Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 7/18/95

ROUTE FAI-74 DESCRIPTION BETWEEN N. ABUTMENTS OF 048-0005, 048-0006 LOGGED BY DLR

SECTION (48-26HVB)BY,BY-1 LOCATION I-74 over BNRR & Lincoln St., SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY KNOX DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 048-0005,0006
Station 251+78.69

BORING NO. 1 (N. ABUT)
Station 249+81.84
Offset 12.0 ft RT of SL
Ground Surface Elev. 831.99 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 783.7 ft ▽
Upon Completion 817.0 ft ▽
After 24 Hrs. 812.3 ft ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Lt. Brown & Lt. Gray SILTY LOAM			
	4		
	5 6	1.0 P	16
827.49			
Brown & Gray SILTY CLAY LOAM	4		
-5	5 6	2.4 S	21
	3		
Trace of Dk. Brown Organics	5 8	1.4 S	24
-10	3		
	3 7	1.9 B	23
819.99			
Lt. Brown & Lt. Gray SILTY CLAY LOAM	2		
	4 5	1.3 B	20
▽ -15	2		
	3 4	0.6 B	25
	2		
Dk. Gray @ 18.25'	4 4	1.0 S	22
812.49 ▽ -20			
Gray & Brown SILTY CLAY LOAM	2		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray & Brown SILTY CLAY LOAM (continued)	2 5	1.8 B	22
809.99			
	3		
Dk. Brown SILTY CLAY LOAM	4 7	2.5 B	27
807.49 -25	3		
Lt. Brown & Lt. Gray SILTY LOAM	4 6	2.1 S	19
804.99			
Brown & Gray SILTY CLAY LOAM	2		
	4 7	2.6 S	22
silty loam seam			
-30	2	1.8	22
801.49	4 6	1.7	26
Dk. Gray SILTY CLAY LOAM			
799.99	2		
Greenish-Gray SILTY CLAY	4 7	2.4 S	26
797.49 -35	2		
Gray & Brown SILTY CLAY LOAM	3 3	0.7 B	27
794.99	1		
Lt. Brown & Lt. Gray SILTY LOAM	2 4	0.8 B	23
-40	2		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Date 7/18/95

ROUTE FAI-74 DESCRIPTION BETWEEN N. ABUTMENTS OF 048-0005, 048-0006 LOGGED BY DLR

SECTION (48-26HVB)BY,BY-1 LOCATION I-74 over BNRR & Lincoln St., SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY KNOX DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 048-0005,0006
Station 251+78.69

BORING NO. 1 (N. ABUT)
Station 249+81.84
Offset 12.0 ft RT of SL
Ground Surface Elev. 831.99 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 783.7 ft ▽
Upon Completion 817.0 ft ▽
After 24 Hrs. 812.3 ft ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Lt. Brown & Lt. Gray SILTY LOAM (continued)	3 4	0.7 B	24
789.99			
Brown SILTY CLAY LOAM	2		
	3 4	0.9 B	19
787.49 -45	2		
Brown w/ trace Gray SILTY CLAY LOAM	4 7	2.1 S	22
784.99			
Brown w/ some Gray CLAY LOAM	2		
	2 4	1.0 B	20
trace water in sand seam @ 48.25'			
782.49 -50	4		
Brown SILTY LOAM	5 8	1.2 S	26
1" coarse sand seam @ 50.5'			
	3		
	6 10	0.7 S	23
777.49 -55	3		
Brown CLAY LOAM TILL	3 12	1.8 S	15
coarse sand & grav. @ 55.5'			
774.99	2		
Brown Coarse SAND & GRAVEL	7 17		14
-80	5		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Coarse SAND & GRAVEL (continued)	8 11		12
780.99			
Gray Fine to Med. SAND	9		
	15 18		18
767.49 -65	2		
Gray CLAY LOAM TILL	3 9	2.3 B	12
764.99			
Gray CLAY LOAM TILL w/ sand seams	13		
	19 23	2.5 P	9
-70	16		
blow count on a rock	58 42@4"	3.0 P	10
759.99			
Gray Gravelly CLAY LOAM TILL	19		
	53 47@3"	4.0 P	8
757.49 -75	21		12
Gray Coarse SAND w/ some gravel	67 33@4"		14
754.99			
Gray CLAY LOAM TILL	18		
	25 44	5.7 S	10
-80	9		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Date 7/18/95

ROUTE FAI-74 DESCRIPTION BETWEEN N. ABUTMENTS OF 048-0005, 048-0006 LOGGED BY DLR

SECTION (48-26HVB)BY,BY-1 LOCATION I-74 over BNRR & Lincoln St., SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY KNOX DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 048-0005,0006
Station 251+78.69

BORING NO. 1 (N. ABUT)
Station 249+81.84
Offset 12.0 ft RT of SL
Ground Surface Elev. 831.99 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 783.7 ft ▽
Upon Completion 817.0 ft ▽
After 24 Hrs. 812.3 ft ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY LOAM TILL (continued)	30 54	4.8 S	11
749.99			
Gray Coarse SAND w/ some gravel	4		14
748.74	6 8	4.0	14
Gray CLAY LOAM TILL			
-85	8		
745.99	11 18	4.4 S	13
End of Boring			
-90			
-95			
-100			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

FILE NAME = H:\P29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Structural\Final Plans\Microstation\048010IL.0102-68B69-047-Soil Boring Logs.dgn

OATES ASSOCIATES Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = 2/8/2016	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 048-0101 (W.B.) & 048-0102 (E.B.)
SHEET NO. 47 OF 61 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	101
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 7/18/95

ROUTE FAI-74 DESCRIPTION BETWEEN BN RR & LINCOLN ST OF S.N. 048-0005 EAST SIDE OF WB LANE LOGGED BY DLR

SECTION (48-26HVB)BY,BY-1 LOCATION I-74 over BNRR & Lincoln St., SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY KNOX DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 048-0005
Station 251+78.69

BORING NO. 2 (PIER #2)
Station 251+36.04
Offset 68.0 ft LT of SL
Ground Surface Elev. 800.89 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 779.4 ft
Upon Completion 799.9 ft
After 24 Hrs. 798.7 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Soil Description
				Lt Br & Lt Gr SILTY CLAY
	2			
	3	1.0	27	
	4	P		
796.89				trace of H2O @ 4'
	2			Lt Br & Lt Gr SILTY CLAY LOAM
-5	1	0.4	29	
	3	B		
794.39				Lt Br & Lt Gr SILTY LOAM
	1			
	2	0.4	25	
	2	B		
	H			
-10	2	0.5	24	
	3	B		
789.39				Br SILTY CLAY LOAM
	1			
	3	1.4	18	
	5	B		
786.89				Br mottled CLAY LOAM TILL
	2			
-15	5	2.2	22	
	7	S		
784.39				Br CLAY LOAM TILL
	2			
	2	0.5	20	wet sandy seam @ 17.5'
	3	B		
781.89				Br CLAY LOAM TILL
	1			w/ saturated seams
-20	2	0.3	21	
	2			Br CLAY LOAM TILL
	3			w/ saturated seams *(continued)*
779.39				Free H2O @ 21.5'
	2			
	2		24	Br SANDY LOAM
776.89				
	4			Br SILTY LOAM
-25	8	0.8	25	
	12	P		
774.39				Br fine Medium SAND
	5			
	8		28	
	9			
771.89				Gr CLAY LOAM TILL
	2			
-30	5	2.2	14	
	7	S		Sand @ 30'
	3			
	5	1.0	14	
	9	S		
	3			
-35	7	2.6	12	
	10	S		
	6			
	11	4.4	11	
	18	S		
	8			
-40	21	4.4	10	
760.89				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 7/18/95

ROUTE FAI-74 DESCRIPTION BETWEEN BN RR & LINCOLN ST OF S.N. 048-0005 EAST SIDE OF WB LANE LOGGED BY DLR

SECTION (48-26HVB)BY,BY-1 LOCATION I-74 over BNRR & Lincoln St., SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY KNOX DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 048-0005
Station 251+78.69

BORING NO. 2 (PIER #2)
Station 251+36.04
Offset 68.0 ft LT of SL
Ground Surface Elev. 800.89 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 779.4 ft
Upon Completion 799.9 ft
After 24 Hrs. 798.7 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Soil Description
	32	S		Gr coarse SAND & GRAVEL
			15	
	15			
	20		9	
	11			
758.89				
	6			Gr CLAY LOAM TILL
-45	9	4.3	16	
	30	S		
755.39				Sand @ 45.5'
	13			Gr coarse SAND & GRAVEL
	18		10	
	40			Clay seam @ 47.5'
	3			
-50	8		13	
	18			
	22			
	34		11	Clay Loam @ 51.75
	34			
	10			
-55	33		9	
	37			
	7			
	20		15	
	59			
	9			
-60	24		11	
	32	S		Loamy-some Clay @ 60'
740.39				End of Boring
	36			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Structural\Final Plans\Microstation\048010I.0102-68B69-048-Soil Boring Logs.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME =	DESIGNED -	REVISED -
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PLOT DATE = 2/8/2016	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 048-0101 (W.B.) & 048-0102 (E.B.)
SHEET NO. 48 OF 61 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	102
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 7/18/95

ROUTE FAI-74 DESCRIPTION BETWEEN BN RR & LINCOLN ST OF S.N. 048-0006 WEST SIDE OF EB LANE LOGGED BY DLR

SECTION (48-26HVB)BY,BY-1 LOCATION I-74 over BNRR & Lincoln St., SEC., TWP., RNG., Latitude, Longitude

COUNTY KNOX DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 048-0006
Station 251+78.69

BORING NO. 3 (PIER #2)
Station 252+31.18
Offset 69.0 ft RT of SL
Ground Surface Elev. 800.59 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 779.6 ft ▽
Upon Completion 799.3 ft ▽
After 24 Hrs. 797.8 ft ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material Description
				Lt Br & Lt Gr SILTY CLAY
	2			
	2 3	1.1 S	28	
796.59				
	2			Lt Br & Lt Gr SILTY CLAY LOAM
-5	2 2	0.6 B	27	
	H			trace of H2O @ 6'
	1 2	0.5 B	27	
	1			
-10	1 3	0.4 B	25	
789.09				
	1			Br SILTY CLAY LOAM
	2 2	0.4 B	23	
786.59				
	1			Br CLAY LOAM TILL
-16	3 5	1.8 S	22	
784.09				
	2			Br mottled CLAY LOAM
	2 3	0.8 B	21	Silty seams @ 17' & 17.25'
781.59				
	2			Br CLAY LOAM TILL
-20	5	2.7	16	
	7	B		Br CLAY LOAM TILL *(continued)*
	1			Free H2O
	4			
	3 5	0.4 B	18	Sand seam @ 22.75'
776.59				
	3			Br/Gr LOAM
-25	7 27	1.7 S	12	Coarse Sand & Gravel @ 25'
774.09				
	7			Br Coarse SAND & GRAVEL
	7 19		13	
771.59				
	4			Gr CLAY LOAM
-30	9 12	2.6 P	12	w/gravelly & Silty seams
769.09				
	4			Gr CLAY LOAM
	13 11	2.0 P	13	w/gravels
766.59				
	3			Gr CLAY LOAM TILL
-35	7 12	3.9 S	12	
	4			
	10 12	3.5 S	12	
	5			
-40	10	5.7	11	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 5-99)

Date 7/18/95

ROUTE FAI-74 DESCRIPTION BETWEEN BN RR & LINCOLN ST OF S.N. 048-0006 WEST SIDE OF EB LANE LOGGED BY DLR

SECTION (48-26HVB)BY,BY-1 LOCATION I-74 over BNRR & Lincoln St., SEC., TWP., RNG., Latitude, Longitude

COUNTY KNOX DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 048-0006
Station 251+78.69

BORING NO. 3 (PIER #2)
Station 252+31.18
Offset 69.0 ft RT of SL
Ground Surface Elev. 800.59 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 779.6 ft ▽
Upon Completion 799.3 ft ▽
After 24 Hrs. 797.8 ft ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material Description
	13	S		Gr CLAY LOAM TILL *(continued)*
	4			
	10 17	5.2 S	11	
756.59				
	1			Gr medium SAND
-45	1 1		23	
754.09				
	5			Gr medium SAND
	10 17		20	w/trace of Coal fragments
751.59				
	8			Gr CLAY LOAM TILL
-50	27 12	2.9 S	13	w/coarse Sand & Gravel seams
749.09				
	4			Gr coarse SAND
	12 16		18	w/trace of Gravel
746.09				
	7			Gr CLAY LOAM TILL
-55	10 15	5.4	19 14	
	3			
	4 10	3.3 S	15	
	3			
-60	5	2.9	17	
	9	B		Gr CLAY LOAM TILL *(continued)*
	3			
	5 9	2.0 B	17	
	3			
-65	5 8	1.9 B	16	
	3			
	6 11	2.3 B	16	
	3			
-70	8 10	2.6 S	18	
	3			
	6 11	2.3 S	18	
	5			
-75	13 14	2.3 B	13	
725.09				
				End of Boring
-80				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 5-99)

FILE NAME = M:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Structural\Final Plans\Microstation\048101.0102-68B69-045-Soil Boring Logs.dgn

OATES ASSOCIATES Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

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PLOT DATE = 2/8/2016	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 048-0101 (W.B.) & 048-0102 (E.B.)
SHEET NO. 49 OF 61 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	103
		CONTRACT NO. 68B69		
	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 7/19/95

ROUTE FAI-74 DESCRIPTION BETWEEN S. ABUTMENTS OF 048-0005, 048-0006 LOGGED BY DLR

SECTION (48-26HVB)BY,BY-1 LOCATION I-74 over BNRR & Lincoln St., SEC. , TWP. , RNG. , (Latitude , Longitude)

COUNTY KNOX DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 048-0005,0006
Station 251+78.69

BORING NO. 4 (S. ABUT)
Station 253+13.20
Offset 2.0 ft LT of SL
Ground Surface Elev. 831.50 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 785.0 ft ▽
Upon Completion * ft
After 24 Hrs. 795.5 ft ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dk Br SILTY CLAY LOAM			
	4		
	3 6	1.5 B	39
827.00			
-5 Dk Br, Br & Gr SILTY CLAY LOAM	2		
	5 7	2.9 B	33
824.50			
Br SILTY CLAY LOAM	2		
	5 5	2.3 B	28
822.00			
-10 Br & Dk Br SILTY CLAY LOAM	2		
	4 6	1.6 B	26
	3		
	3 5	1.6 S	30
817.00			
-15 Greenish Gr & Dk Gr SILTY CLAY LOAM	2		
	4 5	1.4 S	30
814.50			
Br SILTY CLAY LOAM	2		
	4 7	1.5 B	31
812.00			
-20	2		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Br w/some Dk Br SILTY CLAY LOAM *(continued)*			
809.50			
Br CLAY LOAM			
	4 7	2.3 B	26
Dk Br Silty Loam @ 23.5'			
807.00			
-25 Br & Gr CLAY LOAM	3		
	4 8	2.0 B	24
804.50			
Br & Gr SILTY CLAY LOAM	2		
	5 5	1.9 S	30
-30	3		
	4 6	2.3 B	25
799.50			
Dk Br SILTY CLAY LOAM	3		
	3 6	2.0 P	33
797.00			
-35 Greenish Gr & Gr SILTY CLAY	2		
	2 4	1.0 B	33
▽ 794.50			
Lt Br & Lt Gr SILTY LOAM	2		
	2 3	0.4 B	34
-40	2		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 7/19/95

ROUTE FAI-74 DESCRIPTION BETWEEN S. ABUTMENTS OF 048-0005, 048-0006 LOGGED BY DLR

SECTION (48-26HVB)BY,BY-1 LOCATION I-74 over BNRR & Lincoln St., SEC. , TWP. , RNG. , (Latitude , Longitude)

COUNTY KNOX DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 048-0005,0006
Station 251+78.69

BORING NO. 4 (S. ABUT)
Station 253+13.20
Offset 2.0 ft LT of SL
Ground Surface Elev. 831.50 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 785.0 ft ▽
Upon Completion * ft
After 24 Hrs. 795.5 ft ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Lt Br & Lt Gr SILTY LOAM *(continued)*	3 4	0.7 B	33
788.00	2 3	0.7 B	32
Br SILTY CLAY LOAM			
-45	2		
▽ 784.50	2 3	0.9 B	29
Br SILTY CLAY	3		
	4 7	1.4 S	32
782.00			
-50 Br CLAY TILL	2		
781.00	2 3	1.8 0.2	30 31
Br CLAY LOAM TILL / LOAM			
779.50	2		
Br LOAM	3	0.2	25
778.50	6	1.8	20
Pinkish Br CLAY LOAM TILL			
777.00	3		
-55 Gr CLAY LOAM TILL	5 8	1.8 B	20
	3		
-60	4 6	1.2 S	18

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gr CLAY LOAM TILL *(continued)*	7 9	2.3 B	20
Sand @ 62'	5		
	6 9	2.3 B	21
-65	3		
	9 12	4.6 B	18
	3		
	8 18	4.7 B	17
-70	5		
	12 18	5.0 B	18
	6		
	14 27	8.2 B	14
767.00			
-75 Gr fine-medium SAND	16@12" 8		27
764.00	2		29
Gr, fine SAND w/some Silt & Clay seams	10 22		32
762.00			
-80	11		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Date 7/19/95

ROUTE FAI-74 DESCRIPTION BETWEEN S. ABUTMENTS OF 048-0005, 048-0006 LOGGED BY DLR

SECTION (48-26HVB)BY,BY-1 LOCATION I-74 over BNRR & Lincoln St., SEC. , TWP. , RNG. , (Latitude , Longitude)

COUNTY KNOX DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 048-0005,0006
Station 251+78.69

BORING NO. 4 (S. ABUT)
Station 253+13.20
Offset 2.0 ft LT of SL
Ground Surface Elev. 831.50 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 785.0 ft ▽
Upon Completion * ft
After 24 Hrs. 795.5 ft ▽

DEPTH (ft)	BLOWS (/3")	UCS Qu (tsf)	MOIST (%)
Gr medium-coarse SAND w / 1" - 3" Clay Loam seams (Qp=4.0) *(continued)*	15 25		29
749.50	3		
Gr CLAY LOAM TILL	8 12	4.5 B	19
-85	4		
745.50	10 15	4.3 B	28
* NOT TAKEN End of Boring			
-90			
-95			
-100			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

FILE NAME = H:\P\248\WO 10 SN248-0005 & 0006 I-74 Phase 2\Structural\Final Plans\Microstation\048010I.0102-68B69-050-Soil Boring Logs.dgn

OATES ASSOCIATES Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME =	DESIGNED -	REVISED -	
	CHECKED -	REVISED -	
PLOT SCALE =	DRAWN -	REVISED -	
PLOT DATE = 2/8/2016	CHECKED -	REVISED -	

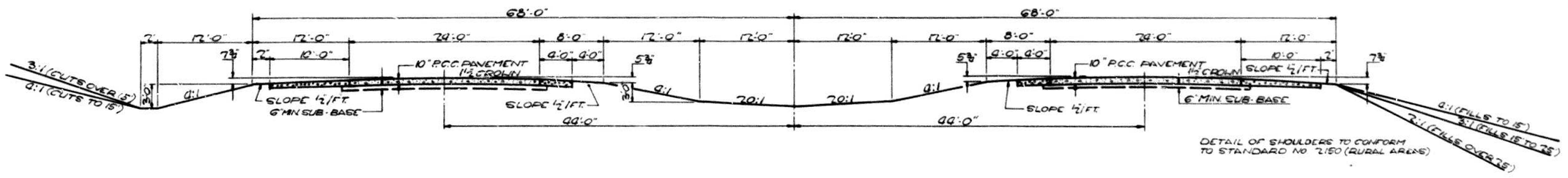
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 048–0101 (W.B.) & 048–0102 (E.B.)
SHEET NO. 50 OF 61 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	104
		CONTRACT NO. 68B69		
	ILLINOIS	FED. AID PROJECT		

ROUTE NO	SEC	COUNTY	TOTAL SHEETS	SHEET NO
FAI 74	48-26 HVB	KNOX	26	2
Prel Road Grad No 7	Proj			

TYPICAL SECTION THRU PROPOSED IMPROVEMENT (F.A.I. ROUTE 74)



DETAIL OF SHOULDERS TO CONFORM TO STANDARD NO 2150 (RURAL AREAS)

INDEX OF SHEETS

SHEET NO.	TITLE
1	TITLE SHEET
2	TYPICAL SECTION F.A.I. ROUTE 74
	INDEX OF SHEETS - SUMMARY OF QUANTITIES
3	PLAN AND PROFILE - F.A.I. ROUTE 74
4	GENERAL PLAN AND ELEVATION
5	PAVED DITCH LAYOUT AND DETAILS -
	GENERAL NOTES
6	EXPANSION GUARD - BORINGS
7	DECK DETAILS
8	STRUCTURAL STEEL
9	HANDRAIL DETAILS
10	PIERS 1
11	PIERS 2
12	PIERS 3
13	NORTH ABUTMENTS
14	SOUTH ABUTMENTS
15	END POST DETAILS
16	PILING DETAILS
17 - 22	CROSS SECTIONS F.A.I. ROUTE 74
23	STANDARDS 2113, 1686-2
24	STANDARDS 1744-1, 1971-3, 2114
25	STANDARD 2138-1
26	STANDARD 2153-2, [redacted]
26A	" 2051

SUMMARY OF QUANTITIES - SECTION 48-26 HVB

I	IG	QUAN.	UNITS	ITEMS	CODE NO.
49,443	63,257	103,700	CU. YD.	BORROW EXCAVATION	013001
402	630	1032	CU. YD.	CLASS A EXCAVATION FOR STRUCTURES	050001
623.6	975.5	1599.1	CU. YD.	CLASS X CONCRETE	052003
2.2	3.5	5.7	CU. YD.	CLASS X CONCRETE (HDWLS)	052016
1065	1,665	2730	SQ. YD.	PROTECTIVE COAT	052021
298,058	466,192	764,250	POUND	FURNISHING AND ERECTING STRUCTURAL STEEL	054001
87	137	224	LIN. FT.	PIPE CULVERTS, TYPE 2A, 36 INCH	058034
97,807	152,979	250,786	POUND	REINFORCEMENT BARS	059001
2664	4,168	6,832	LIN. FT.	FURNISHING CREOSOTED PILES, 20.1 TO 38 FEET	060005
1	1	2	EACH	TEST PILE TIMBER	060007
2664	4,168	6,832	LIN. FT.	DRIVING TIMBER PILES	060008
975	1,525	2500	LIN. FT.	DRIVING CONCRETE PILES	060043
975	1,525	2500	LIN. FT.	FURNISHING CONCRETE PILES	060044
1	1	2	EACH	TEST PILE CONCRETE	060047
1	1	2	EACH	NAME PLATES	061001
917	1,433	2,350	SQ. YD.	SLOPE WALL 4 INCH	083002
5	7	12	EACH	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	104001
988	1,546	2534	SQ. YD.	SODDING	112001
0.4	0.6	1	LUMP SUM	BRIDGE SEAT SEALANT *	Z01023
	1	1	L SUM	RAILROAD PROTECTIVE SERVICES	Z01065
473	739	1212	LIN. FT.	ALUMINUM HANDRAIL	Z00004

* Use at abutments only.

HIGHWAY CLASSIFICATION

F.A.I. ROUTE 74
866 - T - 70 - 1975

MAXIMUM GRADE	+3.00 %
LENGTH OF MAXIMUM GRADE	1238 FEET
MINIMUM STOPPING SIGHT DISTANCE	757 FEET
MINIMUM HORIZONTAL RADIUS	TANGENT

TWO (2) SIGNS CONFORMING TO STD. 2153-2 SHALL BE ERECTED AT LOCATIONS AS SHOWN ON THE PLANS.

SUBMITTED May 24, 1961
DISTRICT DESIGN ENGINEER

EXAMINED June 28, 1961
DISTRICT CONSTRUCTION ENGINEER

EXAMINED May 26, 1961
DISTRICT MAINTENANCE ENGINEER

EXAMINED 24 May 61
DISTRICT TRAFFIC ENGINEER
ENTIRE SECTION INSPECTED AND APPROVED AS TO POLICY
DATE June 21, 1961
DISTRICT ENGINEER

Revisions: 11-26-62 Stopwall 1525 to 2350 Sq Yd, Reinforcement 238,550# to 250,626#, addition of protective coat 2730 Sq Yd. S.E. 11-26-62
Rev 4-1-63 VDS Added 1212 lin ft Metal H.R Type 'L'; added Type 'D' to Alum H.R
Quantity change - N.M.D. - 4/4/63: Bernam Rec. From 81,500 to 102,700 added Railroad protective service. - DLW 5/1/63 Change Code No. - Handrail
added std 2081 (2'-0" Curb (Hdg) - 8" Wall Reinforcement) — 300' Deleted Alternates A & B

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OATES ASSOCIATES Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

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PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = 2/8/2016	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
FOR INFORMATION ONLY
SHEET NO. 51 OF 61 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	105
		CONTRACT NO. 68B69		
	ILLINOIS	FED. AID PROJECT		

Exist Structure: None B.M. No 18 Spk. & Wr. in base of 60" Maple 128'Lt Sta 261+78 Elev 802.76

See Sheet 3 for main track profile

Top of Piles El. 830.16 E. Str. El. 830.46 W. Str.

Top of Piles El. 829.52 - E. Str. El. 829.09 - W. Str.

Route	Sec	County	Total Sheets	Sheet No.
F.A.I. 74	(48-26HVB)BR	KNOX	216	4

Prop. F-74-2( )45

Proposed Future Crown F.A.I. Rte. 74 Pavement

Subgrade Elev.

Approach Pvmt. Piles

Present Ground Line

Est. 43,302 Cu Yds Earth Emb.
Est. 51,963 Cu. Yds Borrow Excav

305'-7" c to c Abutments (on slope)

SPAN 1 | SPAN 2 | SPAN 3 | SPAN 4

Proposed Future Crown F.A.I. Rte. 74 Pavement

Approach Pvmt. Piles Est. Length 25'

Earth Embankment Cone (by Bridge Contractor)

Est. 43,113 Cu Yds Earth Emb.
Est. 51,737 Cu Yds Borrow Excav

NORTH ABUT. | PIER 1 | PIER 2 | PIER 3 | SOUTH ABUT.

Temporary Sheet Piling (Cost Incidental)

STATION 261+78.69
BUILT 1976 BY
STATE OF ILLINOIS
F.A.I. RTE 74 SEC (48-26HVB)
F.A. PROJECT 1-74-2( )45
LOADING H 20-S16 ALT

LETTERING FOR NAME PLATE
See Std. 2113 2 Reqd

ELEVATION
Scale: 1"=20'
(All elevs. along Survey Line except as noted)

NOTE
See next sheet for details of toe of slope wall, paved ditches, & drainage details, and General Notes

R/E of the 4th P.M.
LOCATION SKETCH
SCALE: 1" = 1 mi.

Earth Embankment Cone (by Bridge Contractor)

66'-3" c to c Brgs. | 88'-0" c to c Brgs. | 88'-0" c to c Brgs. | 66'-6" c to c Brgs.

Toe of Slope

Back of Abutment Line (edge of seat)

(Pipe Fl. 801.10 Headwall, Elev. 05" STD. 705.06 36"-Pl (Typical 2 places)

Creosoted Piles for approach Pvmt. Std. 2138-1 (Method 2) of each approach Min Capacity: 16 Tons Est. Length: 25' 7 Reqd each approach

Sod

C.B. & Q. R.R. Main Track

℄ Brg. Pier 1

℄ Brg. Pier 2

Exist. (80') Conc. Pvmt.

Proposed future widening (by others)

Proposed future ℄ Ditch (by others)

Back of Abut. Line (Edge of Seat)

Sod

20'-0" Limits of Slope Wall

Toe of Slope

℄ Shoulder (by others)

℄ 28' Conc. Pavement (by others)

℄ & Pavy. East Structure ℄ Left Pvmt.

Bore #5

Bore #4

Bore #3

Bore #2

EAST STRUCTURE

℄ Brg. No. Abut. Sta 259+96.63 Cr. Elev 832.71

℄ Pier 1 Sta 260+62.88 Cr. Elev 832.78

℄ Pier 2 Sta 261+67.88 Cr. Elev 832.72

℄ Pier 3 Sta 262+73.88 Cr. Elev 832.67

℄ Brg. So. Abut. Sta 263+79.38 Cr. Elev 832.76

Note 8: Floor drains in spans 1 & 3 only (see deck details)

Back of North Abut. Sta 259+96.21 Cr. Elev 832.70

Back of South Abut. Sta 263+99.80 Cr. Elev 832.73

9 F.A.I. 74 Survey Line

℄ Brg. No. Abuts.

Sta 260+18.60 Pipe Culv. T-2A 36"ϕ 229 Lin. Ft.

Sta 261+78.69

Sta 263+78.69

Slope 6:1

℄ Brg. So. Abuts.

Approach Pvmt. Piles (by Bridge Contractor)

℄ Shoulder (by others)

℄ 28' Conc. Pavement (by others)

℄ Pavy. West Structure ℄ Right Pvmt.

Bore #6

Bore #7

Bore #8

Bore #9

℄ Brg. No. Abut. Sta 260+68.23 Cr. Elev 832.78

℄ Pier 1 Sta 261+68.60 Cr. Elev 832.78

℄ Pier 2 Sta 262+68.60 Cr. Elev 832.66

℄ Pier 3 Sta 263+68.60 Cr. Elev 832.18

℄ Brg. So. Abut. Sta 264+68.00 Cr. Elev 831.76

WEST STRUCTURE

Note 8

Back of North Abut. Sta 260+68.83 Cr. Elev 832.78

Back of South Abut. Sta 264+61.66 Cr. Elev 831.74

Pipe Fl. Bot. 60 Sod

Welded wire fabric 6"x6" mesh #9 wire wt 68 lb/100 sf use in all slope walls & paved ditches

Circular Paved Ditch By Bridge Contractor

Paved Ditch By Bridge Contractor

Earth Embankment Cone (by Bridge Contractor)

Toe of Slope

W.W.F.

Front Face of Abut. Cap

SECTION A-A

PLAN
Scale: 1"=20'

DESIGN STRESSES
f_s: 20,000 #/in² (Structural) ASTM A36 steel
f_s: 20,000 #/in² (Reinforcement)
f_c: 1,400 #/in² (without earth pressure)
f_c: 1,000 #/in² (with earth pressure)
v: 78 #/in² Shear in pier footings
n: 10

LOADING H20-S16 & ALTERNATE LOG
Note: Dead load includes 18 pounds per sq ft of roadway for future wearing surface

Designed by: R Hofmann
Checked by: T.D Gaglia
Drawn by: R.R & F.H.

GENERAL PLAN AND ELEVATION
F.A.I. ROUTE 74 SECTION (48-26HVB)
PROJECT 1-74-2( )45
F.A.I. ROUTE 74 OVER U.S. RTE 34 AND C.B. & Q. R.R.
KNOX COUNTY, ILLINOIS
STA. 261+78.69 F.A.I. ROUTE 74

STRUCTURES BY ROBERT HOFMANN & ASSOCIATES CONSULTING ENGINEERS, DIXON ILLINOIS

Revisions: 11-26-62 Extension of stepwall between bridges 1828 Sq Yds. to 2300 Sq Yds., Added Section AA, Change A-7 sheet to A-36 Steel
Rev 5-8-63 1708 Added notes: Paved ditch by Bridge Contractor.

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Structural\Final Plans\Microstation\0480101.0102-68B69-052-Existing Bridge Plans.dgn

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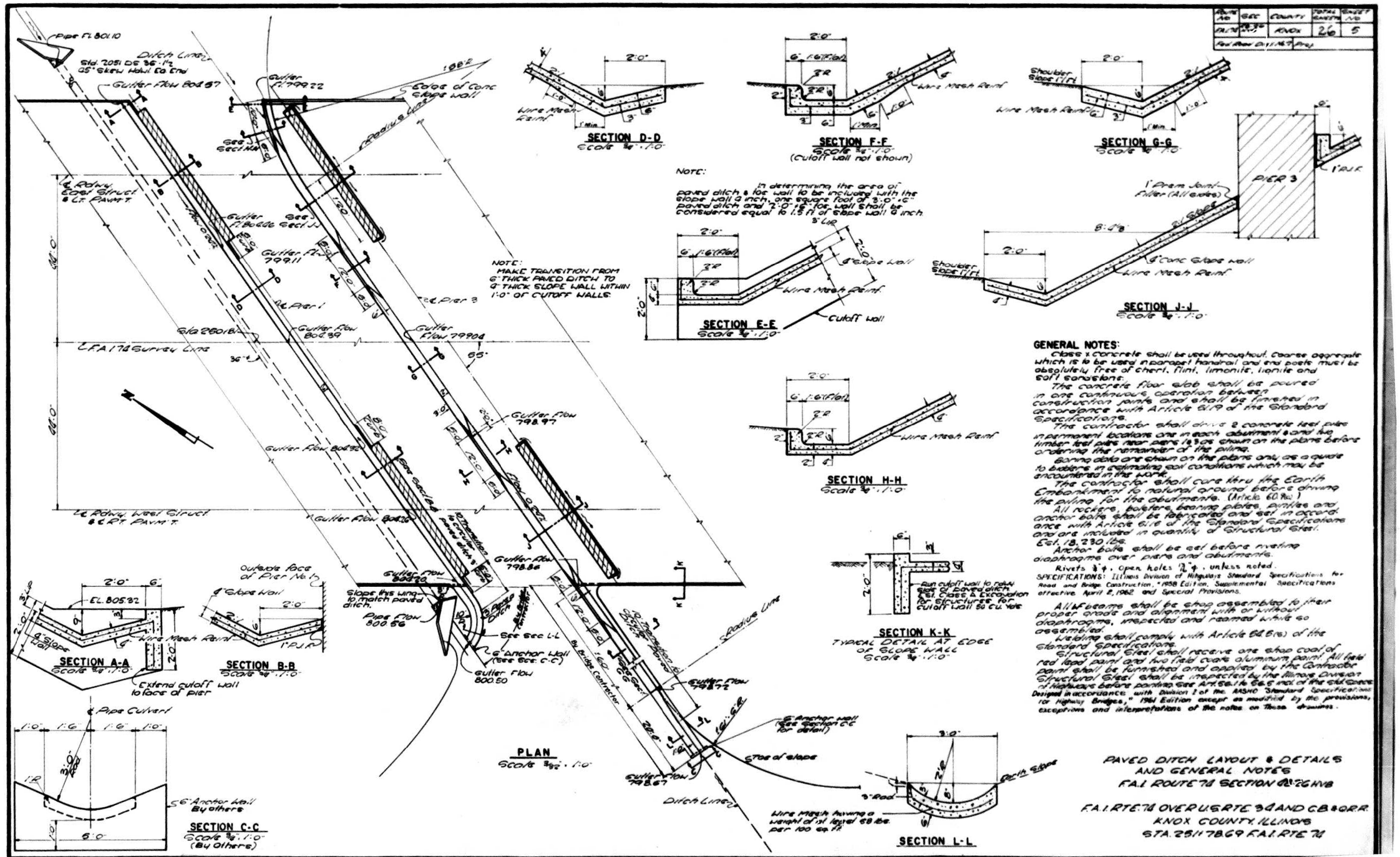
		CHECKED -	REVISED -
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE = 2/8/2016	CHECKED -	REVISED -

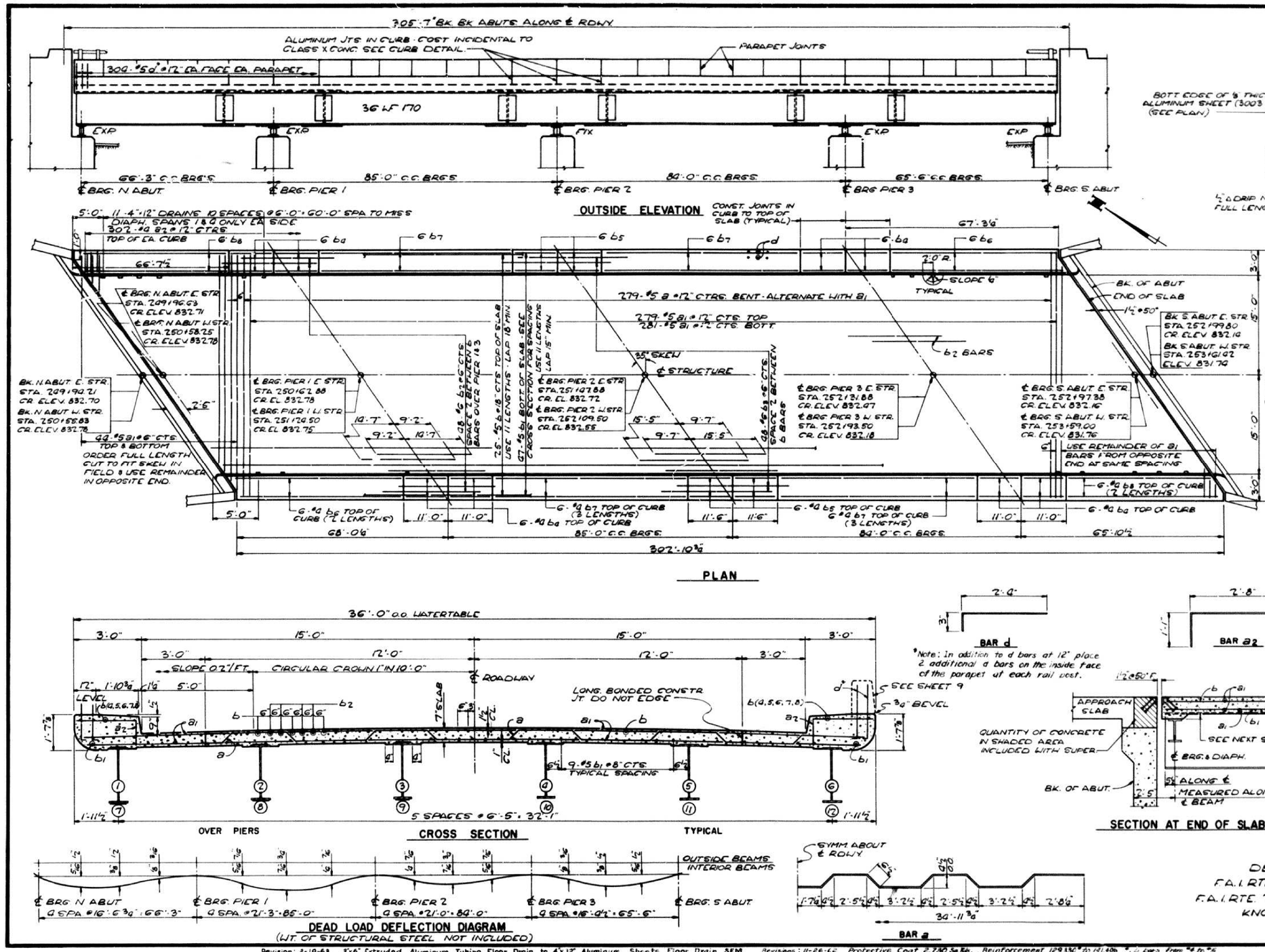
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS FOR INFORMATION ONLY
SHEET NO. 52 OF 61 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	106
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

ROUTE	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	(48-26HVB)BR	KNOX	26	5
Total Area 0.11 Ac.		Proj		



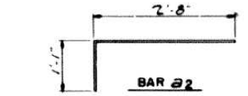


PLAN

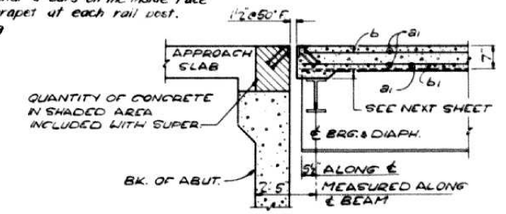
CROSS SECTION

DEAD LOAD DEFLECTION DIAGRAM
(WT. OF STRUCTURAL STEEL NOT INCLUDED)

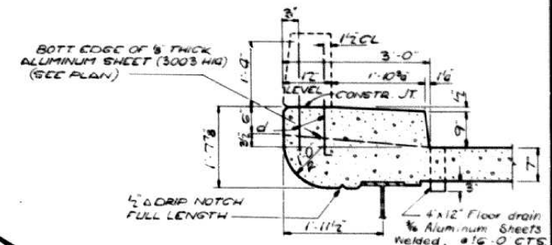
BAR a



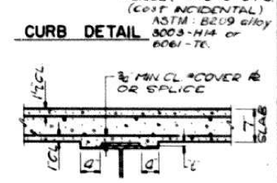
*Note: In addition to d bars at 12" place 2 additional d bars on the inside face of the parapet at each rail post.



SECTION AT END OF SLAB



CURB DETAIL



METHOD OF DETERMINING FILLET HEIGHT "t"

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 ELEVS. SUBTRACT THE INCREMENT OF DEFLECTION FOR THESE POINTS DETERMINED FROM THE D. L. DEFLECTION DIAGRAM. THE ELEVS. SO ATTAINED, SUBTRACTED FROM THE THEORETICAL GRADE ELEVS. MINUS FLOOR THICKNESS EQUALS THE FILLET HEIGHT ABOVE TOP OF BEAM.

BILL OF MATERIAL (2 STRUC.)

BAR	NO.	SIZE	LENGTH	SHAPE
a	558	#5	36'-8"	
a1	1292	#5	30'-6"	
a2	1208	#9	3'-9"	
b	550	#5	29'-0"	
b1	1038	#5	28'-9"	
b2	192	#6	23'-9"	
b3	96	#6	25'-0"	
b4	96	#9	10'-9"	
b5	98	#9	11'-3"	
b6	98	#9	29'-9"	
b7	196	#9	21'-6"	
b8	98	#9	28'-3"	
d	2720	#5	2'-7"	
CLASS X CONCRETE			CU YDS.	672.3
REINFORCEMENT BARS			LBS.	141,406
STRUCTURAL STEEL			LBS.	764,230
PROTECTIVE COAT			SQ YDS.	2,730

DECK DETAILS
F.A.I. RTE. 74 - SEC. 98-26 HVB
F.A.I. RTE. 74 OVER U.S. RTE. 34 & C.B. & Q. R.R.
KNOX COUNTY, ILLINOIS
STA. 251+78.69

Revision: 2-19-63 3"x6" Extruded Aluminum Tubing Floor Drain to 4"x12" Aluminum Sheets Floor Drain SFM. Revisions: 11-26-62 Protective Coat 2,730 Sq.Yds., Reinforcement 129,330# to 141,406 #, b2 Bars from #4 to #6 S.E. 11-26-62

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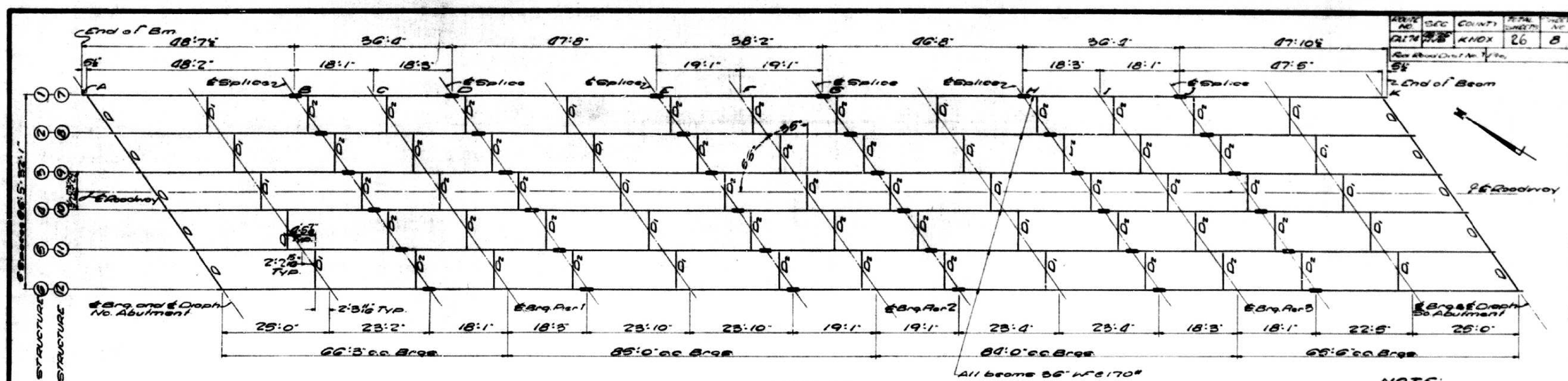
ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	(48-26HVB)BR	KNOX	26	8

For Revised Detail See Sheet No. 9 thru 26

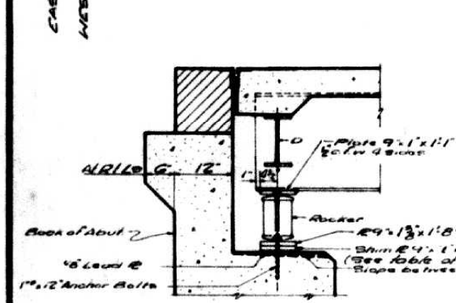


FRAMING PLAN
(No Scale)

NOTE:
Beams 1 thru 6: East Structure
Beams 7 thru 12: West Structure
All WF Beams A.S.T.M. A-36

All rivets ⅞" except as noted ℄ Splices

* These elevations are theoretical top of flange elevations and are to be used for fabrication of structural steel. They do not include any allowance for deflection.



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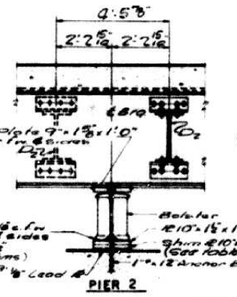
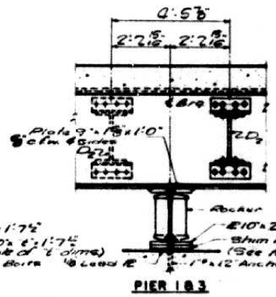
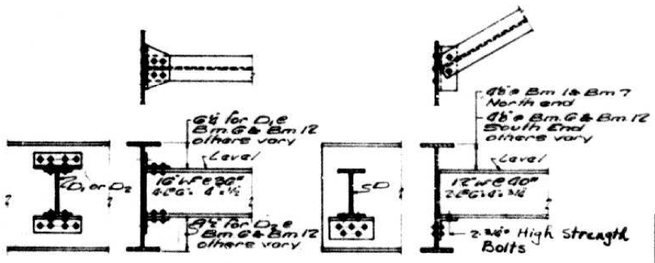
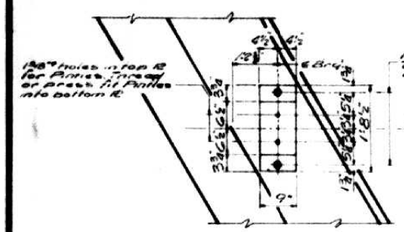


PIER 2



PIER 1 & 3





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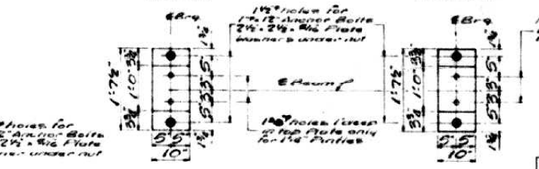
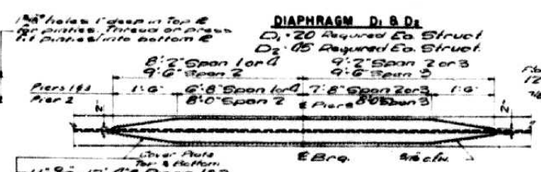
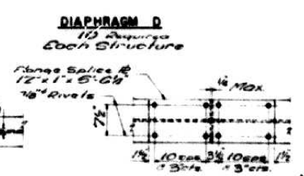


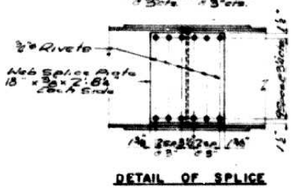
PLAN



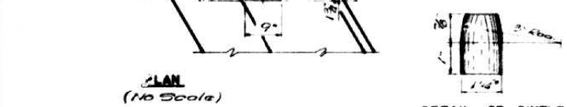
DIAPHRAGM D1 & D2
D1 - 20 Required Ea. Struct.
D2 - 15 Required Ea. Struct.
8'-2" Span 1 or 4
9'-6" Span 2
9'-2" Span 2 or 3
9'-6" Span 3
6'-8" Span 1 or 4
8'-0" Span 2
7'-8" Span 2 or 3
8'-0" Span 3
DETAIL OF COVER PLATES



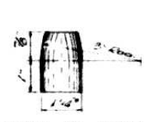
DIAPHRAGM D
10 Required
Each Structure



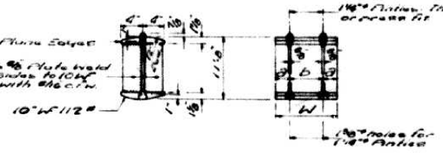
DETAIL OF SPLICE



PLAN
(No Scale)

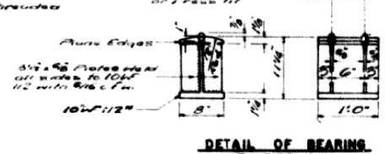


DETAIL OF PINTLE
108 Req'd Each Structure



DETAIL OF BEARING
AT PIER 1 & 3
AND AT ABUTMENTS
Abutments - 12 req'd 13" wide ea Struct.
Piers - 12 req'd 12" wide ea Struct.

BEARING DIMENSIONS	B	L	W
Abutments	34"	6'-6"	13"
Piers 1 & 3	3"	6"	12"



DETAIL OF BEARING
AT PIER 2
6 Req'd Each Struct.

TABLE OF "L" DIMENSIONS - ABUTMENTS & PIERS

BEAM	1	2	3	4	5	6	7	8	9	10	11	12
NO ABUT.	0	0	0	0	0	0	0	0	0	0	0	0
PIER 1	0	0	0	0	0	0	0	0	1⅛"	0	0	0
PIER 2	0	1⅛	0	0	0	0	1⅛	0	0	0	0	0
PIER 3	0	1"	0	0	0	0	0	1"	0	0	0	0
SO ABUT.	0	0	0	0	0	0	0	0	0	0	0	0

ELEVATION TOP OF WF BEAMS*

EAST STRUCTURE

LOCATION	PT	Bm 1	Bm 2	Bm 3	Bm 4	Bm 5	Bm 6
No. End of Bm	A	893.91	893.92	893.11	892.12	892.05	893.96
℄ Splice	B	893.91	893.92	893.09	892.10	892.05	893.93
℄ Brg. Pier 1	C	893.92	893.93	893.10	892.10	892.05	893.93
℄ Splice	D	893.93	893.93	893.11	892.10	892.05	893.93
℄ Splice	E	893.91	893.90	893.07	892.07	893.99	893.87
℄ Brg. Pier 2	F	893.88	893.87	893.04	892.05	893.96	893.85
℄ Splice	G	893.86	893.84	893.01	892.03	893.91	893.79
℄ Splice	H	893.79	893.78	893.67	893.85	893.77	893.66
℄ Brg. Pier 3	I	893.66	893.76	893.80	893.78	893.69	893.62
℄ Splice	J	893.57	893.67	893.79	893.71	893.61	893.66
So. End of Bm	K	893.66	893.62	893.67	893.66	893.66	893.81

WEST STRUCTURE

LOCATION	PT	Bm 7	Bm 8	Bm 9	Bm 10	Bm 11	Bm 12
No. End of Bm	A	893.21	893.21	892.19	892.19	892.12	893.02
℄ Splice	B	893.99	893.20	892.11	892.09	893.02	893.91
℄ Brg. Pier 1	C	893.91	893.01	892.08	892.07	893.99	893.89
℄ Splice	D	893.89	893.99	892.08	892.05	893.96	893.88
℄ Splice	E	893.79	893.88	893.96	893.98	893.84	893.72
℄ Brg. Pier 2	F	893.73	893.82	893.88	893.86	893.77	893.65
℄ Splice	G	893.67	893.76	893.82	893.79	893.70	893.58
℄ Splice	H	893.03	893.52	893.6	893.63	893.68	893.56
℄ Brg. Pier 3	I	893.56	893.62	893.61	893.62	893.58	893.25
℄ Splice	J	893.28	893.26	893.61	893.28	893.26	893.16
So. End of Bm	K	893.06	893.12	893.18	893.17	893.06	893.09

STRUCTURAL STEEL
F.A.I. RTE. 74 SEC. 0826 HVB

F.A.I. RTE. 74 OVER U.S. RTE. 34 AND C.B.&Q. R.R.
KNOX COUNTY, ILLINOIS
STA 251+78.69 F.A.I. RTE. 74

FILE NAME = H:\P\29848\WD 10 SN848-0005 & 0006 I-74 Phase 2\Structural\Final Plans\Microstation\0848101.0102-68B69-055-Existing Bridge Plansdgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = 2/8/2016	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
FOR INFORMATION ONLY
SHEET NO. 55 OF 61 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	109
		CONTRACT NO. 68B69		
	ILLINOIS	FED. AID PROJECT		

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	48-26 HVB	KNOX	26	10
Red Road Dist No. 4 Area				

EAST STRUCTURE
Sta. 251+78.69
Sta. 250+62.88
Cr. El. 832.78
WEST STRUCTURE
Sta. 251+24.60
Cr. El. 832.75

℄ Brg. PIER I

℄ Column — Symm about ℄ Pier except as shown — ℄ Rdwy. — ℄ Column 2 — Waterlable — 1½ Chamfer — Coast End

West End — U$_{8}$ — 6 #6 — 2'-2½ — 1'-5

7'-10" | 7'-10" | 3'-11" | 3'-11" | 7'-10" | 7'-10" | 2'-2½

7'-11½" | 7'-10" | 6'-0" | 6'-0" | 7'-10" | 7'-11½"

13'-6½ o/o

Bm 1 or Bm 7

TOP PLAN

El. 827.63 E Strut
El. 827.58 W Strut

3-#7 bars di each end

3-#4 S$_{3}$ Top & bolt at End

1½ E Strut
1½ W Strut

A — 3½ E Strut / 1 W Strut

B — El. 827.80 E Strut / El. 827.77 W Strut / 3½ E Strut / 3¼ W Strut

1¾ E Strut / 1⅛ W Strut

El. 827.62 E Strut
El. 827.61 W Strut

3-#8 bars S$_{2}$ top at each column

25-10m — L$_{2}$-#7 P$_{2}$ — 3-#7 m — 3 d

5-10m (19-S$_{8}$ @ 6" Typical) at top & bolt — 3-#7 m$_{1}$

1:7½ Rad — 1:6½

#9 V$_{8}$ 12 m at column — #9 V$_{8}$ 12 m at column

B — 3 sets of 4 bars S$_{2}$ @ 12" (1 - #8, 1 - #7 Typical at column) — Rad 111'-9"

1:6½ — 3'-0" — 9'-6" — 3'-0" — 9'-6" — 3'-0" — 9'-6" — 3'-0" — 1:6½

6'-10½" — 10½ G

Bonded Constr. Jt.

Cl. Elev. 812.00

4-#7 P$_{2}$

18" min Lap

U$_{8}$ — 1½ Chamfer

58-#6 U$_{4}$ @ 9"

3"c to c U$_{4}$ @ 12" c to c Beg. 2" c to c End

58-#6 U$_{4}$ @ 9"

Bonded Constr. Jt.

℄ Elev. 796.50

A

ELEVATION PIER I
(No Scale)

Top of Footing Elev. 808.50

Top of Stem Elev. 811.50

13'-3" — 2'-3"

Vs (12 at. Column) — Vs (12 at. Column)

1½ Chamfer

4-#8 h$_{4}$ — 2'-6" — 4'-0"

Elev. 796.50

1'-3" — 4'-0" — 4'-0" — 1'-3"

10'-6"

SECTION A-A
(No Scale)

SECTION THRU COLUMN

3½ Chamfer — 2'-6" — 1:5 — 1:5 — 1½ Chamfer — 1½ Cl. — 3'-0" — 1:6" — 1:6" — 3'-0" — 3/4 Chamfer

SECTION B-B THRU CAP

16'-3" — 120° — BAR m

BAR S$_{3}$

3'-3" — 2'-2 o/o

BARS U$_{2}$, U$_{3}$, U$_{4}$ U$_{5}$

U$_{2}$ 3'-2" o/o — U$_{3}$ 2'-5" o/o — U$_{4}$ 2'-9" o/o — U$_{5}$ 3'-4½" — 3'-10½" — 4'-5" — 4'-11½"

BAR t$_{1}$

6" — 6" — 6" — 2'-9 o/o

BAR t

4½" — 2'-9 o/o

BAR d$_{1}$

1'-8" — 9½ — G — 1'-9

BILL OF MATERIALS 2 PIERS

BAR	NO	SIZE	LENGTH	SHAPE
d	12	#7	4'-3"	7
S$_{3}$	276	#5	8'-8"	U
T	118	#8	10'-3"	——
h$_{4}$	100	#6	21'-9"	——
P	10	#10	93'-3"	——
P$_{2}$	12	#7	93'-3"	——
P$_{3}$	8	#7	92'-3"	——
V$_{8}$	96	#9	13'-6"	——
V$_{8}$	96	#9	6'-6"	——
U$_{2}$	116	#6	13'-8"	⊏
U$_{3}$	116	#5	23'-6"	⊏
U$_{4}$	56	#6	11'-3"	⊏
U$_{5}$	16	#6	11'-3"	⊏
m	30	#10	16'-3"	⌒
m$_{1}$	12	#7	9'-6"	—
t	100	#6	10'-9"	⊐
t$_{1}$	100	#6	8'-10"	Q
W	6	#6	93'-0"	——

CLASS X CONCRETE	CU. YDS.	2903
REINFORCEMENT BARS	LBS.	28,830
FURN. CREOSOTED PILES	LIN. FT.	2232
DRIVING TIMBER PILES	LIN. FT.	2232
TEST PILES (TIMBER)	EA.	1
CLASS A EXCAVATION FOR STRUCTURE CU. YDS.		332

PILE DATA

TYPE: CREOSOTED TIMBER
DESIGN CAPACITY 20 TONS
EST. LENGTH 31 FT.
NO REQ'D. 36 Each Structure

TEST PILE (TIMBER) Drive one timber test pile near Pier 1 as directed by the Engineer

63'-6½"

21'-9½" — ℄ Fig. Symm. — 11 Spaces @ 3'-8½" = 40'-9½" — 21'-9½" — 1:4½

6" — W1 — 59-#8 L = 9'-6" c/c — 38" — 1½ x 1 — U$_{2}$ — h$_{4}$ — ℄ Fig., E Stem, & Piles — U$_{8}$ — h$_{4}$ — 1½ Chamfer — 4-#7 P$_{2}$ — W — ℄ Pavt — W1

10'-6" — 4'-0" — 2'-6" — 1'-3" — 4'-0" — 1'-3" — 10'-6"

SHOWING REINFORCEMENT AND STEM — SHOWING PILE LAYOUT

FOOTING PLAN

PIER 1 EAST STRUCTURE
AND
PIER 1 WEST STRUCTURE
FA I RTE 74 SEC 48-26HVB

FA I RTE 74 OVER US RTE 34 & CB & Q RR
KNOX COUNTY, ILLINOIS
STA 251+78.69 FA I RTE 74

FILE NAME = H:\P\29848\WD 10 SN848-0005 & 0006 I-74 Phase 2\Structural\Final Plans\Microstation\0848101.0102-68B69-056-Existing Bridge Plans.dgn

OATES ASSOCIATES Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

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	CHECKED -	REVISED -	
PLOT SCALE =	DRAWN -	REVISED -	
PLOT DATE = 2/8/2016	CHECKED -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
FOR INFORMATION ONLY
SHEET NO. 56 OF 61 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	110
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

ROUTE NO	SEC	COUNTY	TOTAL SHEETS	SHEET NO
FAI RTE 74	48-26 HVB	KNOX	212	111

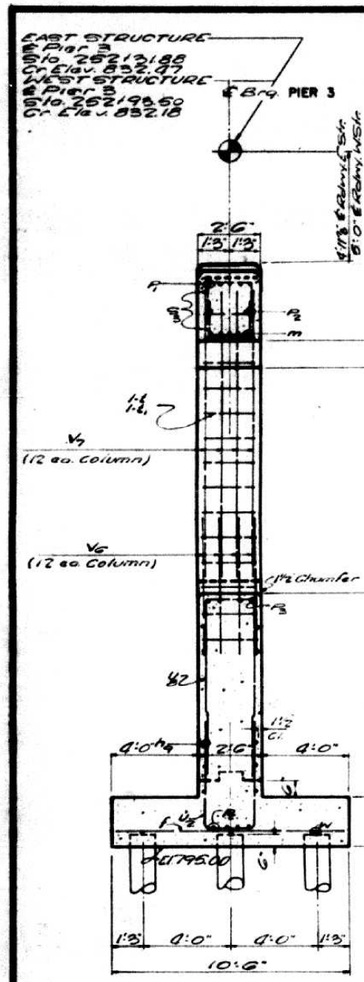
EAST STRUCTURE
℄ Pier 2
Sta. 261+07.88
Cr. Elev. 832.72
WEST STRUCTURE
℄ Pier 2
Sta. 262+09.60
Cr. Elev. 832.69

PIER 2

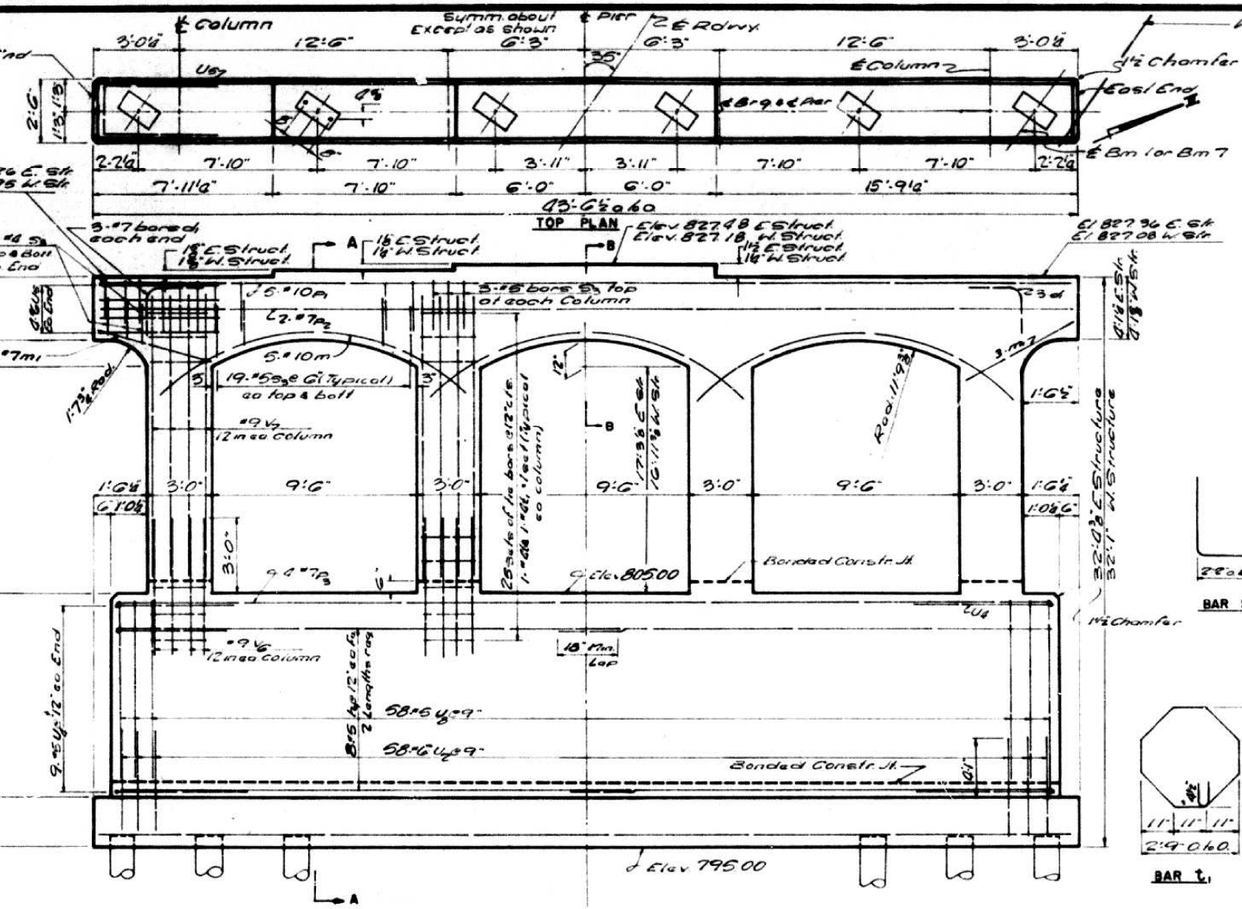
℄ Column
Symm about ℄ Pier except as shown
℄ Pier
℄ Rdwy
Waterlable
West End
East End
℄ Column 2
1½ Chamfer
℄ Brg at Pier
℄ Brg 1 or Brg 7
℄ Brg 2 or Brg 6
El. 827.66 ℄ Str
El. 827.38 W Str
5-#7 bars di each end
1½ ℄ Struct
1½ W Struct
1⅞ ℄ Struct
1⅞ W Struct
827.6 ℄ Str
827.6 W Str
3-#4 ss Top & Bott at End
5-#5 bars S_5 top of each column
19-#5 S_5 @ 6" Typical) at top & bott
#9 V_8 12 in ea Column
#7 P_3
#7 P_2
#4 P_1
#7 m
#7 m2
#7 Rod
Bonded Constr Jt
Elev 812.00
Elev 797.00
#9 V_8 12 in ea Column
#7 m Lap
#7 hg
#7 Rod
#7 Rod at End
#7 Rdwy
#7 Rdwy at End
#7 Rdwy 2 Lengths
68-#6 @ 4-9"
58-#7 @ 6 @ 9"
Bonded Constr Jt
Elev 797.00
A
B
(V_8 (12 ea Column))
(V_8 (12 ea Column))
1½ Chamfer
42
1½ cl
2'-6" 1'-3" 1'-3"
11'-6"
4'-6" hg
4'-6"
4'-6"
1'-3"
1'-3"
2'-6"
12'-6"
2'-6"
1'-6"
3'-0"
1'-6"
9'-6"
3'-0"
9'-6"
3'-0"
9'-6"
3'-0"
1'-6½"
1'-0½" 6
1'-6½"
3'-0"
3'-0"
3'-0

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	(48-26 HVB)	KNOX	26	12
Std Road Dist No.				

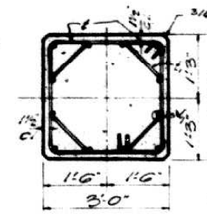
EAST STRUCTURE
℄ Pier 3
Sta. 252+31.88
Cr. Elev. 832.47
WEST STRUCTURE
℄ Pier 3
Sta. 252+96.50
Cr. Elev. 832.18



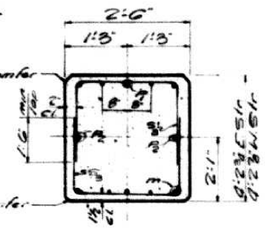
SECTION A-A
(No Scale)



ELEVATION PIER 3
(No Scale)



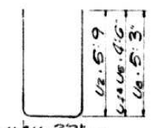
SECTION THRU COLUMN



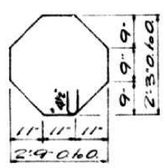
SECTION B-B
THRU CAP

BAR m

BAR S_3



BARS U_2, U_4, U_5 U_6



BAR t1

BAR t

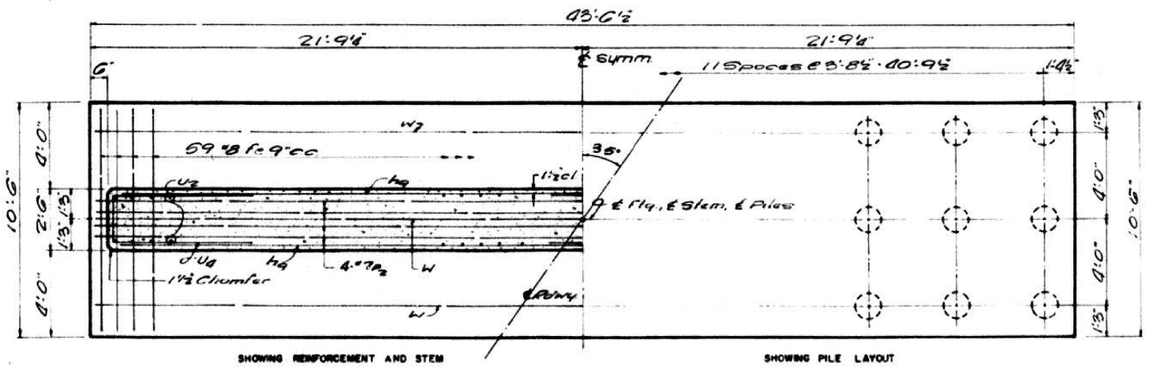
BAR t1

BILL OF MATERIALS 2 PIERS

BAR	NO	SIZE	LENGTH	SHAPE
d	12	#7	4'-3"	7
S_3	276	#5	8'-5"	U
f	118	#8	10'-3"	—
h4	64	#6	21'-9"	—
A	10	#10	93'-3"	—
A_2	12	#7	93'-3"	—
P_3	8	#7	92'-3"	—
V_6	96	#9	6'-6"	—
V_7	96	#9	21'-0"	—
U_2	116	#6	13'-8"	⊏
U_4	36	#5	11'-3"	⊏
U_5	16	#6	11'-3"	⊏
U_6	116	#5	12'-8"	⊏
m	30	#10	15'-3"	⌒
m_1	12	#7	4'-6"	—
t	200	#4	10'-9"	□
t_1	200	#4	8'-11"	○
W	6	#6	93'-0"	—
CLASS X CONCRETE			CU. YDS.	211.8
REINFORCEMENT BARS			LBS.	29560
FURN. CREOSOTED PILES			LIN. FT.	1872
DRIVING TIMBER PILES			LIN. FT.	1872
TEST PILES		(TIMBER)	EA.	1
CLASS A EXCAVATION FOR STRUCTURE			CU. YDS.	296

PILE DATA

TYPE: CREOSOTED TIMBER
FAN CAPACITY 20 TONS
EST. LENGTH 26 FT.
NO. REQ'D 36 ea Structure
TEST PILE (TIMBER) Drive one timber test pile near Pier 3 as directed by the Engineer.



SHOWING REINFORCEMENT AND STEM

SHOWING PILE LAYOUT

FOOTING PLAN

PIER 3 EAST STRUCTURE
AND
PIER 3 WEST STRUCTURE
FAI RTE 74 SEC 48-26HVB

FAI RTE 74 OVER US RTE 34 & CB & Q RR
KNOX COUNTY, ILLINOIS
STA. 251+78.69 FAI. RTE. 74

FILE NAME = H:\P29048\WD 10 SN048-0005 & 0006 I-74 Phase 2\Structural\Final Plans\Microstation\0480101.0102-68B69-058-Existing Bridge Plans.dgn

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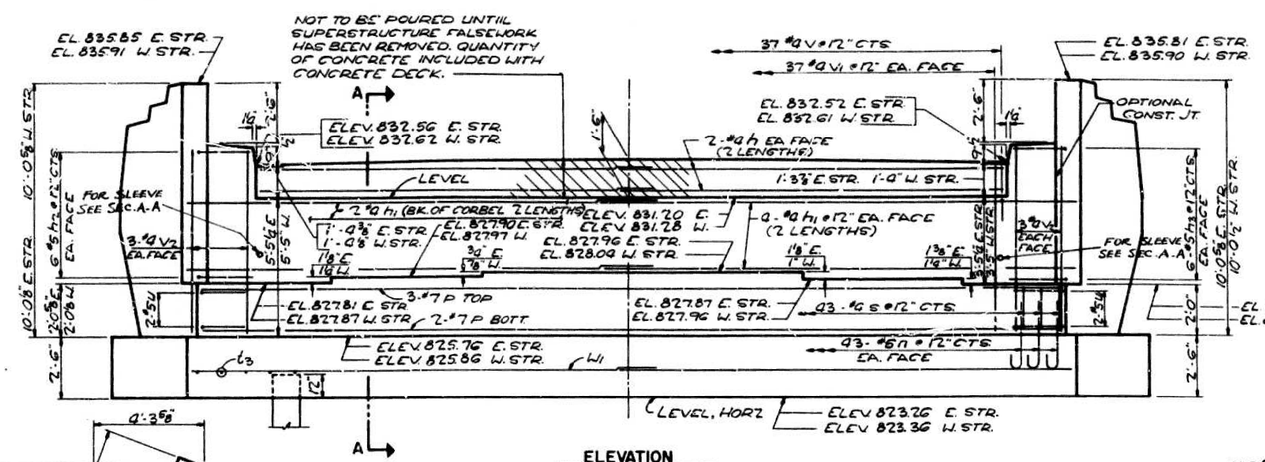
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

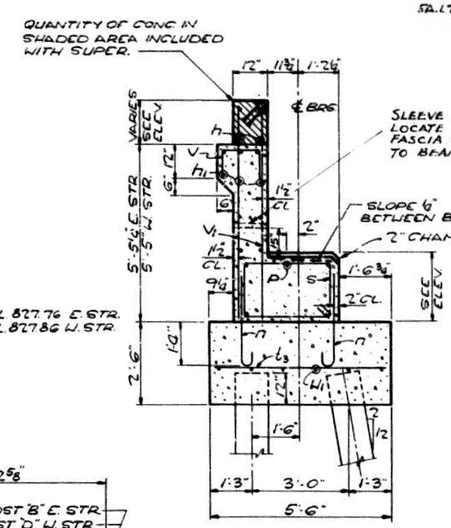
EXISTING BRIDGE PLANS
FOR INFORMATION ONLY
SHEET NO. 58 OF 61 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	112
		CONTRACT NO. 68B69		
	ILLINOIS	FED. AID PROJECT		

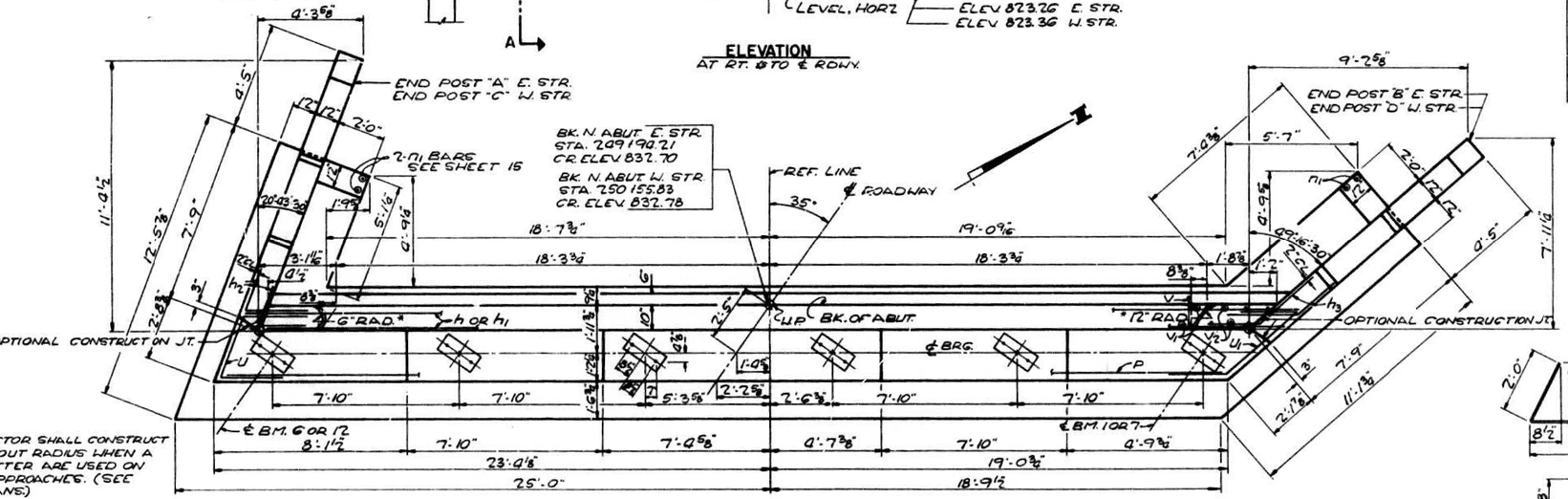
STA. 74 & 98-26 HVB KNOX 26 13



ELEVATION
AT RT. Ø TO ℄ RDWY.



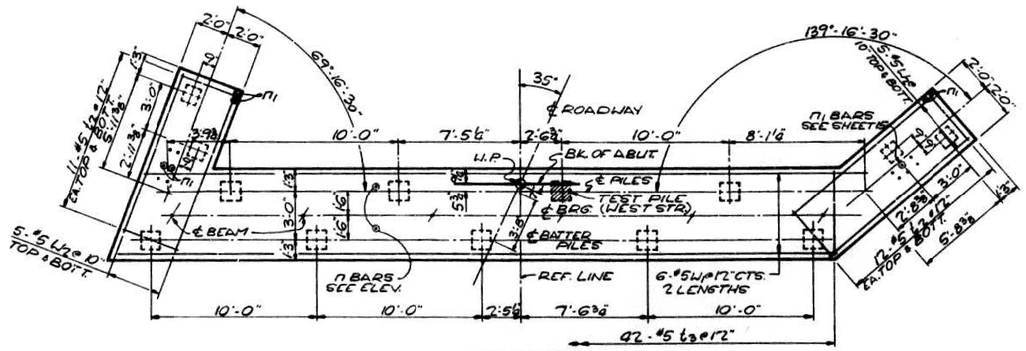
SECTION A-A
SCALE: ½" = 1'-0"



*CONTRACTOR SHALL CONSTRUCT CURB WITHOUT RADIUS WHEN A CURB & GUTTER ARE USED ON BRIDGE APPROACHES. (SEE ROAD PLANS.)

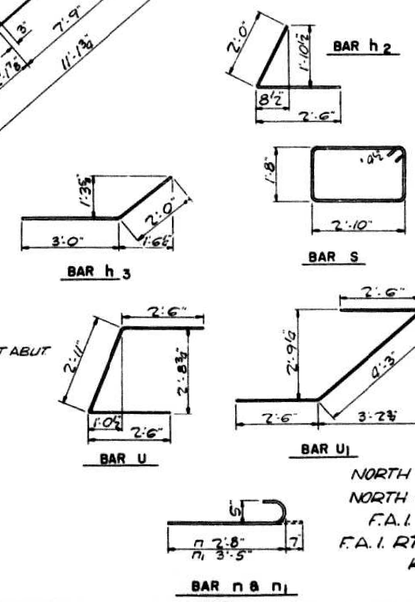
TOP PLAN
SCALE: ⅜" = 1'-0"

NOTE: FOR END POST DETAILS SEE SHEET 15



FOOTING PLAN
SCALE: ¼" = 1'-0"

PILE DATA:
TYPE: CONCRETE
MIN. CAP: 32 TONS
EST. LENGTH: 50 FT.
NO. REQ'D.: 12 / TEST PILE WEST ABUT
13 EAST ABUT.



BILL OF MATERIAL (2 ABUTS.)

BAR	NO.	SIZE	LENGTH	SHAPE
h	16	#9	18'-9"	—
h1	40	#9	22'-9"	—
h2	24	#5	5'-6"	L
h3	24	#5	5'-0"	⌟
n	172	#5	8'-3"	⊐
n1	56	#5	9'-0"	⊐
P	10	#7	62'-3"	—
S	86	#9	9'-9"	□
b2	92	#5	3'-9"	—
b3	82	#5	5'-3"	—
U	8	#5	7'-11"	⊏
U1	8	#5	9'-3"	⊐
V	76	#9	2'-9"	⊓
V1	138	#9	6'-6"	—
V2	24	#9	7'-3"	—
W1	24	#5	23'-0"	—
W2	40	#5	11'-0"	—
CLASS X CONCRETE CU YDS				103.5
REINFORCEMENT BARS LBS				7220
CONCRETE PILES LIN. FT.				1250
DRIVING CONC. PILES LIN. FT.				1250
TEST PILES (CONCRETE) EA.				1

NOTE: QUANTITIES INCLUDE REINFORCEMENT & CLASS X CONCRETE FOR END POSTS.

NORTH ABUTMENT - EAST STRUCTURE
NORTH ABUTMENT - WEST STRUCTURE
F.A.I. RTE 74 - SEC. 98-26 HVB
F.A.I. RTE. 74 OVER U.S. RTE. 34 & C.B. & Q. R.R.
KNOX COUNTY, ILLINOIS
STA. 251+78.69

Modified 11-21-12 Sleeves for lighting conduits

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Structural\Final Plans\Microstation\0488101.0102-68B69-059-Existing Bridge Plans.dgn

OATES ASSOCIATES Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

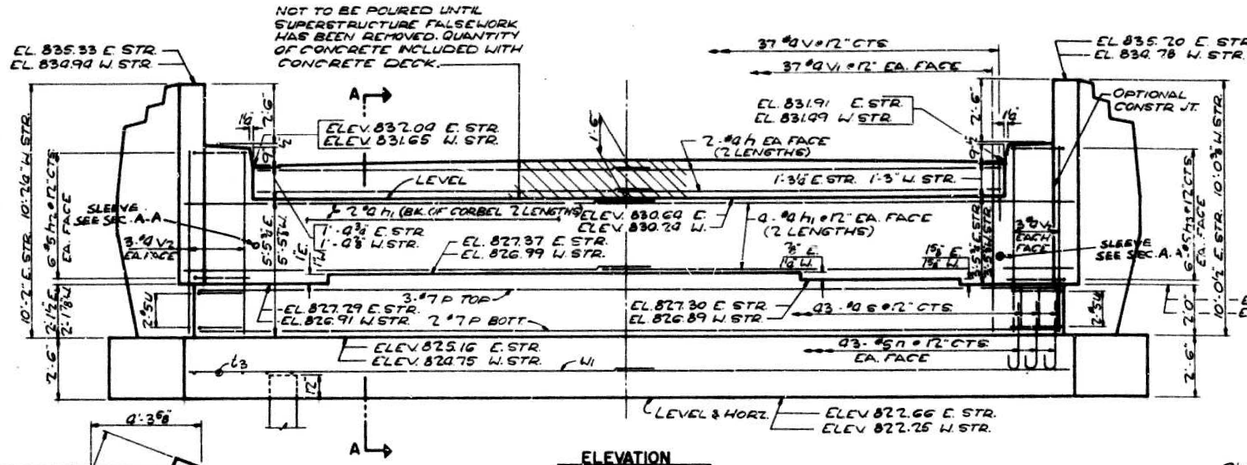
USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = 2/8/2016	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

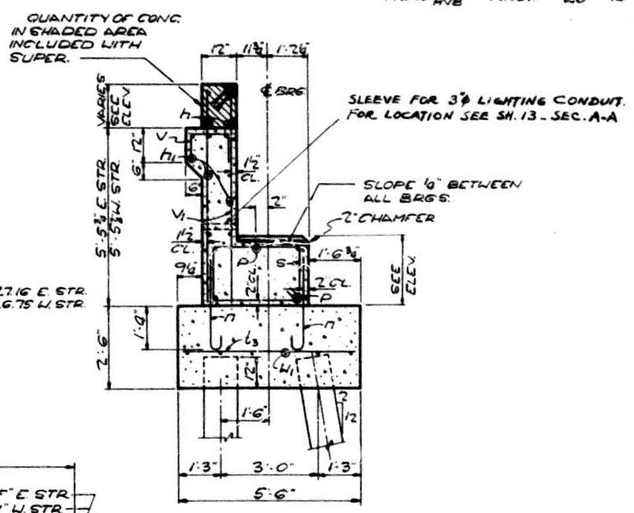
EXISTING BRIDGE PLANS FOR INFORMATION ONLY
SHEET NO. 59 OF 61 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	113
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

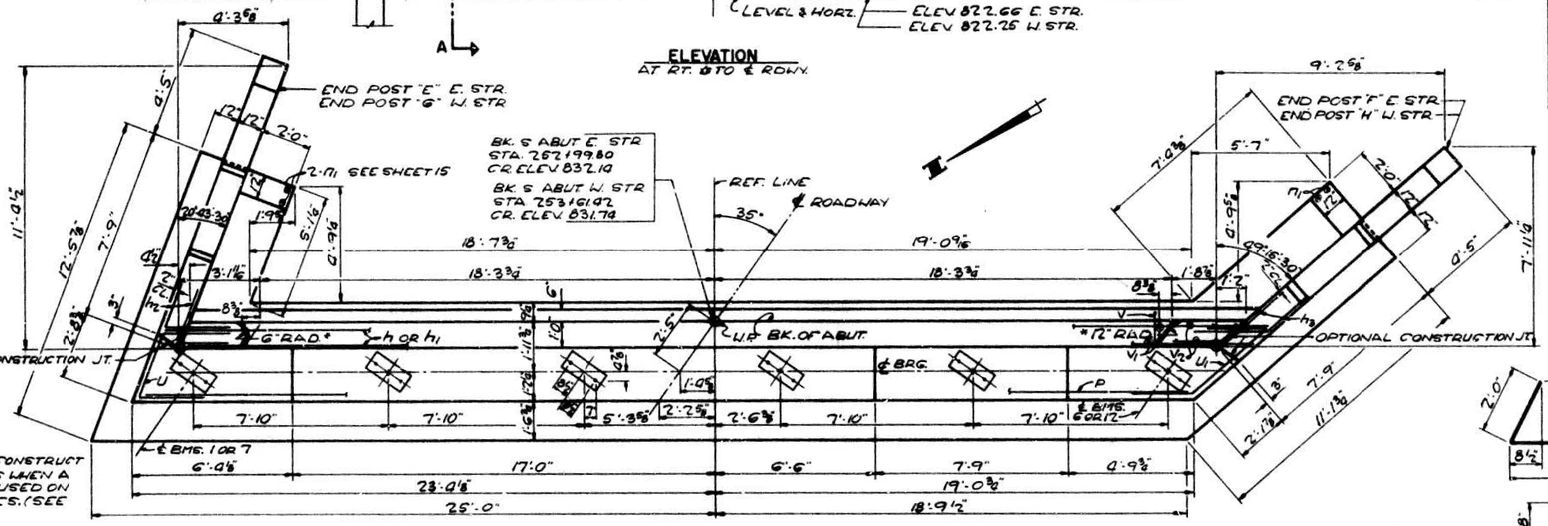
FAI 74 (48-26 HVB) KNOX 26 12



ELEVATION
AT RT. Ø TO ℄ ROWY.

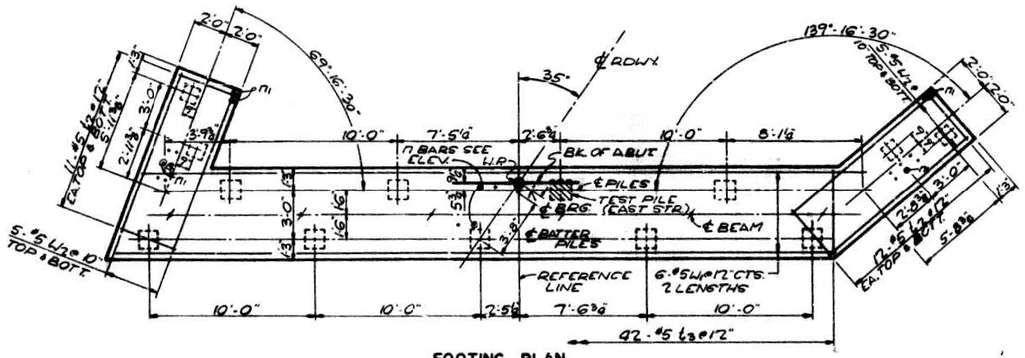


SECTION A-A
SCALE: ½"=1'-0"



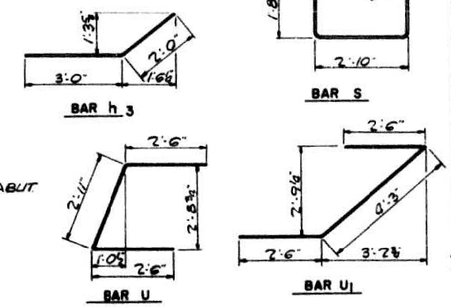
TOP PLAN
SCALE: ⅜"=1'-0"

NOTE: FOR END POST DETAILS SEE SHEET 15.



FOOTING PLAN
SCALE: ½"=1'-0"

PILE DATA:
TYPE: CONCRETE
MIN. CAP.: 32 TONS
EST. LENGTH: 50 FT.
NO. REQ'D.: 12 / TEST PILE ℄ ABUT
13 WEST ABUT.



BILL OF MATERIAL (2 ABUTS.)

BAR	NO.	SIZE	LENGTH	SHAPE
h	16	#9	18'-9"	
h1	40	#9	22'-9"	
h2	24	#5	5'-6"	L
h3	24	#5	5'-0"	
n	172	#5	8'-3"	
n1	56	#5	4'-0"	
P	10	#7	42'-3"	
S	86	#9	9'-9"	
L2	92	#5	3'-9"	
L3	86	#5	5'-3"	
U	8	#6	7'-11"	
U1	8	#5	9'-3"	
V	76	#9	2'-9"	
V1	138	#9	6'-6"	
V2	24	#9	7'-3"	
W1	24	#5	23'-0"	
W2	90	#5	11'-0"	
CLASS X CONCRETE CU YDS				100.8
REINFORCEMENT BARS LBS				7220
CONCRETE PILES LIN FT				1250
DRIVING CONC. PILES LIN FT				1250
TEST PILES (CONCRETE) EA				1

NOTE: QUANTITIES INCLUDE REINFORCEMENT & CLASS X CONCRETE FOR END POSTS.

SOUTH ABUTMENT - EAST STRUCTURE
SOUTH ABUTMENT - WEST STRUCTURE
F.A.I. RTE. 74 - SEC. 98-26 HVB
F.A.I. RTE. 74 OVER U.S. RTE. 34 & C.B. & Q. R.R.
KNOX COUNTY, ILLINOIS
STA. 2511+78.69

Addition: 11-18-82 Sleeves for lighting conduits

FILE NAME = H:\P\29848\WO 10 SN048-0005 & 0006 1-74 Phase 2\Structural\Final Plans\Microstation\0848101.0102-68B69-068-Existing Bridge Plans.dgn

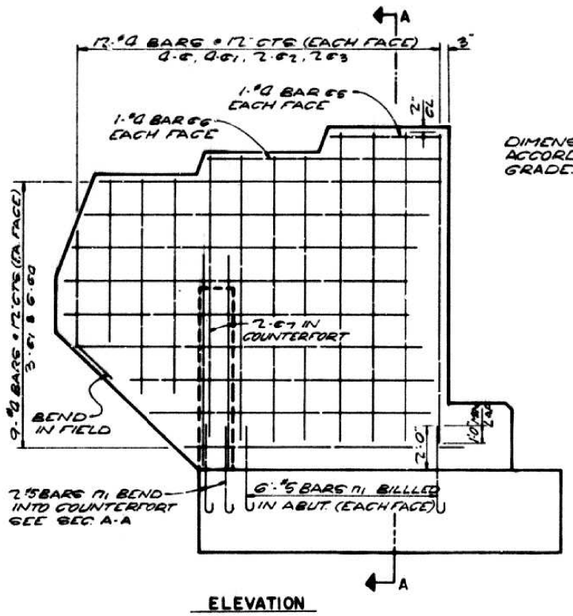
OATES ASSOCIATES Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME =	DESIGNED -	REVISED -	
	CHECKED -	REVISED -	
PLOT SCALE =	DRAWN -	REVISED -	
PLOT DATE = 2/8/2016	CHECKED -	REVISED -	

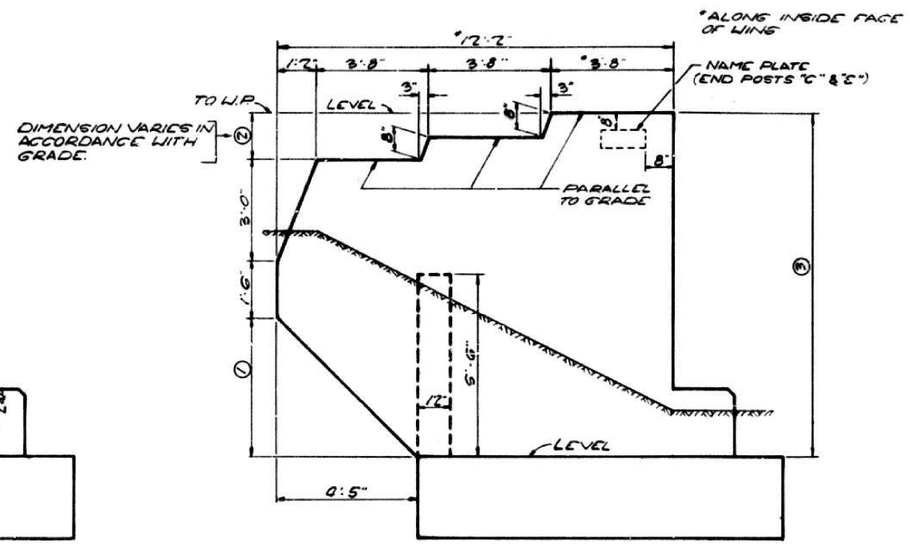
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
FOR INFORMATION ONLY
SHEET NO. 60 OF 61 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	114
		CONTRACT NO. 68B69		
	ILLINOIS	FED. AID PROJECT		



ELEVATION

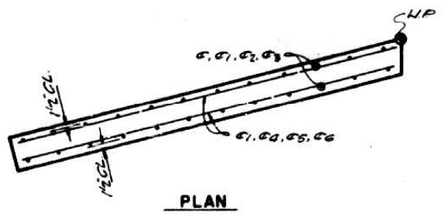


ELEVATION

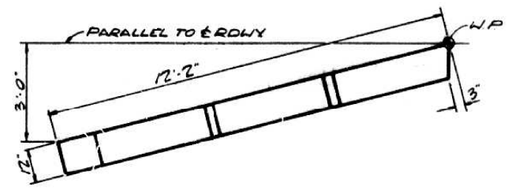
TABLE FOR END POST DIMENSIONS

END POST	DIM. (1)	(2)	(3)	C.Y. CONC.
A	0'-2 3/4"	1'-0 1/4"	10'-1"	4.0
B	0'-2 5/8"	1'-0 1/2"	10'-0 5/8"	3.9
C	0'-2 1/2"	1'-0 5/8"	10'-0 5/8"	4.0
D	0'-2 3/8"	1'-0 3/4"	10'-0 1/2"	3.9
E	0'-3 1/8"	1'-0 7/8"	10'-2"	4.0
F	0'-1 5/8"	1'-0 7/8"	10'-0 1/2"	3.9
G	0'-3 1/8"	1'-5 5/8"	10'-2 1/2"	4.0
H	0'-1 1/2"	1'-5 5/8"	10'-0 3/8"	3.9

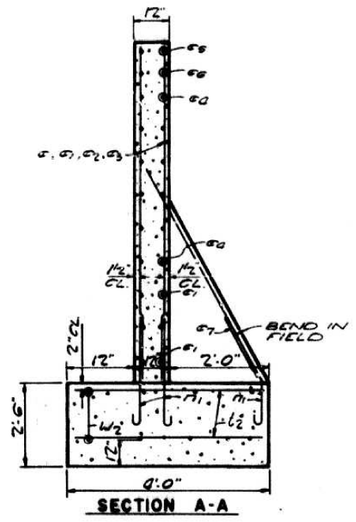
SEE ABUTMENT DRAWINGS FOR END POST DESIGNATION.



PLAN



PLAN



SECTION A-A

EIGHT END POSTS BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
G	64	#9	9'-3"	—
G1	112	#9	8'-6"	—
G2	32	#9	6'-6"	—
G3	32	#9	5'-0"	—
G4	96	#9	10'-6"	—
G5	16	#9	3'-2"	—
G6	16	#9	7'-0"	—
G7	16	#5	7'-0"	—
CLASS X CONCRETE CU YDS				31.6*
REINFORCEMENT BARS LBS				2180*

*THESE QUANTITIES INCLUDED WITH TOTALS SHOWN ON ABUTMENT DRAWINGS.

END POST DETAILS
F.A.I. RTE. 74 - SEC. 48-26 HVB
F.A.I. RTE. 74 OVER U.S. RTE. 34 & C.B.&Q.R.R.
KNOX COUNTY, ILLINOIS
STA. 251+78.69

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Structural\Final Plans\Microstation\048010\0102-68B69-061-Existing Bridge Plans.dgn

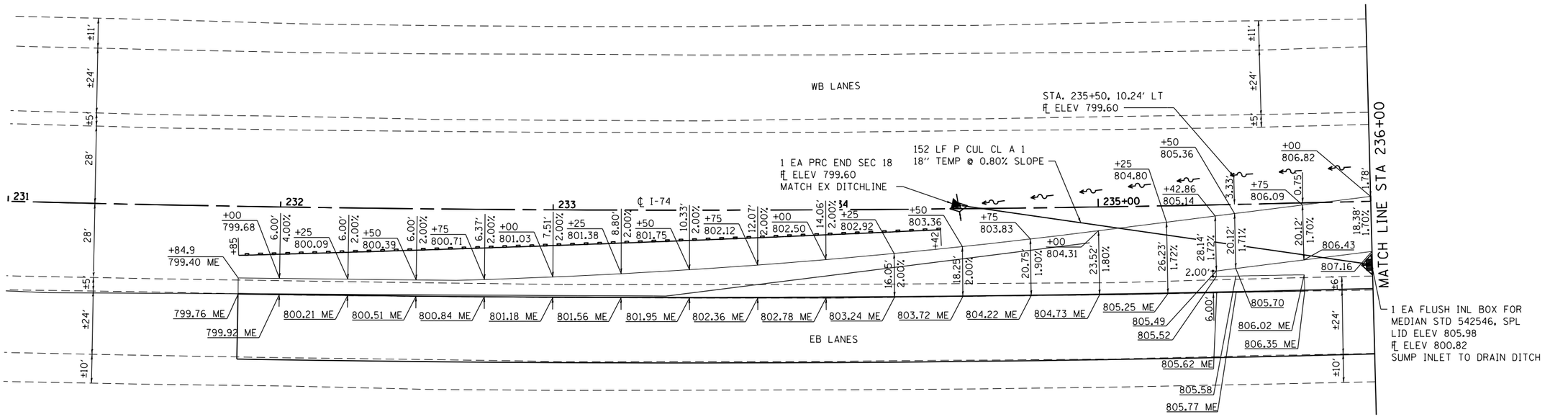
OATES ASSOCIATES Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME =	DESIGNED -	REVISED -	
	CHECKED -	REVISED -	
PLOT SCALE =	DRAWN -	REVISED -	
PLOT DATE = 2/8/2016	CHECKED -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
FOR INFORMATION ONLY
SHEET NO. 61 OF 61 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	115
		CONTRACT NO. 68B69		
	ILLINOIS	FED. AID PROJECT		



EROSION CONTROL LEGEND

- LIMITS OF CONSTRUCTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.

N

20′ 0 20′ 40′
SCALE: 1″ = 20′

FILE NAME = H:\P-29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-warping.dgn

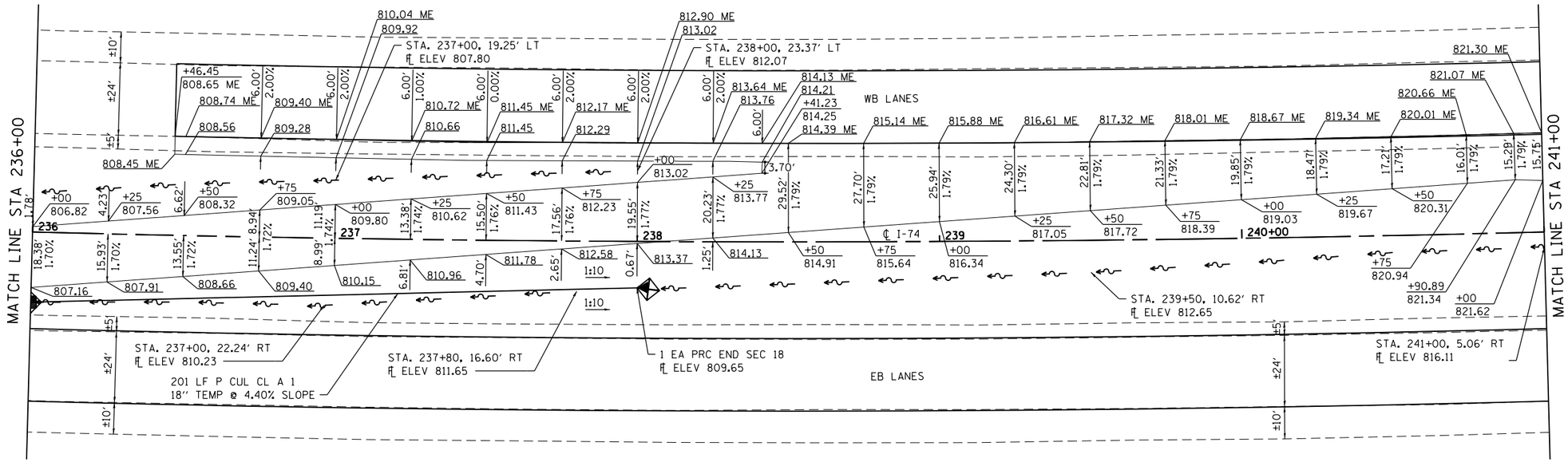
OATES ASSOCIATES Engineering + Architecture ILLINOIS DESIGN FIRM LICENSE NO: 184.001115	USER NAME = brianheil	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ′ / in.	CHECKED -	REVISED -
	PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSSOVER DETAIL SHEETS

SCALE: 1″ = 20′ | SHEET 1 OF 8 SHEETS | STA. 231+00 | TO STA. 236+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	116
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

- LIMITS OF CONSTRUCTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-warping.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

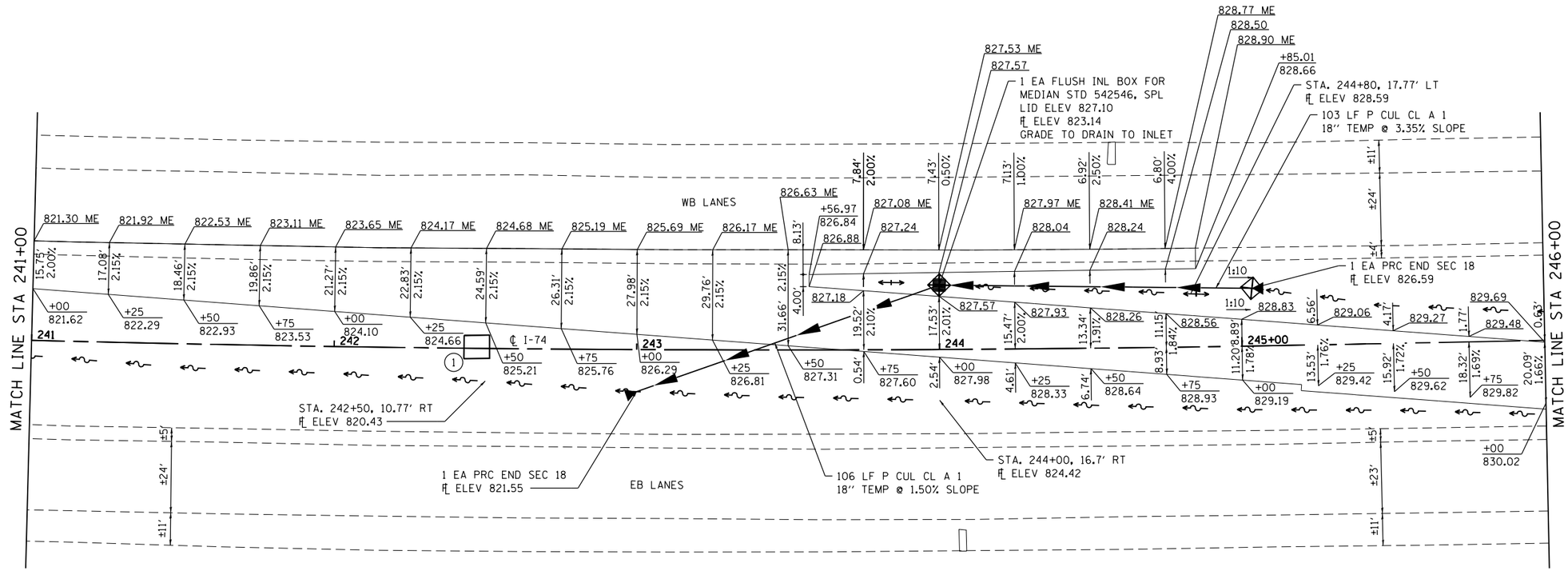
USER NAME = brianchesl	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSSOVER DETAIL SHEETS

SCALE: 1" = 20' | SHEET 2 OF 8 SHEETS | STA. 236+00 TO STA. 241+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	117
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

- LIMITS OF CONSTRUCTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.

NOTES

(1) PROTECT EX INLET PER SPECIAL PROVISION

N

20' 0 20' 40'
SCALE: 1" = 20'

FILE NAME = N:\P\29848\WD 10 SN848-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-warping.dgn

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ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianheil	DESIGNED -	REVISED -
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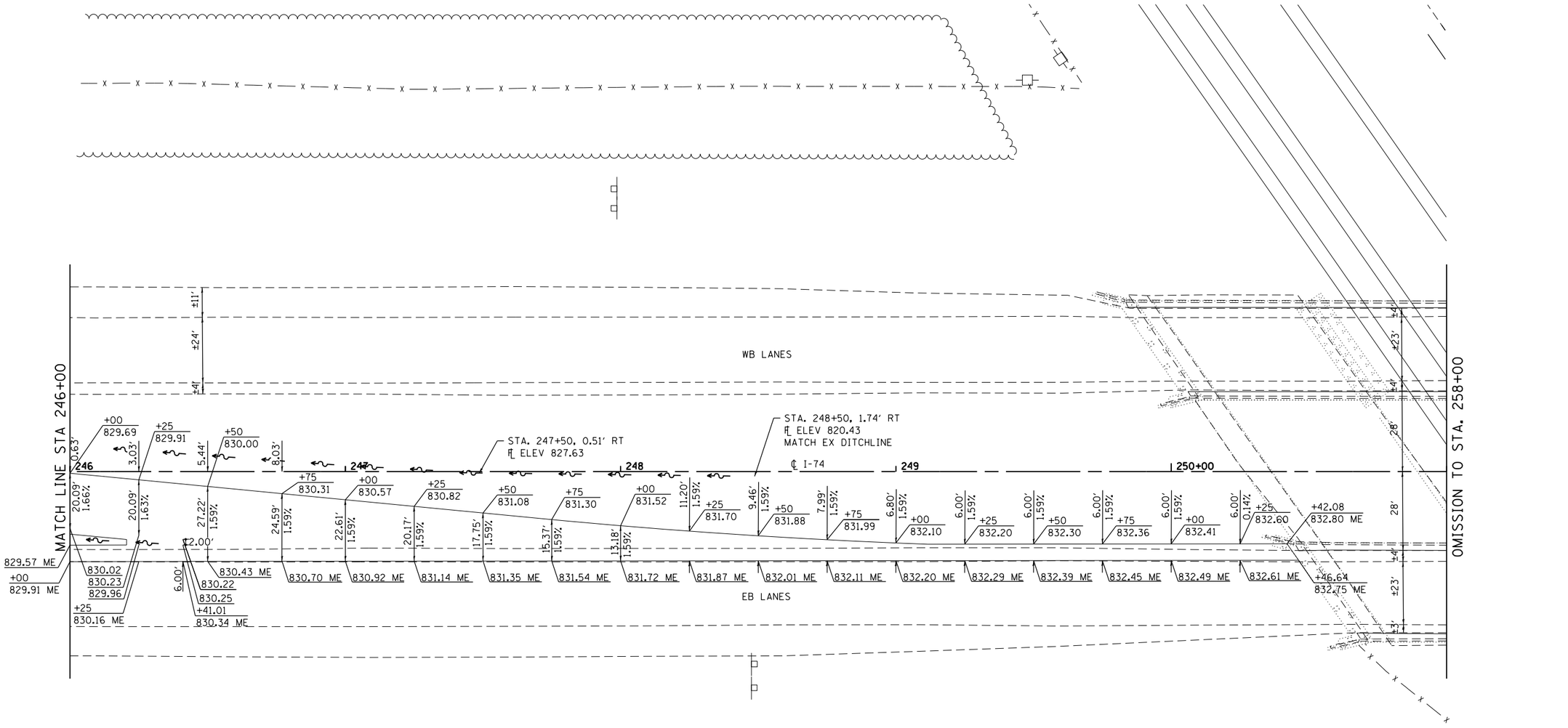
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSSOVER DETAIL SHEETS

SCALE: 1" = 20' | SHEET 3 OF 8 SHEETS | STA. 241+00 | TO STA. 246+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	118
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

- LIMITS OF CONSTRUCTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.

20' 0 20' 40'
SCALE: 1" = 20'

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OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

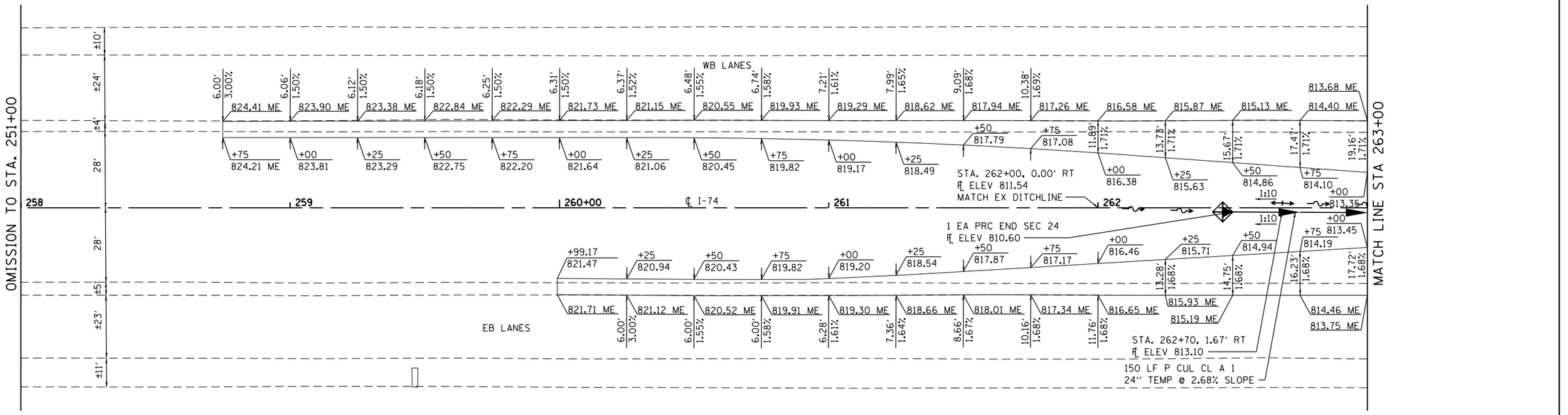
USER NAME = brianherl	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSSOVER DETAIL SHEETS

SCALE: 1" = 20' | SHEET 4 OF 8 SHEETS | STA. 246+00 | TO STA. 251+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	119
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

- LIMITS OF CONSTRUCTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.

N

20' 0 20' 40'
SCALE: 1" = 20'

FILE NAME = H:\P\21848\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-ant-xerprng.dgn

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Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

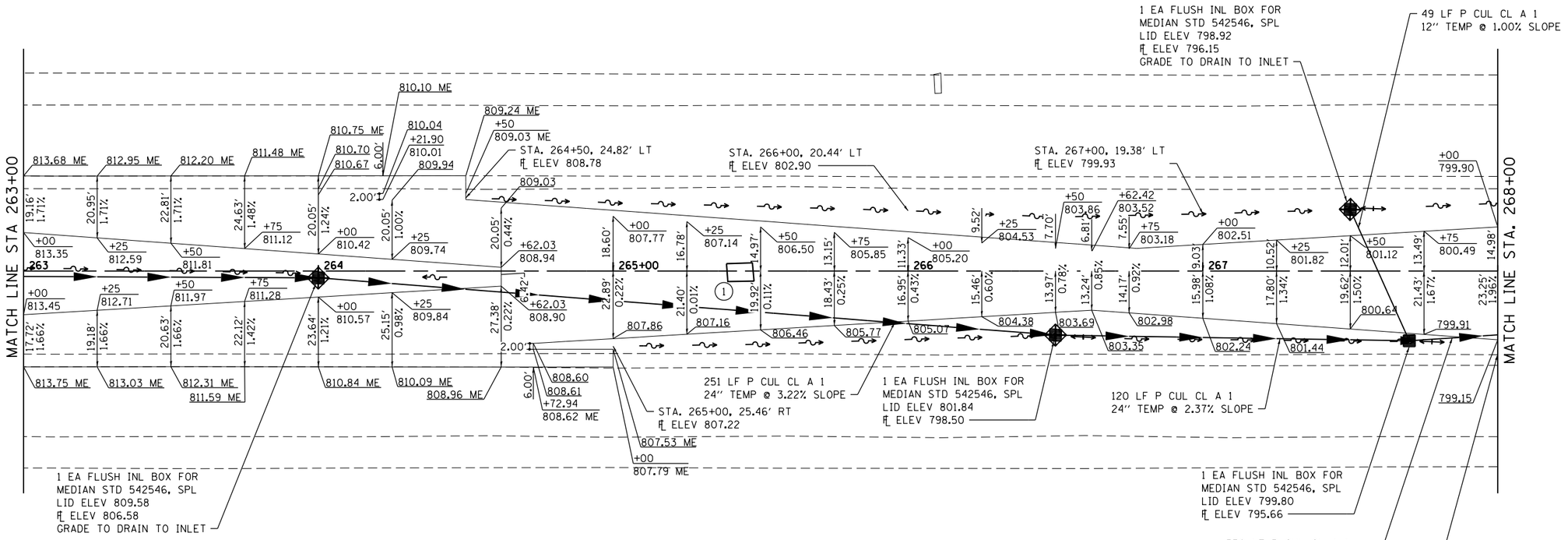
USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSSOVER DETAIL SHEETS

SCALE: 1" = 20' | SHEET 5 OF 8 SHEETS | STA. 258+00 | TO STA. 263+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	120
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

- LIMITS OF CONSTRUCTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.

NOTES

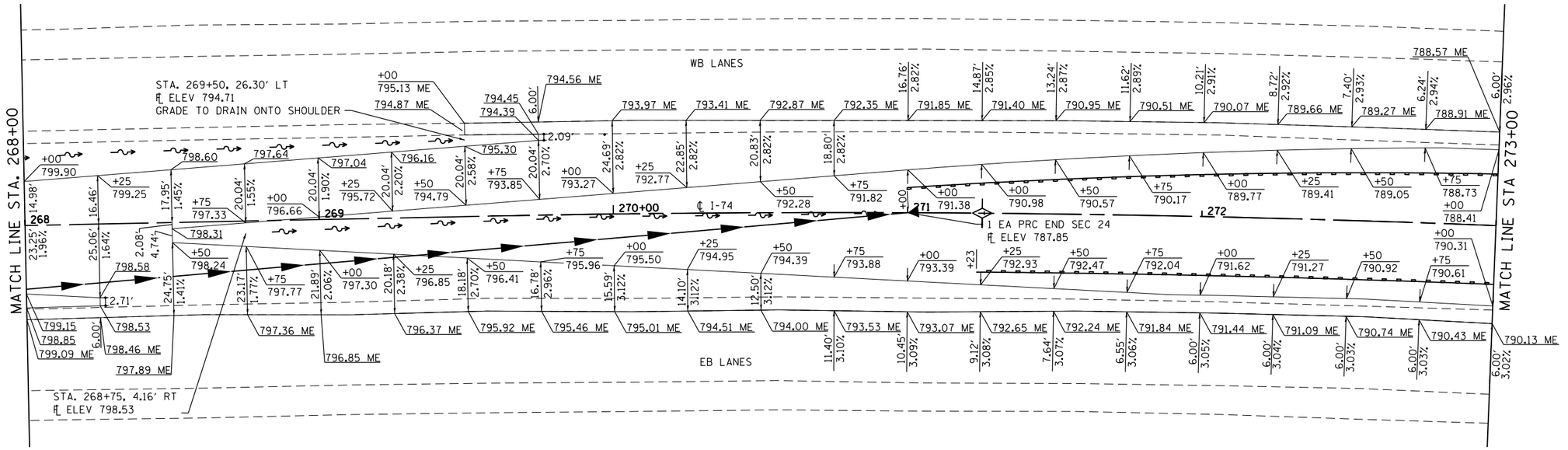
(1) PROTECT EX INLET PER SPECIAL PROVISION

SCALE: 1'' = 20'

FILE NAME = H:\P\21848\WO 10 SN048-2005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-ant-erping.dgn

OATES ASSOCIATES Engineering + Architecture ILLINOIS DESIGN FIRM LICENSE NO: 184.001115	USER NAME = brianchesl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSSOVER DETAIL SHEETS		
		DRAWN -	REVISED -				
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -				
	PLOT DATE = 2/8/2016	DATE -	REVISED -		SCALE: 1'' = 20'	SHEET 6 OF 8 SHEETS	STA. 263+00 TO STA. 268+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	121
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



EROSION CONTROL LEGEND

---------- LIMITS OF CONSTRUCTION

TEMPORARY DITCH CHECK

PERIMETER EROSION BARRIER

INLET AND PIPE PROTECTION

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.

N

20' 0 20' 40'
SCALE: 1" = 20'

FILE NAME = H:\PV\21048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-warping.dgn

OATES ASSOCIATES Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianchesl	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

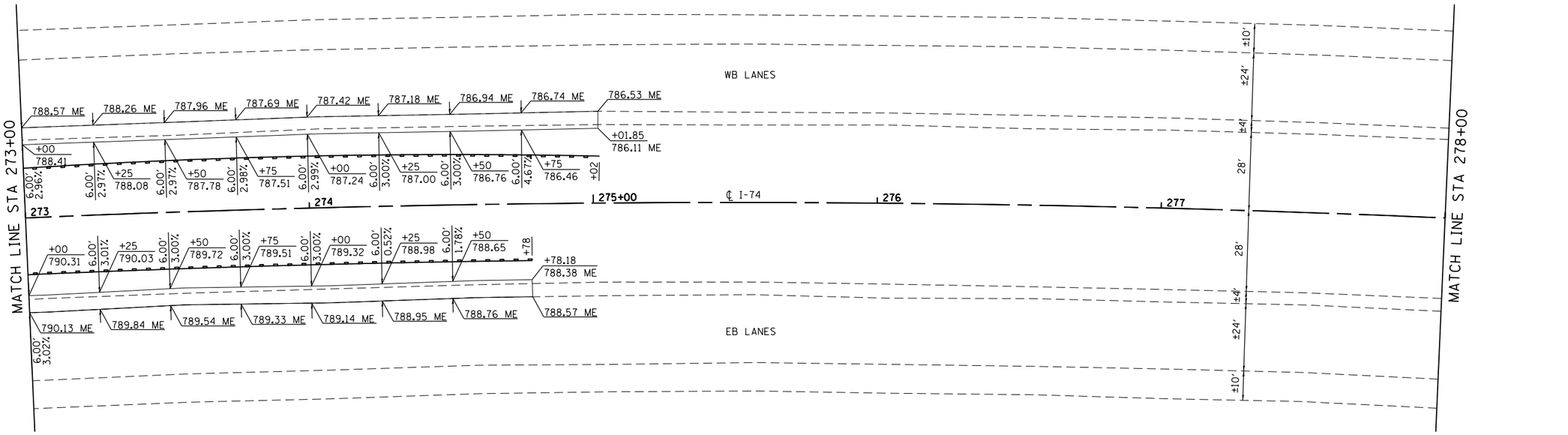
CROSSOVER DETAIL SHEETS

SCALE: 1" = 20' | SHEET 7 OF 8 SHEETS | STA. 268+00 | TO STA. 273+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	122

CONTRACT NO. 68B69

ILLINOIS FED. AID PROJECT



EROSION CONTROL LEGEND

- LIMITS OF CONSTRUCTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.

N

20' 0 20' 40'
SCALE: 1" = 20'

FILE NAME = H:\P\29848\WD 10 SN848-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-warping.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

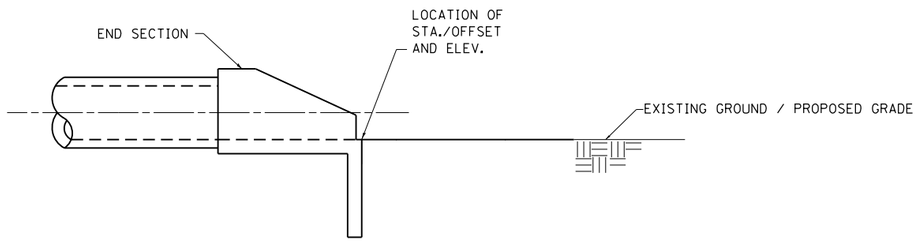
USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

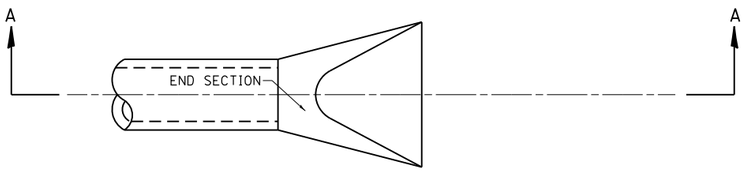
CROSSOVER DETAIL SHEETS

SCALE: 1" = 20' | SHEET 8 OF 8 SHEETS | STA. 273+00 | TO STA. 278+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	123
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



SECTION A–A



PLAN

TYPICAL FLARED END SECTION LAYOUT

NOT TO SCALE

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-details.dgn

OATES ASSOCIATES Engineering + Architecture ILLINOIS DESIGN FIRM LICENSE NO: 184.001115	USER NAME = brianheil	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAIL

SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	124
		CONTRACT NO. 68B69		
	ILLINOIS	FED. AID PROJECT		

Remove Sign Panel-Typ 3	
Location	Sq. Ft
247+99 99' LT	200
248+49 81' RT	156.25
Total	356.3

Sign Panel-Type 3	
Location	Sq. Ft
248+00 80' LT	200
248+50	156.25
Total	356.3

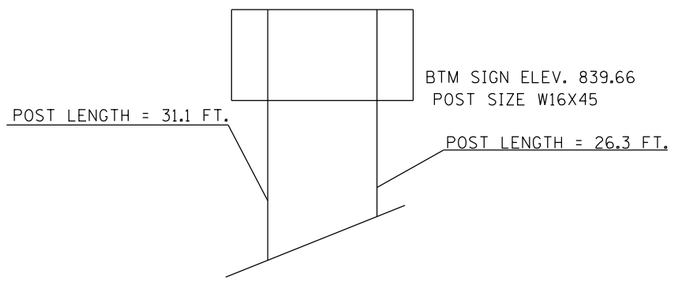
Rem. Grnd Mount Sign Support	
Location	Each
247+99 99' LT	2
248+49 81' RT	2
Total	4.0

Structural Steel Sign Support-Breakaway	
Location	Pounds
248+00 80' LT	2,257.2
248+50 80' RT	2579.4
Total	4837

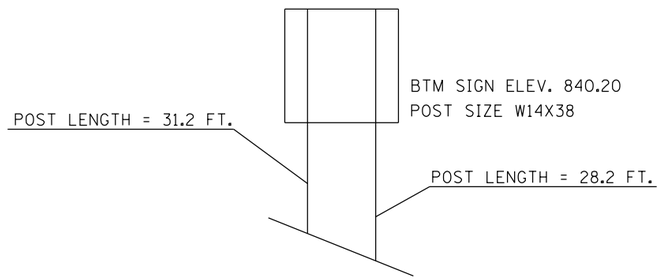
Rem. Conc. Found. - Grnd Mount	
Location	Each
247+99 99' LT	2
248+49 81' RT	2
Total	4.0

Concrete Foundation- Ground Mount	
Location	Cu. Yd.
248+00 80' LT	4.2
248+50 80' RT	4.5
Total	8.7

Sta. 248+00 80' LT

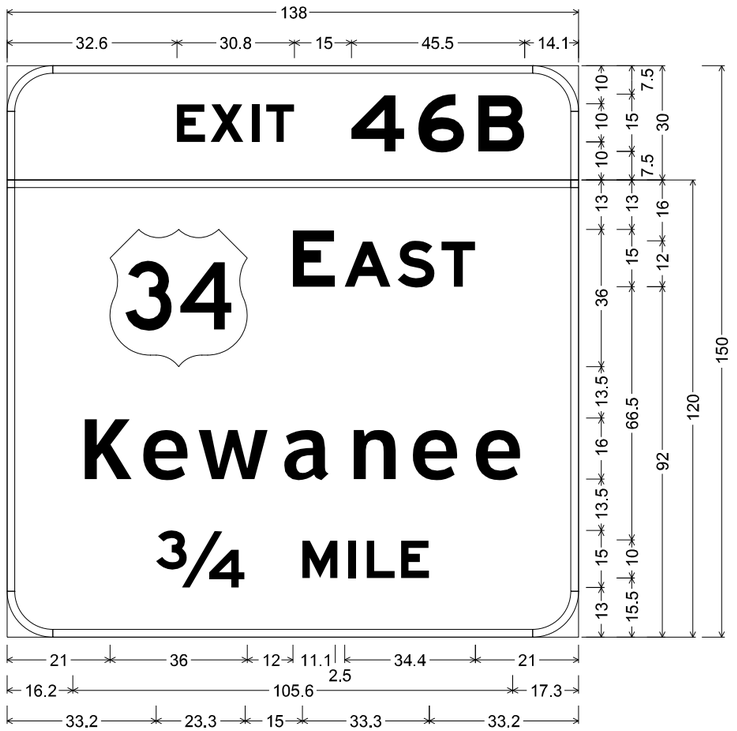


Sta. 248+50 80' RT



NOTE: POST LENGTH INCLUDES STUB LENGTH.

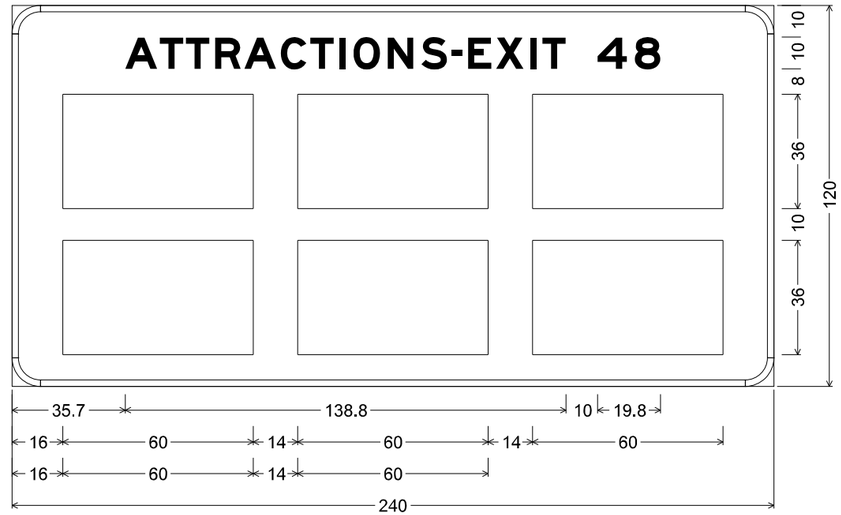
Sta. 248+50 80' RT



12.0" Radius, 2.0" Border, White on Green;
[ ] E Mod 2K; [EXIT] E Mod 2K; [46B] E Mod 2K;
12.0" Radius, 2.0" Border, White on Green;
[E AST] E Mod 2K; [Kewanee] E Mod 2K;
[3/4 MILE] E Mod 2K;
Table of widths and spaces.

32.6	E 7.4	1.4	X 8.7	2.1	I 2.0	1.8	T 7.4	15.0	4 14.0	3.6	6 12.1	3.6	B 12.2	14.1
21.0	34 36.0	12.0	E 11.1	2.5	A 12.2	1.8	S 9.7	1.8	T 8.9	21.0				
16.2	K 13.1	2.1	e 10.6	3.2	w 16.3	3.2	a 10.5	3.6	n 10.6	5.0	e 10.5	3.5	e 10.6	16.2
33.2	3/4 23.3	15.0	M 9.3	2.8	I 2.0	2.8	L 7.4	1.6	E 7.4	39.2				

Sta. 248+00 80' LT



9.0" Radius, 2.0" Border, White on Blue;
[ATTRACTIONS-EXIT 48] E Mod 2K;

FILE NAME = D46BB69-sht-details.dgn

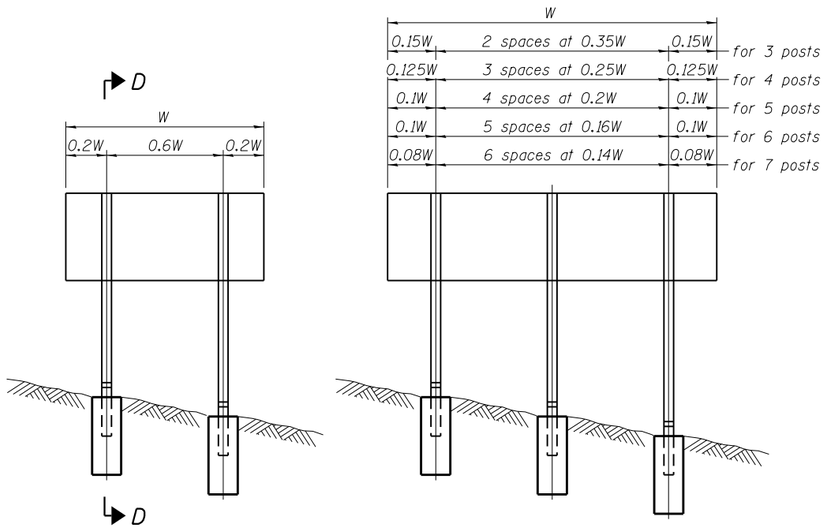
DATES ASSOCIATES Engineering + Architecture ILLINOIS DESIGN FIRM LICENSE NO: 184.001115	USER NAME = jacobsmr	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/22/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

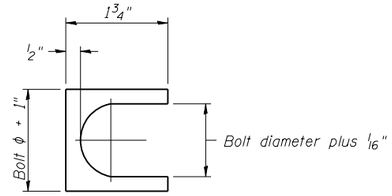
INTERSTATE SIGN DETAIL

SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	125
		CONTRACT NO. 68B69		
	ILLINOIS	FED. AID PROJECT		

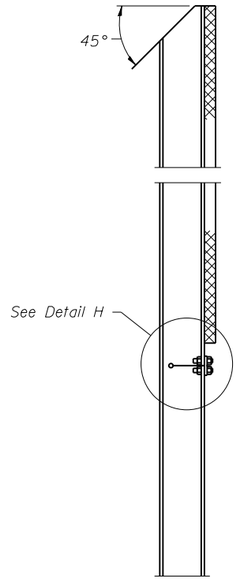


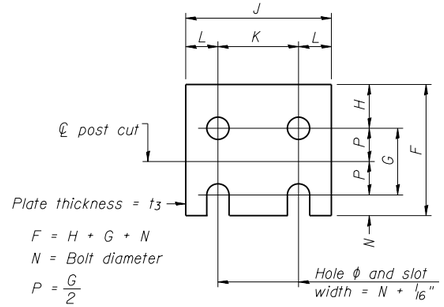
ELEVATION



SHIM DETAIL

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

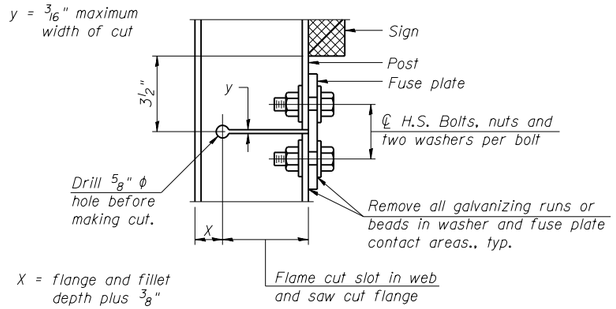




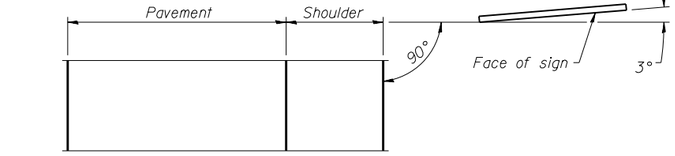
FUSE PLATE DATA		
N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"

FUSE PLATE DETAIL

(Install with notches down.)



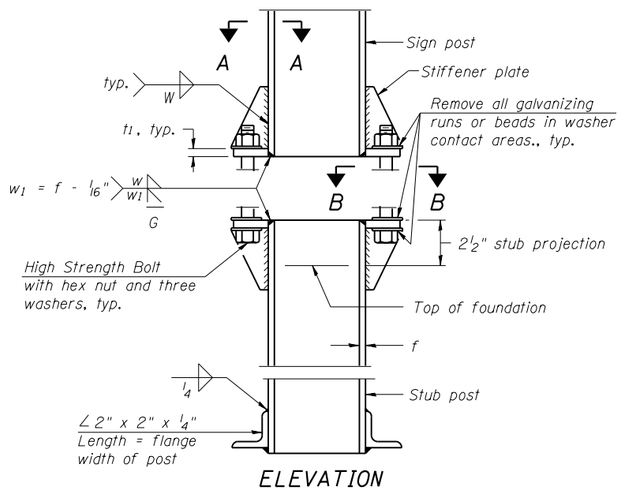
DETAIL H



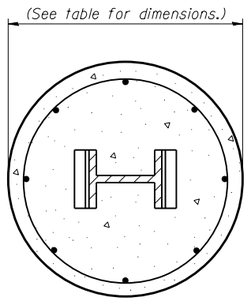
LOCATION SKETCH

SECTION A-A

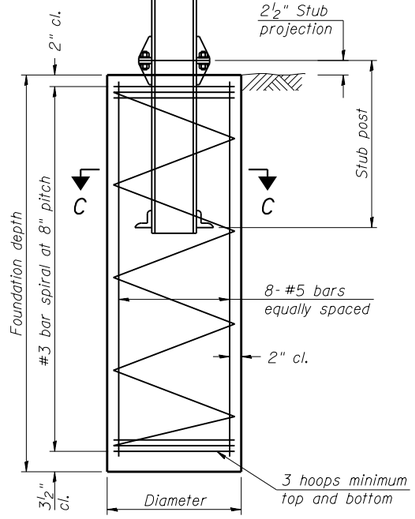
SECTION B-B



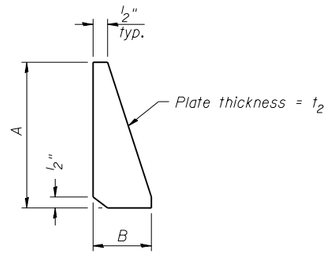
ELEVATION
SIGN POST & STUB POST



SECTION C-C



SECTION D-D



STIFFENER PLATE DETAIL

Diameter

GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
Structural steel - 20,000 p.s.i.
Reinforcing steel - 20,000 p.s.i.
Concrete - 1,400 p.s.i.
Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

BAW-A-1 6-1-12

(Sheet 1 of 2)

FILE NAME = H:\P\29848\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D48B69-sht-details.dgn

OATES ASSOCIATES Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY WIDE FLANGE STEEL SIGN POST DETAILS

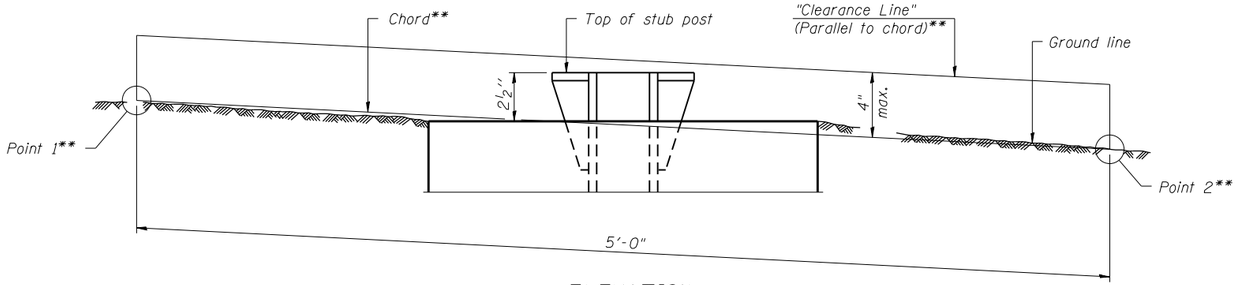
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	126
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

POST	CONCRETE FOUNDATION TABLE							POST TO STUB POST CONNECTION DATA										FUSE PLATE DATA			
	Foundation			Reinforcement				Stub Post													
	Diameter	* Minimum Depth	Concrete (1) cu. yds.)	Vertical Bars Length	Bar Spirals Diameter	Bar Spirals Length	lbs. (2)	Length	Bolt Size	A	B	C	D	E	t_1	t_2	R	W	J	K	L	t_3
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-3"	⅝" x 3¼"	6"	2¼"	1¼"	3½"	1¼"	¾"	½"	11/32"	¼"	4"	2¼"	⅞"	¼"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-6"	⅝" x 3¼"	6"	2¼"	1¼"	3½"	1¼"	¾"	½"	11/32"	¼"	6"	3½"	1¼"	⅜"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-6"	¾" x 3¾"	6"	2½"	1⅜"	3¼"	1⅜"	1"	½"	13/32"	5/16"	5¼"	2¾"	1¼"	⅜"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2½"	105'-0"	92	3'-0"	¾" x 3¾"	6"	2½"	1⅜"	3¼"	1⅜"	1"	½"	13/32"	5/16"	5¾"	2¾"	1½"	½"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2½"	112'-0"	98	3'-0"	⅞" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	15/32"	⅜"	5¾"	2¾"	1½"	⅝"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2½"	119'-0"	107	3'-0"	⅞" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	15/32"	⅜"	6½"	3½"	1½"	⅝"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8½"	145'-0"	113	3'-0"	⅞" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	15/32"	⅜"	6¾"	3½"	1⅝"	½"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8½"	153'-0"	122	3'-6"	1" x 4½"	7½"	3"	1¾"	4"	1¾"	1¼"	¾"	17/32"	⅜"	6¾"	3½"	1⅝"	½"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8½"	162'-0"	130	3'-6"	1" x 4½"	7½"	3"	1¾"	4"	1¾"	1¼"	¾"	17/32"	⅜"	7"	3½"	1¾"	½"

*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE Sign Height																				
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0''	18'-0''	19'-0''	20'-0''	21'-0''	22'-0''	23'-0''	24'-0''
W6x9	½" x 1½"	½" x 1½"	½" x 1½"	½" x 1½"	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——
W6x15	½" x 1¾"	½" x 1¾"	½" x 1¾"	⅝" x 2"	⅝" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	——	——	——	——	——	——	——	——	——	——	——	——
W8x18	½" x 1¾"	½" x 1¾"	½" x 1¾"	½" x 1¾"	⅝" x 2"	⅝" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	——	——	——	——	——	——	——	——	——	——	——
W10x22	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2"	⅝" x 2"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	——	——	——	——	——	——	——	——
W10x26	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	——	——	——	——	——	——	——
W12x26	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	——	——	——	——	——	——
W14x30	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2"	⅝" x 2"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	——	——	——	——
W14x38	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	⅞" x 2½"	⅞" x 2½"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"
W16x45	——	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	⅞" x 2½"	⅞" x 2½"	⅞" x 2½"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"



ELEVATION
GROUND LINE & STUB POST

** For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

(1) Quantity includes all concrete necessary for one foundation.

(2) Includes reinforcement bars and spiral hooping for one foundation.

FILE NAME = N:\P\29848\WD 10 SN848-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-aht-details.dgn

BAW-A-2 6-1-12

(Sheet 2 of 2)

OATES ASSOCIATES Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

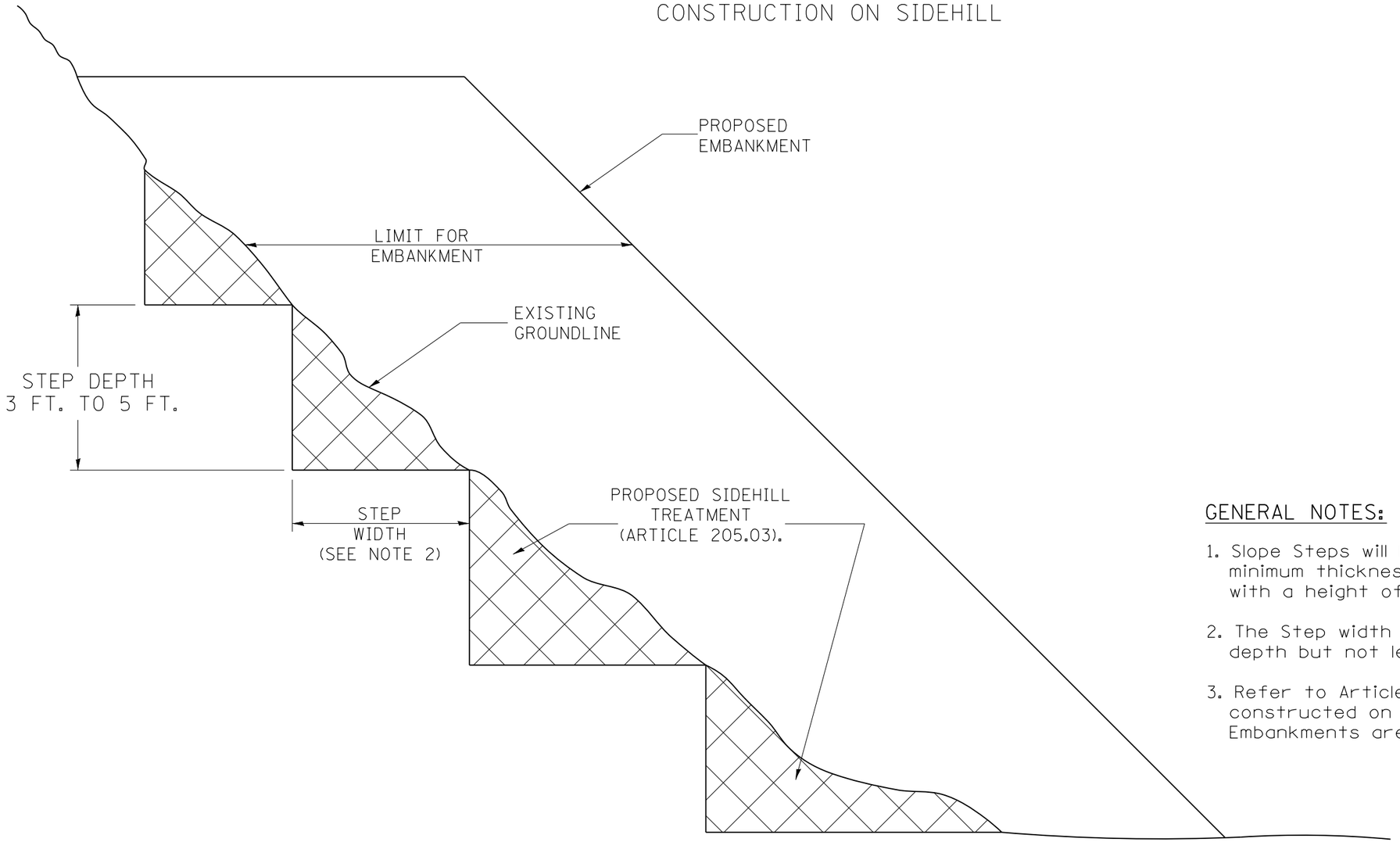
BREAK-AWAY WIDE FLANGE
STEEL SIGN POST TABLES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	127
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

SLOPE STEPS DETAIL

TYPICAL CROSS-SECTION EMBANKMENT CONSTRUCTION ON SIDEHILL



GENERAL NOTES:

1. Slope Steps will be required for all 12(300) minimum thickness "silver fills" and on a fills with a height of 10'(3.0m).
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

REPLACEMENT MATERIAL:

STANDARD EMBANKMENT (IN ACCORDANCE WITH 205 OF THE STANDARD SPECIFACATION).

DESIGNER NOTE:
1. EACH PROJECT SHOULD BE REVIEWED INDEPENDENTLY FOR TREATMENT REQUIRED.
2. REFER TO THIS DETAIL WITH NOTE ON APPLICABLE TYPICAL SECTIONS.

All dimensions are in inches (millimeters) unless otherwise noted.

1-1-97	RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE	T.P.			
	BOX, REVISED GENERAL NOTES.				
10-16-06	REVISED TO 2007 SPEC.	M.A.			

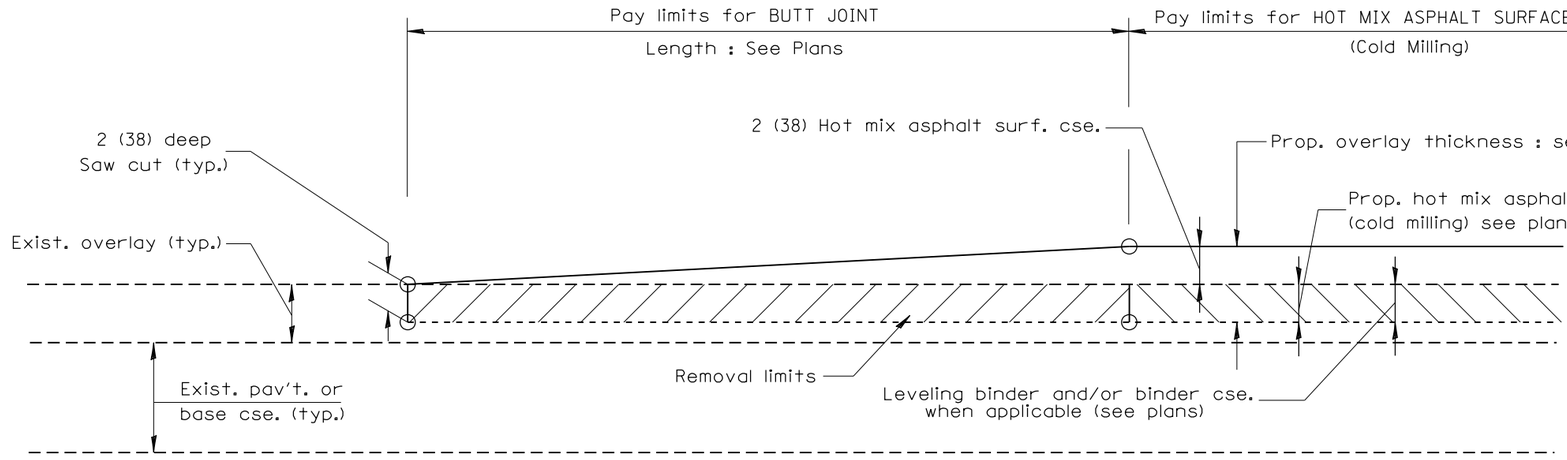
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 4 STANDARDS
SLOPE STEPS DETAIL

NOT TO SCALE

CADD STD. 205001-D4

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	128
		CONTRACT NO. 68B69		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



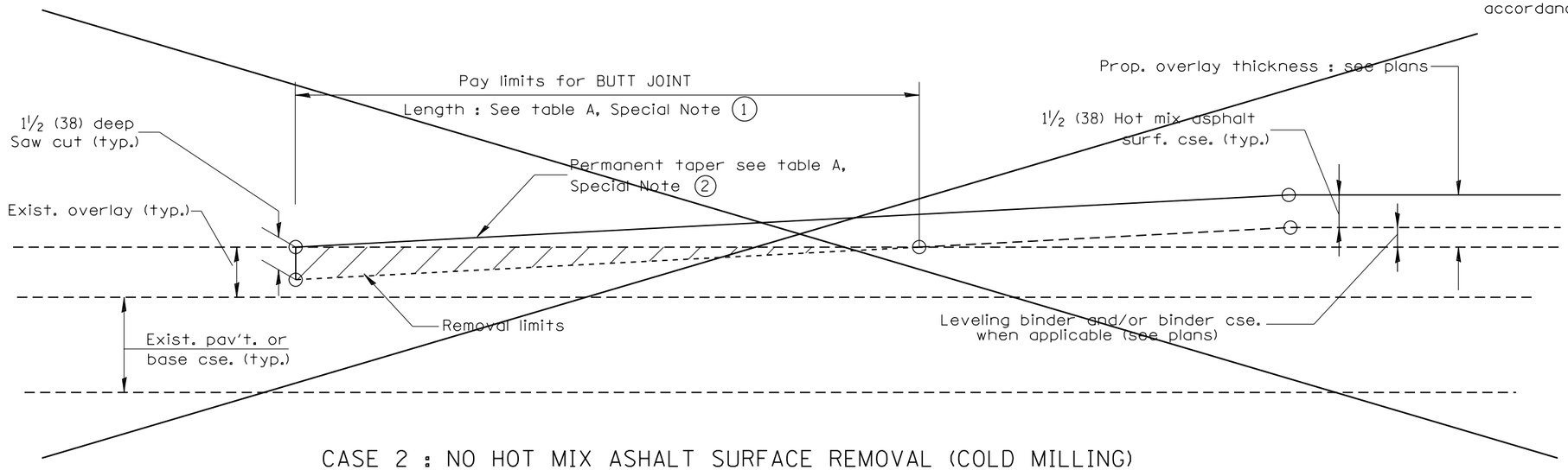
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

TABLE A
(LENGTHS AND TAPER RATES)

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	LENGTH OF BUTT JOINT	60'(18.0 m)	30'(9.0 m)
②	PERMANENT TAPER RATE	1:480	1:240
③	TEMPORARY RAMP TAPER RATE	1:80	1:40
④	TEMPORARY RAMP LENGTH	10'(3.0 m)	5'(1.5 m)
⑤	LENGTH OF BUTT JOINT	10'(3.0 m)	10'(3.0 m)

GENERAL NOTES

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.



CASE 2 : NO HOT MIX ASHALT SURFACE REMOVAL (COLD MILLING)

All dimensions are in inches (millimeters) unless otherwise noted.

DESIGNER NOTES:
1. Include District Special Provision for Butt Joints & for Hot Mix Asphalt Removal (Cold Milling).
2. The butt joints pay item includes the saw cut & temporary ramp. Payment for the Butt Joint applies whether or not the project features Hot Mix Asphalt Removal (Cold Milling).

01-01-97	RENUM. C-23.01, NEW REVISION BOX	T.P.					
04-01-97	CORRECTION TO DEPTH	J.A.					
09-15-05	REVISED DESIGNER NOTE	M.M.A.					
10-16-06	REVISED TO 2007 SPEC.	M.A.					

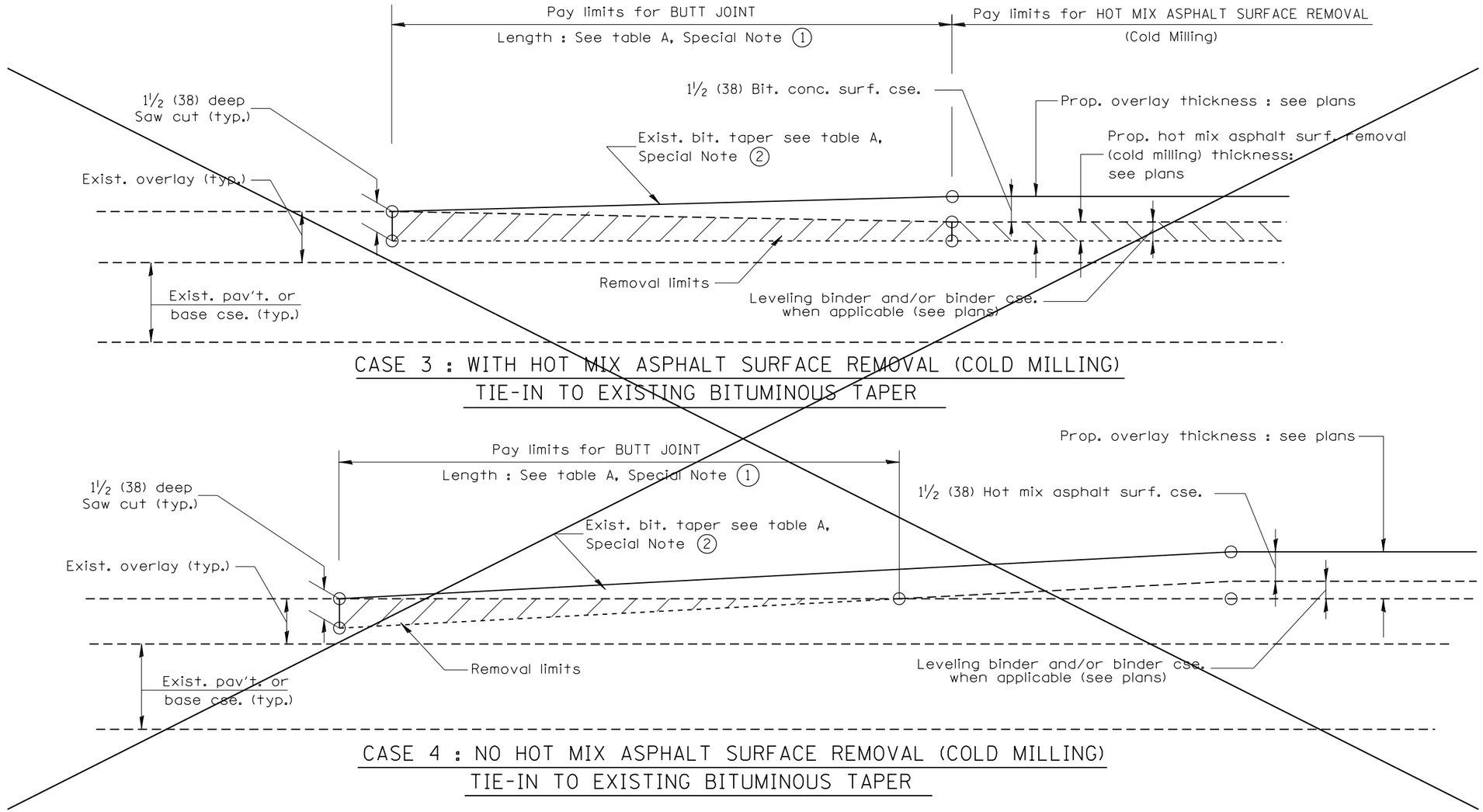
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 4 STANDARDS
BUTT JOINTS

NOT TO SCALE

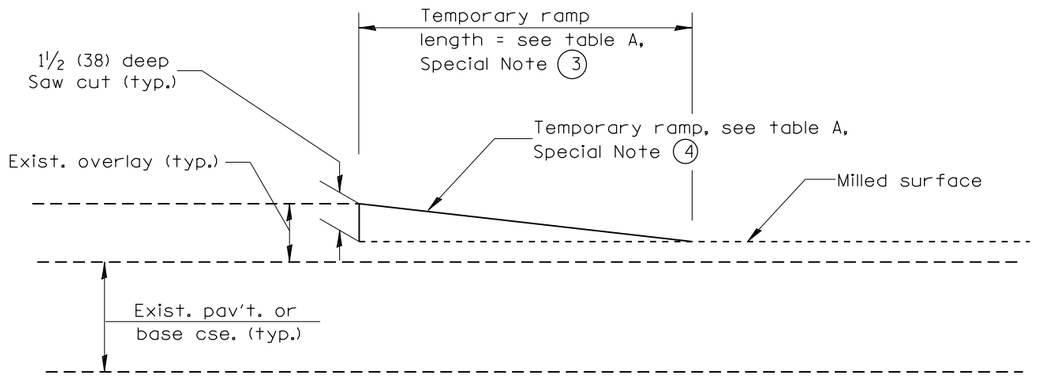
SHT. 1 OF 3
CADD STD. 406101-D4

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	129
		CONTRACT NO. 68B69		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CASE 3 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER

CASE 4 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER



DETAIL TEMPORARY RAMP

All dimensions are in inches (millimeters) unless otherwise noted.

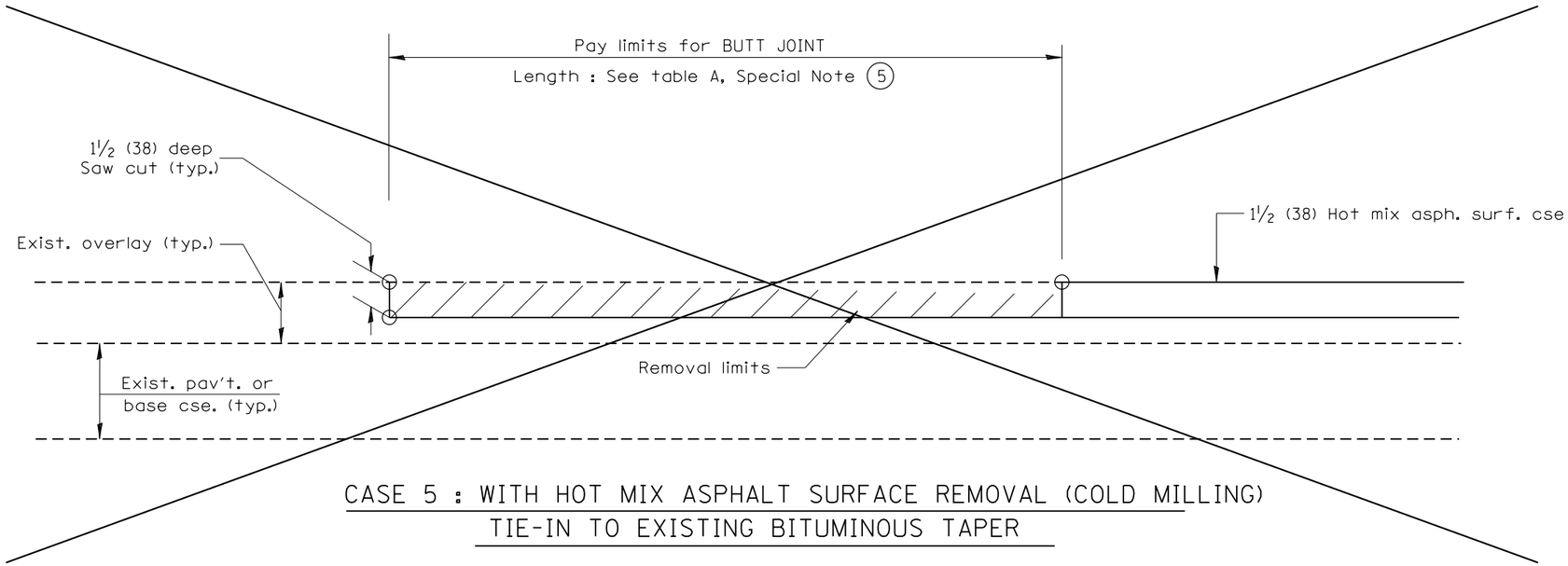
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOT TO SCALE

DISTRICT 4 STANDARDS
BUTT JOINTS

SHT. 2 OF 3
CADD STD. 406101-D4

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	130
		CONTRACT NO. 68B69		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CASE 5 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER

All dimensions are in inches (millimeters) unless otherwise noted.

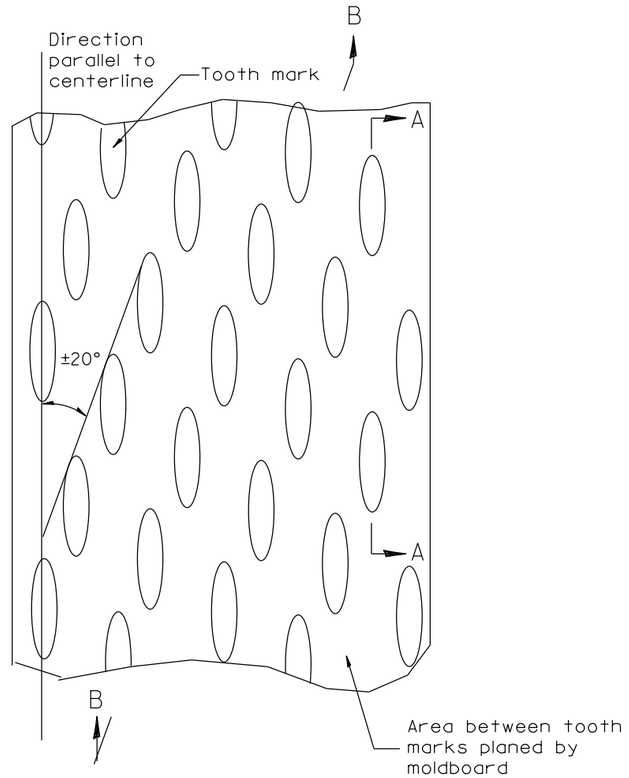
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOT TO SCALE

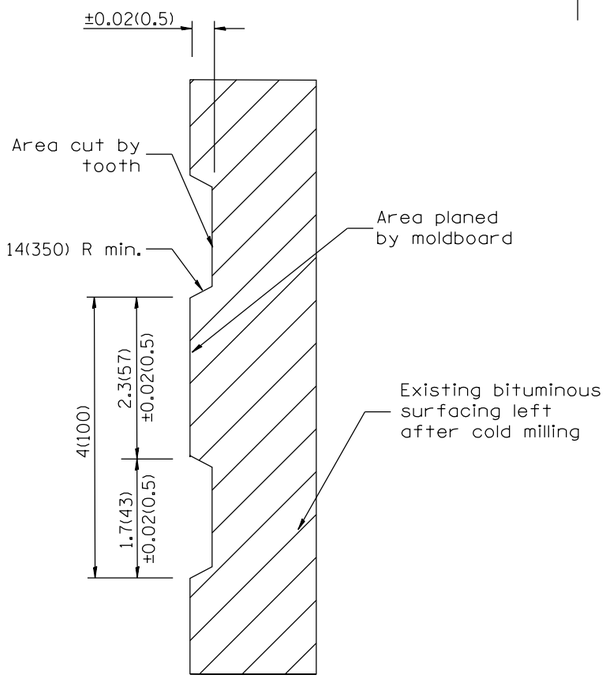
DISTRICT 4 STANDARDS
BUTT JOINTS

SHT. 3 OF 3
CADD STD. 406101-D4

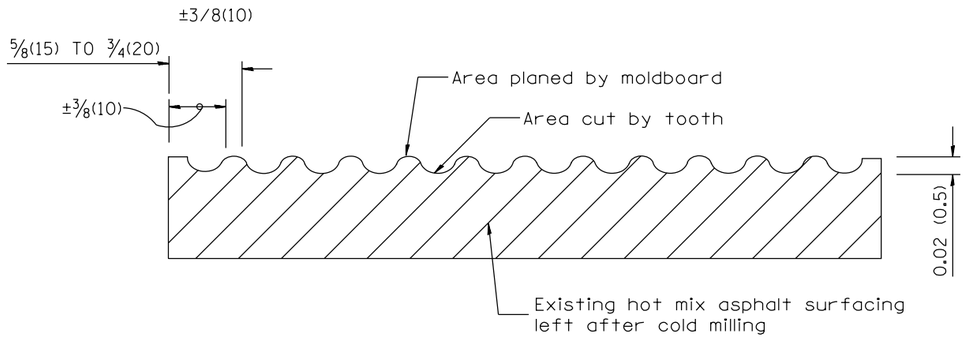
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	131
		CONTRACT NO. 68B69		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLAN



SECTION A-A



SECTION B-B PROJECTED
PERPENDICULAR TO CENTERLINE

General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.

DESIGNER NOTES:
1. INCLUDE DISTRICT SPECIAL PROVISION, IF APPLICABLE.

All dimensions are in inches (millimeters) unless otherwise noted.

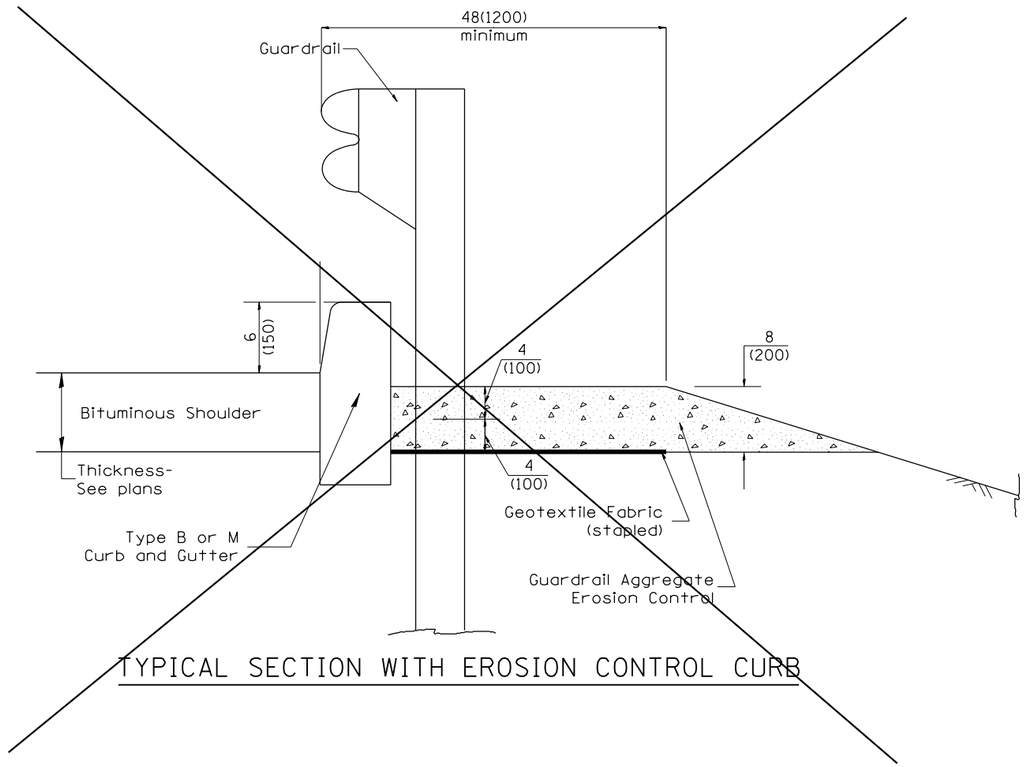
01-01-97	RENUM. C-104.01, NEW REVISION BOX	T.P.
04-20-98	REMOVED MILLING DETAIL FROM STANDARD	J.A.
09-08-98	CORRECT NOTE LEADER PLACEMENT	R.W.
10-16-06	REVISED TO 2007 SPEC.	M.A.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

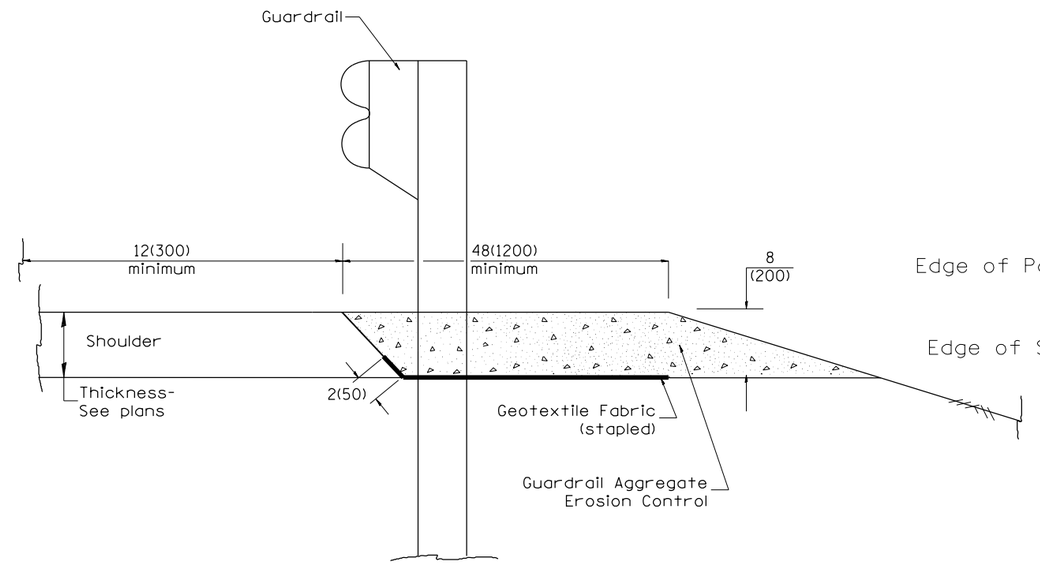
DISTRICT 4 STANDARDS
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

NOT TO SCALE — CADD STD. 440001-D4

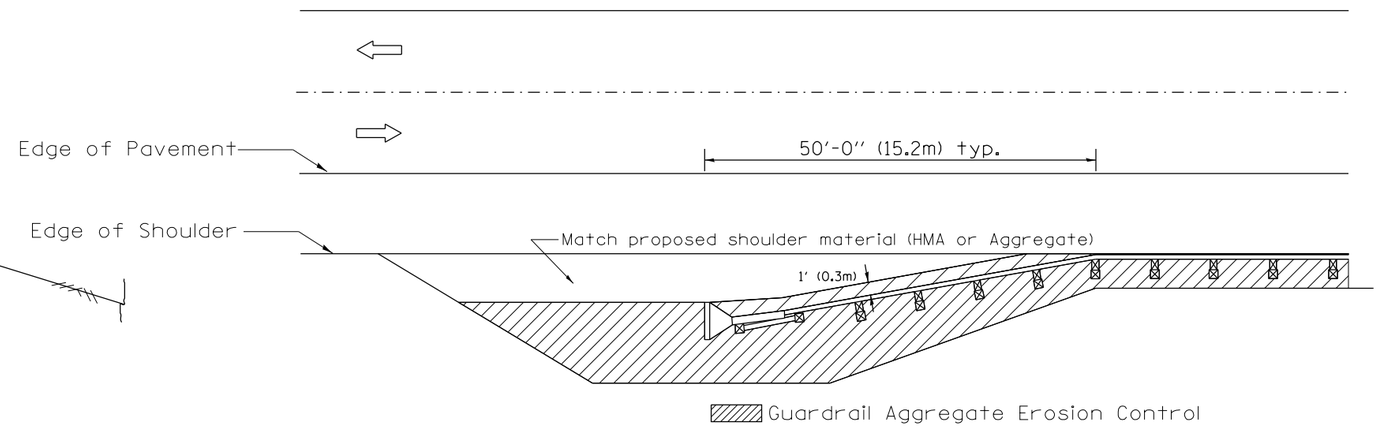
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	132
		CONTRACT NO. 68B69		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL SECTION WITH EROSION CONTROL CURB



TYPICAL SECTION WITHOUT EROSION CONTROL CURB



GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.

2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.

3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.

4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.

5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.

6. Materials shall meet the following requirements:

   A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.

   B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.

DESIGNER NOTES:

1. Consider using a "B" curb pay item at guardrail installations where grades are equal to or greater than 1% and at inlets. [Include District Special Provision]
2. Use GUARDRAIL AGGREGATE EROSION CONTROL at guardrail installations where grades are less than 1% [Include District Special Provision]
3. Include State Standards 609001, 609006 or 610001 if applicable.
4. Include the following District Cadd Standards as needed: Slope Drains for Exposed Pipes; Slope Drains for Buried Pipes; Seepage Collars for Buried Pipes; Seepage Collars for Exposed Pipes; Concrete Thrust Blocks and Pipe Elbow.
5. Include District Special Provision -"Aggregate Quality" for projects located in the Western Area of the District - approx. dividing line is IL 97.

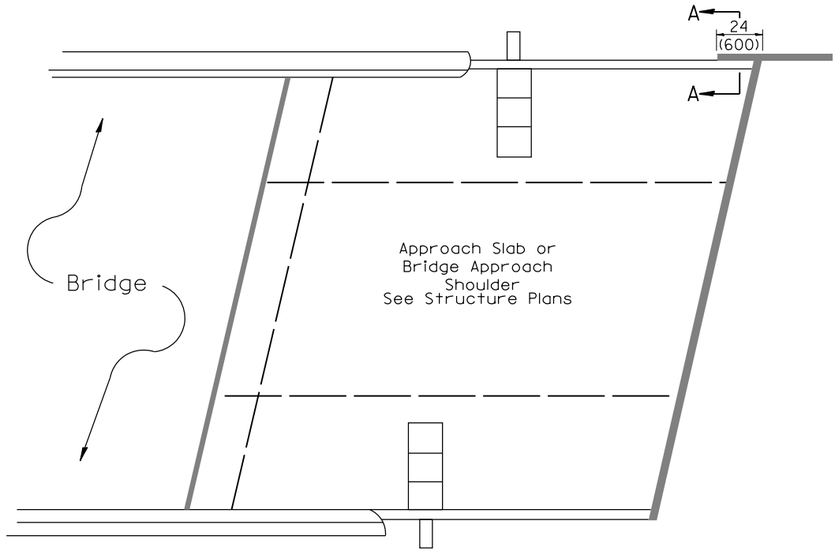
All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-22.01, NEW REVISION BOX	T.P.	3-7-11	Added Detail showing plan view	R.D.
03-01-97	CORRECT STD. NUMBERS IN NOTES PG. 2	J.A.	8-10-12	Revised curb "B" and aggregate	R.D.
11-03-00	CORRECTION TO NOTES	M.A.			
10-16-06	REVISED TO 2007 SPEC.	M.A.			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

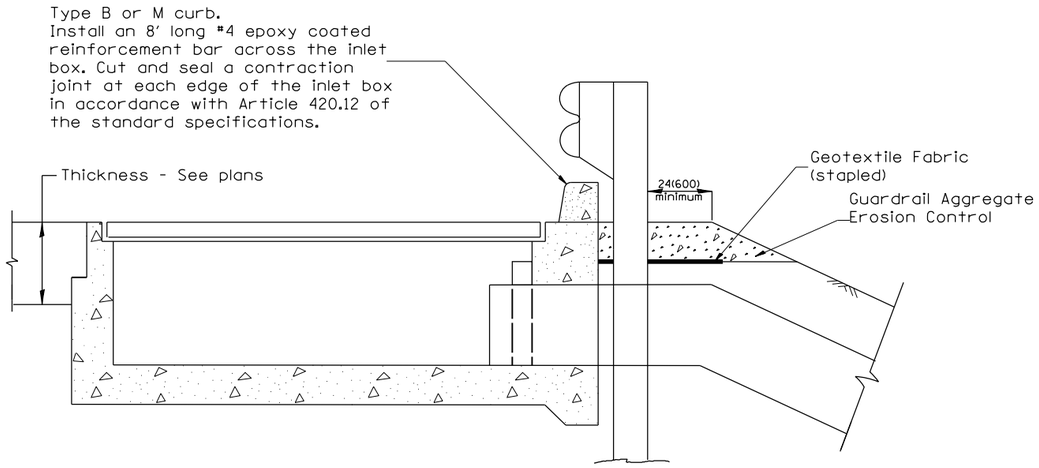
DISTRICT 4 STANDARDS
GUARDRAIL EROSION CONTROL TREATMENTS
SHT. 1 OF 2
NOT TO SCALE
CADD STD. 630101-D4

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	133
		CONTRACT NO. 68B69		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

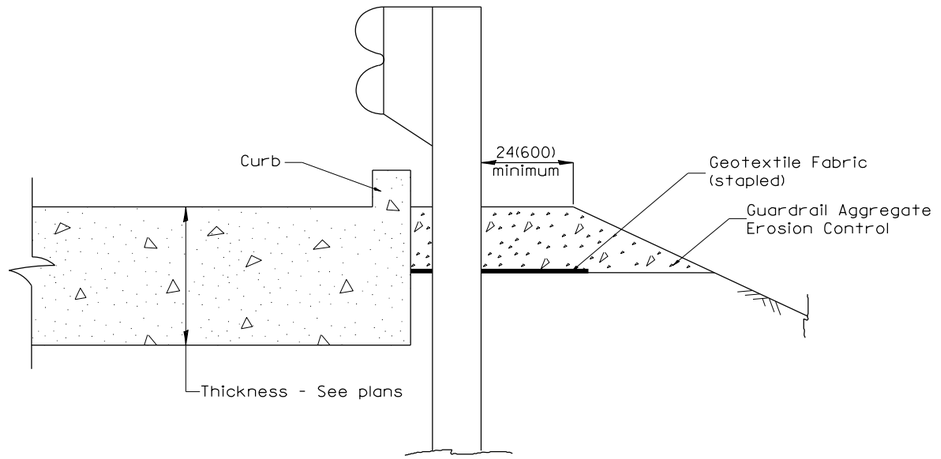


PLAN VIEW

APPROACH SLAB OR BRIDGE APPROACH SHOULDER
(STANDARD 609001 or 609006)



TYPICAL SECTION AT INLETS
TYPE E & F (STANDARD 610001)



SECTION A-A
TYPICAL SECTION WITH BRIDGE APPROACH CURB

All dimensions are in inches (millimeters)
unless otherwise noted.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

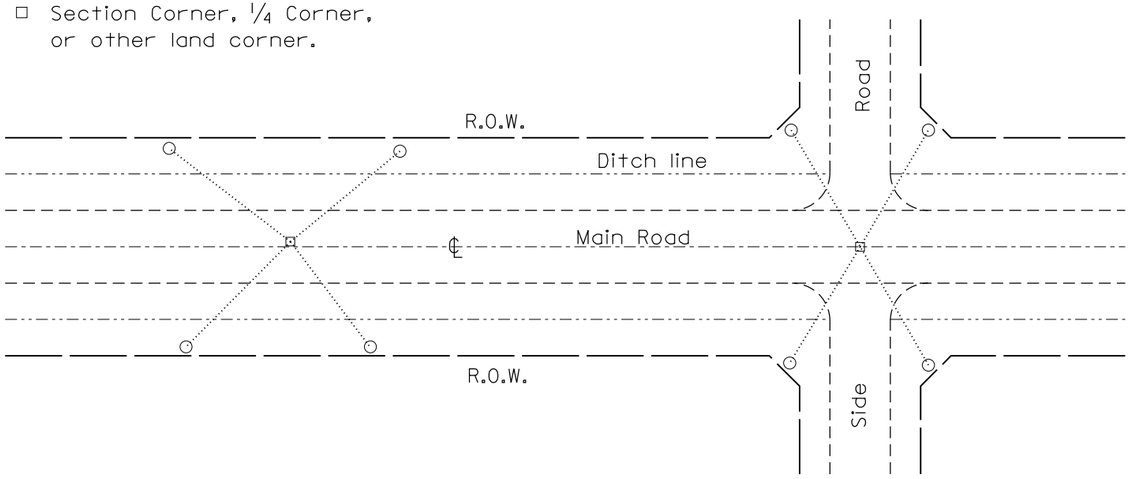
DISTRICT 4 STANDARDS
GUARDRAIL EROSION CONTROL TREATMENTS SHT. 2 OF 2
NOT TO SCALE CADD STD. 630101-D4

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	134
		CONTRACT NO. 68B69		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DESIGNER NOTES:
1. ADD DISTRICT SPECIAL PROVISION IF PLACING A TYPE 1 MARKER ON A STRUCTURE.
2. MODIFIES STATE STD 667101. DON'T USE STATE STD IF USING CADD STANDARD
3. PERMANENT SURVEY MARKERS SHALL BE PLACED TO PERPETUATE THE SURVEY LINES OF DIVIDED HIGHWAYS AND THE CENTERLINE OF ALL OTHERS WHERE THESE LINES HAVE BEEN ESTABLISHED BY SURVEY.
4. PERMANENT SURVEY MARKERS SHALL BE PLACED AT ALL LAND SECTION CORNERS WITHIN THE STATE R.O.W. WHERE THE MONUMENTS HAVE BEEN FOUND OR RELOCATED BY SURVEY.

PERMANENT SURVEY TIES

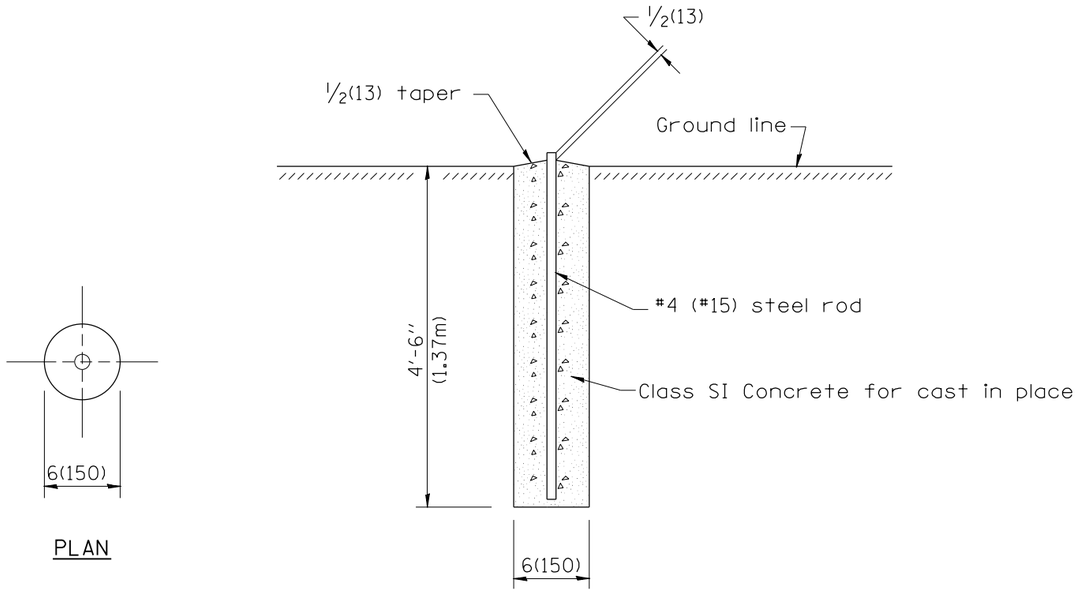
○ Permanent Survey Tie
□ Section Corner, 1/4 Corner, or other land corner.



TYPICAL APPLICATION

GENERAL NOTES

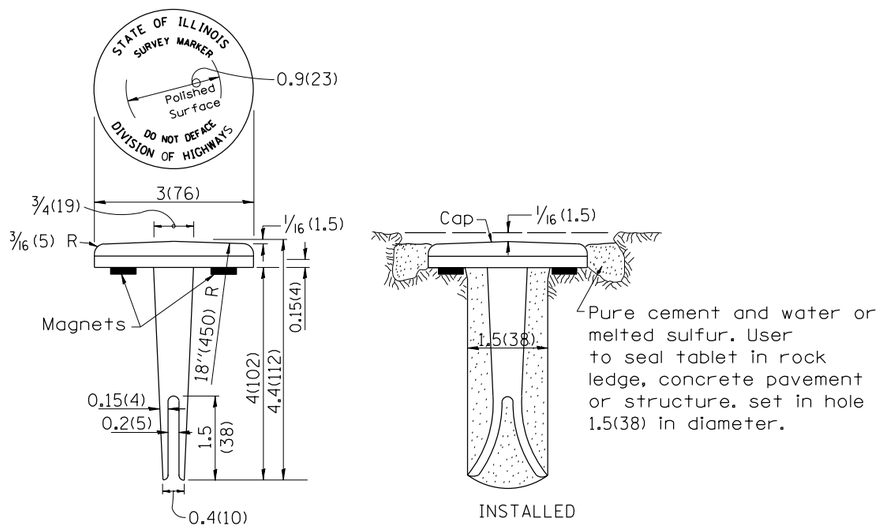
1. The marker shall be cast in place of Class SI Concrete.
2. Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
3. The tie distances to the section corner shall be measured and recorded by the surveyor setting the PSM. All ties shall be turned over to the IDOT Chief of Surveys or Chief of Plats for recordation.
4. All documentation shall be performed by a PLS



PLAN

SECTION

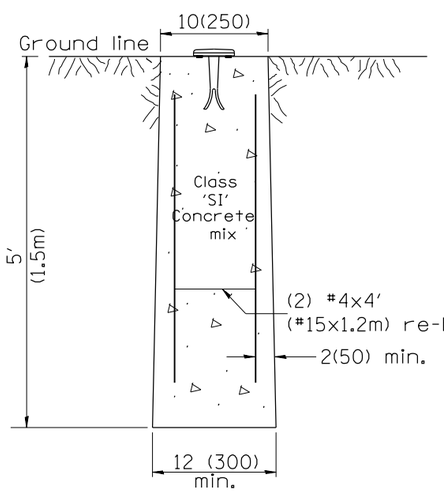
PERMANENT SURVEY MARKERS



TYPE I

GENERAL NOTES

1. All type II markers shall be cast in place, and precast markers will not be allowed.
2. Two permanent magnets, each having a diameter of 3/4 (19) and a thickness of 1/4 (6), or equivalent, shall be attached to the underside of the tablet with an approved epoxy bonding agent.
3. The location of the markers shall be in accordance with the plans in general, the markers will be placed at the P.T.'s, P.C.'s, and P.I.'s located within the R.O.W. of horizontal curves and spaces along the tangents in a way that a minimum of two markers are always inter-visible, and not to exceed 1000' (300m).
4. The markers shall be placed under the direction of the Engineer and shall be installed in a workmanlike manner in order that there will be no further settlement or horizontal shifting. The monuments shall be placed in a way that the survey point will fall within the portion of the plaque provided for that purpose.
5. The project designation, the centerline station, the survey point, and the elevation shall be permanently marked by the use of metal dies after marker has been installed.



MARKER CAST IN PLACE
TYPE II

All dimensions are in inches (millimeters) unless otherwise noted.

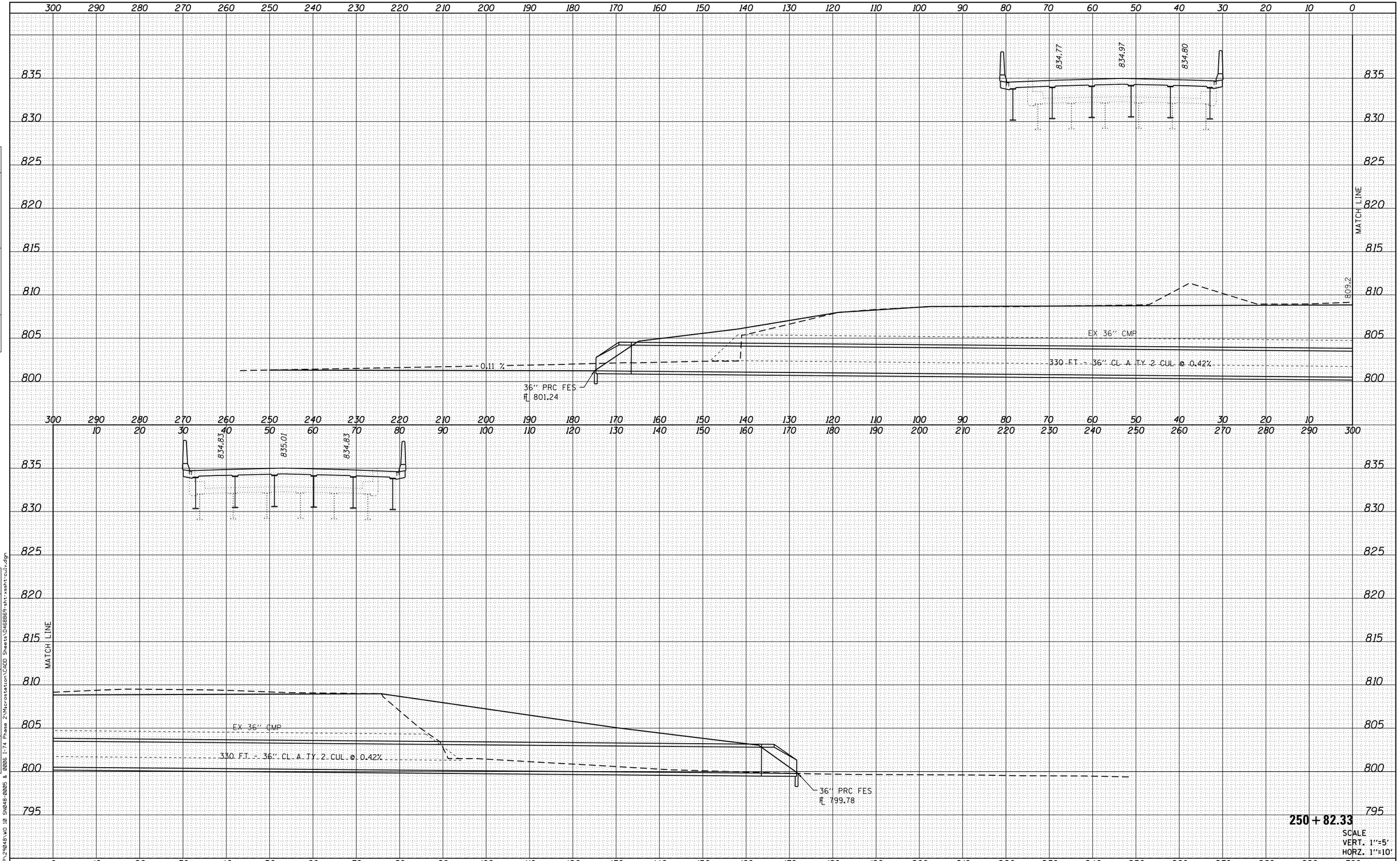
01-01-97	RENUM. D-3.01, NEW REVISION BOX, REVISED	T.P.	10-16-06	REVISED TO 2007 SPEC.	M.A.
	TITLE BOX, ADD DESIGNER NOTE		01-04-11	REVISED FOR CORRECTIONS	R.D.
07-07-98	ADD DESIGNER NOTE	J.A.			
05-24-06	REMOVED GEN. NOTE UNDER TIES	M.A.			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 4 STANDARDS
PERMANENT SURVEY TIE &
PERMANENT SURVEY MARKERS TY.I – TY.II
NOT TO SCALE
CADD STD. 667101-D4

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	135
		CONTRACT NO. 68B69		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGN NUMBER	STATION	A	B	C*	D**



250 + 82.33

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

FILE NAME = H:\P\29048\WD 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xssht-culv.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

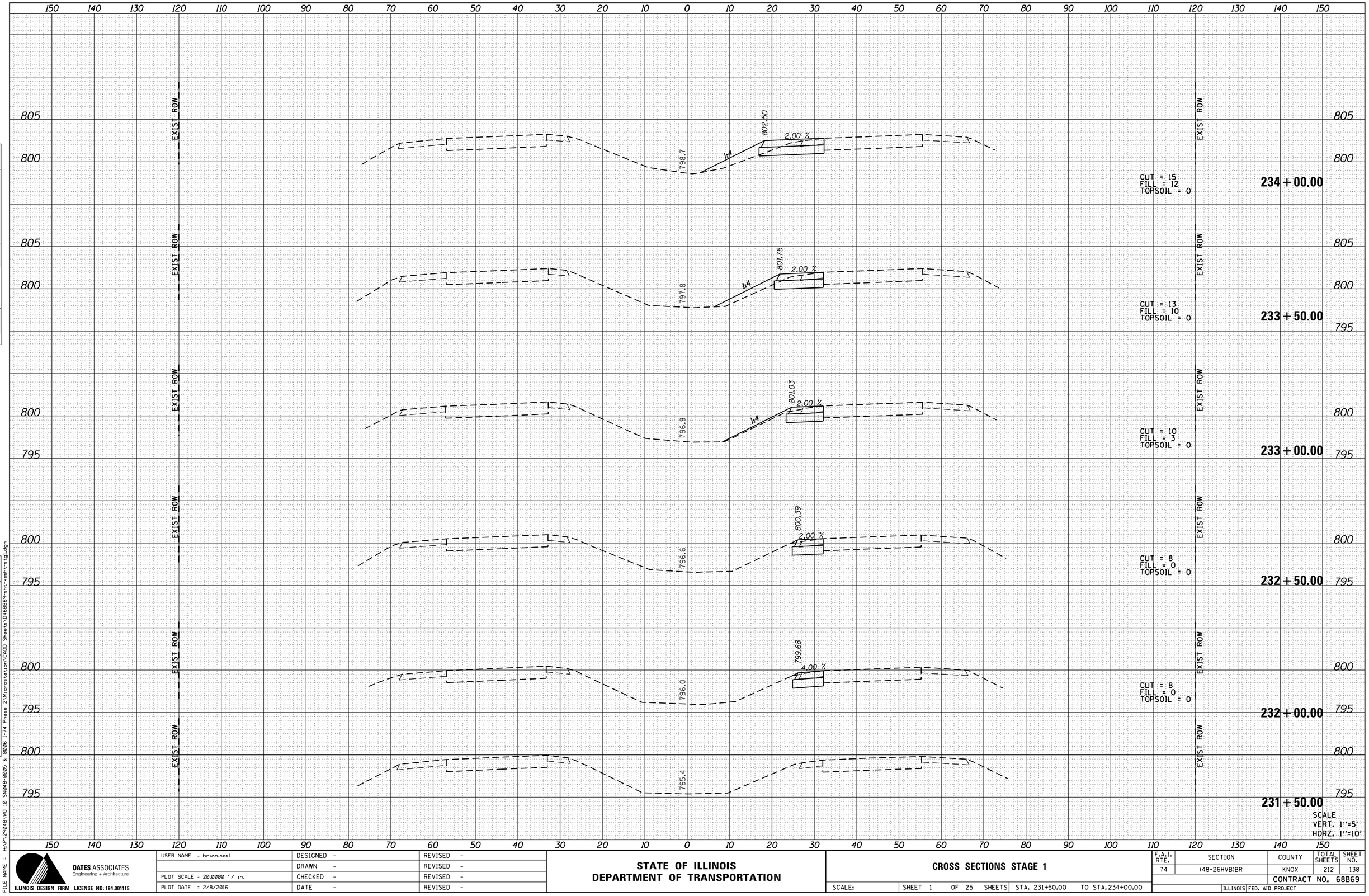
USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS SECTION

SCALE: | SHEET OF SHEETS | STA. 250+79.98 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	137
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



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

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

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OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

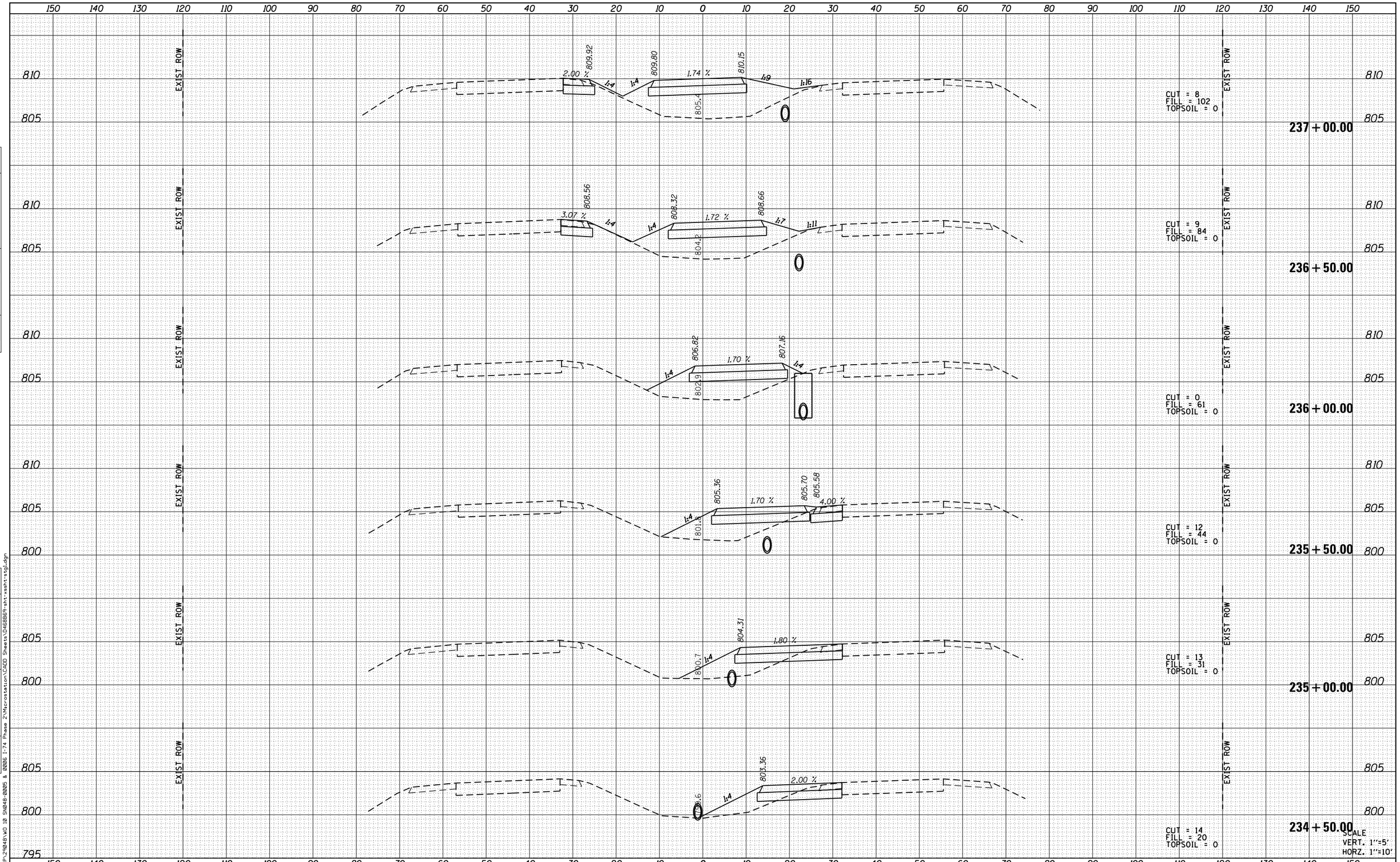
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 1 OF 25 SHEETS | STA. 231+50.00 TO STA. 234+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	138
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



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

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

FILE NAME = H:\P\29048\WO 10 SN048-8005 & 8006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xssht-stg1.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 2 OF 25 SHEETS | STA. 234+50.00 | TO STA. 237+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	139
		CONTRACT NO. 68B69		
		ILLINOIS	FED. AID PROJECT	

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

820
815
810

EXIST ROW

1.79 %
817.72
1:4
812.4

CUT = 11
FILL = 70
TOPSOIL = 0

239 + 50.00

1.79 %
816.34
1:4
811.3

CUT = 11
FILL = 72
TOPSOIL = 0

239 + 00.00

1.79 %
814.91
1:4
809.9

CUT = 10
FILL = 80
TOPSOIL = 0

238 + 50.00

2.00 %
813.02
1:4
1:4
813.01
1.77 %
813.37
1:4
806.2

CUT = 8
FILL = 91
TOPSOIL = 0

238 + 00.00

0.00 %
811.45
1:4
1:4
811.43
1.76 %
811.78
1:10
1:17
806.7

CUT = 8
FILL = 118
TOPSOIL = 0

237 + 50.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

BY	DATE

FILE NAME = H:\P\29048\WD 10 SN048-00005 & 00061-74 Phase 2\Microstation\CADD Sheets\D46BB69-sht-xssht-stg1.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 3 OF 25 SHEETS | STA. 237+50.00 | TO STA. 239+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	140
		CONTRACT NO. 68B69		
		ILLINOIS	FED. AID PROJECT	

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

825
820
815

EXIST ROW

2.15 %
824.03
4:4
820.7

CUT = 25
FILL = 30
TOPSOIL = 0

242 + 00.00

2.15 %
822.93
4:4
817.7

CUT = 10
FILL = 67
TOPSOIL = 0

241 + 50.00

2.00 %
821.62
4:4
814.0

CUT = 11
FILL = 50
TOPSOIL = 0

241 + 00.00

1.79 %
820.31
4:4
812.9

CUT = 11
FILL = 48
TOPSOIL = 0

240 + 50.00

1.79 %
819.03
4:4
813.6

CUT = 10
FILL = 61
TOPSOIL = 0

240 + 00.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

FILE NAME = H:\P\29048\WO 10 SN048-00005 & 00006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stgl.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

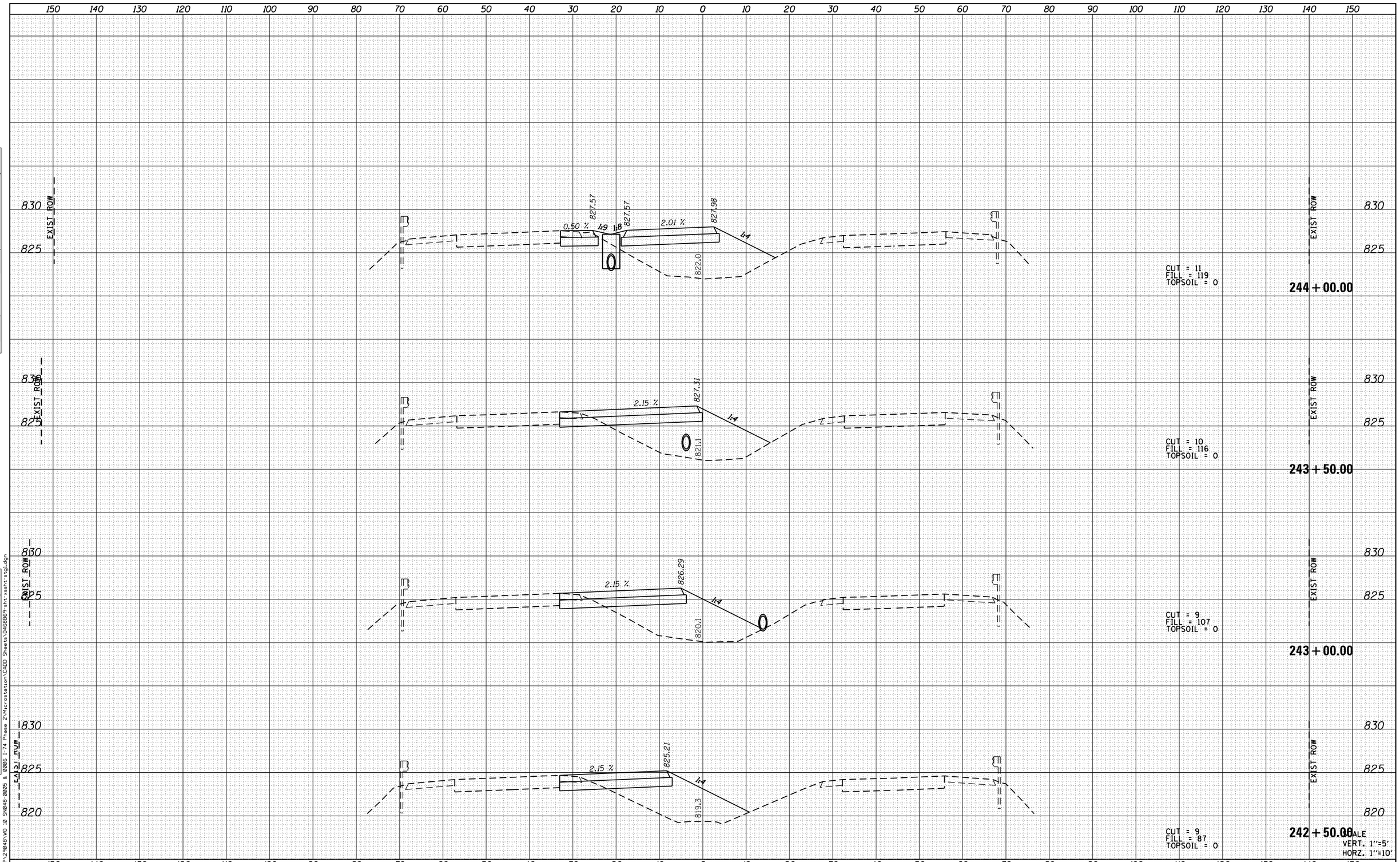
USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 4 OF 25 SHEETS | STA. 240+00.00 TO STA. 242+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	141
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



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

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

FILE NAME = H:\P\29848\WD 10 SN848-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xsshts-stgl.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

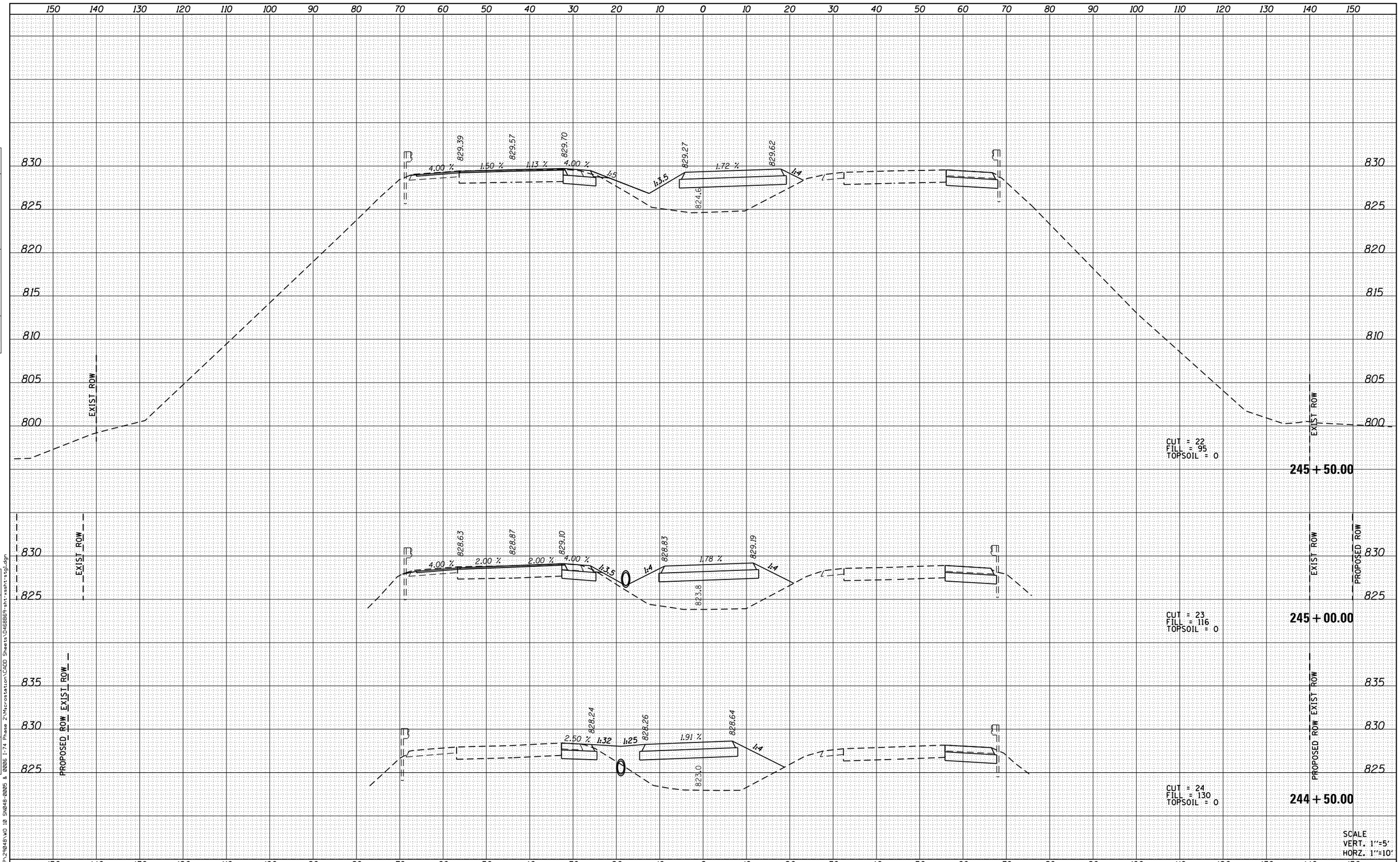
CROSS SECTIONS STAGE 1

SCALE: SHEET 5 OF 25 SHEETS STA. 242+50.00 TO STA. 244+00.00

HORZ. 1"=10'
VERT. 1"=5'

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	142
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

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



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

FILE NAME = H:\P\29848\WD 10 SN848-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D46B869-sht-xsshts-stgl.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

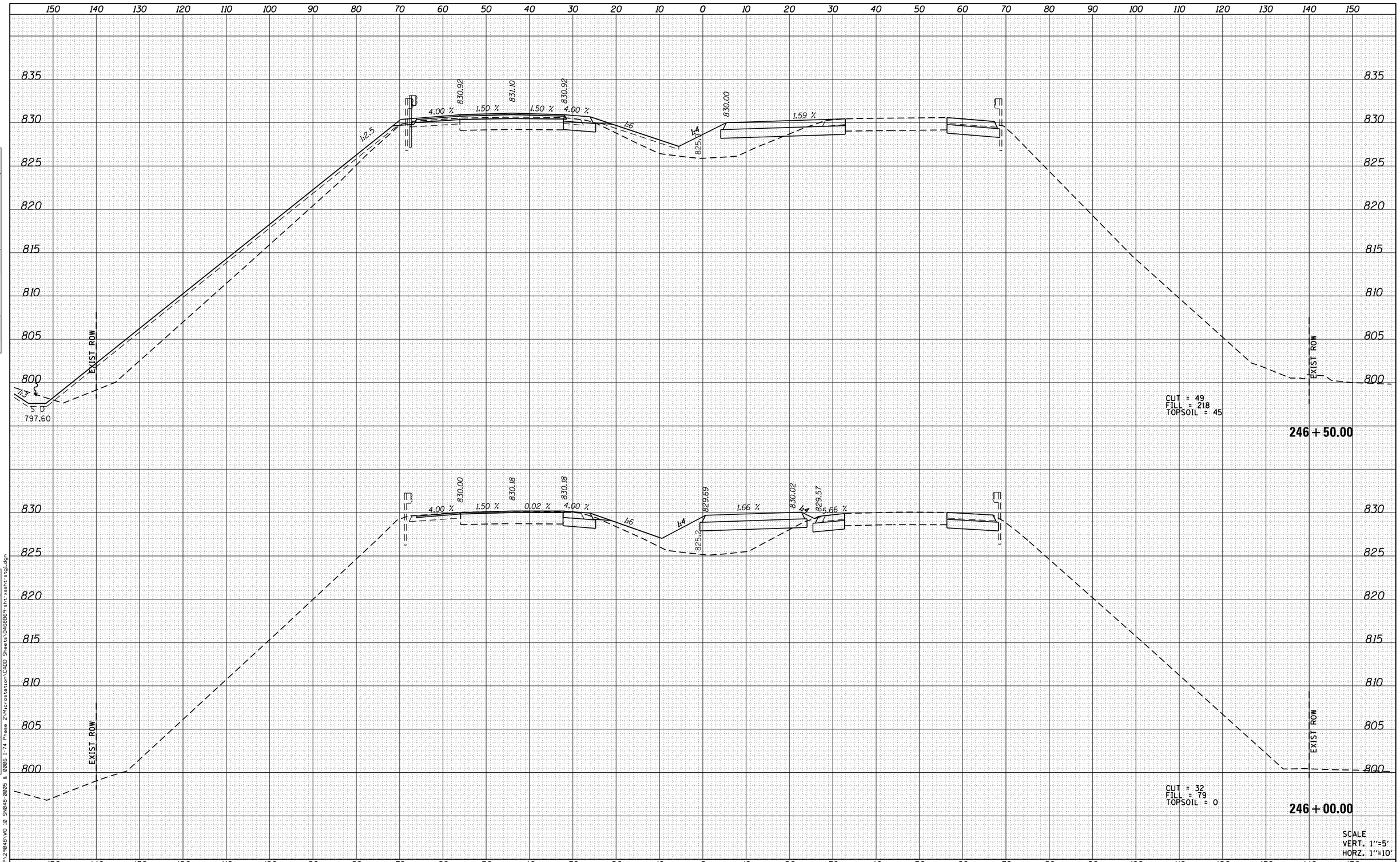
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 6 OF 25 SHEETS | STA. 244+50.00 | TO STA. 245+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	143
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg1.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

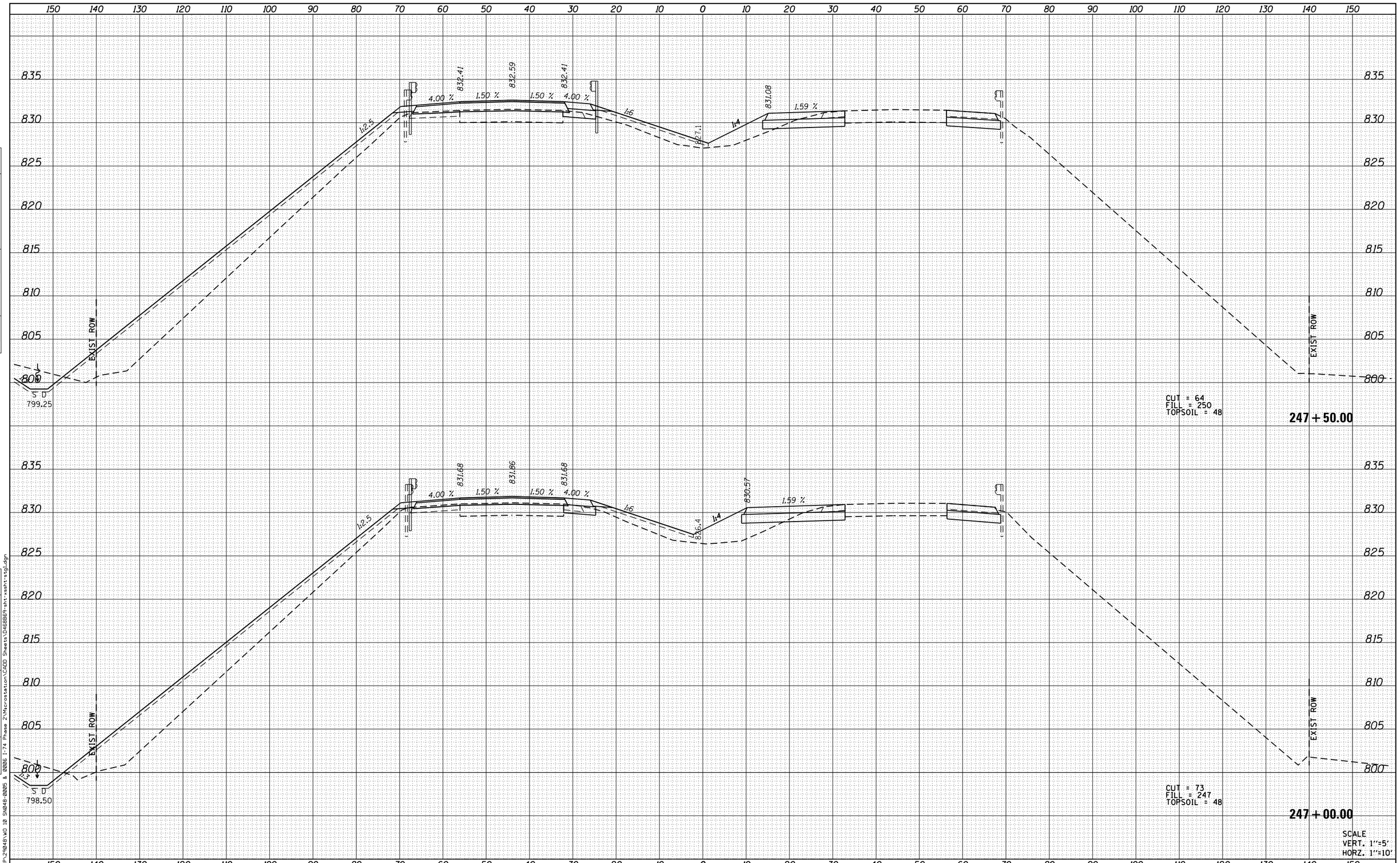
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 7 OF 25 SHEETS | STA. 246+00.00 TO STA. 246+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	144
		CONTRACT NO. 68B69		
		ILLINOIS	FED. AID PROJECT	



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

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

FILE NAME = H:\P\29048\WO 10 SN048-8005 & 8006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xssht-stg1.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

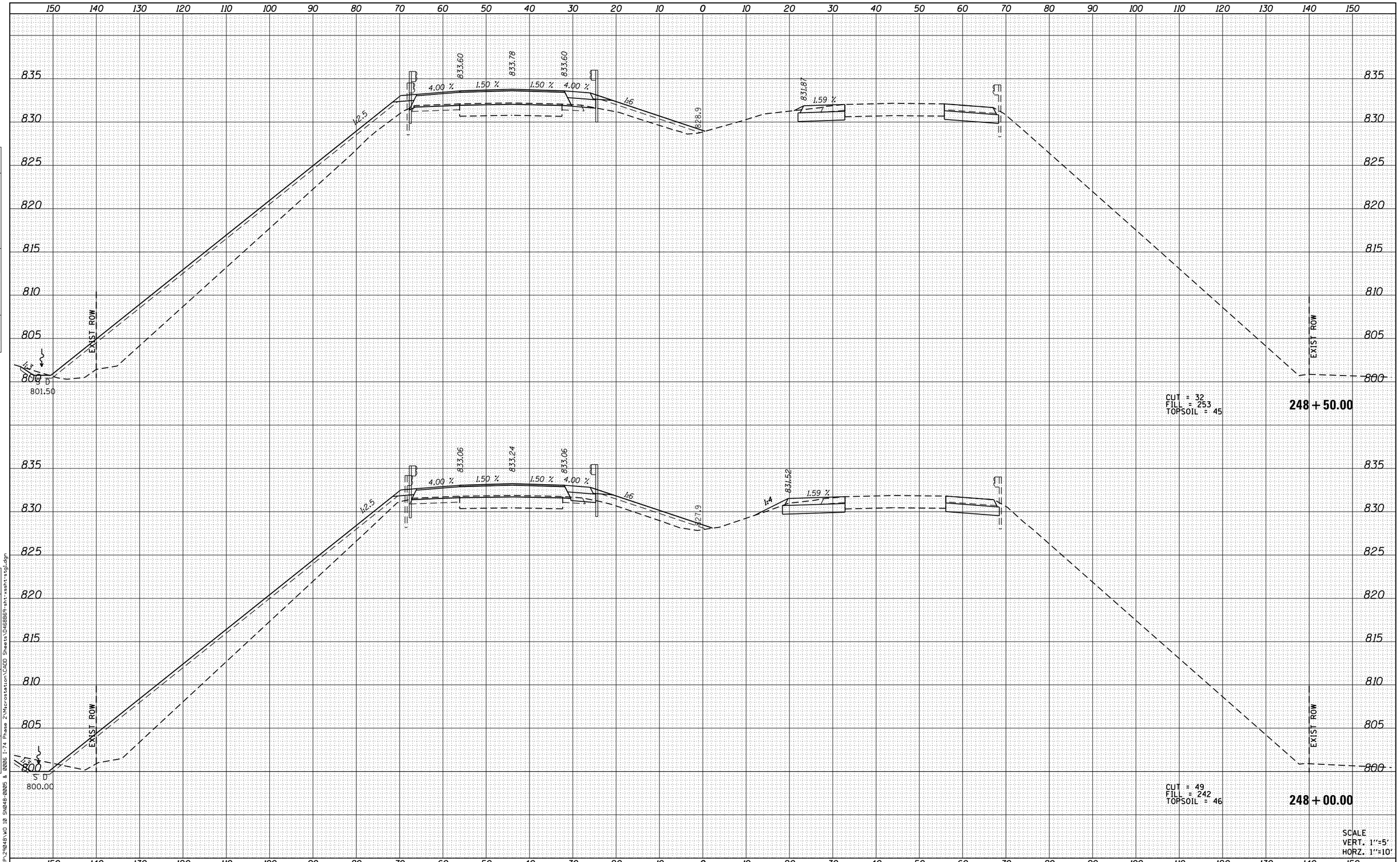
USER NAME = brianchell	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 8 OF 25 SHEETS | STA. 247+00.00 TO STA. 247+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	145
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



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

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

FILE NAME = H:\P\29048\WO 10 SN048-8005 & 8006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xssht-stg1.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

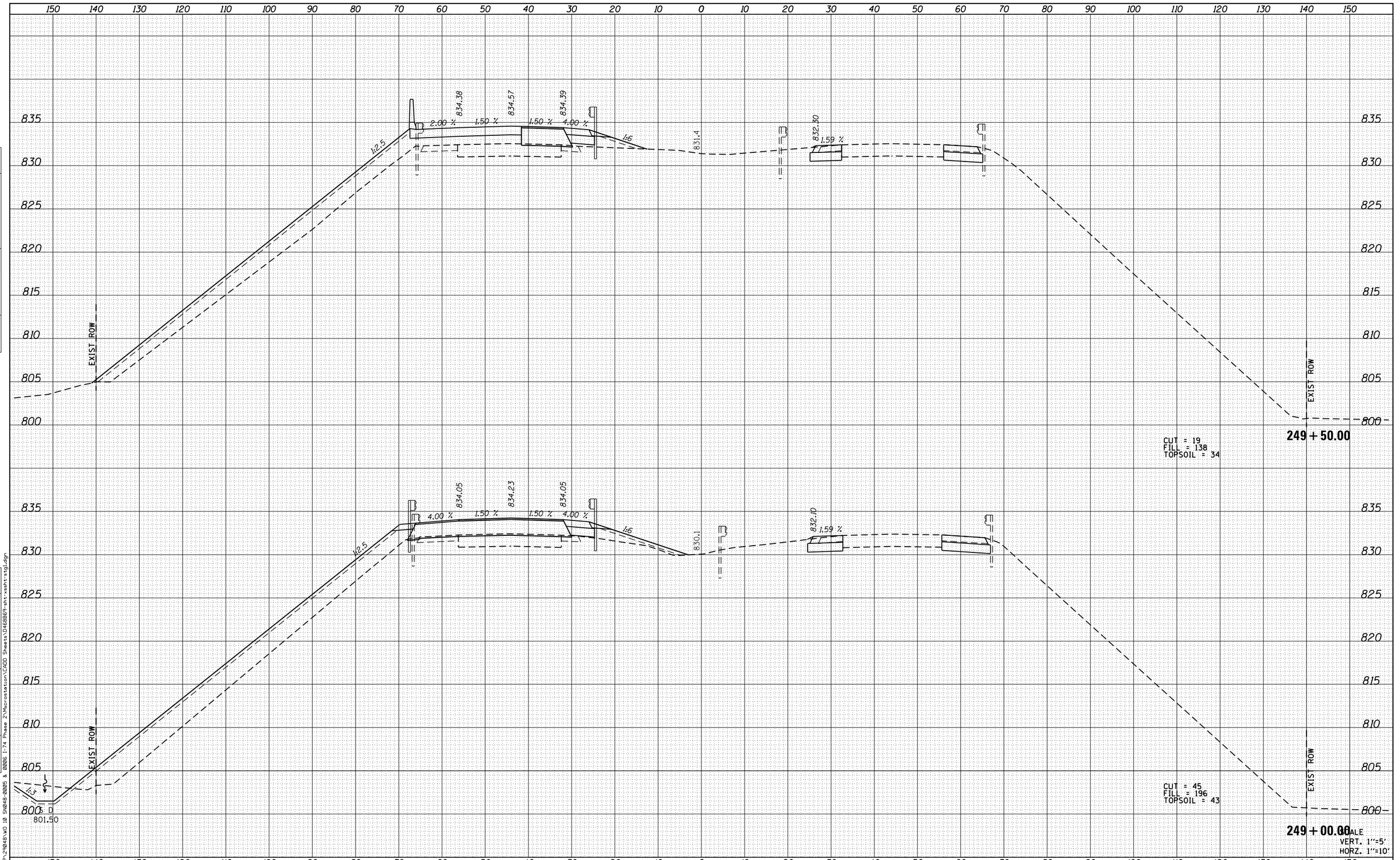
USER NAME = brianchell	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 9 OF 25 SHEETS | STA. 248+00.00 | TO STA. 248+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	146
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



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

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

FILE NAME = N:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg1.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

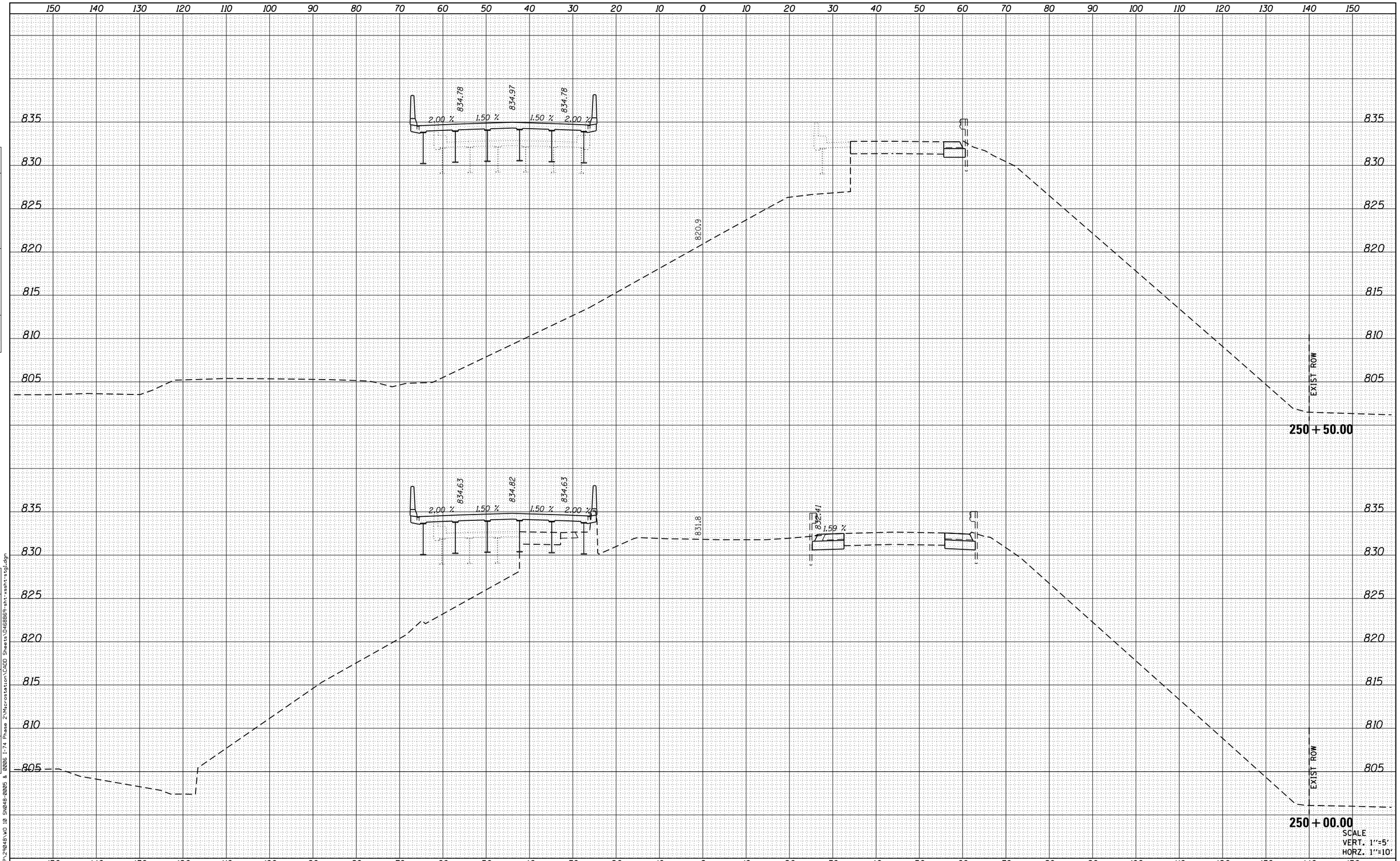
CROSS SECTIONS STAGE 1

SCALE: | SHEET 10 OF 25 SHEETS | STA. 249+00.00 | TO STA. 249+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	147
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		

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

BY	DATE



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

BY	DATE

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg1.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

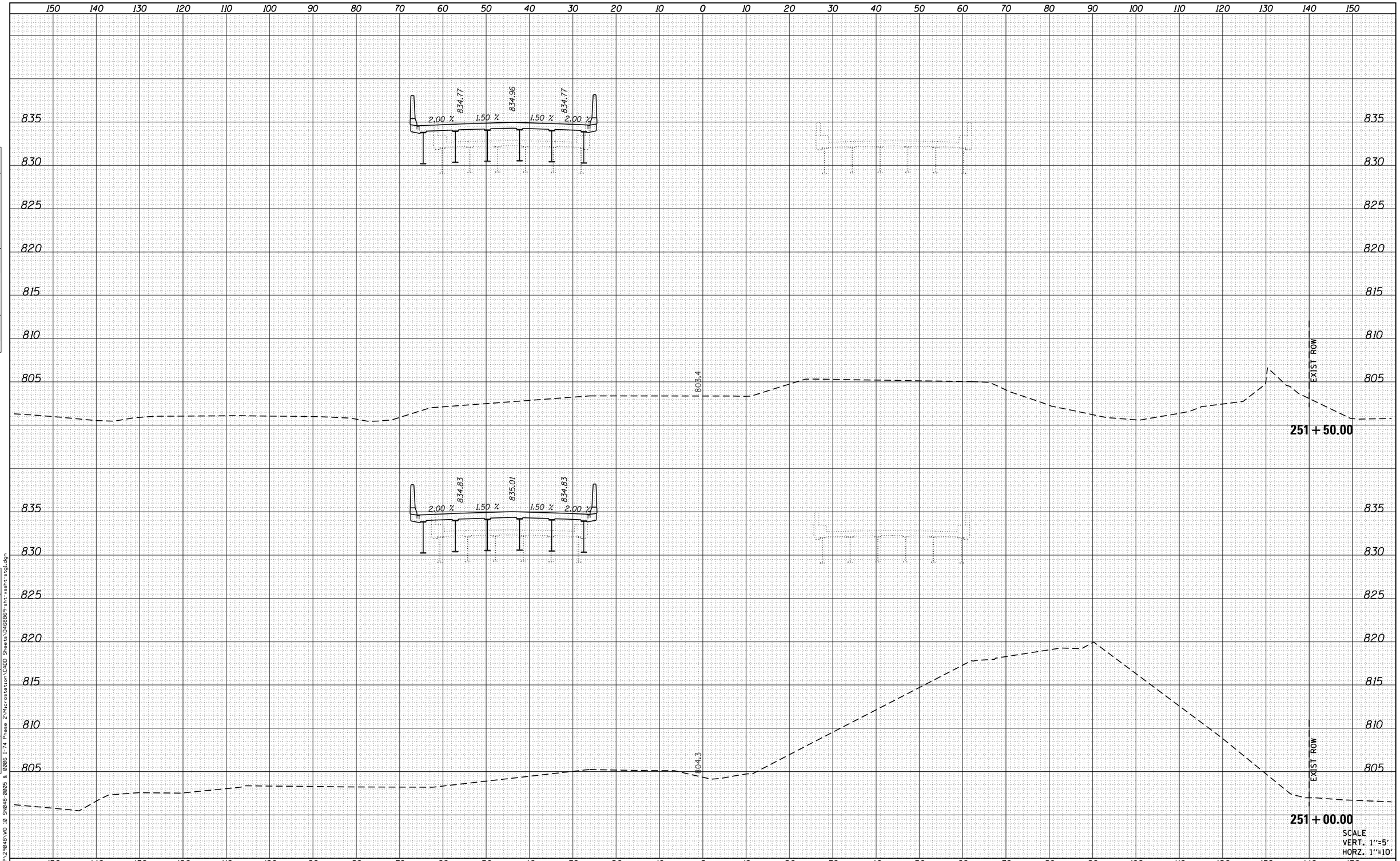
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 11 OF 25 SHEETS | STA. 250+00.00 TO STA. 250+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	148
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		

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



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

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg1.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

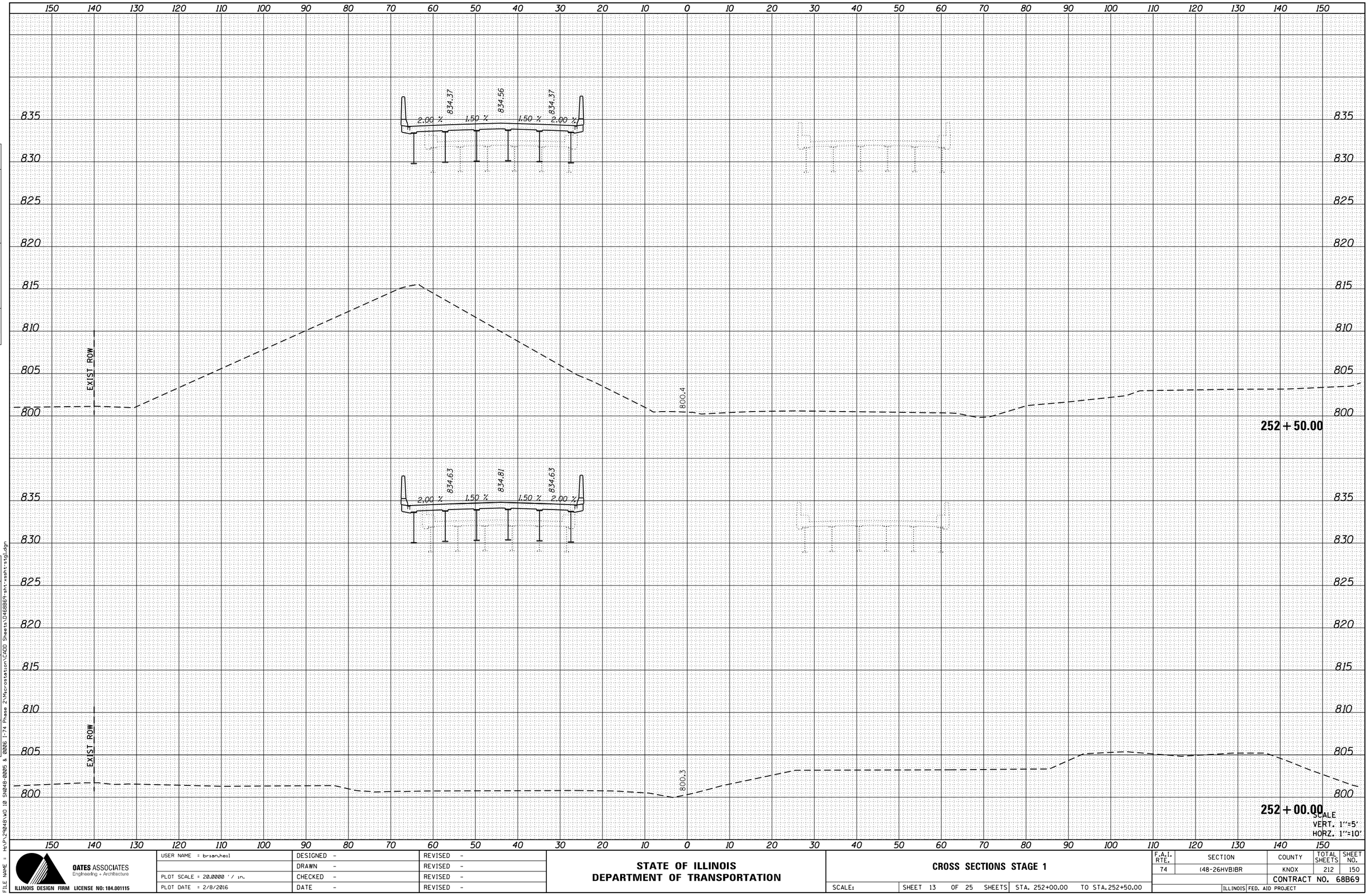
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 12 OF 25 SHEETS | STA. 251+00.00 | TO STA. 251+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	149
		CONTRACT NO. 68B69		
		ILLINOIS	FED. AID PROJECT	

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



SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xssht-stg1.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

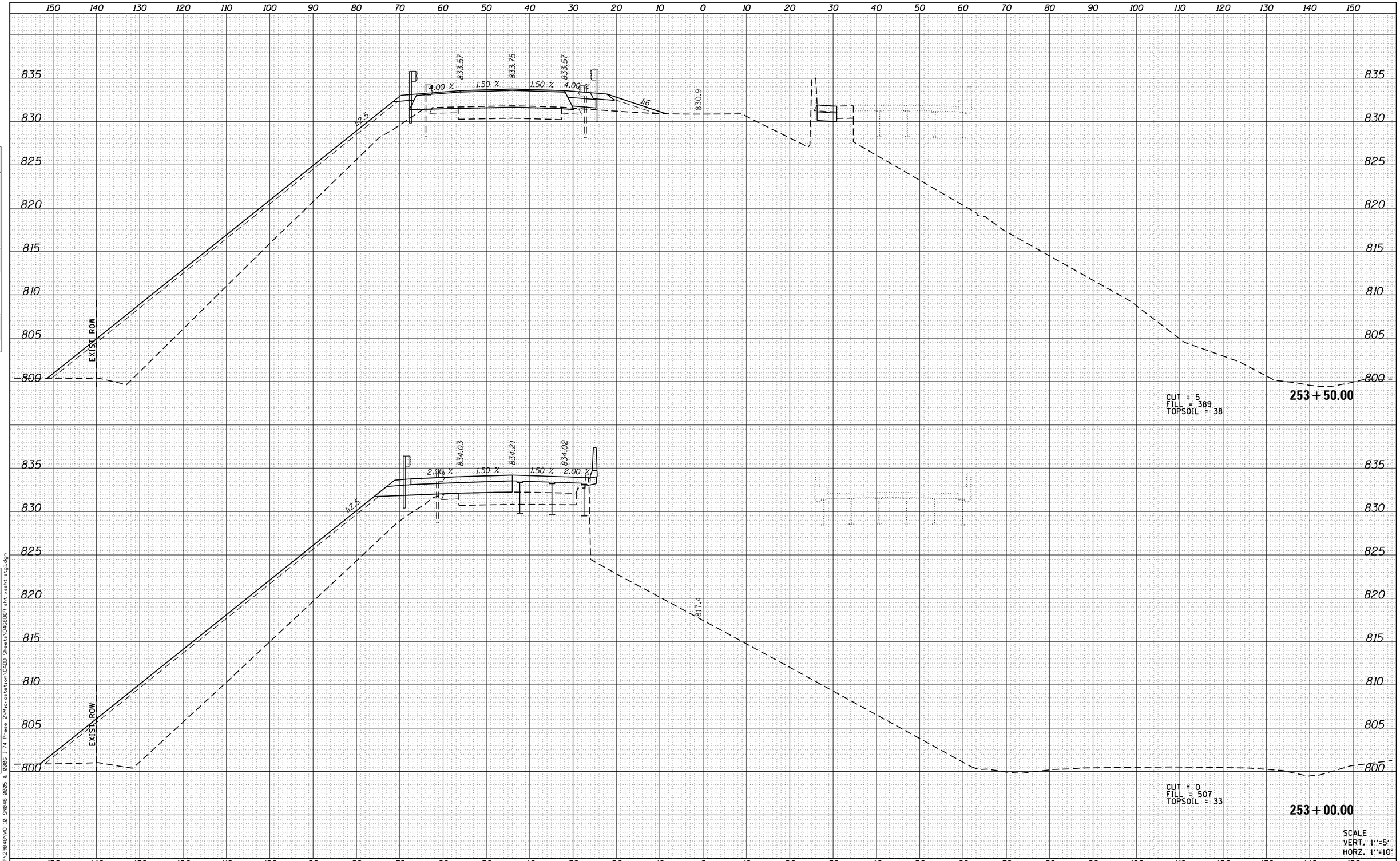
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 13 OF 25 SHEETS | STA. 252+00.00 TO STA. 252+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	150
		CONTRACT NO. 68B69		
		ILLINOIS	FED. AID PROJECT	



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

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

FILE NAME = H:\P\29048\WD 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xssht-stgl.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

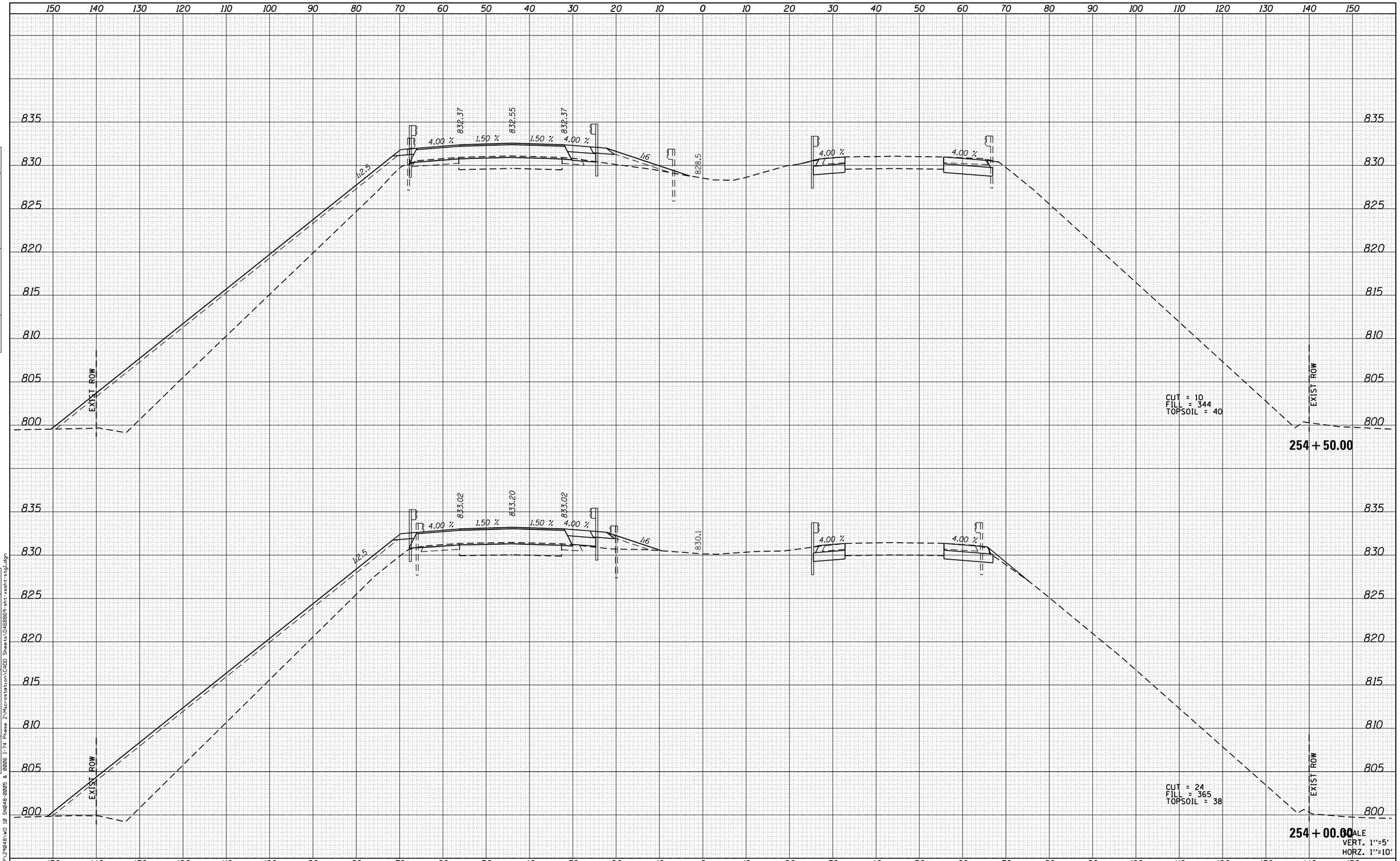
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 14 OF 25 SHEETS | STA. 253+00.00 | TO STA. 253+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	151
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

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



SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg1.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

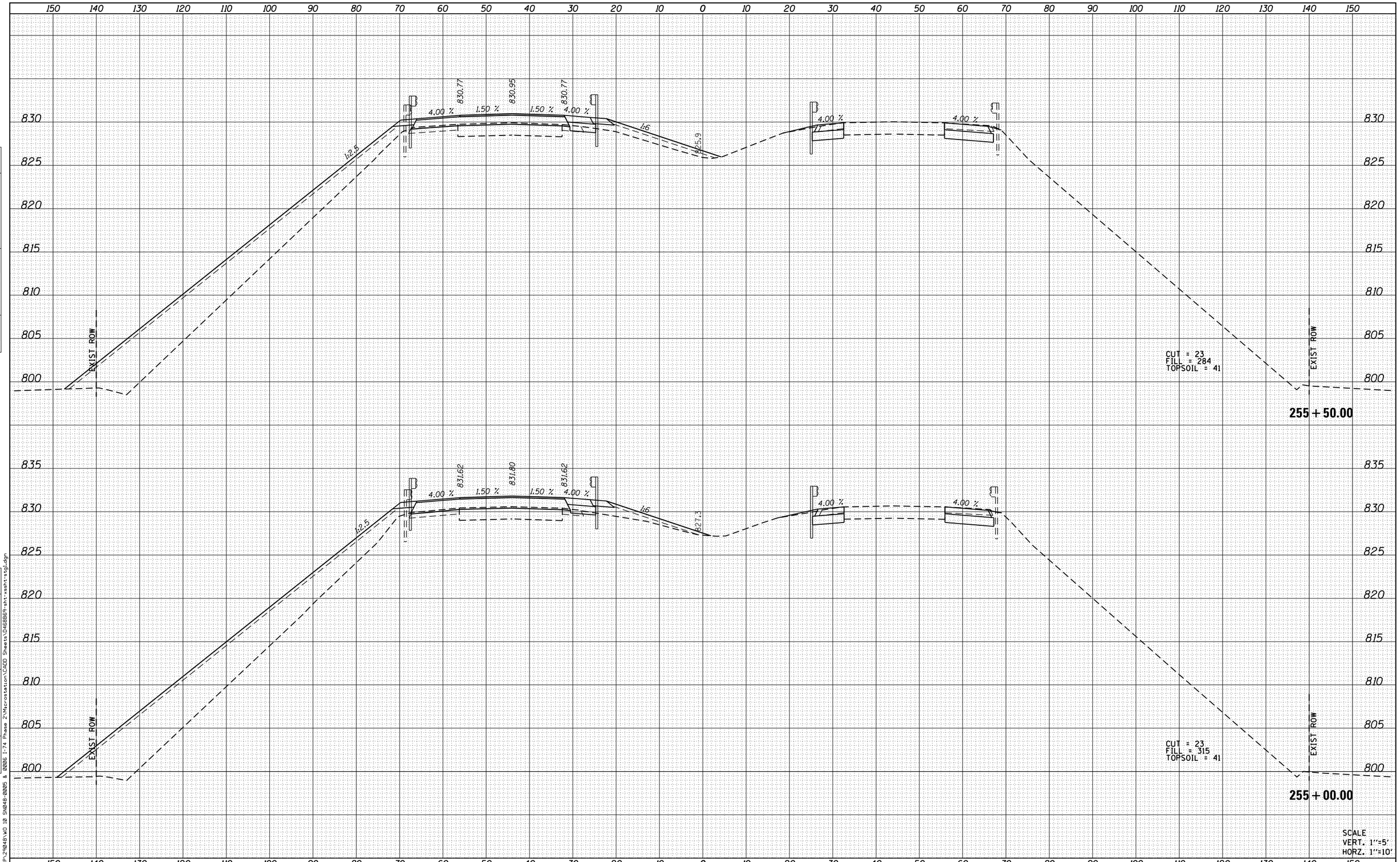
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 15 OF 25 SHEETS | STA. 254+00.00 TO STA. 254+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	152
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		



SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

FILE NAME = H:\P\29048\WO 10 SN048-8005 & 8006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xssht-stg1.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

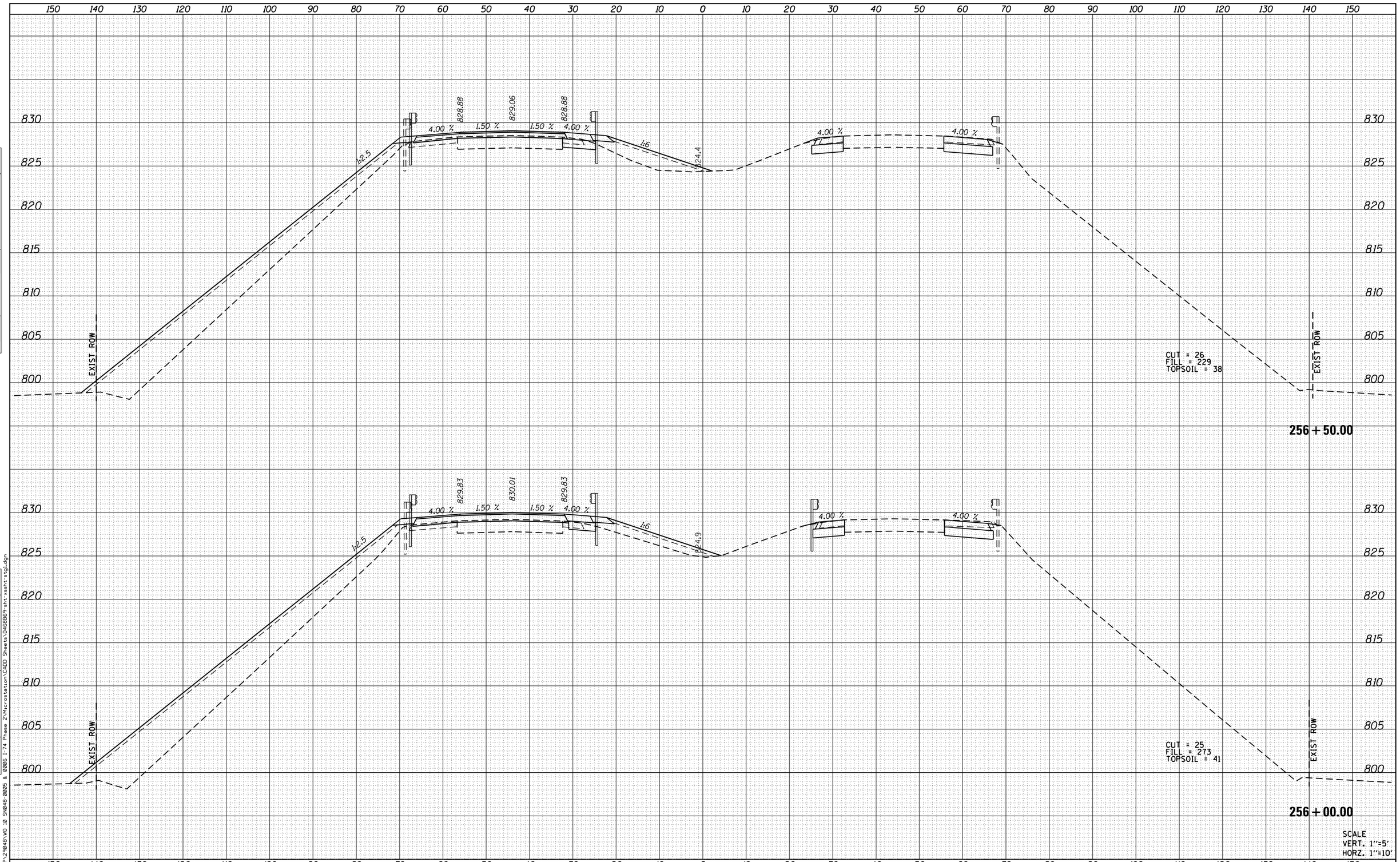
USER NAME = brianchell	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 16 OF 25 SHEETS | STA. 255+00.00 | TO STA. 255+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	153
		CONTRACT NO. 68B69		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg1.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

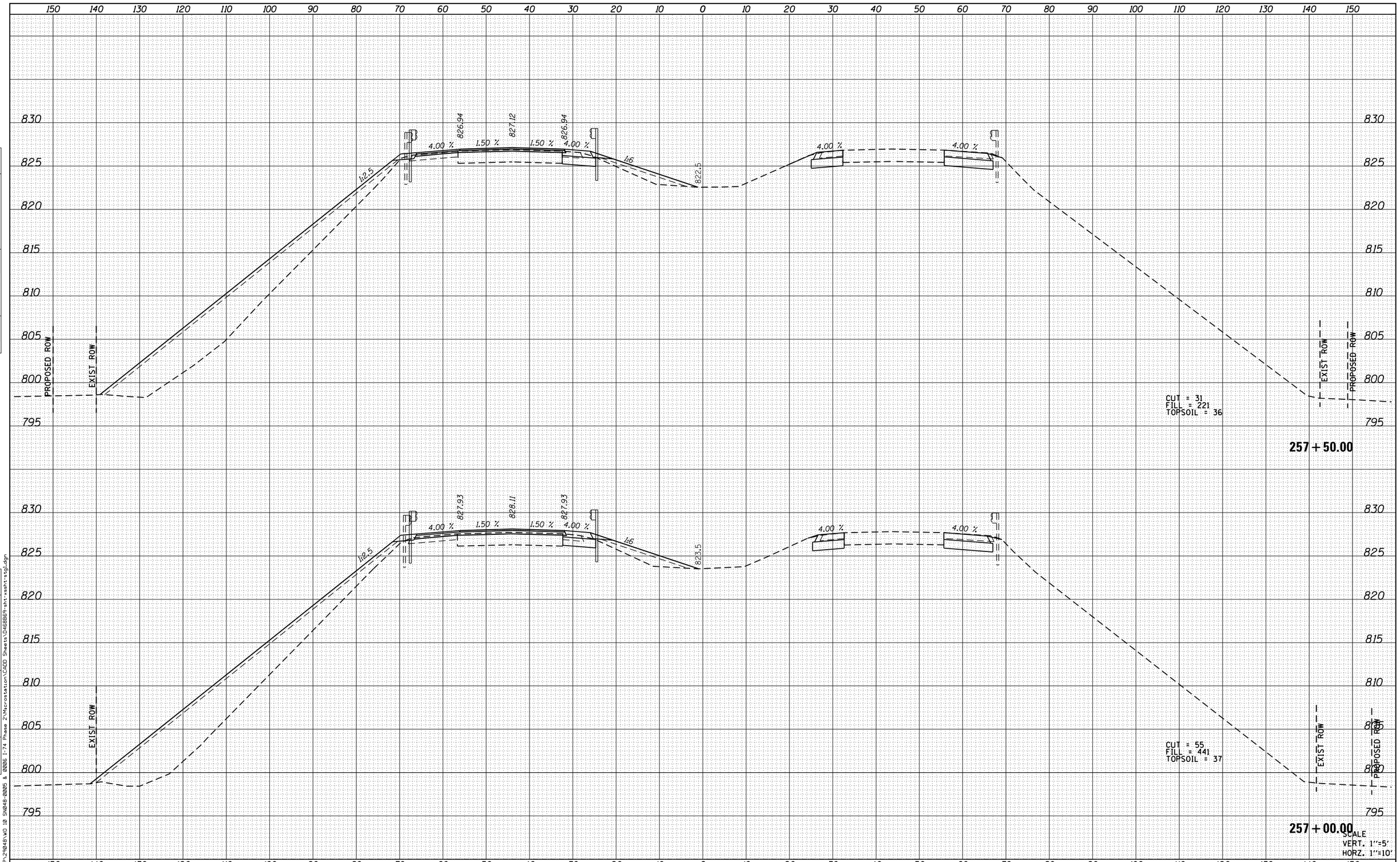
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 17 OF 25 SHEETS | STA. 256+00.00 | TO STA. 256+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	154
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY

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

ORIGINAL SURVEY

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

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg1.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

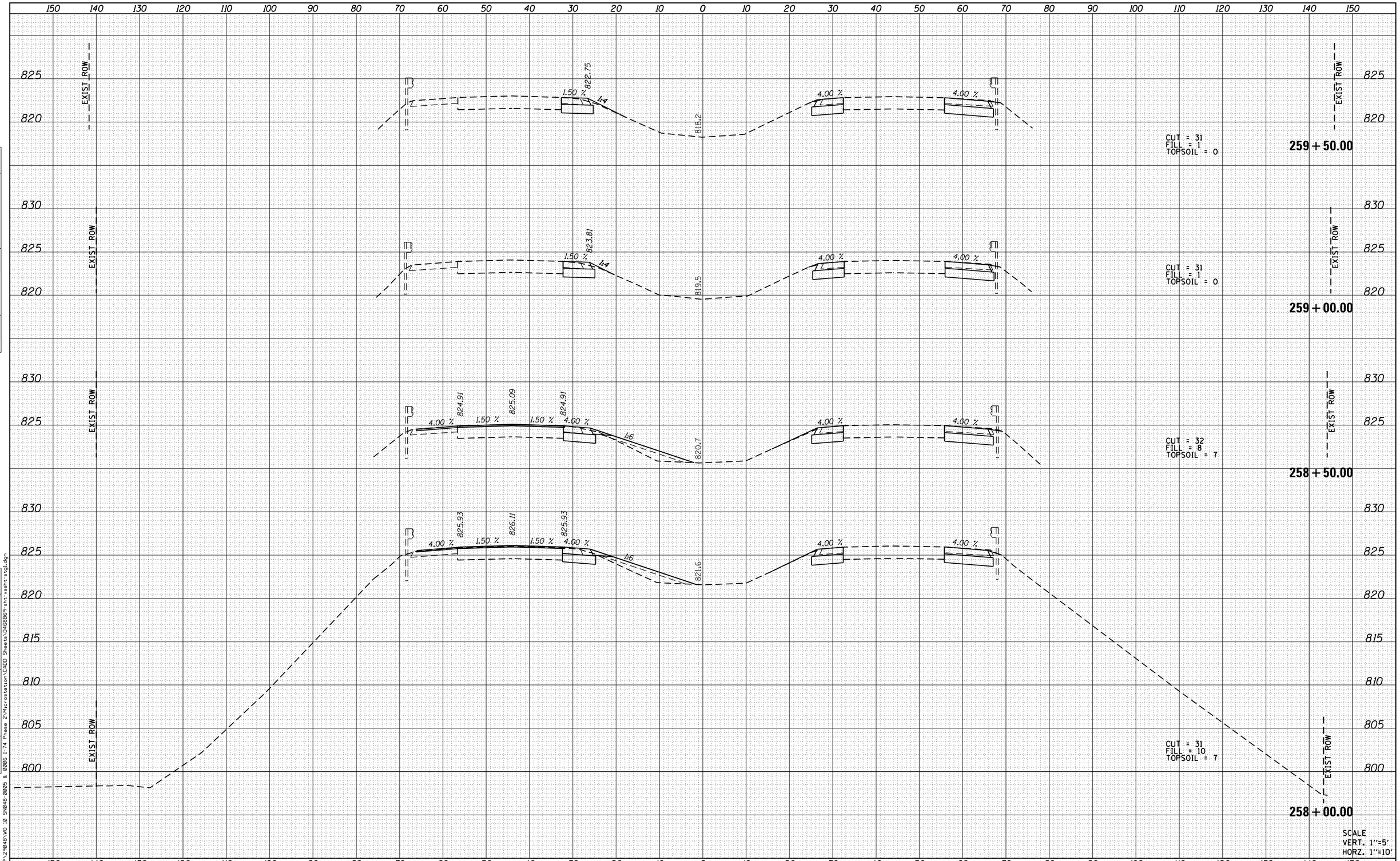
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 18 OF 25 SHEETS | STA. 257+00.00 TO STA. 257+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	155
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

FILE NAME = H:\P\29848\WD 10 SN848-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xsshts-stgl.dgn

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Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

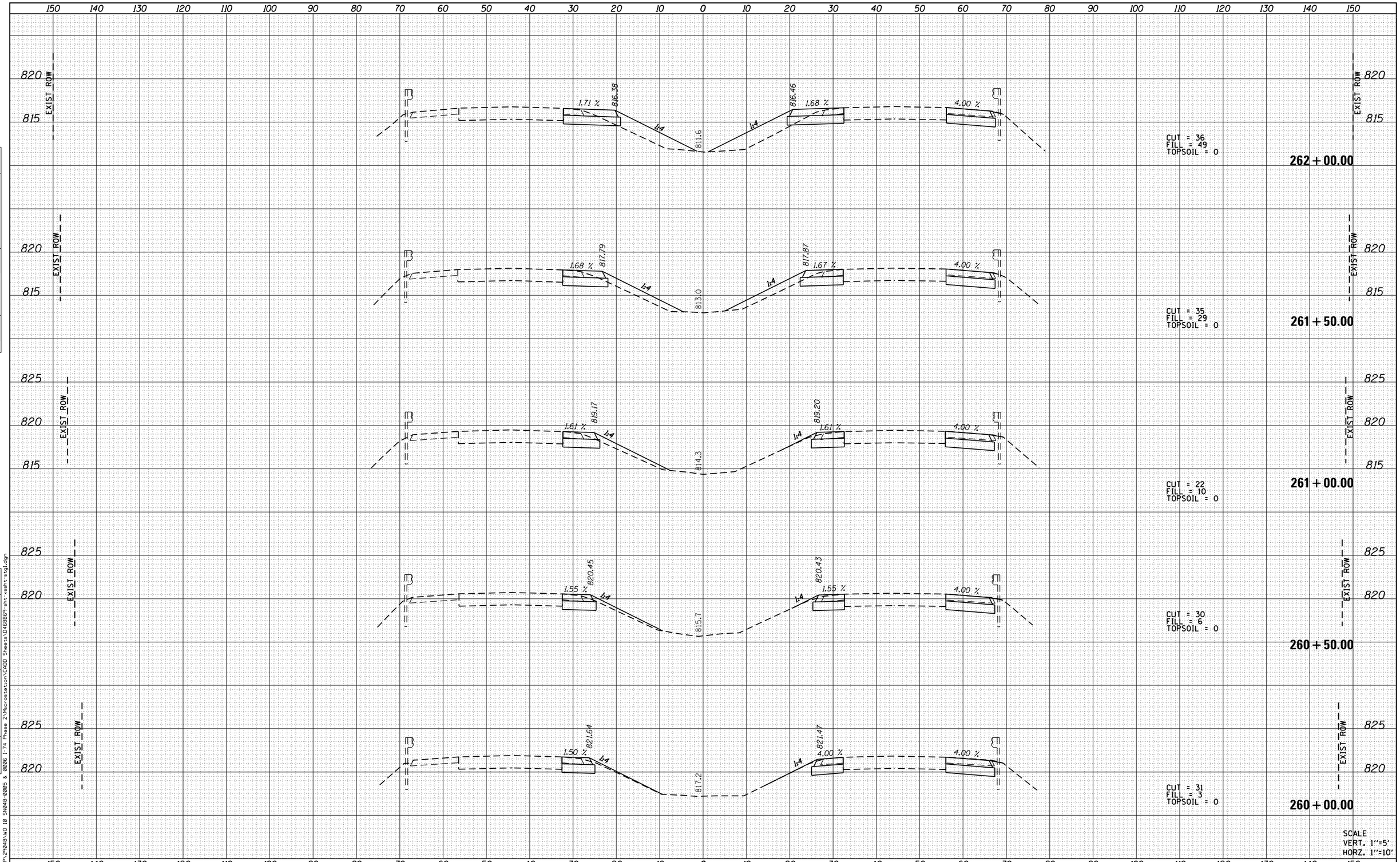
USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 19 OF 25 SHEETS | STA. 258+00.00 TO STA. 259+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	156
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



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

BY	DATE

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

BY	DATE

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xsst-stgl.dgn

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USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

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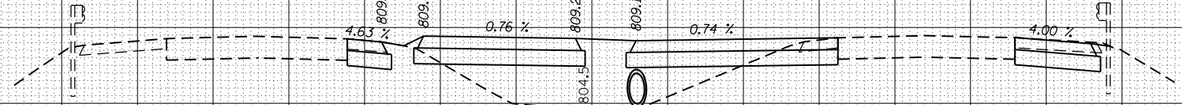
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 20 OF 25 SHEETS | STA. 260+00.00 | TO STA. 262+00.00

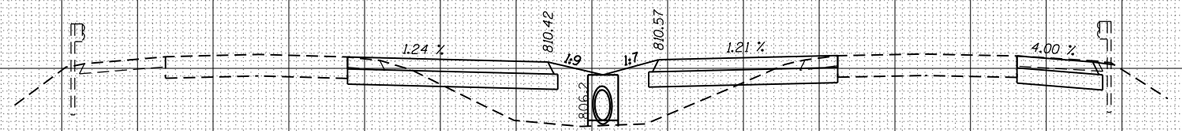
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	157
		CONTRACT NO. 68B69		
	ILLINOIS	FED. AID PROJECT		

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



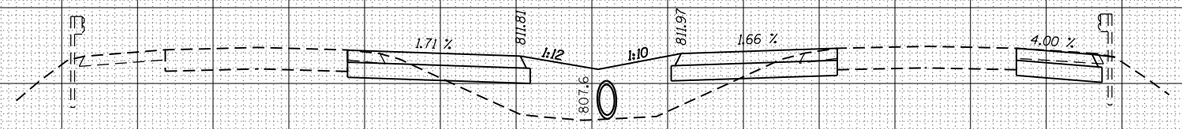
CUT = 33
FILL = 88
TOPSOIL = 0

264+50.00



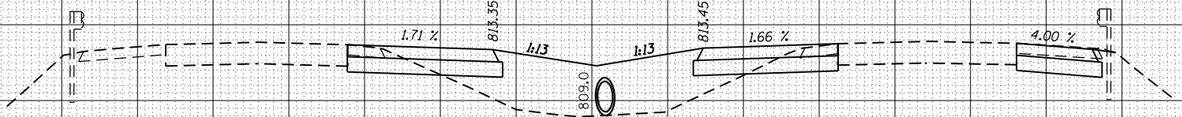
CUT = 37
FILL = 82
TOPSOIL = 0

264+00.00



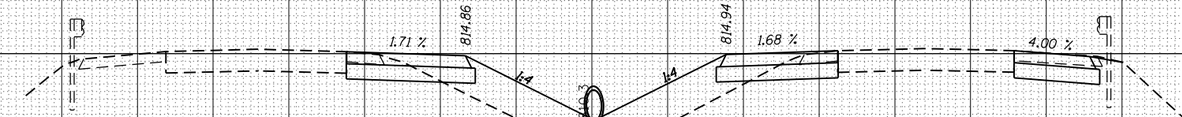
CUT = 37
FILL = 91
TOPSOIL = 0

263+50.00



CUT = 35
FIL = 104
TOPSOIL = 0

263+00.00



CUT = 36
FILL = 66
TOPSOIL = 0

262+50.00

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

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

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

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D48B69-sht-xssht-stgl.dgn

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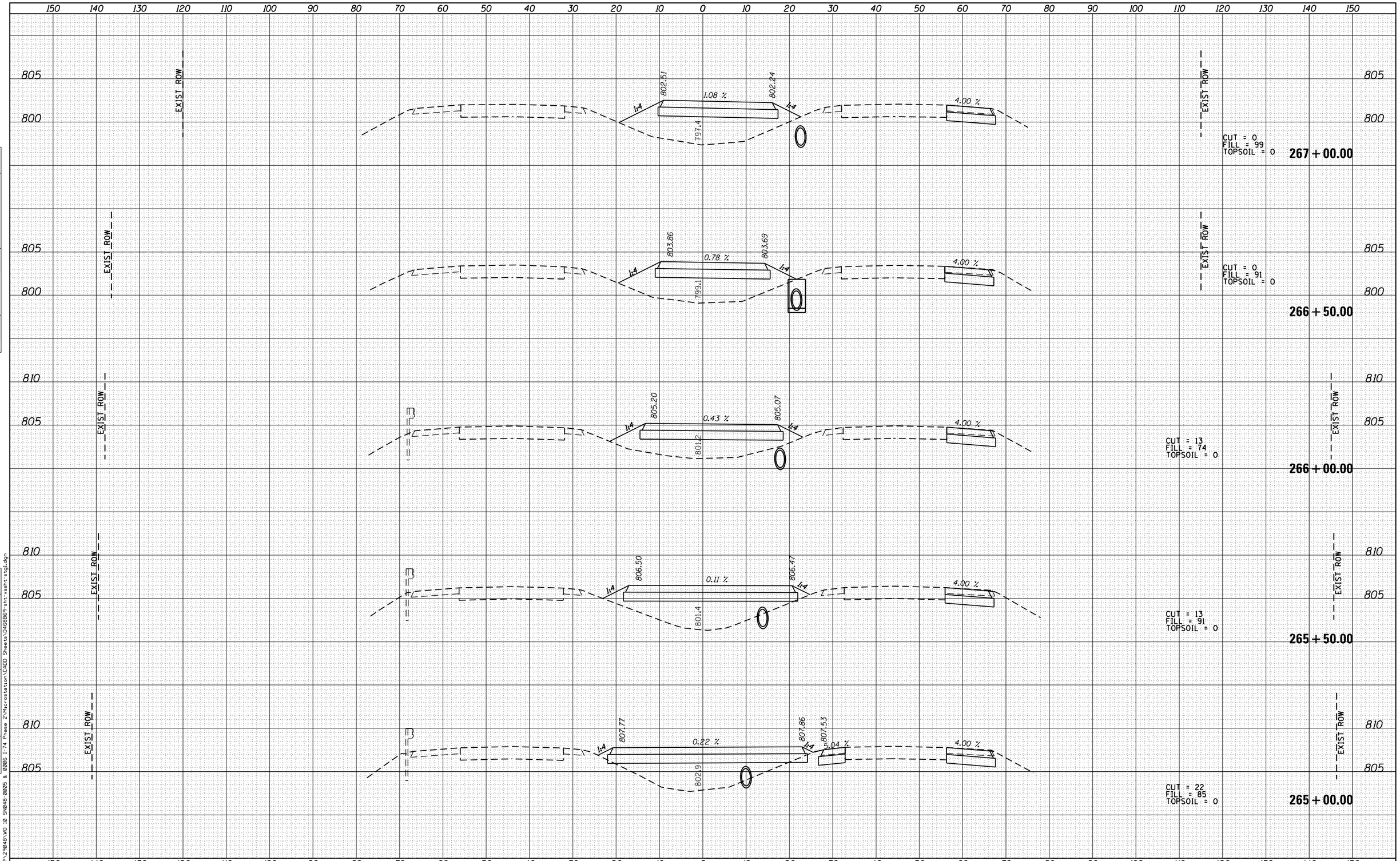
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 21 OF 25 SHEETS | STA. 262+50.00 | TO STA. 264+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	158
		CONTRACT NO. 68B69		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

FILE NAME = H:\P\29848\WD 10 SN848-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xsshts-stg1.dgn

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USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 22 OF 25 SHEETS | STA. 265+00.00 TO STA. 267+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	159
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

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

EXIST ROW

795 790

794.87 795.30 2.58 % 794.79 1:4 1:4 796.41 2.70 %

791.0

CUT = 17
FILL = 85
TOPSOIL = 0

269 + 50.00

EXIST ROW

800 795

1:4 797.04 1.90 % 796.66 1:4 1:4 797.30 2.06 %

792.2

CUT = 9
FILL = 94
TOPSOIL = 0

269 + 00.00

EXIST ROW

800 795

1:4 798.60 1.43 % 4.00 %

793.2

CUT = 9
FILL = 103
TOPSOIL = 0

268 + 50.00

EXIST ROW

800 795

1:4 799.90 1.96 % 799.15 798.85 4.00 %

794.4

CUT = 8
FILL = 101
TOPSOIL = 0

268 + 00.00

EXIST ROW

805 800

1:4 801.12 1.50 % 800.64 1:4 4.00 %

796.3

CUT = 0
FILL = 90
TOPSOIL = 0

267 + 50.00

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

FINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

FILE NAME = H:\P\29048\WD 10 SN048-00005 & 00006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg1.dgn

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USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

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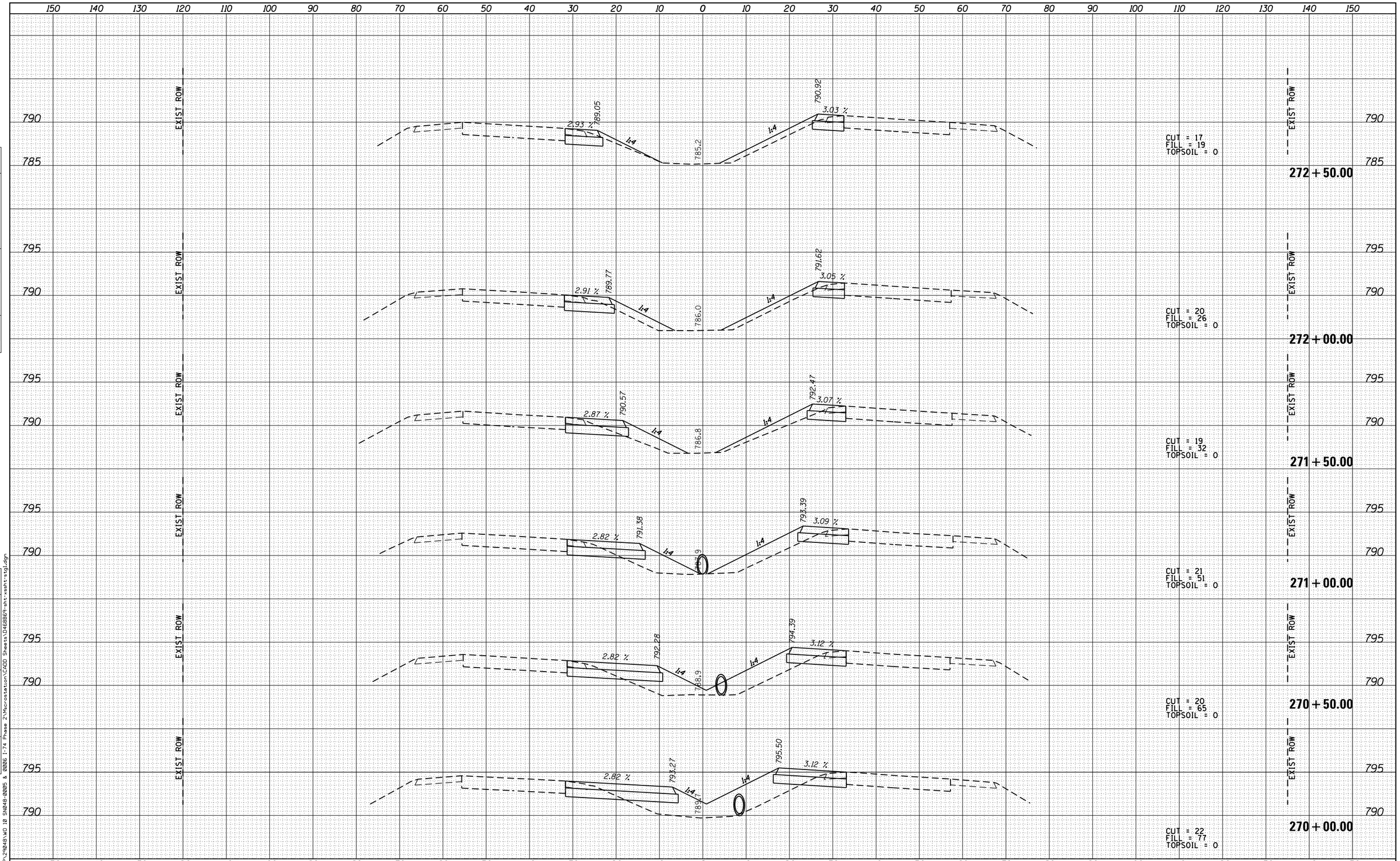
CROSS SECTIONS STAGE 1

SCALE: | SHEET 23 OF 25 SHEETS | STA. 267+50.00 | TO STA. 269+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T4	(48-26HVB)BR	KNOX	212	160
		CONTRACT NO. 68B69		
	ILLINOIS	FED. AID PROJECT		



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

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

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xsht-stg1.dgn

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	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 24 OF 25 SHEETS | STA. 270+00.00 TO STA. 272+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	161
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		

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

790
785
780

EXIST ROW

6.34 %
786.11
1:4
782.2

CUT = 9
FILL = 0
TOPSOIL = 0

275 + 00.00

3.00 %
786.76
1:4
782.5
1:4
1.78 %
788.69

CUT = 16
FILL = 15
TOPSOIL = 0

274 + 50.00

2.99 %
787.24
1:4
783.3
1:4
3.00 %
789.32

CUT = 16
FILL = 17
TOPSOIL = 0

274 + 00.00

2.97 %
787.78
1:4
783.8
1:4
3.00 %
789.72

CUT = 16
FILL = 13
TOPSOIL = 0

273 + 50.00

2.96 %
788.41
1:4
784.2
1:4
3.02 %
790.31

CUT = 15
FILL = 18
TOPSOIL = 0

273 + 00.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

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

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xsht-stg1.dgn

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USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 1

SCALE: | SHEET 25 OF 25 SHEETS | STA. 273+00.00 | TO STA.275+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	162
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

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

805
800
795

EXIST ROW

802.50
2.00 %
1:4

234 + 00.00

801.75
2.00 %
1:4

233 + 50.00

801.03
2.00 %
1:4

233 + 00.00

800.39
2.00 %

232 + 50.00

799.68
4.00 %

232 + 00.00

231 + 50.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

FILE NAME = H:\P\29848\WD 10 SN848-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xsshts-stg2.dgn

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USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: | SHEET 1 OF 25 SHEETS | STA. 231+50.00 TO STA. 234+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	163
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

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

EXIST ROW

810

805

800

2.00 % 809.92 1:4 1:4 809.80 1.74 % 810.15 1:8 1:16

237 + 00.00

3.07 % 808.56 1:4 1:4 808.32 1.72 % 808.66 1:7 1:11

236 + 50.00

806.82 1.70 % 807.16 1:4 1:4

236 + 00.00

805.36 1.70 % 805.70 805.58 4.00 %

235 + 50.00

1:4 804.31 1.80 %

235 + 00.00

1:4 805.36 2.00 %

234 + 50.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

FILE NAME = H:\P\29048\WO 10 SN048-8005 & 8006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xssht-stg2.dgn

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USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
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CROSS SECTIONS STAGE 2

SCALE: | SHEET 2 OF 25 SHEETS | STA. 234+50.00 | TO STA. 237+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	164
		CONTRACT NO. 68B69		
		ILLINOIS	FED. AID PROJECT	

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

820 815 810

EXIST ROW

1.79 %
817.72
1:4

239 + 50.00

1.79 %
816.34
1:4

239 + 00.00

1.79 %
814.91
1:4

238 + 50.00

2.00 %
813.02
1:4
1:4
813.01
1.77 %
813.37
1:4

238 + 00.00

0.00 %
811.45
1:4
1:4
811.43
1.76 %
811.78
1:10
1:17

237 + 50.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

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

FILE NAME = H:\P\29048\WD 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg2.dgn

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USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

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CROSS SECTIONS STAGE 2

SCALE: | SHEET 3 OF 25 SHEETS | STA. 237+50.00 | TO STA. 239+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	165
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

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

825
820

EXIST ROW

2.15 %
824.03
1:4
1:4
242 + 00.00

825
820

EXIST ROW

2.15 %
822.93
1:4
241 + 50.00

825
820

EXIST ROW

2.00 %
821.62
1:4
241 + 00.00

825
820

EXIST ROW

1.79 %
820.31
1:4
240 + 50.00

825
820
815

EXIST ROW

1.79 %
819.03
1:4
240 + 00.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

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

FILE NAME = H:\P\29848\WD 10 SN048-00005 & 00006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xssht-stg2.dgn

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USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: | SHEET 4 OF 25 SHEETS | STA. 240+00.00 TO STA. 242+00.00

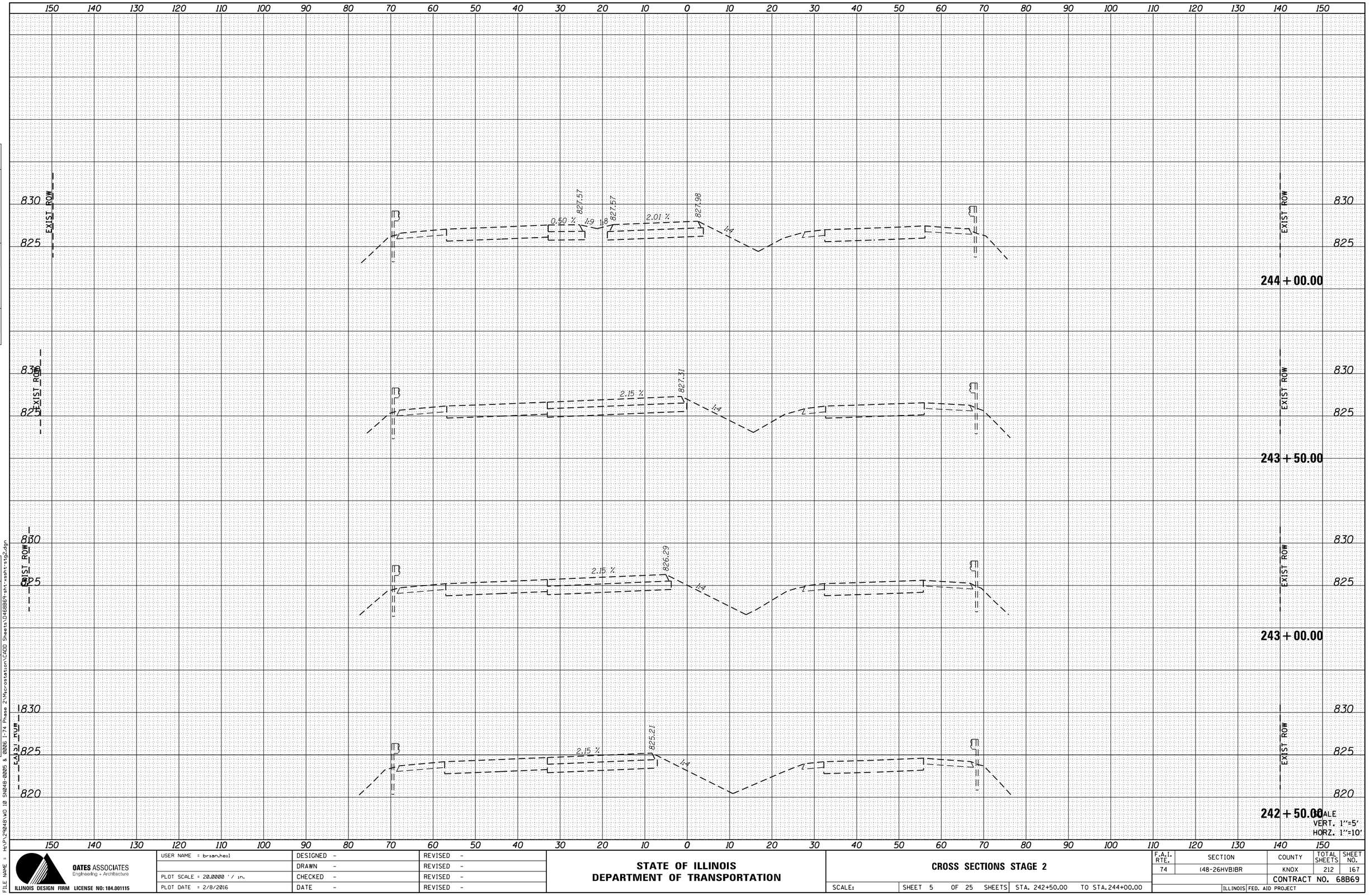
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T4	(48-26HVB)BR	KNOX	212	166
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

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

BY	DATE

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

BY	DATE



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ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianheil	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/8/2016	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

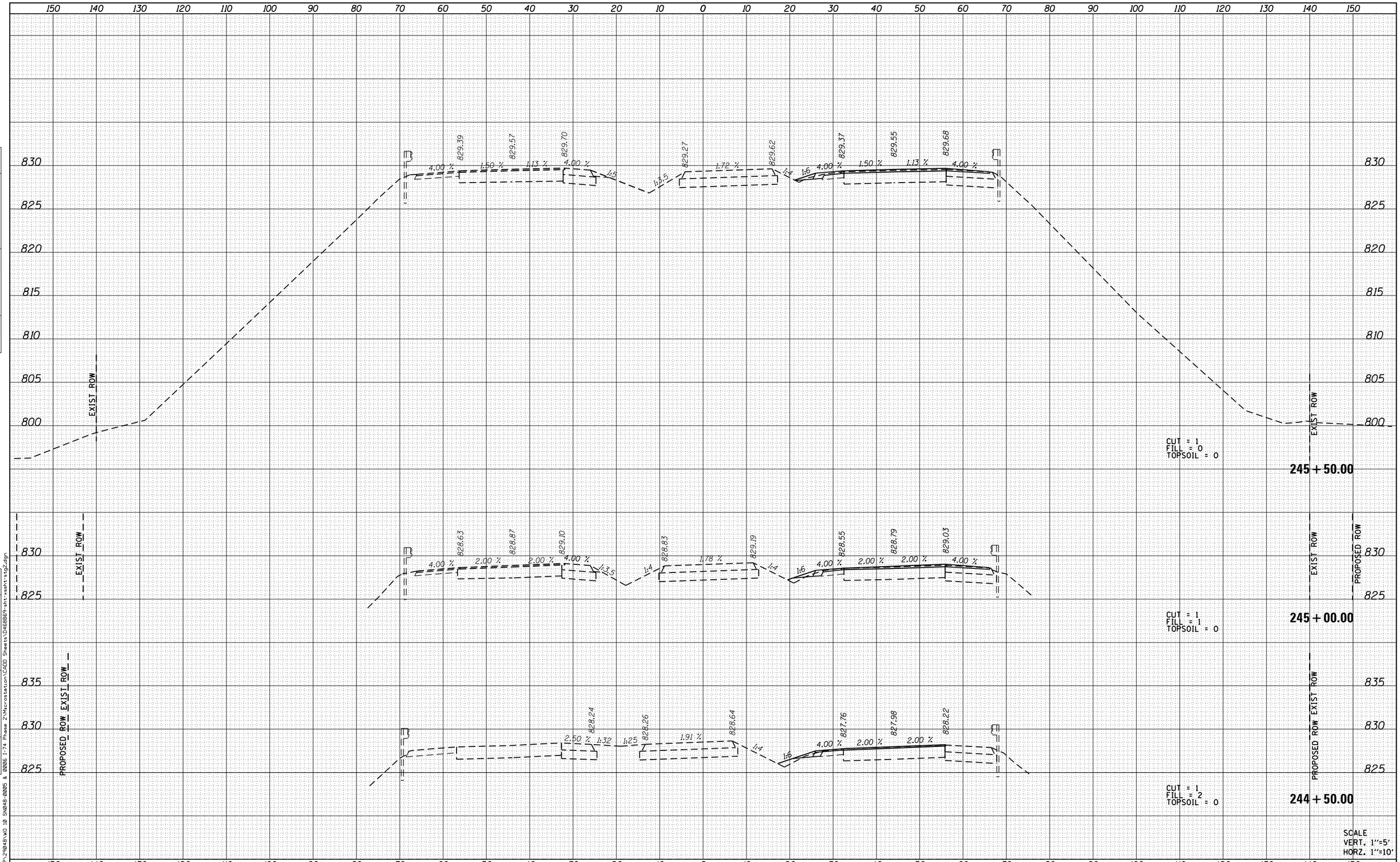
SCALE: | SHEET 5 OF 25 SHEETS | STA. 242+50.00 | TO STA. 244+00.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	167
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

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

FILE NAME = H:\P\29848\WD 10 SN848-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D46B869-sht-xsshts-stg2.dgn



OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

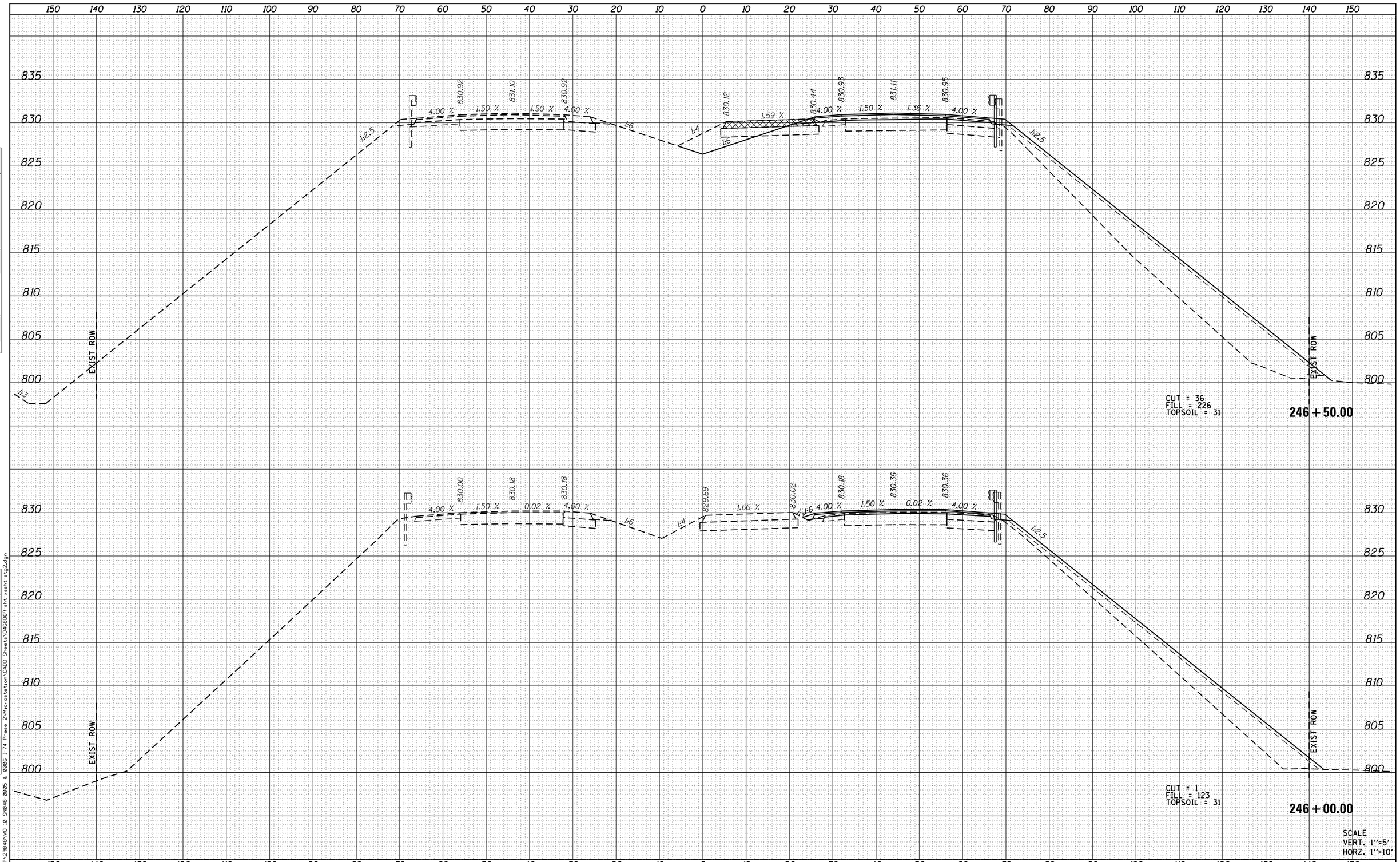
USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: | SHEET 6 OF 25 SHEETS | STA. 244+50.00 | TO STA. 245+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	168
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



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

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

FILE NAME = N:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg2.dgn

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ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

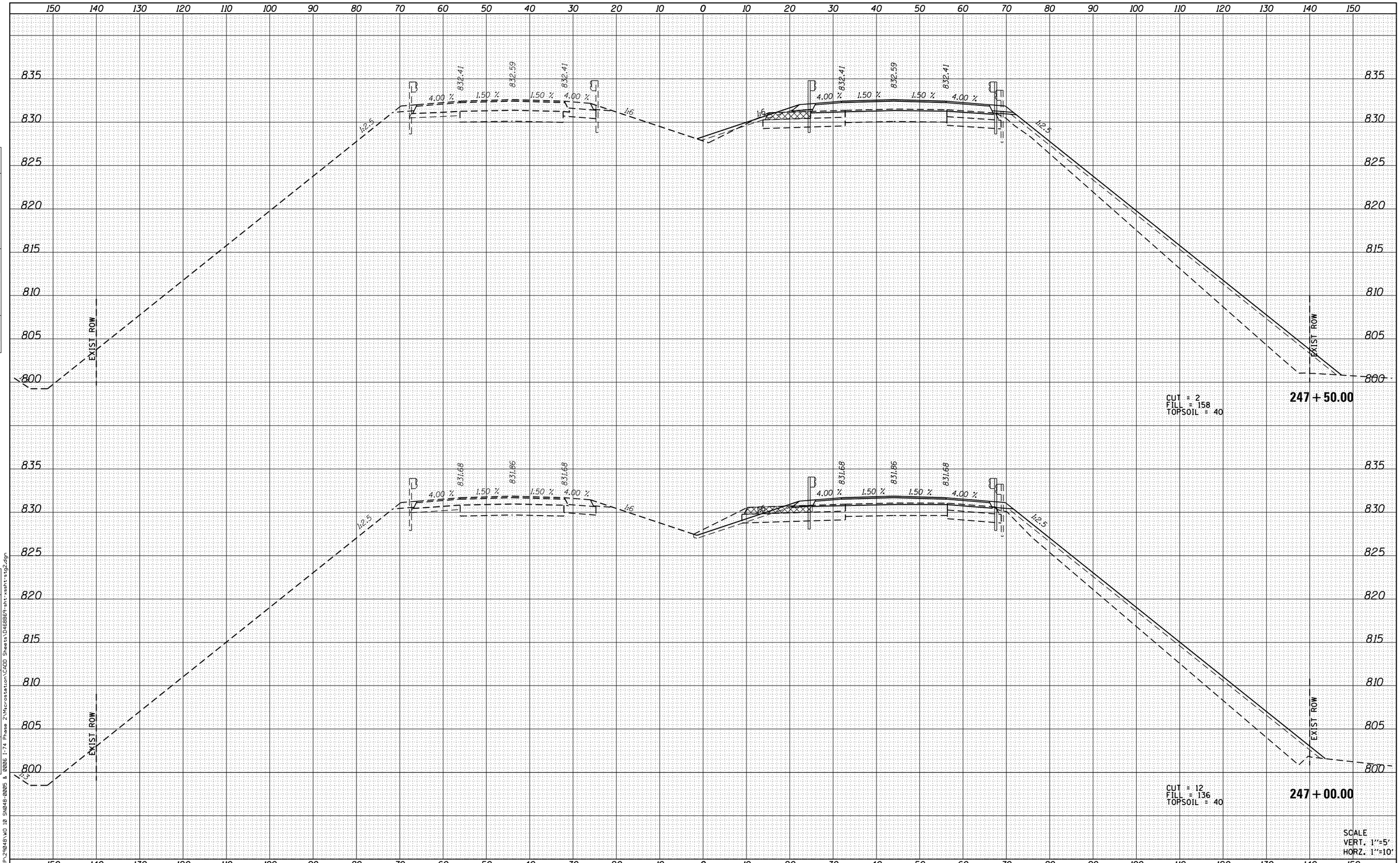
CROSS SECTIONS STAGE 2

SCALE: | SHEET 7 OF 25 SHEETS | STA. 246+00.00 TO STA. 246+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	169
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		

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

BY	DATE



SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

BY	DATE

FILE NAME = H:\P\29048\WO 10 SN048-8005 & 8006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xssht-stg2.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

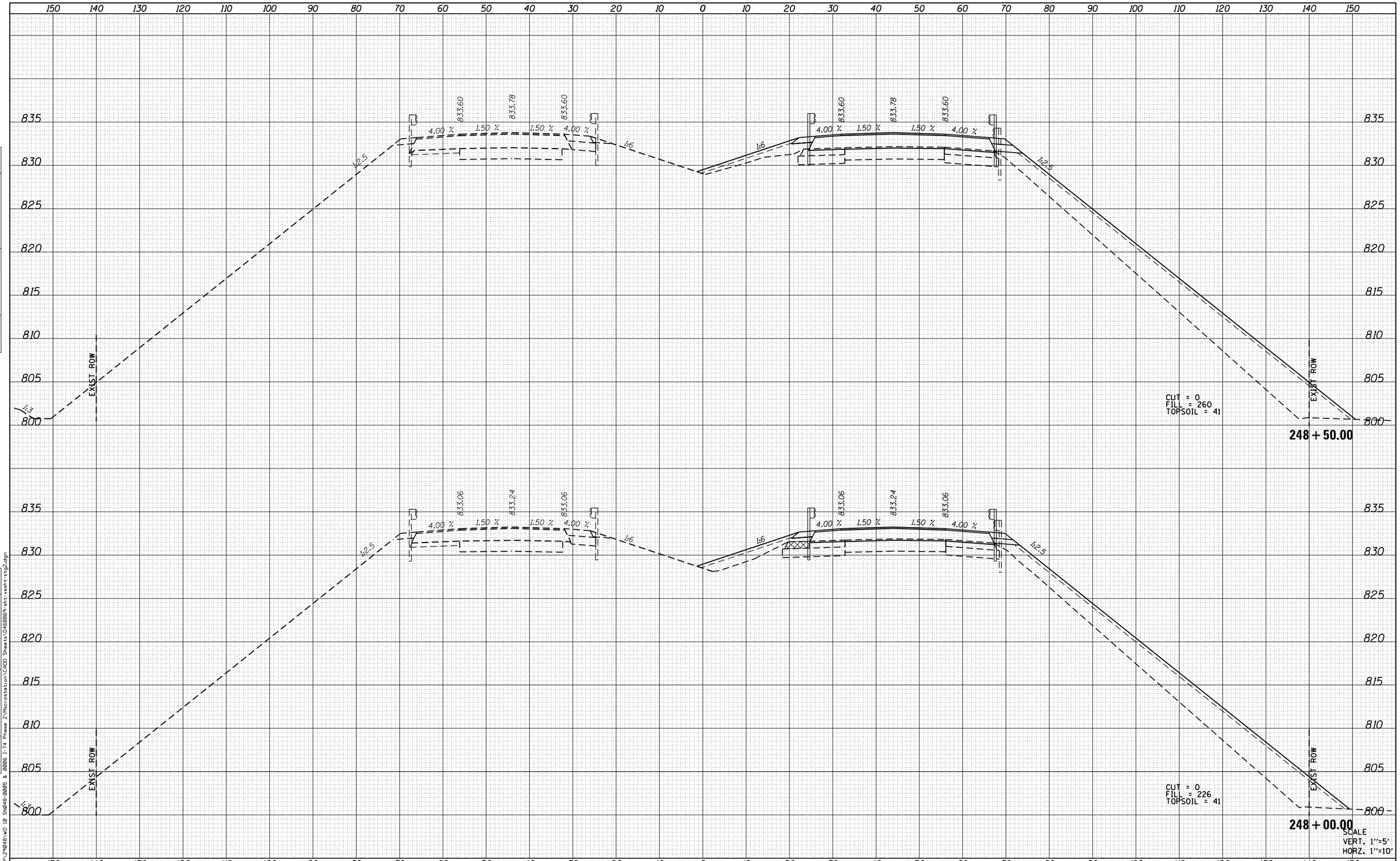
USER NAME = brianchell	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: | SHEET 8 OF 25 SHEETS | STA. 247+00.00 TO STA. 247+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	170
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg2.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

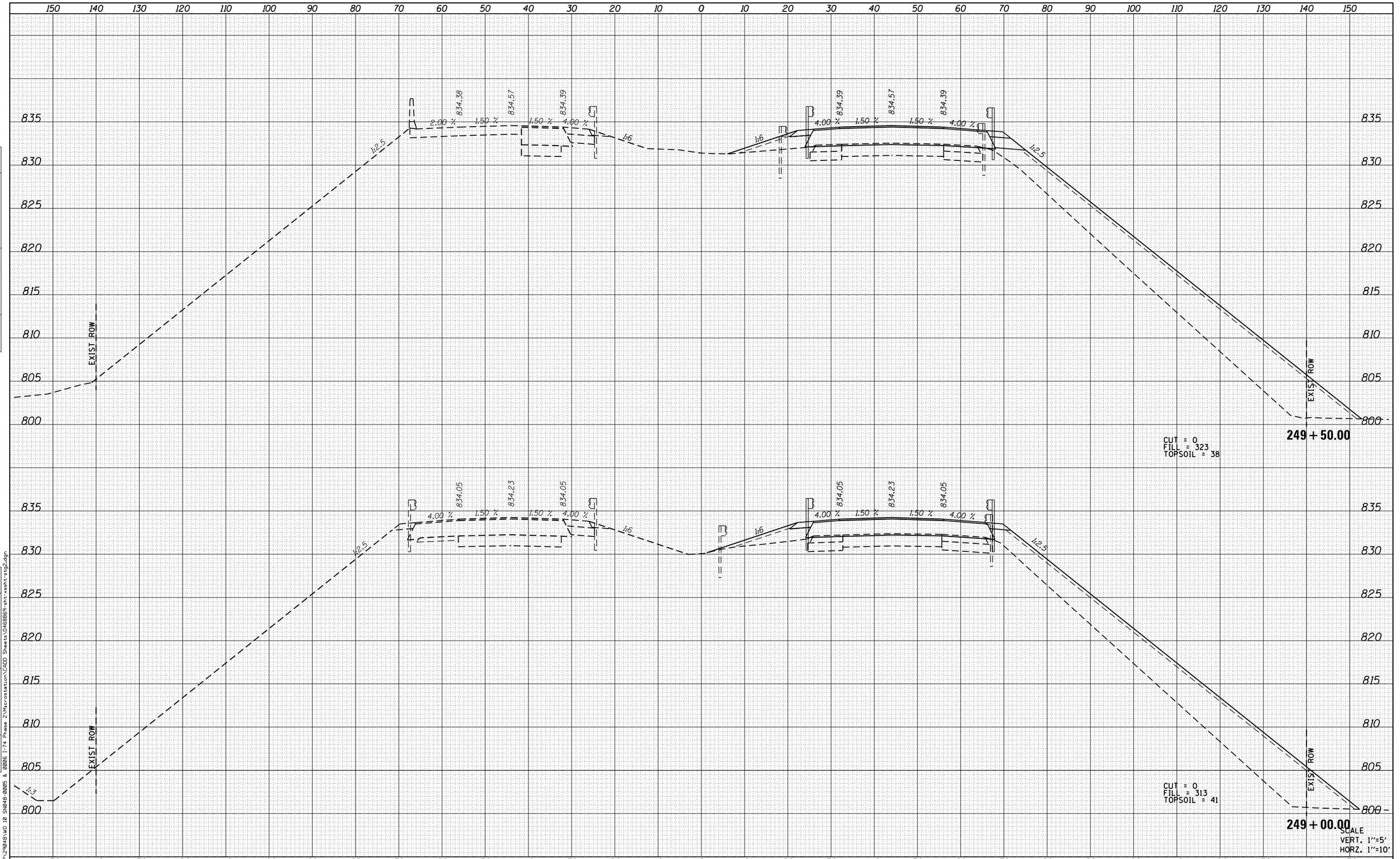
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: | SHEET 9 OF 25 SHEETS | STA. 248+00.00 TO STA. 248+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	171
		CONTRACT NO. 68B69		
		ILLINOIS	FED. AID PROJECT	



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

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

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg2.dgn

OATES ASSOCIATES
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ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

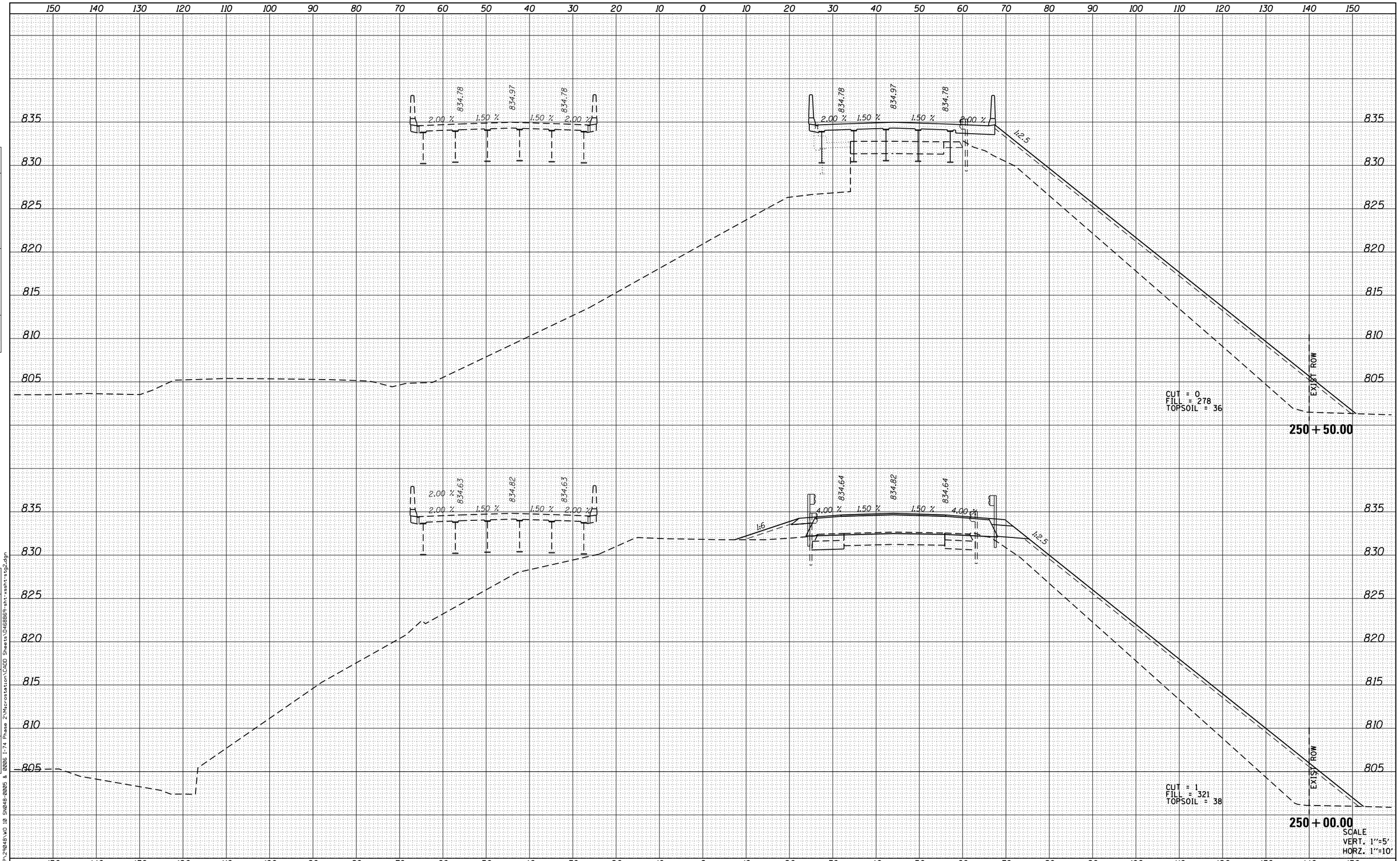
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: | SHEET 10 OF 25 SHEETS | STA. 249+00.00 TO STA. 249+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	172
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY

NO.	BY	DATE
NOTE BOOK		
AREAS		
AREAS CHECKED		

SURVEYED
PLOTTED
TEMPLATE

ORIGINAL SURVEY

NO.	BY	DATE
NOTE BOOK		
AREAS		
AREAS CHECKED		

SURVEYED
PLOTTED
TEMPLATE

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg2.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

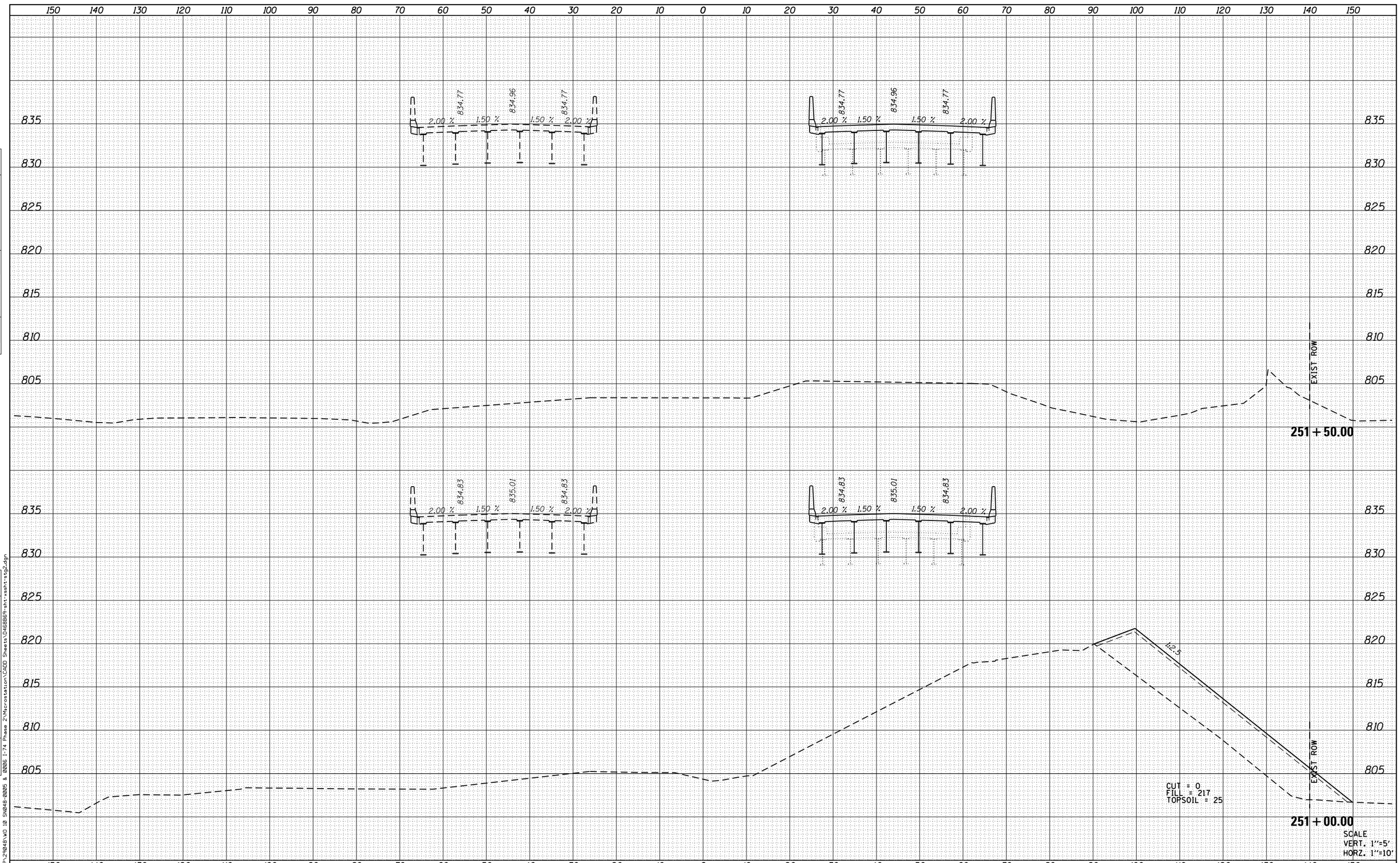
CROSS SECTIONS STAGE 2

SCALE: | SHEET 11 OF 25 SHEETS | STA. 250+00.00 TO STA. 250+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	173
		CONTRACT NO. 68B69		
		ILLINOIS	FED. AID PROJECT	

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

BY	DATE



SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

BY	DATE

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg2.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

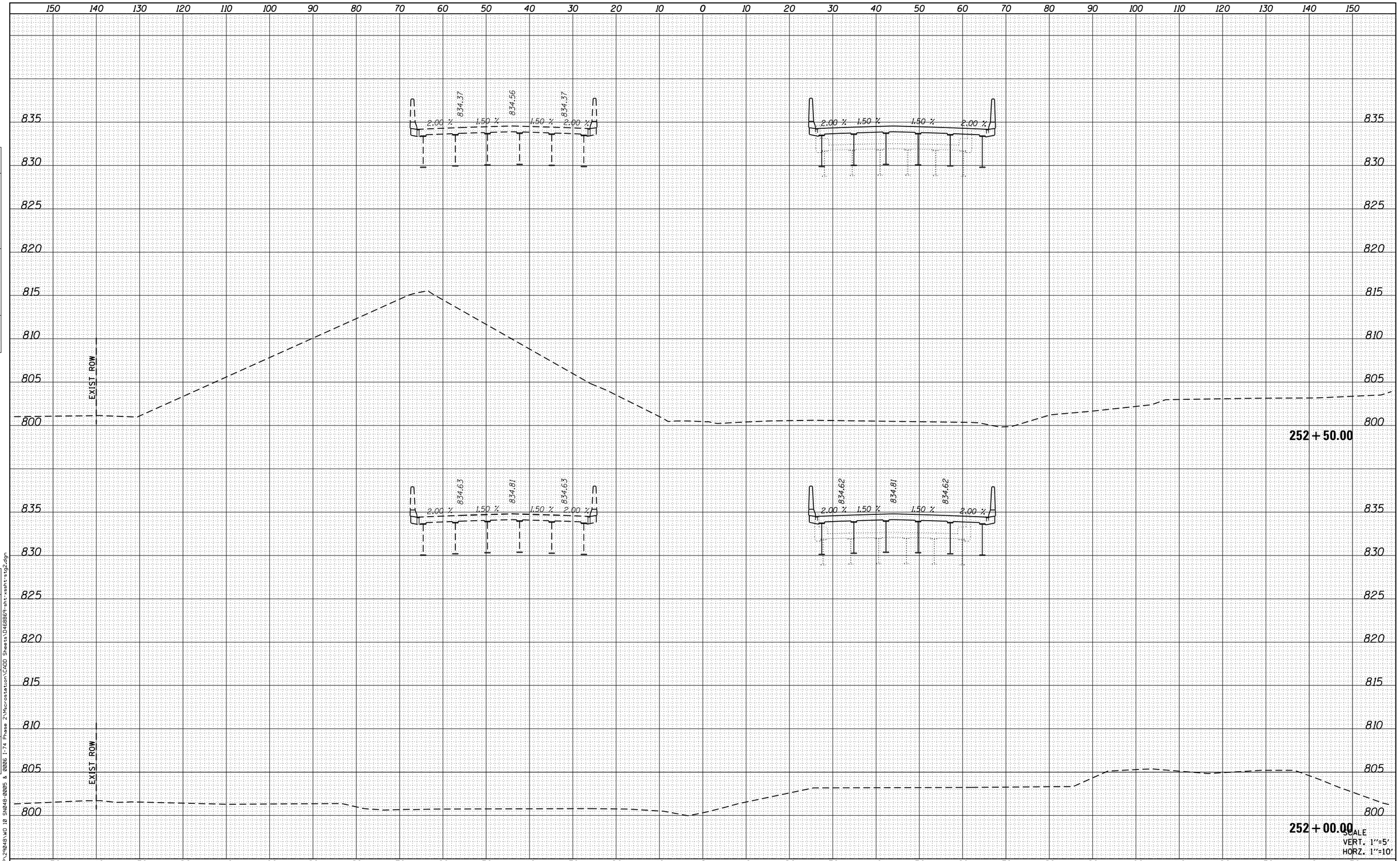
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: | SHEET 12 OF 25 SHEETS | STA. 251+00.00 | TO STA. 251+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	174
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		

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



SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg2.dgn

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Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

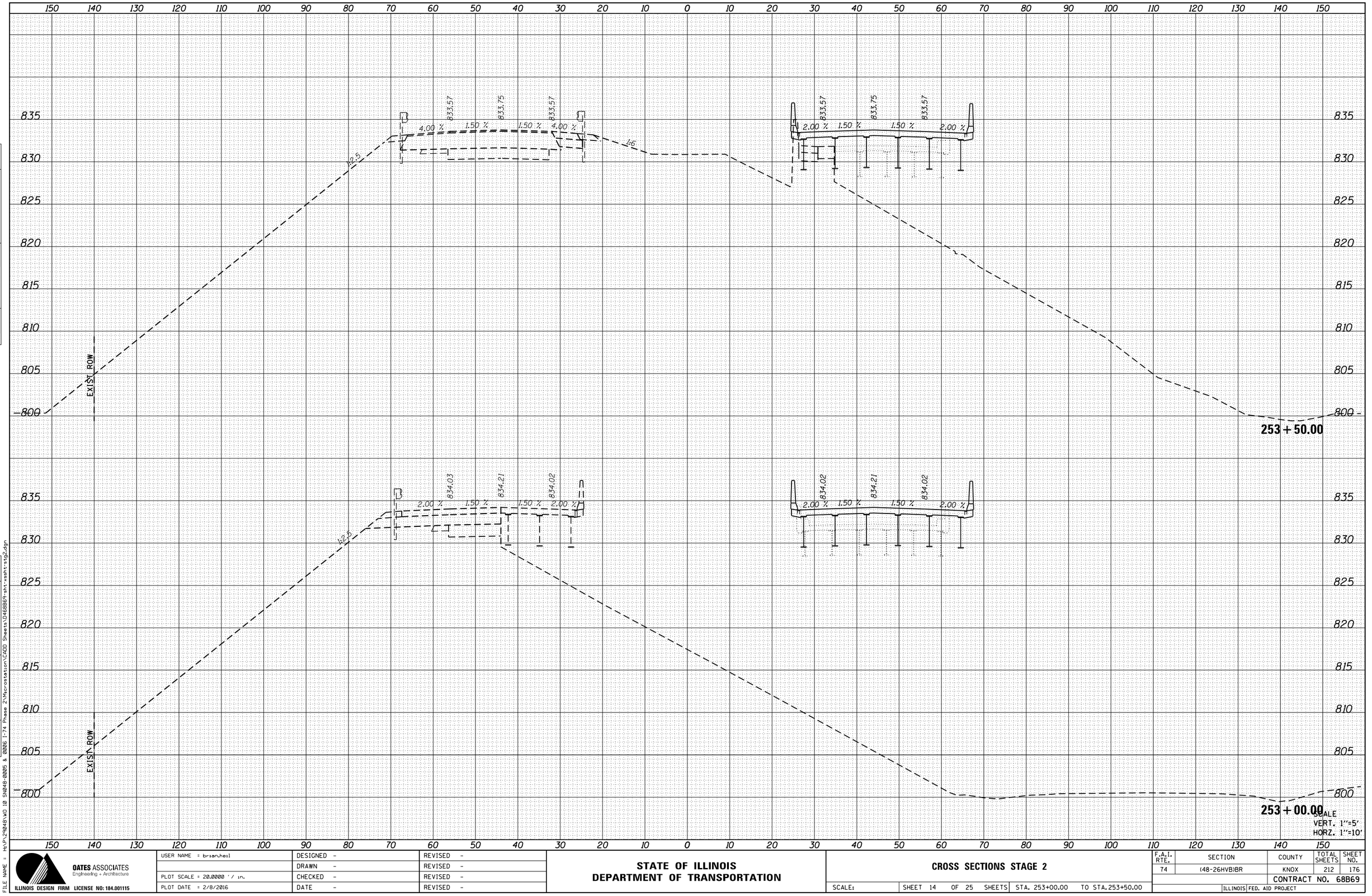
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: | SHEET 13 OF 25 SHEETS | STA. 252+00.00 TO STA. 252+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	175
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		



SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

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OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brian.heil	DESIGNED -	REVISED -
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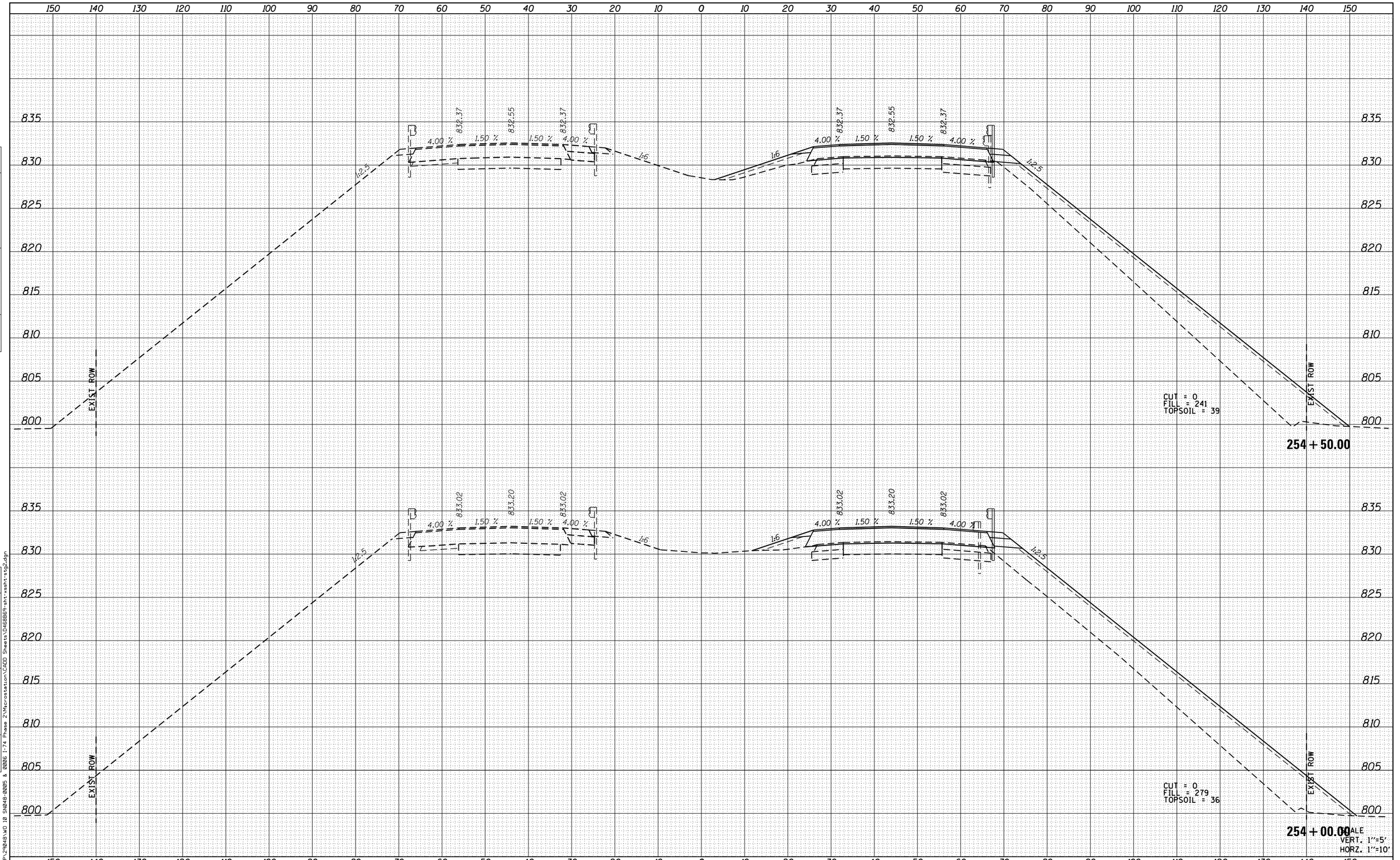
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: | SHEET 14 OF 25 SHEETS | STA. 253+00.00 TO STA. 253+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	176
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

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OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

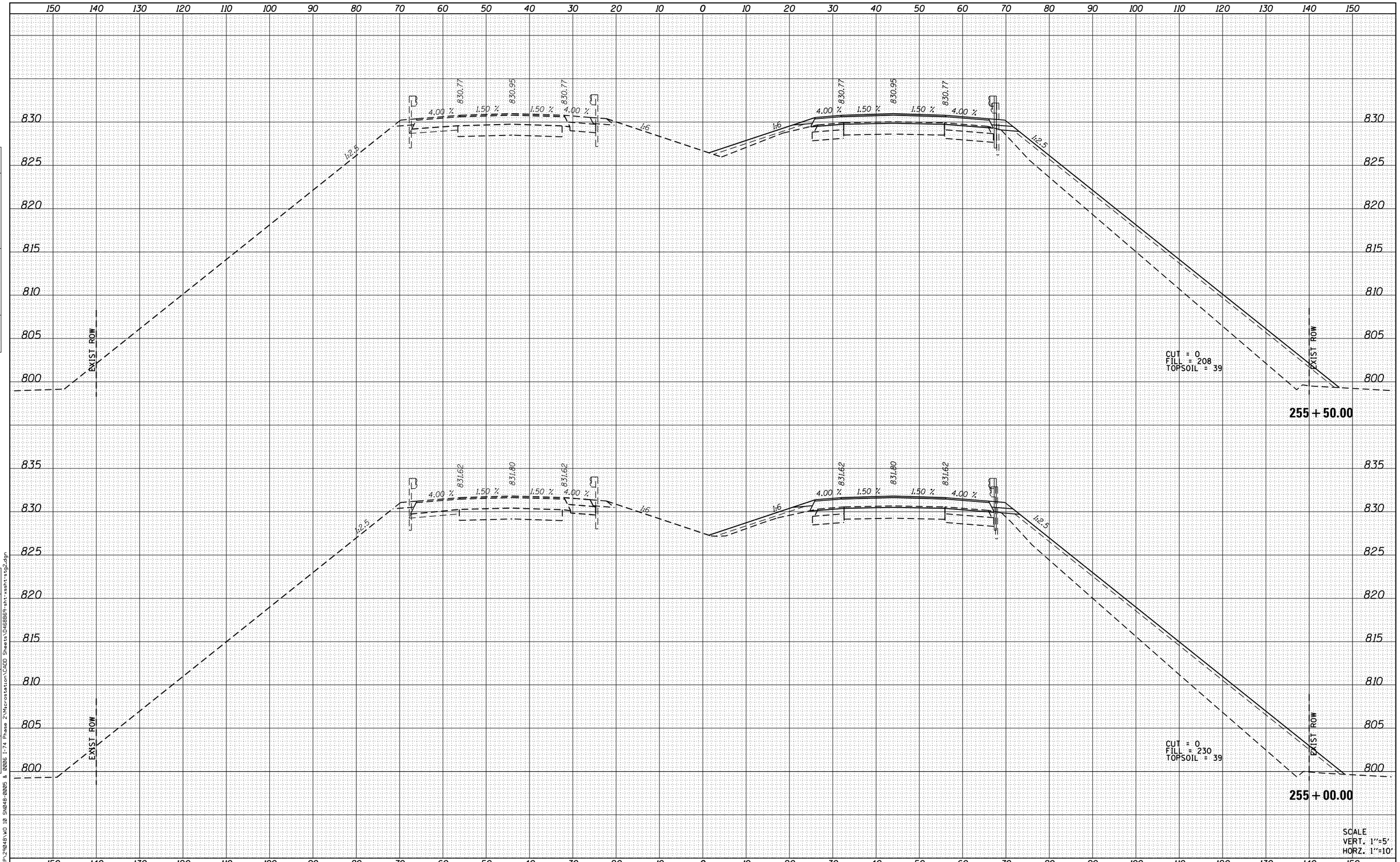
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: HORZ. 1"=10'
VERT. 1"=5'

SHEET 15 OF 25 SHEETS STA. 254+00.00 TO STA. 254+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	177
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		



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

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

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OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

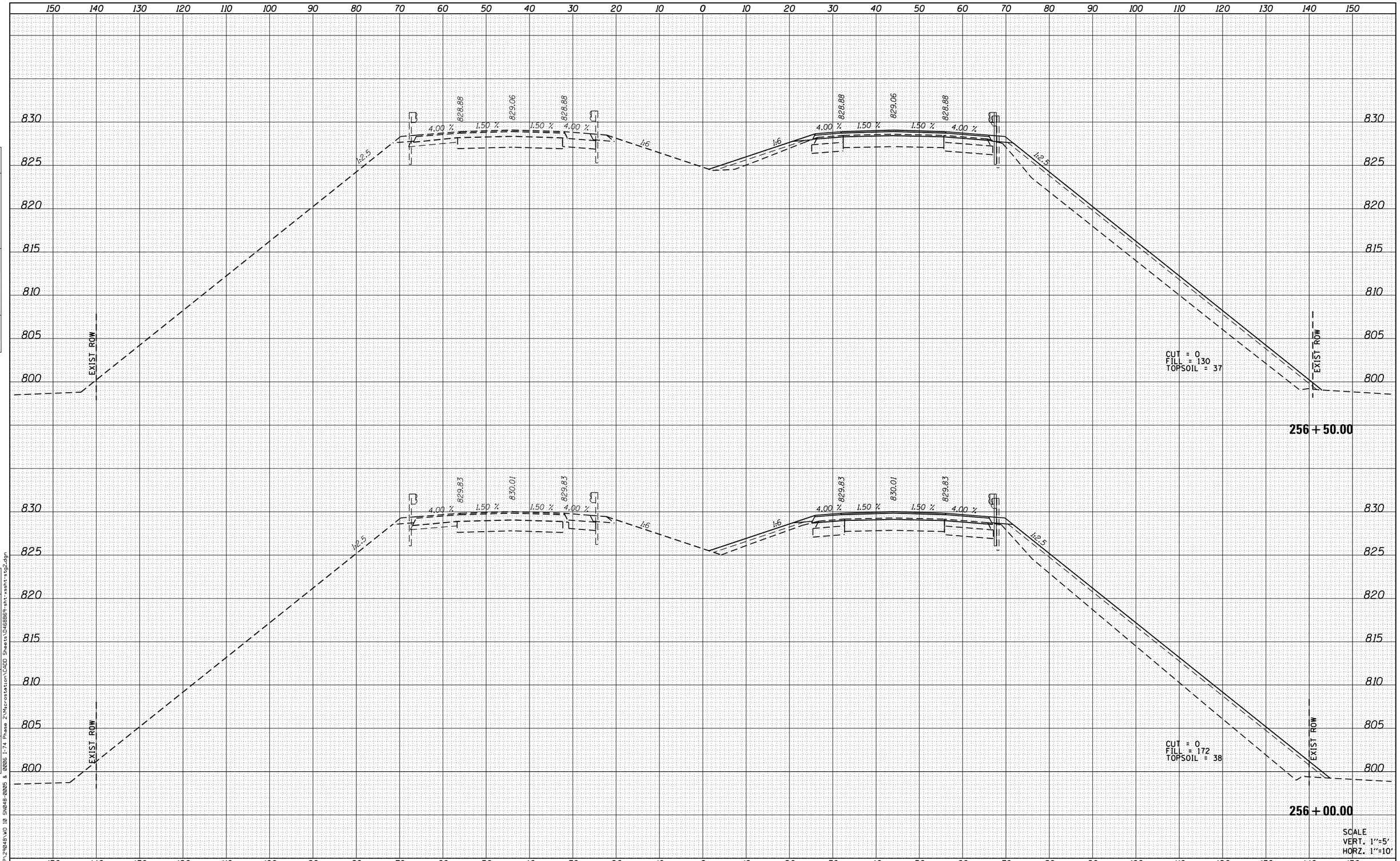
USER NAME = brianchell	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: | SHEET 16 OF 25 SHEETS | STA. 255+00.00 | TO STA. 255+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	178
		CONTRACT NO. 68B69		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY

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

ORIGINAL SURVEY

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

FILE NAME = N:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg2.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brian.heil	DESIGNED -	REVISED -
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PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

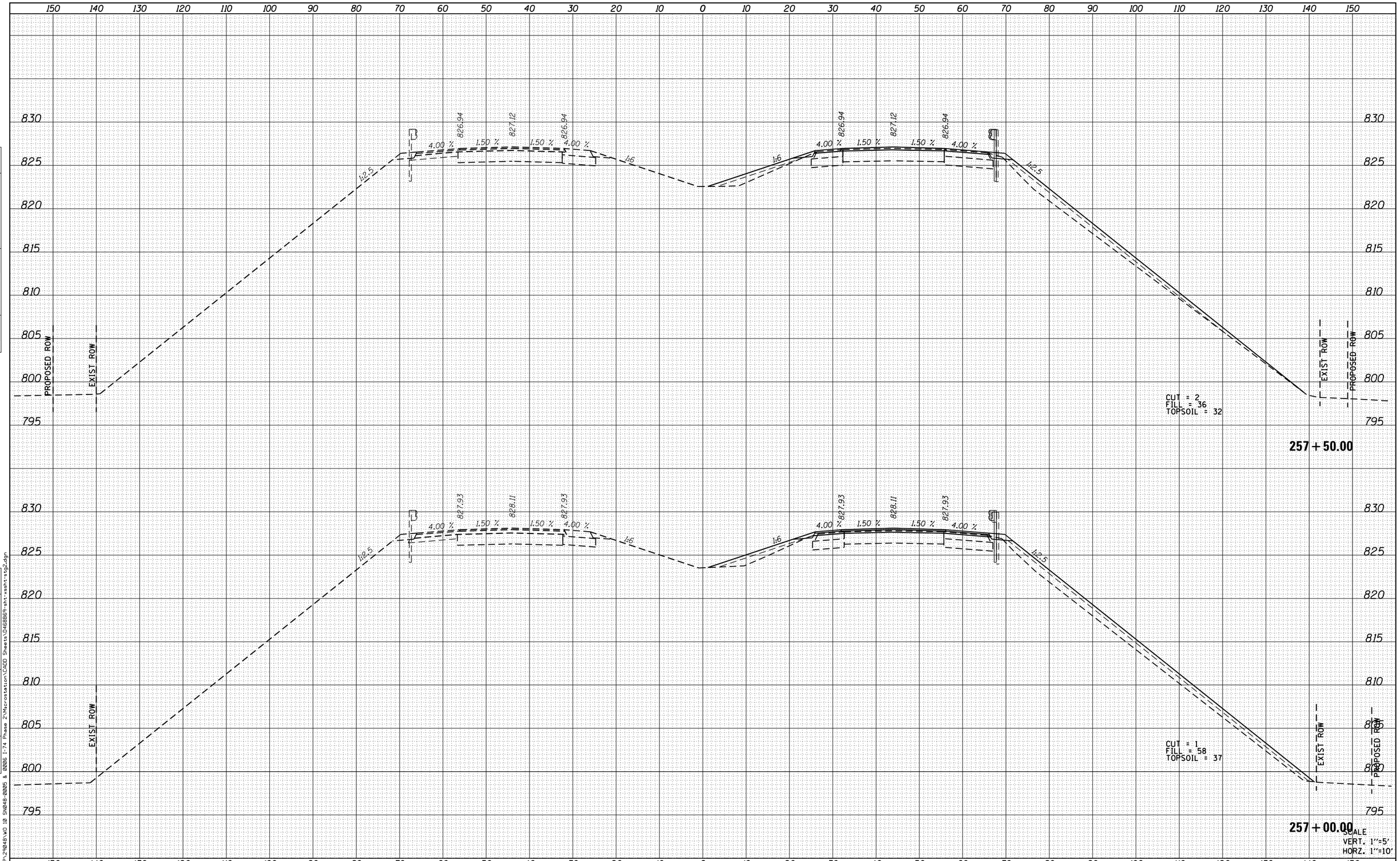
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: SHEET 17 OF 25 SHEETS STA. 256+00.00 TO STA. 256+50.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	179
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

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OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

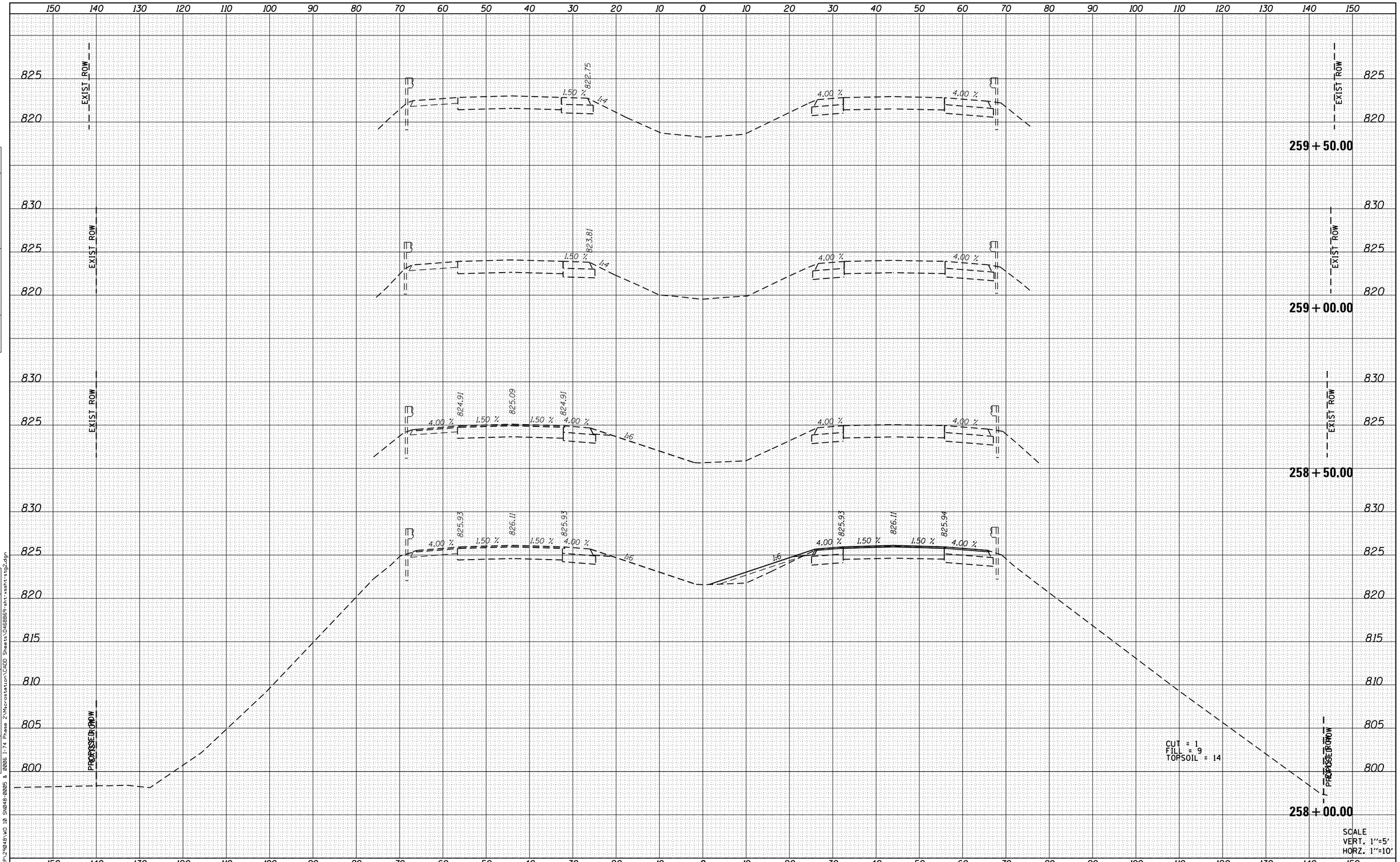
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: | SHEET 18 OF 25 SHEETS | STA. 257+00.00 TO STA. 257+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	180
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY — NOTE BOOK — NO.

	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY — NOTE BOOK — NO.

	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: | SHEET 19 OF 25 SHEETS | STA. 258+00.00 TO STA. 259+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	181
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

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

820
815
EXIST ROW
1.71 %
816.38
1:4
1:4
816.46
1.68 %
4.00 %
EXIST ROW
820
815
262 + 00.00

820
815
EXIST ROW
1.68 %
817.79
1:4
1:4
817.87
1.67 %
4.00 %
EXIST ROW
820
815
261 + 50.00

825
820
815
EXIST ROW
1.61 %
819.17
1:4
1:4
819.20
1.61 %
4.00 %
EXIST ROW
825
820
815
261 + 00.00

825
820
EXIST ROW
1.55 %
820.45
1:4
1:4
820.43
1.55 %
4.00 %
EXIST ROW
825
820
260 + 50.00

825
820
EXIST ROW
1.50 %
821.64
1:4
1:4
821.47
4.00 %
4.00 %
EXIST ROW
825
820
260 + 00.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

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

FILE NAME = H:\P\29848\WD 10 SN848-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xsshts-stg2.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

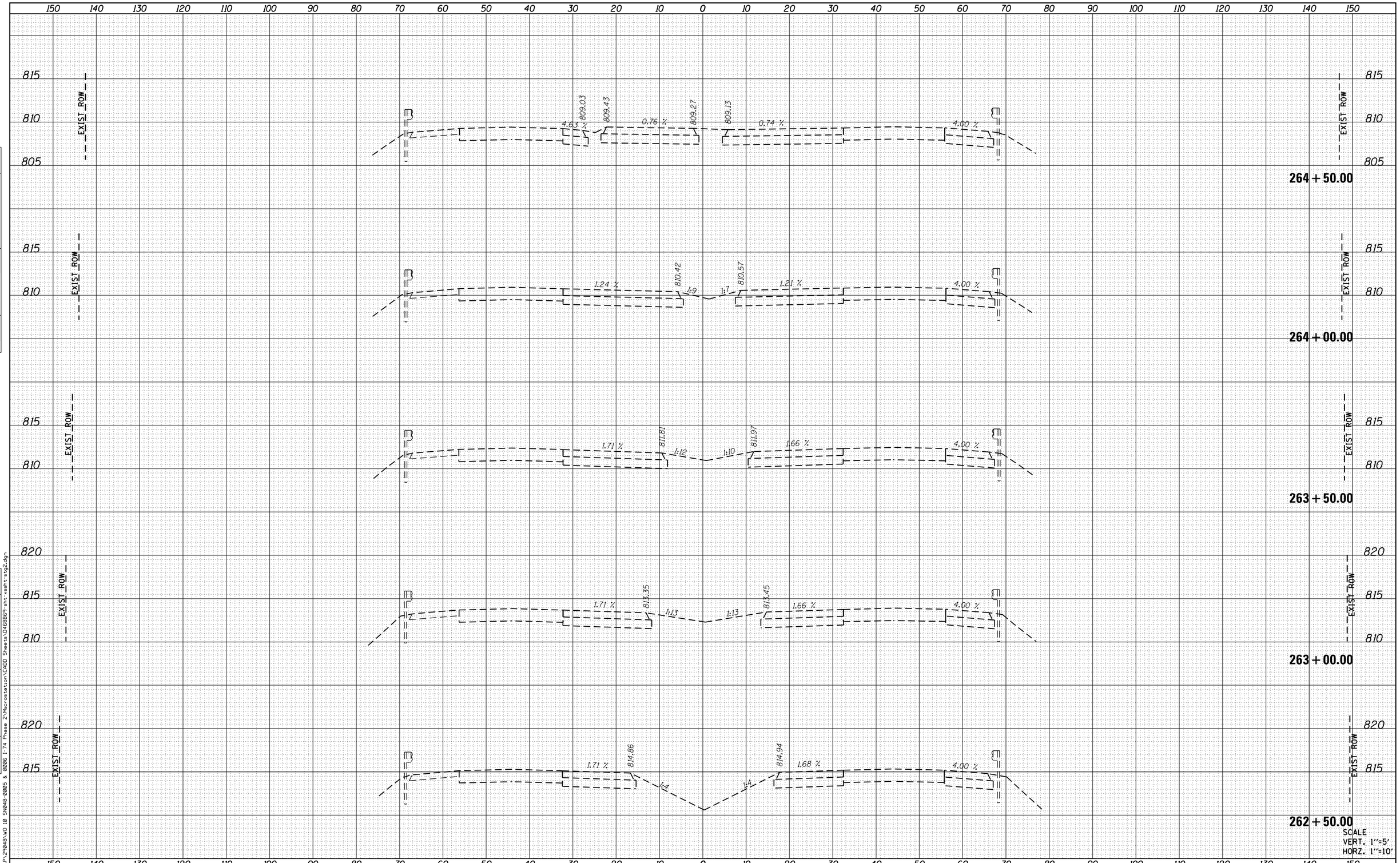
CROSS SECTIONS STAGE 2

SCALE: | SHEET 20 OF 25 SHEETS | STA. 260+00.00 | TO STA. 262+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	182
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		

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

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



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ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: | SHEET 21 OF 25 SHEETS | STA. 262+50.00 TO STA. 264+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	183
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		

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

805
800

EXIST ROW

802.51
1.08 %
802.24
1:4
1:4

EXIST ROW

805
800

267 + 00.00

805
800

EXIST ROW

803.86
0.78 %
803.69
1:4
1:4

EXIST ROW

805
800

266 + 50.00

810
805

EXIST ROW

805.20
0.43 %
805.07
4.00 %
1:4
1:4

EXIST ROW

810
805

266 + 00.00

810
805

EXIST ROW

806.50
0.11 %
806.47
4.00 %
1:4
1:4

EXIST ROW

810
805

265 + 50.00

810
805

EXIST ROW

807.77
0.22 %
807.86
5.04 %
807.53
4.00 %
1:4
1:4

EXIST ROW

810
805

265 + 00.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

BY	DATE

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

BY	DATE

FILE NAME = H:\P\29848\WD 10 SN848-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468B869-sht-xsshts-stg2.dgn

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ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: | SHEET 22 OF 25 SHEETS | STA. 265+00.00 TO STA. 267+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	184
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		

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

EXIST ROW

795
800
795

269 + 50.00

794.87 795.30 2.58 % 794.79 1:4 796.41 2.70 %

269 + 00.00

797.04 1.90 % 796.66 1:4 797.30 2.06 %

800
795

268 + 50.00

798.60 1.43 %

268 + 00.00

799.90 1.96 % 799.15 798.85

800
795

267 + 50.00

801.12 1.50 % 800.64

805
800

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

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

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xsht-stg2.dgn

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USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: | SHEET 23 OF 25 SHEETS | STA. 267+50.00 TO STA. 269+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	185
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

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

790 — EXIST ROW — EXIST ROW — 790

2.93 % — 789.05 — 1:4 — 1:4 — 790.92 — 3.03 % — 1:4

272 + 50.00

795 — EXIST ROW — EXIST ROW — 795

790 — EXIST ROW — EXIST ROW — 790

2.91 % — 789.77 — 1:4 — 1:4 — 791.62 — 3.05 % — 1:4

272 + 00.00

795 — EXIST ROW — EXIST ROW — 795

790 — EXIST ROW — EXIST ROW — 790

2.87 % — 790.57 — 1:4 — 1:4 — 792.47 — 3.07 % — 1:4

271 + 50.00

795 — EXIST ROW — EXIST ROW — 795

790 — EXIST ROW — EXIST ROW — 790

2.82 % — 791.38 — 1:4 — 1:4 — 793.39 — 3.09 % — 1:4

271 + 00.00

795 — EXIST ROW — EXIST ROW — 795

790 — EXIST ROW — EXIST ROW — 790

2.82 % — 792.28 — 1:4 — 1:4 — 794.39 — 3.12 % — 1:4

270 + 50.00

795 — EXIST ROW — EXIST ROW — 795

790 — EXIST ROW — EXIST ROW — 790

2.82 % — 793.27 — 1:4 — 1:4 — 795.50 — 3.12 % — 1:4

270 + 00.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

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

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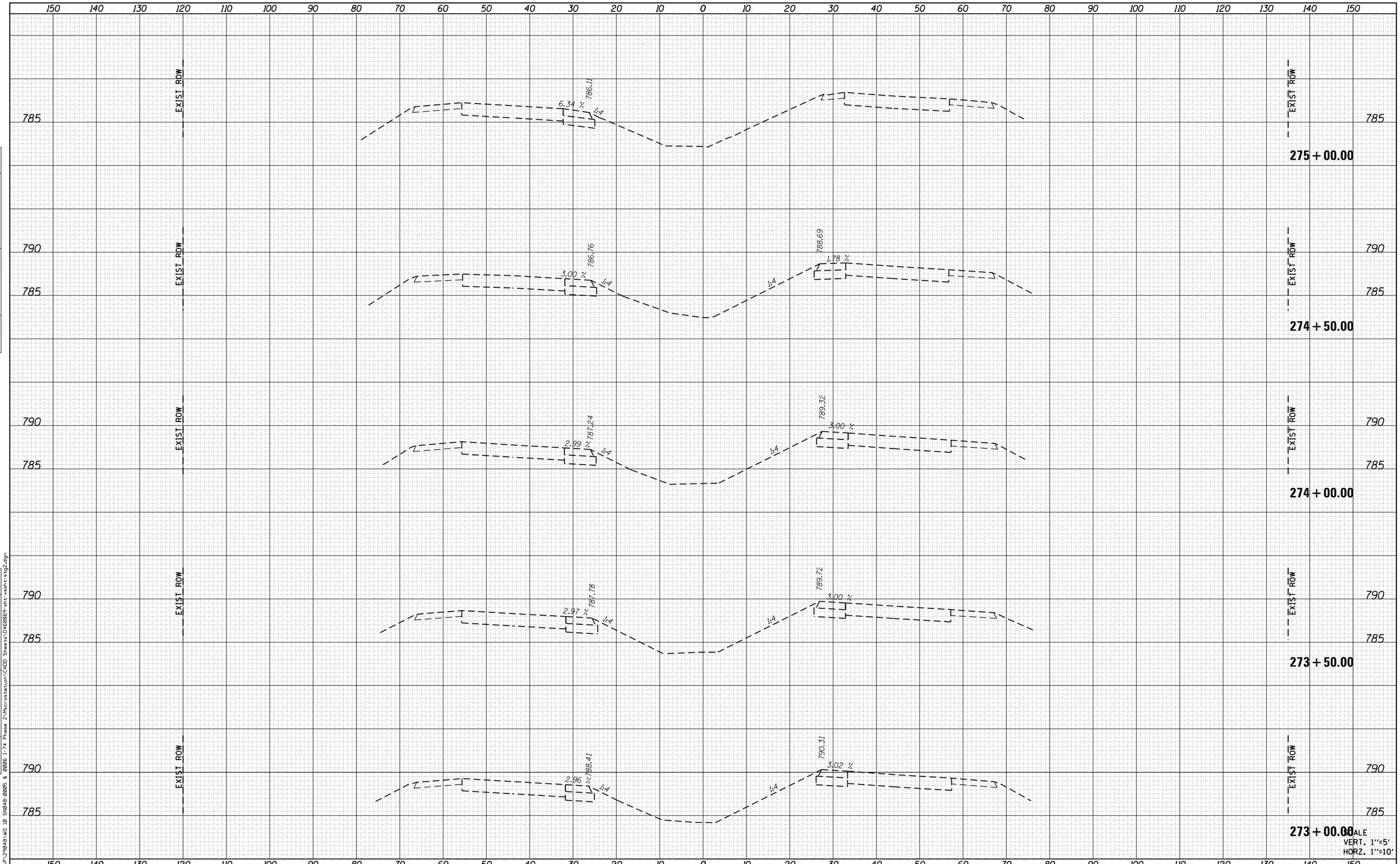
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: | SHEET 24 OF 25 SHEETS | STA. 270+00.00 TO STA. 272+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	186
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY

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

ORIGINAL SURVEY

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

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SCALE
VERT. 1"=5'
HORZ. 1"=10'

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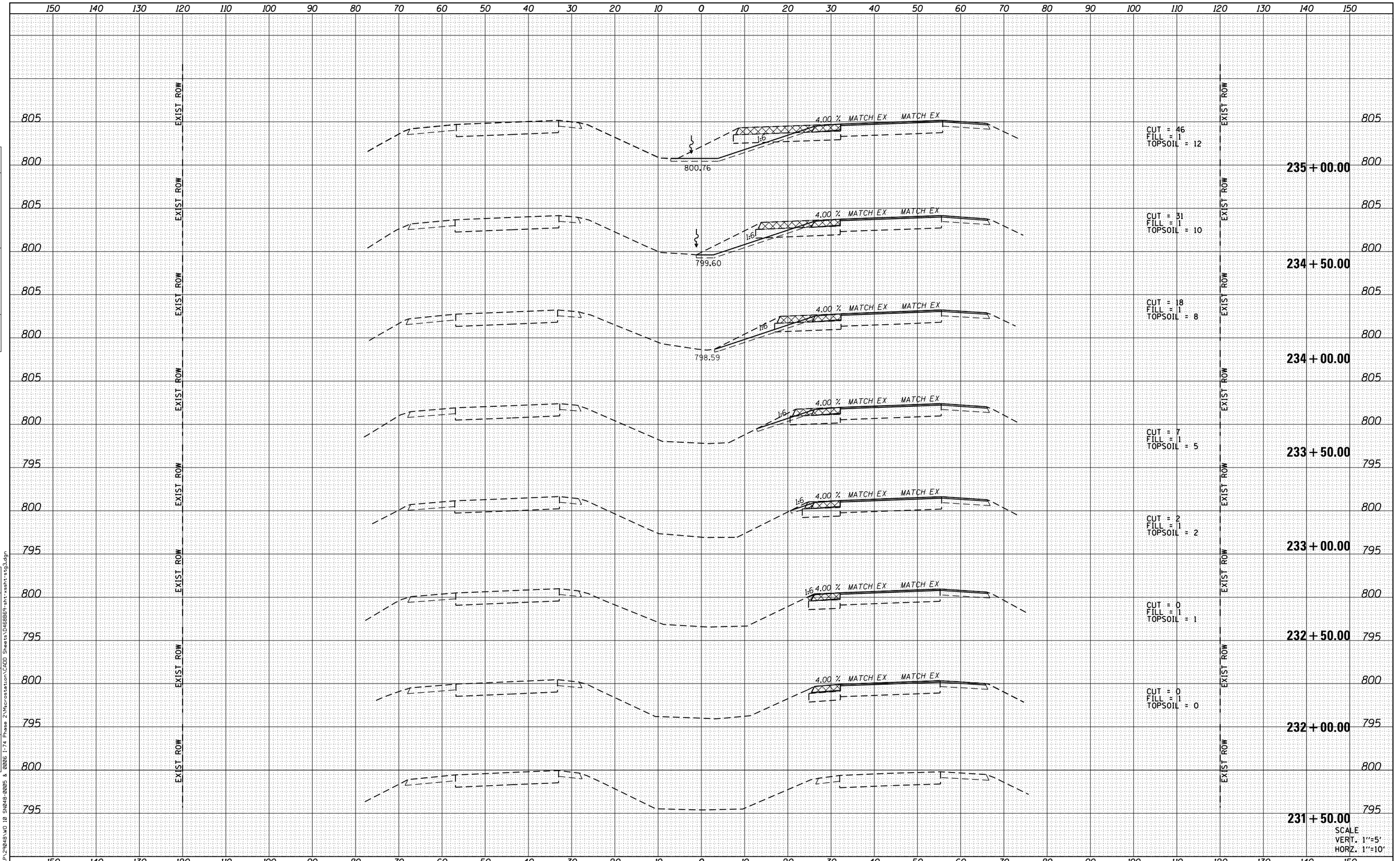
USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 2

SCALE: | SHEET 25 OF 25 SHEETS | STA. 273+00.00 | TO STA.275+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	187
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



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

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

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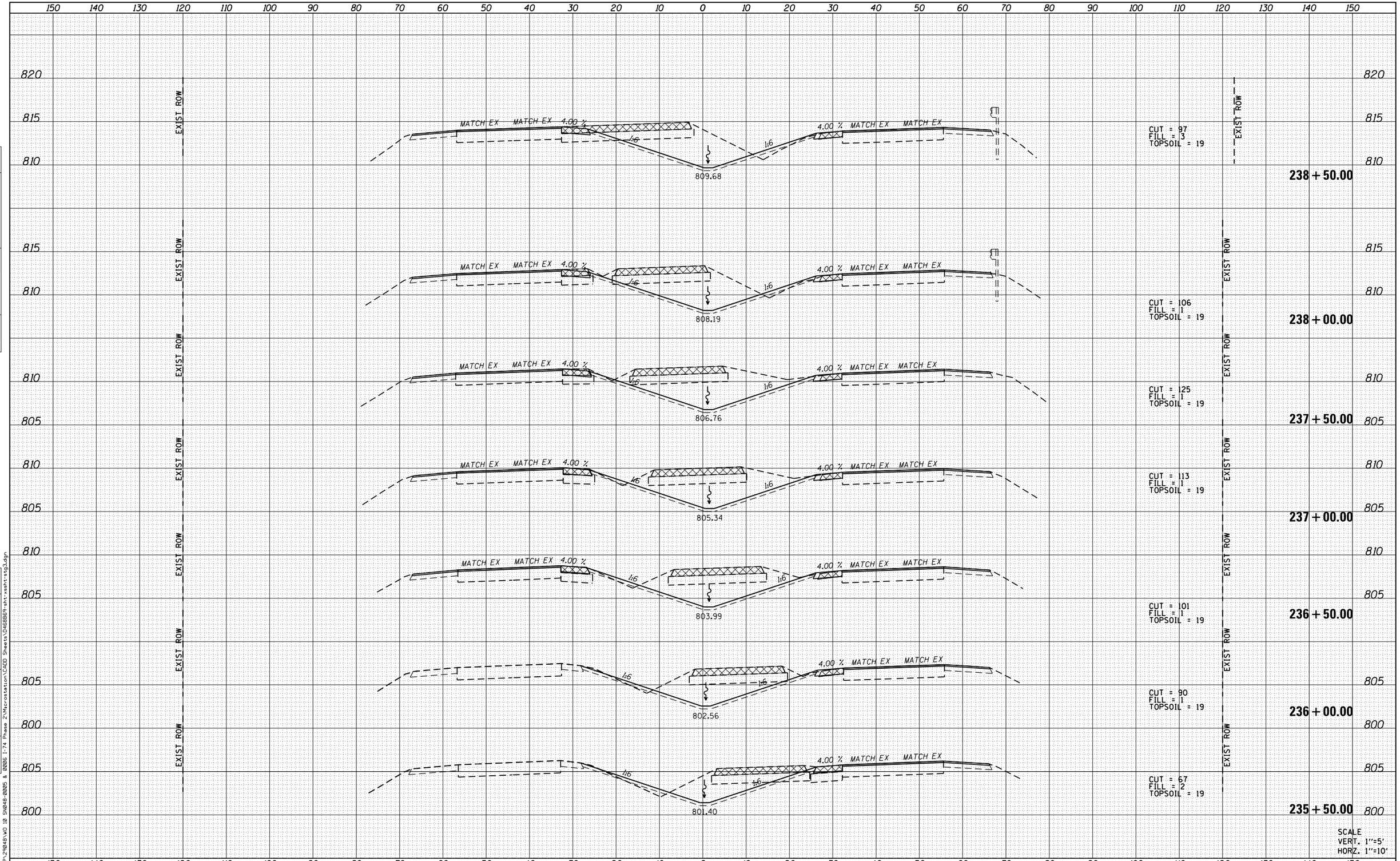
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 1 OF 25 SHEETS | STA. 231+50.00 TO STA. 235+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	188
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



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

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

FILE NAME = H:\P\29848\VO 10 SN048-00005 & 00061-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg3.dgn

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USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 2 OF 25 SHEETS | STA. 235+50.00 TO STA. 238+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	189
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

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

825
820
EXIST ROW
MATCH EX MATCH EX 4.00 %
1:6
816.48
4.00 % MATCH EX MATCH EX
1:6
EXIST ROW
CUT = 45
FILL = 9
TOPSOIL = 19
241 + 00.00

825
820
815
EXIST ROW
MATCH EX MATCH EX 4.00 %
1:6
815.22
4.00 % MATCH EX MATCH EX
1:6
EXIST ROW
CUT = 48
FILL = 9
TOPSOIL = 19
240 + 50.00

820
815
EXIST ROW
MATCH EX MATCH EX 4.00 %
1:6
813.78
4.00 % MATCH EX MATCH EX
1:6
EXIST ROW
CUT = 61
FILL = 7
TOPSOIL = 19
240 + 00.00

820
815
EXIST ROW
MATCH EX MATCH EX 4.00 %
1:6
812.55
4.00 % MATCH EX MATCH EX
1:6
EXIST ROW
CUT = 74
FILL = 6
TOPSOIL = 19
239 + 50.00

820
815
EXIST ROW
MATCH EX MATCH EX 4.00 %
1:6
811.14
4.00 % MATCH EX MATCH EX
1:6
EXIST ROW
CUT = 86
FILL = 4
TOPSOIL = 19
239 + 00.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

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

FILE NAME = H:\P\29848\WD 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg3.dgn

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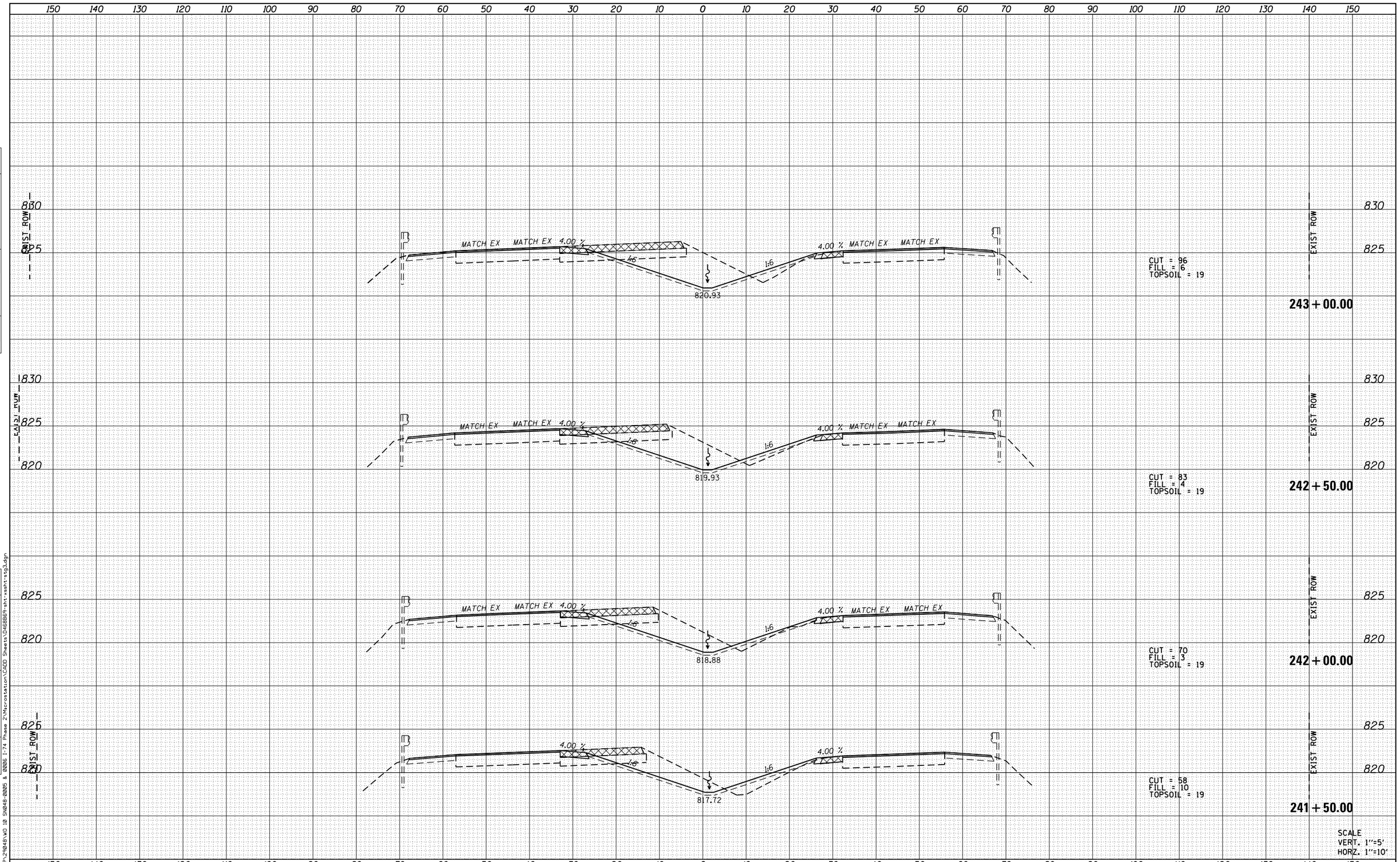
USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 3 OF 25 SHEETS | STA. 239+00.00 TO STA. 241+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T4	(48-26HVB)BR	KNOX	212	190
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



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

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USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

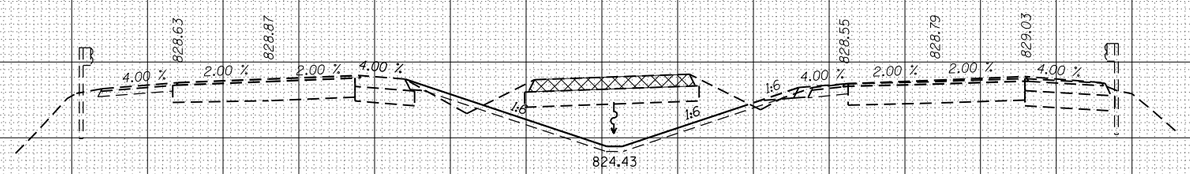
SCALE: | SHEET 4 OF 25 SHEETS | STA. 241+50.00 | TO STA. 243+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	191
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

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

830
825

EXIST ROW



CUT = 100
FILL = 2
TOPSOIL = 17

245 + 00.00

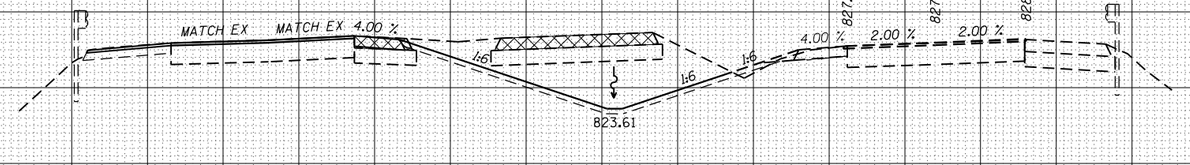
EXIST ROW

PROPOSED ROW

830
825

835
830
825

PROPOSED ROW EXIST ROW



CUT = 115
FILL = 1
TOPSOIL = 17

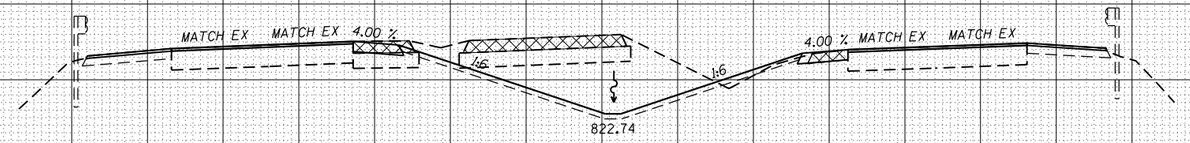
244 + 50.00

PROPOSED ROW EXIST ROW

835
830
825

830
825

EXIST ROW



CUT = 114
FILL = 1
TOPSOIL = 19

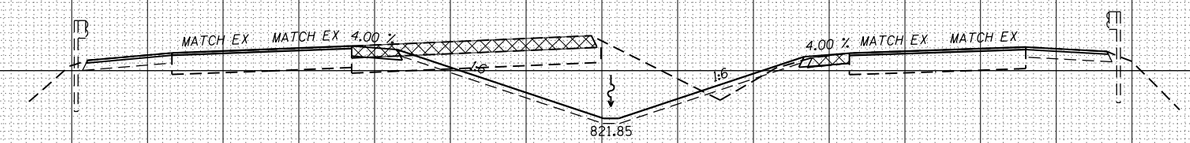
244 + 00.00

EXIST ROW

830
825

830
825

EXIST ROW



CUT = 110
FILL = 3
TOPSOIL = 19

243 + 50.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

FINAL SURVEY
NOTE BOOK
NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY
NOTE BOOK
NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg3.dgn

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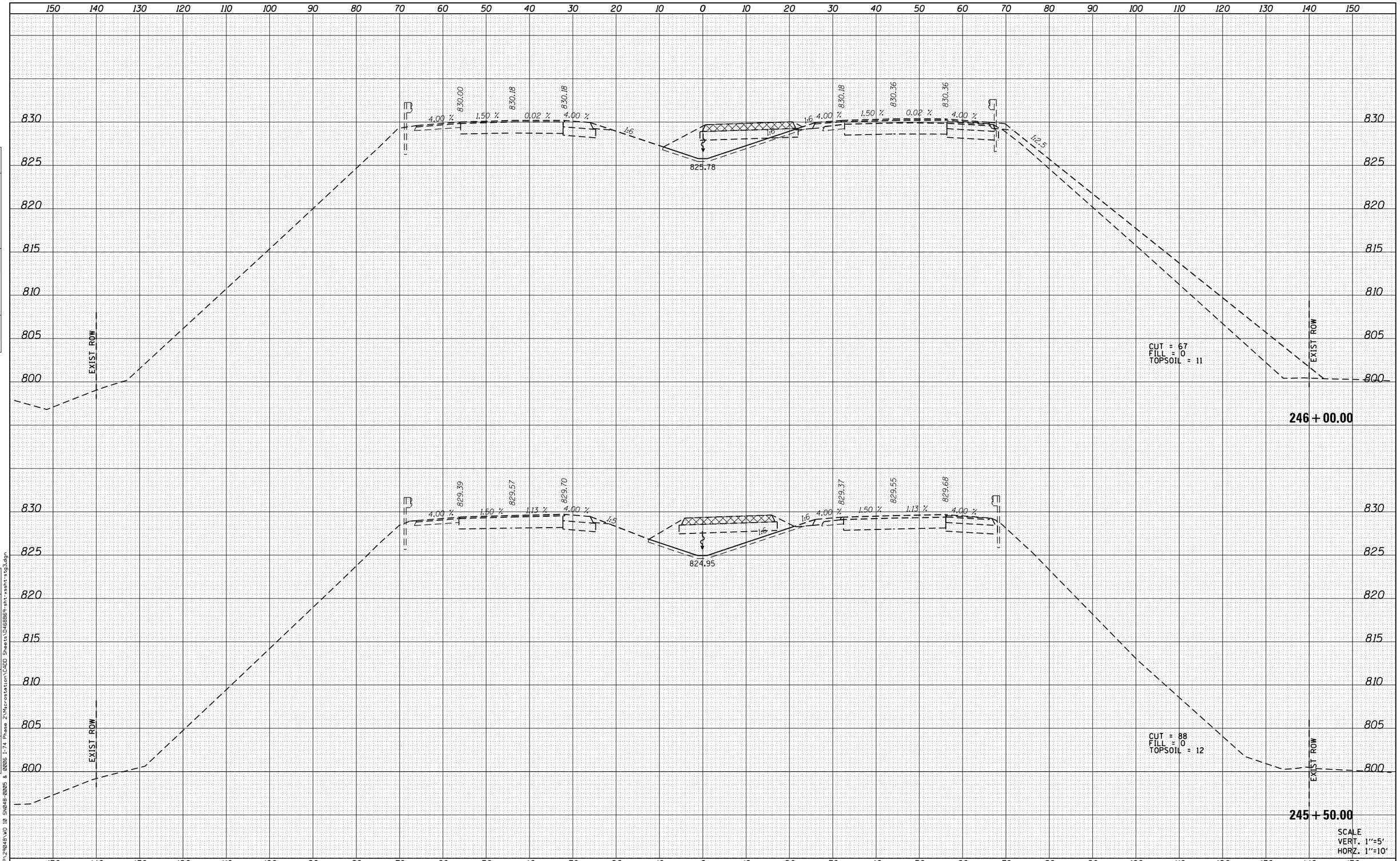
USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 5 OF 25 SHEETS | STA. 243+50.00 TO STA. 245+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	192
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY

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

ORIGINAL SURVEY

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

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg3.dgn

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Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

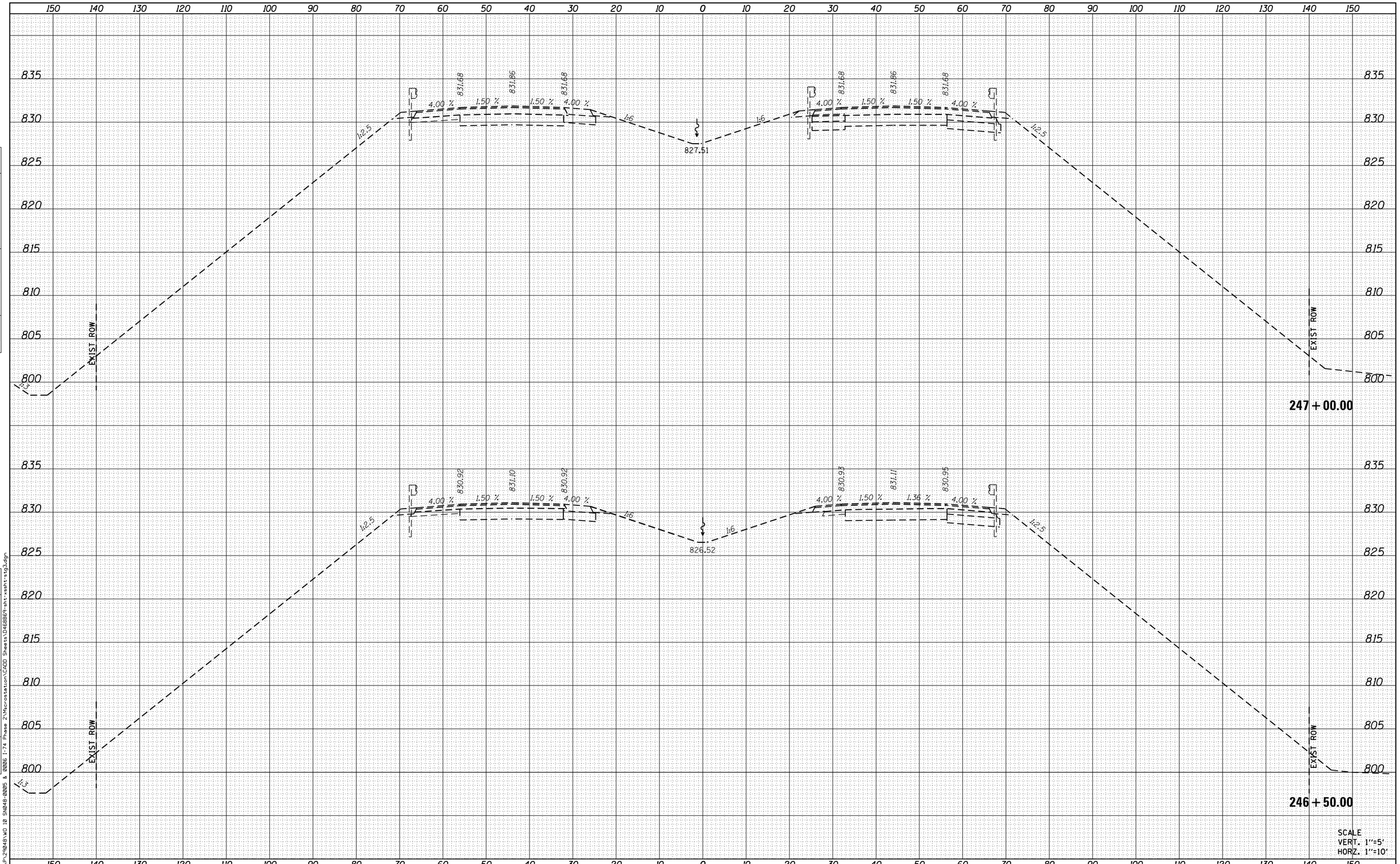
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 6 OF 25 SHEETS | STA. 245+50.00 TO STA. 246+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	193
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		



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

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

SCALE
VERT. 1"=5'
HORZ. 1"=10'

FILE NAME = H:\P\29048\WO 10 SN048-8005 & 8006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xssht-stg3.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

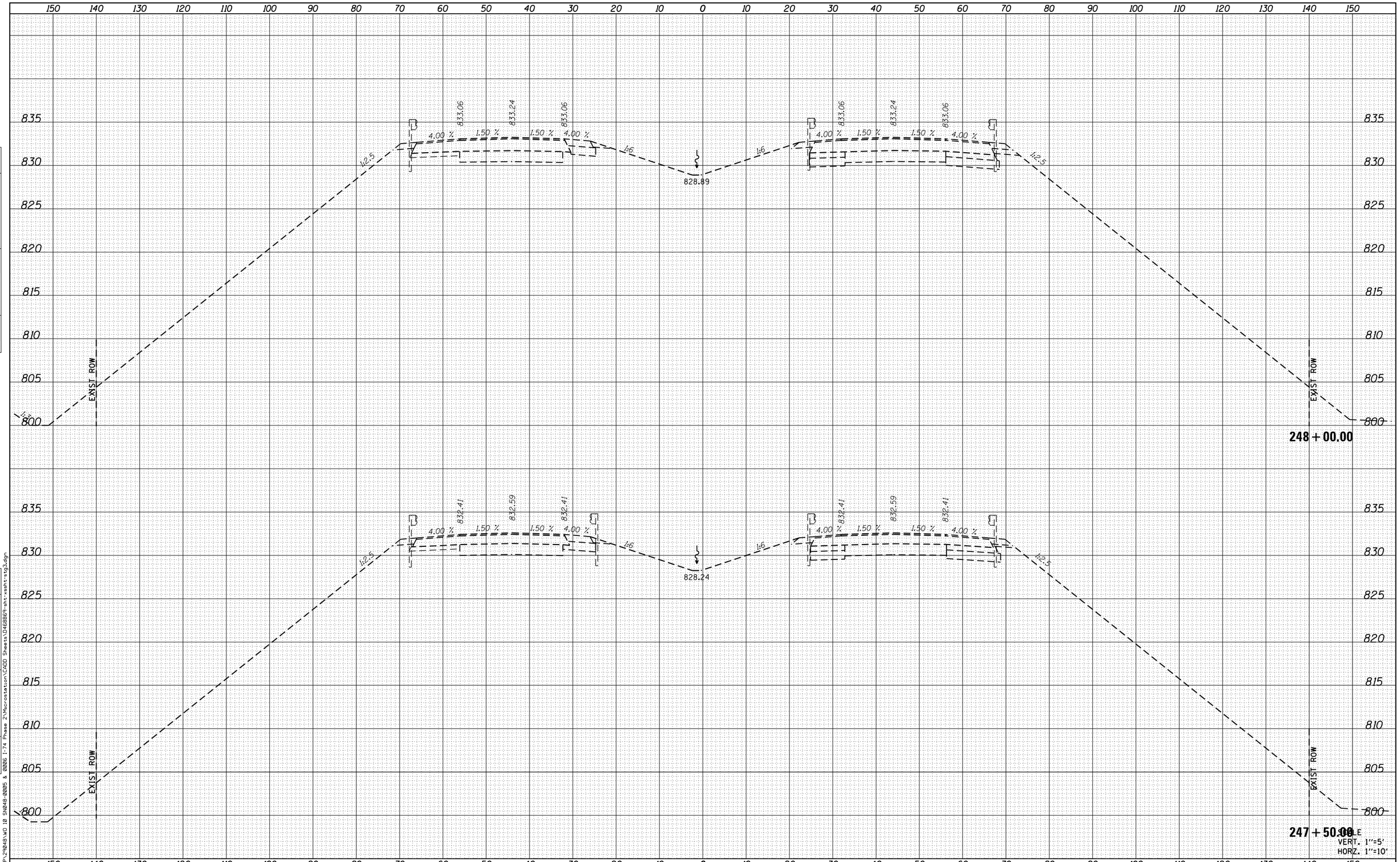
USER NAME = brianchell	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 7 OF 25 SHEETS | STA. 246+50.00 | TO STA. 247+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	194
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY

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

ORIGINAL SURVEY

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

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xssht-stg3.dgn

OATES ASSOCIATES
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ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

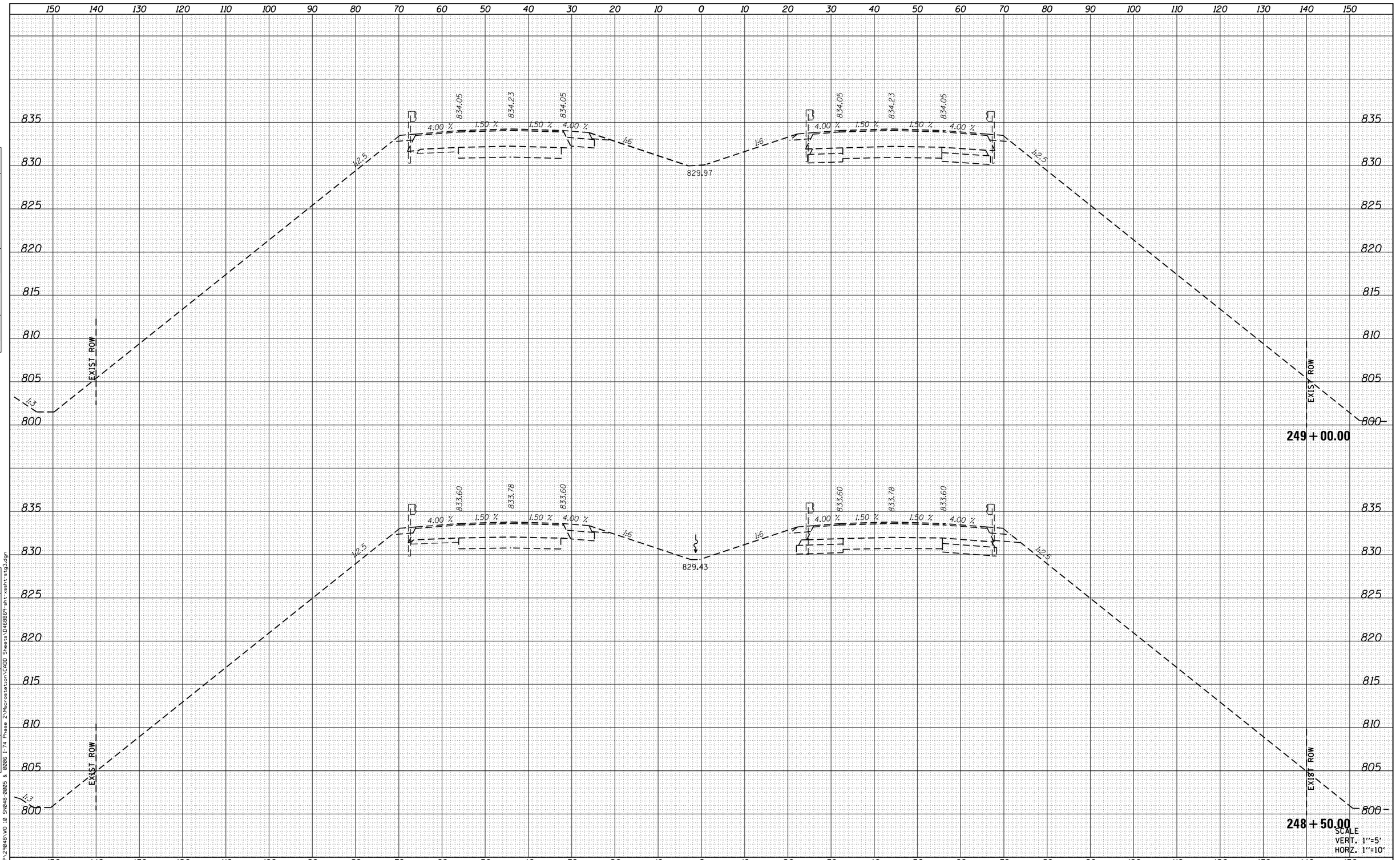
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: HORZ. 1"=10'
VERT. 1"=5'

SHEET 8 OF 25 SHEETS STA. 247+50.00 TO STA. 248+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	195
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY

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

ORIGINAL SURVEY

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

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xssht-stg3.dgn

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ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

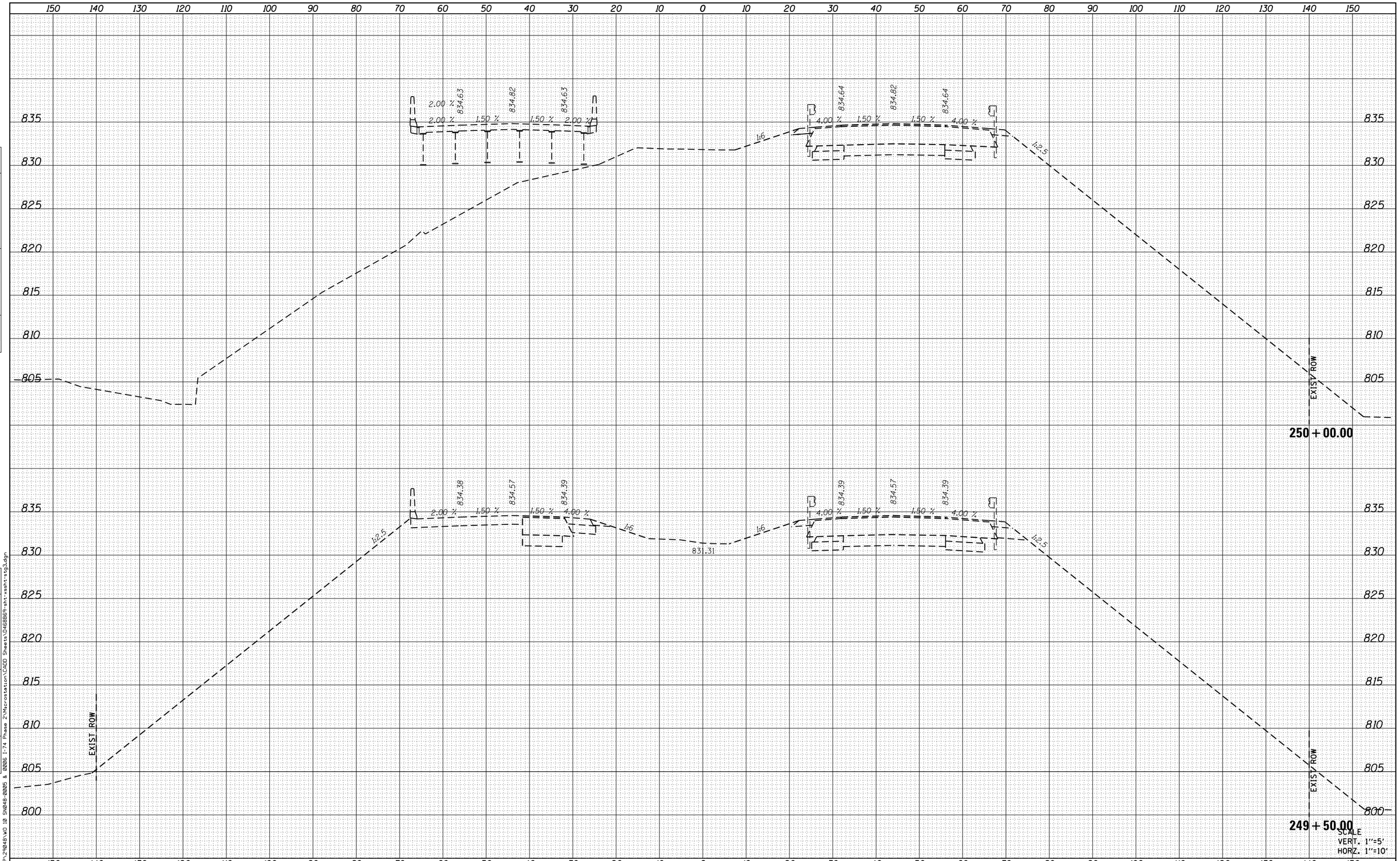
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 9 OF 25 SHEETS | STA. 248+50.00 TO STA. 249+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	196
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg3.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

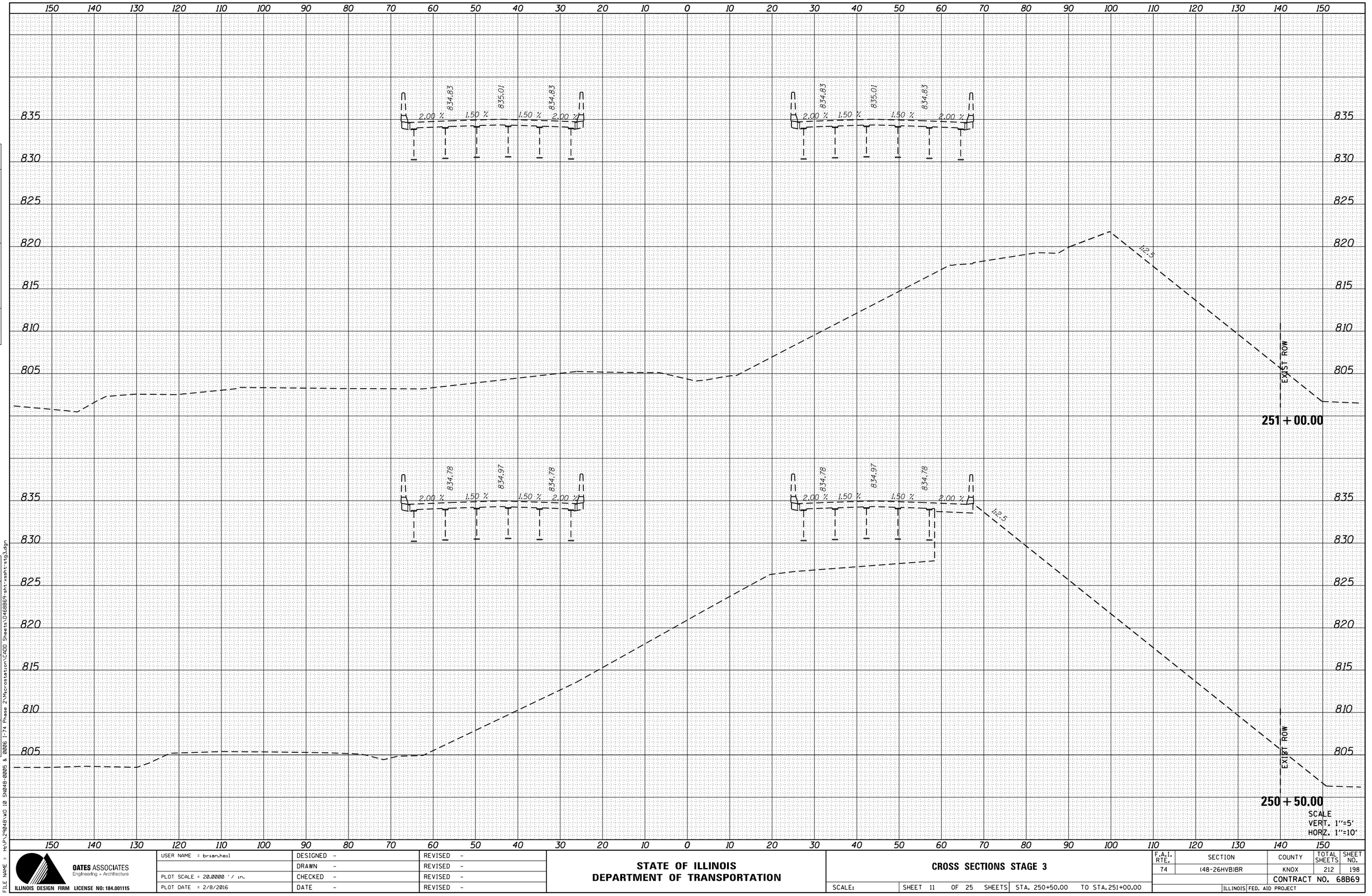
CROSS SECTIONS STAGE 3

SCALE: | SHEET 10 OF 25 SHEETS | STA. 249+50.00 TO STA. 250+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	197
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		

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

BY	DATE



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

BY	DATE

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg3.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 11 OF 25 SHEETS | STA. 250+50.00 TO STA. 251+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	198
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		

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

BY	DATE

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

BY	DATE

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

835 830 825 820 815 810 805 800

EXIST ROW

2.00 % 834.63 1.50 % 834.81 1.50 % 834.63 2.00 %

2.00 % 834.62 1.50 % 834.81 1.50 % 834.62 2.00 %

252 + 00.00

2.00 % 834.77 1.50 % 834.96 1.50 % 834.77 2.00 %

2.00 % 834.77 1.50 % 834.96 1.50 % 834.77 2.00 %

EXIST ROW

251 + 50.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg3.dgn

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ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

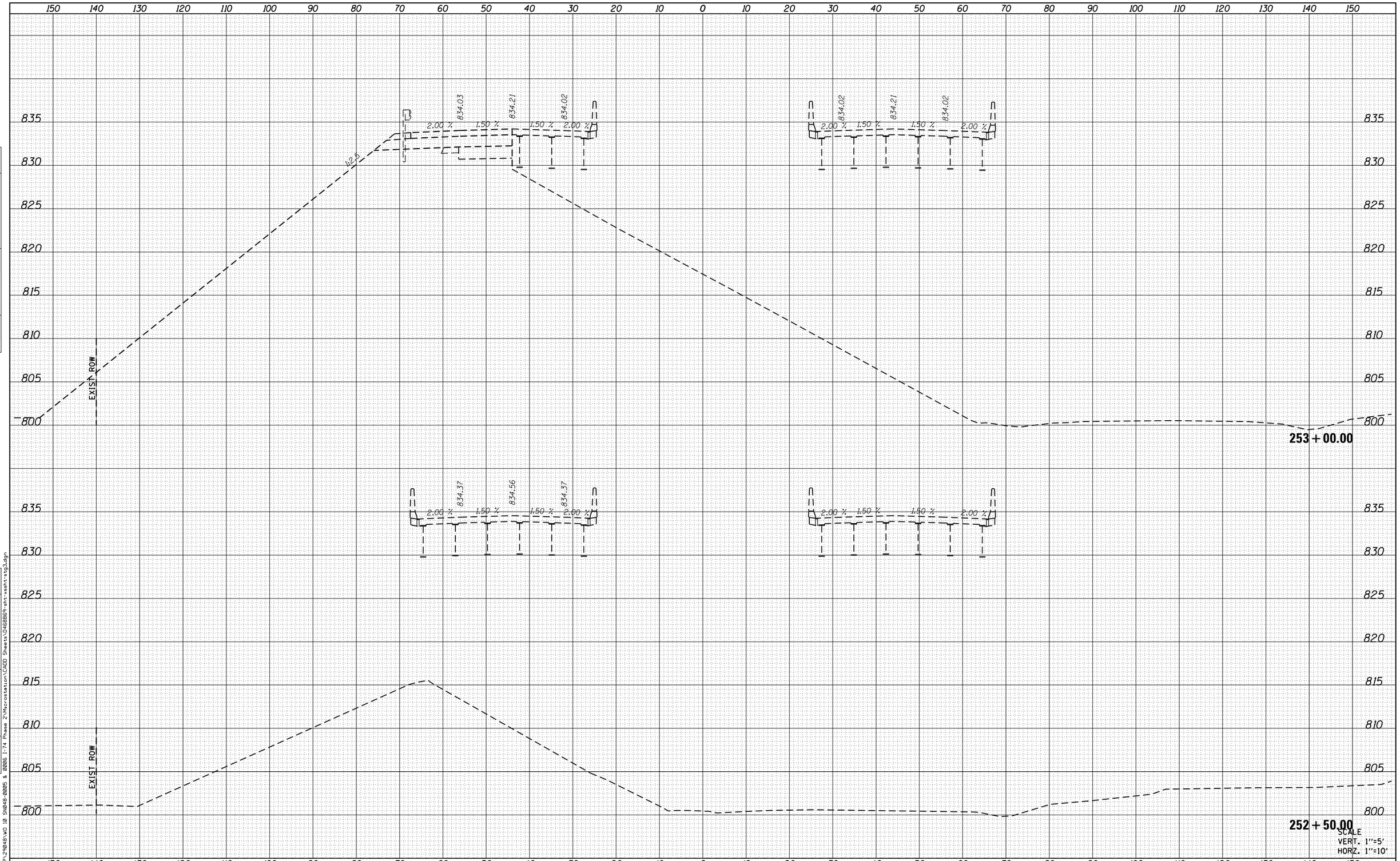
CROSS SECTIONS STAGE 3

SCALE: | SHEET 12 OF 25 SHEETS | STA. 251+50.00 | TO STA. 252+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	199
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		

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

BY	DATE



SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

BY	DATE

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xssht-stg3.dgn

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Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

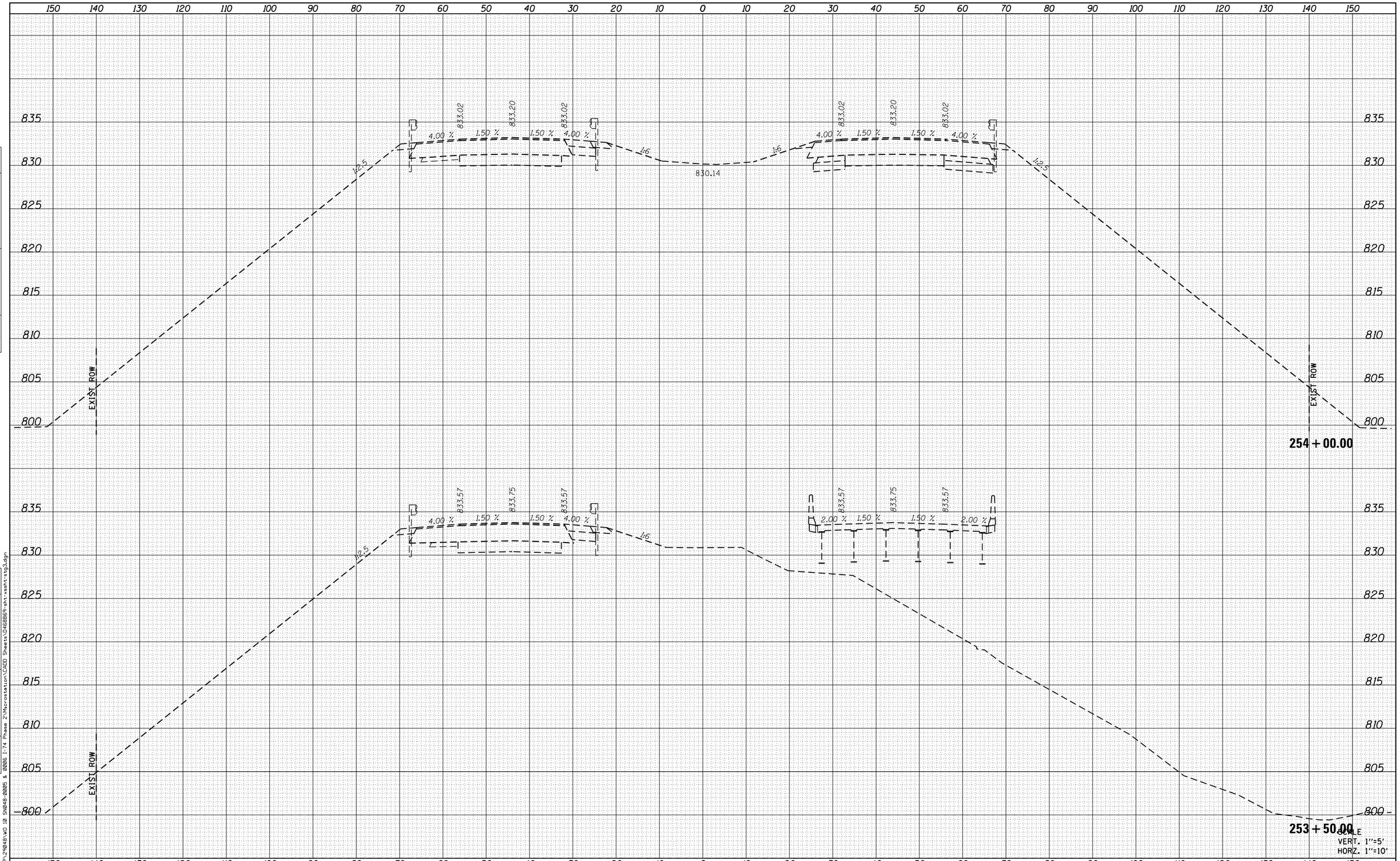
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 13 OF 25 SHEETS | STA. 252+50.00 TO STA. 253+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	200
		CONTRACT NO. 68B69		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg3.dgn

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

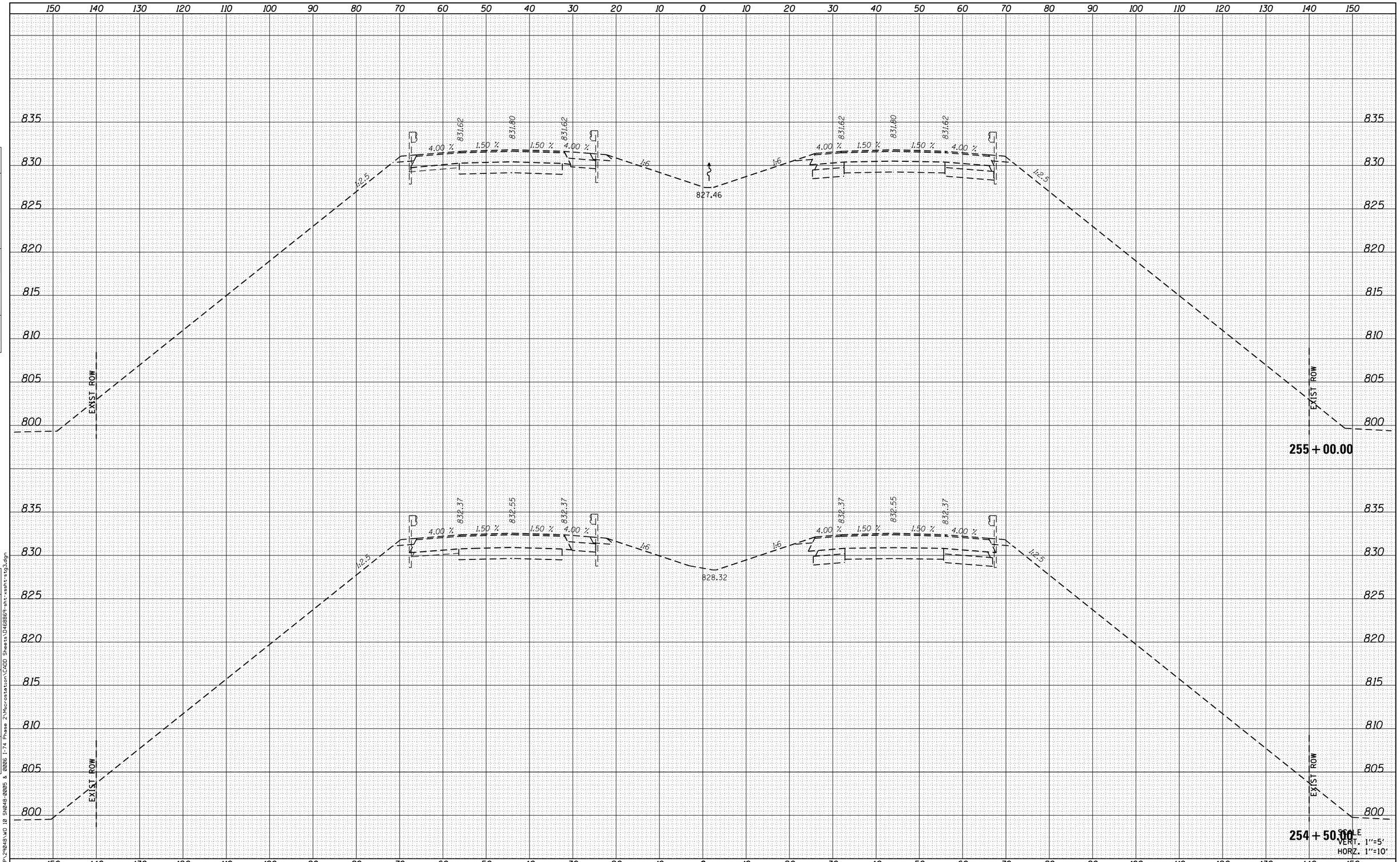
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 14 OF 25 SHEETS | STA. 253+50.00 TO STA. 254+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	201
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		



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

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

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg3.dgn

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

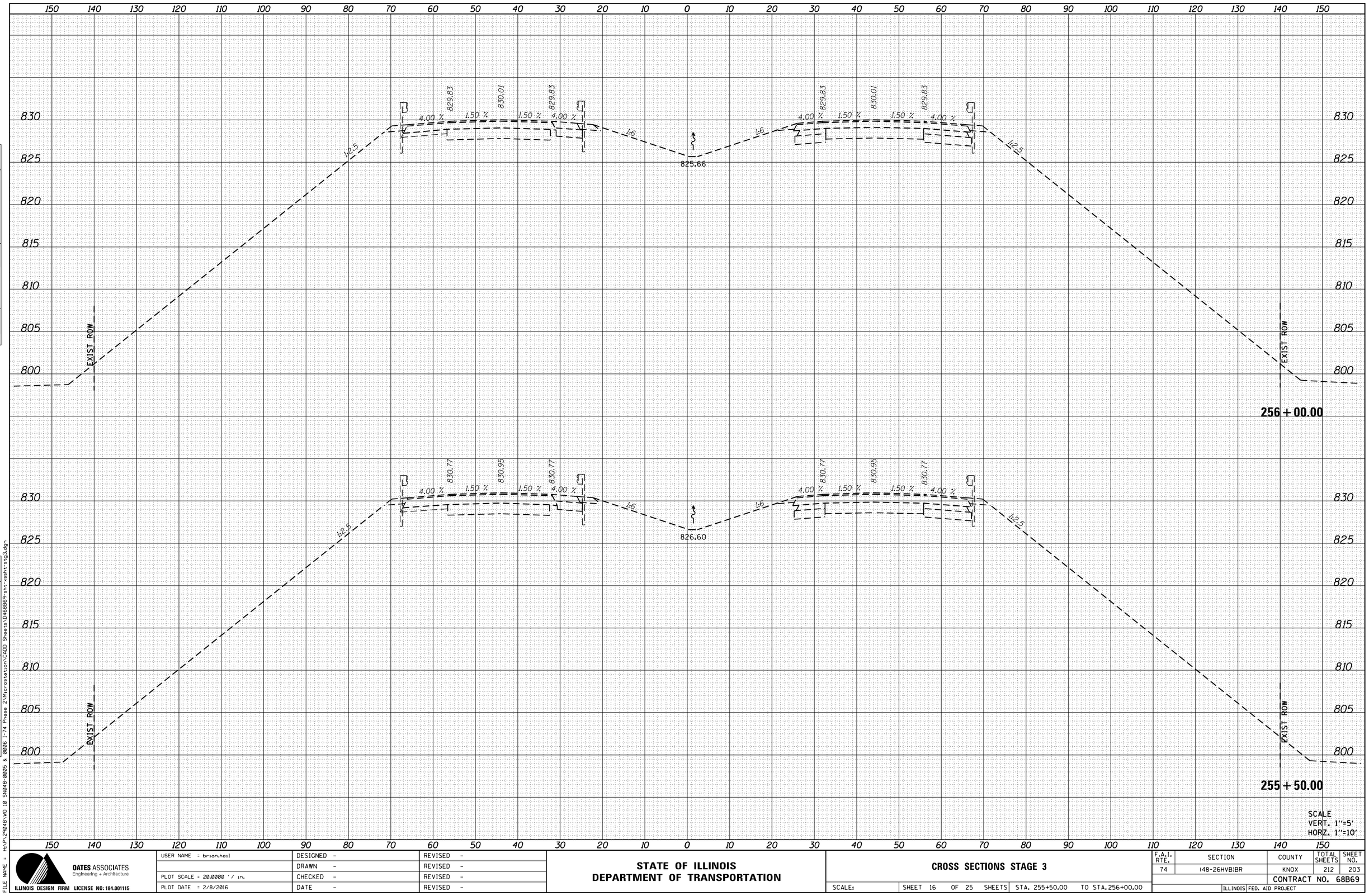
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 15 OF 25 SHEETS | STA. 254+50.00 TO STA. 255+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	202
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY

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

ORIGINAL SURVEY

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

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xssht-stg3.dgn

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Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

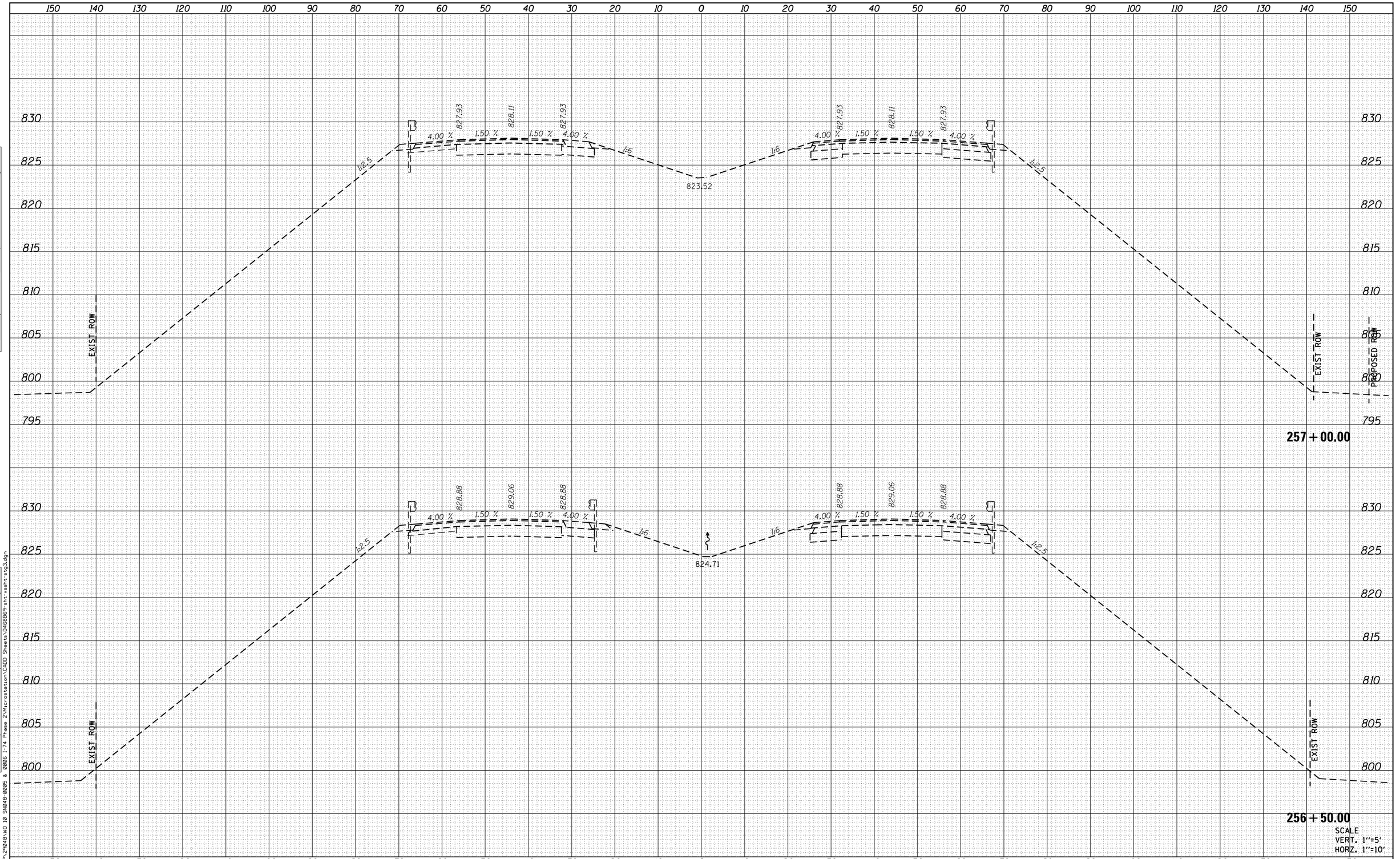
USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 16 OF 25 SHEETS | STA. 255+50.00 | TO STA. 256+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	203
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		



SCALE
VERT. 1"=5'
HORZ. 1"=10'

FINAL SURVEY	BY	DATE
NOTE BOOK		
NO.		

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
NO.		

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xssht-stg3.dgn

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 17 OF 25 SHEETS | STA. 256+50.00 TO STA. 257+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	204
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		

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

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

FILE NAME = H:\P\29848\WD 10 SN848-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xsshts-stg3.dgn

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

830 825 820 815 810 805 800 795

4.00 % 1.50 % 1.50 % 4.00 %

825.93 826.11 825.93 825.93 826.11 825.94

1:6 1:6

821.59

PROPOSED ROW

EXIST ROW

258 + 00.00

826.94 827.12 826.94 826.94 827.12 826.94

1:2.5 1:2.5

822.54

257 + 50.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

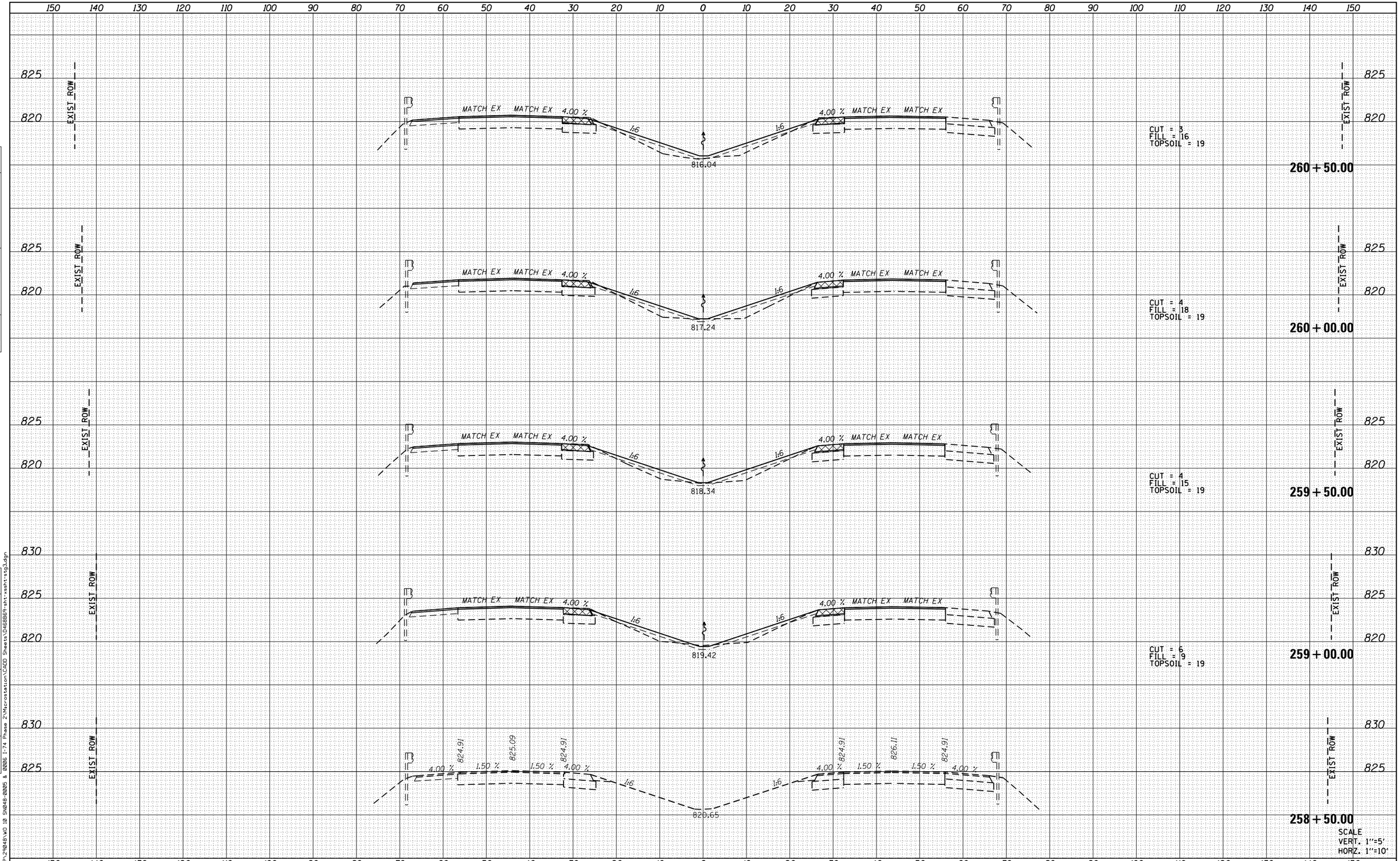
USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 18 OF 25 SHEETS | STA. 257+50.00 TO STA. 258+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	205
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY

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

ORIGINAL SURVEY

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

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OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

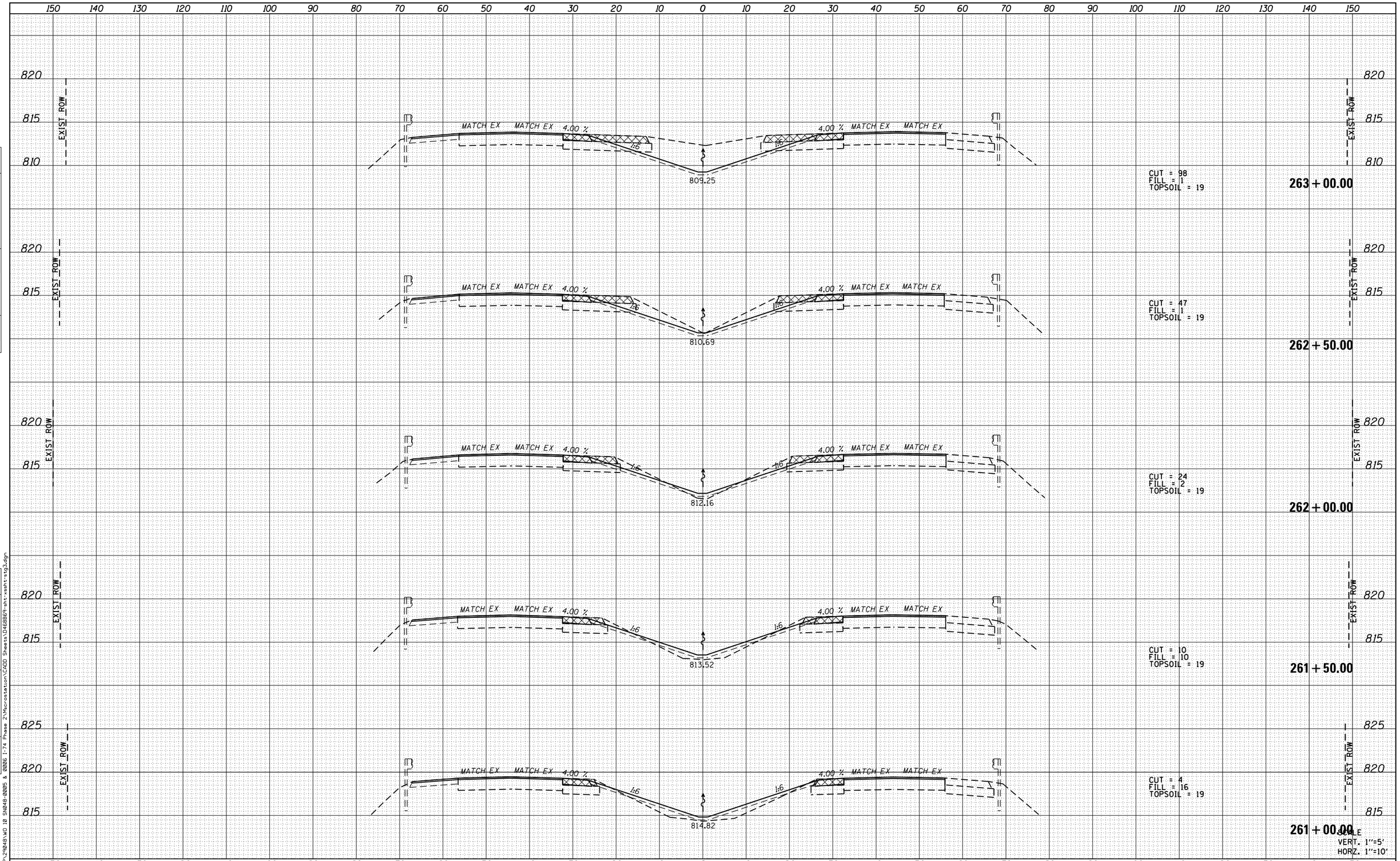
USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 19 OF 25 SHEETS | STA. 258+50.00 | TO STA. 260+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T4	(48-26HVB)BR	KNOX	212	206
		CONTRACT NO. 68B69		
	ILLINOIS	FED. AID PROJECT		



SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

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OATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianchell	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 20 OF 25 SHEETS | STA. 261+00.00 | TO STA. 263+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	207
		CONTRACT NO. 68B69		
		ILLINOIS	FED. AID PROJECT	

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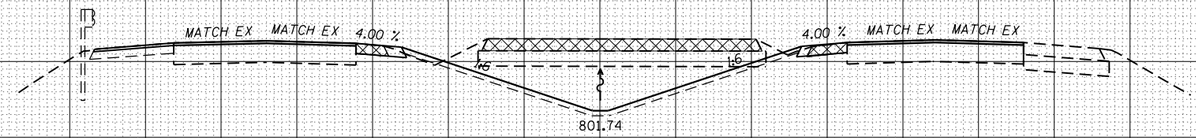
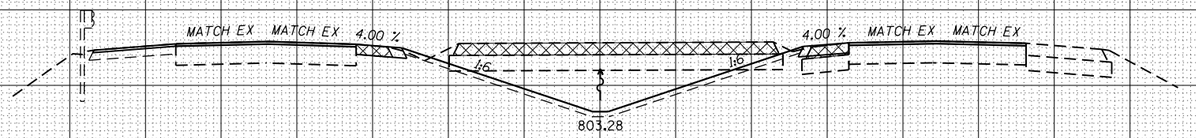


EXIST ROW

CUT = 119
FILL = 0
TOPSOIL = 19

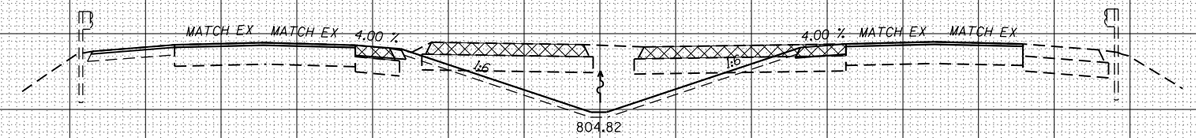
265 + 50.00



EXIST ROW

CUT = 113
FILL = 1
TOPSOIL = 19

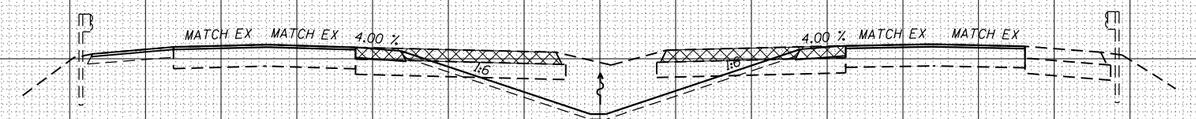
265 + 00.00



EXIST ROW

CUT = 113
FILL = 0
TOPSOIL = 19

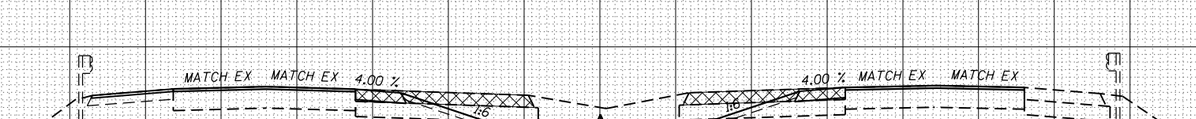
264 + 50.00



EXIST ROW

CUT = 99
FILL = 0
TOPSOIL = 19

264 + 00.00



EXIST ROW

CUT = 96
FILL = 1
TOPSOIL = 19

263 + 50.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

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

FILE NAME = H:\P\29848\WD 10 SN848-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D46B869-sht-xsshts-stg3.dgn

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ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brian.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 21 OF 25 SHEETS | STA. 263+50.00 TO STA. 265+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	208
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

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

EXIST ROW

MATCH EX MATCH EX 4.00 % 1:6 1:6 4.00 % MATCH EX MATCH EX

793.37

CUT = 132
FILL = 0
TOPSOIL = 19

268 + 50.00

794.61

CUT = 131
FILL = 1
TOPSOIL = 19

268 + 00.00

796.04

CUT = 122
FILL = 0
TOPSOIL = 19

267 + 50.00

797.49

CUT = 116
FILL = 1
TOPSOIL = 19

267 + 00.00

798.89

CUT = 112
FILL = 2
TOPSOIL = 19

266 + 50.00

800.29

CUT = 118
FILL = 1
TOPSOIL = 19

266 + 00.00

795 790 800 795 800 795 805 800 795 805 800 795 810 805 800

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

FILE NAME = H:\P\29848\WD 10 SN048-00005 & 00006 I-74 Phase 2\Microstation\CADD Sheets\D46BB69-sht-xssht-stg3.dgn

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	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 22 OF 25 SHEETS | STA. 266+00.00 TO STA. 268+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T4	(48-26HVB)BR	KNOX	212	209
		CONTRACT NO. 68B69		
	ILLINOIS FED. AID PROJECT			

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

795 790 785

EXIST ROW

MATCH EX MATCH EX 4.00 % 1:6 787.13 4.00 % MATCH EX MATCH EX 1:6

CUT = 21
FILL = 7
TOPSOIL = 19

271+50.00

MATCH EX MATCH EX 4.00 % 1:6 787.98 4.00 % MATCH EX MATCH EX 1:6

CUT = 41
FILL = 0
TOPSOIL = 19

271+00.00

MATCH EX MATCH EX 4.00 % 1:6 788.99 4.00 % MATCH EX MATCH EX 1:6

CUT = 60
FILL = 1
TOPSOIL = 19

270+50.00

MATCH EX MATCH EX 4.00 % 1:6 790.02 4.00 % MATCH EX MATCH EX 1:6

CUT = 79
FILL = 1
TOPSOIL = 19

270+00.00

MATCH EX MATCH EX 4.00 % 1:6 791.12 4.00 % MATCH EX MATCH EX 1:6

CUT = 99
FILL = 1
TOPSOIL = 19

269+50.00

MATCH EX MATCH EX 4.00 % 1:6 792.12 4.00 % MATCH EX MATCH EX 1:6

CUT = 129
FILL = 0
TOPSOIL = 19

269+00.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xsht-stg3.dgn

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	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 23 OF 25 SHEETS | STA. 269+00.00 TO STA. 271+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	210
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		

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

790
785

EXIST ROW

MATCH EX MATCH EX 4.00 % 1:6 783.38 1:6 4.00 % MATCH EX MATCH EX

CUT = 2
FILL = 26
TOPSOIL = 19

274+50.00

MATCH EX MATCH EX 4.00 % 1:6 783.75 1:6 4.00 % MATCH EX MATCH EX

CUT = 5
FILL = 20
TOPSOIL = 19

274+00.00

MATCH EX MATCH EX 4.00 % 1:6 784.30 1:6 4.00 % MATCH EX MATCH EX

CUT = 5
FILL = 22
TOPSOIL = 19

273+50.00

MATCH EX MATCH EX 4.00 % 1:6 784.85 1:6 4.00 % MATCH EX MATCH EX

CUT = 5
FILL = 23
TOPSOIL = 19

273+00.00

MATCH EX MATCH EX 4.00 % 1:6 785.57 1:6 4.00 % MATCH EX MATCH EX

CUT = 6
FILL = 17
TOPSOIL = 19

272+50.00

MATCH EX MATCH EX 4.00 % 1:6 786.30 1:6 4.00 % MATCH EX MATCH EX

CUT = 10
FILL = 13
TOPSOIL = 19

272+00.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

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

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

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468869-sht-xsht-stg3.dgn

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	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 24 OF 25 SHEETS | STA. 272+00.00 TO STA. 274+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	211
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		

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

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

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

790
785
780

EXIST ROW

MATCH EX MATCH EX 4.00 %

1:6

CUT = 1
FILL = 9
TOPSOIL = 8

EXIST ROW

275 + 00.00

SCALE
VERT. 1"=5'
HORZ. 1"=10'

FILE NAME = H:\P\29048\WO 10 SN048-0005 & 0006 I-74 Phase 2\Microstation\CADD Sheets\D468B69-sht-xssht-stg3.dgn

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PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STAGE 3

SCALE: | SHEET 25 OF 25 SHEETS | STA. 275+00.00 | TO STA. 275+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(48-26HVB)BR	KNOX	212	212
		CONTRACT NO. 68B69		
		ILLINOIS FED. AID PROJECT		