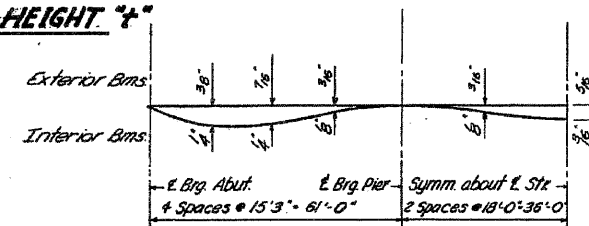
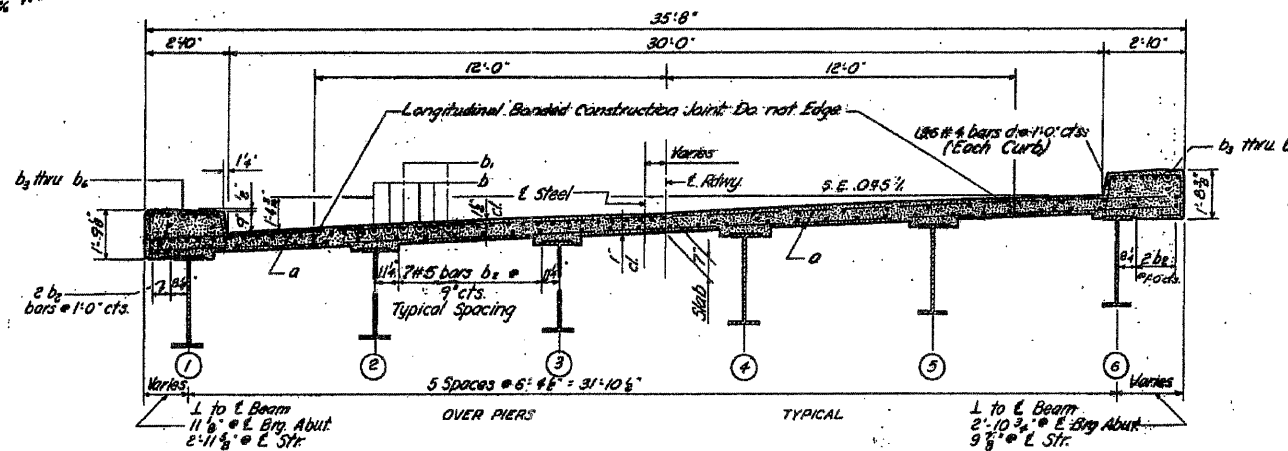
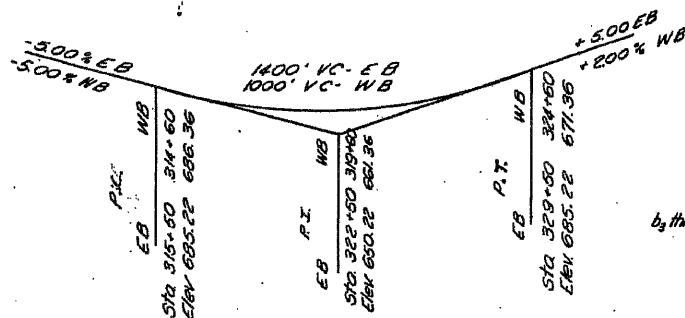


**METHOD OF DETERMINING FILLET HEIGHT "f"**

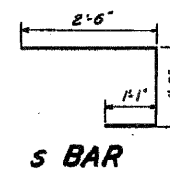
After all Structural Steel has been erected elevations of the top flanges of the beams shall be taken at intervals not to exceed 10 Ft. From these elevations subtract the increment of deflections for these points, determined from the D.L. Deflection Diagram. The elevations so obtained subtracted from the theoretical grade elevations minus floor thickness, equals the fillet heights above top of beam.



**DEAD LOAD DEFLECTION DIAGRAM**



**CROSS SECTION**  
North and South Structures

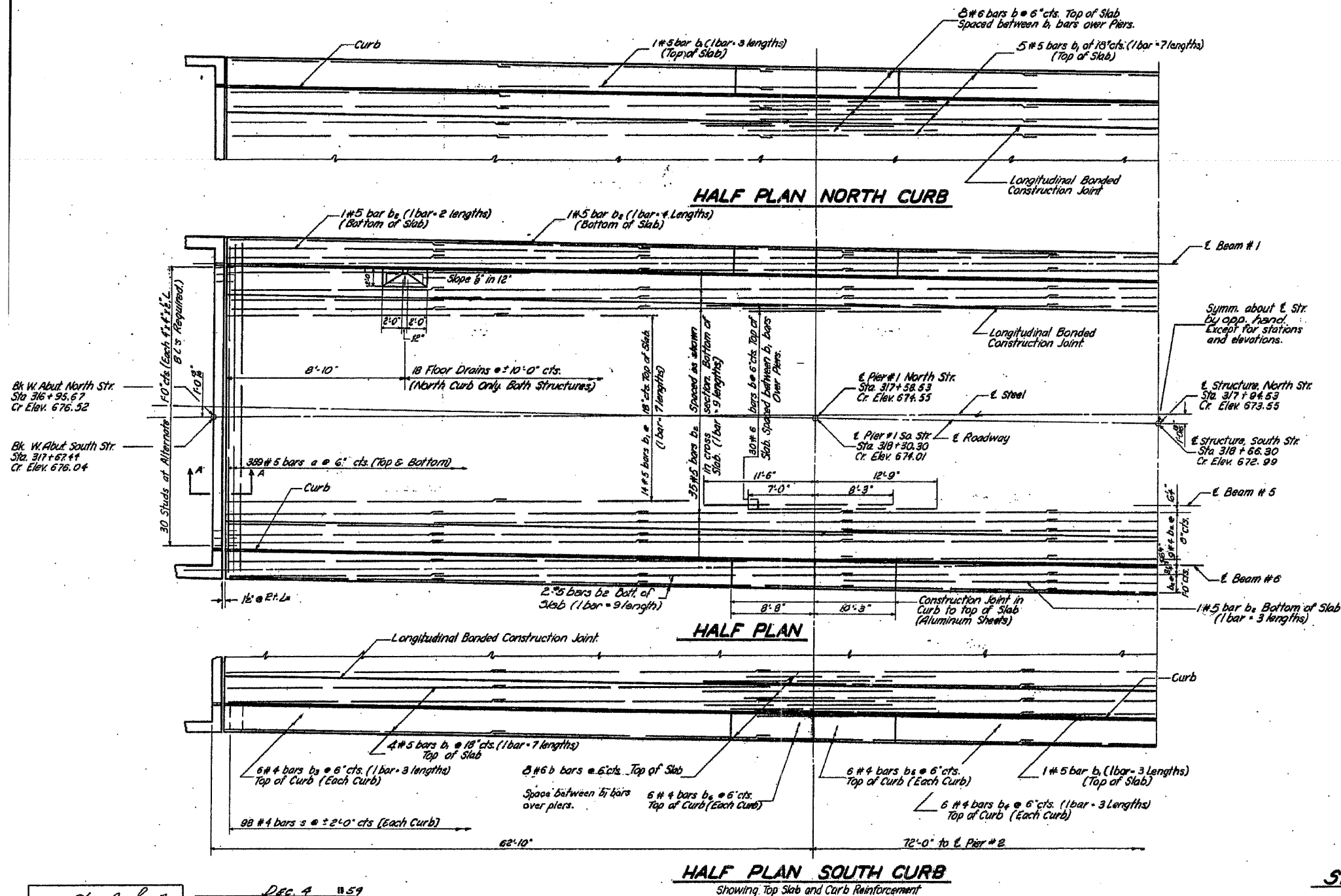


Note: See Sheet #3 for Slab Reinforcement Layout

**SLAB DETAILS AND SITE PLAN**  
**NORTH AND SOUTH STRUCTURES**  
**LITTLE MENOMINEE RIVER**  
**S.B.I. RT. 5 SEC. 44 (B-1)**  
**JO DAVIESS COUNTY**  
**STA. 318 + 30**

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

DATE	BY	CHECKED	APPROVED	SHEET NO.
11/15/59	444B	JO DAVIESS	373	32
SHEET NO. 3				11 SHEETS



**NORTH & SOUTH STRUCTURES  
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a	1556	# 5	35'-3"	
b	182	# 6	19'-9"	
b <sub>1</sub>	360	# 5	29'-0"	
b <sub>2</sub>	696	# 5	22'-6"	
b <sub>3</sub>	144	# 4	18'-6"	
b <sub>4</sub>	72	# 4	18'-3"	
b <sub>5</sub>	48	# 4	10'-0"	
b <sub>6</sub>	48	# 4	8'-6"	
d	784	# 4	1'-0"	
s	392	# 4	5'-0"	
Class X Concrete		Cu Yd.	400.8	*
Reinforcement Bars		Lbs.	94,360	*
Structural Steel		Lbs.	155,200	

Weight of Rollers, Rockers, Bearing Plates, Lead Plates, and Anchor Bolts included as Structural Steel. Est. Wt. 13,870 Lbs.  
\* These quantities do not include parapet or end parts which will be found on Sheet #9.

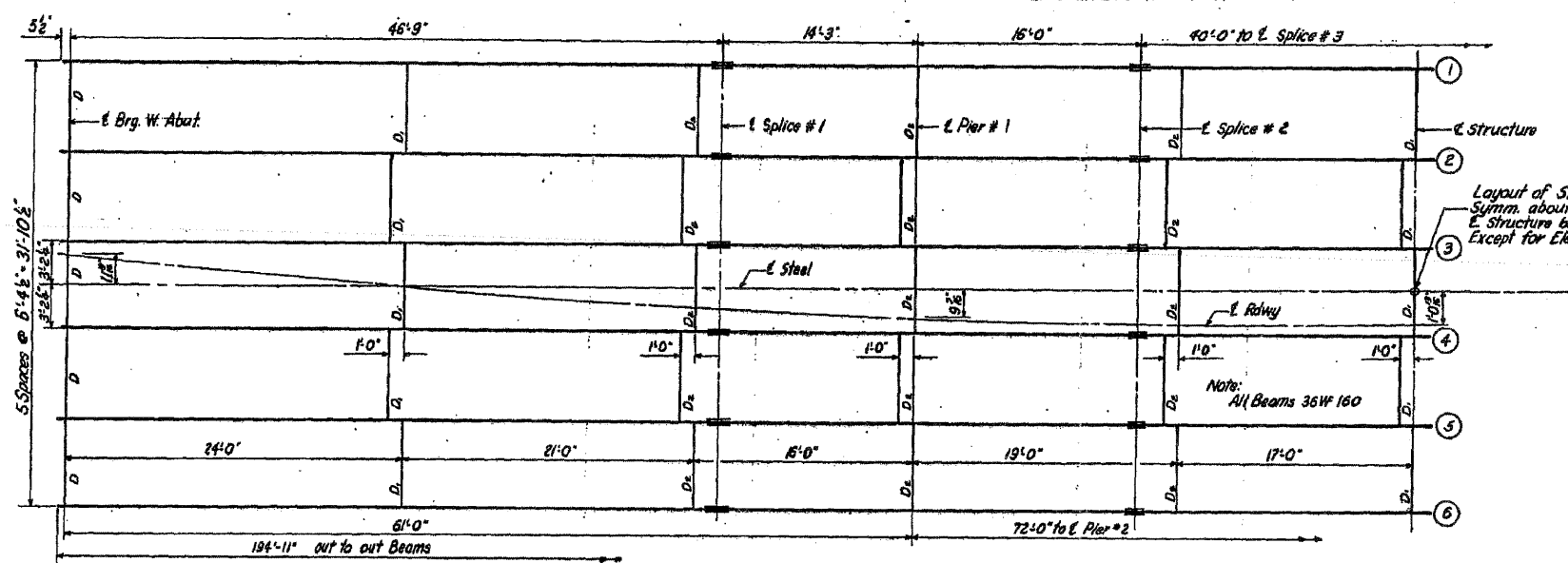
DESIGNED *Wm. A. Smith*  
CHECKED *T. Tanaka*  
DRAWN *Wm. A. Smith*  
CHECKED *T. Tanaka*

EXAMINED *Dec 4 1959*  
PASSED *[Signature]*  
APPROVED *[Signature]*

**HALF PLAN SOUTH CURB**  
Showing Top Slab and Curb Reinforcement

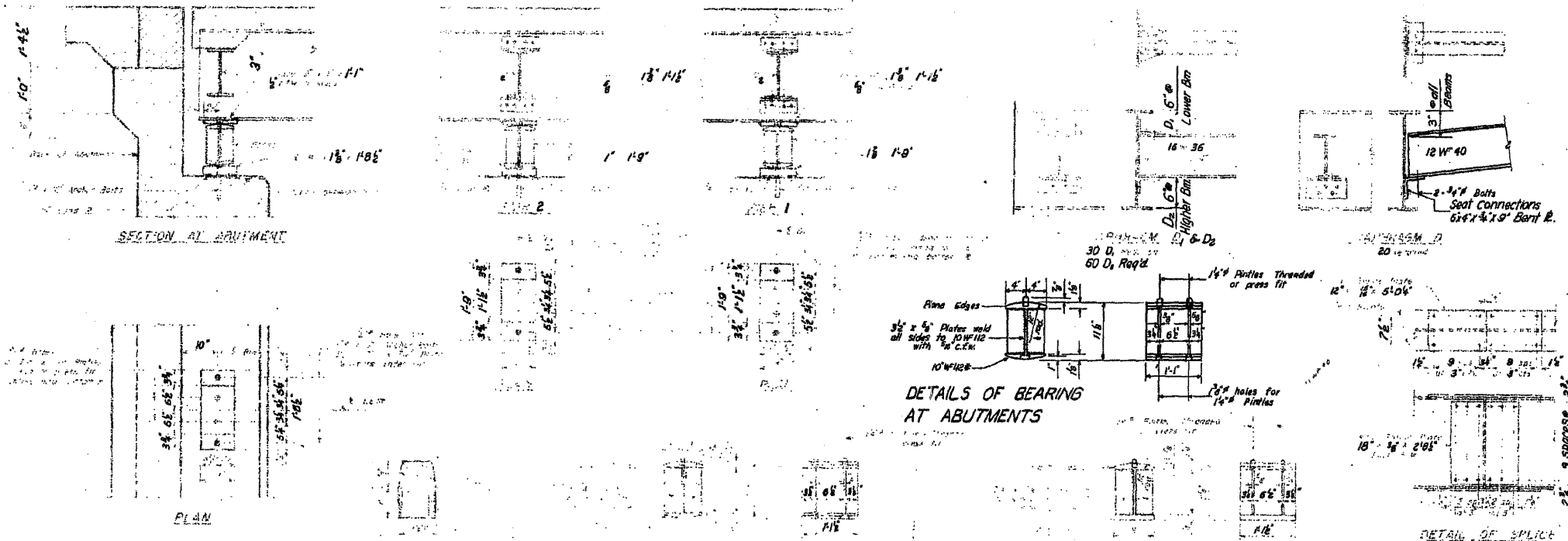
See Sheet #2 for following details:  
Section A-A, Cross Section, Load Deflection Diagram, Curb Detail, and Method of Determining Pile Height

**SLAB REINFORCEMENT LAYOUT  
NORTH & SOUTH STRUCTURES  
LITTLE MENOMINEE RIVER  
S.B.I. RT.5 SEC. 44-B  
JO DAVIESS COUNTY  
STA. 318 + 30**



Layout of Structural Steel  
Summ. about E. Steel and  
E. Structure by rotation of 180°  
Except for Elevations.

STRUCTURAL STEEL LAYOUT  
North and South Structures



ELEVATIONS TOP OF BEAMS - NORTH STRUCTURE

LOCATION	Beam #	1	2	3	4	5	6
E. Brg. W. Abut.		675.200	675.462	675.764	676.048	676.331	676.613
E. Splice # 1		673.571	673.854	674.136	674.420	674.702	674.985
E. Pier # 1		673.114	673.427	673.709	673.993	674.276	674.558
E. Splice # 2		672.665	672.946	673.230	673.514	673.796	674.079
E. Splice # 3		671.594	671.876	672.159	672.442	672.725	673.008
E. Brg. Pier # 2		671.216	671.499	671.781	672.065	672.347	672.630
E. Splice # 4		670.880	671.163	671.445	671.728	672.011	672.294
E. Brg. E. Abut.		670.032	670.315	670.597	670.881	671.163	671.446

ELEVATIONS TOP OF BEAMS - SOUTH STRUCTURE

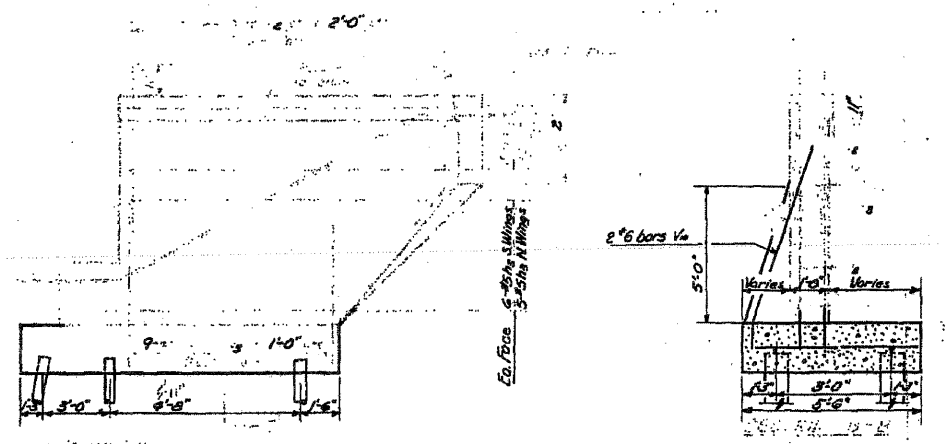
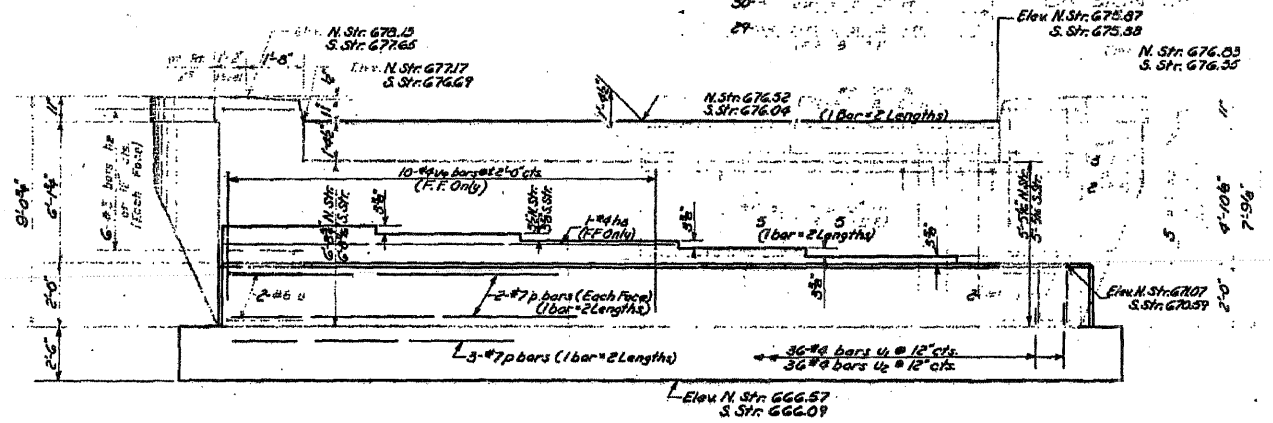
LOCATION	Beam #	1	2	3	4	5	6
E. Brg. W. Abut.		674.714	674.896	675.279	675.562	675.844	676.127
E. Splice # 1		673.043	673.325	673.608	673.890	674.173	674.456
E. Pier # 1		672.603	672.886	673.168	673.451	673.734	674.016
E. Splice # 2		672.110	672.392	672.675	672.958	673.240	673.523
E. Splice # 3		671.005	671.288	671.570	671.853	672.136	672.418
E. Brg. Pier # 2		670.615	670.898	671.180	671.463	671.745	672.028
E. Splice # 4		670.268	670.550	670.833	671.116	671.399	671.681
E. Brg. E. Abut.		669.386	669.669	669.951	670.234	670.517	670.799

\* For fabrication only. Does not include deflections.  
Note: For weight of structural steel see sheet N° 3

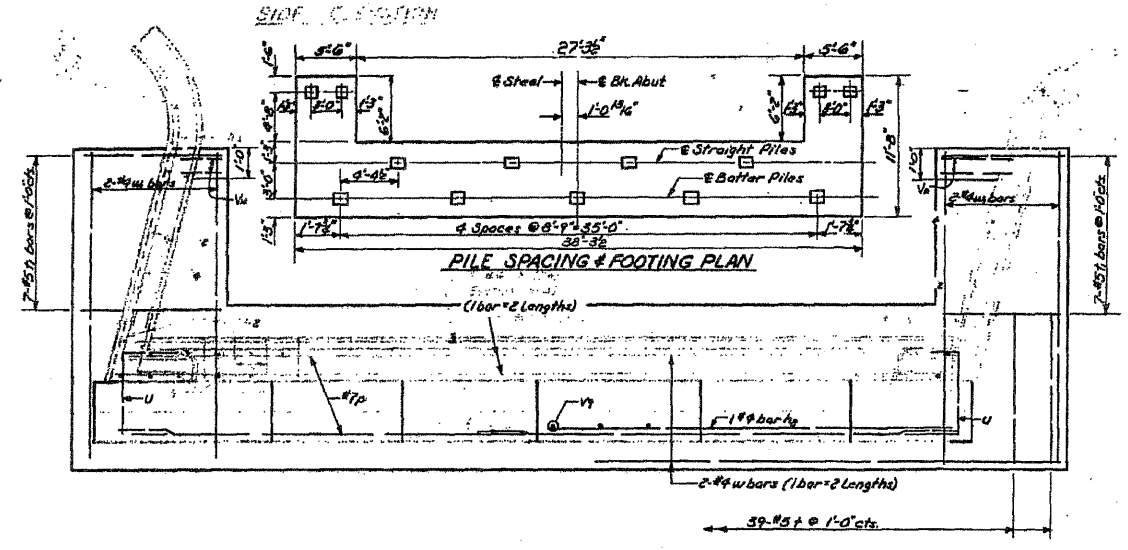
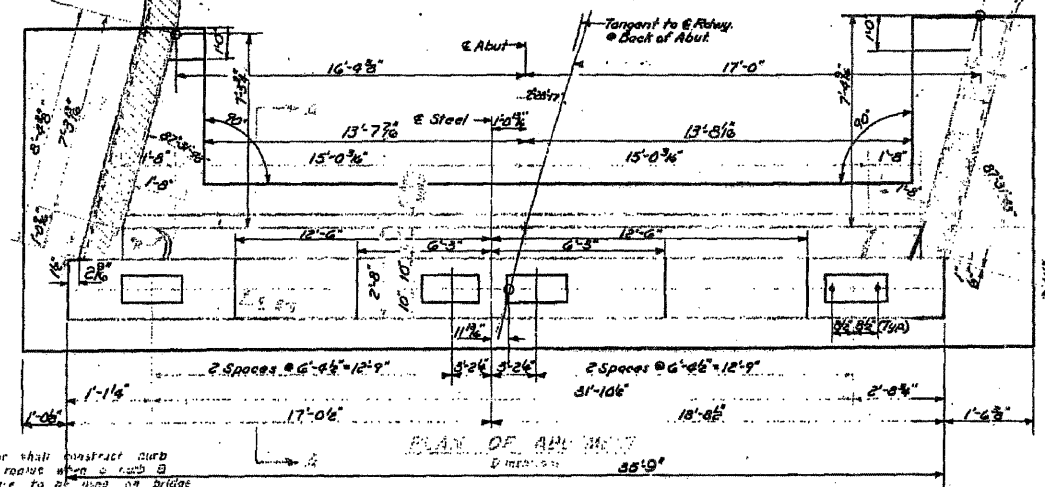
**STRUCTURAL STEEL DETAILS**  
**NORTH & SOUTH STRUCTURES**  
**LITTLE MENOMINEE RIVER**  
**S.B.I. RT. 5 SEC. 44(B)**  
**JO DAVIESS COUNTY**  
**STA. 318 + 30**

DESIGNED: Tom A. Sniff  
CHECKED: T. Tomaka  
DRAWN: Tom A. Sniff  
PLOT DATE: 12/6/2011  
PLOT TIME: 10:14:52 AM

DEC. 9 '11  
M. R. ...  
R. B. ...

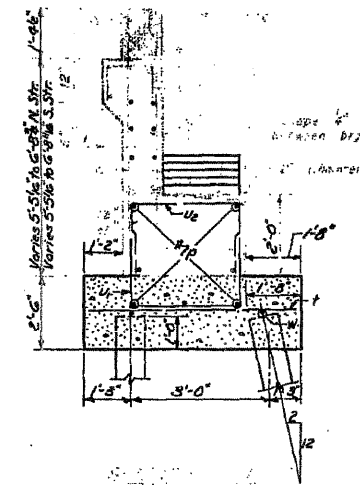
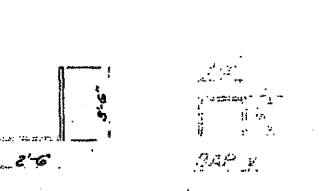
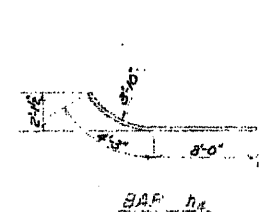
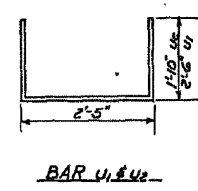


Elevations and Dimensions are at Back of Abutments  
 Type - 10BP42  
 Capacity - 33 Tons  
 Est. Length - N. Str. 20'-0"  
 S. Str. 23'-0"  
 No. Req'd - 24 + 2 Test Piles (2 Abuts)



\* Note: Contractor shall construct curb without parapet when a curb is gutter are to be used on bridge approaches (See Note D.204)

Note: See Sheet No. 6 for Pile Detail



**BILL OF REINFORCEMENT NORTH AND SOUTH STRUCTURES**

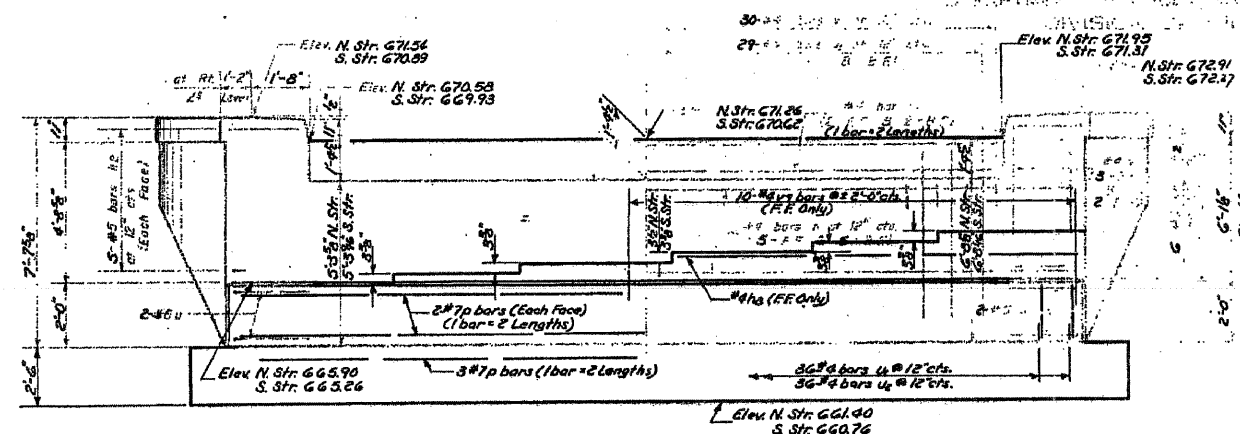
ITEM	QTY	SIZE	LENGTH	WEIGHT	REMARKS
U1	48	#4	17'-6"	8	U1
U2	16	#4	15'-6"	4	U2
V1	44	#4	6'-0"	72	V1
V2	44	#4	8'-3"	72	V2
V3	24	#4	12'-3"	60	V3
V4	2	#4	10'-3"	136	V4
W	28	#7	19'-6"	48	W
W	28	#5	4'-0"	8	W

**BILL OF MATERIAL NORTH AND SOUTH STRUCTURE**

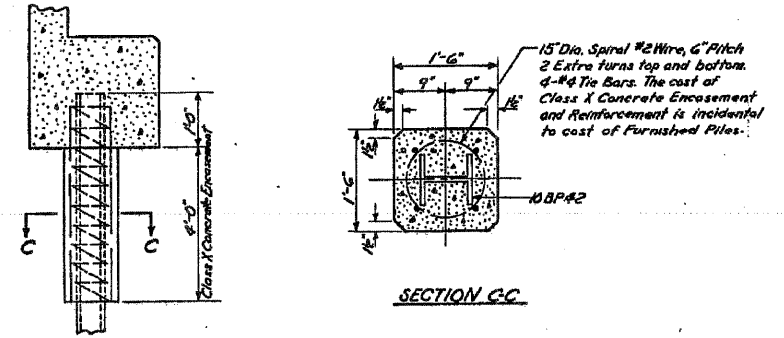
Concrete	106.5
Steel Piles (10BP42) Lin. Ft	5650
Steel Test Piles (10BP42) Each	2

DEC. 4 '57  
 T. Tanaka  
 J.L. Armstrong  
 R.H. Bartelme

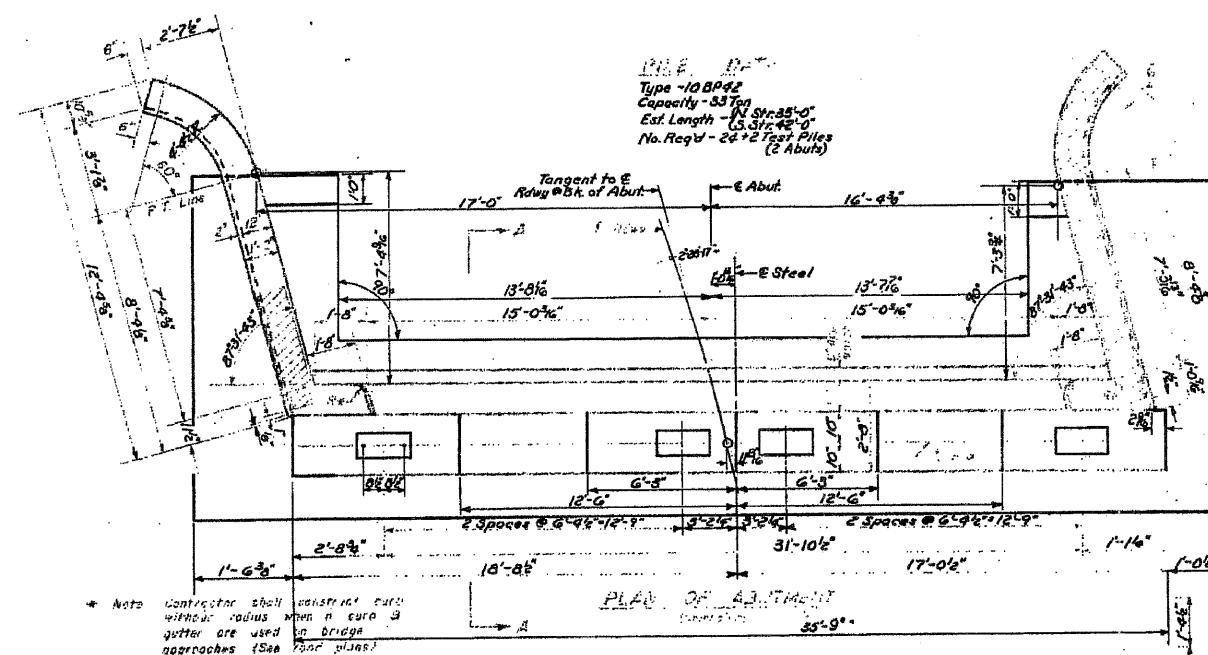
**WEST ABUTMENTS NORTH & SOUTH STRUCTURES**  
 LITTLE MENOMINEE RIVER  
 S.B.I. RT. 5 SEC. 44 B  
 JO DAVIESS COUNTY  
 STA. 318 + 30



ELEVATION  
at Right End of Foot  
Elevations and Dimensions are of Back of Abutment



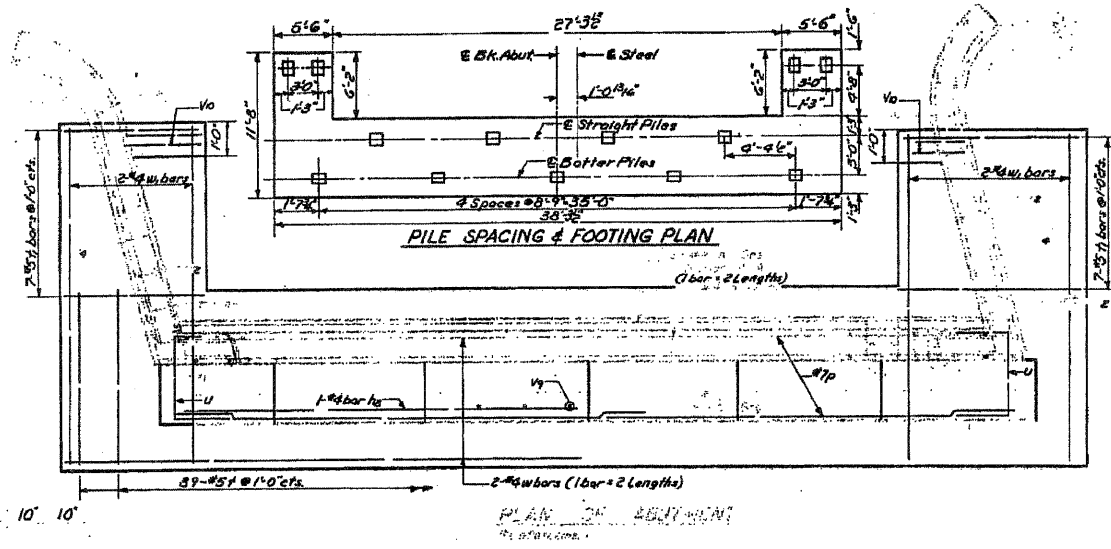
PILE DETAIL



PILE DATA  
Type - 10BP42  
Capacity - 53 Ton  
Est. Length - 33 Str. 35'-0"  
33 Str. 42'-0"  
No. Req'd - 24 #2 Ties Piles  
(2 Abut)

\* Note: Contrast the shell without radius when a curb & gutter are used in bridge approaches (See Road Plans)

Note: Min Lap equal 20d See Sheet #5 for Bar bending Details, Side Elevation, and Section B-B.



PILE SPACING & FOOTING PLAN

**BILL OF REINFORCEMENT NORTH AND SOUTH STRUCTURES**

NO.	SIZE	LENGTH	UNIT	QTY	NO.	SIZE	LENGTH	UNIT	QTY
1	#2	17'-6"	U	8	26	#4	9'-6"	U	1
2	#4	17'-6"	U	8	27	#4	7'-5"	U	1
3	#4	15'-6"	U	72	28	#4	6'-4"	U	1
4	#4	6'-0"	U	72	29	#4	6'-0"	U	1
5	#4	8'-3"	U	72	30	#4	7'-3"	U	1
6	#4	12'-3"	U	60	31	#4	5'-0"	U	1
7	#4	15'-3"	U	48	32	#4	7'-3"	U	1
8	#4	18'-6"	U	24	33	#4	5'-0"	U	1
9	#4	18'-6"	U	48	34	#4	2'-3"	U	1
10	#4	18'-6"	U	72	35	#4	8'-6"	U	1
11	#4	18'-6"	U	20	36	#4	19'-6"	U	1
12	#4	5'-3"	U	8	37	#4	11'-3"	U	1
13	#4	4'-8"	U	8					

**BILL OF MATERIAL NORTH AND SOUTH STRUCTURES**

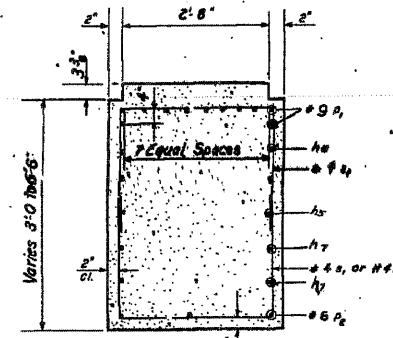
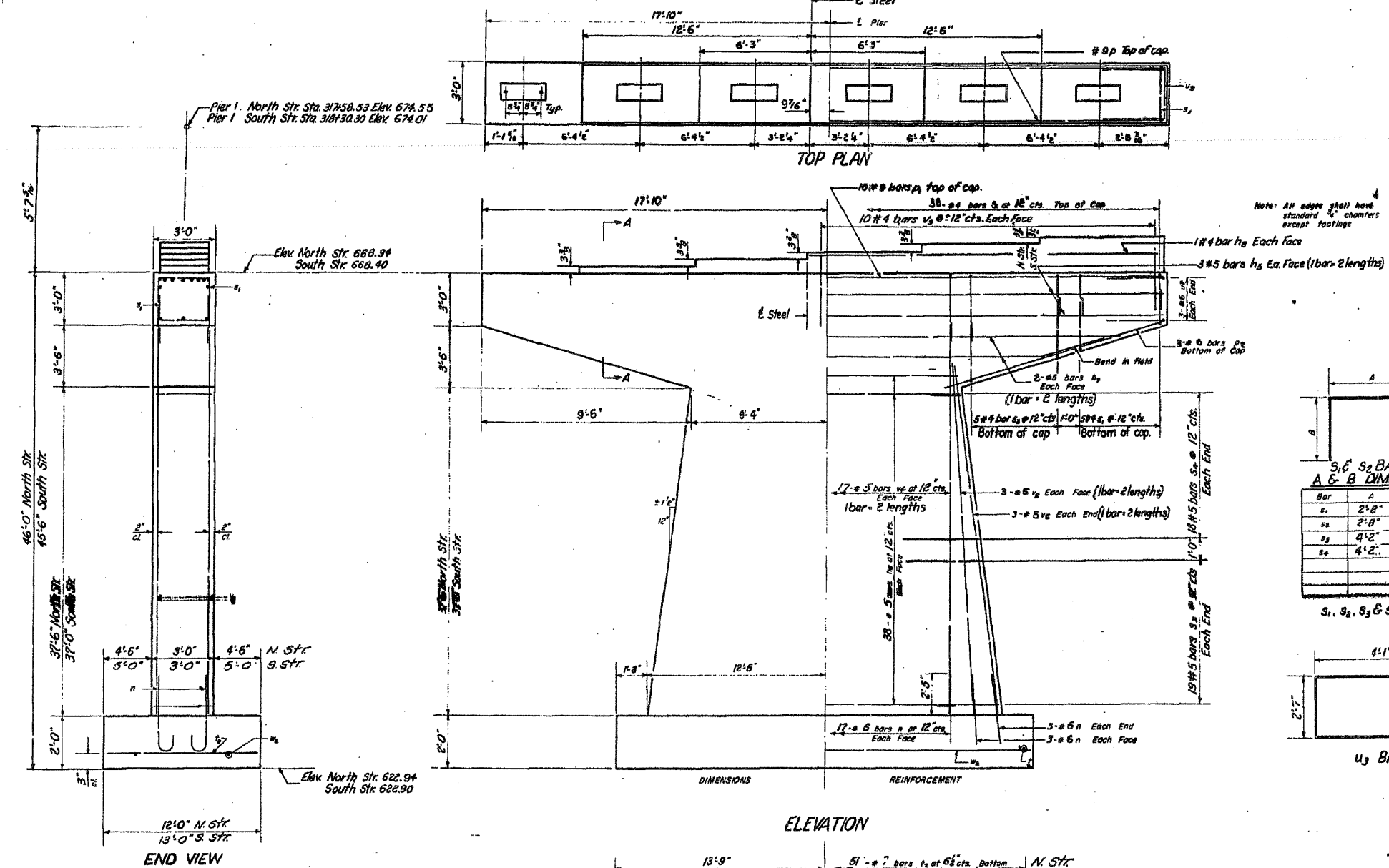
Steel Piles (10BP42)	Lin. Ft.	924
Steel Test Piles (10BP42)	Each	2
		106.4
		565.0

**EAST ABUTMENTS NORTH & SOUTH STRUCTURES LITTLE MENOMINEE RIVER S.B.I. RT. 5 SEC. 44-B JODAVIESS COUNTY STA. 318+30**

DESIGNED BY: *Tom A. Lind*  
 CHECKED BY: *T. Tanaka*  
 DRAWN BY: *W.A.S. J.L. Armstrong*  
 REVISIONS: *W.A. Soussman*  
 DATE: *DEC. 4 1959*  
 BY: *McDonnell*  
 CHECKED BY: *Ed. ...*  
 DRAWN BY: *R.H. ...*

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RT. 5	44A&B	JO DAVIESS	373	36
SHEET NO. 7				



S<sub>1</sub>, S<sub>2</sub> BARS  
A & B DIMENSIONS

Bar	A	B
s <sub>1</sub>	2'-8"	2'-8"
s <sub>2</sub>	2'-8"	4'-5"
s <sub>3</sub>	4'-2"	4'-8"
s <sub>4</sub>	4'-2"	3'-2"

S<sub>3</sub>, S<sub>4</sub> BARS

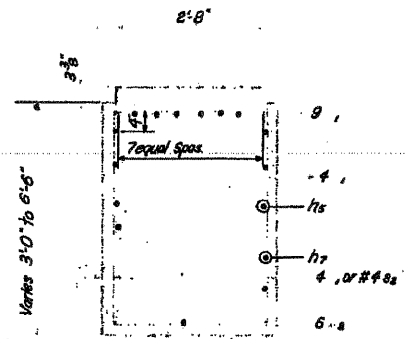
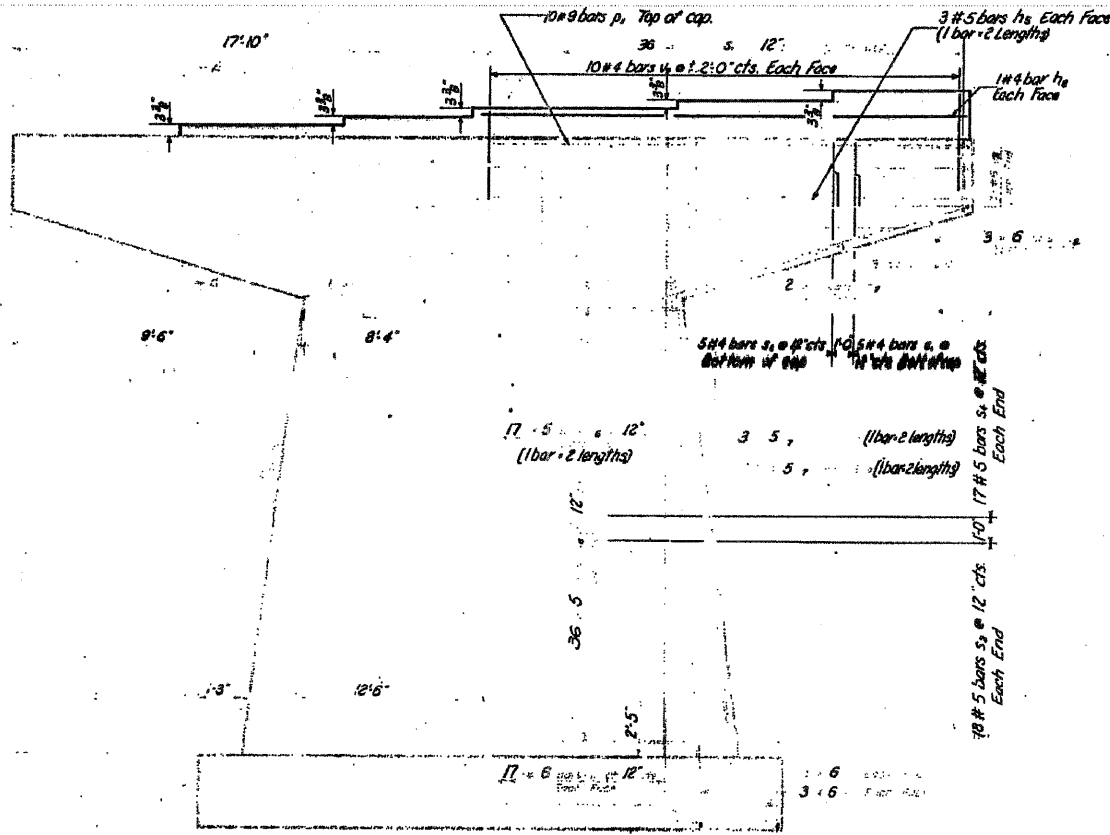
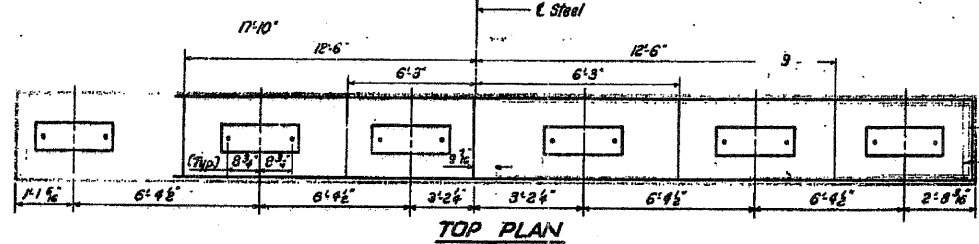
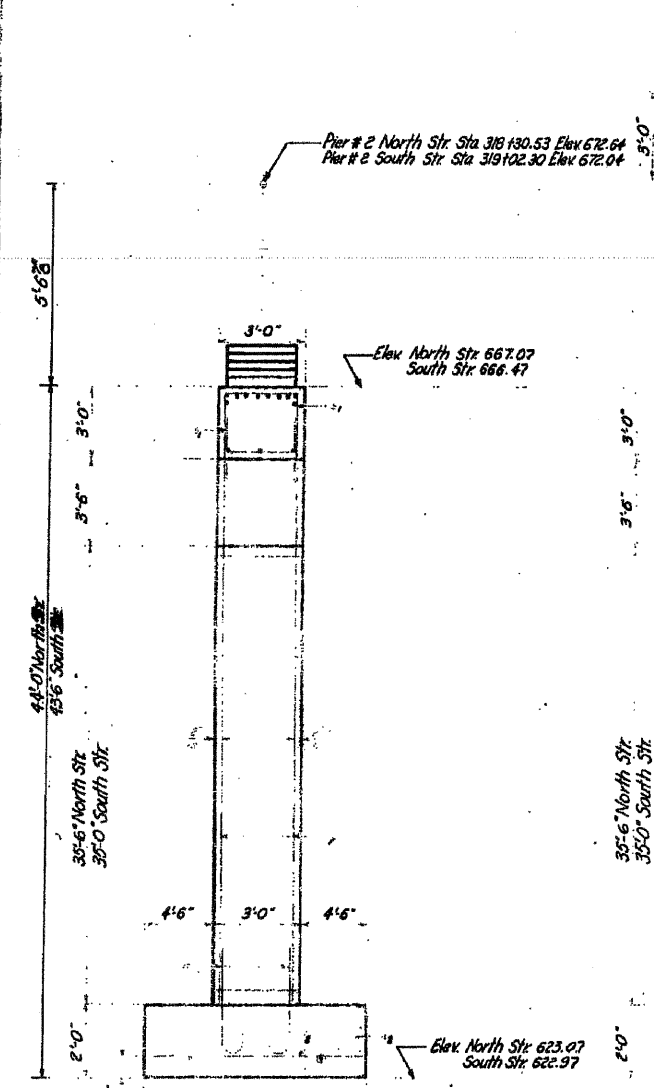
PIER #1  
NORTH & SOUTH STRUCTURES  
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h <sub>5</sub>	24	# 5	18'-3"	—
h <sub>6</sub>	152	# 5	16'-6"	—
h <sub>7</sub>	16	# 5	15'-9"	—
h <sub>8</sub>	4	# 4	18'-3"	—
n	104	# 6	4'-9"	U
p <sub>1</sub>	20	# 9	35'-3"	—
p <sub>2</sub>	18	# 8	11'-0"	—
s <sub>1</sub>	92	# 4	8'-0"	□
s <sub>2</sub>	20	# 4	11'-6"	□
s <sub>3</sub>	76	# 5	13'-6"	□
s <sub>4</sub>	72	# 5	10'-6"	□
r <sub>1</sub>	51	# 7	11'-9"	—
r <sub>2</sub>	55	# 7	12'-9"	—
u <sub>3</sub>	12	# 6	10'-9"	—
v <sub>6</sub>	136	# 5	22'-0"	—
v <sub>8</sub>	72	# 5	20'-3"	—
v <sub>9</sub>	40	# 4	2'-3"	—
v <sub>6</sub>	16	# 4	14'-0"	—
Class X Concrete		Cu Yd.	266.8	
Reinforcement Bars		Lb.	16,930	
Rock Excav For Struct.		Cu Yd.	25	

DESIGNED: *Wm. A. Soudoff*  
CHECKED: *T. Taniwa*  
DRAWN: *W. A. Soudoff*  
CHECKED: *T. Taniwa*

EXAMINED: *Wm. A. Soudoff*  
PASSED: *W. A. Soudoff*  
APPROVED: *R. H. ...*

PIER # 1  
NORTH & SOUTH STRUCTURE  
LITTLE MENOMINEE RIVER  
S.B.I. RT. 5 SEC. 44 - B  
JO DAVIESS COUNTY  
STA. 318 + 30

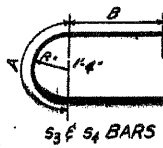


SECTION A-A

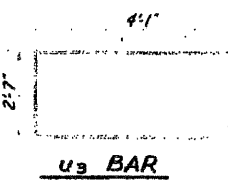
**S, E, S<sub>2</sub> BARS  
A & B DIMENSIONS**

s	2'-8"	2'-9"
e	2'-8"	4'-5"
s <sub>2</sub>	4'-2"	4'-8"
s <sub>4</sub>	4'-2"	3'-2"

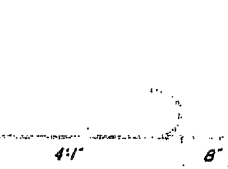
S, S<sub>2</sub>, S<sub>3</sub> & S<sub>4</sub> BARS



S<sub>3</sub> & S<sub>4</sub> BARS



U<sub>3</sub> BAR



n BAR

**PIER #2  
NORTH & SOUTH STRUCTURES  
BILL OF MATERIAL**

s	24	# 5	18'-3"
e	144	# 5	15'-6"
ht	16	# 5	15'-9"
hs	4	# 4	18'-3"
	104	# 6	4'-9"
i	20	# 8	35'-3"
z	12	# 6	11'-0"
	92	# 4	8'-0"
l	20	# 4	11'-6"
z	72	# 5	13'-6"
z	68	# 5	10'-6"
	102	# 7	11'-9"
z	12	# 6	10'-9"
z	136	# 5	21'-0"
z	72	# 5	19'-3"
z	40	# 4	2'-9"
z	16	# 4	14'-0"
X			255.6
			16,270

**PIER #2  
NORTH & SOUTH STRUCTURE  
LITTLE MEMOMINEE RIVER  
S.B.I. RT.5 SEC. 44-B  
JO DAVIESS COUNTY  
STA. 318 + 30**

DESIGNED: *Tom R. Smith*  
CHECKED: *T. T. Tamm*  
DRAWN: *Tom R. Smith*  
DATE: *DEC. 4 1959*

**WHKS & CO.**  
ENGINEERING  
7018 KINGSMILL CT.,  
SPRINGFIELD, IL  
(217) 483-9457  
DESIGN FIRM #184001036

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING PLANS  
STRUCTURE NO. 043-0004 & 0005  
SHEET NO. 9 OF 11 SHEETS**

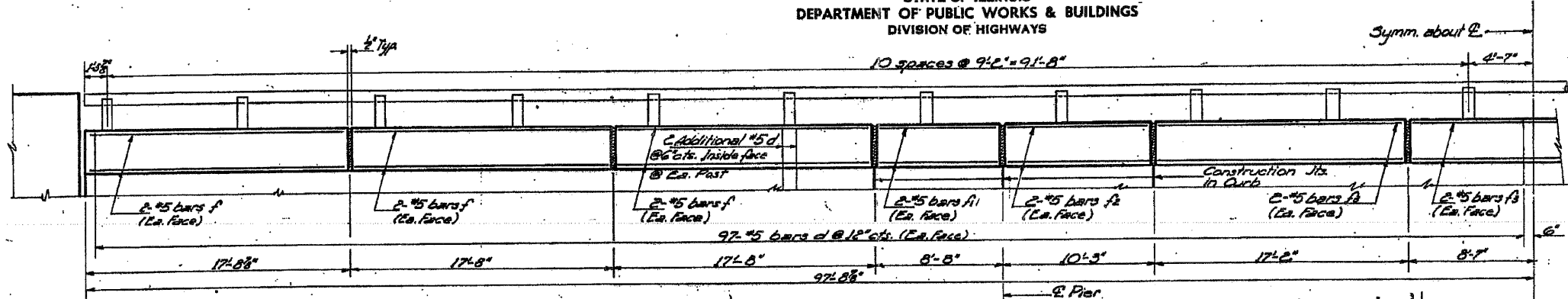
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B, 44B, 44HB, 45B/D)	JO DAVIESS	309	207
				CONTRACT NO. 64C94
ILLINOIS FED. AID PROJECT				

USER NAME = dheber-ling	DESIGNED - BRD	REVISED -
FILE NAME = 0430004&5-64C94E	CHECKED - CWC/SDS	REVISED -
PLOT DATE = 12/6/2011	DRAWN - DLH	REVISED -
PLOT TIME = 10:15:09 AM	CHECKED - BRD	REVISED -

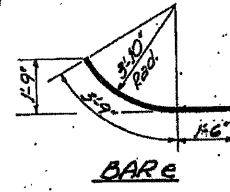
STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
44A4B	JO DAVIESS	373	38	11 SHEETS

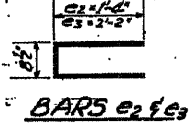
SHEET NO. 9  
11 SHEETS



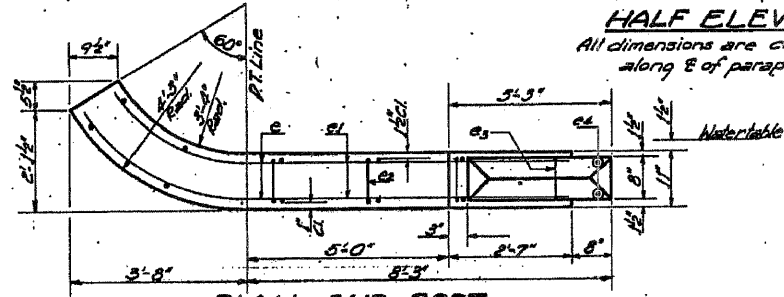
**HALF ELEVATION**  
All dimensions are chord dimensions along E of parapet



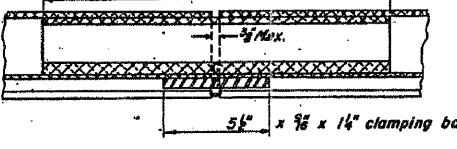
BAR e



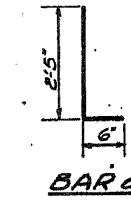
BARS e2 f e3



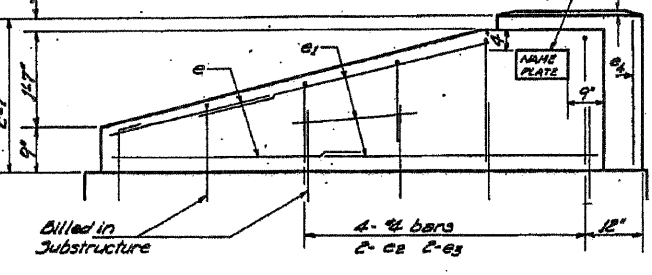
PLAN-END POST



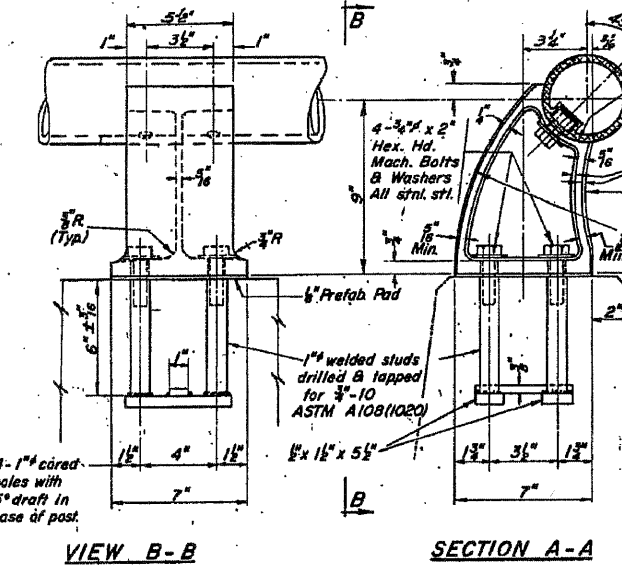
SECTION C-C



BAR d



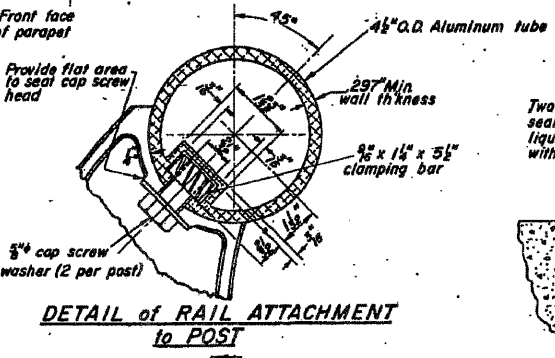
ELEVATION-END POST



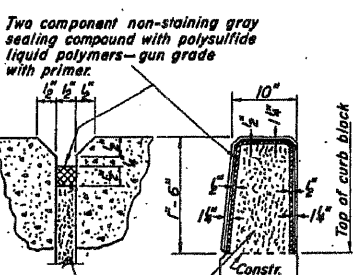
VIEW B-B

SECTION A-A

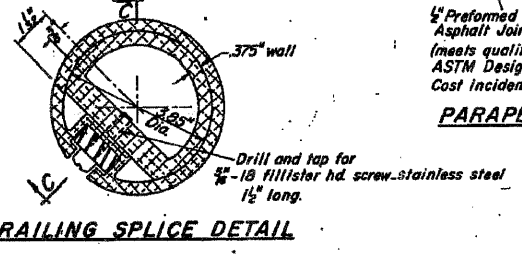
RAIL POST DETAILS



DETAIL of RAIL ATTACHMENT to POST



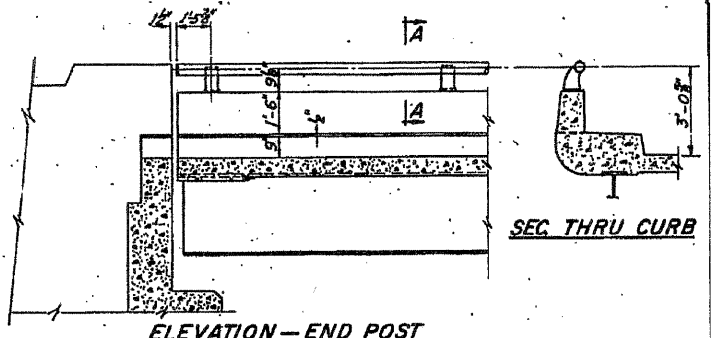
PARAPET JOINT DETAIL



RAILING SPLICE DETAIL



CAST END CAP  
DRIVE FIT TYPE  
B Required



SEC. THRU CURB

**NOTES:**  
All Posts shall be normal to parapet.  
All Aluminum Alloy Extruded Rail shall conform to ASTM specification B-235 alloy 6061-T6, or 6062-T6, and shall extend a minimum of 2 panel lengths (attached to a minimum of 3 posts) except at ends or at open joints where a minimum of 1 panel length is required. All joints in railing must be spliced per detail.  
See Special Provisions for following Material Specifications:  
Cast Aluminum Alloy Bridge Post Alloy 344-T4, Stainless Steel Machine Bolts, Washers, and Bars.  
For material composition of Prefabricated Pad, see Article 54.9(f), (Bearing and Anchorage), of the Standard Specifications.  
**METHOD OF MEASUREMENT:** Aluminum handrail shall be measured in lineal feet. The length paid for shall be the over all length along the top longitudinal railing member thru all posts and gaps.  
**BASIS OF PAYMENT:** Aluminum handrail shall be paid for at the contract unit price per lineal foot for ALUMINUM HANDRAIL, measured as specified, which price shall be payment in full for all materials, fabrication, transportation, and erection.  
Cost of rail splice, end caps, and hardware to be incidental to item ALUMINUM HANDRAIL.

**4 HANDRAILS  
BILL OF MATERIAL**

Item	Qty.	Unit	Total
Class A Concrete	43.6	cu. yd.	43.6
Reinforcement Bars	890	lbs.	890
Aluminum Handrail	282.0	lin. ft.	282.0

Bar	No.	Size	Length	Shape
e	32	#4	5'-3"	U
e1	48	#4	7'-0"	U
e2	16	#4	3'-4"	U
e3	16	#4	5'-0"	U
e4	16	#4	2'-3"	U
f	96	#5	17'-4"	U
f1	32	#5	8'-6"	U
f2	32	#5	9'-11"	U
f3	48	#5	16'-10"	U
d	1728	#5	2'-11"	L

**ALUMINUM HANDRAIL  
NORTH & SOUTH STRUCTURES  
LITTLE MENOMINE RIVER  
S.B.I. RT. 5 SEC. 44 B  
JO DAVIESS COUNTY  
STA. 318+30**

DESIGNED	BRD	EXAMINED	BRD
CHECKED	CWC/SDS	PASSED	CWC/SDS
DRAWN	Wm. M. Best	APPROVED	Wm. M. Best
CHECKED	BRD	REVISOR	BRD

**WHKS & CO.**  
ENGINEERING  
7018 KINGSMILL CT.  
SPRINGFIELD, IL  
(217) 483-9457  
DESIGN FIRM #184001036

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS  
STRUCTURE NO. 043-0004 & 0005  
SHEET NO. 10 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	143B, 44B, 44HB, 45BID	JO DAVIESS	309	208

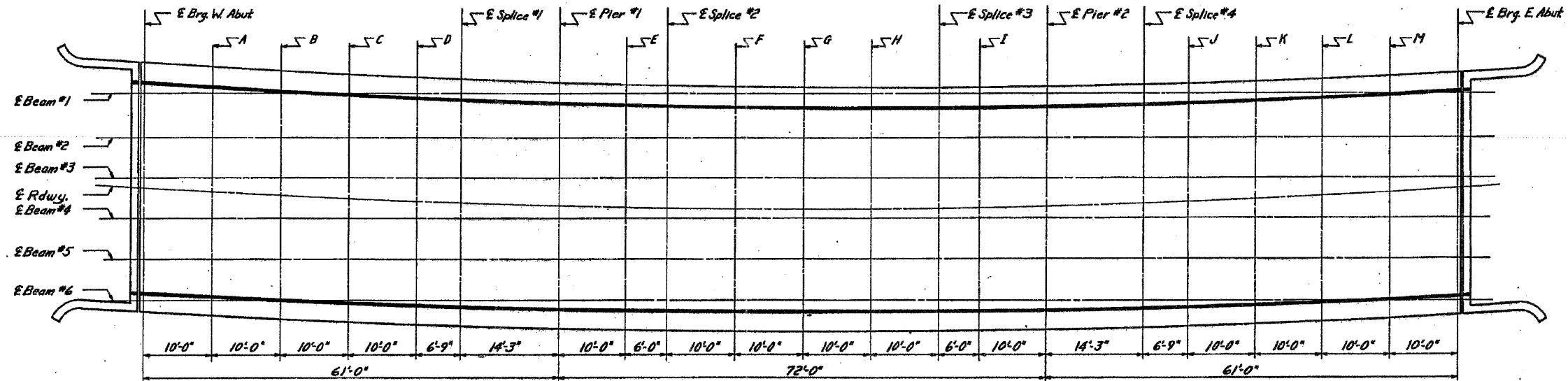
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ILLINOIS FED. AID PROJECT

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PLOT TIME = 10:15:11 AM



STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

DATE	SECTION	PROJECT	SHEET	NO.	SHEET NO. 10
4-15	444B	JO DAVIESS	373	40	11 SHEETS
FOR ROAD DIST. NO. 1					



PLAN NORTH & SOUTH STRUCTURES

ELEVATION-TOP OF SLAB NORTH STRUCTURE

Bm #	Elevations E Brg. W. Abut	Elevations Line A	Elevations Line B	Elevations Line C	Elevations Line D	Elevations E Splice #1	Elevations E Pier #1	Elevations Line E	Elevations E Splice #2	Elevations Line F	Elevations Line G	Elevations Line H	Elevations E Splice #3	Elevations Line I	Elevations E Pier #2	Elevations E Splice #4	Elevations Line J	Elevations Line K	Elevations Line L	Elevations Line M	Elevations E Brg. E. Abut
1	675.808	675.457	675.116	674.783	674.459	674.245	673.808	673.512	673.339	673.057	672.785	672.522	672.268	672.120	671.880	671.554	671.404	671.195	670.993	670.800	670.616
2	676.086	675.736	675.395	675.064	674.741	674.528	674.092	673.797	673.624	673.344	673.072	672.809	672.556	672.408	672.169	671.844	671.697	671.486	671.284	671.091	670.908
3	676.363	676.015	675.675	675.344	675.023	674.810	674.376	674.082	673.909	673.630	673.359	673.097	672.844	672.697	672.458	672.134	671.987	671.777	671.575	671.383	671.200
4	676.641	676.294	675.955	675.625	675.305	675.093	674.660	674.366	674.195	673.916	673.644	673.385	673.132	672.986	672.748	672.424	672.278	672.068	671.867	671.675	671.492
5	676.919	676.572	676.235	675.906	675.587	675.376	674.944	674.651	674.480	674.202	673.933	673.672	673.421	673.274	673.037	672.714	672.568	672.358	672.158	671.964	671.784
6	677.196	676.851	676.515	676.187	675.869	675.658	675.228	674.936	674.765	674.488	674.220	673.960	673.709	673.563	673.326	673.004	672.858	672.649	672.449	672.258	672.076

ELEVATION-TOP OF SLAB SOUTH STRUCTURE

Bm #	Elevations E Brg. W. Abut	Elevations Line A	Elevations Line B	Elevations Line C	Elevations Line D	Elevations E Splice #1	Elevations E Pier #1	Elevations Line E	Elevations E Splice #2	Elevations Line F	Elevations Line G	Elevations Line H	Elevations E Splice #3	Elevations Line I	Elevations E Pier #2	Elevations E Splice #4	Elevations Line J	Elevations Line K	Elevations Line L	Elevations Line M	Elevations E Brg. E. Abut
1	675.383	674.963	674.612	674.269	673.936	673.717	673.267	672.962	672.784	672.494	672.213	671.941	671.679	671.526	671.279	670.942	670.789	670.570	670.361	670.161	669.970
2	675.600	675.241	674.891	674.550	674.218	673.999	673.550	673.247	673.069	672.780	672.500	672.229	671.967	671.815	671.568	671.232	671.080	670.861	670.652	670.453	670.262
3	675.878	675.520	675.171	674.831	674.500	674.281	673.834	673.531	673.354	673.066	672.787	672.517	672.256	672.104	671.857	671.522	671.370	671.152	670.944	670.744	670.554
4	676.155	675.798	675.450	675.111	674.782	674.564	674.118	673.816	673.639	673.352	673.073	672.804	672.544	672.392	672.147	671.812	671.661	671.443	671.235	671.036	670.846
5	676.433	676.077	675.730	675.392	675.063	674.846	674.402	674.101	673.925	673.638	673.360	673.092	672.832	672.681	672.436	672.103	671.951	671.734	671.527	671.328	671.138
6	676.710	676.356	676.010	675.673	675.345	675.129	674.686	674.386	674.210	673.924	673.647	673.379	673.121	672.970	672.725	672.393	672.242	672.025	671.818	671.620	671.430

DESIGNED	William A. Smith
CHECKED	T. Tanaka
DRAWN	D. J. Coyne
CHECKED	T. Tanaka

EXAMINED	DEC 4 '59
PASSED	[Signature]
APPROVED	[Signature]

ELEVATIONS  
NORTH & SOUTH STRUCTURES  
LITTLE MENOMINEE RIVER  
SBI. RT.5 SEC. 44B-F)  
JO DAVIESS COUNTY  
STA. 318+30

50-1

STATE OF ILLINOIS  
 DEPARTMENT OF PUBLIC WORKS AND BUILDINGS  
 DIVISION OF HIGHWAYS  
 PLANS FOR PROPOSED  
 FEDERAL AID HIGHWAY

ROUTE AND DISTANCE	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 6	44&45	JO DAVIESS	376	1

P-92-003-00 (085)

INDEX OF SHEETS  
 See Sheet No. 2

PLAN 1 INCH = 100 FT.  
 PROFILE, HOR. 1 INCH = 100 FT.  
 PROFILE, VERT. 1 INCH = 10 FT.  
 CROSS-SECTIONS 1 INCH = 5 FT.

SN043-0006



FA ROUTE 6 SEC. 44HB, 44, 45  
 (SBI ROUTE 5) PROJ. F-240(7)  
 JO DAVIESS COUNTY  
 PAVING SECTIONS  
 C-92-001-67

SECTION 44		EQUATION	LENGTH CORR.
		254 + 90.94 BK = 254 + 89.57 AH	+1.37
		300 + 10.50 BK = 300 + 11.07 AH	-0.57
		351 + 63.57 BK = 351 + 64.58 AH	-1.01
		423 + 00.39 BK = 422 + 97.49 AH	+2.90
	TOTAL		+2.69

SECTION 45		EQUATION	LENGTH CORR.
		462 + 21.34 BK = 462 + 22.91 AH	-1.57
		475 + 47.03 BK = 475 + 43.82 AH	+3.21
		521 + 90.83 BK = 521 + 90.05 AH	+0.78
	TOTAL		+2.42

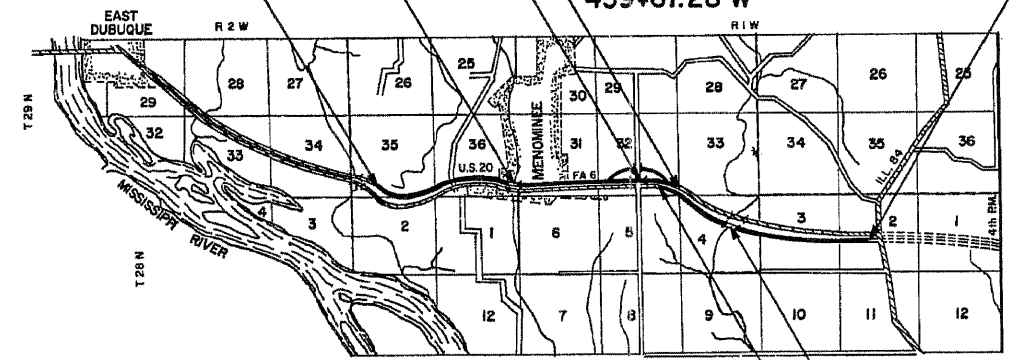
OMISSION STA. 316+95.67W - 318+93.39W

SECTION 44 HB INCLUDES One 3 Span, Continuous W F Beam Grade Separation Structure (carrying F.A. Route 6 over F.A.S. Route 69) on RC Piers and Pile Bent Abutments; Span Each 2 at 35'-10 and one at 51'-8" at Station 403+45 W

PROJ. F-240(7) SECTION 44 BEGINS STA. 221+00 W

SECTION 44 ENDS STA. 439+67.28 W

PROJ. F-240(7) SECTION 45 ENDS STA. 553+00 E



LAYOUT  
 SCALE: 1" = 1 MILE

OMISSION STA. 467+30.50E 469+39.82 E  
 SECTION 45 BEGINS STA. 436+00 E

DESIGN DESIGNATION  
 IOIO (87) - B-2 - B.II (PCC 20)

NET LENGTH OF SEC 44 = 21545.25 Feet = 4.081 Miles  
 NET LENGTH OF SEC 44 HB = 127.00 Feet = 0.024 Miles  
 NET LENGTH OF SEC 45 = 11493.10 Feet = 2.177 Miles  
 NET LENGTH OF PROJECT = 32,798.07 Ft. = 6.212 Miles

STATE OF ILLINOIS  
 DEPARTMENT OF PUBLIC WORKS AND BUILDINGS  
 DIVISION OF HIGHWAYS

SUBMITTED: March 28, 1987  
 D.E. Summalk  
 EXAMINED: [Signature]  
 PASSED: [Signature]  
 APPROVED: [Signature]  
 APPROVED: [Signature]

DEPARTMENT OF COMMERCE  
 BUREAU OF PUBLIC ROADS

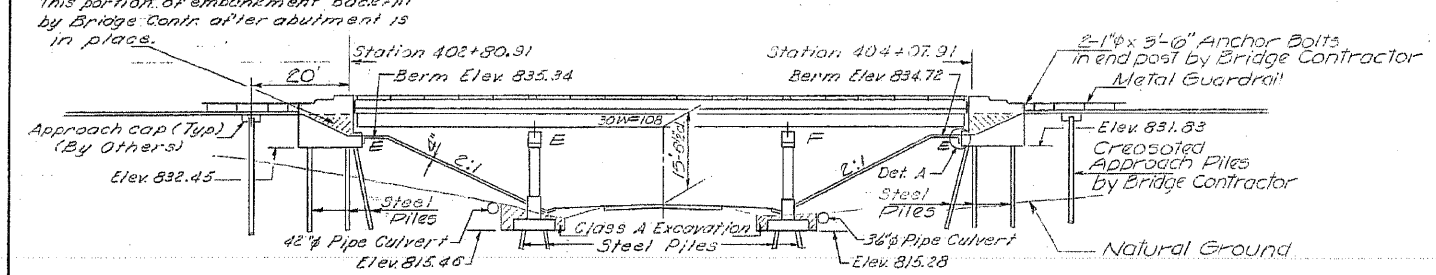
APPROVED: [Signature]  
 DIVISION ENGINEER DATE

CONTRACT NO. 25050

B.M. in North Corner of West headwall  
Culv. Sta. 13+42 Menominee Road.  
Elev. 823.74

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

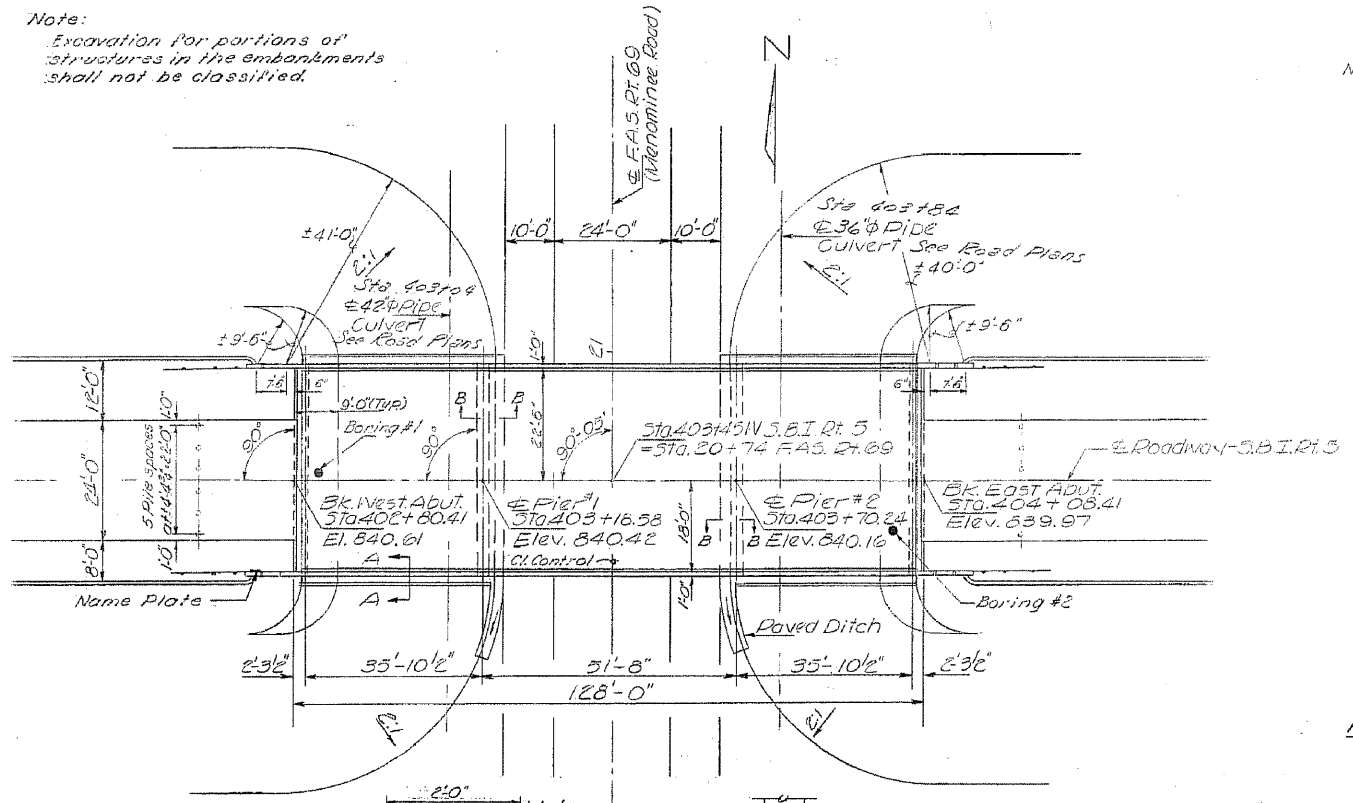
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. /
44B, 44C, 44D	44B, 44C, 44D	JO DAVIESS	376	56	10 SHEETS
F.A.P. RT. 5		ILLINOIS		FED. AID PROJECT: F-240(7)	



ELEVATION

Note:  
Excavation for portions of structures in the embankments shall not be classified.

Note:  
For quantities of Earthwork, Metal Guardrail, Paved Ditch and Headwalls for Pipe Culvert: see Road Plans.



APPROACH  
PILE DATA

Type: Creosoted  
No. Piles: 12  
Lgth. Req'd: 15'  
See Special Provisions

**GENERAL NOTES**

Coarse aggregate to be used in parapet handrails and end post must be free of chert, flint, limonite, lignite and soft sandstone.

The concrete floor slab shall be finished in accordance with Art 51.19 of the Std. Specifications. Slope Wall shall be reinforced with welded wire fabric 6"x6" mesh weighing 58 Lb. per 100 Sq. Ft. All reinforcement bars shall be lapped 20 dia. unless otherwise shown.

All structural steel shall conform to A.S.T.M. Designation A-36.

Rivets 3/4" dia., Open Holes 1 1/8" dia., unless otherwise noted.

Anchor bolts shall be set before post-tensioning diaphragms over supports.

Exposed surfaces of the expansion devices, inaccessible after erection, shall receive two shop coats of red lead paint. All other surfaces shall be given one shop coat of red lead paint. Anchor studs shall not be painted.

Expansion devices are included in the quantity of structural steel. Est. Wt. = 2170 Lbs.

Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two fish scale coats of aluminum paint. See Article 56.1 to 56.5 inclusive of the Standard Specifications.

The contractor shall drive two steel test piles, one at the West abutment and one at Pier 2, both in a permanent location as directed by the Engineer before ordering the remainder of piles.

All steel piles shall be driven to refusal.

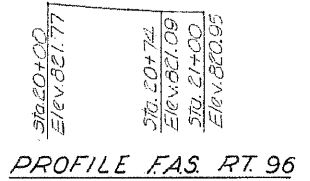
Permanent forms will not be permitted in forming the concrete floor.

FIELD WELDING OF CONSTRUCTION ACCESSORIES TO THE BOTTOM FLANGES OR FOR A DISTANCE OF 1/4 OF THE SPAN EACH WAY FROM THE SUPPORTS ON THE TOP FLANGES OF BEAMS OR GIRDERS WILL NOT BE PERMITTED. FIELD WELDING IN OTHER AREAS WILL BE PERMITTED ONLY WHEN APPROVED BY THE ENGINEER.

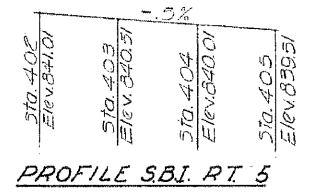
TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Class A Excav. for Structures	Cu. Yds.		100	100
Class X Concrete	Cu. Yds.	154.8	183.6	338.2
Protective Coat	Sq. Yds.	666		666
Structural Steel	Lbs.	105320		105320
Aluminum Handrail	Lm. Ft.	250		250
Reinforcement Bars	Lbs.	43650	16870	60520
Steel Piles (ABP30)	Lm. Ft.		1471	1471
Test Piles Steel (BBP30)	Eq.		2	2
Creosoted Piles (Up to 20')	Lm. Ft.		192	192
Name Plates	Eq.		1	1
Slope Wall (4')	Sq. Yds.		470	470
Bridge Seat Sealant	L.S.			1

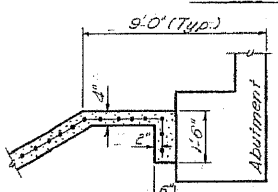
\* Includes application on inside vertical face, top, and exposed end of abutment wingwalls + all seatments etc.



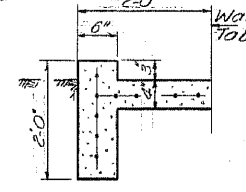
PROFILE F.A.S. RT. 96



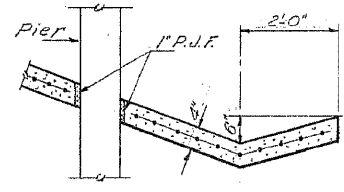
PROFILE S.B.I. RT. 5



DETAIL A



SECTION A-A



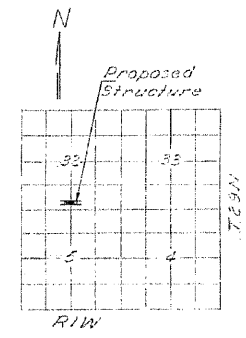
SECTION B-B

STATION 403+45 W  
BUILT 196 BY  
STATE OF ILLINOIS  
S.B.I. RT. 5 SEC. 45  
F.A. PROJ. F-240 (7)  
LOADING HS20

NAME PLATE  
(See Std. 2113-1)

DESIGN STRESSES

$f_c = 1400$  psi (Super & Sub)  
 $f_s = 20,000$  psi (Reinf.)  
 $f_s = 20,000$  psi (Struct.)  
 $v_c = 75$  psi (Figs.)  
 $n = 10$   
Allowable Future W.S. 25"/sq.ft.  
Allowable  $\Delta$  4"/1000  
LOADING HS20-44



LOCATION PLAN

DESIGNED: *Simon S. Jawad*  
CHECKED: *Mark McCormick*  
DRAWN: *J. Kessler*  
CHECKED: *Mark McCormick*

EXAMINED: *Jan 27 1967*  
PASSED: *W. E. Bannmann*  
APPROVED: *V. E. Staff*

WHKS & CO.  
ENGINEERING  
7018 KINGSMILL CT.,  
SPRINGFIELD, IL  
(217) 483-9457  
DESIGN FIRM #184001036

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS  
STRUCTURE NO. 043-0006  
SHEET NO. 2 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B, 44B, 44C, 45B)	JO DAVIESS	309	211
				CONTRACT NO. 64C94
ILLINOIS FED. AID PROJECT				

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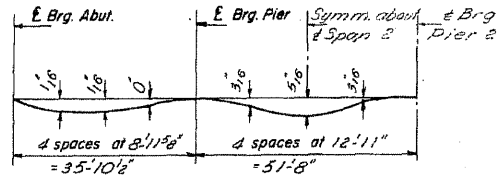
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DRAWN - DLH  
CHECKED - BRD

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

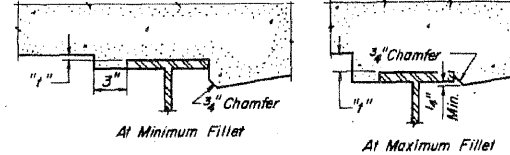
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6	44B, 44B, 44B, 44B	JO DAVIESS	376	57

SHEET NO. 2  
10 SHEETS



**DEAD LOAD DEFLECTION DIAGRAM**

(Includes weight of concrete only)  
Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.

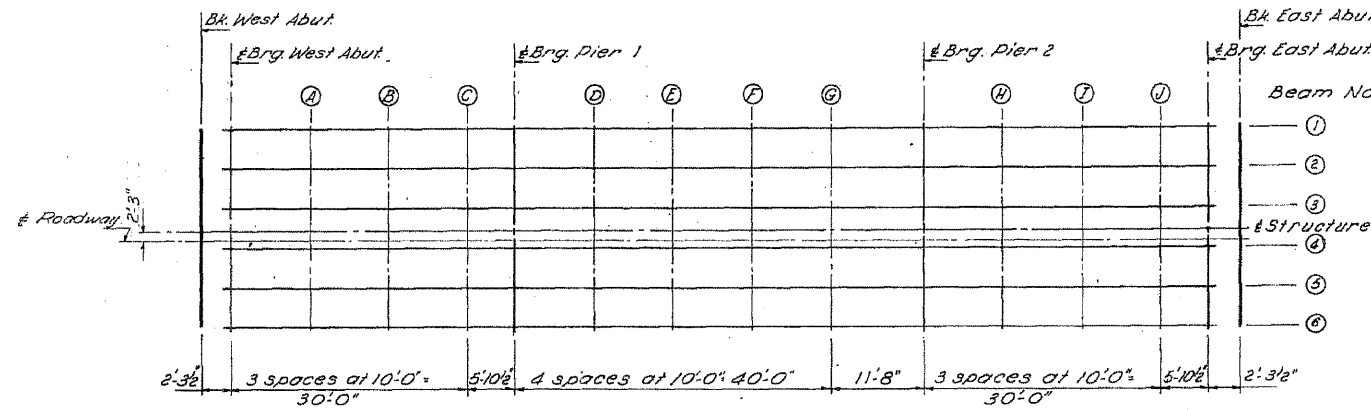


To determine "f": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "f" above top flange of beams.  
**FILLET HEIGHTS**

Location	Beam	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. West Abutment		40280,410	16.083	840,359	840,359
		40280,410	8.750	840,473	840,473
		40280,410	1.416	840,588	840,588
		40280,410	.000	840,610	840,610
		40280,410	5.916	840,518	840,518
		40280,410	13.250	840,403	840,403
		40280,410	20.583	840,288	840,288
	Brg. West Abutment	6	40282,702	16.083	840,347
5		40282,702	8.750	840,462	840,462
4		40282,702	1.416	840,576	840,576
3		40282,702	.000	840,599	840,599
2		40282,702	5.916	840,506	840,506
1		40282,702	13.250	840,392	840,392
		40282,702	20.583	840,277	840,277
A			40292,702	16.083	840,297
		40292,702	8.750	840,412	840,417
		40292,702	1.416	840,526	840,532
		40292,702	.000	840,549	840,554
		40292,702	5.916	840,456	840,461
		40292,702	13.250	840,342	840,347
		40292,702	20.583	840,227	840,232
	B		40302,702	16.083	840,247
		40302,702	8.750	840,362	840,366
		40302,702	1.416	840,476	840,480
		40302,702	.000	840,499	840,503
		40302,702	5.916	840,406	840,410
		40302,702	13.250	840,292	840,296
		40302,702	20.583	840,177	840,181
C			40312,702	16.083	840,197
		40312,702	8.750	840,312	840,312
		40312,702	1.416	840,426	840,426
		40312,702	.000	840,449	840,449
		40312,702	5.916	840,356	840,356
		40312,702	13.250	840,242	840,242
		40312,702	20.583	840,127	840,127
	Brg. Pier 1		40318,577	16.083	840,168
		40318,577	8.750	840,282	840,282
		40318,577	1.416	840,397	840,397
		40318,577	.000	840,419	840,419
		40318,577	5.916	840,327	840,327
		40318,577	13.250	840,212	840,212
		40318,577	20.583	840,96	840,96

Location	Beam	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
D		40328,577	16.083	840,118	840,130
		40328,577	8.750	840,232	840,245
		40328,577	1.416	840,347	840,359
		40328,577	.000	840,360	840,360
		40328,577	5.916	840,277	840,289
		40328,577	13.250	840,174	840,174
		40328,577	20.583	840,048	840,048
	E		40338,577	16.083	840,068
		40338,577	8.750	840,182	840,204
		40338,577	1.416	840,297	840,318
		40338,577	.000	840,319	840,340
		40338,577	5.916	840,227	840,246
		40338,577	13.250	840,122	840,133
		40338,577	20.583	839,998	840,019
F			40348,577	16.083	840,018
		40348,577	8.750	840,132	840,155
		40348,577	1.416	840,247	840,270
		40348,577	.000	840,269	840,292
		40348,577	5.916	840,177	840,199
		40348,577	13.250	840,062	840,085
		40348,577	20.583	839,946	839,970
	G		40358,577	16.083	839,968
		40358,577	8.750	840,082	840,097
		40358,577	1.416	840,197	840,211
		40358,577	.000	840,219	840,233
		40358,577	5.916	840,127	840,141
		40358,577	13.250	840,012	840,026
		40358,577	20.583	839,896	839,912
Brg. Pier 2			40370,243	16.083	839,910
		40370,243	8.750	840,024	840,024
		40370,243	1.416	840,139	840,139
		40370,243	.000	840,161	840,161
		40370,243	5.916	840,068	840,068
		40370,243	13.250	839,954	839,954
		40370,243	20.583	839,839	839,839

Location	Beam	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
H		40380,243	16.083	839,960	839,860
		40380,243	8.750	839,974	839,875
		40380,243	1.416	840,089	840,089
		40380,243	.000	840,111	840,111
		40380,243	5.916	840,018	840,019
		40380,243	13.250	839,904	839,904
		40380,243	20.583	839,789	839,790
	I		40390,243	16.083	839,910
		40390,243	8.750	839,924	839,929
		40390,243	1.416	840,039	840,044
		40390,243	.000	840,061	840,066
		40390,243	5.916	839,968	839,974
		40390,243	13.250	839,854	839,859
		40390,243	20.583	839,739	839,744
J			40400,243	16.083	839,760
		40400,243	8.750	839,874	839,878
		40400,243	1.416	839,989	839,992
		40400,243	.000	840,011	840,014
		40400,243	5.916	839,918	839,922
		40400,243	13.250	839,804	839,807
		40400,243	20.583	839,689	839,693
	Brg. East Abutment	6	40405,118	16.083	839,730
5		40405,118	8.750	839,845	839,845
4		40405,118	1.416	839,959	839,959
3		40405,118	.000	839,981	839,981
2		40405,118	5.916	839,889	839,889
1		40405,118	13.250	839,774	839,774
		40405,118	20.583	839,660	839,660
Bk. East Abutment			40408,410	16.083	839,719
		40408,410	8.750	839,833	839,833
		40408,410	1.416	839,948	839,948
		40408,410	.000	839,970	839,970
		40408,410	5.916	839,878	839,878
		40408,410	13.250	839,763	839,763
		40408,410	20.583	839,648	839,648



PLAN

TOP OF SLAB ELEVATIONS  
F.A. 6 (S.B.T. RT 5) SEC. 45  
JO DAVIESS COUNTY  
STATION 403+45W

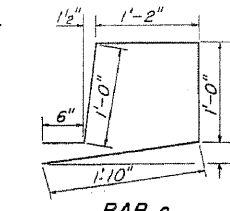
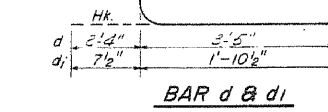
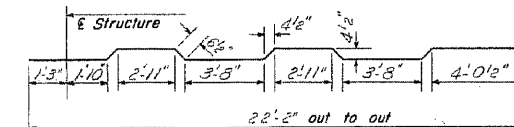
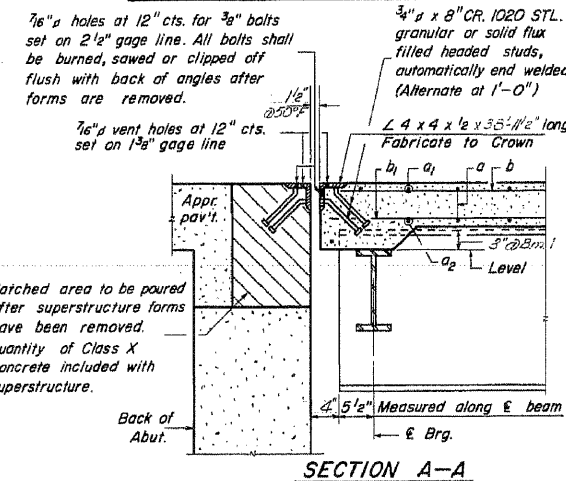
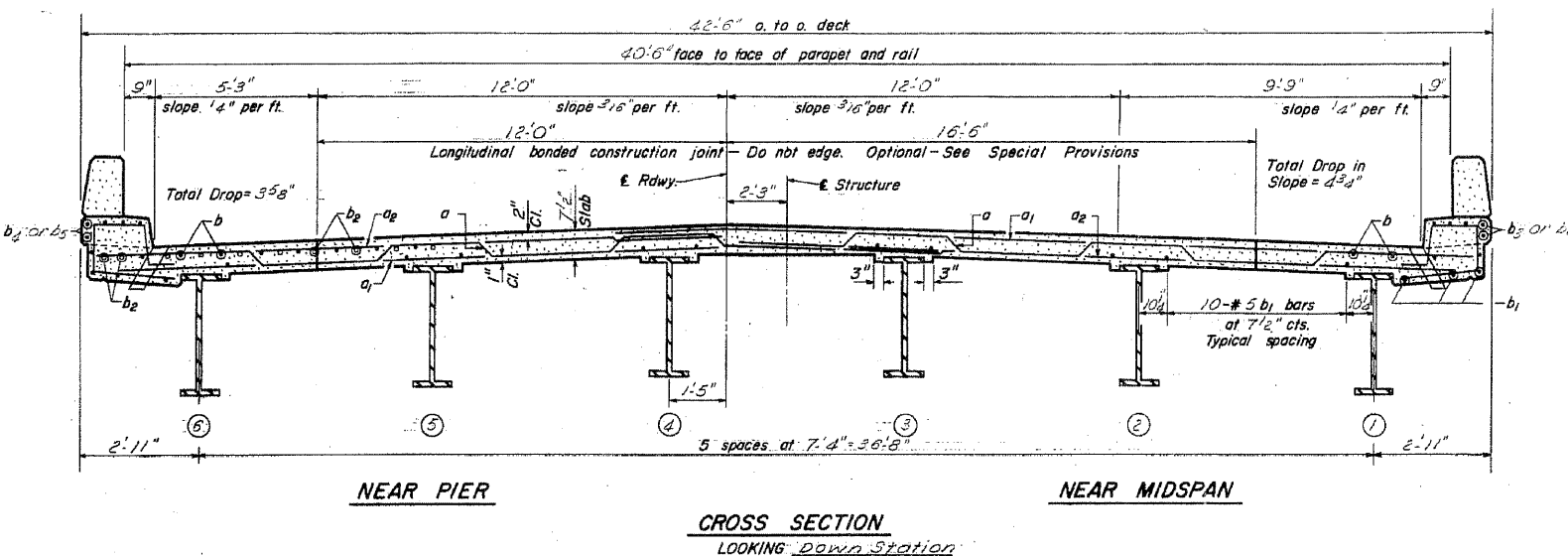
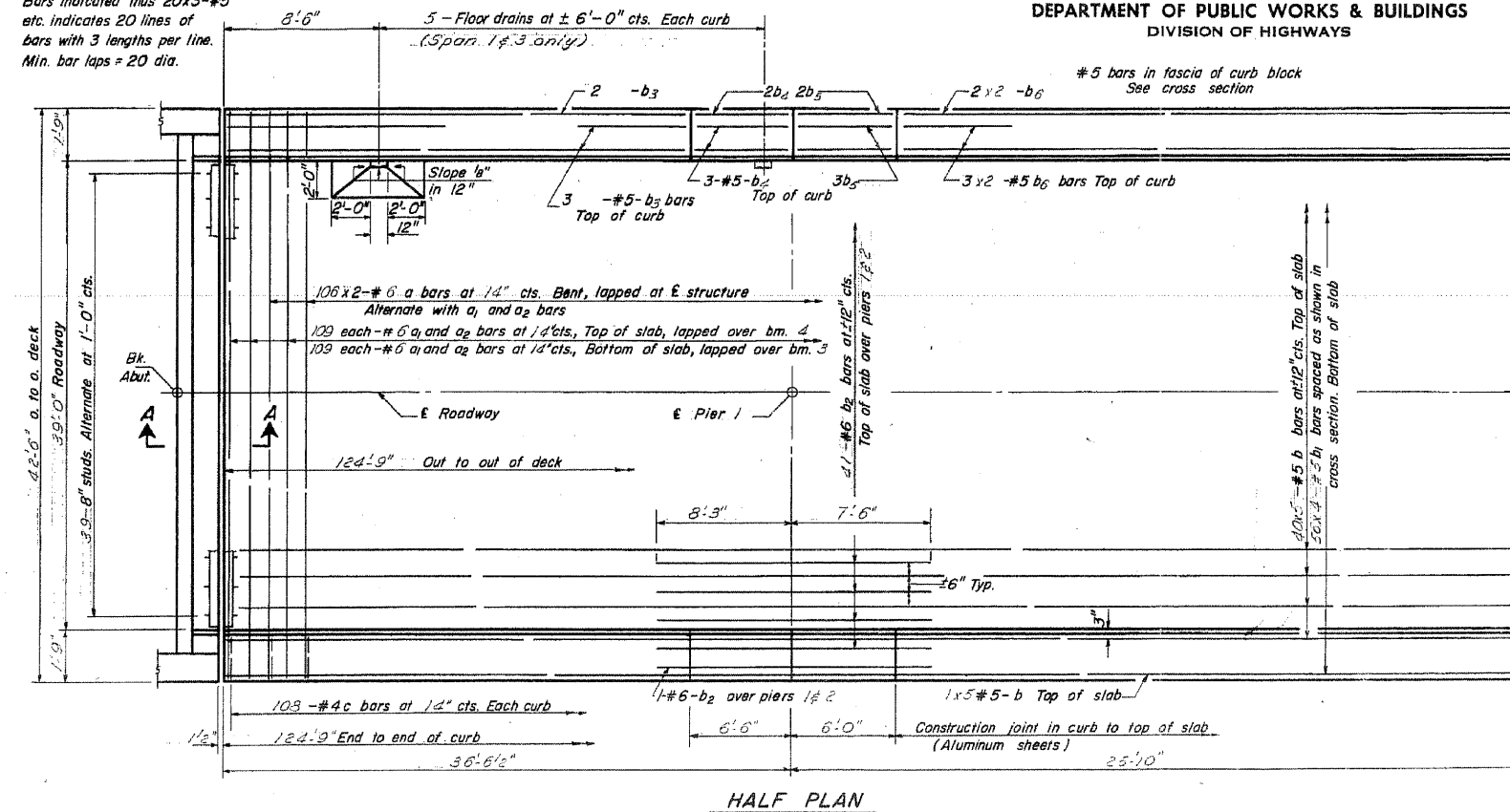
DESIGNED <i>W. S. Arnold</i>	EXAMINED <i>[Signature]</i>
CHECKED <i>[Signature]</i>	PASSED <i>[Signature]</i>
DRAWN <i>P.G. Barnett</i>	APPROVED <i>[Signature]</i>
CHECKED <i>[Signature]</i>	

E-5 8-1-65

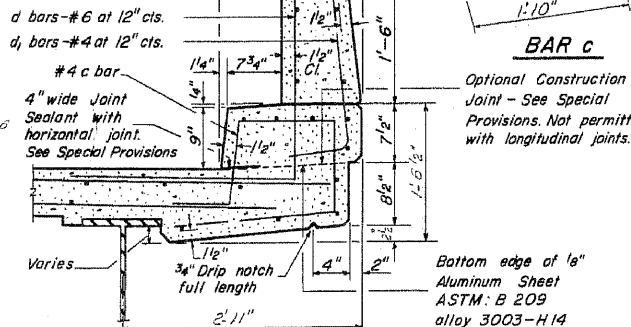
STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
44HB 44A5	6	JO DAVIESS	376	58	10 SHEETS

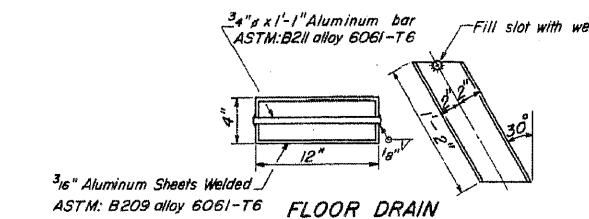
Note:  
Bars indicated thus 20x3-#5  
etc. indicates 20 lines of  
bars with 3 lengths per line.  
Min. bar laps = 20 dia.



Bar	No.	Size	Length	Shape
a	212	#6	23'-0"	
a1	218	#6	25'-0"	
a2	218	#6	18'-6"	
b	210	#5	25'-9"	
b1	234	#5	32'-0"	
b2	86	#6	15'-9"	
b3	20	#5	20'-9"	
b4	20	#5	6'-3"	
b5	20	#5	5'-9"	
b6	20	#5	20'-9"	
c	216	#4	5'-6"	
d	250	#6	3'-9"	
d1	250	#4	2'-6"	
Reinforcement Bars			Lbs.	41930
Structural Steel			Lbs.	105320
Class X Concrete			Cu Yd.	121.9



**CURB SECTION**  
Cost of Aluminum Drains and Sheets shall be incidental to Class X Concrete



**FLOOR DRAIN**  
3/16" Aluminum Sheets Welded  
ASTM: B209 alloy 6061-T6

\* Weight of bearing assemblies with lead plates, and anchor bolts is included as structural steel.  
Est. Wt = 6070 LBS.

The lengths and quantities of longitudinal reinforcement and Class X Concrete in parapets are not included in above quantities. See sheet 4.  
For spacing of d & d1, see sheet 4 of 10.

**SUPERSTRUCTURE**  
FA-6 (S.B.I. RT 5) SEC. 4.5  
JO DAVIESS COUNTY  
STATION 403+45W

DESIGNED: *[Signature]*  
CHECKED: *[Signature]*  
DRAWN: *[Signature]*  
CHECKED: *[Signature]*

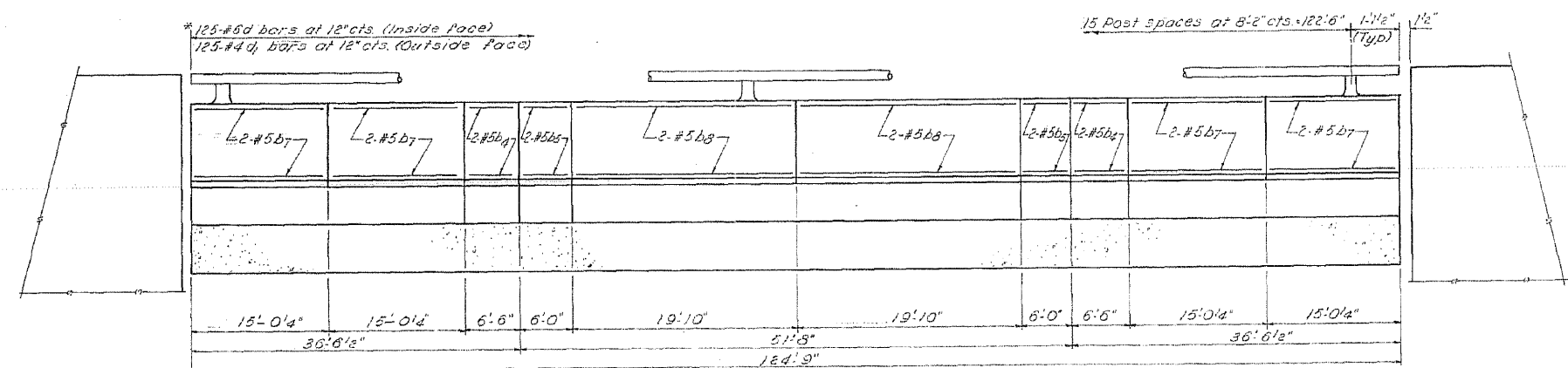
EXAMINED: *[Signature]*  
PASSED: *[Signature]*  
APPROVED: *[Signature]*

JAN 27 1967

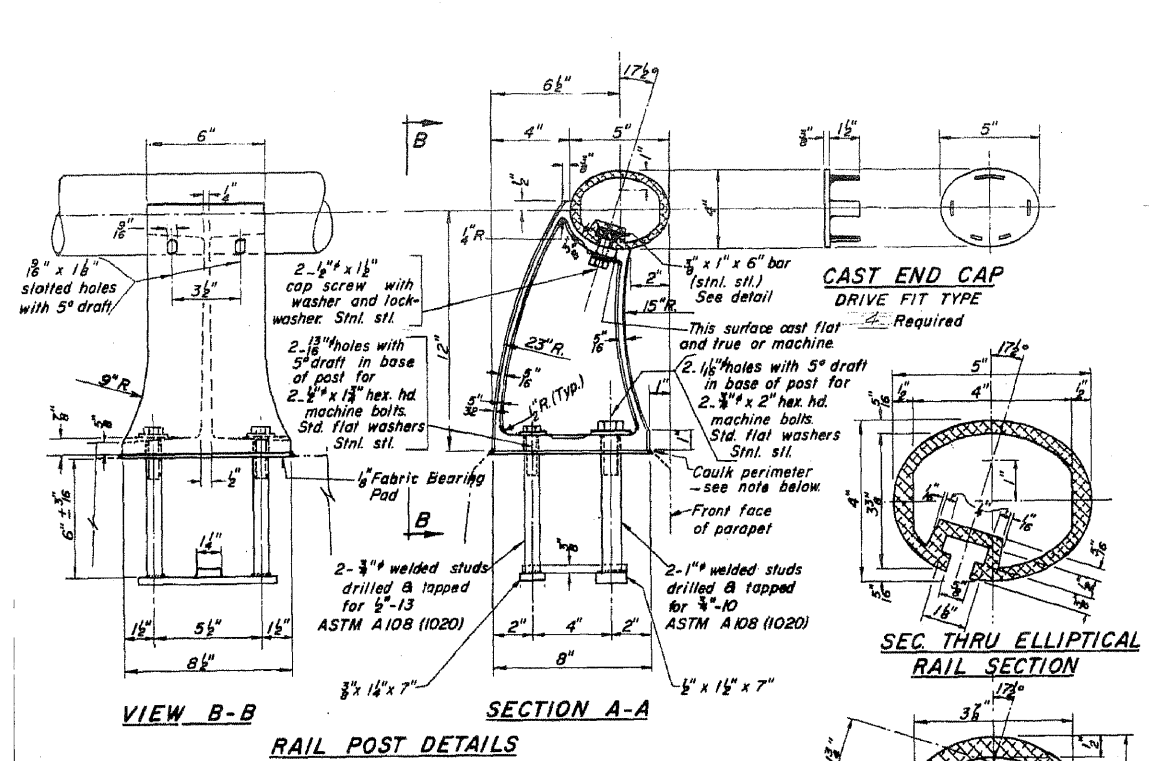
I-6-0 8-1-65 Rev. 1-11-66

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4
44HB	44.45	JO DAVIESS	376	59	10 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		



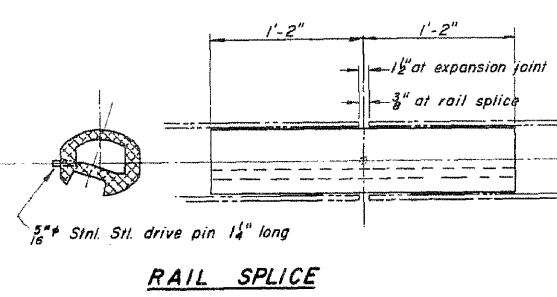
INSIDE VIEW of PARAPET  
#4d bars are billed on sheet No. 3



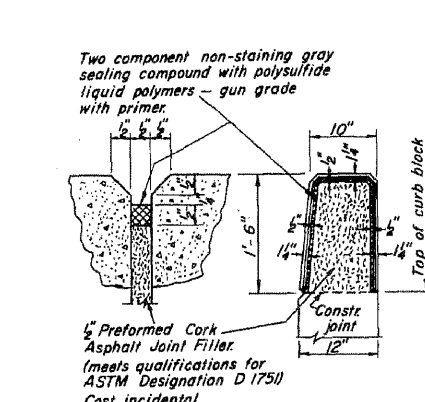
DESIGNED *Wm. M. Best*  
CHECKED *Wm. M. Best*  
DRAWN *Wm. M. Best*  
CHECKED *Wm. M. Best*

EXAMINED *Wm. M. Best*  
PASSED *Wm. M. Best*  
APPROVED *Wm. M. Best*

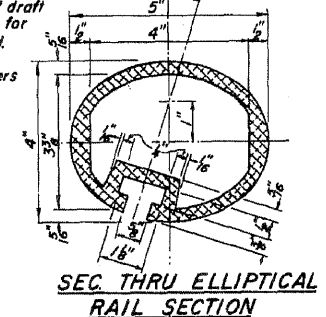
Note:  
Seal perimeter of base of post to parapet with two component non-staining gray sealing compound with polysulfide liquid polymers - gun grade with primer.



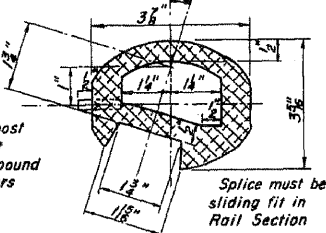
RAIL SPLICE



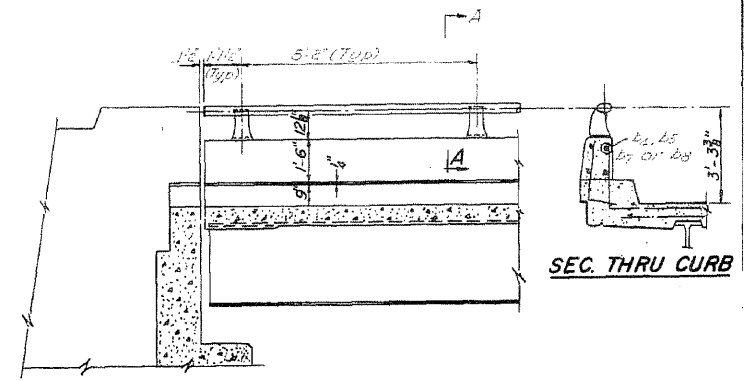
PARAPET JOINT DETAIL



SEC THRU ELLIPTICAL RAIL SECTION



SEC THRU SPLICE



INSIDE VIEW AT ABUTMENT

SEC. THRU CURB

NOTES:  
All Posts shall be normal to parapet.  
All Aluminum Alloy Extruded Rail shall conform to ASTM specification B-221 alloy 6061-T6 and shall be supplied in modular lengths of 30 feet, except at the end of bridge or over open joints in bridge deck where the rail shall be attached to a minimum of 2 posts. If the rail is on a horizontal curve of 2300 foot radius or less, the modular lengths may be reduced but shall be attached to a minimum of 2 posts.  
All joints in rail shall be spliced per detail.  
See Special Provisions for following Material Specifications:  
Cast Aluminum Alloy Bridge Post—Alloy A344-T4  
Stainless Steel Bars, Cap Screws, Washers and Lockwashers  
Fabric Bearing Pad.  
METHOD of MEASUREMENT: Aluminum handrail shall be measured in lineal feet. The length paid for shall be the over all length along the top longitudinal railing member thru all posts and gaps.  
BASIS of PAYMENT: Aluminum handrail shall be paid for at the contract unit price per lineal foot for ALUMINUM HANDRAIL, measured as specified, which price shall be payment in full for all materials, fabrication, transportation, and erection.  
Cost of rail splice, end caps, and hardware to be incidental to item ALUMINUM HANDRAIL.  
Provide 1- 1/2" and 2- 1/2" Aluminum Shims for 25% of the Posts. Rail element shall be parallel to Grade—high spots shall be ground, and low spots shimmed.

PARAPETS & RAILS  
BILL OF MATERIAL

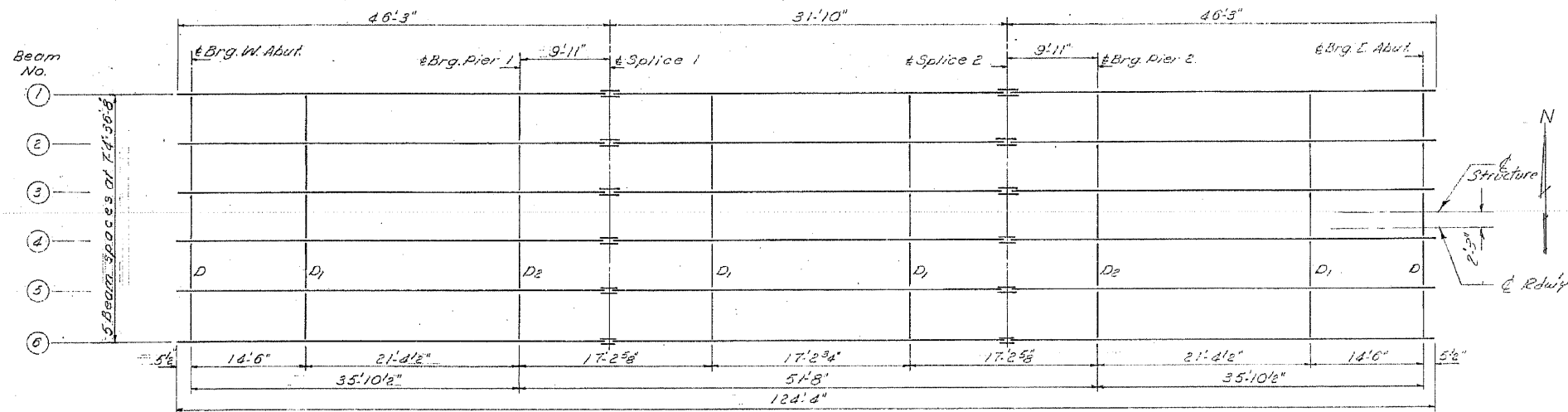
Bar	No.	Size	Length	Shape	
b2	18	#5	6'-3"		
b3	16	#5	5'-9"		
b7	32	#5	14'-9"		
b8	16	#5	19'-6"		
Class X Concrete				Cu. Yds.	12.7
Reinforcement Bars				Lbs	1020
Aluminum Handrail				Lin. Ft.	250

ALUMINUM HANDRAIL  
FA 6 (S.B.I. RT. 5) SEC. 45  
JO DAVIESS COUNTY  
STATION 403+45W

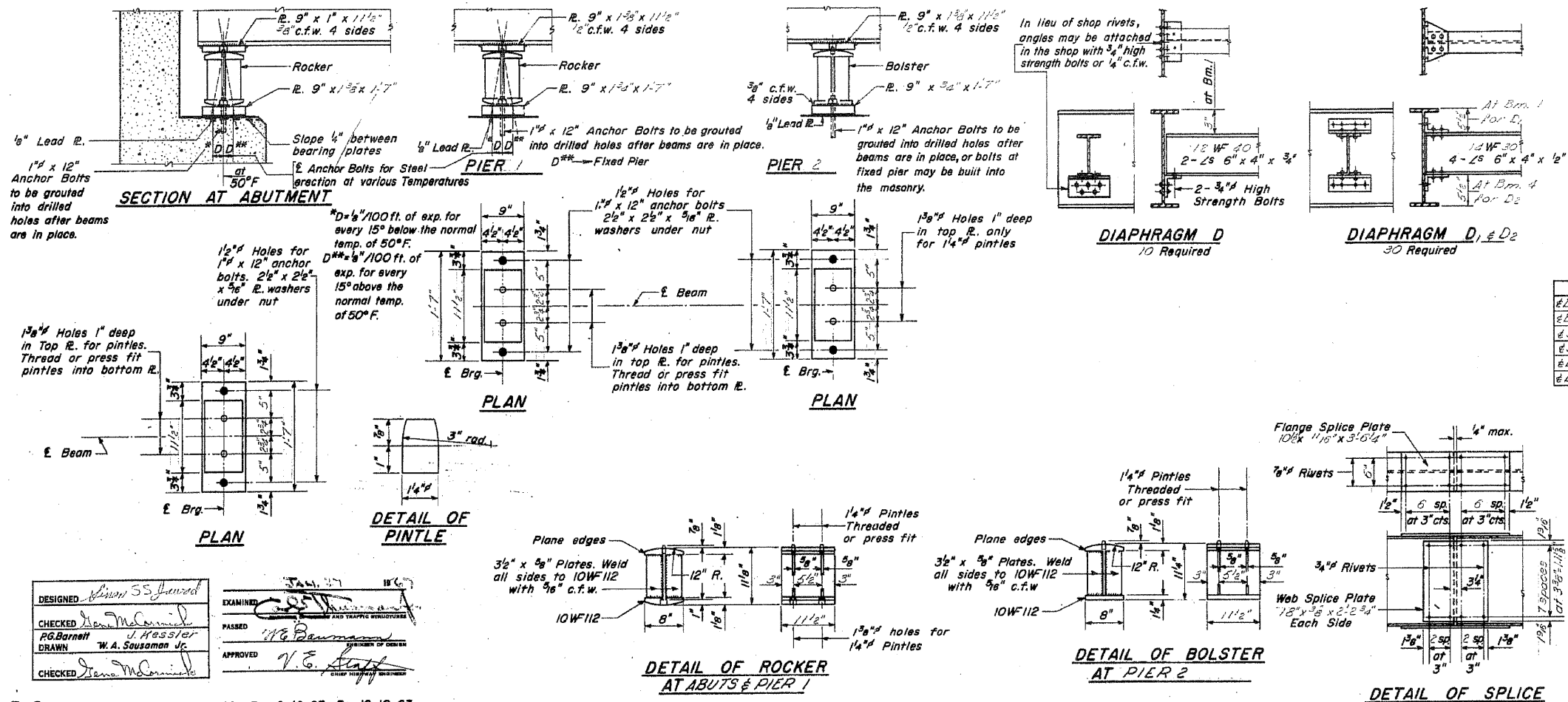
R-17 11-18-66

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 5
6	43B, 44, 45	JO DAVIESS	376	60	10 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			



**BEAM LAYOUT**  
All Beams are 30WF 108



**TABLE OF MOMENTS & REACTIONS (Interior Beams Only)**

	Moments (kip-ft)		Reactions (kip)	
	Span 1	Span 2	Abut. 1	Abut. 2
D.L.	83.8	212.2	132.1	13.7
L.L.	205.0	184.0	251.8	33.0
Imp.	61.6	52.5	70.5	10.1
Total	350.4	448.7	454.4	56.8

**ELEVATION TOP OF WF**  
For Fabrication only

	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6
Abut. W. Abut.	839.53	839.74	839.50	839.93	839.81	839.68
Abut. Pier 1	839.40	839.50	839.68	839.75	839.83	839.50
Splice 1	839.35	839.51	839.63	839.70	839.58	839.45
Splice 2	839.19	839.35	839.47	839.54	839.42	839.29
Abut. Pier 2	839.14	839.30	839.42	839.49	839.37	839.24
Abut. E. Abut.	838.96	839.12	839.24	839.31	839.19	839.06

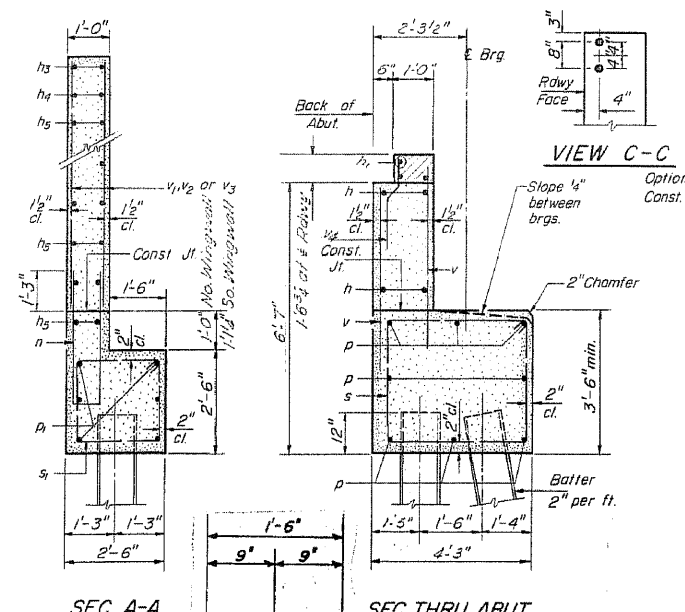
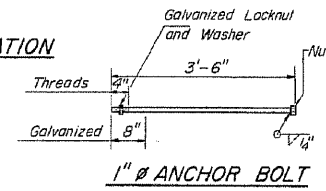
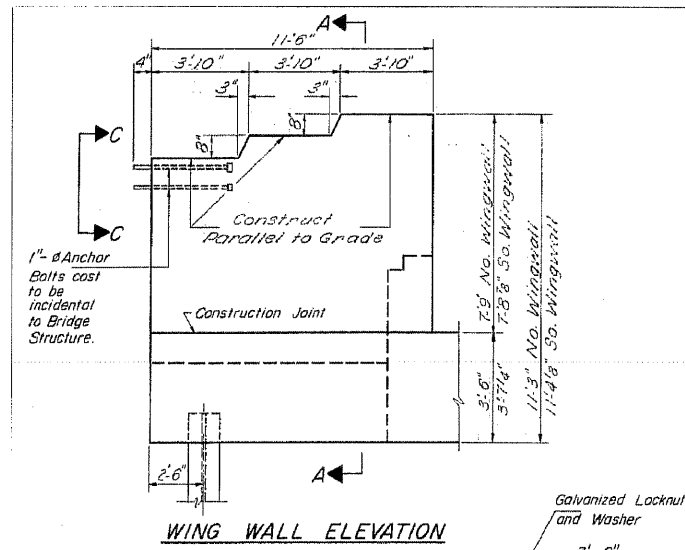
DESIGNED: *Alan S. J. J.*  
CHECKED: *Alan S. J. J.*  
DRAWN: *W. A. Sausman Jr.*  
APPROVED: *V. E. Staff*

I-2 7-2-62 Rev. 11-9-62 Rev. 8-16-63 Rev. 12-10-63

STRUCTURAL STEEL  
FA 6 (S.B.I. RT 5) SEC. 45  
JO DAVIESS COUNTY  
STATION 403+45W

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEETS
6	44HB 44, 45	JODAVIESS	376	61	10

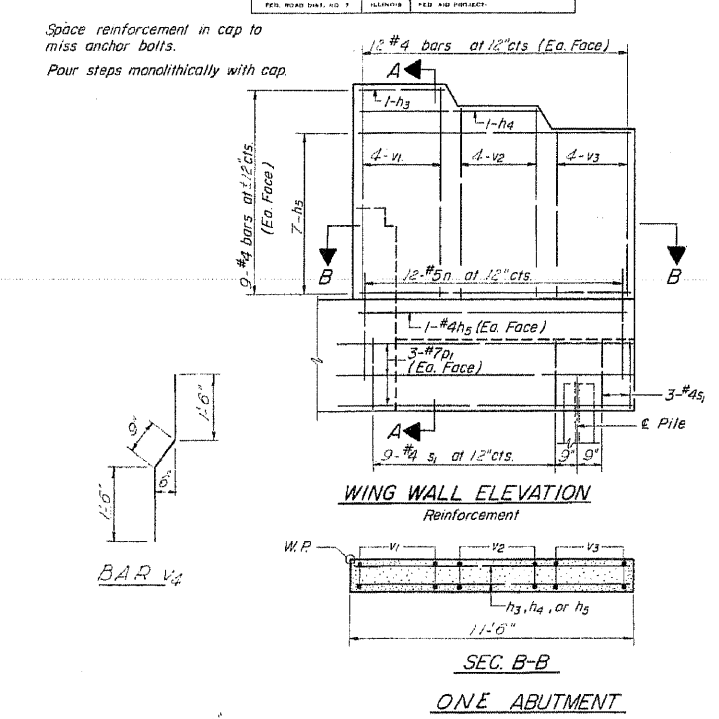
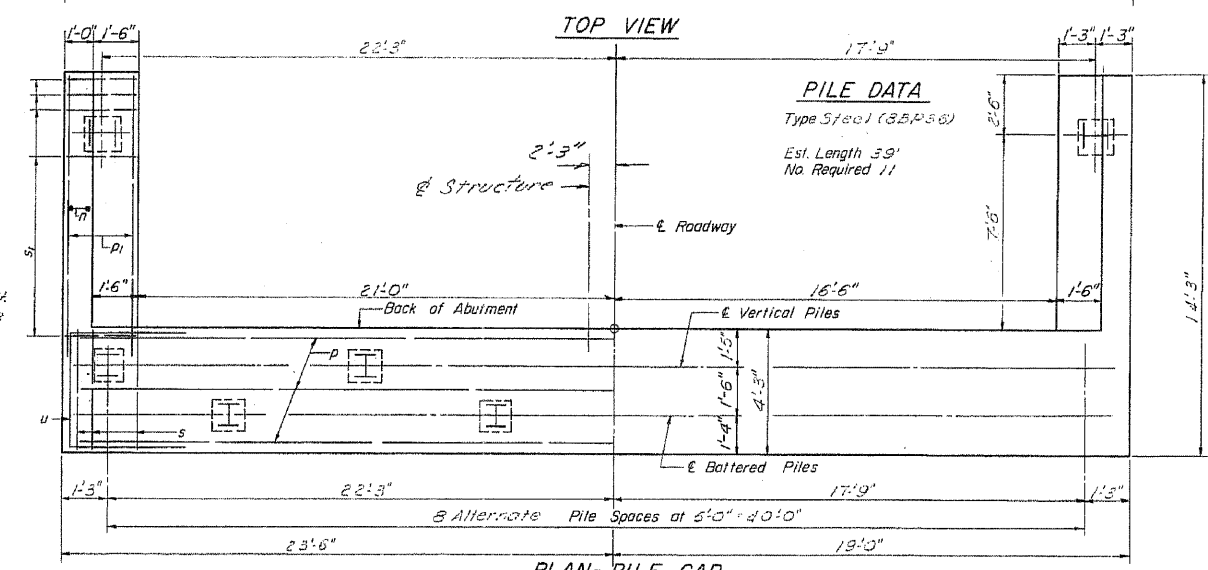
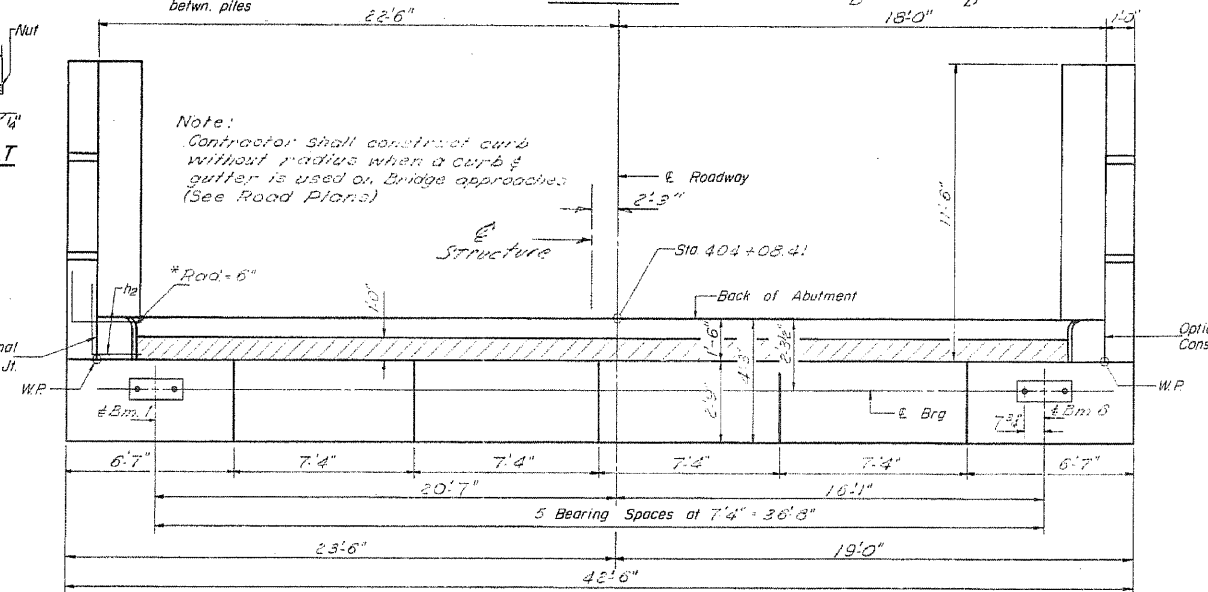
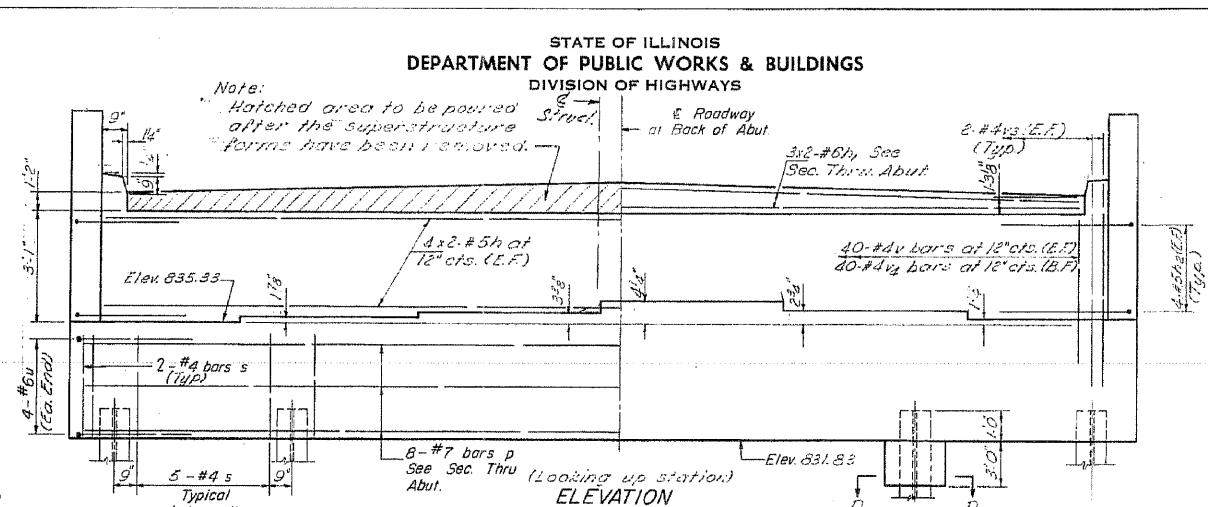


FORMS FOR ENCASUREMENT MAY BE OMITTED WHEN SOIL CONDITIONS WILL PERMIT.

Use Large Welded Wire Fabric 6" x 6" mesh weighing 58 Lb Per 100 Sq. Ft. Cost of C.I. Done. Encasement to be incidental to the cost of furnishing the piles.

DESIGNED *Wm S. J. J.*  
CHECKED *Wm S. J. J.*  
DRAWN *J. Kessler*  
CHECKED *Wm S. J. J.*

EXAMINED *Carl Thumma*  
PASSED *W. E. Baumann*  
APPROVED *V. E. Staff*



ONE ABUTMENT BILL OF MATERIAL

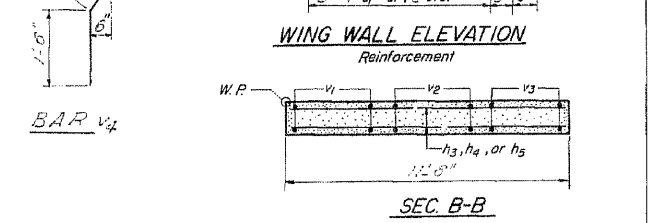
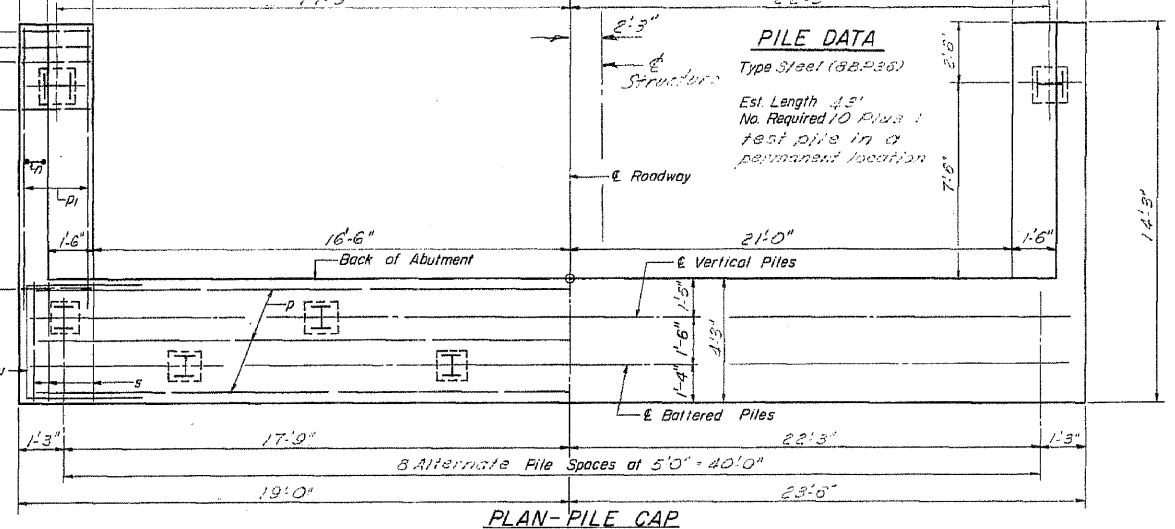
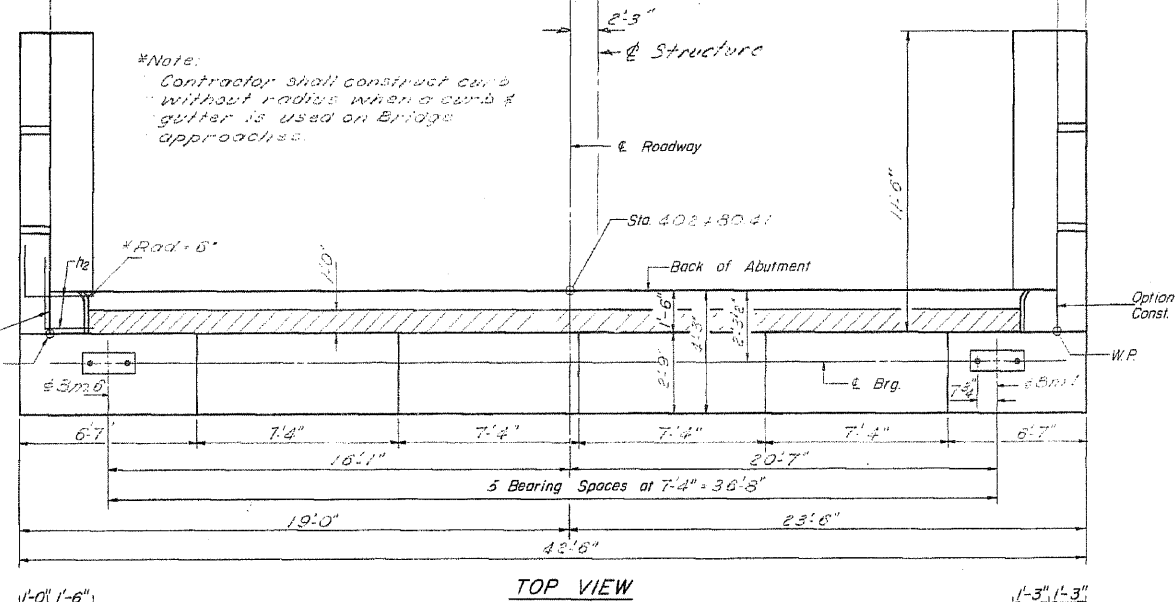
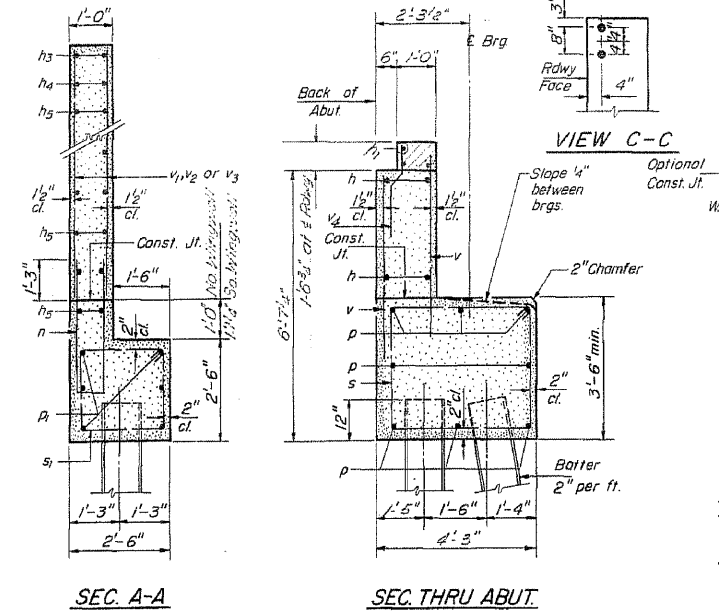
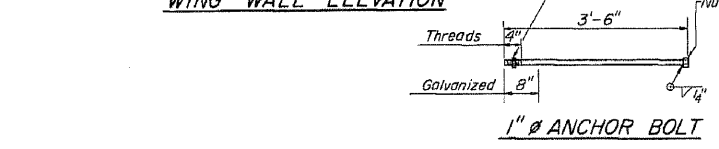
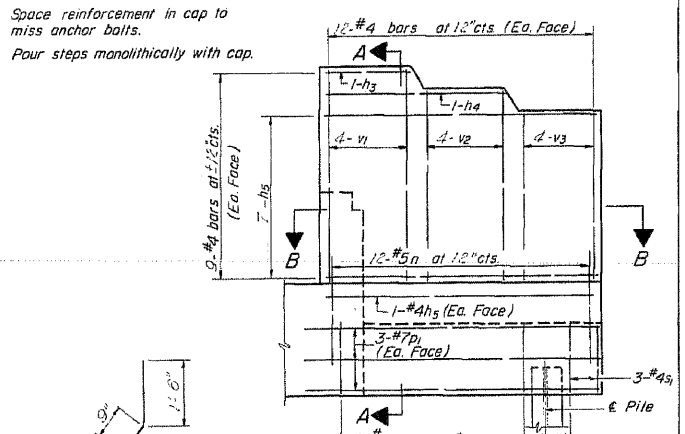
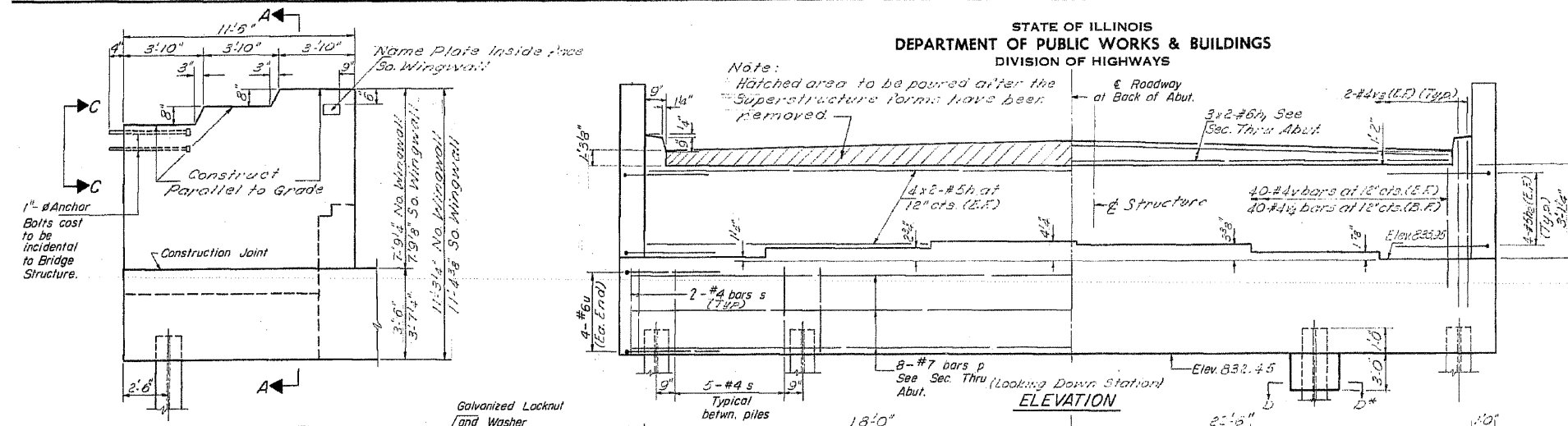
Bar	No.	Size	Length	Shape
h1	16	#5	20'-9"	
h1	6	#6	20'-0"	
h2	16	#5	5'-0"	
h3	4	#4	3'-7"	
h4	4	#4	7'-5"	
h5	32	#4	11'-3"	
n	24	#5	7'-9"	
p	12	#7	22'-0"	
p1	12	#7	11'-3"	
s	44	#4	12'-11"	
s1	24	#4	9'-5"	
u	8	#6	10'-0"	
v	30	#4	5'-9"	
v1	16	#4	7'-6"	
v2	16	#4	6'-10"	
v3	24	#4	6'-5"	
v4	40	#4	3'-9"	
Class X Concrete				Cu. Yds. 42.8
Reinforcement Bars				Lbs 3440
Steel Piles (S.B.P.36)				Lin. Ft. 429

EAST ABUTMENT  
FA-6 (S.B.I. RT. 5) SEC. 45  
JO DAVIESS COUNTY  
STATION 403+45W



STATE OF ILLINOIS  
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
 DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6	44HB, 44B, 44A	JO DAVIESS	376	62
FED. ROAD DIST. NO. 7	MINOR	FED. AID PROJECT		10 SHEETS



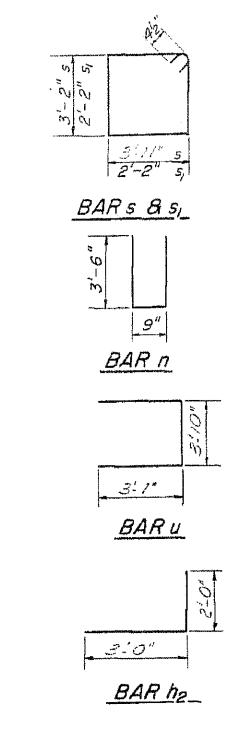
SEC. B-B

ONE ABUTMENT

BILL OF MATERIAL

Bar No.	Size	Length	Shape
h	#5	20'-9"	—
h1	#5	20'-0"	—
h2	#5	5'-0"	—
h3	#4	3'-7"	—
h4	#4	7'-5"	—
h5	#4	17'-3"	—
n	#5	7'-9"	U
p	#7	23'-0"	—
pl	#7	11'-5"	—
s	#2	1'-11"	□
s1	#4	9'-5"	□
u	#6	10'-0"	□
v	#4	5'-0"	—
v1	#4	7'-6"	—
v2	#4	6'-10"	—
v3	#4	6'-8"	—
v4	#4	3'-3"	—

Class X Concrete	Cu. Yds.	43.0
Reinforcement Bars	Lbs.	2440
Steel Piles (S&P36)	Lin. Ft.	430
Test Piles (S&P36)	Ea.	1
Name Plates	Ea.	1



DESIGNED: [Signature]  
 CHECKED: [Signature]  
 DRAWN: J. Keister  
 CHECKED: [Signature]

EXAMINED: [Signature]  
 PASSED: [Signature]  
 APPROVED: [Signature]

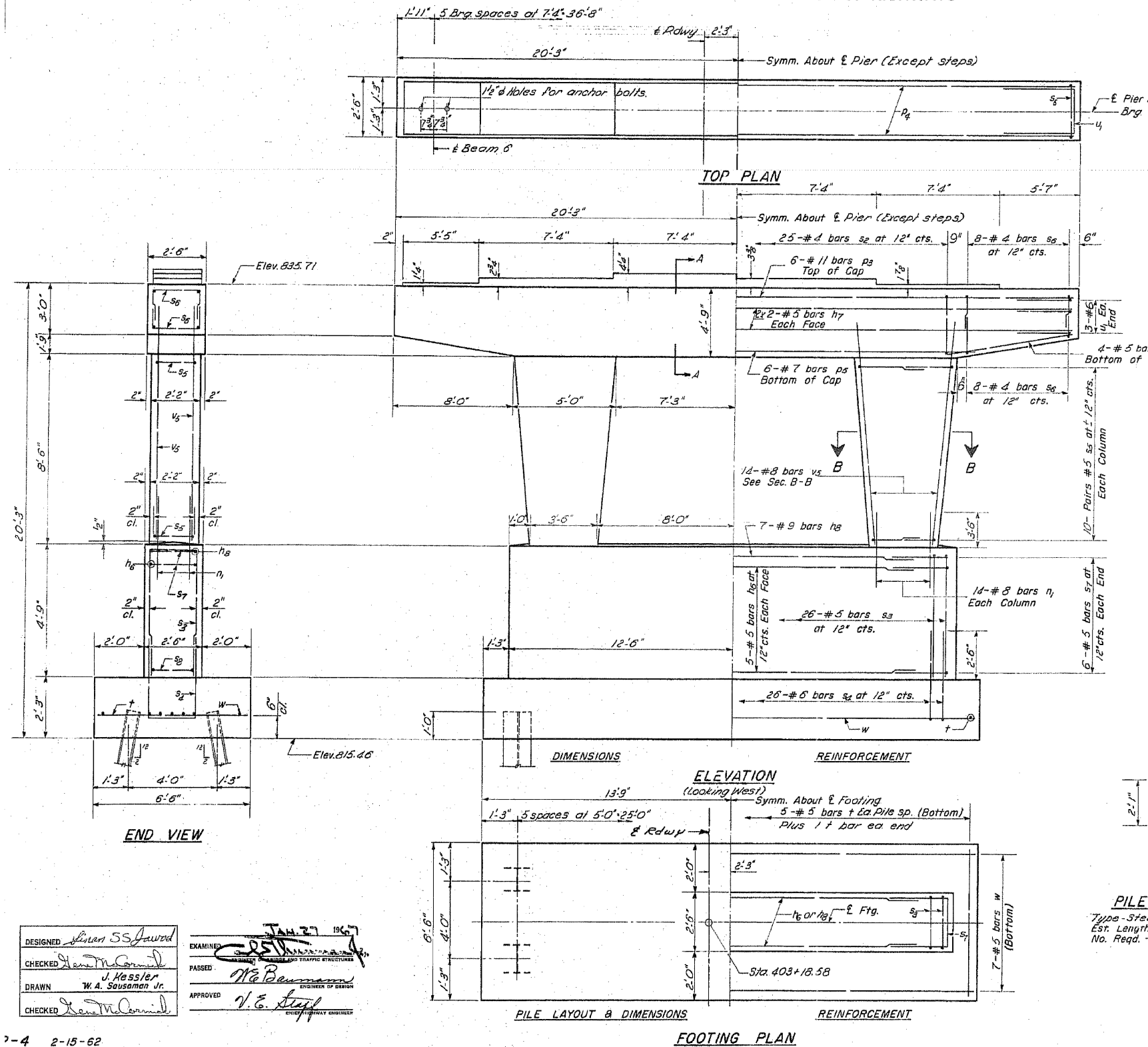
JAN 27 1967

A-9 2-1-66

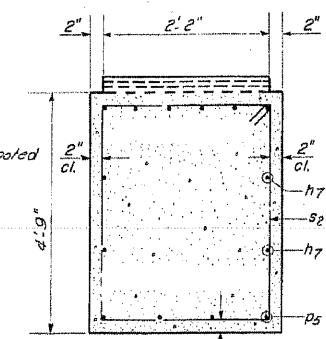
WEST ABUTMENT  
 FA 6 (S.B.I. RT 5) SEC. 45  
 JO DAVIESS COUNTY  
 STATION 403+45W

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

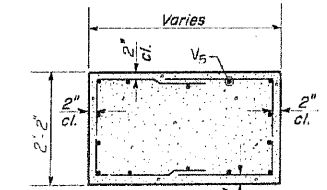
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
44HB	44A45	JO DAVIESS	376	63
SHEET NO. 8				
10 SHEETS				



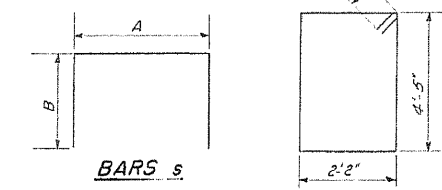
Note:  
Space reinforcement in cap to miss anchor bolts.  
Min. bar laps = 20 dia. unless otherwise noted  
All edges shall have standard 3/4" Chamfers, except as noted  
Pour steps monolithically with cap



SECTION A-A



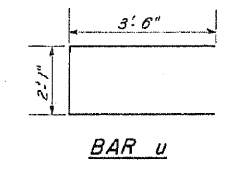
SECTION B-B



A & B DIMENSIONS

Bar	A	B
s2	2'-2"	4'-5"
s3	2'-2"	4'-3"
s4	1'-0"	3'-1"
s5	2'-2"	2'-9"
s6	2'-2"	1'-3"
s7		

BAR s:



BAR u

PILE DATA  
Type - Steel (BB36)  
Est. Length - 25'  
No. Req. - 12

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n1	28	#8	7'-0"	—
n2	28	#8	11'-3"	—
p3	6	#11	40'-9"	—
p4	6	#5	8'-0"	—
p5	6	#7	24'-6"	—
s2	25	#4	13'-11"	□
s3	26	#5	11'-0"	□
s4	26	#6	10'-8"	□
s5	40	#5	8'-0"	□
s6	32	#4	7'-8"	□
s7	12	#5	4'-8"	□
t	27	#5	6'-3"	—
u1	6	#6	9'-1"	□
v5	28	#8	11'-3"	—
w	7	#5	27'-3"	—

Class X Concrete	Cu. Yds.	48.9
Reinforcement Bars	Lbs.	6000
Steel Piles (BB36)	Lin. Ft.	300

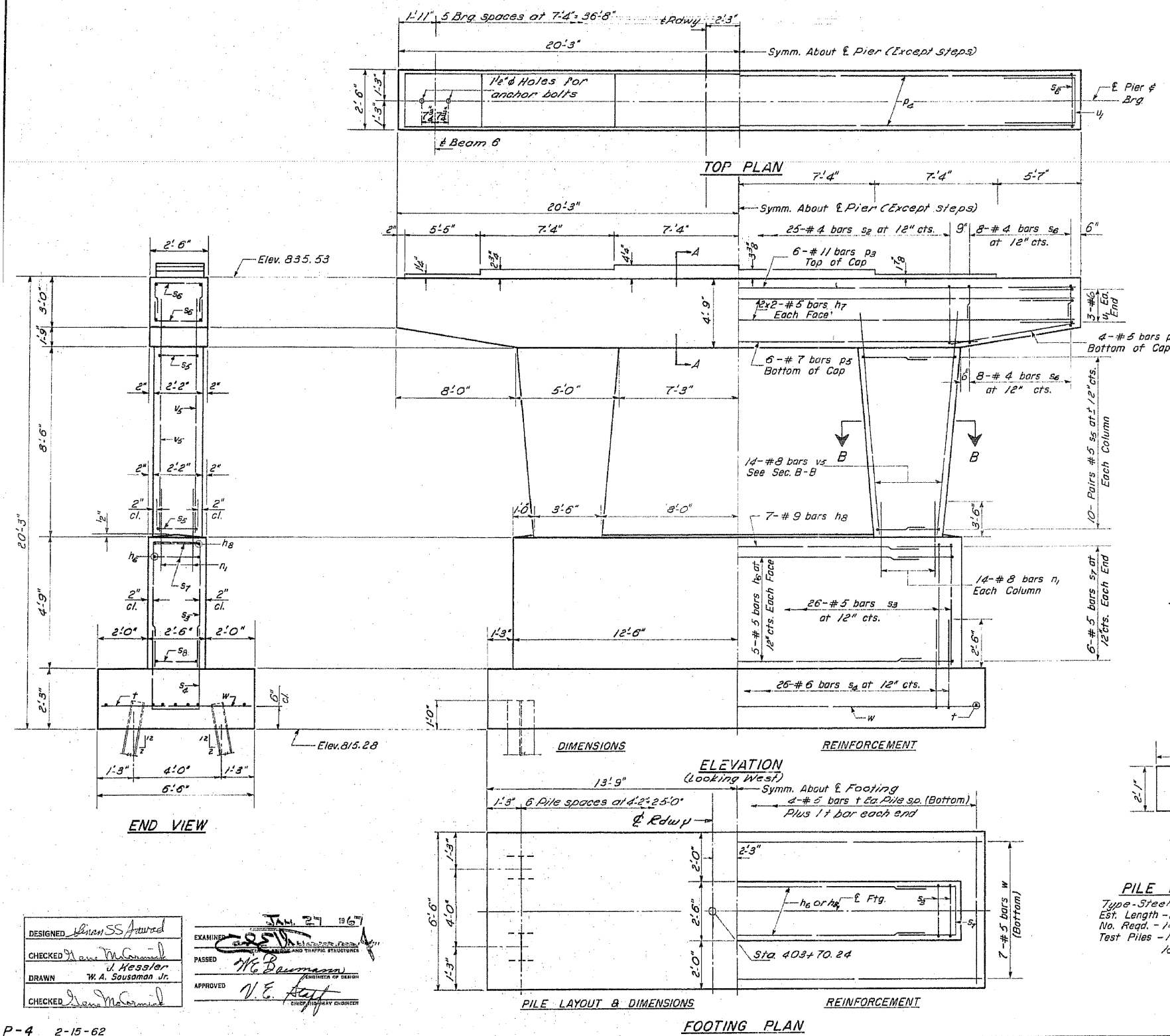
PIER 1  
FA 6 (S.B.I. RT 5) SEC. 45  
JO DAVIESS COUNTY  
STATION 403+45W

DESIGNED: *Leon S. Jaworski*  
CHECKED: *Leon S. Jaworski*  
DRAWN: *J. Hessler, W. A. Sausaman Jr.*  
EXAMINED: *W. E. Baumann*  
APPROVED: *V. E. Seif*

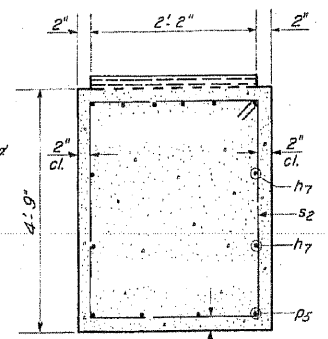
7-4 2-15-62

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

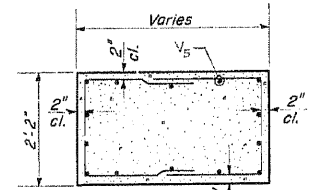
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	44HB, 44AB	JO DAVIESS	376	64
SHEET NO. 9 10 SHEETS				



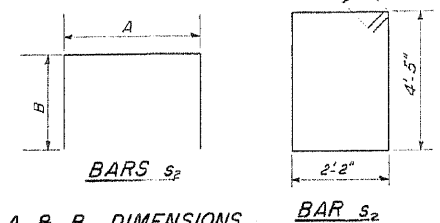
Note:  
Space reinforcement in cap to miss anchor bolts.  
Min. bar laps = 20dia unless otherwise noted.  
All edges shall have standard 3/4" Chamfers, except as noted.  
Pour steps monolithically with cap.



SECTION A-A



SECTION B-B

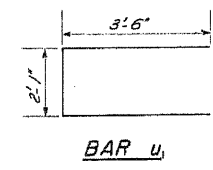


A & B DIMENSIONS

Bar	A	B
s2	2'-2"	4'-5"
s3	2'-2"	4'-3"
s4	1'-10"	3'-1"
s5	2'-2"	2'-9"
s6	2'-2"	1'-3"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h6	10	#5	24'-9"	
h7	8	#5	20'-9"	
h8	7	#9	24'-9"	
n1	28	#8	7'-0"	
p2	6	#11	40'-3"	
p3	8	#5	8'-0"	
p4	6	#7	24'-6"	
s2	25	#4	13'-11"	
s3	28	#5	11'-0"	
s4	26	#6	10'-8"	
s5	40	#5	8'-0"	
s6	32	#4	7'-8"	
s7	12	#5	4'-8"	
t	26	#5	6'-3"	
u1	6	#6	9'-1"	
v5	28	#8	11'-3"	
w	7	#5	27'-3"	
Class X Concrete				Cu. Yds. 48.9
Reinforcement Bars				Lbs. 5990
Steel Piles (BBP36)				Lin. Ft. 312
Test Piles Steel (BBB36)				Ea. 1



BAR u1

PILE DATA  
Type - Steel (BBP36)  
Est. Length - 24  
No. Req'd. - 14 (Including 1 test pile)  
Test Piles - 1 in a permanent location.

PIER 2  
PA 6 (S.B.I. RT. 5) SEC. 45  
JO DAVIESS COUNTY  
STATION 403+45W

DESIGNED: Brian S. Award  
CHECKED: Dan McDaniel  
DRAWN: W. A. Sausaman Jr.  
EXAMINED: [Signature]  
PASSED: [Signature]  
APPROVED: V. E. Hoff

P-4 2-15-62

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6	44HB, 44A5	JO DAVIESS	376	65
ILLINOIS		FED. AID PROJECT		

SHEET NO. 10  
10 SHEETS

Boring No.	Station	Offset	Elevation	N	Qu %	w %	Surface Water El.	Hole filled with wash	Groundwater El. at Completion	After Hours	Elevation	N	Qu %	w %
1	403+44.5	2' L.A.	822.0	0										

Boring No.	Station	Offset	Elevation	N	Qu %	w %	Surface Water El.	Hole filled with wash	Groundwater El. at Completion	After Hours	Elevation	N	Qu %	w %
2	403+45	12' R.L.	821.0	0										

*N* - Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30"  
*QU* - Unconfined Compressive Strength - 1/2" of  
*w* - Water Content - percentage of oven dry weight - %  
*B* - Bulge Failure  
*S* - Shear Failure  
*E* - Estimated Value

DESIGNED	<i>Kevin S. Jamel</i>	EXAMINED	<i>[Signature]</i>
CHECKED	<i>Hans McConrill</i>	PASSED	<i>W. E. Benjamin</i>
DRAWN	<i>J. Kessler</i>	APPROVED	<i>[Signature]</i>
CHECKED	<i>Hans McConrill</i>	CHIEF ENGINEER	

JAN 27 1967

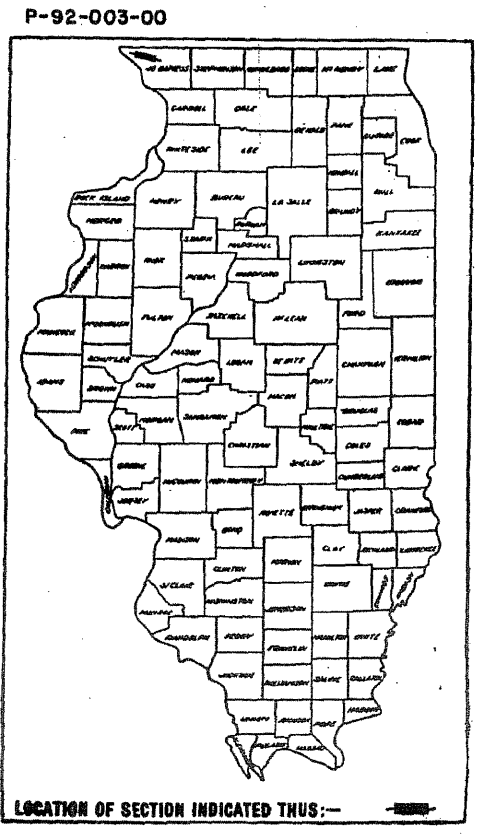
BORING DATA  
 FA-G (S.B.I. RT. 5) SEC. 45  
 JO DAVIESS COUNTY  
 STATION 403+45W

USER NAME = dheberling	DESIGNED - BRD	REVISED -	 7018 KINGSMILL CT., SPRINGFIELD, IL (217) 483-9457 DESIGN FIRM #184001036	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PLANS STRUCTURE NO. 043-0008	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = 0430008-64C94Existing	CHECKED - CWC/SDS	REVISED -				301	(43B, 44B, 44HB, 45BD)	JO DAVIESS	309	220
PLOT DATE = 12/6/2011	DRAWN - DLH	REVISED -								CONTRACT NO. 64C94
PLOT TIME = 10:15:55 AM	CHECKED - BRD	REVISED -			SHEET NO. 11 OF 11 SHEETS					ILLINOIS FED. AID PROJECT

*Review for  
Letting 4/7/65*

**STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS  
DIVISION OF HIGHWAYS  
PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**

A-B12		TOTAL SHEETS		SHEET NO.	
ROUTE NO.	SEC.	COUNTY	166	1	
SBI 5	45A&B	JO DAVIESS	166	1	
ILLINOIS PROJECT F-240(6)					



SEE SHEET NO. 2 FOR INDEX OF SHEETS

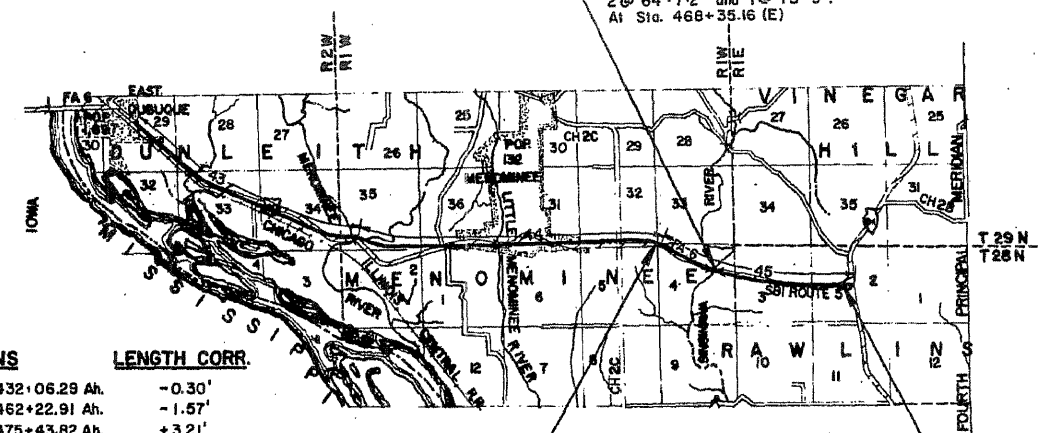
**GRADING SECTION  
SBI ROUTE 5 SEC. 45 A & B  
(FA ROUTE 6) PROJ. F-240(6)  
JO DAVIESS COUNTY**

SCALES: PLAN 1 INCH = 100 FT.  
PROFILE HOR. 1 INCH = 100 FT.  
PROFILE VERT. 1 INCH = 10 FT.  
CROSS-SECTIONS 1 INCH = 8 FT.

SN 043-0007

C-92-023-65

SECTION 45 A & B INCLUDES  
One (1) 3-Span Continuous WF Beam Bridge  
on Cantilevered Concrete Piers and Open  
Abutments on Steel Piles. Spans Each  
2 @ 64'-7 1/2" and 1 @ 75'-9".  
At Sta. 468+35.16 (E)



EQUATIONS	LENGTH CORR.
432+05.99 Bk. = 432+06.29 Ah.	-0.30'
462+21.34 Bk. = 462+22.91 Ah.	-1.57'
475+47.03 Bk. = 475+43.82 Ah.	+3.21'
521+90.83 Bk. = 521+90.05 Ah.	+0.78'
Total	+2.12'

LAYOUT SCALE 1" = 1 MILE

PROJECT F-240(6)  
PROPOSED IMPROVEMENT  
BEGINS STA. 429+00 (E)

PROJECT F-240(6)  
PROPOSED IMPROVEMENT  
ENDS STA. 563+00 (E)

NET LENGTH OF PROJECT = 209.32 LIN. FT. = 0.040 MILE (STRUCTURE)  
(13,192.80 LIN. FT. = 2.498 MILES) (GRADING)

NET LENGTH OF IMPROVEMENT = 13,402.12 FEET = 2.538 MILES

ROAD CLASSIFICATION  
10U-T-60

STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS AND BUILDINGS DIVISION OF HIGHWAYS	
DESIGNED	APRIL 2, 1965
EXAMINED	APRIL 14, 1965
APPROVED	APRIL 14, 1965

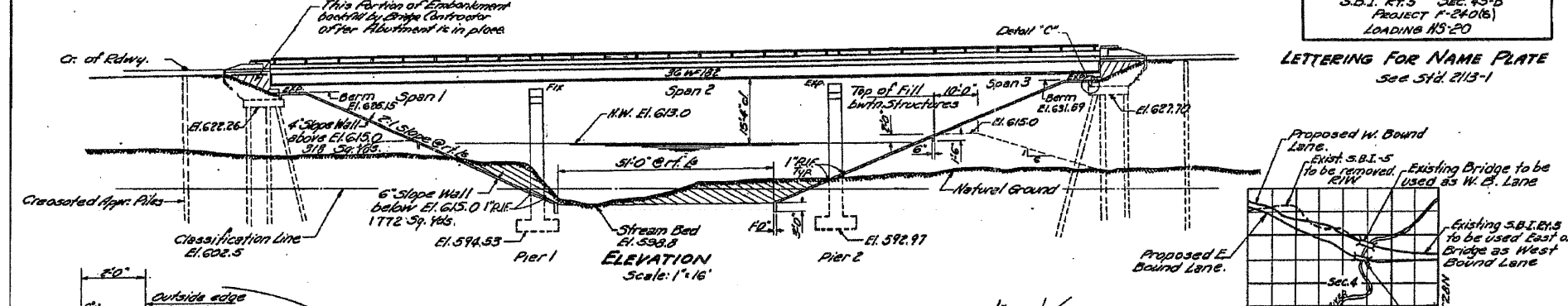
DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS	
APPROVED	DATE
DIVISION ENGINEER	

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

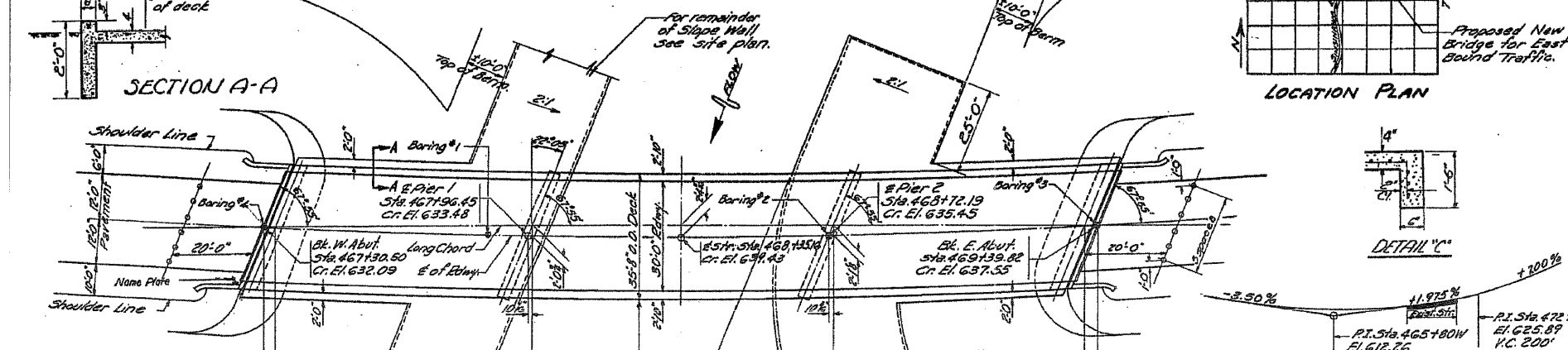
STATION 468135  
BUILT 19. BY  
STATE OF ILLINOIS  
S.B.I. RT. 5 SEC. 45-B  
PROJECT F-240(6)  
LOADING NS-20

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8/1/5	45A/B	JO DAVIESS	166	21
PROJECT: F-240(6)			SHEETS: 17	

B.M. 10 on S.W. corner of W. Abutment of existing bridge  
Elev. 619.07  
Existing Bridge: 4 Span P.C.D.G. on Concrete  
Substructure, Rebuilt in 1955 as Sec. 30 BK  
to remain in place on West Bound Lane.



**GENERAL NOTES**  
Class X concrete shall be used throughout.  
Coarse aggregate to be used in parapet handrails & end posts must be absolutely free of chert, flint, limonite, lignite & soft sandstone.  
The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.  
Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, #4 wire, weighing 20# per 100 sq. ft.  
Layout of slope walls may be varied to suit ground conditions in the field, as directed by the Engineer.  
Piles 3/4" x 6" open holes 1/2" x 6" unless noted.  
All Structural Steel shall conform to ASTM Specifications A-36.



All bolsters, rockers, bearing plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in quantity of Structural Steel.  
Anchor bolts shall be set before riveting diaphragms over supports.

Expansion guards shall be fabricated and erected in accordance with Article 51.13 (d) of the standard Specifications.

Expansion guards are included in quantity of Structural Steel, Est. Weight 1820 Lbs.  
The following surfaces of expansion guards shall be given two shop coats of red lead paint, outside face of vertical legs and top face of horizontal legs of 4"x4"x1/2".  
Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 56.1 to 56.5 inclusive of the Standard Specifications.

The contractor shall drive two test piles in permanent location as directed by the Engineer before ordering remainder of piles. One each, test pile at East Abutment and West Abutment.

Bridge Seal Sealant shall be used at Abutments only.  
Permanent forms will not be permitted in forming the Concrete Floor.

Excavation for portions of structures in the embankments shall not be classified.

**HORIZ. CURVE DATA**

A = 26° 21'
D = 2° 30'
R = 2792.01
T = 536.53
L = 1054.00
E = 60.33
Max. S.E. = 0.045 1/4%
Full S.E. on full length of Bridge.

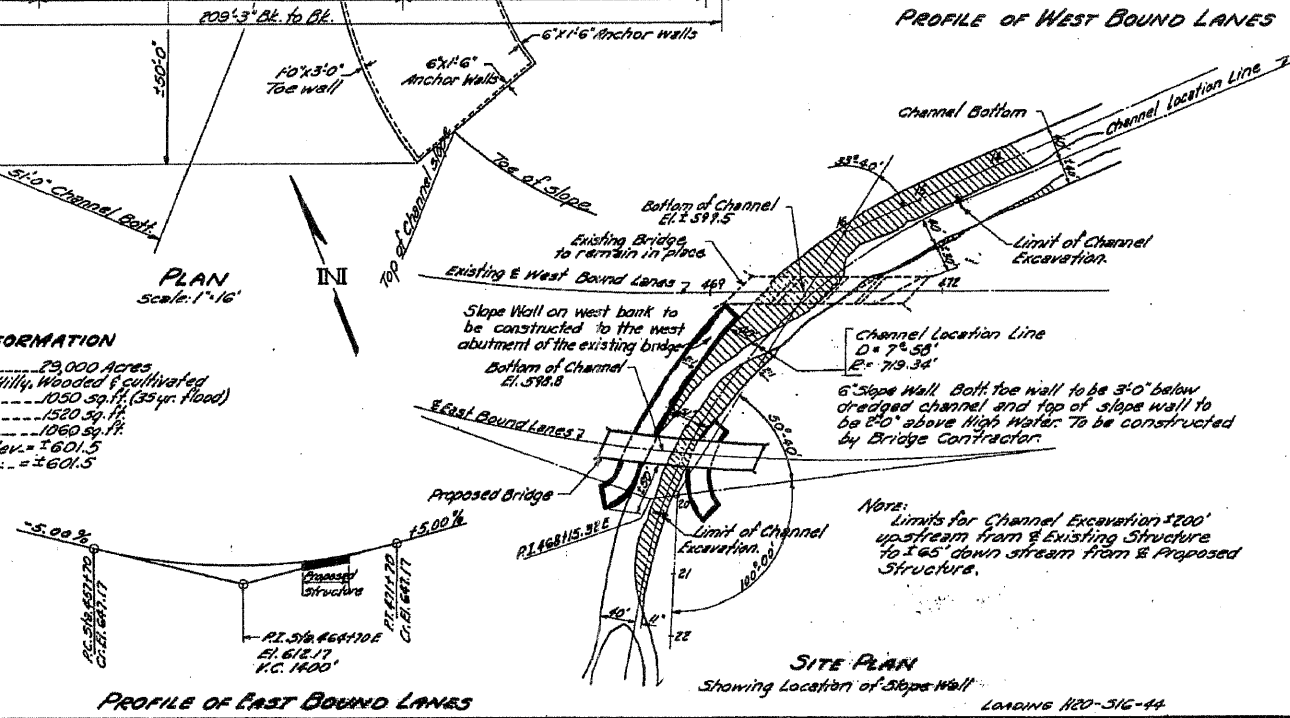
**DESIGN STRESSES**  
f<sub>c</sub> = 4000 psi. (Super.)  
f<sub>c</sub> = 75 psi. (Pier Figs.)  
f<sub>s</sub> = 20,000 psi. (Reinft.)  
f<sub>s</sub> = 20,000 psi. (Structure)  
Max. Working Pressure = 2.8 1/2"  
Average Working Pressure = 1.5 1/2"  
W = 10

**APPROACH PILE DATA**  
Crossed Timber Piles  
Length = 25'-0"  
No. Reqd. = 12

**WATERWAY INFORMATION**  
Drainage Area = 29,000 Acres  
Character = Milly, Wooded & cultivated  
Key'd Opening = 1050 sq. ft. (34yr. Flood)  
Present Opening = 1520 sq. ft.  
Proposed Opening = 1060 sq. ft.  
Ordinary Water Elev. = ± 601.5  
Low Water Elev. = ± 601.5

DESIGNED	H. A. Smith
CHECKED	Coakley
DRAWN	E. Rust
CHECKED	Coakley

EXAMINED	Aug 25 1961	H. B. Bannerman
PASSED		C. Bennett
APPROVED		R. B. Bannerman

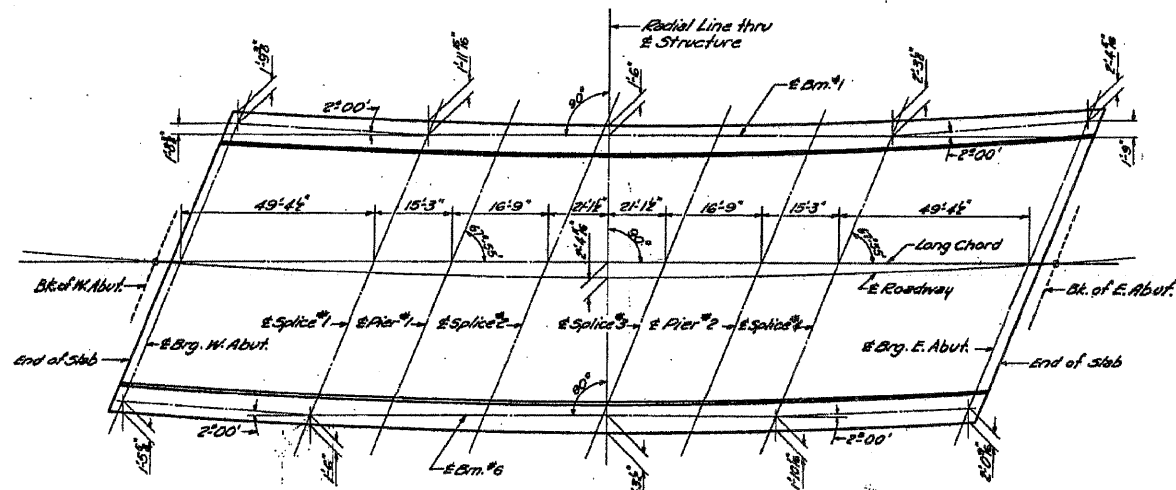


**SEC. 45-B**  
**TOTAL BILL OF MATERIAL**

Item	Unit	Superstr.	Substr.	Total
Class X Concrete	Cu. Yds.	2272	334.0	2606
Reinforcement Bars	Lbs.	58210	21,110	79,320
Structural Steel	Lbs.	273,620		273,620
Class B Excav. for Str.	Cu. Yds.		430	430
Aluminum Handrail	Lb. Ft.	412		412
Slope Wall - 4'	Sq. Yds.		318	318
Name Plates	Each	1		1
Crossed Piles	Lb. Ft.		300	300
Steel Piles (6 0P36)	Lb. Ft.		770	770
Steel Test Piles (8 0P36)	Each		2	2
Slope Wall 6'	Sq. Yds.		1772	1772
Bridge Seal Sealant	Lump Sums		1	1
Protective Coat	Sq. Yds.	930		930

\* Includes excavation for slope wall

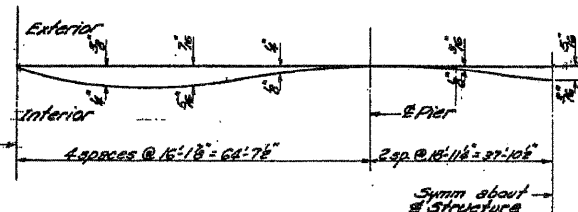
GENERAL PLAN & ELEVATION  
SINSINAWA RIVER  
PROJECT F-240 (6)  
S.B.I. RT. 5 SEC. 45-B  
JO DAVIESS COUNTY  
STA. 468135



**PLAN**  
Showing Clearance between Exterior Beams & outside of superstructure.

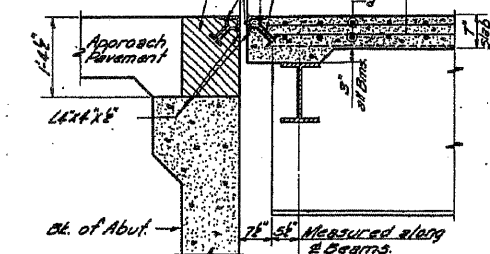
**METHOD OF DETERMINING FILLET HEIGHT 'f'**

After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at the stations shown on Sheet 10. These elevations subtracted from the 'Theoretical Grade Elevations Adjusted for Dead Load Deflection' shown on Sheet 10, minus floor thickness equals the fillet height above top of beams.

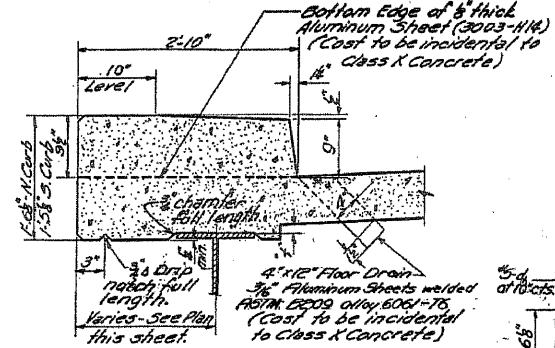


**DEAD LOAD DEFLECTION DIAGRAM**  
Due to weight of concrete only.

3/8" holes at 12" cts. for 3/8" bolts. All bolts shall be burned, sawed, or clipped off flush with back of angles after forms are removed.  
Shaded area to be poured after superstructure tube work has been removed. Quantity of Class K concrete included with superstr.

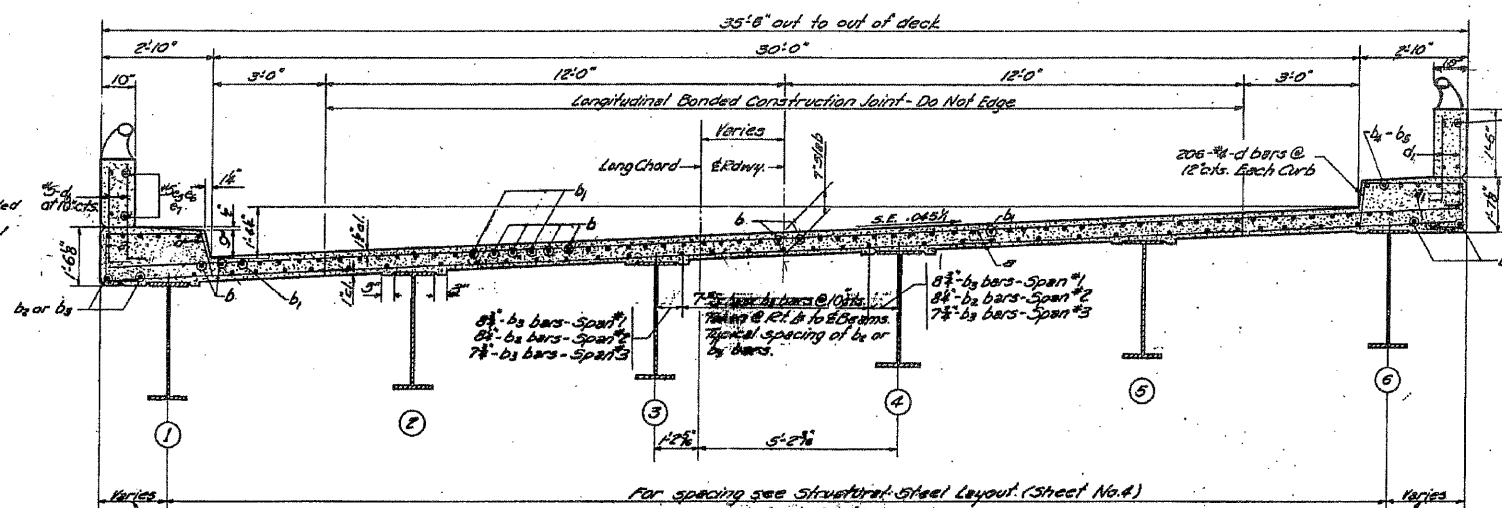


**SECTION A-A**



**CURB DETAIL**

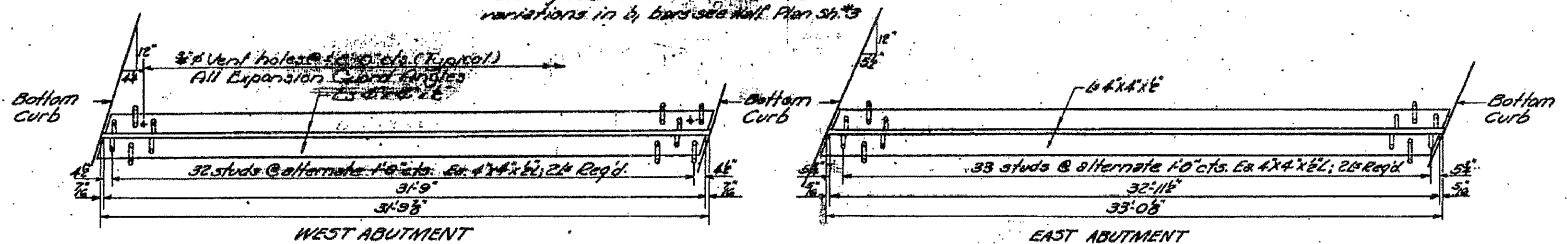
Note: see sheet #3 for Top of Drain Detail



**CROSS SECTION**  
Looking East between Piers. For variations in b<sub>1</sub> bars see Note Plan 34.3

\*Not for use in the field if the Engineer is working from the Grade Elevation Adjusted for Dead Load Deflection.

Note: Details of Parapet Reinforcement See Sheet 16.0



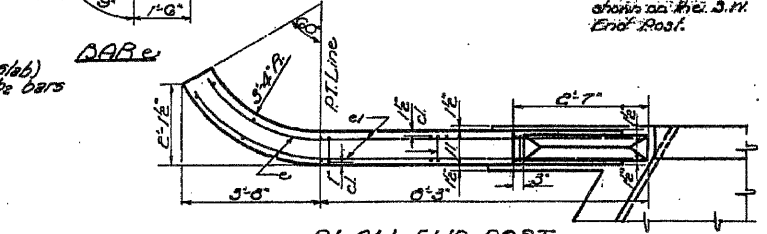
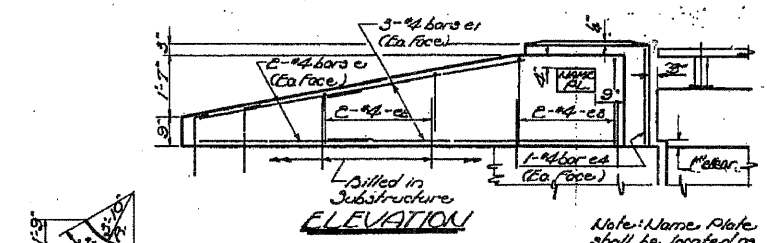
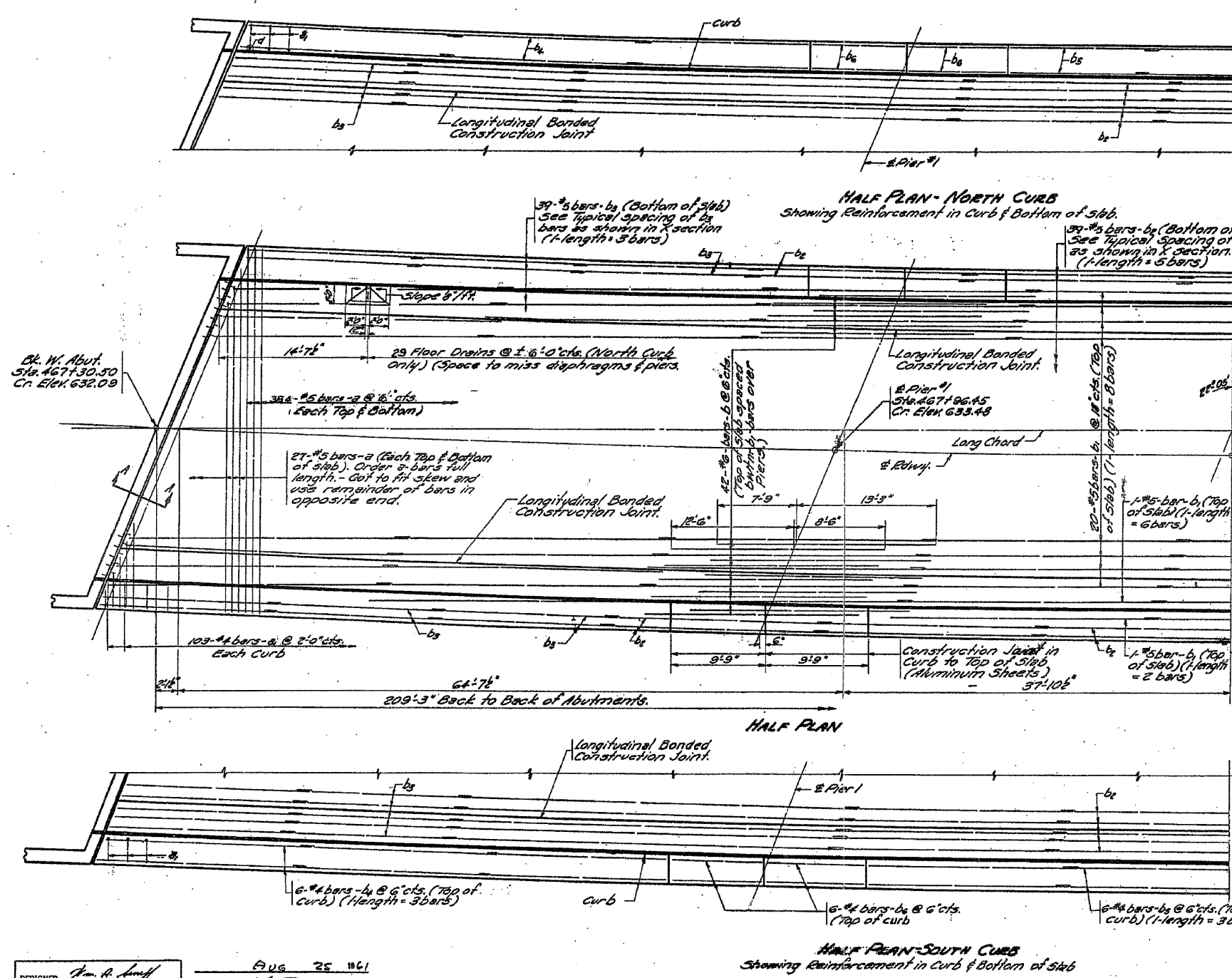
**EXPANSION GUARD DETAILS**  
Note: Skew is shown incorrectly for Expansion Guards, should be opposite hand.

**SLAB DETAILS**  
SINSINAWA RIVER  
S.B.I. RT. 5 SEC. 45.13  
JO DAVIESS COUNTY  
STA. 468+35

DESIGNED	W.A.S.	EXAMINED	H.E. BARNES
CHECKED	C.W.C./S.D.S.	PASSED	J. JONES
DRAWN	E. RUSH	APPROVED	H. BARNES
CHECKED	C.W.C./S.D.S.		

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	POST MILE	SHEET NO.
45A+B	JO DAVIESS	166	23	17 SHEETS
JOB NO. 043-0007				



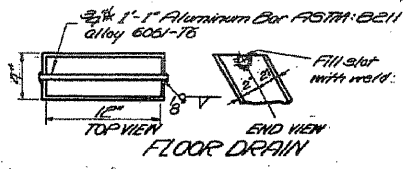
**4 END POSTS BAR LIST**

Bar No.	Size	Length	Shape
e1	#4	5'-5"	U
e2	#4	7'-3"	U
e3	#4	3'-4"	U
e4	#4	5'-0"	U

**BILL OF MATERIAL**

Bar No.	Size	Length	Shape
a	#22	#5	35'-3"
b	#206	#4	5'-3"
c	#4	#6	2'-0"
d	#8	#5	27'-0"
e	#195	#5	22'-3"
f	#234	#5	17'-6"
g	#72	#4	19'-9"
h	#36	#4	10'-3"
i	#8	#4	9'-6"
j	#12	#4	1'-3"

Class A Concrete Cu. lbs. 2272  
Reinforcement Bars Lbs. 49410  
Structural Steel Lbs. 215,620  
Name Plates Each 1



**NOTES:**  
Min. lap shall be 20 diameters noted. See sheet No. 2 for Cross Section, Curb Detail, Section A-A, Method of Determining Fillet Height, Dead Load Deflection Diagram and clearance between & outside beams and edge of superstructure.  
Band bars in field to miss longitudinal bonded construction joint.

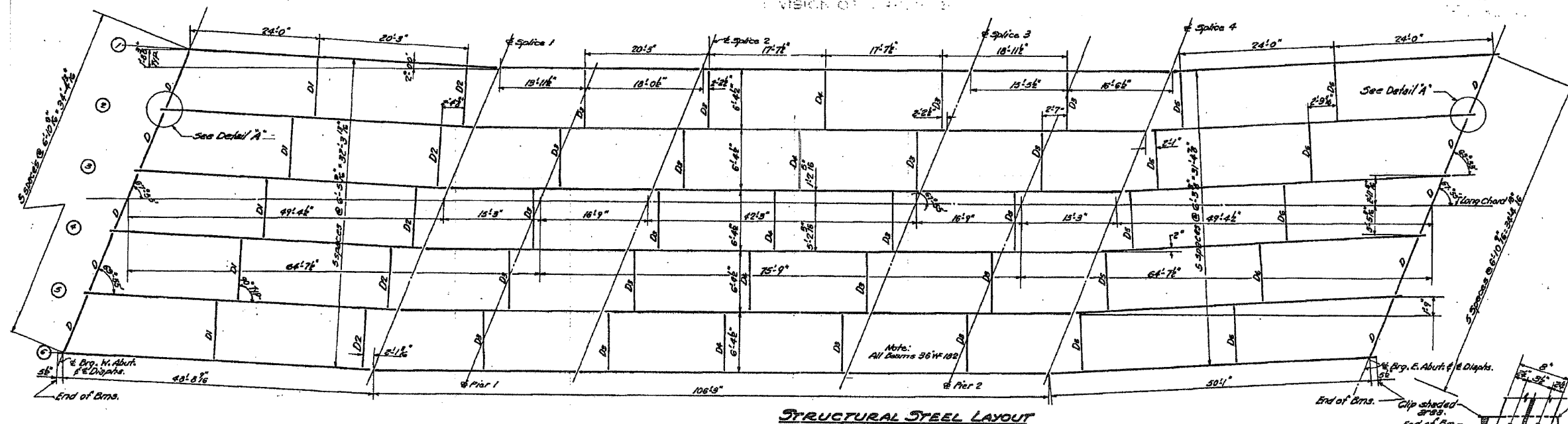
DESIGNED: *Tom A. Smith*  
CHECKED: *Coakley*  
DRAWN: *McA. S. Jacobs*  
CHECKED: *Coakley*

EXAMINED: *H.G. Bannerman*  
FACED: *Collins*  
APPROVED: *Ch. B. Williams*

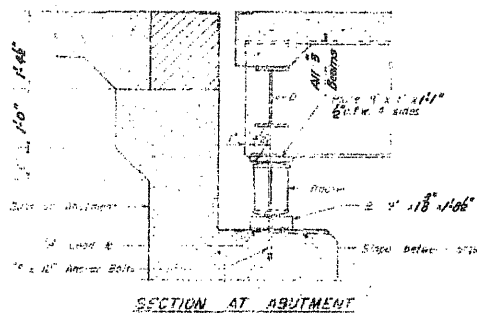
AUG 25 1961

**SLAB REINFORCEMENT LAYOUT**  
SINGINAWA RIVER  
S.B.I. RT. 5 SEC. 45-B  
JO DAVIESS COUNTY  
STA. 468+35

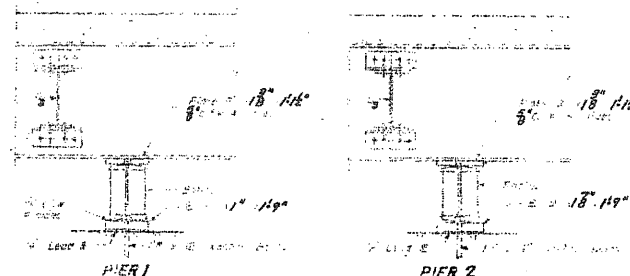




STRUCTURAL STEEL LAYOUT

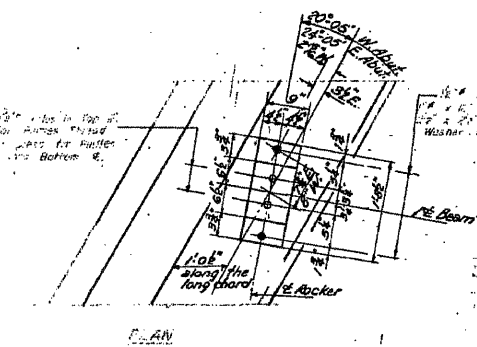


SECTION AT ABUTMENT

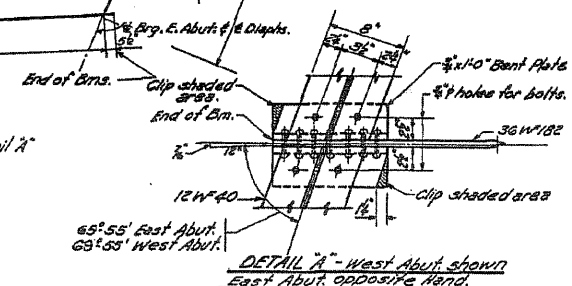


PIER 1

PIER 2



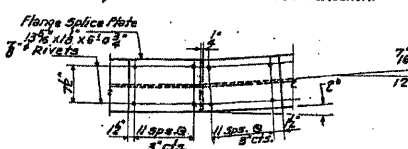
PLAN



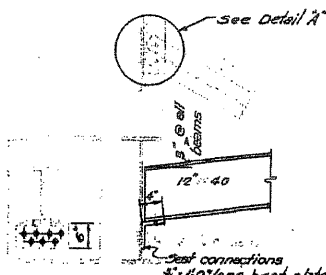
DETAIL A - West Abut shown East Abut. opposite hand.

Location	1	2	3	4	5	6
W. Abut.	630.927	631.174	631.422	631.670	631.918	632.166
Splice 1	632.859	632.100	632.342	632.584	632.826	633.068
Pier 1	632.205	632.452	632.699	632.946	633.193	633.440
Splice 2	632.591	632.837	633.084	633.331	633.578	633.825
Splice 3	633.710	633.957	634.204	634.451	634.698	634.945
Pier 2	634.210	634.458	634.705	634.952	635.199	635.446
Splice 4	634.660	634.907	635.154	635.401	635.648	635.895
E. Abut.	636.367	636.614	636.861	637.108	637.355	637.602

\* For fabrication only. Does not include Dead Load Deflection.



DETAIL OF SPlice 164



DETAIL OF SPlice 263

- S-D1 - Required
- S-D2 - Required
- S-D3 - Required
- S-D4 - Required
- S-D5 - Required

Aug. 25 '61  
 H. A. Smith  
 C. W. C. Case  
 N. B. S. Miller  
 R. B. Bartelme

WHKS & CO.  
 ENGINEERING  
 7018 KINGSMILL CT.,  
 SPRINGFIELD, IL  
 (217) 483-9457  
 DESIGN FIRM #184001036

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS  
 STRUCTURE NO. 043-0007  
 SHEET NO. 5 OF 12 SHEETS

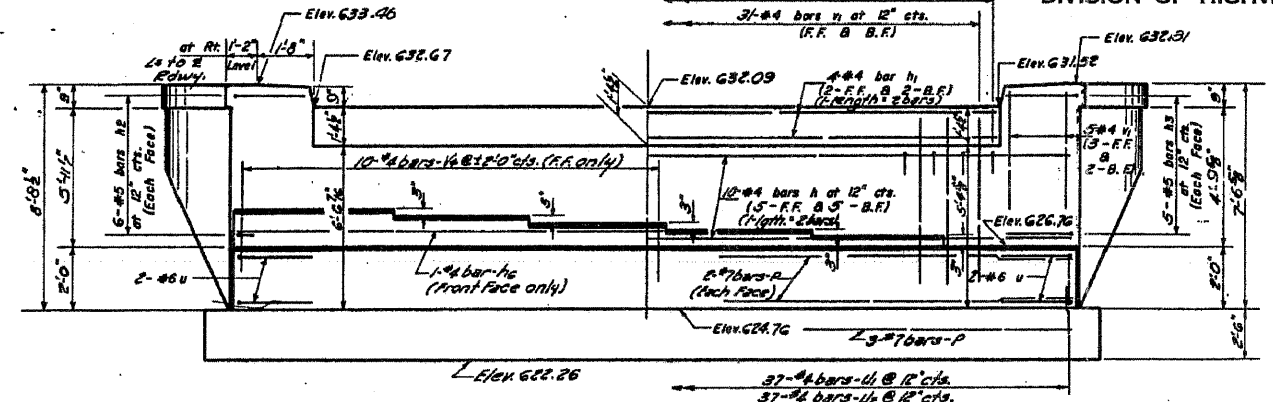
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B, 44B, 44HB, 45B)D	JO DAVIESS	309	225
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

USER NAME = dhaberling  
 FILE NAME = 0430007-64C94Existing  
 PLOT DATE = 12/6/2011  
 PLOT TIME = 10:16:17 AM

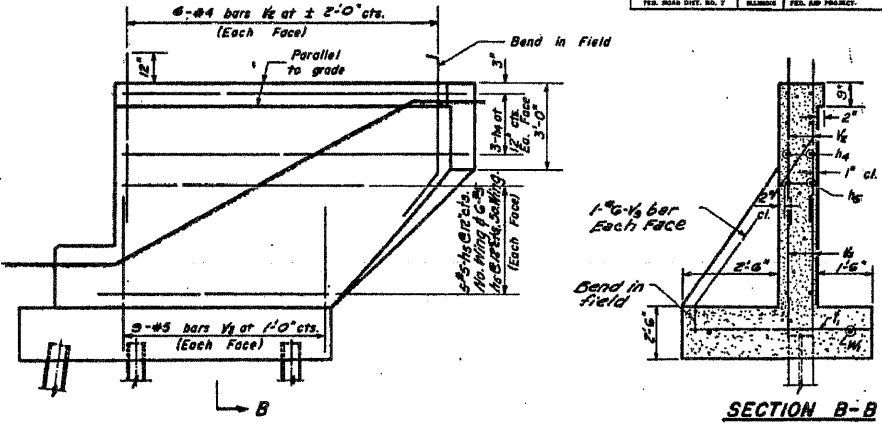
DESIGNED - BRD  
 CHECKED - CWC/SDS  
 DRAWN - DLH  
 REVISIONS

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COURT	SCALE	SHEET	SHEET NO. 5 // SHEETS
44B	45A	JD DAVIESS	166	25	



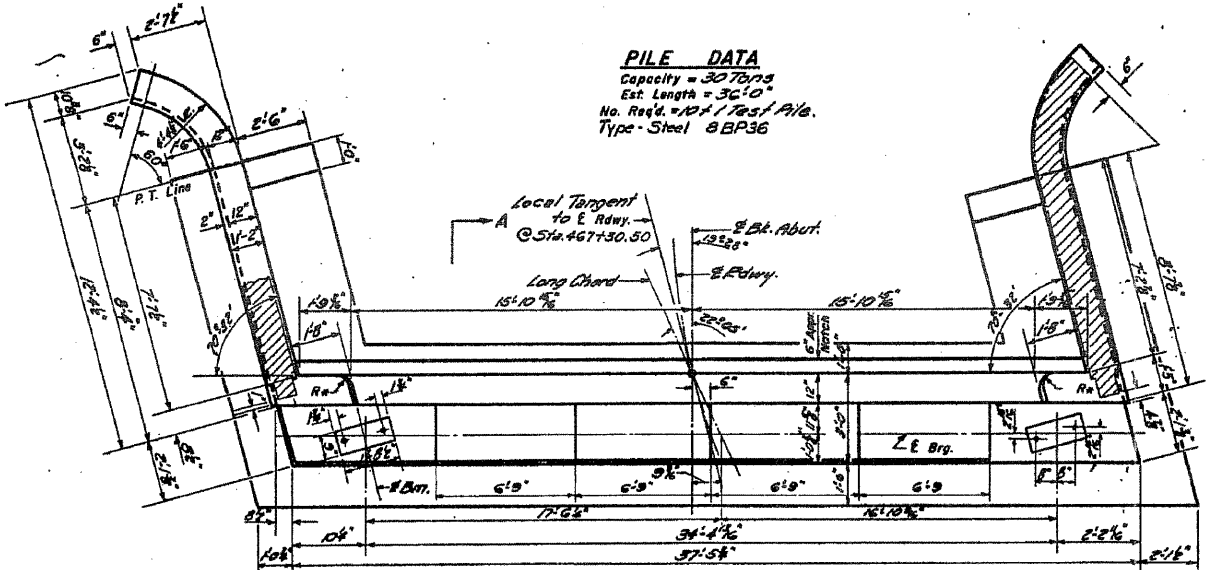
**ELEVATION**  
At Right Angles to E. Rwy.  
(Elevations and Dimensions are at Back of Abutment.)



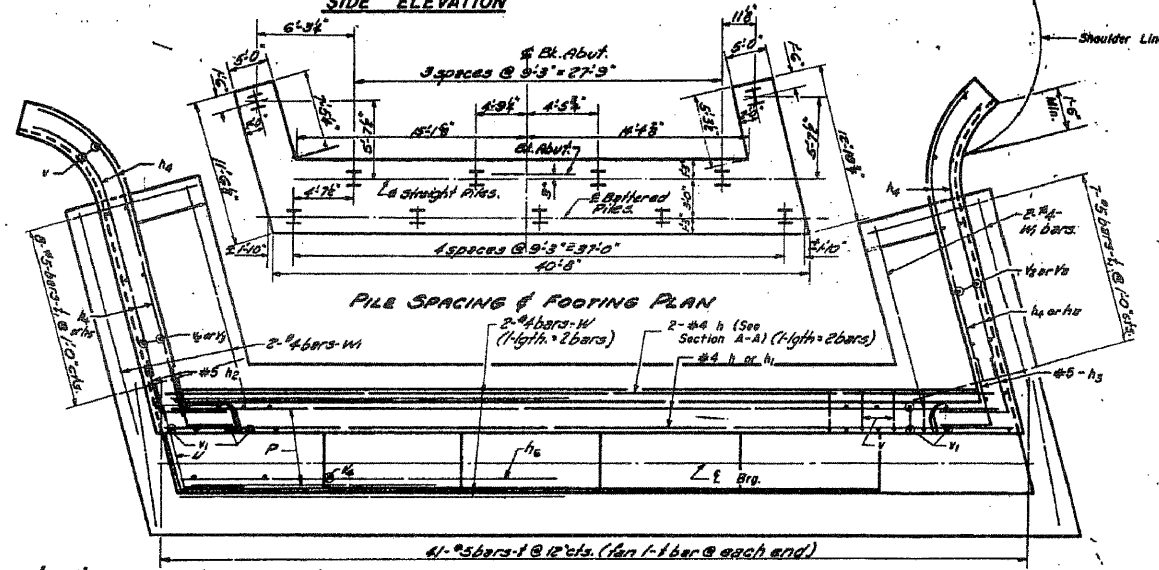
**SIDE ELEVATION**

**SECTION B-B**

**PILE DATA**  
Capacity = 3070 lbs  
Est. Length = 36'-10"  
No. Reqd. = 101 / 100' / Pile  
Type - Steel B BP 36



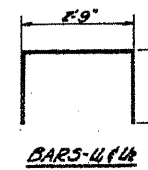
**PLAN OF ABUTMENT**  
Dimensions



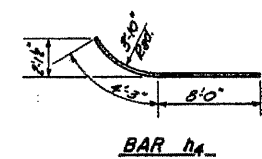
**PILE SPACING & FOOTING PLAN**

**PLAN OF ABUTMENT**  
(Showing Reinforcement)

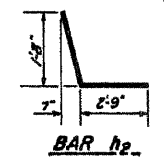
\* Note: Contractor shall construct curb without radius when a curb & gutter are used on bridge approaches (See road plans).



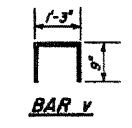
**BAR U**



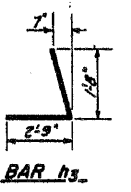
**BAR h1**



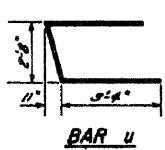
**BAR h2**



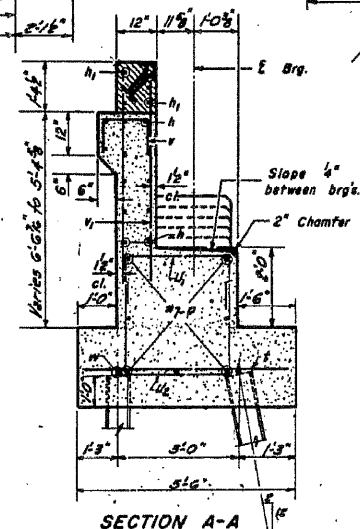
**BAR v**



**BAR h3**



**BAR u**



**SECTION A-A**

Note: See Sheet No. 6 for Pile Detail.

**BILL OF REINFORCEMENT**

Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
h	28	#4	17'-3"	U	h	2	#6	9'-6"	U
h1	8	#4	15'-6"	U	h2	37	#4	6'-3"	U
h2	12	#5	2'-6"	L	h3	37	#4	7'-9"	U
h3	10	#5	2'-6"	U	h4	12	#5	10'-3"	U
h4	12	#5	10'-3"	U	h5	22	#5	8'-6"	U
h5	22	#5	8'-6"	U	h6	1	#4	18'-0"	U
h6	1	#4	18'-0"	U	h7	14	#4	7'-3"	U
h7	14	#4	7'-3"	U	h8	24	#4	7'-3"	U
h8	24	#4	7'-3"	U	h9	36	#5	5'-0"	U
h9	36	#5	5'-0"	U	h10	10	#4	2'-3"	U
h10	10	#4	2'-3"	U	h11	16	#4	8'-0"	U
h11	16	#4	8'-0"	U	h12	4	#4	20'-9"	U
h12	4	#4	20'-9"	U	h13	15	#5	4'-3"	U
h13	15	#5	4'-3"	U	h14	4	#4	8'-6"	U
h14	4	#4	8'-6"	U					

**BILL OF MATERIAL**

Item	Unit	Quantity
Class X Concrete	Cu. Yd.	47.8
Reinforcement Bars	Lb.	2910
Steel Piles (B BP 36)	Lin. Ft.	360
Steel Test Piles (B BP 36)	Each	1

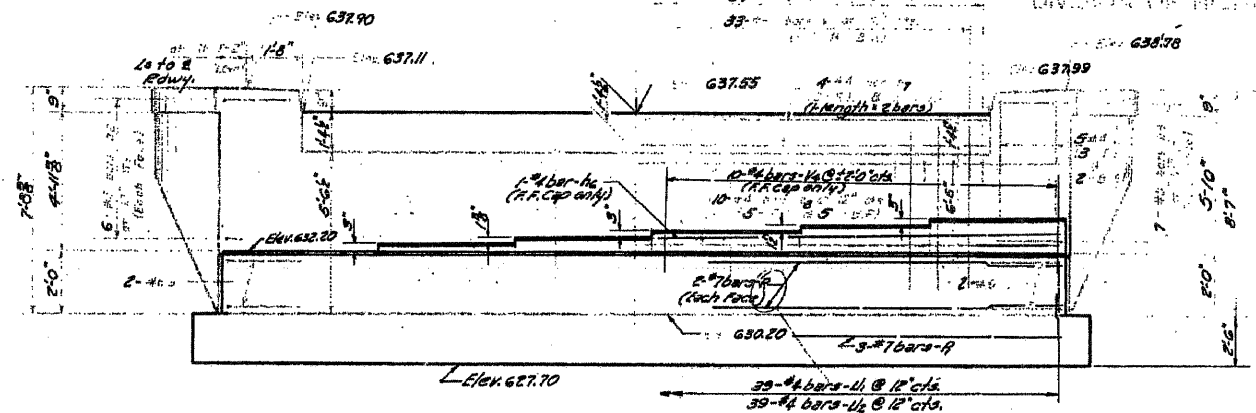
WEST ABUTMENT  
SANSINAWA RIVER  
S.B.I. RT. 5 SEC. 45-B  
JO DAVIESS COUNTY  
STA. 468+35

DESIGNED: *Sam R. Smith*  
CHECKED: *Carl W. Smith*  
DRAWN: *W. A. Soussan*  
CHECKED: *Carl W. Smith*

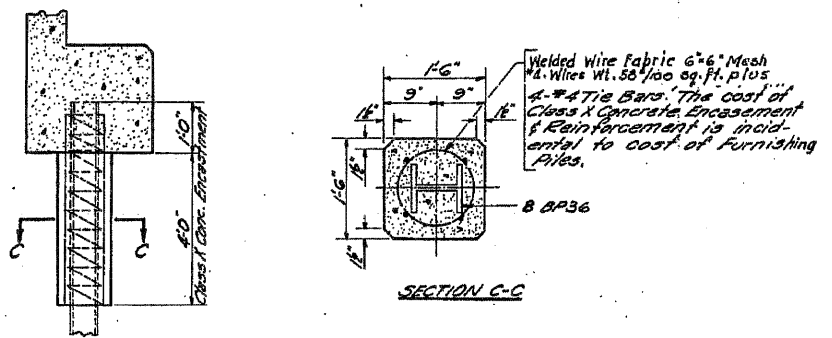
EXAMINED: *W. G. Baumann*  
PASSED: *Carl W. Smith*  
APPROVED: *Carl W. Smith*

AUG 25 1961

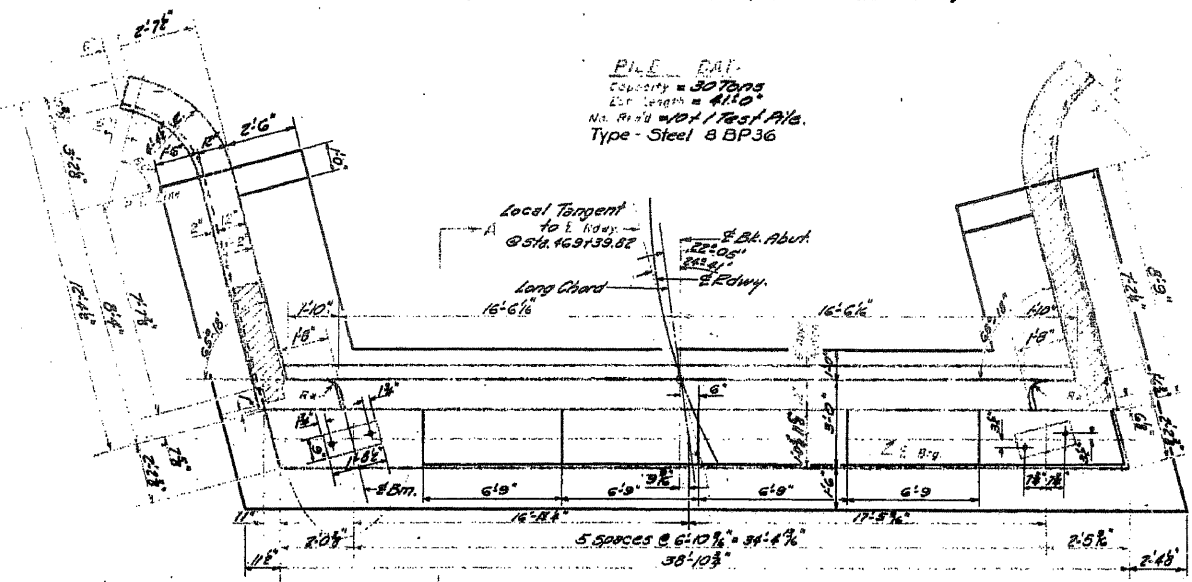
A-3-L Drawn 5-20-58 Rev. 9-26-58



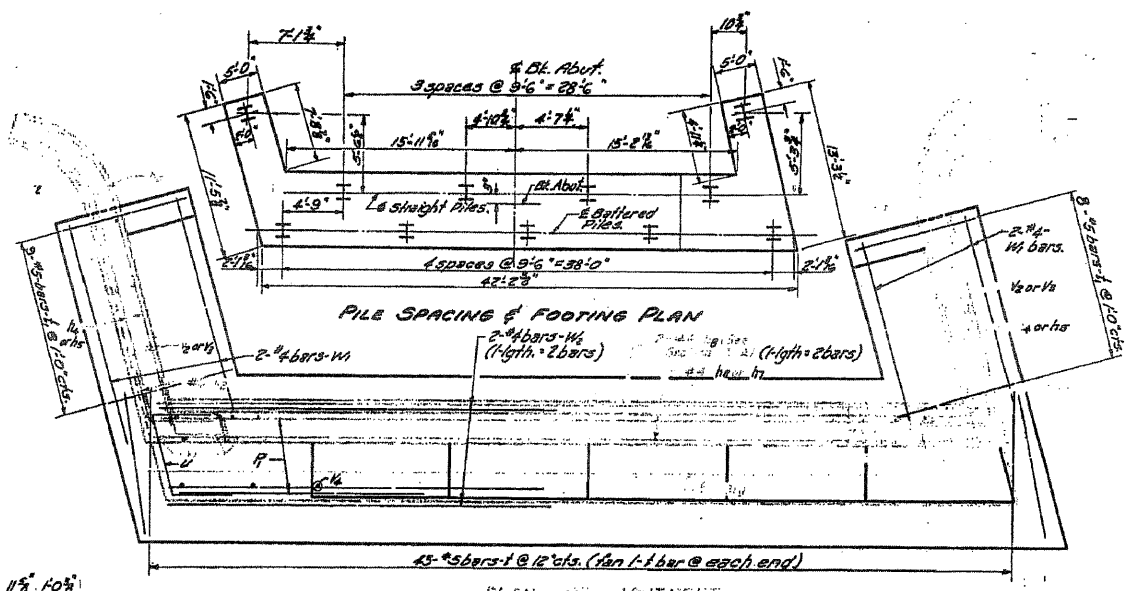
ELEVATION  
At Right Angle to Roadway  
(Elevations and Dimensions are at Back of Abutment)



PILE DETAIL

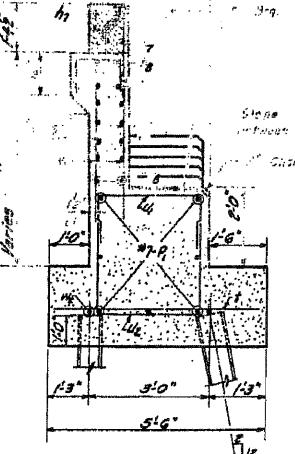
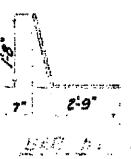
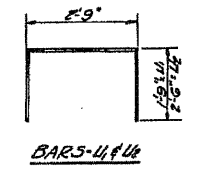


PLAN OF ABUTMENT



PILE SPACING & FOOTING PLAN

PLAN OF ABUTMENT  
(Showing Reinforcement)



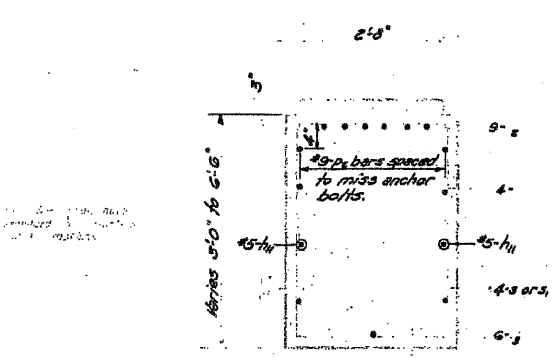
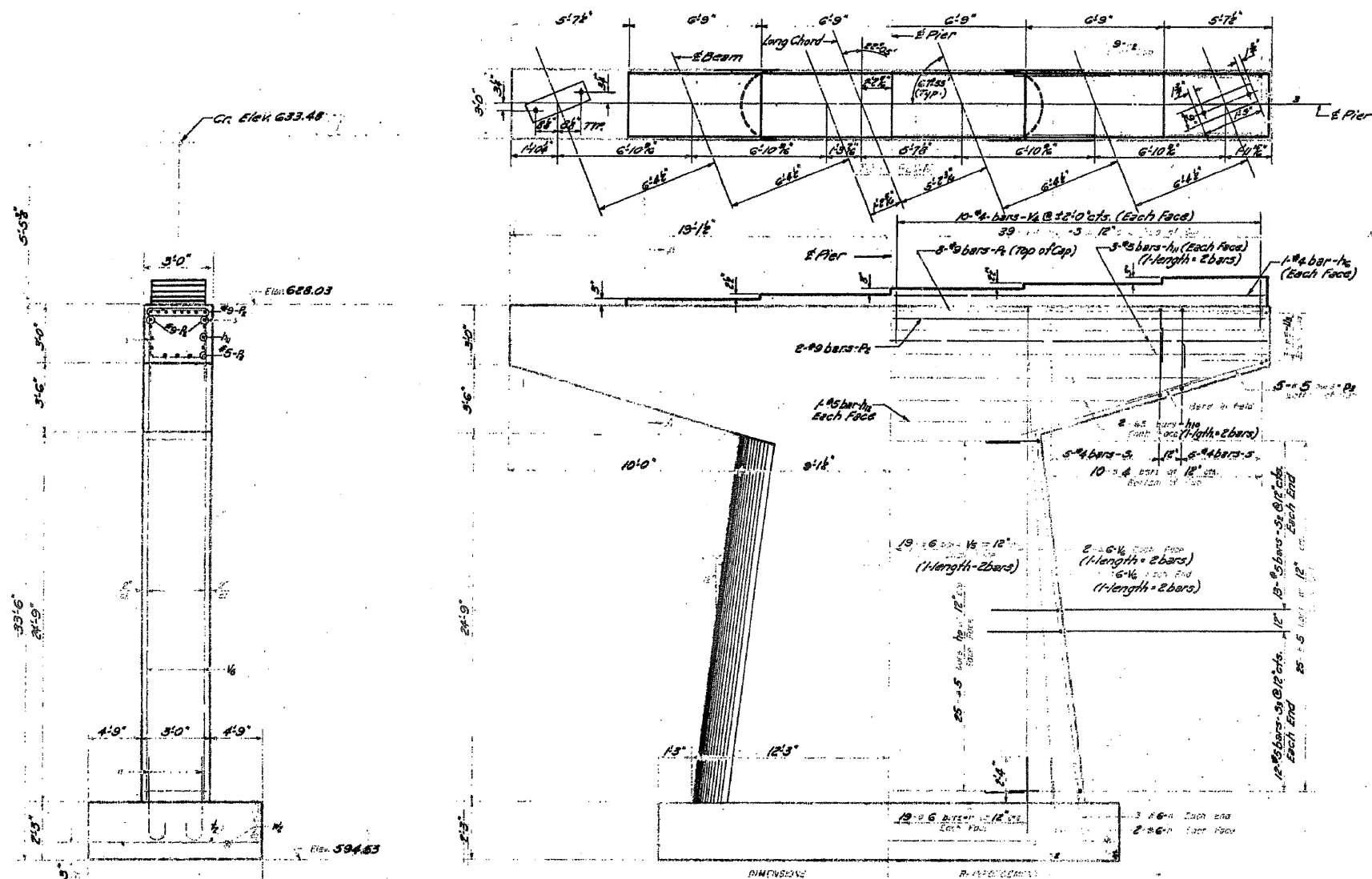
Aug. 25, 1961  
 W.G. Baumann  
 E.N. RUSH  
 C. H. ...

LIST OF REINFORCEMENT

Bar No.	Qty	Length	Weight	Bar No.	Qty	Length	Weight
#1	4	4'6"	1.0	#10	24	20'0"	36.0
#2	12	4'6"	2.7	#11	7	38'6"	14.0
#3	14	4'6"	3.1	#12	4	4'6"	1.0
#4	12	10'3"	4.0	#13	1	19'0"	1.0
#5	22	8'6"	5.0	#14	8	4'6"	2.0
#6	1	19'0"	1.0	#15	24	4'6"	6.0
#7	8	4'6"	2.0	#16	7	38'6"	14.0
#8	24	4'6"	6.0	#17	43	5'3"	14.0
#9	7	38'6"	14.0	#18	17	4'6"	4.0
#10	24	4'6"	6.0	#19	4	4'6"	1.0
#11	7	38'6"	14.0	#20	17	4'6"	4.0
#12	4	4'6"	1.0	#21	4	4'6"	1.0
#13	1	19'0"	1.0	#22	4	4'6"	1.0
#14	8	4'6"	2.0	#23	4	4'6"	1.0
#15	24	4'6"	6.0	#24	4	4'6"	1.0
#16	7	38'6"	14.0	#25	4	4'6"	1.0
#17	43	5'3"	14.0	#26	4	4'6"	1.0
#18	17	4'6"	4.0	#27	4	4'6"	1.0

51.5  
 304.0  
 Steel Piles (8 BP36) Lin. Ft. 410  
 Steel Test Piles (8 BP36) Each 1

EAST ABUTMENT  
 SINSINAWA RIVER  
 S.B.1, RT. 5 SEC. 45-B  
 JO DAVIESS COUNTY  
 STA. 468+35

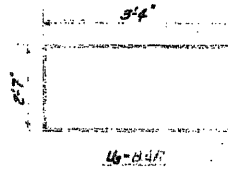


3 #5

A. A. DIMENSIONS

1	2'-8"	2'-8"
2	2'-8"	2'-5"
3	2'-2"	3'-2"
4	2'-2"	2'-5"

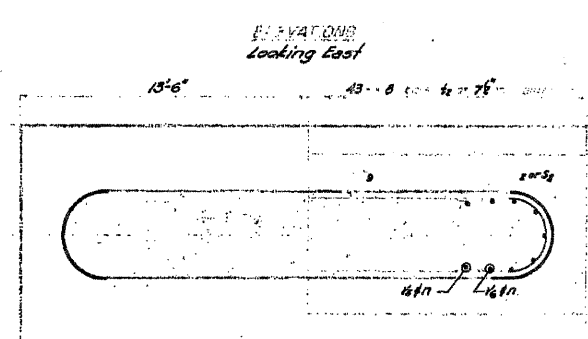
5, 3, 3, 5, 5 BARS



h <sub>5</sub>	2	#4	19'-0"
h <sub>10</sub>	50	#5	15'-0"
h <sub>12</sub>	8	#5	16'-0"
h <sub>14</sub>	12	#5	19'-0"
h <sub>16</sub>	2	#5	18'-0"
h <sub>18</sub>	52	#6	5'-0"
h <sub>20</sub>	10	#9	38'-0"
h <sub>22</sub>	10	#5	11'-6"
h <sub>24</sub>	49	#4	8'-0"
h <sub>26</sub>	10	#4	11'-6"
h <sub>28</sub>	26	#5	10'-6"
h <sub>30</sub>	24	#5	13'-0"
h <sub>32</sub>	43	#3	12'-3"
h <sub>34</sub>	6	#6	9'-3"
h <sub>36</sub>	20	#4	2'-3"
h <sub>38</sub>	76	#6	15'-6"
h <sub>40</sub>	28	#6	13'-6"
h <sub>42</sub>	12	#4	14'-0"

For A. Smith  
 Checked  
 W.C.S. DRAWN  
 Checked

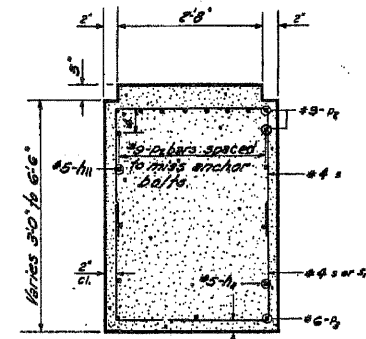
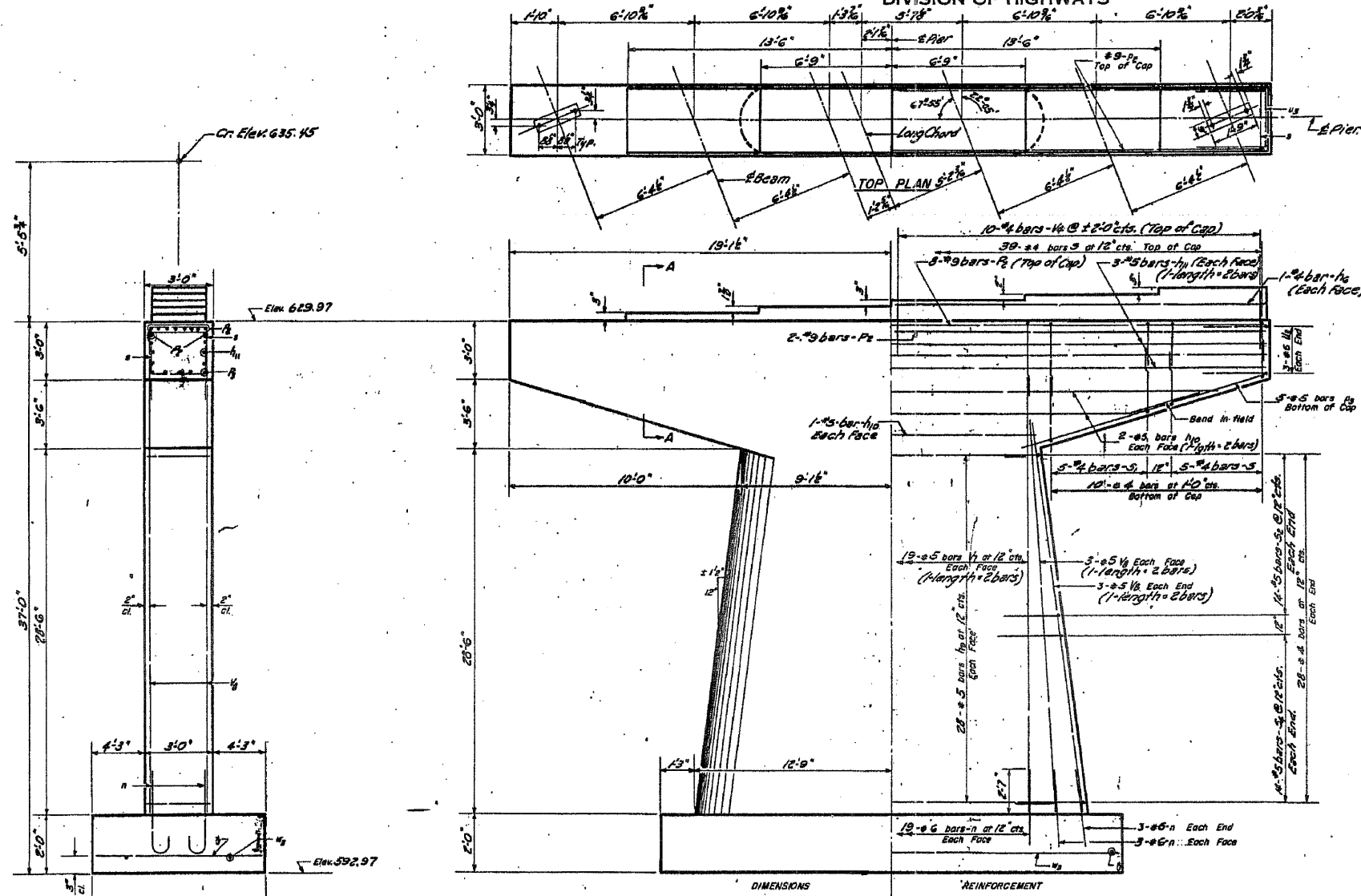
AUG 25 '61  
 W.C. B...  
 R. B...



PIER No. 1  
 SINSINAWA RIVER  
 S.B.I. RT. 5 SEC. 45-D  
 JO DAVIESS COUNTY  
 STA. 468+35

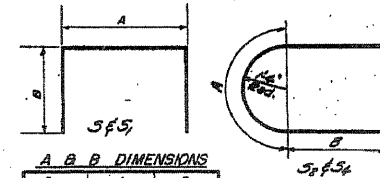
STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45A+B	JO DAVIESS	166	25	11 SHEETS



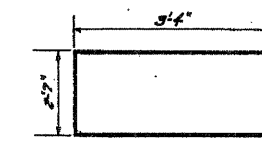
SECTION A-A

Note: All edges shall have standard 1/2" chamfers except footings

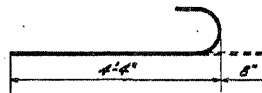


Bar	A	B
a	2'-8"	2'-8"
a <sub>1</sub>	2'-8"	4'-5"
a <sub>2</sub>	4'-2"	3'-2"
a <sub>3</sub>	4'-2"	4'-5"

3, 5, 3, 3, 3, 3 - BARS



U-BAR



n-BAR

PIER 2  
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a <sub>0</sub>	2	#4	19'-0"	—
a <sub>1</sub>	56	#5	15'-0"	—
a <sub>2</sub>	8	#5	16'-0"	—
a <sub>3</sub>	12	#5	19'-9"	—
a <sub>4</sub>	2	#5	18'-0"	—
a	56	#6	5'-0"	U
a <sub>1</sub>	10	#9	38'-0"	—
a <sub>2</sub>	10	#5	1'-6"	—
a	49	#4	8'-0"	□
a	10	#4	1'-6"	—
a <sub>1</sub>	28	#5	10'-6"	C
a <sub>2</sub>	28	#5	13'-6"	C
a	56	#6	11'-3"	—
a <sub>1</sub>	6	#6	9'-3"	—
a <sub>2</sub>	20	#4	2'-3"	—
a <sub>3</sub>	76	#5	16'-9"	—
a <sub>4</sub>	56	#5	15'-3"	—
a <sub>5</sub>	10	#4	14'-6"	—

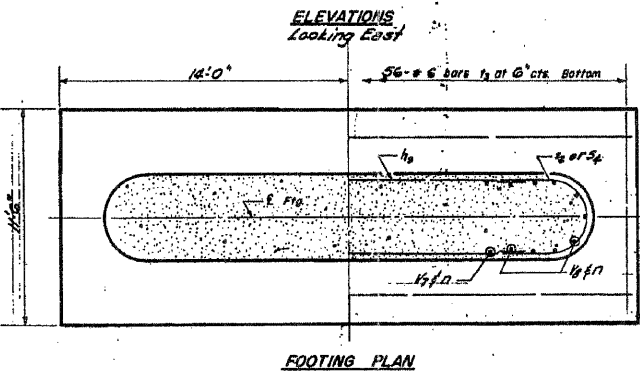
Class X Concrete Cu. Yd. 121.7  
Reinforcement Bars Lb. 7230

DESIGNED: *H. A. Smith*  
CHECKED: *Carlton*  
DRAWN: *W. A. S. ENRUSH*  
CHECKED: *Carlton*

EXAMINED: *W. B. Bauman*  
PASSED: *W. A. S. ENRUSH*  
APPROVED: *W. A. S. ENRUSH*

AUG 25 1961

P-2 DRAWN 4-9-57

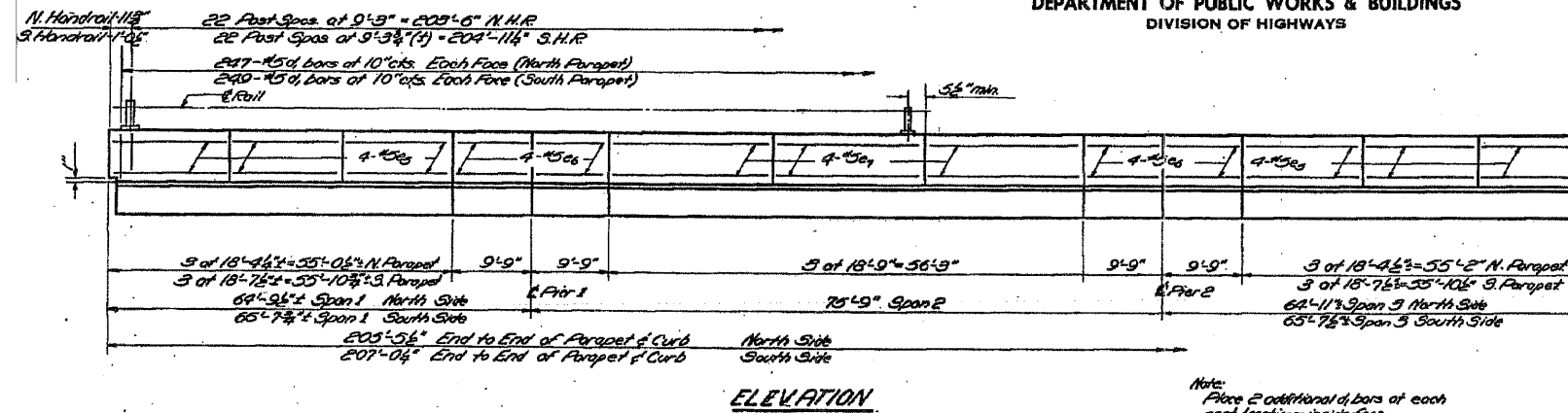


FOOTING PLAN

PIER No. 2  
SINSINAWA RIVER  
S.B.I. RT. 5 SEC. 45-B  
JO DAVIESS COUNTY  
STA. 468+35

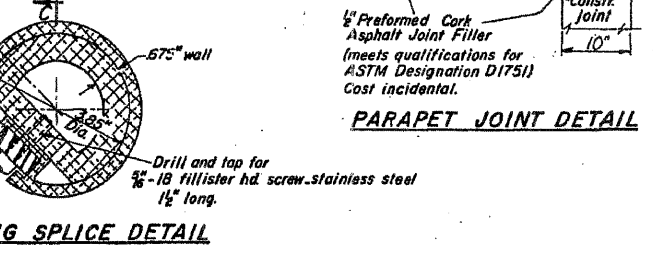
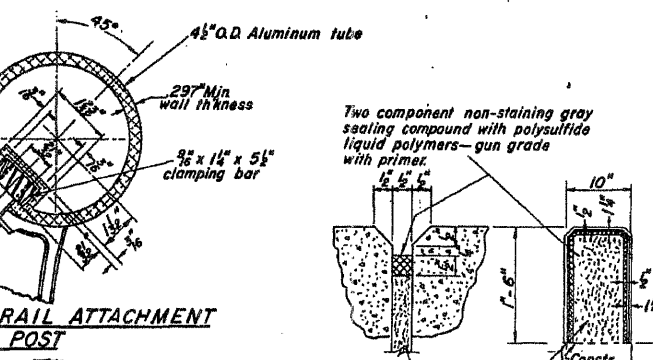
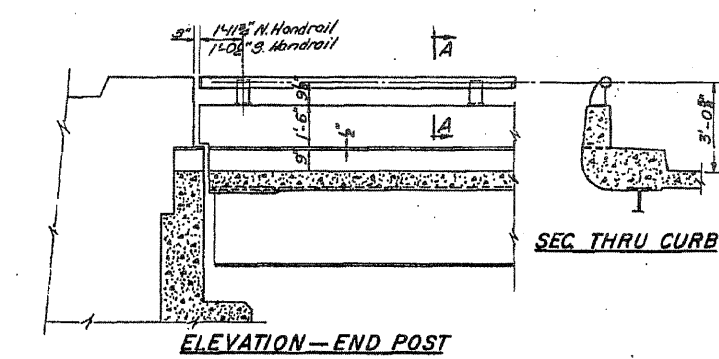
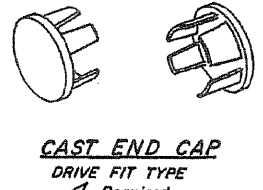
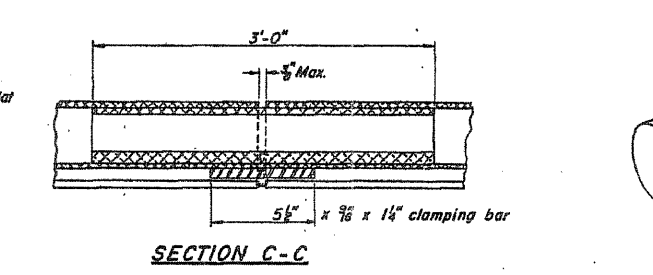
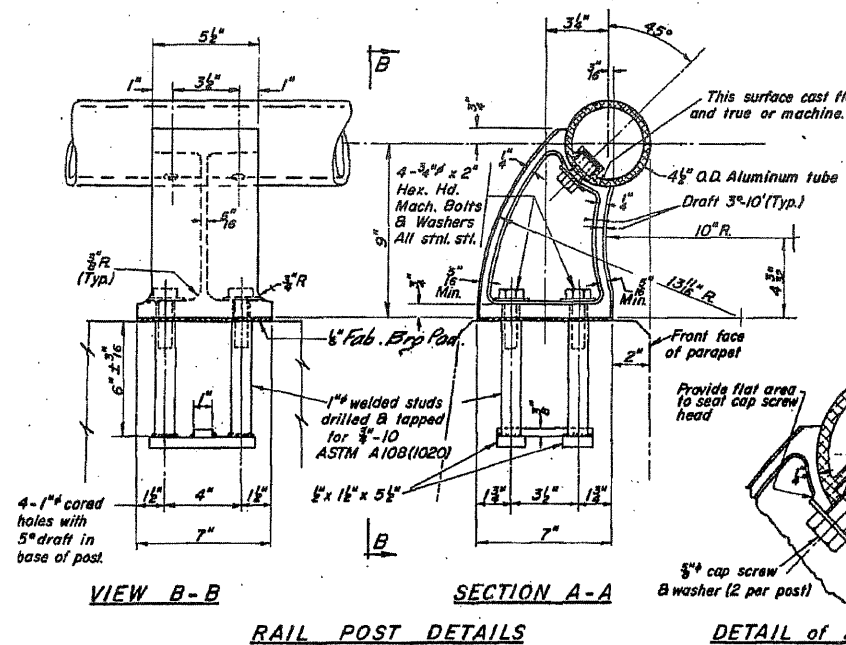
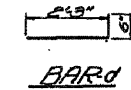
STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
45A1B	JO DAVIESS	166	29	11	8 SHEETS



**BAR LISTS**

Bar	No	Size	Length	Shape
S <sub>1</sub>	48	#5	18'-2"	
S <sub>2</sub>	36	#5	9'-6"	
C <sub>1</sub>	24	#5	18'-6"	
C <sub>2</sub>	108	#5	2'-0"	



**NOTES:**

All Posts shall be normal to parapet.

All Aluminum Alloy Extruded Rail shall conform to ASTM specification B-235 alloy 6061-T6, or 6062-T6, and shall extend a minimum of 2 panel lengths (attached to a minimum of 3 posts) except at ends or at open joints where a minimum of 1 panel length is required. All joints in railing must be spliced per detail.

See Special Provisions for following Material Specifications:  
Cast Aluminum Alloy Bridge Post Alloy 344-T4.  
Stainless Steel Machine Bolts, Washers, and Bars.  
Fabric Bearing Pads.

**BILL of MATERIAL**

Item	Unit	Quantity
ALUMINUM HANDRAIL	Lin. Ft.	472
Reinforcement Bars	Lbs.	4800

**METHOD of MEASUREMENT:** Aluminum handrail shall be measured in lineal feet. The length paid for shall be the over all length along the top longitudinal railing member thru all posts and gaps.

**BASIS of PAYMENT:** Aluminum handrail shall be paid for at the contract unit price per lineal foot for ALUMINUM HANDRAIL, measured as specified, which price shall be payment in full for all materials, fabrication, transportation, and erection.

Cost of rail splice, end caps, and hardware to be incidental to item ALUMINUM HANDRAIL.

Provide 1 - 1/2" and 2 - 1/8" Aluminum Shims for 25% of the Posts. Rail element shall be parallel to Grade - high spots shall be ground and low spots shimmed.

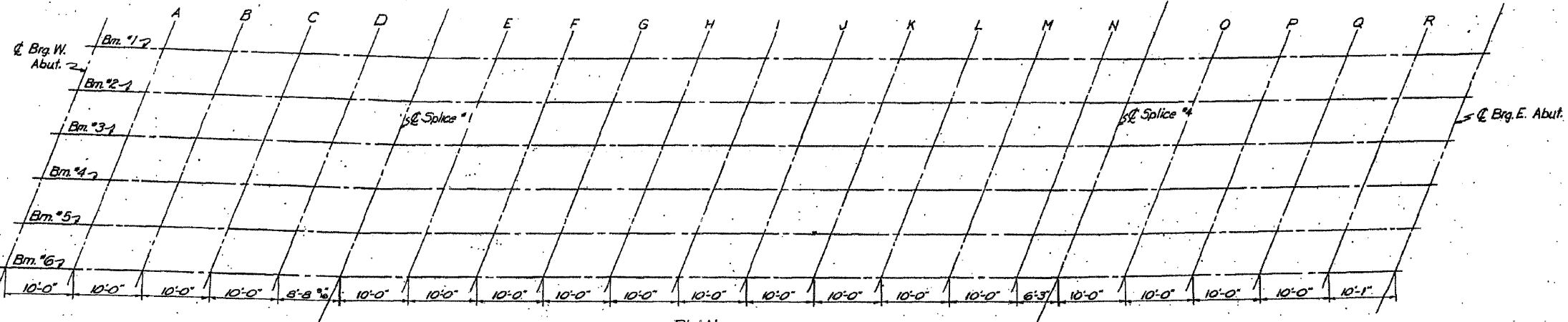
**ALUMINUM HANDRAIL**  
SINAIANA RIVER  
S.B.I. RT.5 ~ SEC. 45B  
JO DAVIESS COUNTY  
STATION 468+35

DESIGNED	J. Kaspar	EXAMINED	
CHECKED	J. W. N.	PASSED	
DRAWN	Wm. M. Best	APPROVED	
CHECKED	J. W. N.		

R-19 Dwn. 6-26-64 Rev. 8-26-64 9-2-64

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10/1/81	45B+5	JO DAVIESS	166	30
SHEET NO. 10 11 SHEETS				



PLAN

Line	Station	Offset	Grade Elev.	Grade Elev. Adjusted for @ Deflection	
Brig W Abut	6	46726.809	16.426	632.765	632.765
	5	46729.882	9.825	632.514	632.514
	4	46731.368	3.447	632.265	632.265
	3	46733.667	3.899	632.016	632.016
	2	46735.979	9.523	631.768	631.768
	1	46738.304	16.805	631.521	631.521
A	6	46736.737	16.324	632.946	632.959
	5	46739.039	9.843	632.698	632.711
	4	46741.355	3.365	632.451	632.464
	3	46743.680	3.111	632.205	632.218
	2	46746.021	9.585	631.960	631.973
	1	46748.375	16.057	631.715	631.728
B	6	46746.657	16.266	633.136	633.150
	5	46748.996	9.795	632.891	632.913
	4	46751.339	3.326	632.647	632.669
	3	46753.694	3.139	632.403	632.425
	2	46756.053	9.605	632.160	632.182
	1	46758.443	16.064	631.919	631.941
C	6	46756.596	16.250	633.335	633.360
	5	46758.953	9.780	633.092	633.118
	4	46761.324	3.311	632.851	632.876
	3	46763.708	3.124	632.610	632.636
	2	46766.105	9.577	632.370	632.396
	1	46768.516	16.028	632.131	632.157
D	6	46766.526	16.278	633.543	633.562
	5	46768.911	9.808	633.302	633.322
	4	46771.309	3.340	633.065	633.085
	3	46773.721	3.165	632.827	632.845
	2	46776.146	9.597	632.589	632.606
	1	46778.586	16.048	632.353	632.372
Splice 1	6	46775.177	16.358	633.731	633.742
	5	46777.587	9.897	633.494	633.505
	4	46780.009	3.428	633.258	633.268
	3	46782.445	2.977	633.023	633.033
	2	46784.896	9.411	632.788	632.798
	1	46787.359	15.842	632.554	632.563

Line	Station	Offset	Grade Elev.	Grade Elev. Adjusted for @ Deflection	
E	6	46785.188	16.892	633.940	633.944
	5	46787.344	9.653	633.705	633.710
	4	46789.394	3.237	633.473	633.476
	3	46792.458	3.186	633.240	633.244
	1	46794.426	9.696	633.009	633.012
F	6	46797.427	16.024	632.778	632.781
	5	46795.027	15.085	634.150	634.161
	4	46797.501	9.477	633.927	633.930
	3	46799.979	5.062	633.697	633.699
	1	46802.471	3.350	633.467	633.470
G	6	46804.977	9.760	633.236	633.241
	5	46807.497	16.167	633.010	633.013
	4	46804.967	15.741	634.385	634.394
	3	46807.439	9.334	634.157	634.165
	1	46809.965	2.930	633.930	633.938
H	6	46812.485	5.471	633.700	633.711
	5	46815.019	9.870	633.477	633.485
	4	46817.568	16.266	633.252	633.261
	3	46814.898	15.631	634.622	634.634
	1	46817.418	9.233	634.396	634.408
I	6	46819.922	2.862	634.172	634.180
	5	46822.404	9.348	633.948	633.960
	4	46824.903	9.856	633.725	633.737
	3	46827.439	16.321	633.504	633.516
	1	46824.831	15.565	634.887	634.882
J	6	46827.378	9.179	634.664	634.676
	5	46829.940	2.797	634.423	634.438
	4	46832.516	3.581	634.202	634.217
	3	46835.106	9.958	633.983	633.997
	1	46837.711	16.331	633.764	633.779
K	6	46834.763	15.541	635.121	635.135
	5	46837.338	9.167	634.902	634.915
	4	46839.928	2.796	634.683	634.697
	3	46842.531	1.571	634.466	634.479
	1	46845.150	9.856	634.249	634.263
L	6	46847.783	16.298	634.034	634.047
	5	46844.628	15.624	635.437	635.463
	4	46847.258	3.273	635.243	635.249
	3	46849.902	2.925	635.051	635.057
	1	46852.563	9.419	634.860	634.866
M	6	46855.235	9.761	634.640	634.646
	5	46857.924	16.190	634.421	634.427
	4	46854.560	15.751	635.828	635.838
	3	46857.217	9.391	635.628	635.638
	1	46859.888	3.055	635.419	635.419
N	6	46872.575	8.278	635.311	635.311
	5	46875.277	9.608	635.104	635.104
	4	46877.993	15.935	634.898	634.898
	3	46874.490	15.881	636.228	636.234
	1	46877.174	9.553	636.021	636.027
O	6	46879.873	3.228	635.815	635.821
	5	46882.587	3.099	635.610	635.617
	4	46885.316	9.411	635.407	635.413
	3	46888.060	15.727	635.206	635.210
	P	6	46884.696	15.561	635.386
5		46887.298	9.188	635.168	635.174
4		46889.915	2.839	634.953	634.964
3		46892.547	3.517	634.738	634.749
1		46895.193	9.871	634.525	634.536
Q	6	46897.854	16.221	634.313	634.324
	5	46894.628	15.624	635.637	635.663
	4	46897.258	3.273	635.443	635.449
	3	46899.902	2.925	635.251	635.257
	1	46902.563	9.419	635.060	635.066
R	6	46905.235	9.761	634.840	634.846
	5	46907.924	16.190	634.621	634.627
	4	46904.560	15.751	635.958	635.968
	3	46907.217	9.391	635.728	635.728
	1	46909.888	3.055	635.519	635.519
Brig E Abut	6	46922.575	8.278	635.311	635.311
	5	46925.277	9.608	635.104	635.104
	4	46927.993	15.935	634.898	634.898
	3	46924.490	15.881	636.228	636.234
	1	46927.174	9.553	636.021	636.027

Line	Station	Offset	Grade Elev.	Grade Elev. Adjusted for @ Deflection	
Splice 2	6	46890.635	15.990	636.414	636.426
	5	46893.295	9.677	636.207	636.219
	4	46895.912	3.359	635.995	635.995
	3	46898.484	2.555	635.802	635.815
	1	46901.030	9.266	635.601	635.611
O	6	46898.635	15.959	636.780	636.723
	5	46899.354	9.560	636.581	636.521
	4	46900.097	3.254	636.381	636.321
	3	46900.856	2.948	636.181	636.121
	1	46901.639	9.547	635.983	635.923
P	6	46904.420	15.643	635.785	635.726
	5	46906.356	15.784	637.001	637.027
	4	46908.303	3.192	636.803	636.828
	3	46908.870	3.097	636.609	636.631
	1	46911.671	9.394	636.415	636.435
Q	6	46914.489	15.668	636.221	636.249
	5	46916.488	15.742	637.380	637.338
	4	46918.271	9.456	637.113	637.155
	3	46919.969	3.175	636.918	636.941
	1	46921.683	3.388	636.727	636.749
R	6	46924.357	9.378	636.535	636.557
	5	46926.119	15.743	637.624	637.637
	4	46927.258	9.470	637.432	637.443
	3	46928.025	3.208	637.242	637.255
	1	46928.897	3.065	637.053	637.065
Brig E Abut	6	46931.753	9.327	636.865	636.878
	5	46934.628	15.586	636.678	636.691
	4	46930.434	15.788	637.852	637.852
	3	46932.271	9.527	637.664	637.664
	1	46934.124	3.270	637.477	637.477

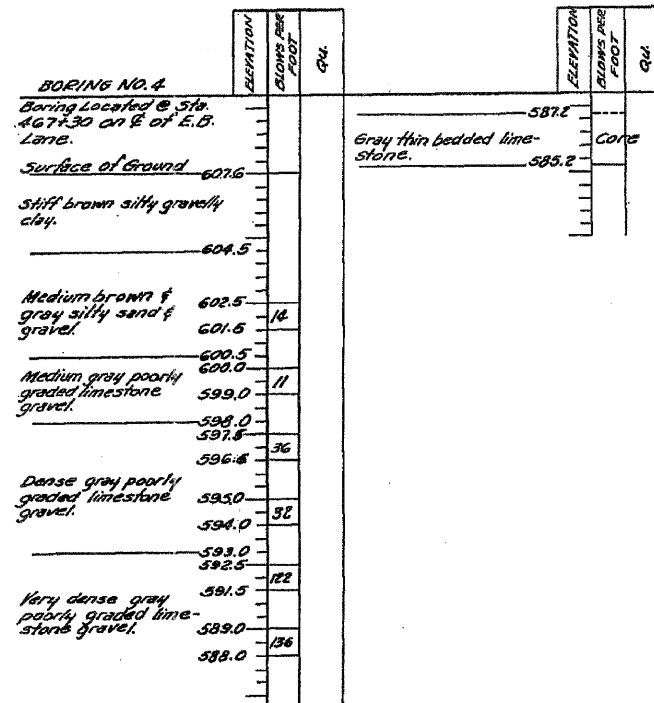
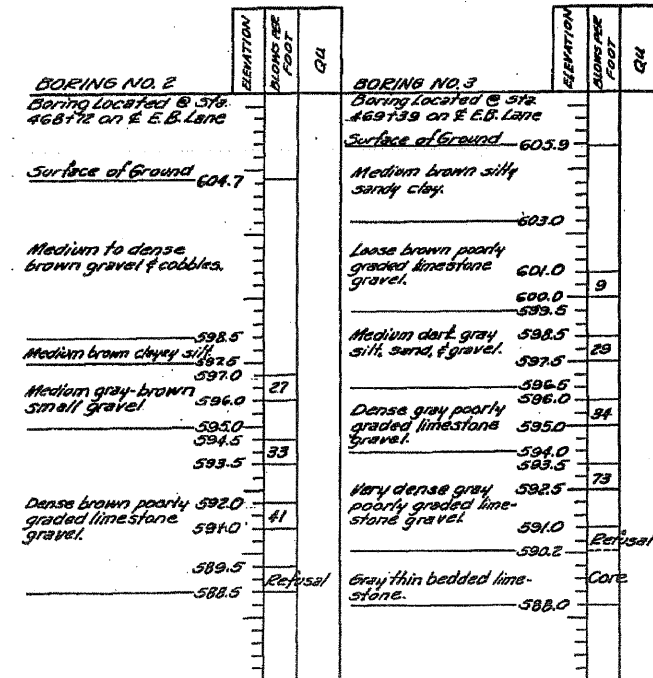
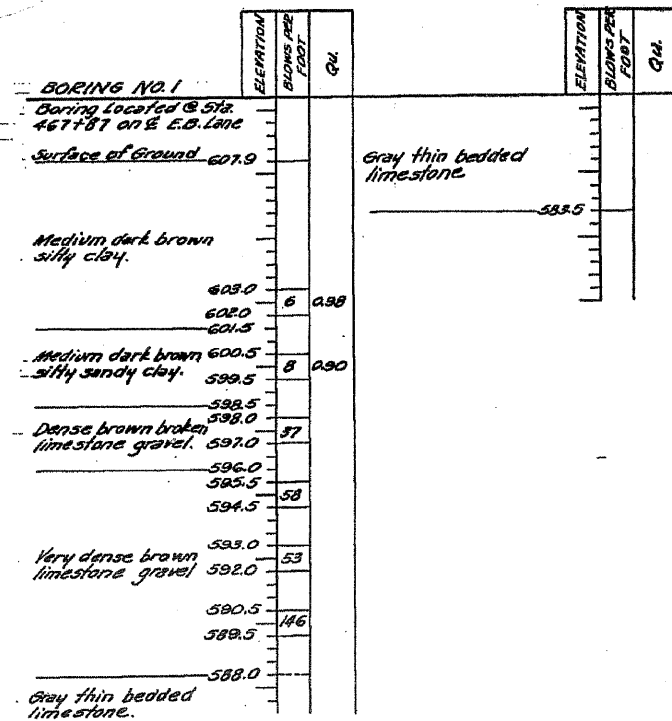
TOP OF SLAB ELEVATIONS  
SINSINAWA RIVER  
S.B.I. Rt. 5 Sec 45 B  
JO DAVIESS COUNTY  
STATION 468+35

DESIGNED	W. Seneff
CHECKED	
DRAWN	W. J.
CHECKED	

AUG 25 1961  
EXAMINED H.E. Bannan  
PASSED [Signature]  
APPROVED R.H. [Signature]

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

DATE	BY	CHKD	TOTAL SHEETS	SHEET NO.
8/11/61	JQ DAVI	JQ DAVI	166	31
SHEET NO. 17				
17 SHEETS				



NOTE:  
N = Blows per foot of penetration of sampling spoon. Hammer Weight = 350 Lbs. Drop = 12 inches.  
Qu = Unconfined compressive strength in tons per square foot.

DESIGNED *H. A. Smith*  
CHECKED *C. J. Smith*  
DRAWN *E. R.*  
CHECKED *C. J. Smith*

EXAMINED *W. E. Rasmussen*  
PASSED *C. J. Smith*  
APPROVED *R. J. Rasmussen*

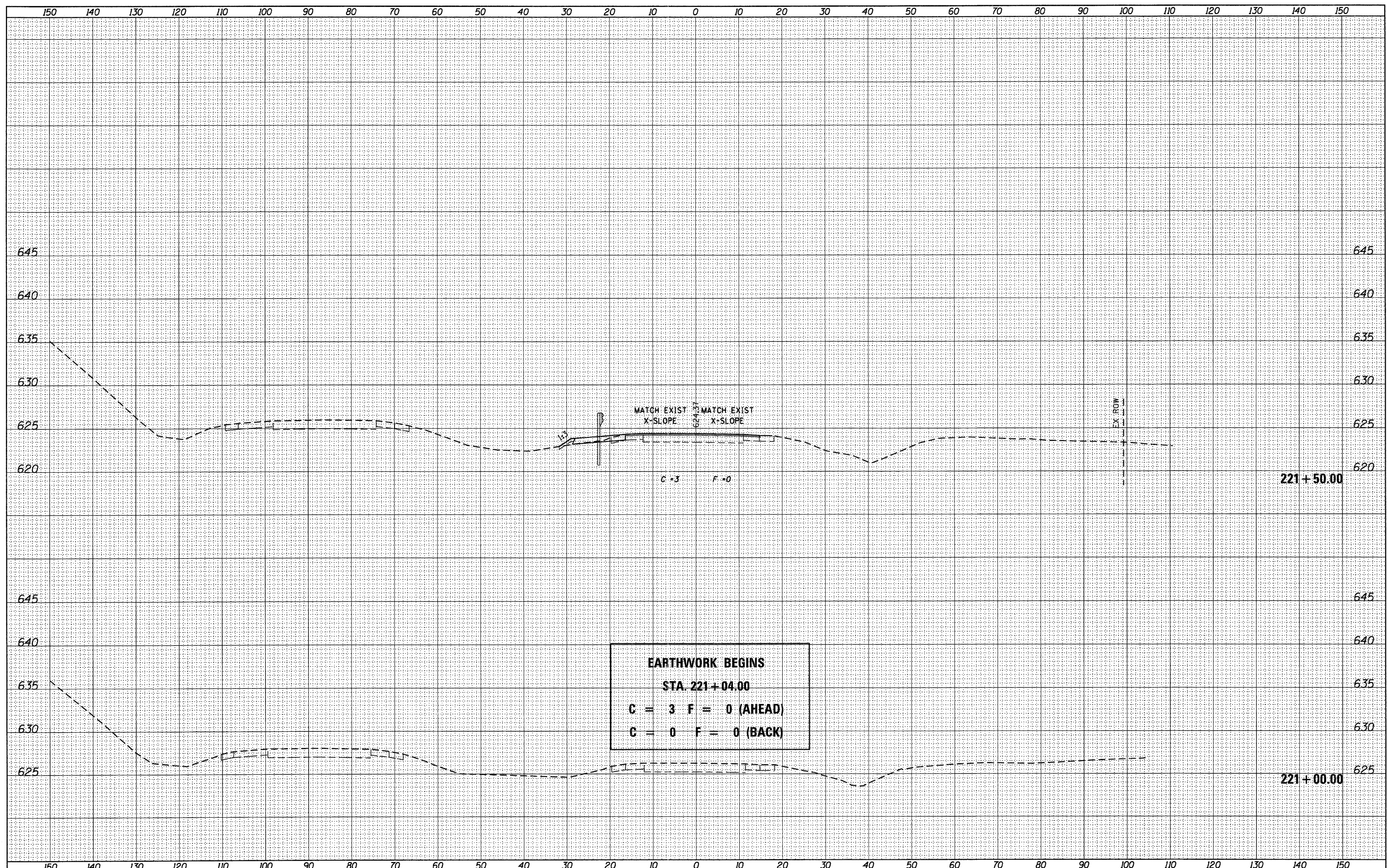
AUG 25 1961

BORING DATA  
SINSINAWA RIVER  
S.B.I. Rt. 5 Sec 45-B  
JO DAVIESS COUNTY  
STA. 468+35



FINAL SURVEY	REVISED	DATE
NOTE BOOK	DTED	
NO.	AREAS	CHECKED

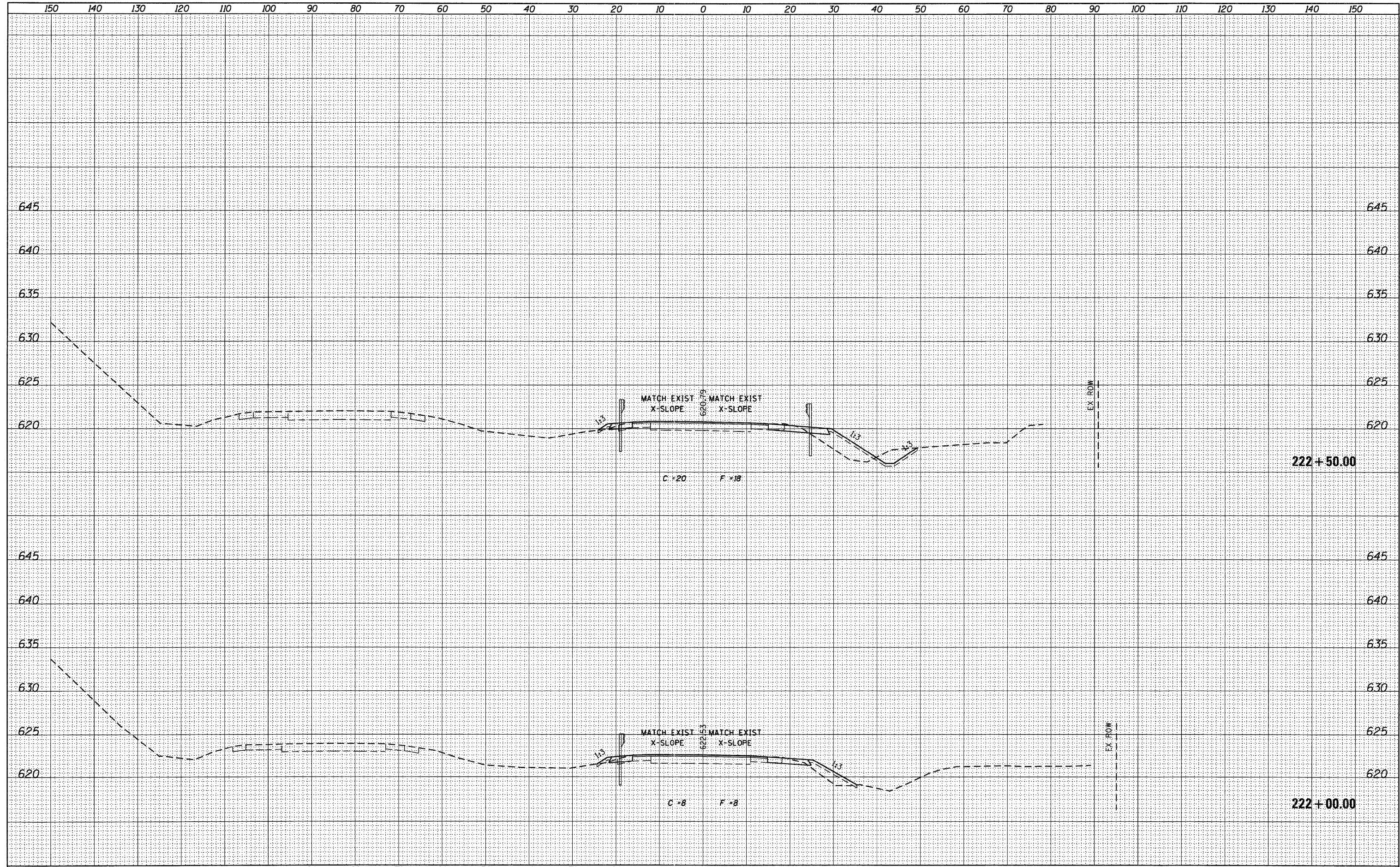
ORIGINAL SURVEY	REVISED	DATE
NOTE BOOK	DTED	
NO.	AREAS	CHECKED



USER NAME = g.jameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>US 20 CROSS SECTIONS</b> <b>SN 043-0002</b>			F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 233
FILE NAME = Z203207-EB002-xssht.dgn	CHECKED -	REVISED -						SCALE: 1" = 10'	SHEET NO. OF SHEETS	STA. 221+00.00 TO STA. 221+50.00	CONTRACT NO. 64C94	
PLOT DATE = 12/6/2011	DRAWN -	REVISED -			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			ILLINOIS FED. AID PROJECT				
PLOT TIME = 10:19:40 AM	CHECKED -	REVISED -										

FINAL SURVEY	CHECKED	DATE
NOTE BOOK	PLotted	
NO.	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	CHECKED	DATE
NOTE BOOK	PLotted	
NO.	TEMPLATE	
	AREAS	
	CHECKED	



USER NAME = g_jameson	DESIGNED -	REVISIED -
FILE NAME = Z203207-EB002-xssht.dgn	CHECKED -	REVISIED -
PLOT DATE = 12/6/2011	DRAWN -	REVISIED -
PLOT TIME = 10:19:40 AM	CHECKED -	REVISIED -

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

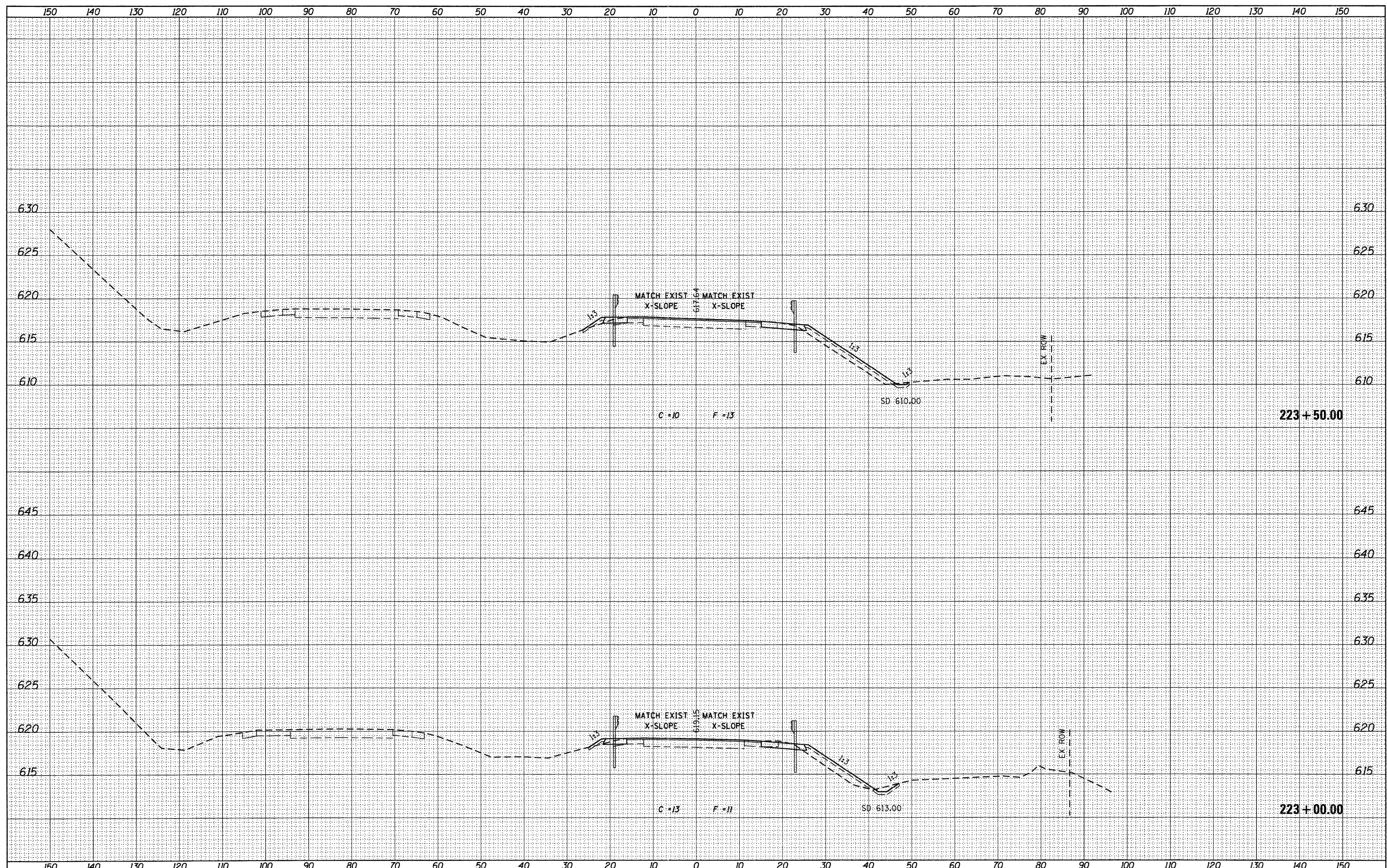
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0002**  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 222+00.00 TO STA. 222+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JODAVIESS	309	234
CONTRACT NO. 64C94			[ILLINOIS] FED. AID PROJECT	

FINAL SURVEY	BY	DATE
REVISED		
PLotted		
NOTE BOOK		
AREAS CHECKED		
NO.		

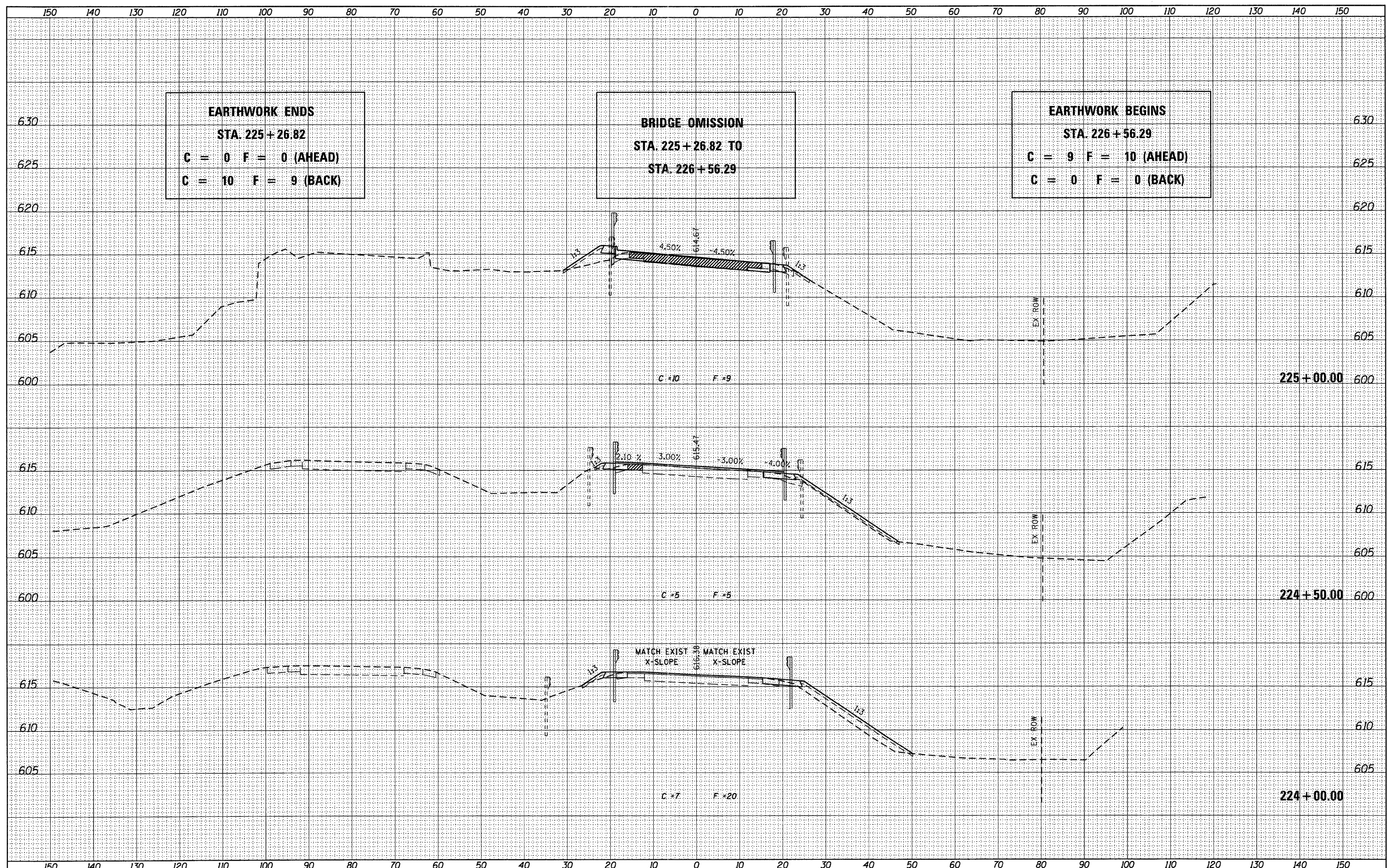
ORIGINAL SURVEY	BY	DATE
REVISED		
PLotted		
NOTE BOOK		
AREAS CHECKED		
NO.		



USER NAME = g_jameson	DESIGNED -	REVISIED -	 1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>US 20 CROSS SECTIONS</b> <b>SN 043-0002</b>		F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 235			
FILE NAME = Z203207-EB002-xssht.dgn	CHECKED -	REVISIED -					SCALE: 1" = 10'		SHEET NO. OF SHEETS STA. 223+00.00 TO STA. 223+50.00		CONTRACT NO. 64C94			
PLOT DATE = 12/6/2011	DRAWN -	REVISIED -					ILLINOIS FED. AID PROJECT							
PLOT TIME = 10:19:41 AM	CHECKED -	REVISIED -												

FINAL SURVEY	REVIEWED	DATE
NOTE BOOK	DRAWN	
NO.	CHECKED	

ORIGINAL SURVEY	REVIEWED	DATE
NOTE BOOK	DRAWN	
NO.	CHECKED	



**EARTHWORK ENDS**  
**STA. 225+26.82**  
**C = 0 F = 0 (AHEAD)**  
**C = 10 F = 9 (BACK)**

**BRIDGE OMISSION**  
**STA. 225+26.82 TO**  
**STA. 226+56.29**

**EARTHWORK BEGINS**  
**STA. 226+56.29**  
**C = 9 F = 10 (AHEAD)**  
**C = 0 F = 0 (BACK)**

USER NAME = g_jameson	DESIGNED -	REVISIONS
FILE NAME = 2203207-EB002-xssht.dgn	CHECKED -	REVISIONS
PLOT DATE = 12/6/2011	DRAWN -	REVISIONS
PLOT TIME = 10:19:42 AM	CHECKED -	REVISIONS

**WHKS & co.**  
**ENGINEERING**  
 1701 ROUTE 35 NORTH  
 EAST DUBUQUE, IL 61025  
 (815) 747-8833  
 DESIGN FIRM #184001036

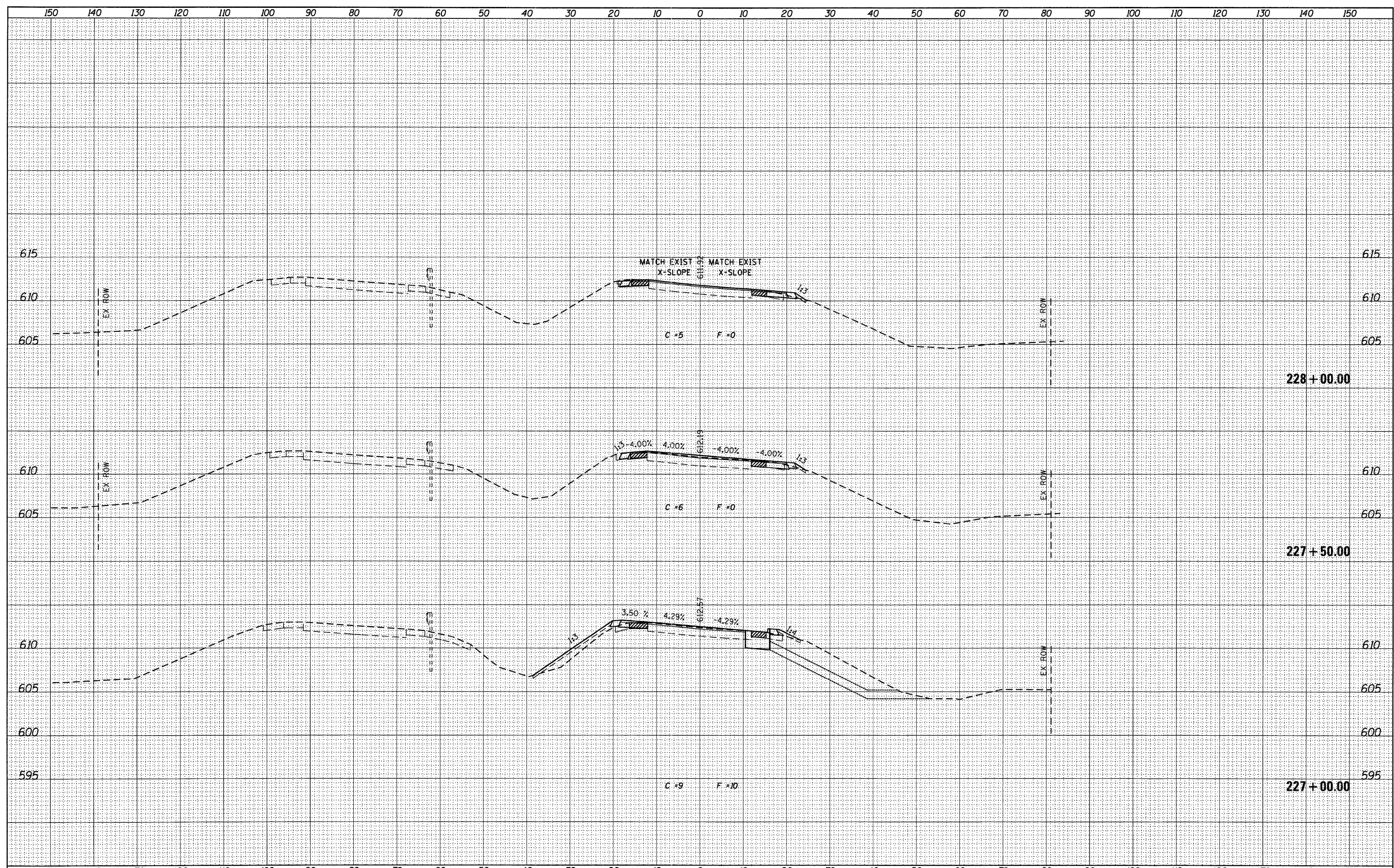
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0002**  
 SCALE: 1" = 10'  
 SHEET NO. OF SHEETS STA. 224+00.00 TO STA. 225+00.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 236
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

FINAL	THICKED	DATE
SURVEY	JTTED	
NOTE BOOK	TEMPLATE	
AREAS	AREAS	
CHECKED	CHECKED	
NO.	NO.	

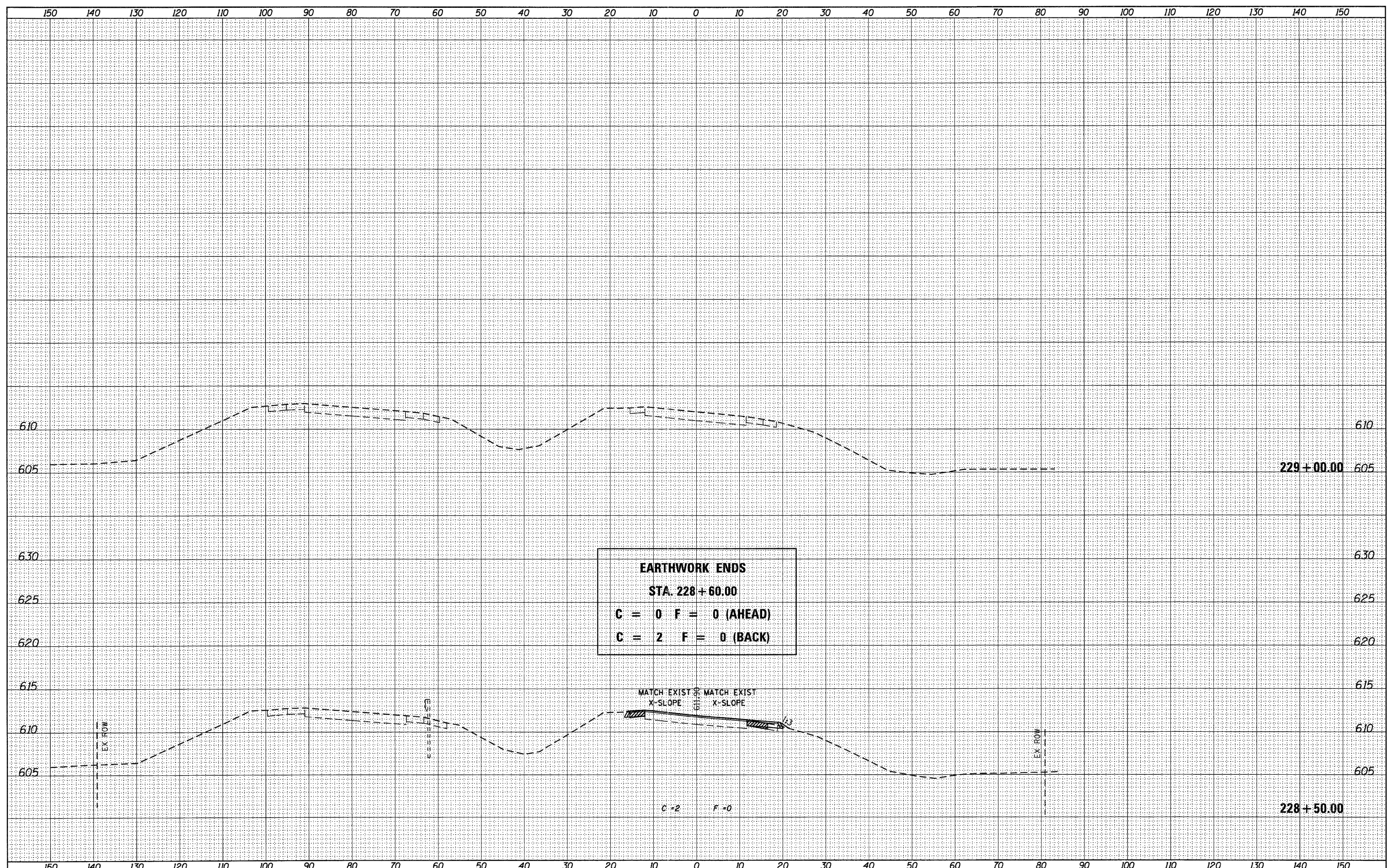
ORIGINAL	SURVEYED	DATE
SURVEY	PLOTTED	
NOTE BOOK	TEMPLATE	
AREAS	AREAS	
CHECKED	CHECKED	
NO.	NO.	



USER NAME = g_jameson FILE NAME = Z203207-EB002-xssh.t.dgn PLOT DATE = 12/6/2011 PLOT TIME = 10:19:43 AM	DESIGNED - CHECKED - DRAWN - CHECKED -	REVISED - REVISED - REVISED - REVISED -	<b>WHKS &amp; CO.</b> <b>ENGINEERING</b> 1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>US 20 CROSS SECTIONS</b> <b>SN 043-0002</b> SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 227+00.00 TO STA. 228+00.00	F.A.P. RTE. 301 SECTION (43B,44B,44HB,45B)D COUNTY JODAVIESS CONTRACT NO. 64C94	TOTAL SHEETS 309 SHEET NO. 237 ILLINOIS FED. AID PROJECT
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FINAL SURVEY	CHECKED	DATE
NOTE BOOK	FILED	
NO.	AREAS	
	CHECKED	

ORIGINAL SURVEY	CHECKED	DATE
NOTE BOOK	FILED	
NO.	AREAS	
	CHECKED	



**EARTHWORK ENDS**  
**STA. 228+60.00**  
**C = 0 F = 0 (AHEAD)**  
**C = 2 F = 0 (BACK)**

USER NAME = g_jameson	DESIGNED -	REVISD -
FILE NAME = Z283207-EB002-xssh.dgn	CHECKED -	REVISD -
PLOT DATE = 12/6/2011	DRAWN -	REVISD -
PLOT TIME = 10:19:43 AM	CHECKED -	REVISD -

**WHKS & CO.**  
**ENGINEERING**  
 1701 ROUTE 35 NORTH  
 EAST DUBUQUE, IL 61025  
 (815) 747-8833  
 DESIGN FIRM #184001036

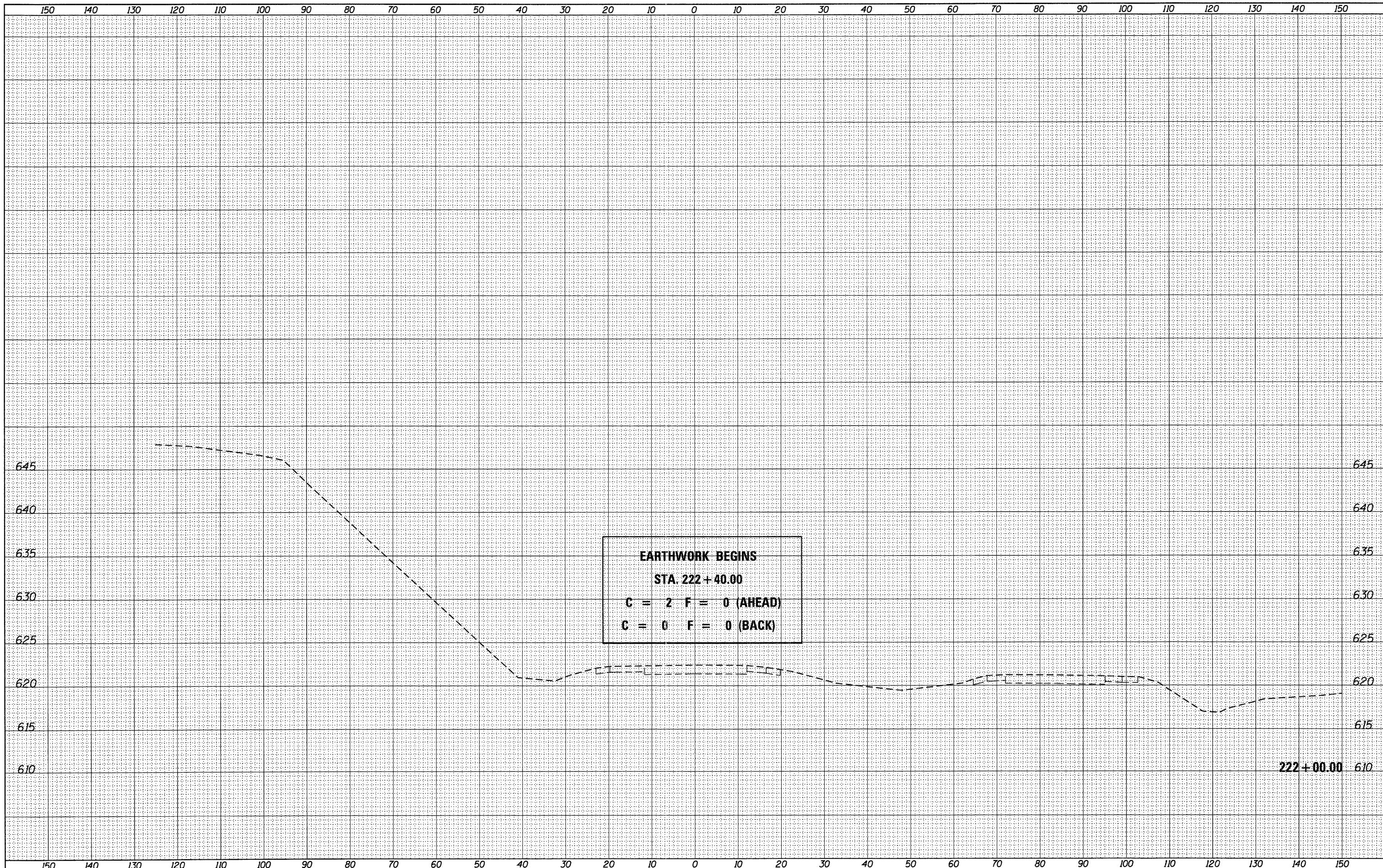
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0002**  
 SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 228+50.00 TO STA. 229+00.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 238
CONTRACT NO. 64C94			[ILLINOIS] FED. AID PROJECT	

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

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



USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = 2203207-WB003-xssh.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:19:44 AM	CHECKED -	REVISED -

DESIGNED -	REVISED -
CHECKED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -

**WHKS & CO.**  
ENGINEERING

1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

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

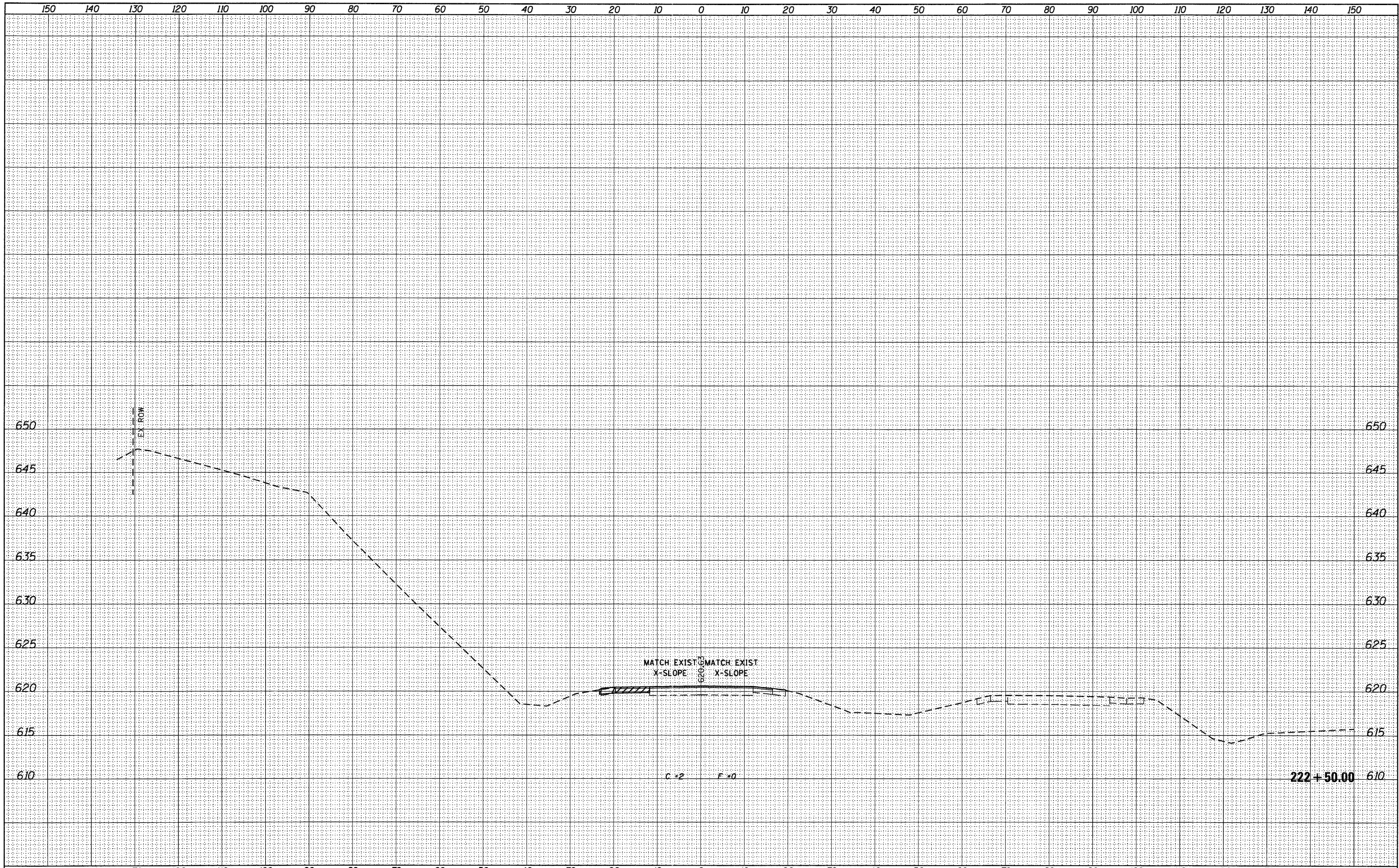
**US 20 CROSS SECTIONS**  
**SN 043-0003**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 222+00.00 TO STA. 222+00.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 239
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	CHECKED	DATE
NOTE BOOK	BY	
NO.		

ORIGINAL SURVEY	CHECKED	DATE
NOTE BOOK	BY	
NO.		



USER NAME = g_jameson	DESIGNED -	REVISIED -
FILE NAME = Z203207-W8003-xssht.dgn	CHECKED -	REVISIED -
PLOT DATE = 12/6/2011	DRAWN -	REVISIED -
PLOT TIME = 10:19:45 AM	CHECKED -	REVISIED -

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

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

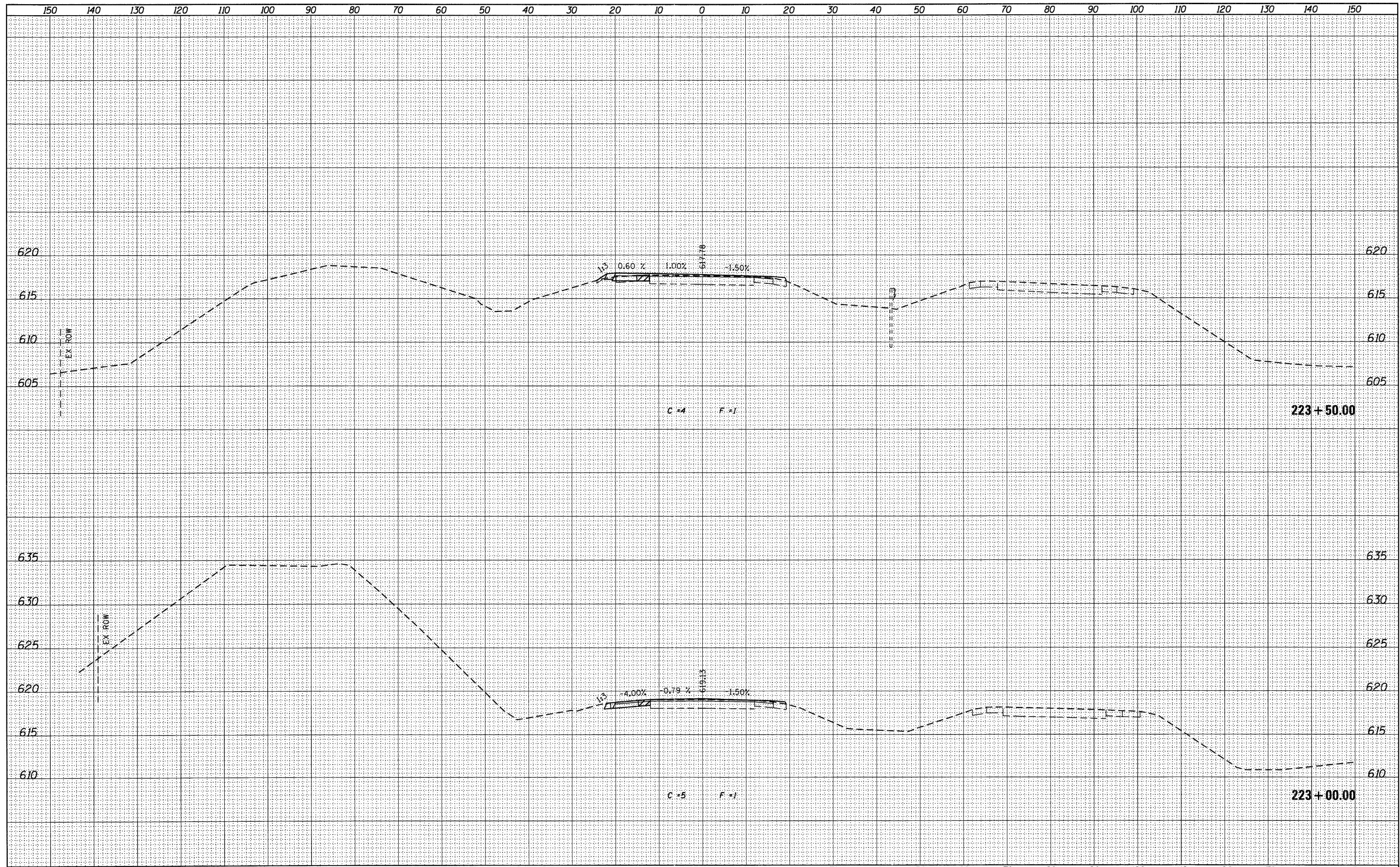
**US 20 CROSS SECTIONS**  
**SN 043-0003**  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 222+50.00 TO STA. 222+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JODAVIESS	309	240
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	



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

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



USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = Z203207-WB003-xssht.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:19:46 AM	CHECKED -	REVISED -

**WHKS & co.**  
 ENGINEERING  
 1701 ROUTE 35 NORTH  
 EAST DUBUQUE, IL 61025  
 (815) 747-8833  
 DESIGN FIRM #184001036

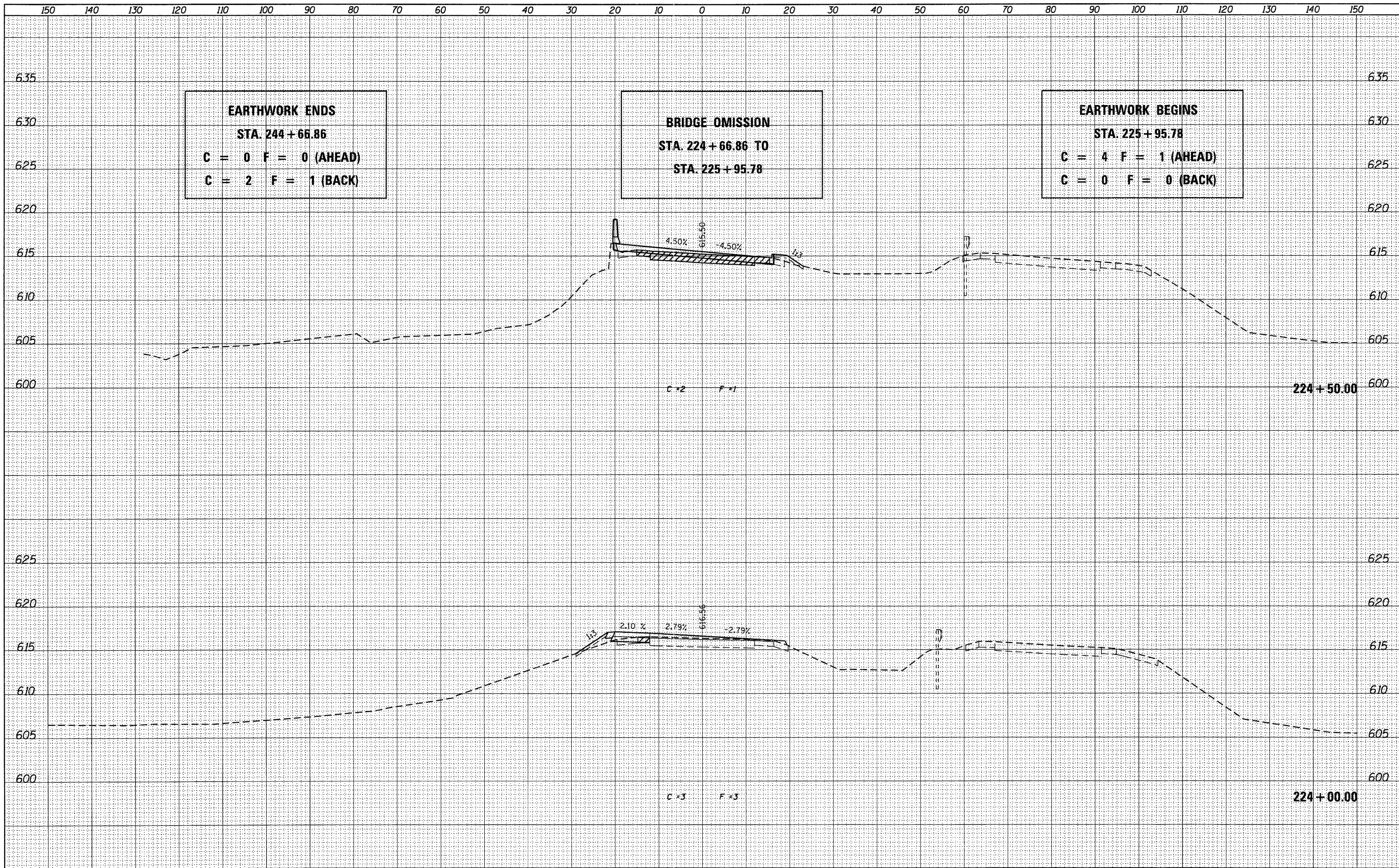
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0003**  
 SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 223+00.00 TO STA. 223+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JODAVIESS	309	241
CONTRACT NO. 64C94				
[ILLINOIS] FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	UNREVIEWED
NOTE BOOK	LOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	UNREVIEWED
NOTE BOOK	LOTTED
NO.	TEMPLATE
	AREAS CHECKED



**EARTHWORK ENDS**  
**STA. 244 + 66.86**  
**C = 0 F = 0 (AHEAD)**  
**C = 2 F = 1 (BACK)**

**BRIDGE OMISSION**  
**STA. 224 + 66.86 TO**  
**STA. 225 + 95.78**

**EARTHWORK BEGINS**  
**STA. 225 + 95.78**  
**C = 4 F = 1 (AHEAD)**  
**C = 0 F = 0 (BACK)**

USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = 2203207-WB003-ssht.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:19:46 AM	CHECKED -	REVISED -

**WHKS & CO.**  
**ENGINEERING**  
 1701 ROUTE 35 NORTH  
 EAST DUBUQUE, IL 61025  
 (815) 747-8833  
 DESIGN FIRM #184001036

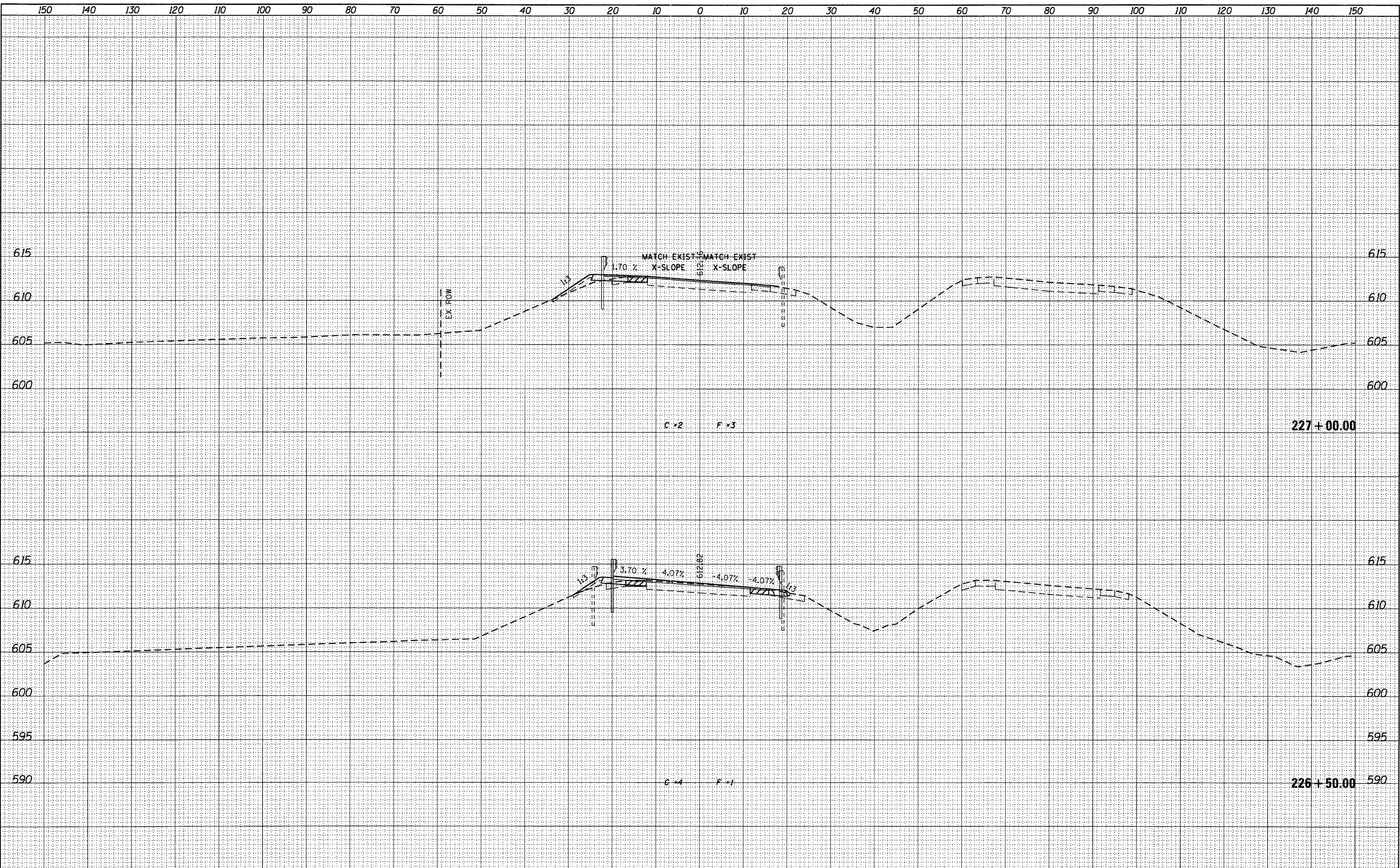
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0003**  
 SCALE: 1" = 10'  
 SHEET NO. OF SHEETS STA. 224+00.00 TO STA. 224+50.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 242
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	REVISED	DATE
NOTE BOOK	NOTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	

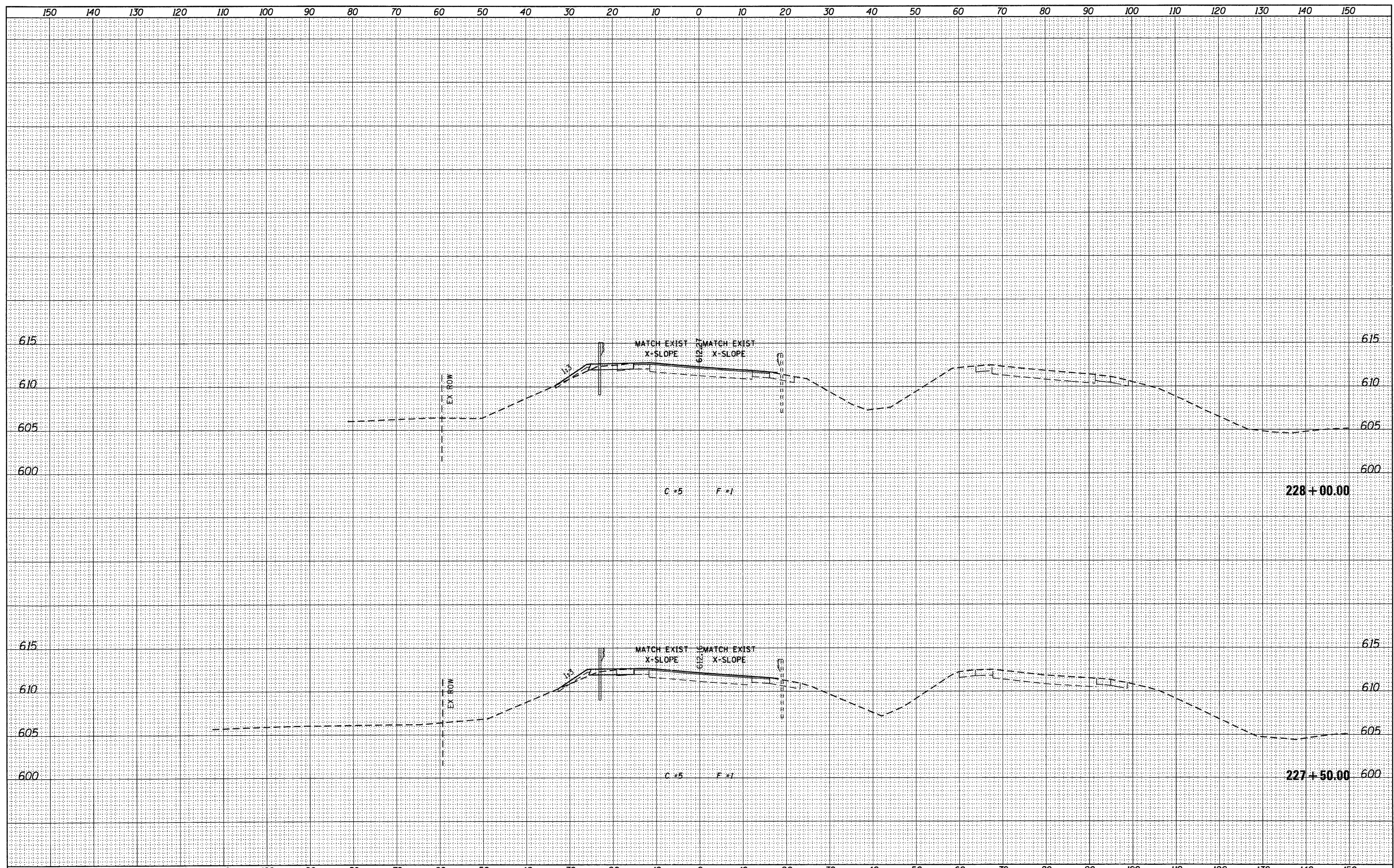
ORIGINAL SURVEY	DESIGNED	DATE
NOTE BOOK	CHECKED	
NO.	DRAWN	
	REVIS	
	REVIS	



USER NAME = g_jameson	DESIGNED -	REVIS		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>				<b>US 20 CROSS SECTIONS</b> <b>SN 043-0003</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = Z203207-WB003-xssht.dgn	CHECKED -	REVIS							301	(43B,44B,44HB,45B)D	JODAVIESS	309	243				
PLOT DATE = 12/6/2011	DRAWN -	REVIS			SCALE: 1" = 10'    SHEET NO. OF SHEETS    STA. 226+50.00 TO STA. 227+00.00				CONTRACT NO. 64C94								
PLOT TIME = 10:19:47 AM	CHECKED -	REVIS			[ILLINOIS] FED. AID PROJECT												

FINAL SURVEY	REVISED	DATE
NOTE BOOK	DOTTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	

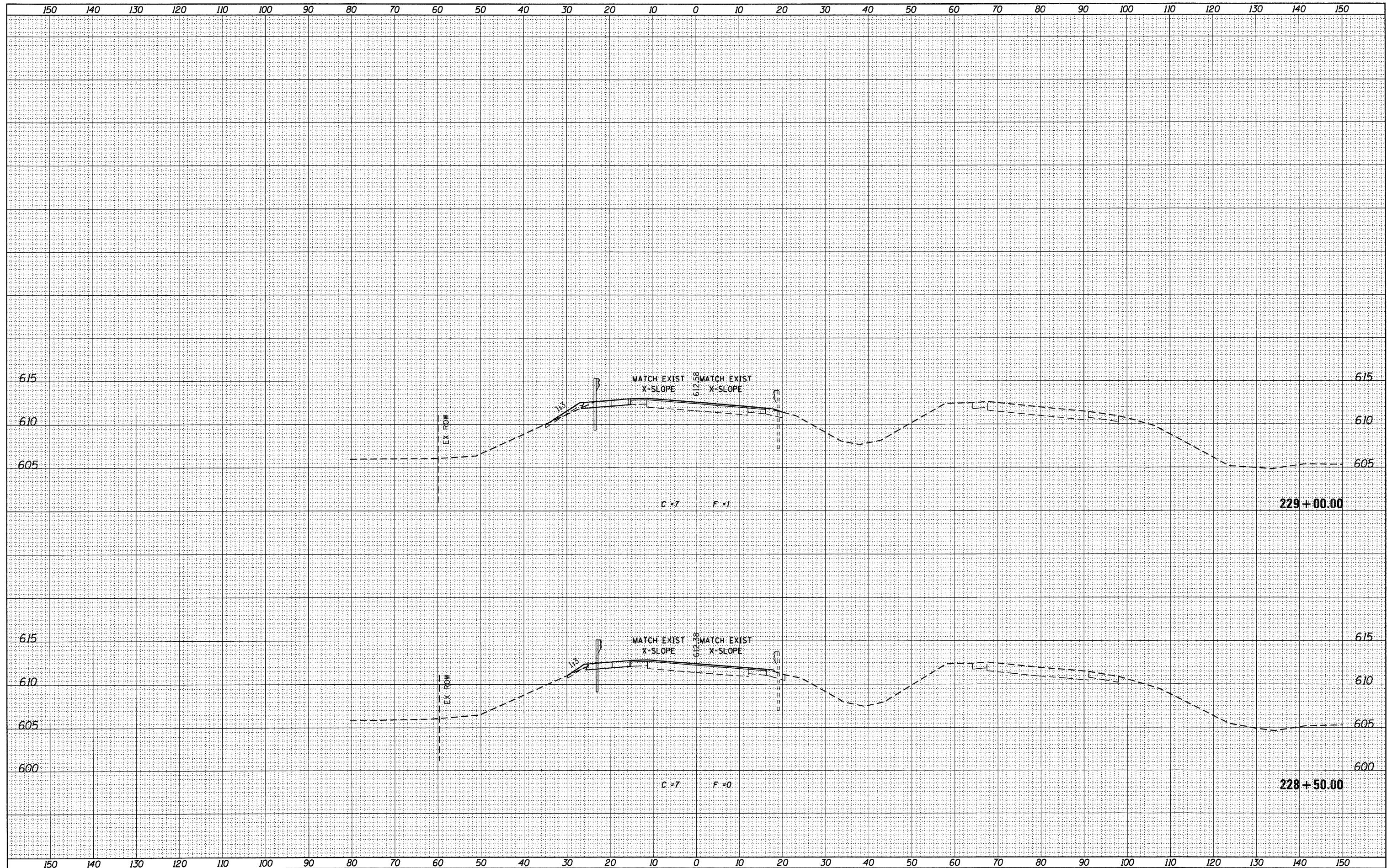
ORIGINAL SURVEY	REVISED	DATE
NOTE BOOK	DOTTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	



USER NAME = g_jameson FILE NAME = Z203207-WB003-xasht.dgn PLOT DATE = 12/6/2011 PLOT TIME = 10:19:48 AM	DESIGNED - CHECKED - DRAWN - CHECKED -	REVISED - REVISED - REVISED - REVISED -	<b>WHKS &amp; CO.</b> <b>ENGINEERING</b> 1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>US 20 CROSS SECTIONS</b> <b>SN 043-0003</b> SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 227+50.00 TO STA. 228+00.00	F.A.P. RTE. 301 SECTION (43B,44B,44HB,45B)D COUNTY JODAVIESS CONTRACT NO. 64C94	TOTAL SHEETS 309 SHEET NO. 244 ILLINOIS FED. AID PROJECT
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DATE	
BY	
DESIGNED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

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



USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = Z283207-WB0003-washt.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:19:48 AM	CHECKED -	REVISED -

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

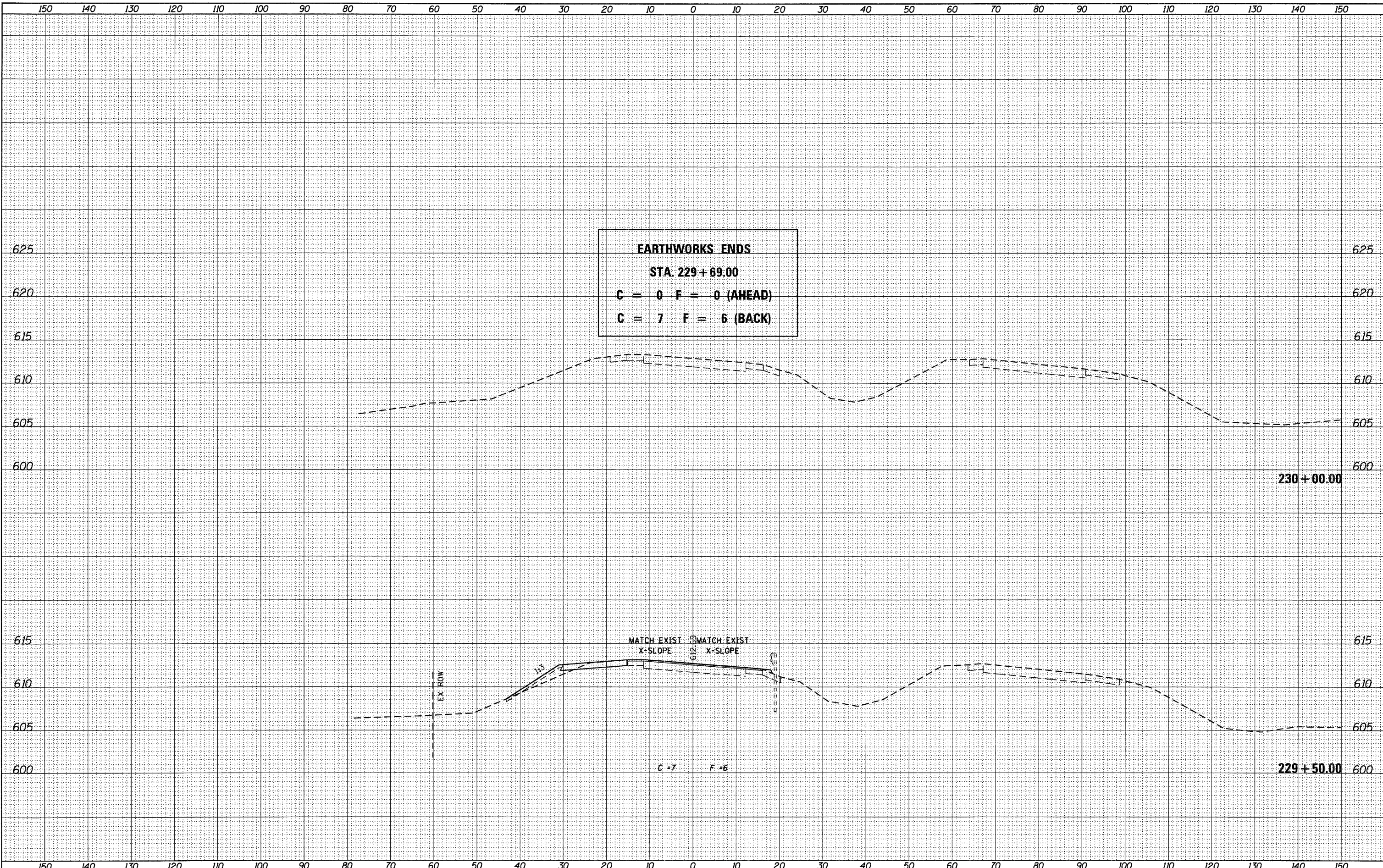
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0003**  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 228+50.00 TO STA. 229+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JODAVIESS	309	245
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	REVIEWED	DATE
NOTE BOOK	NOTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	REVIEWED	DATE
NOTE BOOK	NOTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	



USER NAME = g_jameson	DESIGNED -	REVISIONS
FILE NAME = Z283287-WB003-xsshL.dgn	CHECKED -	REVISIONS
PLOT DATE = 12/6/2011	DRAWN -	REVISIONS
PLOT TIME = 10:19:49 AM	CHECKED -	REVISIONS

**WHKS & co.**  
**ENGINEERING**  
 1701 ROUTE 35 NORTH  
 EAST DUBUQUE, IL 61025  
 (815) 747-8833  
 DESIGN FIRM #184001036

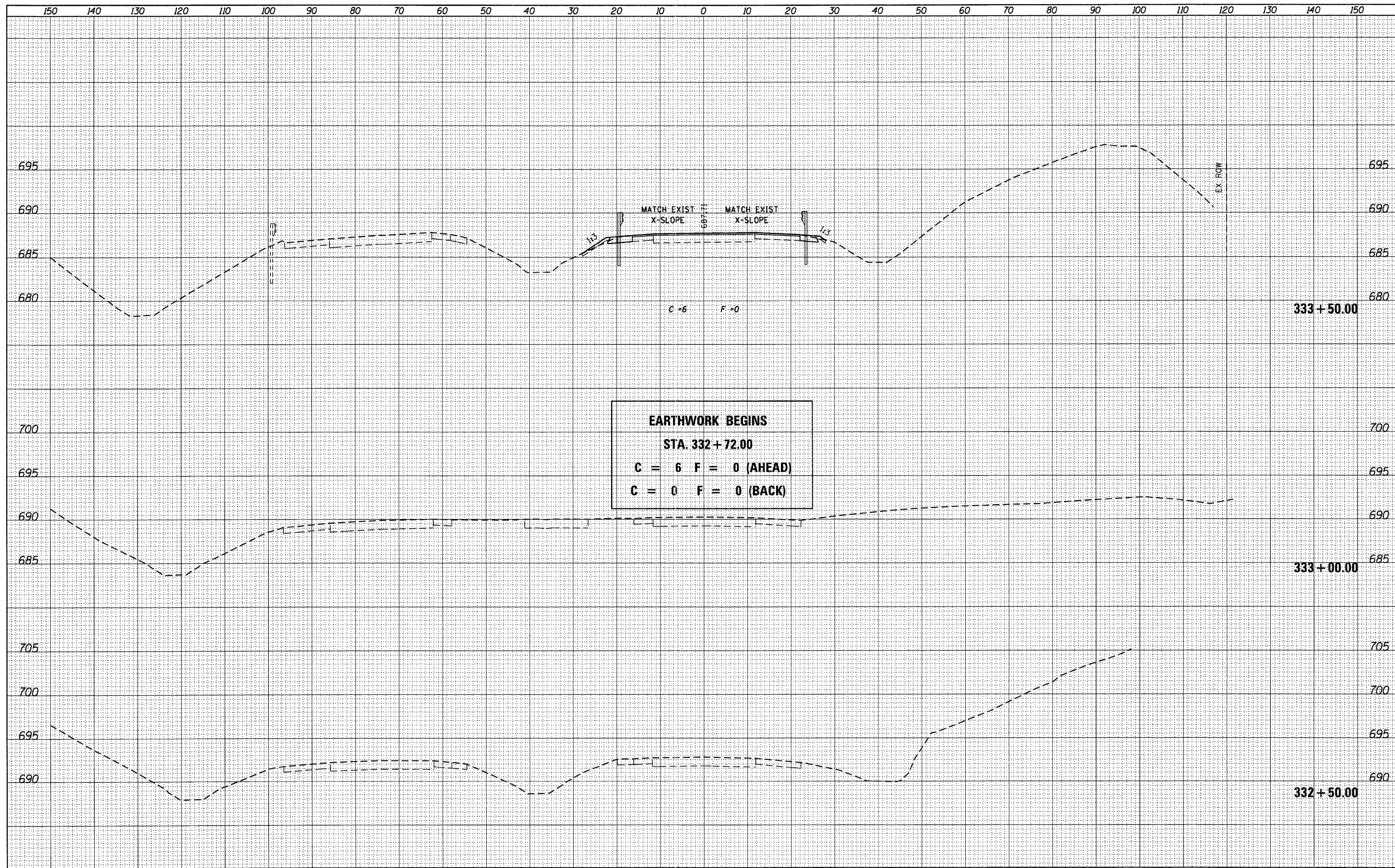
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0003**  
 SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 229+50.00 TO STA. 230+00.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 246
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

DATE	
BY	
REVIEWED	
NOTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
REVIEWED	
NOTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



USER NAME = g_jameson	DESIGNED -	REVISIED -
FILE NAME = 2203207-EB004-xssht.dgn	CHECKED -	REVISIED -
PLOT DATE = 12/6/2011	DRAWN -	REVISIED -
PLOT TIME = 10:19:50 AM	CHECKED -	REVISIED -

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

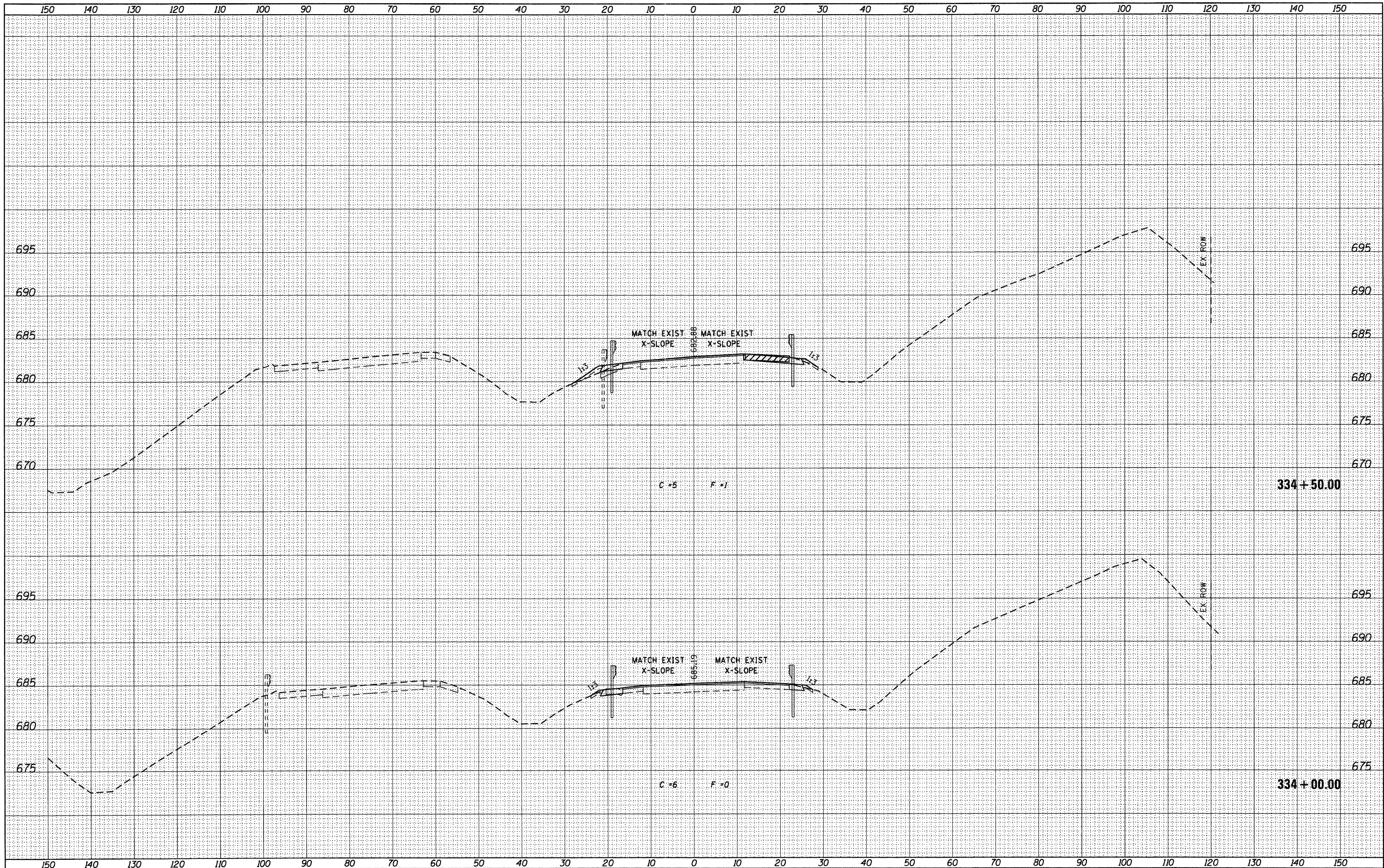
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0004**  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 332+50.00 TO STA. 333+50.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 247
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

DATE	
BY	
PRINTED	
SURVEY	
NOTED	
AREAS	
NO.	

DATE	
BY	
PRINTED	
SURVEY	
NOTED	
AREAS	
NO.	



USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = Z203207-EB004-vash.t.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:19:51 AM	CHECKED -	REVISED -

DESIGNED -	REVISED -
CHECKED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

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

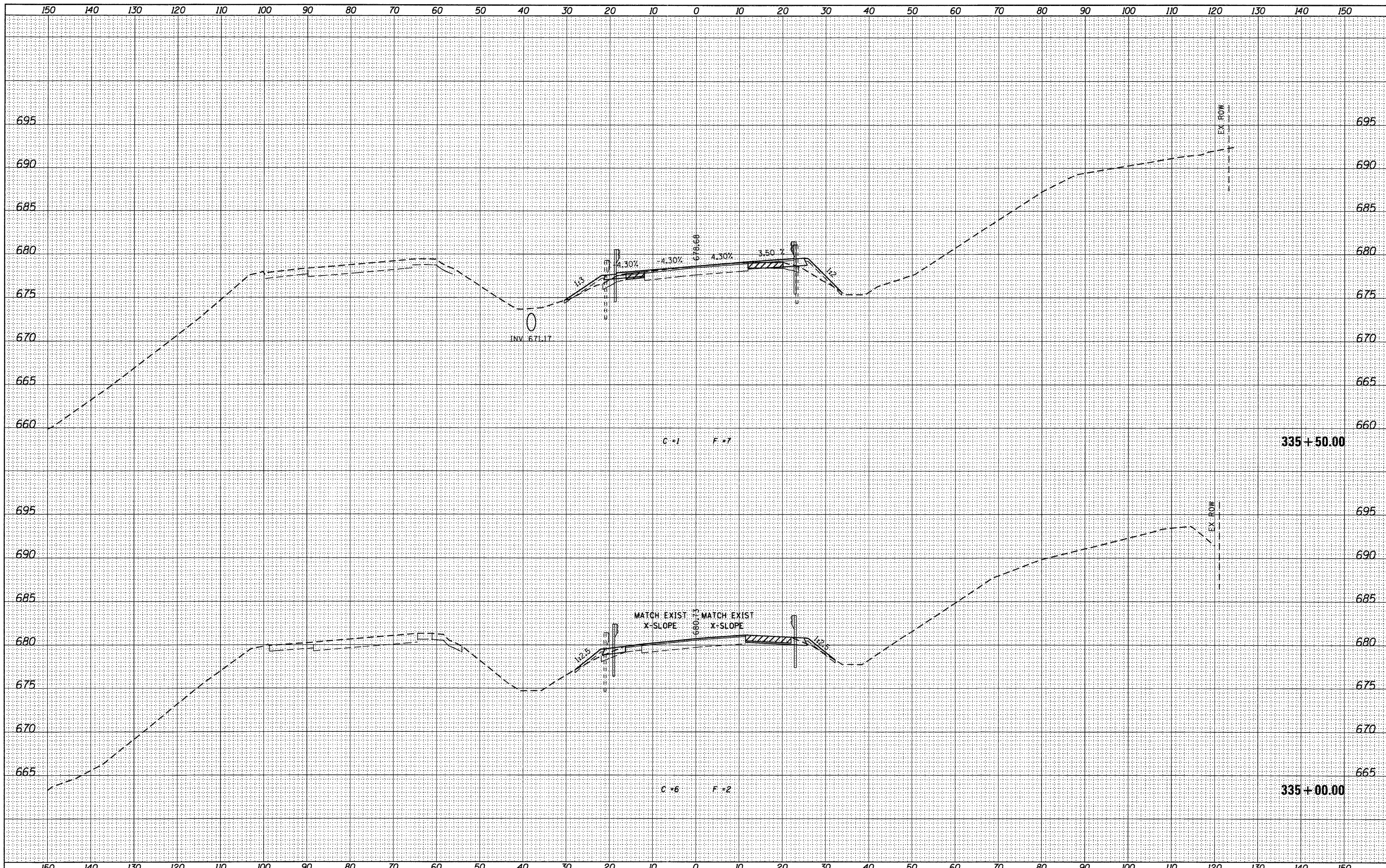
**US 20 CROSS SECTIONS**  
**SN 043-0004**  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 334+00.00 TO STA. 334+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JODAVIESS	309	248
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	



FINAL	DATE
SURVEY	BY
NOTED	
PLotted	
TEMPLATE	
AREAS	
CHECKED	
NO.	

ORIGINAL	DATE
SURVEY	BY
NOTED	
PLotted	
TEMPLATE	
AREAS	
CHECKED	
NO.	



USER NAME = g_jameson	DESIGNED -	REVISIED -
FILE NAME = Z203207-EB004-xssht.dgn	CHECKED -	REVISIED -
PLOT DATE = 12/6/2011	DRAWN -	REVISIED -
PLOT TIME = 10:19:51 AM	CHECKED -	REVISIED -

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

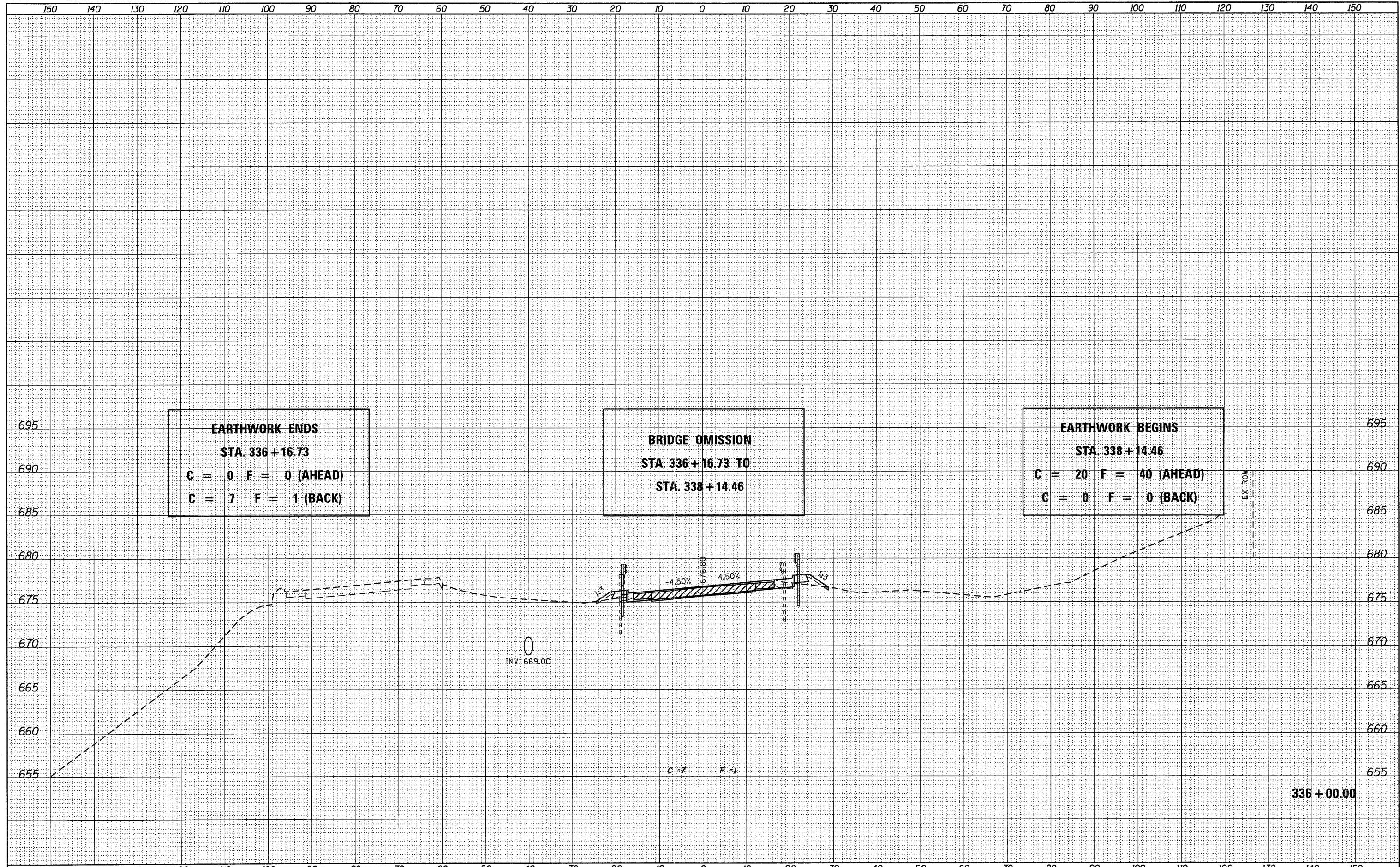
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0004**  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 335+00.00 TO STA. 335+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JODAVIESS	309	249
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

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

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



**EARTHWORK ENDS**  
**STA. 336 + 16.73**  
**C = 0 F = 0 (AHEAD)**  
**C = 7 F = 1 (BACK)**

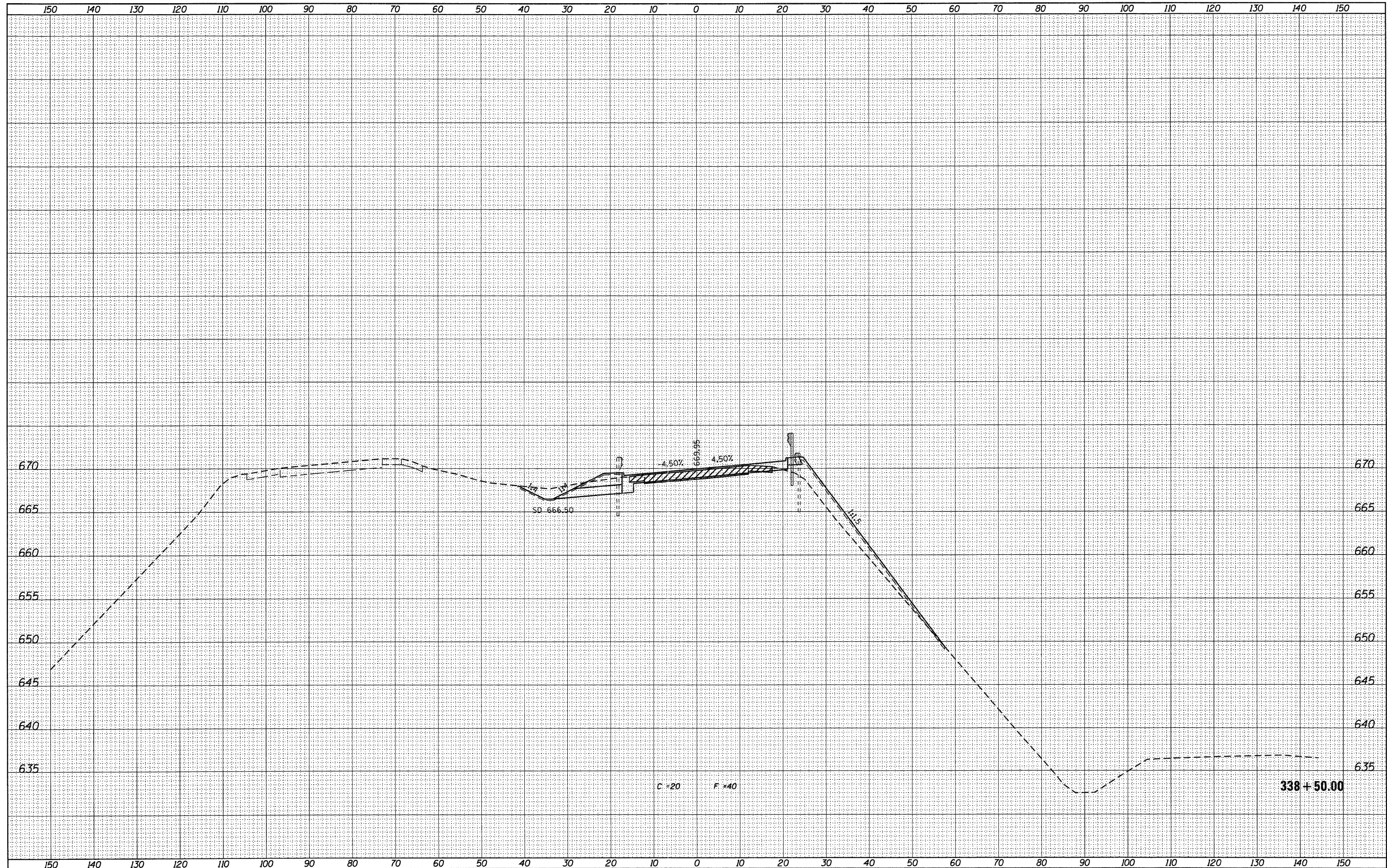
**BRIDGE OMISSION**  
**STA. 336 + 16.73 TO**  
**STA. 338 + 14.46**

**EARTHWORK BEGINS**  
**STA. 338 + 14.46**  
**C = 20 F = 40 (AHEAD)**  
**C = 0 F = 0 (BACK)**

USER NAME = g_jameson	DESIGNED -	REVISOR -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001038	<b>US 20 CROSS SECTIONS</b> <b>SN 043-0004</b>				F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 250	
FILE NAME = Z203207-EB004-xasht.dgn	CHECKED -	REVISOR -							SCALE: 1" = 10'	SHEET NO.	OF	SHEETS	STA. 336+00.00 TO STA. 336+00.00	CONTRACT NO. 64C94
PLOT DATE = 12/6/2011	DRAWN -	REVISOR -			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				ILLINOIS FED. AID PROJECT					
PLOT TIME = 10:19:52 AM	CHECKED -	REVISOR -												

FINAL SURVEY	REVISED	DATE
NOTE BOOK	LOTTED	
NO.	AREAS	
	CHECKED	

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
NO.		



USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = 2203207-EB004-kash.t.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:19:53 AM	CHECKED -	REVISED -

DESIGNED -	REVISED -
CHECKED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

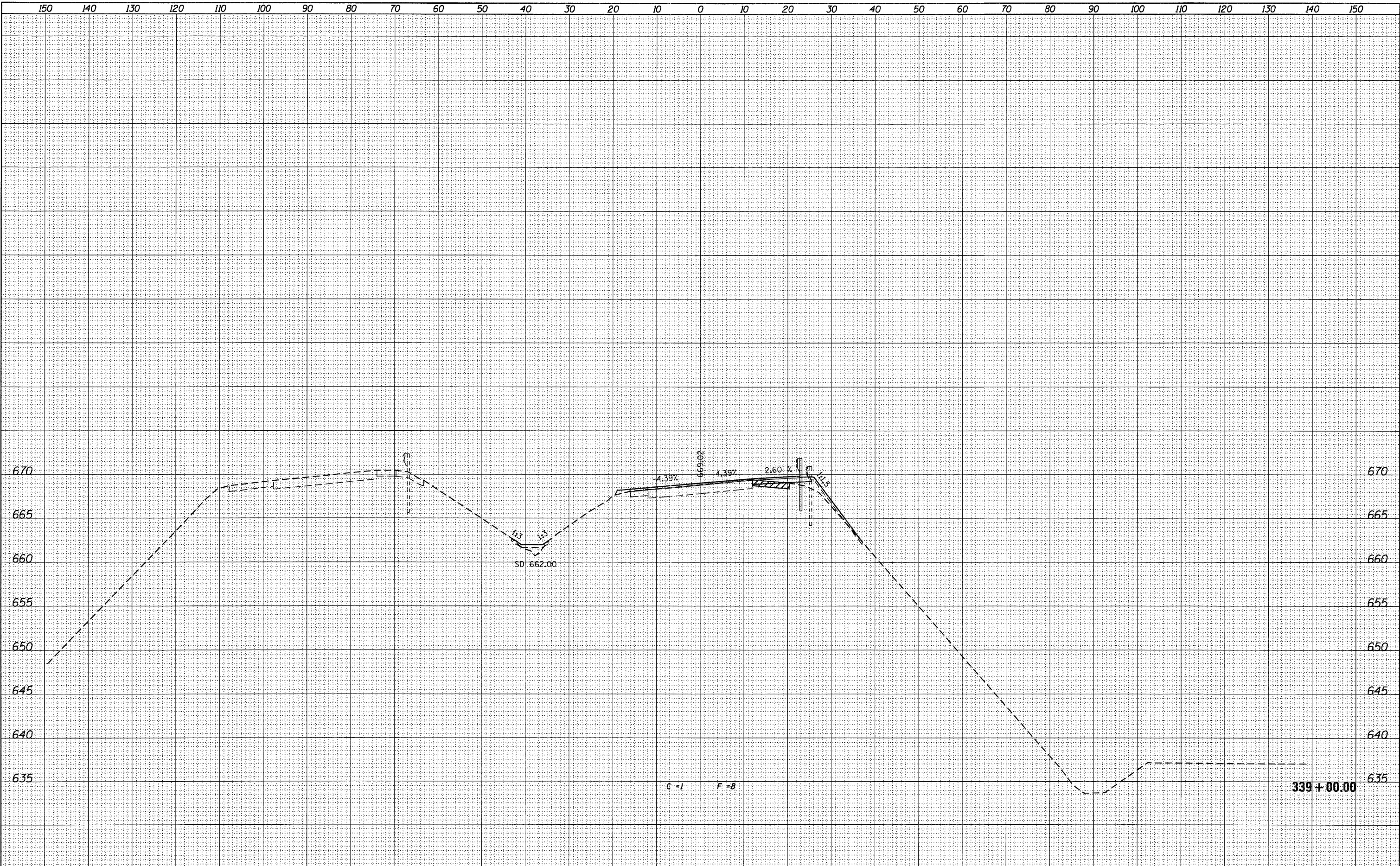
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0004**  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 338+50.00 TO STA. 338+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JODAVIESS	309	251
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

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

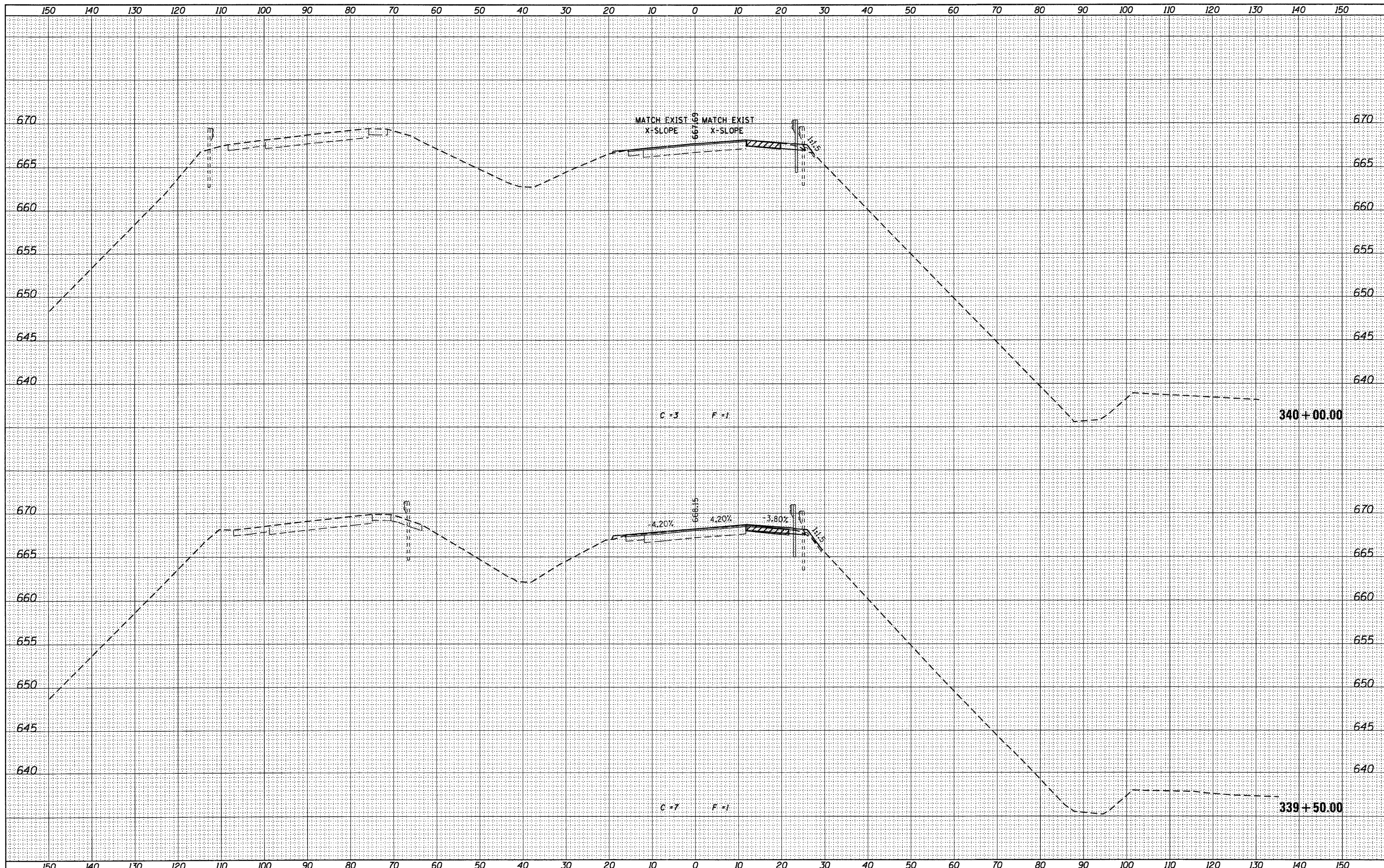
ORIGINAL SURVEY	REVISED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	



USER NAME = g_jameson FILE NAME = Z203207-EB004-xssht.dgn PLOT DATE = 12/6/2011 PLOT TIME = 10:19:53 AM	DESIGNED - CHECKED - DRAWN - CHECKED -	REVISED - REVISED - REVISED - REVISED -	<b>WHKS &amp; CO.</b> <b>ENGINEERING</b> 1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>US 20 CROSS SECTIONS</b> <b>SN 043-0004</b> SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 339+00.00 TO STA. 339+00.00	F.A.P. RTE. 301 SECTION (43B,44B,44HB,45B)D COUNTY JODAVIESS CONTRACT NO. 64C94	TOTAL SHEETS 309 SHEET NO. 252 ILLINOIS FED. AID PROJECT
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FINAL SURVEY	REVISED	DATE
NOTE BOOK	JOINED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	

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



USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = Z283287-EB0004-xssh.t.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:19:54 AM	CHECKED -	REVISED -

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

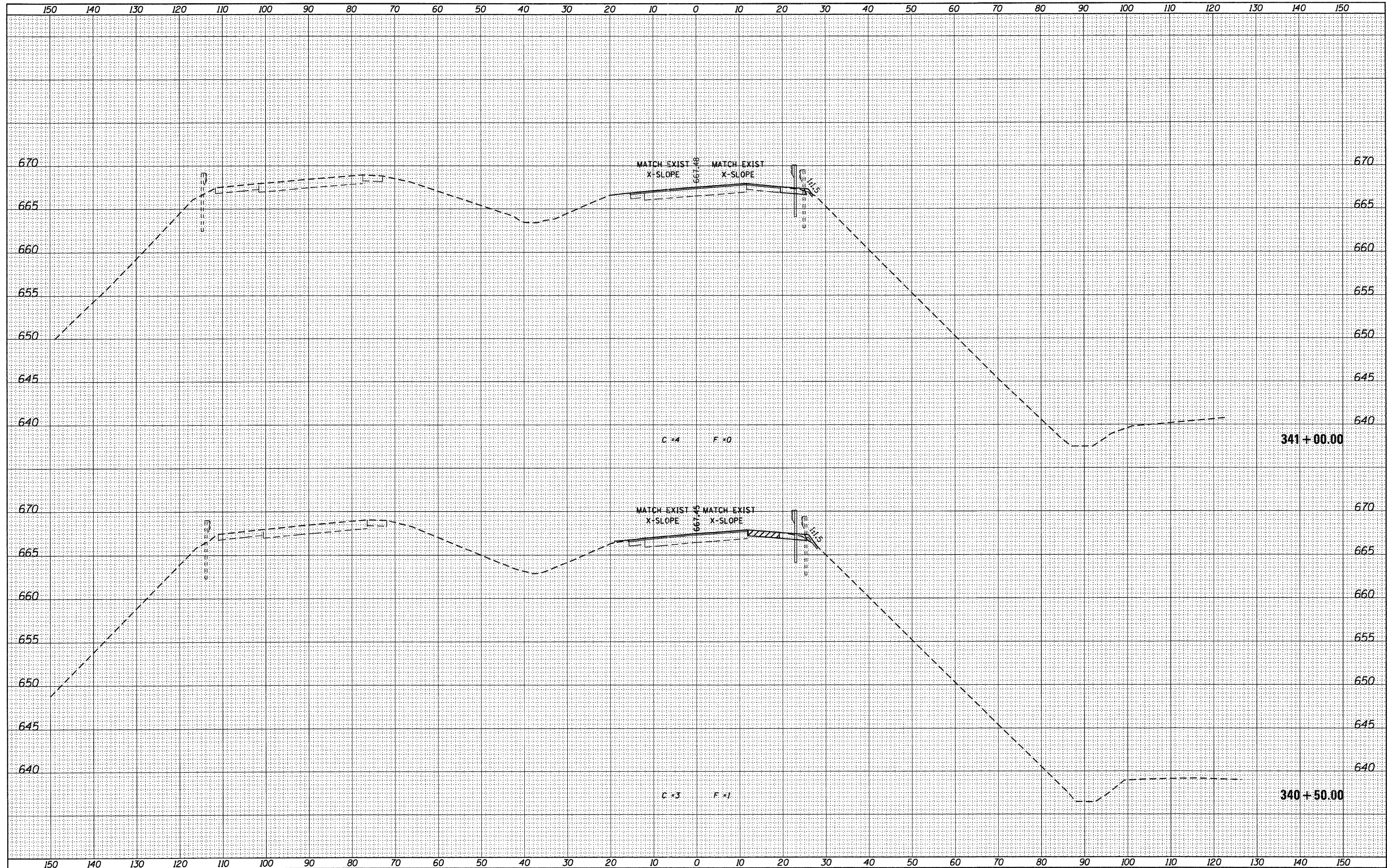
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0004**  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 339+50.00 TO STA. 340+00.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 253
			CONTRACT NO. 64C94	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	TURNED	DATE
NOTE BOOK	IN	
NO.	NO.	
AREAS	CHECKED	
TEMPLATE		
PLOTTED		

ORIGINAL SURVEY	TURNED	DATE
NOTE BOOK	IN	
NO.	NO.	
AREAS	CHECKED	
TEMPLATE		
PLOTTED		



USER NAME =	DESIGNED -	REVISED -
FILE NAME =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
PLOT TIME =	CHECKED -	REVISED -

DESIGNED -	REVISED -
CHECKED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

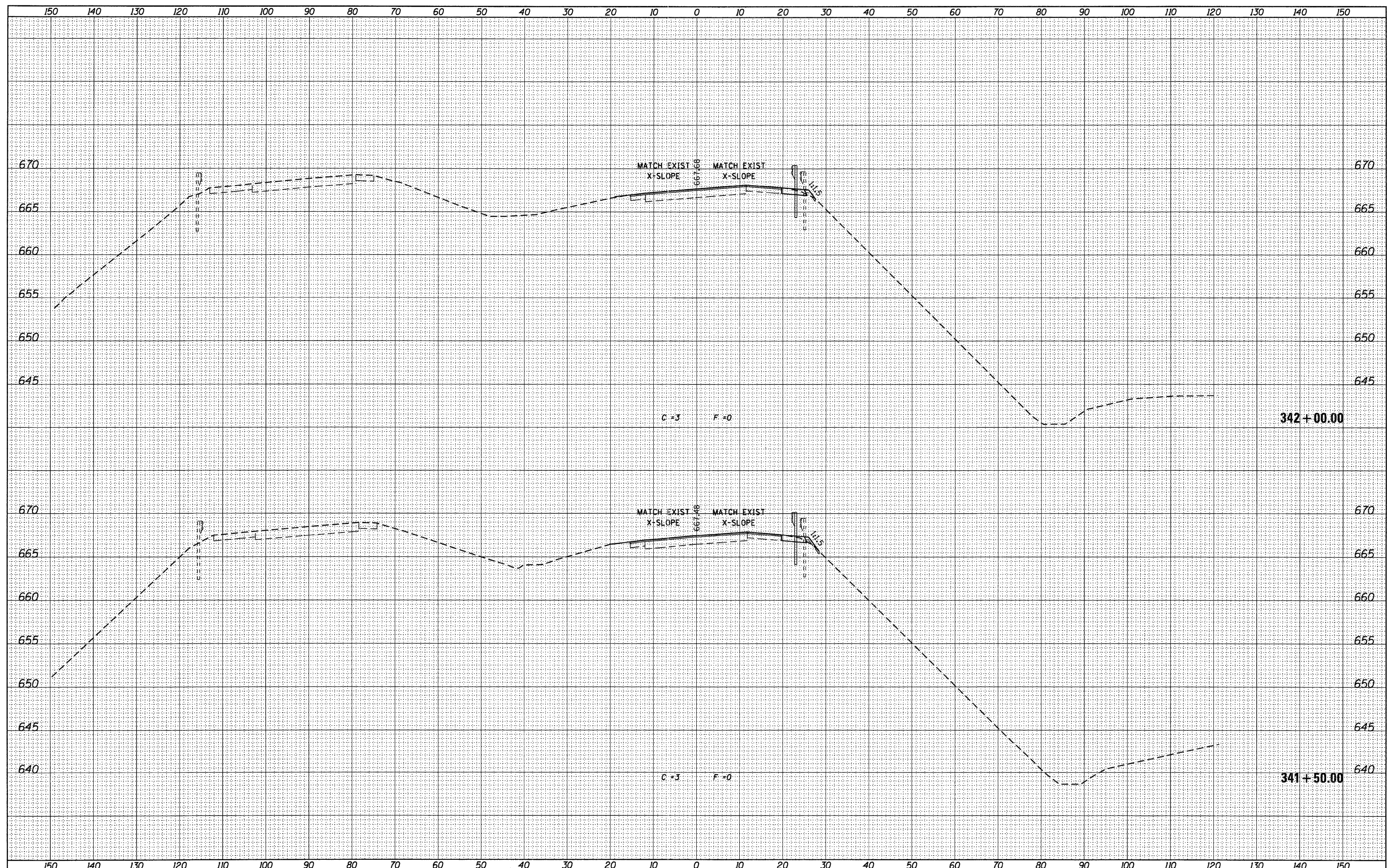
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0004**  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 340+50.00 TO STA. 341+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JODAVIESS	309	254
				CONTRACT NO. 64C94
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DESIGNED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	DESIGNED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



USER NAME = g_jameson	DESIGNED -	REVISIED -
FILE NAME = Z283207-EB004-vssht.dgn	CHECKED -	REVISIED -
PLOT DATE = 12/6/2011	DRAWN -	REVISIED -
PLOT TIME = 10:19:55 AM	CHECKED -	REVISIED -

DESIGNED -	REVISIED -
CHECKED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -

**WHKS & co.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

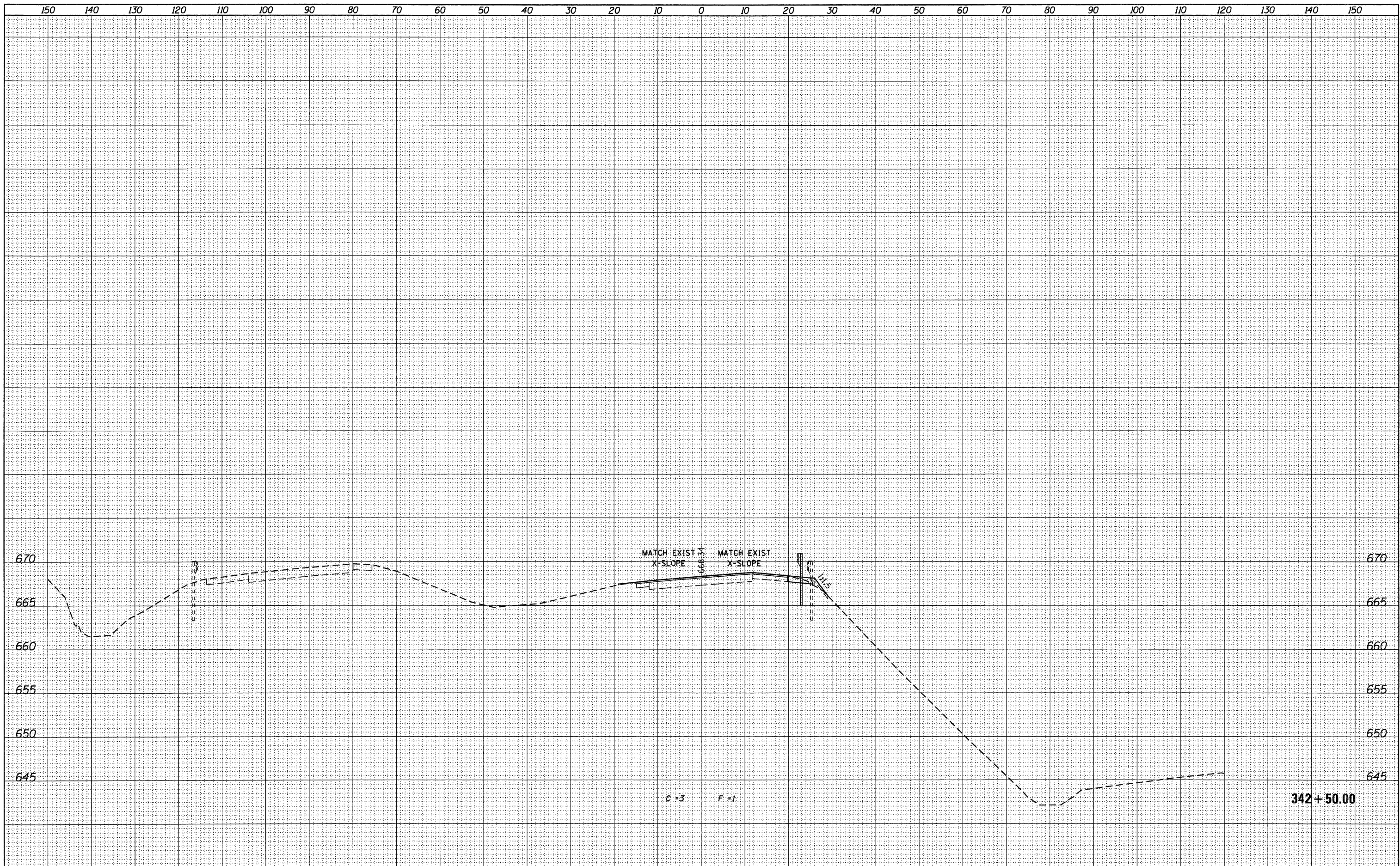
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0004**  
SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 341+50.00 TO STA. 342+00.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 255
CONTRACT NO. 64C94			[ILLINOIS] FED. AID PROJECT	

DATE	
BY	
NO.	
FINAL SURVEY	
LIBERATED	
NOTED	
TEMPLATE	
AREAS	
CHECKED	

DATE	
BY	
NO.	
ORIGINAL SURVEY	
LIBERATED	
NOTED	
TEMPLATE	
AREAS	
CHECKED	

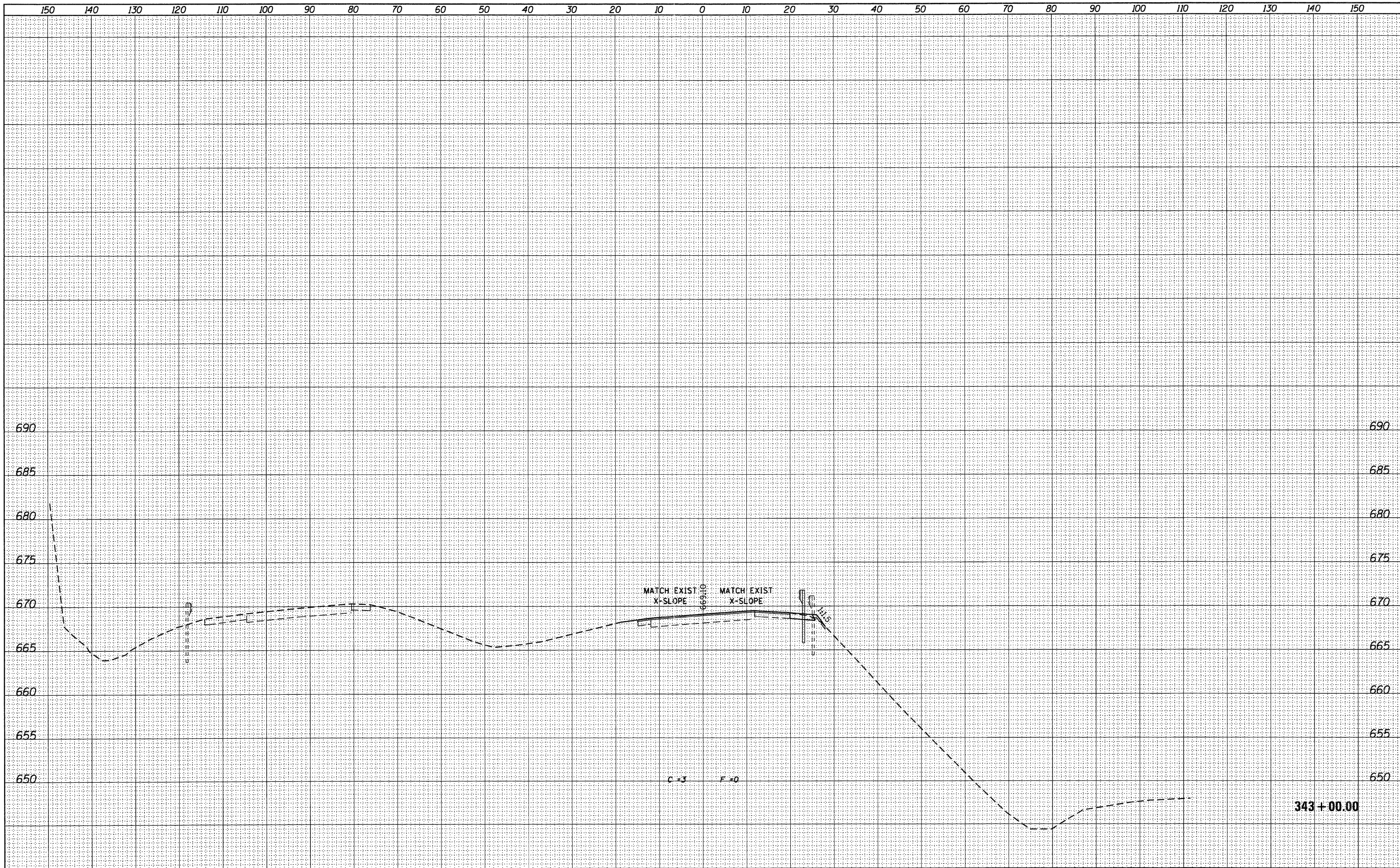


USER NAME = g_jameson	DESIGNED -	REVISIED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>				<b>US 20 CROSS SECTIONS</b> <b>SN 043-0004</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = Z283207-EB004-xesht.dgn	CHECKED -	REVISIED -			301	(43B,44B,44HB,45B)D	JODAVIESS	309	256								
PLOT DATE = 12/6/2011	DRAWN -	REVISIED -			SCALE: 1" = 10'    SHEET NO. OF SHEETS    STA. 342+50.00 TO STA. 342+50.00				CONTRACT NO. 64C94								
PLOT TIME = 10:19:56 AM	CHECKED -	REVISIED -			[ILLINOIS] FED. AID PROJECT												



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

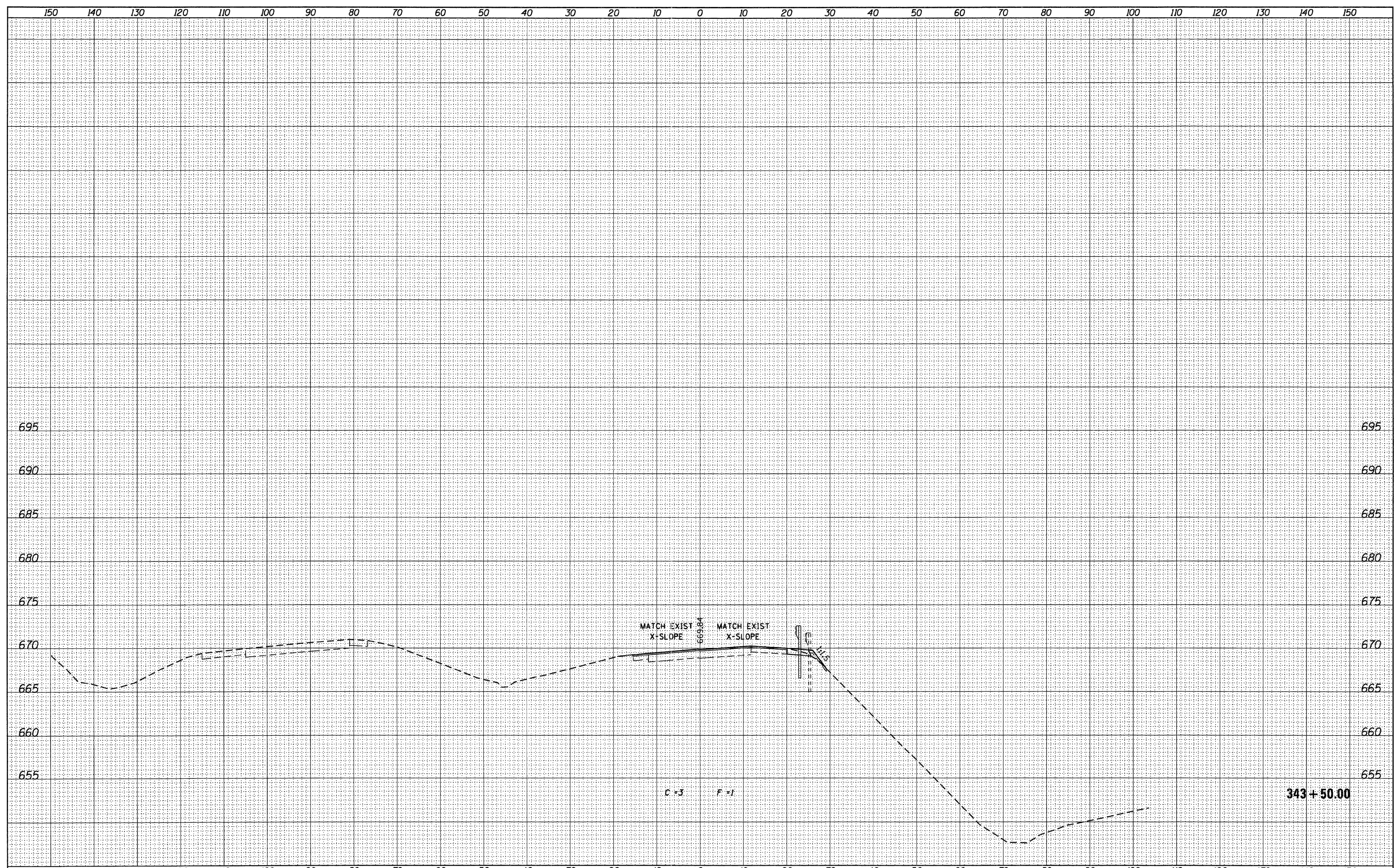
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS	
CHECKED	
NO.	



USER NAME = g_jameson	DESIGNED -	REVISIED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>			<b>US 20 CROSS SECTIONS</b> <b>SN 043-0004</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = Z283207-EB004-xssh.t.dgn	CHECKED -	REVISIED -						301	(43B,44B,44HB,45B)D	JODAVIESS	309	257			
PLOT DATE = 12/6/2011	DRAWN -	REVISIED -			SCALE: 1" = 10'    SHEET NO. OF SHEETS    STA. 343+00.00 TO STA. 343+00.00			CONTRACT NO. 64C94							
PLOT TIME = 10:19:56 AM	CHECKED -	REVISIED -			[ILLINOIS] FED. AID PROJECT										

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

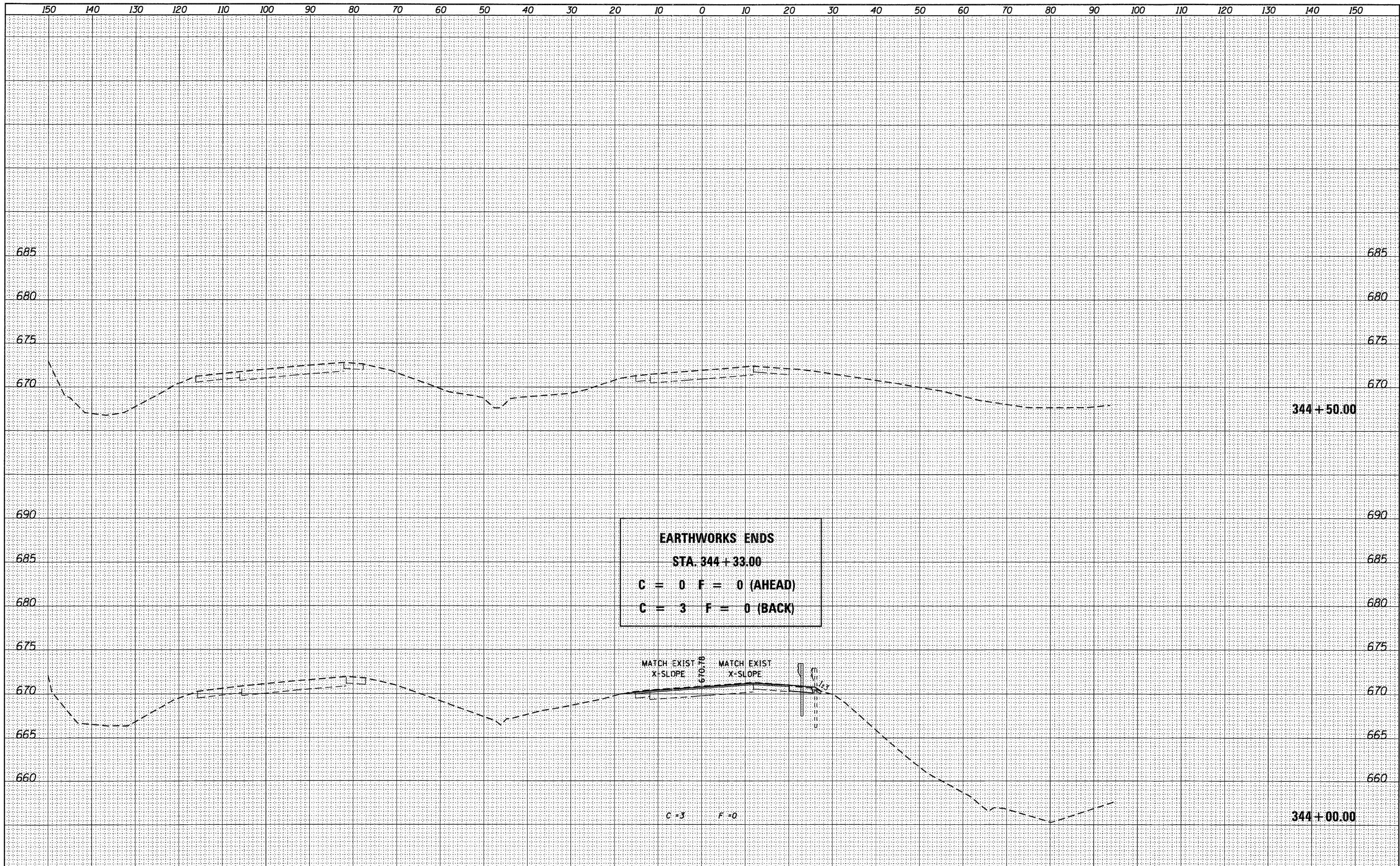
DATE	
BY	
ORIGINAL SURVEY	
SUBMITTED	
PLOTTED	
NOTE BOOK	
NO.	
TEMPLATE	
AREAS	
CHECKED	



USER NAME = g_jameson	DESIGNED -	REVISIED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>			<b>US 20 CROSS SECTIONS</b> <b>SN 043-0004</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = Z283287-E8084-xssh.t.dgn	CHECKED -	REVISIED -						301	(43B,44B,44HB,45B)D	JODAVIESS	309	258			
PLOT DATE = 12/6/2011	DRAWN -	REVISIED -			SCALE: 1" = 10'    SHEET NO.    OF    SHEETS    STA. 343+50.00    TO    STA. 343+50.00			CONTRACT NO. 64C94							
PLOT TIME = 10:19:57 AM	CHECKED -	REVISIED -			[ILLINOIS] FED. AID PROJECT										

FINAL SURVEY	CHECKED	DATE
NOTE BOOK	DATE	
NO.	AREAS CHECKED	

ORIGINAL SURVEY	CHECKED	DATE
NOTE BOOK	DATE	
NO.	AREAS CHECKED	



**EARTHWORKS ENDS**  
**STA. 344 + 33.00**  
**C = 0 F = 0 (AHEAD)**  
**C = 3 F = 0 (BACK)**

USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = Z203207-EB004-xssh.t.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:19:57 AM	CHECKED -	REVISED -

**WHKS & CO.**  
**ENGINEERING**  
 1701 ROUTE 35 NORTH  
 EAST DUBUQUE, IL 61025  
 (815) 747-8833  
 DESIGN FIRM #184001036

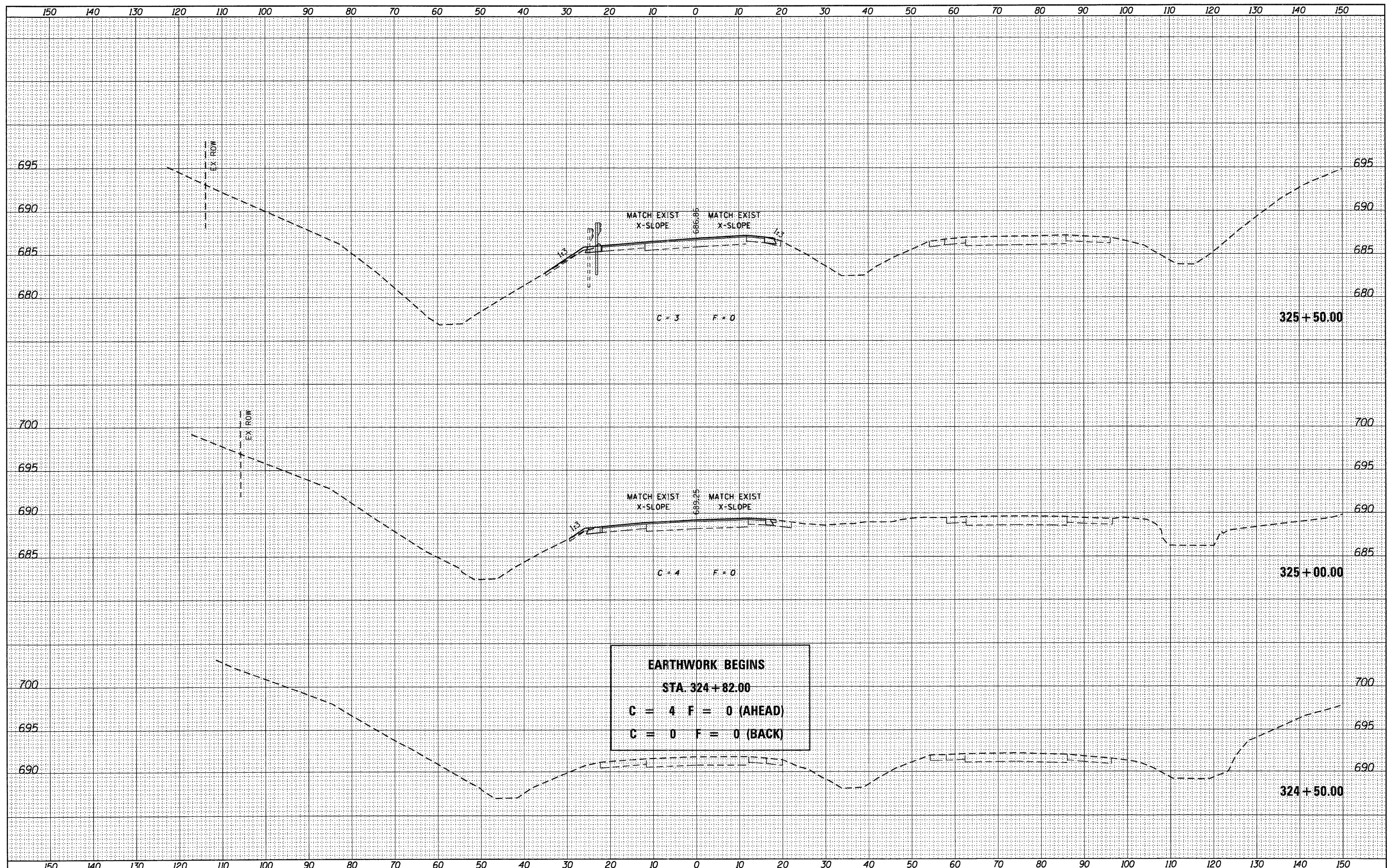
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0004**  
 SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 344+00.00 TO STA. 344+50.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 259
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	REVISED	DATE
NOTE BOOK	NOTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	REVISED	DATE
NOTE BOOK	NOTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	



**EARTHWORK BEGINS**  
**STA. 324+82.00**  
**C = 4 F = 0 (AHEAD)**  
**C = 0 F = 0 (BACK)**

USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = 2203207-WB005-xssht.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:19:59 AM	CHECKED -	REVISED -

**WHKS & CO.**  
**ENGINEERING**  
 1701 ROUTE 35 NORTH  
 EAST DUBUQUE, IL 61025  
 (815) 747-8833  
 DESIGN FIRM #184001036

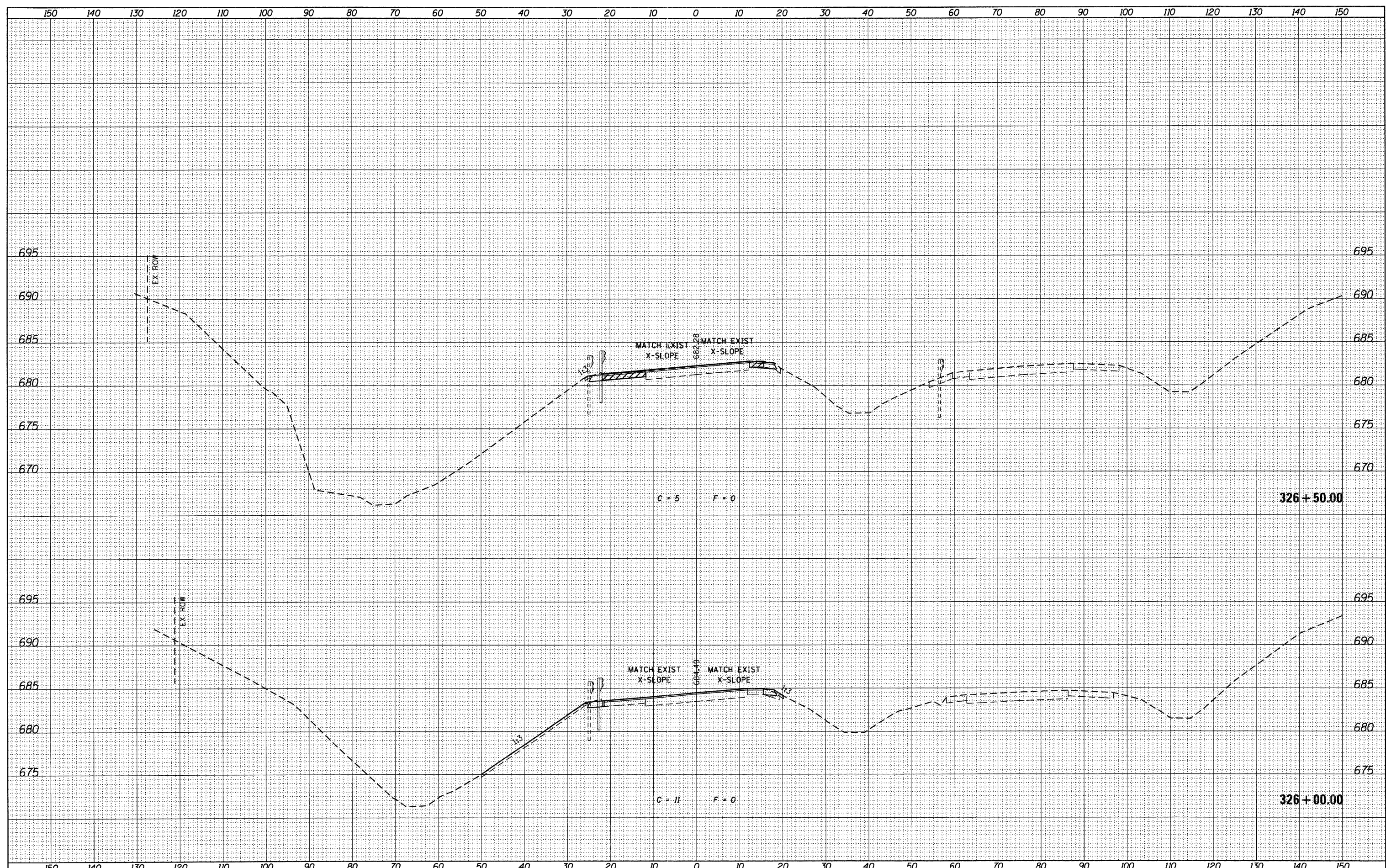
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0005**  
 SCALE: 1" = 10'  
 SHEET NO. OF SHEETS STA. 324+50.00 TO STA. 325+50.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 260
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED	
SURVEY	
NOTED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
FINISHED	
SURVEY	
NOTED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = Z203207-WB005-xash.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:19:59 AM	CHECKED -	REVISED -

**WHKS & co.**  
 ENGINEERING  
 1701 ROUTE 35 NORTH  
 EAST DUBUQUE, IL 61025  
 (815) 747-8833  
 DESIGN FIRM #184001036

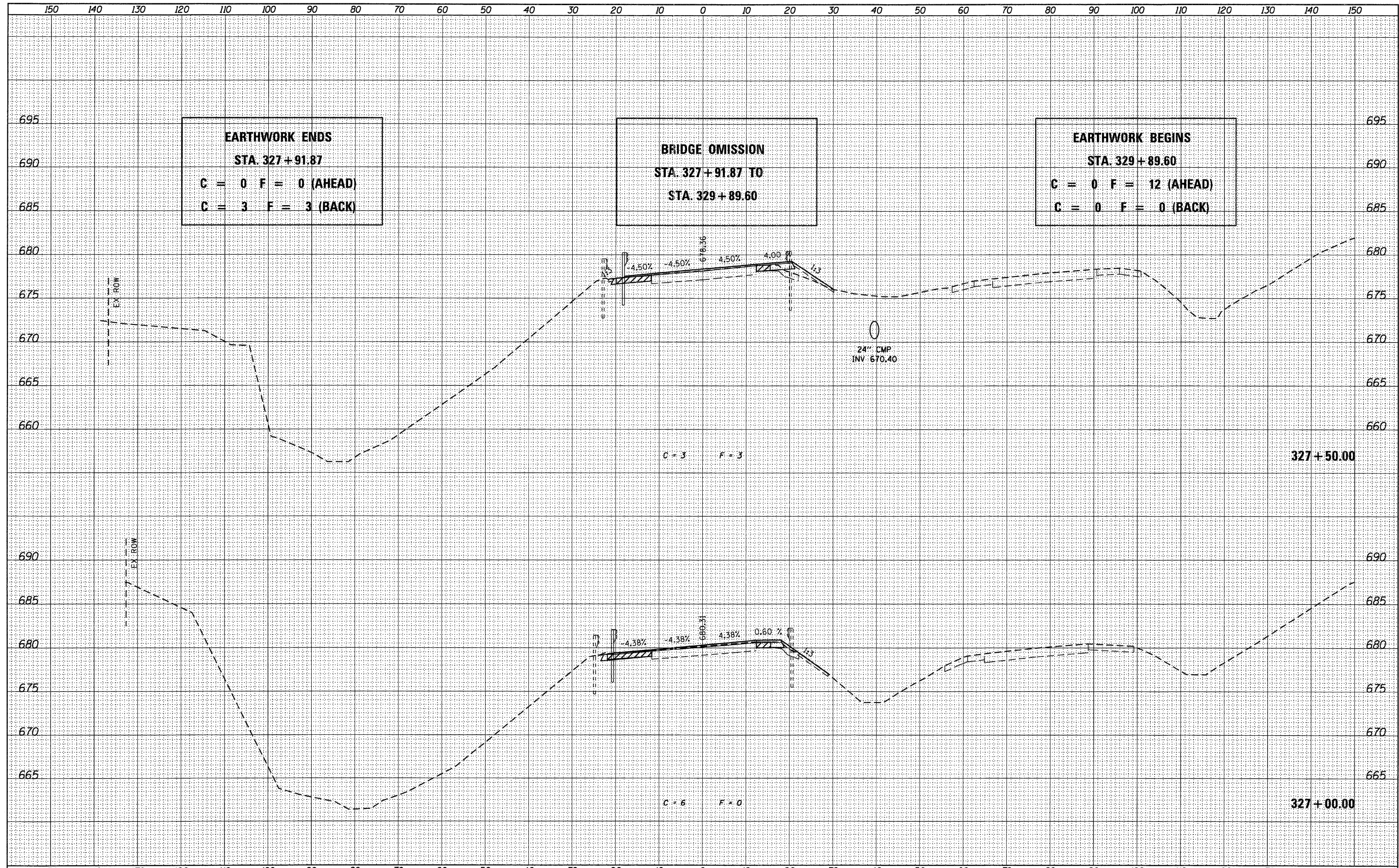
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>US 20 CROSS SECTIONS</b>	
<b>SN 043-0005</b>	
SCALE: 1" = 10'	SHEET NO. OF SHEETS
STA. 326+00.00 TO STA. 326+50.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JODAVIESS	309	261
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

DATE	
BY	
DESIGNED	
CHECKED	
DRAWN	
NOTED	
AREAS	
CHECKED	

DATE	
BY	
DESIGNED	
CHECKED	
DRAWN	
NOTED	
AREAS	
CHECKED	



USER NAME = g_jameson	DESIGNED -	REVISD -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036
FILE NAME = Z203207-WB005-xasht.dgn	CHECKED -	REVISD -		
PLOT DATE = 12/6/2011	DRAWN -	REVISD -		
PLOT TIME = 10:20:00 AM	CHECKED -	REVISD -		

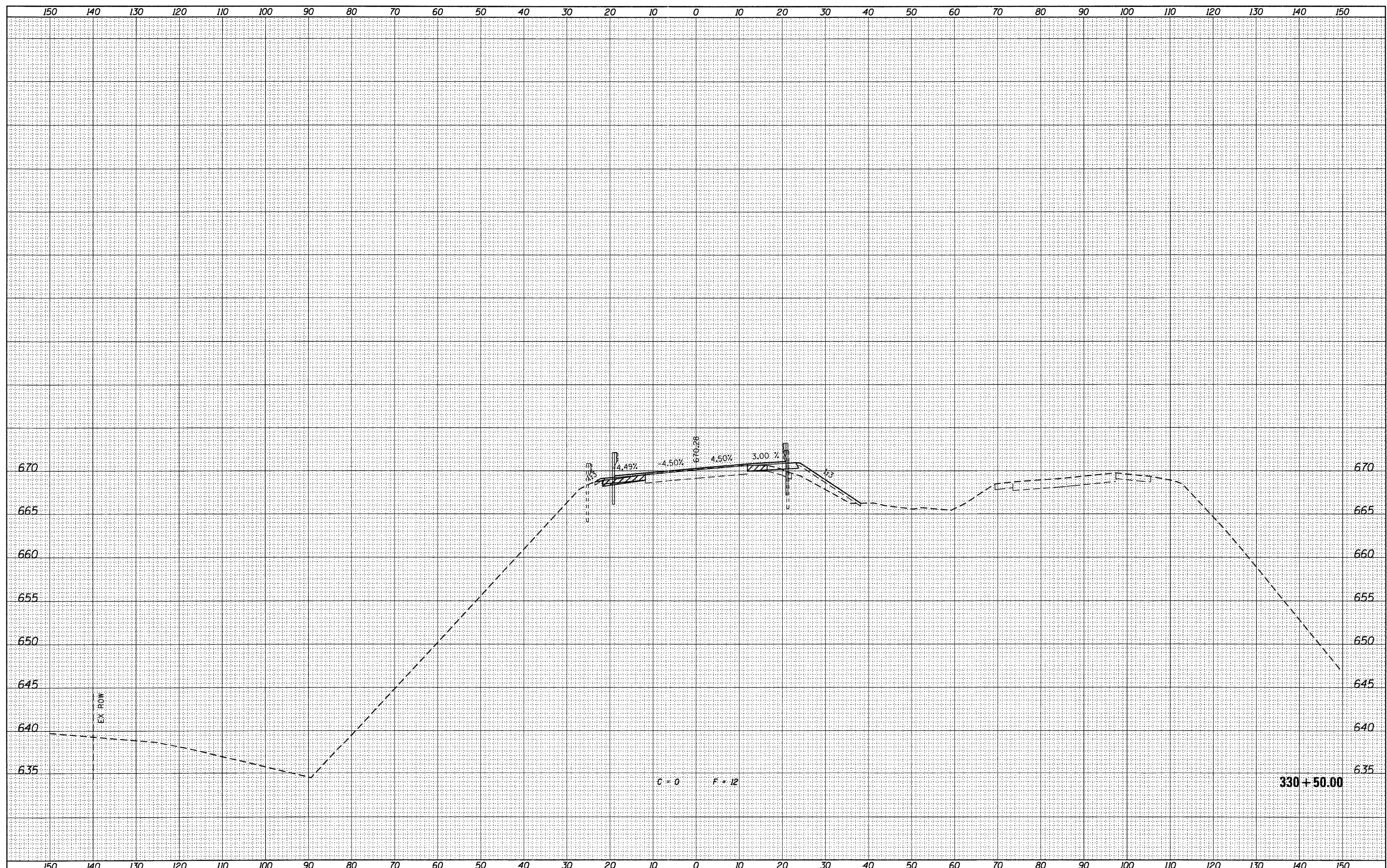
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0005**  
 SCALE: 1" = 10'    SHEET NO.    OF    SHEETS    STA. 327+00.00 TO STA. 327+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JODAVIESS	309	262
				CONTRACT NO. 64C94
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	REVISED	DATE
NOTE BOOK	NOTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
NO.		



USER NAME = g_ameson	DESIGNED -	REVISED -
FILE NAME = Z203207-WB005-xasht.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:28:01 AM	CHECKED -	REVISED -

**WHKS & co.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

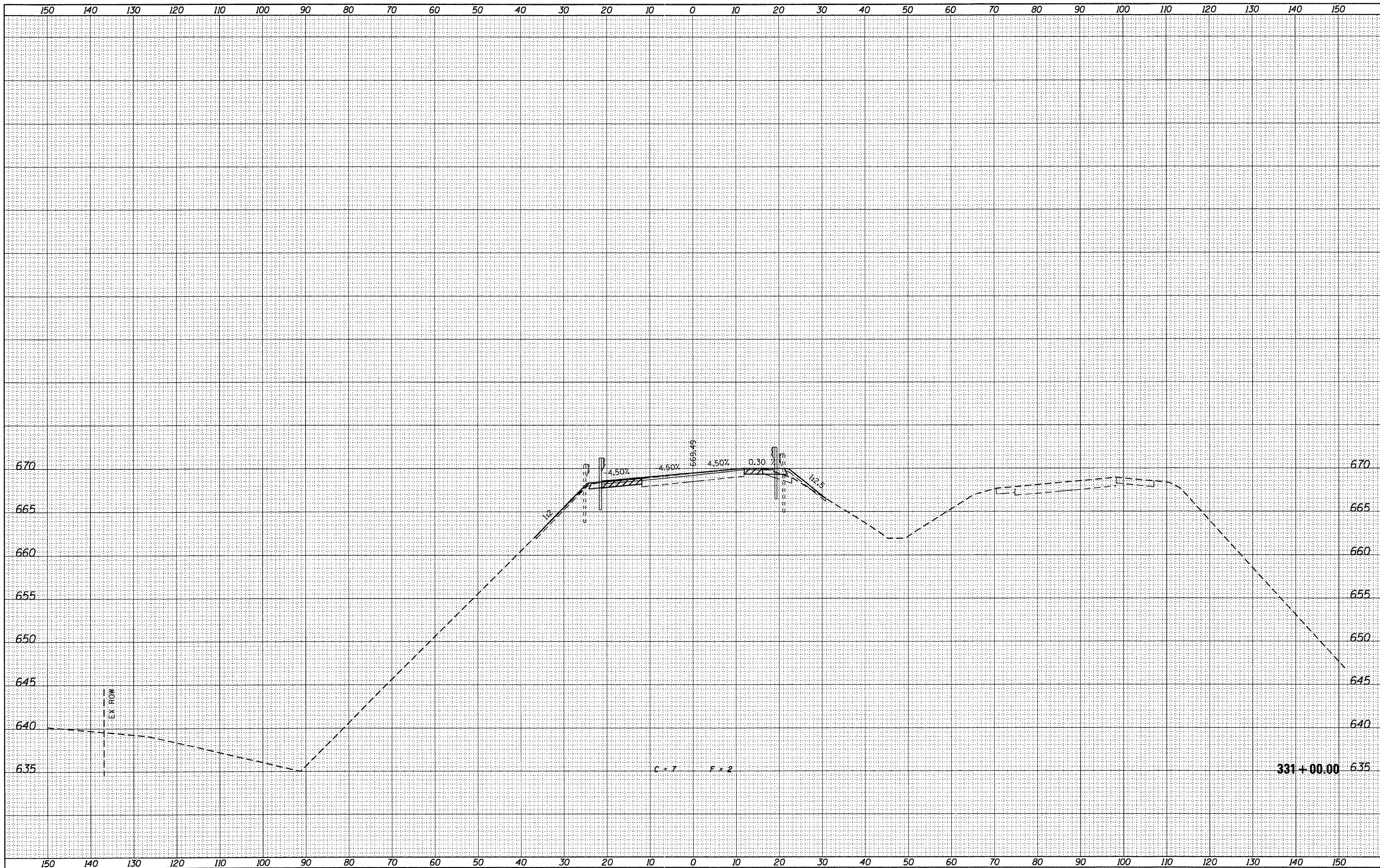
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0005**  
SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 330+50.00 TO STA. 330+50.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 263
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

DATE	
BY	
TURNED IN	
SURVEY	
LOTTID	
NOTE BOOK	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
TURNED IN	
SURVEY	
LOTTID	
NOTE BOOK	
TEMPLATE	
AREAS	
CHECKED	
NO.	

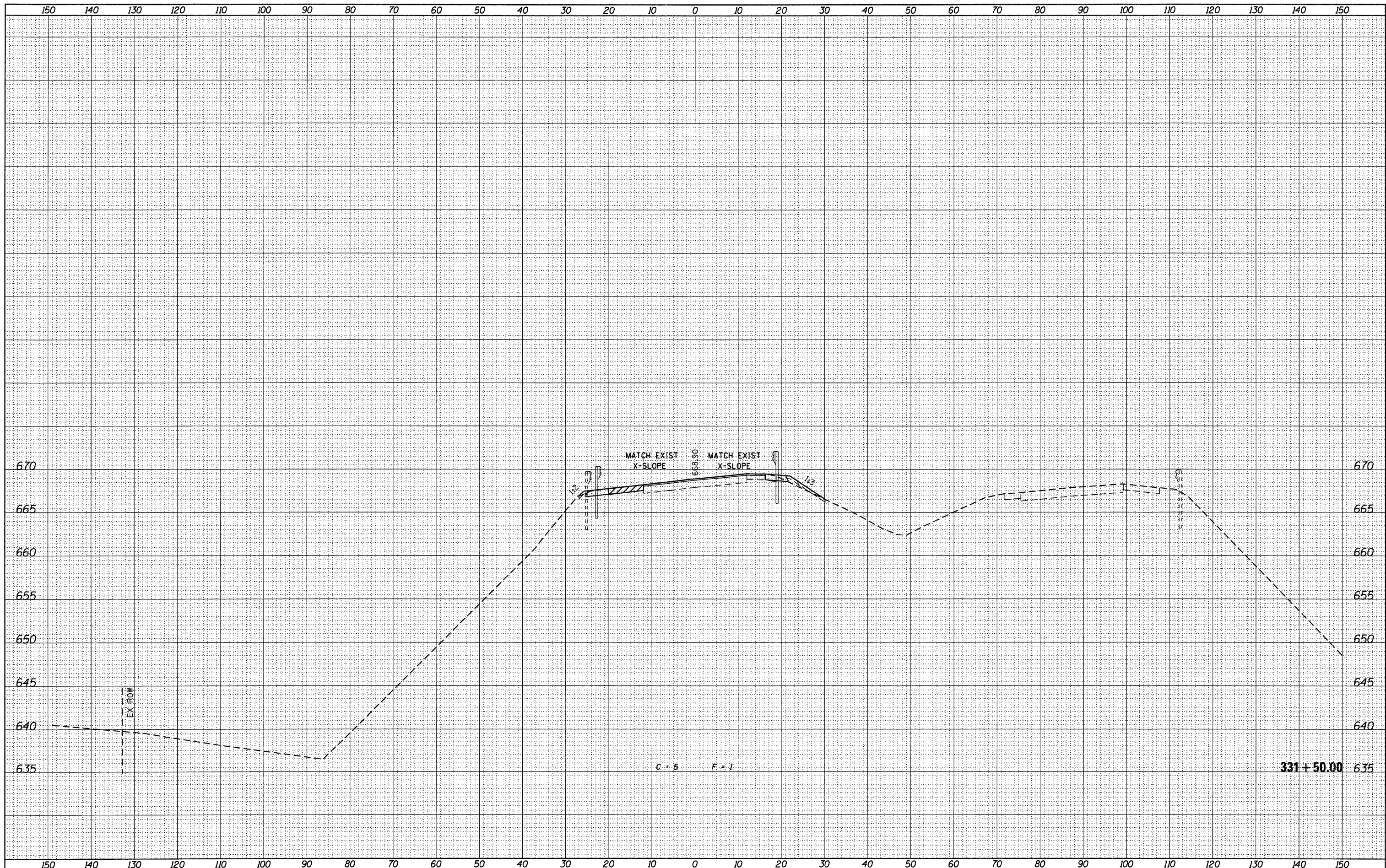


USER NAME = g_jameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>				<b>US 20 CROSS SECTIONS</b> <b>SN 043-0005</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = 2203207-WB0005-vssht.dgn	CHECKED -	REVISED -			301	(43B,44B,44HB,45B)D	JODAVIESS	309	264								
PLOT DATE = 12/6/2011	DRAWN -	REVISED -			SCALE: 1" = 10'    SHEET NO. OF SHEETS    STA. 331+00.00 TO STA. 331+00.00				CONTRACT NO. 64C94								
PLOT TIME = 10:20:02 AM	CHECKED -	REVISED -			[ILLINOIS] FED. AID PROJECT												



FINAL SURVEY	DATE
NO. _____	BY _____
NOTED	
TEMPLATE	
AREAS	
CHECKED	

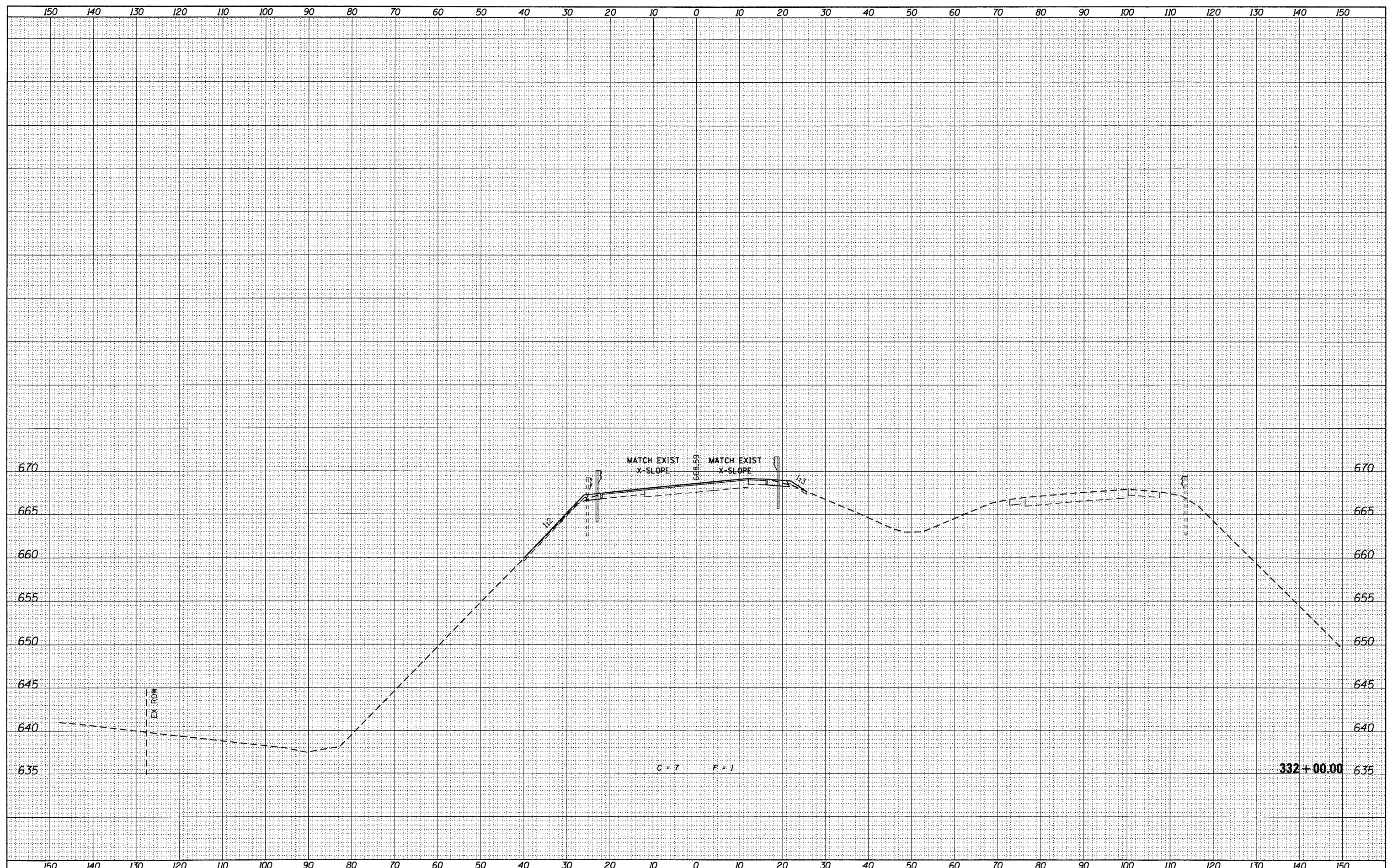
ORIGINAL SURVEY	DATE
NO. _____	BY _____
NOTED	
TEMPLATE	
AREAS	
CHECKED	



USER NAME = g_jameson	DESIGNED -	REVISD -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>			<b>US 20 CROSS SECTIONS</b> <b>SN 043-0005</b>			F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 265
FILE NAME = 2203207-WB005-ssht.dgn	CHECKED -	REVISD -			SCALE: 1" = 10'			SHEET NO. _____	OF _____	SHEETS _____	STA. 331+50.00	TO STA. 331+50.00	CONTRACT NO. 64C94		
PLOT DATE = 12/6/2011	DRAWN -	REVISD -			ILLINOIS FED. AID PROJECT										
PLOT TIME = 10:20:02 AM	CHECKED -	REVISD -													

FINAL SURVEY	CHECKED	DATE
NOTE BOOK	DATE	
NO.	AREAS CHECKED	

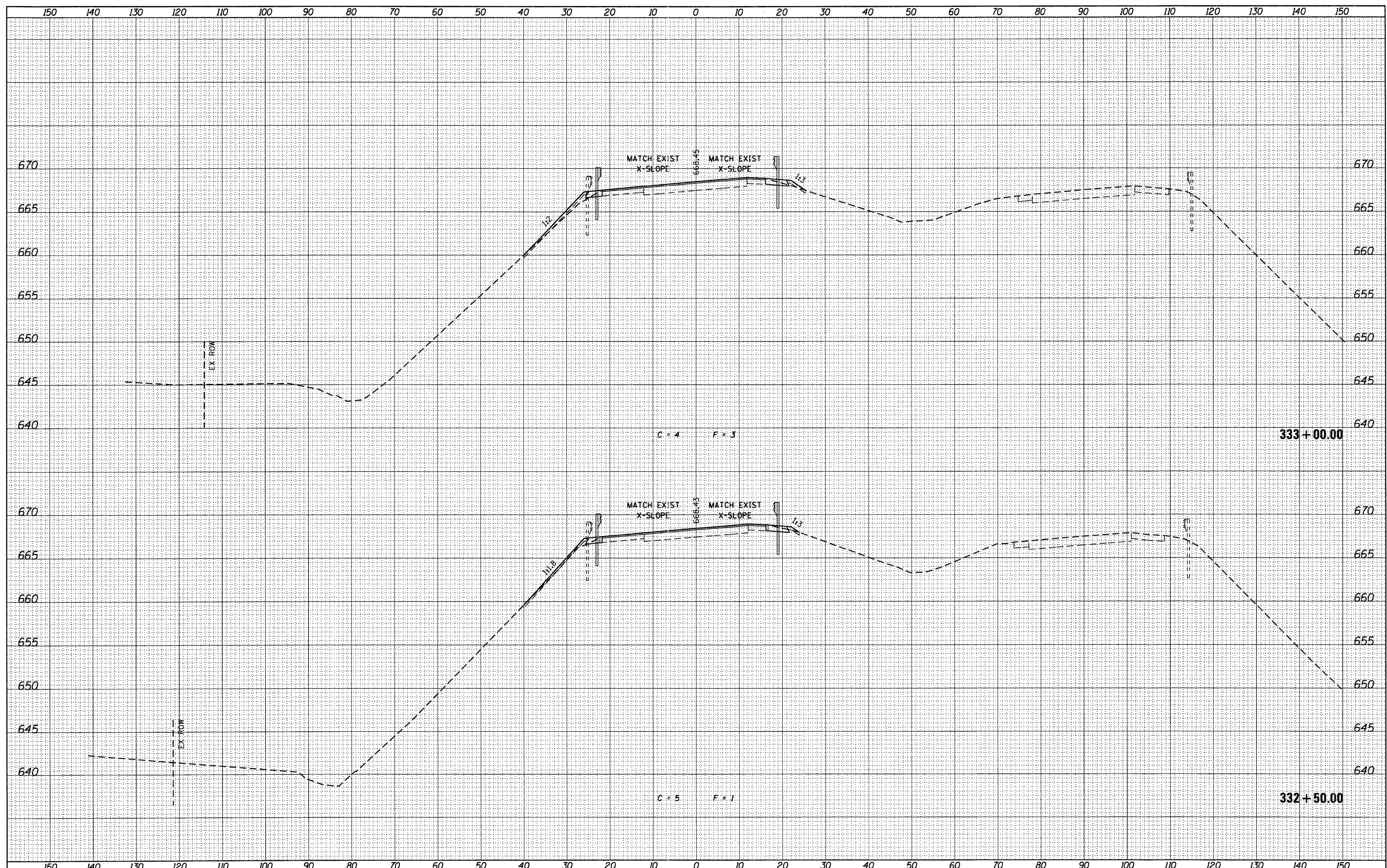
ORIGINAL SURVEY	CHECKED	DATE
NOTE BOOK	DATE	
NO.	AREAS CHECKED	



USER NAME = g_jameson	DESIGNED -	REVISIED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>			<b>US 20 CROSS SECTIONS</b> <b>SN 043-0005</b>			F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 266	
FILE NAME = Z203207-WB005-xssht.dgn	CHECKED -	REVISIED -			SCALE: 1" = 10'			SHEET NO.	OF	SHEETS	STA. 332+00.00	TO STA. 332+00.00	ILLINOIS FED. AID PROJECT			
PLOT DATE = 12/6/2011	DRAWN -	REVISIED -										CONTRACT NO. 64C94				
PLOT TIME = 10:20:03 AM	CHECKED -	REVISIED -														

FINAL SURVEY	DATE
REVISIONS	BY
NOTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

ORIGINAL SURVEY	DATE
REVISIONS	BY
NOTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



USER NAME = g.jameson	DESIGNED -	REVISED -
FILE NAME = Z203207-WB005-xssht.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:20:03 AM	CHECKED -	REVISED -

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

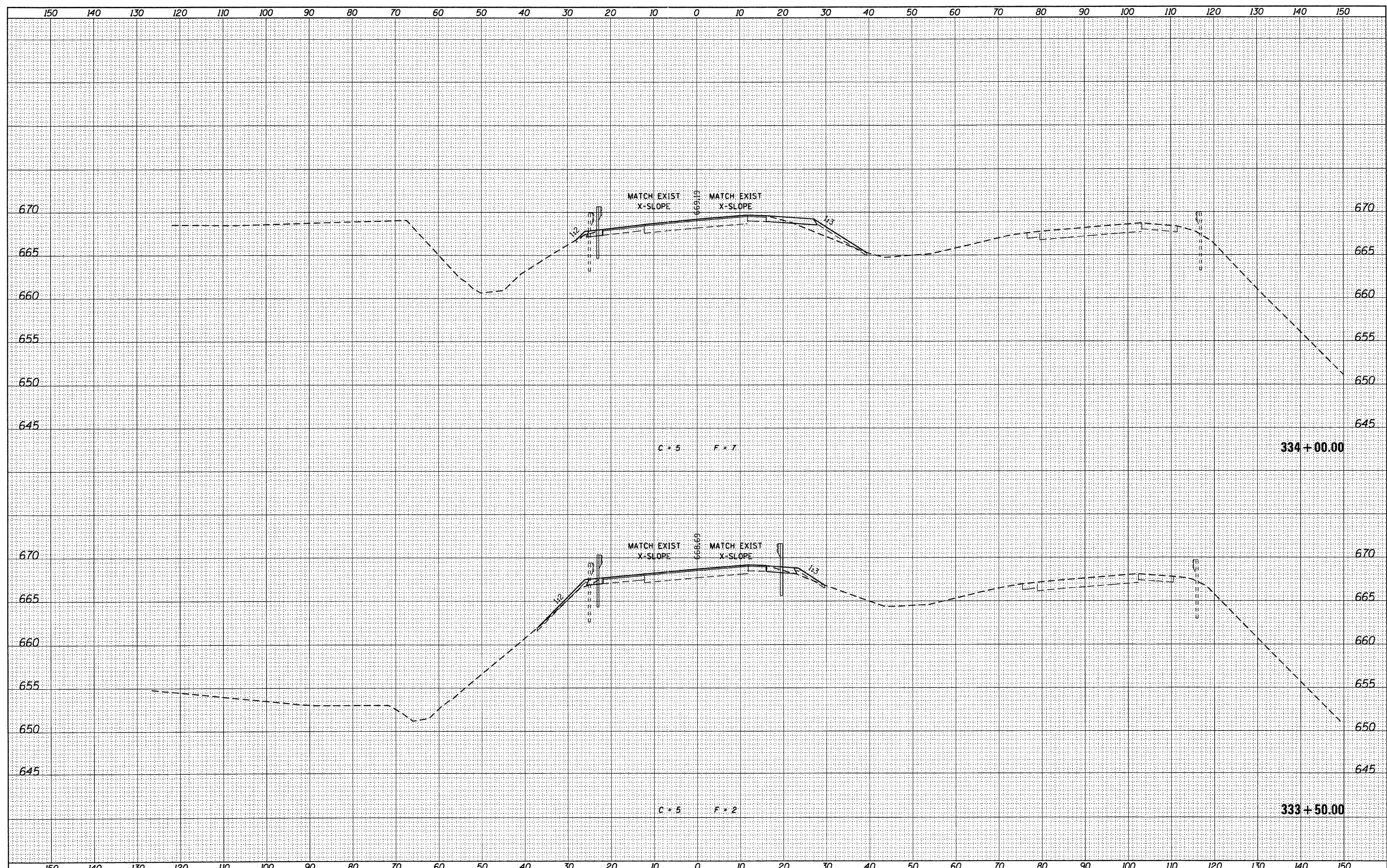
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0005**  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 332+50.00 TO STA. 333+00.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 267
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMP. AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMP. AREAS		
	CHECKED		



USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = 2203207-WB005-xsh.txd	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:20:04 AM	CHECKED -	REVISED -

DESIGNED -	REVISED -
CHECKED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

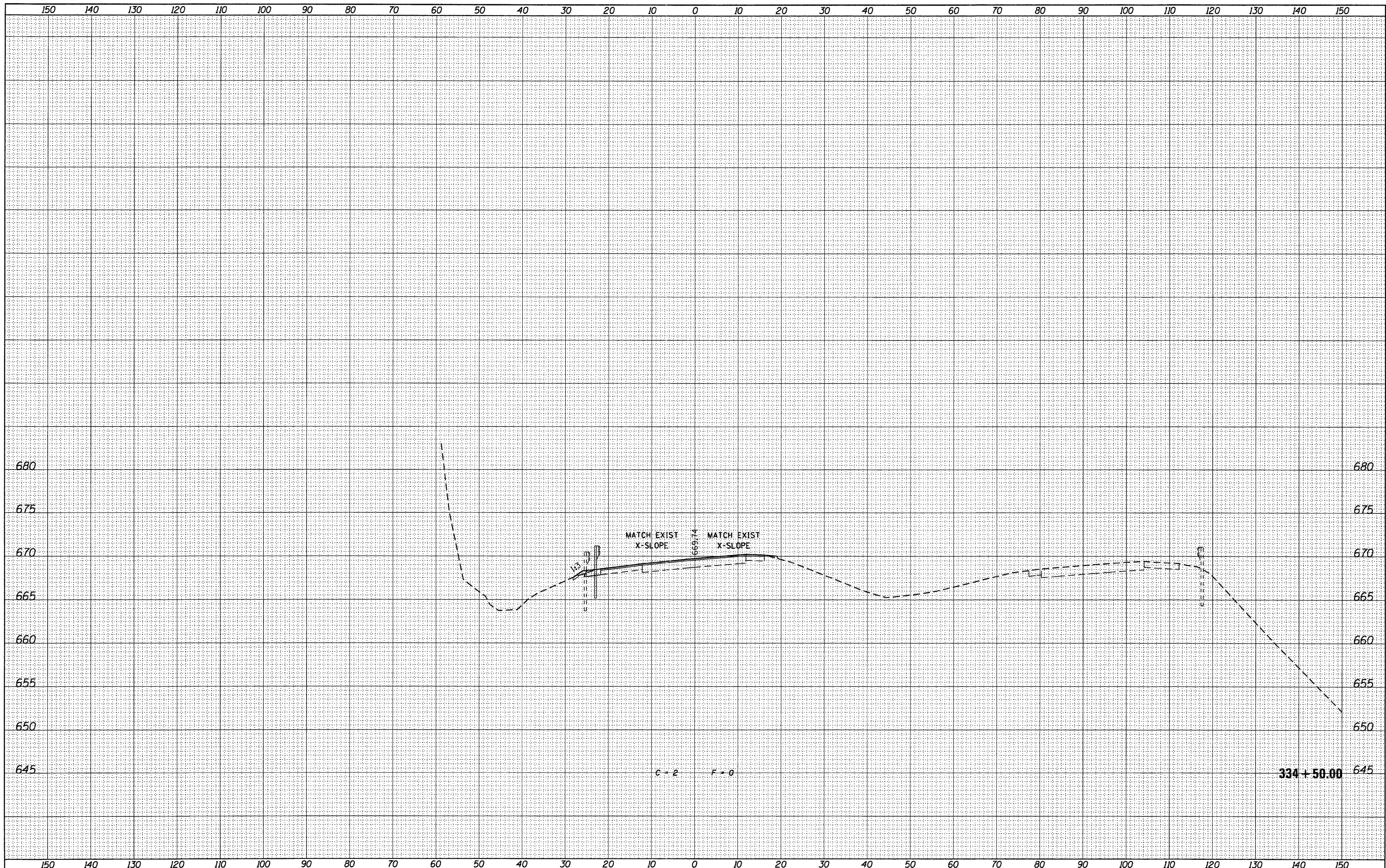
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0005**  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 333+50.00 TO STA. 334+00.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 268
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

DATE	
BY	
DESIGNED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
DESIGNED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



USER NAME = g_jameson	DESIGNED -	REVISIED -
FILE NAME = Z283207-WB005-xasht.dgn	CHECKED -	REVISIED -
PLOT DATE = 12/6/2011	DRAWN -	REVISIED -
PLOT TIME = 10:20:05 AM	CHECKED -	REVISIED -

DESIGNED -	REVISIED -
CHECKED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

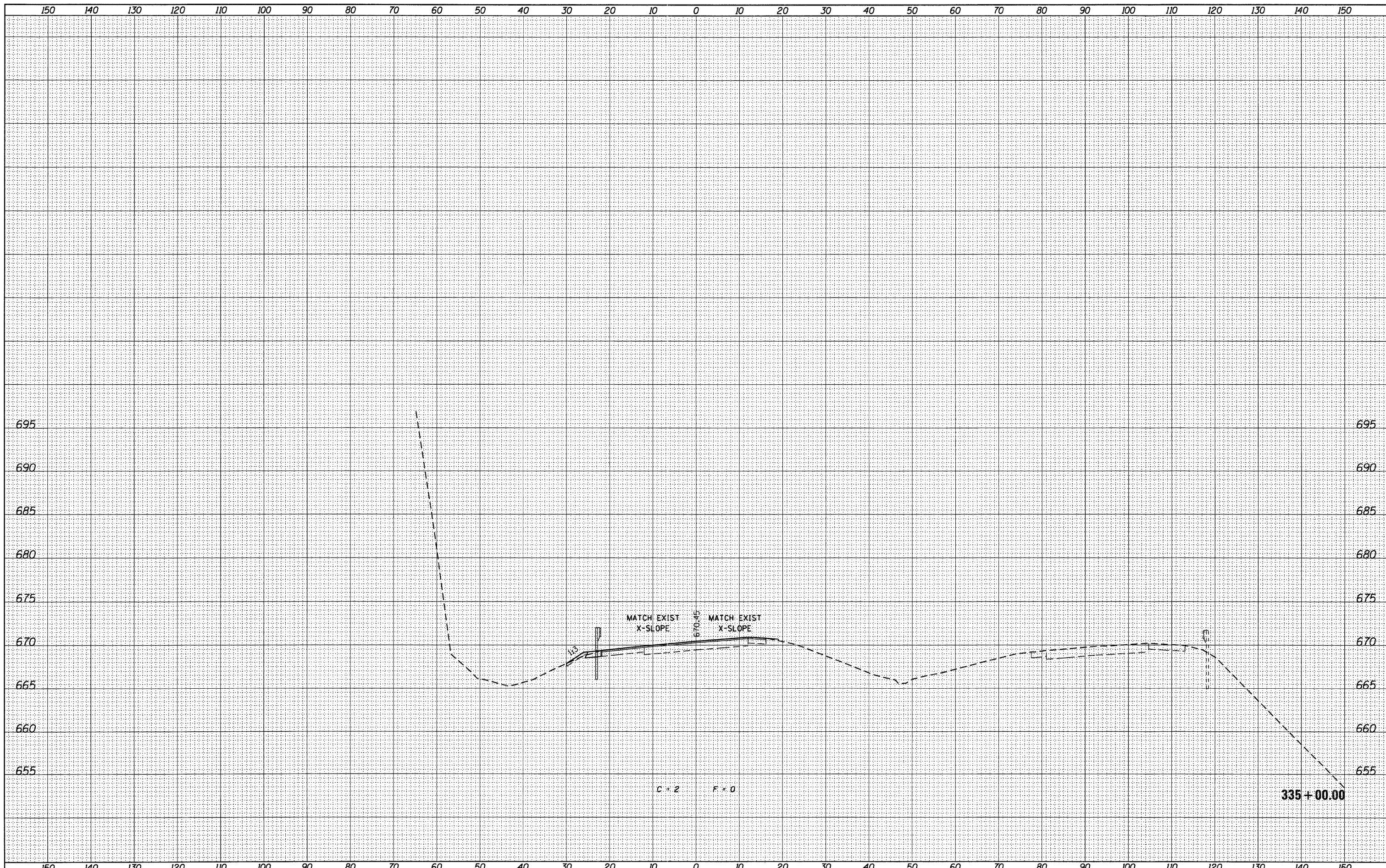
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0005**  
SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 334+50.00 TO STA. 334+50.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 269
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

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

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



USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = Z203207-WB005-xssht.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:20:05 AM	CHECKED -	REVISED -

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

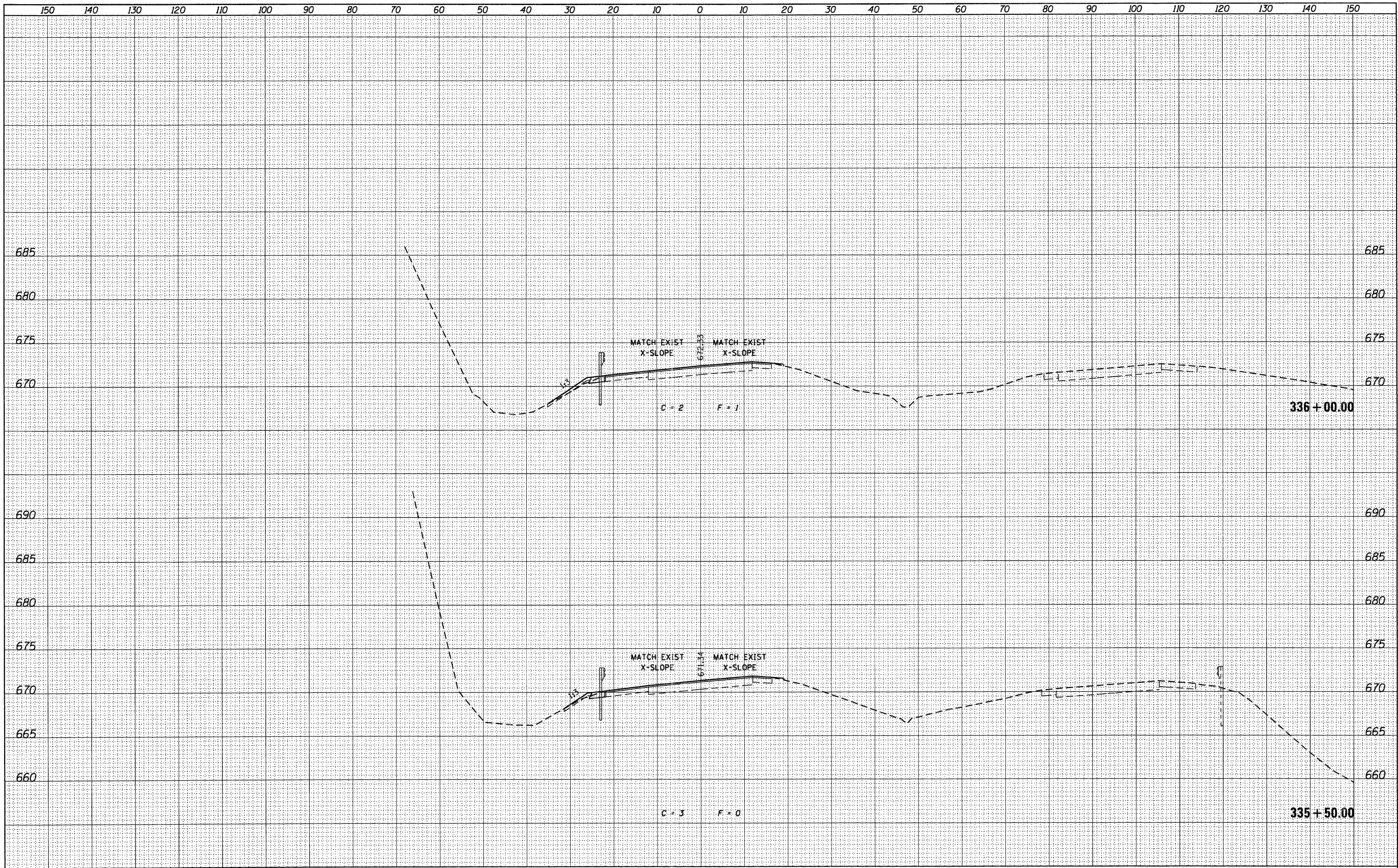
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0005**  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 335+00.00 TO STA. 335+00.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 270
			CONTRACT NO. 64C94	
[ILLINOIS] FED. AID PROJECT				

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

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



USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = Z203207-WB005-xssh.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:20:06 AM	CHECKED -	REVISED -

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

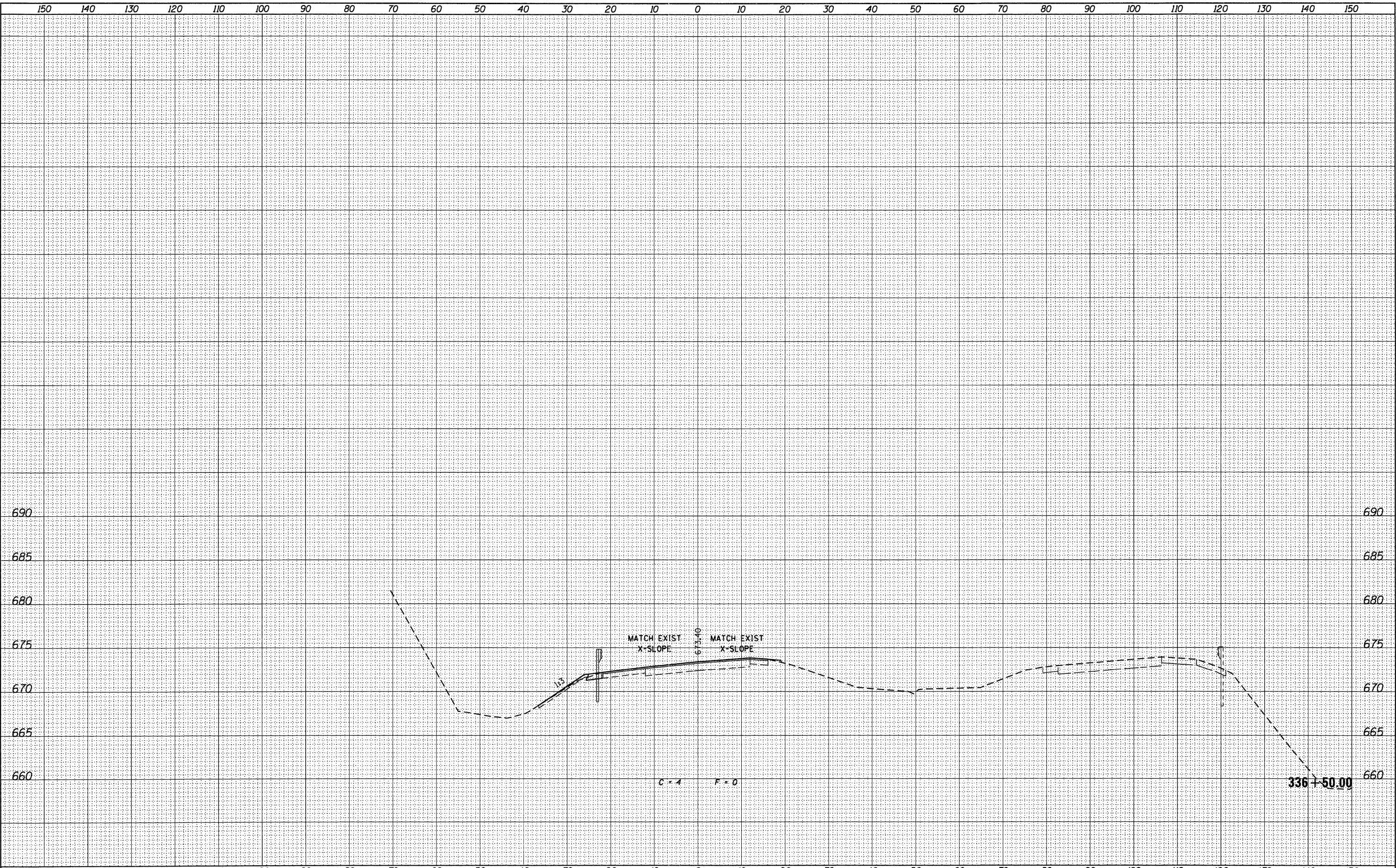
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0005**  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 335+50.00 TO STA. 336+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JODAVIESS	309	271
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

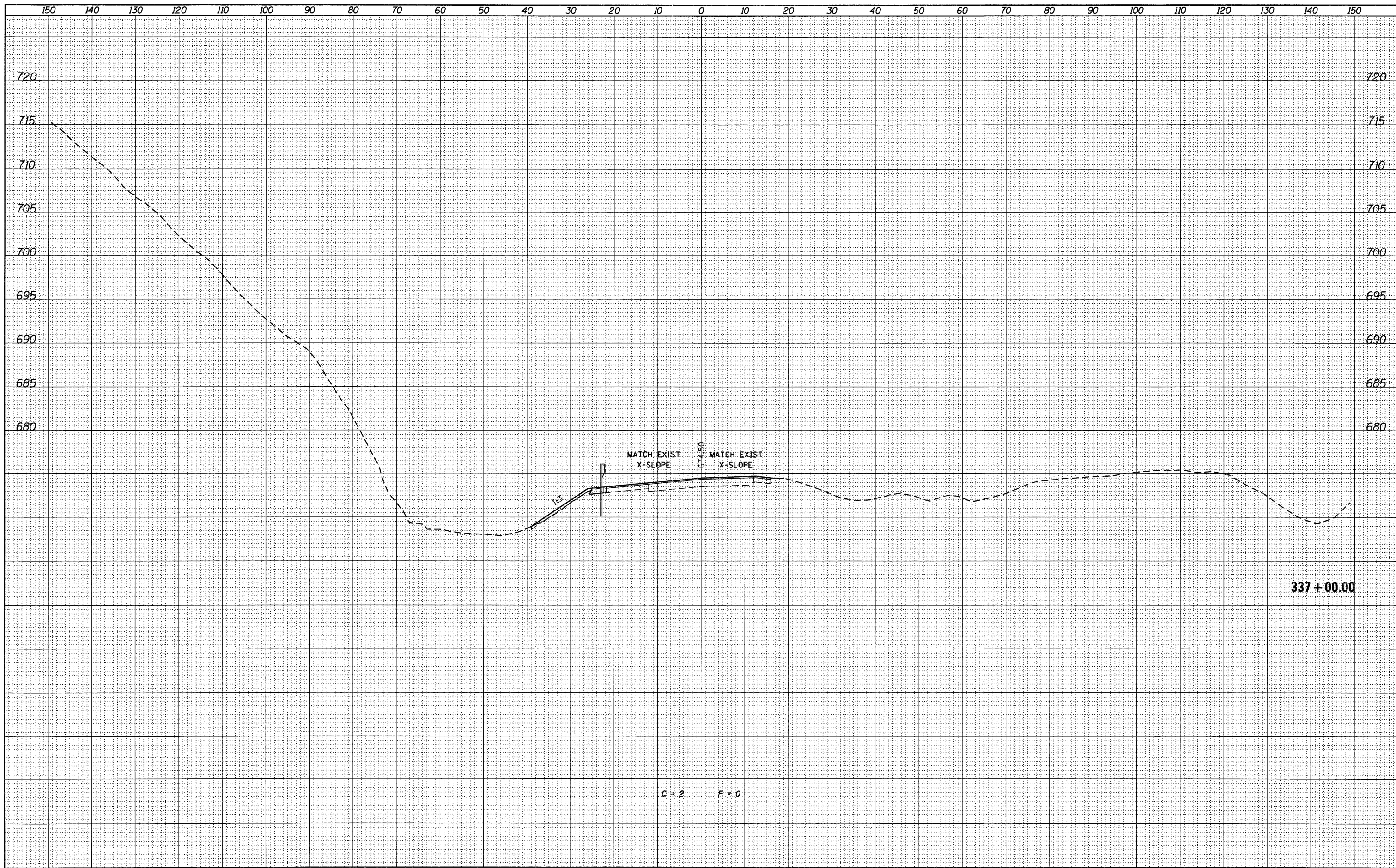
DATE	
BY	
DESIGNED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY NOTE BOOK NO.	

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



USER NAME = g_jameson	DESIGNED -	REVISIED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>				<b>US 20 CROSS SECTIONS</b> <b>SN 043-0005</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = Z283287-WB0005-xssh.t.dgn	CHECKED -	REVISIED -			301	(43B,44B,44HB,45B)D	JODAVIESS	309	272								
PLOT DATE = 12/6/2011	DRAWN -	REVISIED -			SCALE: 1" = 10'    SHEET NO.    OF    SHEETS    STA. 336+50.00    TO    STA. 336+50.00				CONTRACT NO. 64C94								
PLOT TIME = 10:28:07 AM	CHECKED -	REVISIED -			ILLINOIS FED. AID PROJECT												





FINAL SURVEY	REVISED	DATE
NOTE BOOK	NOTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	REVISED	DATE
NOTE BOOK	NOTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	

USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = Z203207-WB005-xasht.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:20:07 AM	CHECKED -	REVISED -

**WHKS & CO.**  
ENGINEERING

1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

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

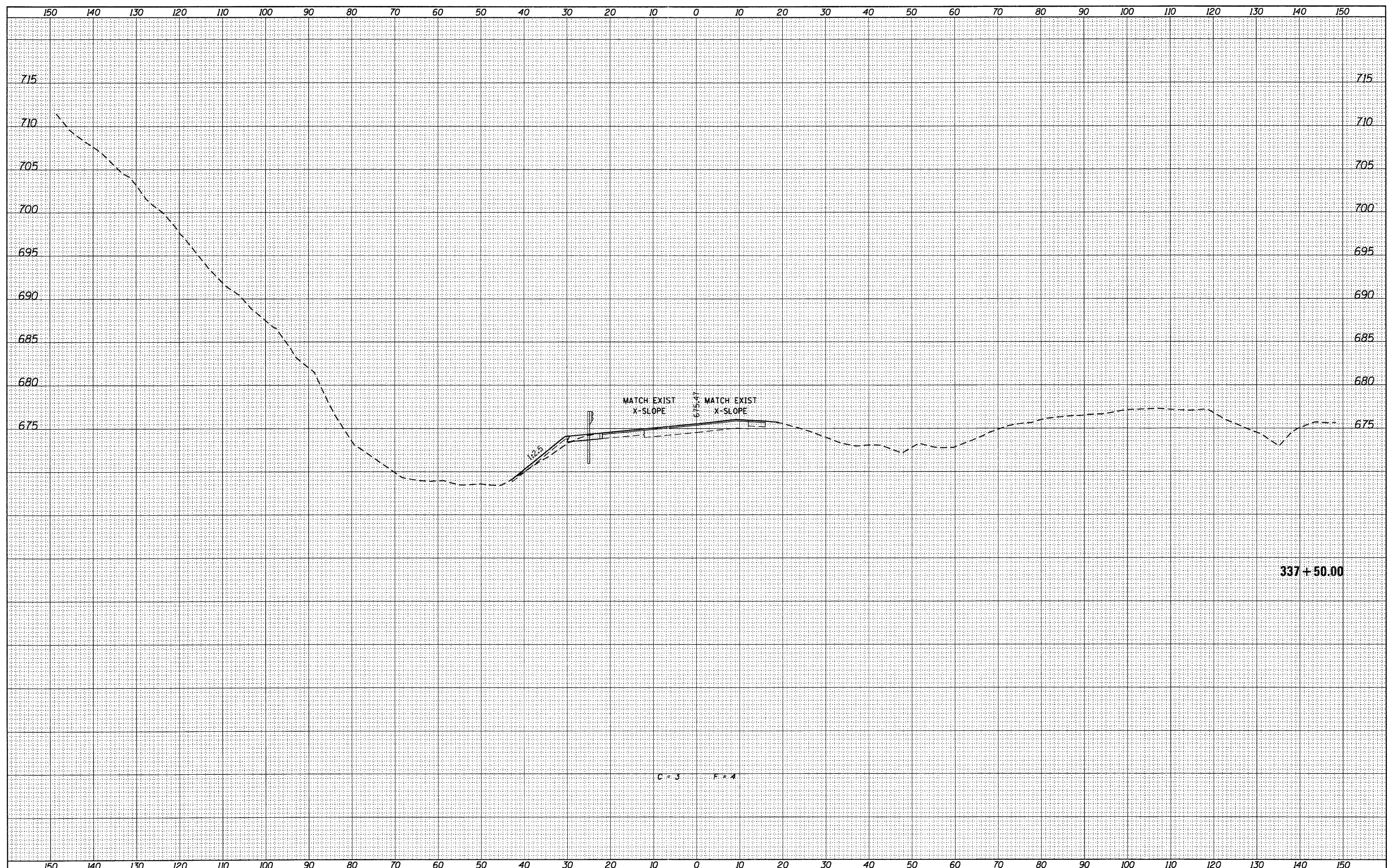
**US 20 CROSS SECTIONS**  
**SN 043-0005**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 337+00.00 TO STA. 337+00.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 273
				CONTRACT NO. 64C94
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	REVISED	DATE
NOTE BOOK	DTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
NO.		



USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = Z283287-WB005-xssht.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:28:08 AM	CHECKED -	REVISED -

150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
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**WHKS & co.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

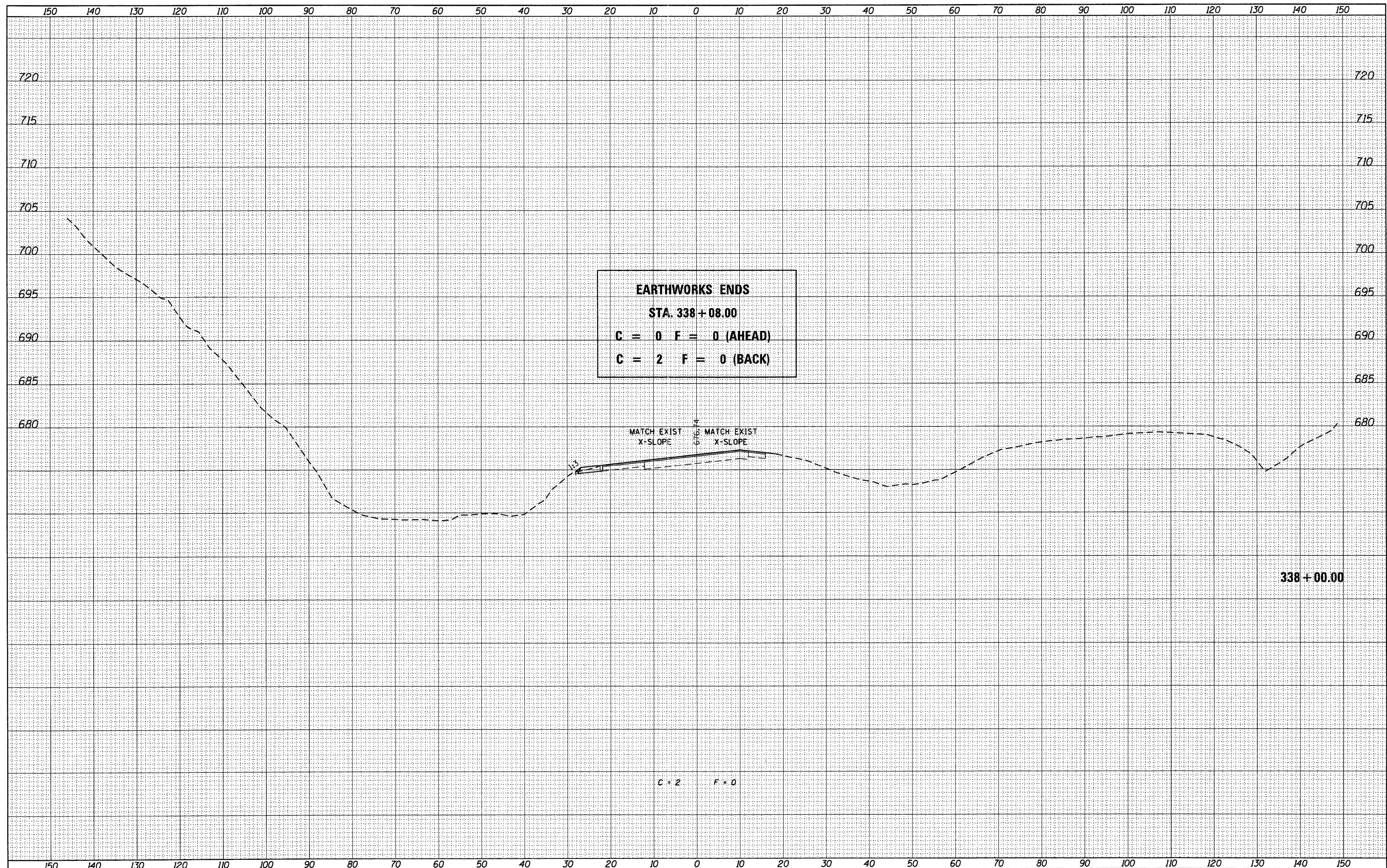
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0005**  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 337+50.00 TO STA. 337+50.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 274
CONTRACT NO. 64C94			[ILLINOIS] FED. AID PROJECT	

DATE	
BY	
TURNED IN	
SURVEY	
LOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
CHECKED	
NO.	

DATE	
BY	
TURNED IN	
SURVEY	
LOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
CHECKED	
NO.	



**EARTHWORKS ENDS**  
**STA. 338+08.00**  
**C = 0 F = 0 (AHEAD)**  
**C = 2 F = 0 (BACK)**

MATCH EXIST X-SLOPE      MATCH EXIST X-SLOPE

**338+00.00**

C = 2      F = 0

USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = 2203207-WB005-xssht.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:20:08 AM	CHECKED -	REVISED -

**WHKS & CO.**  
**ENGINEERING**  
 1701 ROUTE 35 NORTH  
 EAST DUBUQUE, IL 61025  
 (815) 747-8833  
 DESIGN FIRM #184001036

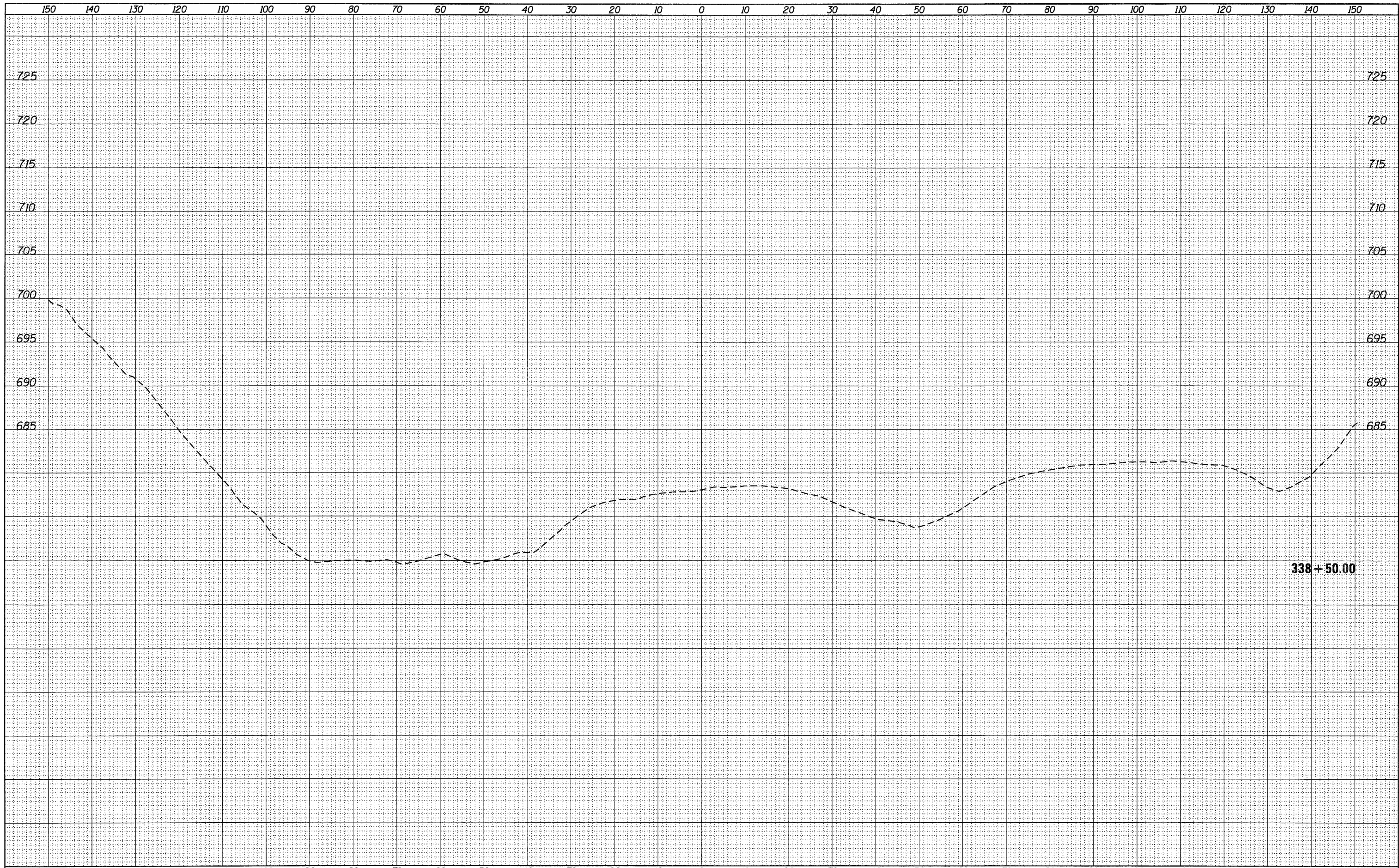
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0005**  
 SCALE: 1" = 10'    SHEET NO.    OF    SHEETS    STA. 338+00.00 TO STA. 338+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JODAVIESS	309	275
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

DATE	
BY	
REVIEWED	
DESIGNED	
NOTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

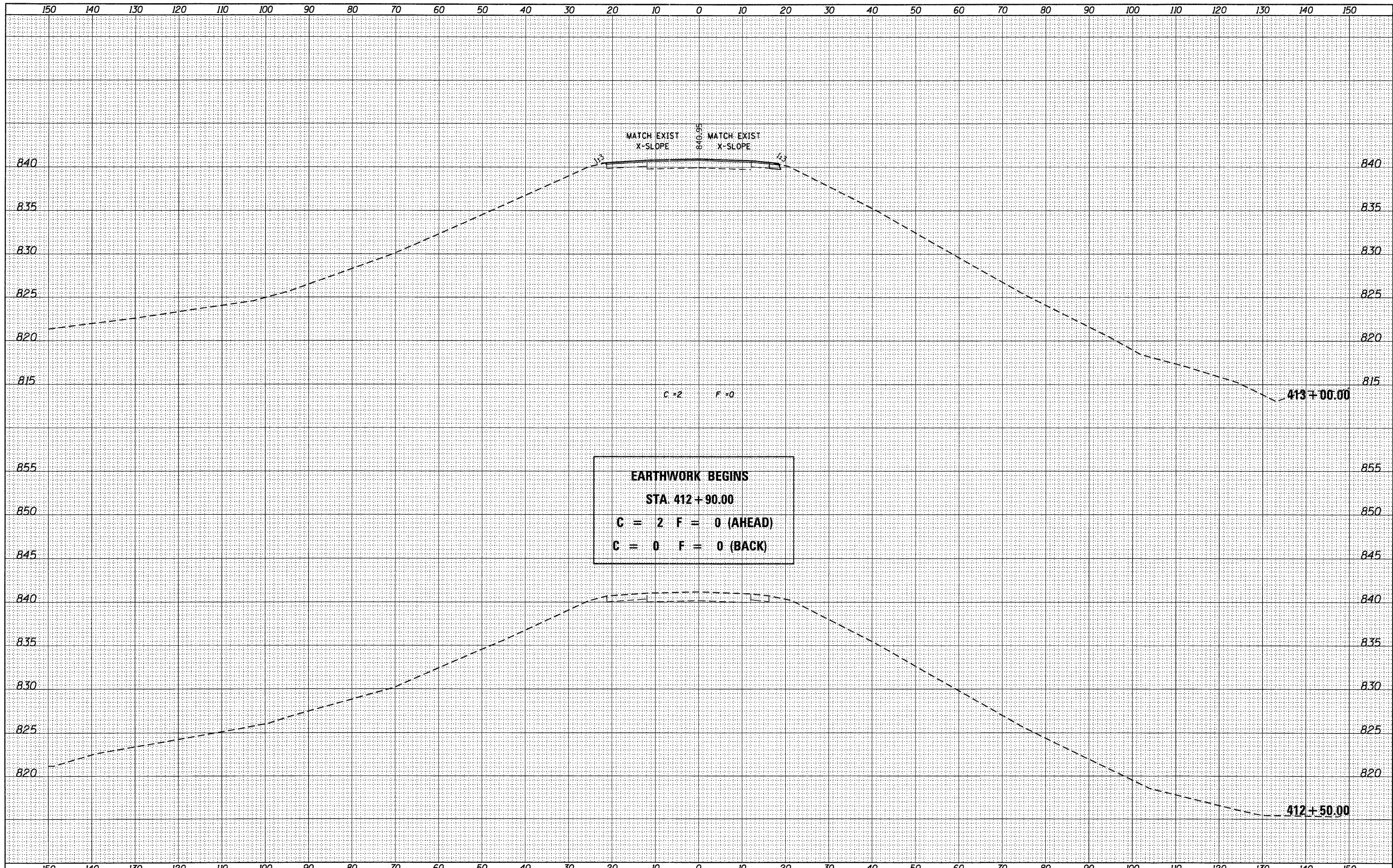
DATE	
BY	
REVIEWED	
DESIGNED	
NOTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
USER NAME = g_jameson	DESIGNED -	REVIEWED -			1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036		<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>										<b>US 20 CROSS SECTIONS</b> <b>SN 043-0005</b>					F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 276				
FILE NAME = Z203207-WB005-kasht.dgn	CHECKED -	REVIEWED -															SCALE: 1" = 10'					SHEET NO.	OF	SHEETS	STA. 338+50.00 TO STA. 338+50.00	ILLINOIS FED. AID PROJECT				
PLOT DATE = 12/6/2011	DRAWN -	REVIEWED -																				CONTRACT NO. 64C94								
PLOT TIME = 10:20:09 AM	CHECKED -	REVIEWED -																												

DATE	
BY	
DESIGNED	
CHECKED	
PLOTTED	
NOTED	
NO.	

DATE	
BY	
DESIGNED	
CHECKED	
PLOTTED	
NOTED	
NO.	



**EARTHWORK BEGINS**  
**STA. 412+90.00**  
**C = 2 F = 0 (AHEAD)**  
**C = 0 F = 0 (BACK)**

USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = Z203207-WB006-ssht.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:20:10 AM	CHECKED -	REVISED -

DESIGNED -	REVISED -
CHECKED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -

**WHKS & CO.**  
**ENGINEERING**  
 1701 ROUTE 35 NORTH  
 EAST DUBUQUE, IL 61025  
 (815) 747-8833  
 DESIGN FIRM #184001036

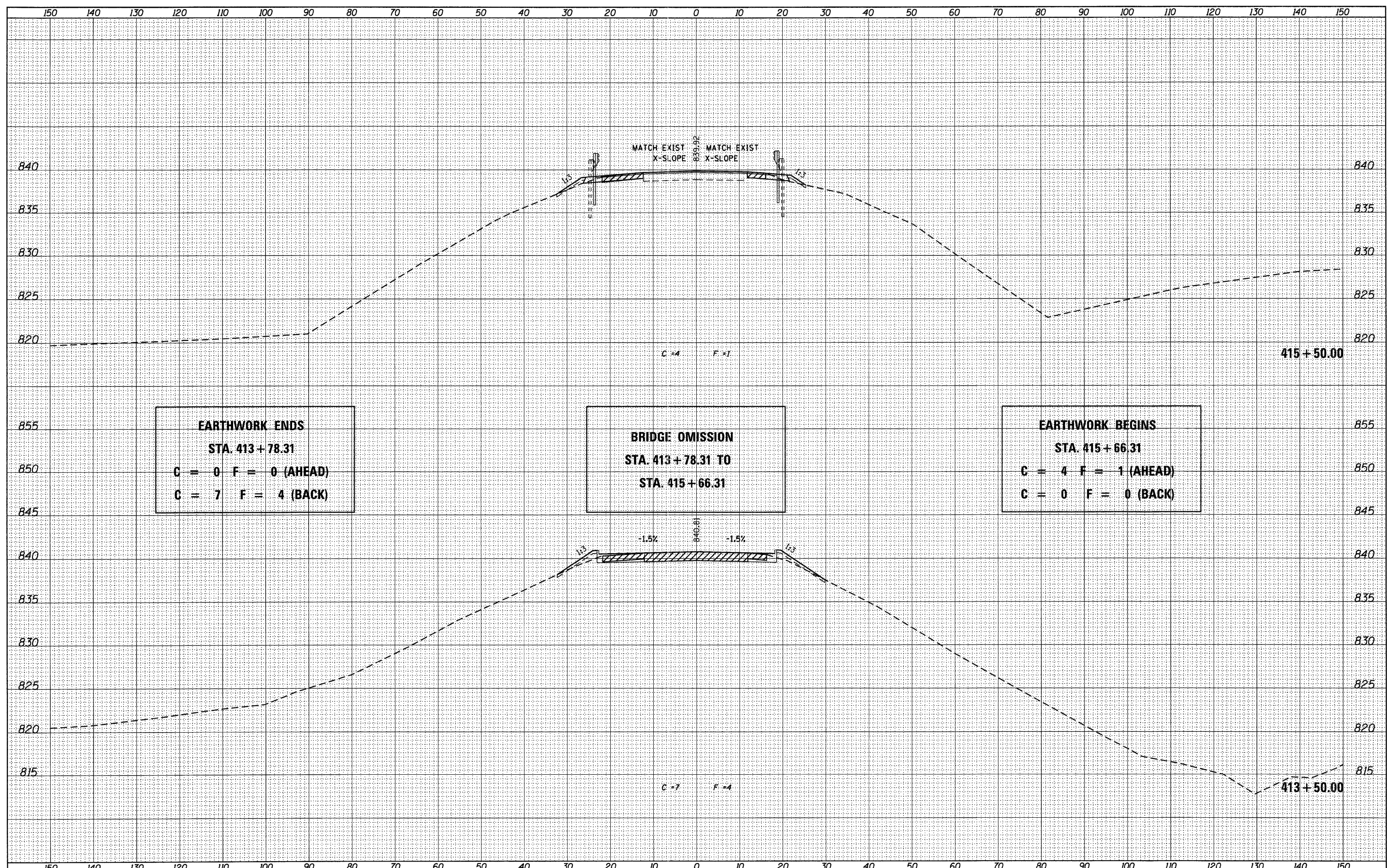
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0006**  
 SCALE: 1" = 10'  
 SHEET NO. OF SHEETS STA. 412+50.00 TO STA. 413+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JODAVIESS	309	277
			CONTRACT NO. 64C94	
ILLINOIS FED. AID PROJECT				

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

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



USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = Z203207-WB006-ssht.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:20:11 AM	CHECKED -	REVISED -

**WHKS & CO.**  
 ENGINEERING

1701 ROUTE 35 NORTH  
 EAST DUBUQUE, IL 61025  
 (815) 747-8833  
 DESIGN FIRM #184001036

**STATE OF ILLINOIS**  
 DEPARTMENT OF TRANSPORTATION

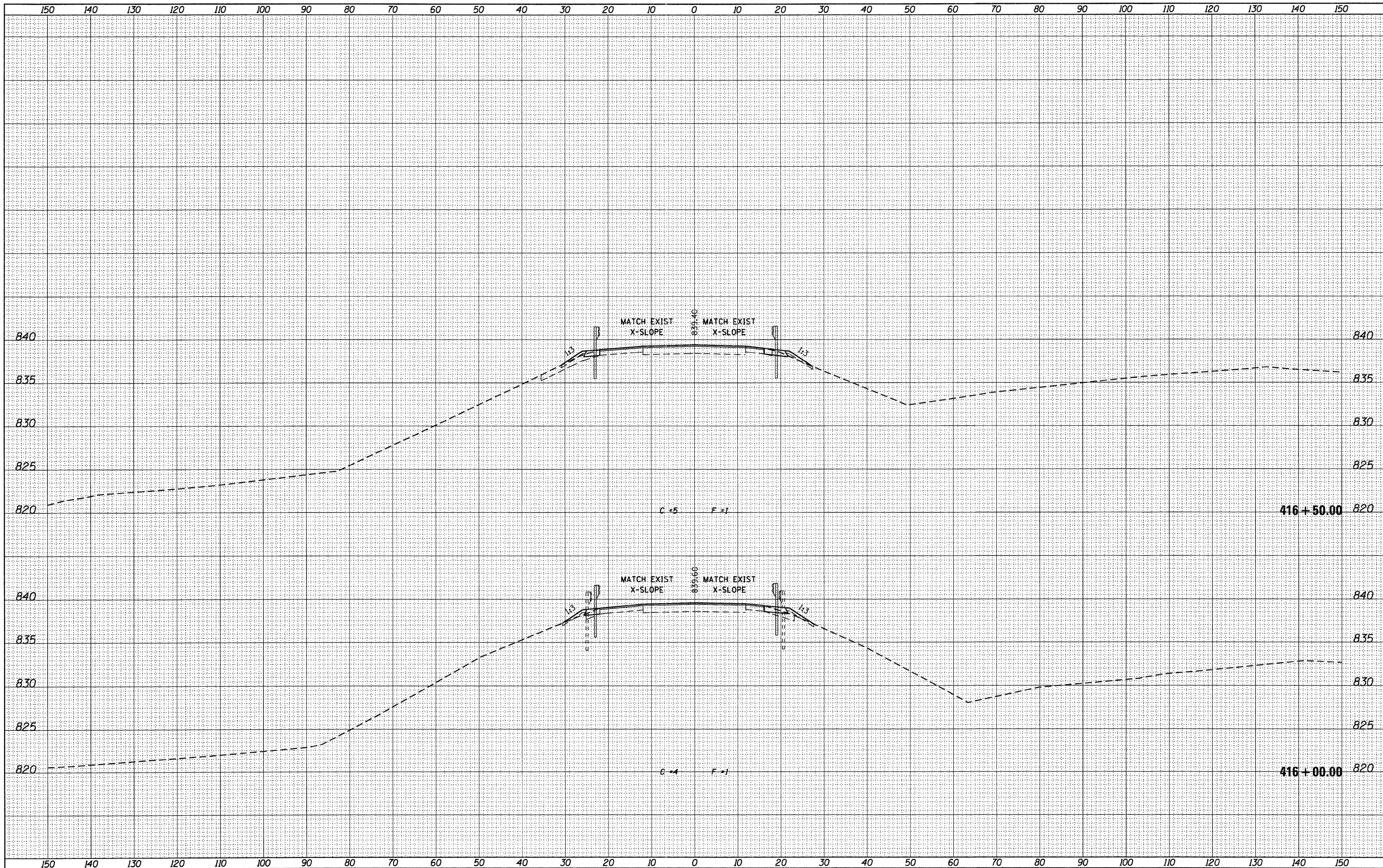
**US 20 CROSS SECTIONS**  
 SN 043-0006

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 413+50.00 TO STA. 415+50.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 278
CONTRACT NO. 64C94			[ILLINOIS] FED. AID PROJECT	

FINAL SURVEY	DATE
REVISIONS	BY
NOTED	
PLANNED	
AREAS	
CHECKED	

ORIGINAL SURVEY	DATE
REVISIONS	BY
NOTED	
PLANNED	
AREAS	
CHECKED	



USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = 2203207-WB006-wsht.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:20:12 AM	CHECKED -	REVISED -

DESIGNED -	REVISED -
CHECKED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

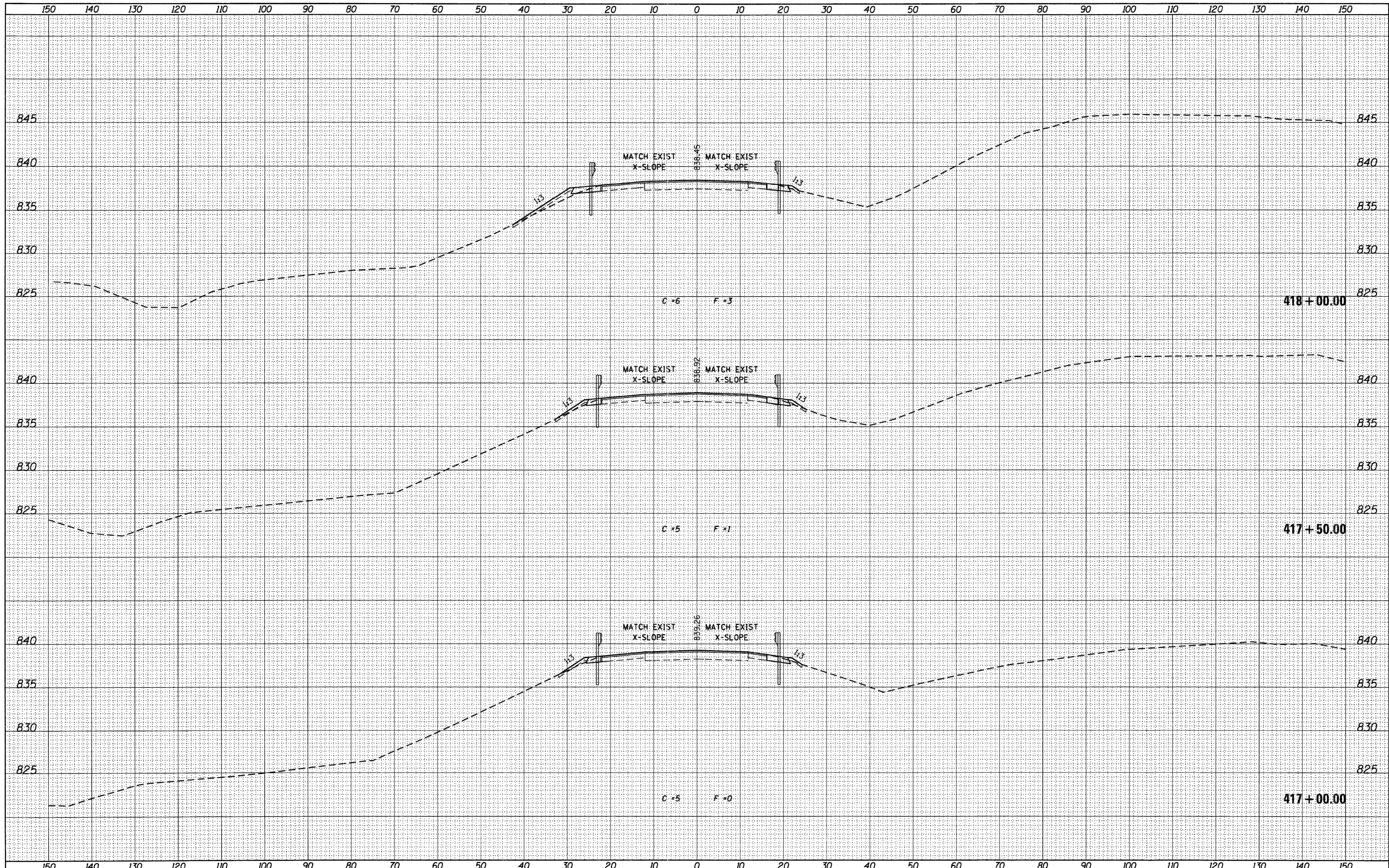
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0006**  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 416+00.00 TO STA. 416+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JODAVIESS	309	279
				CONTRACT NO. 64C94
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
REVISED	BY
NOTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

ORIGINAL SURVEY	DATE
REVISED	BY
NOTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = 2203207-WB006-ssht.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:20:13 AM	CHECKED -	REVISED -

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

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

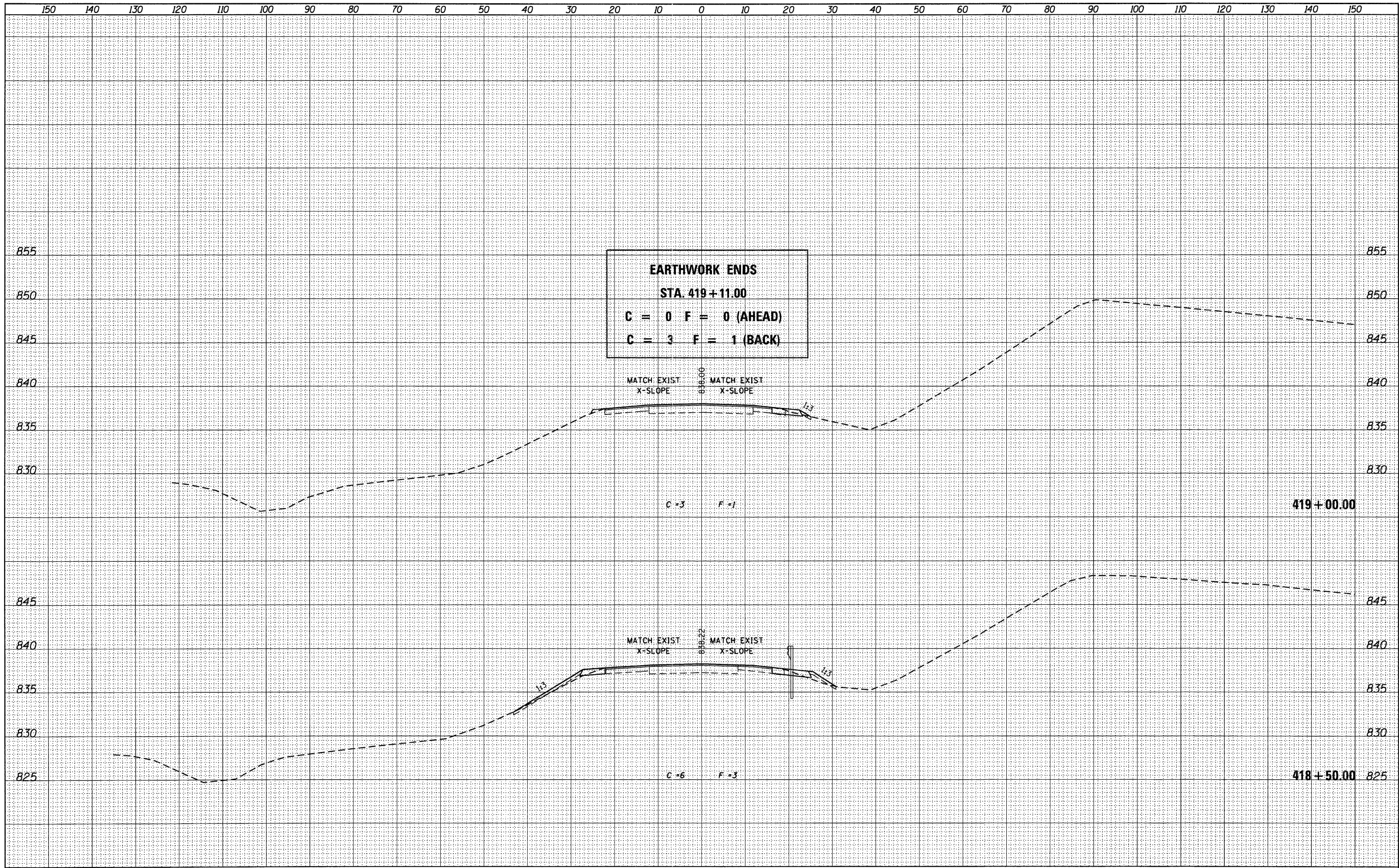
**US 20 CROSS SECTIONS**  
**SN 043-0006**  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 417+00.00 TO STA. 418+00.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 280
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	



DATE	
BY	
DESIGNED	
CHECKED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	

DATE	
BY	
DESIGNED	
CHECKED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	



**EARTHWORK ENDS**  
**STA. 419+11.00**  
**C = 0 F = 0 (AHEAD)**  
**C = 3 F = 1 (BACK)**

USER NAME = g_jameson	DESIGNED -	REVISIED -
FILE NAME = Z203207-WB006-xssht.dgn	CHECKED -	REVISIED -
PLOT DATE = 12/6/2011	DRAWN -	REVISIED -
PLOT TIME = 10:20:13 AM	CHECKED -	REVISIED -

**WHKS & CO.**  
**ENGINEERING**  
 1701 ROUTE 35 NORTH  
 EAST DUBUQUE, IL 61025  
 (815) 747-8833  
 DESIGN FIRM #184001036

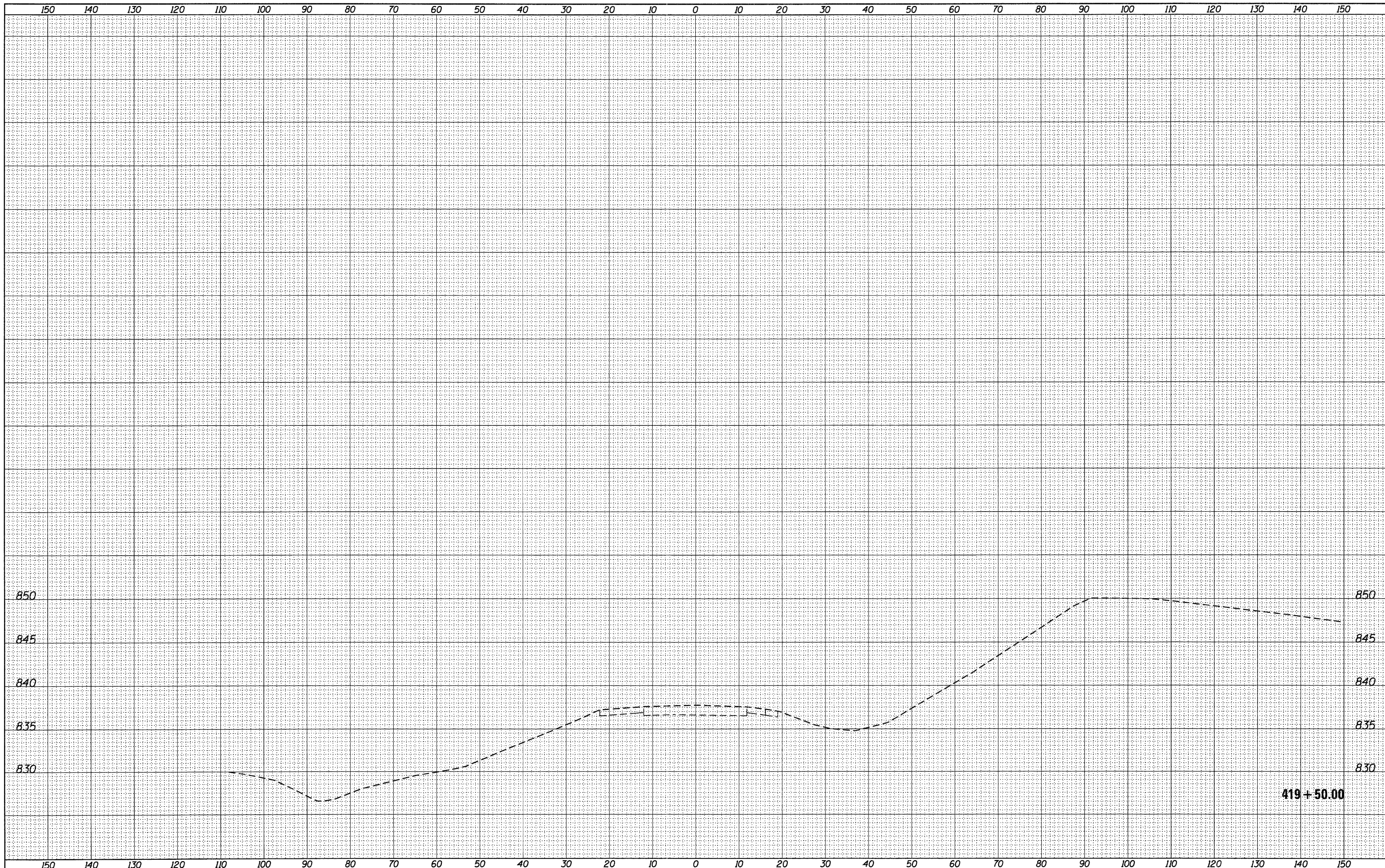
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0006**  
 SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 418+50.00 TO STA. 419+00.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 281
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINN	
SURVEY	
NOTE BOOK	
NO.	
REVISED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

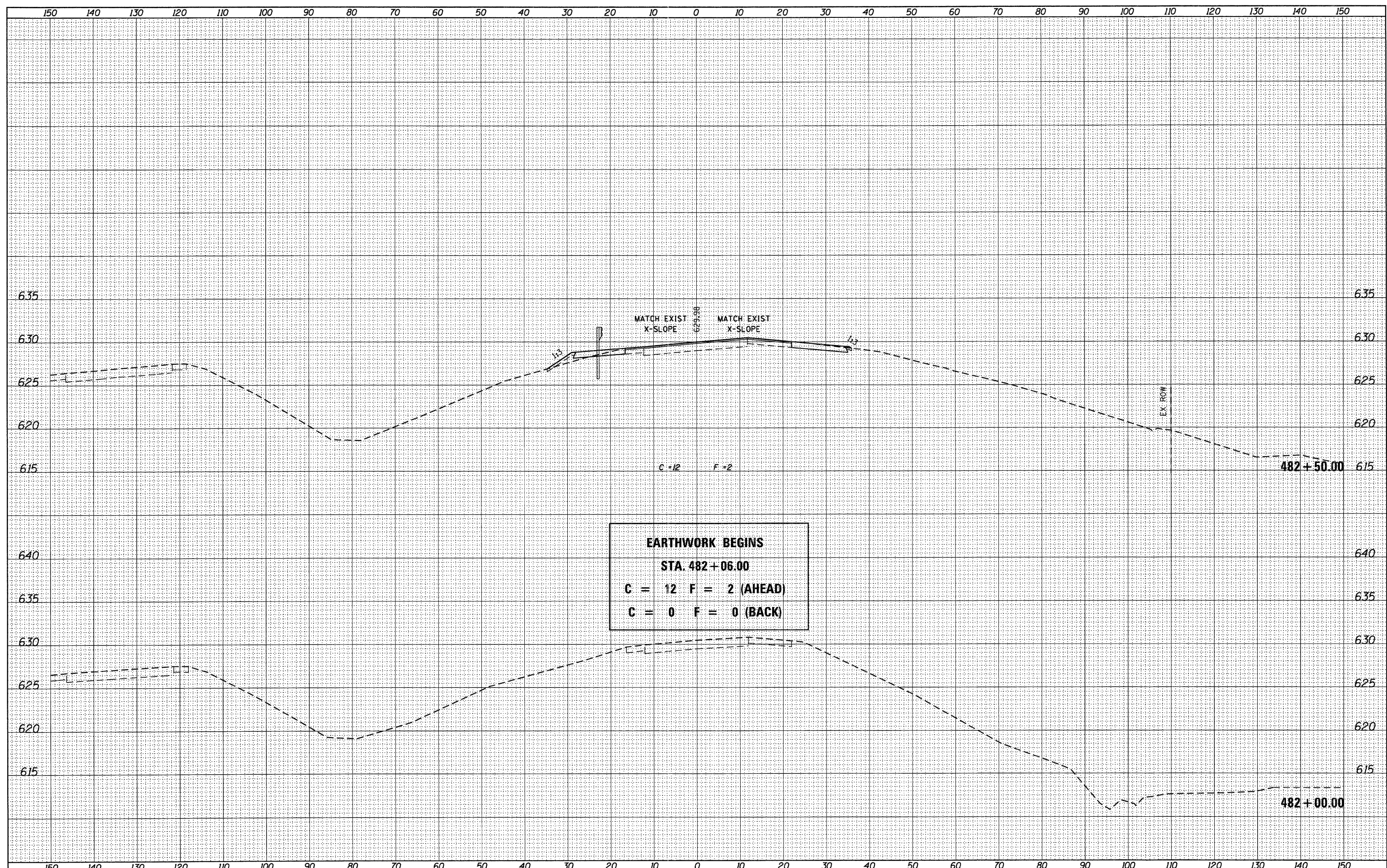
DATE	
BY	
ORIGINAL	
SURVEY	
NOTE BOOK	
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REVISED	
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TEMPLATE	
AREAS	
CHECKED	



USER NAME = g_jameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>US 20 CROSS SECTIONS</b> <b>SN 043-0006</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = 2203207-WB006-xssh.dgn	CHECKED -	REVISED -						301	(43B,44B,44HB,45B)D	JODAVIESS	309	282
PLOT DATE = 12/6/2011	DRAWN -	REVISED -			SCALE: 1" = 10'    SHEET NO.    OF    SHEETS    STA. 419+50.00    TO    STA. 419+50.00			CONTRACT NO. 64C94				
PLOT TIME = 10:20:14 AM	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT							

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

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



**EARTHWORK BEGINS**  
**STA. 482+06.00**  
**C = 12 F = 2 (AHEAD)**  
**C = 0 F = 0 (BACK)**

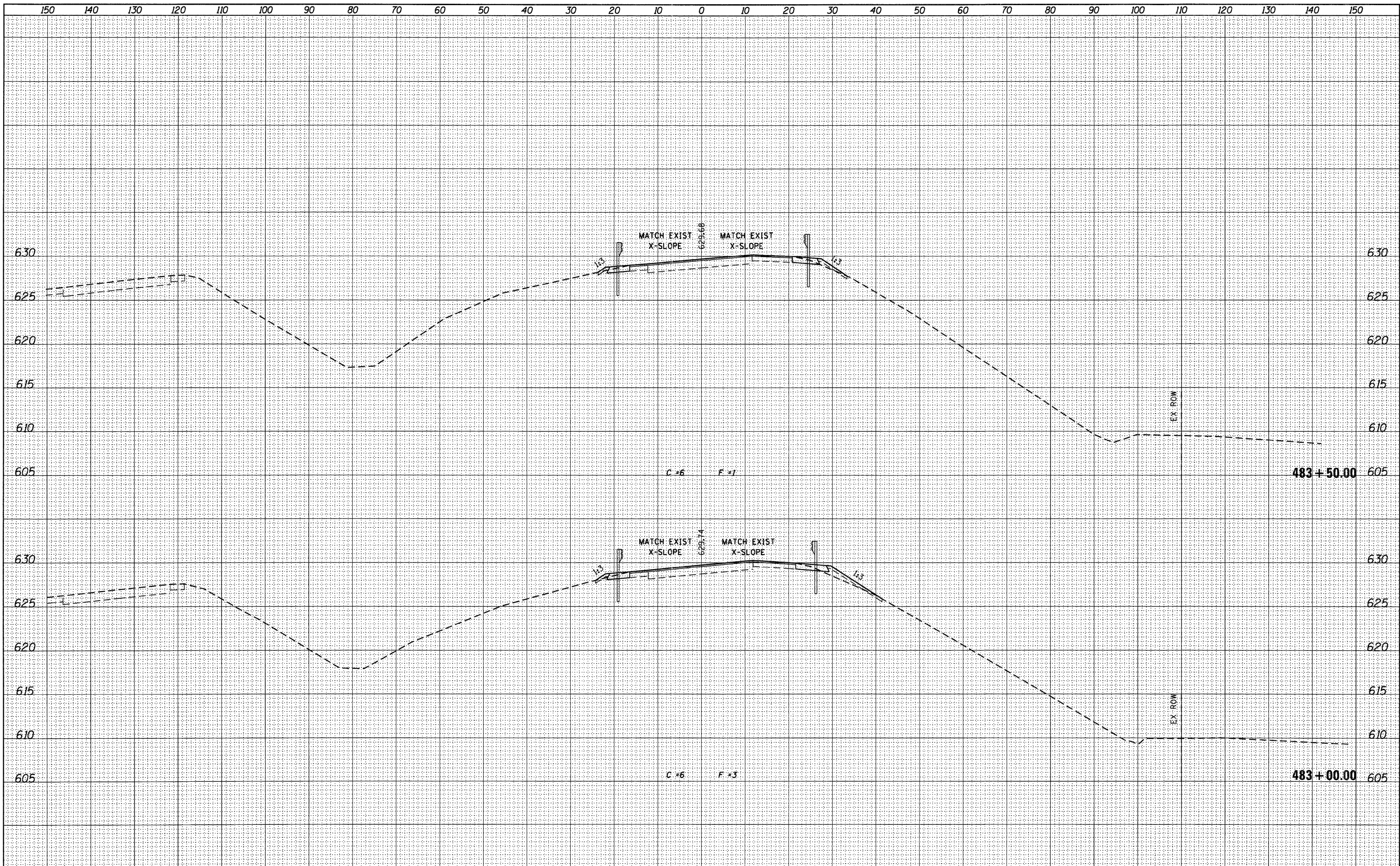
USER NAME = g.jameson	DESIGNED -	REVISED -
FILE NAME = Z203207-EB007-xssht.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:20:15 AM	CHECKED -	REVISED -

**WHKS & CO.**  
**ENGINEERING**  
 1701 ROUTE 35 NORTH  
 EAST DUBUQUE, IL 61025  
 (815) 747-8833  
 DESIGN FIRM #184001036

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

**US 20 CROSS SECTIONS**  
**SN 043-0007**  
 SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 482+00.00 TO STA. 482+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JODAVIESS	309	283
			CONTRACT NO. 64C94	
ILLINOIS FED. AID PROJECT				



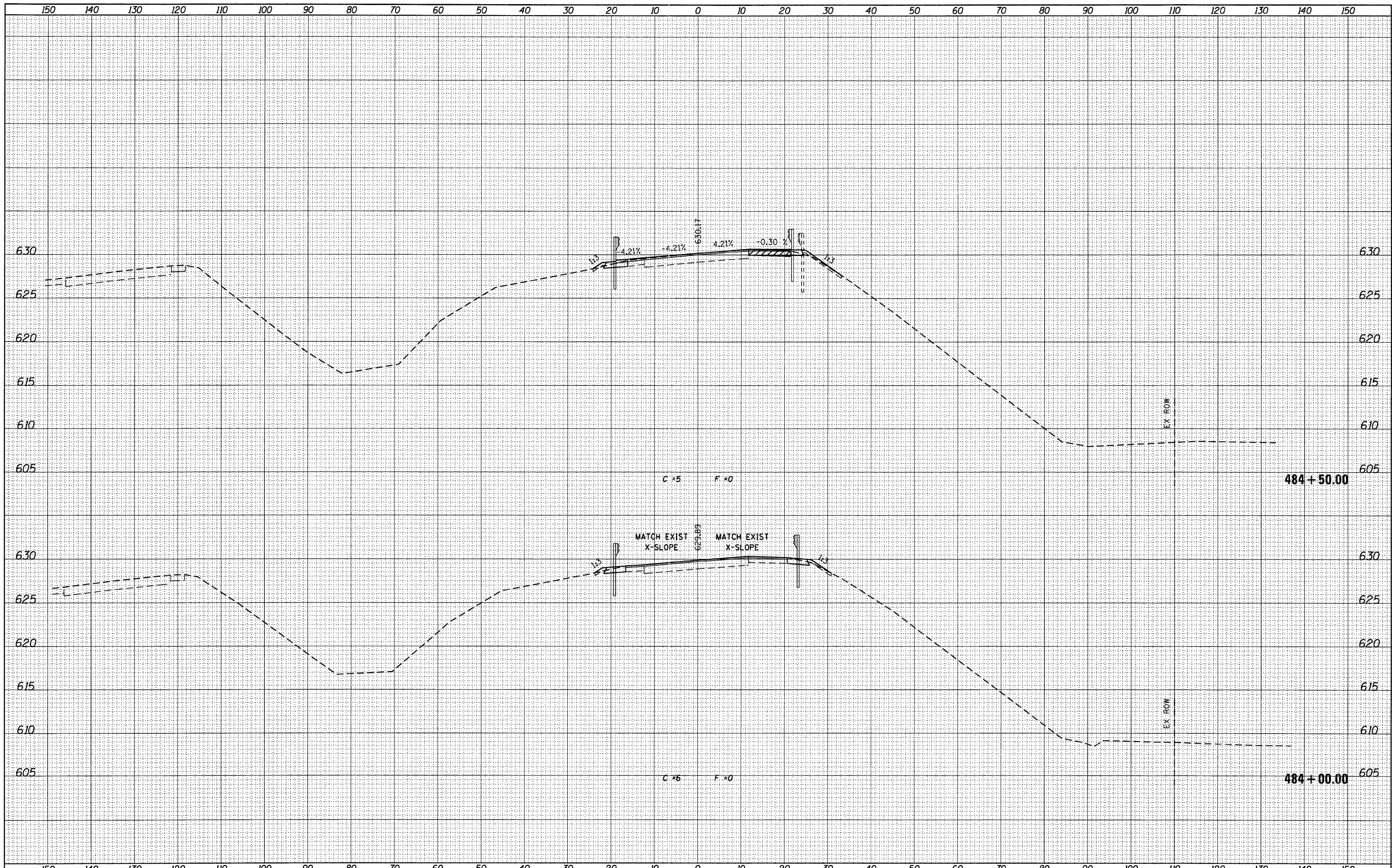
FINAL SURVEY	BY	DATE
NOTED		
TEMPLATE		
NOTE BOOK		
AREAS CHECKED		
NO.		

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

USER NAME = g_jameson FILE NAME = Z203207-EB007-xasht.dgn PLOT DATE = 12/6/2011 PLOT TIME = 10:20:16 AM	DESIGNED - CHECKED - DRAWN - CHECKED -	REVISED - REVISED - REVISED - REVISED -	<b>WHKS &amp; CO.</b> <b>ENGINEERING</b> 1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>US 20 CROSS SECTIONS</b> <b>SN 043-0007</b> SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 483+00.00 TO STA. 483+50.00	F.A.P. RTE. 301 SECTION (43B,44B,44HB,45B)D COUNTY JODAVIESS CONTRACT NO. 64C94	TOTAL SHEETS 309 SHEET NO. 284 ILLINOIS FED. AID PROJECT
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DATE	
BY	
DESIGNED	
CHECKED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
AREAS CHECKED	
NO.	

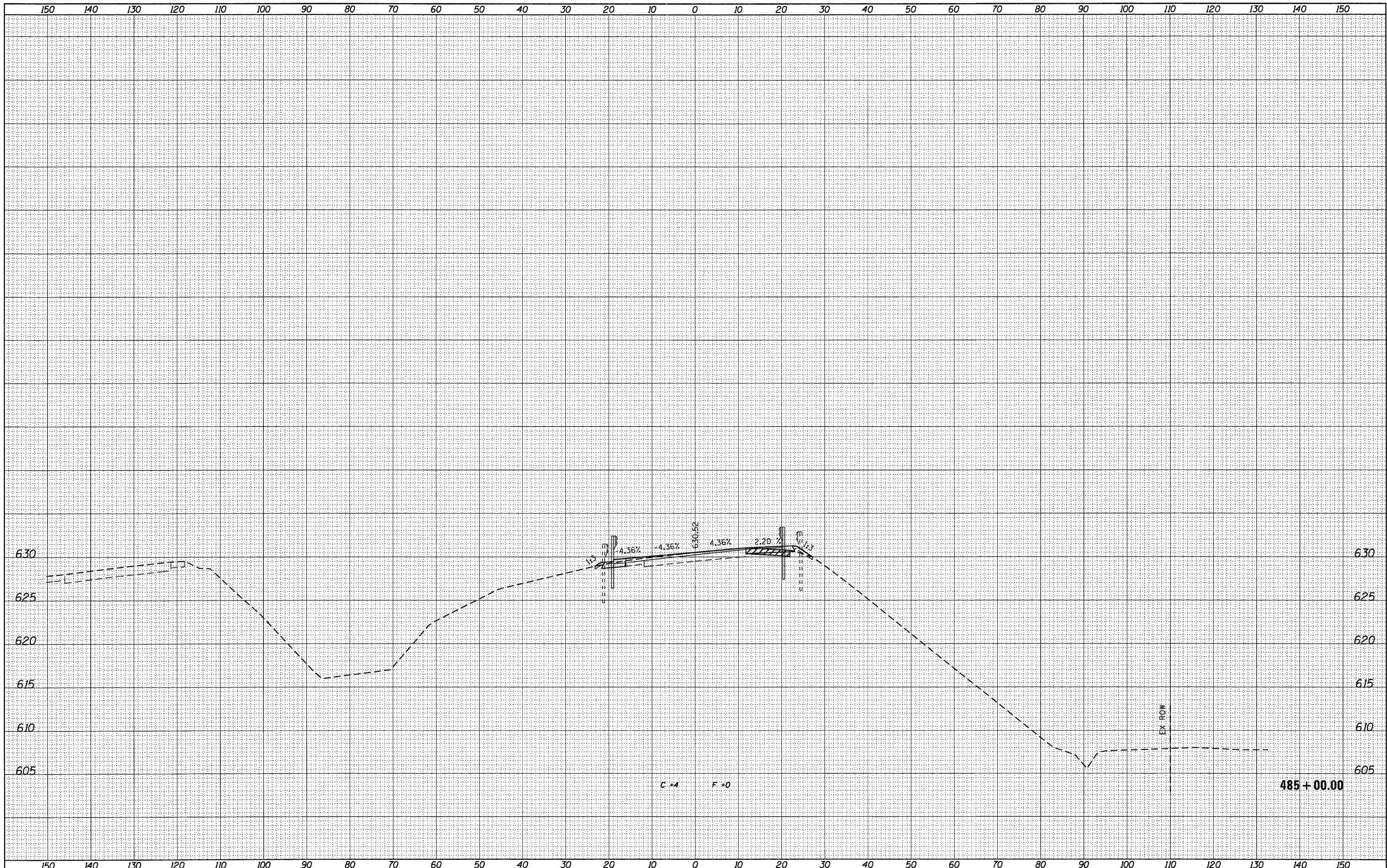
DATE	
BY	
DESIGNED	
CHECKED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
AREAS CHECKED	
NO.	



USER NAME = g_jameson	DESIGNED -	REVISIED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>				<b>US 20 CROSS SECTIONS</b> <b>SN 043-0007</b>				F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 285
FILE NAME = Z283207-EB007-xssht.dgn	CHECKED -	REVISIED -							SCALE: 1" = 10'				SHEET NO.	OF	SHEETS	STA. 484+00.00	TO STA. 484+50.00
PLOT DATE = 12/6/2011	DRAWN -	REVISIED -															
PLOT TIME = 10:20:16 AM	CHECKED -	REVISIED -															

FINAL SURVEY	BY	DATE
SURVEYED		
NOTED		
PLotted		
TEMPERATURE		
AREAS		
CHECKED		
NO.		

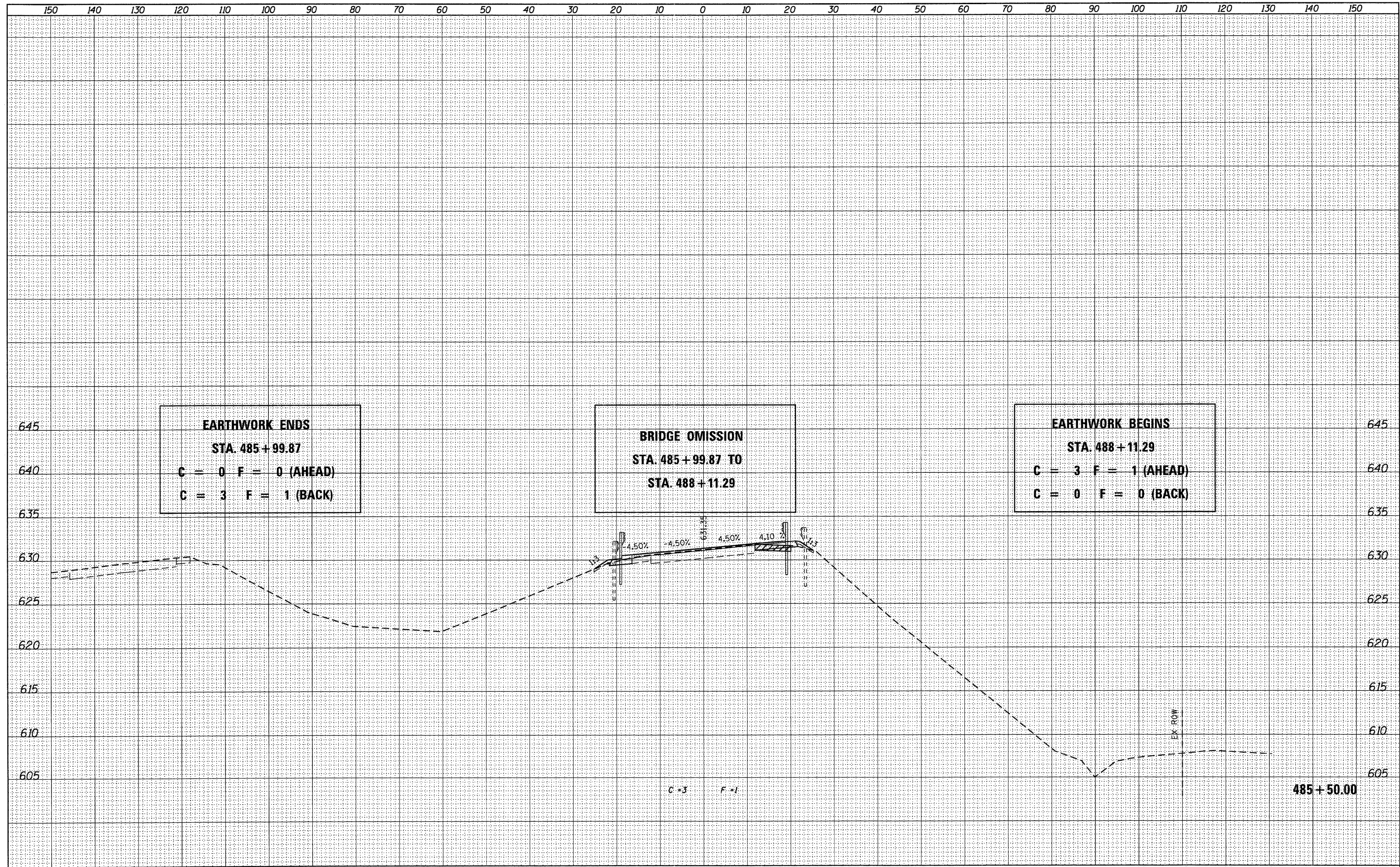
ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTED		
PLotted		
TEMPERATURE		
AREAS		
CHECKED		
NO.		



USER NAME = g_jameson FILE NAME = 2283287-EB007-xssh.dgn PLOT DATE = 12/6/2011 PLOT TIME = 10:20:17 AM	DESIGNED - CHECKED - DRAWN - CHECKED -	REVISED - REVISED - REVISED - REVISED -	<b>WHKS &amp; co.</b> <b>ENGINEERING</b> 1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>US 20 CROSS SECTIONS</b> <b>SN 043-0007</b> SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 485+00.00 TO STA. 485+00.00	F.A.P. RTE. 301 SECTION (43B,44B,44HB,45B)D COUNTY JODAVIESS TOTAL SHEETS 309 SHEET NO. 286 CONTRACT NO. 64C94	(ILLINOIS) FED. AID PROJECT
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DATE	
BY	
SUBMITTED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SUBMITTED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



**EARTHWORK ENDS**  
**STA. 485 + 99.87**  
**C = 0 F = 0 (AHEAD)**  
**C = 3 F = 1 (BACK)**

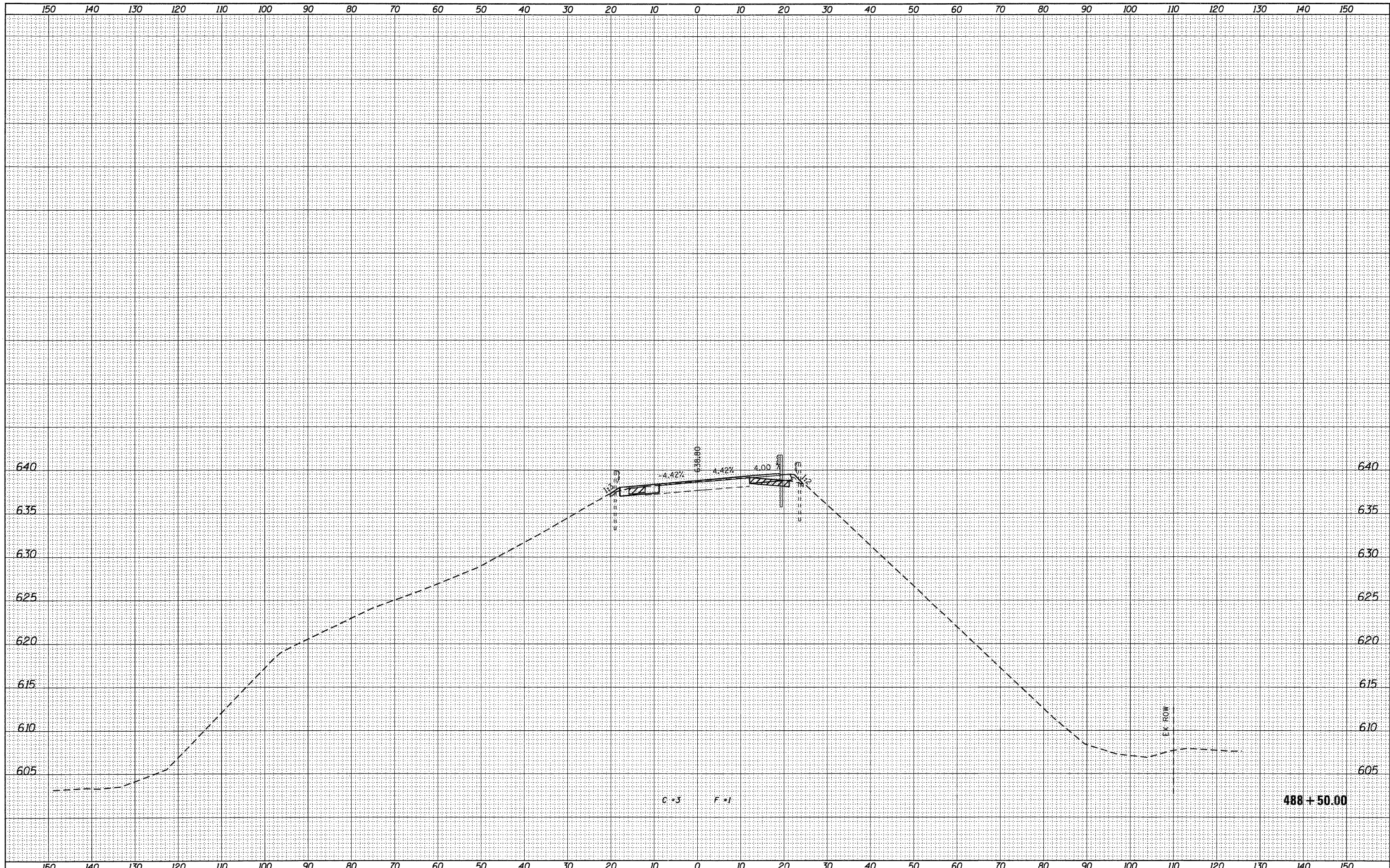
**BRIDGE OMISSION**  
**STA. 485 + 99.87 TO**  
**STA. 488 + 11.29**

**EARTHWORK BEGINS**  
**STA. 488 + 11.29**  
**C = 3 F = 1 (AHEAD)**  
**C = 0 F = 0 (BACK)**

USER NAME = gjameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>US 20 CROSS SECTIONS</b> <b>SN 043-0007</b>				F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 287
FILE NAME = 2203207-EB007-wsht.dgn	CHECKED -	REVISED -							SCALE: 1" = 10'	SHEET NO.	OF SHEETS	STA. 485+50.00 TO STA. 485+50.00	CONTRACT NO. 64C94
PLOT DATE = 12/6/2011	DRAWN -	REVISED -							ILLINOIS FED. AID PROJECT				
PLOT TIME = 10:26:18 AM	CHECKED -	REVISED -											

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

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



USER NAME = g_jameson	DESIGNED -	REVISIONS -
FILE NAME = 2203207-E8007-xssh.t.dgn	CHECKED -	REVISIONS -
PLOT DATE = 12/6/2011	DRAWN -	REVISIONS -
PLOT TIME = 10:20:18 AM	CHECKED -	REVISIONS -

DESIGNED -	REVISIONS -
CHECKED -	REVISIONS -
DRAWN -	REVISIONS -
CHECKED -	REVISIONS -

**WHKS & CO.**  
ENGINEERING

1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

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

**US 20 CROSS SECTIONS**  
**SN 043-0007**

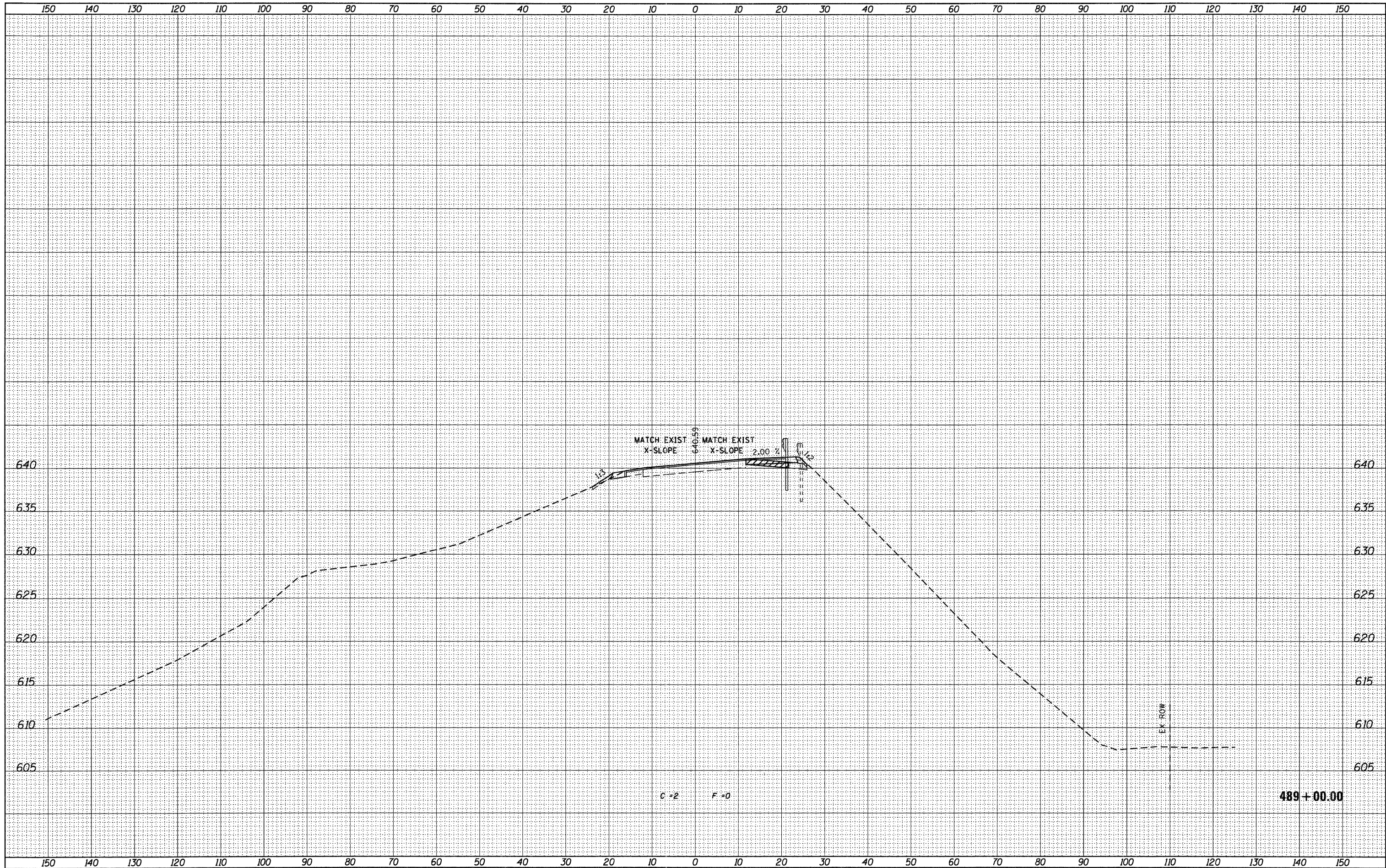
SCALE: 1" = 10'    SHEET NO.    OF    SHEETS    STA. 488+50.00 TO STA. 488+50.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 288
			CONTRACT NO. 64C94	
ILLINOIS FED. AID PROJECT				



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

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



USER NAME = g_jameson	DESIGNED -	REVISED -
FILE NAME = Z203207-EB007-xssh.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:20:19 AM	CHECKED -	REVISED -

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

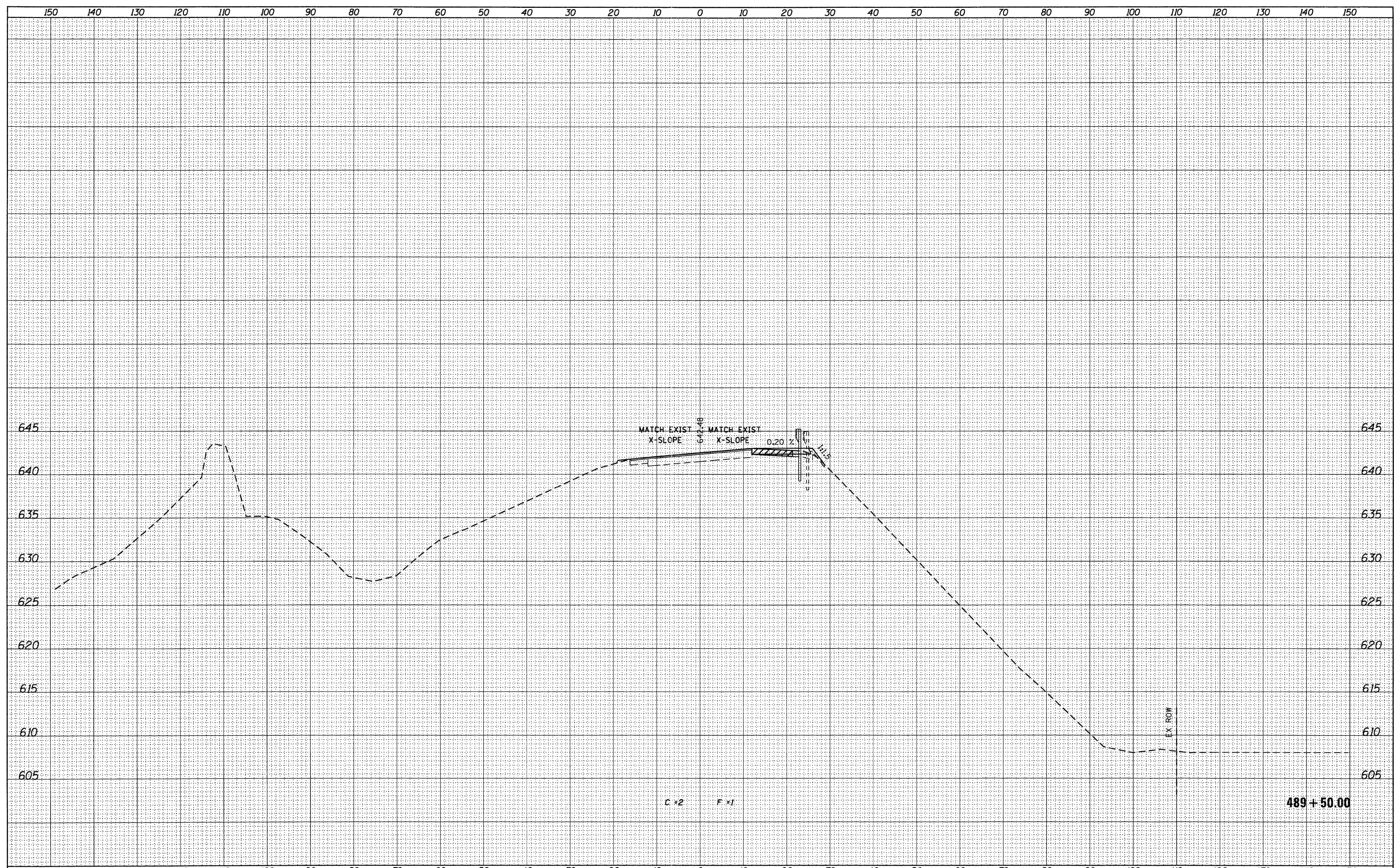
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0007**  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 489+00.00 TO STA. 489+00.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 289
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

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

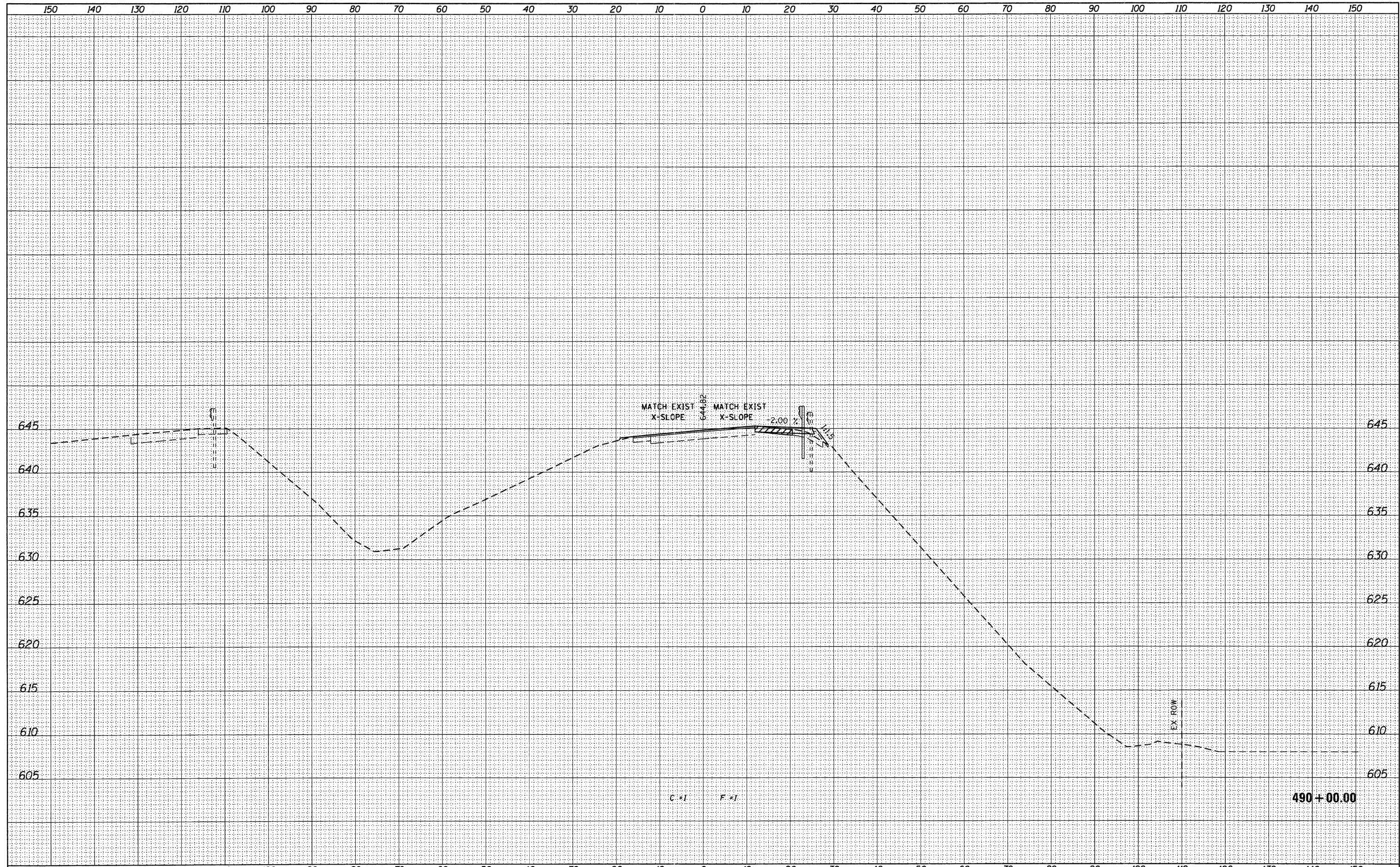
DATE	
BY	
ORIGINAL SURVEY	SUBMITTED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



USER NAME = g_jameson	DESIGNED -	REVISED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>				<b>US 20 CROSS SECTIONS</b> <b>SN 043-0007</b>				F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 290
FILE NAME = Z283207-EB007-xssht.dgn	CHECKED -	REVISED -			SCALE: 1" = 10'				SHEET NO.	OF	SHEETS	STA. 489+50.00	TO STA. 489+50.00	CONTRACT NO. 64C94			
PLOT DATE = 12/6/2011	DRAWN -	REVISED -			[ILLINOIS] FED. AID PROJECT												
PLOT TIME = 10:20:20 AM	CHECKED -	REVISED -															

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

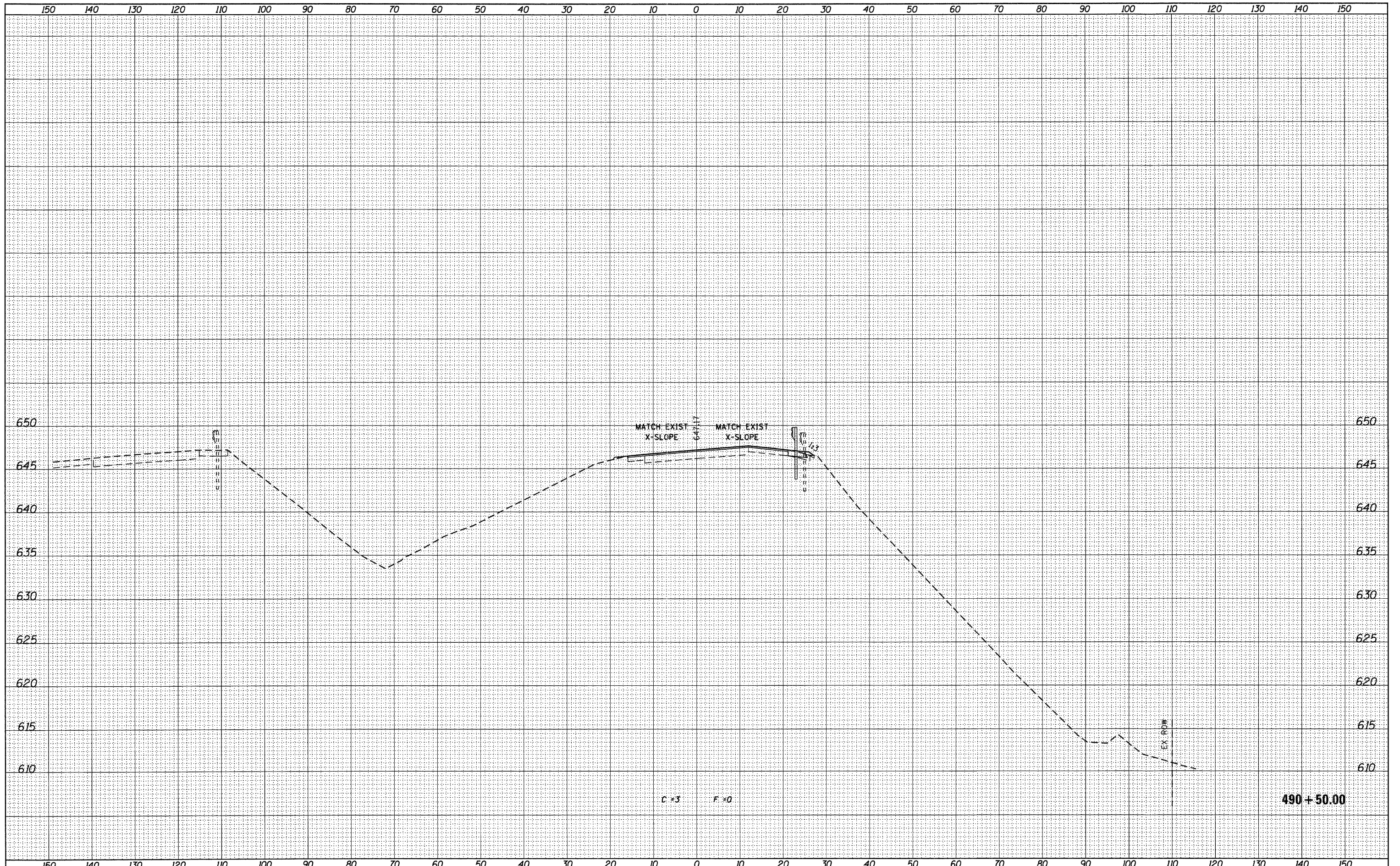
ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	



USER NAME = g_jameson	DESIGNED -	REVISIED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>			<b>US 20 CROSS SECTIONS</b> <b>SN 043-0007</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = Z203207-EB007-xash.t.dgn	CHECKED -	REVISIED -									301	(43B,44B,44HB,45B)D	JODAVIESS	309	291
PLOT DATE = 12/6/2011	DRAWN -	REVISIED -			SCALE: 1" = 10'			SHEET NO.	OF	SHEETS	STA. 490+00.00	TO STA. 490+00.00	ILLINOIS FED. AID PROJECT		
PLOT TIME = 10:20:20 AM	CHECKED -	REVISIED -									CONTRACT NO. 64C94				

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

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



USER NAME = gjameson	DESIGNED -	REVISED -
FILE NAME = Z203207-EB007-xssht.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:20:21 AM	CHECKED -	REVISED -

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

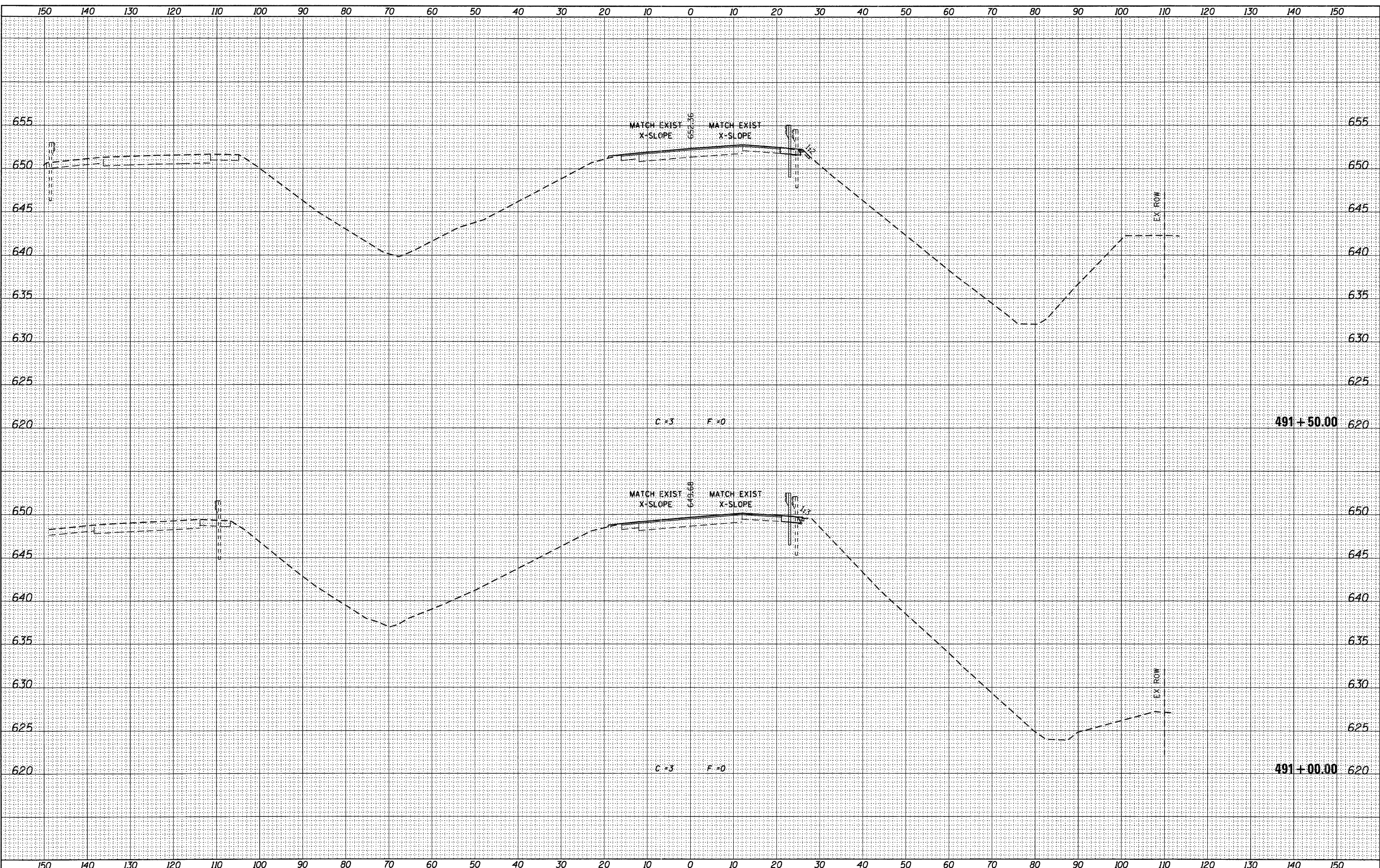
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>US 20 CROSS SECTIONS</b>	
<b>SN 043-0007</b>	
SCALE: 1" = 10'	SHEET NO. OF SHEETS STA. 490+50.00 TO STA. 490+50.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 292
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64C94	

DATE	
BY	
DESIGNED	
CHECKED	
DRAWN	
REVISIONS	
NO.	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
DESIGNED	
CHECKED	
DRAWN	
REVISIONS	
NO.	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



USER NAME =	g_jameson
FILE NAME =	2203207-EB007-ssht.dgn
PLOT DATE =	12/6/2011
PLOT TIME =	10:20:21 AM

DESIGNED -	REVISIONS
CHECKED -	REVISIONS
DRAWN -	REVISIONS
CHECKED -	REVISIONS

**WHKS & CO.**  
ENGINEERING  
1701 ROUTE 35 NORTH  
EAST DUBUQUE, IL 61025  
(815) 747-8833  
DESIGN FIRM #184001036

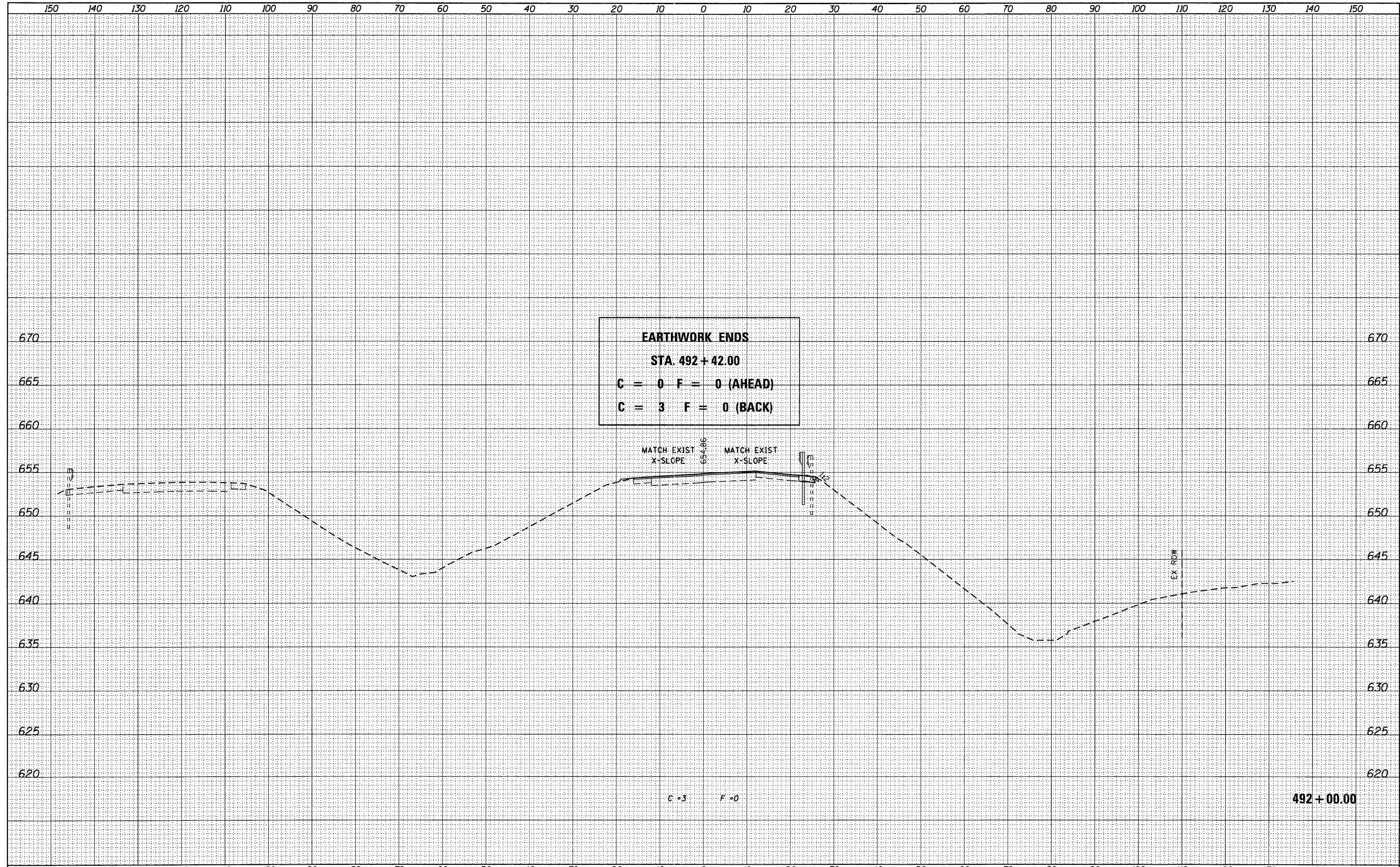
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0007**  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 491+00.00 TO STA. 491+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45B)D	JODAVIESS	309	293
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

DATE	
BY	
REVISED	
NOTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
REVISED	
NOTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



**EARTHWORK ENDS**  
**STA. 492+42.00**  
**C = 0 F = 0 (AHEAD)**  
**C = 3 F = 0 (BACK)**

USER NAME = g.jameson	DESIGNED -	REVISED -
FILE NAME = Z203207-EB007-xshd.dgn	CHECKED -	REVISED -
PLOT DATE = 12/6/2011	DRAWN -	REVISED -
PLOT TIME = 10:20:22 AM	CHECKED -	REVISED -

**WHKS & CO.**  
**ENGINEERING**  
 1701 ROUTE 35 NORTH  
 EAST DUBUQUE, IL 61025  
 (815) 747-8833  
 DESIGN FIRM #184001036

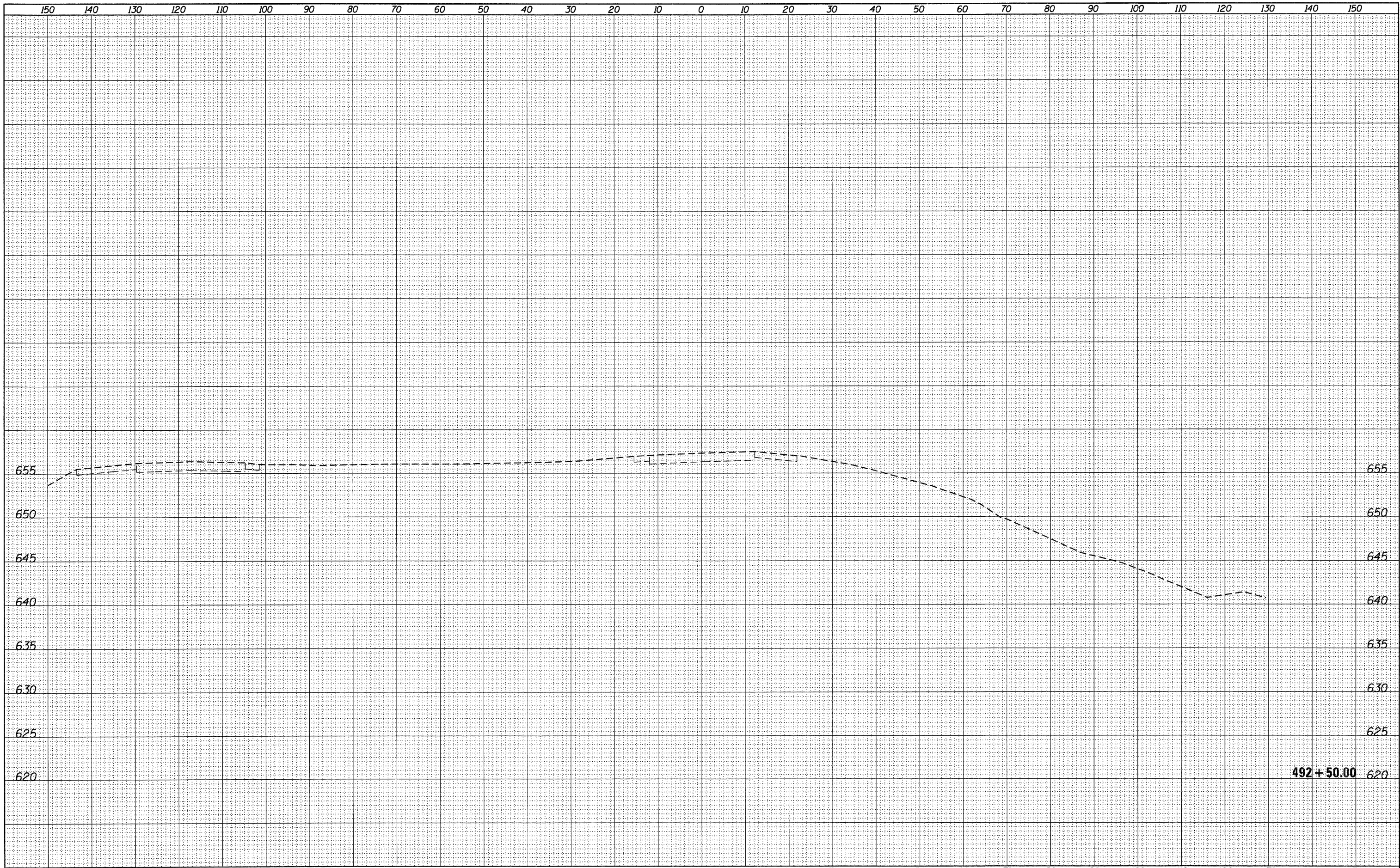
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 20 CROSS SECTIONS**  
**SN 043-0007**  
 SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 492+00.00 TO STA. 492+00.00

F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JODAVIESS	TOTAL SHEETS 309	SHEET NO. 294
CONTRACT NO. 64C94			ILLINOIS FED. AID PROJECT	

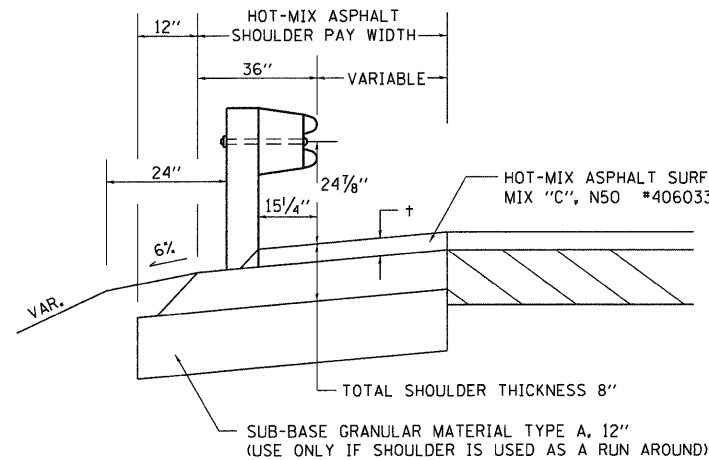
DATE	
BY	
TURNED IN	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
TURNED IN	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



USER NAME = g_jameson	DESIGNED -	REVISIED -		1701 ROUTE 35 NORTH EAST DUBUQUE, IL 61025 (815) 747-8833 DESIGN FIRM #184001036	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>				<b>US 20 CROSS SECTIONS</b> <b>SN 043-0007</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = Z203207-EB0077-xssh.tdgn	CHECKED -	REVISIED -			301	(43B,44B,44HB,45B)D	JODAVIESS	309	295								
PLOT DATE = 12/6/2011	DRAWN -	REVISIED -			SCALE: 1" = 10'    SHEET NO. OF SHEETS    STA. 492+50.00 TO STA. 492+50.00				CONTRACT NO. 64C94								
PLOT TIME = 10:20:22 AM	CHECKED -	REVISIED -			ILLINOIS FED. AID PROJECT												

# DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARD RAIL



+ = SEE TYPICAL SECTIONS FOR THICKNESS

### GENERAL NOTES

THE TOP LIFT SHALL NOT BE PLACED BEHIND THE GUARDRAIL POSTS. WHEN PLACING THE TOP LIFT THE RAIL MUST BE REMOVED FROM THE POSTS. THE POST SHALL NOT BE REMOVED.

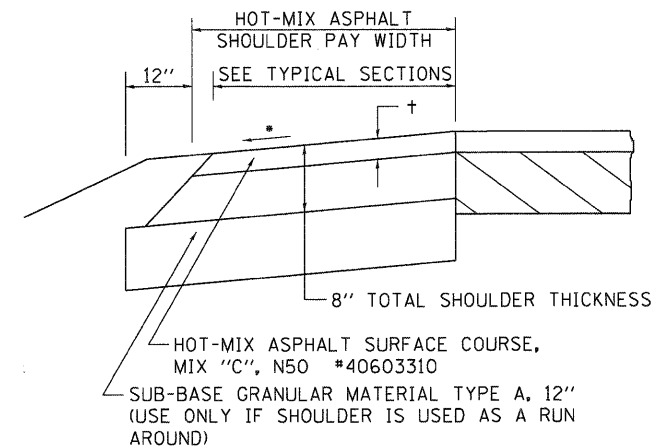
THE HEIGHT OF THE GUARD RAIL SHALL BE SET 24 1/8" FROM THE FINISHED SURFACE.

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED. THE REMOVAL & REINSTALLATION OF THE GUARDRAIL WILL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50.

REVISED - 6-06-11

DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARD RAIL 23.4

# HOT-MIX ASPHALT SHOULDER



+ = SEE TYPICAL SECTIONS FOR THICKNESS

### GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS, THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310.

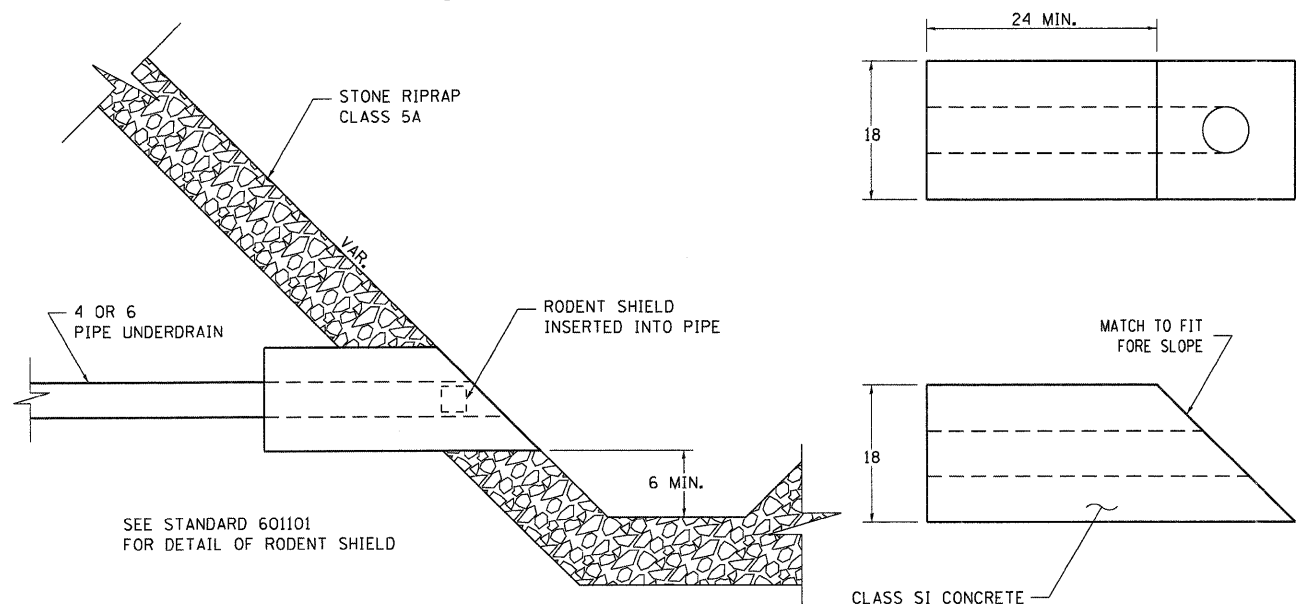
REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

\* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

REVISED - 6-06-11

HOT-MIX ASPHALT SHOULDER 23.4a

# CONCRETE HEADWALLS FOR PIPE DRAINS



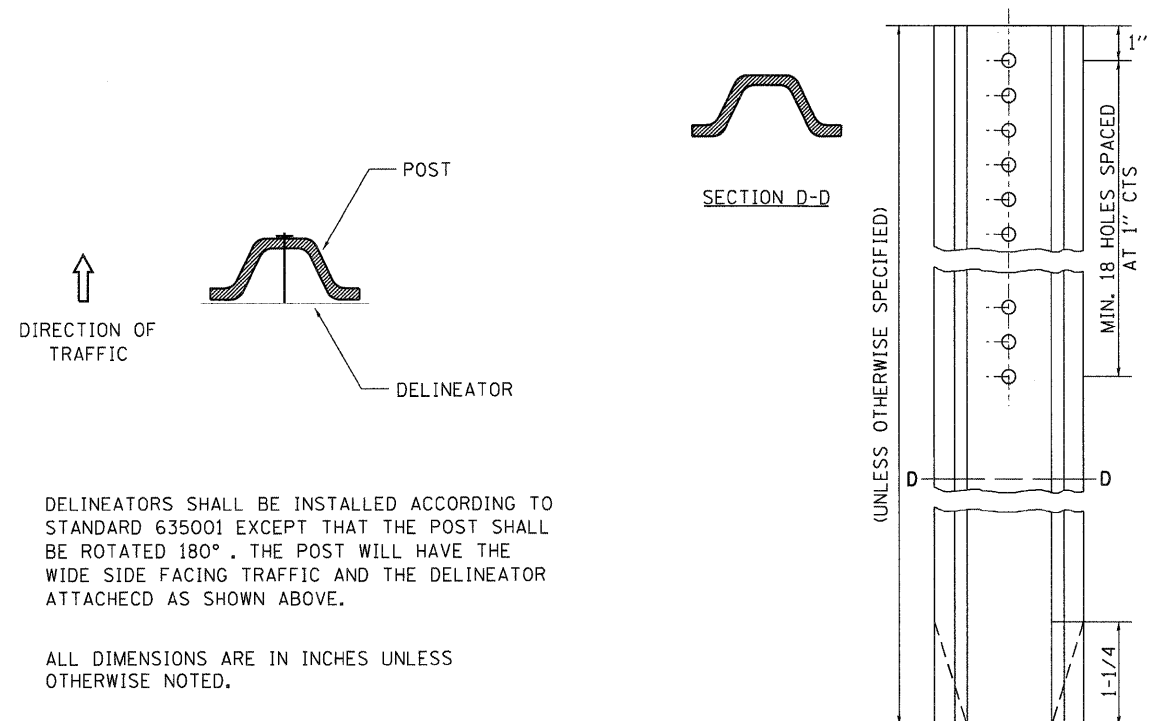
SEE STANDARD 601101 FOR DETAIL OF RODENT SHIELD

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-3-11

CONCRETE HEADWALLS FOR PIPE DRAINS 27.4

# DELINEATOR AND POST ORIENTATION



DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

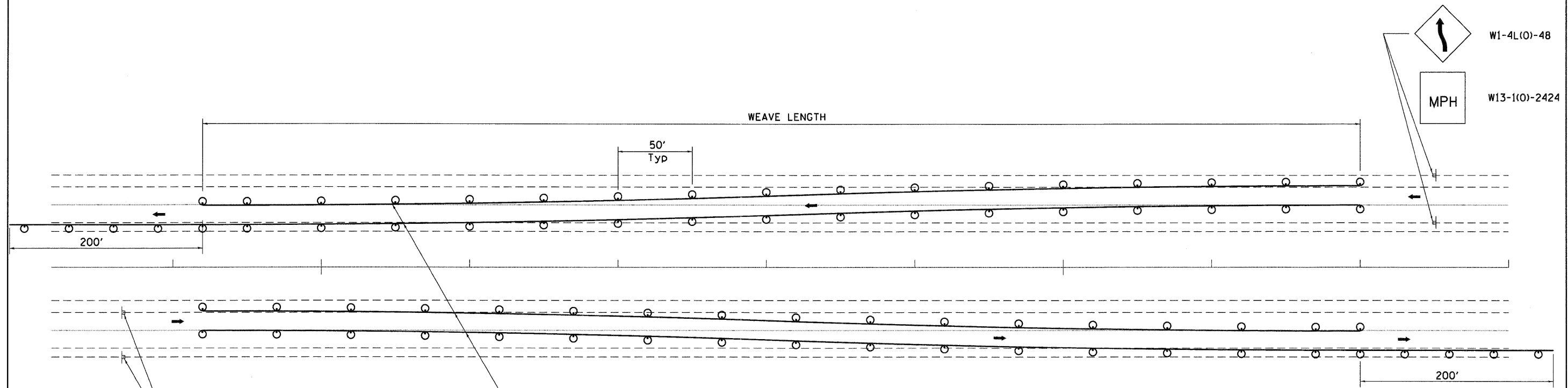
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-3-11	REGION 2 / DISTRICT 2 STANDARD				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -					301	(43B,44B,44HB,45B)D	JO DAVIESS	309	296
REVISED -					CONTRACT NO. 64C94				
REVISED -	SCALE:	SHEET NO. 1 OF 14 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

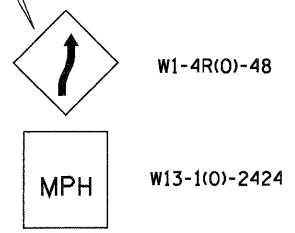
DELINEATOR AND POST ORIENTATION 37.4



# TRAFFIC CONTROL TYPICAL WEAVE



Temporary Pavement Marking required if Typical Weave is used for 14 days or more.



### LEGEND

- DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- ⊢ SIGN ON PERMANENT MOUNT

### DESIGNER NOTE:

1. USE ON LONG 4-LANE PROJECTS WHERE THE CONTRACTOR MAY CHANGE A PORTION OF THE WORK TO THE OPPOSITE LANE.
2. USE WHERE THE PROJECT IS ADJACENT TO ANOTHER AND THE CONTRACTOR COULD BE WORKING ON DIFFERENT LANES.
3. TEMPORARY PAVEMENT MARKING SHALL BE USED WHEN TYPICAL WEAVE IS USED FOR 14 DAYS OR MORE.
4. TRAFFIC CONTROL TYPICAL WEAVE SHALL BE INCLUDED IN THE COST OF THE SPECIFIC TRAFFIC CONTROL STANDARDS OF ITEMS.

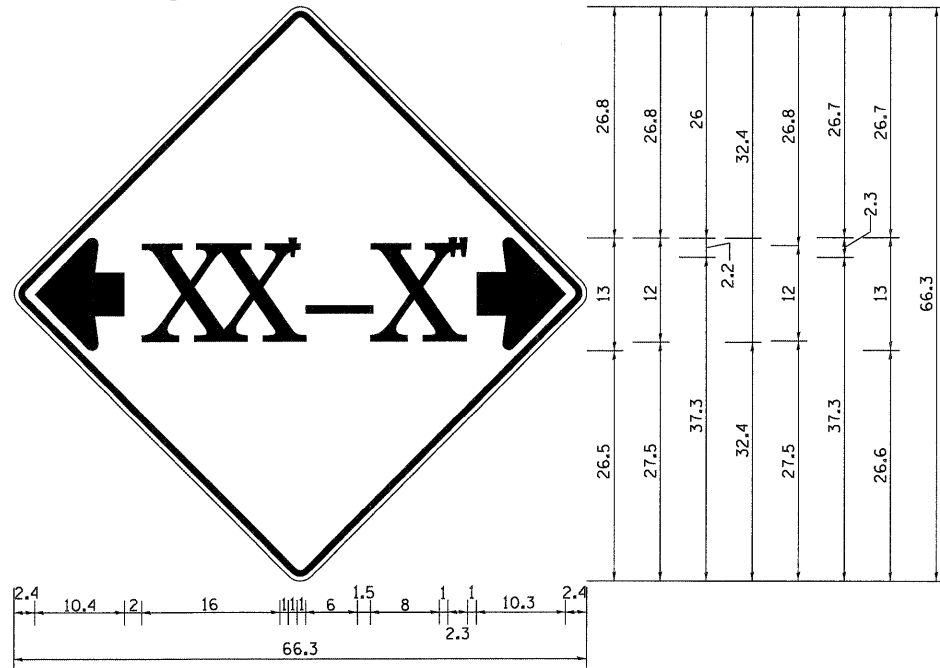
### STANDARD WEAVE CONDITIONS FOR DIFFERENT SPEED LIMITS

POSTED SPEED LIMIT	ADVISORY SPEED LIMIT	WEAVE LENGTH
65 MPH	45 MPH	780 FT.
55 MPH	35 MPH	660 FT.
45 MPH	25 MPH	540 FT.

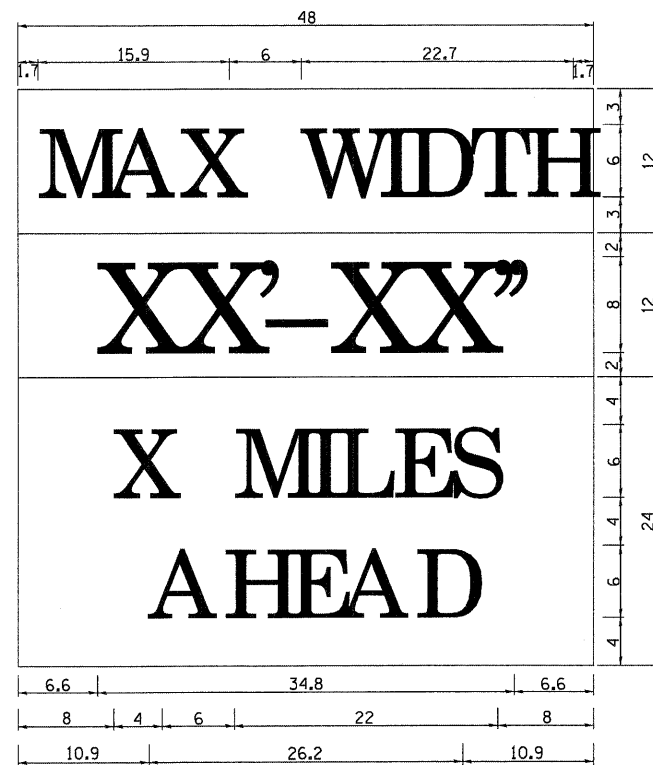
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = g_jameson	DESIGNED -	REVISED - 10-17-11	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Is:\jobs\tdot.d-2\7307 us 20 ph 11\cedd\cedd sheets\003207dis_2.stds.dgn	DRAWN -	REVISED -	301			(43B,44B,44HB,45B)D	JO DAVIESS	309	297	
PLOT SCALE = 51.1818' / IN.	CHECKED -	REVISED -	CONTRACT NO. 64C94							
PLOT DATE = 12/6/2011	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							

# INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES)



**NOTES**  
 W12-2 - Horizontal Clearance Sign  
 48.0" across sides, 1.9" Radius,  
 0.8" Border, 0.5" Indent, Black on  
 Orange; Standard Arrow Custom  
 10.4" X 8.1" 180° Black 11 Inch  
 D Series Lettering; Standard Arrow  
 Custom 10.4" X 8.1" 0°



W12-1103 (Width is 80);  
 No border, Black on White;  
 [MAX WIDTH] D;

No border, Black on Orange;  
 [XX'-XX''] D;

No border, Black on White;  
 [X MILES] D; [AHEAD] D;

All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

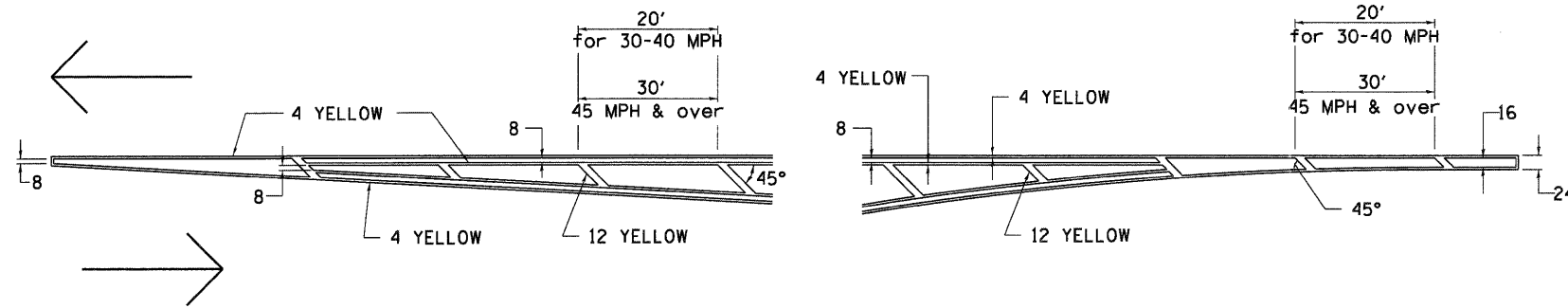
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 5-15-09

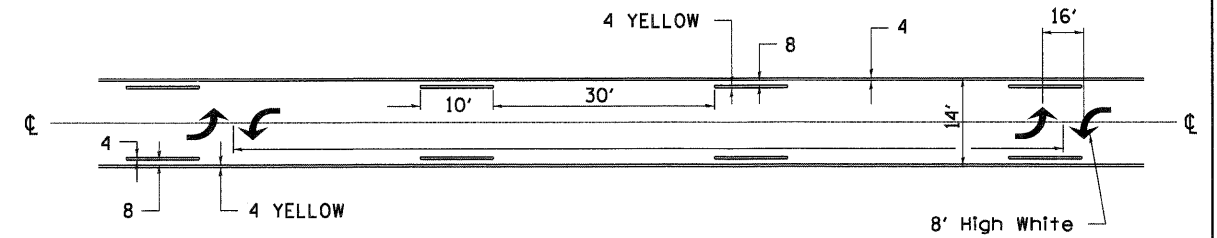
REVISED - 11-09-06	<b>REGION 2 / DISTRICT 2 STANDARD</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -			301	(43B,44B,44HB,45B)D	JO DAVIESS	309	298
REVISED -			CONTRACT NO. 64C94				
REVISED -			SCALE:	SHEET NO. 3 OF 14 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.

# TYPICAL PAVEMENT MARKINGS

## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

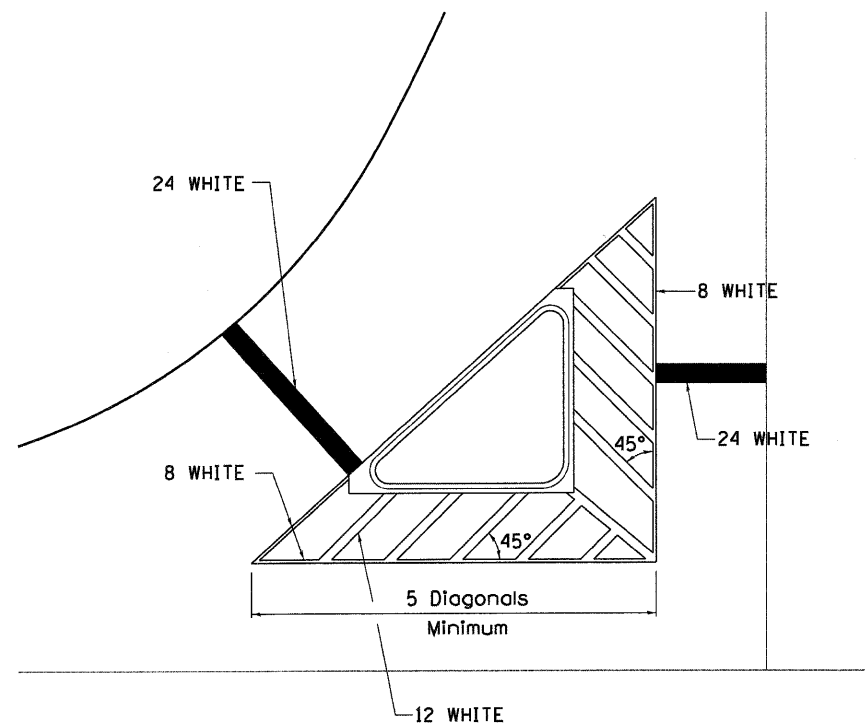


## MEDIAN PAVEMENT MARKING

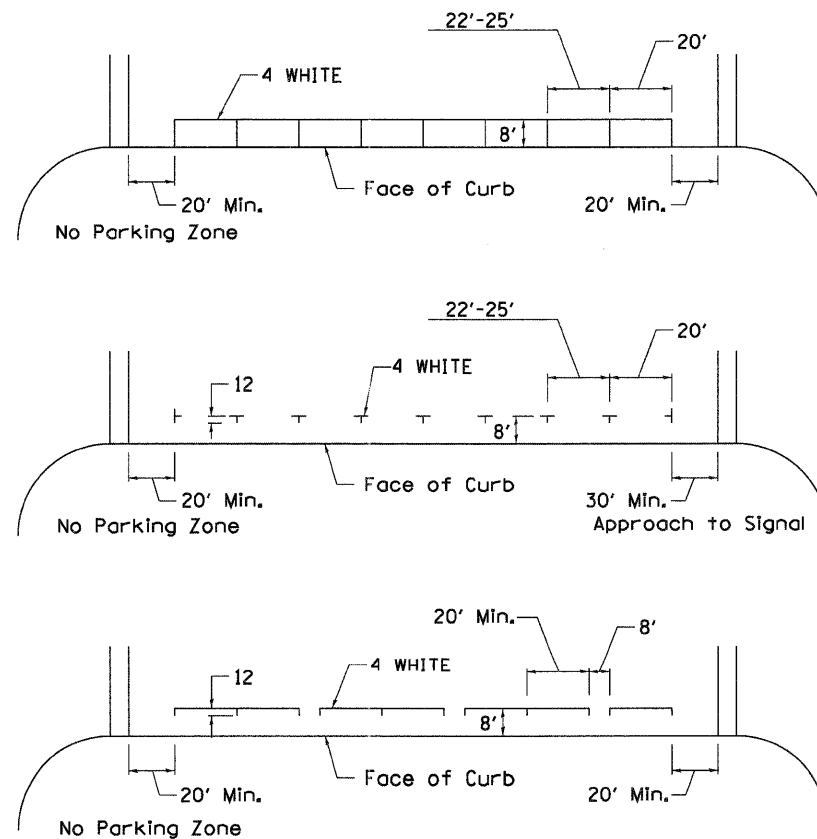


•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

## TYPICAL ISLAND OFFSET SHOULDER WIDTH

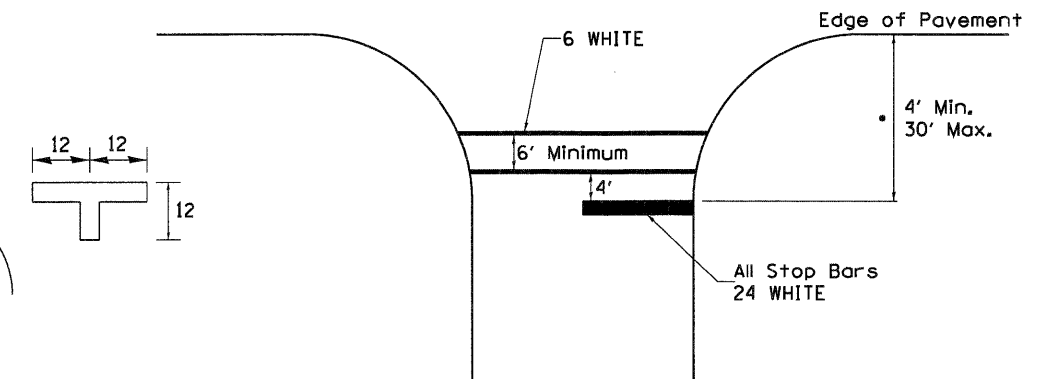


## TYPICAL PARKING SPACING



## STANDARD CROSSWALK MARKING

See Schedules for Locations

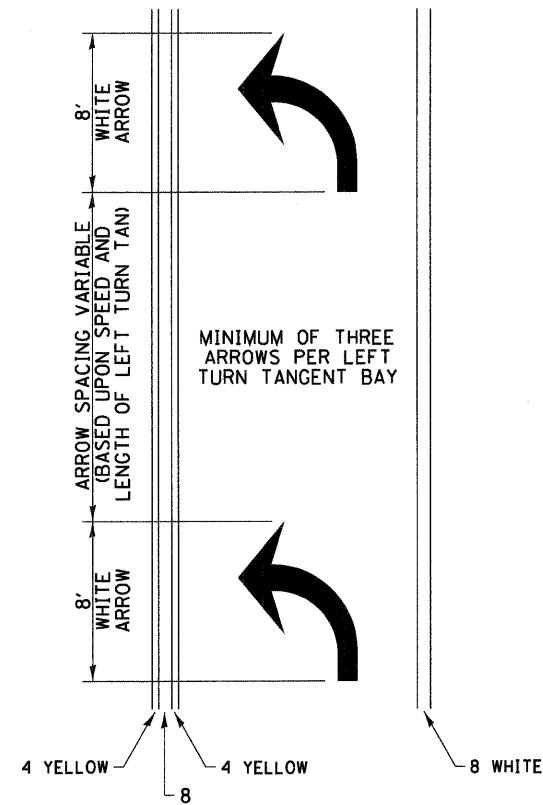


• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME =	USER NAME = gjameson	DESIGNED -	REVISED - 10-18-11	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1:\jobs\11dot.d-2\7387 us 28 ph 11\oad\oad sheets\03287dis.2.stds.dgn	DRAWN -	REVISED -	301			(43B,44B,44HB,45B)D	JO DAVIESS	309	299	
PLOT SCALE = 5/16" = 1' IN.	CHECKED -	REVISED -	CONTRACT NO. 64C94							
PLOT DATE = 12/6/2011	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

# TYPICAL PAVEMENT MARKINGS

## ARROW LAYOUT



6 at 40' O.C. APPROACH SIDE ONLY

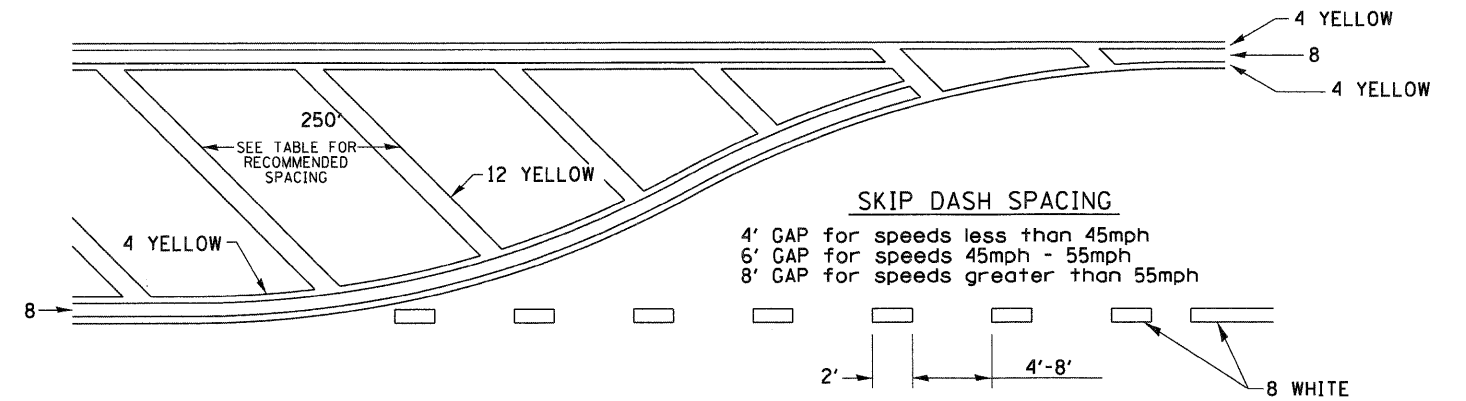
See Typical Drawing at right

40' O.C.

6' MINIMUM

6 at 40' O.C. APPROACH SIDE ONLY

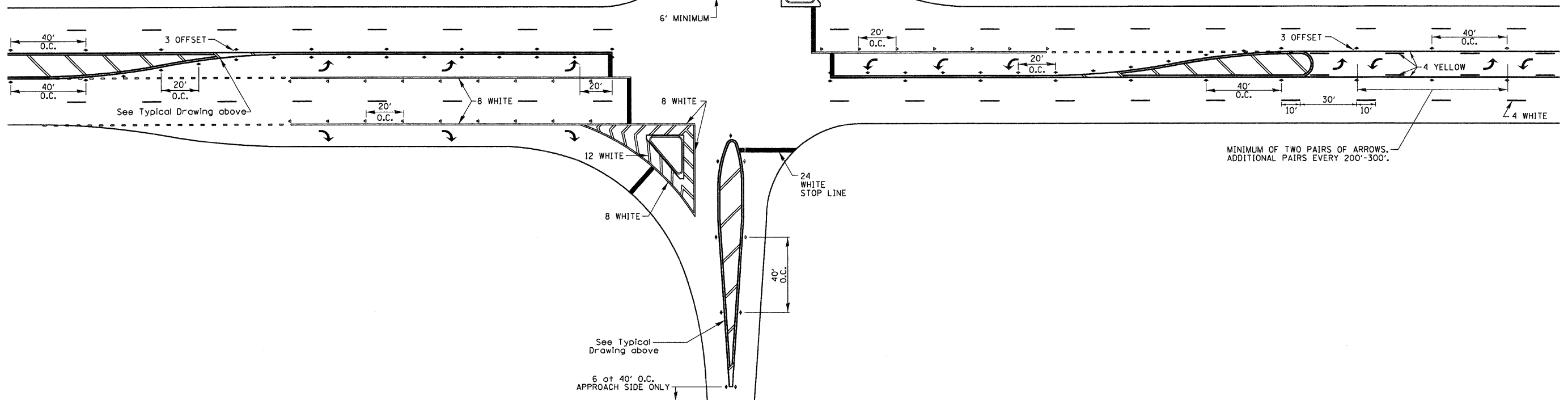
## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



## RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

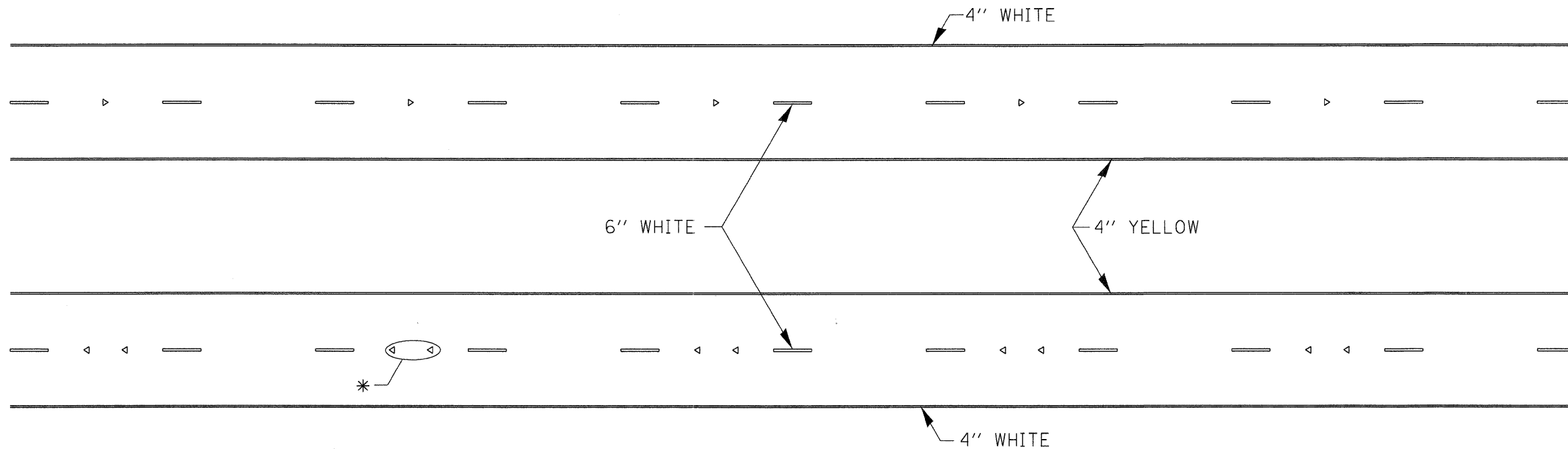
Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



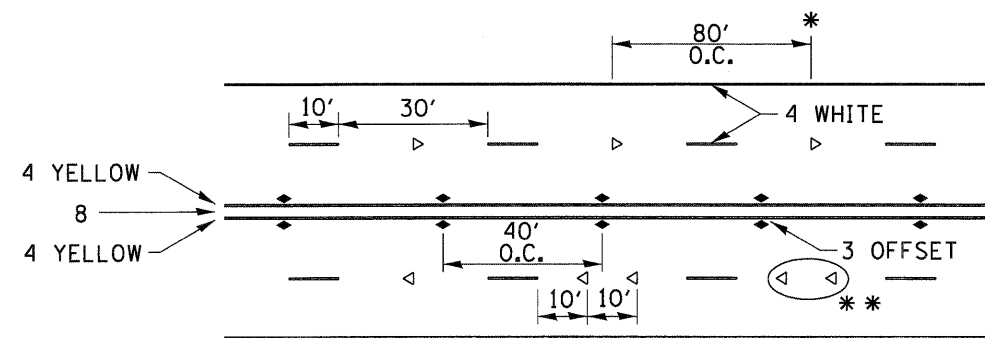
FILE NAME =	USER NAME = g_jameson	DESIGNED -	REVISED - 10-18-11	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.P. RTE. 301	SECTION (43B,44B,44HB,45B)D	COUNTY JO DAVIESS	TOTAL SHEETS 309	SHEET NO. 300	
1:\jobs\tdot.d-2\7307 us 20 ph 11\cadd\cadd sheets\03207dis.2.stds.dgn	DRAWN -	REVIS	REVIS			SCALE:	SHEET NO. 5 OF 14 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT
PLOT SCALE = 51.1818' / IN.	CHECKED -	REVIS	REVIS			CONTRACT NO. 64C94					
PLOT DATE = 12/6/2011	DATE -	REVIS	REVIS			<b>TYPICAL PAVEMENT MARKINGS SHEET 2 OF 3</b>					

# TYPICAL PAVEMENT MARKINGS



\* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.  
USE DOUBLE MARKERS WHEN ADT  $\geq$  25,000.

## MULTI-LANE / DIVIDED

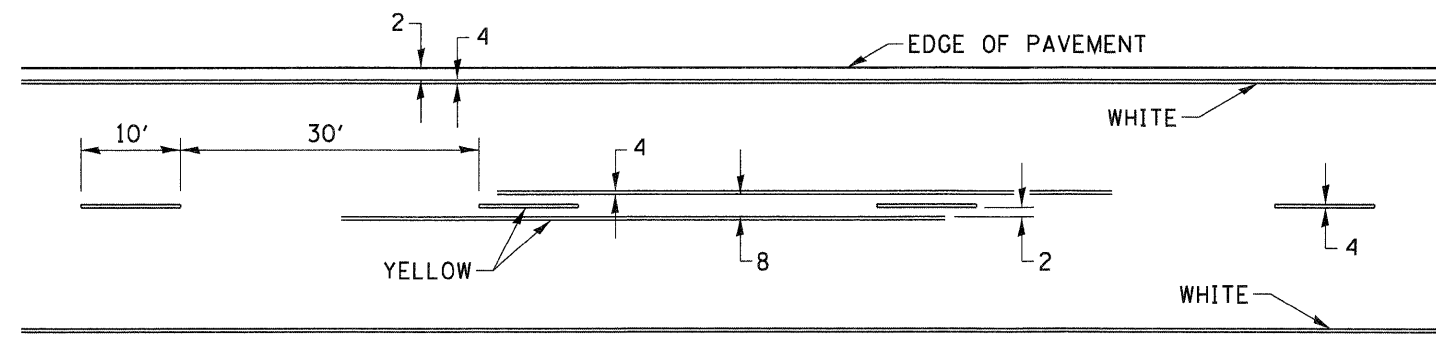


- REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.
- USE DOUBLE MARKERS WHEN ADT  $\geq$  25,000

## MULTI-LANE / UNDIVIDED

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS  
DETAIL NOT HIGHWAY STANDARD 781001)

## TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



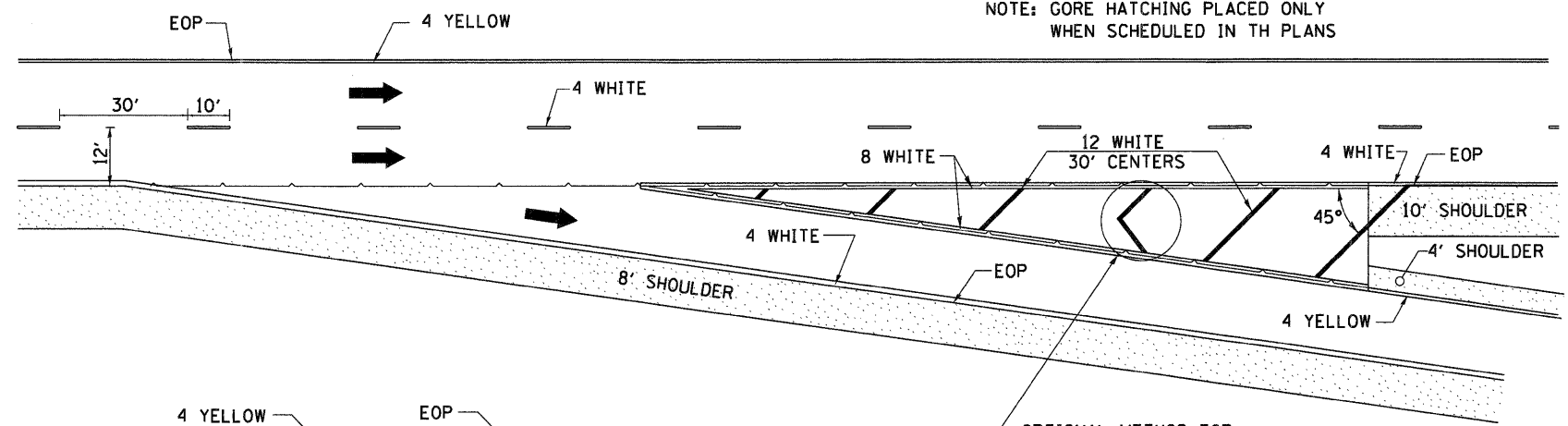
SYMBOLS

FILE NAME =	USER NAME = g_jameson	DESIGNED -	REVISED - 10-18-11	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\jobs\1dot.d-2\7307 us 20 ph 11\cadd\cadd sheets\03207dis_2.stds.dgn	DRAWN -	REVISED -	301			(43B,44B,44HB,45B)D	JO DAVIESS	309	301	
PLOT SCALE = 51.1818' / IN.	CHECKED -	REVISED -	CONTRACT NO. 64C94							
PLOT DATE = 12/6/2011	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							

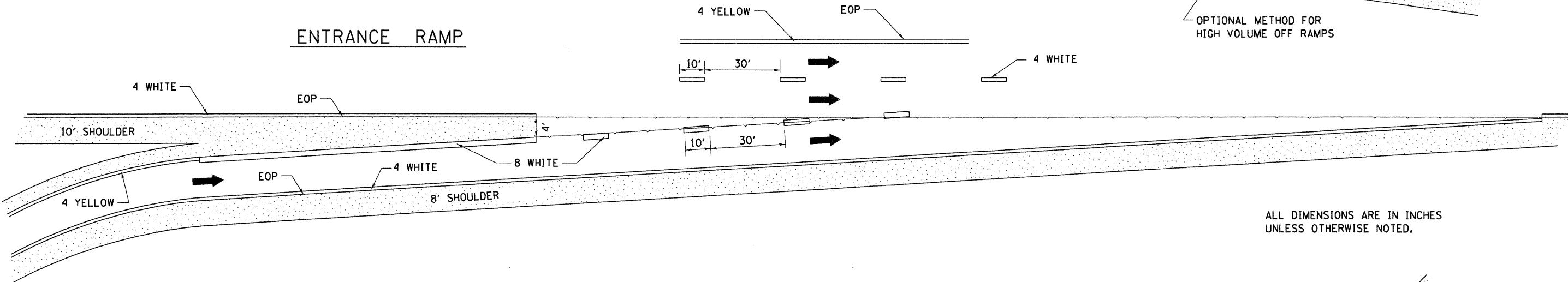
# PAINTING DETAILS

## EXIT RAMP

NOTE: GORE HATCHING PLACED ONLY WHEN SCHEDULED IN TH PLANS

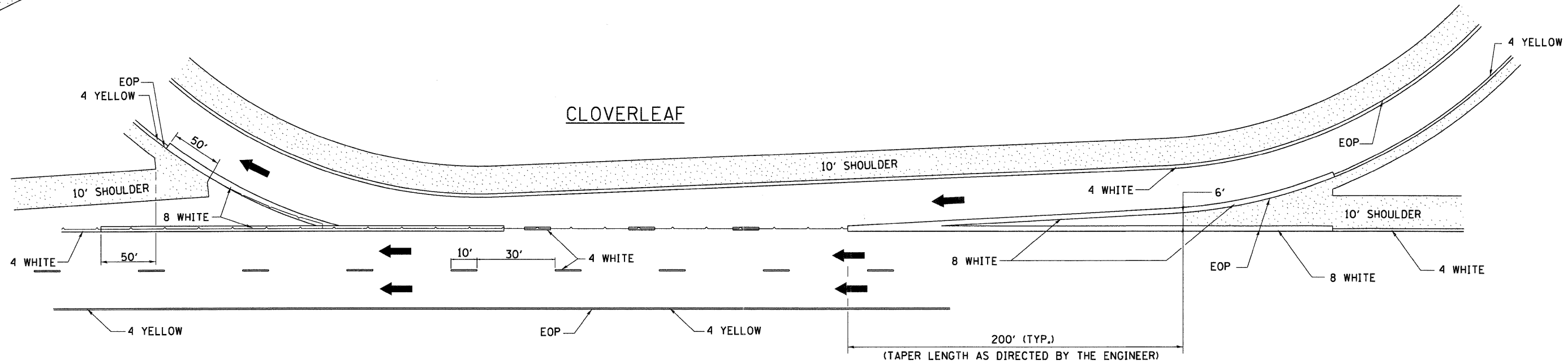


## ENTRANCE RAMP



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

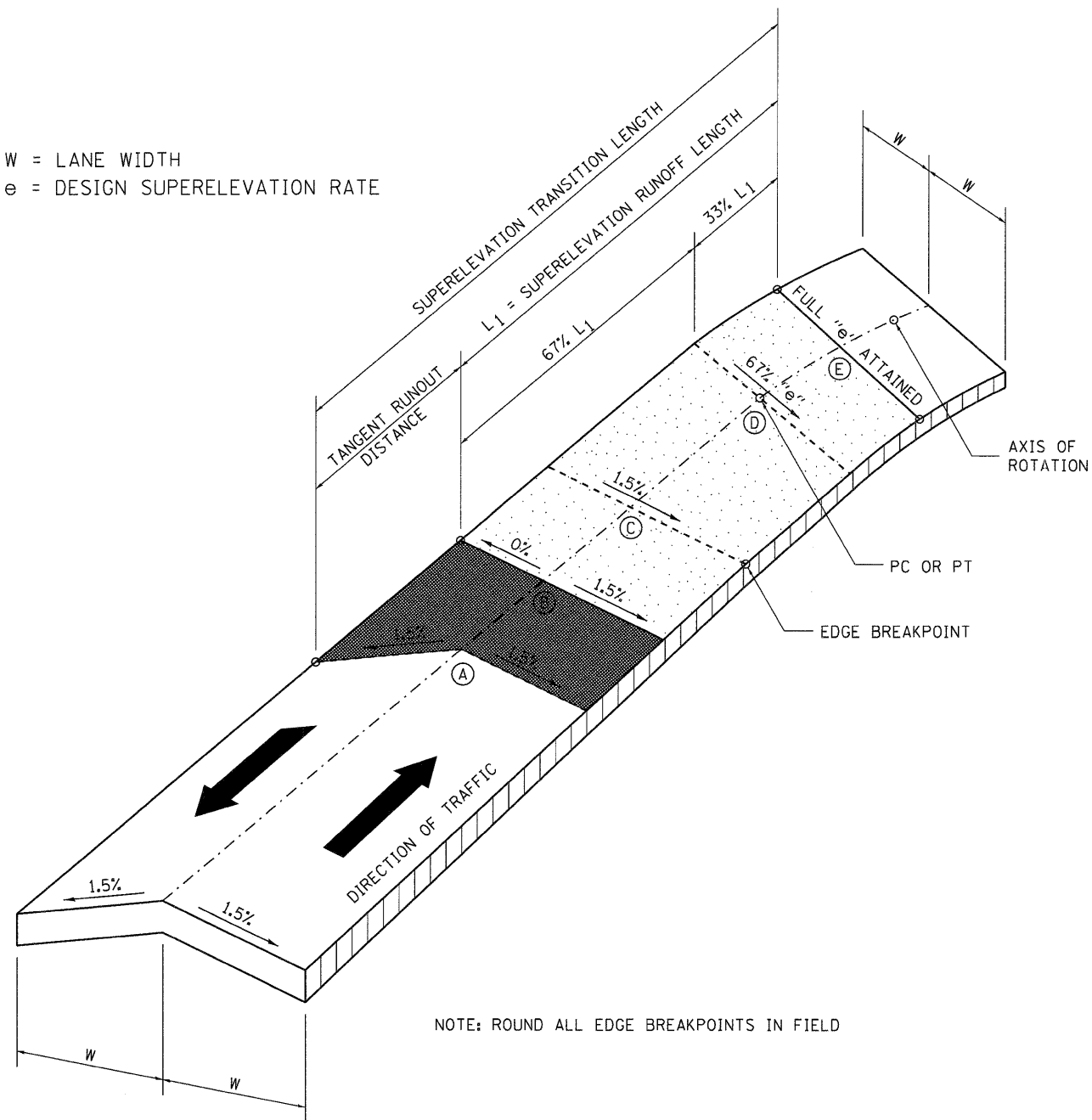
## CLOVERLEAF



FILE NAME =	USER NAME = g_jameson	DESIGNED -	REVISED - 10-18-11	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
1:\jobs\dot.d-2\7307 us 20 ph 11\cedd\add sheets\083207dis_2.stds.dgn	PLOT SCALE = 5/16" = 1' / IN.	DRAWN -	REVISED -			301	(43B,44B,44HB,45B)	JO DAVIESS	309	302	
	PLOT DATE = 12/6/2011	CHECKED -	REVISED -			SCALE: SHEET NO. 7 OF 14 SHEETS STA. TO STA.		CONTRACT NO. 64C94			
		DATE -	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					

# SUPERELEVATION TRANSITION ON TWO-LANE HIGHWAY

W = LANE WIDTH  
e = DESIGN SUPERELEVATION RATE



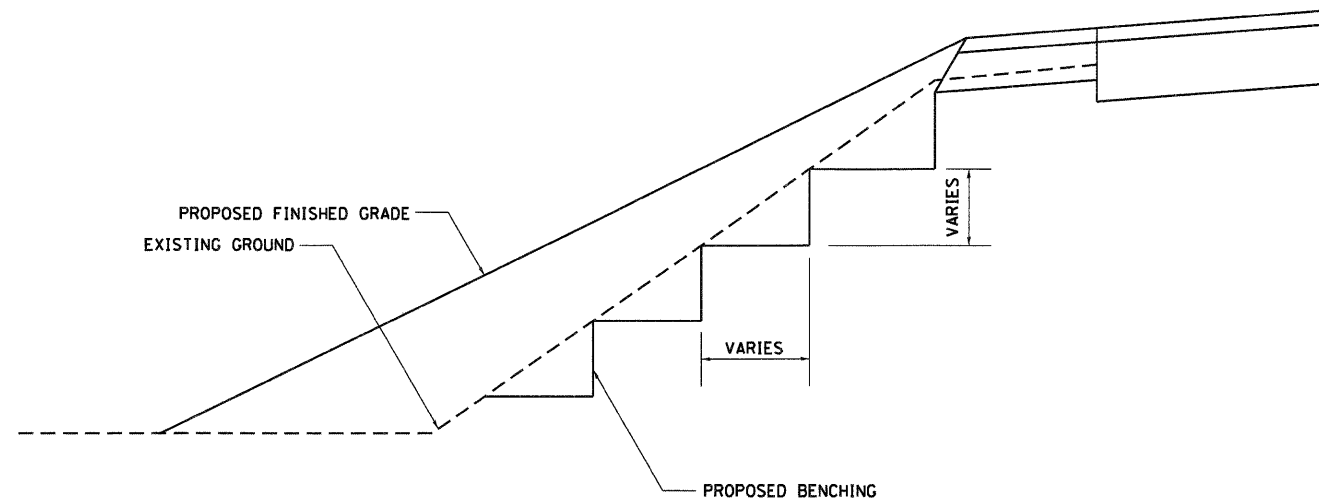
NOTE: ROUND ALL EDGE BREAKPOINTS IN FIELD

TRANSITION CURVE TABLE

CURVE PI STA.	SUPERELEVATION "e"	W	SUPERELEVATION TRANSITION LENGTH	TANGENT RUNOUT DISTANCE	SUPERELEVATION RUNOFF LENGTH
230+39.79	4.5%	12'	168'	42'	126'

REVISED - 11-09-06

# TYPICAL BENCHING ON EXISTING EMBANKMENT



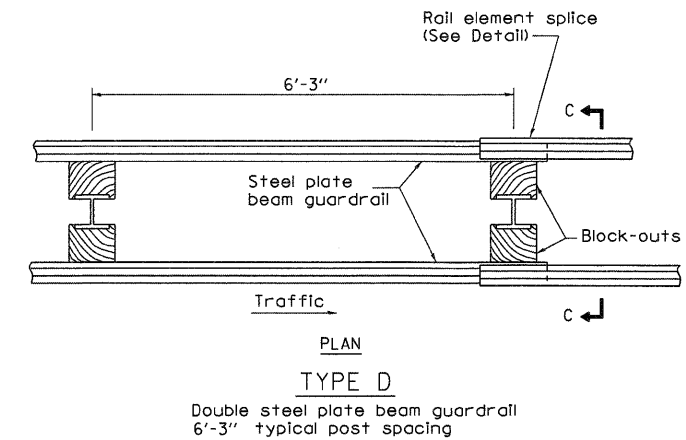
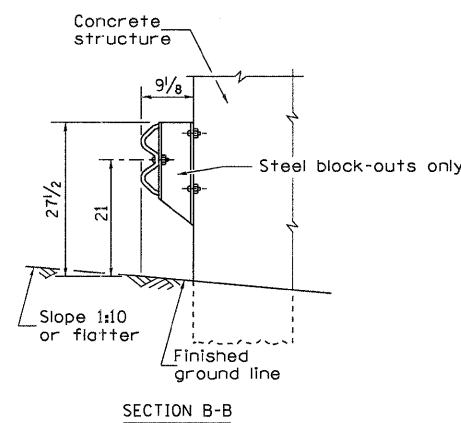
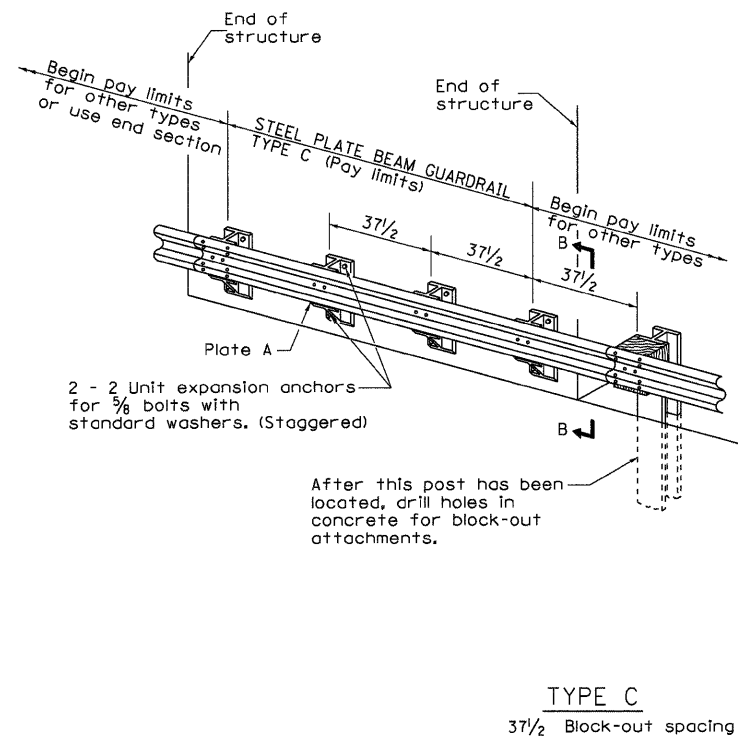
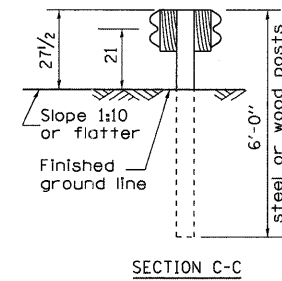
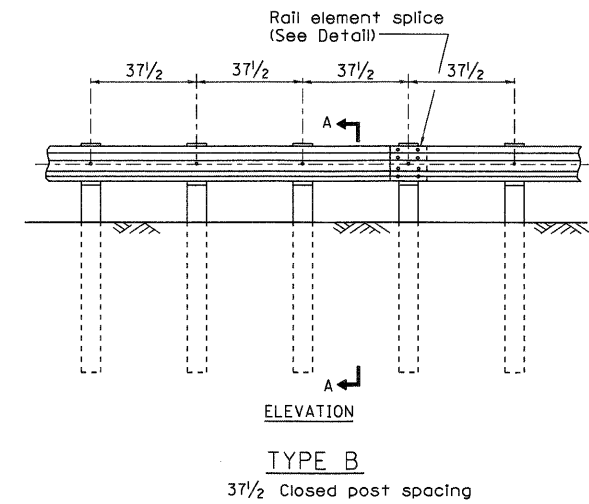
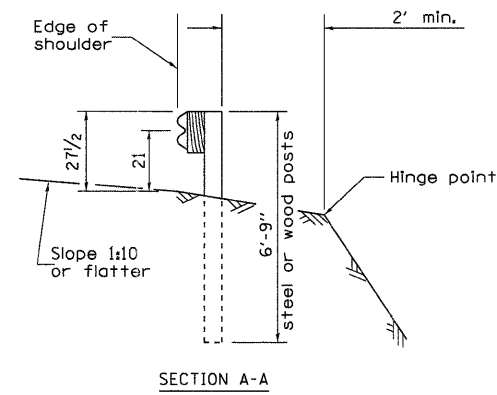
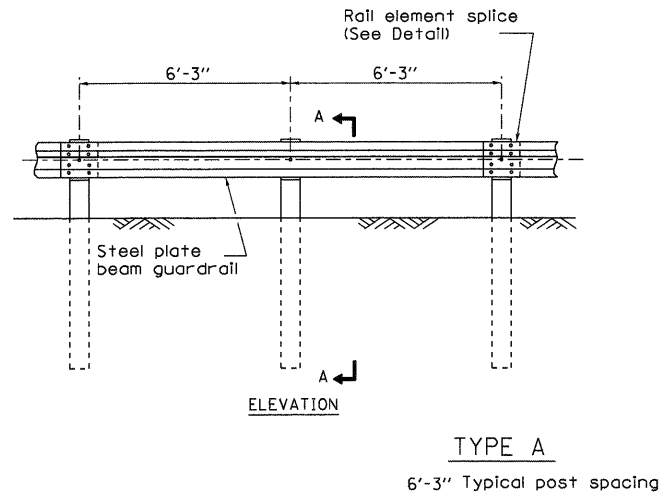
REVISED - 2-22-06

## TYPICAL BENCHING ON EXISTING EMBANKMENT

50.4

REVISED -	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		301	(43B,44B,44HB,45B)D	JO DAVIESS	309	303
REVISED -		CONTRACT NO. 64C94		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
REVISED -		SCALE:	SHEET NO. 8 OF 14 SHEETS	STA.	TO STA.	

# REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



## GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

All dimensions are in inches unless otherwise shown.

The existing steel posts may be drilled to match the bolt pattern shown herein for the wood block-out, or a new steel post shall be provided.

This detail is applicable to the guardrail system used prior to January 1, 2007. For details on the Midwest Guardrail System, see Standard 630001.

FILE NAME =	USER NAME = gjameson	DESIGNED -	REVISED - 10-18-11
1:\jobs\1dot.d-2\7307 us 20 ph 11\cadd\cadd sheets\03207dis.2.stds.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

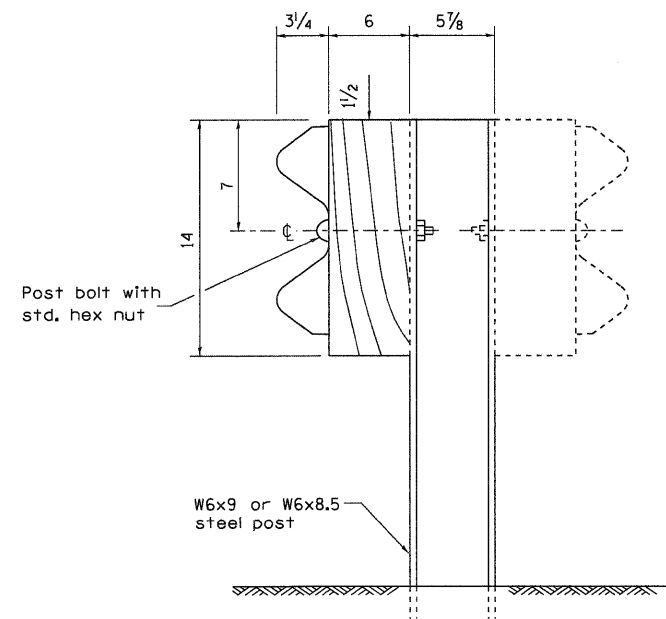
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

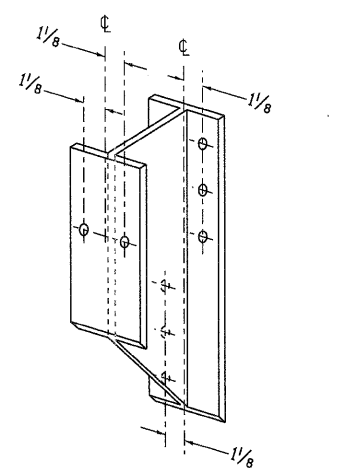
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B,44B,44HB,45BD)	JO DAVIESS	309	304
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	



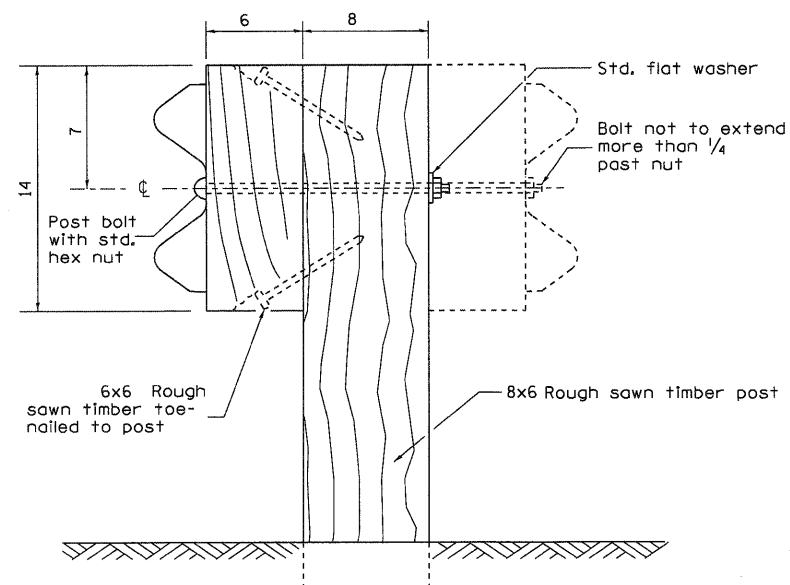
# REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



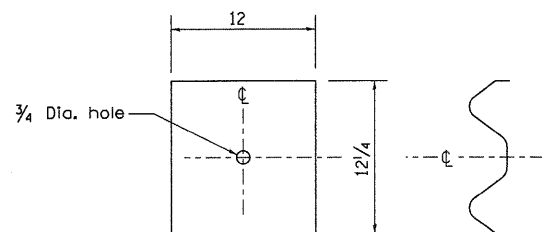
STEEL POST CONSTRUCTION



STEEL BLOCK-OUT DETAIL



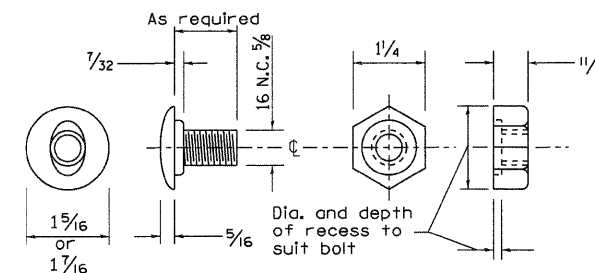
WOOD POST CONSTRUCTION



NOTE

Plate A shall be placed between rail element and block-out at non-splice mounting points only when steel block-outs are used.

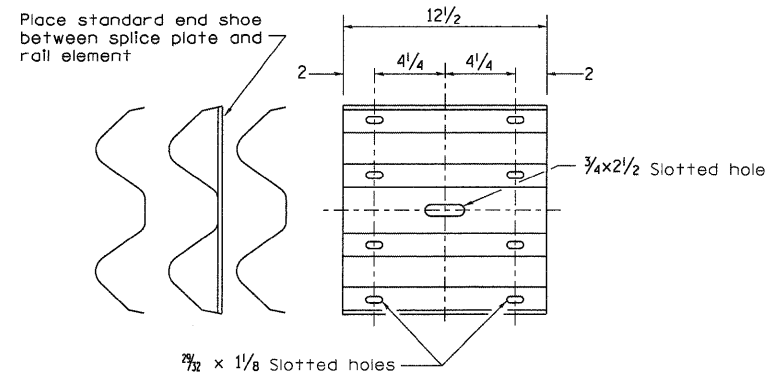
PLATE A



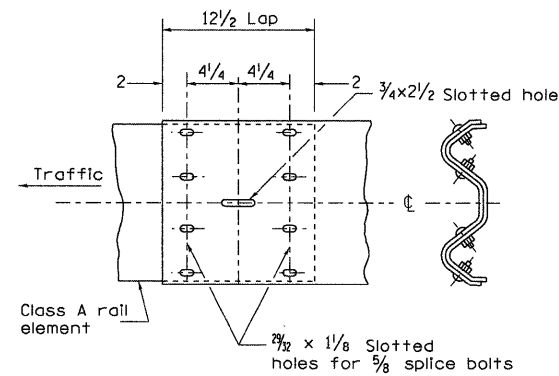
POST OR SPLICE BOLT & NUT

FILE NAME =	USER NAME = g_jameson	DESIGNED -	REVISED - 10-18-11	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1:\jobs\1dot.d-2\7307 us 20 ph 11\cedd\add sheets\03207dis_2.stds.dgn	PLDT SCALE = 51.1818 ' / IN.	DRAWN -	REVISED -				301	(43B,44B,44HB,45B)D	JO DAVIESS	309	305
	PLDT DATE = 12/6/2011	CHECKED -	REVISED -		SCALE: SHEET NO. 10 OF 14 SHEETS STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 64C94		
		DATE -	REVISED -								

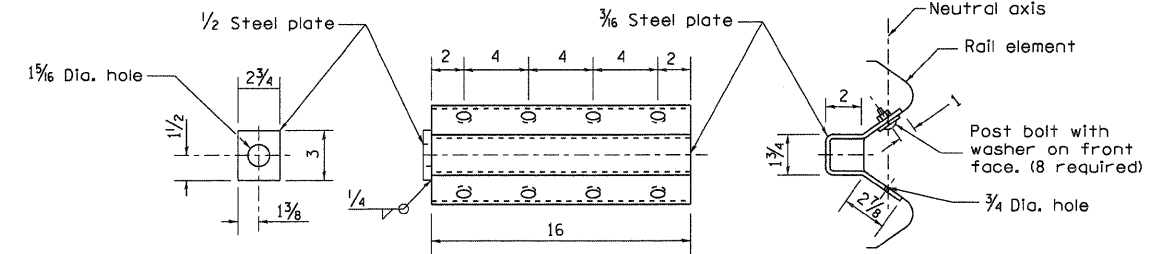
# REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



SPLICE PLATE

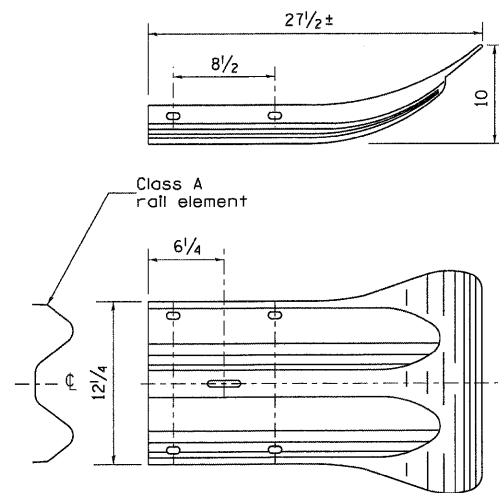


RAIL ELEMENT SPLICE

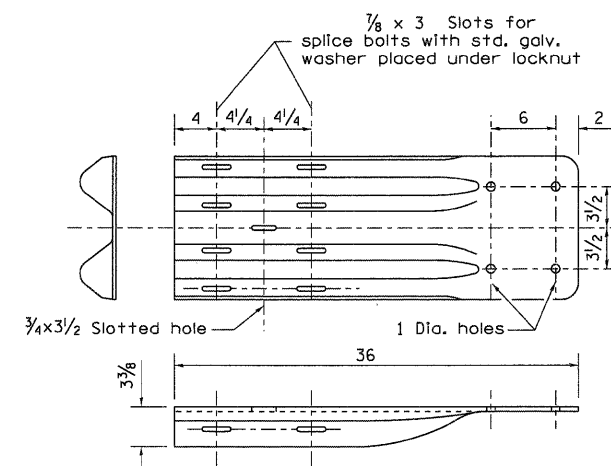


NOTE  
Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

ANCHOR PLATE T DETAILS

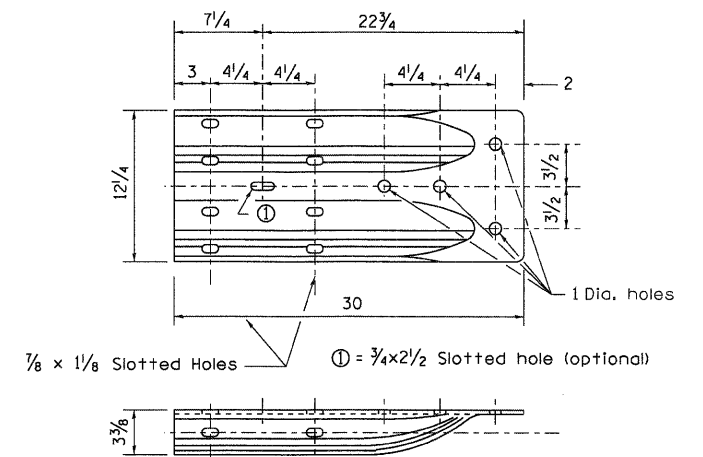


END SECTION



NOTE  
When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.  
The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.  
Externally threaded studs protruding from the surface of the concrete will not be permitted.

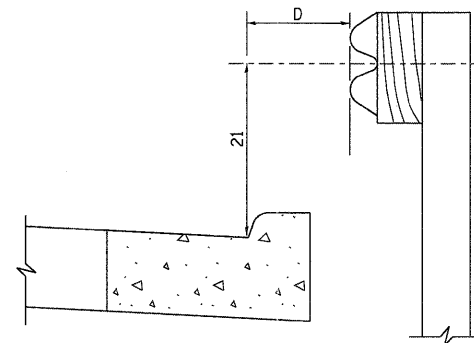
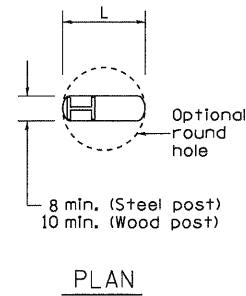
END SHOE



ALTERNATE END SHOE

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3:\jobs\11dot.d-2\7307 us 20 ph 11\cedd\cedd sheets\d03207dis.2.stds.dgn	DRAWN -	REVISED -	301				(43B,44B,44HB,45B)D	JO DAVIESS	309	306	
PLOT SCALE = 5/16" = 1" / IN.	CHECKED -	REVISED -	CONTRACT NO. 64C94								
PLOT DATE = 12/6/2011	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

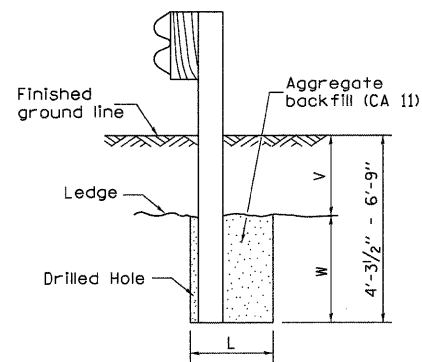
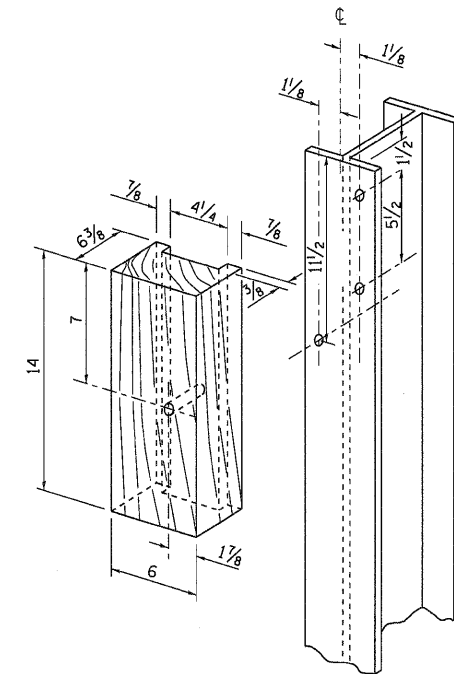
# REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



Note:  
If it is necessary for D to be more than 12 and less than 10'-0" type M-2 curb and gutter (Std. 606001) shall be used in front of and in advance of the guardrail.

### GUARDRAIL PLACED BEHIND CURB

(D = 0 desirable to 12 maximum)

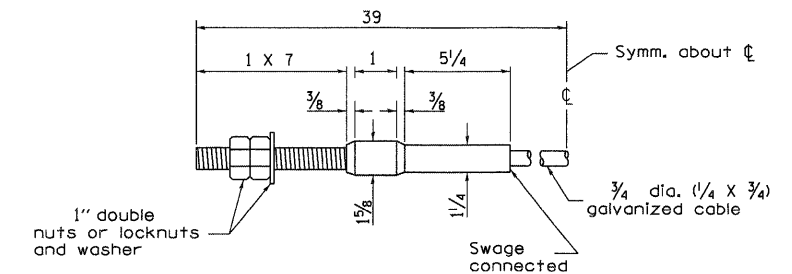


Note:  
Ledge line is top of rock ledge or hard slag fill.

### ELEVATION

### FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED

V	W	L	
		Steel Post	Wood Post
0 - 18	24	21	23
>18 - 41.5	12	8	10
>41.5 - 53.5	12 - 0	8	10

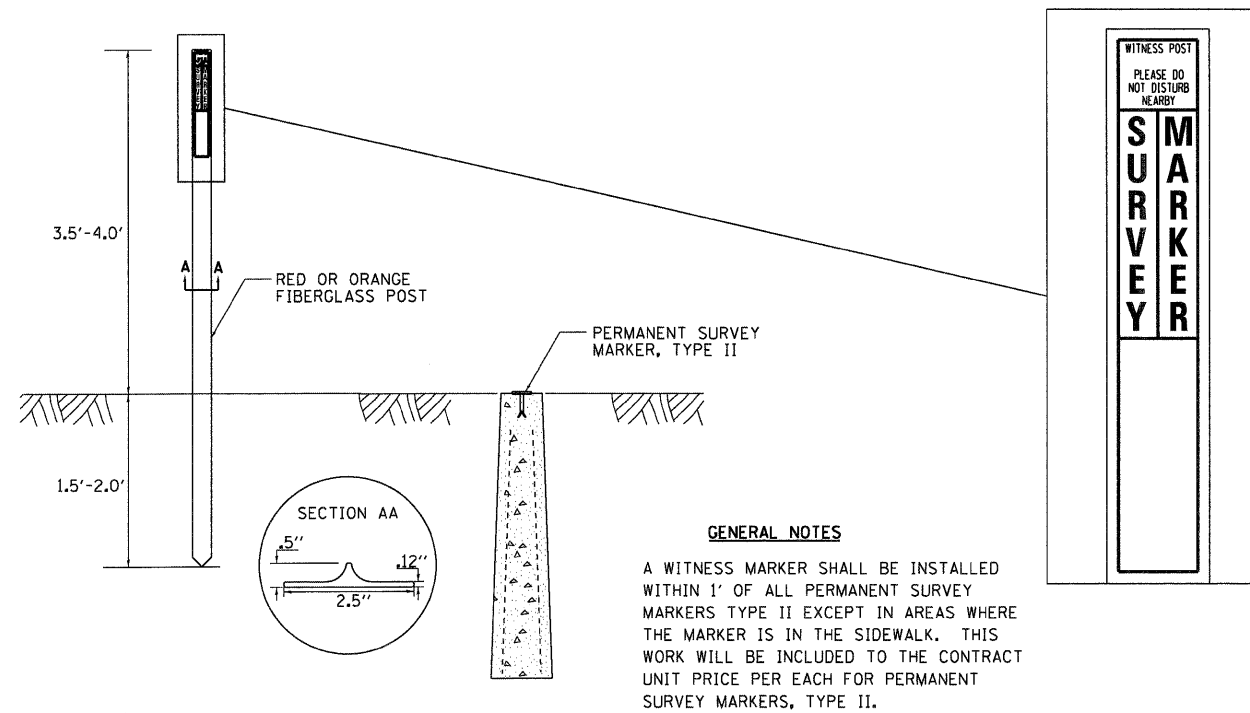


### CABLE ASSEMBLY

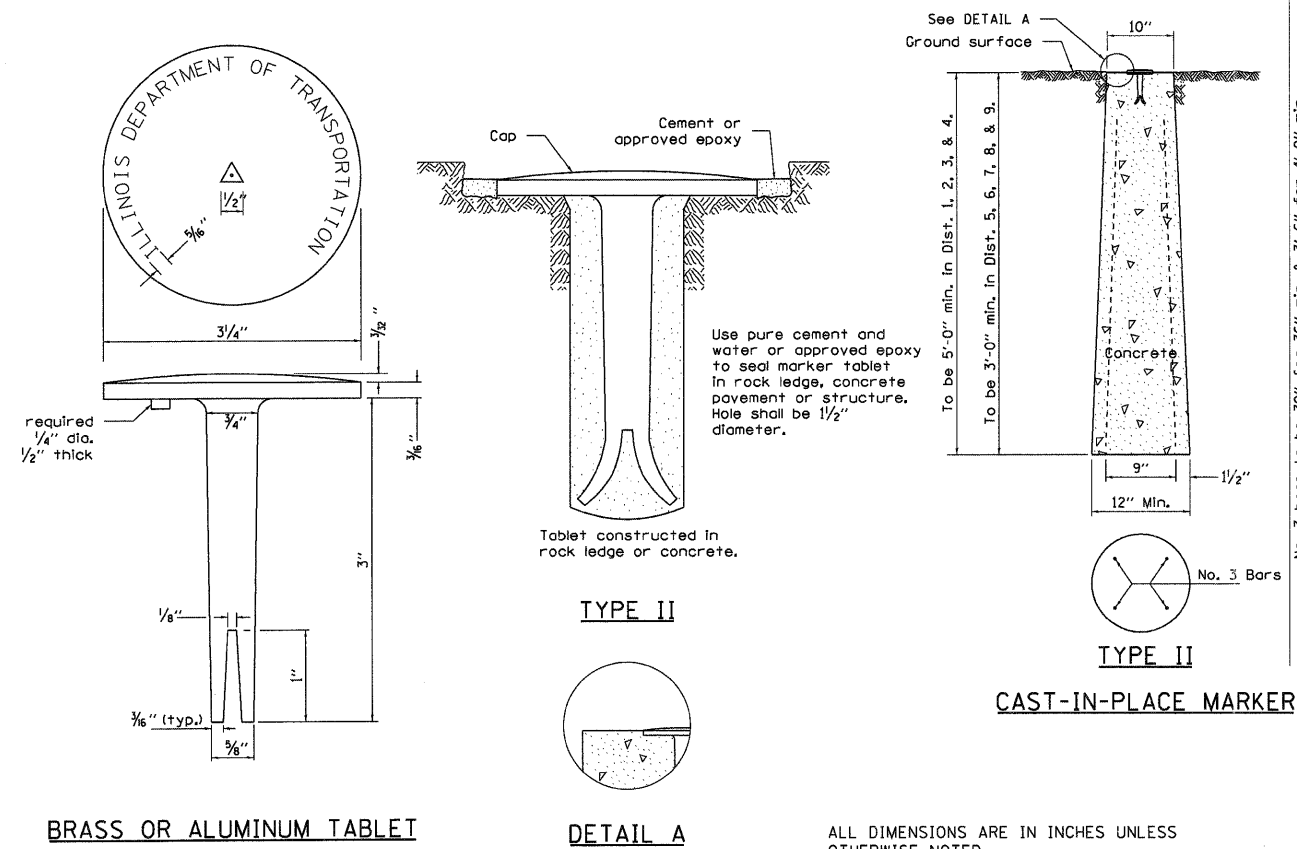
(40,000 lbs. min. breaking strength)  
Tighten to taut tension.

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1:\jobs\tdot.d-2\7307 us 20 ph 11\cadd\cadd sheets\083207dis.2.stds.dgn	DRAWN -	CHECKED -	REVISED -			SCALE:	SHEET NO. 12 OF 14 SHEETS	STA. TO STA.	CONTRACT NO. 64C94			
PLOT SCALE = 51.1818" / IN.	DATE -	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						
PLOT DATE = 12/6/2011												

# WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



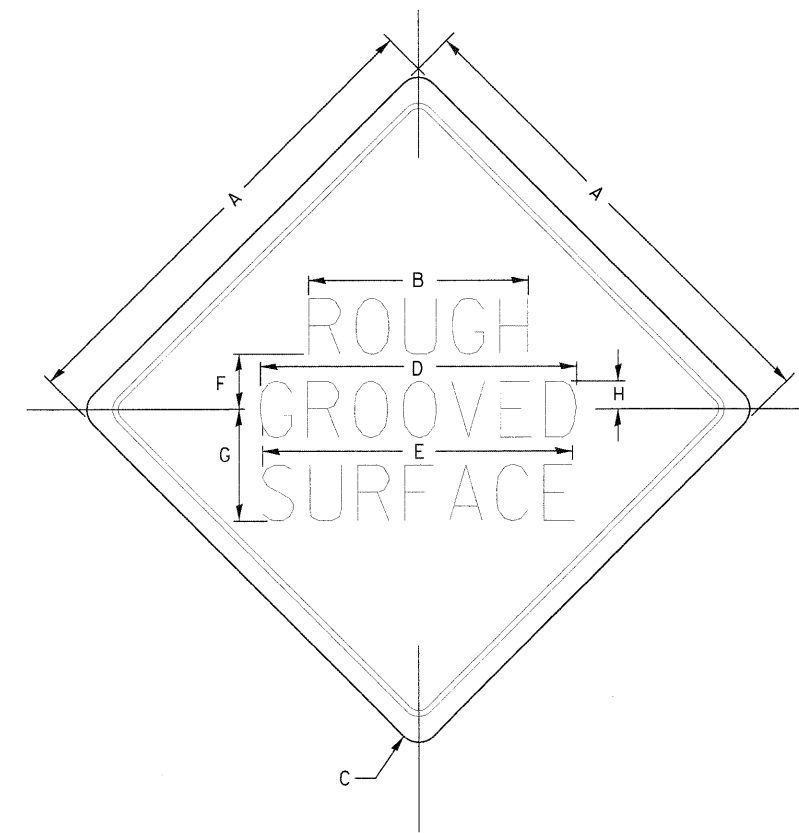
# PERMANENT SURVEY MARKERS, TYPE II



REVISED - 10-14-11

# ROUGH GROOVED SURFACE SIGN

ILLINOIS STANDARD W8-I107  
SIGN PANEL TYPE 1



COLOR: LEGEND AND BORDER - BLACK NON-REFLECTIVE  
BACKGROUND - ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48x48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MARGIN	BORDER	BLANK STD.
	1	2	3			
48x48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES.

### GENERAL NOTES

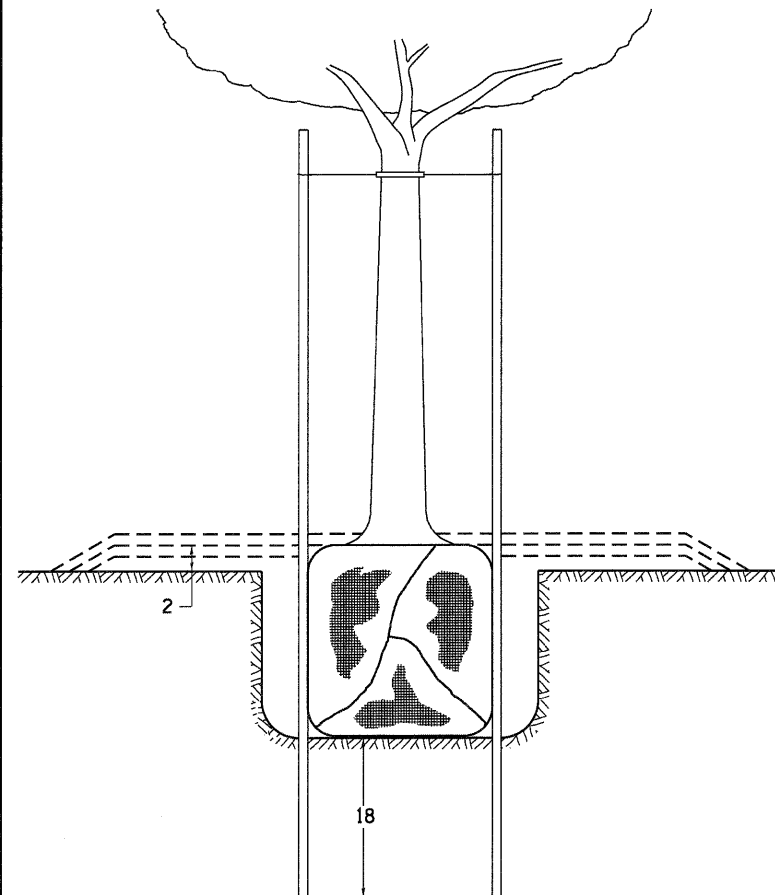
SIGN PANELS AND FACE MATERIALS SHALL BE ACCORDING TO SECTION 720 OF THE STANDARD SPECIFICATIONS  
METAL POSTS SHALL BE IN ACCORDANCE WITH STD. 720011.

ALL MOUNTING HARDWARE SHALL BE ALUMINUM, STAINLESS STEEL, ZINC OR CADMIUM PLATED STEEL AND SHALL BE INCLUDED TO THE COST OF THE INSTALLATION.

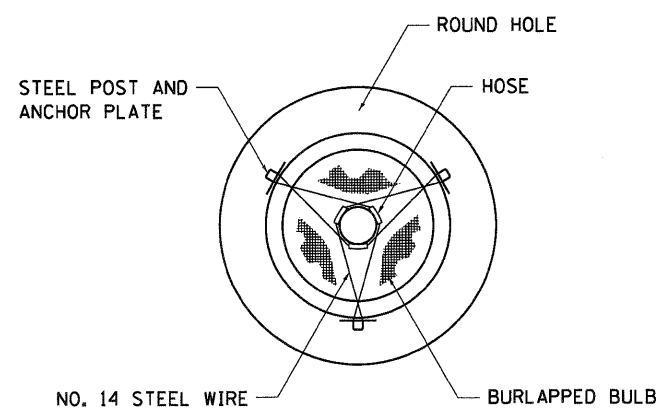
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-14-11	REGION 2 / DISTRICT 2 STANDARD		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -			301	143B,44B,44HB,45B,D	JO DAVIESS	309	308
REVISED -					CONTRACT NO. 64C94		
REVISED -	SCALE:	SHEET NO. 13 OF 14 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

# DETAILS OF PLANTING AND BRACING TREES

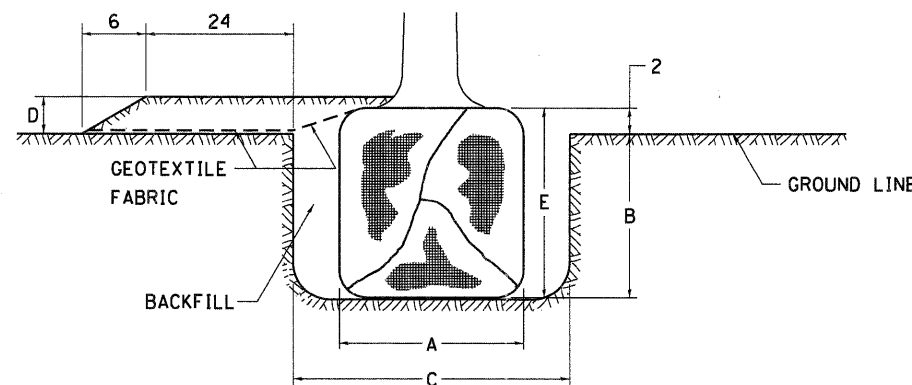


TREES SMALLER THAN 4 1/2 IN DIAMETER

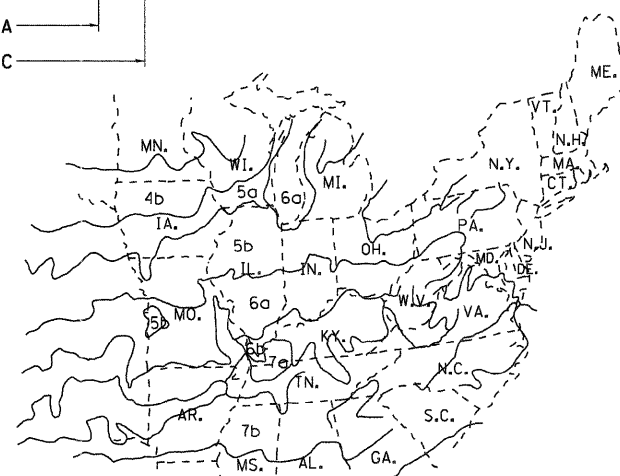
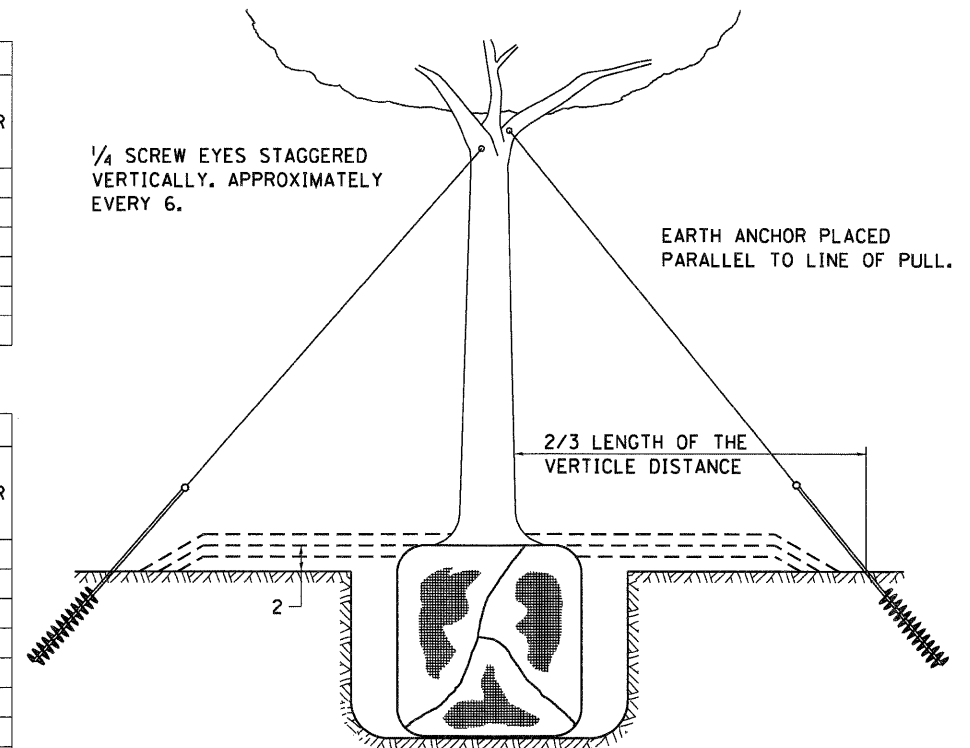


SMALL TREE SIZE	A DIAMETER OF BALL OR ROOT SYS.	B DEPTH OF HOLE EXCAVATION	C WIDTH OF HOLE EXCAVATION	D THICKNESS OF MULCH COVER	E DEPTH OF BALL OR ROOT SYS.	F VOLUME OF MULCH COVER CU. YDS.
5'-6'	16	10	30	4	12	0.54
5'-6' BB	16	10	30	4	12	0.54
6'-7' BB	18	12	30	4	14	0.54
7'-8' BB	20	11	30	4	13	0.54
8'-10' BB	24	14	36	4	16	0.61
10'-12' BB	26	15	36	4	17	0.61

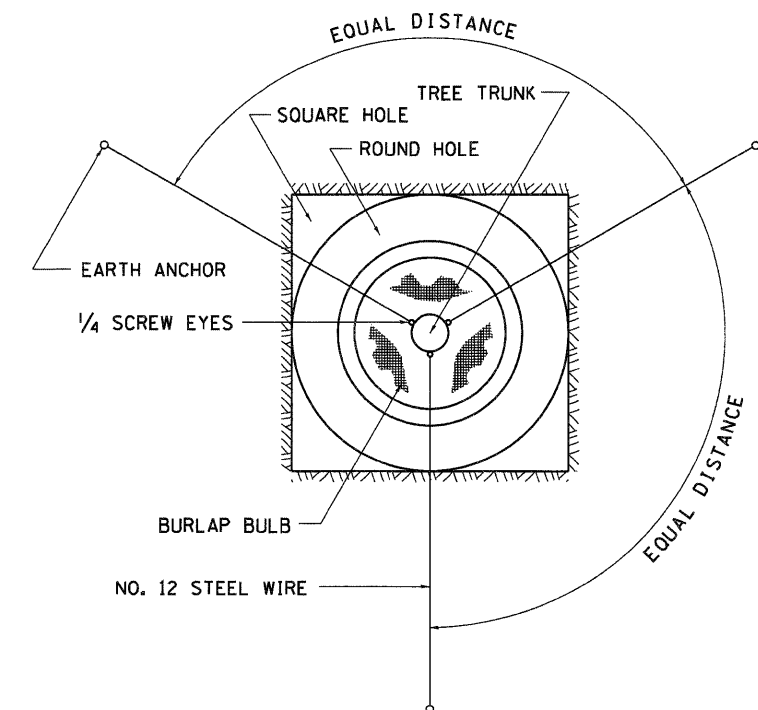
LARGE TREE SIZE	A DIAMETER OF BALL OR ROOT SYS.	B DEPTH OF HOLE EXCAVATION	C WIDTH OF HOLE EXCAVATION	D THICKNESS OF MULCH COVER	E DEPTH OF BALL OR ROOT SYS.	F VOLUME OF MULCH COVER CU. YDS.
0-2	20	11	36	4	13	0.61
2-2 1/2 BB	24	14	48	4	16	0.78
2 1/2-3 BB	28	17	48	4	19	0.78
3-3 1/2 BB	32	17	60	4	19	0.96
3 1/2-4 BB	36	20	60	4	22	0.96
4-4 1/2 BB	40	22	72	4	24	1.16
4 1/2-5 BB	44	24	72	4	26	1.16
5-5 1/2 BB	48	27	84	4	29	1.38



TREES OVER 4 1/2 IN DIAMETER



PLANT HARDINESS ZONE MAP  
U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL RESEARCH SERVICE  
PUBLICATION NO. 814



ALL DIMENSIONS ARE IN INCHES  
UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = g_jameson	DESIGNED -	REVISED - 10-18-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
1:\jobs\dot.d-2\7307 us 20 ph 11\cadd\cadd sheets\083207dis.2.stds.dgn		DRAWN -	REVISED -			301	(43B,44B,44HB,45BID)	JO DAVIESS	309	309	
PLOT SCALE = 51.1818" / IN.		CHECKED -	REVISED -			CONTRACT NO. 64C94					
PLOT DATE = 12/6/2011		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					