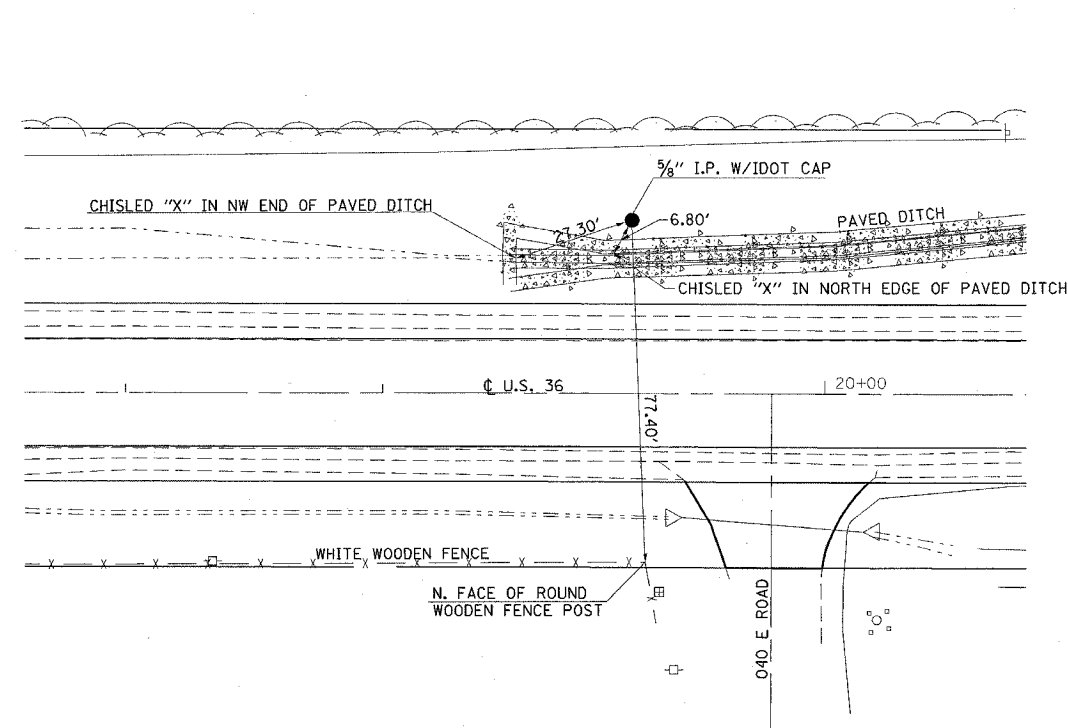
BASIS OF STA. #2/765+84BK = 0+00AH



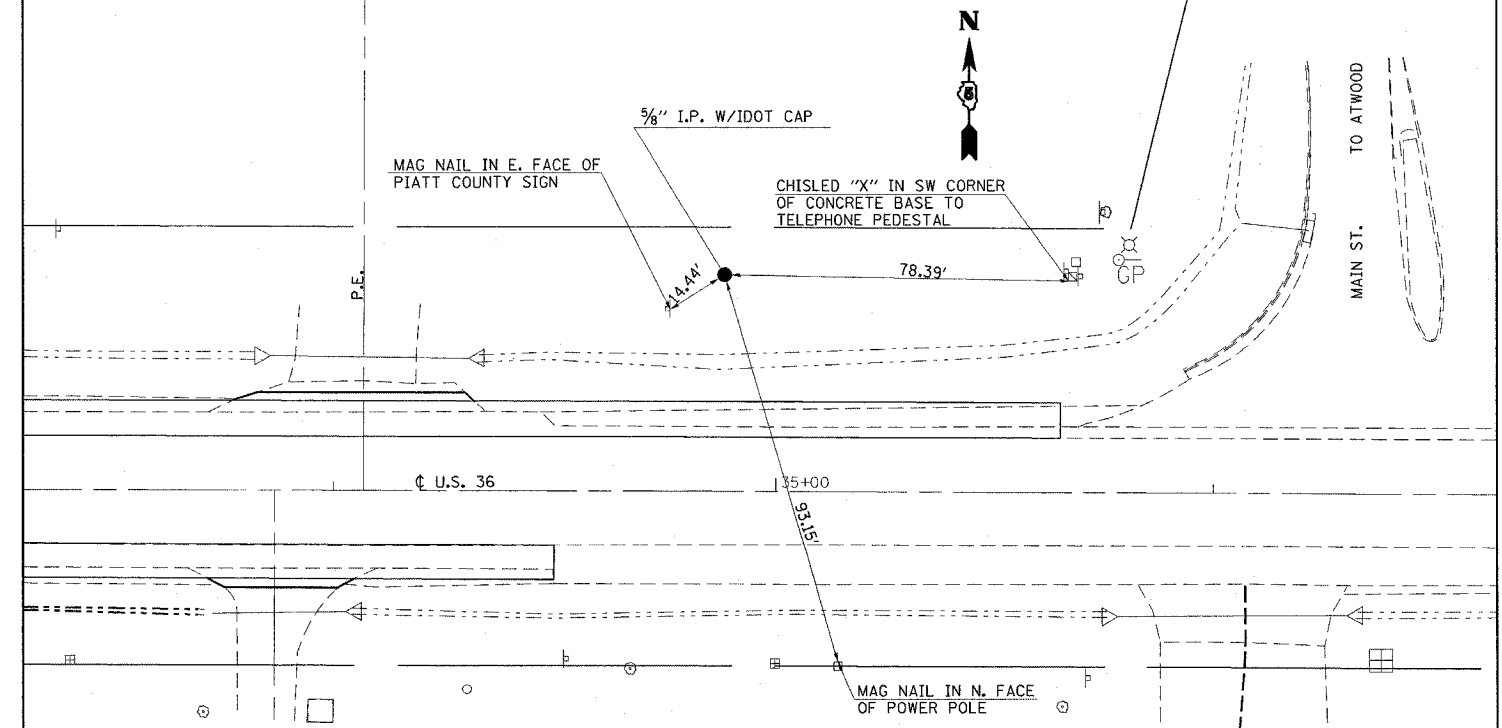
P.O.T. #3 STA. 40+41.31



TRAV. STA. #401 STA. 19+56.51/39.4' LT.

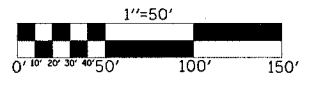


TRAV. STA. #402 STA. 34+88.10/49.3' LT.

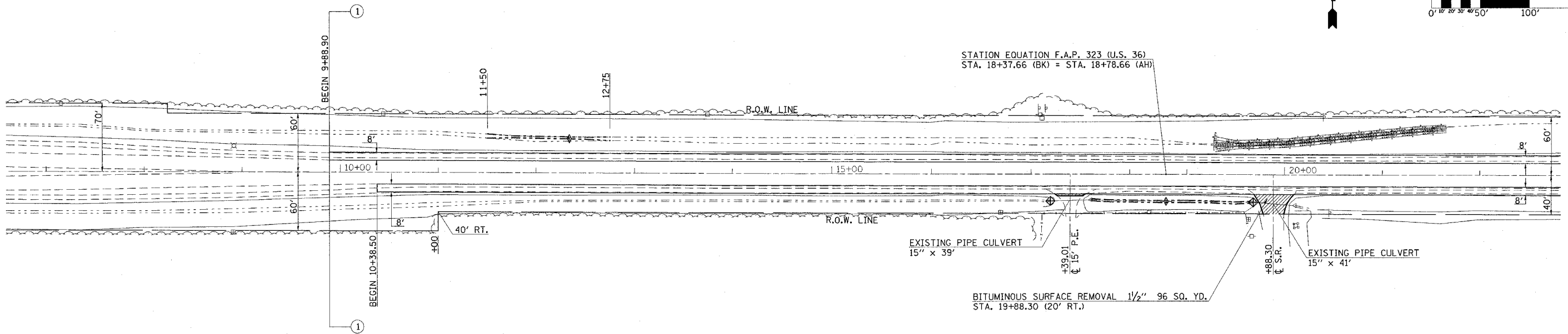


SEC. 36, T.16N., R.6E., 3rd P.M.  
PIATT COUNTY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	1431-1	DOUGLAS	67	10
STA.	7+00	TO STA.	22+00	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO. 70466				



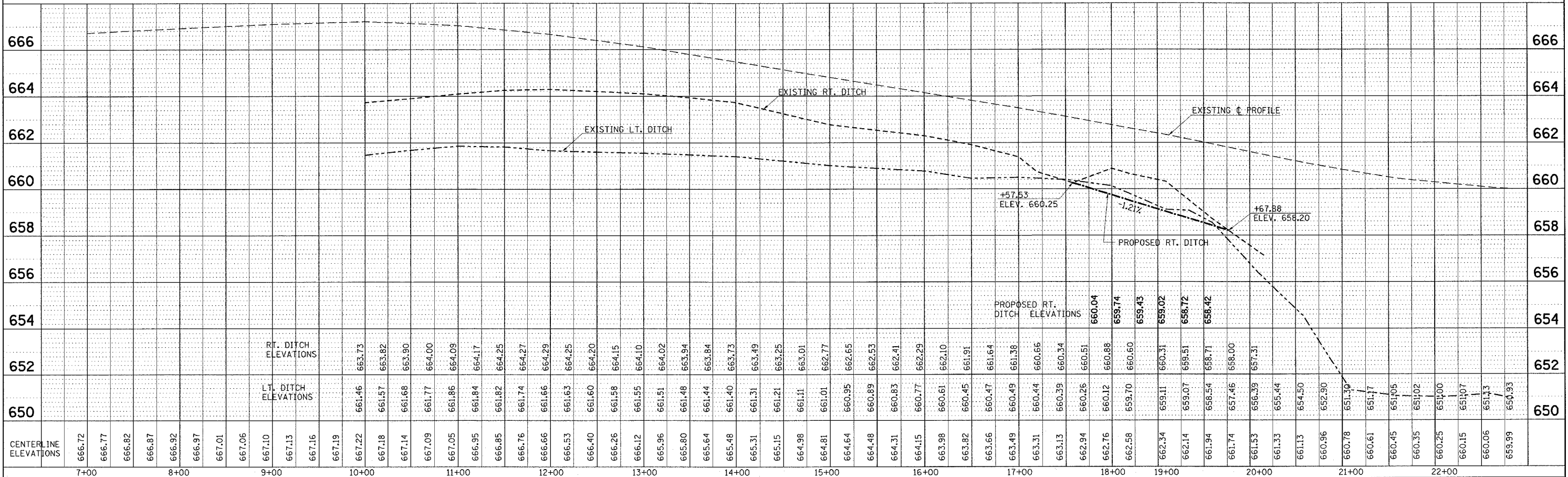
PLAN	SURVEYED	BY	DATE
	ALIGNED		
	RT. OF WAY CHECKED		
	NO. NOTED		
	FILE NAME		



SEC. 6, T.15N., R.7E., 3rd P.M.  
DOUGLAS COUNTY

INCIDENTAL BITUMINOUS SURFACING

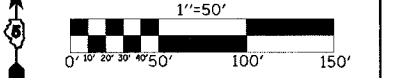
PROFILE	SURVEYED	BY	DATE
	GRADES		
	RT. OF WAY CHECKED		
	NO. NOTED		
	STRUCTURE NOTATIONS		



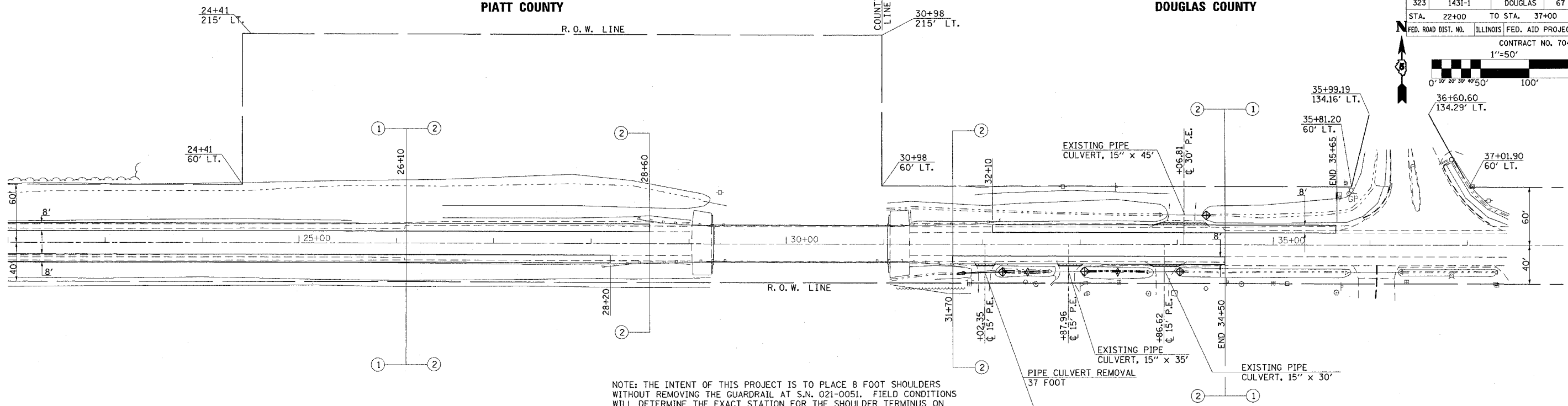
SEC. 36, T.16N., R.6E., 3rd P.M.  
PIATT COUNTY

SEC. 31, T.16N., R.7E., 3rd P.M.  
DOUGLAS COUNTY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	1431-1	DOUGLAS	67	11
STA. 22+00 TO STA. 37+00		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		CONTRACT NO. 70466		



PLAN	DATE
SUBMITTED	BY
PLotted	CHECKED
NOTE BOOK	RT. OF WAY CHECKED
NO.	PAID FILE NAME



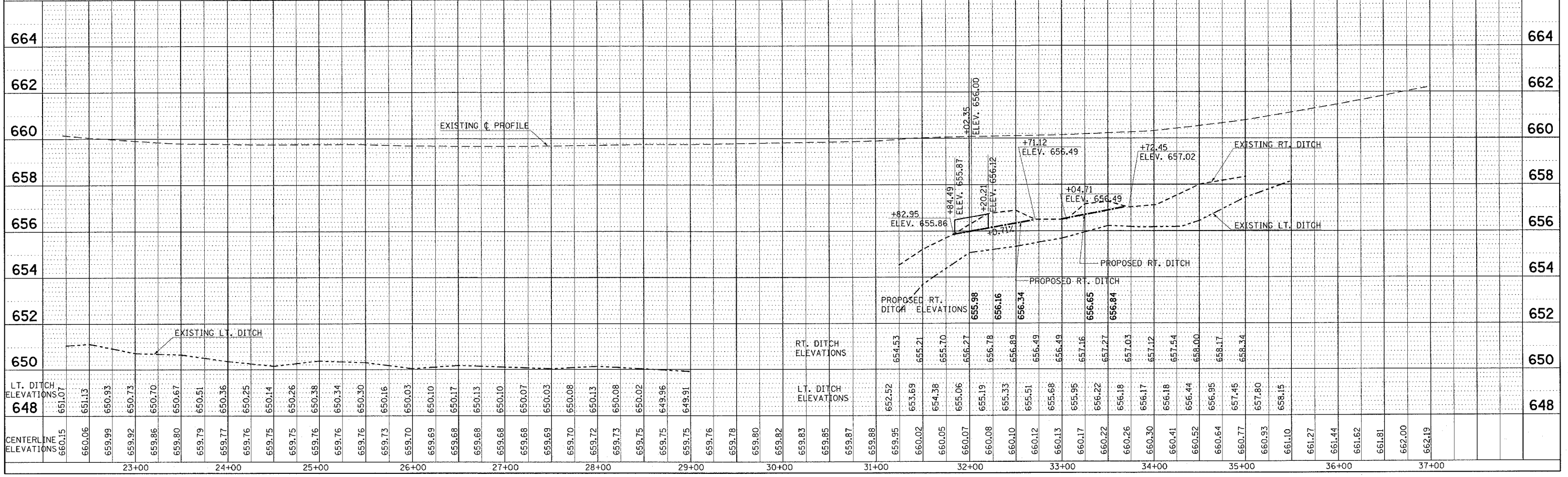
NOTE: THE INTENT OF THIS PROJECT IS TO PLACE 8 FOOT SHOULDERS WITHOUT REMOVING THE GUARDRAIL AT S.N. 021-0051. FIELD CONDITIONS WILL DETERMINE THE EXACT STATION FOR THE SHOULDER TERMINUS ON BOTH SIDES OF THE STRUCTURE. THE SHOULDER TERMINUS WILL BE DETERMINED BY THE ENGINEER.

PIPE CULVERT, CLASS D, TYPE 1  
STA. 32+02.35 (29.09' RT.)  
EQUIVALENT ROUND SIZE 18" x 36"  
U.S.F.L. = 656.12 (+20.21)  
D.S.F.L. = 655.87 (+84.49)

INCIDENTAL BITUMINOUS SURFACING

SEC. 6, T.15N., R.7E., 3rd P.M.  
DOUGLAS COUNTY

PROFILE	DATE
SUBMITTED	BY
PLotted	CHECKED
NOTE BOOK	RT. OF WAY CHECKED
NO.	PAID FILE NAME

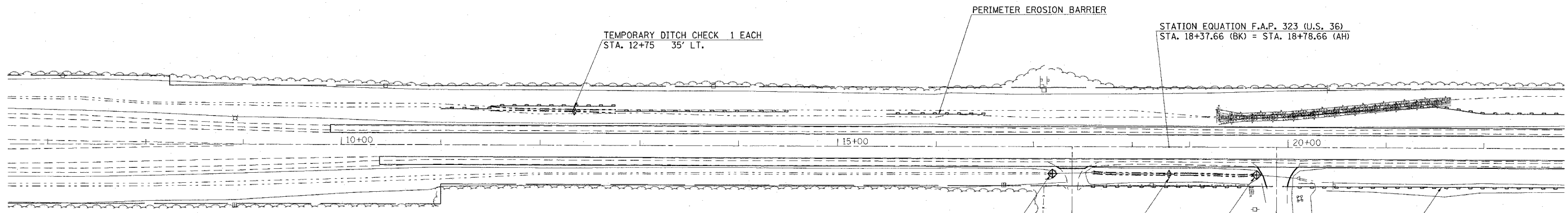


# EROSION CONTROL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	1431-1	DOUGLAS	67	12

CONTRACT NO. 70466

1"=50'



PERIMETER EROSION BARRIER

STATION	OFFSET	TO	STATION	OFFSET	FOOT
11+00.00	37' LT.		11+50.00	37' LT.	50
11+50.00	40' LT.		12+75.00	40' LT.	125
12+75.00	35' LT.		14+50.00	35' LT.	175
15+50.00	33' LT.		16+50.00	33' LT.	100
17+58.00	40' RT.		18+37.66 (BK)	40' RT.	80
18+78.66 (AH)	40' RT.		19+66.00	40' RT.	87
20+00.00	32' LT.		21+50.00	42' LT.	150
20+10.00	40' RT.		28+20.00	40' RT.	810
21+50.00	42' LT.		22+00.00	35' LT.	50
TOTAL					1627

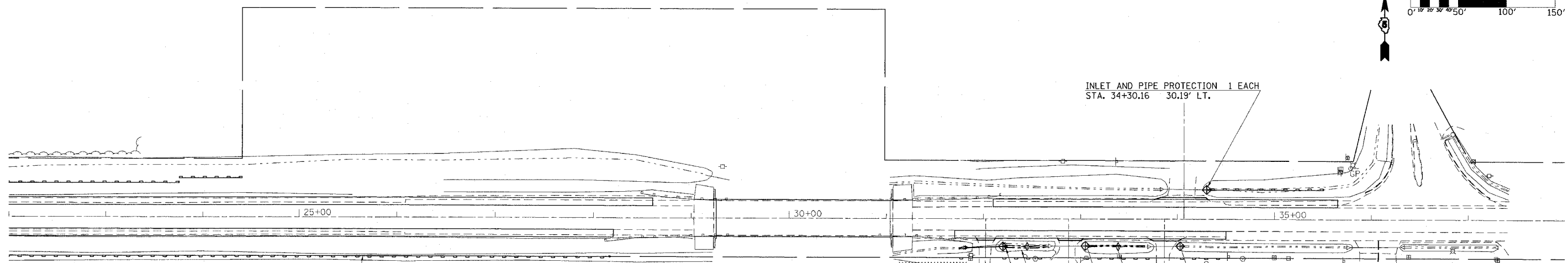
INLET AND PIPE PROTECTION 1 EACH  
STA. 17+19.35 27.37' RT.

TEMPORARY DITCH CHECK 1 EACH  
STA. 18+37.66 27.50' RT.

INLET AND PIPE PROTECTION 1 EACH  
STA. 19+67.88 28.17' RT.

PERIMETER EROSION BARRIER

1"=50'



PERIMETER EROSION BARRIER

PERIMETER EROSION BARRIER

STATION	OFFSET	TO	STATION	OFFSET	FOOT
22+00.00	35' LT.		23+75.00	35' LT.	175
23+75.00	40' LT.		24+50.00	40' LT.	75
31+75.00	40' RT.		31+85.00	40' RT.	10
32+20.00	40' RT.		32+70.00	40' RT.	50
33+05.00	40' RT.		33+71.00	40' RT.	66
34+03.00	40' RT.		34+50.00	40' RT.	47
34+30.00	30' LT.		35+50.00	30' LT.	120
TOTAL					543

INLET AND PIPE PROTECTION 1 EACH  
STA. 32+20.21 28.52' RT.

TEMPORARY DITCH CHECK 1 EACH  
STA. 32+45.67 28.50' RT.

INLET AND PIPE PROTECTION 1 EACH  
STA. 34+30.16 30.19' LT.

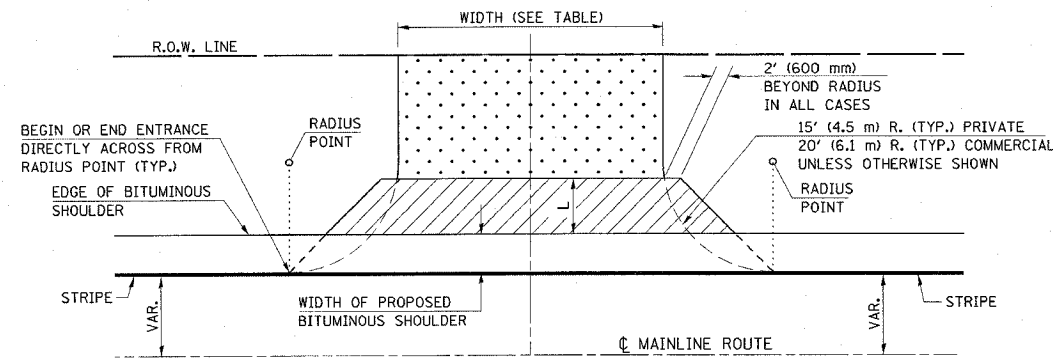
TEMPORARY DITCH CHECK 1 EACH  
STA. 33+38.58 28.50' RT.

INLET AND PIPE PROTECTION 1 EACH  
STA. 33+04.71 27.83' RT.



### TYPICAL DETAIL OF RURAL PRIVATE AND COMMERCIAL ENTRANCES

ADJACENT TO PROPOSED BITUMINOUS SHOULDERS  
(AGGREGATE OR EARTH)



#### ALLOWABLE ENTRANCE WIDTHS

	PRIVATE	COMMERCIAL
MIN.	12' (3.6 m)	24' (7.3 m)
MAX.	24' (7.3 m)	35' (10.7 m)

THE ALLOWABLE ENTRANCE WIDTHS SHALL BE INTERPRETED TO BE THE WIDTHS AT THE COMPLETED RADIUS, WHICH MAY BE LOCATED BEHIND THE EXISTING R.O.W. LINE.

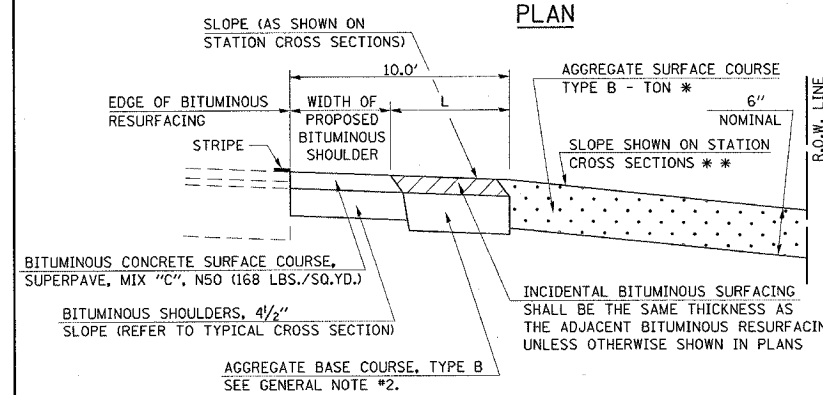
\*\* MIN. SLOPE = 1%  
MAX. SLOPE = 12%

\* EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.

#### GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
3. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' (0.3 m) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
4. ANY NECESSARY WORK BEHIND THE INCIDENTAL BITUMINOUS SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
5. ENTRANCE SIDESLOPES SHALL BE CONSTRUCTED TO 4:1 SLOPES UNLESS OTHERWISE SHOWN.

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

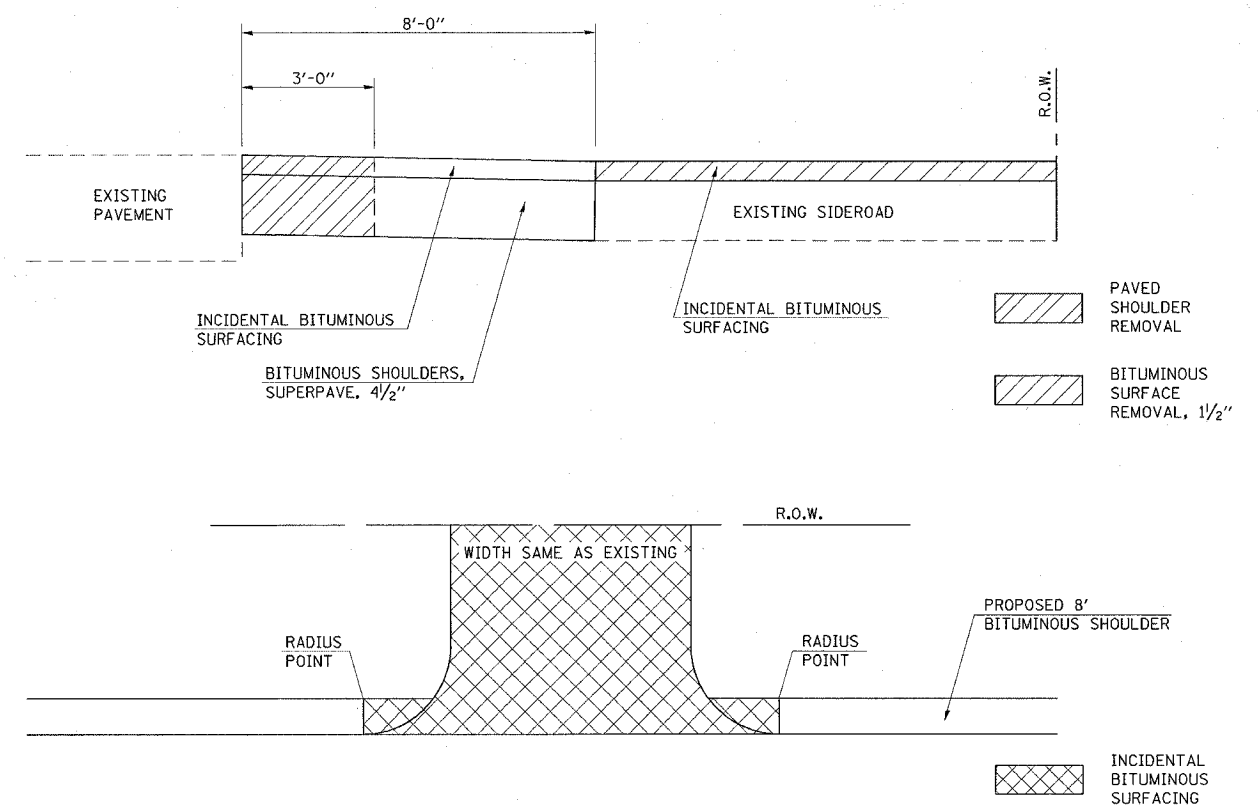


PROFILE

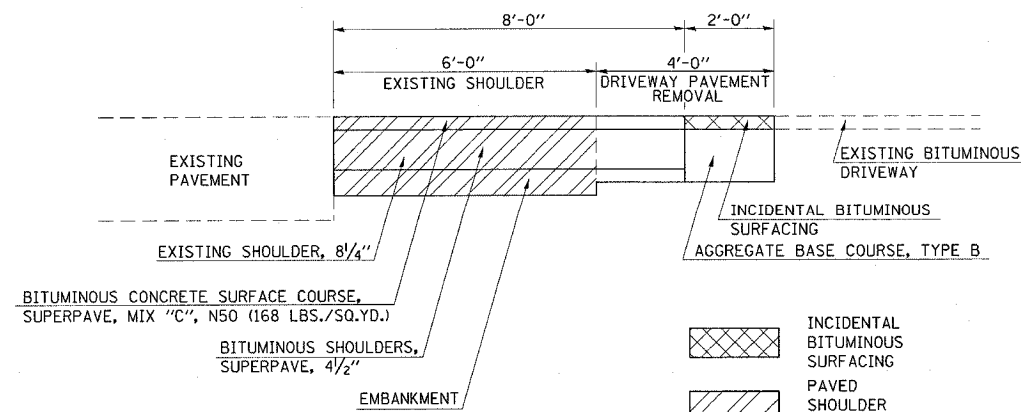
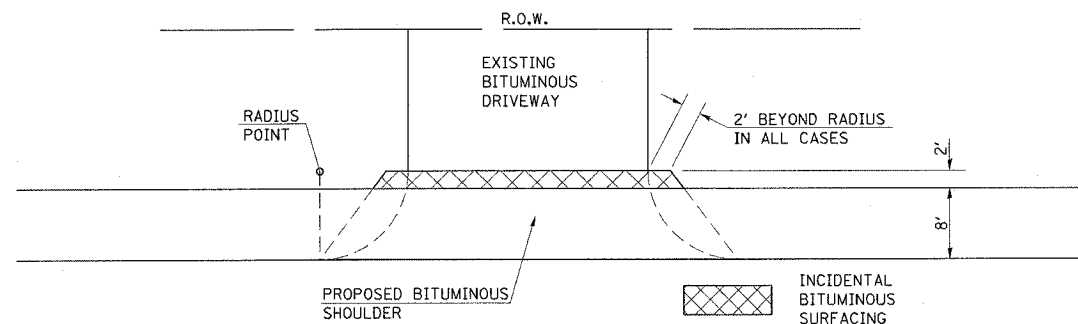
### DETAIL OF SIDEROAD AT RT. STATION 19+88.30

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	1431-1	DOUGLAS	67	13

CONTRACT NO. 70466



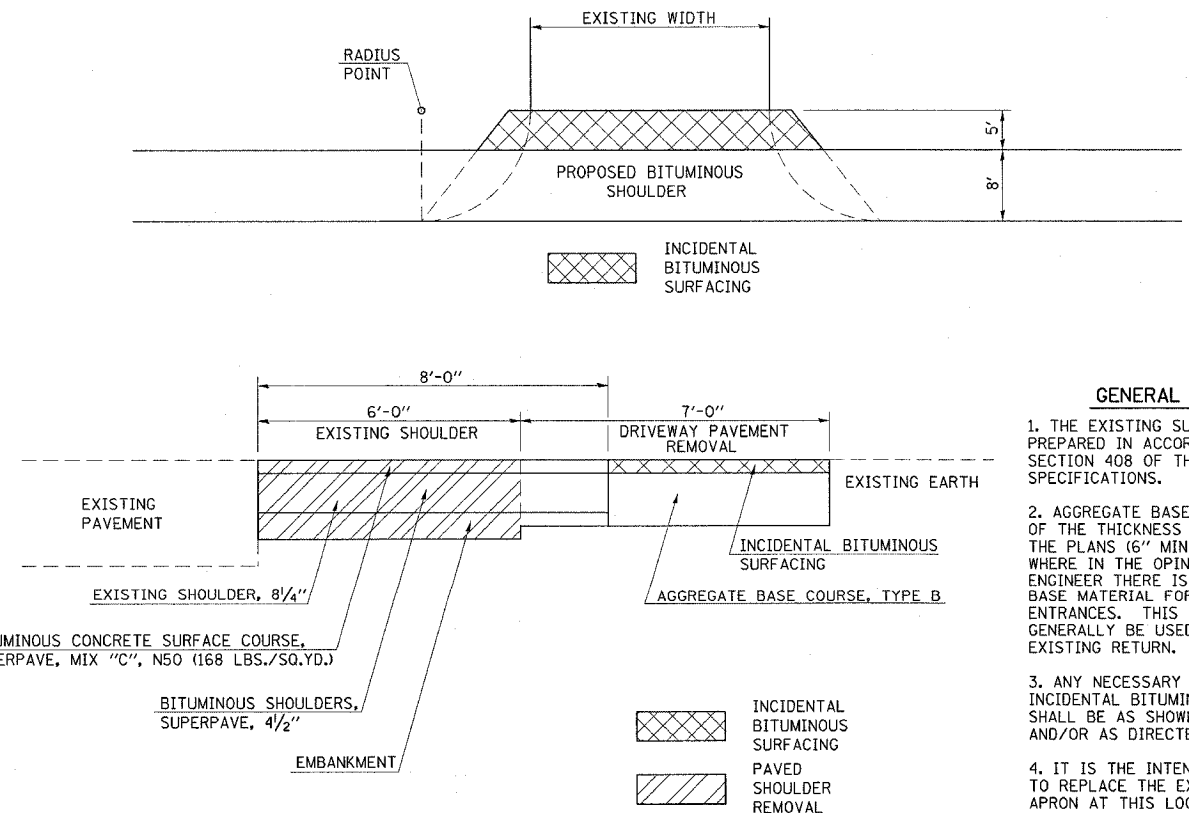
### DETAIL OF PRIVATE ENTRANCE AT RT. STATION 33+86.62



#### GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B OF THE THICKNESS SPECIFIED IN THE PLANS (6" MIN.) SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN.
3. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' WIDER THAN SURFACE DIMENSIONS.
4. ANY NECESSARY WORK BEHIND THE INCIDENTAL BITUMINOUS SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

### DETAIL OF PRIVATE ENTRANCE AT LT. STATION 34+06.81



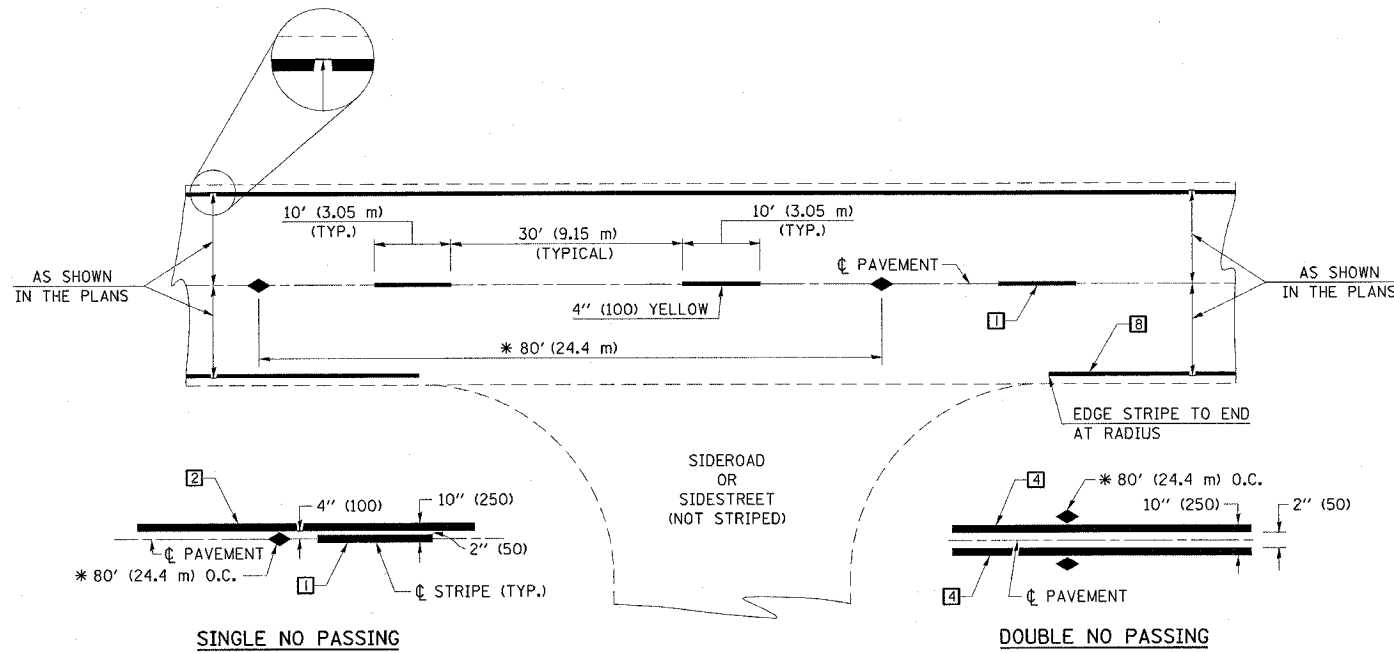
#### GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B OF THE THICKNESS SPECIFIED IN THE PLANS (6" MIN.) SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN.
3. ANY NECESSARY WORK BEHIND THE INCIDENTAL BITUMINOUS SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
4. IT IS THE INTENT OF THIS DETAIL TO REPLACE THE EXISTING BITUMINOUS APRON AT THIS LOCATION IN ITS ENTIRETY.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	143I-1	DOUGLAS	67	14

CONTRACT NO. 70466

### TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



\* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

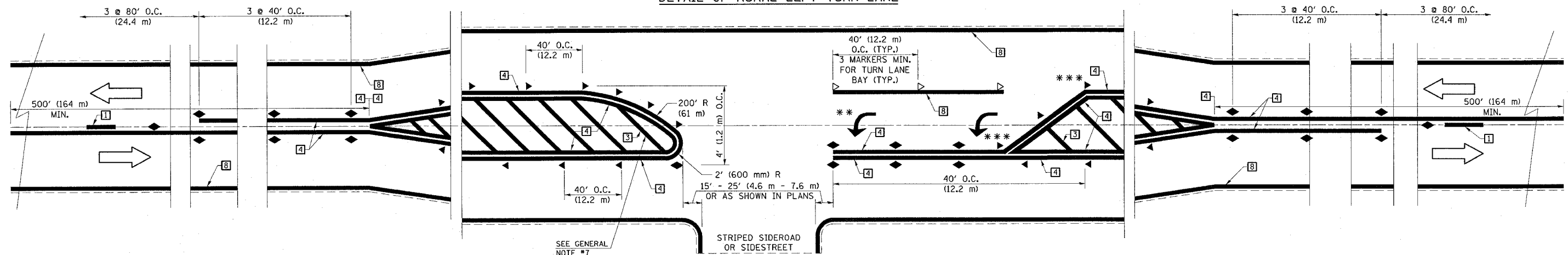
### TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
  - 2 4" (100) SOLID (YELLOW)
  - 3 12" (300) DIAGONAL (YELLOW)
  - 4 4" (100) DOUBLE YELLOW (NARROW)
  - 5 RESERVED
  - 6 RESERVED
  - 7 4" (100) SKIP-DASH (WHITE)
  - 8 4" (100) SOLID (WHITE)
  - 9 12" (300) DIAGONAL (WHITE)
  - 10 6" (150) CROSS WALK (WHITE)
  - 11 24" (600) STOP BAR (WHITE)
  - 12 8" (200) SOLID (WHITE)
  - 13 4" (100) LANE LINE EXTENSIONS (WHITE)
  - 14 4" (100) PARKING WHITE
- 

### TYPICAL PAVEMENT MARKERS LEGEND

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

### DETAIL OF RURAL LEFT TURN LANE



\*\*\* REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

\*\* TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

SHEET 1 OF 3

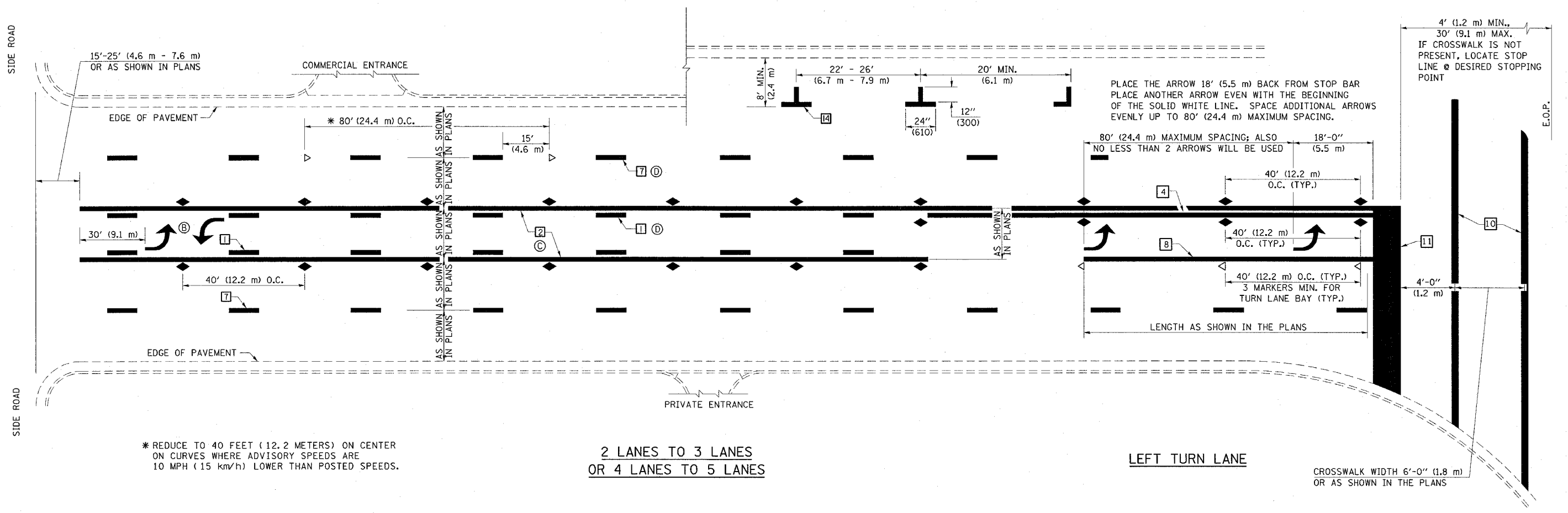
DESIGNED	NAME	DATE	REVISIONS
J.M.H.	J.M.H.	5/85	NAME
FMS	CTD	6/85	DATE
CADD NO.	F-5.25	6/88	GEOMETRICS/K.A.G.
			07/02
			08/04

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	1431-1	DOUGLAS	67	15

CONTRACT NO. 70466

# TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



\* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

2 LANES TO 3 LANES  
OR 4 LANES TO 5 LANES

LEFT TURN LANE

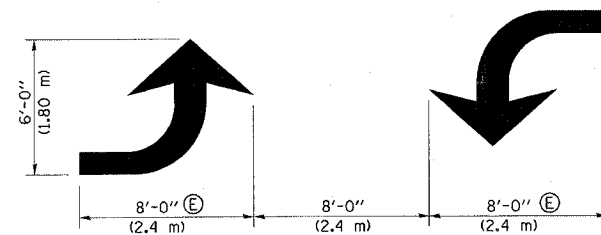
CROSSWALK WIDTH 6'-0" (1.8 m)  
OR AS SHOWN IN THE PLANS

SHEET 2 OF 3

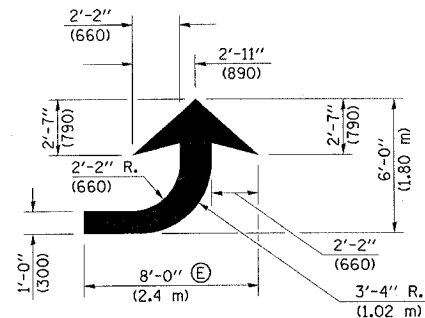
DESIGNED	NAME	DATE	REVISIONS
J.M.H.	J.M.H.	5/85	NAME
FMS	FMS	6/85	GEOMETRICS/K.A.G.
CTD	CTD	6/88	K.A.G.
CADD NO.	F-5.25		

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

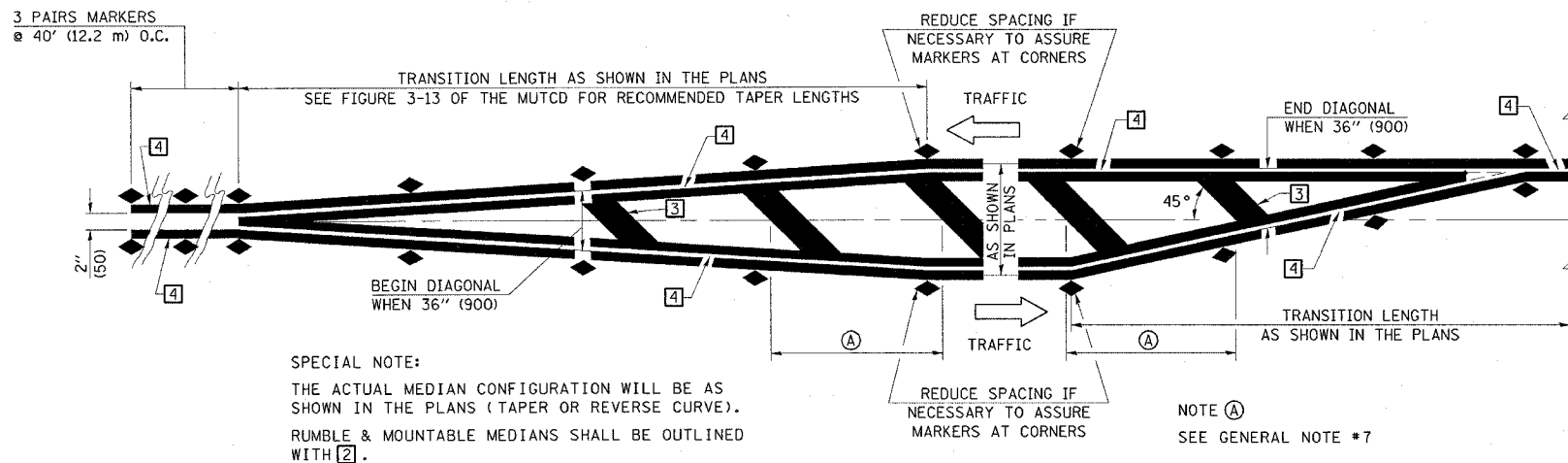
### TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



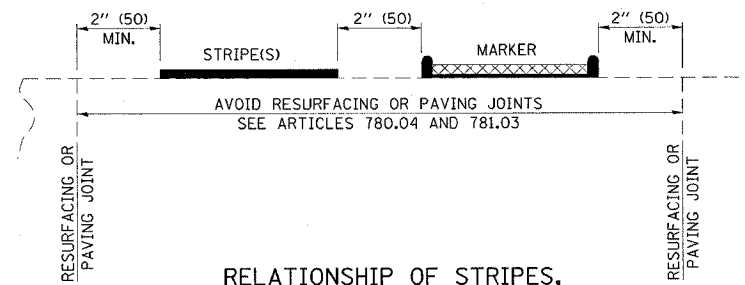
TYPICAL DOUBLE TURN ARROWS (WHITE)



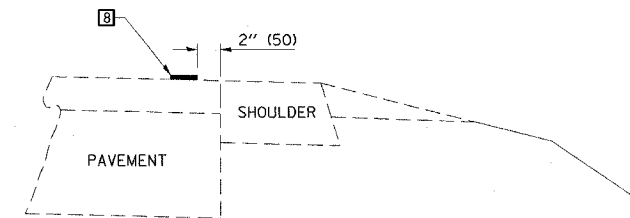
LEFT ARROW  
REVERSE FOR RIGHT ARROW  
AREA = 15.6 SQ. FT. (1.47 m<sup>2</sup>)  
(WHITE)



TYPICAL MEDIAN TRANSITIONS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



RELATIONSHIP OF EDGE STRIPE TO SAFETY SHOULDER OR PAVED SURFACE

SPECIAL NOTES:

- (B) TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
- (C) THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- (D) THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
- (E) TURN ARROW SIZE DEPENDS ON THE LOCATION.  
RURAL LOCATION - LARGE ARROW SIZE  
URBAN LOCATION - SMALL ARROW SIZE

GENERAL NOTES

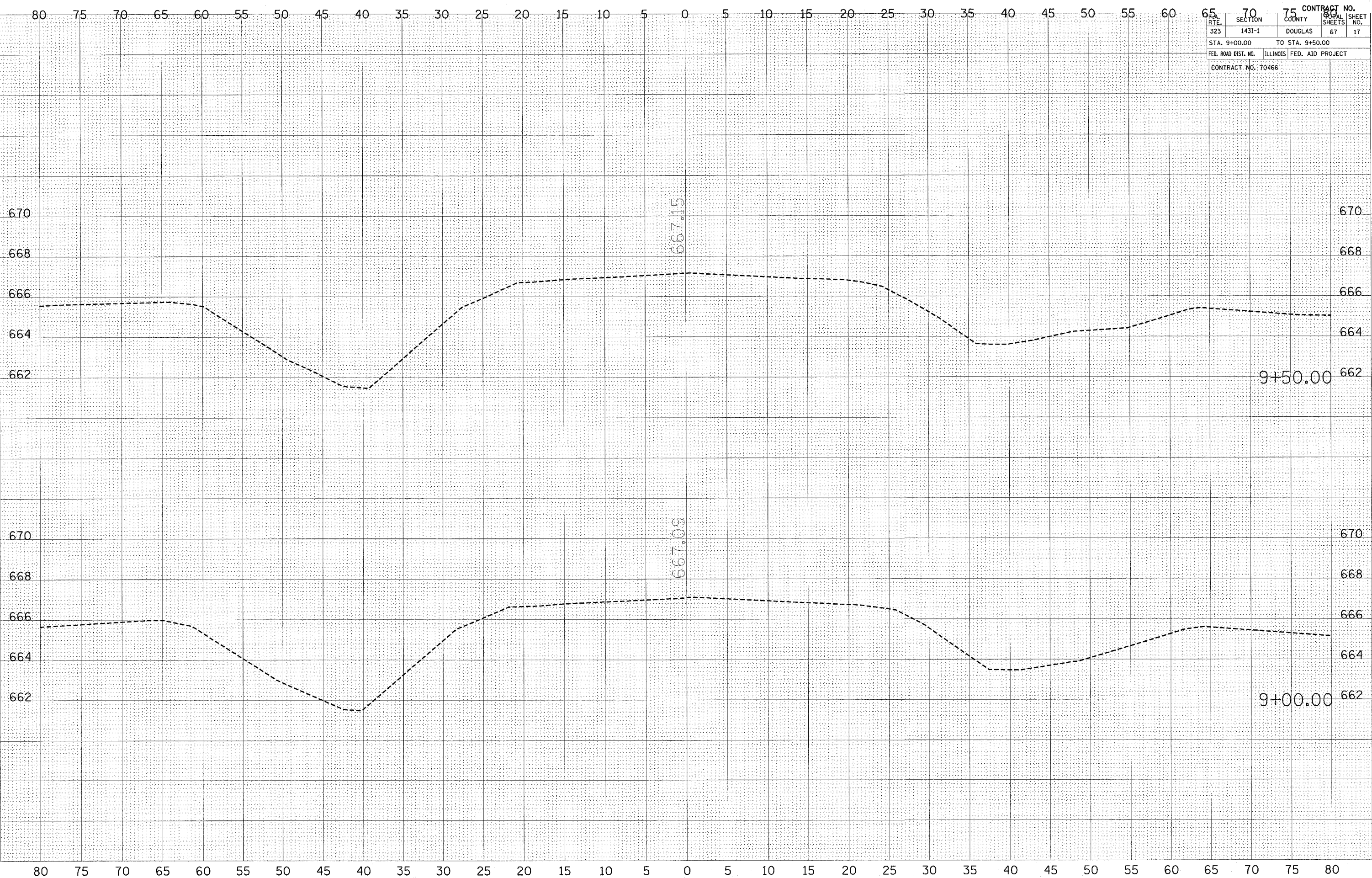
1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SCALE: NONE
3. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
4. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
5. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
6. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
7. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING.  
< 30 MPH USE 15' (< 50 km/h USE 4.5 m)  
30-45 MPH USE 20' (50-75 km/h USE 6.0 m)  
> 45 MPH USE 30' (> 75 km/h USE 9.0 m)

SHEET 3 OF 3

DESIGNED	NAME	DATE	REVISIONS	NAME	DATE
J.M.H.	J.M.H.	5/85			
CHECKED	FMS	6/85		GEOMETRICS/K.A.G.	07/02
CADD NO.	F-5.25	6/88		K.A.G.	08/04

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

CONTRACT NO.		75	
STATE	SECTION	COUNTY	SHEET NO.
323	1431-1	DOUGLAS	67
STA. 9+00.00		TO STA. 9+50.00	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70466			



DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 ORIGINAL SURVEY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 TEMPLATE: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_  
 NO.: \_\_\_\_\_

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 ORIGINAL SURVEY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 TEMPLATE: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_  
 NO.: \_\_\_\_\_

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 USER NAME = sbsm

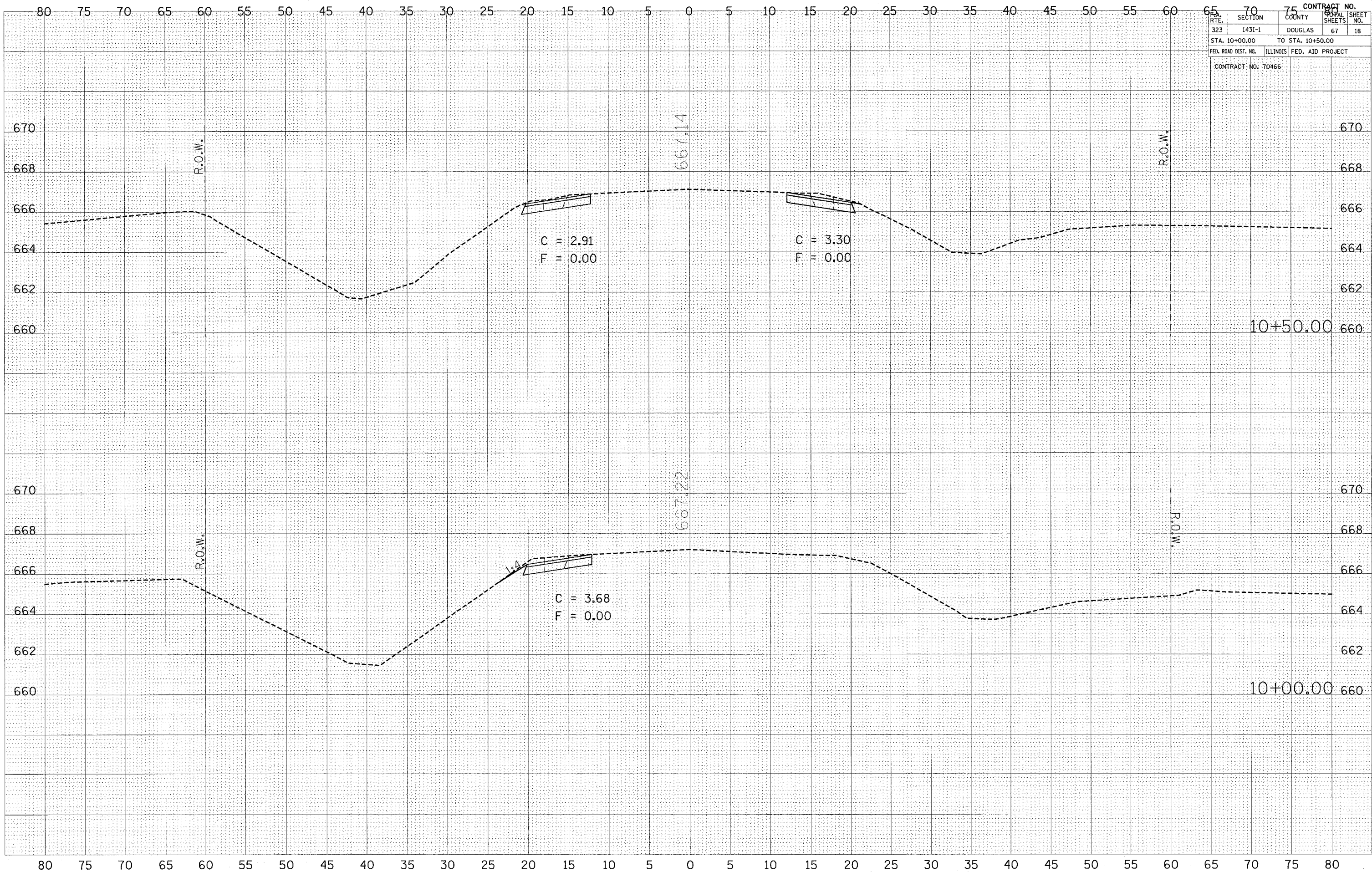


DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEY NO. \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

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

PLOT DATE = 3/30/2005  
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CONTRACT NO.	
RTE.	SECTION
323	1431-1
COUNTY	
DOUGLAS	
SHEET NO.	
67	18
STA. 10+00.00 TO STA. 10+50.00	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
CONTRACT NO. 70466	

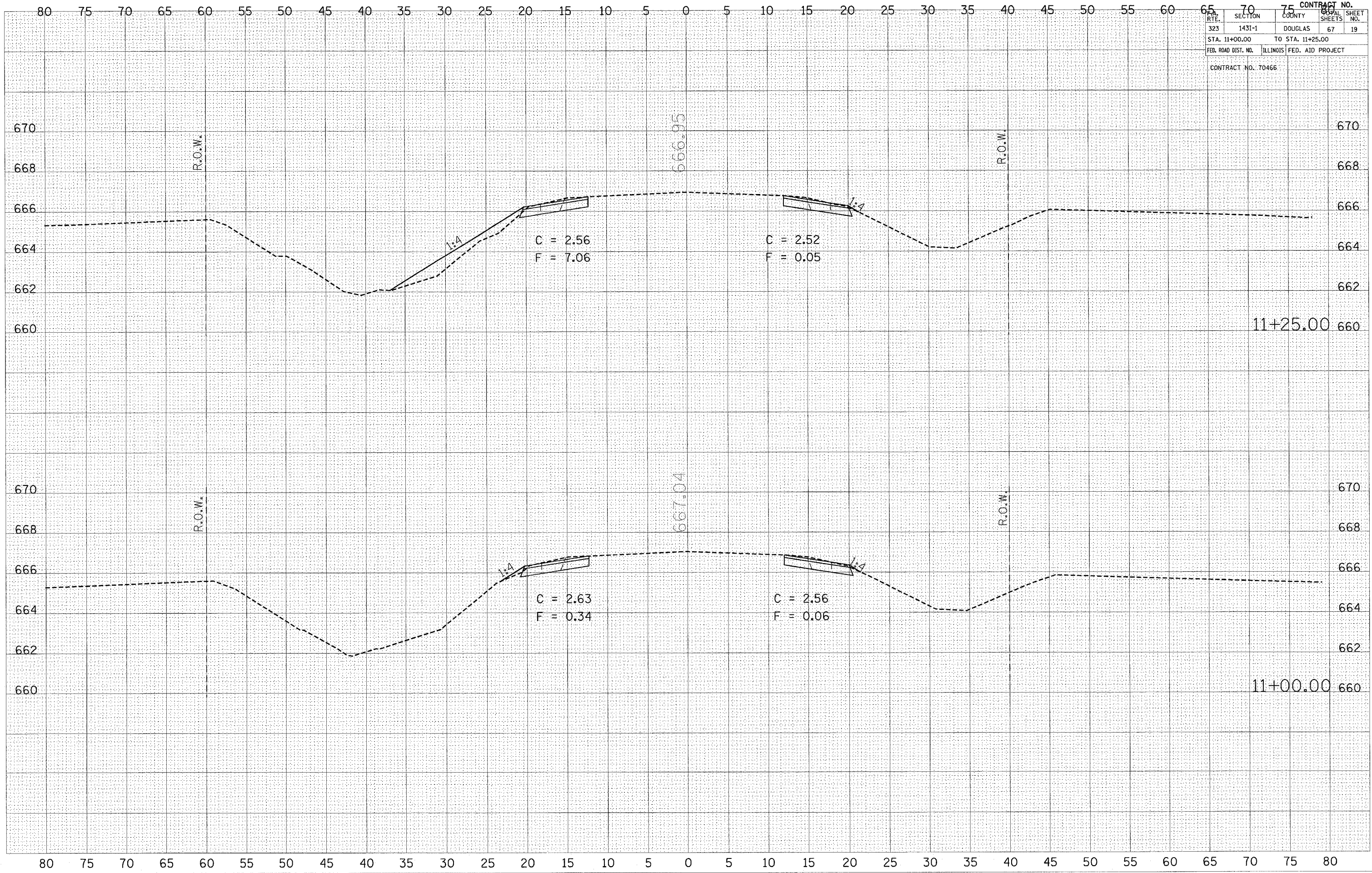


CONTRACT NO.				
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	1431-1	DOUGLAS	67	19
STA. 11+00.00		TO STA. 11+25.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70466				

FINAL SURVEY	NO.	DATE
REVISIONS		
BY		
DATE		
NO.		

ORIGINAL SURVEY	NO.	DATE
REVISIONS		
BY		
DATE		
NO.		

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 PLOT SCALE = 4:861.1 / IN.  
 USER NAME = jsharkey



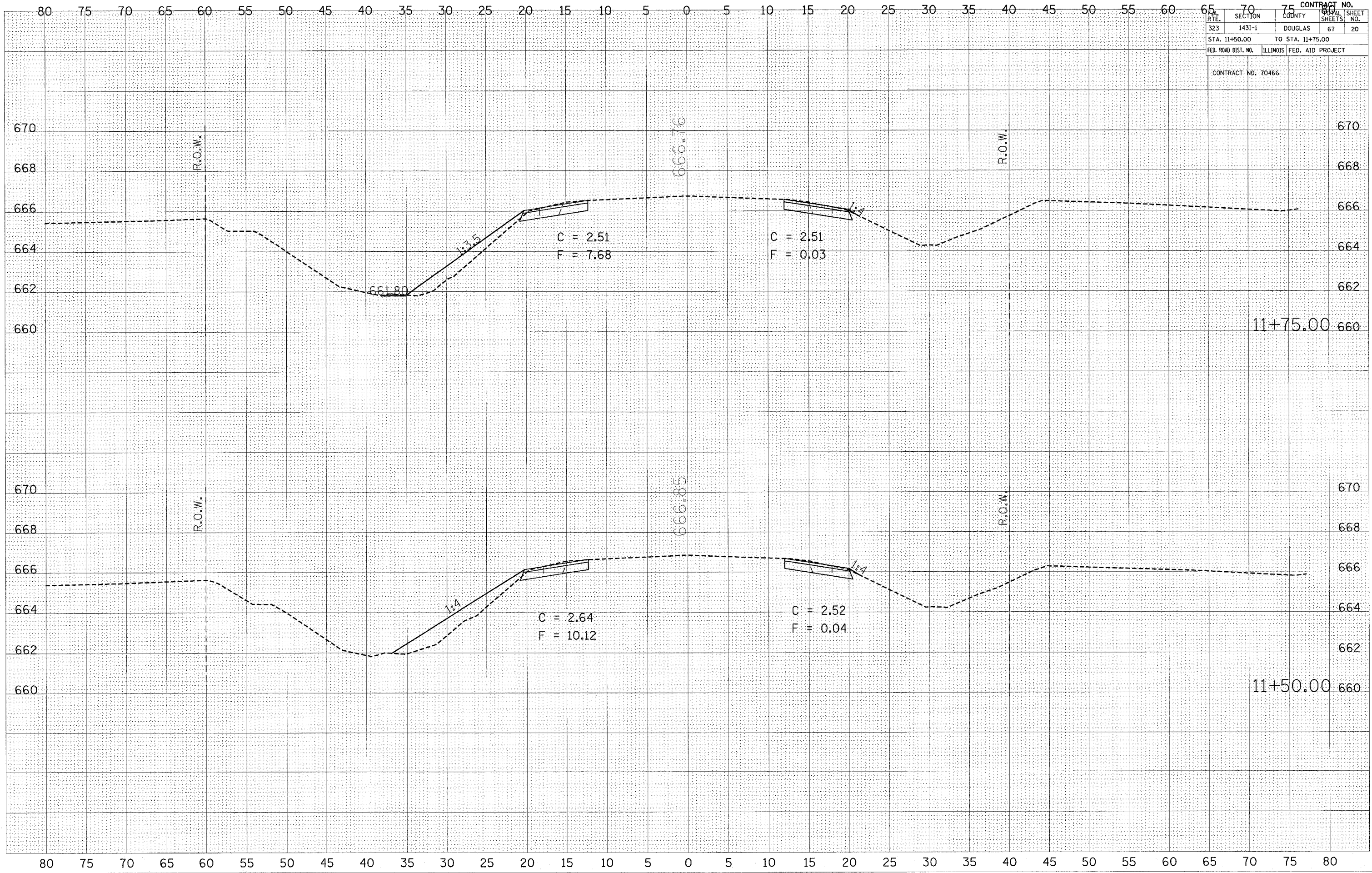


CONTRACT NO.				
ROUTE	SECTION	COUNTY	SHEET NO.	SHEET NO.
323	1431-1	DOUGLAS	67	20
STA. 11+50.00		TO STA. 11+75.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70466				

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

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

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 USER NAME = jsharkey



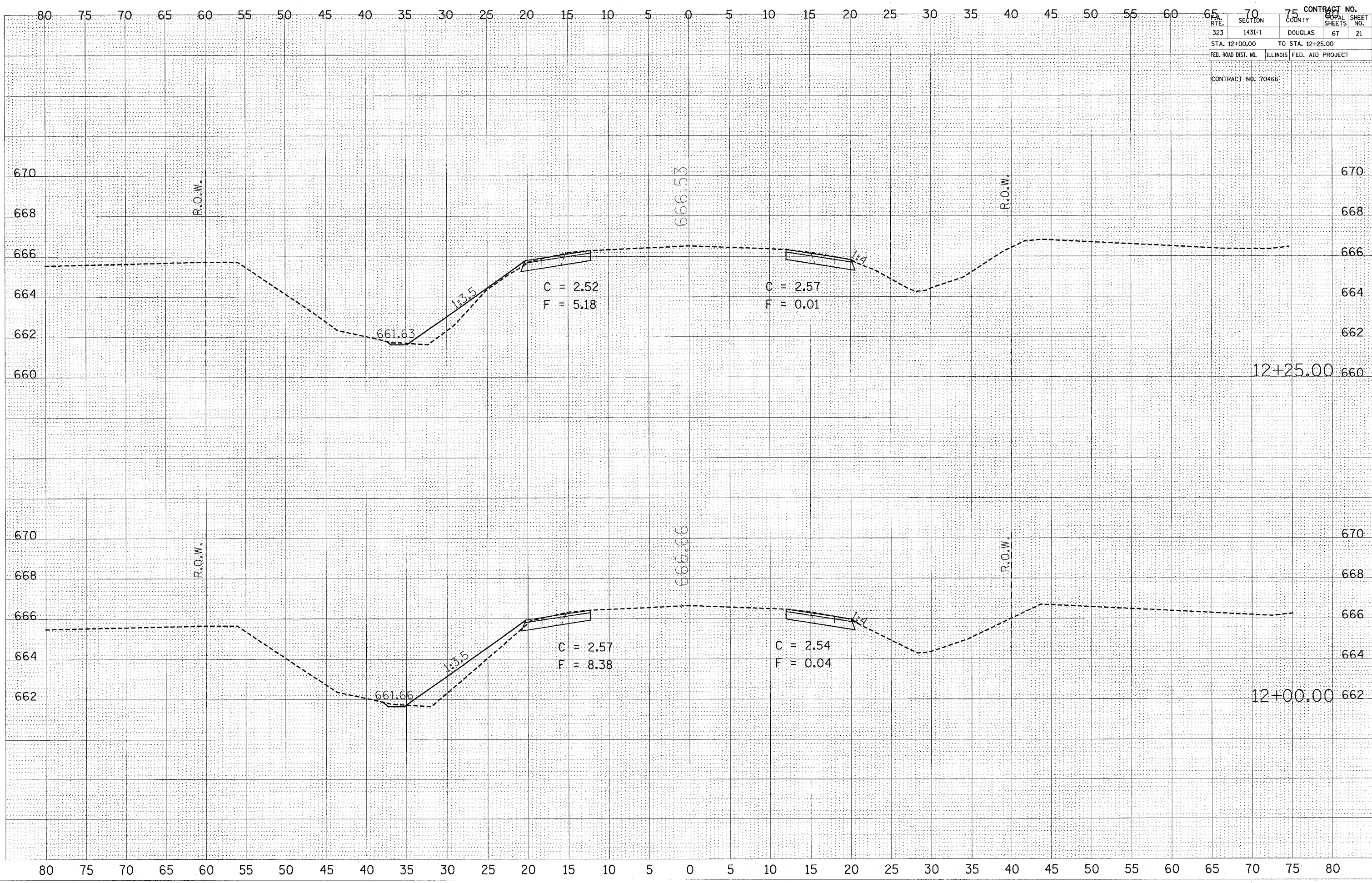


CONTRACT NO.	
323	1431-1
DOUGLAS	67 21
STA. 12+00.00	TO STA. 12+25.00
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
CONTRACT NO. 70466	

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

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

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 USER NAME = jmc  
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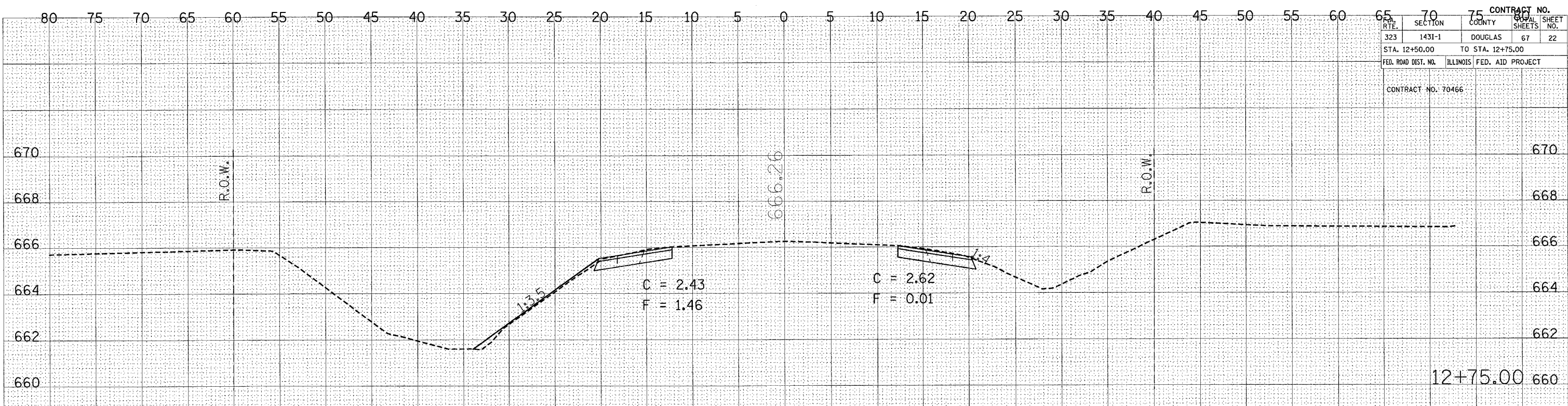


CONTRACT NO.		67	
RTE.	SECTION	COUNTY	SHEET NO.
323	1431-1	DOUGLAS	67
STA. 12+50.00		TO STA. 12+75.00	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	
CONTRACT NO. 70466			

FINAL SURVEY PLOTTED AREAS CHECKED

BY \_\_\_\_\_ DATE \_\_\_\_\_

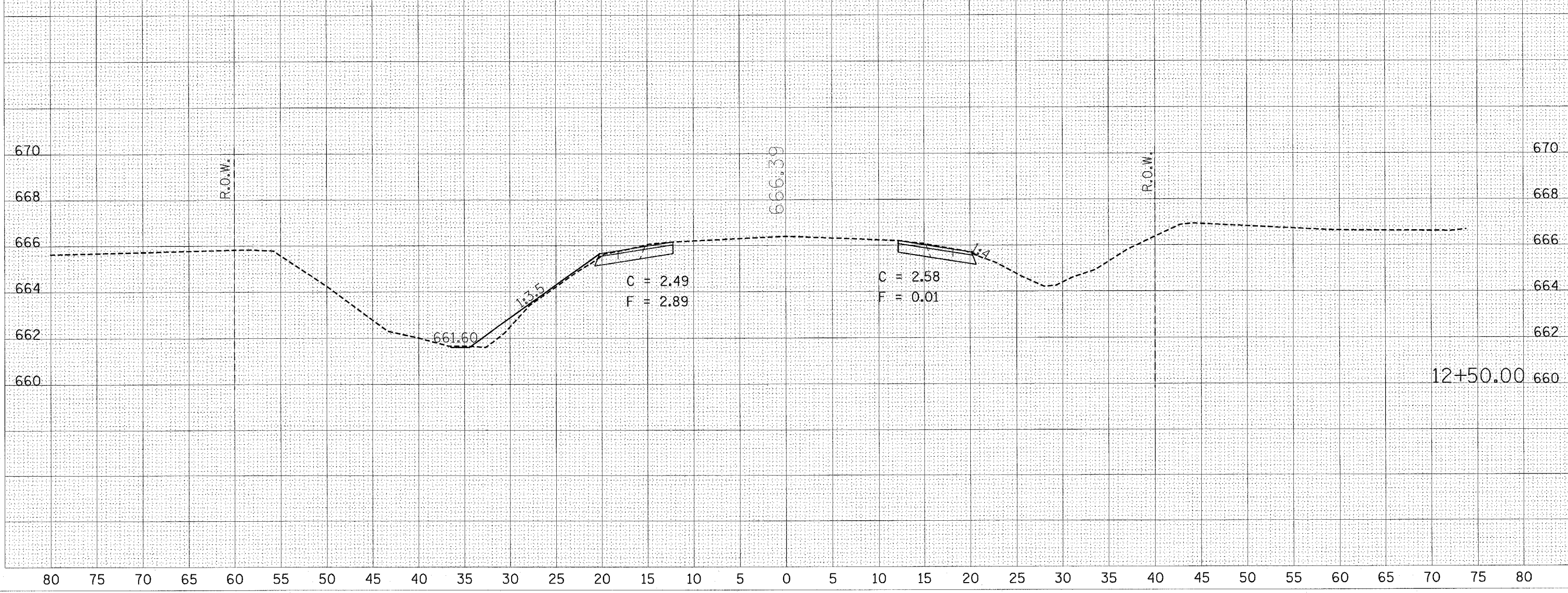
NO. \_\_\_\_\_



ORIGINAL SURVEY PLOTTED AREAS CHECKED

BY \_\_\_\_\_ DATE \_\_\_\_\_

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



PLOT DATE = 3/30/2005  
 PLOT SCALE = 4"=80'  
 USER NAME =

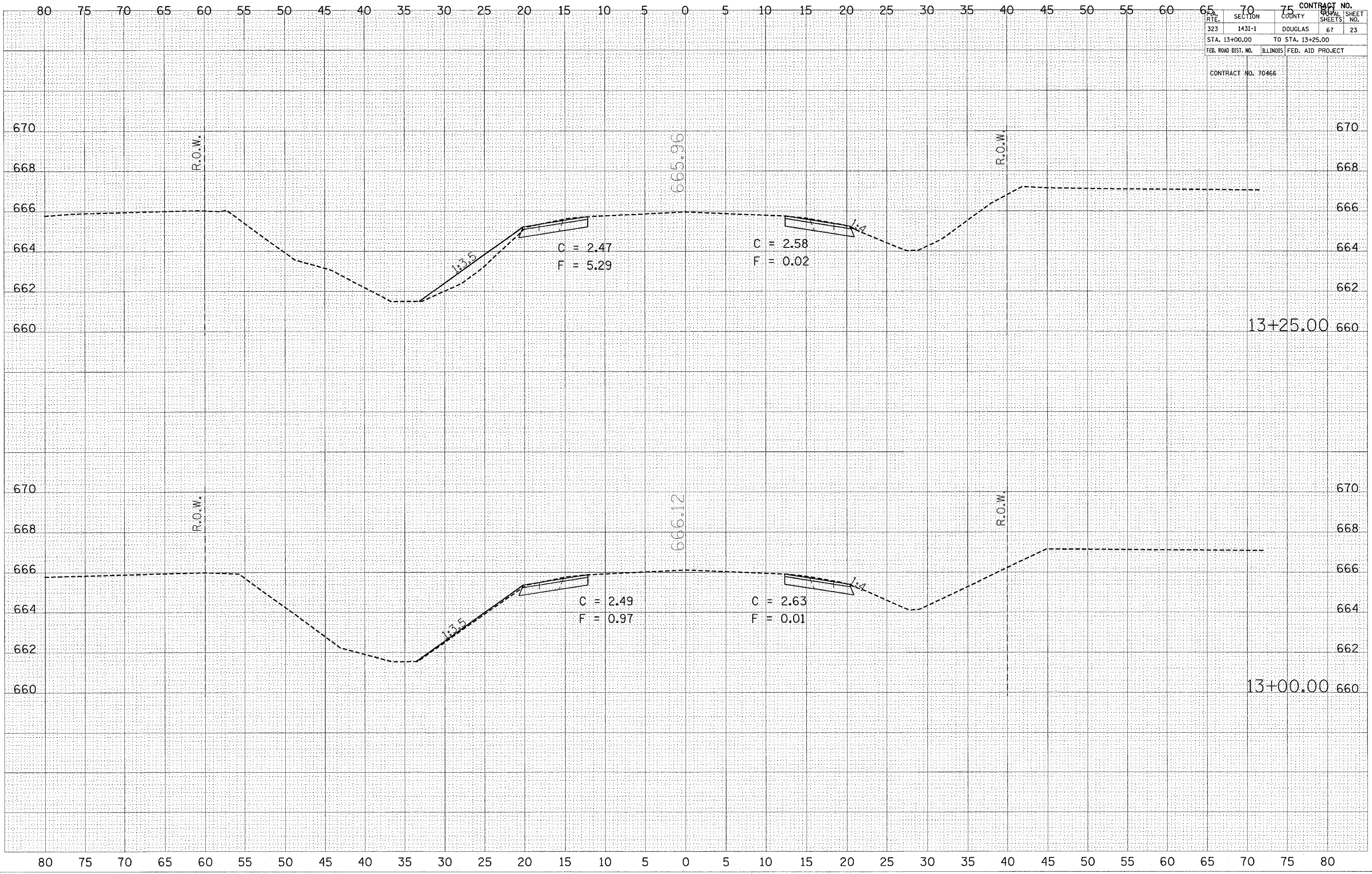


CONTRACT NO.	67
SHEET NO.	23
SECTION	1431-1
COUNTY	DOUGLAS
STA. 13+00.00 TO STA. 13+25.00	
FED. ROAD DIST. NO.	ILLINOIS
FED. AID PROJECT	
CONTRACT NO. 70466	

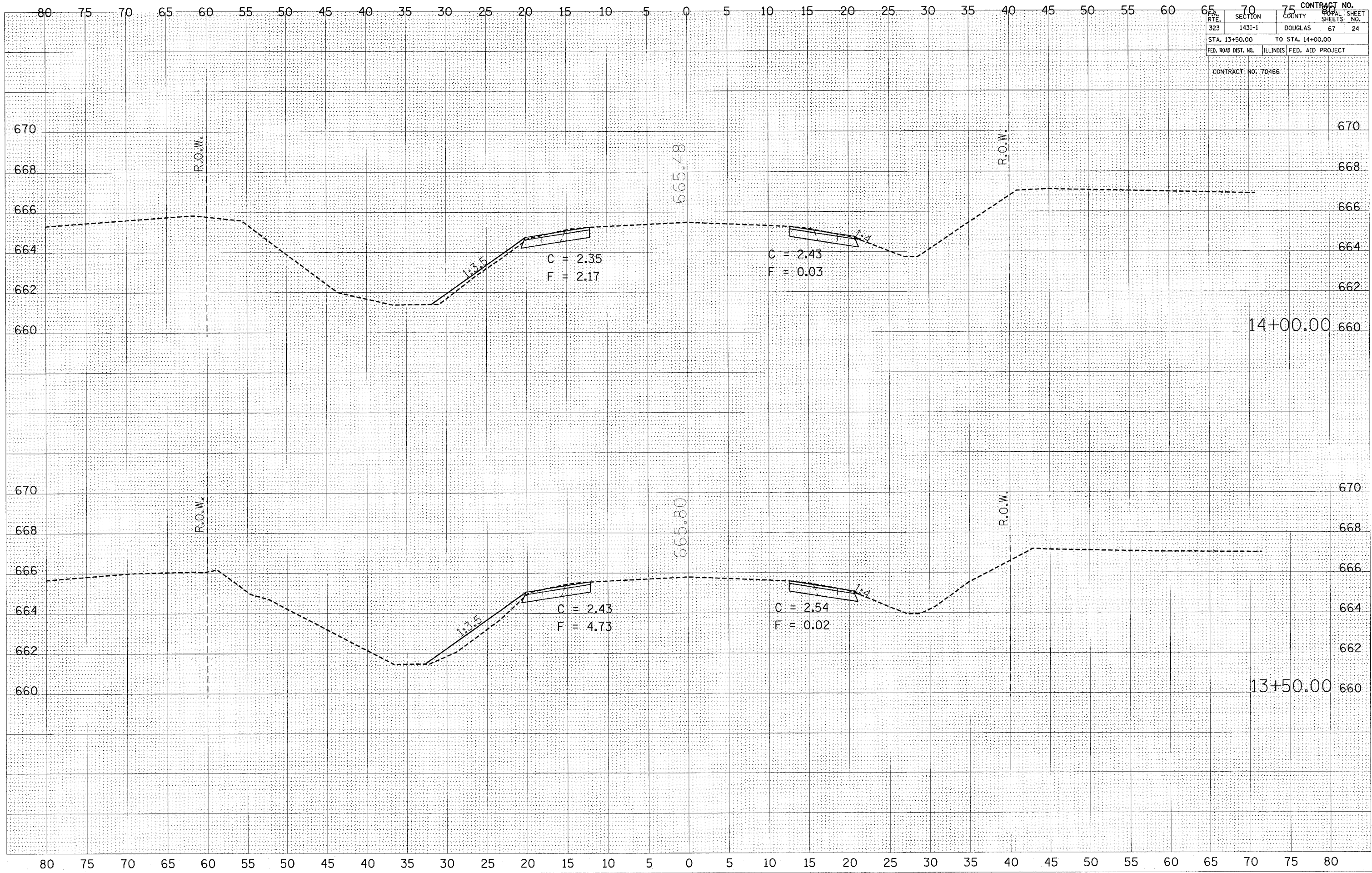
DATE	
BY	
SKETCHED	
PLOTTED	
TEMP. PLATE	
AREA CHECKED	
FINAL SURVEY	
NOTE BOOK NO.	

DATE	
BY	
SKETCHED	
PLOTTED	
TEMP. PLATE	
AREA CHECKED	
ORIGINAL SURVEY	
NOTE BOOK NO.	

PLOT DATE = 3/30/2005  
 FILE NAME = c:\projects\15601405\15601405.tbl  
 USER NAME = hpr1234



ROUTE	SECTION	COUNTY	CONTRACT NO.	
323	143I-1	DOUGLAS	67	24
STA. 13+50.00		TO STA. 14+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 70466				



FINAL SURVEY  
 NOTE BOOK  
 NO.

DATE  
 BY

DESIGNED  
 PLOTTED  
 TEMPLATE  
 AREAS CHECKED

ORIGINAL SURVEY  
 NOTE BOOK  
 NO.

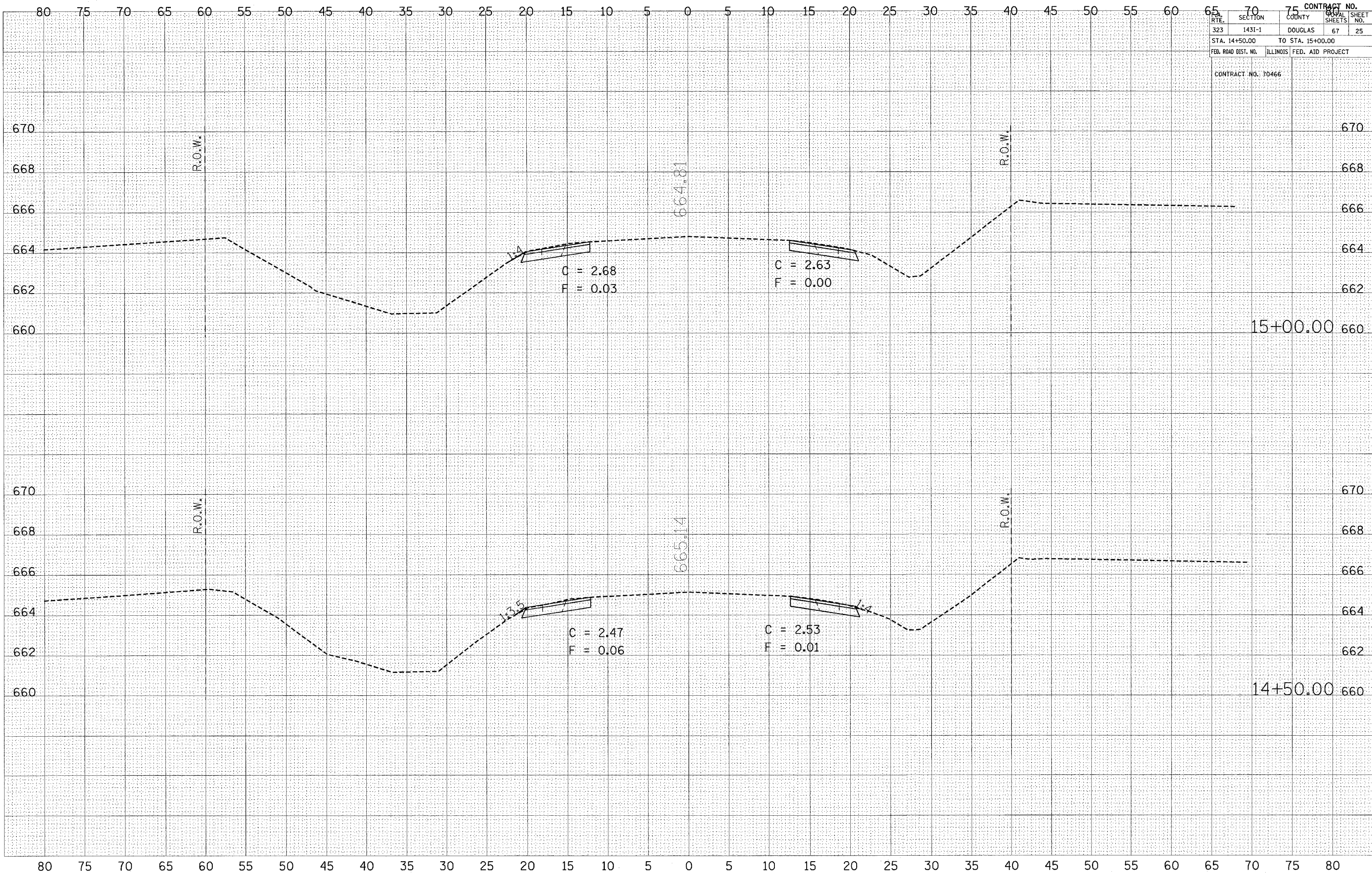
DATE  
 BY

DESIGNED  
 PLOTTED  
 TEMPLATE  
 AREAS CHECKED

PLOT DATE = 3/20/2005  
 FILE NAME = c:\proj\pcsa\6581485\6581485.dgn  
 PLOT SCALE = 4.9681 / IN.  
 USER NAME = jsp@csd.com



CONTRACT NO.		67	
SECTION	DOUGLAS	COUNTY	67
STA. 14+50.00	TO STA. 15+00.00		25
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 70466			



FINAL SURVEY NO. \_\_\_\_\_  
 SURVEYED BY \_\_\_\_\_  
 PLOTTED BY \_\_\_\_\_  
 TEMPLATE NO. \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

ORIGINAL SURVEY NO. \_\_\_\_\_  
 SURVEYED BY \_\_\_\_\_  
 PLOTTED BY \_\_\_\_\_  
 TEMPLATE NO. \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

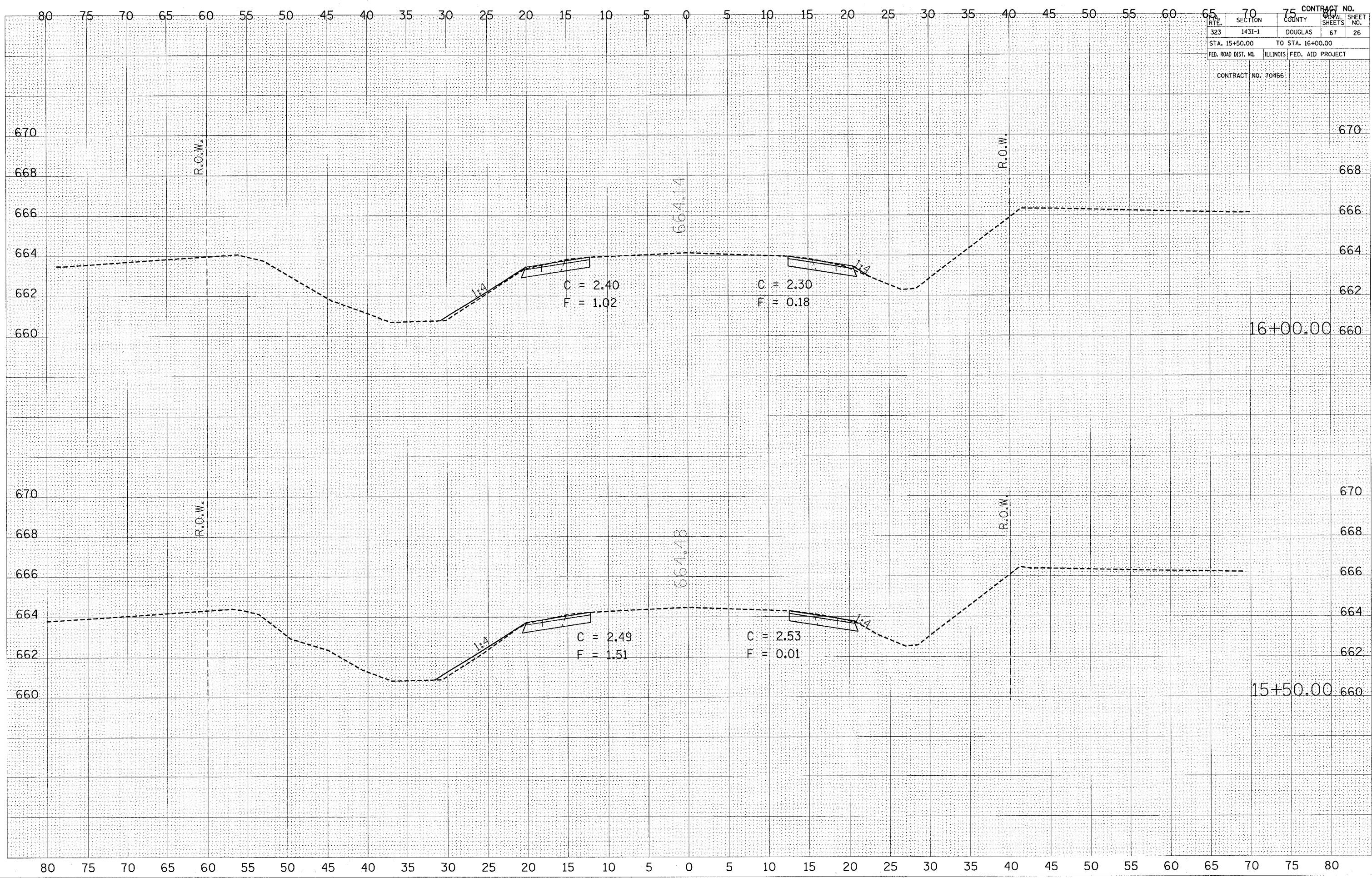
PLOT DATE = 3/30/2005  
 PLOT SCALE = 4"=100'  
 USER NAME = mactm

CONTRACT NO.	
RTE. 323	SECTION 1431-1
COUNTY DOUGLAS	SHEETS 67 26
STA. 15+50.00 TO STA. 16+00.00	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
CONTRACT NO. 70466	

FINAL SURVEY	CHECKED	DATE
NOTE BOOK	PLOTTED	
AREAS	TEMPLATE	
CHECKED	AREAS	

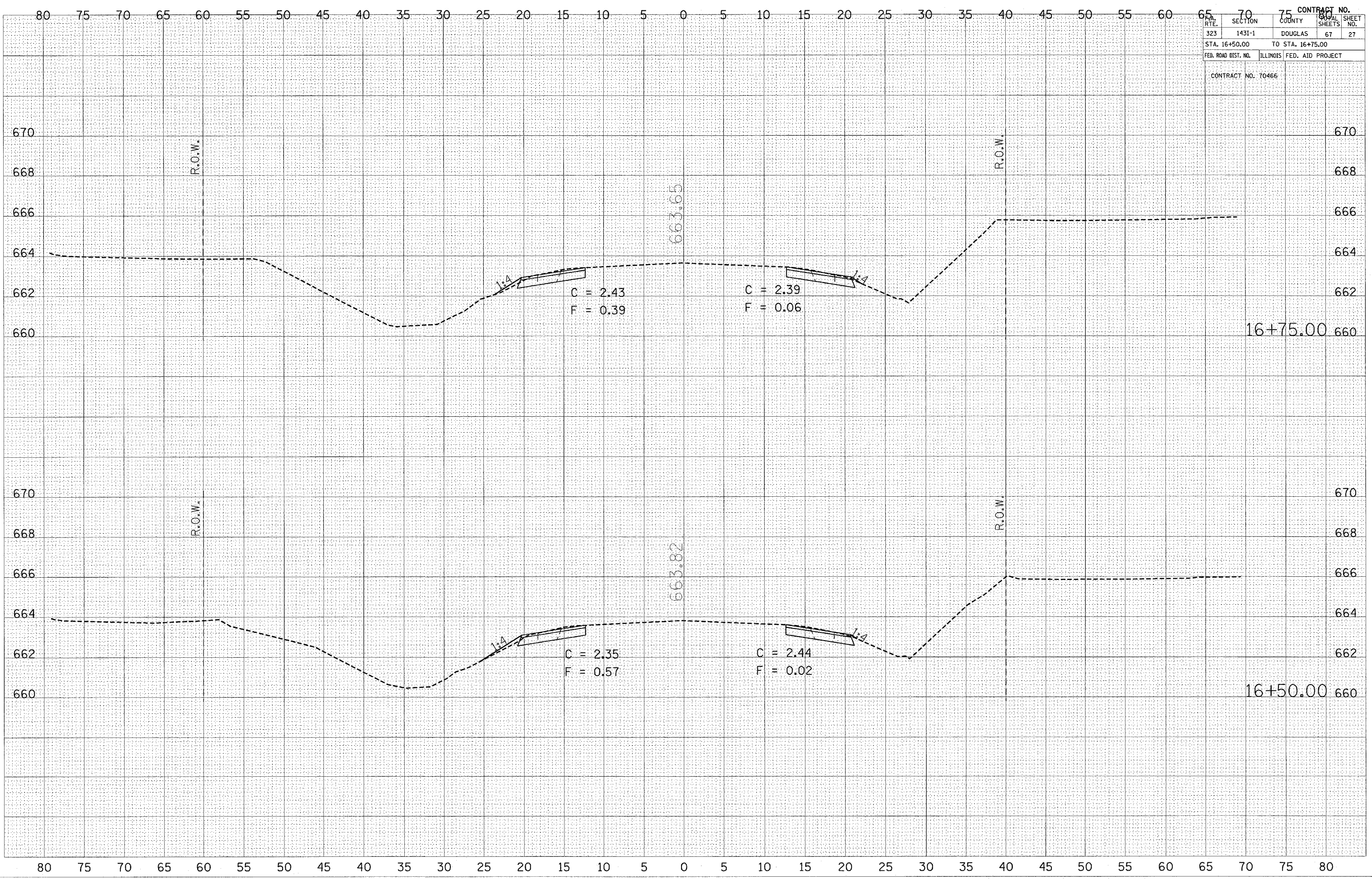
ORIGINAL SURVEY	CHECKED	DATE
NOTE BOOK	PLOTTED	
AREAS	TEMPLATE	
CHECKED	AREAS	

PLOT DATE = 3/30/2005  
 FILE NAME = c:\projects\4581485\4581485.dwg  
 PLOT SCALE = 4:850 / IN.  
 USER NAME = smc





RTE.	SECTION	COUNTY	SHEET NO.	CONTRACT NO.
323	143I-1	DOUGLAS	67	70466
STA. 16+50.00		TO STA. 16+75.00		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT



FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	AREAS CHECKED	

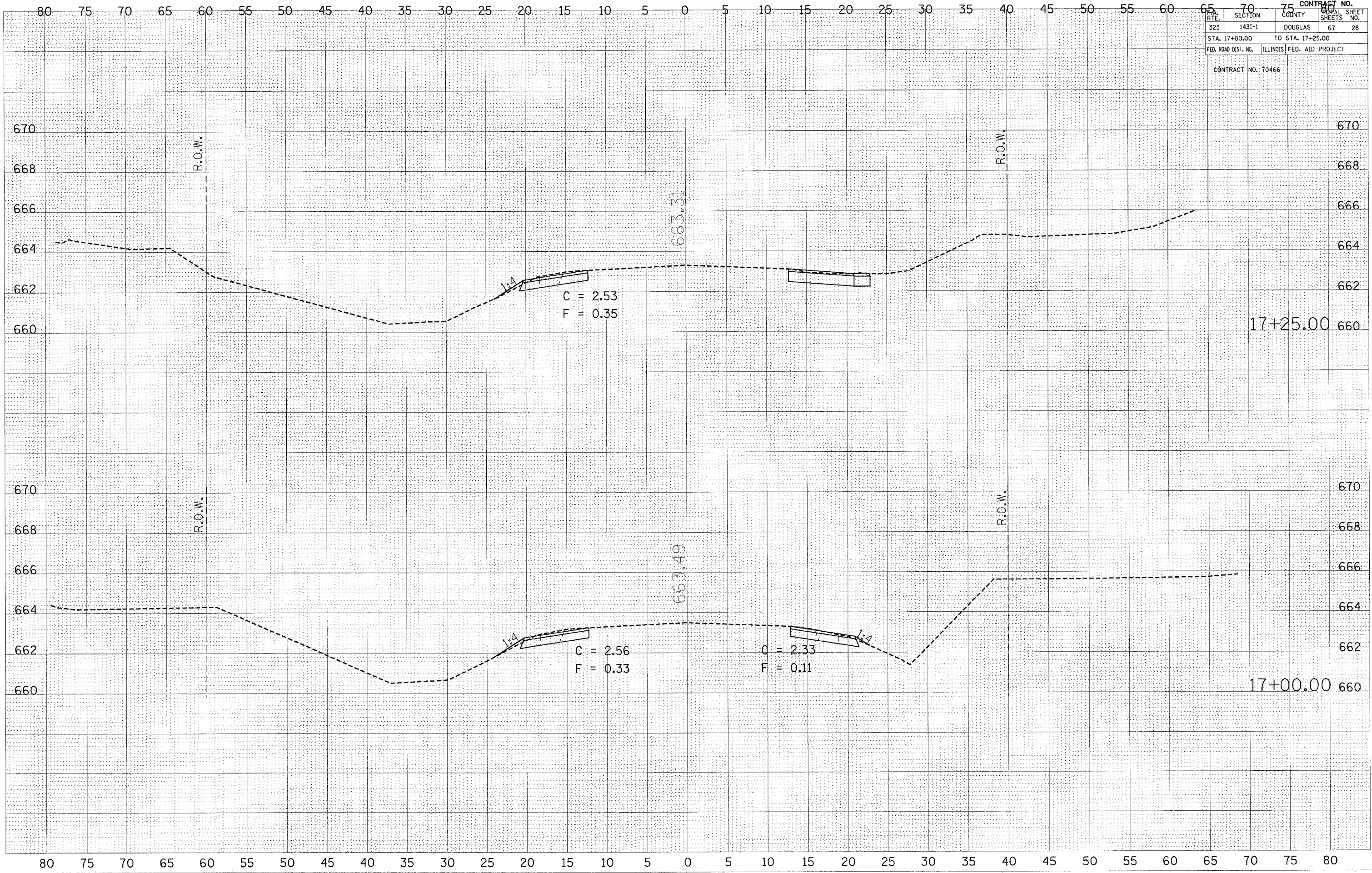
PLOT DATE = 3/30/2005  
 PLOT SCALE = 4:1  
 USER NAME = mbr...

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

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

PLOT DATE = 3/30/2005  
 FILE NAME = c:\p\proj\era\681405\681405.dwg  
 USER NAME = j...  
 USER NAME = j...

CONTRACT NO.			
RTE.	SECTION	COUNTY	SHEET NO.
323	1431-1	DOUGLAS	67 28
STA. 17+00.00		TO STA. 17+25.00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
CONTRACT NO. T0466			



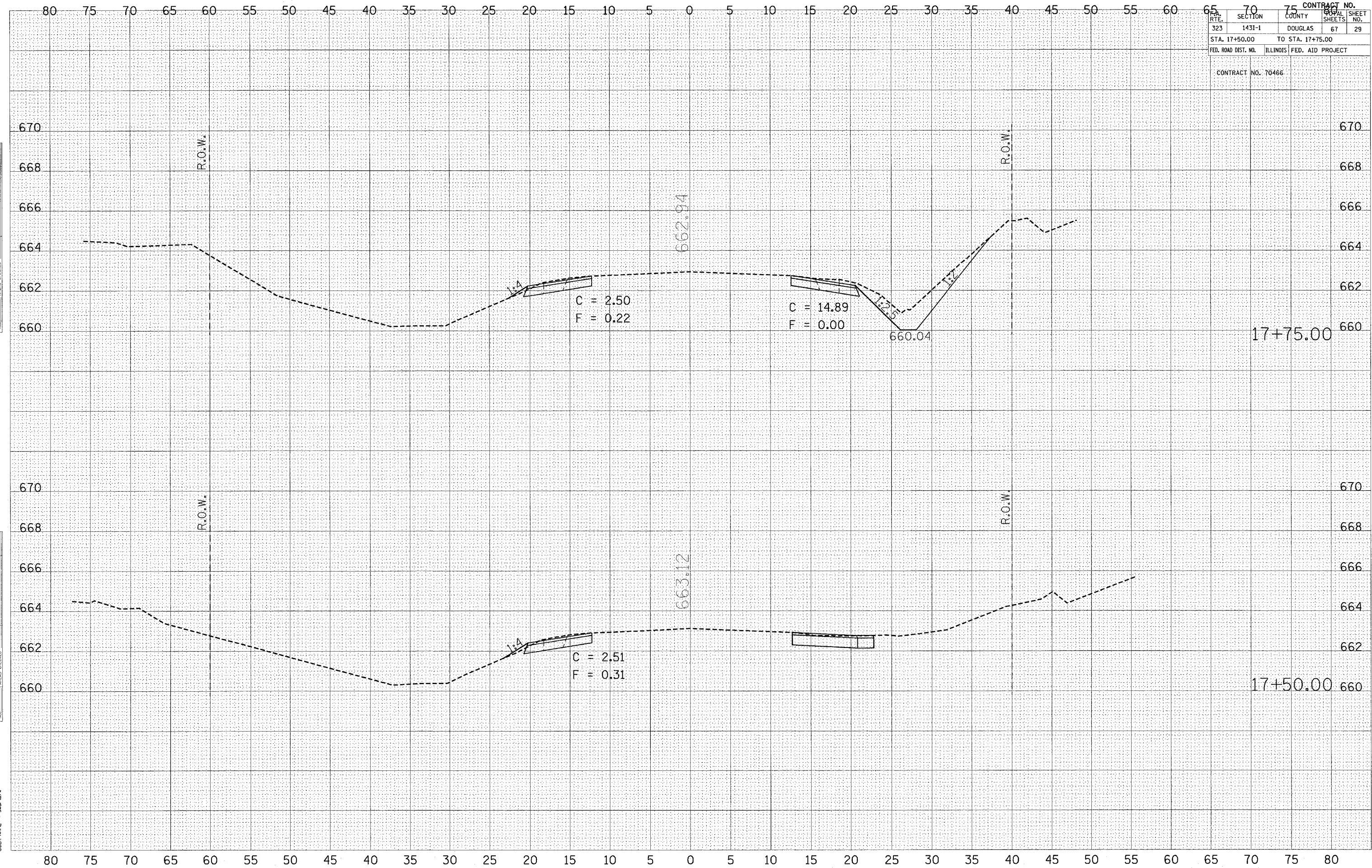


CONTRACT NO.		75	
RTE.	SECTION	COUNTY	SHEET NO.
323	1431-1	DOUGLAS	67
STA. 17+50.00		TO STA. 17+75.00	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			
CONTRACT NO. 70466			

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

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

PLOT DATE = 9/28/2005  
 FILE NAME = C:\Users\6691485\168\un36\452\2876\17+50-75.dwg  
 PLOT SCALE = 4.3861 / IN.  
 USER NAME = awo-trv

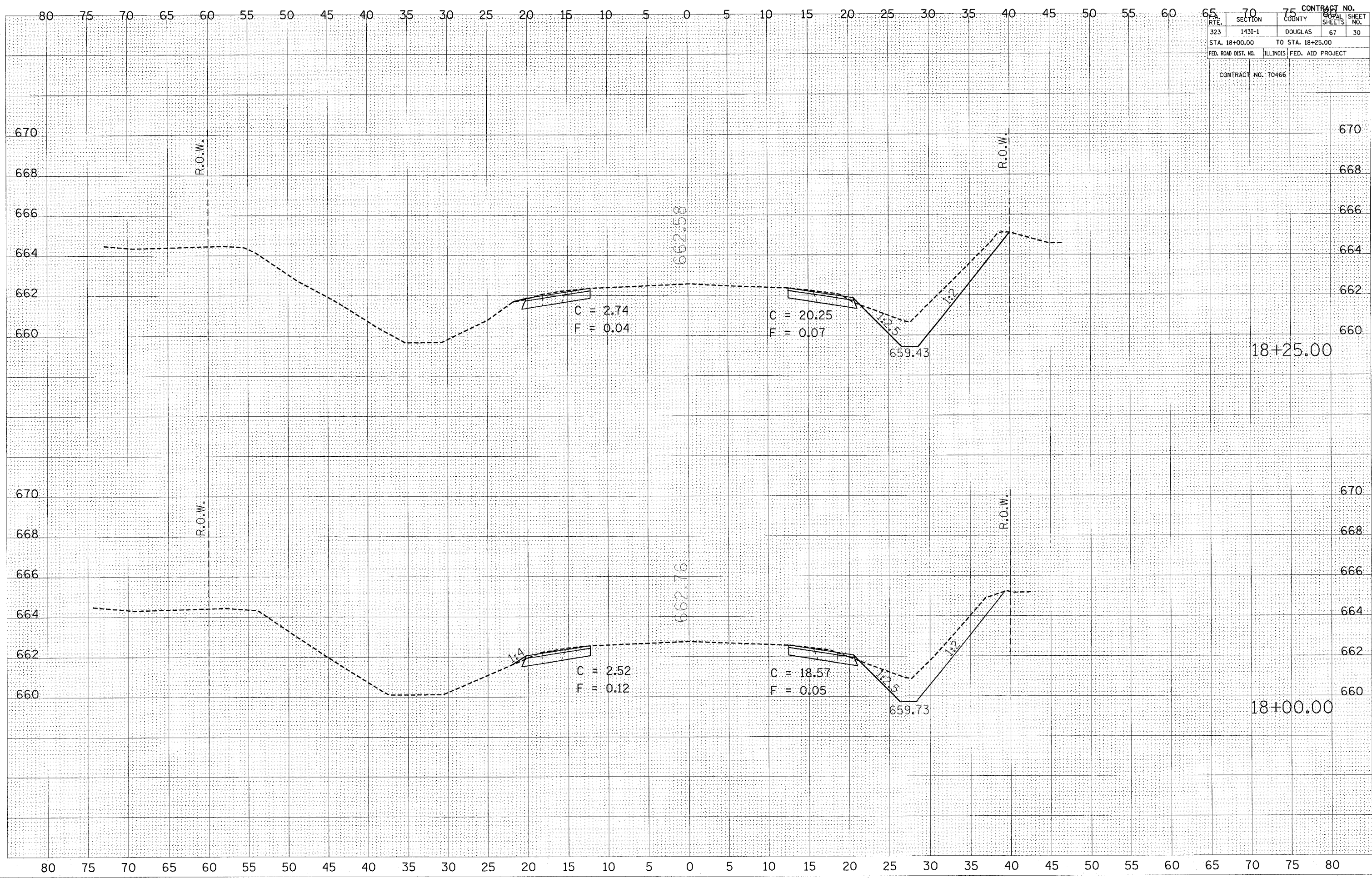


CONTRACT NO.	
323	143I-1
DOUGLAS	67
STA. 18+00.00	TO STA. 18+25.00
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
CONTRACT NO. 70466	

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

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

PLOT DATE = 3/30/2005  
 FILE NAME = c:\projects\18011405 (4)\18011405.dwg  
 PLOT SCALE = 4:861 / IN.  
 USER NAME = mstzr







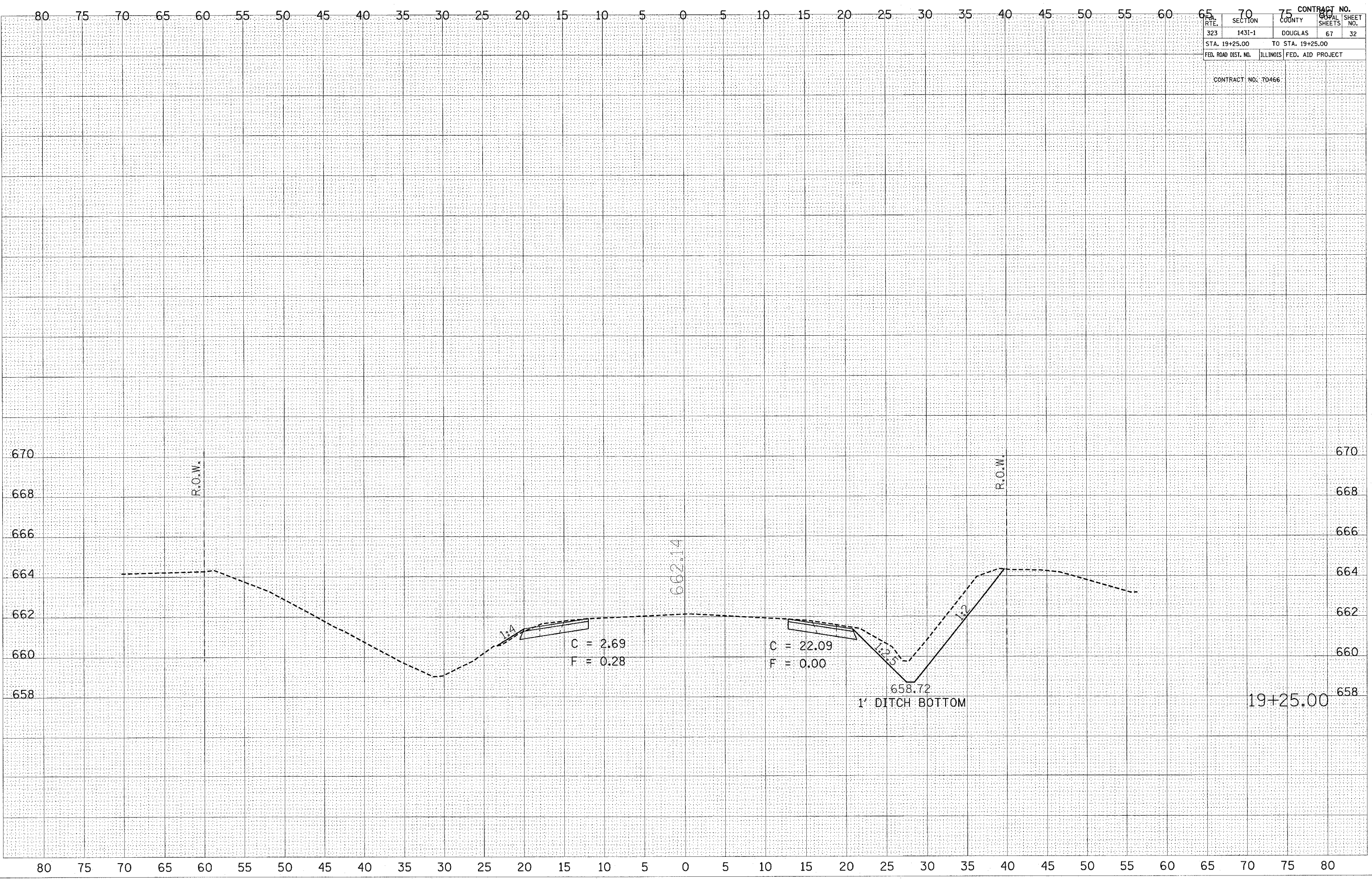
CONTRACT NO.		SHEET NO.	
323	1431-1	DOUGLAS	67
STA. 19+25.00 TO STA. 19+25.00		TO STA. 19+25.00	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	

CONTRACT NO: 70466

DATE	BY

DATE	BY

PLOT DATE = 9/30/2006  
 FILE NAME = C:\Users\user1485\OneDrive\Documents\19+25.00.dwg  
 PLOT SCALE = 4.9661' / IN.  
 USER NAME = user1485



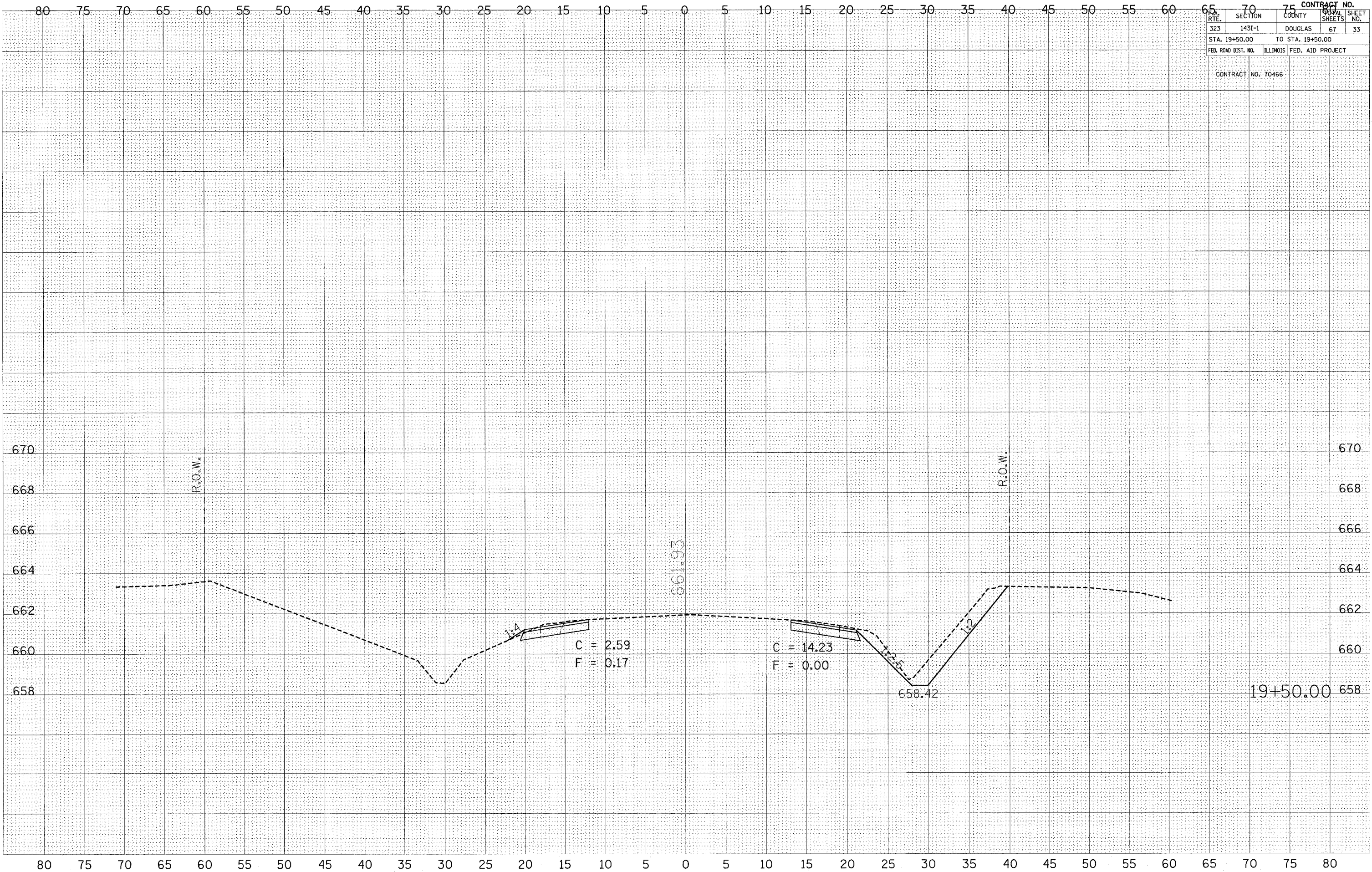


CONTRACT NO.		75	
RTE.	SECTION	COUNTY	SHEET NO.
323	143I-1	DOUGLAS	67
STA. 19+50.00		TO STA. 19+50.00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 70466			

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

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

PLOT DATE = 3/30/2005  
 FILE NAME = c:\pvc\jca\cd801.dwg  
 PLOT SCALE = 4/3281 / IN.  
 USER NAME = jca

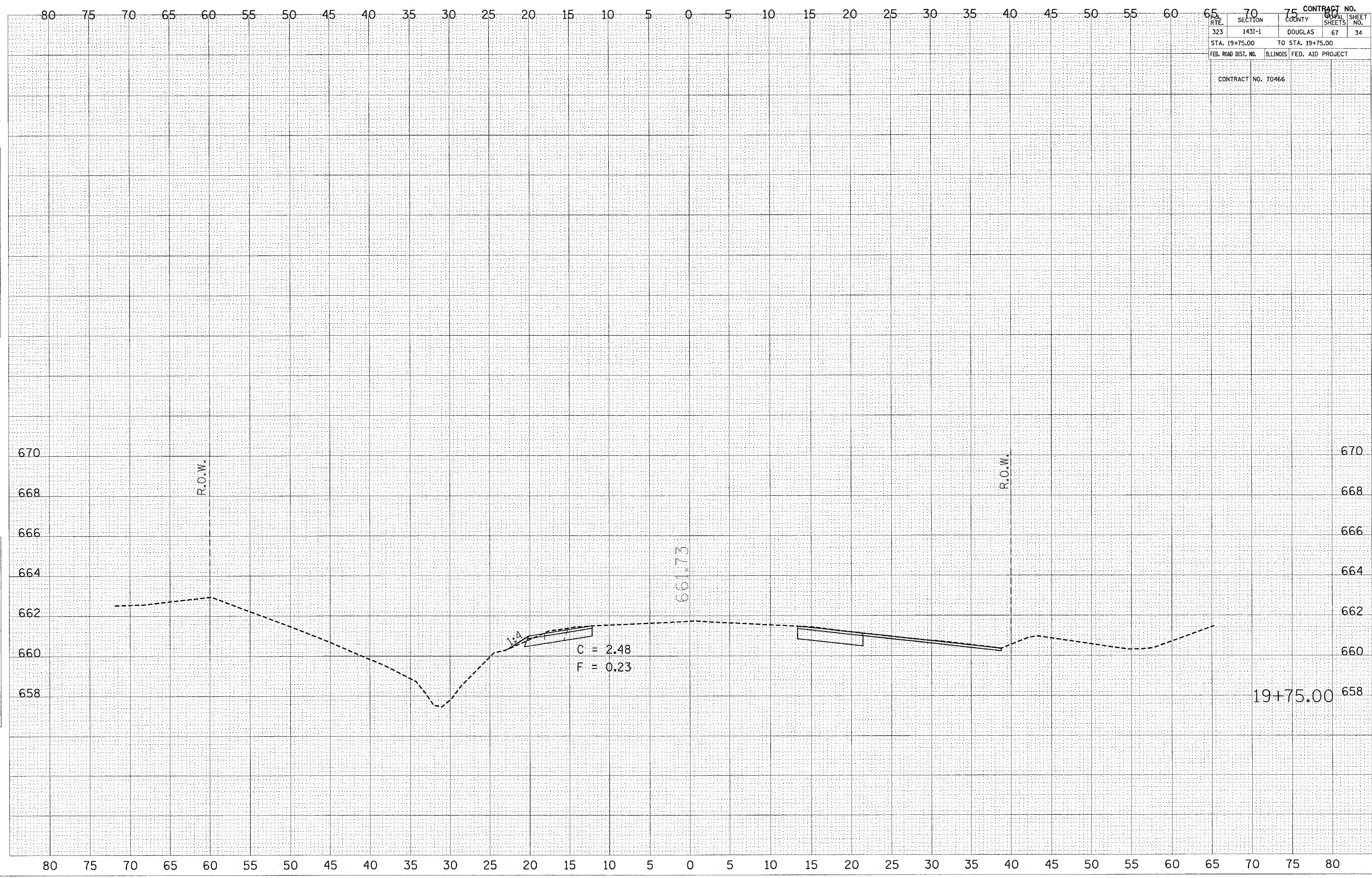


CONTRACT NO.		75	
RTE.	SECTION	COUNTY	SHEET NO.
323	1431-1	DOUGLAS	67
STA. 19+75.00		TO STA. 19+75.00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 70466			

FINAL SURVEY	DATE
BY	
NO. _____	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
BY	
NO. _____	
AREAS CHECKED	

PLOT DATE = 3/30/2005  
 FILE NAME = c:\projects\6801485\6801485.dwg  
 PLOT SCALE = 4.9861 / IN.  
 USER NAME = sww1234



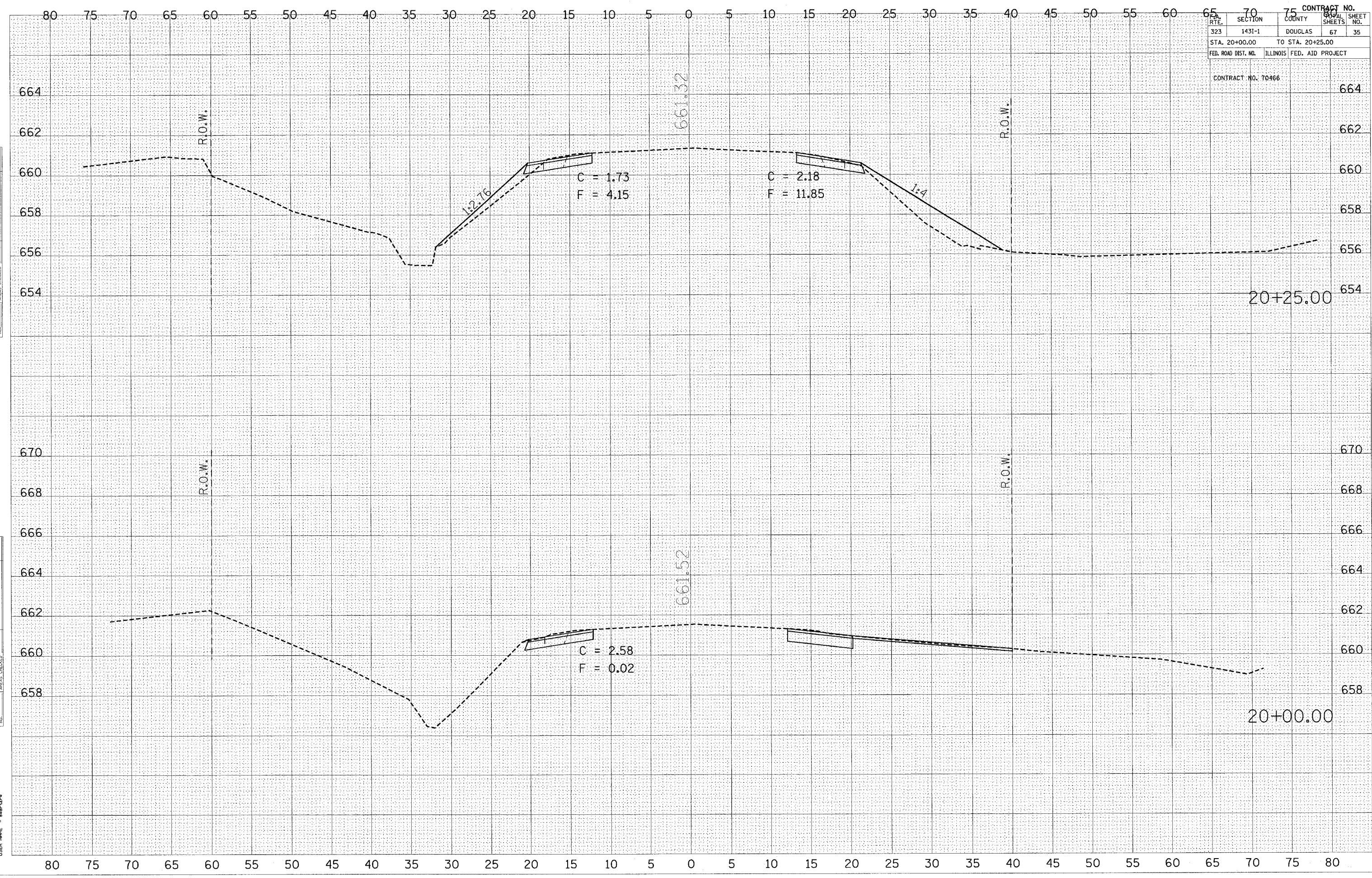


DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

PLOT DATE = 3/30/2005  
 PLOT SCALE = 4:3001  
 USER NAME = awo-127

ROUTE	SECTION	COUNTY	SHEET NO.	CONTRACT NO.
323	1431-1	DOUGLAS	67	70466
STA. 20+00.00		TO STA. 20+25.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CONTRACT NO. 70466

20+25.00

20+00.00

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

664  
662  
660  
658  
656  
654

670  
668  
666  
664  
662  
660  
658

R.O.W.  
R.O.W.  
R.O.W.

1:2.76  
C = 1.73  
F = 4.15  
C = 2.18  
F = 11.85  
1:4  
C = 2.58  
F = 0.02

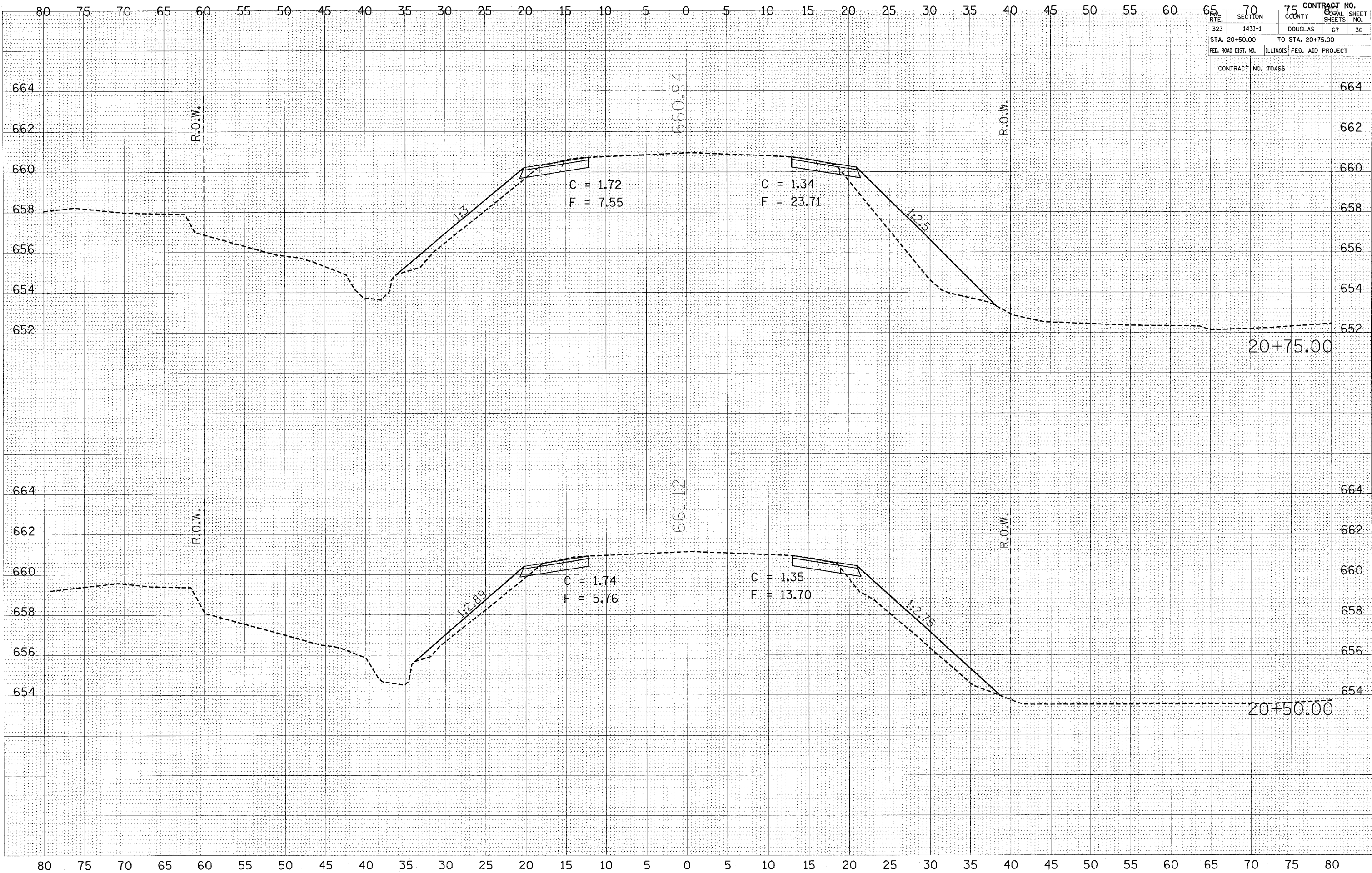
661.32  
661.52

BY \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREA CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

BY \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREA CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

PLOT DATE = 3/30/2005  
 PLOT SCALE = 4/860 / IN.  
 USER NAME = swr1277

STATE	SECTION	COUNTY	SHEET NO.	CONTRACT NO.
323	1431-1	DOUGLAS	67	75
STA. 20+50.00		TO STA. 20+75.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70466				





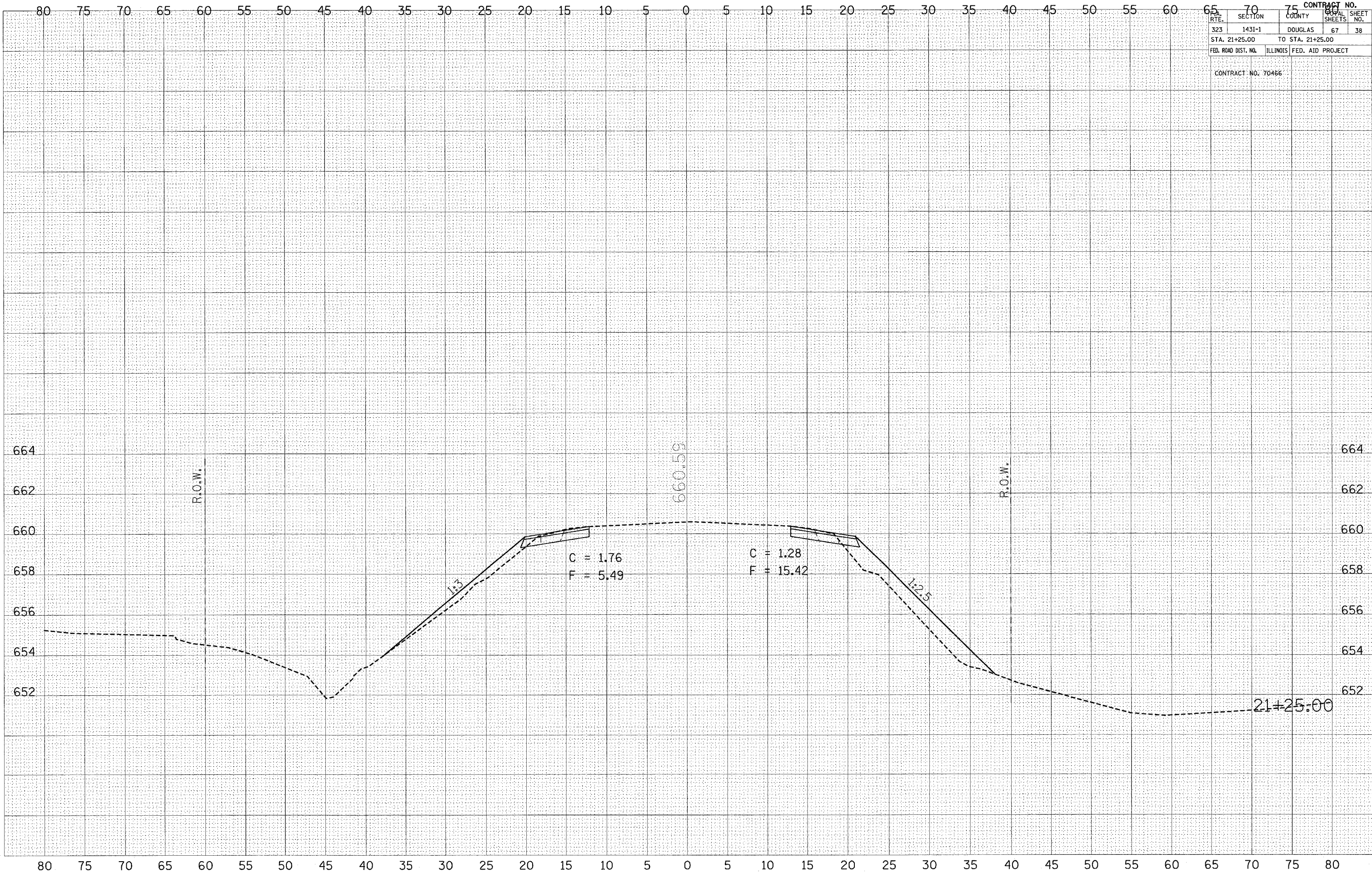


CONTRACT NO.	75	80
RTE.	SECTION	COUNTY
323	1431-1	DOUGLAS
STA. 21+25.00	TO STA. 21+25.00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT
CONTRACT NO. 70466		

FINAL SURVEY	NO.
SURVEYED	DATE
PLOTTED	BY
TEMPLATE	
AREAS CHECKED	

ORIGINAL SURVEY	NO.
SURVEYED	DATE
PLOTTED	BY
TEMPLATE	
AREAS CHECKED	

PLOT DATE = 3/30/2005  
 PLOT SCALE = 1" = 20.00'  
 USER NAME = swcstr





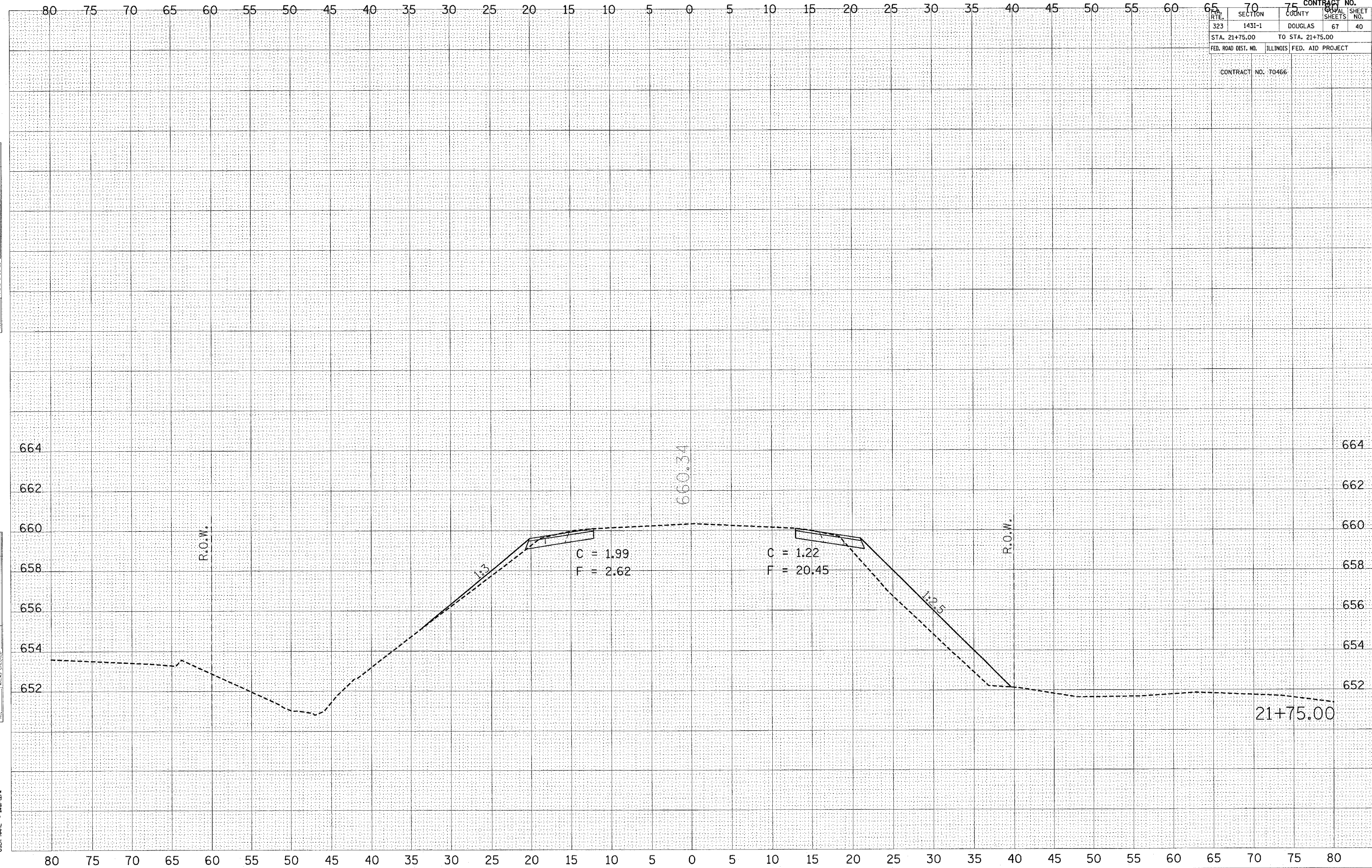


CONTRACT NO.	
STA. 21+75.00	TO STA. 21+75.00
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
CONTRACT NO. 70466	

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

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

PLOT DATE = 3/30/2005  
 PLOT SCALE = 4.0000 / IN.  
 USER NAME = swm1274





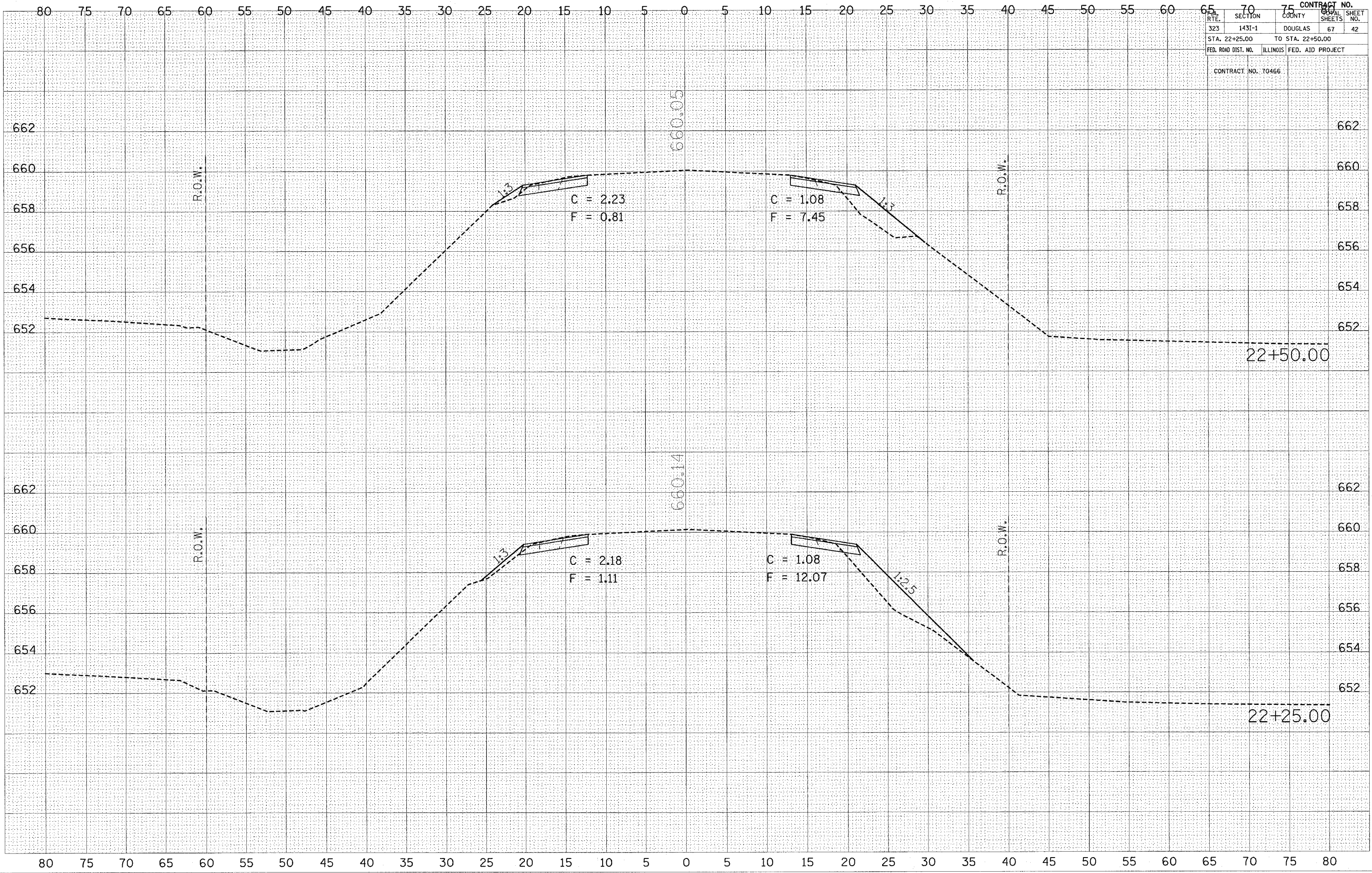


CONTRACT NO.		TOTAL SHEETS	
65	70	75	42
RTE.	SECTION	COUNTY	SHEET NO.
323	143I-1	DOUGLAS	67
STA. 22+25.00		TO STA. 22+50.00	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	
CONTRACT NO. 70466			

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

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

PLOT DATE: 3/29/2005  
 FILE NAME: c:\p3\p3\1405 (d)\v3\30\2496.dwg  
 USER NAME: j...



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



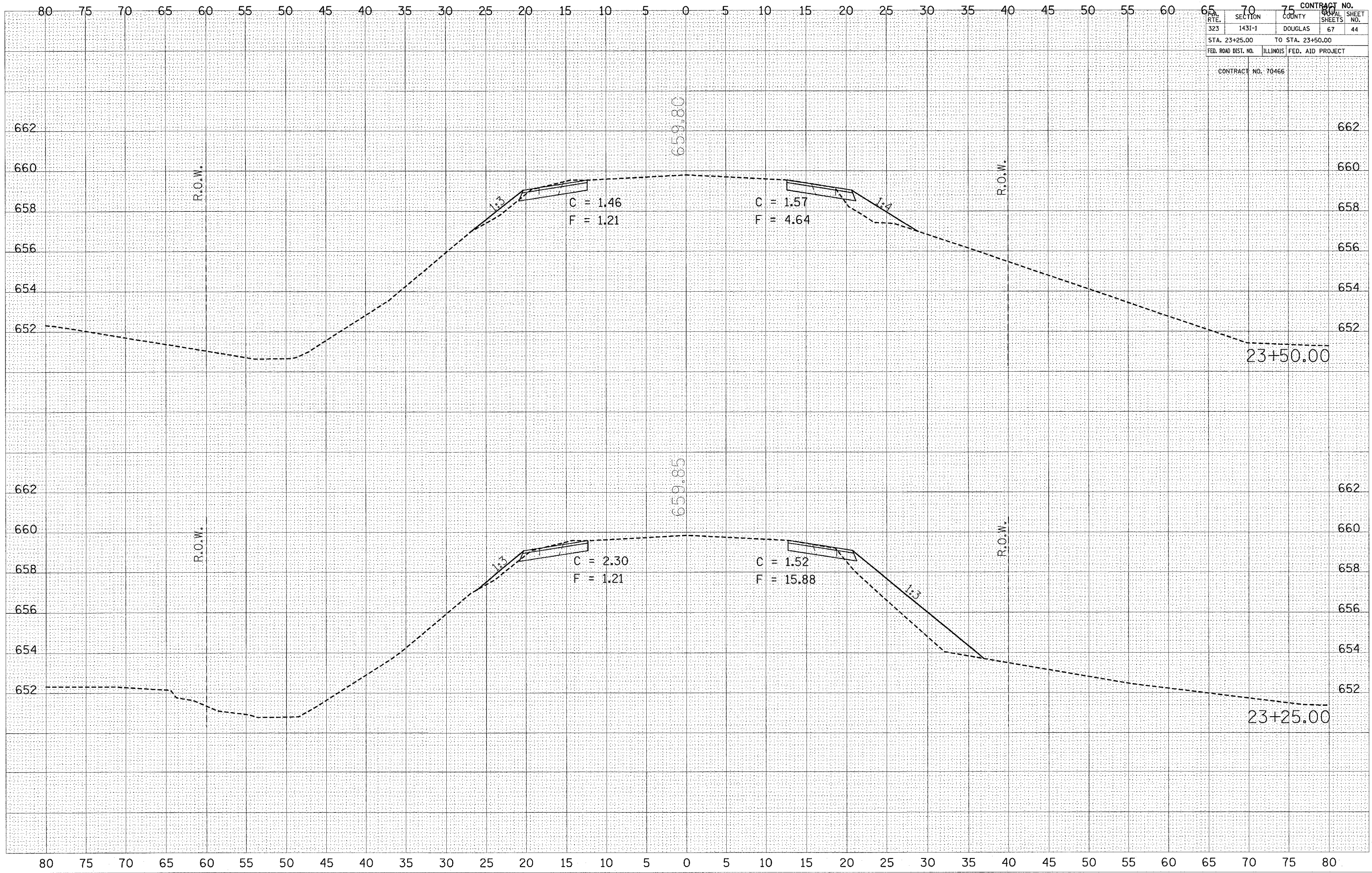


CONTRACT NO.	65	70	75	80
SECTION	1431-1	DOUGLAS	67	44
STA. 23+25.00	TO STA. 23+50.00			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
CONTRACT NO.	70466			

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

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

PLOT DATE = 3/30/2005  
 FILE NAME = c:\pwworkspace\4581105\d01\1431-1.dwg  
 USER NAME = jshurt

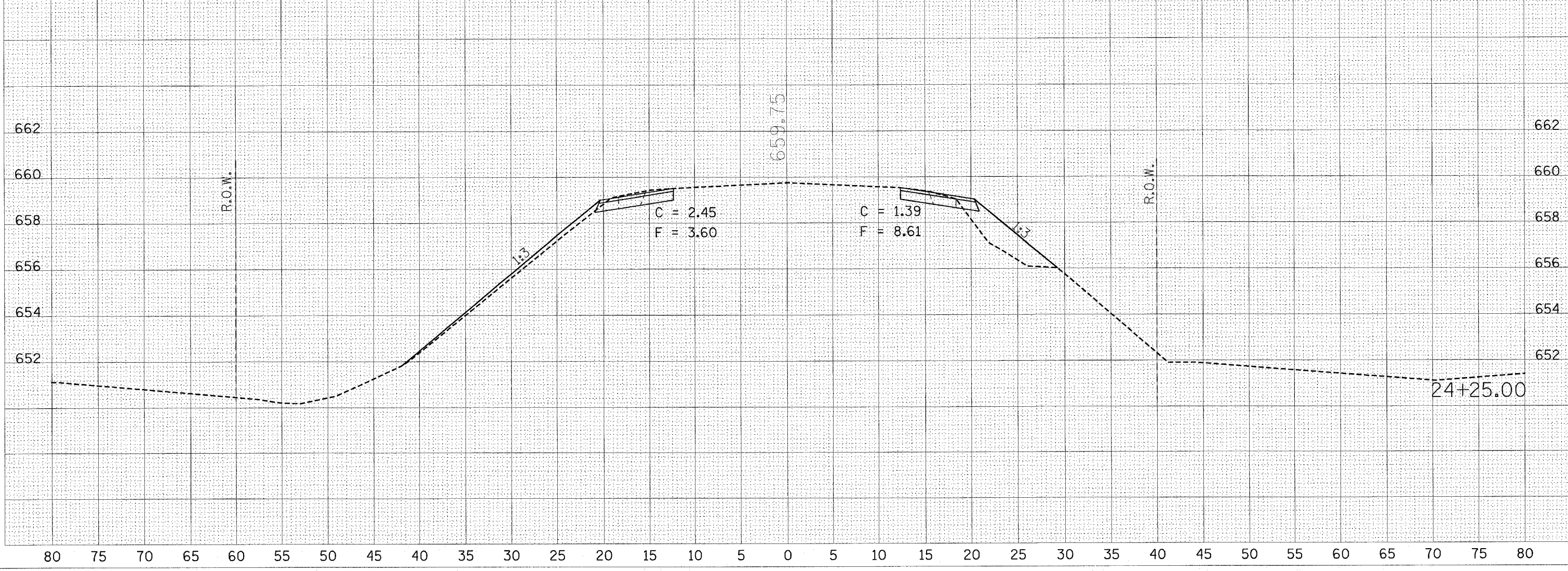
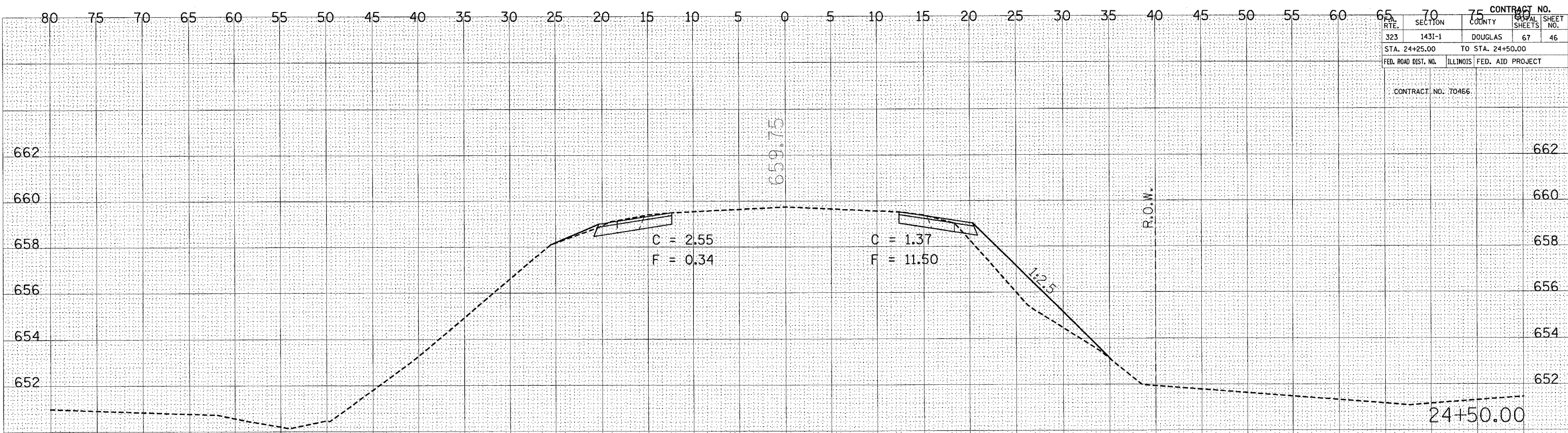






CONTRACT NO.	75
ROUTE	323
SECTION	143I-1
COUNTY	DOUGLAS
SHEET NO.	67
TOTAL SHEETS	46
STA. 24+25.00 TO STA. 24+50.00	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

CONTRACT NO. 70466



BY \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

BY \_\_\_\_\_ DATE \_\_\_\_\_  
 ORIGINAL SURVEY \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

PLOT DATE = 3/30/2005  
 PLOT SCALE = 4"=100'  
 USER NAME =



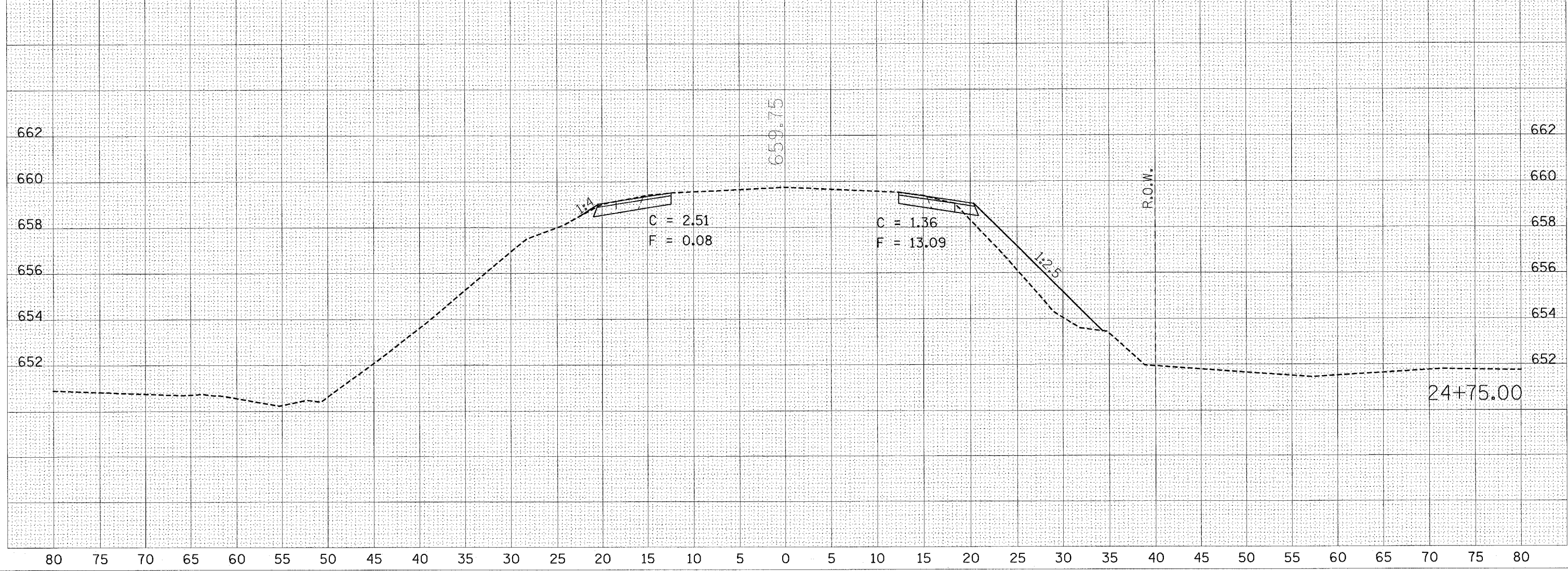
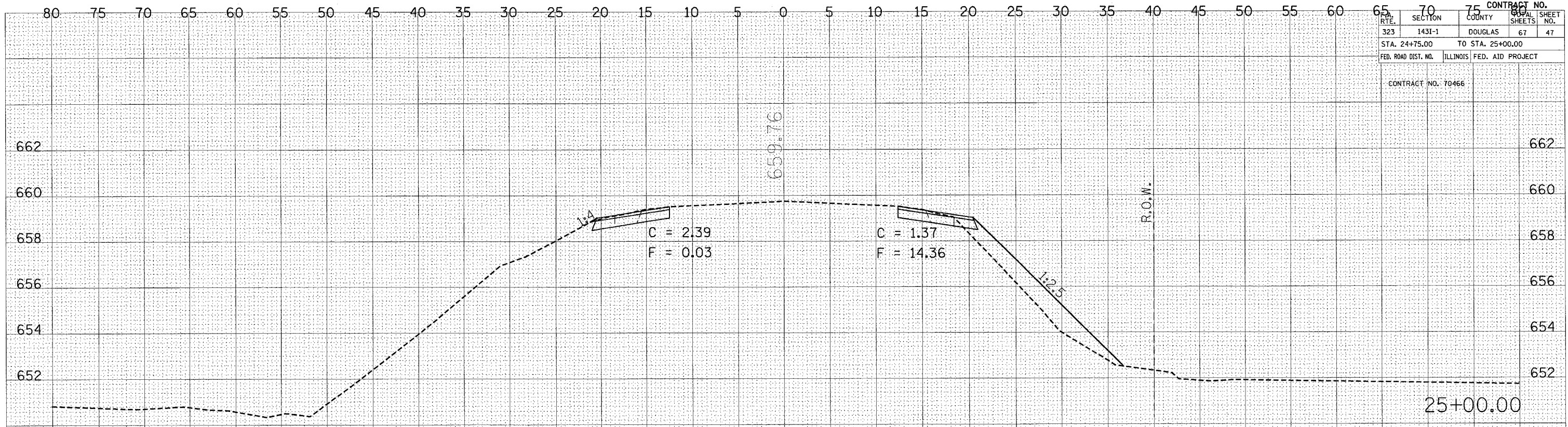
65		70		75		CONTRACT NO.	
RTE.	SECTION	COUNTY	SHEETS	SHEET	SHEET		
323	143I-1	DOUGLAS	67	47			
STA. 24+75.00				TO STA. 25+00.00			
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT			

CONTRACT NO. 70466

FINAL	SURVEYED	DATE
BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL	CHECKED	DATE
BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	

PLOT DATE = 3/30/2005  
 FILE NAME = c:\projects\4581485\4581485.dwg  
 PLOT SCALE = 4:861.1 / IN.  
 USER NAME = mrc274



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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























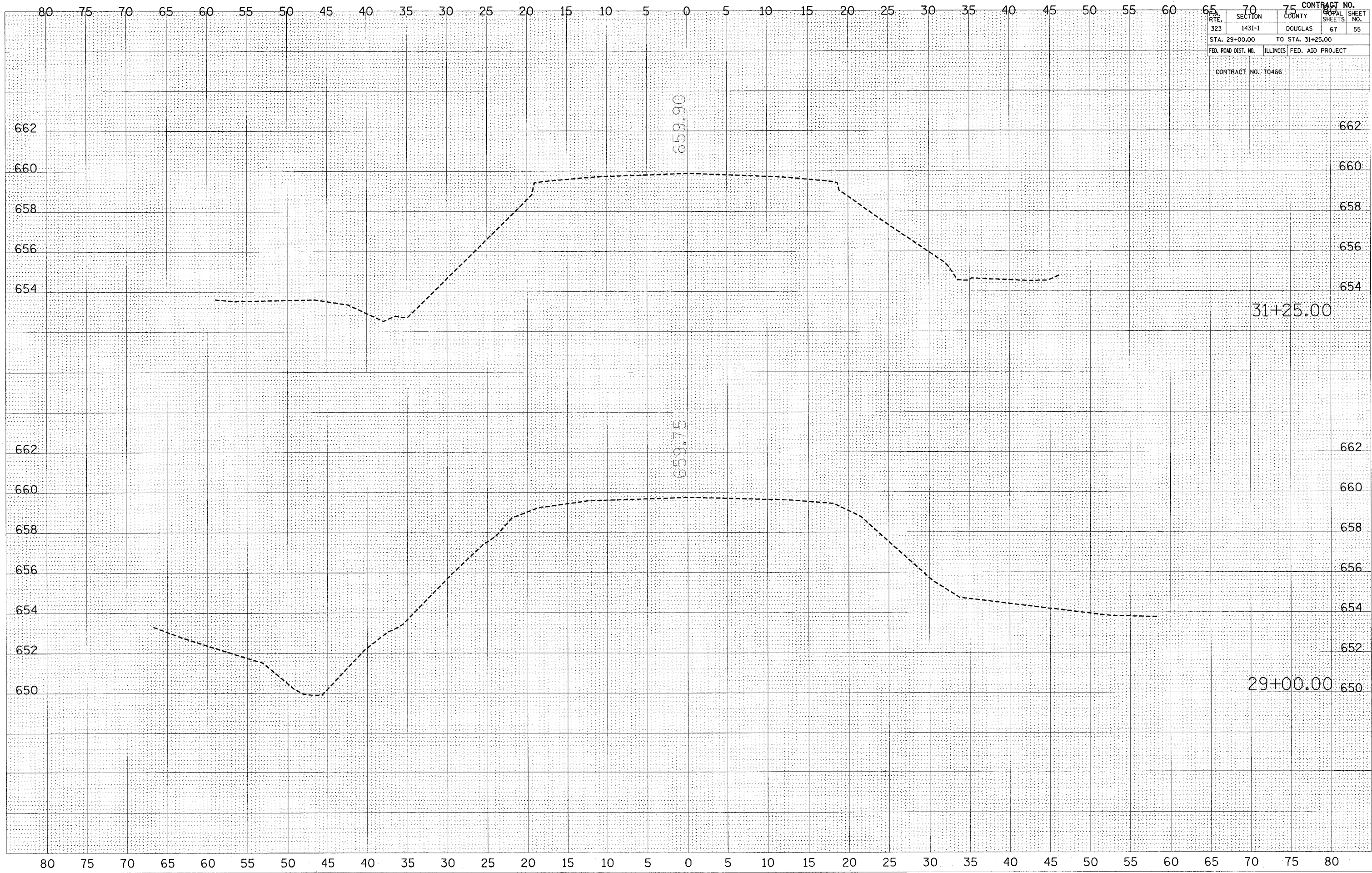


FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	AREAS CHECKED		

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

PLOT DATE : 3/30/2005  
 FILE NAME : c:\proje\pca\4881\4881.dwg  
 PLOT SCALE : 4.0001 / IN.  
 USER NAME : jmr1234

CONTRACT NO.			
RTE.	SECTION	COUNTY	SHEET NO.
323	1431-1	DOUGLAS	67 55
STA. 29+00.00		TO STA. 31+25.00	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			
CONTRACT NO. 70466			





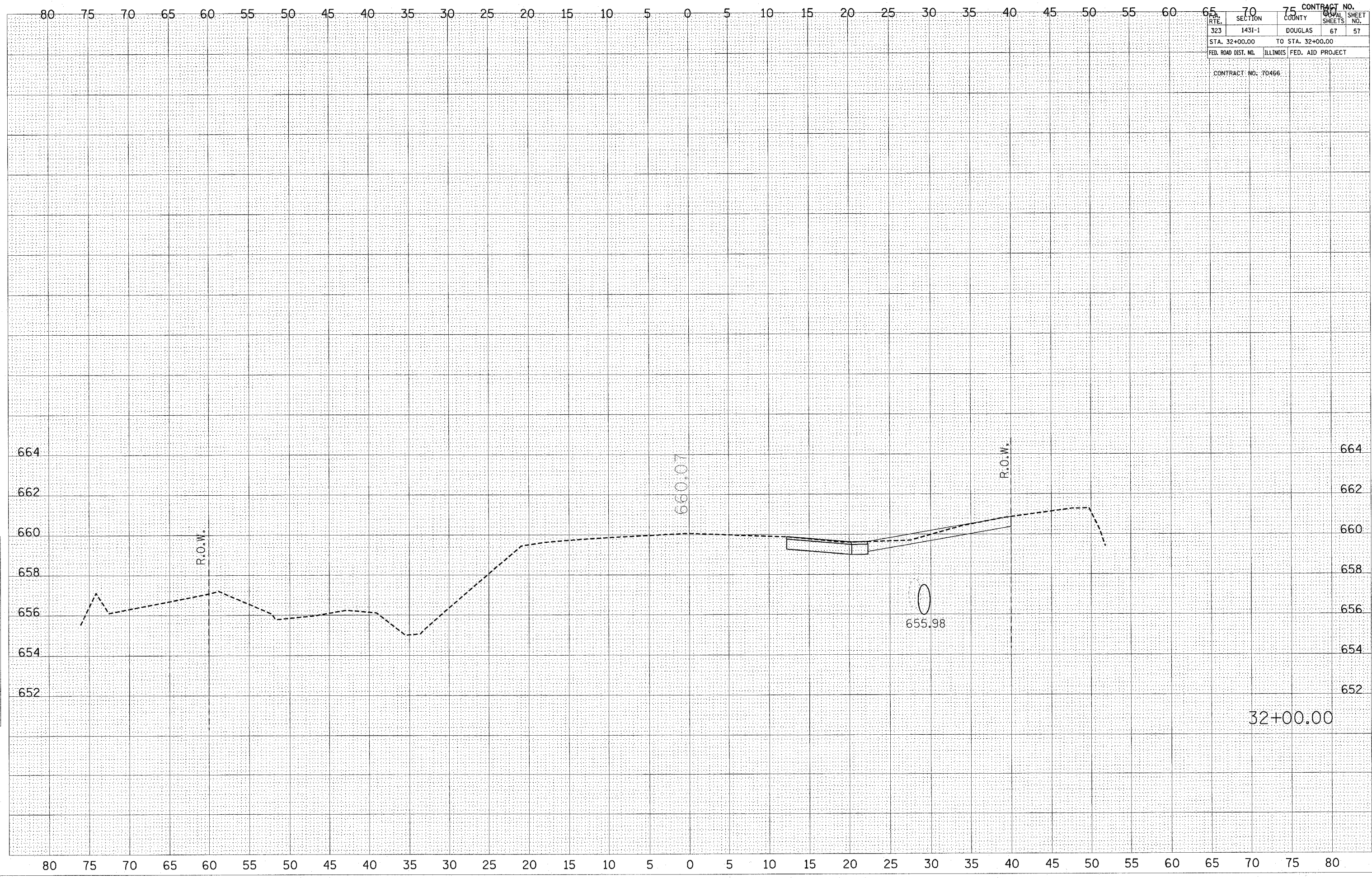


FINAL SURVEY	DATE
PROJECTED	BY
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
PROJECTED	BY
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	

PLOT DATE = 3/26/2005  
 FILE NAME = c:\projects\4501485\4501485.dwg  
 PLOT SCALE = 4.9881 / IN.  
 USER NAME = avertz

CONTRACT NO.	75
ROUTE	323
SECTION	1431-1
COUNTY	DOUGLAS
SHEET NO.	67
SHEET NO.	57
STA.	32+00.00
TO STA.	32+00.00
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
CONTRACT NO.	70466



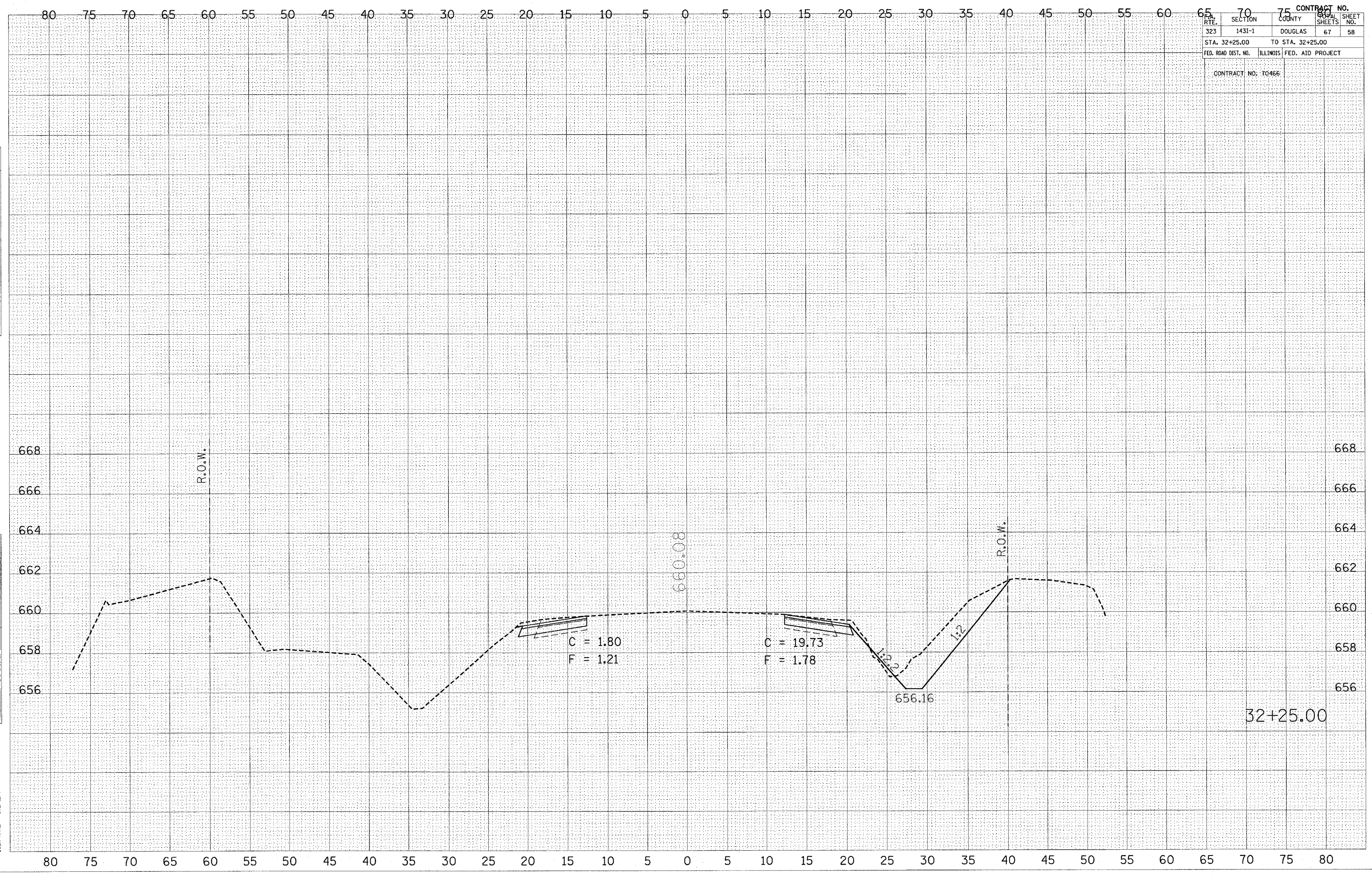


FINISHED SURVEYED BY DATE  
 SURVEY PLOTTED  
 NOTE BOOK PLOTTED DATE  
 NO. AREAS CHECKED

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

PLOT DATE = 2/28/2006  
 FILE NAME = c:\projects\660105\660105.dwg  
 PLOT SCALE = 4.9661 / IN.  
 USER NAME = swartz

CONTRACT NO.	
RTE.	SECTION
323	1431-1
COUNTY	SHEET NO.
DOUGLAS	67
STA. 32+25.00 TO STA. 32+25.00	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
CONTRACT NO. T0466	

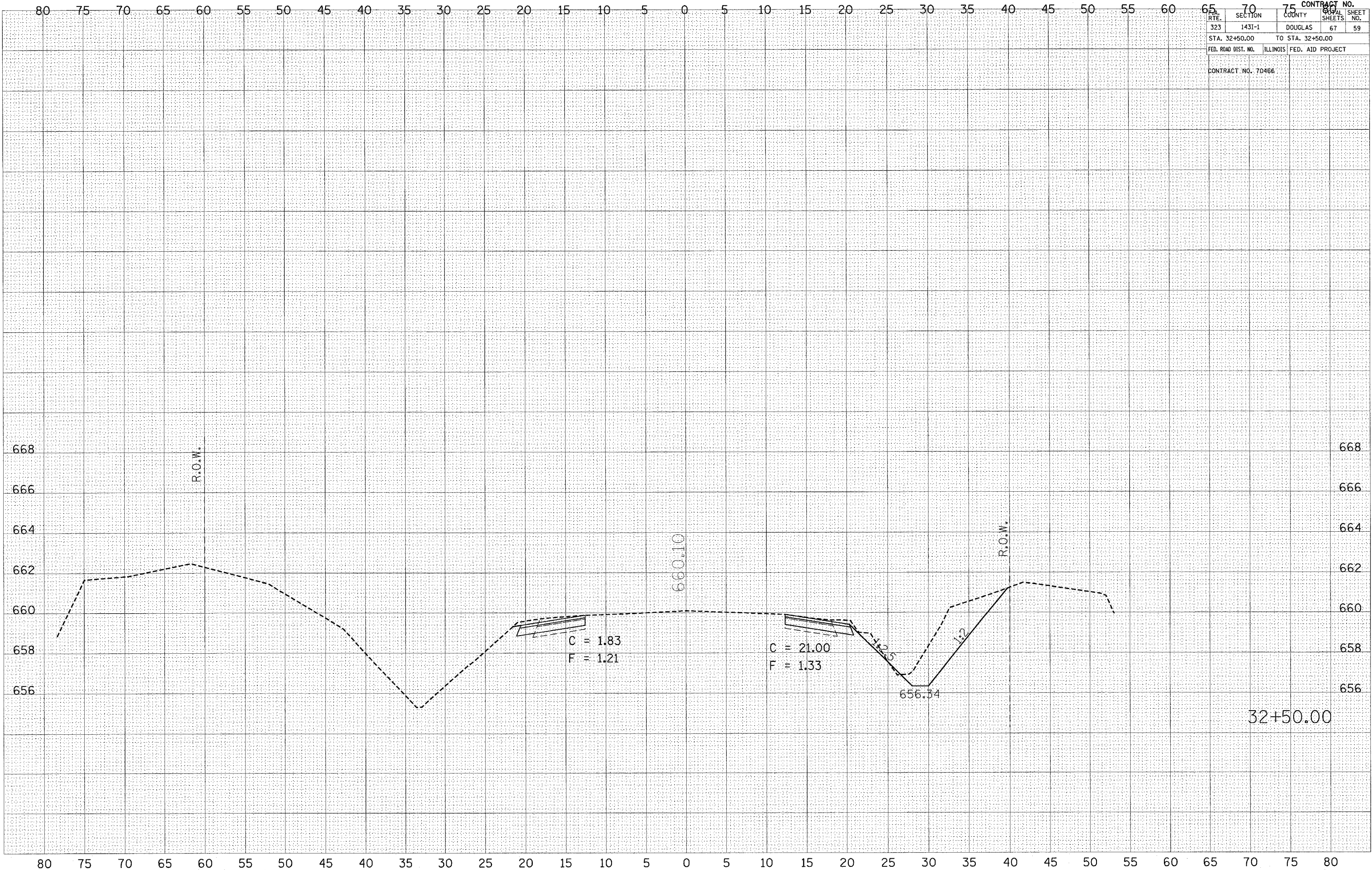


CONTRACT NO.				
RTE.	SECTION	COUNTY	SHEET NO.	SHEET NO.
323	1431-1	DOUGLAS	67	59
STA. 32+50.00		TO STA. 32+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70466				

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

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

PLOT DATE = 3/30/2005  
 FILE NAME = c:\projects\4881485\4881485.dwg  
 PLOT SCALE = 4:861 / IN.  
 USER NAME = sbr427





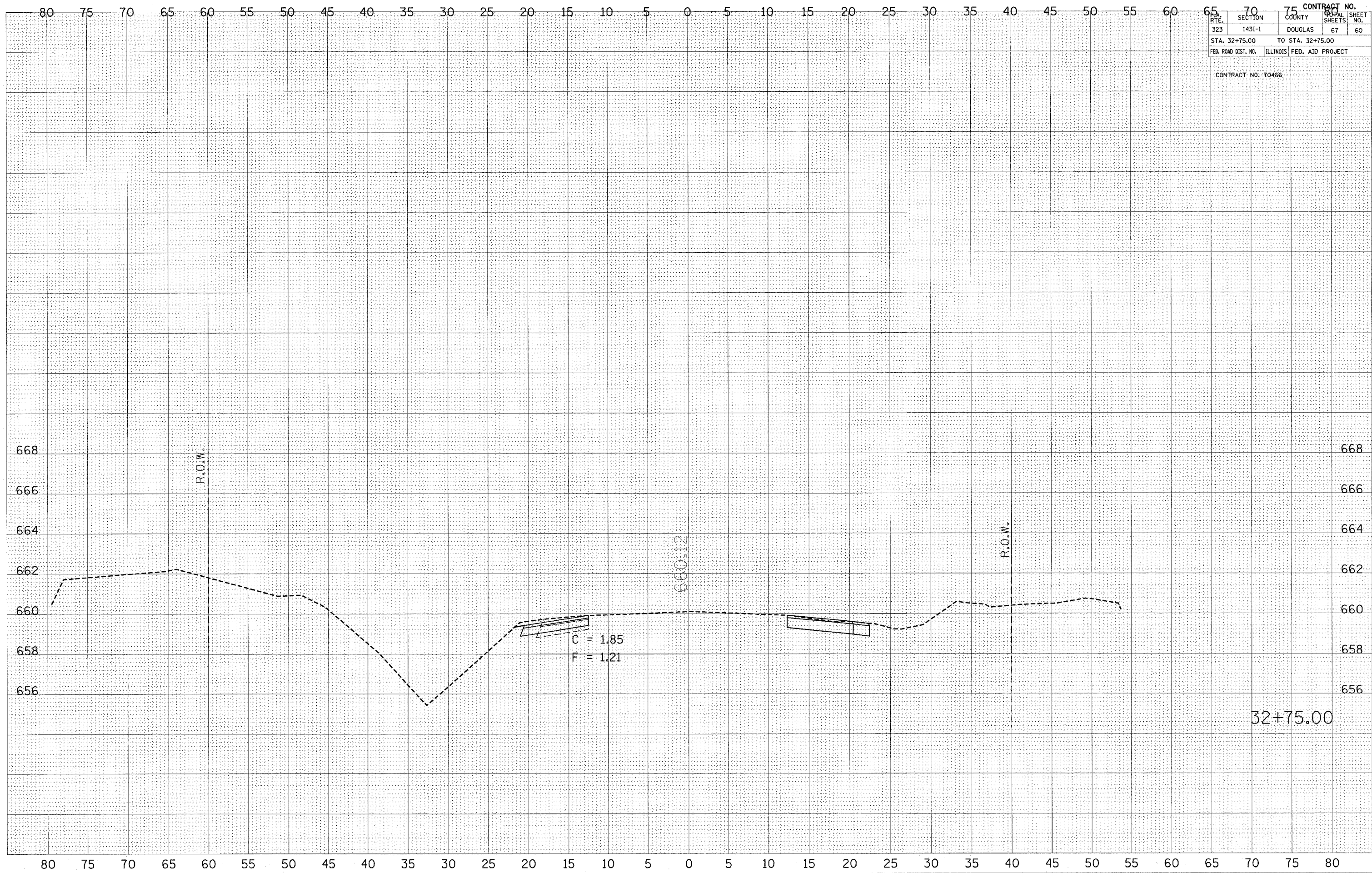
PLOT DATE = 3/30/2005  
 FILE NAME = c:\proj\pca\485\485.dwg  
 PLOT SCALE = 4.9881 / IN.  
 USER NAME = aabcrw

ORIGINAL SURVEY  
 CHECKED BY: \_\_\_\_\_  
 PLOTTED BY: \_\_\_\_\_  
 TEMPLATE: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_

FINAL SURVEY  
 CHECKED BY: \_\_\_\_\_  
 PLOTTED BY: \_\_\_\_\_  
 TEMPLATE: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_

CONTRACT NO.		75	
STATE	SECTION	COUNTY	SHEET NO.
323	1431-1	DOUGLAS	67
STA. 32+75.00		TO STA. 32+75.00	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	
CONTRACT NO. 70466			



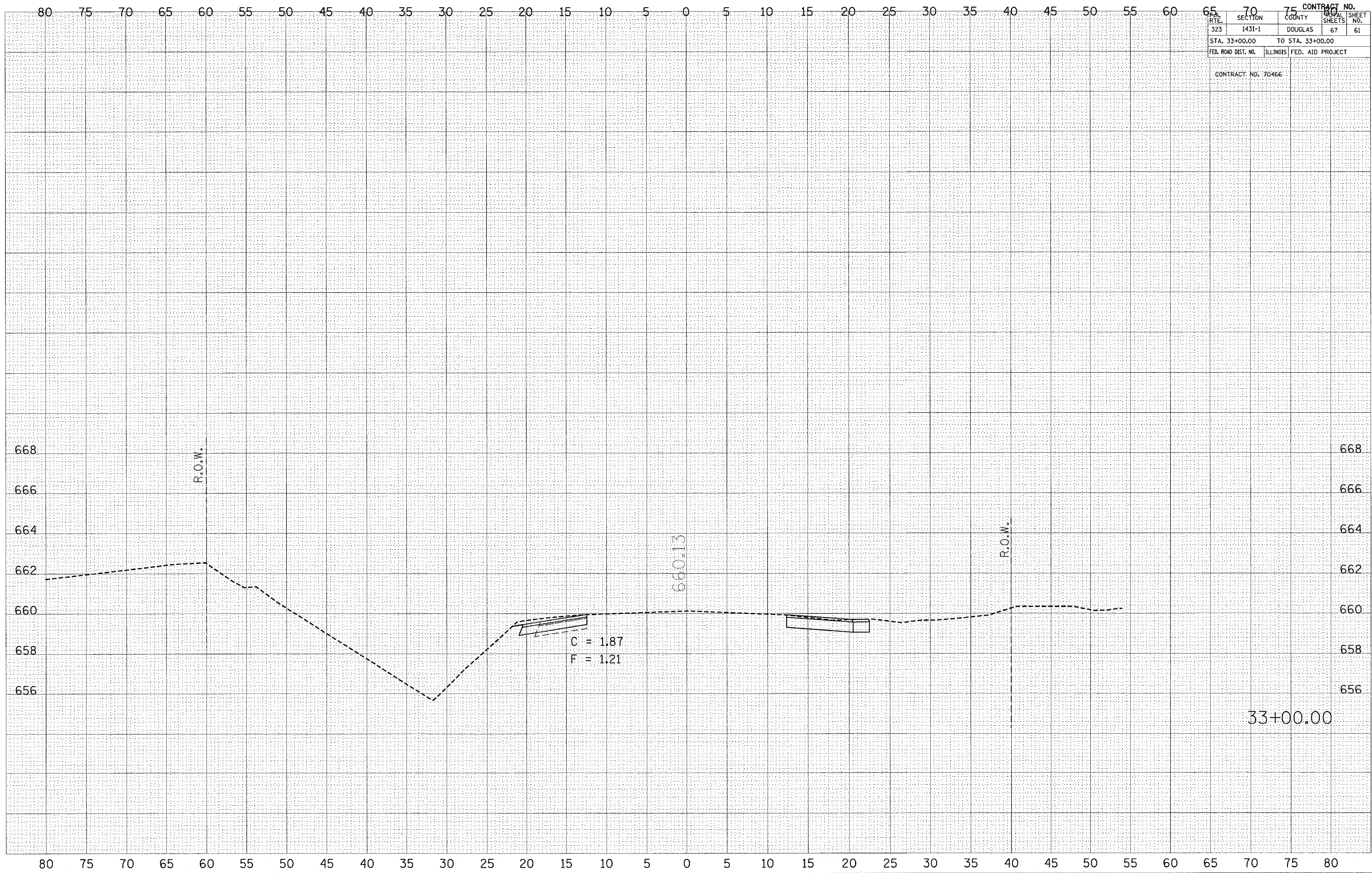
32+75.00



PLOT DATE = 3/28/2005  
FILE NAME = c:\puro\area\4581495 (a)\va-36+52.dgn  
SCALE = 4:861 / IN.  
USER NAME = jmoran\*

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

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



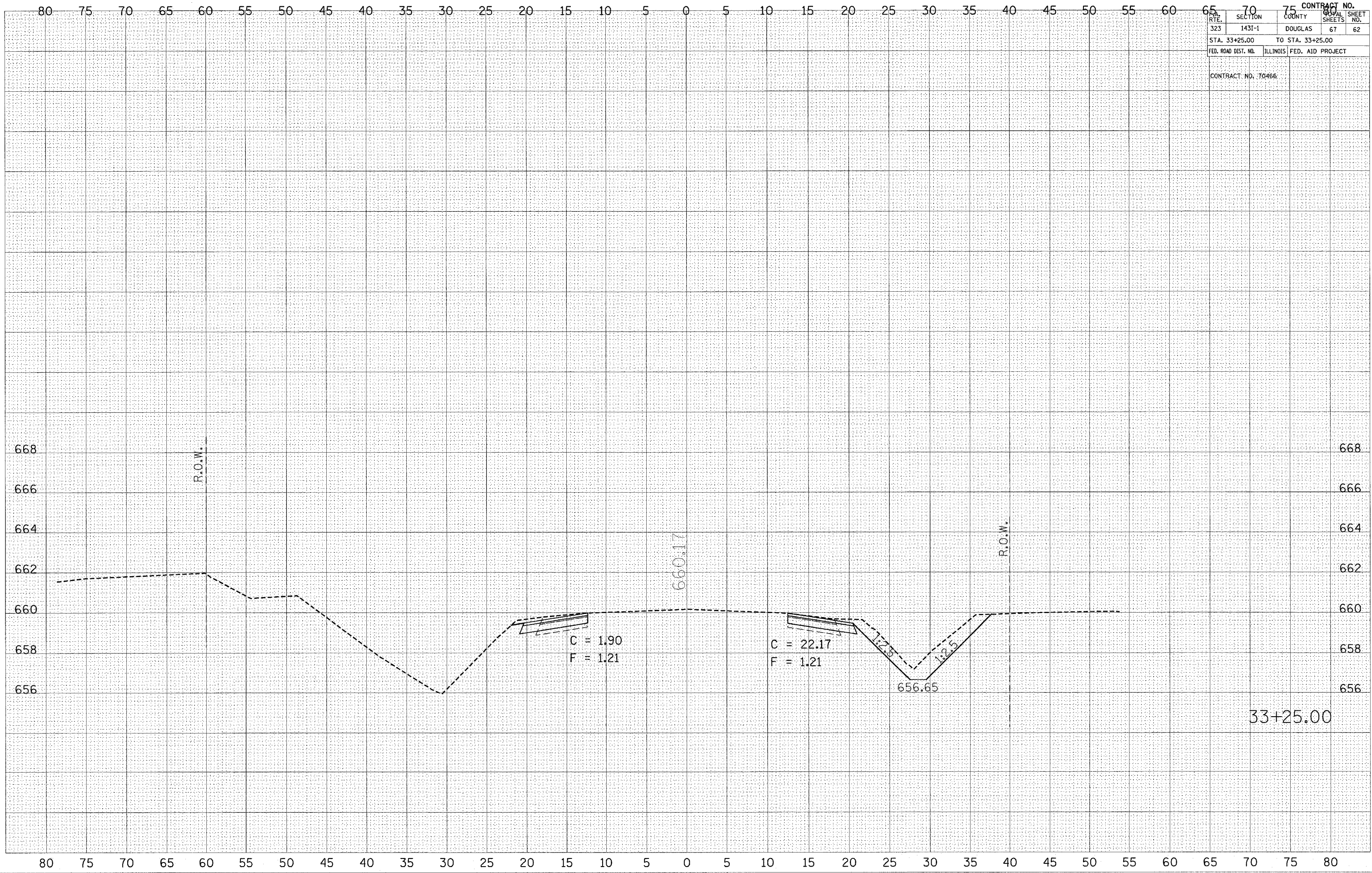
ROUTE	SECTION	COUNTY	CONTRACT NO.	
323	1431-1	DOUGLAS	67	61
STA. 33+00.00		TO STA. 33+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70466				

ROUTE	SECTION	COUNTY	CONTRACT NO.	
323	143I-1	DOUGLAS	67	62
STA. 33+25.00		TO STA. 33+25.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70466				

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

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

PLOT DATE = 3/30/2005  
 FILE NAME = c:\pca\pca\4501105 (4)\a30x30\240PE BOOK  
 USER NAME = jrb





RTE.	SECTION	COUNTY	SHEETS	SHEET NO.
323	143I-1	DOUGLAS	67	63

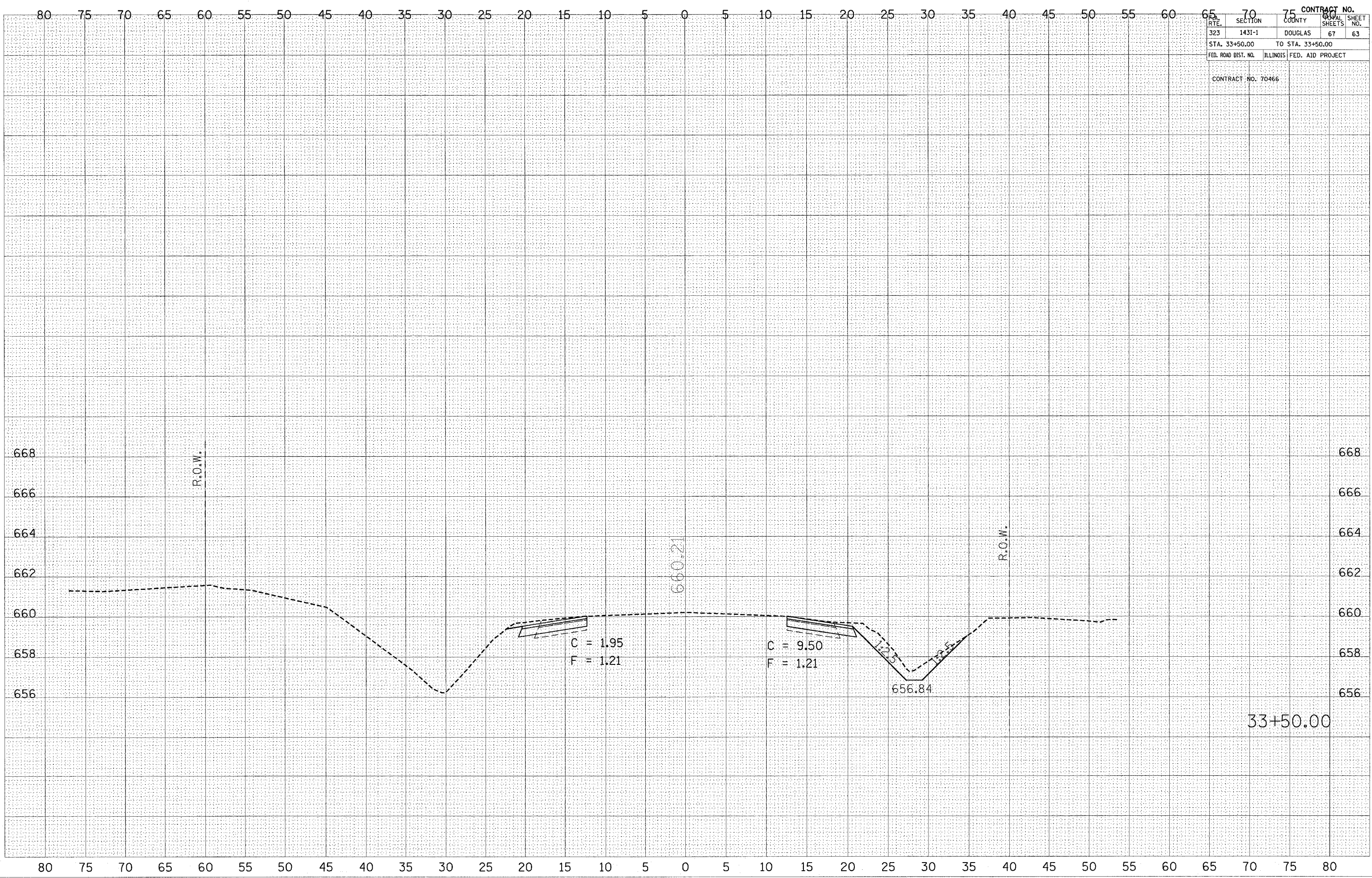
STA.	TO STA.
33+50.00	33+50.00

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 CONTRACT NO. 70466

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

PLOT DATE = 2/28/2005  
 FILE NAME = c:\work\p14\143I-1.dwg  
 USER NAME = wjw



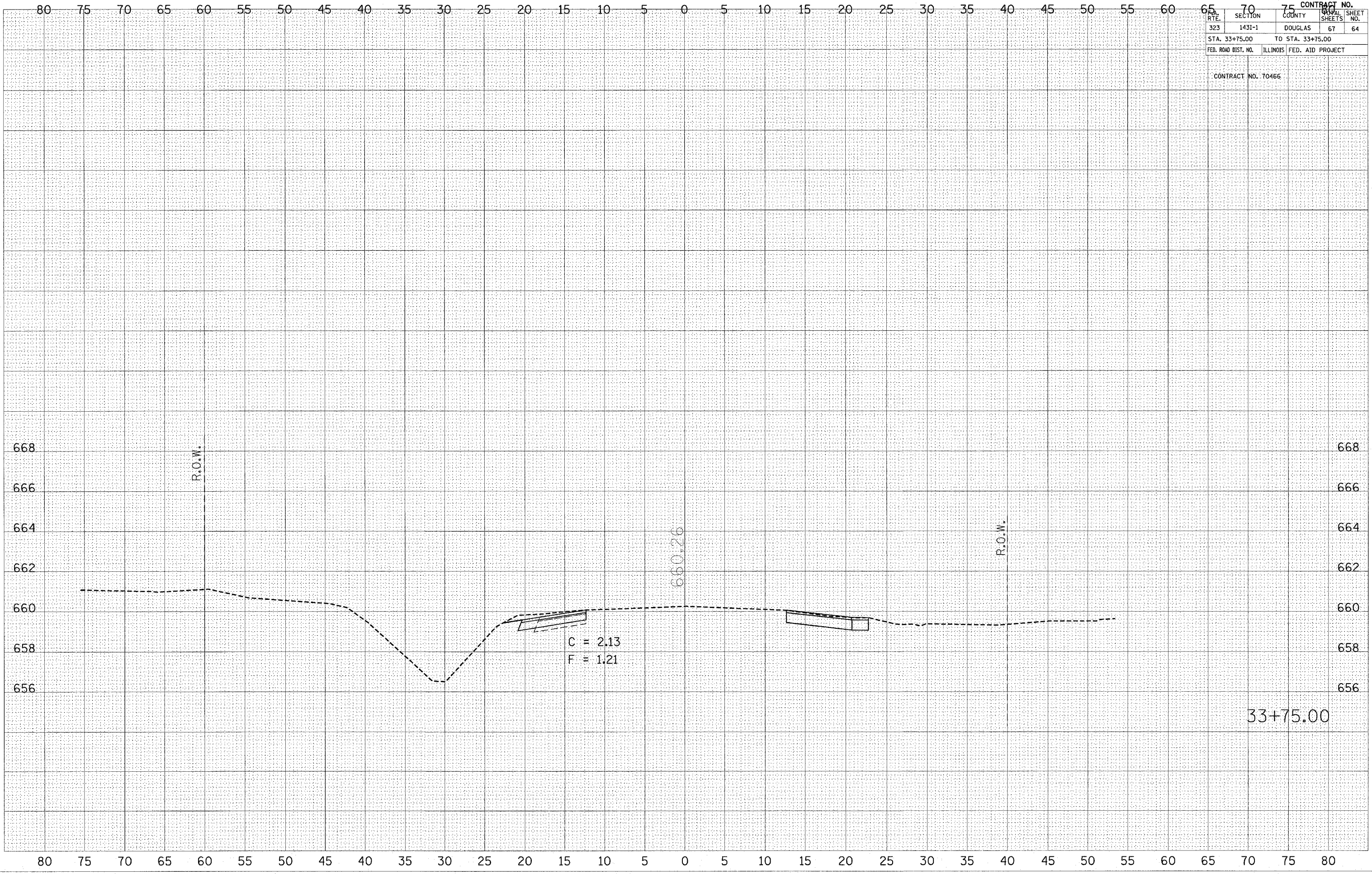


BY \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

BY \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

PLOT DATE = 3/30/2005  
 PLOT SCALE = 1" = 40.00'  
 USER NAME = swr227v

CONTRACT NO.		65 70 75	
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1431-1	DOUGLAS	67	64
STA. 33+75.00 TO STA. 33+75.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 70466			



C = 2.13  
 F = 1.21

660.26

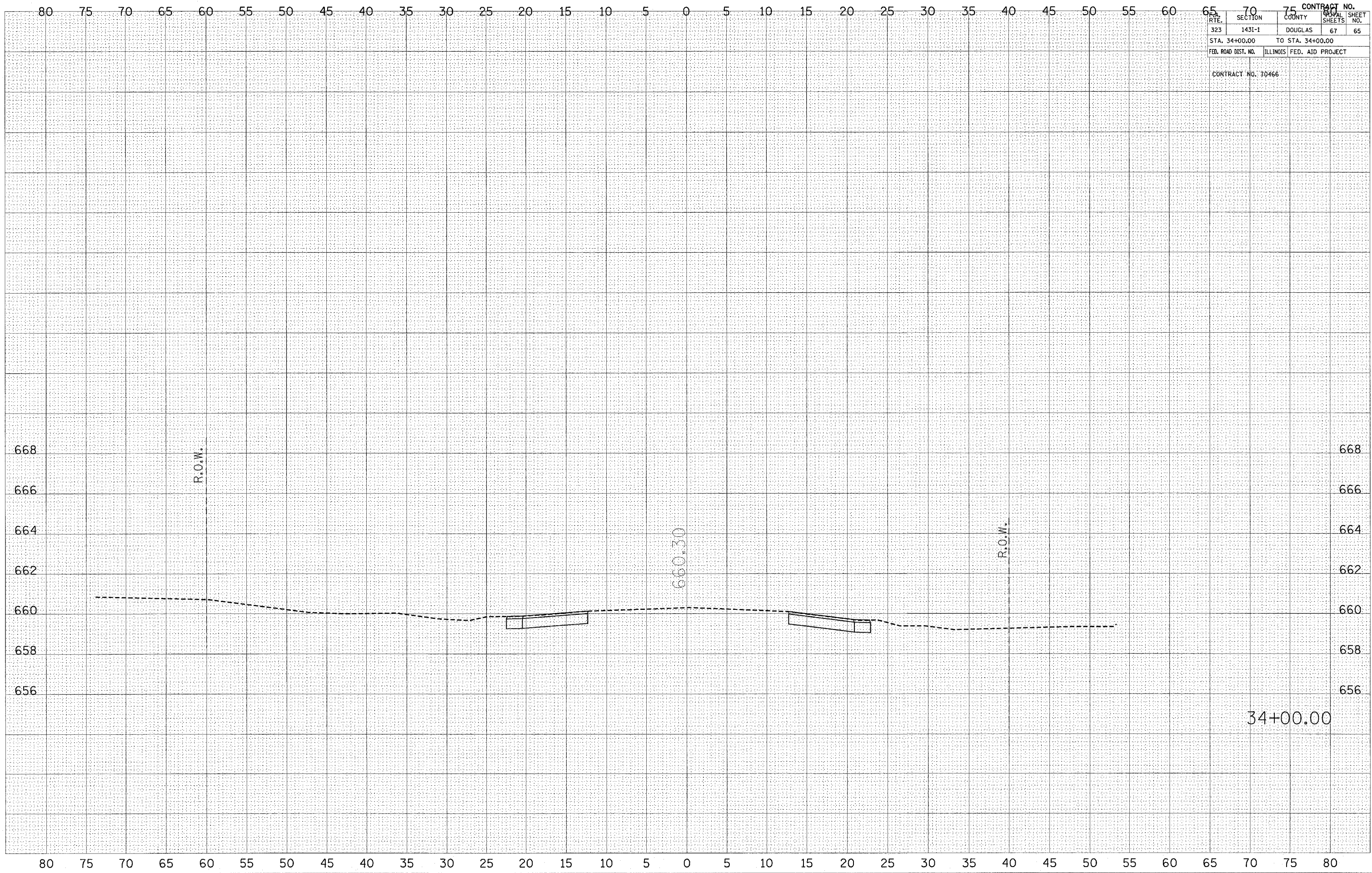
33+75.00

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

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

PLOT DATE = 3/28/2005  
 FILE NAME = c:\pwworkspace\4581485\4581485.dwg  
 USER NAME = jmorley

STATE	SECTION	COUNTY	CONTRACT NO.	
323	1431-1	DOUGLAS	67	65
STA. 34+00.00		TO STA. 34+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70466				



34+00.00





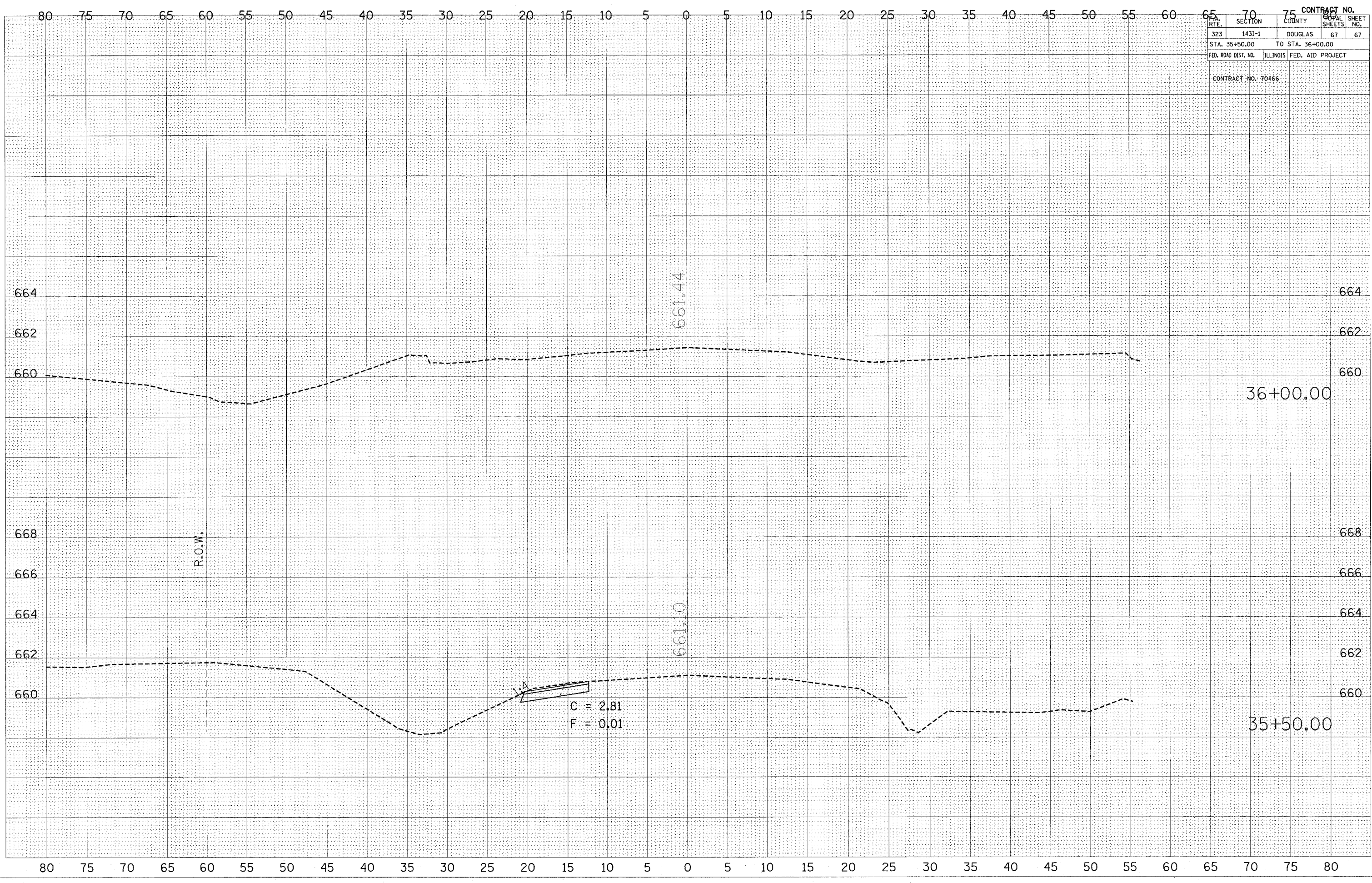


PLOT DATE = 3/30/2005  
FILE NAME = c:\pcc\pcc\pcc\1495 (48)\a36\p2\p2.dwg  
USER NAME = shw474

ORIGINAL SURVEY PLOTTED  
SURVEY BOOK TEMPLATE  
AREAS CHECKED

FINAL SURVEY PLOTTED  
SURVEY BOOK TEMPLATE  
AREAS CHECKED

BY \_\_\_\_\_ DATE \_\_\_\_\_



CONTRACT NO.	
RTE.	SECTION
323	143I-1
DOUGLAS	
67 67	
STA. 35+50.00 TO STA. 36+00.00	
ILLINOIS FED. AID PROJECT	
CONTRACT NO. 70466	