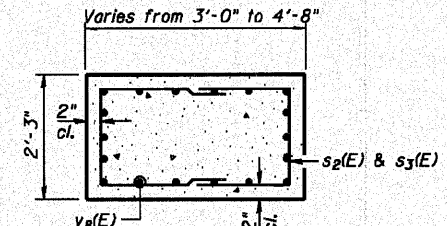
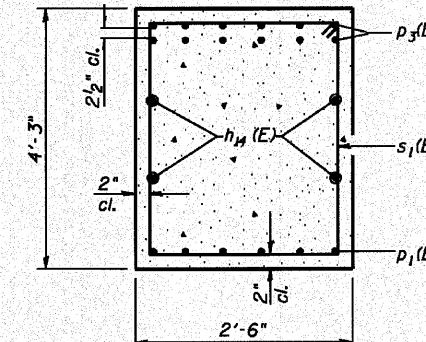
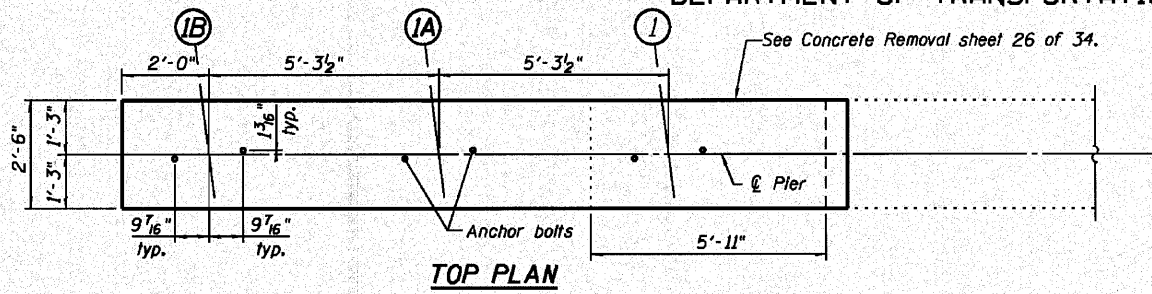


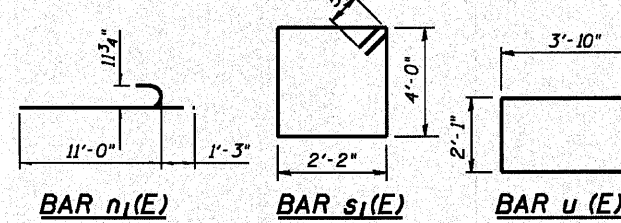
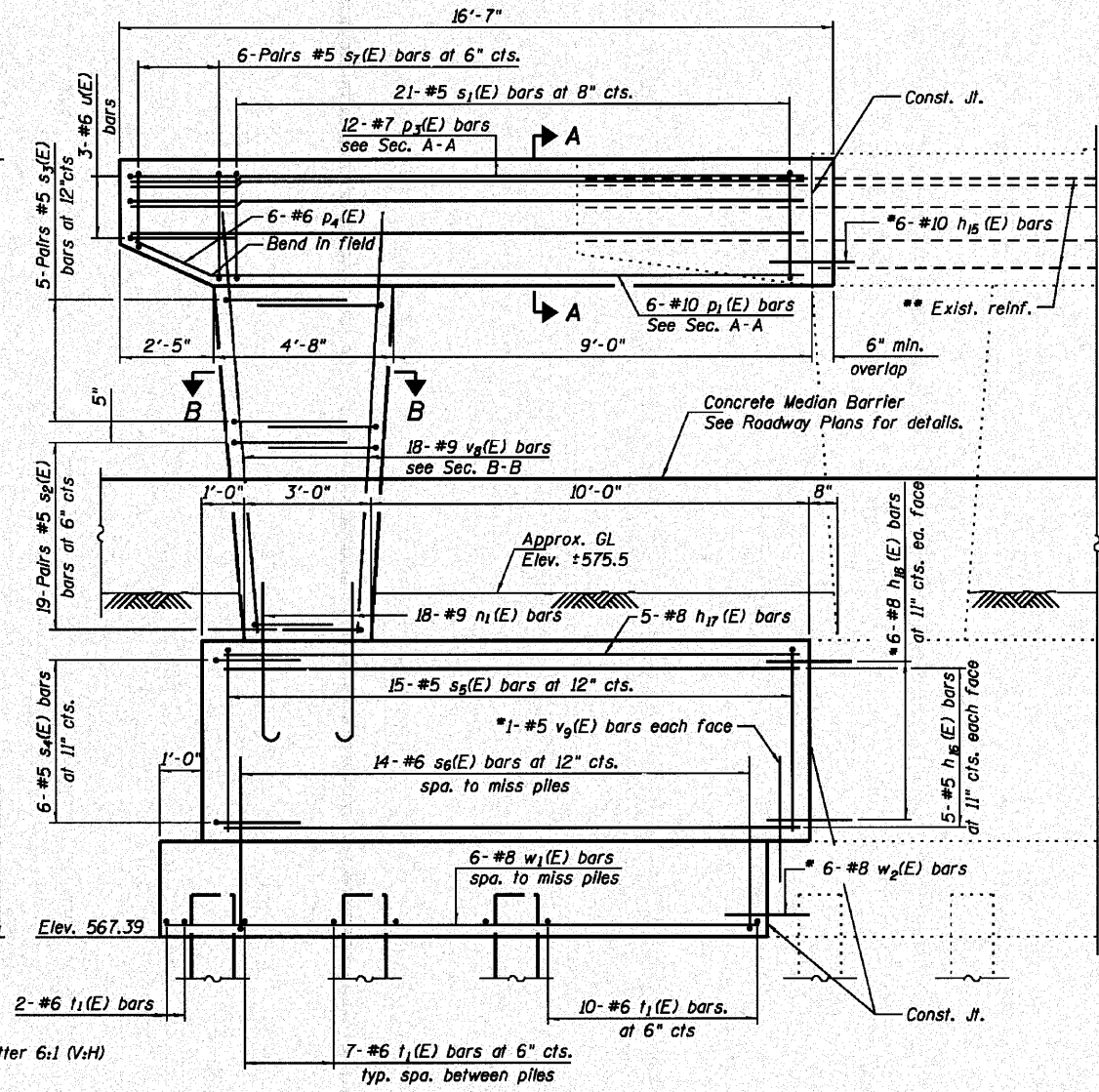
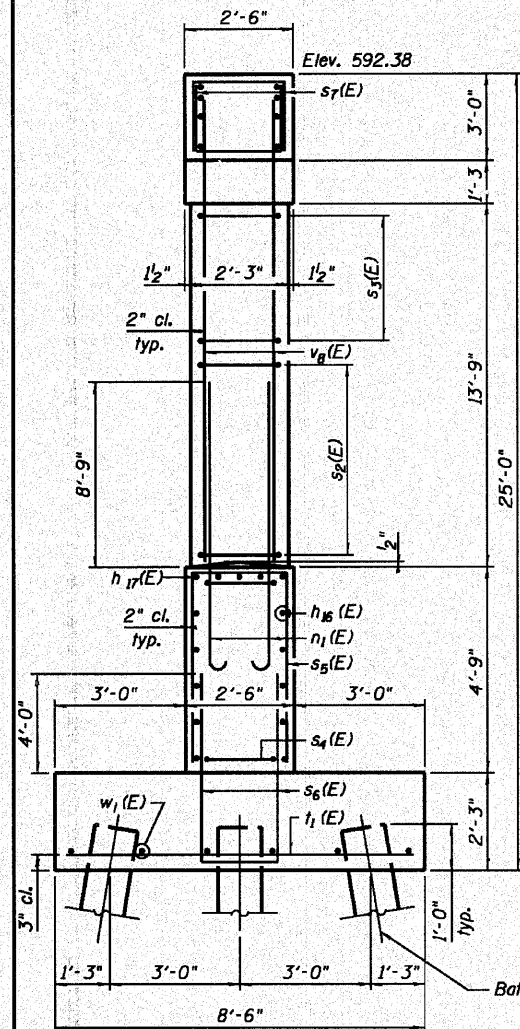
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

Notes:  
Space reinforcement in cap to miss anchor bolts.  
Concrete Sealer shall be applied to all exposed areas of the proposed column and cap.  
For details of piles, see sheet 19 of 34.



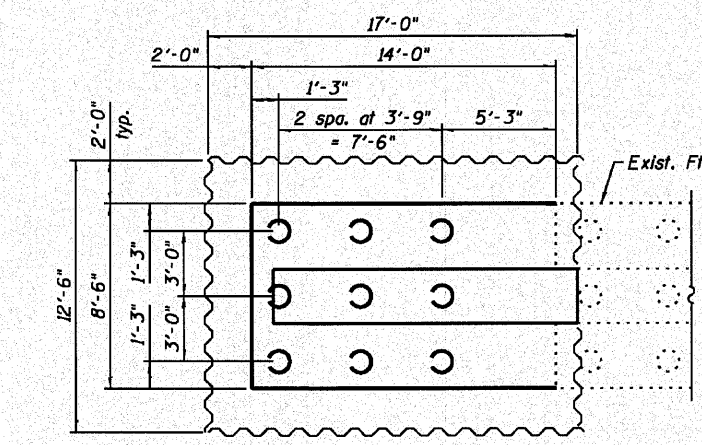
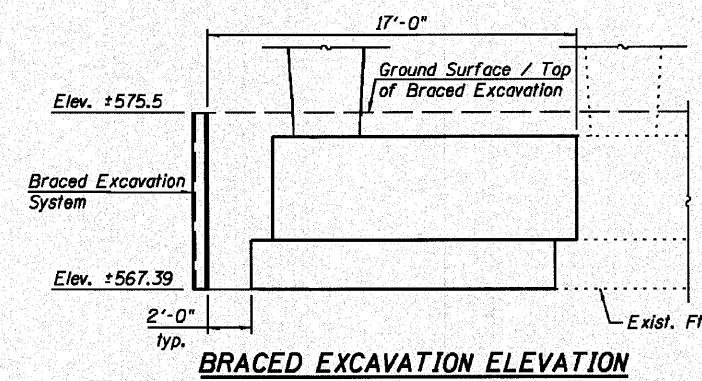
**PILE DATA**

Type: Metal Shell Piles 12" x 0.250" Walls  
Nominal Required Bearing: 180k  
Allowable Resistance Available: 60k  
Est. Length: 40'  
No. Production Piles: 8  
No. Test Piles: 1



**A & B DIMENSIONS**

Bar	A	B
s2(E)	1'-11"	2'-8"
s3(E)	1'-11"	3'-9"
s4(E)	2'-2"	3'-3"
s5(E)	2'-2"	4'-5"
s6(E)	2'-2"	6'-1"
s7(E)	2'-2"	3'-0"



**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h16(E)	4	#5	16'-3"	—
h16(E)	6	#10	7'-3"	—
h16(E)	10	#5	13'-8"	—
h17(E)	5	#8	13'-8"	—
h18(E)	12	#8	7'-8"	—
n1(E)	18	#9	12'-3"	C
p1(E)	6	#10	14'-0"	—
p3(E)	12	#7	16'-3"	—
p4(E)	6	#6	8'-0"	—
s1(E)	21	#5	13'-3"	—
s2(E)	38	#5	7'-3"	—
s3(E)	10	#5	9'-5"	—
s4(E)	6	#5	8'-8"	—
s5(E)	15	#5	11'-0"	—
s6(E)	14	#6	14'-4"	—
s7(E)	12	#5	8'-2"	—
t1(E)	26	#6	8'-2"	—
u(E)	3	#6	9'-9"	—
v8(E)	18	#9	17'-0"	—
v9(E)	2	#5	4'-2"	—
w1(E)	6	#8	13'-8"	—
w2(E)	6	#8	7'-8"	—
Concrete Structures	Cu. Yd.	26.7		
Reinforcement Bars, Epoxy Coated	Pound	5,470		
Furnishing Metal Shell Piles 12" x 0.250"	Foot	320		
Driving Piles	Foot	320		
Test Pile Metal Shells	Each	1		
Concrete Sealer	Sq. Ft.	378		
Braced Excavation	Cu. Yd.	64		

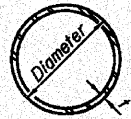
**PIER  
STRUCTURE NO. 082-0176**

SHEET NO. 18	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34 SHEETS	64	82-5K-2	ST. CLAIR	162	101
					CONTRACT NO. 76D59
ILLINOIS FED. AID PROJECT					

DESIGNED - T.JZ  
CHECKED - CWC  
DRAWN - DLH  
CHECKED - CWC, SDS

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

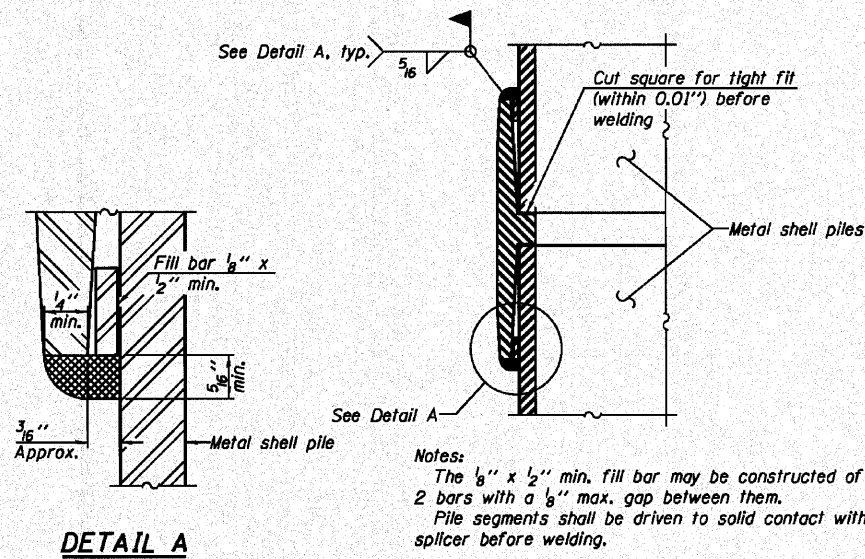
- #5 v9(E) bars drilled and epoxy grouted into 7/8" φ by 9" holes (min.)
  - #8 h16(E) and w2(E) bars drilled and epoxy grouted into 1/4" φ by 9" holes (min.)
  - #10 h16(E) bars drilled and epoxy grouted into 1/2" φ by 9" holes (min.)
- The grout and method of application shall be according to Section 584 of the Standard Specifications.
- Existing reinforcement shall be cleaned, straightened and incorporated in new construction. Cost included with "Concrete Removal".



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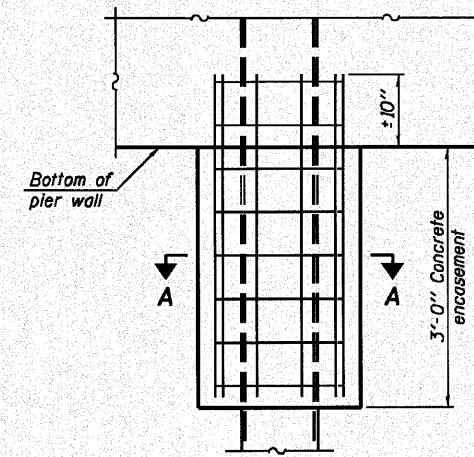
**METAL SHELL PILE TABLE**

Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. <sup>3</sup> /ft.)
PP12	0.179"	22.60	0.0274
PP12	0.250"	31.37	0.0267
PP14	0.250"	36.71	0.0368
PP14	0.312"	45.61	0.0361

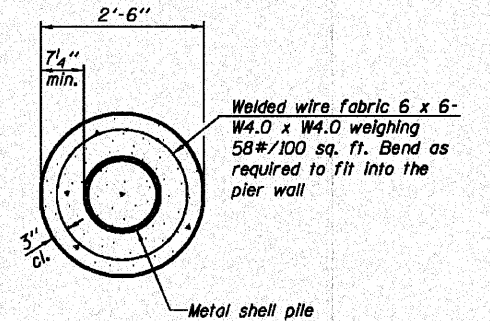


**WELDED COMMERCIAL SPLICE**

Notes:  
The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.  
Pile segments shall be driven to solid contact with splicer before welding.



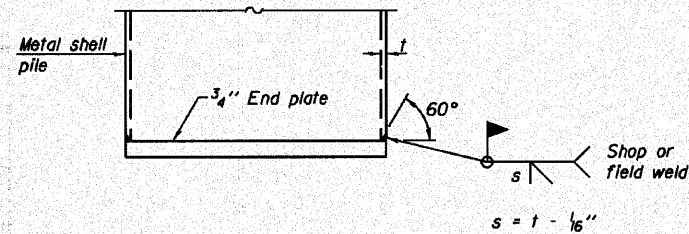
**ELEVATION**



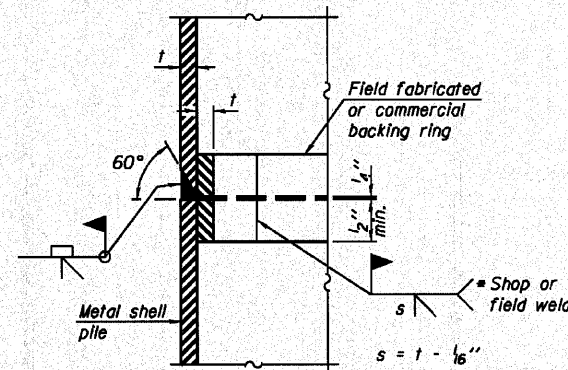
**SECTION A-A**

Note:  
Forms for encasement may be omitted when soil conditions permit.

**CONCRETE ENCASEMENT AT PIERS**



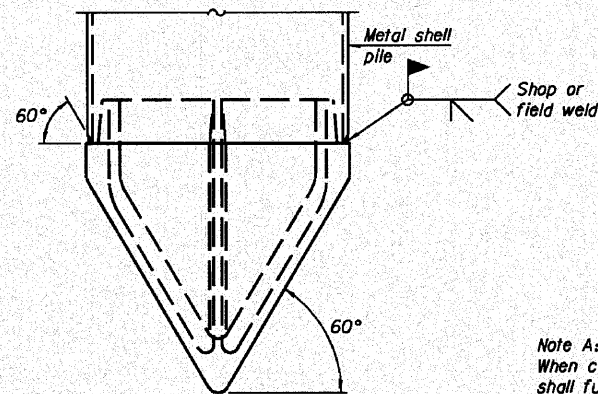
**END PLATE ATTACHMENT**



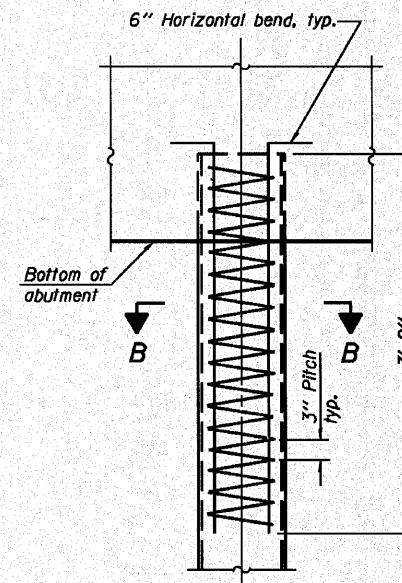
**COMPLETE PENETRATION WELD SPLICE**

\* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.

Note A:  
When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 90-60 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld.

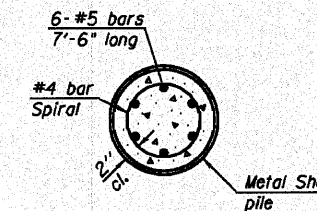


**METAL SHELL PILE SHOE ATTACHMENT**  
(See Note A)



**ELEVATION**

**METAL SHELL REINFORCEMENT AT ABUTMENTS**



**SECTION B-B**

**METAL SHELL PILE DETAILS**  
**STRUCTURE NO. 082-0176**

DESIGNED - T.J.Z
CHECKED - C.W.C
DRAWN - D.L.H
CHECKED - C.W.C, S.D.S

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

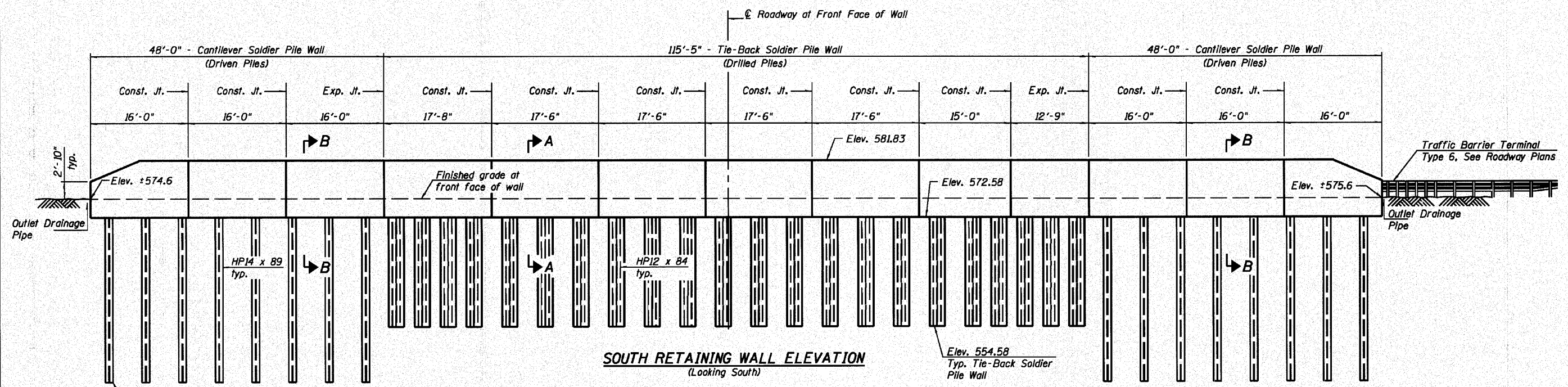
F-MS 11-1-09

Note:  
The metal shell piles shall be according to ASTM A 252 Grade 3.

SHEET NO. 19 34 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	64	82-5K-2	ST. CLAIR	162	102
CONTRACT NO. 76D59					
ILLINOIS FED. AID PROJECT					

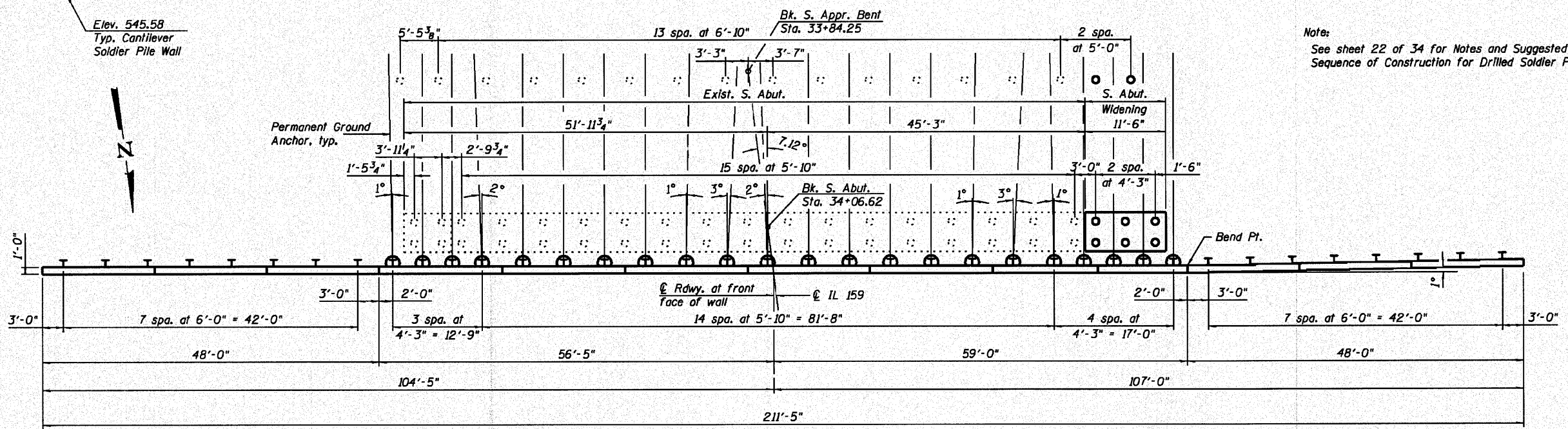


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DEPARTMENT OF TRANSPORTATION



**SOUTH RETAINING WALL ELEVATION**  
(Looking South)

Note:  
See sheet 22 of 34 for Notes and Suggested  
Sequence of Construction for Drilled Soldier Pile Wall.



**SOUTH RETAINING WALL PLAN**

DESIGNED - T.J.Z
CHECKED - C.W.C
DRAWN - D.L.H
CHECKED - C.W.C, S.D.S

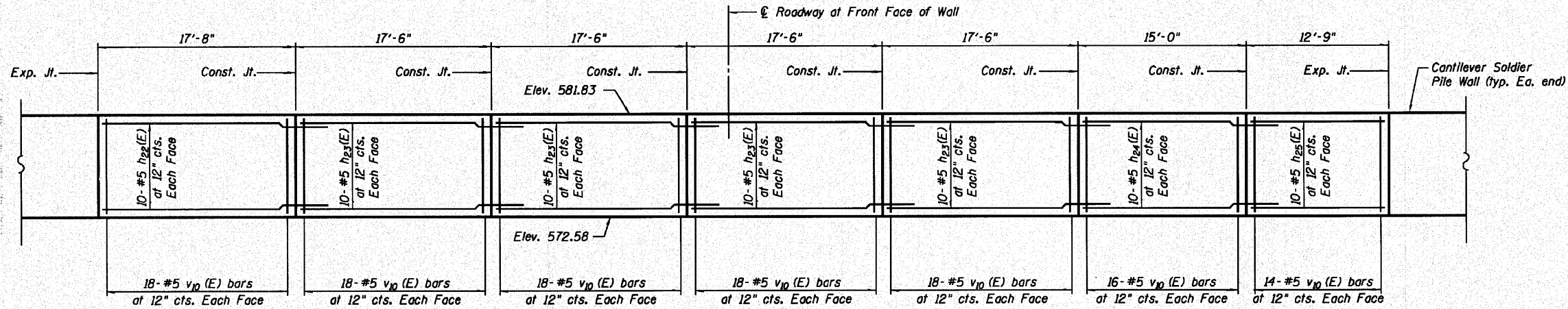
**WHKS & CO.**  
ENGINEERING

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SPRINGFIELD, IL  
(217) 483-9457  
DESIGN FIRM #184001036

**SOUTH RETAINING WALL  
STRUCTURE NO. 082-0176**

SHEET NO. 20 34 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	64	82-5K-2	ST. CLAIR	162	103
CONTRACT NO. 76D59					
ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



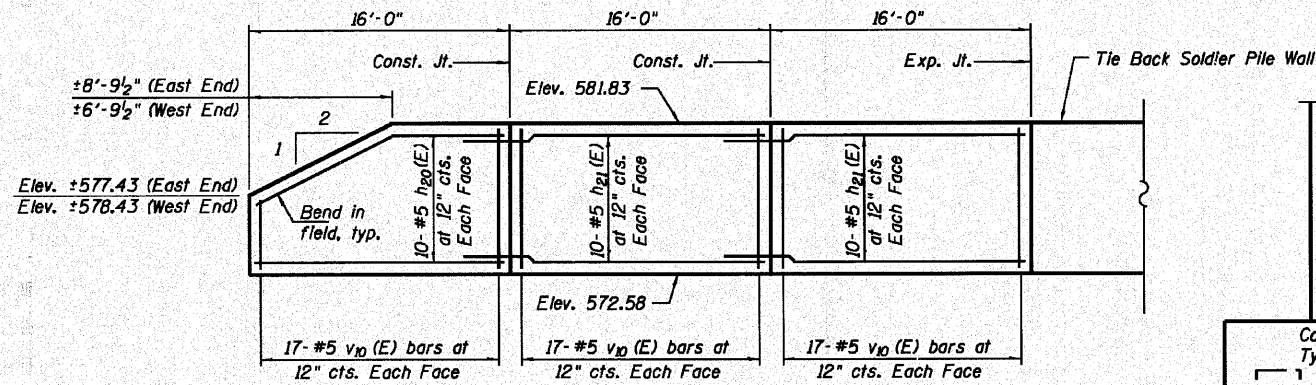
CONCRETE FASCIA ELEVATION AT TIE-BACK SOLDIER PILE WALL

Note:  
Cut  $v_{10}$  (E) bars in field  
at ends of wall.

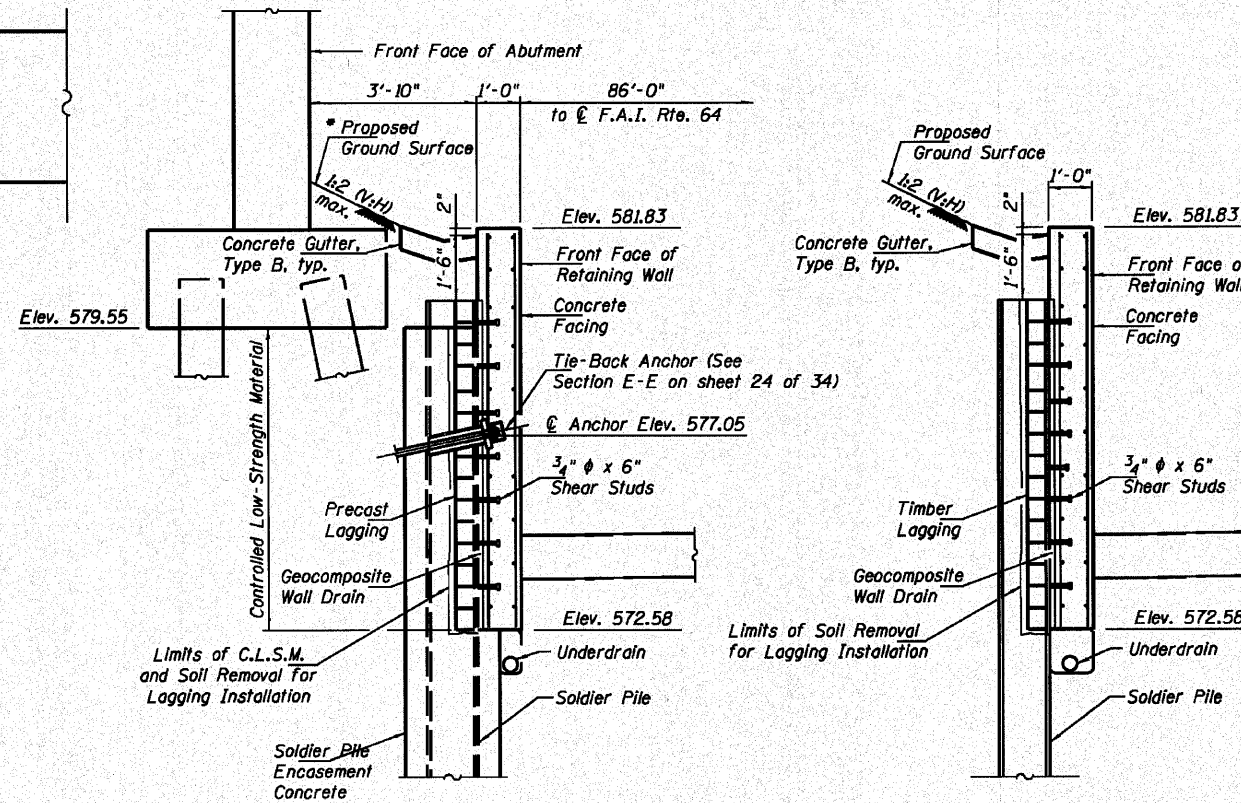
\* Proposed ground surface to be finished with coarse  
aggregate. Cost included with "Concrete Gutter, Type B".

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$h_{20}$ (E)	40	#5	15'-8"	—
$h_{21}$ (E)	80	#5	19'-3"	—
$h_{22}$ (E)	20	#5	20'-11"	—
$h_{23}$ (E)	80	#5	20'-9"	—
$h_{24}$ (E)	20	#5	18'-3"	—
$h_{25}$ (E)	20	#5	12'-5"	—
$v_{10}$ (E)	444	#5	8'-11"	—
Concrete Structures			Cu. Yd.	71.3
Precast Concrete Lagging			Sq. Ft.	765
Stud Shear Connectors			Each	670
Untreated Timber Lagging			Sq. Ft.	652
Reinforcement Bars, Epoxy Coated			Pound	9,200
Furnishing Soldier Piles (HP Section)			Foot	1,117
Geocomposite Wall Drain			Sq. Yd.	142
Pipe Underdrains for Structures 4"			Foot	212
Concrete Gutter, Type B			Foot	212
Permanent Ground Anchor			Each	22
Drilling and Setting Soldier Piles (In Soil)			Cu. Ft.	1,768
Driving Soldier Piles			Foot	553
Concrete Sealer			Sq. Ft.	1,635



CONCRETE FASCIA ELEVATION AT CANTILEVER SOLDIER PILE WALL  
(East End Shown, West End Mirror Image)



SECTION A-A

SECTION B-B

SOUTH RETAINING WALL DETAILS  
STRUCTURE NO. 082-0176

DESIGNED - T.J.Z
CHECKED - C.W.C
DRAWN - D.L.H
CHECKED - C.W.C, S.D.S

**WHKS & CO.**  
ENGINEERING

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

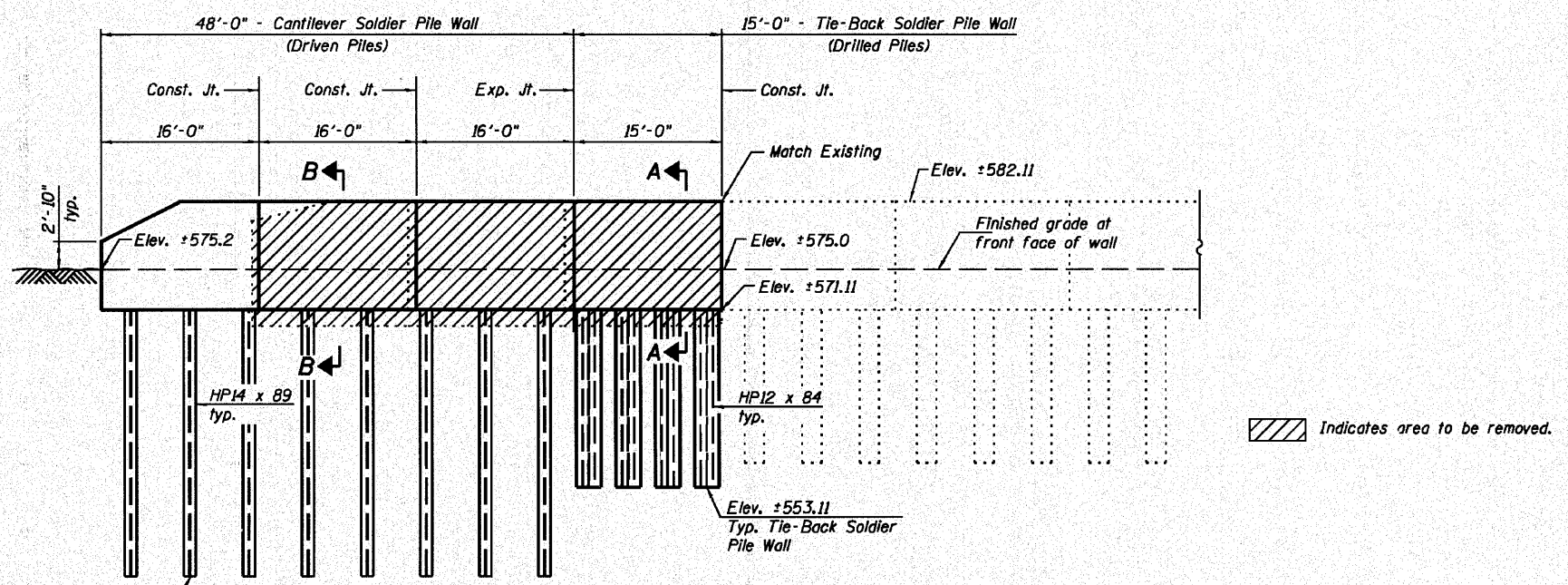
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	64	82-5K-2	ST. CLAIR	162	104
CONTRACT NO. 76D59					
ILLINOIS FED. AID PROJECT					



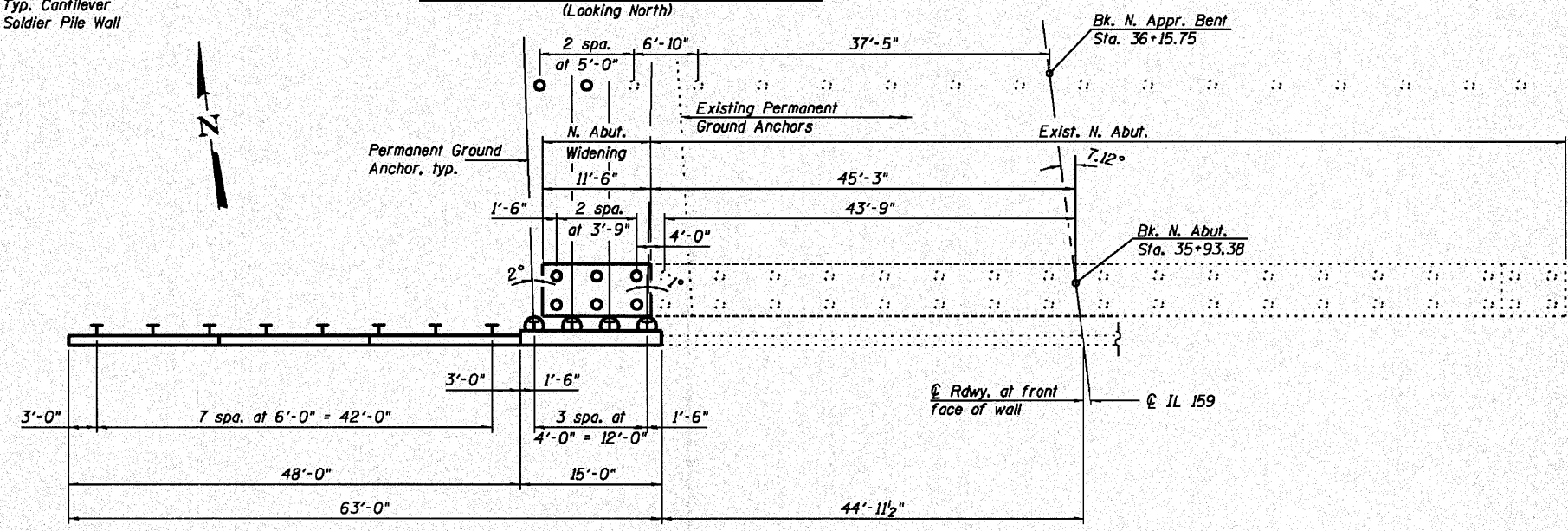
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**SUGGESTED SEQUENCE OF CONSTRUCTION FOR DRILLED SOLDIER PILE WALL**

1. Drill hole for soldier pile to the tip elevation indicated on the plans.
2. Remove loose material and excess water from hole and set soldier pile in hole, using temporary bracing to maintain correct clearances and position during and after placement of concrete.
3. Place Class SI Concrete Encasement around the soldier pile to the bottom of concrete facing elevation as indicated on the plans.
4. Place Controlled Low Strength Material (CLSM) to the bottom of the abutment footing elevation as indicated on the plans.
5. Repeat steps 1 through 4 until all soldier piles are in place.
6. After concrete has cured, excavate in front of wall to a depth 2 ft. below the indicated anchor elevation in stages no greater than 20 ft. in length. For the South wall, remove only the slope wall, soil and CLSM concrete necessary to place the precast concrete lagging behind the soldier pile flanges. For the North wall, remove only the concrete of the existing L shaped wall and CLSM concrete necessary to place the precast concrete lagging behind the soldier pile flanges.
7. Install the permanent ground anchors at the elevation indicated on the plans. (See Special Provision)
8. Continue removal and installation of the lagging to the bottom of concrete facing elevation indicated and lock off anchors.
9. Repeat steps 6 through 8 until all precast lagging is in place.
10. Install the Geocomposite Wall Drain and pipe underdrain. The Geocomposite Wall Drain shall be constructed according to Article 591 of the Standard Specifications and the Contractor shall ensure that the bottom, sides, and top edges are protected from either wet concrete or soil entering or sealing the drain while placing the pervious fabric side of the drain toward the soil. The drain shall be attached to and completely cover the exposed face of the concrete lagging, insuring the sides, top, bottom and back are covered with non-pervious material to protect it from wet concrete intrusion.
11. Install stud shear connectors to the soldier piles.
12. Construct the concrete facing.



**NORTH RETAINING WALL ELEVATION**  
(Looking North)



**NORTH RETAINING WALL PLAN**

**Notes:**

Anchors that encounter existing piling shall be redrilled at an offset 3'-15' horizontally from their initial alignment. Cost of redrilling is included with "Permanent Ground Anchor".

Each tie-back soldier pile shall consist of a HP12x84 section, anchor head assembly, bearing plate and pipe. Soldier piles shall be given one shop coat of organic zinc rich primer. Cost of HP12x84 section, anchor head assembly, bearing plate and pipe shall be included in the cost of "Furnishing Soldier Piles (HP Section)".

The ground anchor tendons shall be high strength low relaxation 7 wire strands Grade 270. The nominal diameter shall be 0.6 in. and the nominal cross sectional area shall be 0.217 in. Three (3) tendons shall be used for each ground anchor.

Any modifications to the details for the anchor bearing plate required to accommodate the anchor shall be submitted by the Contractor for the Engineer's approval. Cost is included with the cost of "Furnishing Soldier Piles (HP Section)".

Concrete Sealer shall be applied to the front face of the proposed concrete facing above the finished grade elevation and to the top of the concrete facing.

Transition Concrete Gutter, Type B and flowline to accommodate the variation in retaining wall thickness.

If required, soldier pile sections may be furnished in two (2) sections due to low vertical clearances at the wall location. The Contractor shall temporarily support the lower section of the soldier pile while splicing the upper section to the pile. The soldier pile sections shall be spliced as shown in the HP Pile Details in the plans, sheet 25 of 34, and in accordance with Section 512 of the Standard Specifications.

For Concrete Removal, see sheet 26 of 34.

Contractor shall furnish a proposed Sequence of Construction for Drilled Soldier Pile Wall to the Engineer for review and approval prior to construction of drill soldier pile wall.

Contractor to provide design for Precast Lagging. See Special Provisions for Drilled Soldier Pile Retaining Wall.

DESIGNED - T.J.Z
CHECKED - C.W.C
DRAWN - D.L.H
CHECKED - C.W.C, S.D.S

**WHKS & CO.**  
ENGINEERING

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

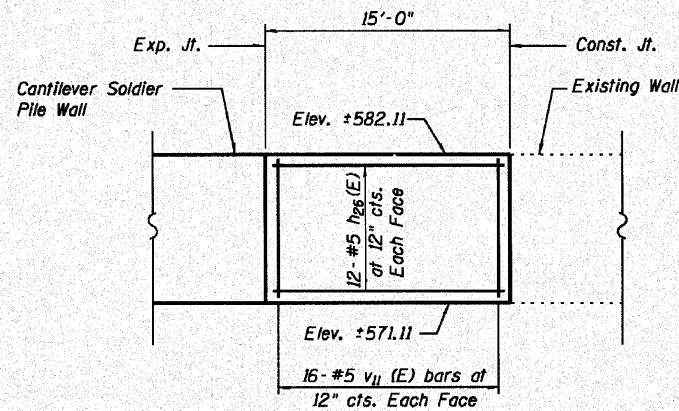
**NORTH RETAINING WALL**  
**STRUCTURE NO. 082-0176**

SHEET NO. 22	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34 SHEETS	64	82-5K-2	ST. CLAIR	162	105
			CONTRACT NO. 76D59		
ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

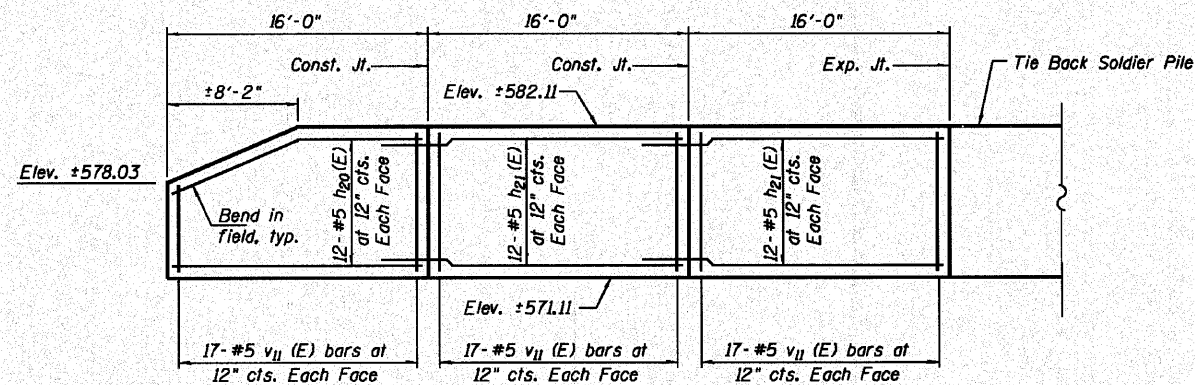
**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
$h_{20}(E)$	24	#5	15'-8"	—
$h_{21}(E)$	48	#5	19'-3"	—
$h_{25}(E)$	24	#5	14'-8"	—
$v_{11}(E)$	134	#5	10'-8"	—
Concrete Structures		Cu. Yd.	28.1	
Precast Concrete Lagging		Sq. Ft.	98	
Stud Shear Connectors		Each	256	
Untreated Timber Lagging		Sq. Ft.	397	
Reinforcement Bars, Epoxy Coated		Pound	3,210	
Furnishing Soldier Piles (HP Section)		Foot	400	
Geocomposite Wall Drain		Sq. Yd.	53	
Pipe Underdrains for Structures 4"		Foot	63	
Concrete Gutter, Type B		Foot	63	
Permanent Ground Anchor		Each	4	
Drilling and Setting Soldier Piles (In Soil)		Cu. Ft.	343	
Driving Soldier Piles		Foot	291	
Concrete Sealer		Sq. Ft.	490	



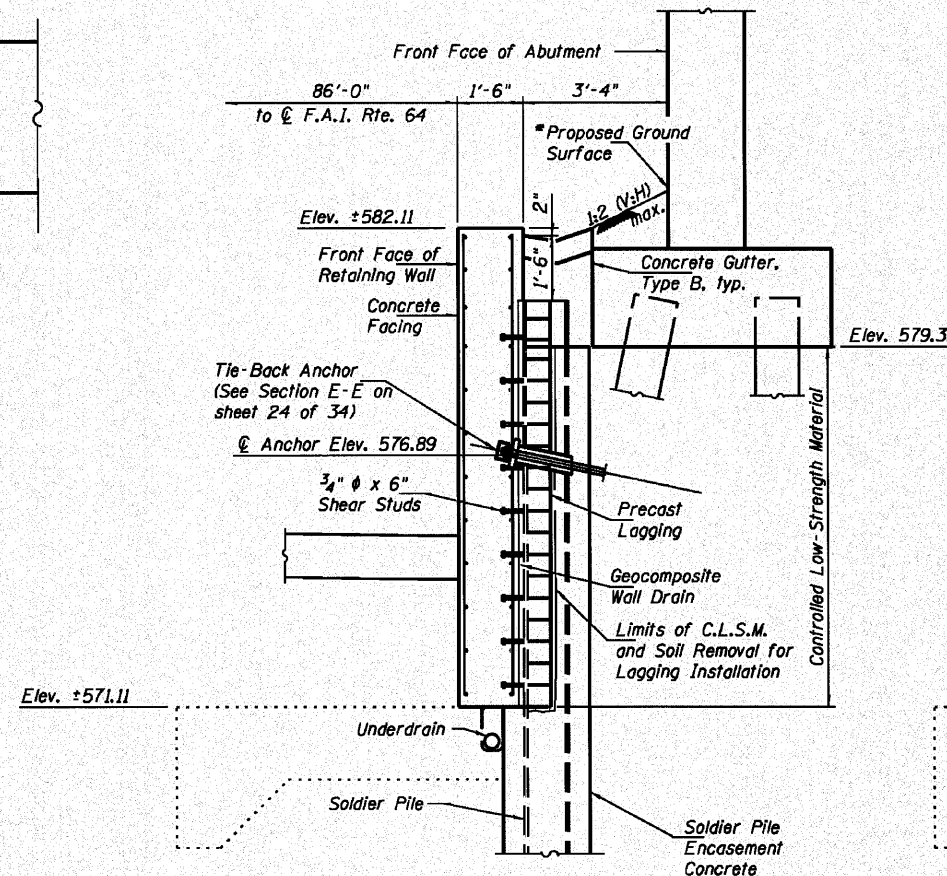
**CONCRETE FASCIA ELEVATION AT TIE-BACK SOLDIER PILE WALL**

Note:  
Cut  $v_{11}(E)$  bars in field at ends of wall.

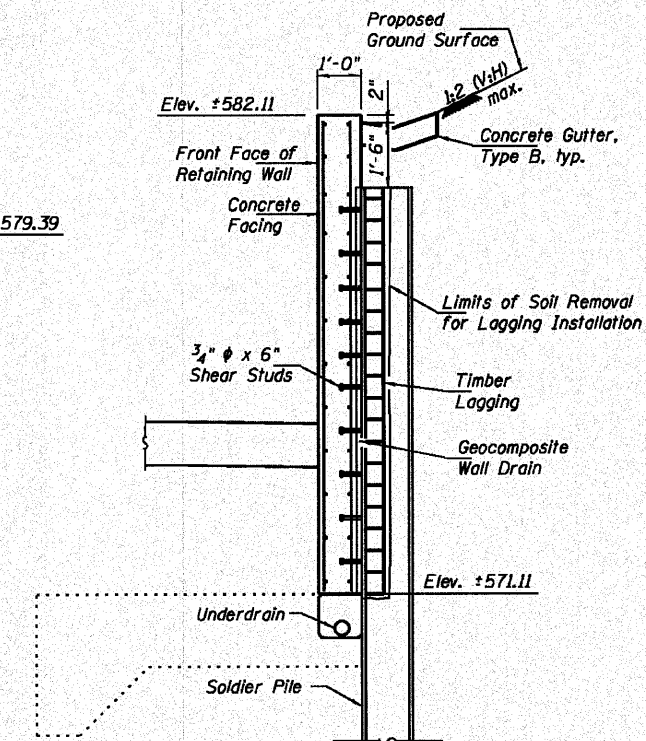


**CONCRETE FASCIA ELEVATION AT CANTILEVER SOLDIER PILE WALL**  
(West End Shown)

\* Proposed ground surface to be finished with coarse aggregate. Cost included with "Concrete Gutter, Type B".



**SECTION A-A**



**SECTION B-B**

**NORTH RETAINING WALL DETAILS**  
**STRUCTURE NO. 082-0176**

SHEET NO. 23	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34 SHEETS	64	82-5K-2	ST. CLAIR	162	106
CONTRACT NO. 76D59					
ILLINOIS FED. AID PROJECT					

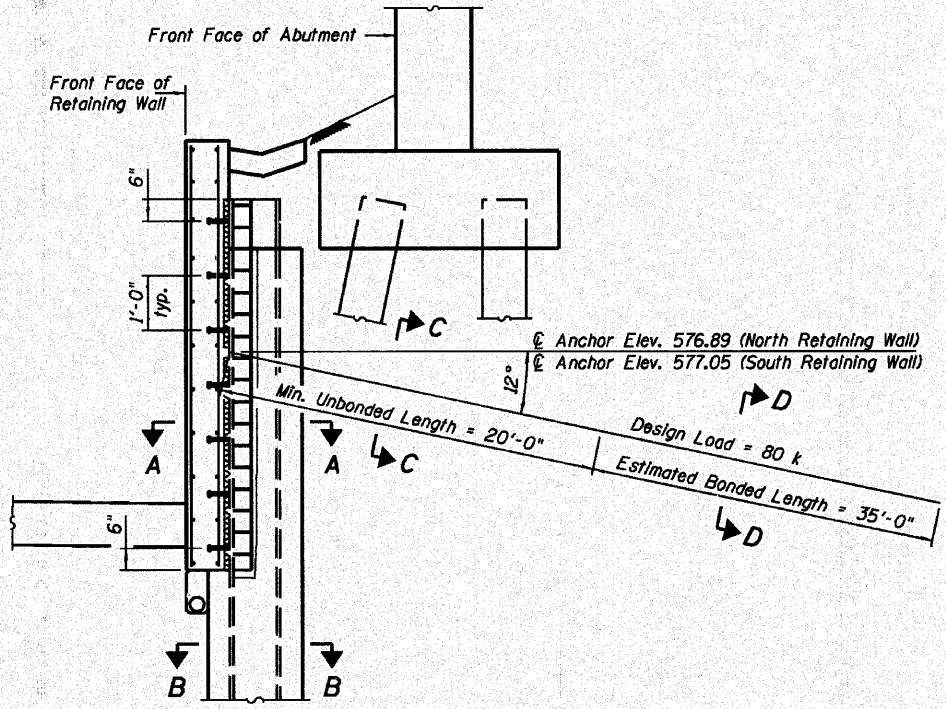
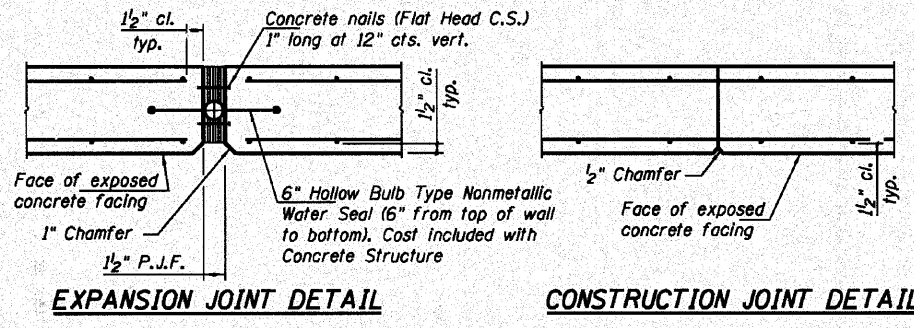
DESIGNED - T.J.Z.
CHECKED - C.W.C.
DRAWN - D.L.H.
CHECKED - C.W.C., S.D.S.

**WHKS & CO.**  
ENGINEERING

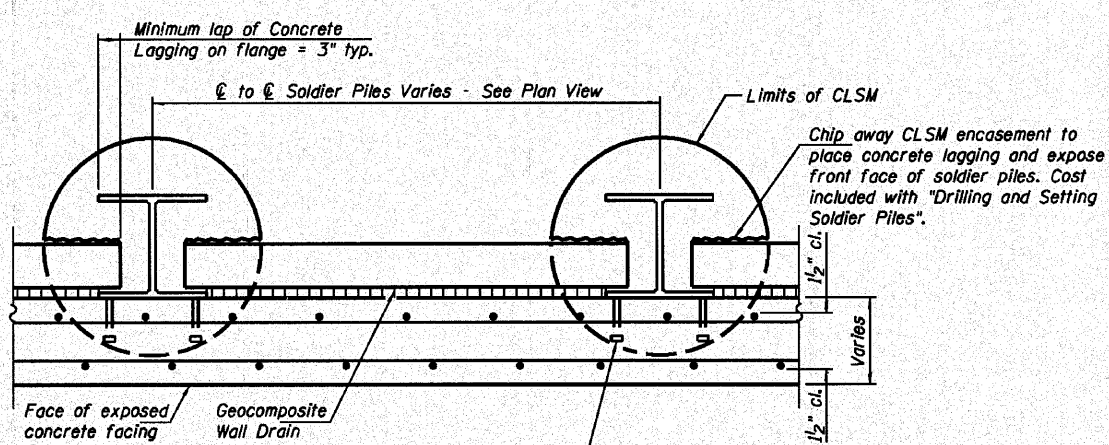
7018 KINGSMILL CT.,  
SPRINGFIELD, IL  
(217) 483-9457  
DESIGN FIRM #184001036



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

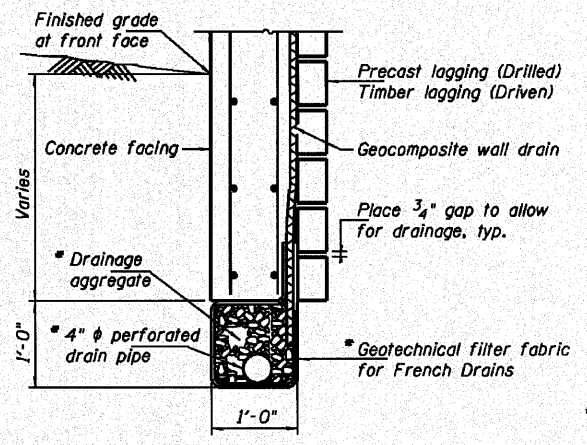


TYPICAL SECTION THRU DRILLED SOLDIER PILE WALL

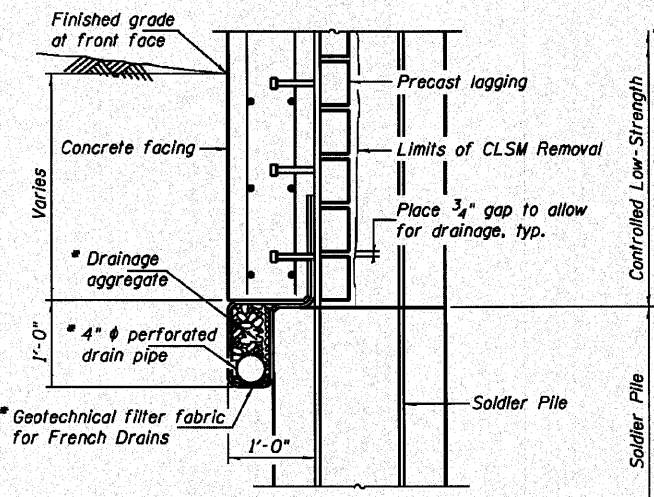


SECTION A-A

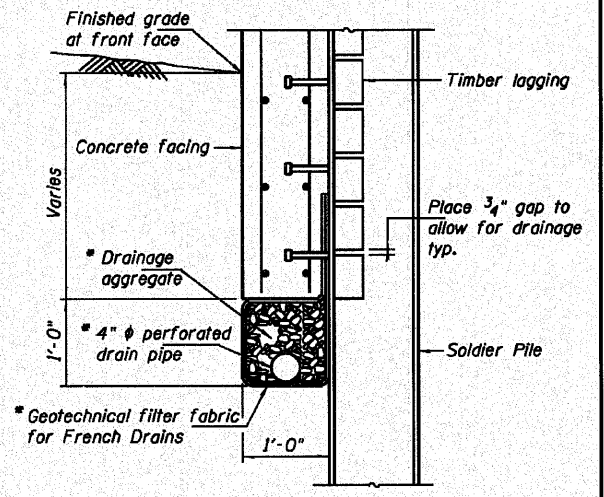
Granular or solid flux filled headed stud conforming to Article 1006.32 of the Standard Specifications. Automatically end welded



SECTION OF DRAIN DETAIL BETWEEN DRILLED AND DRIVEN SOLDIER PILES

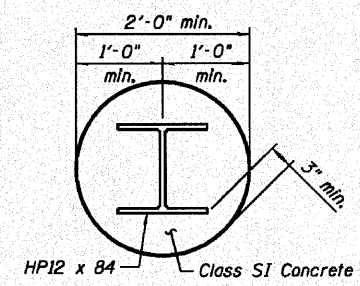


SECTION OF DRAIN DETAIL AT DRILLED SOLDIER PILES

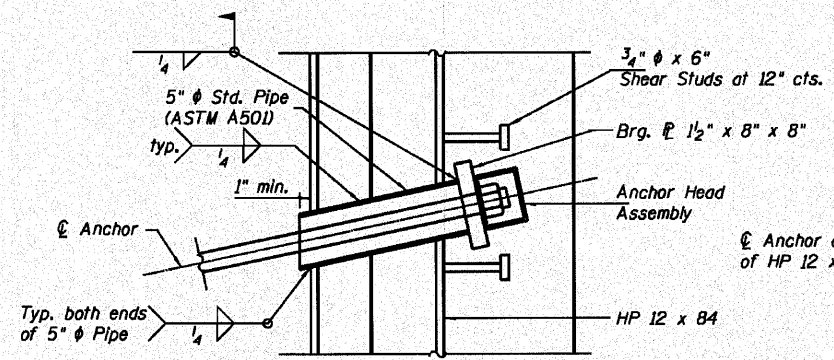


SECTION OF DRAIN DETAIL AT DRIVEN SOLDIER PILES

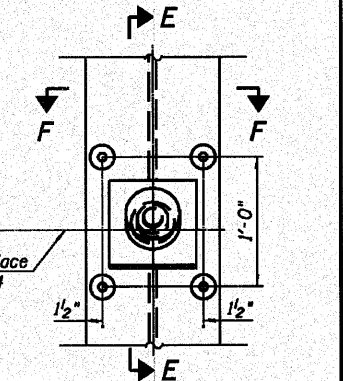
\* Included in the cost of "Pipe Underdrains for Structures 4".



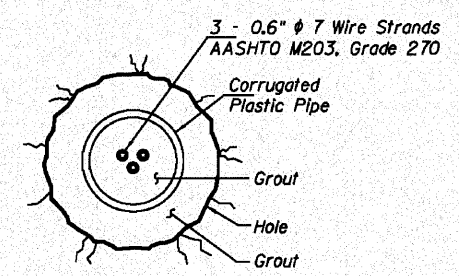
SECTION B-B



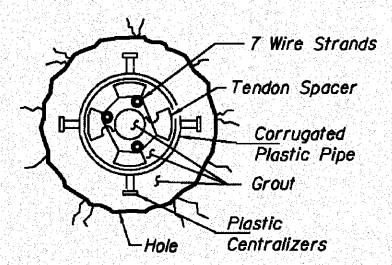
SECTION E-E



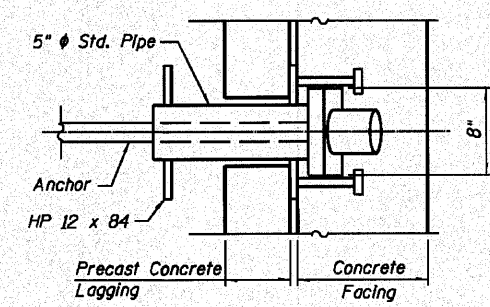
ANCHORAGE HEAD ELEVATION



SECTION C-C



SECTION D-D



SECTION F-F

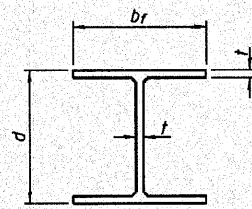
SOLDIER PILE WALL DETAILS  
STRUCTURE NO. 082-0176

DESIGNED - T.J.Z  
 CHECKED - C.W.C  
 DRAWN - DLH  
 CHECKED - C.W.C, SDS

**WHKS & CO.**  
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 DESIGN FIRM #184001036

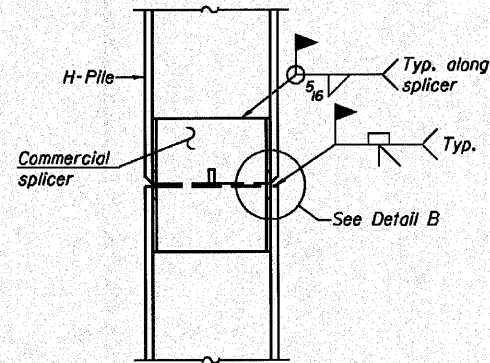
SHEET NO. 24 34 SHEETS	F.A. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 107
	CONTRACT NO. 76D59				
ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

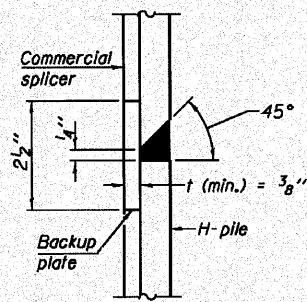


STEEL PILE TABLE

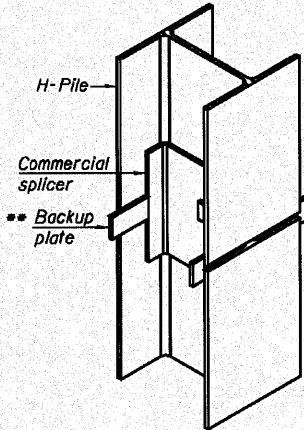
Designation	Depth d	Flange width br	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	3/16"	30"
x102	14"	14 3/4"	1/16"	30"
x89	13 5/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



ELEVATION

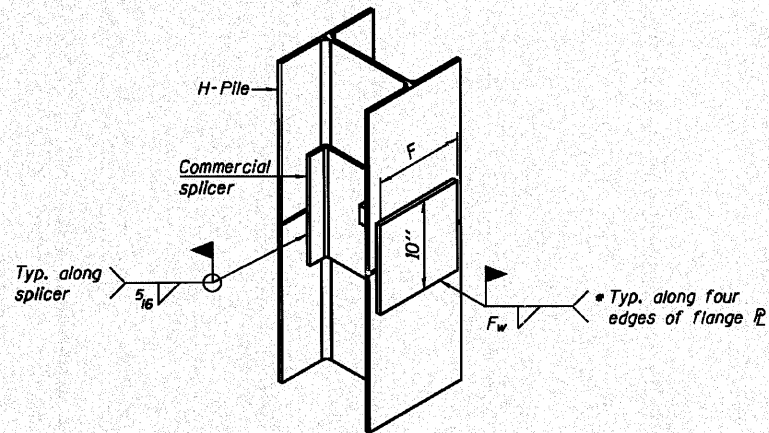


DETAIL "B"



ISOMETRIC VIEW

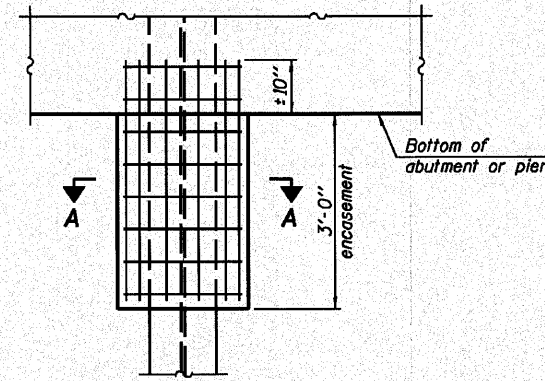
WELDED COMMERCIAL SPLICE



ISOMETRIC VIEW

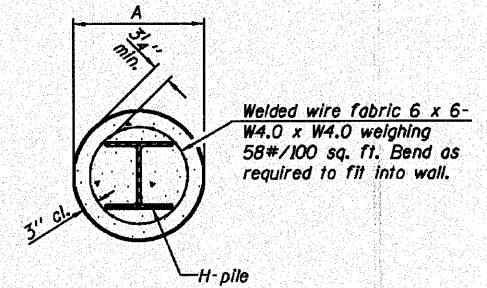
WELDED COMMERCIAL SPLICE ALTERNATE

- Interrupt welds 1/4" from end of web and/or each flange.
- Remove portions of backup plates that extend outside the flanges.
- Weld size per pile shoe manufacturer (5/16" min.).



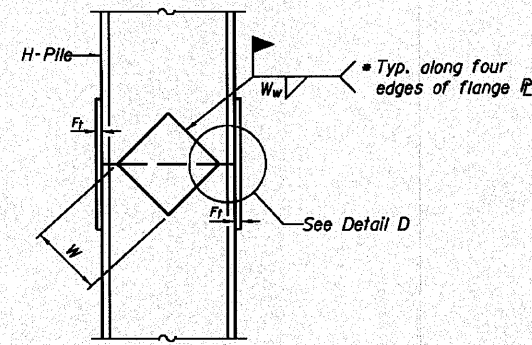
ELEVATION

PILE ENCASEMENT

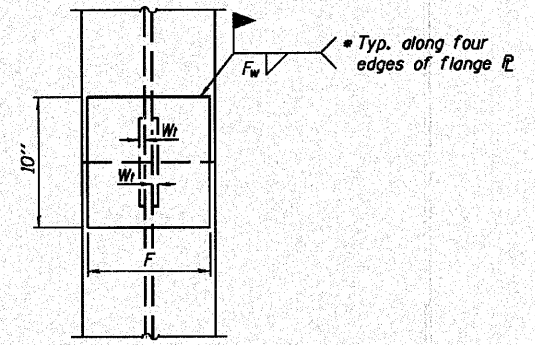


SECTION A-A

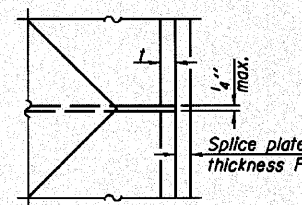
Note:  
Forms for encasement may be omitted when soil conditions permit.



ELEVATION



END VIEW

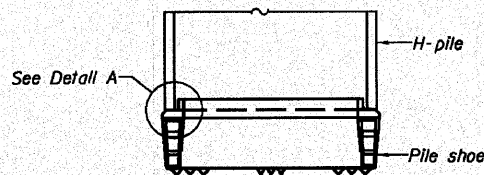


DETAIL D

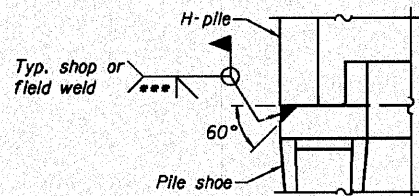
Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

WELDED PLATE FIELD SPLICE

Note:  
The steel H-piles shall be according to AASHTO M270 Grade 50.



ELEVATION



DETAIL A

H-PILE SHOE ATTACHMENT

DESIGNED - T.J.Z
CHECKED - C.W.C
DRAWN - D.L.H
CHECKED - C.W.C, S.D.S

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

F-HP

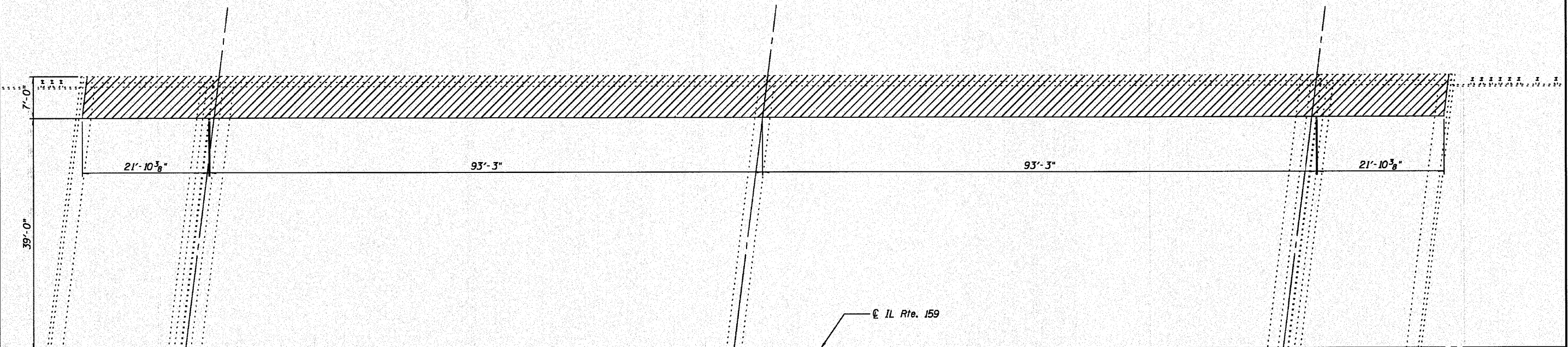
11-1-09

HP PILE DETAILS  
STRUCTURE NO. 082-0176

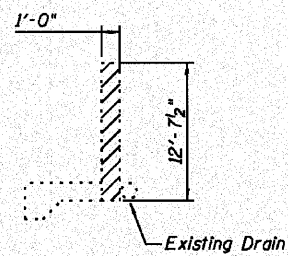
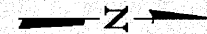
SHEET NO. 25 34 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	64	82-5K-2	ST. CLAIR	162	108
CONTRACT NO. 76D59					
ILLINOIS FED. AID PROJECT					



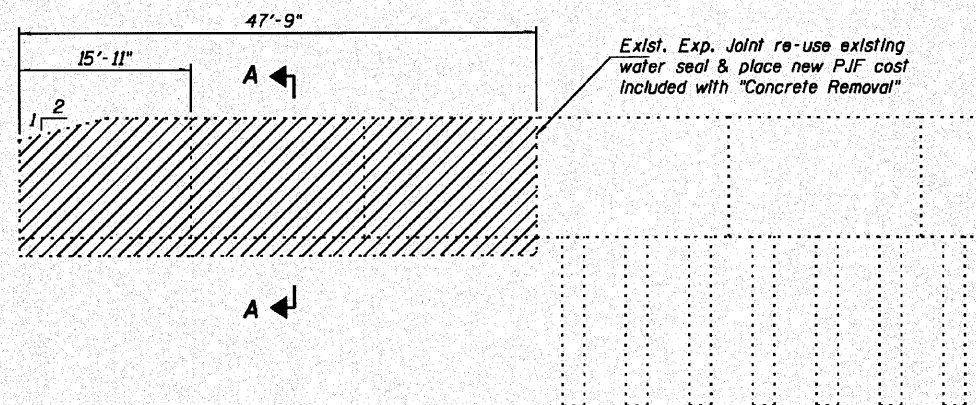
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



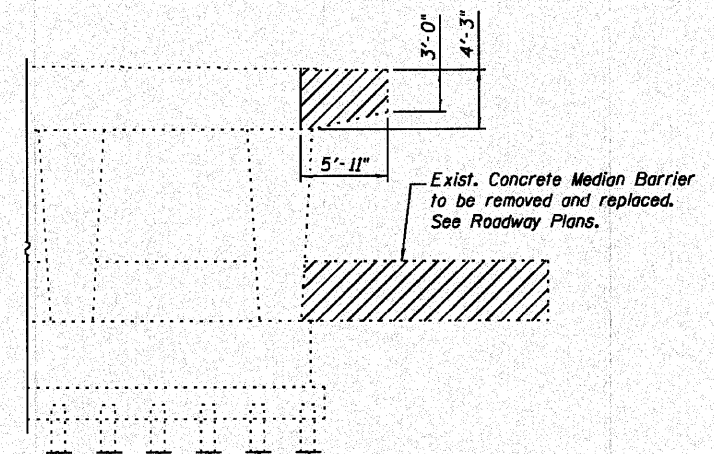
**PARTIAL DECK PLAN**



**SECTION A-A**



**NORTH RETAINING WALL**



**PIER AND CONCRETE MEDIAN BARRIER**

**Notes:**

Existing reinforcement extending into removed areas shall be cleaned, straighten and incorporated into new construction as shown on sheets 8, 10 and 18 of 34.  
Removal of North Retaining Wall shall be coordinated with Construction of new wall and Contractor shall exercise caution during removal to avoid damage to existing abutment, footing and piles.  
Connect existing drain to new drain cost included with "Pipe Underdrains for Structures, 4"

**BILL OF MATERIAL**

Concrete Removal	Cu. Yd.	23.2
Removal of Existing Concrete Deck	Each	1

Indicates area to be removed.

**CONCRETE REMOVAL  
STRUCTURE NO. 082-0176**

SHEET NO. 26	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	64	82-5K-2	ST. CLAIR	162	109
34 SHEETS			CONTRACT NO. 76D59		
ILLINOIS FED. AID PROJECT					

DESIGNED - T.JZ
CHECKED - CWC
DRAWN - DLH
CHECKED - CWC, SDS

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



Illinois Department of Transportation  
Division of Highways  
Road Department of Transportation

SOIL BORING LOG

Page 2 of 2

ROUTE FAI 64 DESCRIPTION IL 150 over FAI 64 (Re-Formatted 1958 Boring Log) LOGGED BY H.W. Lochner  
SECTION B2-14.5.61-1R LOCATION NW 1/4, SEC. 27, TWP. 2N, R9E, RW. 3 PM  
COUNTY St. Clair DRILLING METHOD Handy Stem Auger HAMMER TYPE 140#

STRUCT. NO. 082-0176 Station 537+26.79  
BORING NO. 238-1 S. App. Bent Station 33+98 (IL 150) Offset 40.308 RT (IL 150) Ground Surface Elev. 581.3 ft

DEPTH (ft)	BLOW COUNT (N)	UCS (lb/sq ft)	MOISTURE (%)	DEPT (ft)	BLOW COUNT (N)	UCS (lb/sq ft)	MOISTURE (%)
0	0			0	0		
7				7			
8				11	0.64		
12				12	0.76		
13				13			
17				17			
14	1.82			12	0.76		
17	1.38			13			
13	1.38			12			
8				17			
				17			

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, from 137 (Rev. 8-99)



Illinois Department of Transportation  
Division of Highways  
Road Department of Transportation

SOIL BORING LOG

Page 2 of 2

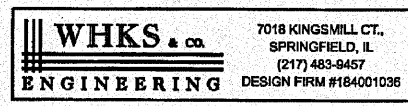
ROUTE FAI 64 DESCRIPTION IL 150 over FAI 64 (Re-Formatted 1958 Boring Log) LOGGED BY H.W. Lochner  
SECTION B2-14.5.61-1R LOCATION NW 1/4, SEC. 27, TWP. 2N, R9E, RW. 3 PM  
COUNTY St. Clair DRILLING METHOD Handy Stem Auger HAMMER TYPE 140#

STRUCT. NO. 082-0176 Station 537+26.79  
BORING NO. 238-1 S. App. Bent Station 33+98 (IL 150) Offset 40.308 RT (IL 150) Ground Surface Elev. 581.3 ft

DEPTH (ft)	BLOW COUNT (N)	UCS (lb/sq ft)	MOISTURE (%)	DEPT (ft)	BLOW COUNT (N)	UCS (lb/sq ft)	MOISTURE (%)
0	0			0	0		
25	1.70			48	2.88		
56	2.01			56			
63	2.94			63			
49	3.41			46	3.18		
61				45	2.88		
46	3.18			41	2.81		
45	2.88						
41	2.81						

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, from 137 (Rev. 8-99)

DESIGNED - TJZ  
CHECKED - CWC  
DRAWN - DLH  
CHECKED - CWC, SDS



BORING LOGS  
STRUCTURE NO. 082-0176

SHEET NO. 27	F.A. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 110
34 SHEETS					
CONTRACT NO. 76D59					
ILLINOIS FED. AID PROJECT					





STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



Illinois Department of Transportation  
Division of Highways  
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

ROUTE FAI 64 DESCRIPTION IL 159 over FAI 64 (Re-Formatted 1958 Boring Log) LOGGED BY H.W. Lochner Date 4/23/58

SECTION 82-14.5.61-1R LOCATION NW 1/4, SEC. 27, TWP. 2N, R9G, 8W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140#

STRUCT. NO. 082-0176  
Station 537+26.79  
BORING NO. 23B-3 Ctr. Pier  
Station 35+21 (IL 159)  
Offset 40.30H RT (IL 159)  
Ground Surface Elev. 579.2 ft

DEPTH ft	B L O W S	U C S	M O D E	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter ft	Upon Completion ft	After 24 Hrs. ft	D E P T H	B L O W S	U C S	M O D E	SOIL DESCRIPTION				
														(ft)	(#)	(#)	(%)	
0										7	1.01			Gray and Pinkish Silty CLAY				
7										11	1.07			Gray Silty CLAY				
11										13	1.28			Grayish Blue Silty CLAY				
13										15	1.7			Gray and Brown SILT				
15										16	1.76			Gray Silty CLAY				
16										15	1.25			Bluish Gray Silty Clay with trace of cemented sand				
17										16	1.76			Gray Silty CLAY				
18										14	1.45			Gray and Brown Silty CLAY with trace of Organics				
19										15	1.76			Gray Silty CLAY				
20										8	1.95			Gray Silty CLAY				
21										27	1.95			Brown CLAY with trace of Gravel				

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, from 137 (Rev. 8-89)



Illinois Department of Transportation  
Division of Highways  
Illinois Department of Transportation

SOIL BORING LOG

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ROUTE FAI 64 DESCRIPTION IL 159 over FAI 64 (Re-Formatted 1958 Boring Log) LOGGED BY H.W. Lochner Date 4/23/58

SECTION 82-14.5.61-1R LOCATION NW 1/4, SEC. 27, TWP. 2N, R9G, 8W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140#

STRUCT. NO. 082-0176  
Station 537+26.79  
BORING NO. 23B-3 Ctr. Pier  
Station 35+21 (IL 159)  
Offset 40.30H RT (IL 159)  
Ground Surface Elev. 579.2 ft

DEPTH ft	B L O W S	U C S	M O D E	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter ft	Upon Completion ft	After 24 Hrs. ft	D E P T H	B L O W S	U C S	M O D E	SOIL DESCRIPTION				
														(ft)	(#)	(#)	(%)	
25										25	2.5			Gray CLAY with trace of Gravel (continued)				
22										22	1.29			Gray CLAY with trace of fine Gravel				
27										27	1.39			Gray CLAY with trace of fine Gravel				
21										21	1.83			Gray CLAY with trace of fine Gravel				
30										30	2.08			Gray CLAY with trace of fine Gravel				
36										36	1.7			Gray CLAY with trace of Gravel				
52										52	3.29			Gray CLAY with trace of Gravel				
73										73	2.6			Gray CLAY with trace of Gravel				

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, from 137 (Rev. 8-89)

DESIGNED - T.J.Z  
CHECKED - C.W.C  
DRAWN - D.L.H  
CHECKED - C.W.C, S.D.S

**WHKS & CO.**  
ENGINEERING  
7018 KINGSMILL CT.  
SPRINGFIELD, IL  
(217) 483-9457  
DESIGN FIRM #164001036

BORING LOGS  
STRUCTURE NO. 082-0176

SHEET NO. 29	F.A. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 112
34 SHEETS		CONTRACT NO. 76D59			
ILLINOIS FED. AID PROJECT					



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



Illinois Department of Transportation  
Division of Highways  
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 4/22/58

ROUTE FAI 64 DESCRIPTION IL 159 over FAI 64 (Re-Formated 1958 Boring Log) LOGGED BY H.W. Lochner

SECTION 82-14.5(B)-1R LOCATION NW 1/4, SEC. 27, TWP. 2N, RNG. 8W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140#

STRUCT. NO. 082-0178  
Station 537+26.78  
BORING NO. 23B-4 N. Abut  
Station 38+02 (IL 159)  
Offset 33.00 FT (IL 159)  
Ground Surface Elev. 576.8 R

DEPTH	B	U	M	Surface Water Elev.	ft	D	B	U	M
ft	(%)	(%)	(%)	Stream Bed Elev.	ft	P	L	C	O
	(%)	(%)	(%)	Groundwater Elev.	ft	H	W	S	I
	(%)	(%)	(%)	First Encounter	ft	S	Cu	S	T
	(%)	(%)	(%)	Upon Completion	ft				
	(%)	(%)	(%)	After	Hrs.				
574.1				554.1		14			
571.6	7	1.55		551.6		5			
				548.6		25			
	10					16	1.28		
						16	1.83		
566.6				546.6		30			
	14					16	1.45		
						17	1.07		
				541.8		32			
						21	1.7		
559.1				539.1					
	13					31	2.38		

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, from 137 (Rev. 8-89)



Illinois Department of Transportation  
Division of Highways  
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 2

Date 4/22/58

ROUTE FAI 64 DESCRIPTION IL 159 over FAI 64 (Re-Formated 1958 Boring Log) LOGGED BY H.W. Lochner

SECTION 82-14.5(B)-1R LOCATION NW 1/4, SEC. 27, TWP. 2N, RNG. 8W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140#

STRUCT. NO. 082-0178  
Station 537+26.78  
BORING NO. 23B-4 N. Abut  
Station 38+02 (IL 159)  
Offset 33.00 FT (IL 159)  
Ground Surface Elev. 576.8 R

DEPTH	B	U	M	Surface Water Elev.	ft	D	B	U	M
ft	(%)	(%)	(%)	Stream Bed Elev.	ft	P	L	C	O
	(%)	(%)	(%)	Groundwater Elev.	ft	H	W	S	I
	(%)	(%)	(%)	First Encounter	ft	S	Cu	S	T
	(%)	(%)	(%)	Upon Completion	ft				
	(%)	(%)	(%)	After	Hrs.				
						35	2.34		
534.1									
						51			
531.6						45			
						45			
529.1									
						43			
						107			
						115			
522.6									
						45			

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, from 137 (Rev. 8-89)

DESIGNED - TJZ  
CHECKED - CWC  
DRAWN - DLH  
CHECKED - CWC, SDS

WHKS & CO. ENGINEERING  
7018 KINGSMILL CT.,  
SPRINGFIELD, IL  
(217) 483-8457  
DESIGN FIRM #184001038

BORING LOGS  
STRUCTURE NO. 082-0176

SHEET NO. 30	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34 SHEETS	64	82-5K-2	ST. CLAIR	162	113
			CONTRACT NO. 76D59		
ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



Illinois Department  
of Transportation

SOIL BORING LOG

Page 1 of 2

ROUTE FAI 64 DESCRIPTION IL 158 over FAI 64 (Re-Formatted 1958 Boring Log) LOGGED BY H.W. Lochner  
SECTION 82-4.5.8-1R LOCATION NW 1/4, SEC. 27, TWP. 2N, RNG. 8W, 3 PM  
COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140R

STRUCT. NO. 082-0176 Station 537+26.79  
BORING NO. 23B-S N. App. Bent Station 38+44 (IL 158) Offset 36.70M RT (IL 158)  
Ground Surface Elev. 579.5 ft (M) (8") (1st) (%)

DEPTH (ft)	DESCRIPTION	DEPT (ft)	BL (ft)	UCS (psi)	M (ft)
0	Surface Water Elev. _____ ft				
0	Stream Bed Elev. _____ ft				
0	Groundwater Elev.: _____ ft				
0	First Encounter _____ ft				
0	Upon Completion _____ ft				
0	After 72 Hrs. _____ ft				
12	Gray Silty CLAY (nonuniform)	12	1.28		
19	Reddish Brown SILT	19	1.25		
16	Gray and Reddish Brown SILT	16	1.57		
12	Gray SILT	12	1.89		
12	Blue Gray Silty CLAY	12	1.57		
15	Gray SILT	15	2.11		
15	Gray SILT	15	2.01		
13	Gray Silty CLAY	13	1.07		
35	Brown CLAY with trace of fine Gravel	35	2.57		

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 T208)  
BB9, from 137 (Rev. 8-88)



Illinois Department  
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SOIL BORING LOG

Page 2 of 2

ROUTE FAI 64 DESCRIPTION IL 158 over FAI 64 (Re-Formatted 1958 Boring Log) LOGGED BY H.W. Lochner  
SECTION 82-4.5.6-1R LOCATION NW 1/4, SEC. 27, TWP. 2N, RNG. 8W, 3 PM  
COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140R

STRUCT. NO. 082-0176 Station 537+26.79  
BORING NO. 23B-S N. App. Bent Station 38+44 (IL 158) Offset 36.70M RT (IL 158)  
Ground Surface Elev. 579.5 ft (M) (8") (1st) (%)

DEPTH (ft)	DESCRIPTION	DEPT (ft)	BL (ft)	UCS (psi)	M (ft)
36	Gray and Brown CLAY with trace of fine Gravel	36	2.89		
31	Gray CLAY with trace of fine Gravel	31	2.57		
59	Gray CLAY with trace of cemented Sand and fine Gravel	59	1.38		
53	Gray CLAY with trace of cemented Sand and fine Gravel	53	1.30		
51	Fine Gray SAND	51			
43	Gray CLAY with trace of cemented Sand and fine Gravel	43	2.89		
46	Gray CLAY with trace of cemented Sand and fine Gravel	46	2.59		
99	Gray SILT	99			

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 T208)  
BB9, from 137 (Rev. 8-88)

DESIGNED - T.J.Z.  
CHECKED - C.W.C.  
DRAWN - D.L.H.  
CHECKED - C.W.C., S.D.S.

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

BORING LOGS  
STRUCTURE NO. 082-0176

SHEET NO. 31	F.A. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 114
34 SHEETS					
CONTRACT NO. 76D59					
ILLINOIS FED. AID PROJECT					





STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



Illinois Department  
of Transportation  
Division of Highways  
Road Department of Transportation

SOIL BORING LOG

Page 1 of 1

ROUTE FAI 64 DESCRIPTION IL 159 over FAI 64 (South Abutment Retaining Wall) LOGGED BY Larry Ford  
DATE 4/22/02

SECTION 82-1/2.5.61-1R LOCATION NW 1/4, NW 1/4, SEC. 27, TWP. 2N, RNG. 8W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic 140#

STRUCT. NO. 082-0176  
Station \_\_\_\_\_  
BORING NO. 43 S. Abut  
Station 536+58  
Offset 79.00 R.T.  
Ground Surface Elev. 573.5 ft

DEPTH	BLOWS	UCS	MOIST	Surface Water Elev.	DEPTH	BLOWS	UCS	MOIST
(ft)	(#)	(tsf)	(%)	(ft)	(ft)	(#)	(tsf)	(%)

DEPTH	BLOWS	UCS	MOIST	Surface Water Elev.	DEPTH	BLOWS	UCS	MOIST
(ft)	(#)	(tsf)	(%)	(ft)	(ft)	(#)	(tsf)	(%)
0				568.5	2	1.9		
1	0.7				4	1.7		
3	F	1B			5	5/15	25	
5					6			
6	2.2				0			
8	5/15	28			3	1.5		
				567.5	4	5/15	27	
2								
2	1.2							
2	5/20	31						
2				564.5				
3	1.8							
6	5/13	45						
2				562.0				
2	1.2							
3	5/15	28						
2								
2	1.0							
4	5/15	28		557.5				
5								
2	1.4							
4	5/15	27						

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, from 137 (Rev. 8-99)

DESIGNED - T.J.Z.  
CHECKED - C.W.C.  
DRAWN - D.L.H.  
CHECKED - C.W.C., S.D.S.

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

BORING LOGS  
STRUCTURE NO. 082-0176

SHEET NO. 33	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34 SHEETS	64	82-5K-2	ST. CLAIR	162	116
			CONTRACT NO. 76D59		
ILLINOIS FED. AID PROJECT					

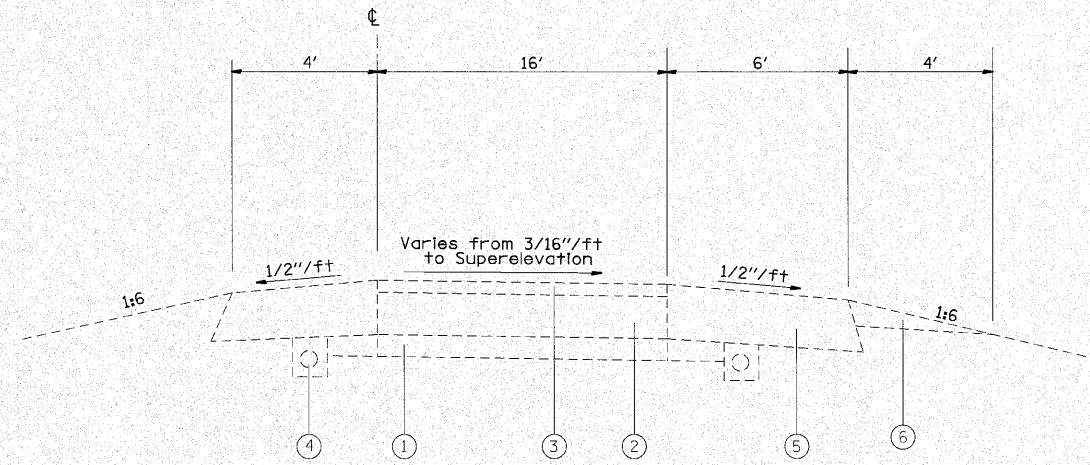




# SCHEDULE OF QUANTITIES FOR RAMPS

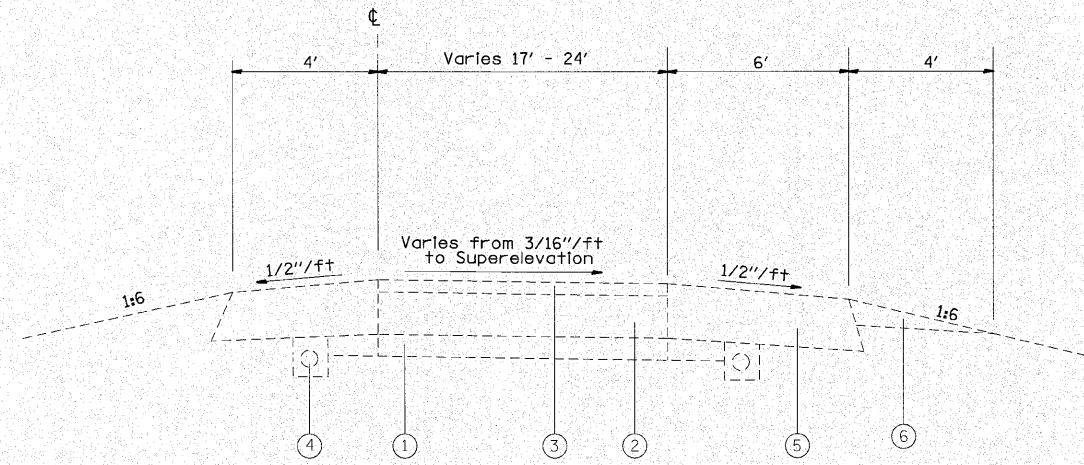
SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		I000	-----	-----	CODE NO	ITEM	UNIT		-----	-----	-----
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	8.1	8.1									
40600300	AGGREGATE (PRIME COAT)	TON	38.5	38.5									
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	451	451									
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	270	270									
40600990	TEMPORARY RAMP	SQ YD	45	45									
40603570	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	TON	676	676									
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	282	282									
44213200	SAW CUTS	FOOT	1969	1969									
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	136	136									
48203100	HOT-MIX ASPHALT SHOULDERS	TON	673	673									
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	2340	2340									
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	8581	8581									
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	260	260									
78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	8581	8581									
Z0017202	DOWEL BARS 1 1/2"	EACH	745	745									





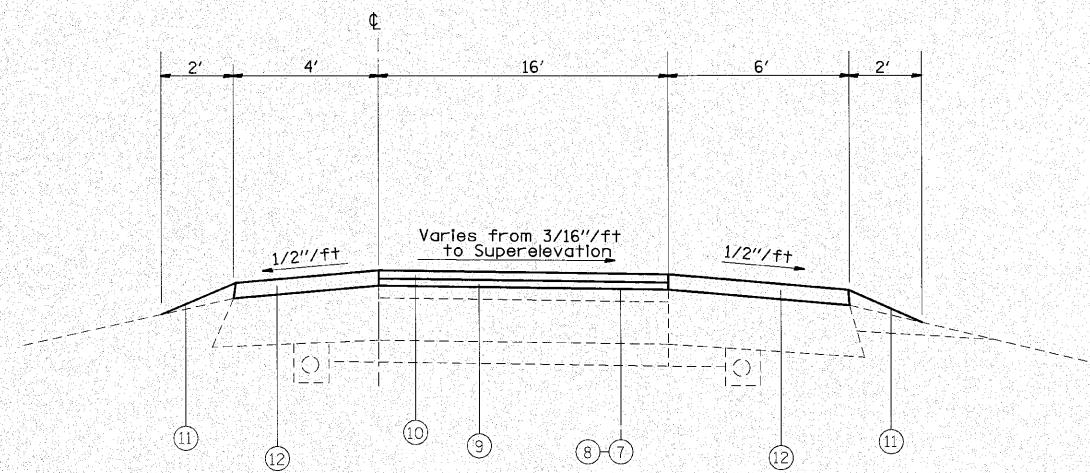
**EXISTING RAMP TYPICAL SECTION**

RAMP A STA. 0+89 TO STA. 10+67.1  
 RAMP C STA. 4+78.5 TO STA. 13+09.61  
 RAMP D STA. 1+93 TO STA. 10+14



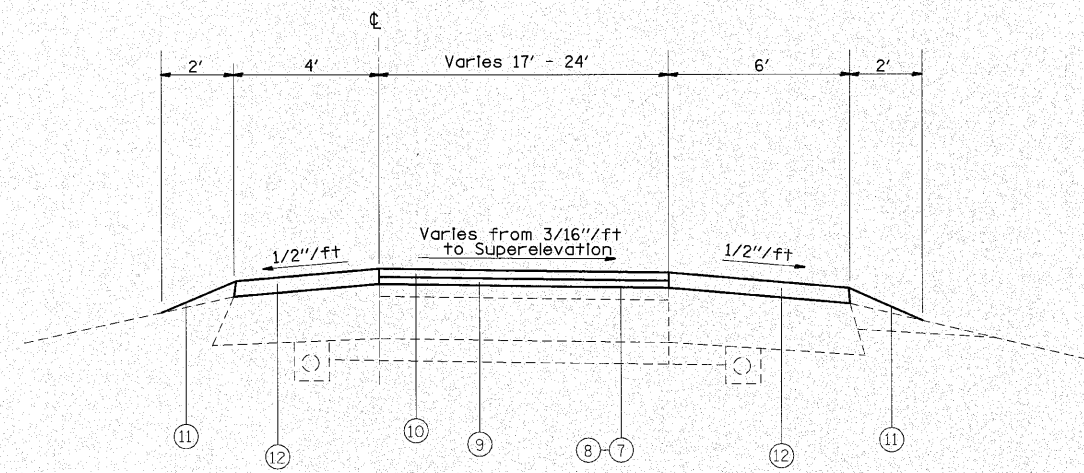
**EXISTING TYPICAL SECTION RAMP B**

STA. 6+80 TO STA. 14+27.74



**PROPOSED RAMP TYPICAL SECTION**

RAMP A STA. 0+89 TO STA. 10+67.1  
 RAMP C STA. 4+78.5 TO STA. 13+09.61  
 RAMP D STA. 1+93 TO STA. 10+14



**PROPOSED TYPICAL SECTION RAMP B**

STA. 6+80 TO STA. 14+27.74

**LEGEND**

- 1 EXISTING STABILIZED SUB-BASE, 4"
- 2 EXISTING CONTINUOUS RPCC PAVEMENT, 8"
- 3 EXISTING BITUMINOUS OVERLAY, 2 1/2"
- 4 EXISTING PIPE UNDERDRAIN
- 5 EXISTING BITUMINOUS SHOULDER, 8"
- 6 EXISTING AGGREGATE SHOULDER
- 7 PROPOSED BITUMINOUS (PRIME COAT)
- 8 PROPOSED AGGREGATE (PRIME COAT)
- 9 PROPOSED LEVELING BINDER (MACHINE METHOD), 1L-9.5FG, N90, 1"
- 10 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX E, N90, 1 1/2"
- 11 PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- 12 PROPOSED HMA SHOULDERS (TON)

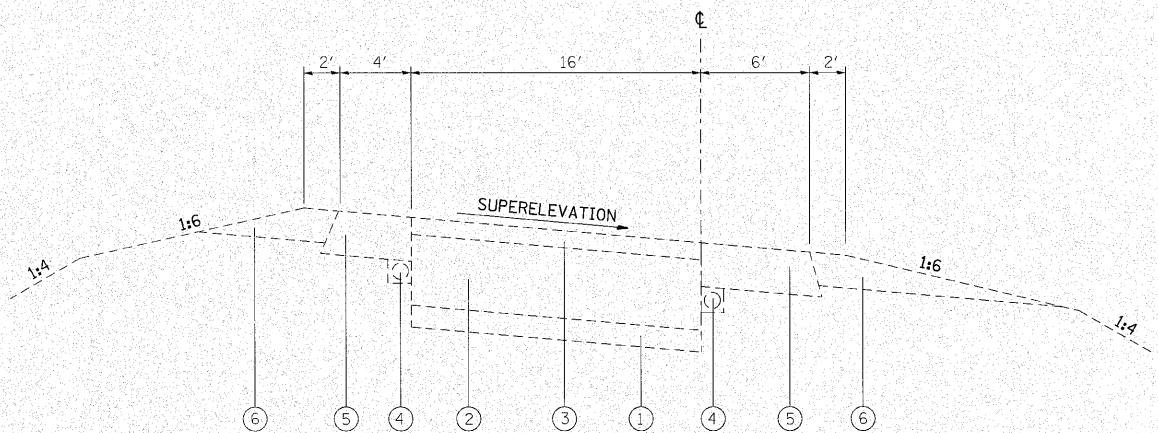
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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 8/10/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

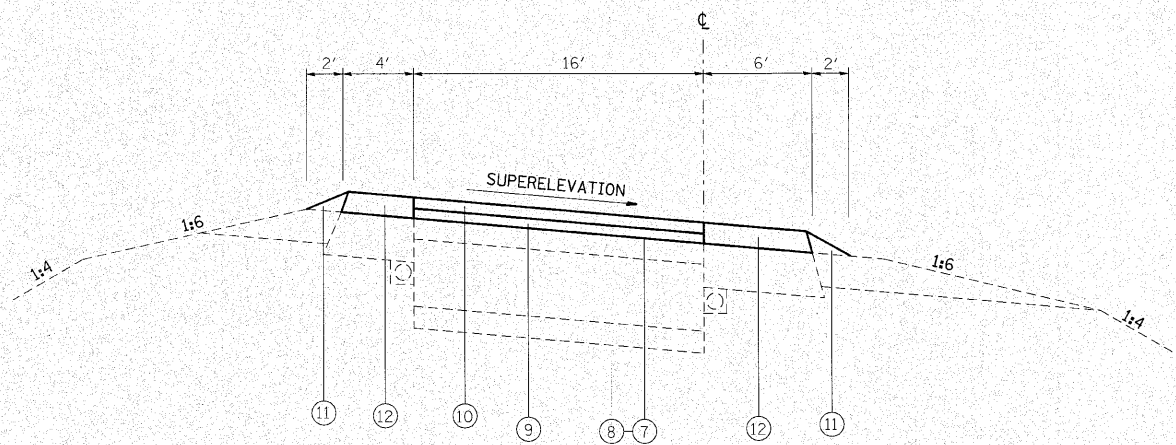
**TYPICAL SECTIONS**

SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-5k-2	ST. CLAIR	162	119
CONTRACT NO. 76D59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**EXISTING TYPICAL SECTION RAMP E**  
STA. 2+55.5 TO STA. 10+51.7



**PROPOSED TYPICAL SECTION RAMP E**  
STA. 2+55.5 TO STA. 10+51.7

**LEGEND**

- 1 EXISTING STABILIZED SUB-BASE, 4"
- 2 EXISTING CONTINUOUS RPPC PAVEMENT, 8"
- 3 EXISTING BITUMINOUS OVERLAY, 2 1/2"
- 4 EXISTING PIPE UNDERDRAIN
- 5 EXISTING BITUMINOUS SHOULDER, 8"
- 6 EXISTING AGGREGATE SHOULDER
- 7 PROPOSED BITUMINOUS (PRIME COAT)
- 8 PROPOSED AGGREGATE (PRIME COAT)
- 9 PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90, 1"
- 10 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX E, N90, 1 1/2"
- 11 PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- 12 PROPOSED HMA SHOULDERS (TON)

FILE NAME =	USER NAME = burnsideem	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\p\dot\burnsideem\d0166363\d078d91-sht-rplan2.dgn	DRAWN -	REVISED -	64			82-5k-2	ST. CLAIR	162	120	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 76059							
PLOT DATE = 8/10/2010	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
				SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____						



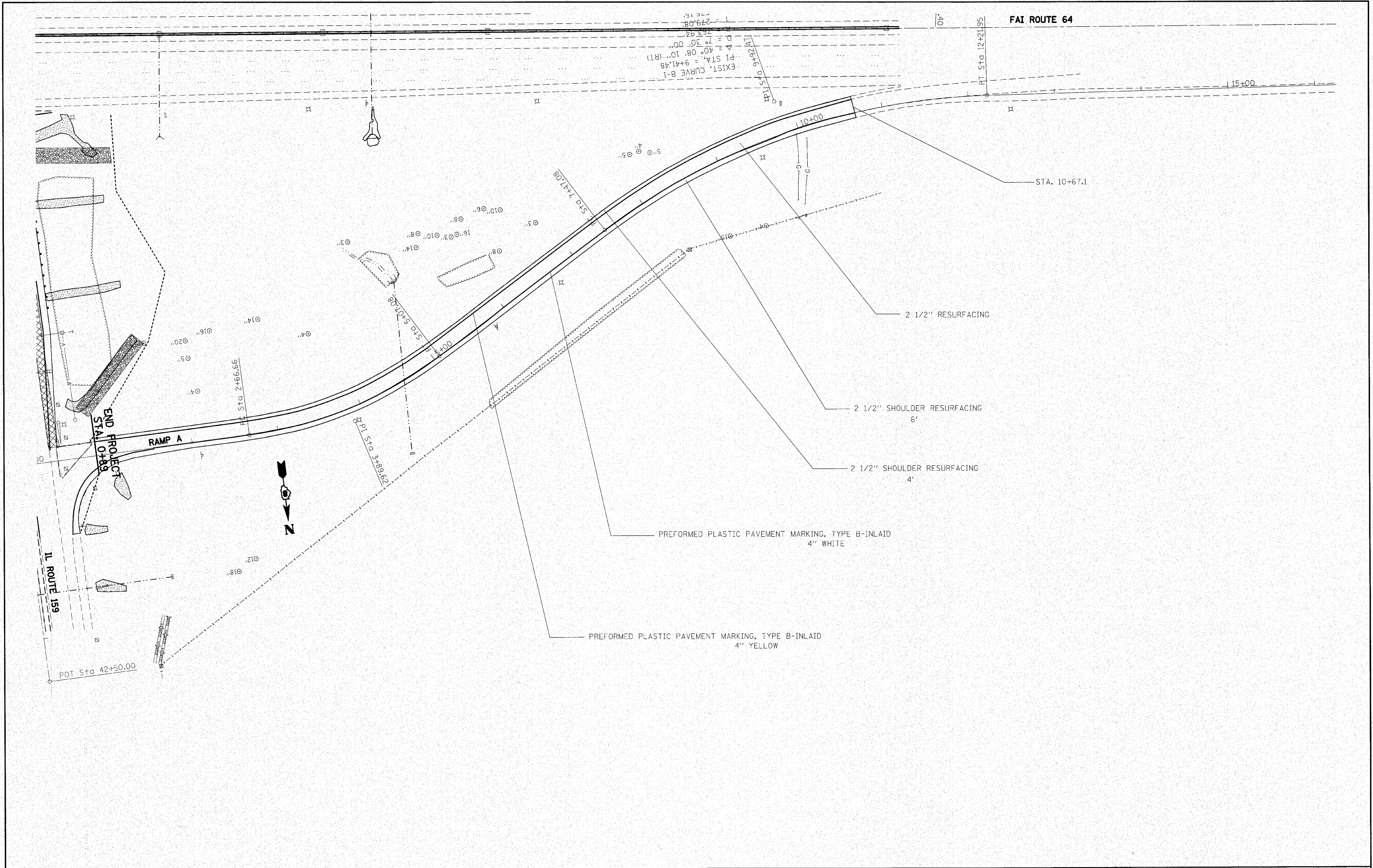
RESURFACING SCHEDULE					
LOCATION		BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	LEVELING BINDER (MACHINE METHOD) IL-9.5FG, N90, 1"	POLYMERIZED HMA SURFACE COURSE, 1 1/2"
LOCATION		(TON)	(TON)	(TON)	(TON)
RAMP "A"					
0+89	TO 10+67.1	1.1	5.2	98	146
RAMP "B"					
6+80	TO 14+27.74	1.1	5.5	102	154
RAMP "C"					
4+78.5	TO 13+09.61	1.0	4.4	83	124
RAMP "D"					
1+93	TO 10+14	0.9	4.4	82	123
RAMP "E"					
2+55.5	TO 10+51.7	1.0	4.6	86	129
TOTAL:		5.1	24.1	451	676

SHOULDER RESURFACING SCHEDULE					
LOCATION		BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	AGGREGATE WEDGE SHOULDER, TYPE B	HMA SHOULDERS, 2 1/2"
LOCATION		(TON)	(TON)	(TON)	(TON)
RAMP "A"					
0+89	TO 10+67.1	0.7	3.3	31.7	152
RAMP "B"					
6+80	TO 14+27.74	0.5	2.5	24.2	118
RAMP "C"					
4+78.5	TO 13+09.61	0.6	2.8	26.9	129
RAMP "D"					
1+93	TO 10+14	0.6	2.7	26.6	128
RAMP "E"					
2+55.5	TO 10+51.7	0.7	3.1	25.8	146
TOTAL:		3.0	14.4	136.0	673

TEMPORARY RAMPS	
LOCATION	TEMPORARY RAMPS (SQ YD)
RAMP "A"	
10+67.1	8.9
RAMP "B"	
6+80	9.4
RAMP "C"	
4+78.5	8.9
RAMP "D"	
10+14	8.9
RAMP "E"	
10+51.7	8.9
TOTAL:	45

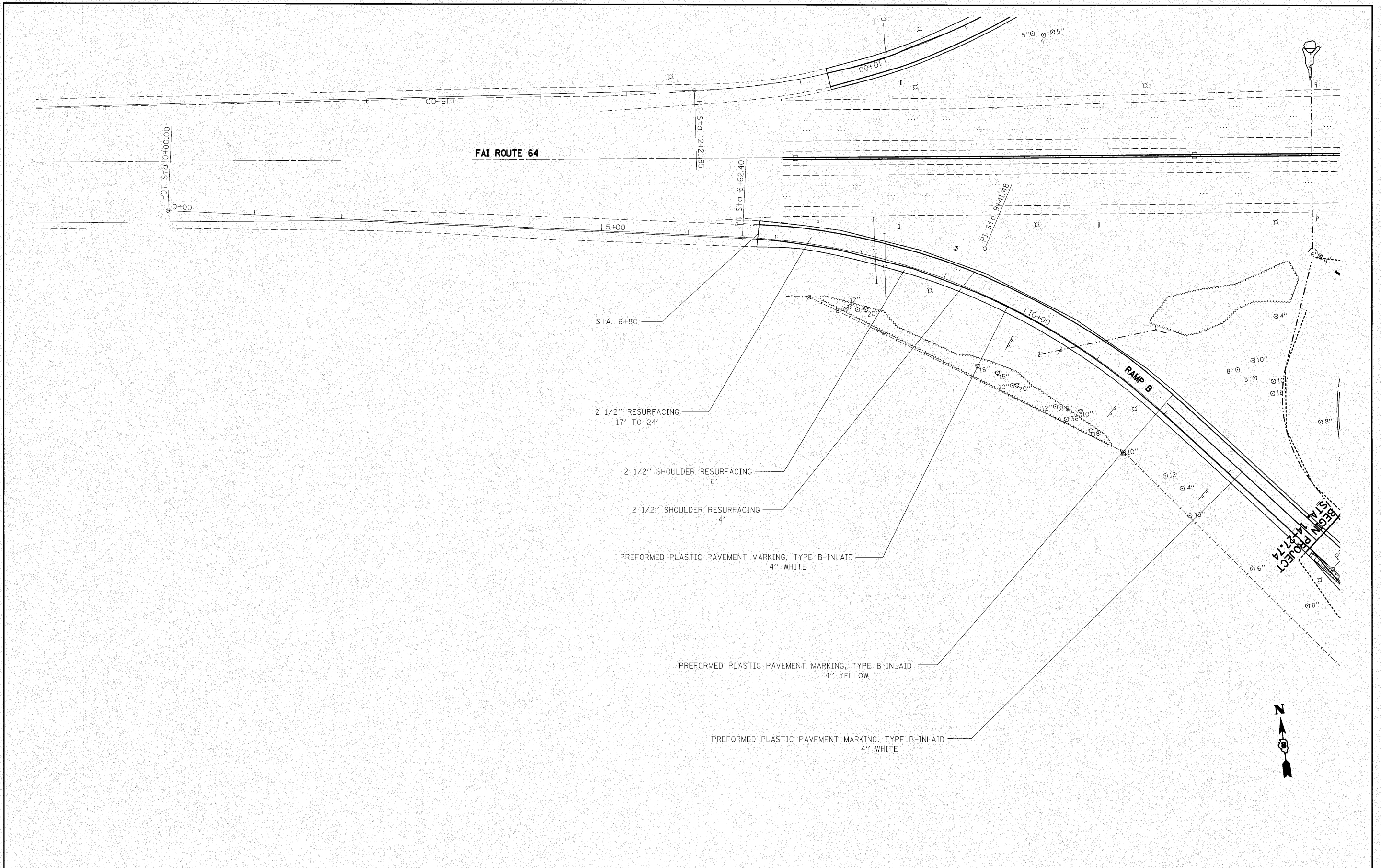
PAVEMENT MARKING SCHEDULE									
LOCATION			TEMPORARY PAVEMENT MARKING		PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID		SHORT-TERM PAVEMENT MARKING (3 LIFTS) (WHITE)	SHORT-TERM PAVEMENT MARKING (3 LIFTS) (YELLOW)	WORKZONE PAVEMENT MARKING REMOVAL
			LINE, 4" SOLID (WHITE)	LINE, 4" SOLID (YELLOW)	LINE, 4" SOLID (WHITE)	LINE, 4" SOLID (YELLOW)			
STA	TO	STA	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT
RAMP "A"									
0+89	TO	10+67.1	978	978	978	978	267	267	59
RAMP "B"									
6+80	TO	14+27.74	748	748	748	748	204	204	45
11+90	TO	14+27.74	233		233		64		7
RAMP "C"									
4+78.5	TO	13+09.61	831	831	831	831	227	227	50
RAMP "D"									
1+93	TO	10+14	821	821	821	821	224	224	50
RAMP "E"									
2+55.5	TO	10+51.7	796	796	796	796	217	217	48
SUB TOTAL:			4407	4174	4407	4174	1202	1138	260
TOTAL:			8581		8581		2340		260

PCC SURFACE REMOVAL - BUTT JOINTS	
LOCATION	BUTT JOINTS (SQ YD)
RAMP "A"	
10+67.1	53
RAMP "B"	
6+80	57
RAMP "C"	
4+78.5	53
RAMP "D"	
10+14	53
RAMP "E"	
10+51.7	53
TOTAL:	270

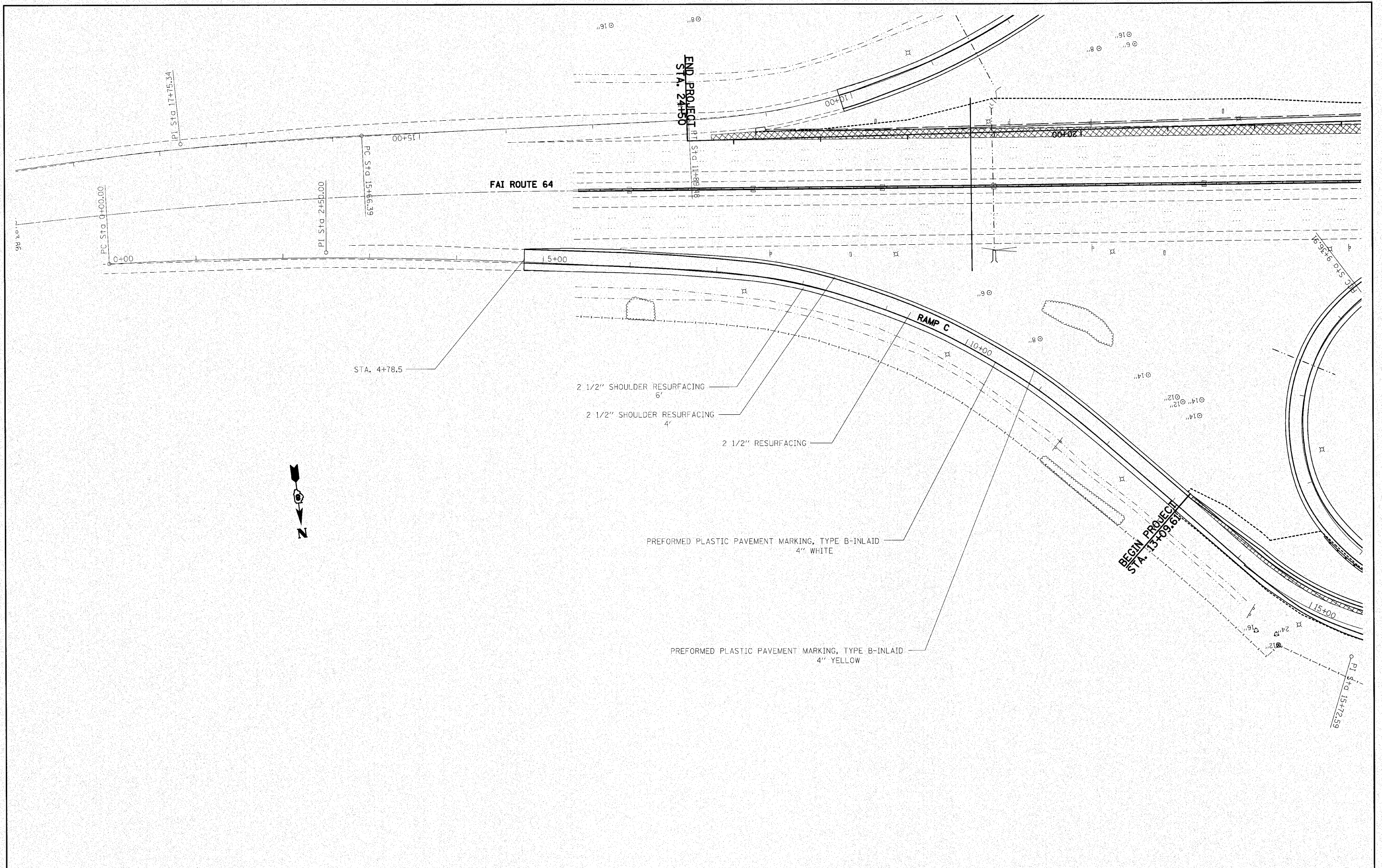


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ot:\pwork\pwork\burnsideam\2166363\d076d09-sh-t-plan2.dgn	DRAWN -	REVISED -	64			82-5K-2	ST. CLAIR	162	122	
PLOT SCALE = 50.0000' / 1" IN.	CHECKED -	REVISED -	CONTRACT NO. 76D59							
PLOT DATE = 8/18/2010	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____										





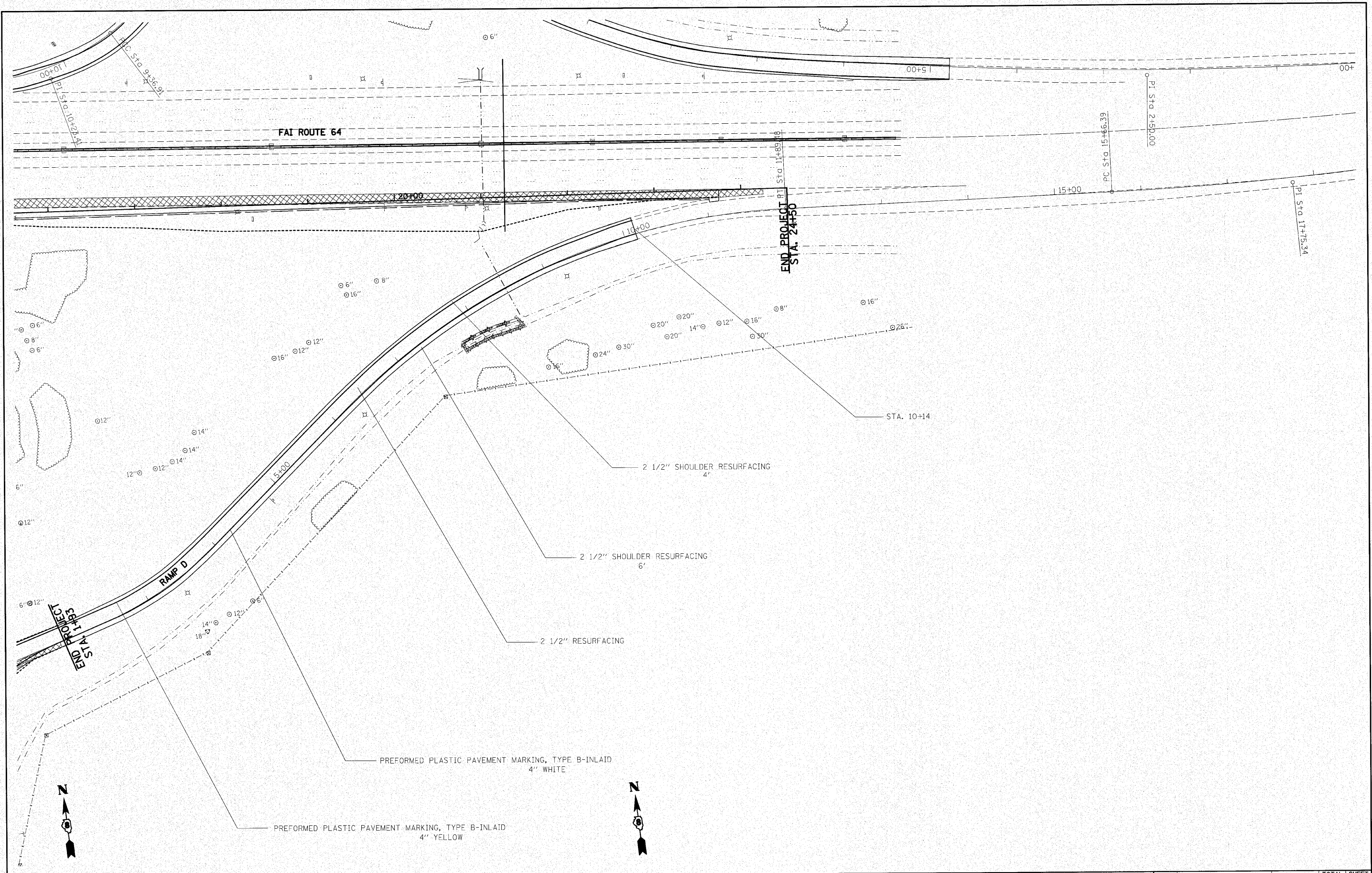
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PLOT DATE = 8/10/2010	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								



FILE NAME =	USER NAME = burnsideem	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP "C"</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 76D59					
	PLOT DATE = 8/10/2010	DATE -	REVISED -								

SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_ OF \_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_ FED. ROAD DIST. NO. \_\_\_\_\_ ILLINOIS FED. AID PROJECT





FILE NAME =  
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USER NAME = burnsideem  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

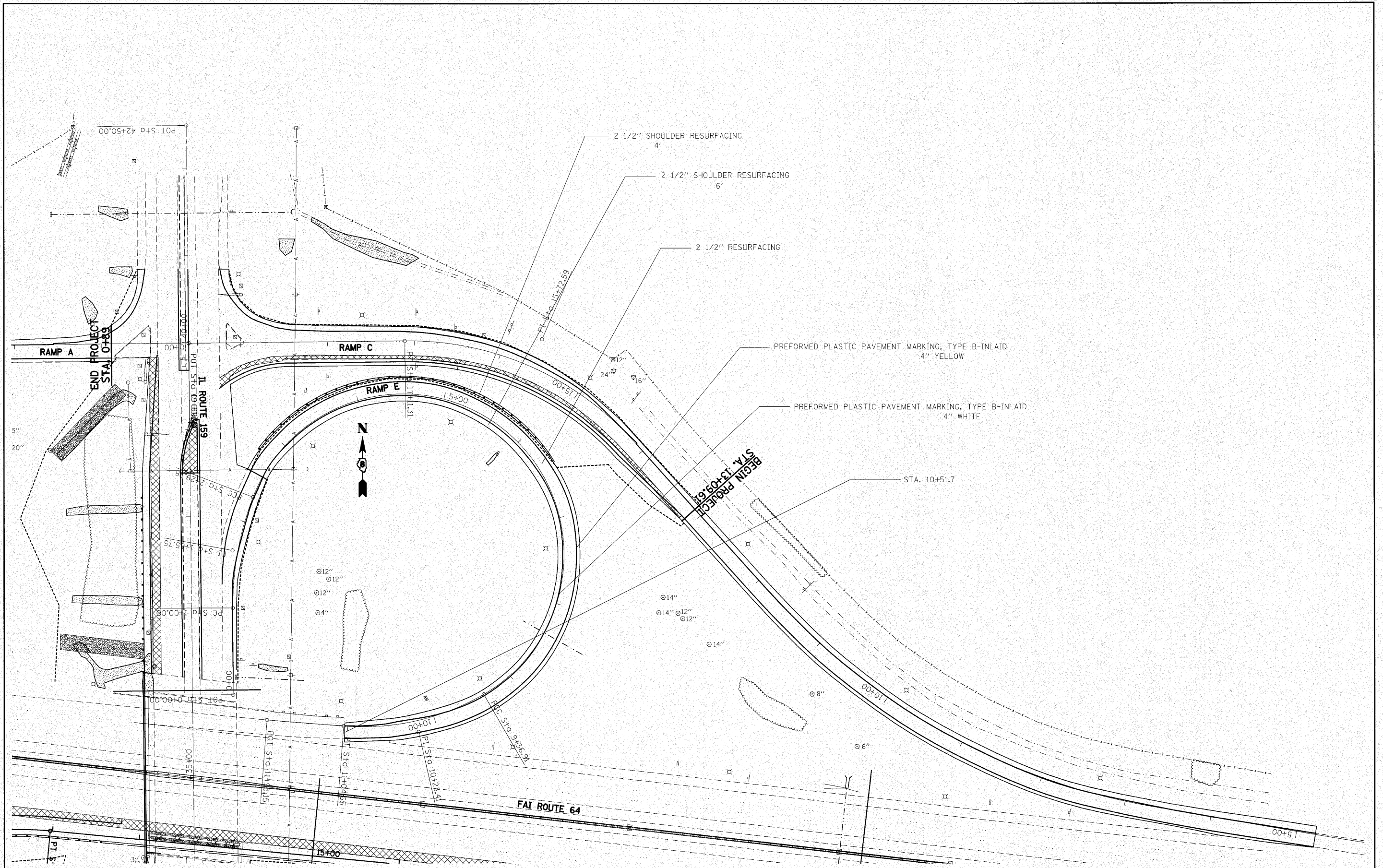
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**RAMP "D"**

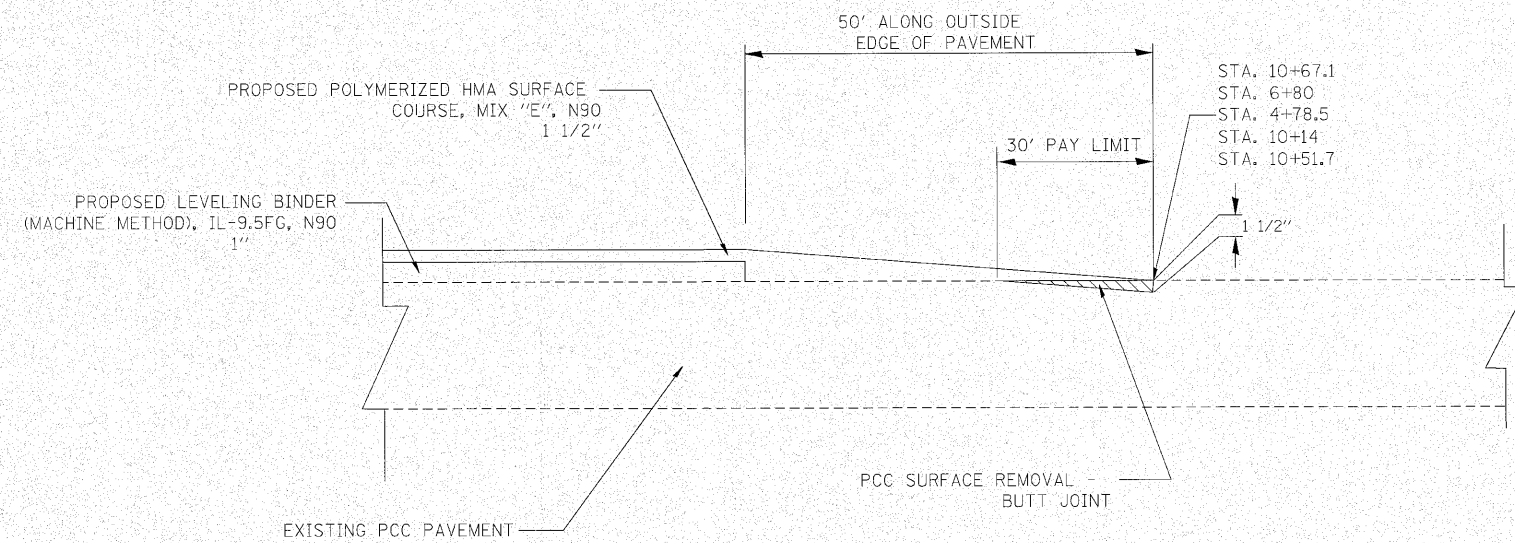
SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_ OF \_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 125
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = burnsideem	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP "E"</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\burnsideem\d0166363\d0166363	76d59-shr\plan2.dgn	DRAWN -	REVISED -		64	82-5K-2	ST. CLAIR	162	126		
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -		SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 76059				
PLOT DATE = 8/12/2010		DATE -	REVISED -		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT						





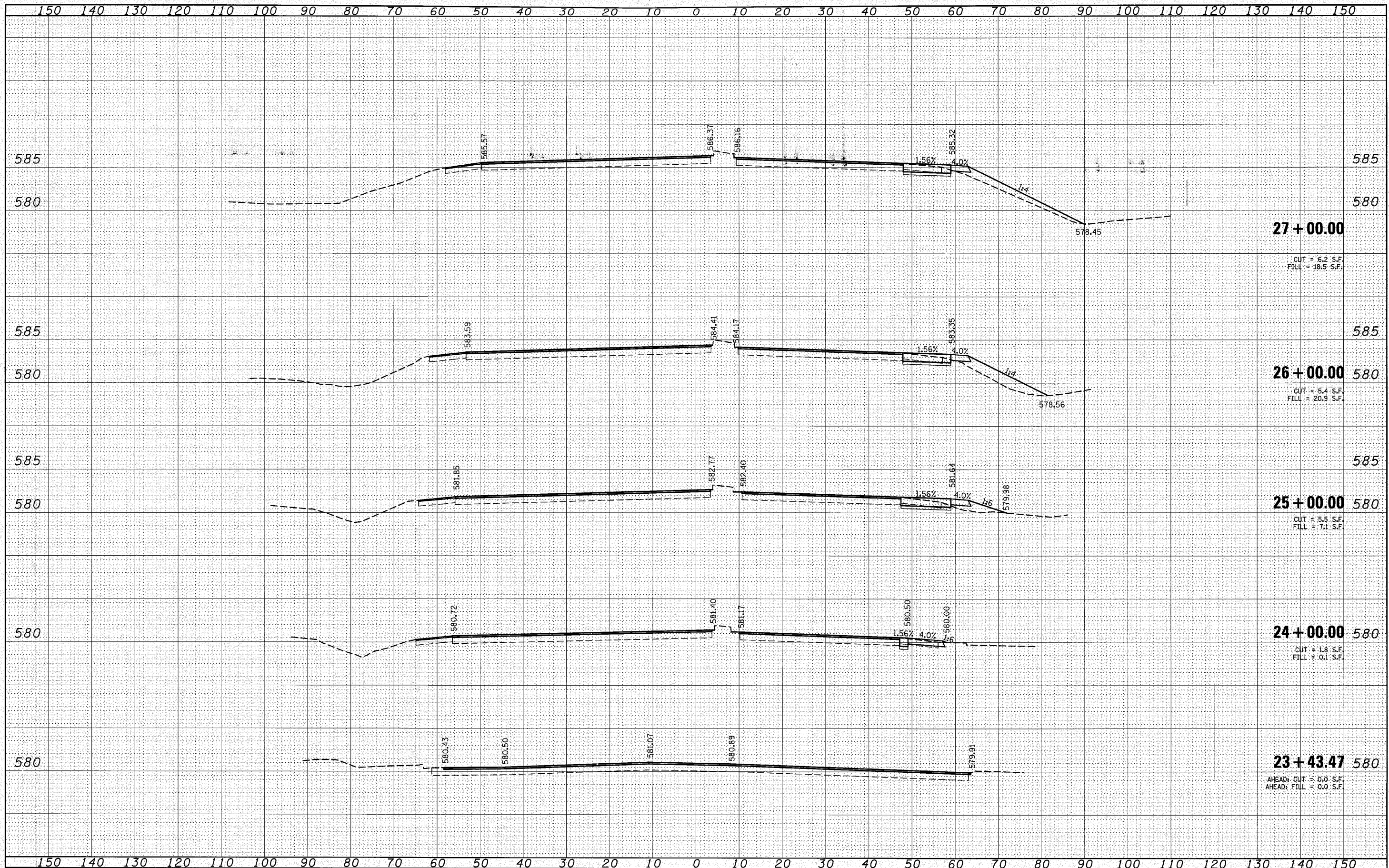
**PCC SURFACE REMOVAL - BUTT JOINT**

- RAMP A STA. 10+67.1
- RAMP B STA. 6+80
- RAMP C STA. 4+78.5
- RAMP D STA. 10+14
- RAMP E STA. 10+51.7

FILE NAME =	USER NAME = burnsideem	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAIL SHEET</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 8/10/2010	CHECKED -	REVISED -		SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -		<b>CONTRACT NO. 76D59</b>						

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

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

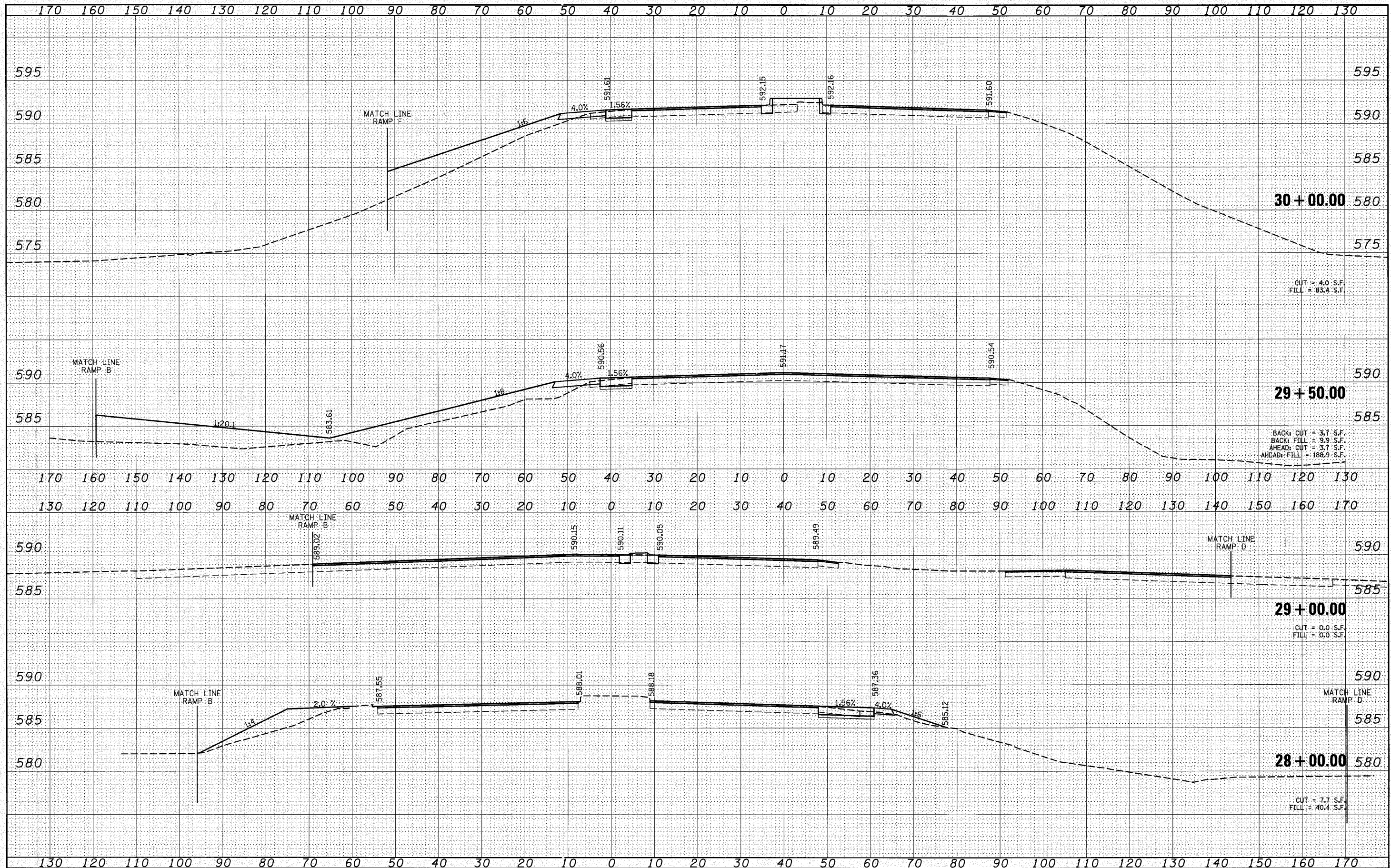


FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 159 CROSS SECTIONS</b>	F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw_work\pwt\dot\burnsideem\0210578\0876d59	ht-ksah3.dgn	DRAWN - DMW	REVISED -			64	82-5K-2	ST. CLAIR	162	128	
PLOT SCALE = 10.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76D59		ILLINOIS FED. AID PROJECT			
PLOT DATE = 8/18/2010		DATE -	REVISED -			SCALE:	SHEET NO. 1 OF 7 SHEETS	STA. 23+43.47	TO STA. 27+00.00		



FINAL SURVEY NO.	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS CHECKED		

ORIGINAL SURVEY NO.	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS CHECKED		



FILE NAME =	USER NAME = burrisdeen	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 159 CROSS SECTIONS</b>	F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 129	
CONTRACT NO. 76D59	PLLOT SCALE = 1/8" = 20.000' / IN.	DRAWN - DMW	REVISED -			SCALE:	SHEET NO. 2 OF 7 SHEETS	STA. 28+00.00	TO STA. 30+00.00	ILLINOIS FED. AID PROJECT	
	PLLOT DATE = 5/18/2010	CHECKED -	REVISED -								
		DATE	REVISED -								

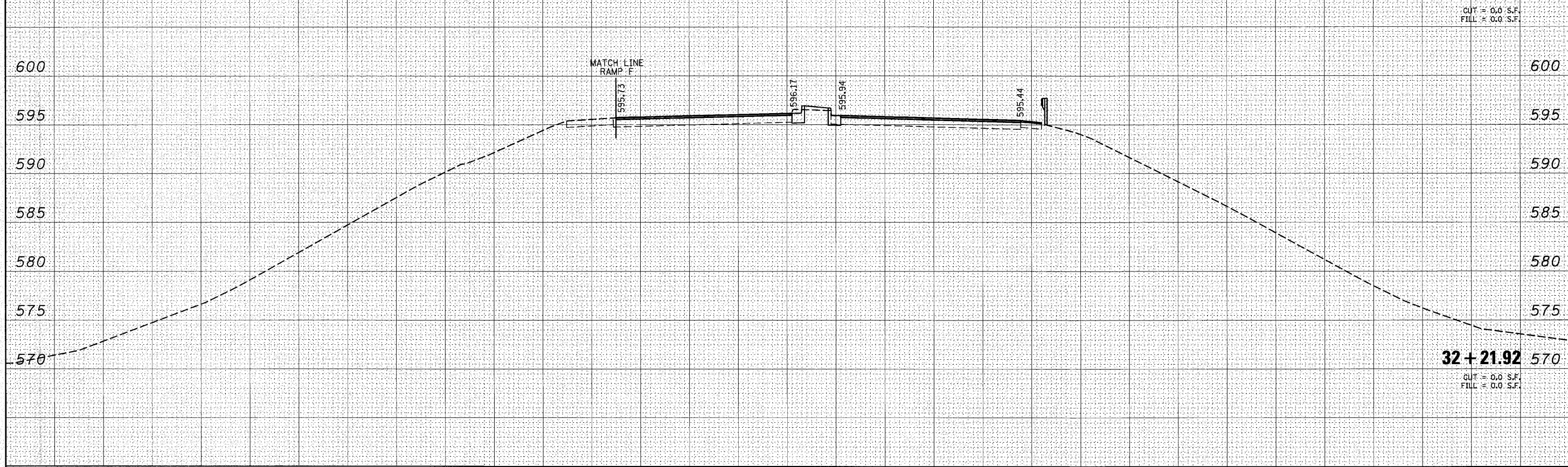
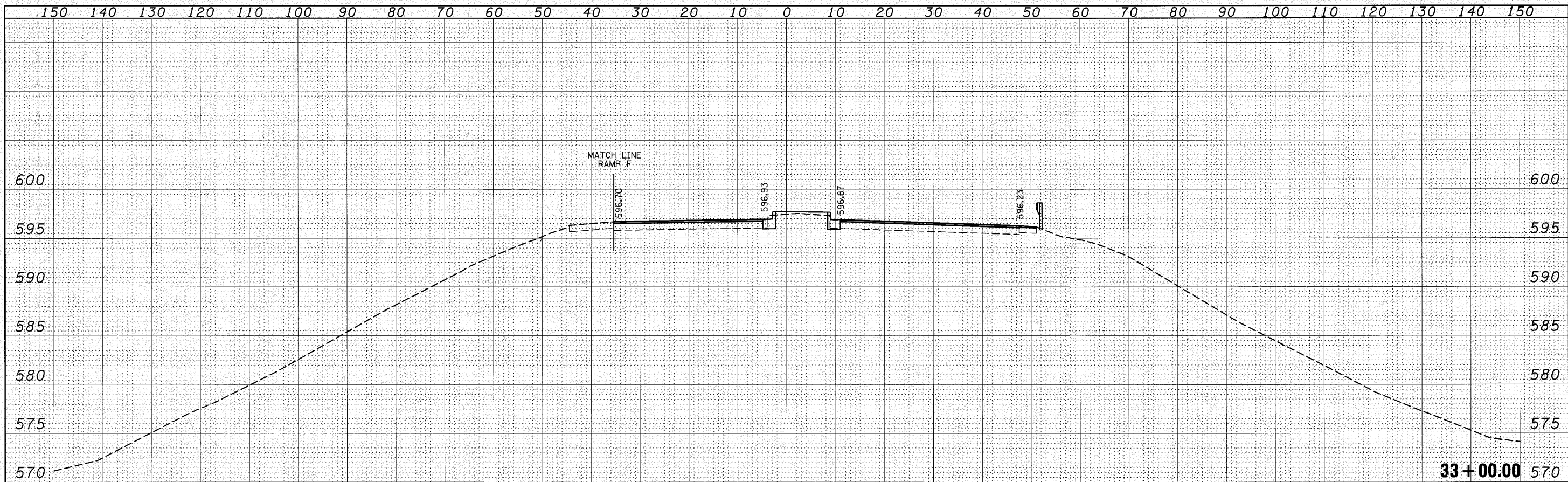






FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	
	AREAS CHECKED	

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

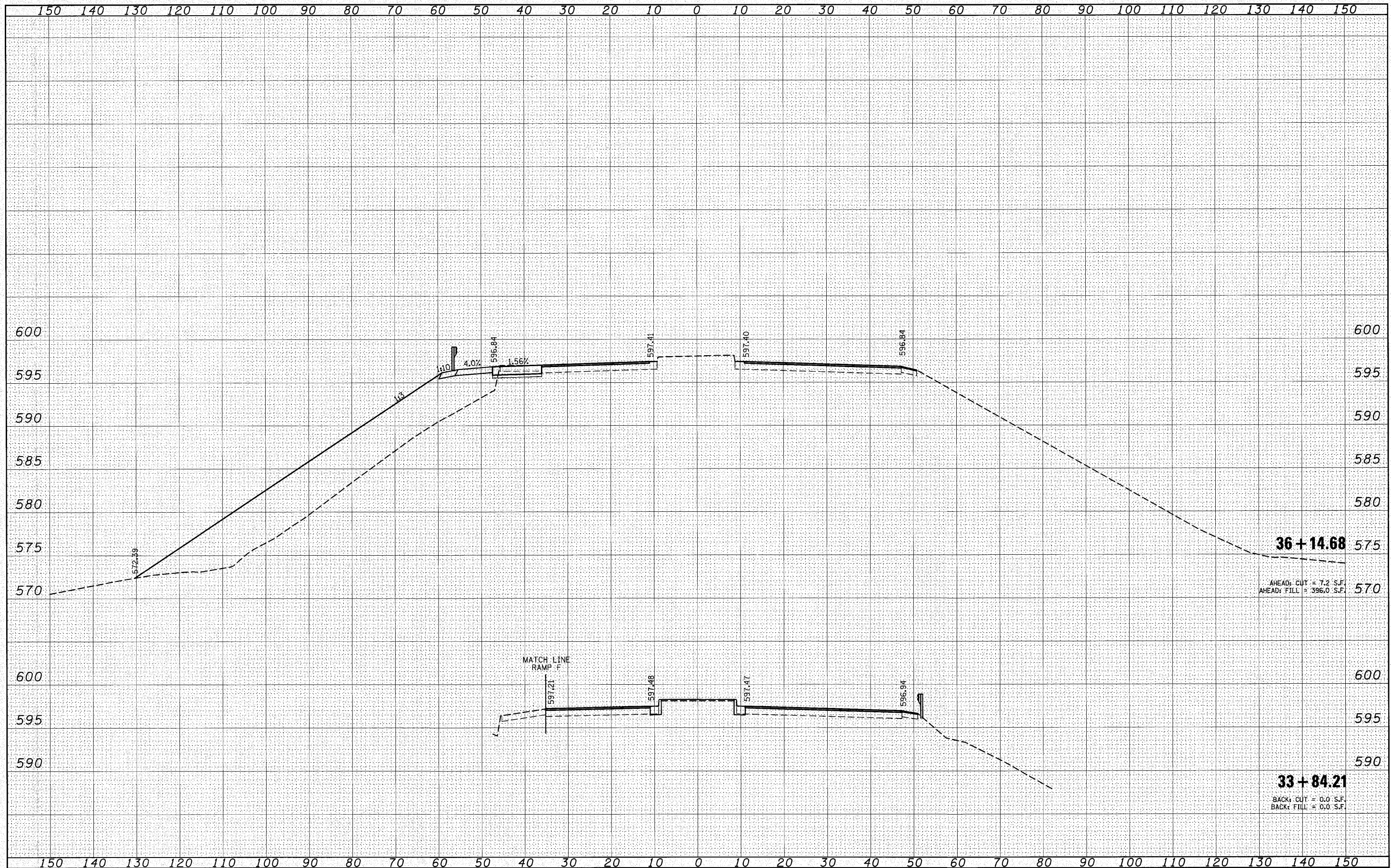


FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 159 CROSS SECTIONS</b>	F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 131
os\pwwork\pwwork\burnsideem\02210578\0876d59-1\sheet3.dgn	PLOT SCALE = 10.0000' / IN.	DRAWN - DMW	REVISED -			CONTRACT NO. 76D59				
	PLOT DATE = 8/10/2010	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -			SCALE: SHEET NO. 4 OF 7 SHEETS STA. 32+21.92 TO STA. 33+00.00				



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

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



FILE NAME =  
 es:\pwwork\pwwork\burnsideem\08210578\0876d59...

USER NAME = burnsideem  
 ht-xasht3.dgn  
 PLOT SCALE = 10.0000' / IN.  
 PLOT DATE = 8/18/2010

DESIGNED - DJO  
 DRAWN - DMW  
 CHECKED  
 DATE

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 159  
 CROSS SECTIONS**

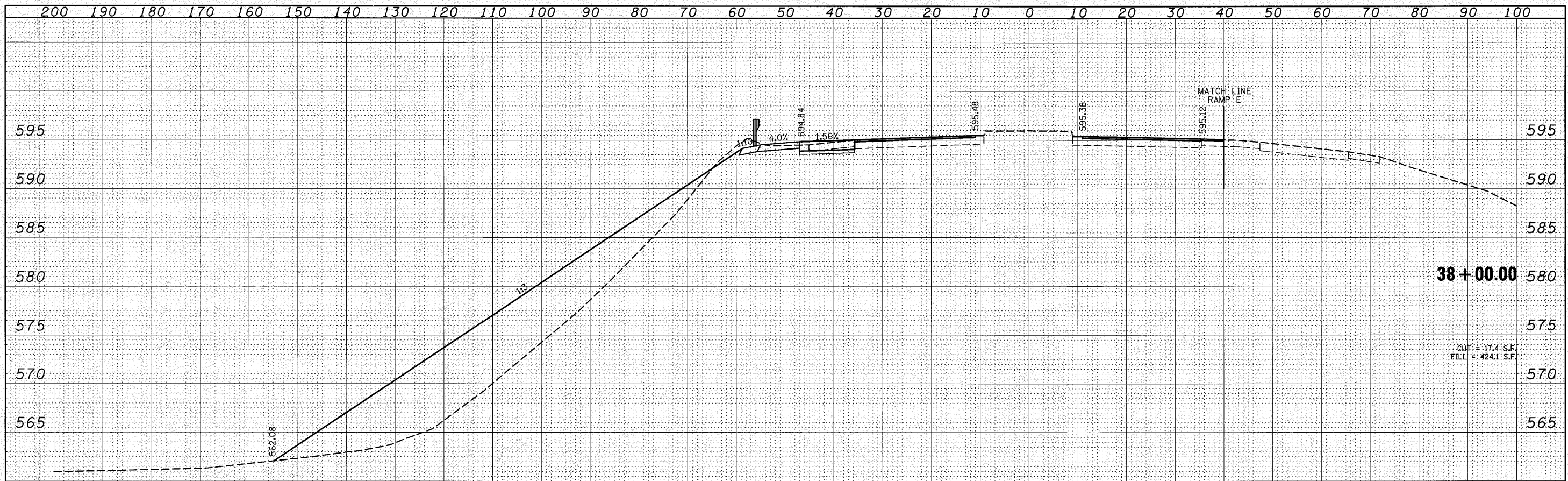
SCALE: SHEET NO. 5 OF 7 SHEETS STA. 33+84.21 TO STA. 36+14.68

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-5K-2	ST. CLAIR	162	132
CONTRACT NO. 76D59				
ILLINOIS FED. AID PROJECT				



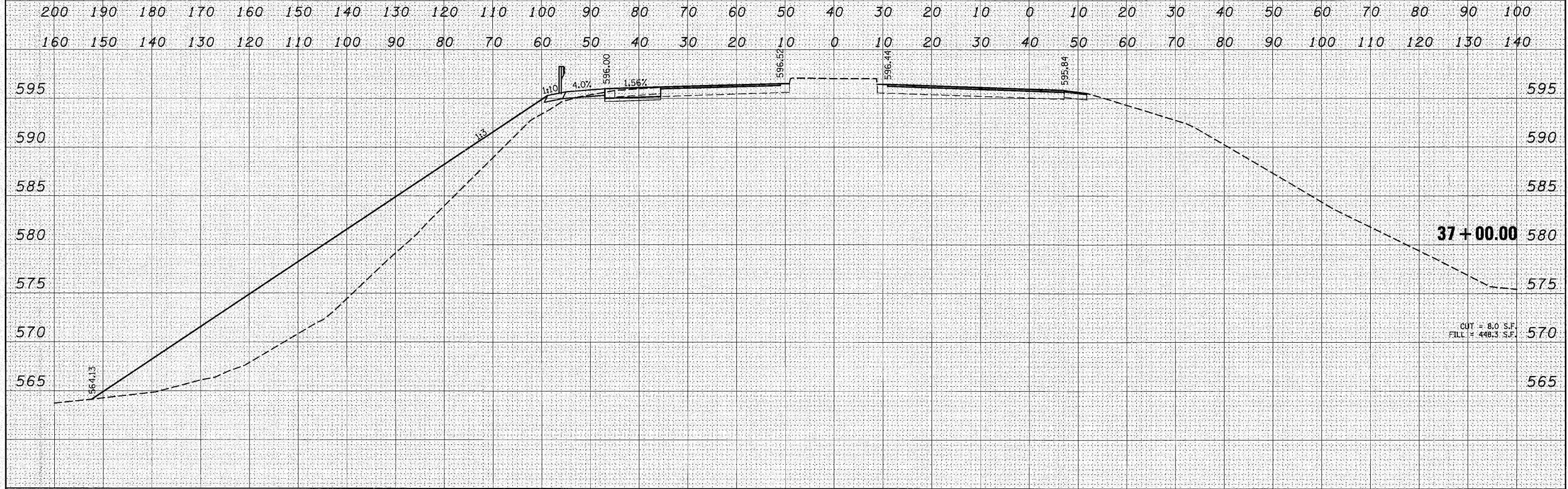
FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	

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



**38+00.00**

CUT = 17.4 S.F.  
FILL = 424.1 S.F.



**37+00.00**

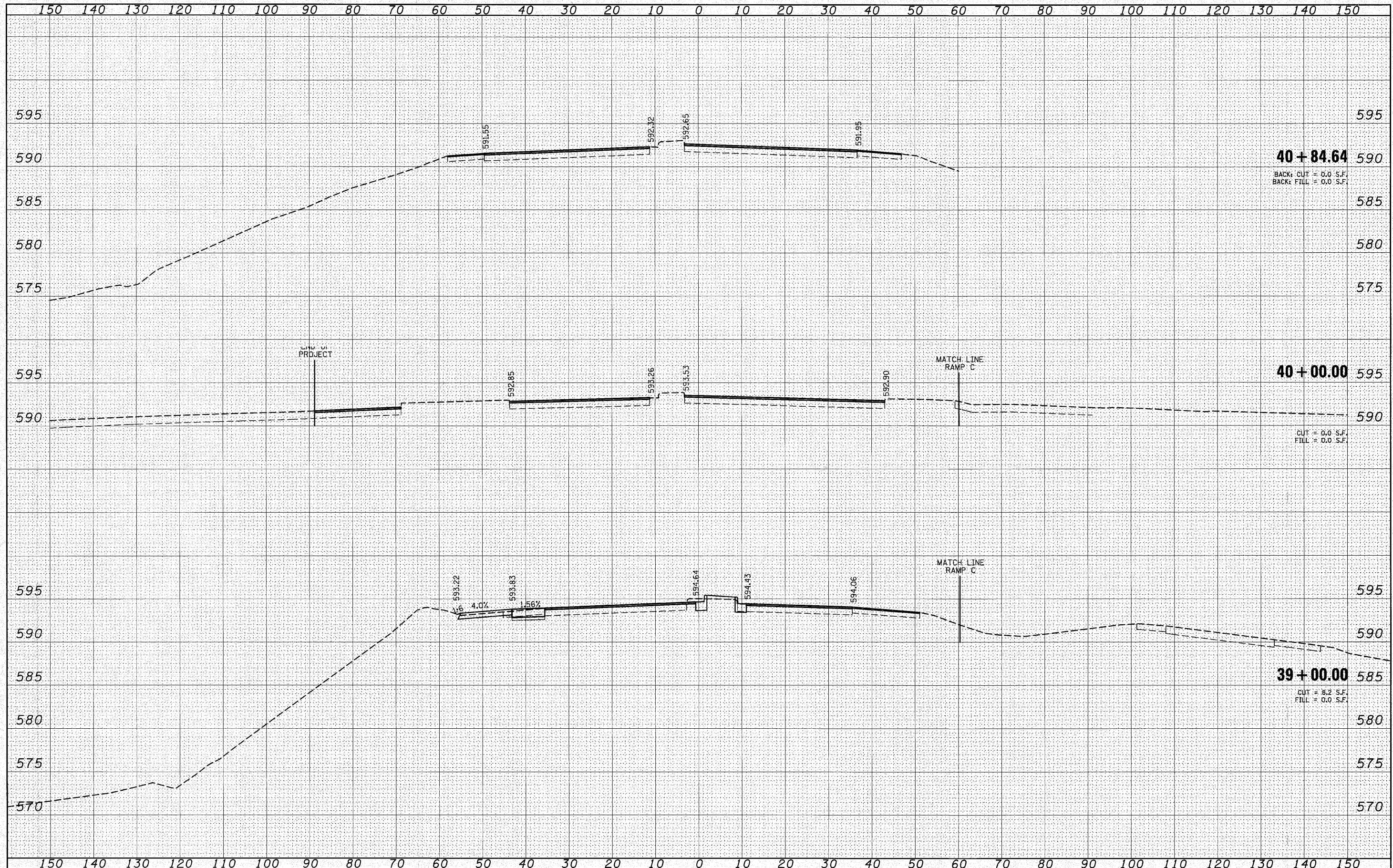
CUT = 8.0 S.F.  
FILL = 448.3 S.F.

FILE NAME =	USER NAME = burrisideem	DESIGNED - DJO	REVISIONS	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 159 CROSS SECTIONS</b>			F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 133
CONTRACT NO. 76D59	SCALE: 1" = 40'	DRAWN - DMW	REVISIONS		SHEET NO. 6 OF 7 SHEETS	STA. 37+00.00 TO STA. 38+00.00	ILLINOIS FED. AID PROJECT					
	PLOT SCALE = 10.0000' / IN.	CHECKED -	REVISIONS									
	PLOT DATE = 8/10/2010	DATE	REVISIONS									



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

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

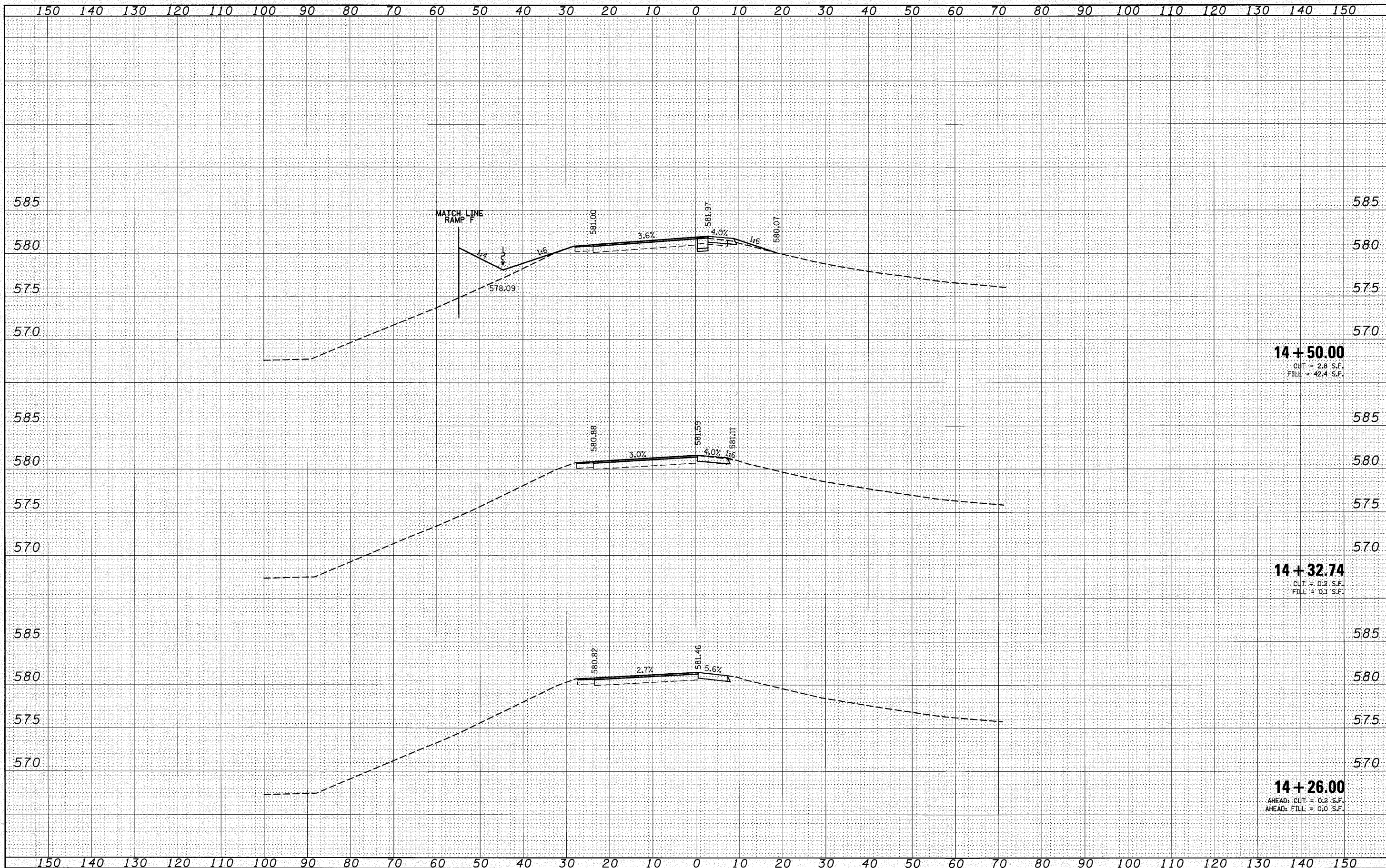


FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 159 CROSS SECTIONS</b>		F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 134	
ei:\pwork\pwork\burnsideem\0210578\0876d59-ht-xssht3.dgn	PLOT SCALE = 10.0000' / IN.	DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 7 OF 7 SHEETS	STA. 39+00.00 TO STA. 40+84.64	CONTRACT NO. 76D59		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 8/12/2010	CHECKED -	REVISED -									
		DATE -	REVISED -									



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

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

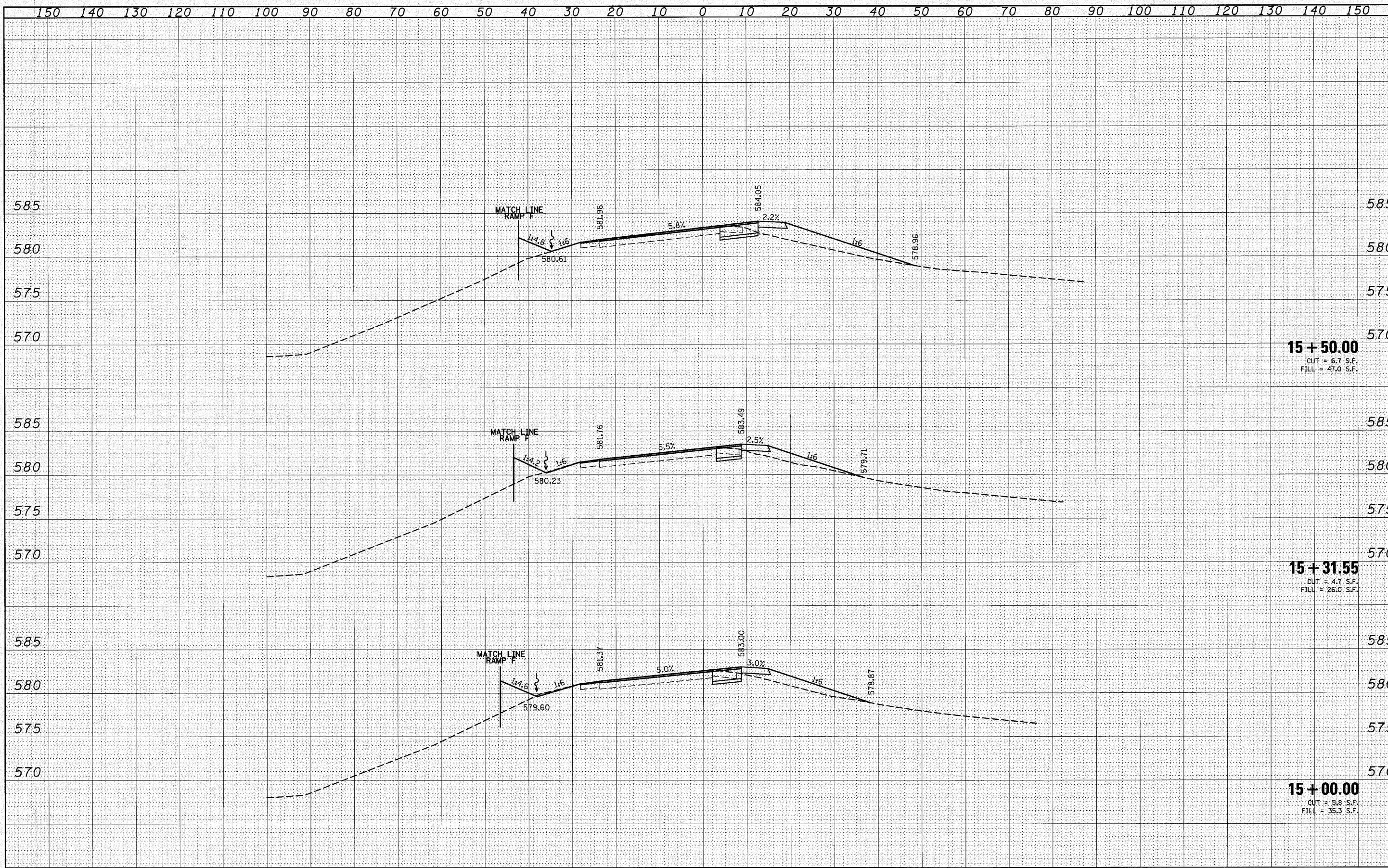


FILE NAME =	USER NAME = burrisdeem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP B CROSS SECTIONS</b>		F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 135
et:\pwwork\pwwork\burrisdeem\ad210578\0876d59-ent-xash12.dgn	PLT SCALE = 10.0000' / IN.	DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 1 OF 6 SHEETS	STA. 14+26.00 TO STA. 14+50.00	CONTRACT NO. 76D59		ILLINOIS FED. AID PROJECT	
	PLT DATE = 8/10/2010	CHECKED -	REVISED -								
		DATE	REVISED -								



FINAL SURVEY	SUBMITTED	DATE
NOTE BOOK	PLOTTED	
	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	SUBMITTED	DATE
NOTE BOOK	PLOTTED	
	TEMPLATE	
	AREAS	
	CHECKED	

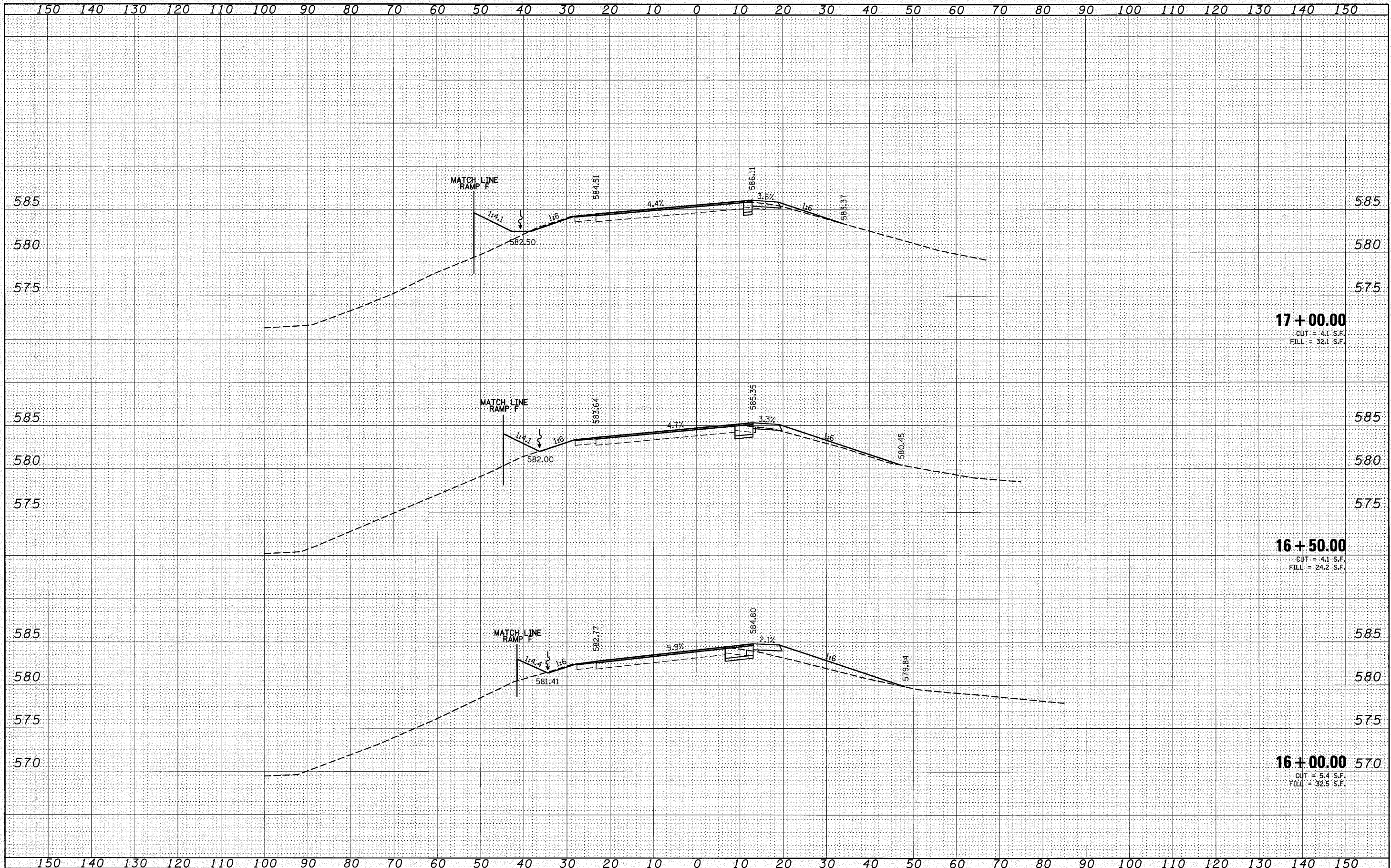


FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP B</b> <b>CROSS SECTIONS</b>	F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 136	
es:\pw_work\p\widot\burnsideem\2210578\0876d59	ht-xssh2.dgn	DRAWN - DMW	REVISED -			SCALE:	SHEET NO. 2 OF 6 SHEETS	STA. 15+00.00	TO STA. 15+50.00	CONTRACT NO. 76D59	
	PLOT SCALE = 1/8" = 10.0000' / IN.	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT					
	PLOT DATE = 8/10/2010	DATE -	REVISED -								



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

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



FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP B CROSS SECTIONS</b>		F.A.I. RTE. 64	SECTION B2-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 137
CONTRACT NO. 76D59	PLLOT SCALE = 10.0000' / IN.	DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 3 OF 6 SHEETS	STA. 16+00.00 TO STA. 17+00.00	ILLINOIS FED. AID PROJECT			
	PLLOT DATE = 8/18/2010	CHECKED -	REVISED -								
		DATE -	REVISED -								

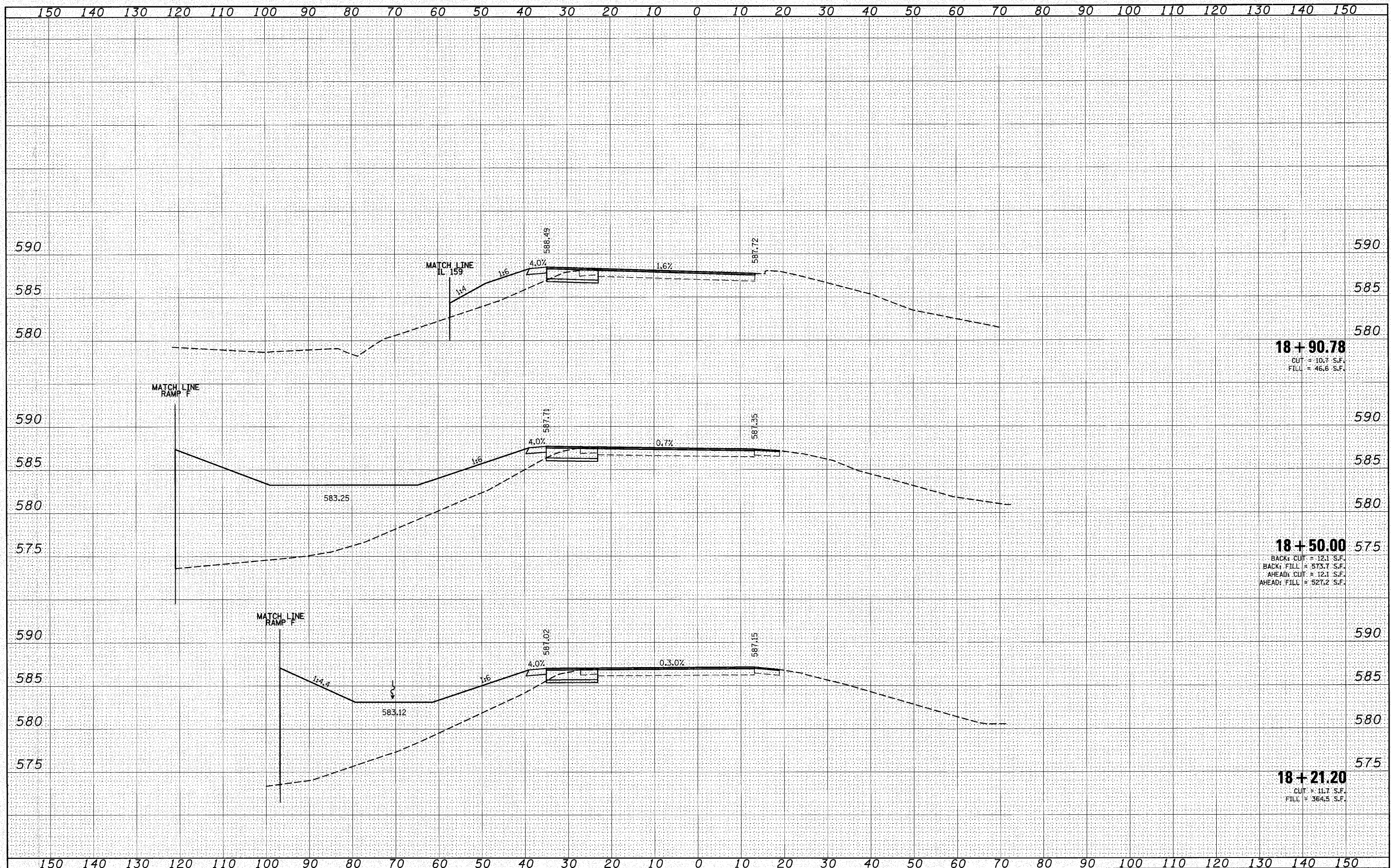






FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	
	AREAS CHECKED	

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



**18 + 90.78**  
 CUT = 10.7 S.F.  
 FILL = 46.6 S.F.

**18 + 50.00**  
 BACK CUT = 12.1 S.F.  
 BACK FILL = 573.7 S.F.  
 AHEAD CUT = 12.1 S.F.  
 AHEAD FILL = 527.2 S.F.

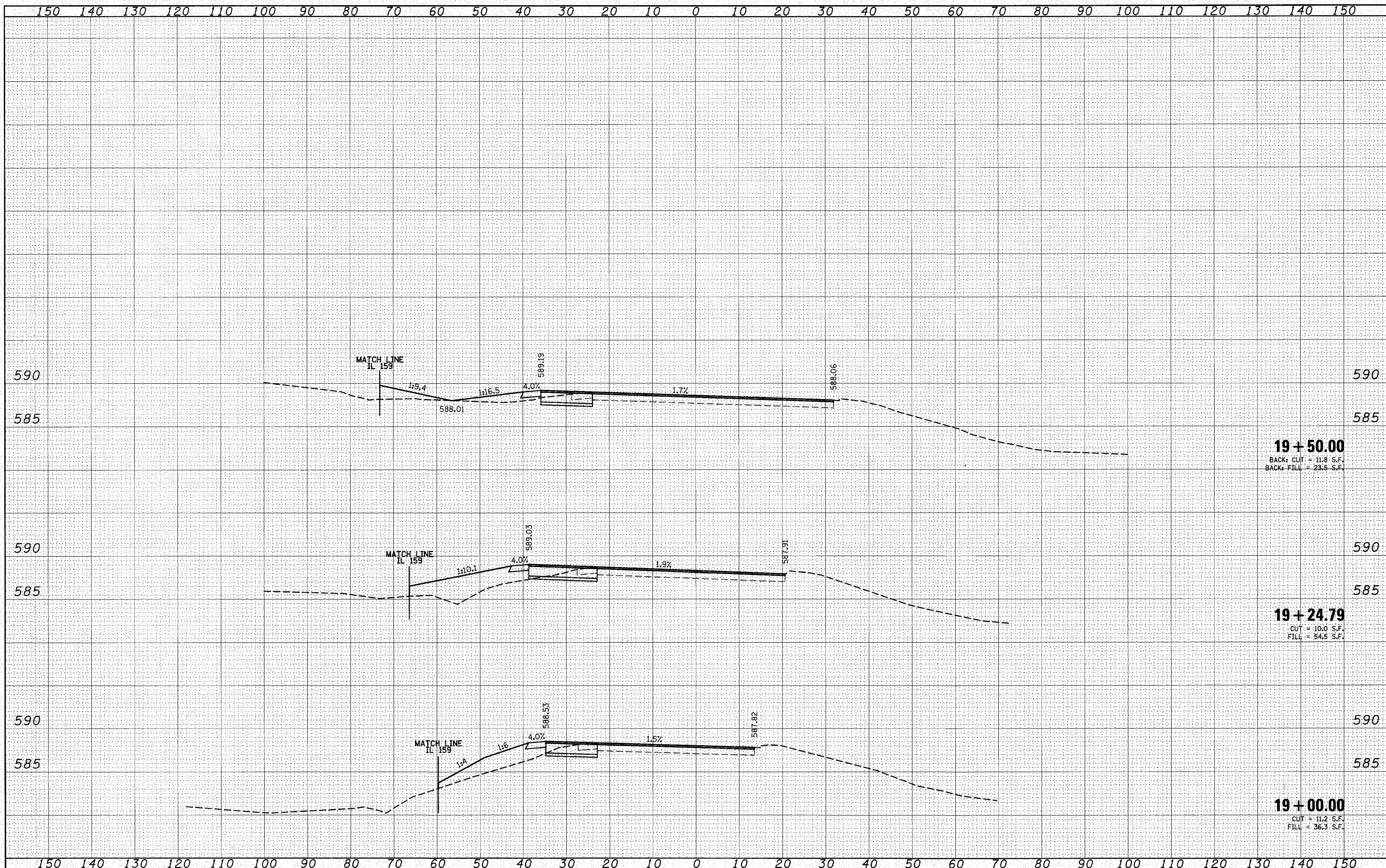
**18 + 21.20**  
 CUT = 11.7 S.F.  
 FILL = 364.5 S.F.

FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP B CROSS SECTIONS</b>		F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 139	
et:\p\work\p\dot\burnsideem\20210578\0876d594\ht-ssht2.dgn		DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 5 OF 6 SHEETS	STA. 18+21.20 TO STA. 18+90.78	CONTRACT NO. 76D59		ILLINOIS FED. AID PROJECT		
PLOT SCALE = 10.0000' / IN.		CHECKED -	REVISED -									
PLOT DATE = 8/10/2018		DATE -	REVISED -									



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

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

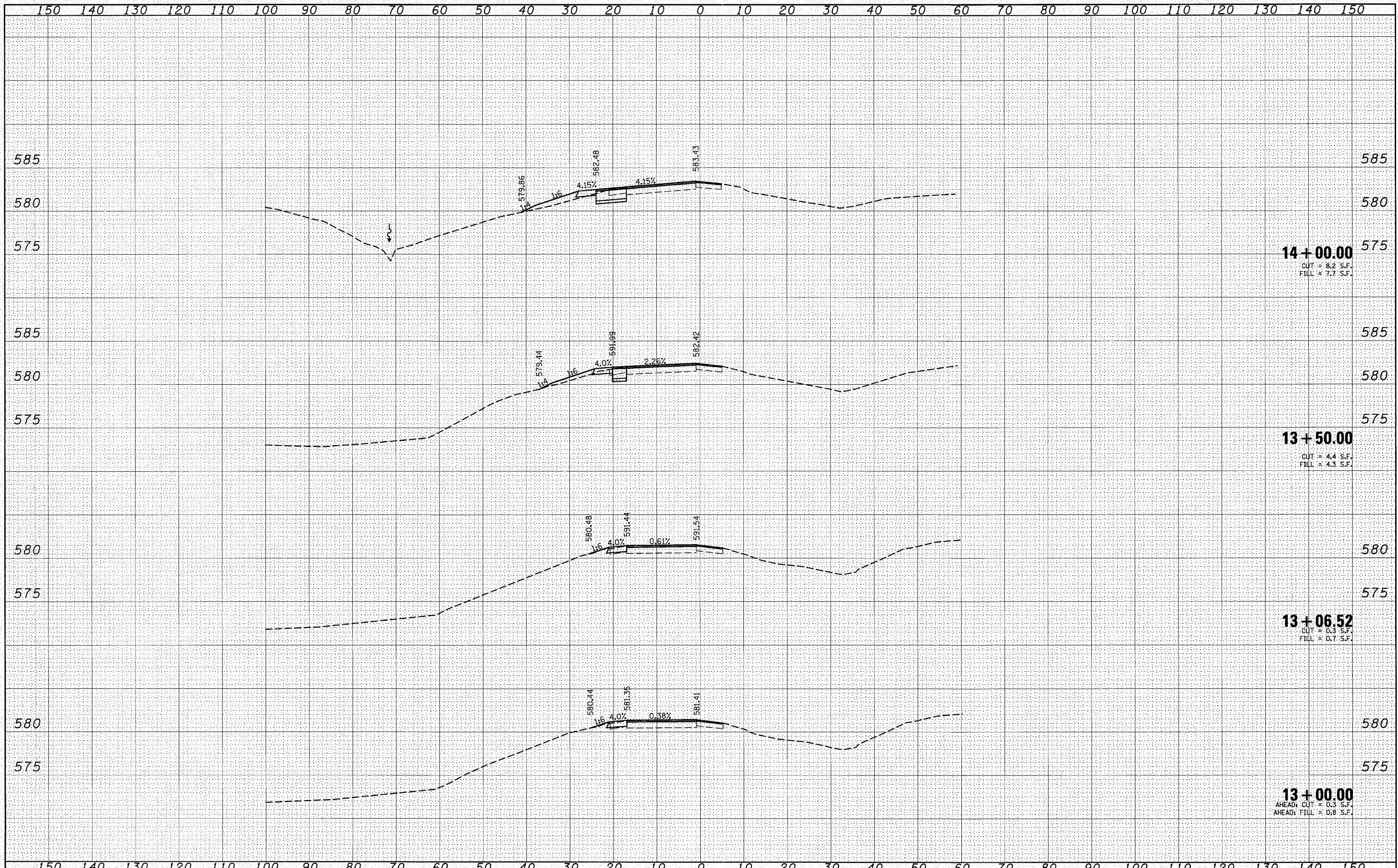


FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP B CROSS SECTIONS</b>			F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 140
ei:\pwwork\pwwidat\burnsideem\d2210578\0876d59	ht-ssht2.dgn	DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 6 OF 6 SHEETS	STA. 19+00.00	TO STA. 19+50.00	CONTRACT NO. 76D59			
	PLOT SCALE = 10.0000' / IN.	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 8/10/2010	DATE -	REVISED -									



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

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

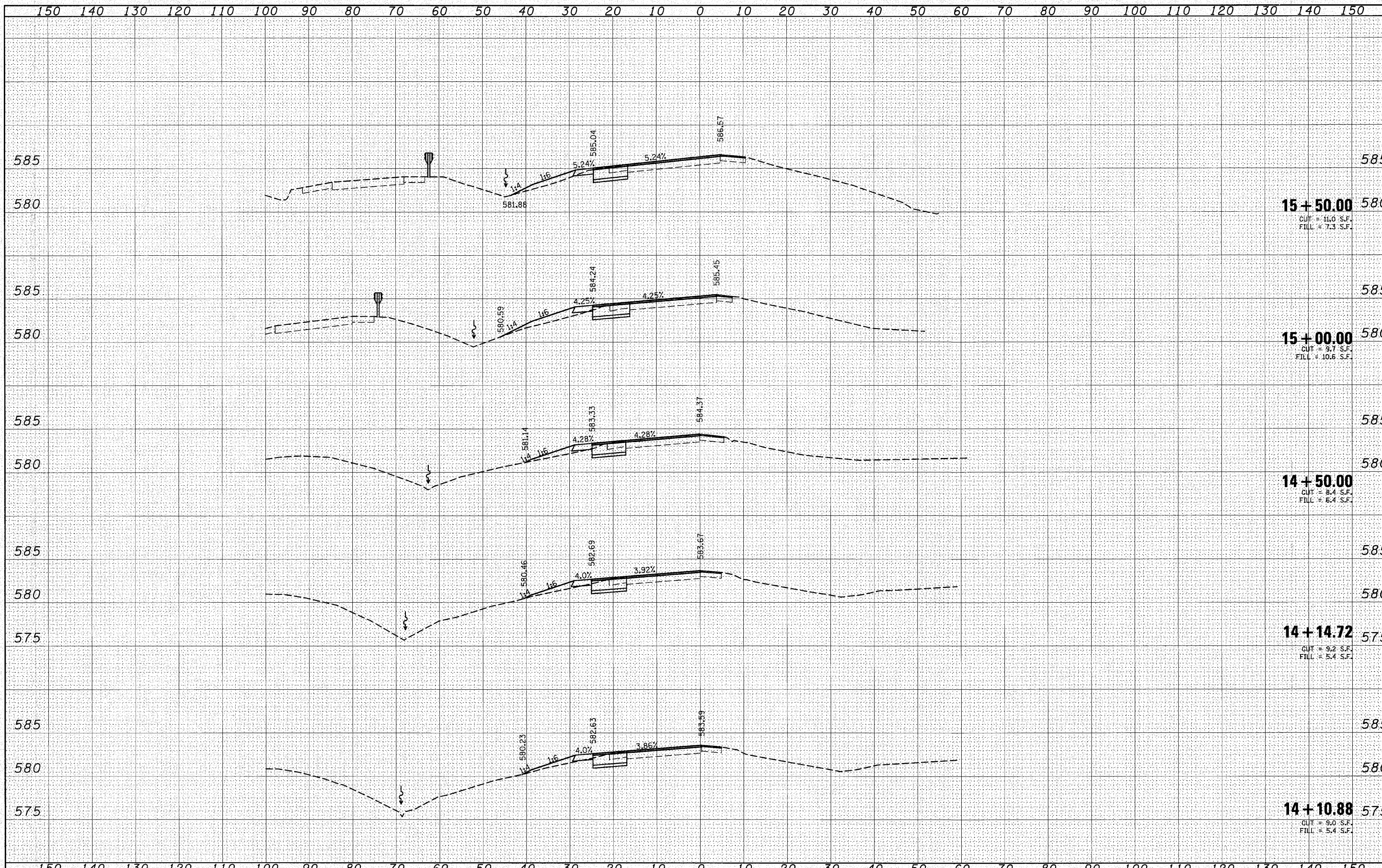


FILE NAME =	USER NAME = burnsideom	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP C CROSS SECTIONS</b>	F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 141
ct:\pwwork\pwwid\burnsideom\20218378\0878d59-ent\sheet4.dgn	PLOT SCALE = 10.0000' / IN.	DRAWN - DMW	REVISED -			CONTRACT NO. 76D59				
	PLOT DATE = 8/10/2010	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT				
		DATE	REVISED -			SCALE: SHEET NO. 1 OF 5 SHEETS STA. 13+00.00 TO STA. 14+00.00				



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

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

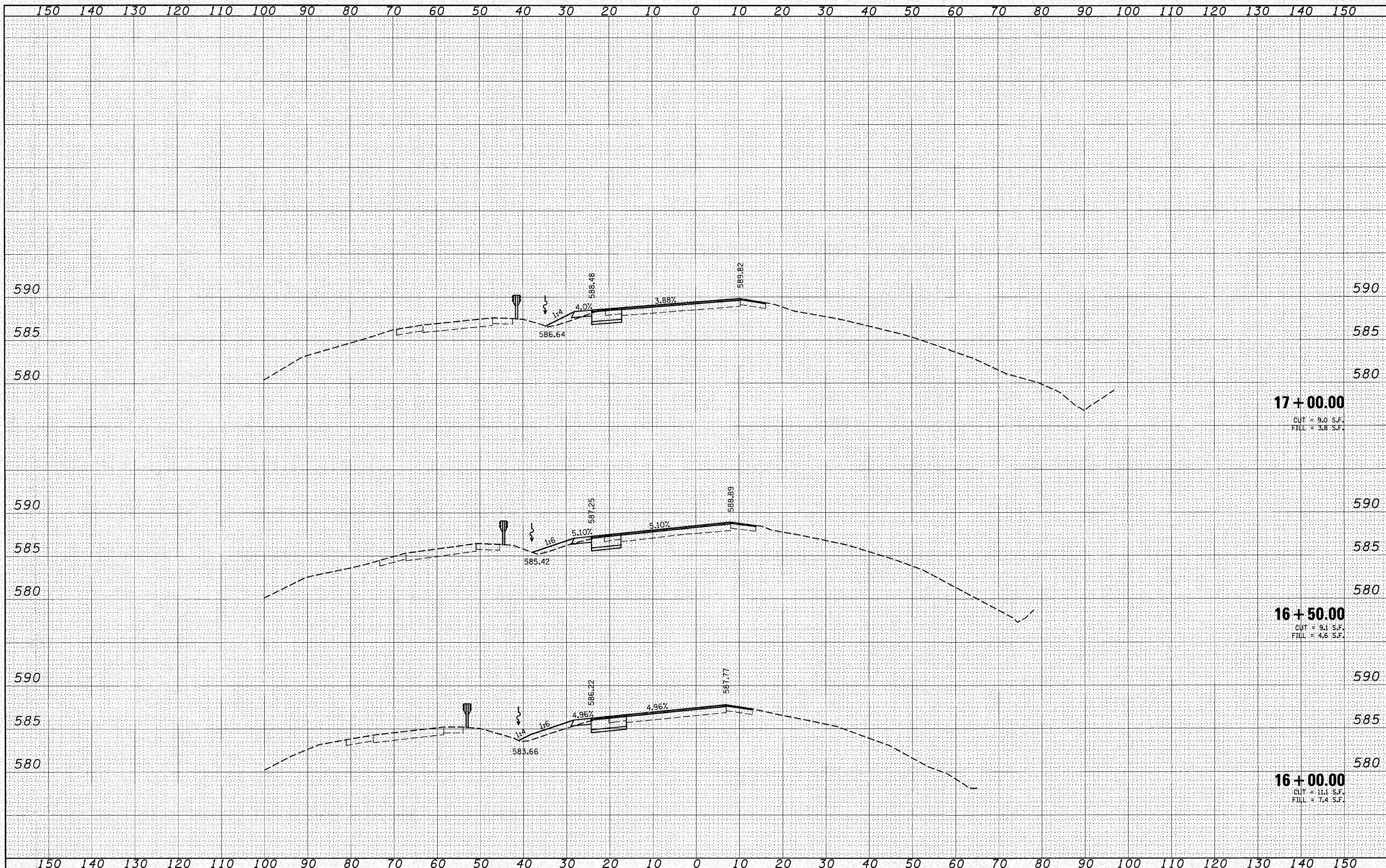


FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP C CROSS SECTIONS</b>			F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 142
es:\pw_work\p\dot\burnsideem\0210578\0876d59	ht\kssh4.dgn	DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 2 OF 5 SHEETS	STA. 14+10.88	TO STA. 15+50.00	CONTRACT NO. 76D59		ILLINOIS FED. AID PROJECT	
		CHECKED -	REVISED -									
		DATE -	REVISED -									



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

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

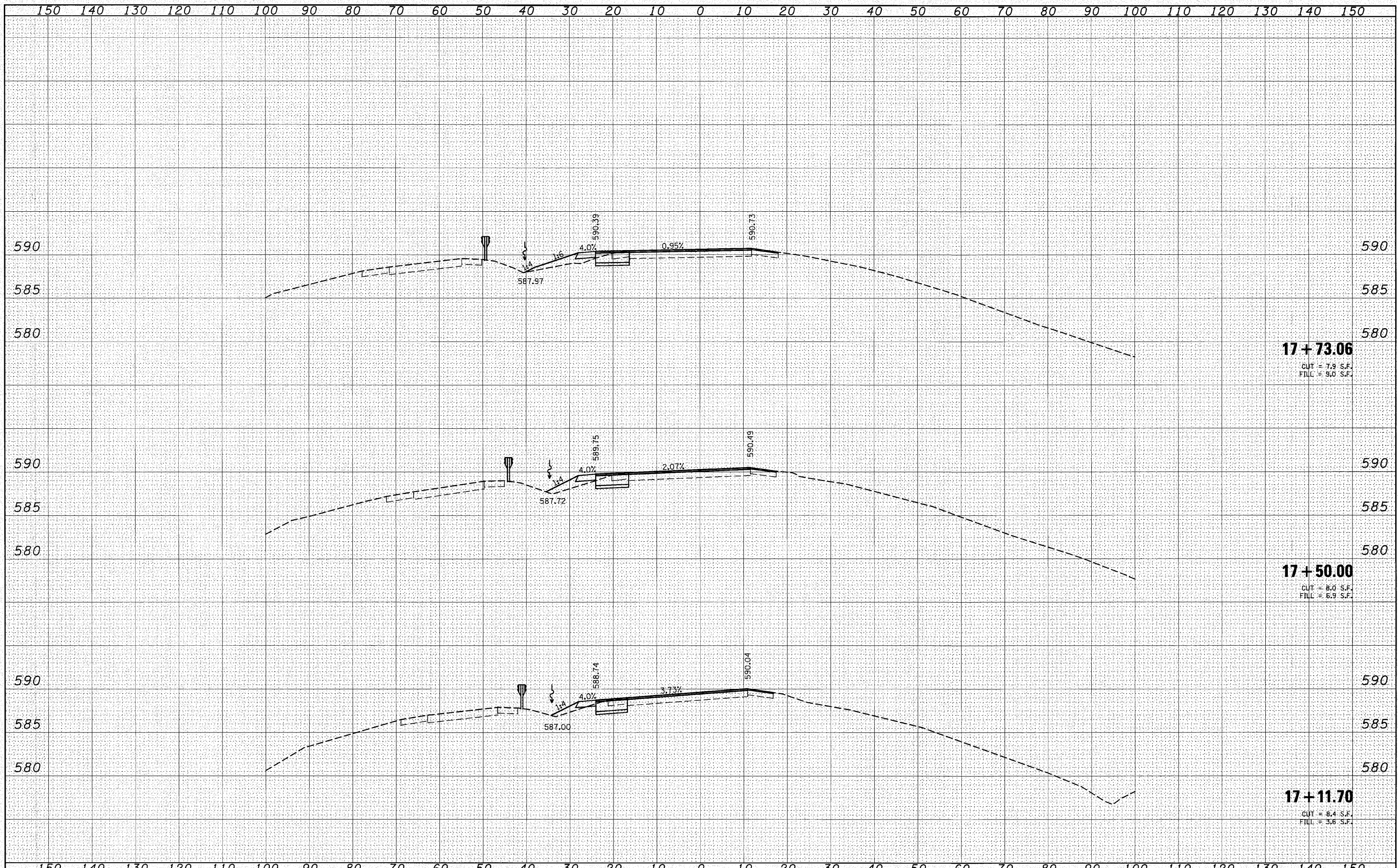


FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP C CROSS SECTIONS</b>			F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 143
et:\pwork\pwork\burnsideem\0218978\0876cd09	ht:\ssht4.dgn	DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 3 OF 5 SHEETS	STA. 16+00.00	TO STA. 17+00.00	CONTRACT NO. 76D59			
	PLOT SCALE = 10.0000' / IN.	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 8/10/2010	DATE -	REVISED -									



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

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



**17+73.06**  
 CUT = 7.9 S.F.  
 FILL = 9.0 S.F.

**17+50.00**  
 CUT = 8.0 S.F.  
 FILL = 6.9 S.F.

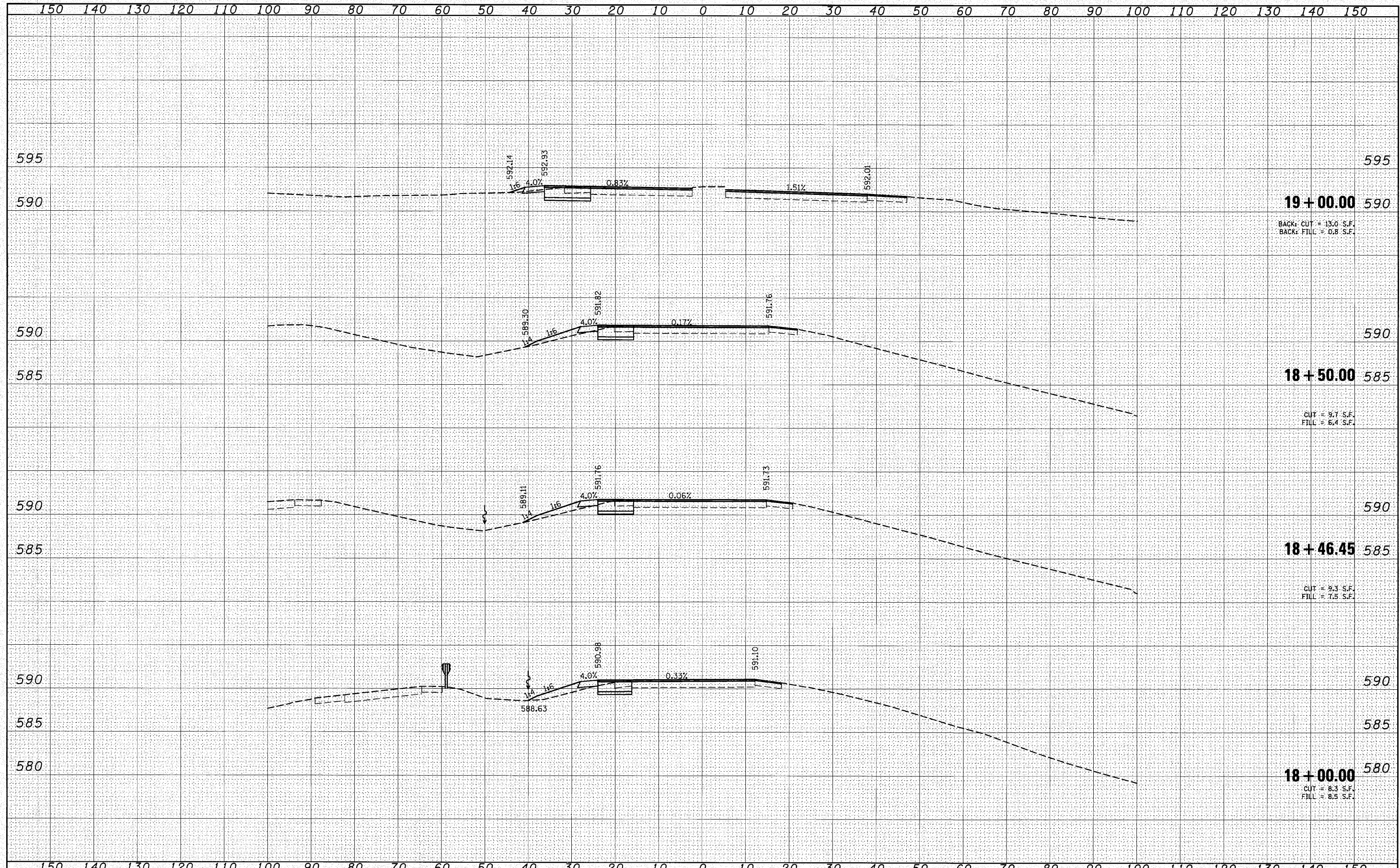
**17+11.70**  
 CUT = 8.4 S.F.  
 FILL = 3.6 S.F.

FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP C CROSS SECTIONS</b>		F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 144
et:\pwwork\pwwid\burnsideem\0210579\0876d59\pwwork\ssht4.dgn	PLLOT SCALE = 10.0000' / IN.	DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 4 OF 5 SHEETS	STA. 17+11.70 TO STA. 17+73.06	CONTRACT NO. 76D59		ILLINOIS FED. AID PROJECT	
	PLLOT DATE = 8/10/2010	CHECKED -	REVISED -								
		DATE -	REVISED -								



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

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

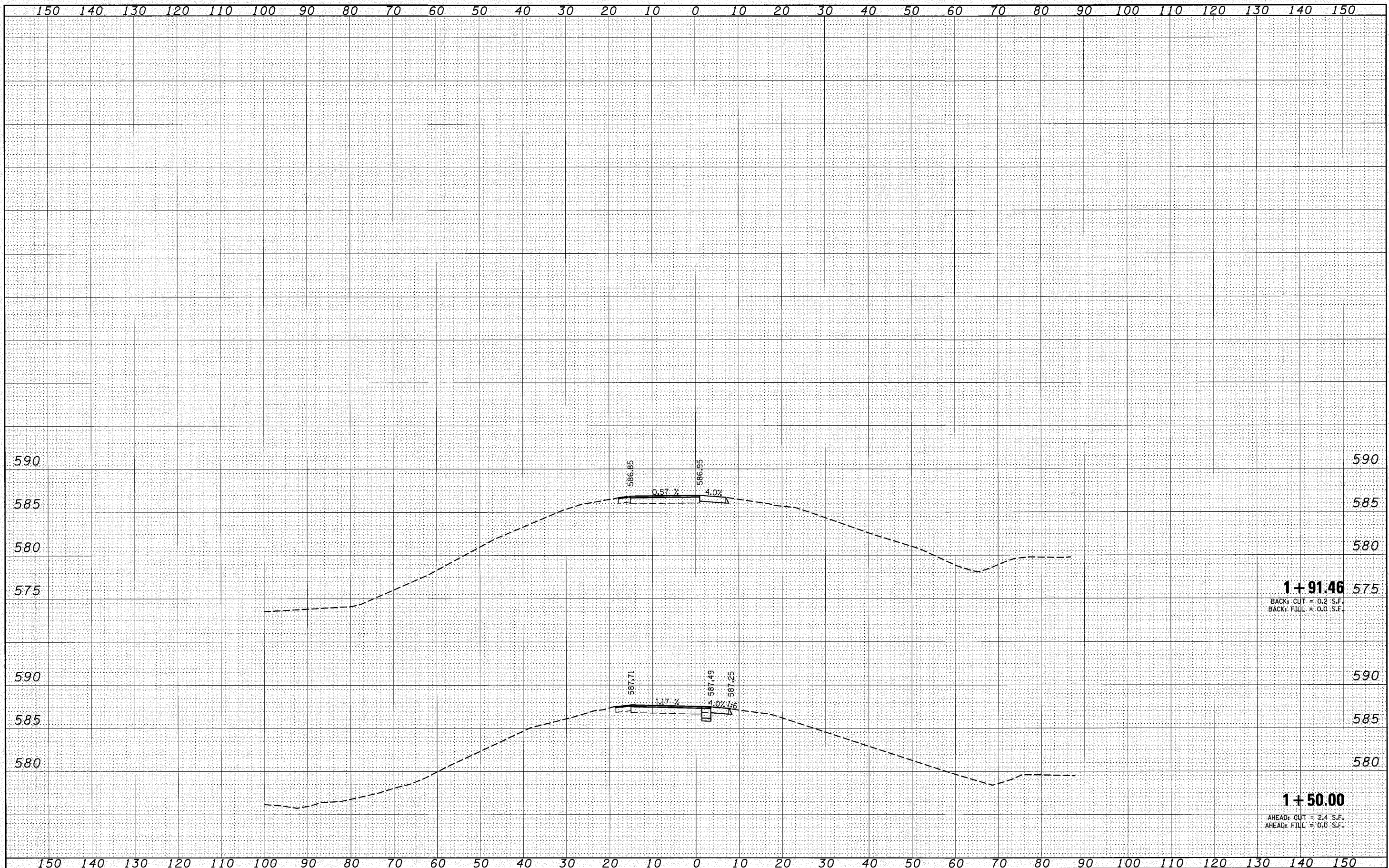


FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP C CROSS SECTIONS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pwwork\pwwork\burnsideem\210578\0876d59	int:\sheet4.dgn	DRAWN - DMW	REVISED -			64	B2-5K-2	ST. CLAIR	162	145	
	PLOT SCALE = 10.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 76D59					
	PLOT DATE = 8/10/2010	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



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

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

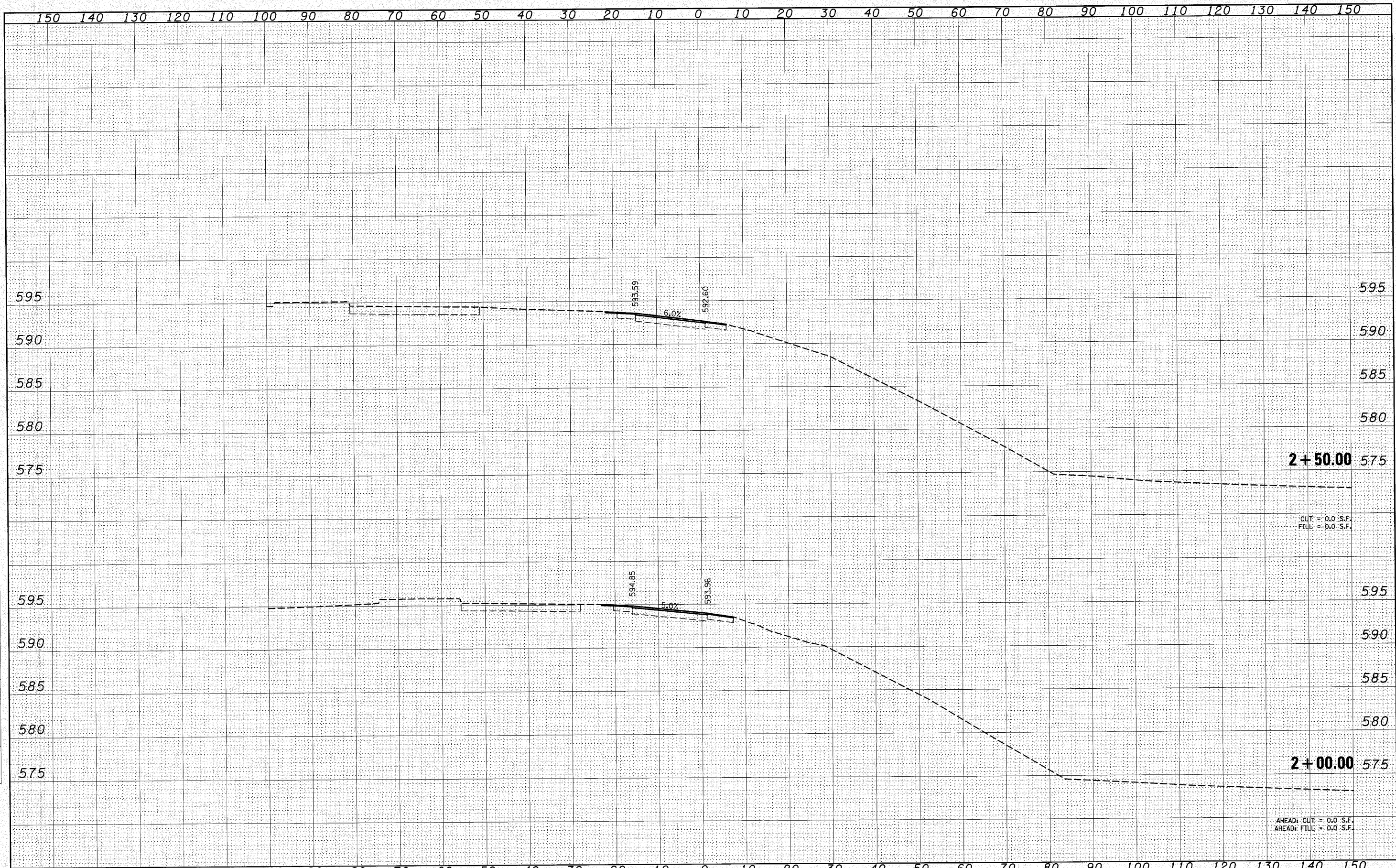


FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP D CROSS SECTIONS</b>			F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 146
ca:\pwork\pwork\burnsideem\0210578\0876d59	ht-xash15.dgn	DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA. 1+50.00	TO STA. 1+91.46	CONTRACT NO. 76D59			
	PLDT SCALE = 10,000' / IN.	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
	PLDT DATE = 8/10/2010	DATE -	REVISED -									



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

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



CUT = 0.0 S.F.  
FILL = 0.0 S.F.

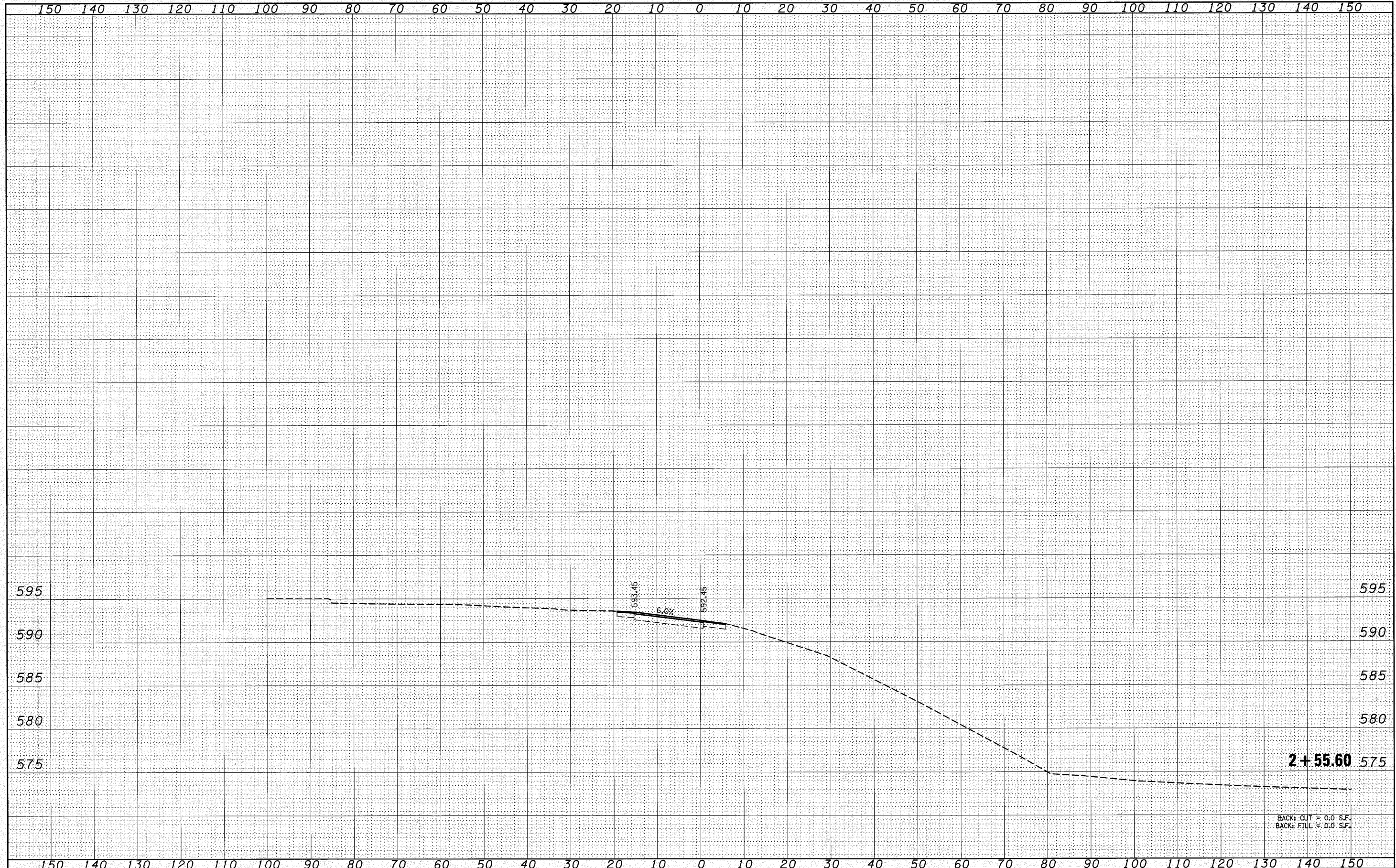
AHEAD: CUT = 0.0 S.F.  
AHEAD: FILL = 0.0 S.F.

FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP E CROSS SECTIONS</b>			F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 147
ct:\pwork\pwork\burnsideem\0210578\0876d59-ht-xssht6.dgn		DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 1 OF 2 SHEETS	STA. 2+00.00	TO STA. 2+50.00	ILLINOIS FED. AID PROJECT			
PLOT SCALE = 1/8" = 1' / IN.		CHECKED -	REVISED -									
PLOT DATE = 8/10/2010		DATE -	REVISED -									



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

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



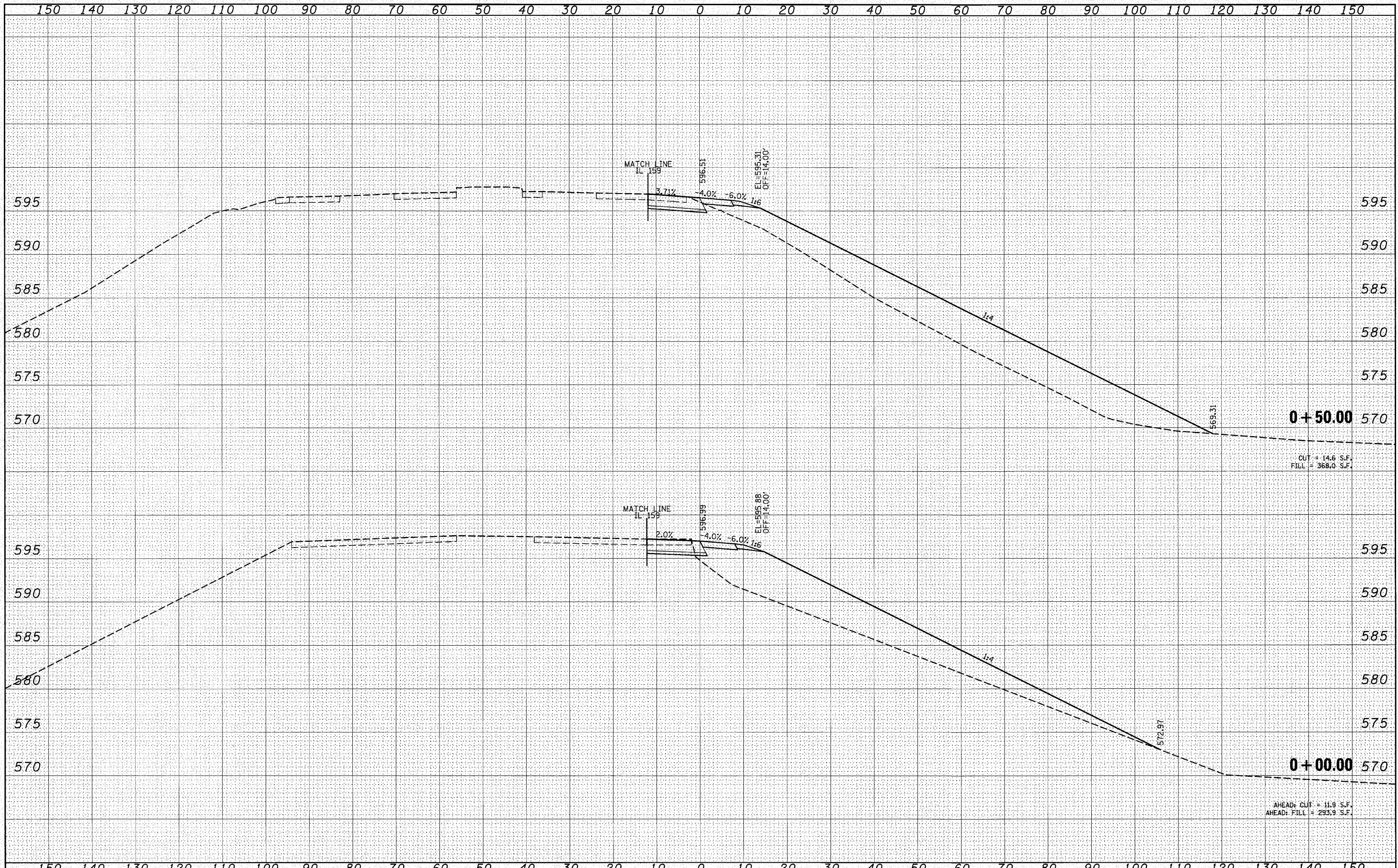
BACK: CUT = 0.0 S.F.  
BACK: FILL = 0.0 S.F.

FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				RAMP E CROSS SECTIONS		F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 148
es:\pw_work\p\sidot\burnsideem\0210578\U0876d594\ht-xash16.dgn	PLOT SCALE = 10.0000' / IN.	DRAWN - DMW	REVISED -					SCALE:	SHEET NO. 2 OF 2 SHEETS	STA. 2+55.60	TO STA. 2+55.60	CONTRACT NO. 76D59		
	PLOT DATE = 8/12/2010	DATE -	REVISED -											



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

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

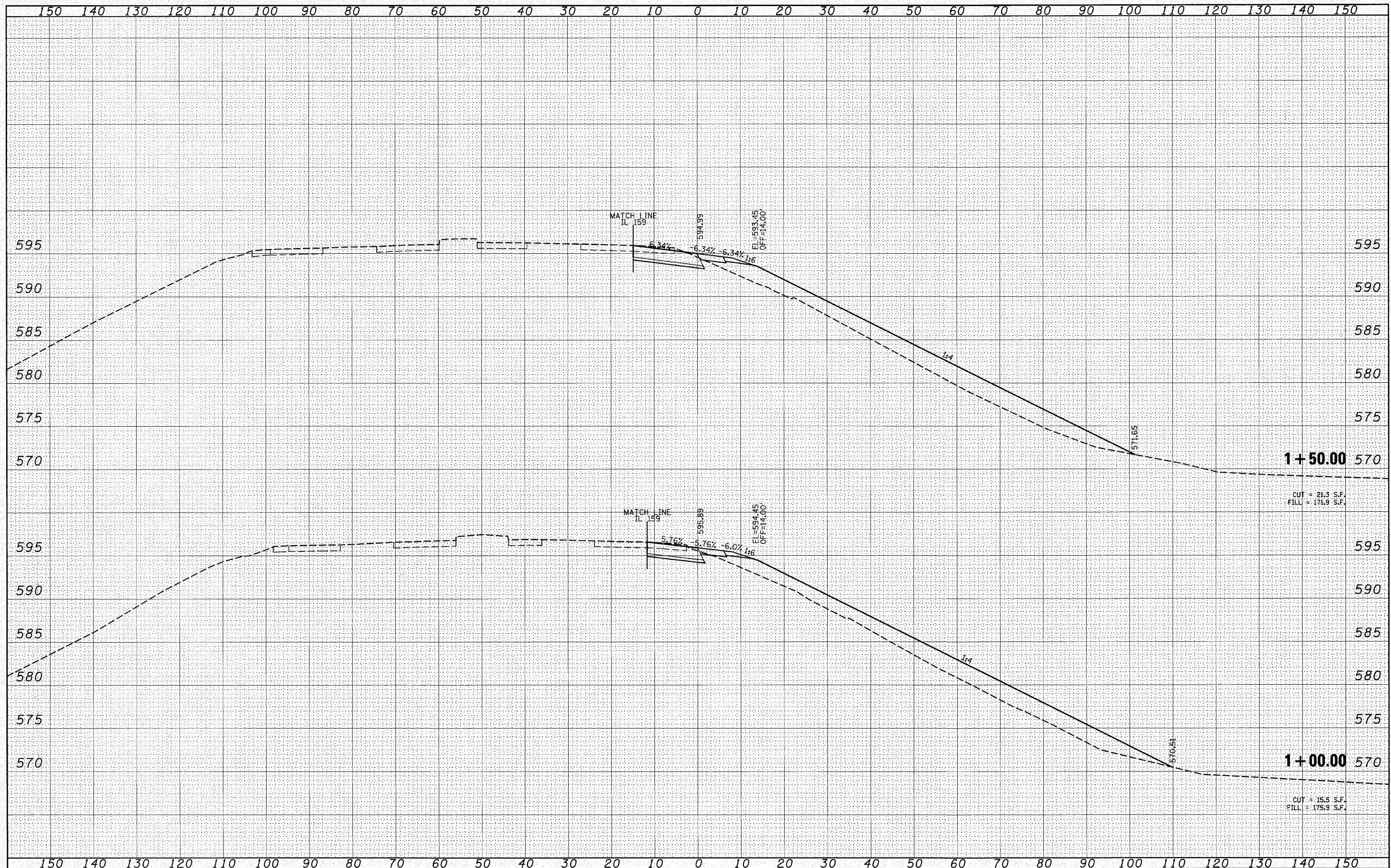


FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP F CROSS SECTIONS</b>		F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 149
ea:\pwwork\pwwork\burnsideem\0218578\0876d59-ht-kssht1.dgn	PLT SCALE = 10.0000' / IN.	DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 1 OF 14 SHEETS	STA. +00.00 TO STA. +50.00	CONTRACT NO. 76D59		ILLINOIS FED. AID PROJECT	
	PLT DATE = 8/18/2010	CHECKED -	REVISED -								
		DATE -	REVISED -								



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

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



**1+50.00**  
 CUT = 21.3 S.F.  
 FILL = 171.9 S.F.

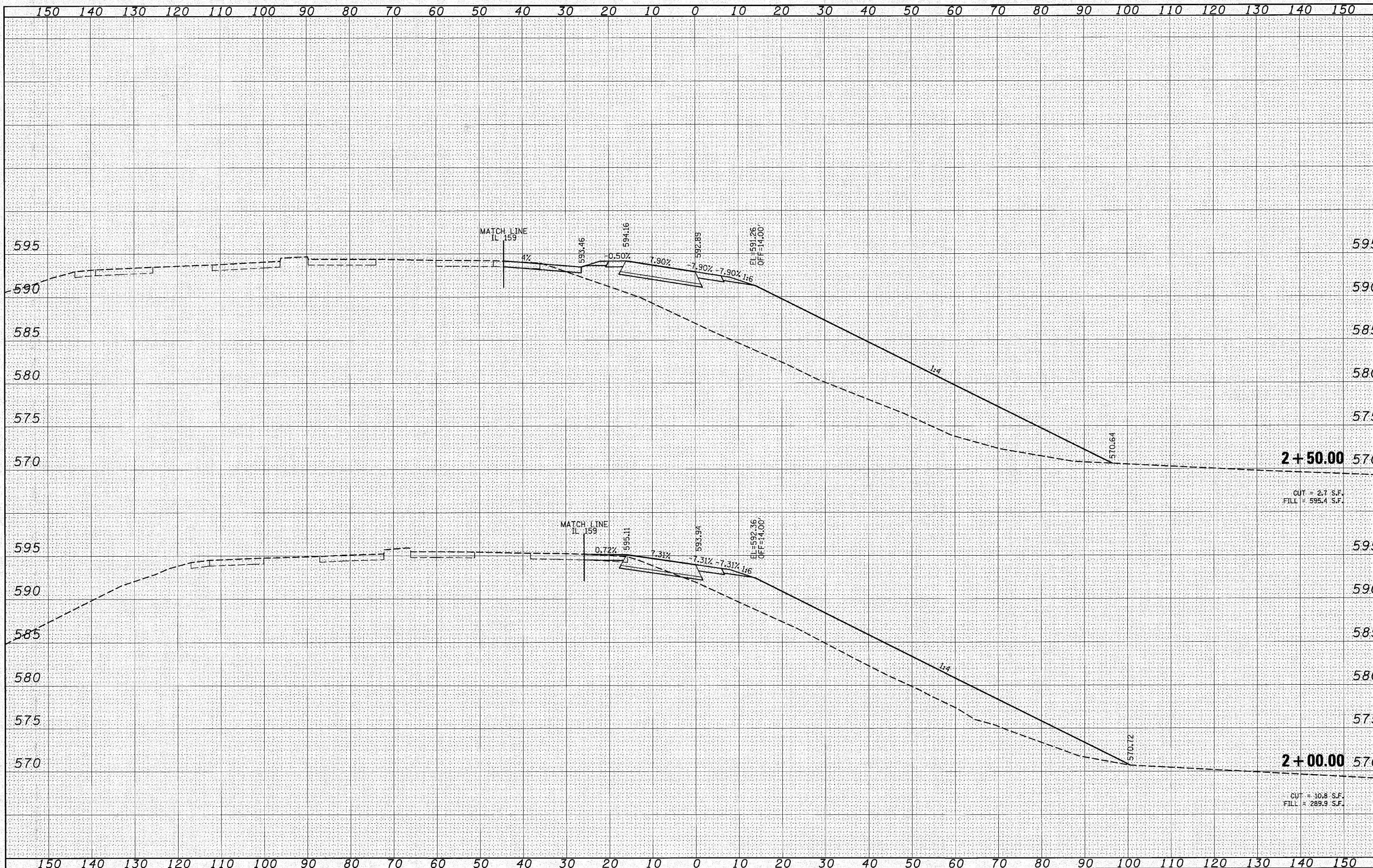
**1+00.00**  
 CUT = 15.5 S.F.  
 FILL = 175.9 S.F.

FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP F CROSS SECTIONS</b>			F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 150
es:\pwwork\pwwid\burnsideem\0218978\0876d59	ant-xssht1.dgn	DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 2 OF 14 SHEETS	STA. 1+00.00	TO STA. 1+50.00	CONTRACT NO. 76D59			
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



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

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

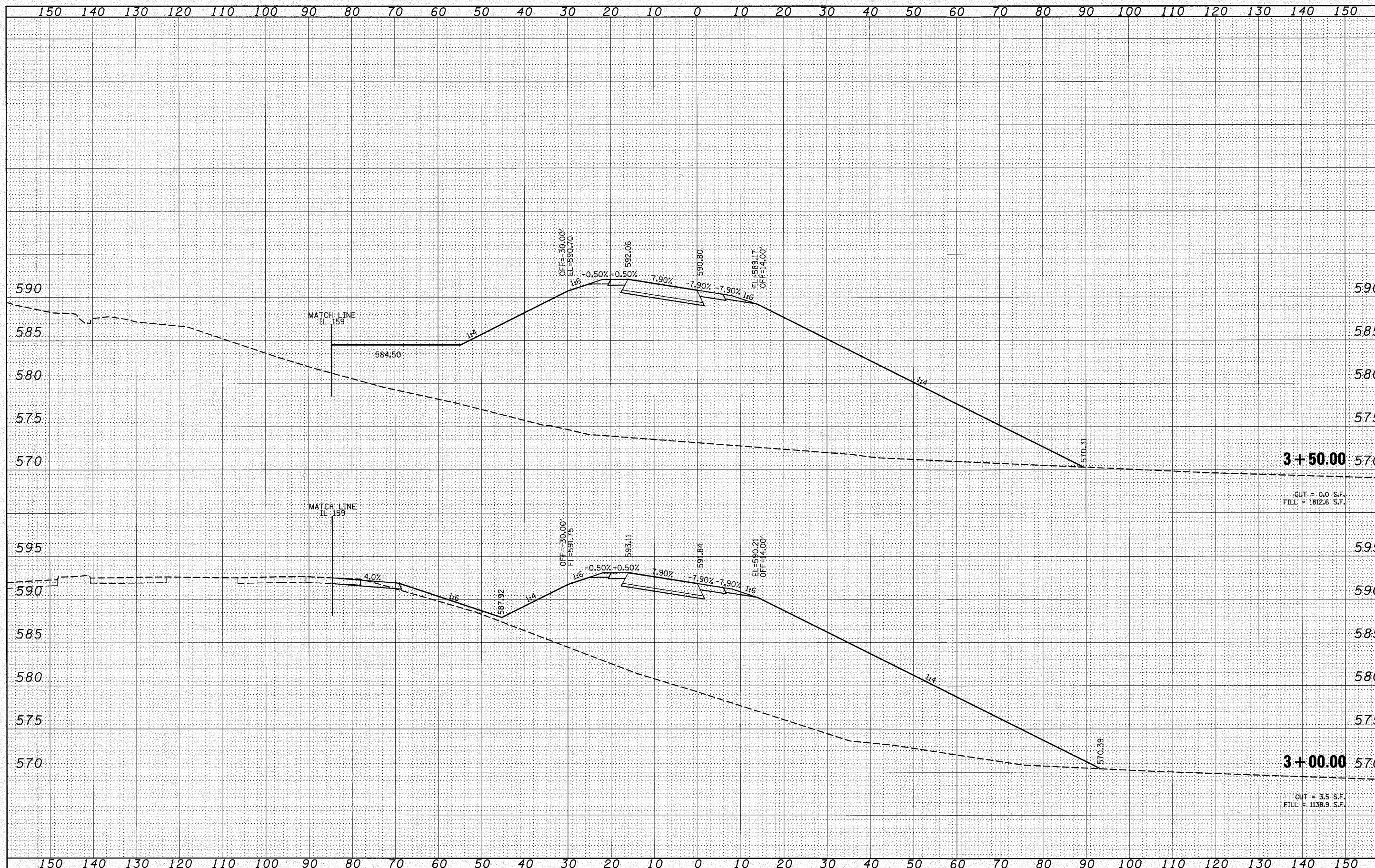


FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>				<b>RAMP F CROSS SECTIONS</b>				F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 151											
ca:\pwork\widot\burnsideem\d210578\0676d59-ht-xsh1.dgn	DRAWN - DMW	CHECKED -	REVISED -									SCALE:				SHEET NO. 3 OF 14 SHEETS				STA. 2+00.00 TO STA. 2+50.00				CONTRACT NO. 76D59			
PLOT SCALE = 10.0000' / IN.	CHECKED -	REVIS	ED -									ILLINOIS FED. AID PROJECT															
PLOT DATE = 8/10/2010	DATE -	REVIS	ED -																								



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

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

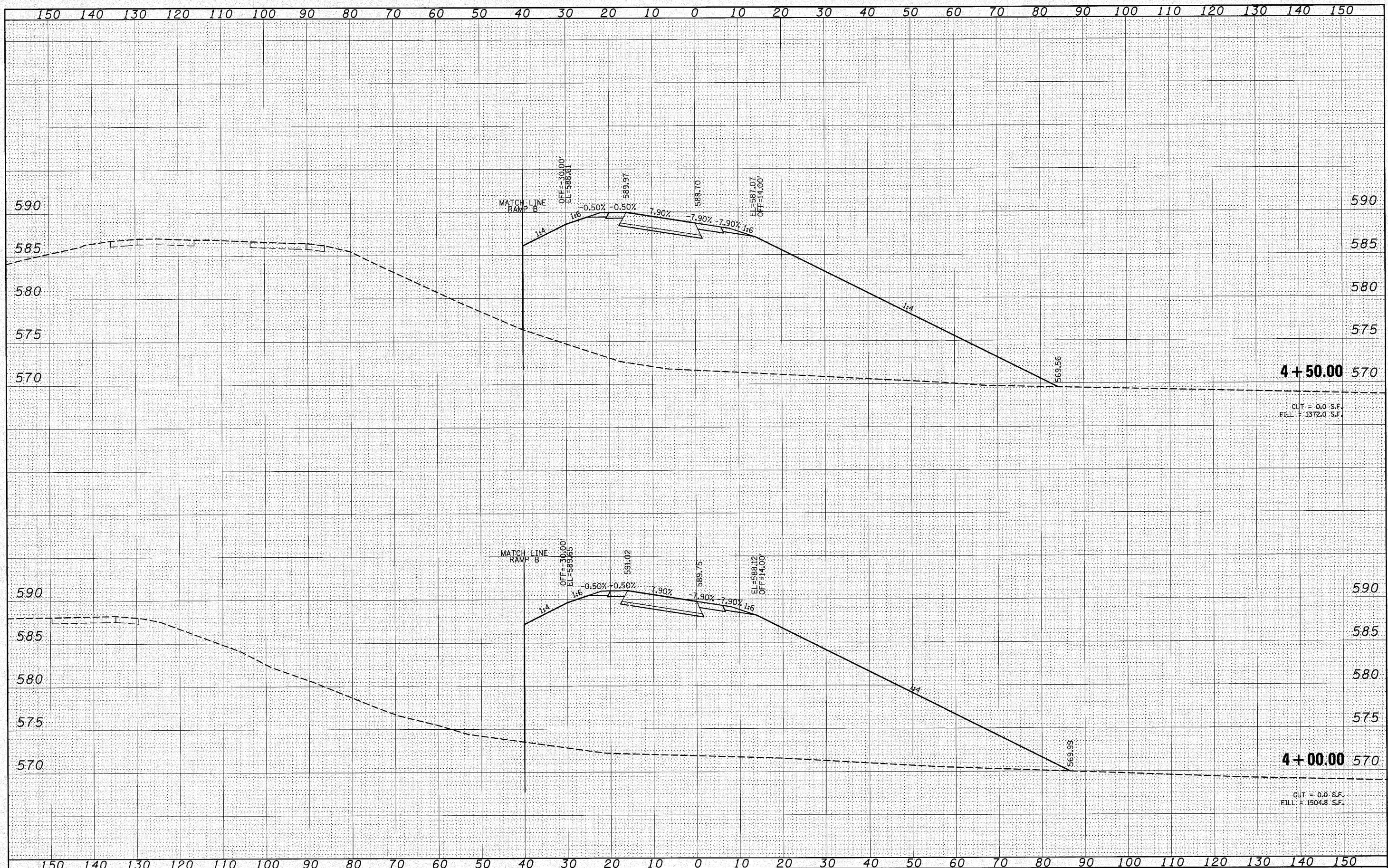


FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP F CROSS SECTIONS</b>			F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 152
er\work\p\widot\burnsideem\8218578\0876d59-	int\ssht1.dgn	DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 4 OF 14 SHEETS	STA. 3+00.00	TO STA. 3+50.00	CONTRACT NO. 76D59			
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



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

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

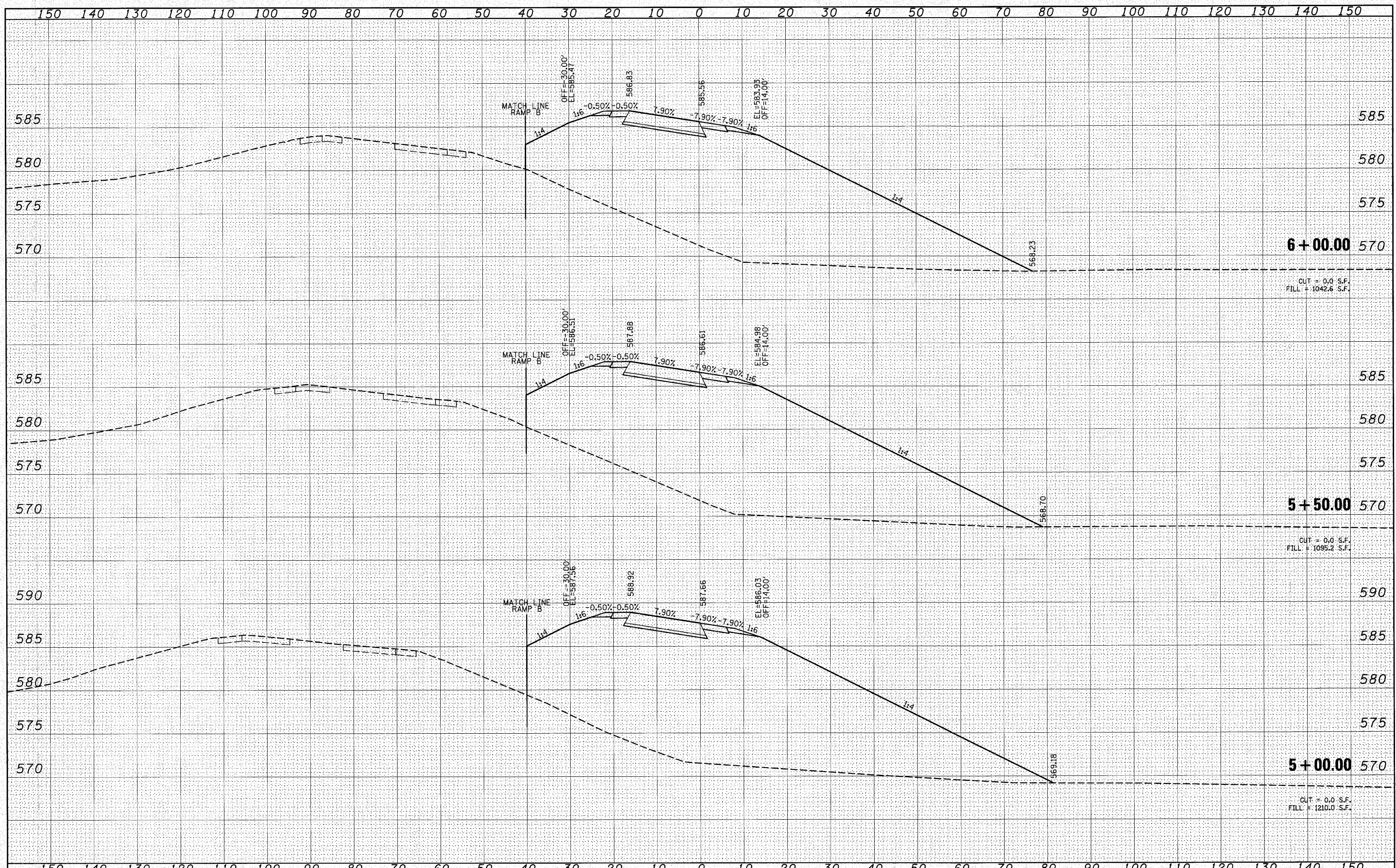


FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP F CROSS SECTIONS</b>			F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 153
ct:\p\work\p\side\burnsideem\2212578\0876299	ht:washl\dgn	DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 5 OF 14 SHEETS	STA. 4+00.00	TO STA. 4+50.00	ILLINOIS FED. AID PROJECT			
		CHECKED -	REVISED -									
		DATE -	REVISED -									



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

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



CUT = 0.0 S.F.  
FILL = 1042.6 S.F.

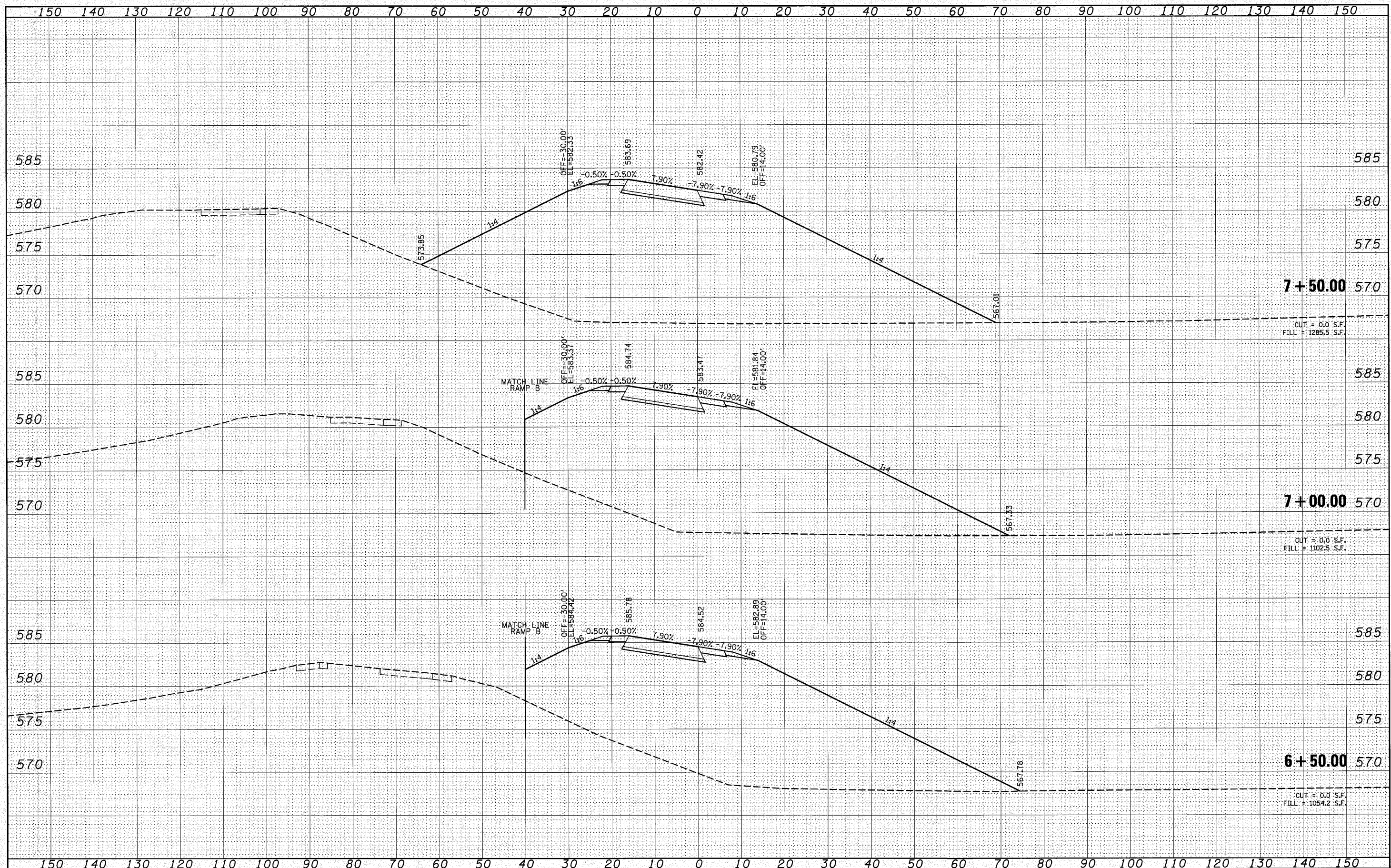
CUT = 0.0 S.F.  
FILL = 1095.2 S.F.

CUT = 0.0 S.F.  
FILL = 1210.0 S.F.



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

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

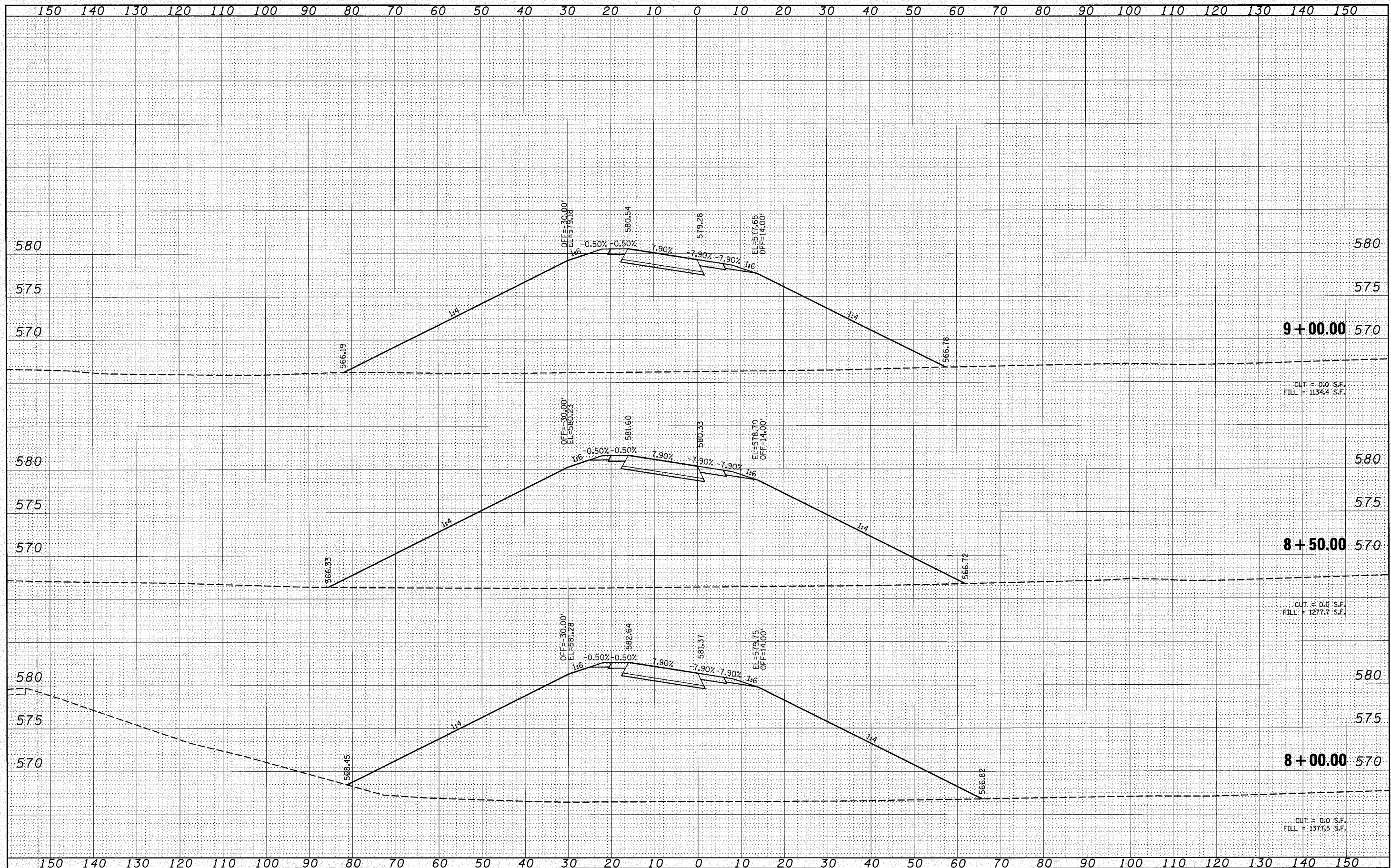


FILE NAME -	USER NAME - burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP F</b> <b>CROSS SECTIONS</b>		F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 155
as:\pwwork\pwwork\burnsideem\08210578\0876d59-ht-wsht1.dgn	PLT SCALE = 10.0000' / IN.	DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 7 OF 14 SHEETS	STA. 6+50.00 TO STA. 7+50.00	ILLINOIS FED. AID PROJECT		CONTRACT NO. 76D59	
	PLT DATE = 8/18/2010	CHECKED -	REVISED -								
		DATE -	REVISED -								



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

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



CUT = 0.0 S.F.  
FILL = 1134.4 S.F.

CUT = 0.0 S.F.  
FILL = 1277.7 S.F.

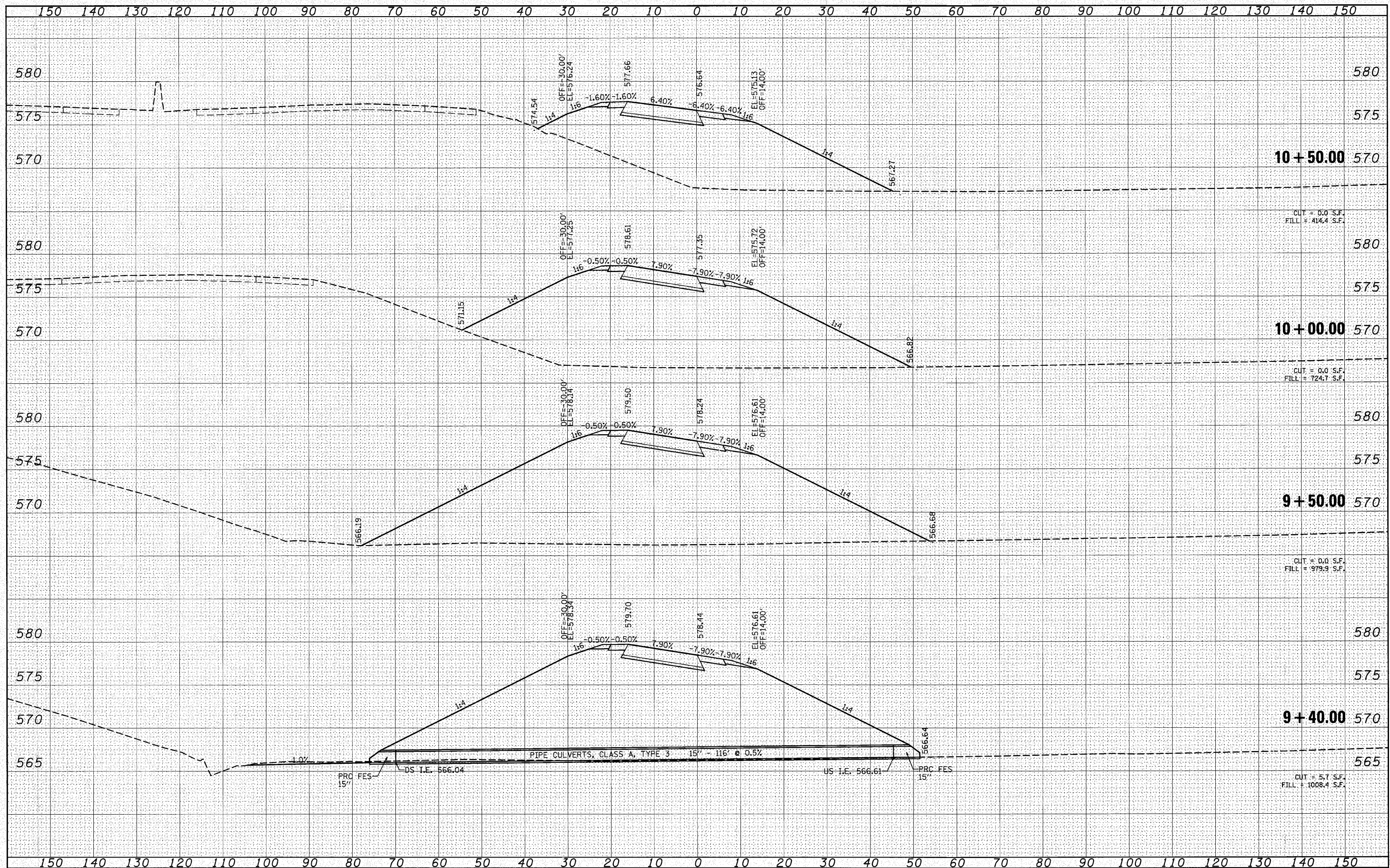
CUT = 0.0 S.F.  
FILL = 1377.5 S.F.

FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP F CROSS SECTIONS</b>		F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 156
es:\pwwork\pwwork\burnsideem\d2210578\0876d59	ht:\sshd1.dgn	DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 8 OF 14 SHEETS	STA. 8+00.00 TO STA. 9+00.00	CONTRACT NO. 76D59		ILLINOIS FED. AID PROJECT	
		CHECKED -	REVISED -								
		DATE -	REVISED -								



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

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

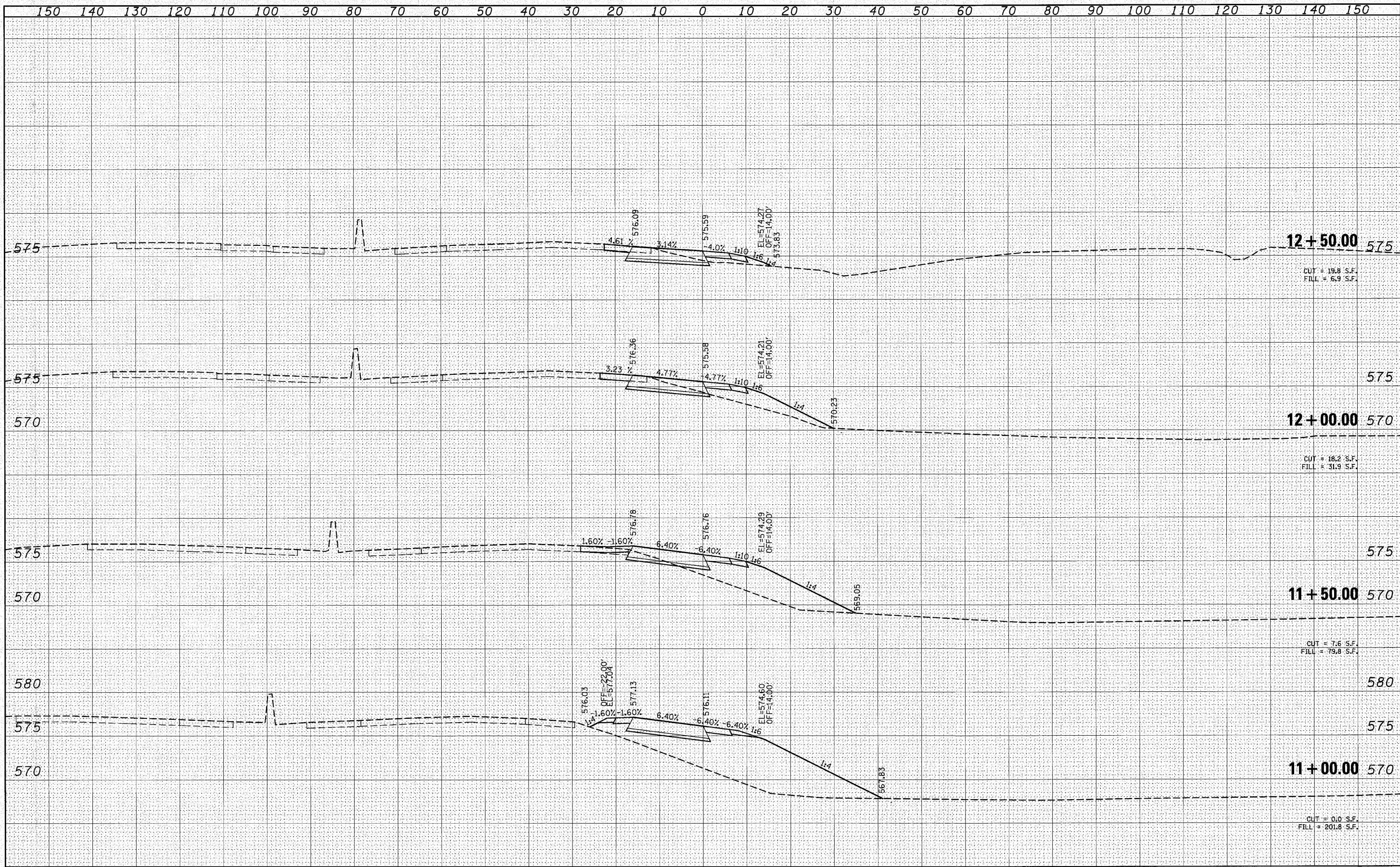


FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP F</b> <b>CROSS SECTIONS</b>		F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 157	
CONTRACT NO. 76D59	PLLOT SCALE = 10.0000 "/td> <td>CHECKED - DMW</td> <td>REVISED -</td> <td>SCALE:</td> <td>SHEET NO. 9 OF 14 SHEETS</td> <td>STA. 9+40.00 TO STA. 10+50.00</td> <td colspan="5">ILLINOIS FED. AID PROJECT</td>	CHECKED - DMW	REVISED -		SCALE:	SHEET NO. 9 OF 14 SHEETS	STA. 9+40.00 TO STA. 10+50.00	ILLINOIS FED. AID PROJECT				
PLLOT DATE = 8/18/2010	DATE	REVISI	REVISI									



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

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

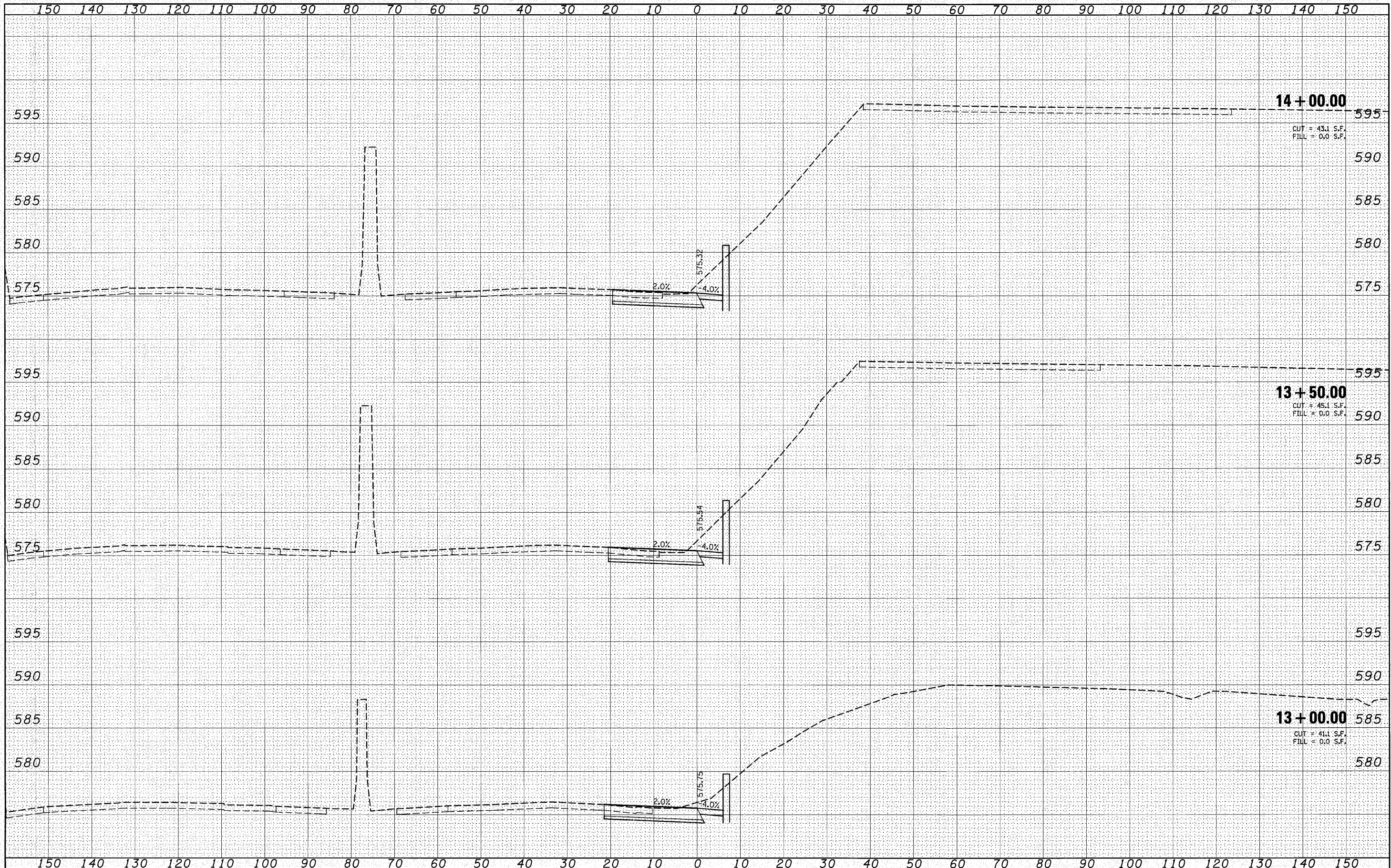


FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP F CROSS SECTIONS</b>			F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 158
es:\pwwork\pwwid\burnsideem\0210578\0876d59	ht:\ssht1.dgn	DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 10 OF 14 SHEETS	STA. 11+00.00	TO STA. 12+50.00	CONTRACT NO. 76D59		ILLINOIS FED. AID PROJECT	
		CHECKED -	REVISED -									
		DATE -	REVISED -									



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

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

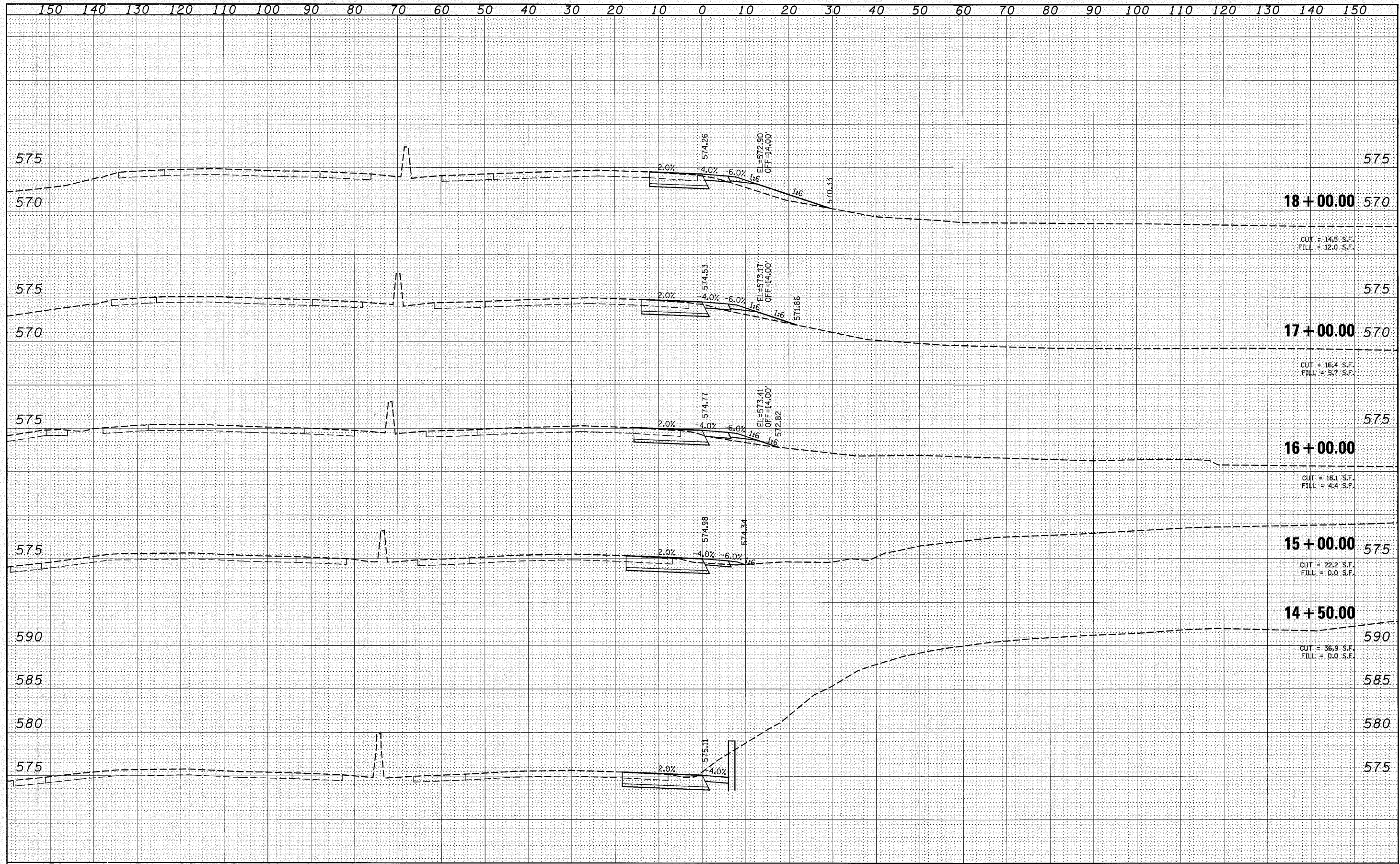


FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP F CROSS SECTIONS</b>			F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 159
et:\work\pwidot\burnsideem\0210578\0876d59-ht-xssht1.dgn	PLT SCALE = 10.0000' / IN.	DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 11 OF 14 SHEETS	STA. 13+00.00	TO STA. 14+00.00	CONTRACT NO. 76D59		ILLINOIS FED. AID PROJECT	
	PLT DATE = 8/10/2010	CHECKED -	REVISED -									
		DATE -	REVISED -									



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

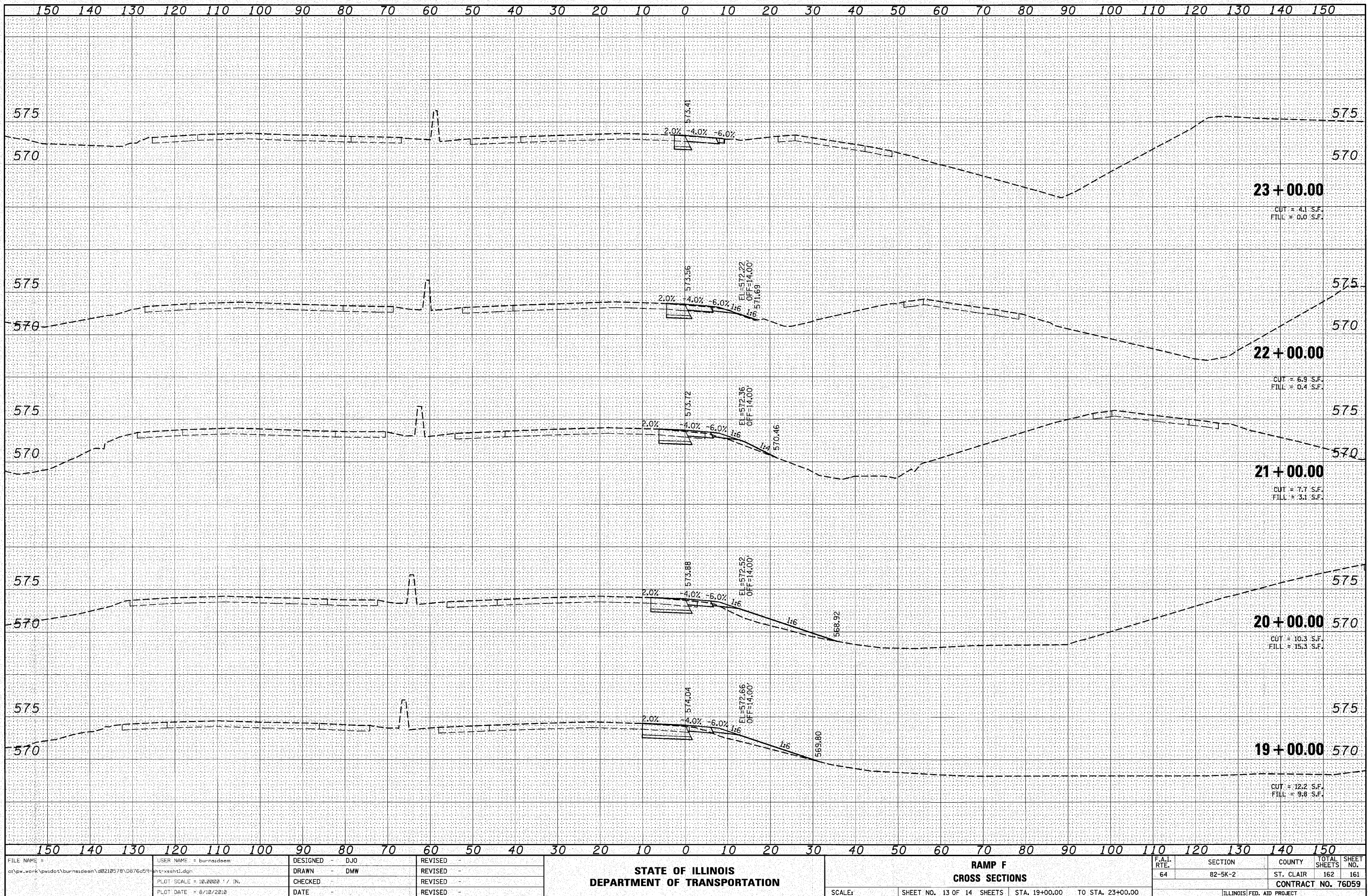
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED





FINAL		DATE
SURVEY		BY
NOTED		
BOOK		
NO.		

ORIGINAL		DATE
SURVEY		BY
NOTED		
BOOK		
NO.		

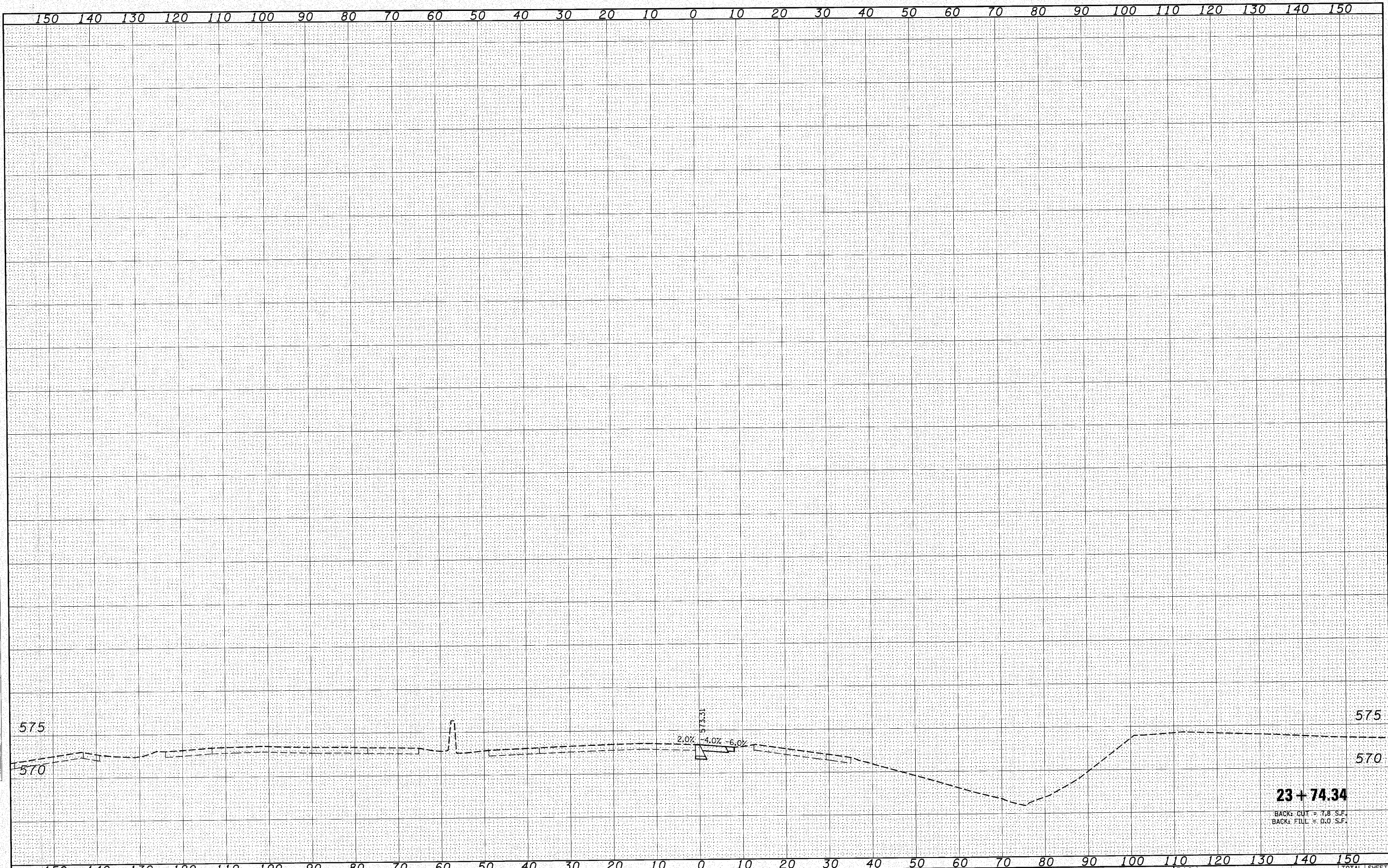


FILE NAME =	USER NAME = burnsideem	DESIGNED - DJO	REVISIED -	<p align="center"><b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b></p>	<p align="center"><b>RAMP F</b> <b>CROSS SECTIONS</b></p>	F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 161		
et:\pwwork\pwwork\burnsideem\8219578\0876c59	ent:\sheet1.dgn	DRAWN - DMW	REVISIED -			SCALE:	SHEET NO. 13 OF 14 SHEETS	STA. 19+00.00	TO STA. 23+00.00	CONTRACT NO. 76059		
PLOT SCALE = 10.0000' / IN.	CHECKED	DATE	REVISIED -			ILLINOIS FED. AID PROJECT						
PLOT DATE = 6/10/2010			REVISIED -									



FINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
AREAS CHECKED	

ORIGINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
AREAS CHECKED	



**23 + 74.34**

BACK: CUT = 7.8 S.F.  
BACK: FILL = 0.0 S.F.

FILE NAME =	USER NAME = burnsideam	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP F CROSS SECTIONS</b>		F.A.I. RTE. 64	SECTION 82-5K-2	COUNTY ST. CLAIR	TOTAL SHEETS 162	SHEET NO. 162	
cd:\p_w\work\pwsdot\burnsideam\d210578\0876259-htc-xsh1.dgn		DRAWN - DMW	REVISED -		SCALE:	SHEET NO. 14 OF 14 SHEETS	STA. 23+74.34 TO STA. 23+74.34	ILLINOIS FED. AID PROJECT				
PLOT SCALE = 10.0000' / IN.		CHECKED -	REVISED -									
PLOT DATE = 6/10/2010		DATE -	REVISED -									