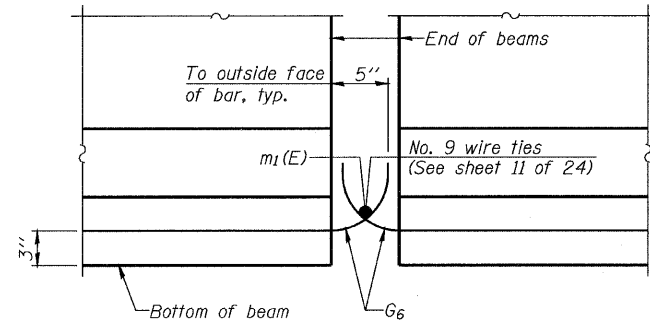


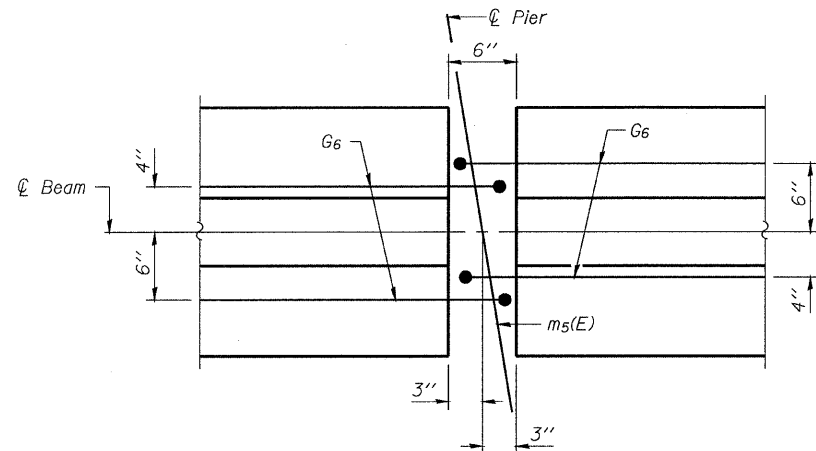
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	STAT. SHEETS	SHEET NO.	SHEET NO. 14
FAP 301	177-2	STEPHENSON	386	201	24 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

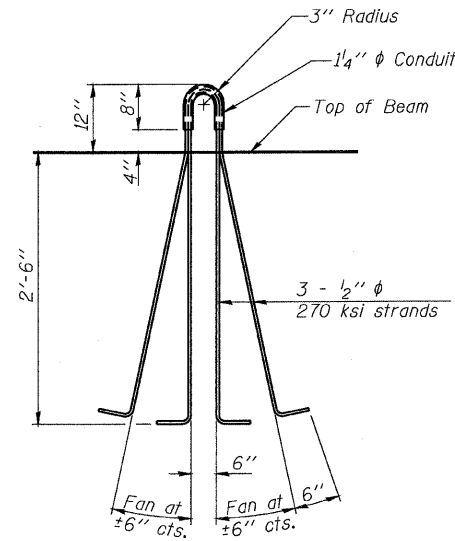
Contract No. 64799



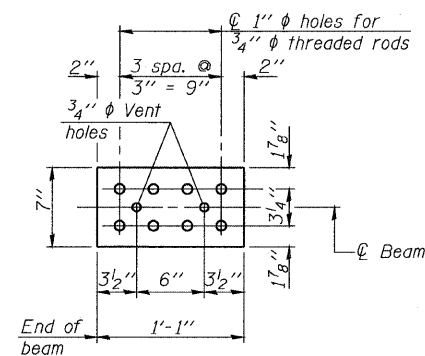
ELEVATION OF BEAM AT PIER



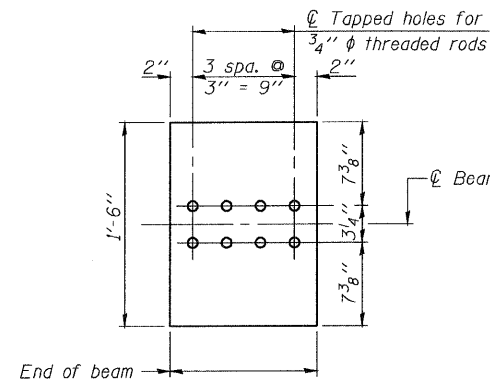
PLAN OF BEAM AT PIER



LIFTING LOOP DETAIL



TOP PLATE

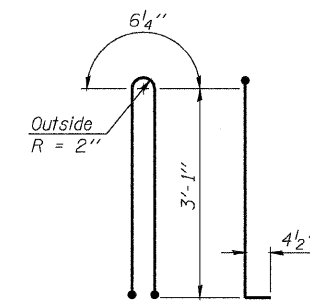


BOTTOM PLATE

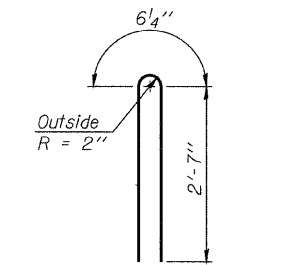
See bearing details for pintle hole locations when required.

NOTES

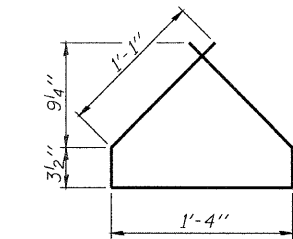
- Inserts for $\frac{3}{4}$ " ϕ threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams.
- Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270.
- The nominal diameter shall be $\frac{1}{2}$ " and the nominal cross-sectional area shall be 0.153 sq. in.
- Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions).
- A minimum $2\frac{1}{2}$ " ϕ lifting pin shall be used to engage the lifting loops during handling.
- Cut G₆ bars when necessary to maintain $1\frac{1}{2}$ " clearance.
- The top and bottom plates shall be AASHTO M270 Grade 50.
- The bottom plates and studs shall be galvanized according to AASHTO M111. Top plate and threaded bars need not be galvanized.
- Threaded rods shall be ASTM F 1554 Grade 55.



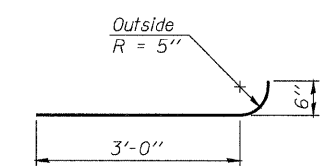
BAR G1



BAR G2



BAR G4



BAR G6

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 36"	Foot	852

DESIGNED	M.SHAIKH
CHECKED	J.ZUO
DRAWN	D.C.PATEL
CHECKED	J.GRAINAWI



36" PPC I-BEAM DETAILS
F.A.P. ROUTE 301 SECTION 177-2VB-1
STEPHENSON COUNTY
STATION 569+87.29
STRUCTURE NO. 089-0083

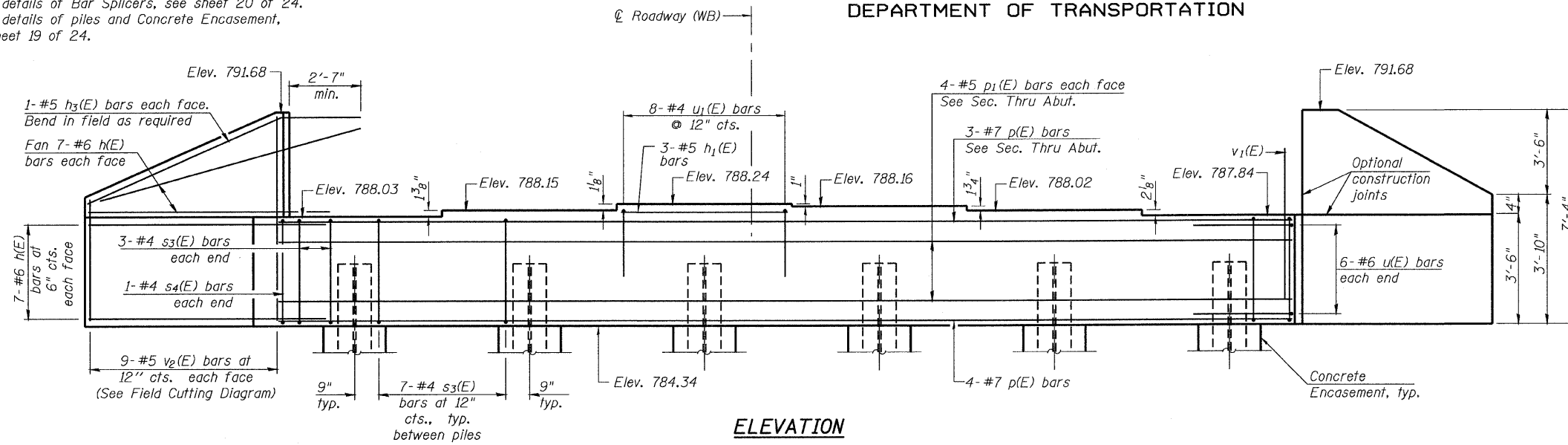
T:\16814A\Struct\Cadd\Prefinal\US20 Bridge 089-0083 (Jane Addams Trail Bridge)\000000-64799-000-014.dgn
25-JAN-2010 14:25

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

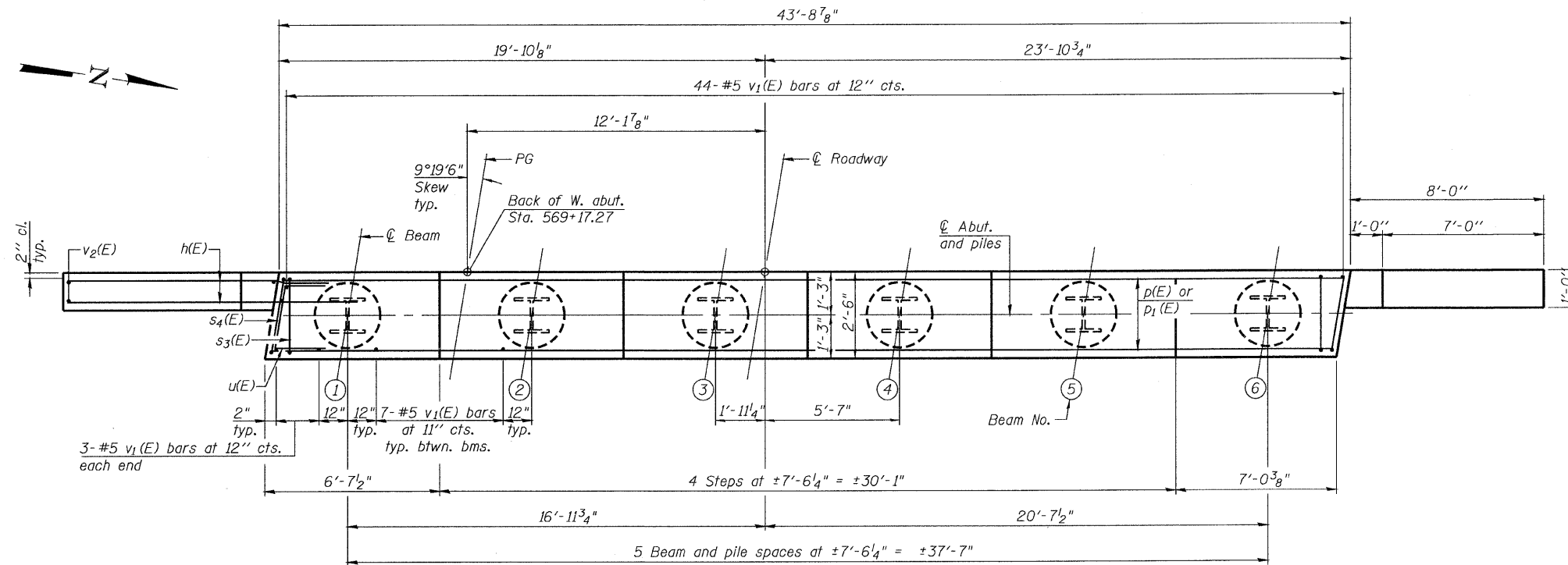
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 15
FAP 301	177-2	STEPHENSON	386	202	24 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract No. 64799

Notes:
Pour steps monolithically with cap.
For details of Bar Splicers, see sheet 20 of 24.
For details of piles and Concrete Encasement, see sheet 19 of 24.



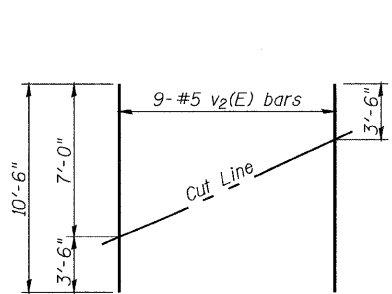
ELEVATION



PLAN

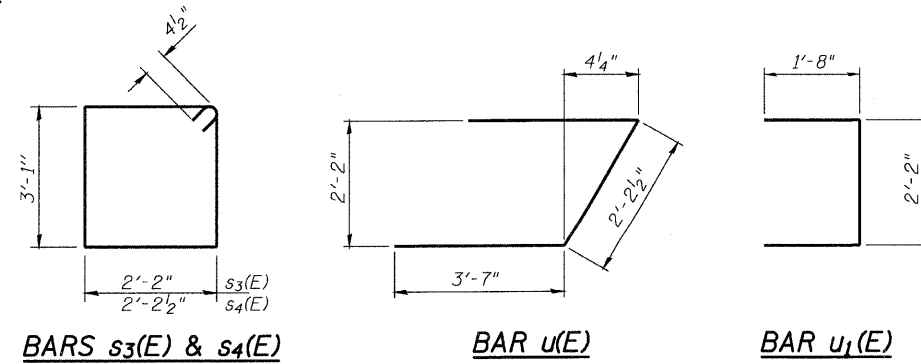
PILE DATA
Type: HP 10x57 w/Pile Shoes
Nominal Required Bearing: 454 kips
Factored Resistance Available: 151 kips
Est. Length: 82 ft.
No. Production Piles: 5
No. Test Piles: 1

DESIGNED	J.ZUO
CHECKED	Z. MORILLO
DRAWN	D.C.PATEL
CHECKED	J.GRAINAWI



FIELD CUTTING DIAGRAM

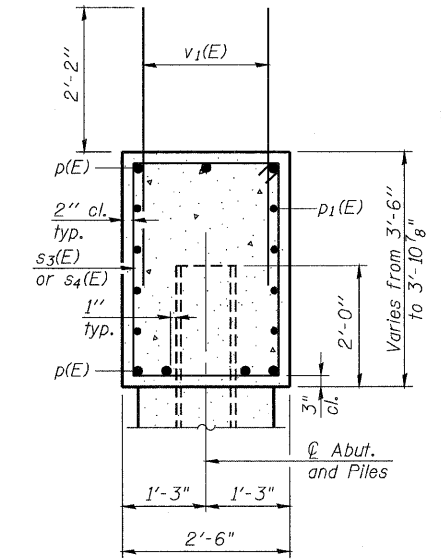
Order v₂(E) full length. Cut as shown and use remainder of bars in opposite face.



BARS s₃(E) & s₄(E)

BAR u(E)

BAR u₁(E)



SEC. THRU ABUT.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	56	#6	10'-6"	—
h ₁ (E)	3	#5	7'-2"	—
h ₃ (E)	4	#5	11'-3"	—
p(E)	7	#7	43'-5"	—
p ₁ (E)	8	#5	43'-5"	—
s ₃ (E)	41	#4	11'-3"	□
s ₄ (E)	2	#4	11'-4"	□
u(E)	12	#6	9'-5"	┌
u ₁ (E)	8	#4	5'-6"	┌
v ₁ (E)	85	#5	4'-4"	—
v ₂ (E)	18	#5	10'-6"	—
Structure Excavation		Cu. Yd.	47	
Concrete Structures		Cu. Yd.	18.5	
Concrete Encasement		Cu. Yd.	2.1	
Reinforcement Bars, Epoxy Coated		Pound	3040	
Furnishing Steel Piles, HP 10x57		Foot	410	
Driving Piles		Foot	410	
Test Pile, Steel HP 10x57		Each	1	
Pile Shoes		Each	5	

WEST ABUTMENT
F.A.P. ROUTE 301 SECTION 177-2VB-1
STEPHENSON COUNTY
STATION 569+87.29
STRUCTURE NO. 089-0083

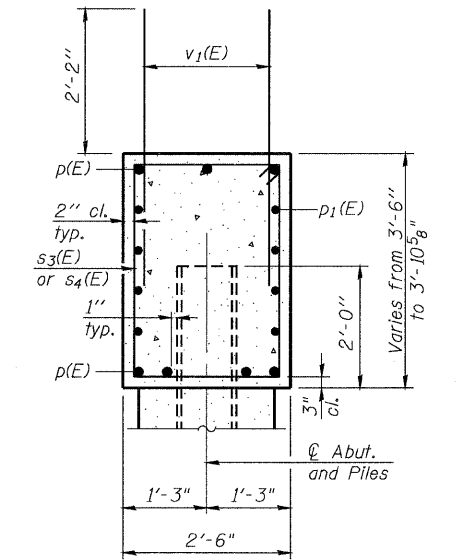
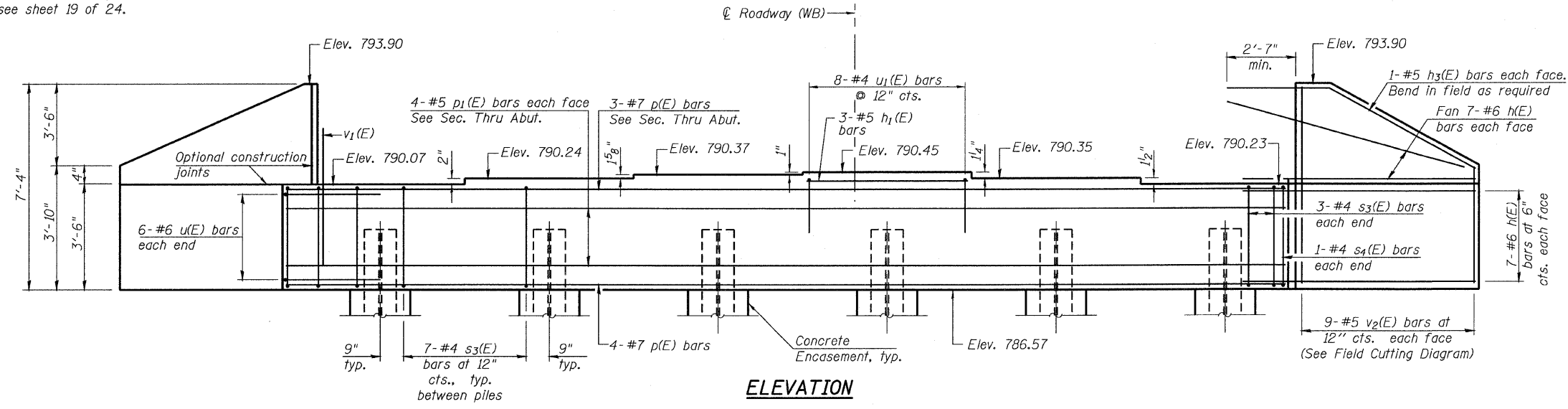


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 16
FAP 301	177-2	STEPHENSON	386	203	24 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract No. 64799

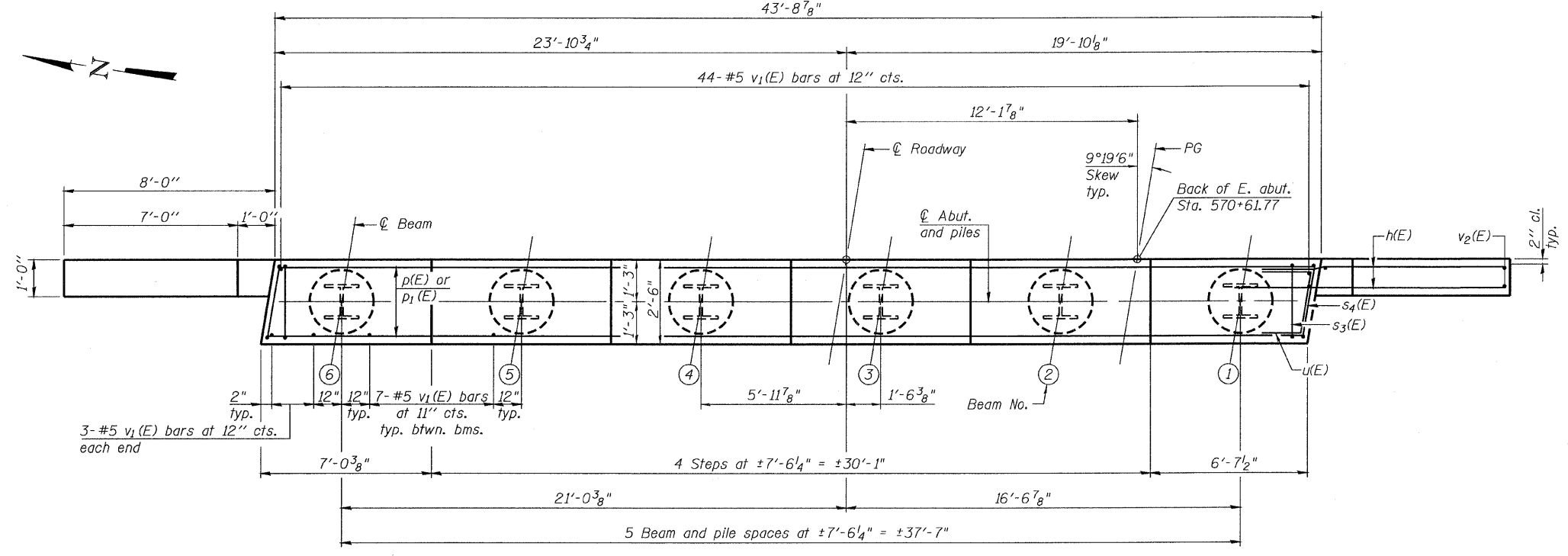
Notes:
Pour steps monolithically with cap.
For details of Bar Splicers, see sheet 20 of 24.
For details of piles and Concrete Encasement, see sheet 19 of 24.



SEC. THRU ABUT.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	56	#6	10'-6"	—
h1(E)	3	#5	7'-2"	—
h3(E)	4	#5	11'-3"	—
p(E)	7	#7	43'-5"	—
p1(E)	8	#5	43'-5"	—
s3(E)	41	#4	11'-3"	□
s4(E)	2	#4	11'-4"	□
u(E)	12	#6	9'-5"	┌
u1(E)	8	#4	5'-6"	┌
v1(E)	85	#5	4'-4"	—
v2(E)	18	#5	10'-6"	—
Structure Excavation		Cu. Yd.	47	
Concrete Structures		Cu. Yd.	18.5	
Concrete Encasement		Cu. Yd.	2.1	
Reinforcement Bars, Epoxy Coated		Pound	3040	
Furnishing Steel Piles, HP 10x57		Foot	385	
Driving Piles		Foot	385	
Test Pile, Steel HP 10x57		Each	1	
Pile Shoes		Each	5	

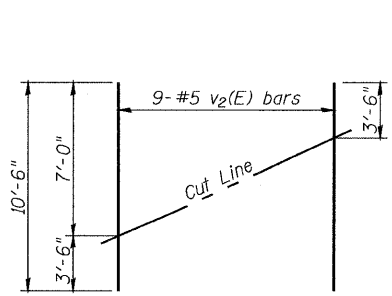


PLAN

PILE DATA

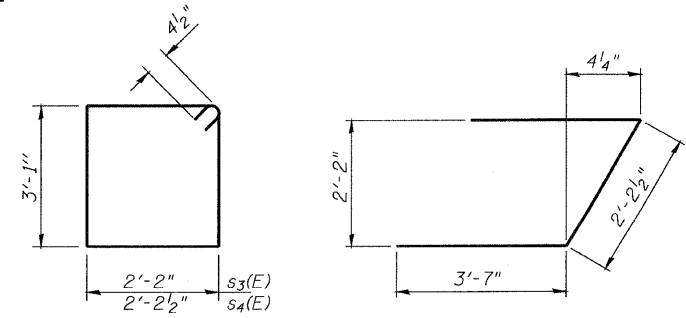
Type: HP 10x57 w/Pile Shoes
Nominal Required Bearing: 454 kips
Factored Resistance Available: 151 kips
Est. Length: 77 ft.
No. Production Piles: 5
No. Test Piles: 1

DESIGNED	J.ZUO
CHECKED	Z. MORILLO
DRAWN	D.C.PATEL
CHECKED	J.GRAINAWI

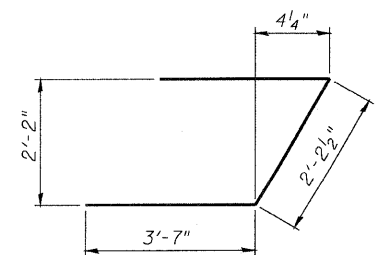


FIELD CUTTING DIAGRAM

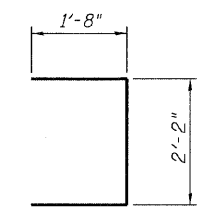
Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.



BARS s3(E) & s4(E)



BAR u(E)



BAR u1(E)

EAST ABUTMENT
F.A.P. ROUTE 301 SECTION 177-2VB-1
STEPHENSON COUNTY
STATION 569+87.29
STRUCTURE NO. 089-0083



T:\168144\Struct\Cadd\Trail Bridge\0000000-64799-000-016.dgn 25-JAN-2010 14:25

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
43'-11"

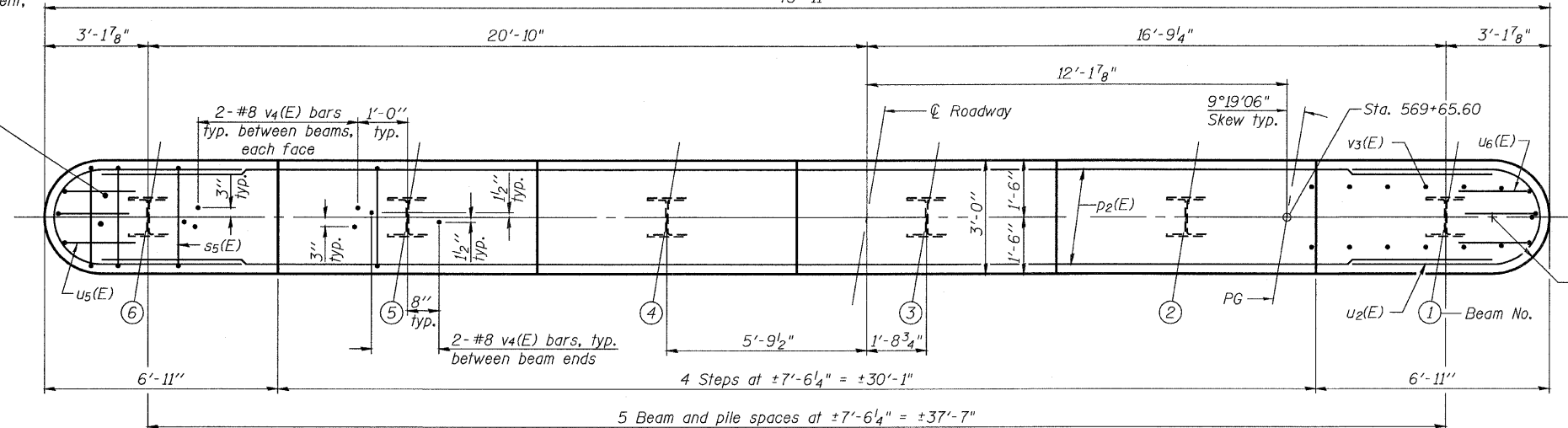
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 17
FAP 301	177-2	STEPHENSON	386	204	24 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract No. 64799

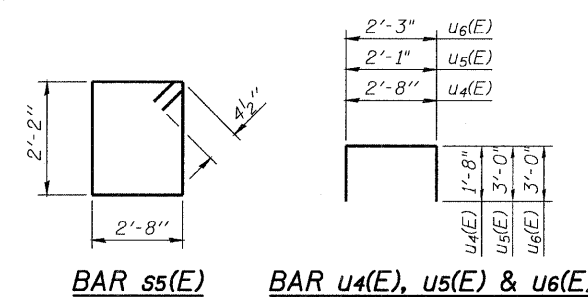
Notes:
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
For details of piles, and Concrete Encasement,
see sheet 19 of 24.

PILE DATA

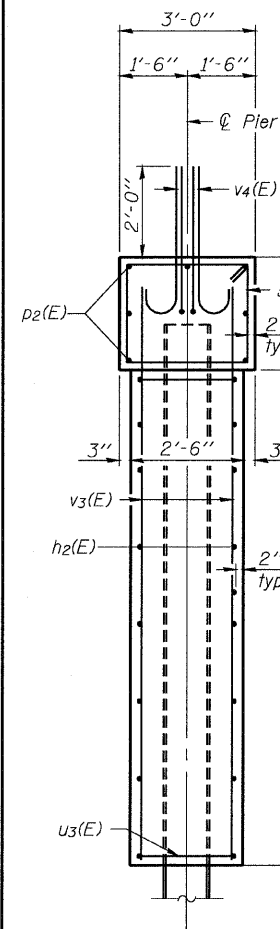
Type: HP 12 x 74 w/ Pile Shoes
Nominal Required Bearing: 589 kips
Allowable Resistance Available: 196 kips
Est. Length: 90 ft.
No. Production Piles: 5
No. Test Piles: 1



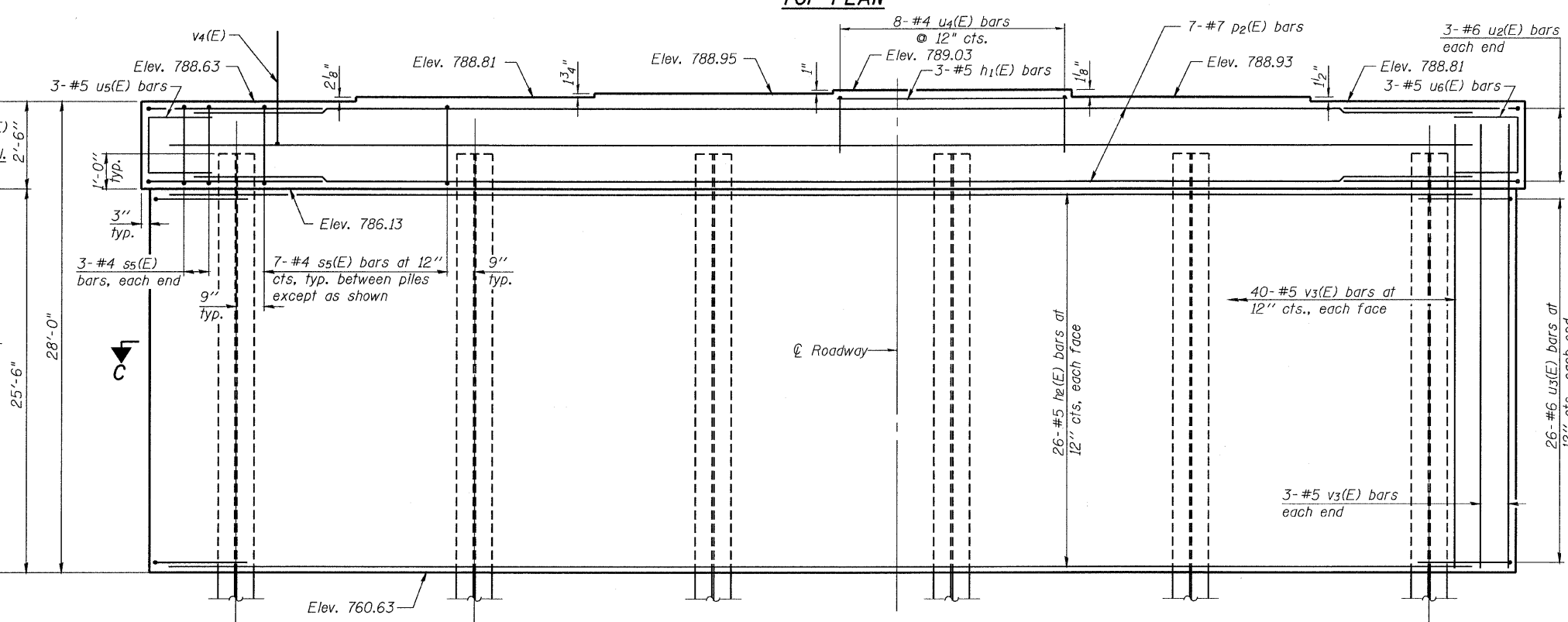
TOP PLAN



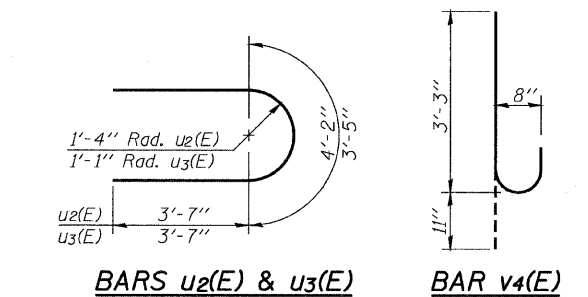
BAR s5(E) BAR u4(E), u5(E) & u6(E)



END VIEW



ELEVATION
(Looking East)

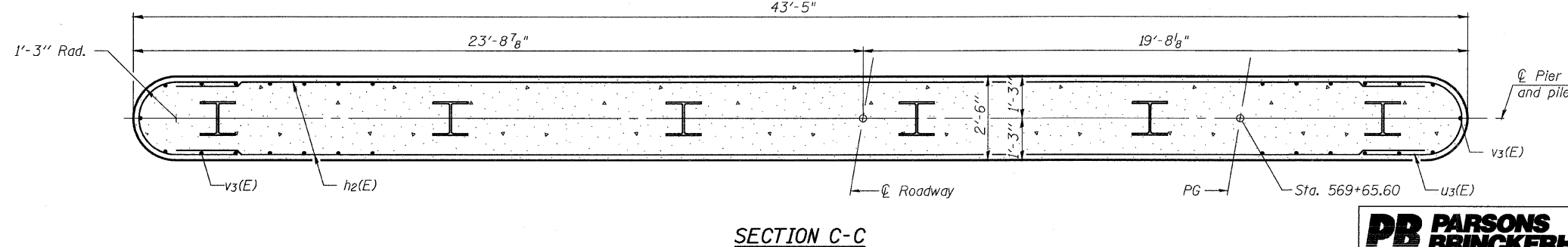


BARS u2(E) & u3(E) BAR v4(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	3	#5	7'-2"	—
h2(E)	52	#5	40'-11"	—
p2(E)	7	#7	40'-11"	—
s5(E)	41	#4	10'-5"	□
u2(E)	6	#6	11'-4"	┌┐
u3(E)	52	#6	10'-7"	┌┐
u4(E)	8	#4	6'-0"	┌┐
u5(E)	3	#5	8'-3"	┌┐
u6(E)	3	#5	8'-1"	┌┐
v3(E)	86	#5	27'-6"	—
v4(E)	30	#8	4'-2"	┌┐
Structure Excavation		Cu. Yd.	53	
Concrete Structures		Cu. Yd.	114.7	
Reinforcement Bars, Epoxy Coated		Pound	6930	
Furnishing Steel Piles, HP 12x74		Foot	450	
Driving Piles		Foot	450	
Test Pile, Steel HP 12x74		Each	1	
Pile Shoes		Each	5	

DESIGNED	J.ZUO
CHECKED	R. OTREMBIAK
DRAWN	D.C.PATEL
CHECKED	J.GRAINAWI



SECTION C-C



PIER 1
F.A.P. ROUTE 301 SECTION 177-2VB-1
STEPHENSON COUNTY
STATION 569+87.29
STRUCTURE NO. 089-0083

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
43'-11"

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 301	177-2	STEPHENSON	386	205
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

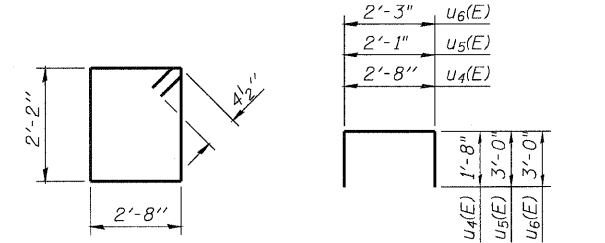
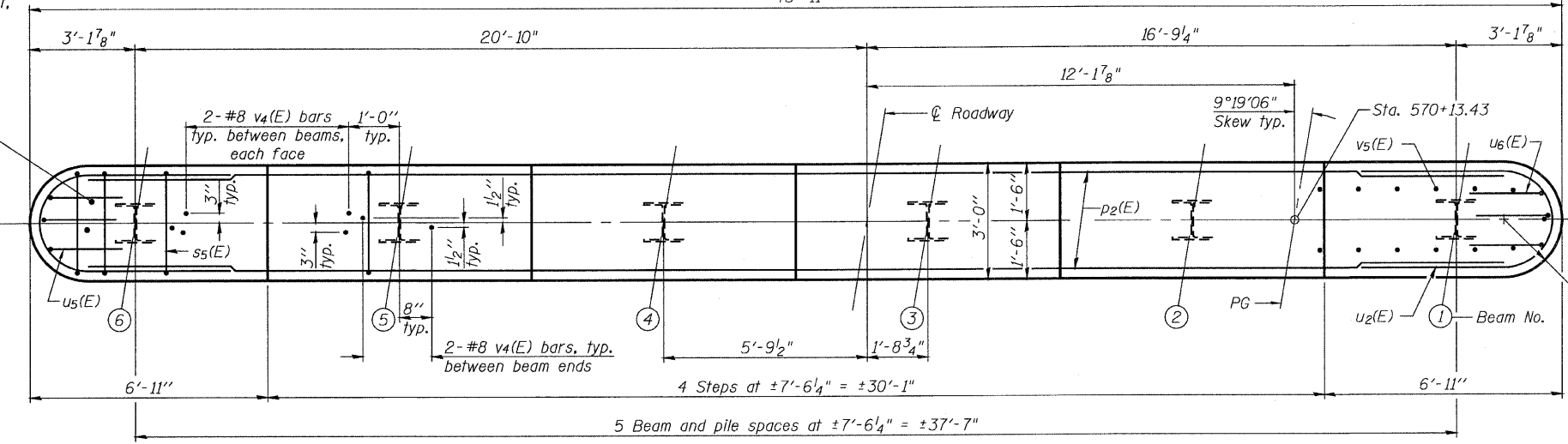
SHEET NO. 18
24 SHEETS

Contract No. 64799

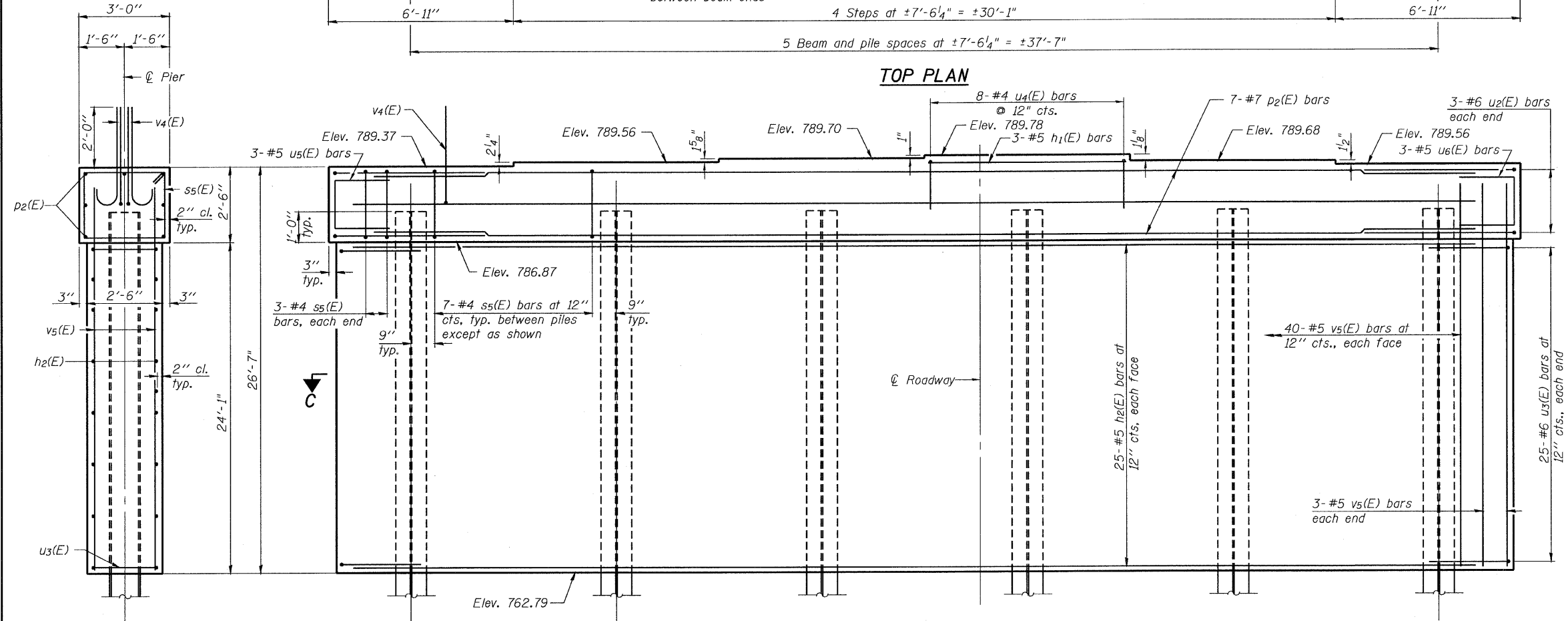
Notes:
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
For details of piles, and Concrete Encasement,
see sheet 19 of 24.

PILE DATA

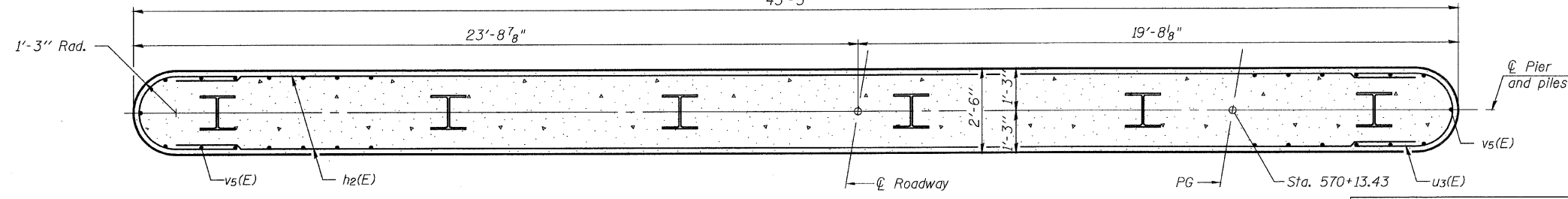
Type: HP 12 x 74 w/ Pile Shoes
Nominal Required Bearing: 589 kips
Allowable Resistance Available: 196 kips
Est. Length: 73 ft.
No. Production Piles: 5
No. Test Piles: 1



TOP PLAN



ELEVATION
(Looking East)



SECTION C-C

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	3	#5	7'-2"	—
h2(E)	50	#5	40'-11"	—
p2(E)	7	#7	40'-11"	—
s5(E)	41	#4	10'-5"	□
u2(E)	6	#6	11'-4"	U
u3(E)	50	#6	10'-7"	U
u4(E)	8	#4	6'-0"	U
u5(E)	8	#5	8'-3"	U
u6(E)	8	#5	8'-1"	U
v4(E)	30	#8	4'-2"	U
v5(E)	86	#5	26'-1"	—

Structure Excavation	Cu. Yd.	53
Concrete Structures	Cu. Yd.	109.0
Reinforcement Bars, Epoxy Coated	Pound	6690
Furnishing Steel Piles, HP 12x74	Foot	365
Driving Piles	Foot	365
Test Pile, Steel HP 12x74	Each	1
Pile Shoes	Each	5

PIER 2
F.A.P. ROUTE 301 SECTION 177-2VB-1
STEPHENSON COUNTY
STATION 569+87.29
STRUCTURE NO. 089-0083



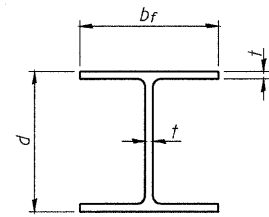
DESIGNED	J.ZUO
CHECKED	R. OTREMBIAK
DRAWN	D.C.PATEL
CHECKED	J.GRAINAWI

T:\168144\Struct\Cadd\Prefinal\US20 Bridge 089-0083 (Jane Addams Trail Bridge)1000000-64799-000-018.dgn 25-JAN-2010 14:25

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

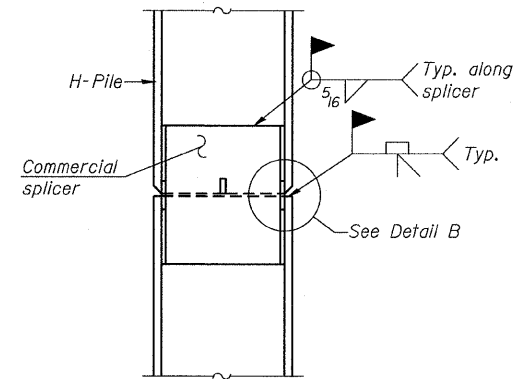
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 301	177-2	STEPHENSON	386	206
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

Contract No. 64799

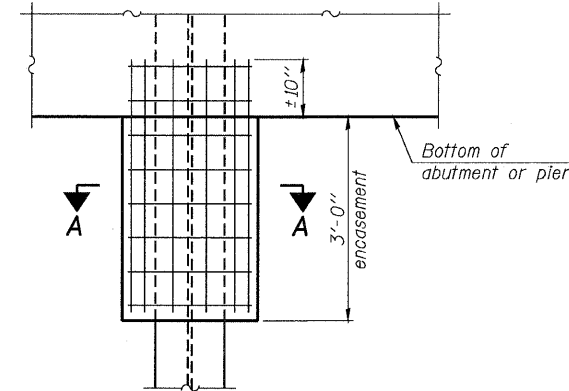


STEEL PILE TABLE

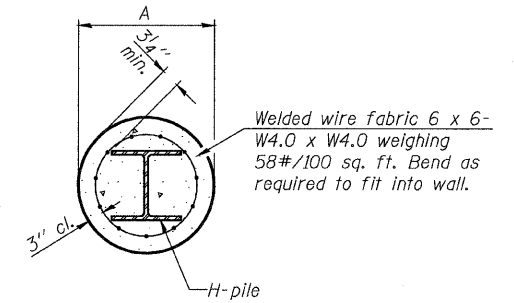
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11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



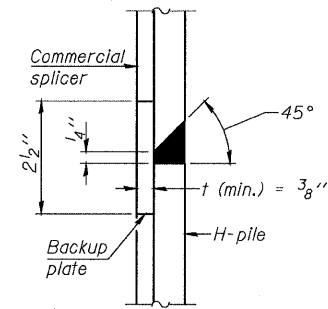
ELEVATION



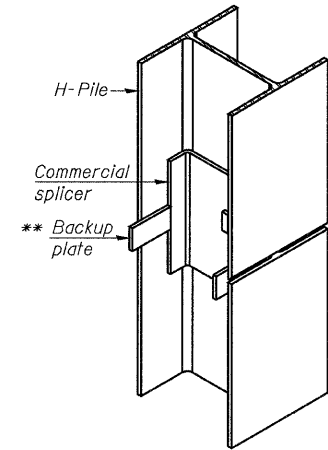
SECTION A-A

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

PILE ENCASEMENT

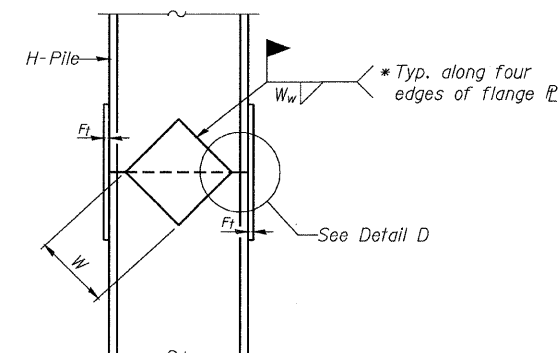


DETAIL "B"

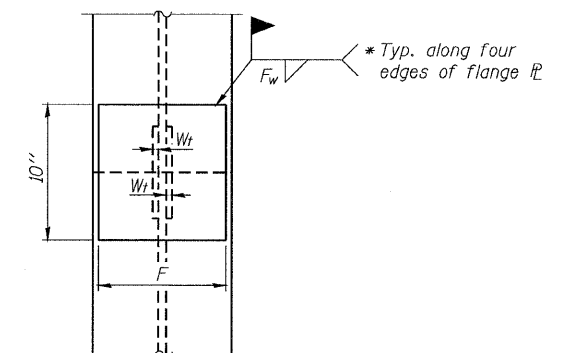


ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



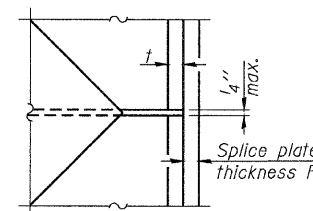
ELEVATION



END VIEW

WELDED PLATE FIELD SPLICE

Designation	F	F _t	F _w	W	W _t	W _w
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"

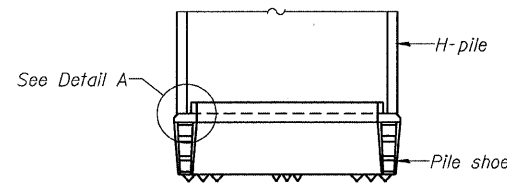


DETAIL D

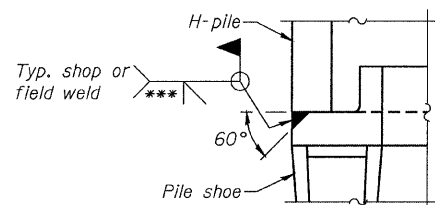
Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.



HP PILE DETAILS
F.A.P. ROUTE 301 SECTION 177-2VB-1
STEPHENSON COUNTY
STATION 569+87.29
STRUCTURE NO. 089-0083

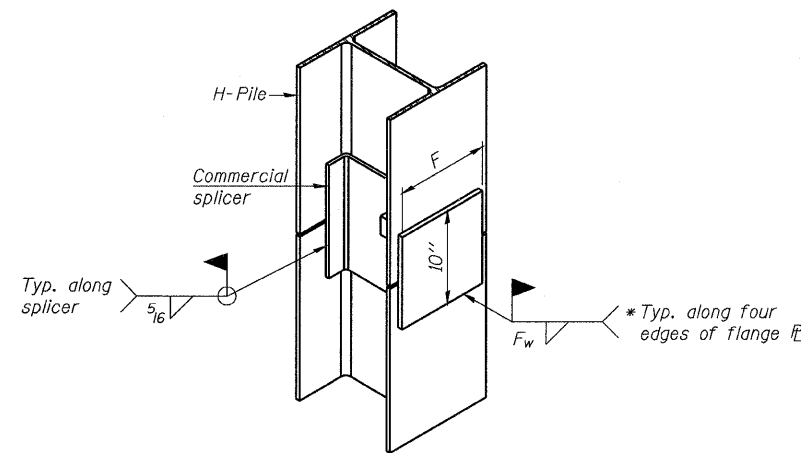


ELEVATION



DETAIL A

H-PILE SHOE ATTACHMENT



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.).

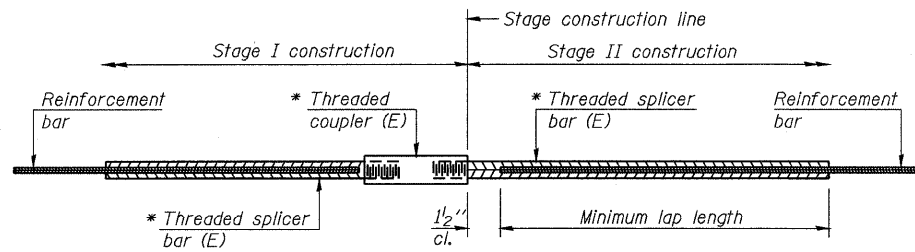
DESIGNED	M.SHAIKH
CHECKED	J.ZUO
DRAWN	D.C.PATEL
CHECKED	J.GRAINAWI

F-HP 11-1-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	IS/PS SHEETS	SHEET NO.	SHEET NO. 20
FAP 301	177-2	STEPHENSON	386	207	24 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract No. 64799



STANDARD BAR SPLICER ASSEMBLY

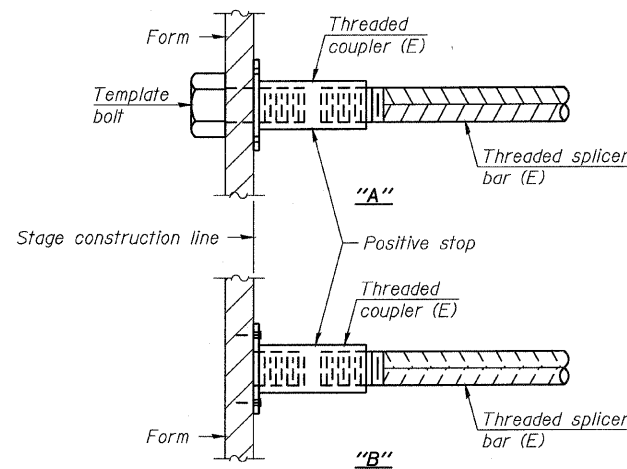
Bar size to be spliced	Minimum Lap Lengths			
	Table 1	Table 2	Table 3	Table 4
3, 4	1'-5"	1'-11"	2'-1"	2'-4"
5	1'-9"	2'-5"	2'-7"	2'-11"
6	2'-1"	2'-11"	3'-1"	3'-6"
7	2'-9"	3'-10"	4'-2"	4'-8"
8	3'-8"	5'-1"	5'-5"	6'-2"
9	4'-7"	6'-5"	6'-10"	7'-9"

Table 1: Black bar, 0.8 Class C
Table 2: Black bar, Top bar lap, 0.8 Class C
Table 3: Epoxy bar, 0.8 Class C
Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Threaded splicer bar length = min. lap length + 1/2" + thread length

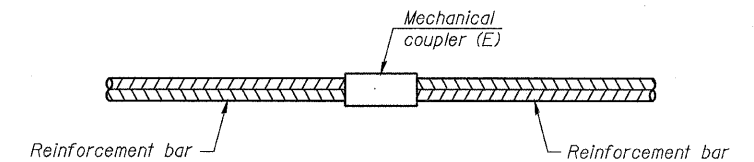
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length



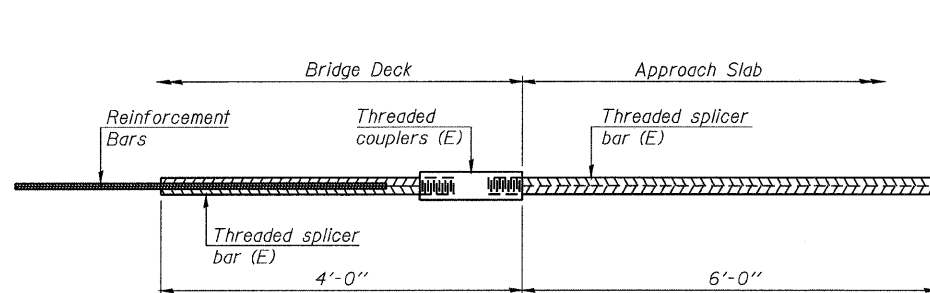
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



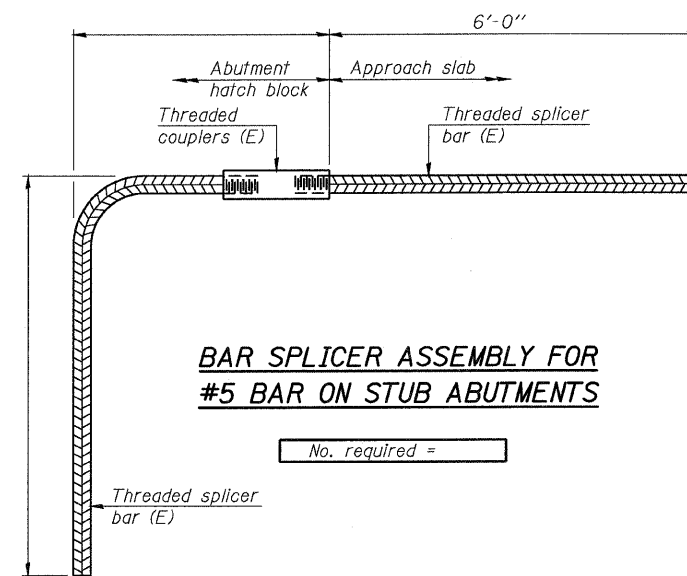
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required = 92 Each



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See special provision for Mechanical Splicers.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

DESIGNED	M.SHAIKH
CHECKED	J.ZUO
DRAWN	D.C.PATEL
CHECKED	J.GRAINAWI

BSD-1 11-1-09

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
F.A.P. ROUTE 301 SECTION 177-2VB-1
STEPHENSON COUNTY
STATION 569+87.29
STRUCTURE NO. 089-0083

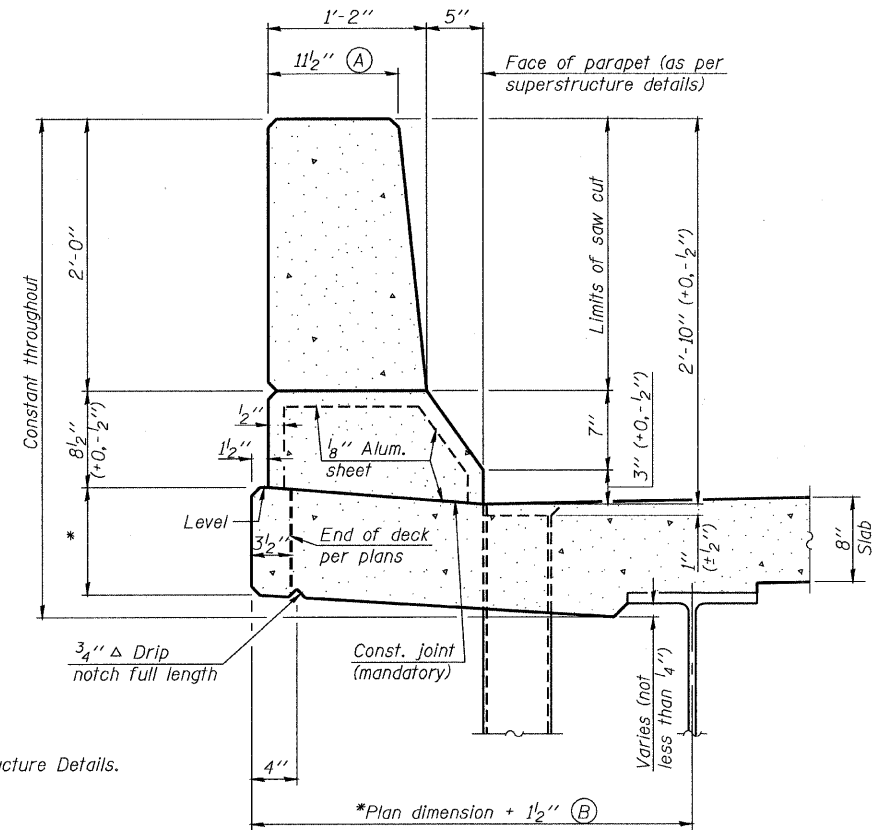


T:\16814A\Struct\Cad\Drawn\US20 Bridge 089-0083 (Jane Addams Trail Bridge)1000000-64799-000-000-020.dgn 25-JAN-2010 14:25

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

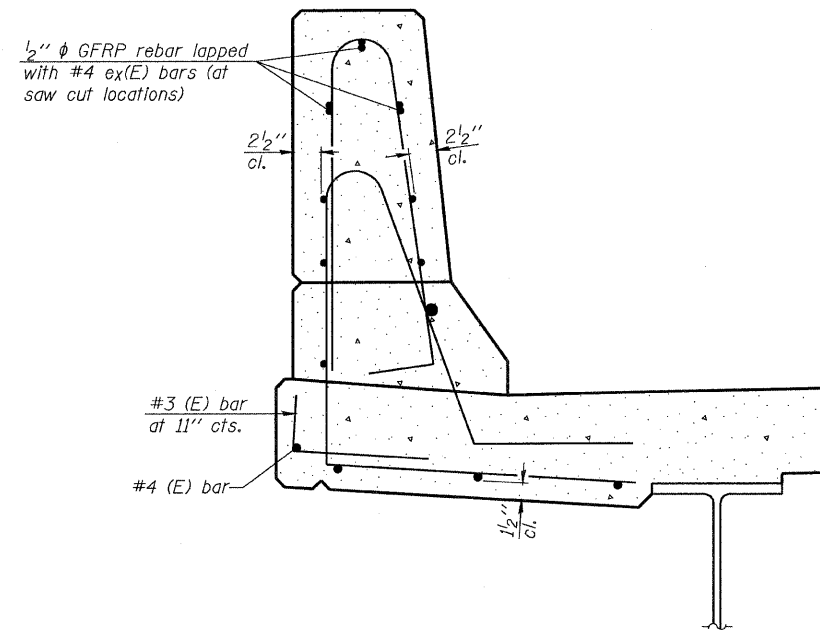
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 21 24 SHEETS
FAP 301	177-2	STEPHENSON	386	208	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract No. 64799



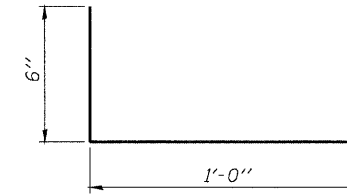
SECTION
(Showing dimensions)

* See Superstructure Details.

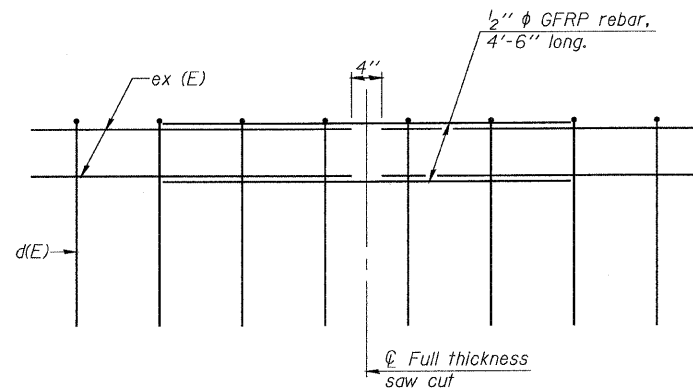


SECTION

(Showing reinforcement clearances for slip forming and additional reinforcement bars)



#3 (E) BAR



GFRP REBAR STIFFENING DETAIL

(Place as shown in parapet section at each parapet joint location.)

**CONCRETE PARAPET
SLIPFORMING OPTION**
F.A.P. ROUTE 301 SECTION 177-2VB-1
STEPHENSON COUNTY
STATION 569+87.29
STRUCTURE NO. 089-0083



DESIGNED	M.SHAIKH
CHECKED	J.ZUO
DRAWN	D.C.PATEL
CHECKED	J.GRAINAWI

SFP-34 11-1-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 301	177-2	STEPHENSON	386	209
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 22
24 SHEETS

Contract No. 64799



SOIL BORING LOG

Page 1 of 2

Division of Highways District 2, Dixon
P92-029-02 Freeport bypass over J. Addams Trail, 2 m. W. of IL 26
ROUTE US 20 Freeport Bypass DESCRIPTION Trail, 2 m. W. of IL 26 LOGGED BY C. Jenkins
SECTION 177-3HB-3 LOCATION Harlem Twp. - 14 SW. SEC. - TWP. 27N. RNG. 7E
COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DEPTH (ft)	BLOW COUNT (6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT (6")	UCS (tsf)	MOISTURE (%)
		B-1c	1569+16	99.00# LL CL	65.0					Surface Water Elev. None ft Stream Bed Elev. None ft Groundwater Elev.: First Encounter 50.0 ft Upon Completion Wash ft				
						43.50				DENSE tan SAND & GRAVEL with weathered LIMESTONE fragments	12 15 20			
						62.50				MEDIUM gray SILTY CLAY				
						61.00				Begin Wash VERY DENSE tan well-cemented SAND & GRAVEL with LIMESTONE fragments	22 30 25			
						58.50				Wash DENSE gray SAND & GRAVEL	11 18 23			
						56.00				Wash STIFF gray SILTY LOAM TILL	1 3 5	1.2 B	28	
						53.00				Wash Same as above	0 2 3	0.8 B	30	
						51.00				VERY STIFF gray SILT	6 9 16	2.3 S	19	
						48.50				VERY STIFF gray SILTY LOAM	8 14 18	2.3 B	22	
						46.00				HARD gray SILTY CLAY	8 10 17	6.0 S	20	

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)



SOIL BORING LOG

Page 2 of 2

Division of Highways District 2, Dixon
P92-029-02 Freeport bypass over J. Addams Trail, 2 m. W. of IL 26
ROUTE US 20 Freeport Bypass DESCRIPTION Trail, 2 m. W. of IL 26 LOGGED BY C. Jenkins
SECTION 177-3HB-3 LOCATION Harlem Twp. - 14 SW. SEC. - TWP. 27N. RNG. 7E
COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DEPTH (ft)	BLOW COUNT (6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT (6")	UCS (tsf)	MOISTURE (%)
		B-1c	1569+16	99.00# LL CL	65.0					Surface Water Elev. None ft Stream Bed Elev. None ft Groundwater Elev.: First Encounter 50.0 ft Upon Completion Wash ft				
						23.50				Wash HARD gray SILTY CLAY	7 10 18	5.4 B	20	
						21.00				Wash 7/30/03 HARD gray SILTY LOAM TILL	7 9 30	4.1 S	24	
						18.50				DENSE gray SILTY CLAY TILL with LIMESTONE fragments	27 17 25		17	
						15.50				VERY DENSE gray SILTY CLAY TILL with LIMESTONE fragments	17 15 100/8		14	
						13.50				Wash VERY DENSE tan/gray weathered LIMESTONE under gray SILTY CLAY TILL	33 31 29			
						11.75				VERY DENSE very weathered tan LIMESTONE	45 55			
										End of Boring	100/10 PEN			

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)



SOIL BORING LOG

Page 1 of 2

Division of Highways District 2, Dixon
P92-029-02 Freeport bypass over J. Addams Trail, 2 m. W. of IL 26
ROUTE US 20 Freeport Bypass DESCRIPTION Trail, 2 m. W. of IL 26 LOGGED BY C. Jenkins
SECTION 177-3HB-3 LOCATION Harlem Twp. - 14 SW. SEC. - TWP. 27N. RNG. 7E
COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DEPTH (ft)	BLOW COUNT (6")	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT (6")	UCS (tsf)	MOISTURE (%)
		B-2c	1569+16	88.00# LL EB CL	65.3					Surface Water Elev. None ft Stream Bed Elev. None ft Groundwater Elev.: First Encounter 47.3 ft Upon Completion Wash ft				
						43.30				MEDIUM tan fine SAND with LIMESTONE fragments	5 12 18			
						62.30				STIFF gray SILTY CLAY				
						60.80				Begin Wash Same as above	7 9 14			
						58.30				Wash LOOSE tan fine grained SAND	2 3 5			
						55.80				STIFF gray SILTY CLAY	2 3 5	1.9 B	24	
						53.80				Same as above	2 3 4	1.8 B	24	
						52.80				VERY LOOSE tan fine SAND	1 1 2			
						50.80				Wash HARD gray SILTY CLAY	6 9 12	5.0 S	19	
						48.30				MEDIUM tan fine grained SAND	0 3 9			
						46.80				MEDIUM tan fine grained SAND with LIMESTONE fragments	3 8 15			
						25.80				DENSE gray SILTY CLAY TILL	7 14 16		23	

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	M.SHAIKH
CHECKED	J.C.MUHAMMAD
DRAWN	D.C.PATEL
CHECKED	J.GRAINAWI

SOIL BORING LOGS
F.A.P. ROUTE 301 SECTION 177-2VB-1
STEPHENSON COUNTY
STATION 569+87.29
STRUCTURE NO. 089-0083



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

Page 2 of 2

ROUTE US 20 Freoport Bypass DESCRIPTION P92-029-02 Freoport bypass over J. Addams Trail, 2 m. W. of IL 26 LOGGED BY C. Jenkins
SECTION 177-3HB-3 LOCATION Harlem Twp. - 14SW, SEC. , TWP. 27N, RNG. 7E
COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO.	DEPTHS	BULGE	UCS	MOIST	Surface Water Elev.	DEPTHS	BULGE	UCS	MOIST
Station	(ft)	(%)	(tsf)	(%)	None ft	(ft)	(%)	(tsf)	(%)
					Stream Bed Elev. None ft				
BORING NO. B-2c					Groundwater Elev.:				
Station 1569+84					First Encounter 47.3 ft				
Offset 88.00R L1 EB CL					Upon Completion Wash ft				
Ground Surface Elev. 85.3 ft					After Hrs.				
Wash	7				VERY DENSE orange/yellow weathered LIMESTONE	4.10		56	
DENSE gray SILTY CLAY TILL with LIMESTONE fragments	16							44	
	21				End of Boring			100/8	
								PEN	
DENSE tan/gray very weathered dirty LIMESTONE	15								
	15								
	34								
	-45							-86	
VERY DENSE tan/gray very weathered dirty LIMESTONE	34								
	34								
	26								
	18.30								
8/1/03 DENSE tan very weathered LIMESTONE	67								
	22								
	8								
	-50							-70	
VERY DENSE tan/gray weathered LIMESTONE	100/6								
	PEN								
	13.30								
VERY DENSE gray weathered LIMESTONE	100/1								
	PEN								
	10.80								
	-55							-75	
DENSE tan/gray dirty very weathered LIMESTONE	15								
	18								
	30								
	8.30								
MEDIUM orange very weathered LIMESTONE	17								
	12								
	12								
	5.80								
	-60							-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, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 2

ROUTE US 20 Freoport Bypass DESCRIPTION P92-029-02 Freoport Bypass over J. Addams Trail, 2 m. W. of IL 26 LOGGED BY C. Jenkins
SECTION 177-3HB-3 LOCATION Harlem Twp. - 14SW, SEC. , TWP. 27N, RNG. 7E
COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO.	DEPTHS	BULGE	UCS	MOIST	Surface Water Elev.	DEPTHS	BULGE	UCS	MOIST
Station	(ft)	(%)	(tsf)	(%)	None ft	(ft)	(%)	(tsf)	(%)
					Stream Bed Elev. None ft				
BORING NO. B-3c					Groundwater Elev.:				
Station 1570+08					First Encounter 53.6 ft				
Offset 78.00R L1 EB CL					Upon Completion Wash ft				
Ground Surface Elev. 68.6 ft					After Hrs.				
MEDIUM tan SILTY LOAM with GRAVEL			0.7	16	Begin Wash	13			
					DENSE tan fine grained SAND with LIMESTONE fragments	14			
						27			
						44.10			
MEDIUM brown SILTY CLAY	63.60		3		Wash	4			
			4	1.0	STIFF brown SILTY LOAM	5	1.5	20	
	62.10		6	B		42.10			
	-5					-26			
VERY STIFF gray with rust SILTY CLAY	2		5	3.1	MEDIUM brown SILTY CLAY	1		0.9	24
	7		7	B		39.60		5	B
	59.60								
STIFF gray with rust SILTY CLAY	3		3	1.3	VERY STIFF gray SILTY CLAY	1		3.9	22
	5		5	B		37.10		7	B
	55.00		-10			-30			
LOOSE tan fine grained SAND	1				Same as above	5			
	2					8	2.9	20	
	4					34.60		11	S
	54.00								
VERY LOOSE tan very fine grained SAND	1				HARD gray SILTY CLAY	6		4.1	23
	0					32.10		9	S
	1					-35		12	S
	52.10		-15						
MEDIUM tan fine grained SAND with LIMESTONE fragments	1				Wash	11			
	4				Same as above	11	4.3	23	
	15					23.10		15	S
	49.60								
DENSE tan fine grained SAND with LIMESTONE fragments	6				Wash	7			
	12				DENSE tan weathered LIMESTONE	21			
	20					27.10		22	
	47.10		-20						

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)



SOIL BORING LOG

Page 2 of 2

ROUTE US 20 Freoport Bypass DESCRIPTION P92-029-02 Freoport Bypass over J. Addams Trail, 2 m. W. of IL 26 LOGGED BY C. Jenkins
SECTION 177-3HB-3 LOCATION Harlem Twp. - 14SW, SEC. , TWP. 27N, RNG. 7E
COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO.	DEPTHS	BULGE	UCS	MOIST	Surface Water Elev.	DEPTHS	BULGE	UCS	MOIST
Station	(ft)	(%)	(tsf)	(%)	None ft	(ft)	(%)	(tsf)	(%)
					Stream Bed Elev. None ft				
BORING NO. B-3c					Groundwater Elev.:				
Station 1570+08					First Encounter 53.6 ft				
Offset 78.00R L1 EB CL					Upon Completion Wash ft				
Ground Surface Elev. 66.6 ft					After Hrs.				
Wash	36				VERY DENSE tan weathered LIMESTONE	24.80		100/11	
VERY DENSE tan weathered LIMESTONE	64							PEN	
	100/6				Wash	100/6			
	PEN				VERY DENSE tan/orange weathered LIMESTONE	22.10			
	-45								
Same as above	100/3					20.70		PEN	
End of Boring									
	-50								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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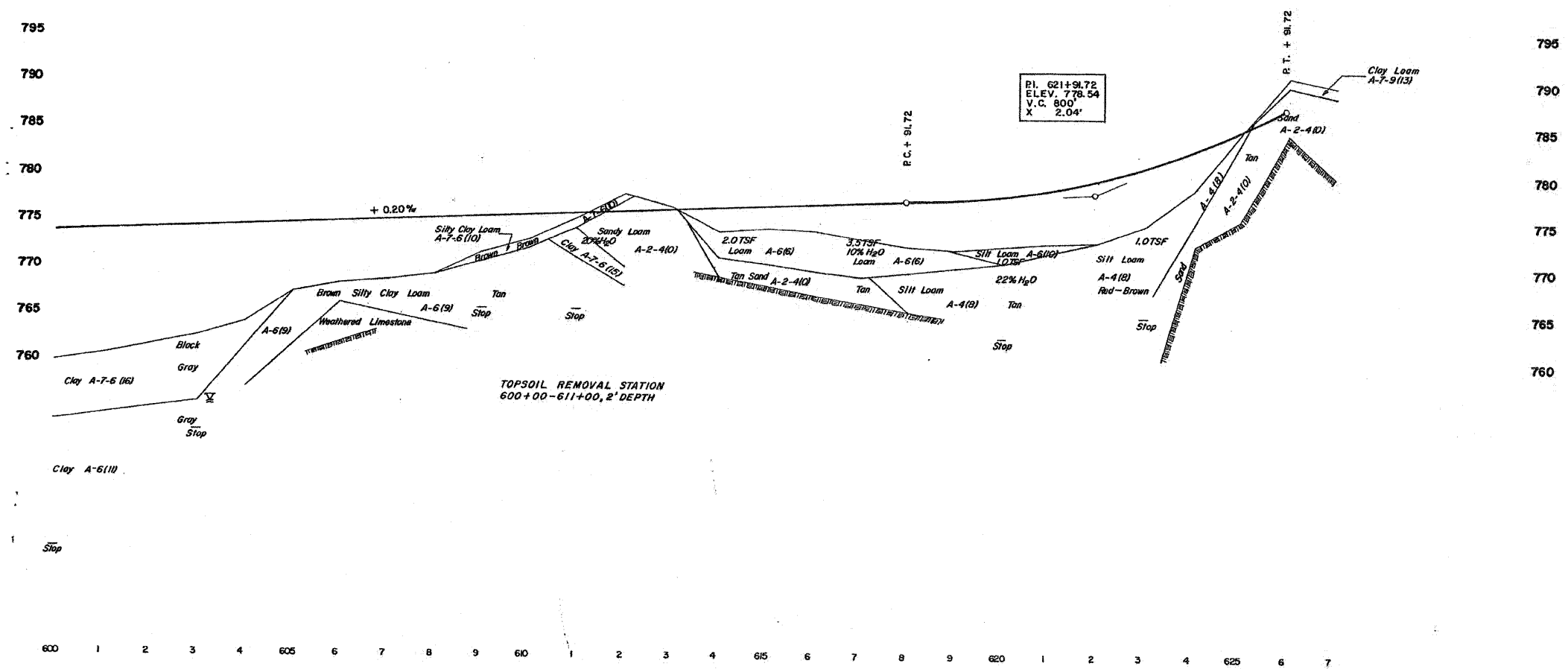
DESIGNED	M. SHAIKH
CHECKED	J.C. MUHAMMAD
DRAWN	D.C. PATEL
CHECKED	J. GRAINAWI

SOIL BORING LOGS
F.A.P. ROUTE 301 SECTION 177-2VB-1
STEPHENSON COUNTY
STATION 569+87.29
STRUCTURE NO. 089-0083



F.A.P. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301 (-1A, B-1, VB-1)	STEPHENSON	386	212
STA. TO STA.			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	
P-92-029-02		CONTRACT #64799	

FA 40177-2 STEPHENSON
600 627



NOTE:
GEOTECHNICAL INVESTIGATION AND
SOILS INFORMATION PER IDOT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.P. ROUTE 301 (US RTE. 20)
FROM BOLTON ROAD TO WEST OF IL RTE. 26

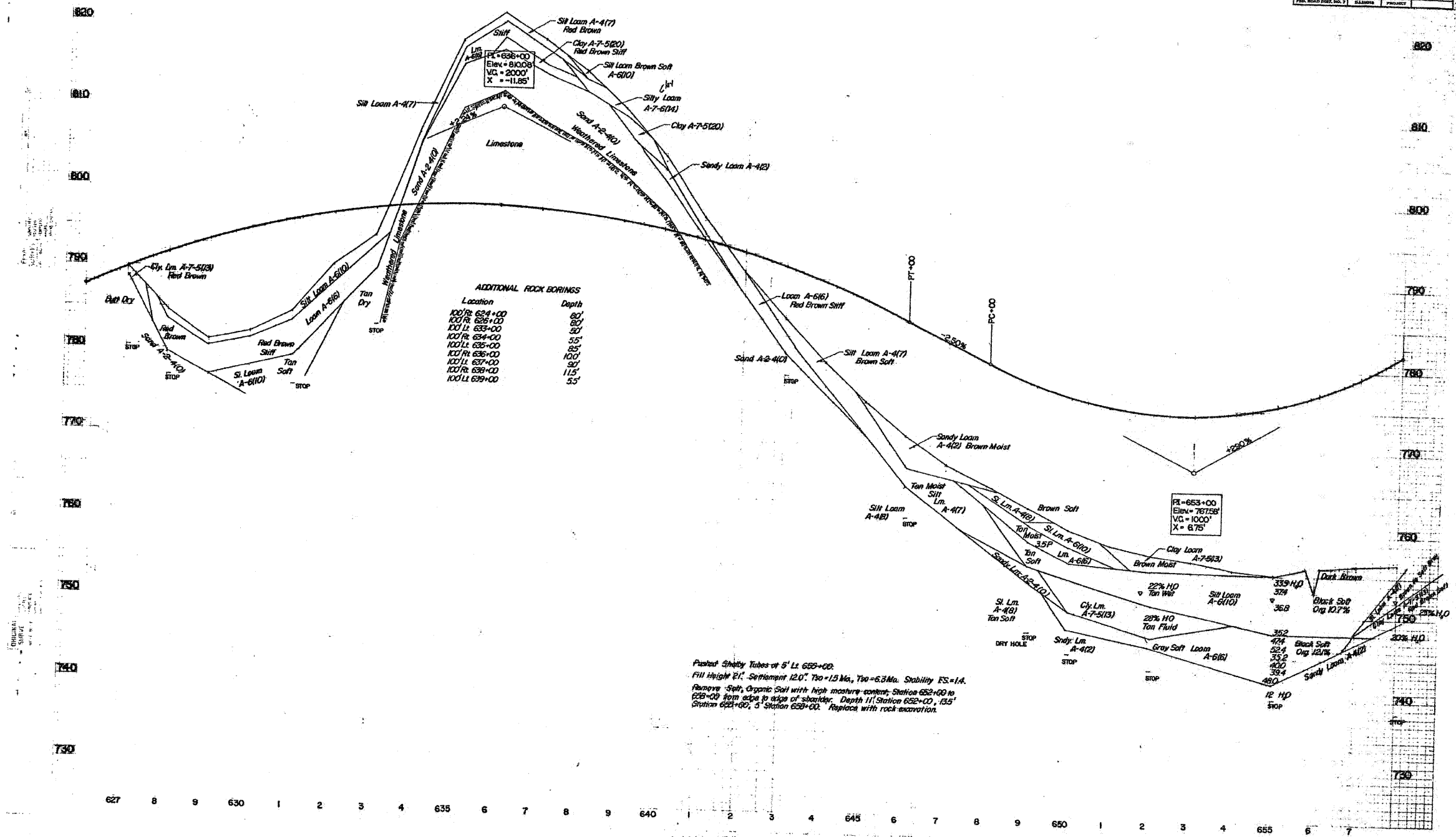
SOIL PROFILES

SCALE: NTS
DATE: 01-22-10

DRAWN BY RMH
CHECKED BY DM



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 401	177-3	STEPHENSON		
STA. 627+00		TO STA. 657+00		
FED. ROAD DIST. NO. 2		ILLINOIS FED. AID PROJECT		



NOTE:
 GEOTECHNICAL INVESTIGATION AND
 SOILS INFORMATION PER IDOT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 301 (US RTE. 20)
 FROM BOLTON ROAD TO WEST OF IL RTE. 26

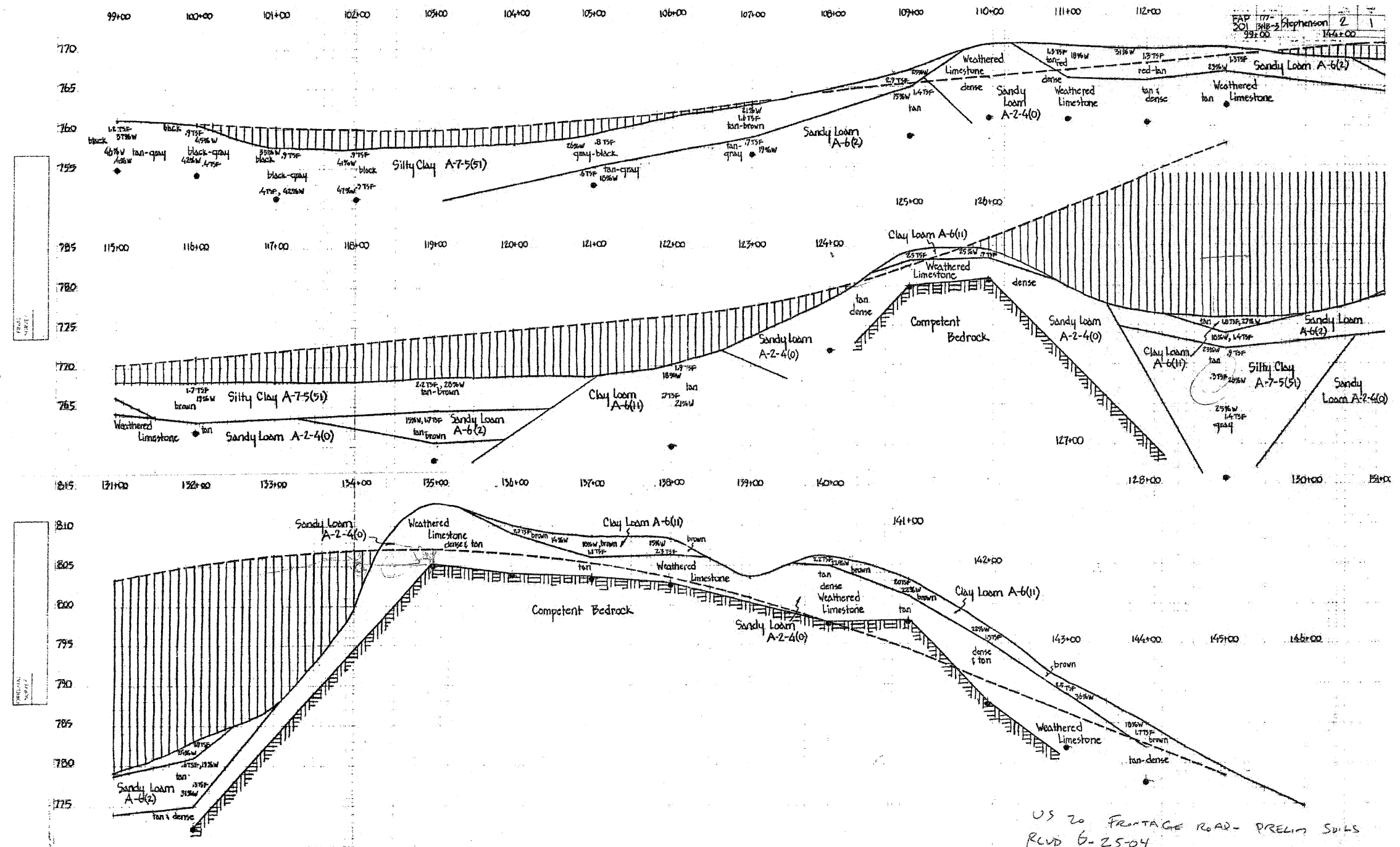
SOIL PROFILES

SCALE: NTS
 DATE: 01-22-10

DRAWN BY RMH
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	214
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
P-92-029-02				
CONTRACT #64799				



NOTE:
 GEOTECHNICAL INVESTIGATION AND
 SOILS INFORMATION PER IDOT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 301 (US RTE. 20)
 FROM BOLTON ROAD TO WEST OF IL RTE. 26

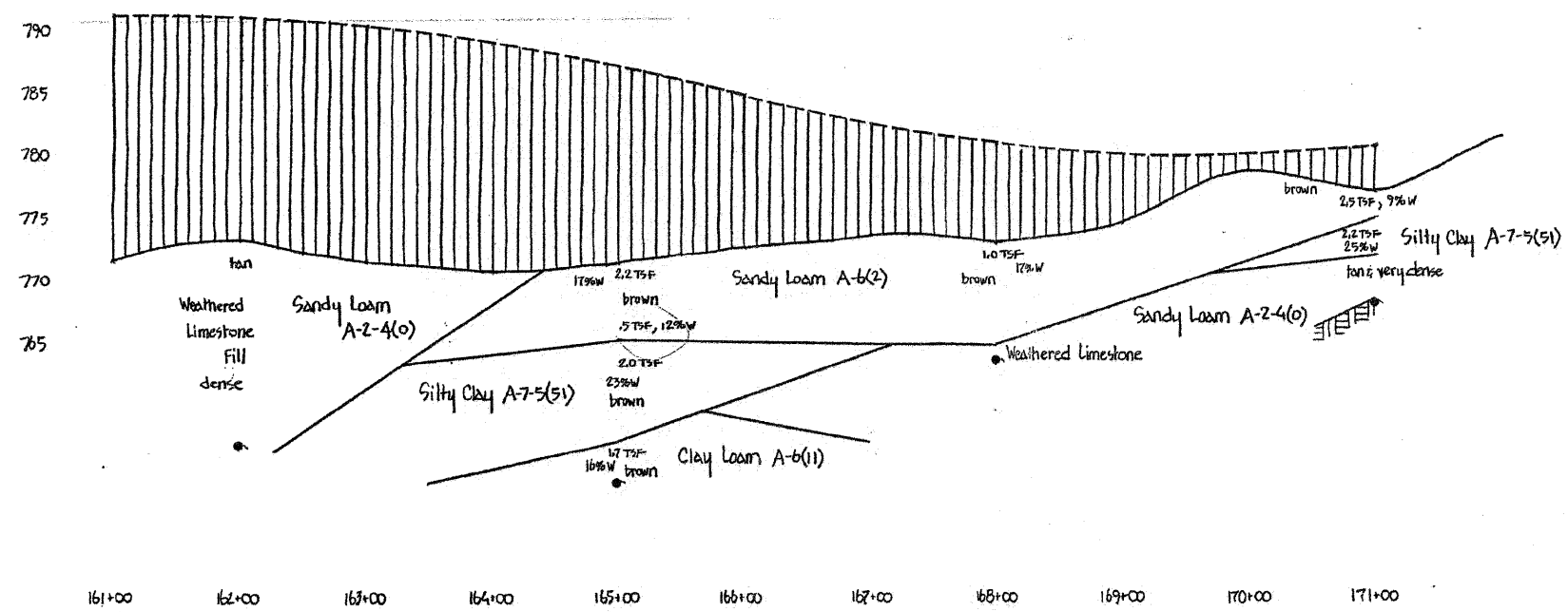
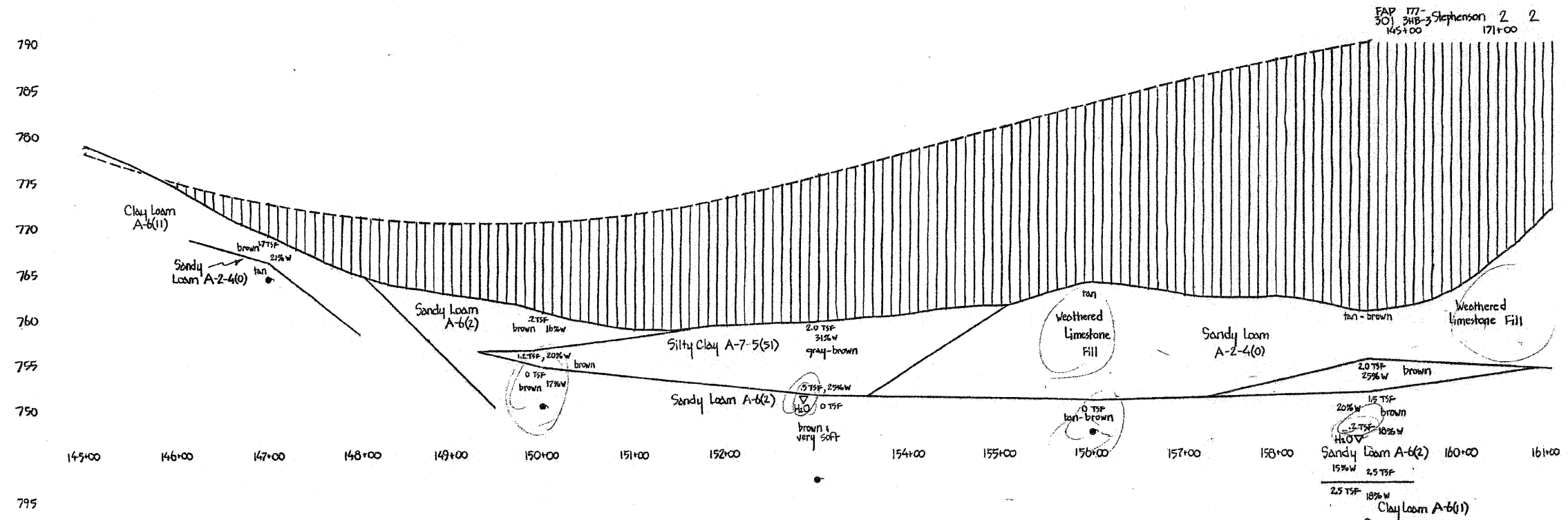
SOIL PROFILES

SCALE: NTS
 DATE: 01-22-10

DRAWN BY RMH
 CHECKED BY DM



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	215
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
P-92-029-02				
CONTRACT #64799				



US 20- Frontage RD PRELIM SOILS
REV'D 6-25-04

p 2 of 2

NOTE:
GEOTECHNICAL INVESTIGATION AND
SOILS INFORMATION PER IDOT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.P. ROUTE 301 (US RTE. 20)
FROM BOLTON ROAD TO WEST OF IL RTE. 26

SOIL PROFILES

SCALE: NTS
DATE: 01-22-10

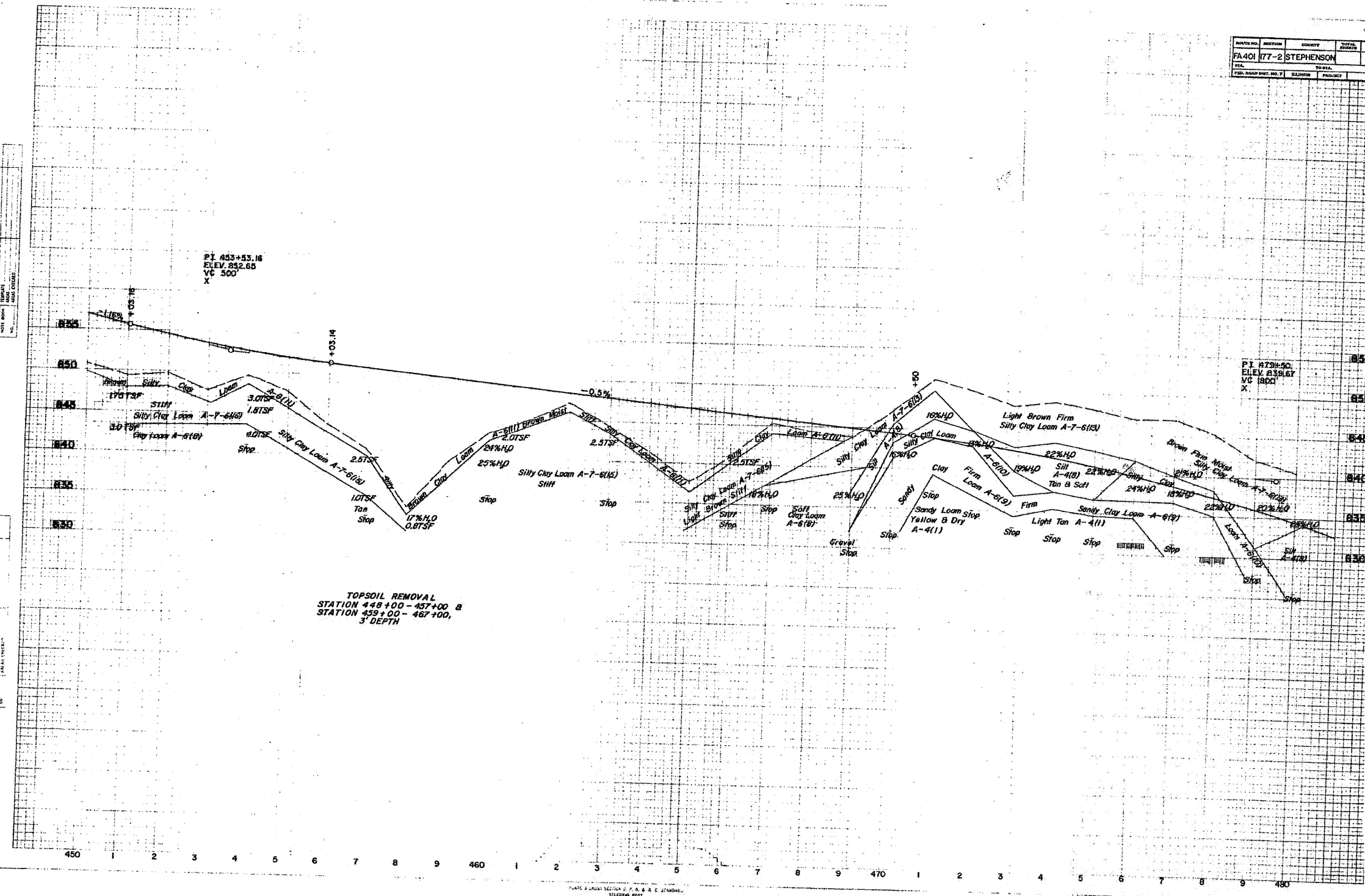
DRAWN BY RMH
CHECKED BY DM



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS
FA401	177-2	STEPHENSON	
FED. ROAD DIST. NO. 7			
PROJECT			

FINAL SURVEY
 DATE: 10/1/10
 BY: [Signature]
 CHECKED BY: [Signature]
 TITLE: [Title]

ORIGINAL SURVEY
 DATE: 10/1/10
 BY: [Signature]
 CHECKED BY: [Signature]
 TITLE: [Title]



TOPSOIL REMOVAL
 STATION 449+00 - 457+00 &
 STATION 459+00 - 467+00,
 3' DEPTH

NOTE:
 GEOTECHNICAL INVESTIGATION AND
 SOILS INFORMATION PER IDOT

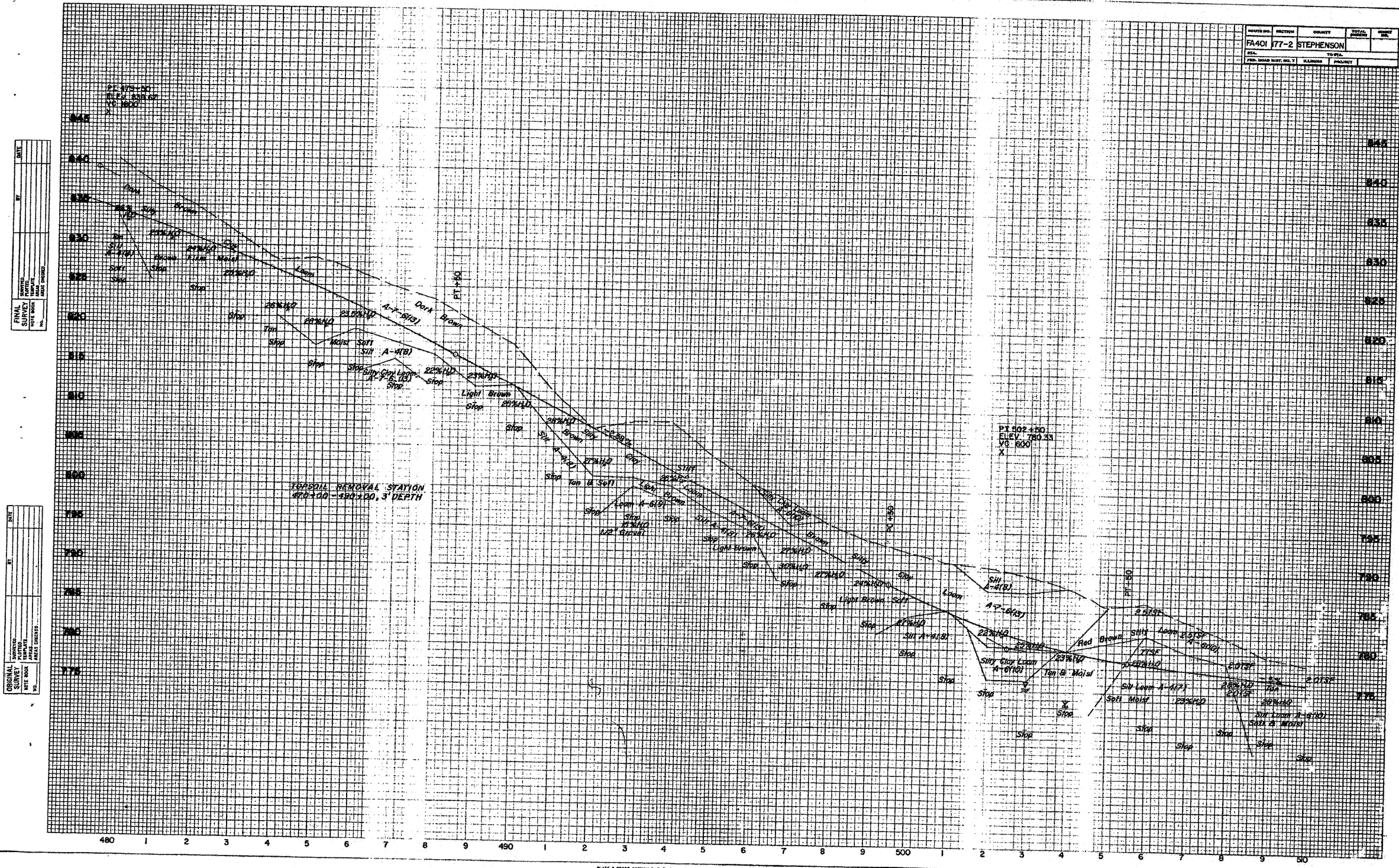
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 301 (US RTE. 20)
 FROM BOLTON ROAD TO WEST OF IL RTE. 26

SOIL PROFILES

SCALE: NTS
 DATE: 01-22-10
 DRAWN BY: RMH
 CHECKED BY: DM





DATE	BY	REVISION

DATE	BY	REVISION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA401	177-2	STEPHENSON		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

PLATE 3 CROSS SECTION A, F. A. & R. E. STANDARD TELETYPE POST

NOTE:
GEOTECHNICAL INVESTIGATION AND
SOILS INFORMATION PER IDOT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.P. ROUTE 301 (US RTE. 20)
FROM BOLTON ROAD TO WEST OF IL RTE. 26

SOIL PROFILES

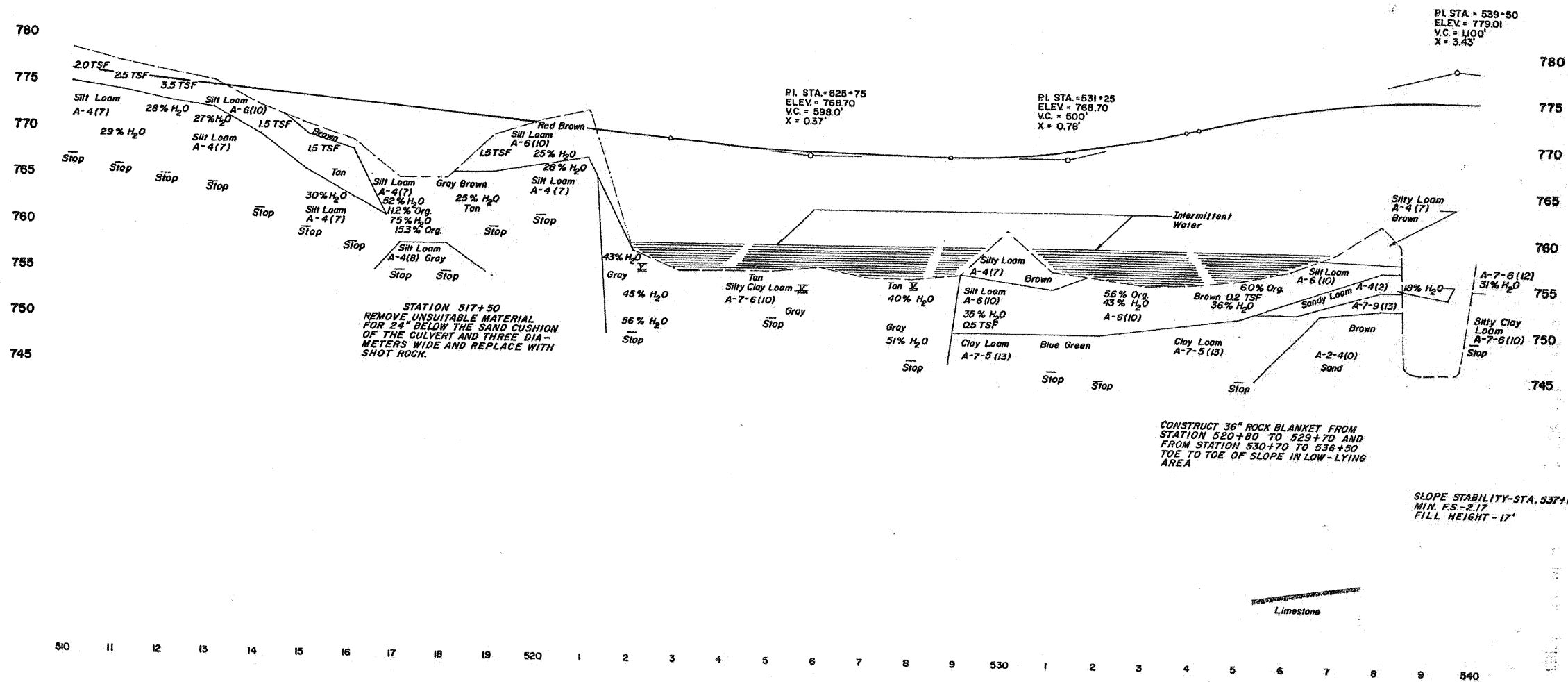
SCALE: NTS
DATE: 01-22-10

DRAWN BY RMH
CHECKED BY DM



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	218
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
P-92-029-02		CONTRACT #64799		

PROJECT NO.	DISTRICT	COUNTY	TOTAL SHEETS	SHEET NO.
FA 40177-2	STEPHENSON			
STA.	TO STA.		PROJECT	
510	540			
FED. ROAD DIST. NO.	DISTRICT	COUNTY	TOTAL SHEETS	SHEET NO.



STATION 517+50
REMOVE UNSUITABLE MATERIAL FOR 2' BELOW THE SAND CUSHION OF THE CULVERT AND THREE DIAMETERS WIDE AND REPLACE WITH SHOT ROCK.

CONSTRUCT 36" ROCK BLANKET FROM STATION 520+80 TO 529+70 AND FROM STATION 530+70 TO 536+50 TOE TO TOE OF SLOPE IN LOW-LYING AREA

SLOPE STABILITY-STA. 537+15
MIN. F.S.-2.17
FILL HEIGHT - 17'

NOTE:
GEOTECHNICAL INVESTIGATION AND SOILS INFORMATION PER IDOT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.P. ROUTE 301 (US RTE. 20)
FROM BOLTON ROAD TO WEST OF IL RTE. 26

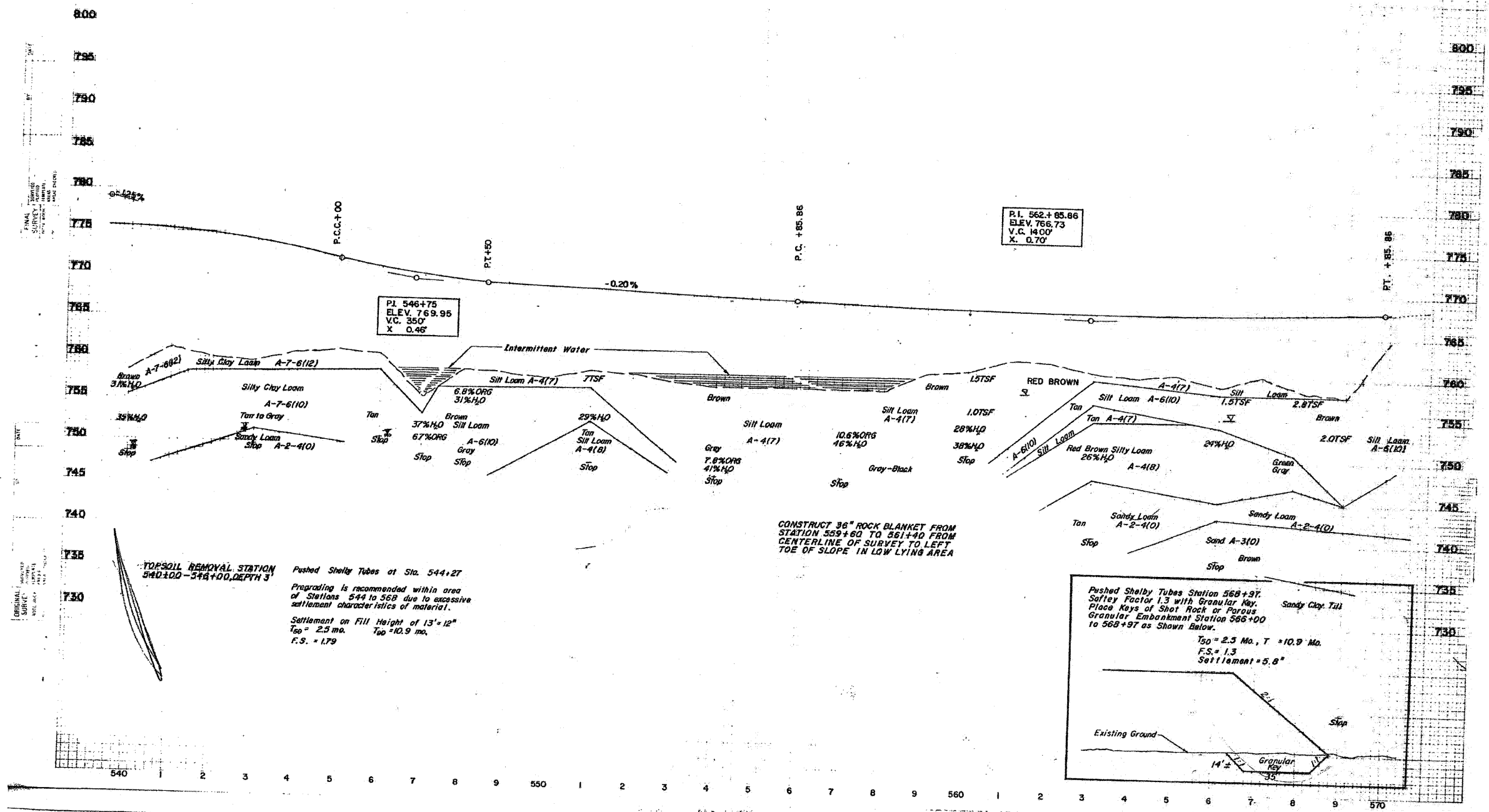
SOIL PROFILES

SCALE: NTS
DATE: 01-22-10

DRAWN BY RMH
CHECKED BY DM



PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 401	177-2	STEPHENSON		
STA.	540+00	DATE	570+00	
DESIGNER		DATE		



NOTE:
 GEOTECHNICAL INVESTIGATION AND
 SOILS INFORMATION PER IDOT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 301 (US RTE. 20)
 FROM BOLTON ROAD TO WEST OF IL RTE. 26

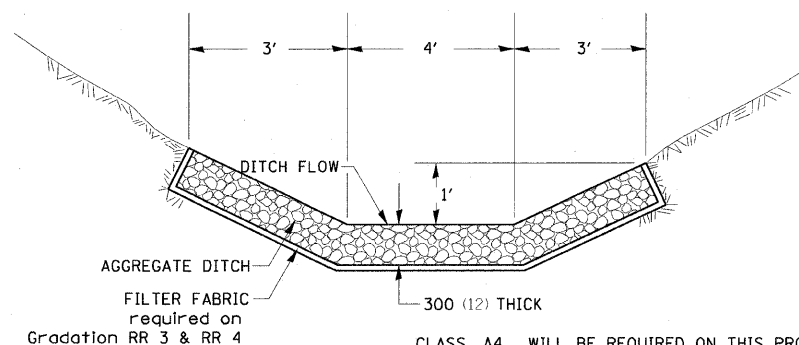
SOIL PROFILES

SCALE: NTS
 DATE: 01-22-10
 DRAWN BY: RMH
 CHECKED BY: DM



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	221
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
P-92-029-02				

AGGREGATE DITCH FOR FLEXIBLE DITCH LINING



CLASS A4 WILL BE REQUIRED ON THIS PROJECT AT THE LOCATION SHOWN ON THE PLANS.

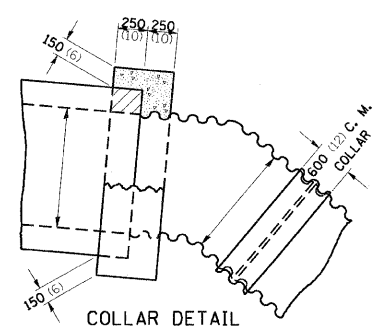
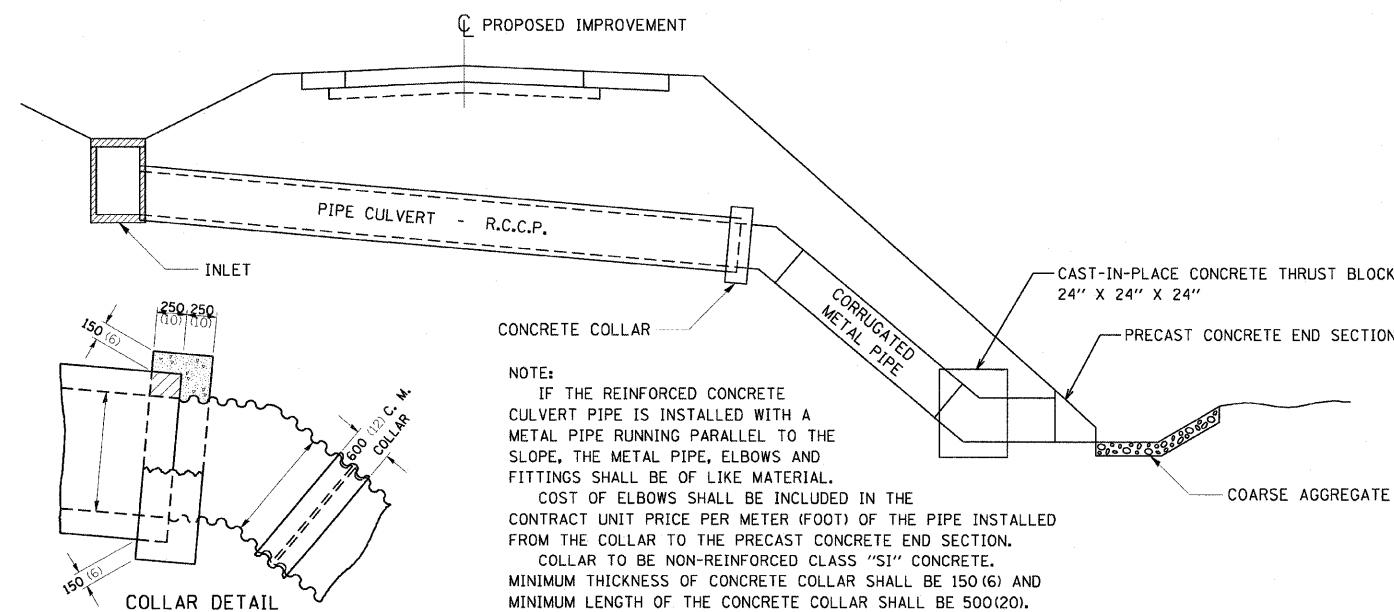
THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 283. AGGREGATE DITCH WILL BE MEASURED FOR PAYMENT IN PLACE AND THE AREA COMPUTED IN SQUARE METERS (SQUARE YARD) OF ACTUAL SURFACE AREA. AGGREGATE DITCH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR AGGREGATE DITCH.

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

AGGREGATE DITCH FOR FLEXIBLE DITCH LINING 21.4

REVISED 9-19-05

MEDIAN DRAIN WITH COLLAR AT SHOULDER



CORRUGATED METAL ELBOWS

SLOPE	ELBOW ANGLE
1 : 2	25°
1 : 3	20°

NOTE:
IF THE REINFORCED CONCRETE CULVERT PIPE IS INSTALLED WITH A METAL PIPE RUNNING PARALLEL TO THE SLOPE, THE METAL PIPE, ELBOWS AND FITTINGS SHALL BE OF LIKE MATERIAL. COST OF ELBOWS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER METER (FOOT) OF THE PIPE INSTALLED FROM THE COLLAR TO THE PRECAST CONCRETE END SECTION. COLLAR TO BE NON-REINFORCED CLASS "SI" CONCRETE. MINIMUM THICKNESS OF CONCRETE COLLAR SHALL BE 150(6) AND MINIMUM LENGTH OF THE CONCRETE COLLAR SHALL BE 500(20). ALL THE WORK AND COARSE AGGREGATE MATERIALS INVOLVED IN THE CONSTRUCTION OF THE CONCRETE COLLAR SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER METER (FOOT) OF PIPE CULVERTS.

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

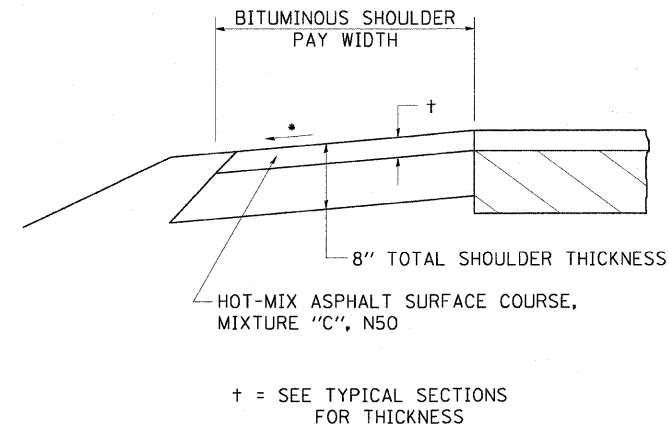
MEDIAN DRAIN WITH COLLAR AT SHOULDER 22.4

REVISED 5-4-94

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	222
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
P-92-029-02				

BITUMINOUS SHOULDER

GENERAL NOTES



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

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

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

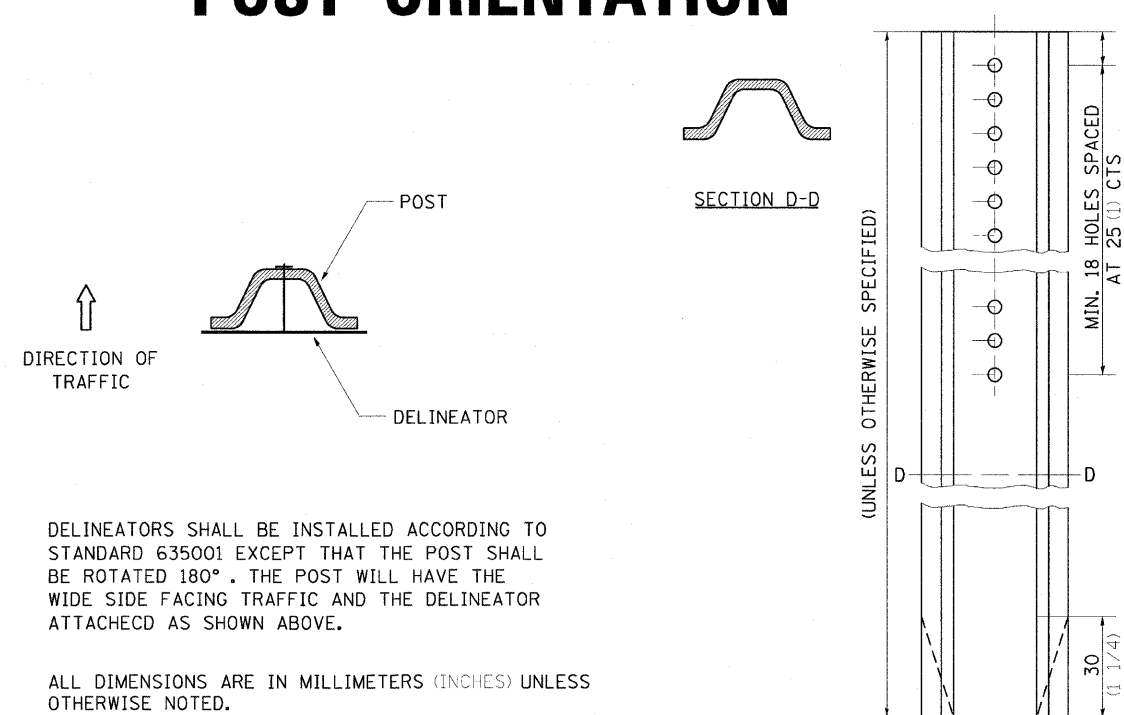
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

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

BITUMINOUS SHOULDER 23.4a

REVISED 5-30-03

DELINEATOR AND POST ORIENTATION



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

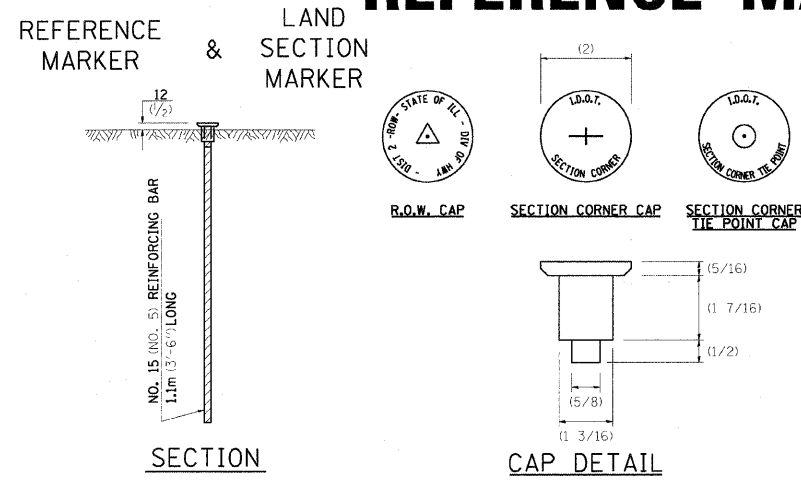
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

DELINEATOR AND POST ORIENTATION 37.4

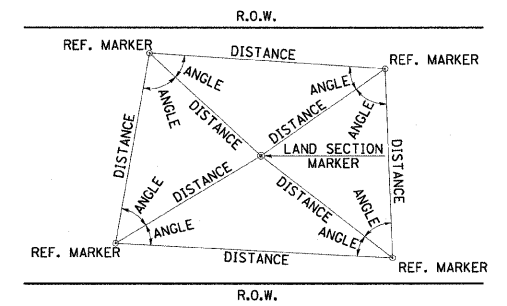
REVISED 1-31-00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	223
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
P-92-029-02				

LAND SECTION & REFERENCE MARKERS



METHOD OF REFERENCING MARKERS



METHOD OF REFERENCING POINTS

REFERENCE MARKERS SHALL BE USED TO TIE IN PERMANENT LAND SECTION AND 1/4 SECTION CORNERS. WHERE LAND SECTION MARKERS FALL IN THE SHOULDERS OR GRAVEL SURFACES, THE TOP OF THE BAR SHALL BE KEPT 75 (3) BELOW THE SURFACE. LAND SECTION MARKERS LOCATED IN TRAFFIC LANES SHALL NOT BE REPLACED.

METAL CAPS SHALL BE PLACED ON TOP OF THE REINFORCEMENT BAR. THERE ARE 3 TYPES OF CAPS, ONE FOR THE RIGHT-OF-WAY CORNERS, ONE FOR THE SECTION CORNERS AND ONE FOR THE SECTION CORNER TIE POINTS. THE CAPS WILL BE SUPPLIED BY IDOT, CALL CHIP CORDELL (815) 284-5370 A MINIMUM OF ONE WEEK BEFORE THE CAPS ARE NEEDED

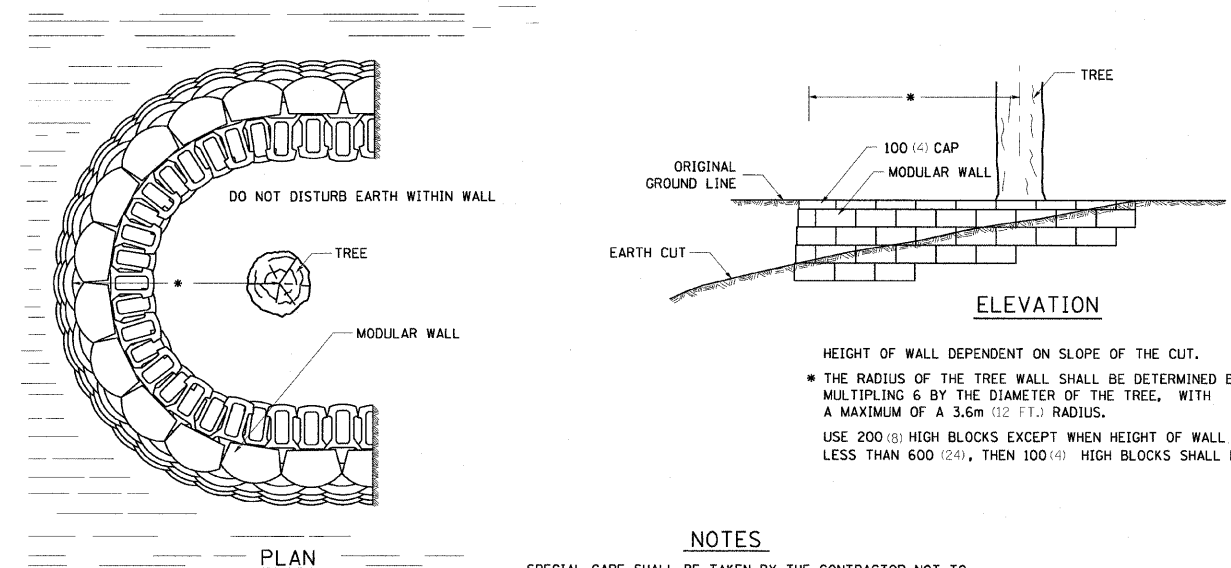
- USE INSTRUMENT TIES TO NEARBY LAND-MARKS (STEEPLES, TOWERS, SILOS, ETC...)
- IN CULTIVATED FIELDS, SET 600 (2') OR MORE BELOW GROUND SURFACE.
- IN FENCE LINE OR PROTECTED AREA SET TOP AT GROUND LEVEL.

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

LAND SECTION & REFERENCE MARKERS 63.4

REVISED 4-22-05

TREE WALL



NOTES

SPECIAL CARE SHALL BE TAKEN BY THE CONTRACTOR NOT TO DISTURB THE EARTH OR THE ROOTS WITHIN THE PROPOSED TREE WALL.

THESE TREE WALLS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE METER (SQ. FT.) FOR "SEGMENTAL CONCRETE BLOCK WALL" INCLUDED IN THIS SHALL BE THE FACE OF THE WALL THAT ARE BURIED.

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

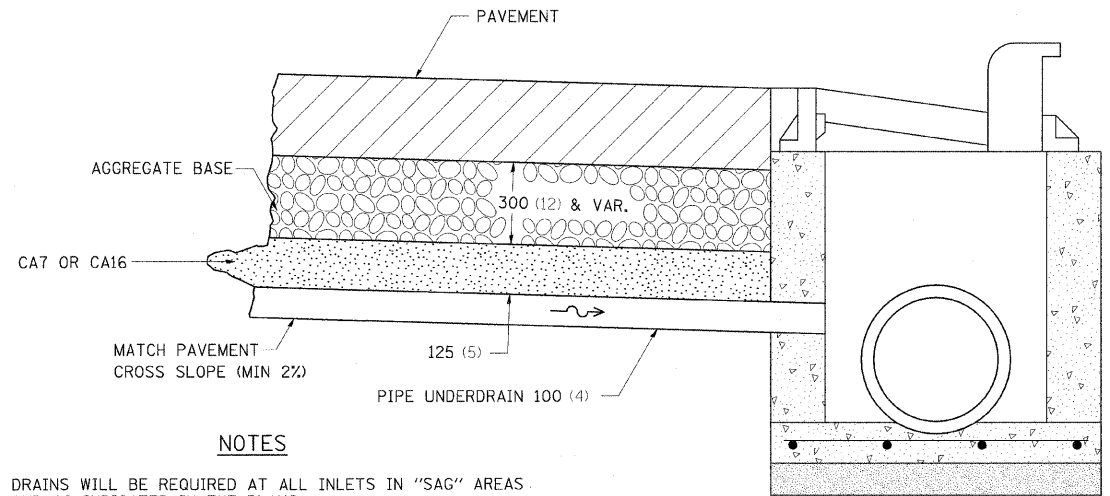
- HEIGHT OF WALL DEPENDENT ON SLOPE OF THE CUT.
- * THE RADIUS OF THE TREE WALL SHALL BE DETERMINED BY MULTIPLYING 6 BY THE DIAMETER OF THE TREE, WITH A MAXIMUM OF A 3.6m (12 FT.) RADIUS.
- USE 200 (8) HIGH BLOCKS EXCEPT WHEN HEIGHT OF WALL IS LESS THAN 600 (24), THEN 100 (4) HIGH BLOCKS SHALL BE USED.

TREE WALL 70.4a

REVISED 5-4-94

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	224
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
P-92-029-02				

DRAIN FOR AGGREGATE BASES IN URBAN AREAS



NOTES

DRAINS WILL BE REQUIRED AT ALL INLETS IN "SAG" AREAS AND AS INDICATED IN THE PLANS.

THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER METER (FOOT) FOR PIPE UNDERDRAINS OF THE DIAMETER SPECIFIED WHICH PRICE SHALL INCLUDE THE CA7 OR CA16 AND THE CONNECTION TO THE INLET.

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

DRAIN FOR AGGREGATE BASES IN URBAN AREAS 88.4

REVISED 4-7-99

TREE REPLACEMENT SCHEDULE

CODE NUMBER	SCIENTIFIC NAME	COMMON NAME	SIZE	UNIT	QUANTITY
A2006514	QUERCUS BICOLOR	SWAMP WHITE OAK	1-3/4 INCH CALIPER, BALLED & BURLAPPED	EACH	20
A2006714	QUERCUS MACROCARPA	BUR OAK	1-3/4 INCH CALIPER, BALLED & BURLAPPED	EACH	29
A2C022G3	CARYA ILLINOINENSIS		CONTAINER GROWN, 3-GALLON	EACH	29
A2C040G3	PLATANUS OCCIDENTALIS	SYCAMORE	CONTAINER GROWN, 3-GALLON	EACH	29
A2C050G3	QUERCUS ELLIPSOIDALIS	HILL'S OAK	CONTAINER GROWN, 3-GALLON	EACH	29
A2C052G3	QUERCUS PALISTRIS	PIN OAK	CONTAINER GROWN, 3-GALLON	EACH	29

NOTES

1. LAYOUT OF TREES SHALL BE PERFORMED BY THE DISTRICT LANDSCAPE ARCHITECT.

2. MULCH SHALL BE HARDWOOD WOOD CHIPS, FIVE FOOT WIDTH, FOUR INCHES THICK WITH WEED BARRIER FABRIC.

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

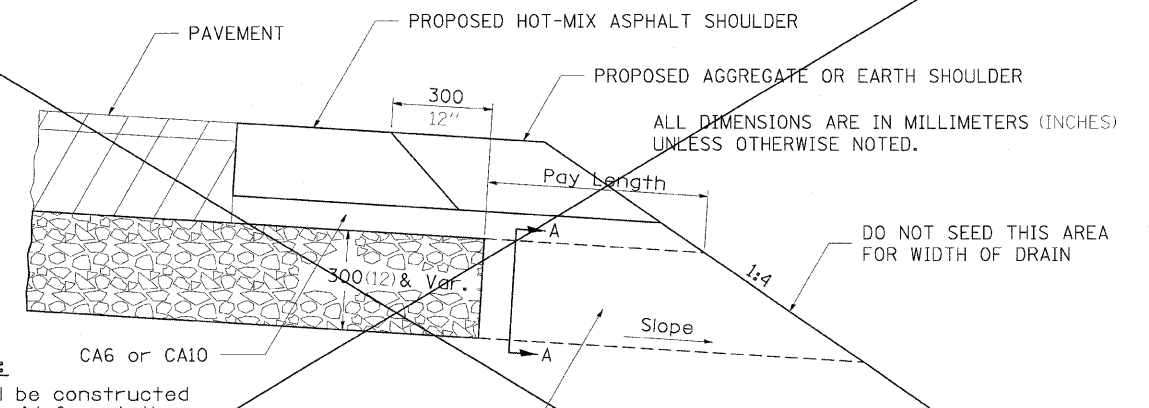
TREE REPLACEMENT SCHEDULE 90.4

REVISED 8-10-05

PLOT DATE = 1/25/2010
 FILE NAME = #FILEL#
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CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	225
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
P-92-029-02				

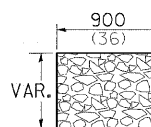
DRAIN FOR AGGREGATE BASE COURSE



NOTES:

The rock outlets shall be constructed using CA7 and will be paid for at the contract unit price per m² (SQ. YD.) for DRAIN FOR AGGREGATE BASE COURSE. The thickness shall be the same as the adjacent sub-base material as noted on the plans and shall include the cost of the filter fabric. The Rock outlets will be measured in m² (SQ. YD.), the width being 900 (36) by the length shown above. The cost of the CA6 or CA10 under the shoulder shall be included in the contract unit price per m² (SQ. YD.) for SUB-BASE GRANULAR MATERIAL, TYPE A of the thickness specified. The filter fabric to be used shall conform to the filter fabric used for Riprap.

ROCK OUTLET AT ALL LOW POINTS TO BE 900 (36) WIDE AND EXTEND TO FORESLOPE



SECTION A-A

NOTE: Slope same as shoulder with 2% min.

X0325519

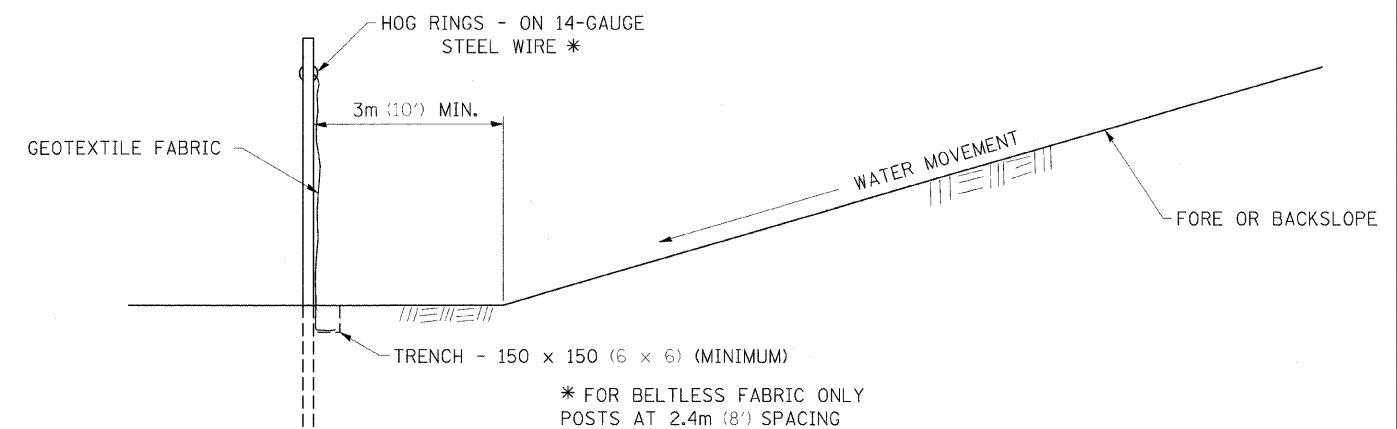
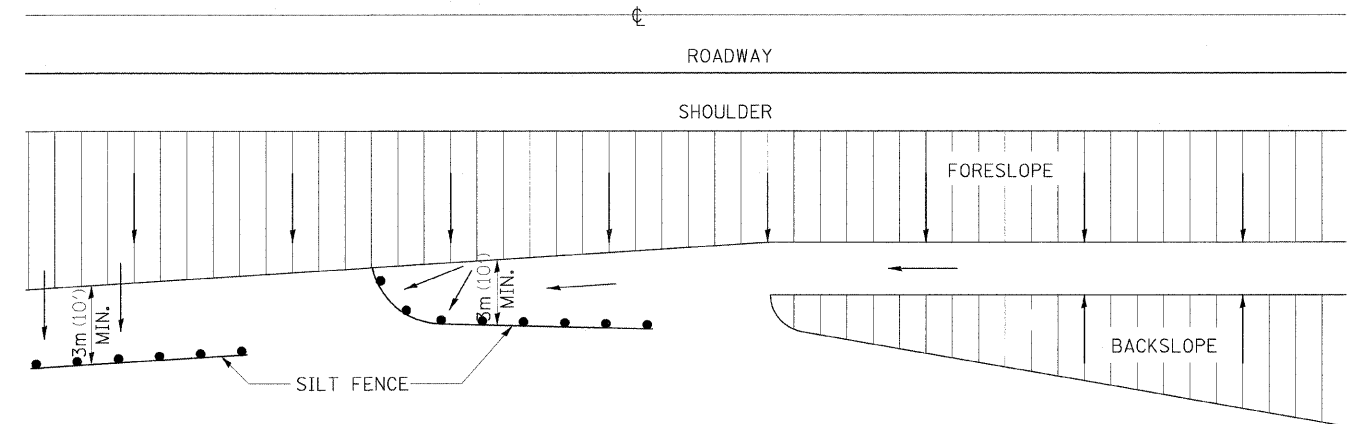
DRAIN FOR AGGREGATE BASE COURSE

96.4

REVISED 10-10-06

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	226
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
P-92-029-02				

EROSION CONTROL DETAILS FOR SILT FENCE



DETAILS OF SILT FENCE

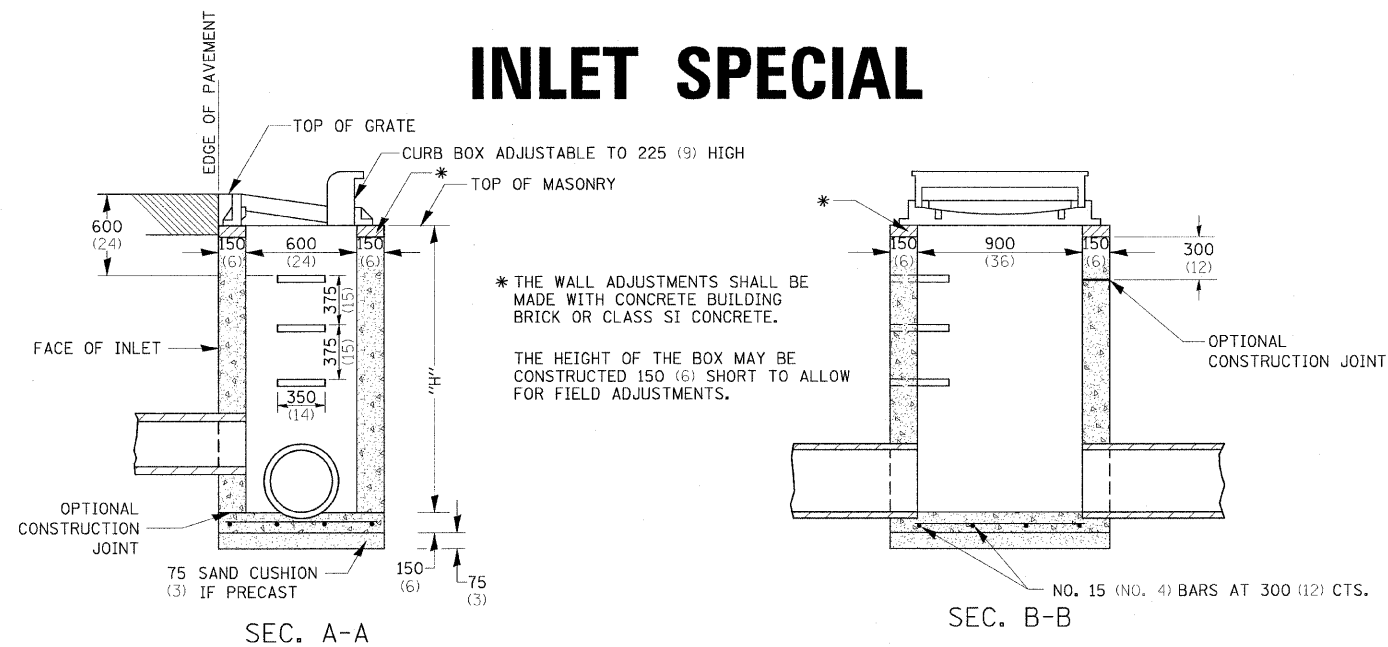
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

EROSION CONTROL DETAILS FOR SILT FENCE

29.2

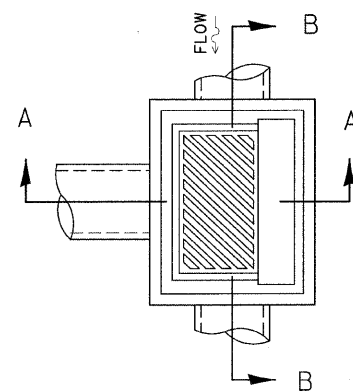
REVISED 10-22-01

INLET SPECIAL



SEC. A-A

SEC. B-B



NOTES

SEE STANDARD 602701 FOR DETAILS OF STEPS.

EXCEPT AS NOTED HEREON INLET SPECIAL SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.

THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTED SECTIONS.

ALL VOIDS AROUND PIPE ENTRANCE, BOTH INSIDE AND OUTSIDE, SHALL BE SEALED WITH MORTAR.

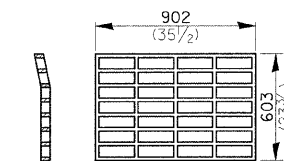
WEIGHT OF CAST IRON FRAME & GRATE = 240 kg (530 lbs.) ± . STEPS SHALL BE OMITTED WHEN DEPTH OF "H" IS LESS THAN 1.5 m (5 ft) .

DETAIL OF FRAME & GRATE

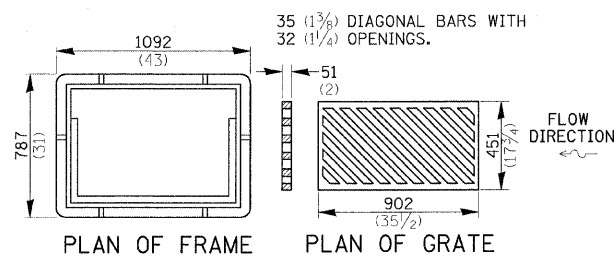
NOTES

CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED THROUGHOUT. PRECAST CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 504.01 THRU 504.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT CONCRETE STRENGTH SHALL BE 27.5 MPa (4,000 psi) AFTER 28 DAYS.

THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL SHALL INCLUDE THE COST OF CONSTRUCTING THE INLET BOX, FURNISHING AND INSTALLING THE FRAME AND GRATE, THE CAST IRON STEPS (IF USED), THE PRECAST FLOOR SLABS, SAND CUSHION (WHEN USED) AND REINFORCEMENT BARS.

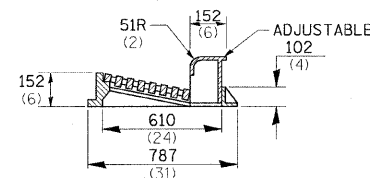


PLAN OF GRATE *

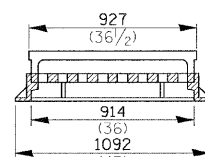


PLAN OF FRAME

PLAN OF GRATE



SECTION A-A



SECTION B-B

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

INLET SPECIAL 10.2

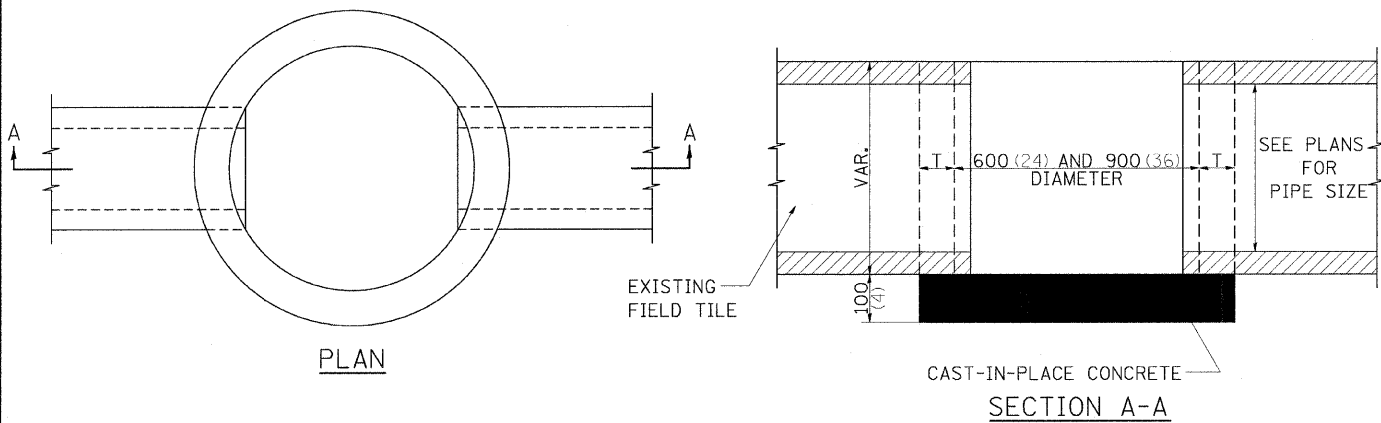
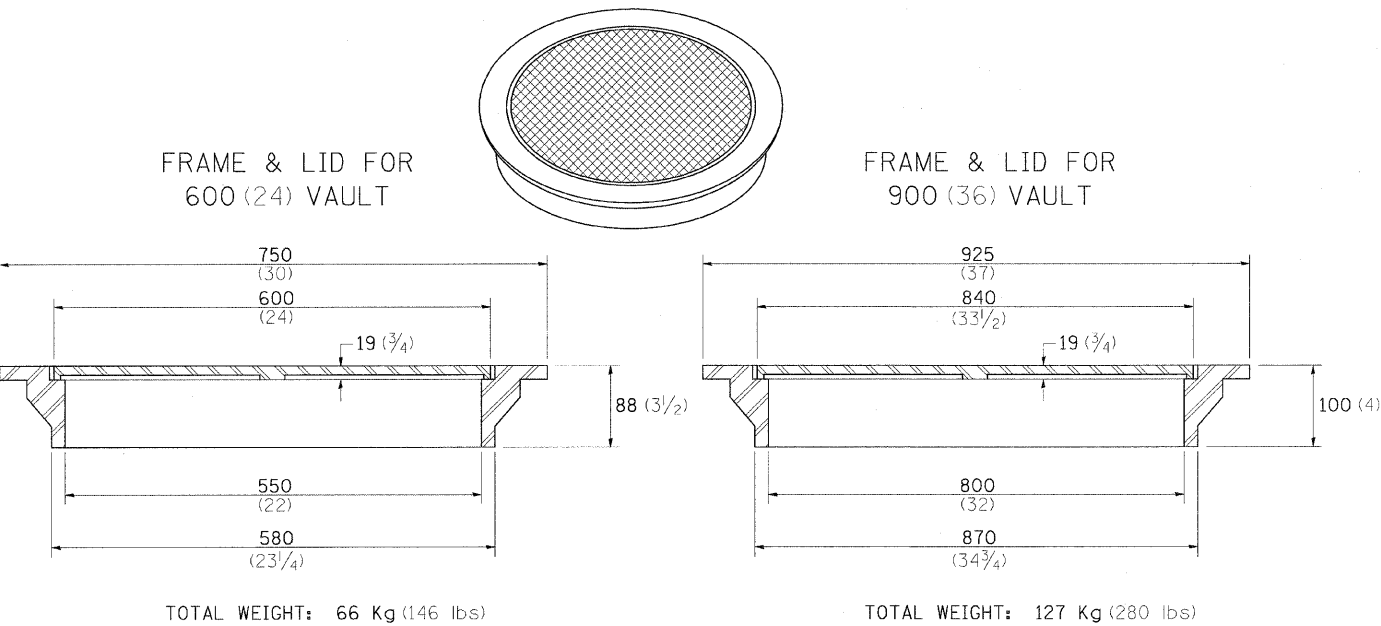
REVISED 11-10-94

PLOT DATE = 1/25/2010
FILE NAME = 09FILEL
PLOT SCALE = 0SCALE
REFERENCE = 0REFS

FIELD TILE JUNCTION VAULTS 600 (24) AND 900 (36) DIA.

CONTRACT NO.

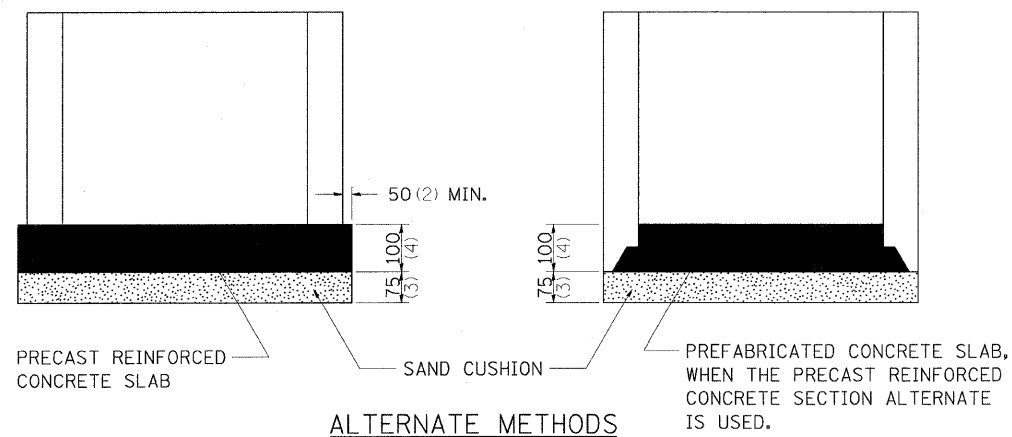
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	227
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
P-92-029-02				



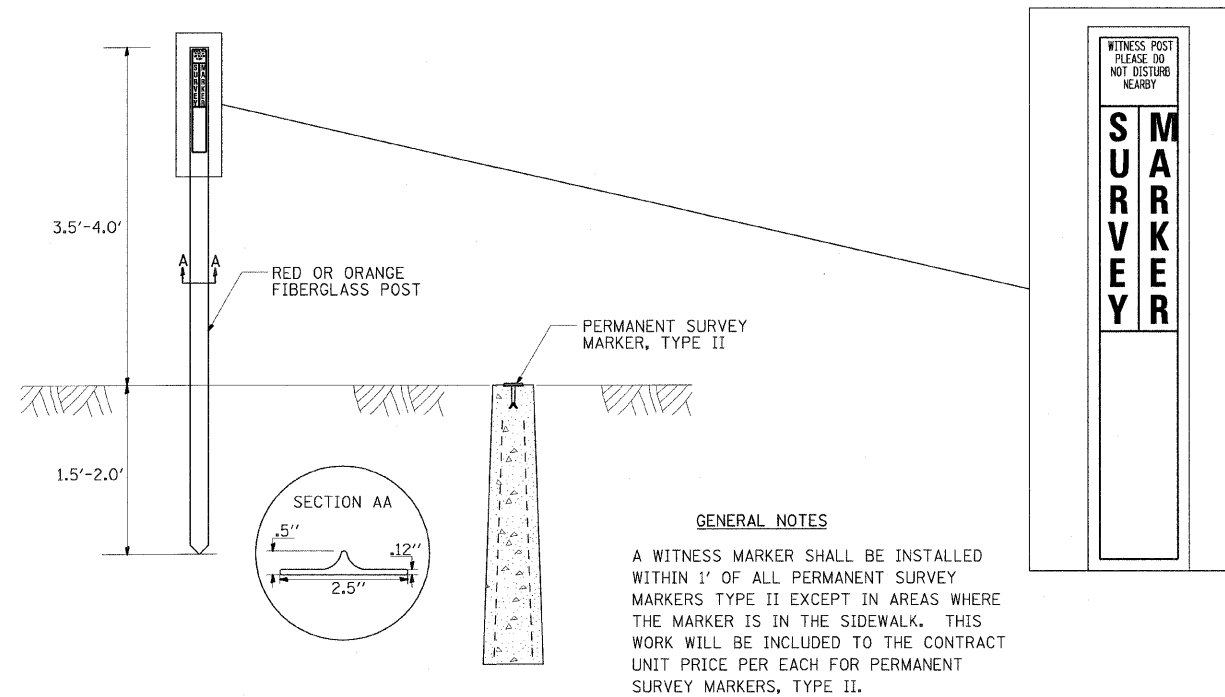
ALTERNATE MATERIALS FOR WALLS		T
BRICK MASONRY		200 (8)
CAST-IN-PLACE CONCRETE		150 (6)
CONCRETE MASONRY UNIT		125 (5)
PRECAST REINFORCED CONCRETE SECTION		75 (3)

NOTE: THE FRAME AND LID IS REQUIRED ON ALL JUNCTION VAULTS.

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

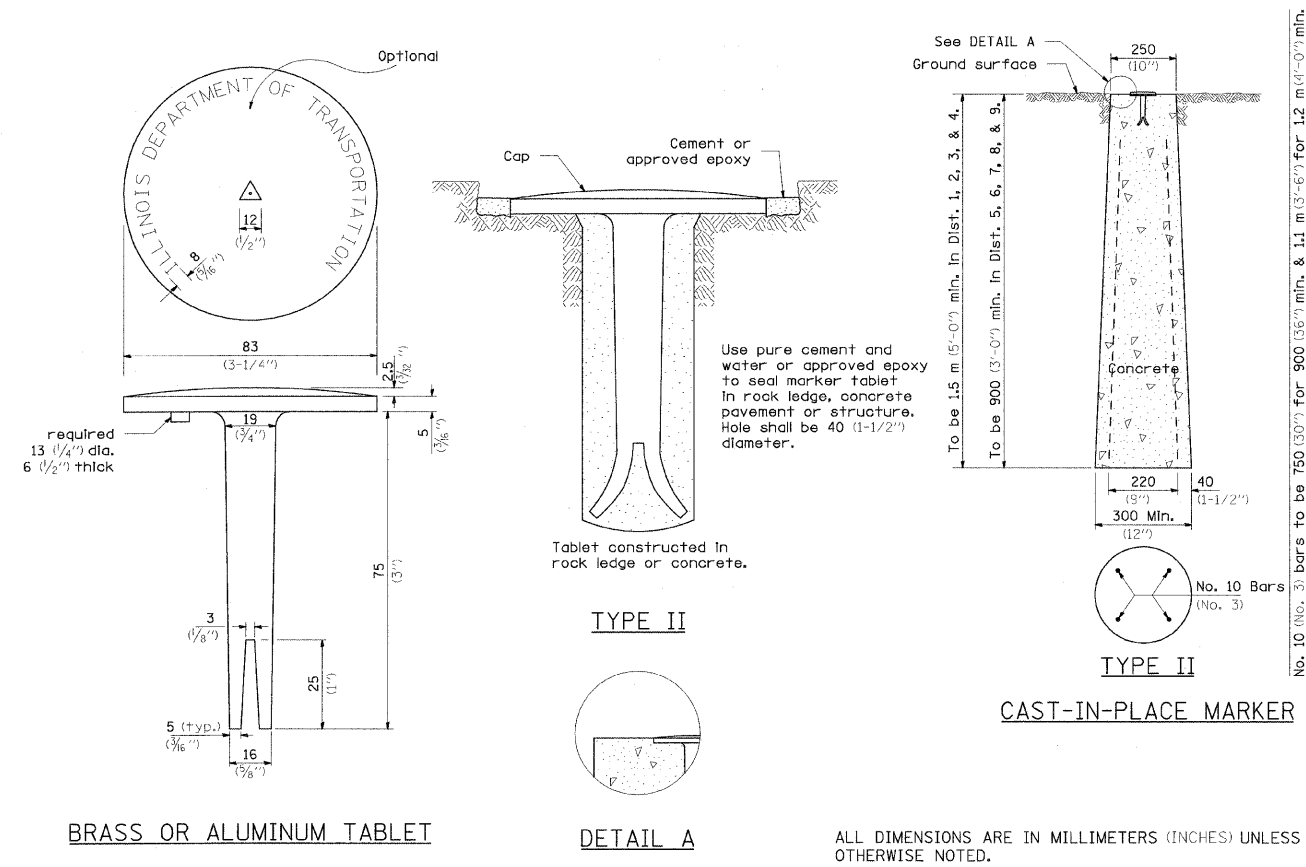


WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



GENERAL NOTES
A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.

PERMANENT SURVEY MARKERS, TYPE II



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

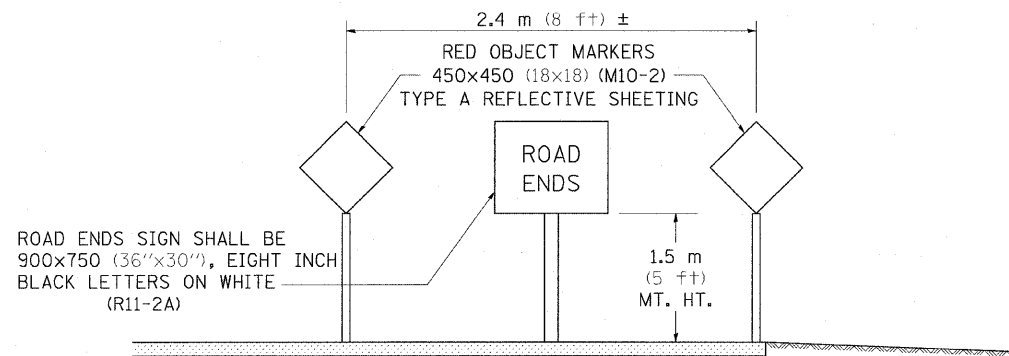
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PLOT SCALE = #SCALE#
REFERENCE = #REF#

TERMINATION OF DEAD END ROADS

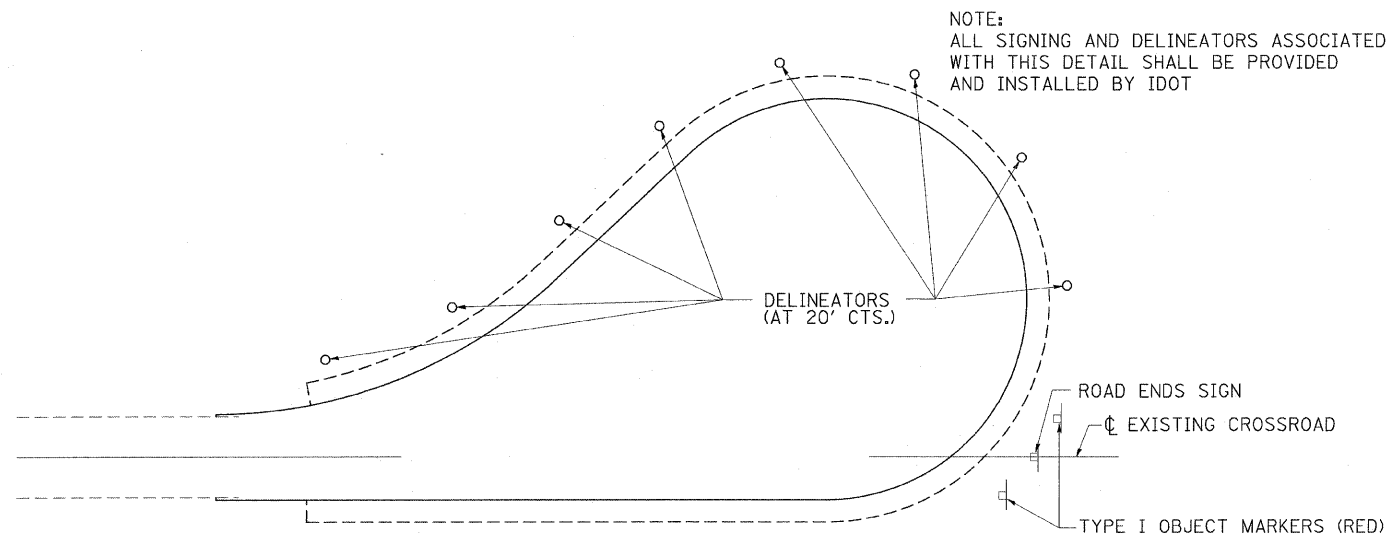
NOTES: A "NO OUTLET" (36"x36" YELLOW) SIGN SHALL BE ERECTED SLIGHTLY BEYOND THE LAST ROAD INTERSECTING THE ROAD WITH NO OUTLET. IF THIS INTERSECTION IS MORE THAN 457 m (1500 FT) FROM TERMINATION POINT, OR IF SIGHT DISTANCE TO THE CLOSURE IS LESS THAN 152 m (500 FT), A ROAD ENDS 152m (500 FT.) (WB-I6) SIGN SHALL BE ERECTED 152m (500 FT.) IN ADVANCE OF THE TERMINATION OF THE ROAD. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "TERMINATION OF DEAD END ROADS" WHICH PRICE SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO INSTALL THE SIGNS AND DELINEATORS.

USE 100x150 (4x6) WOOD POSTS INSTALLED IN ACCORDANCE WITH ARTICLE 730.0 OF STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS. USE APPLICABLE PARTS OF STANDARD 720001 FOR SIGN MOUNTING.

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



TERMINATION SIGNING

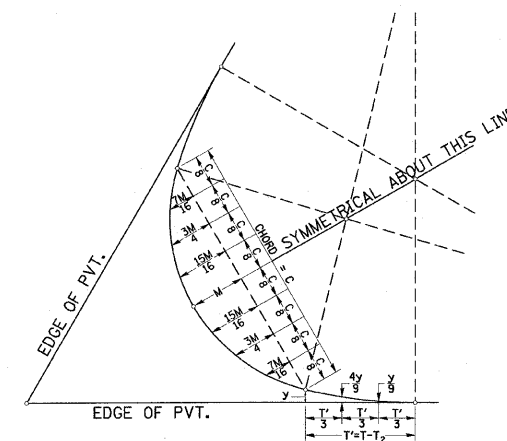


TRAFFIC CONTROL
TYPICAL CUL-DE-SAC

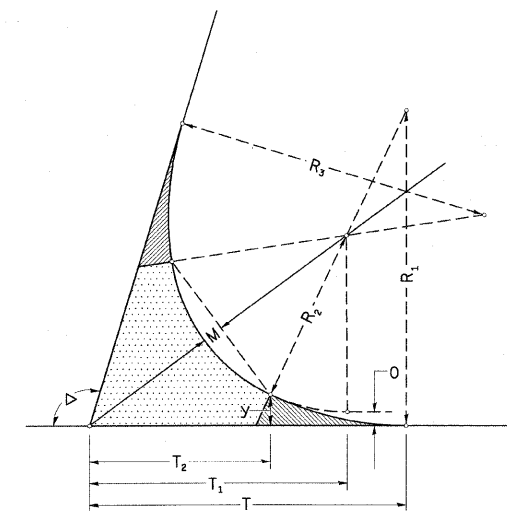
NOTE:
ALL SIGNING AND DELINEATORS ASSOCIATED WITH THIS DETAIL SHALL BE PROVIDED AND INSTALLED BY IDOT

THREE CENTER CURVE DATA

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	228
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
P-92-029-02				



FIELD LAYOUT METHOD



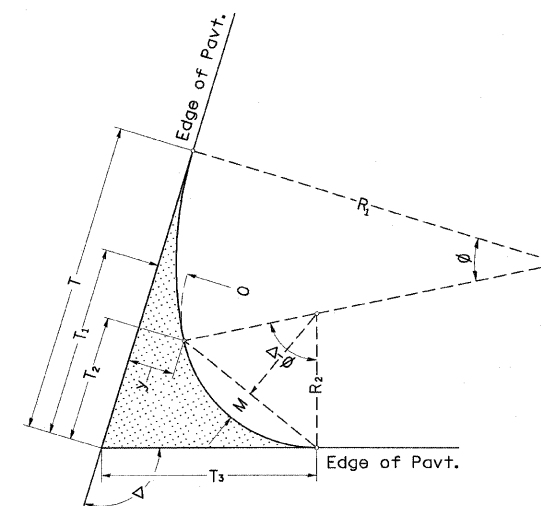
FOR SYMMETRICAL CURVES

SYMMETRICAL CURVES

CURVE #									
R ₁									
R ₂									
R ₃									
O									
Δ									
T									
T ₁									
T ₂									
T'									
y									
4y/9									
y/9									
M									
15M/16									
3M/4									
7M/16									
C									

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

TWO CENTER CURVE DATA

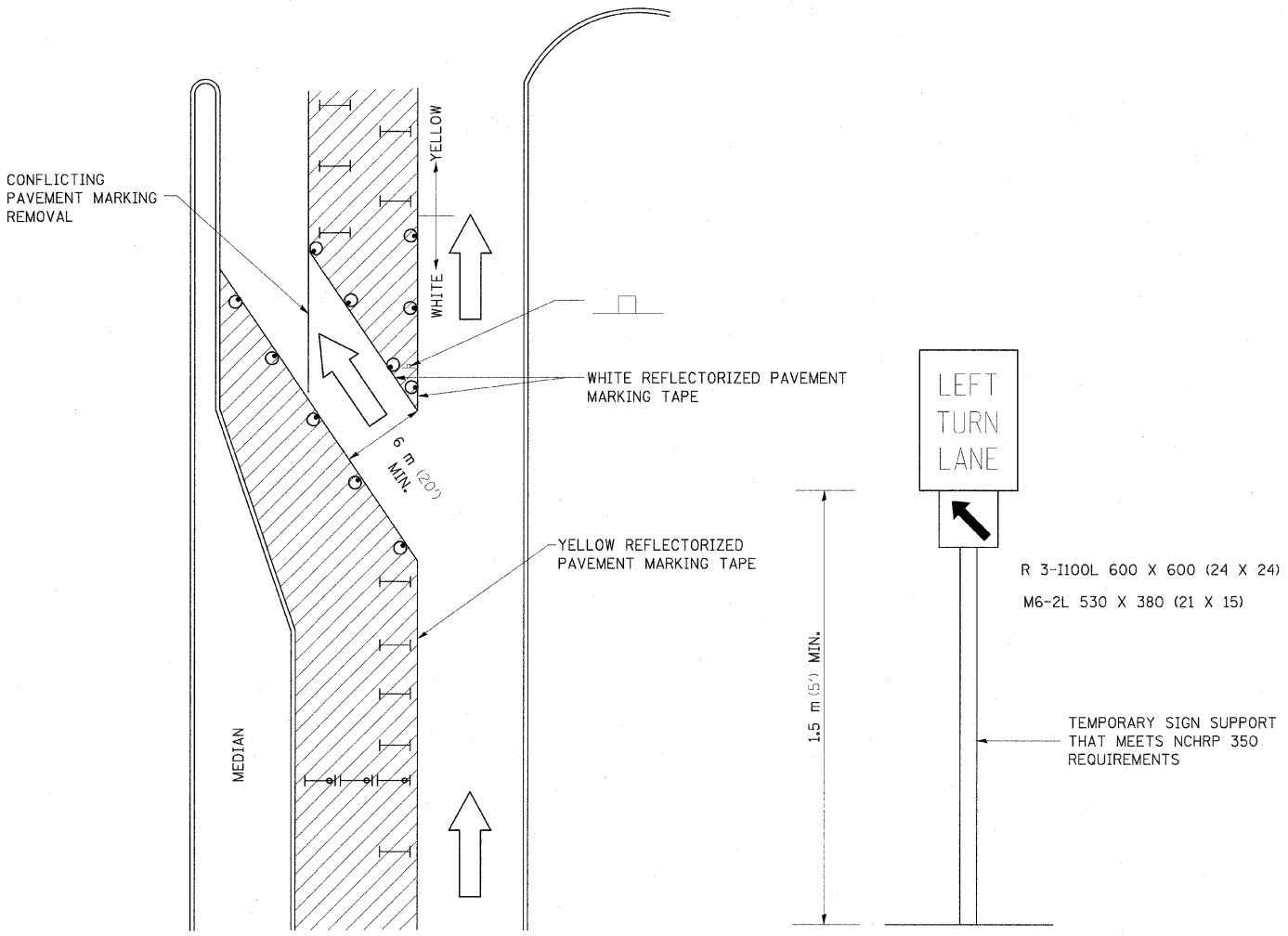


TWO CENTER CURVES

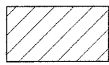
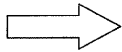




CURVE #	1	2							
R ₁	400.34	400							
R ₂	40	40							
O									
Δ	96.29	89.89							
T	135.83	118.66							
T ₁									
T ₂	36.07	31.35							
T ₃	56.84	48.43							
y	13.42	9.40							
4y/9	5.96	4.18							
y/9	1.49	1.04							
M	7.41	8.79							
15M/16	6.95	8.24							
3M/4	5.56	6.59							
7M/16	3.24	3.85							
C									

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	229
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
P-92-029-02				



LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE OR DRUM WITH FLASHING BURNING LIGHT
-  DRUM OR BARRICADE WITH STEADY BURN LIGHT
-  SIGN (SEE DETAIL)
-  TYPE I OR II CHECK BARRICADE WITH STEADY LIGHT BURN

GENERAL NOTES

CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 710 (28) IN HEIGHT.

STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS WILL BE MONODIRECTIONAL.

REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.

THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 600 x 600 (24 X 24) AND M6-2R 530 X 380 (21 X 15) SHALL BE USED.

THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

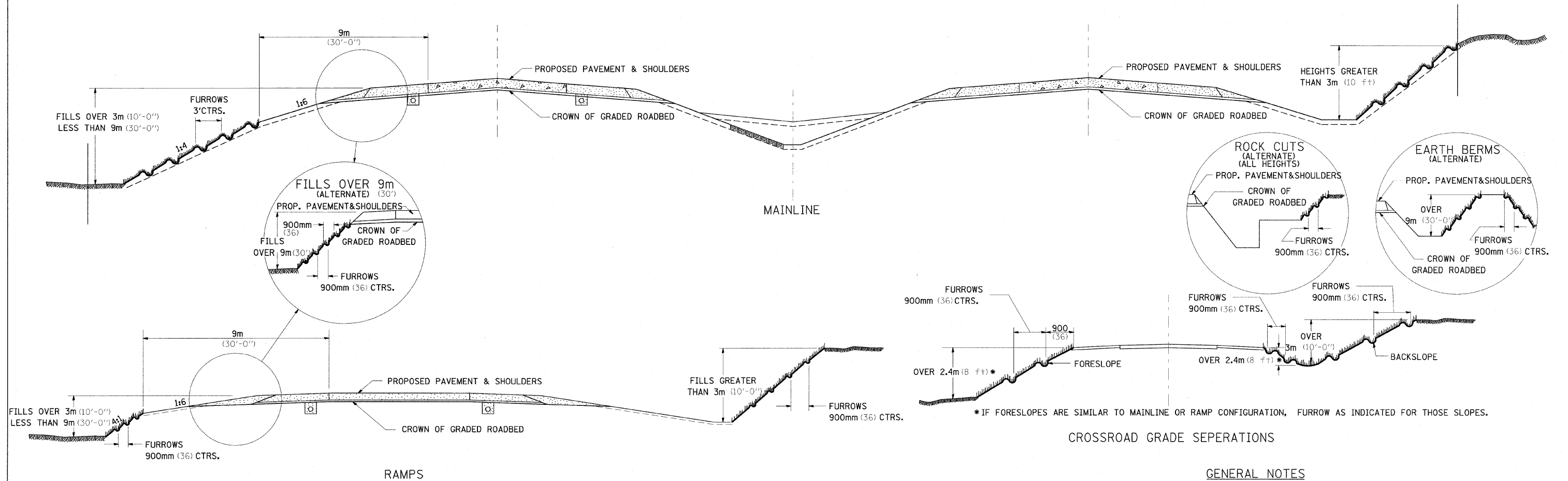
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

PLOT DATE = 1/25/2009
 FILE NAME = #FILEL#
 PLOT SCALE = #SCALE#
 REFERENCE = #REF#

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	230
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
P-92-029-02				

TYPICAL FURROWED ROADWAY SLOPES



CROSSROAD GRADE SEPERATIONS

GENERAL NOTES

IN GENERAL, THE ENTIRE EARTH SURFACE WITHIN THE RIGHT-OF-WAY SHALL BE SEEDED AND MULCHED.

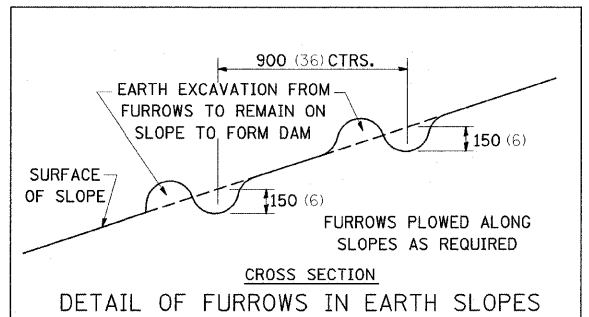
NO AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO THE GRADED ROADBED.

FORESLOPES AND/OR BACKSLOPES 3m (10 ft) OR LESS IN HEIGHT WILL NOT REQUIRE FURROWING UNLESS OTHERWISE NOTED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

FORESLOPES AND/OR BACKSLOPES OVER 3m (10 ft) IN HEIGHT SHALL BE FURROWED. THE OPERATION SHALL INCLUDE FINISHING THE SLOPES TO FINAL LINE AND GRADE, AS SHOWN ON THE CROSS SECTIONS BEFORE FURROWING IS DONE. FURROWS SHALL BE PLOWED ALONG A LEVEL LINE CONFORMING TO THE CONTOURS OF THE SLOPE. THE COST OF FURROWING SHALL BE CONSIDERED INCLUDED IN THE PROJECT COST AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

SEQUENCE AND OPERATION FOR SEEDING, MULCHING AND FURROWING OF ROADWAY SLOPES:

1. SPREAD FERTILIZER AND AGRICULTURAL GROUND LIMESTONE.
2. PERFORM THE OPERATION OF GROUND PREPARATION.
3. PLOW FURROWS.
4. PERFORM THE OPERATION OF SEEDING. THE SEED SHALL BE SOWN ON THE SURFACE OF THE PREPARED GROUND AFTER FURROWING.
- 4A. THE OPERATION OF COVERING THE SEED, BY HARROWING OR OTHER MEANS, SHALL BE PERFORMED ONLY IF SO DIRECTED BY THE ENGINEER AND SHALL BE INCIDENTAL OF THE ITEM OF SEEDING.
5. SECTION 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS NOTED HEREIN.



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

PLOT DATE = 1/28/2010
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
REFERENCE = #REF#

STORM WATER POLLUTION PREVENTION PLAN EROSION CONTROL PLAN

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(-1A, B-1, VB-1)	STEPHENSON	386	231
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
P-92-029-02				

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME; THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THE PLANS. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

THIS PROJECT CONSISTS OF CONSTRUCTING EMBANKMENT FOR APPROX. 19,000' OF US 20,, CONSTRUCTION OF ROADWAY ALONG US 20, THE CONSTRUCTION OF A FRONTAGE ROAD AND ALL RELATED CULVERTS, DITCHES AND EROSION CONTROL.

DESCRIPTION OF INTENDED SEQUENCE OF ACTIVITIES:

THE SEQUENCE OF EVENTS ARE AS FOLLOW: CLEARING, EMBANKMENT, EXCAVATION, GRADING AND PAVING. THIS PROJECT WILL BE CONSTRUCTED IN SEGMENTS AS SHOWN IN THE "STAGING PLANS".

TOTAL CONSTRUCTION SITE (CONSTRUCTION LIMIT TO CONSTRUCTION LIMIT) 86 ACRES

PROPOSED R.O.W (TOTAL PARCEL AREA) 199 ACRES

DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 62 ACRES

SUPPORTING REPORTS AND PLANS

THE FOLLOWING ASSISTED IN DEVELOPING THE EROSION CONTROL PLAN AS REFERENCED DOCUMENTS:

SOIL PROFILE SHEETS, SOILS REPORTS, BORING LOGS
USGS DRAINAGE MAPS, PROJECT PLAN DOCUMENTS

DRAINAGE TRIBUTARIES RECEIVING WATER FROM CONSTRUCTION SITE:

PECATONICA RIVER

EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES

STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

STABILIZATION PRACTICES DURING CONSTRUCTION:

AS EARTH EXCAVATION AND EMBANKMENT ARE BEING COMPLETED THE CONTRACTOR SHALL PLACE DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKET, AND SEEDING AS STAGES OF THE PROJECT ARE COMPLETED. PERIMETER EROSION BARRIER WILL BE INSTALLED AT ADDITIONAL LOCATIONS AS THE PROJECT PROGRESSES. SEEDING SHALL BE COMPLETED AS SPECIFIED IN THE EROSION CONTROL/ SEEDING MOBILIZATION AND TEMPORARY SEEDING SPECIAL PROVISION.

MAINTENANCE AFTER FINAL GRADING

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED WITH THE PROPER STAND. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED TURF RESEEDED.

PLOT DATE : 1/28/2010
 FILE NAME : #FILE#
 PLOT SCALE : #SCALE#
 REFERENCE : #REF#

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	232
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
P-92-029-02				

PC CONCRETE ISLANDS AND MEDIANS ACCESSIBLE TO THE DISABLED

General Notes:

See Standard 606301 and plan sheets for station & offsets, radii, dimensions, and details not shown.

The sidewalk should drain to the low side of the island. If necessary the sidewalk shall be sloped to drain at a maximum 2% grade.

See the plan general notes for the type of curb & gutter to be used on Islands.

Curb & gutter adjacent to the walkway in the interior of the island shall have 150 (6) gutter flags.

The sidewalk should not be closer than 900 (36) from the corner of the island.

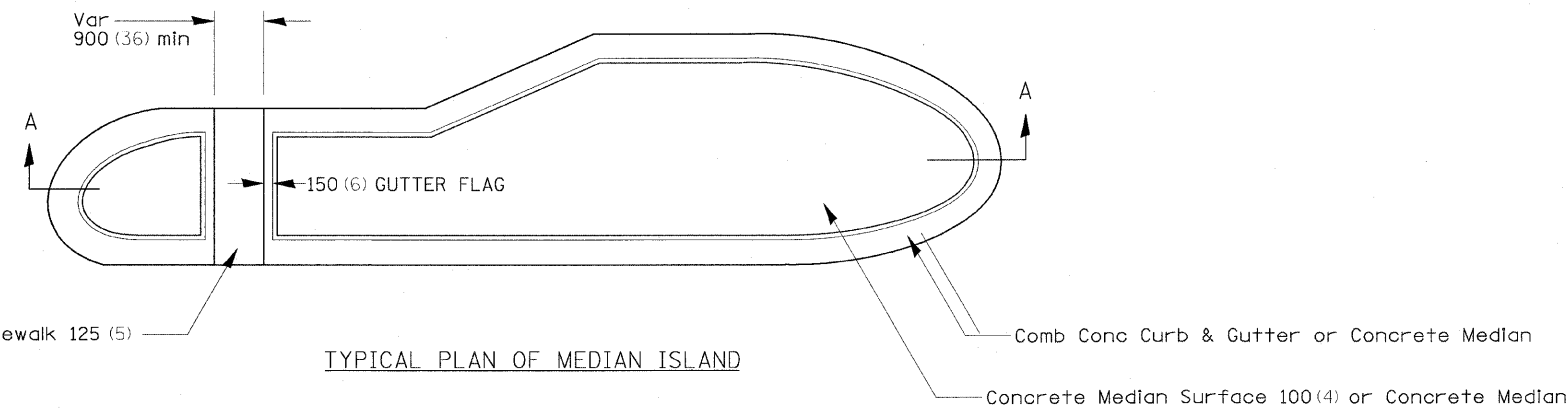
Keyed longitudinal construction joints shall be constructed without tie bars.

Medians and large Islands shall consist of PCC Sidewalk 125 (5), Concrete Median Surface 100 (4), and Combination Concrete Curb & Gutter, Type M or B of the size specified. Median Island can also be solid concrete medians.

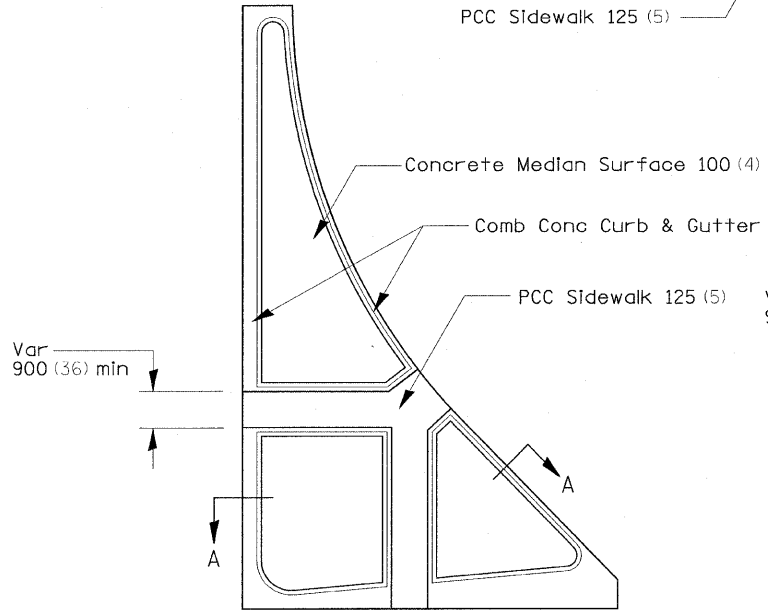
Locations, layouts, and widths of the flush sidewalk area, shall be determined by the designer and shown on the plans.

The intermediate and small Islands will be measured for payment from E.O.P. to E.O.P. using either option 1 or option 2, as directed by the Engineer, and will be paid for at the contract unit price per SQ M (SQ YD) for ISLAND SPECIAL, which shall include the combination curb & gutter, sidewalk, aggregate fill, concrete median surface, and solid concrete median.

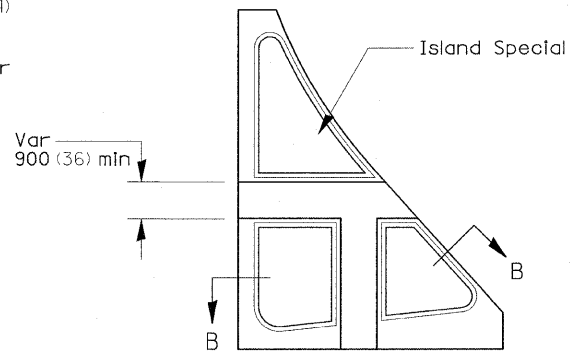
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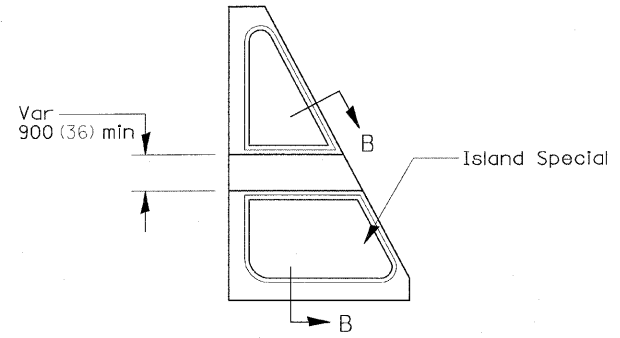
TYPICAL PLAN OF MEDIAN ISLAND



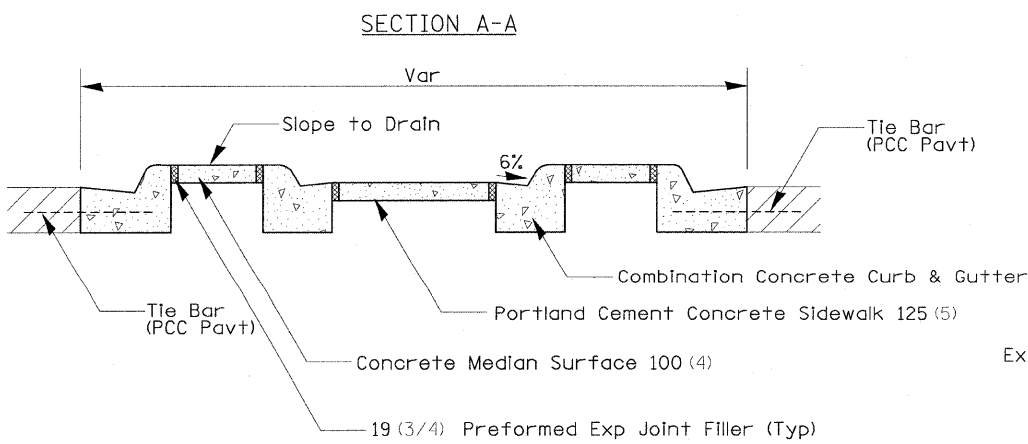
LARGE ISLAND (Free Flow Design)



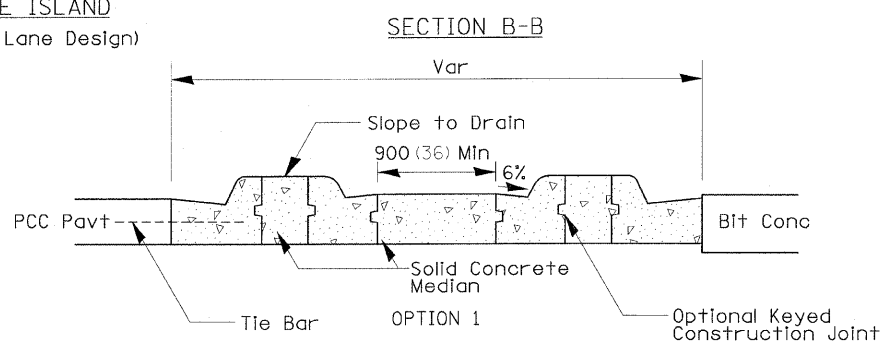
INTERMEDIATE ISLAND (For Right Turn Lane Design)



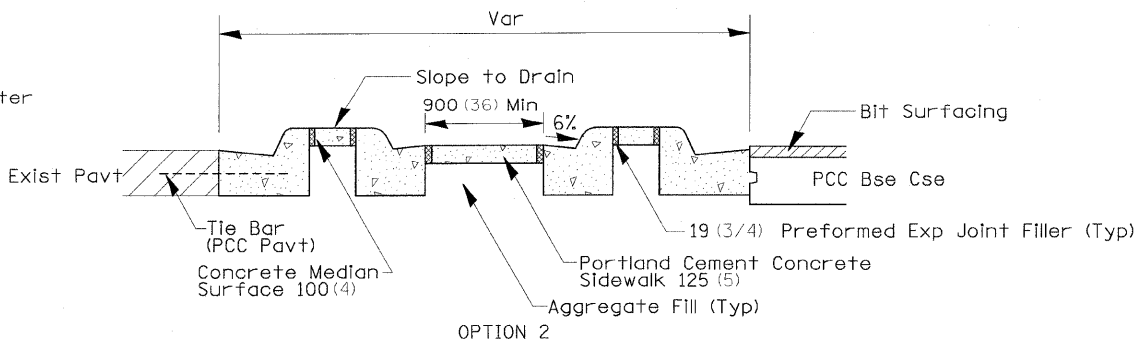
SMALL ISLAND (For Typical Design)



SECTION A-A



SECTION B-B



OPTION 2

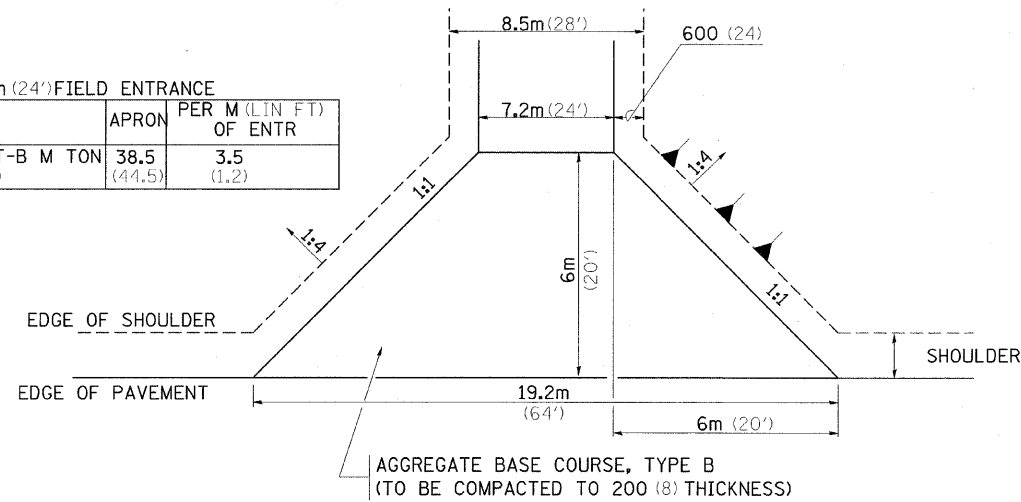
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BITUMINOUS APPROACHES & MAILBOX RETURNS

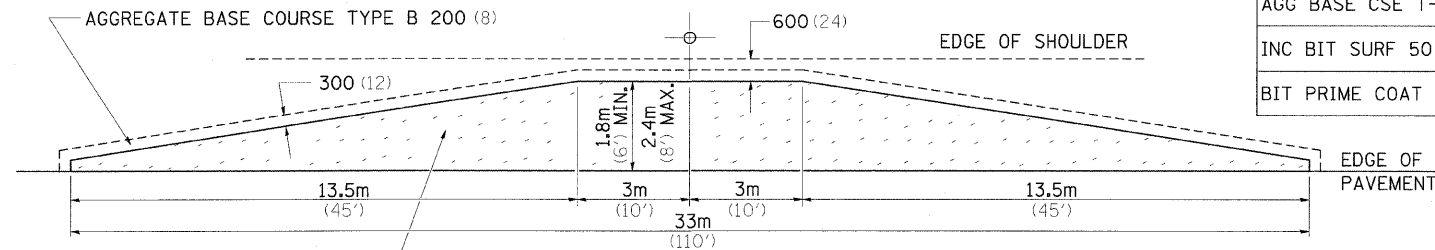
CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	233
STA.		TO STA.		
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P-92-029-02				

	1.8m (6')	2.4m (8')
AGG BASE CSE T-B (TON)	22.2 (24.5)	28.2 (31.1)
INC BIT SURF 50 (2) (TON)	5.3 (5.8)	7.1 (7.8)
BIT PRIME COAT (TON)	0.05 (0.06)	0.07 (0.08)

7.2m (24') FIELD ENTRANCE		
	APRON	PER M (LIN. FT) OF ENTR
AGG BASE CSE T-B M TON (TON)	38.5 (44.5)	3.5 (1.2)



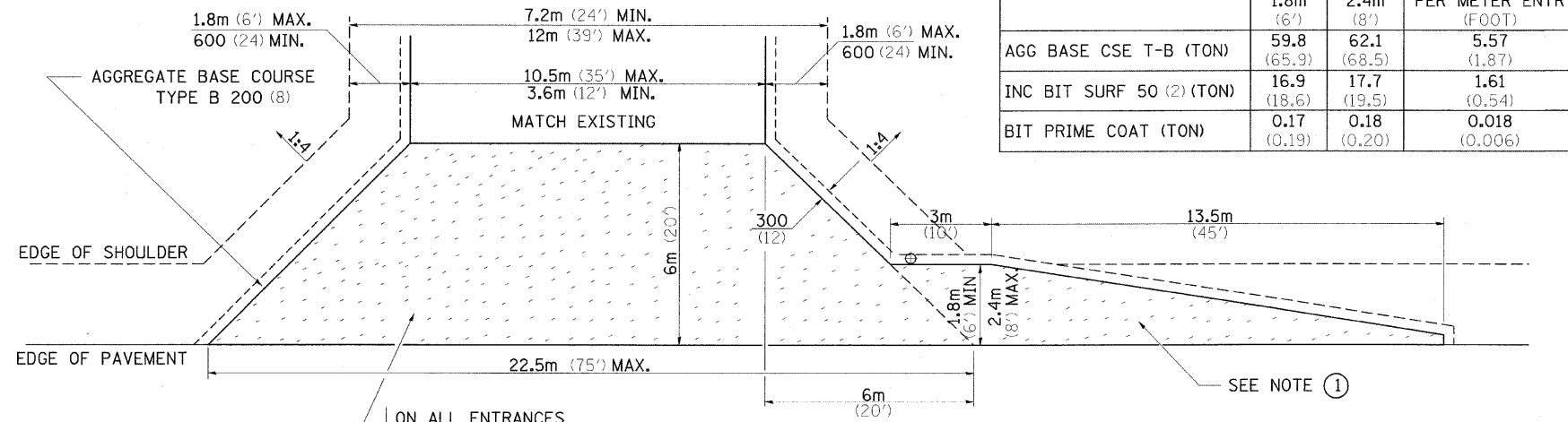
FIELD ENTRANCE



MAILBOX TURNOUT

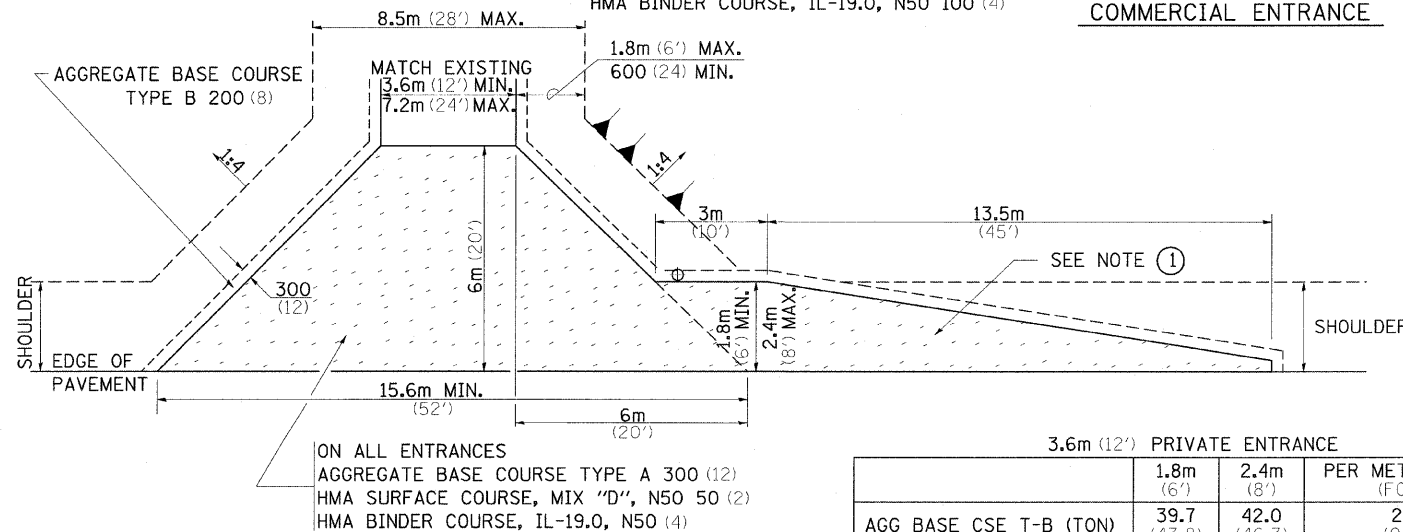
NOTE

- TURNOUTS ARE TO BE CONSTRUCTED ON THE APPROACH SIDE OF ALL PE & CE REGARDLESS IF A MAILBOX IS PRESENT.
- ALL PE & CE ARE TO BE SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
- FE ARE TO BE AGGREGATE TO RIGHT OF WAY OR TOUCH DOWN, WHICH EVER IS GREATEST.
- QUANTITIES ARE CALCULATED WITH 1' BITUMINOUS SHOULDER IN PLACE. AGGREGATE QUANTITIES SHOWN ARE FOR NEW CONSTRUCTION.
- EXCAVATION REQUIRED FOR PLACEMENT OF AGGREGATE BASE COURSE SHALL BE CONSIDERED INCIDENTAL TO THE AGGREGATE BASE COURSE.
- ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.



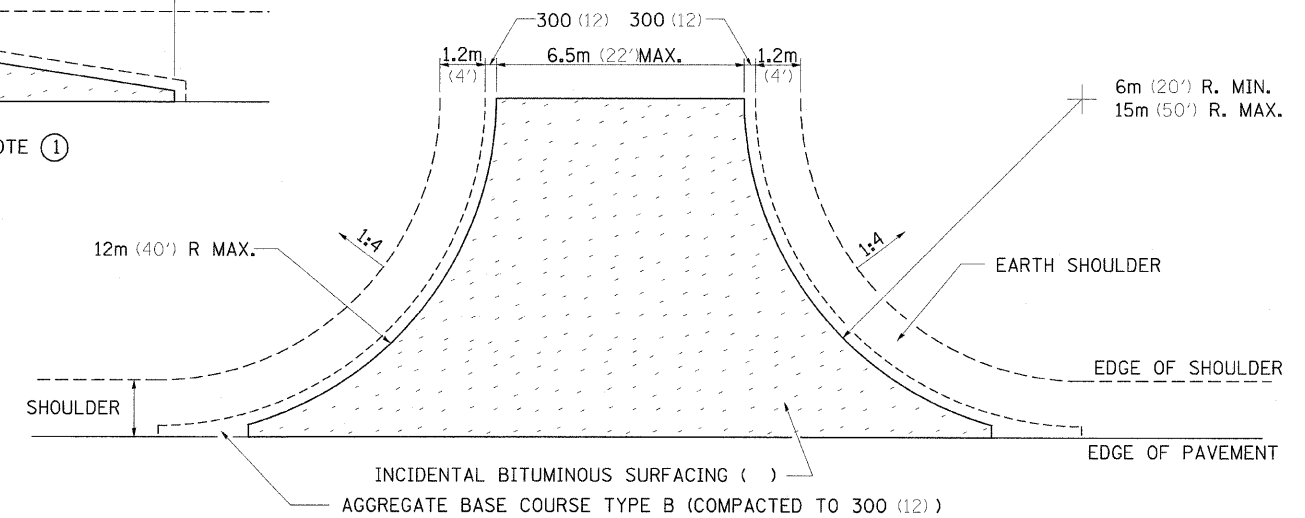
COMMERCIAL ENTRANCE

10.5m (35') COMMERCIAL ENTRANCE			
	1.8m (6')	2.4m (8')	PER METER ENTR (FOOT)
AGG BASE CSE T-B (TON)	59.8 (65.9)	62.1 (68.5)	5.57 (1.87)
INC BIT SURF 50 (2) (TON)	16.9 (18.6)	17.7 (19.5)	1.61 (0.54)
BIT PRIME COAT (TON)	0.17 (0.19)	0.18 (0.20)	0.018 (0.006)



PRIVATE ENTRANCE

3.6m (12') PRIVATE ENTRANCE			
	1.8m (6')	2.4m (8')	PER METER ENTR (FOOT)
AGG BASE CSE T-B (TON)	39.7 (43.8)	42.0 (46.3)	2.11 (0.71)
INC BIT SURF 50 (2) (TON)	10.7 (11.8)	11.5 (12.7)	0.57 (0.19)
BIT PRIME COAT (TON)	0.11 (0.12)	0.18 (0.13)	0.006 (0.002)



SIDE ROAD RETURN

	6m RADIUS (20')			9m RADIUS (30')			12m RADIUS (40')		
	5.5m (18')	6m (20')	6.5m (22')	5.5m (18')	6m (20')	6.5m (22')	5.5m (18')	6m (20')	6.5m (22')
AGG BASE CSE T-B (TON)	40.9 (45.1)	43.7 (48.2)	46.4 (51.2)	70.3 (77.5)	74.4 (82.0)	78.6 (86.6)	105.5 (116.3)	111.0 (122.4)	116.6 (128.5)
INC BIT SURF AT 25 (1) (TON)	3 (3.3)	3.3 (3.6)	3.4 (3.8)	5.3 (5.8)	5.5 (6.1)	5.9 (6.5)	8.0 (8.8)	8.4 (9.3)	9.0 (9.9)
BIT PRIME COAT (TON)	0.07 (0.08)	0.08 (0.09)	0.10 (0.10)	0.14 (0.15)	0.15 (0.16)	0.15 (0.17)	0.20 (0.22)	0.22 (0.24)	0.23 (0.25)

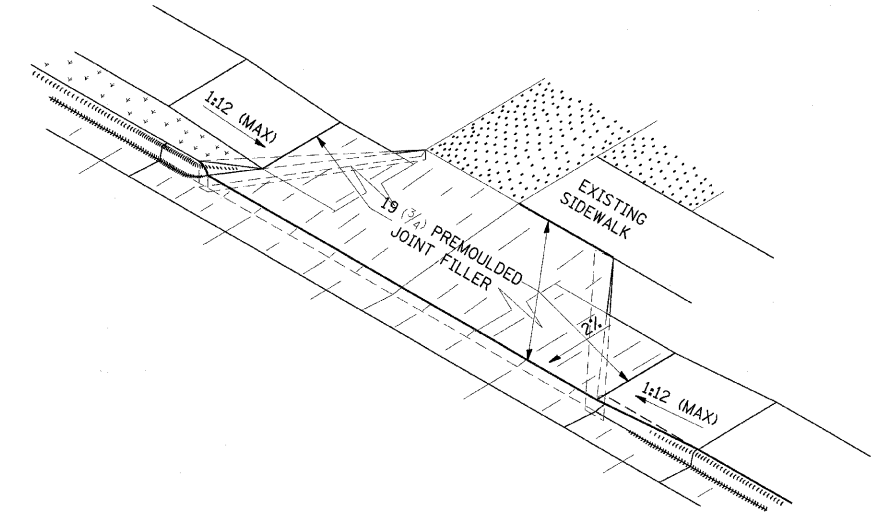
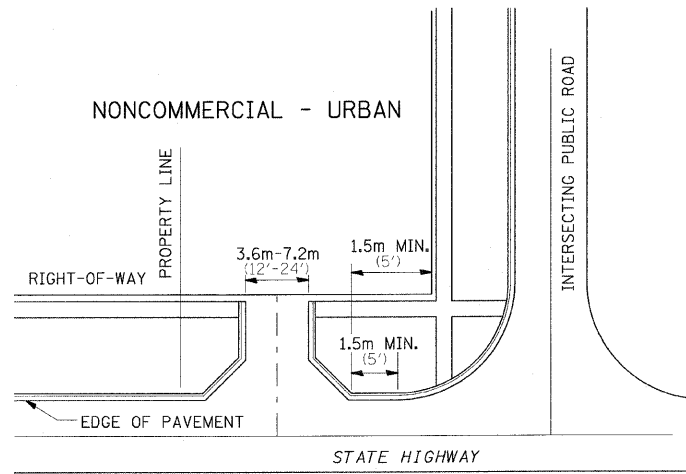
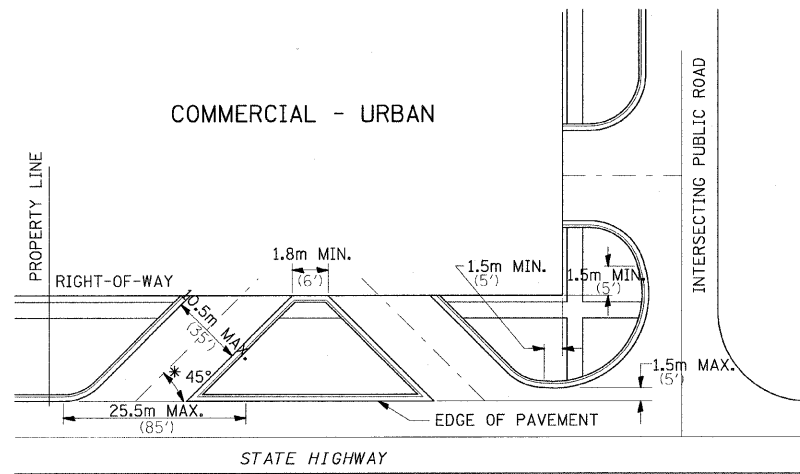
NOTE: USE 50 (2) INC. BIT. SURF. ON EXISTING RETURNS

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ENTRANCE APPROACHES - URBAN AREA

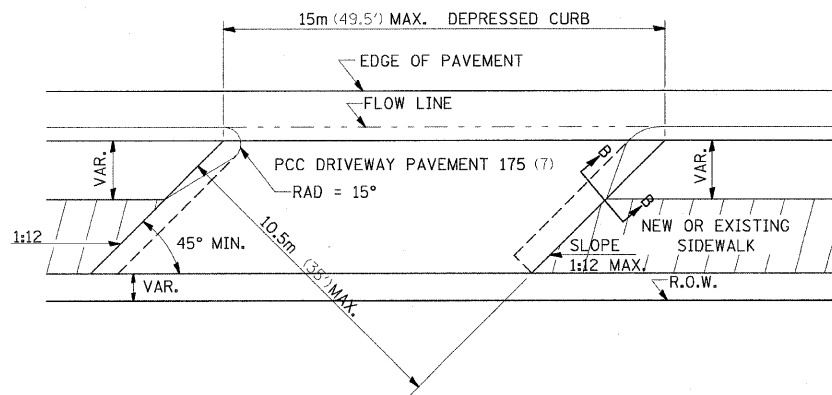
CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	234
STA.		TO STA.		
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P-92-029-02				

TYPICAL APPLICATION OF ENTRANCES

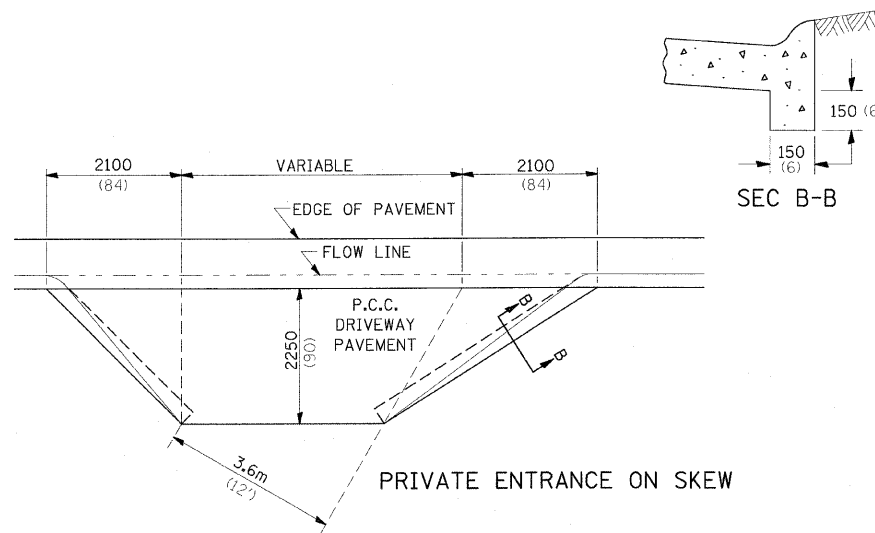


WHEN THE ISLAND BETWEEN DRIVES IS LESS THAN 7.5m (25') LONG OR LESS THAN 10 FEET WIDE, IT SHALL BE DEFINED BY CURBS, MASONRY, OR OTHER DEVICES.

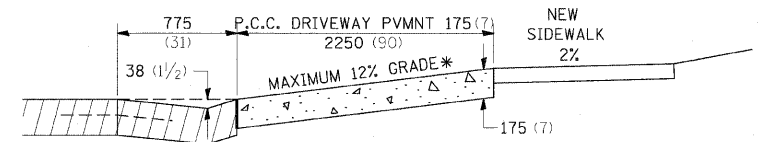
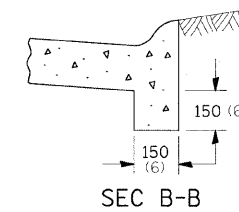
* 45° MIN. ANGLE PERMITTED ONLY FOR ONE-WAY DRIVEWAYS.
60° MIN. ANGLE FOR TWO-WAY DRIVEWAYS.



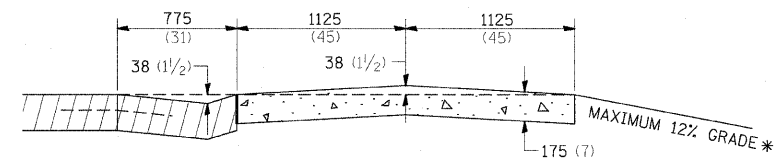
COMMERCIAL ENTRANCE



PRIVATE ENTRANCE ON SKEW

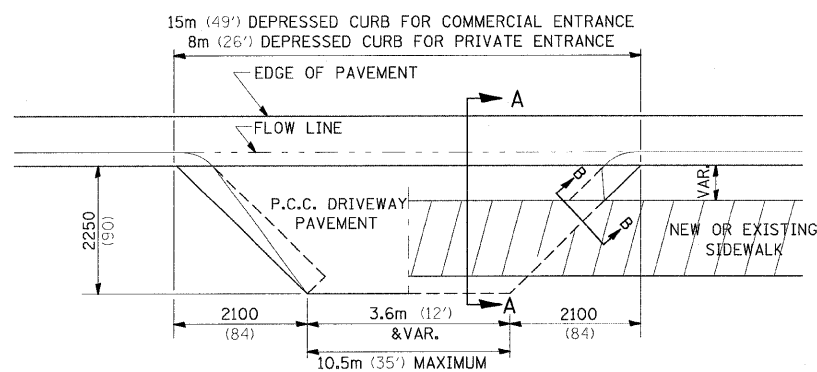


ASCENDING APPROACH



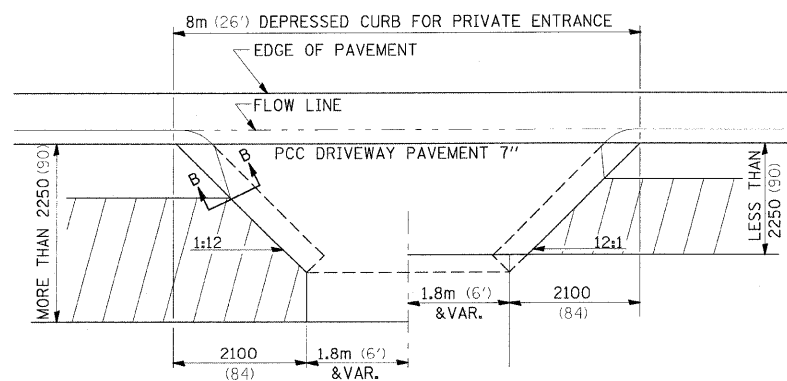
DESCENDING APPROACH

* IN CASES WHERE GRADE EXCEEDS 12%, THE RESIDENT ENGINEER SHALL CHECK WITH DISTRICT DESIGN OFFICE TO DETERMINE NEW APPROACH GRADE. PARTICULAR ATTENTION SHALL BE PAID TO THE NEGATIVE GRADE TO PREVENT DRAINAGE FROM OVER FLOWING INTO THE PRIVATE ENTRANCE.

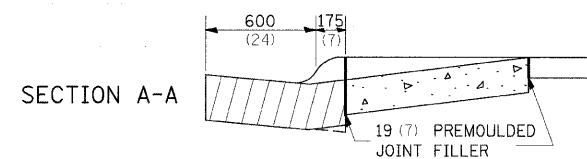


NO SIDEWALK

EXISTING SIDEWALK



NEW SIDEWALK



SECTION A-A

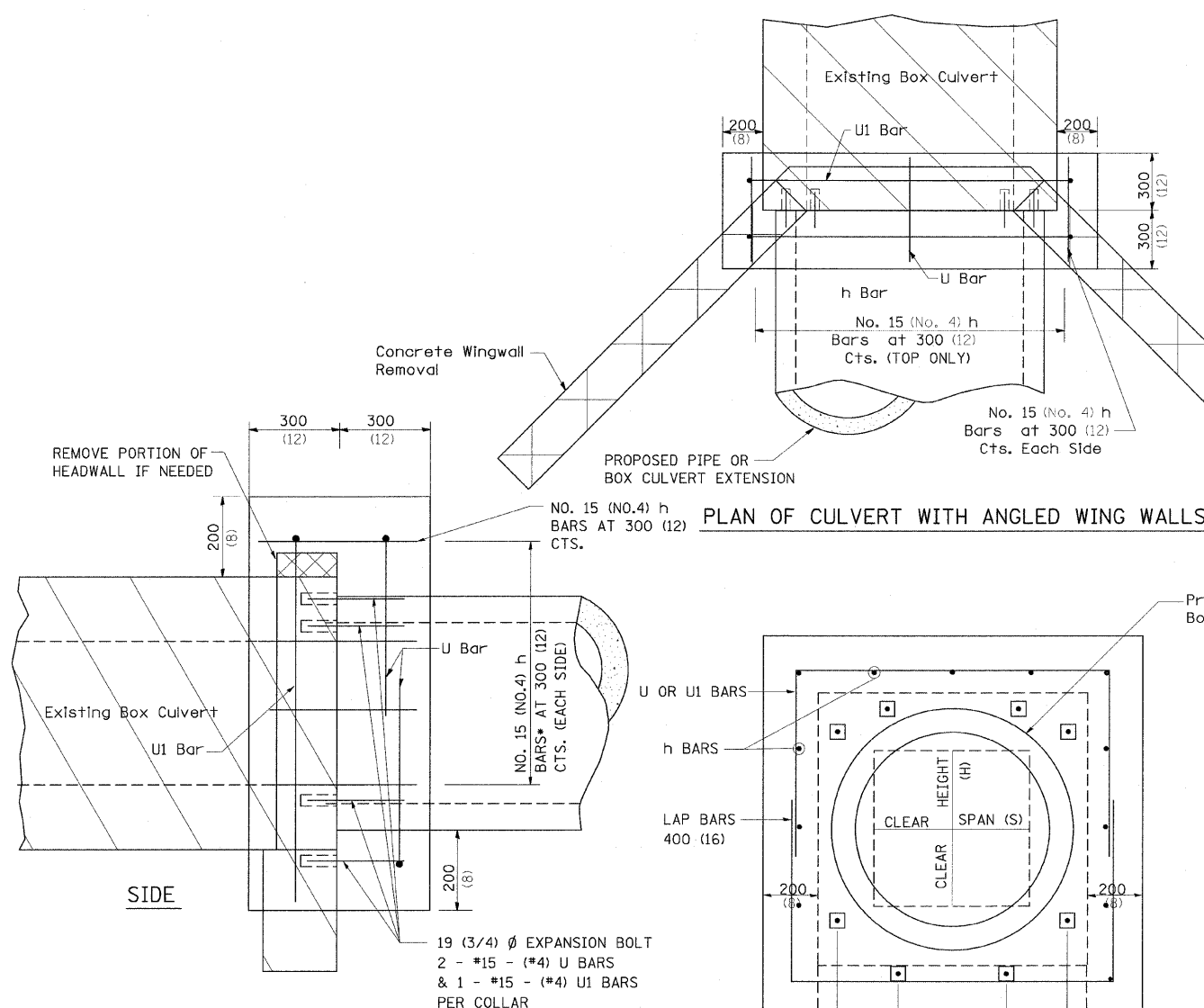
THE VARIABLE HEIGHT INTEGRAL CURB AND PREMOULDED JOINT FILLER WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF DRIVEWAY PAVEMENT OF THE THICKNESS SPECIFIED.

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

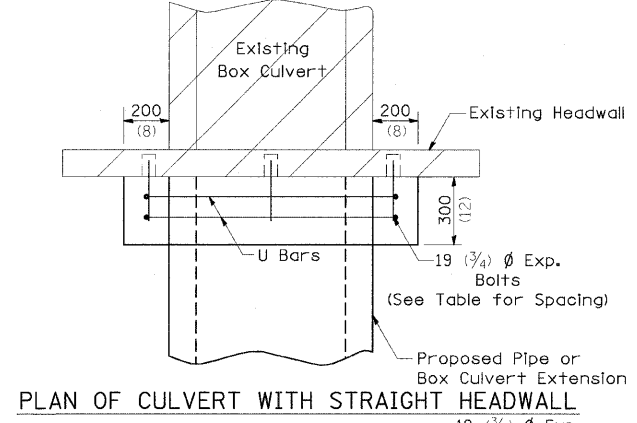
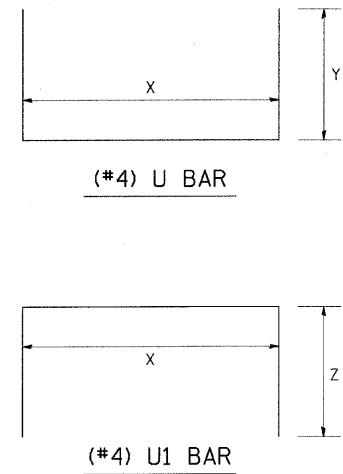
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CONCRETE COLLARS FOR PIPE OR BOX CULVERT EXTENSIONS

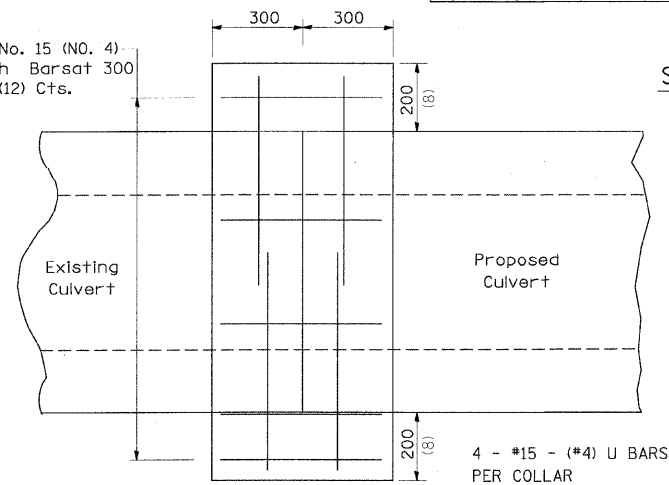
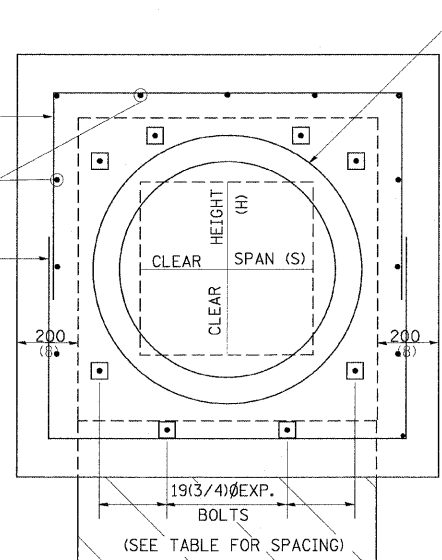
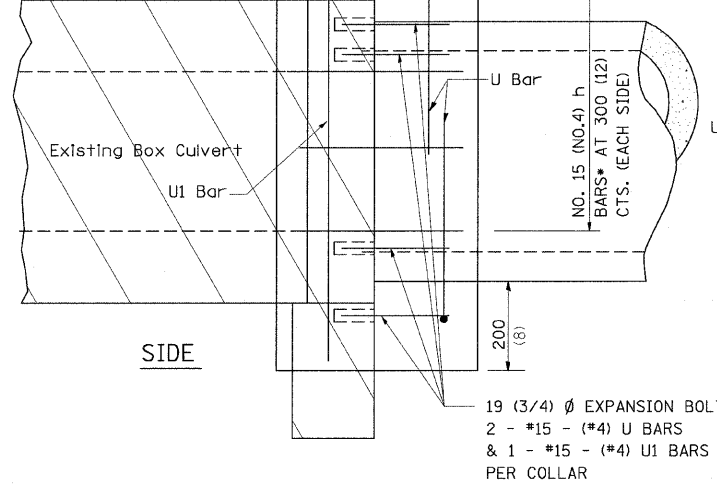
CONTRACT NO.					
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	235	
STA. TO STA.			FED. AID PROJECT		
FED. ROAD DIST. NO.			ILLINOIS		
P-92-029-02					



PLAN OF CULVERT WITH ANGLED WING WALLS



PLAN OF CULVERT WITH STRAIGHT HEADWALL



CULVERT CONNECTION WITHOUT EXISTING HEADWALL

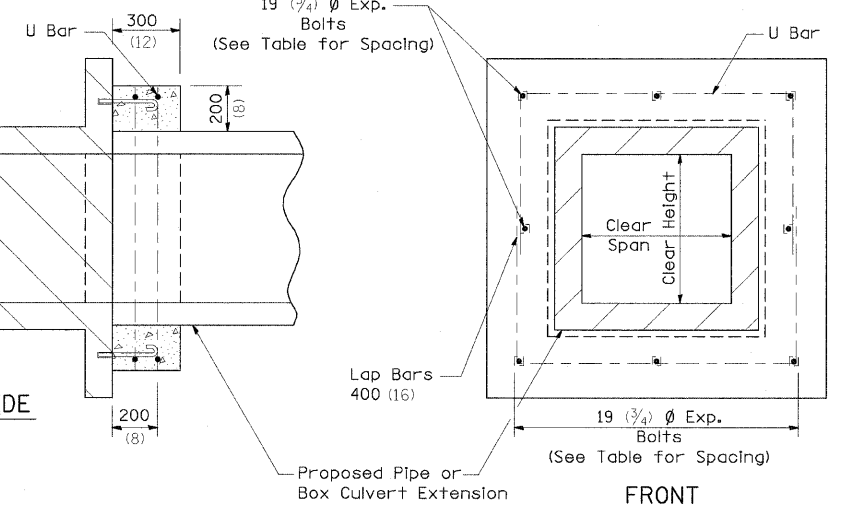
Bill of Materials

STATION	DIMENSIONS		h Bar	U Bar		EXPANSION BOLTS	CONCRETE COLLAR	REINF. BARS
	X	Y	No.	No.	Length	No.	Cu. Yd.	Pound
629+91	3.79	2.56	*4	*4	8.91	8	2.06	57.6
7+35 LT EAST	3.20	2.27	*4	*4	7.74	4	1.23	24.7
7+35 LT WEST	3.20	2.27	*4	*4	7.74	4	1.23	24.7
7+35 RT EAST	2.79	2.06	*4	*4	6.91	4	4.28	89.8
7+35 RT WEST						4		
			All h Bars 450 (18) Long		Total			

PLACEMENT DETAILS FOR EXPANSION BOLTS

H OR S (ft)	NUMBER OF EXPANSION BOLTS REQUIRED PER SIDE			
	EXTENSIONS < 4.57m (15')		EXTENSIONS > 4.57m (15')	
	NUMBER	SPACING	NUMBER	SPACING
600 (24)	*		*	
750 (30)	2	450 (18)	2	450 (18)
900 (36)	2	600 (24)	2	600 (24)
1200 (48)	3	450 (18)	3	450 (18)
1500 (60)	4	400 (16)	3	600 (24)
1800 (72)	5	375 (15)	4	500 (20)
2100 (84)	5	450 (18)	4	600 (24)
2400 (96)	6	375 (15)	5	525 (21)
2700 (108)	6	475 (19)	5	600 (24)
3000 (120)	7	450 (18)	6	525 (21)
3300 (132)	8	425 (17)	6	600 (24)
3600 (144)	8	475 (19)	7	550 (22)

* MINIMUM ONE PER SIDE



General Notes

Concrete Collars shall be constructed of Class SI Concrete in accordance with Section 503 of the Standard Specifications

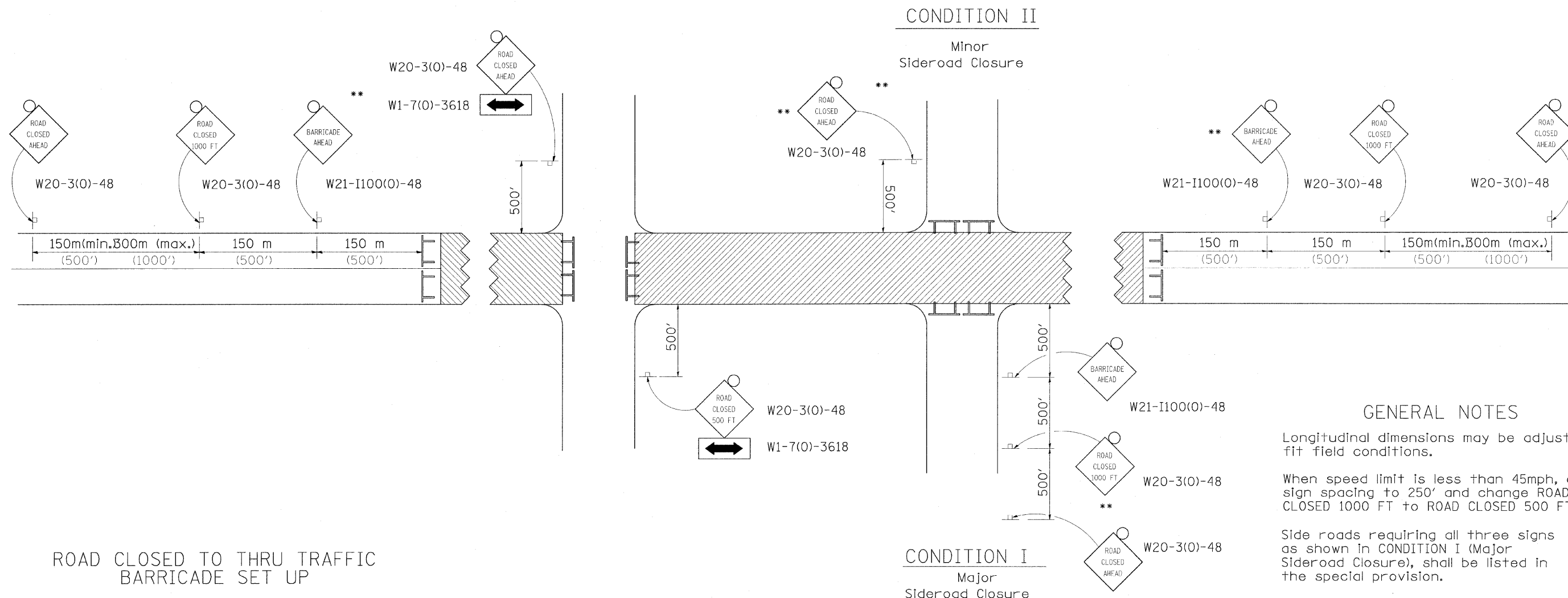
Reinforcement bars shall conform to Section 508 of the Standard Specifications.

The concrete will be paid for at the contract unit price per cubic meter (cubic yard) for CONCRETE COLLAR. Reinforcement will be paid for at the contract unit price per kilogram (pound) for REINFORCEMENT BARS. Expansion Bolts, when required, will be paid for at the contract unit price each for EXPANSION BOLTS of the size indicated, which price shall include furnishing, drilling holes, and installing the expansion bolts complete in place. These bolts shall extend at least 200 (8 inches) into the new concrete.

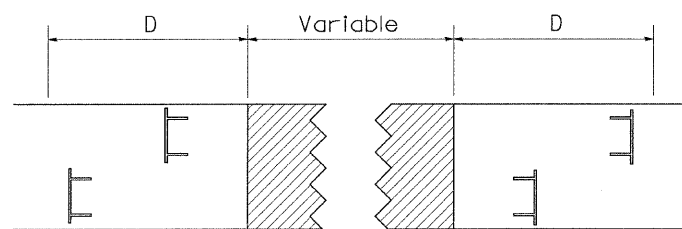
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PLOT SCALE = \$SCALE\$
REFERENCE = \$REF\$

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(-1A, 177-2, B-1, VB-1)	STEPHENSON	386	236
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
P-92-029-02				

TRAFFIC CONTROL FOR ROAD CLOSURE

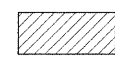




ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To All Thru Traffic" detail on Highway Standard 702001. If the distance "D" exceeds 600 m (2000') an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

SYMBOLS

-  Work area
-  Type III Barricade with Flashers
-  Sign with flashing light

GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

When speed limit is less than 45mph, change sign spacing to 250' and change ROAD CLOSED 1000 FT to ROAD CLOSED 500 FT.

Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.

** Where local access is to be maintained, barricades are to be set up as shown in Road Closed to thru traffic.

Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 702001.

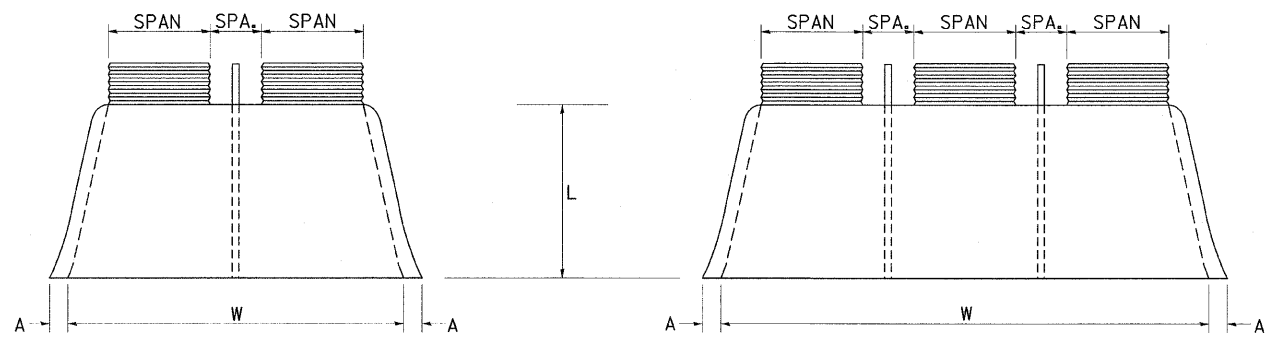
All dimensions are in millimeters (inches) unless otherwise shown.

TYPICAL APPLICATION FOR ROAD CLOSURE

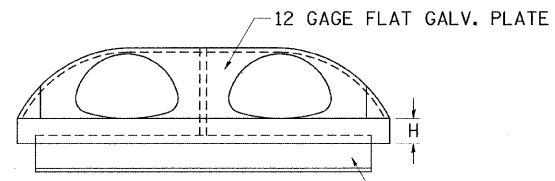
PLOT DATE = 1/26/2009
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
REFERENCE = #REF#

CORRUGATED STEEL PIPE MULTIPLE END SECTIONS

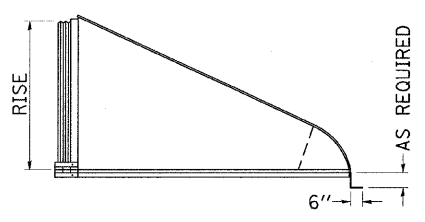
F.A. RTE.		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
301		177-2 (-1A, B-1, VB-1)		STEPHENSON	386	237
STA.				TO STA.		
FED. ROAD DIST. NO.				ILLINOIS	FED. AID PROJECT	
P-92-029-02						



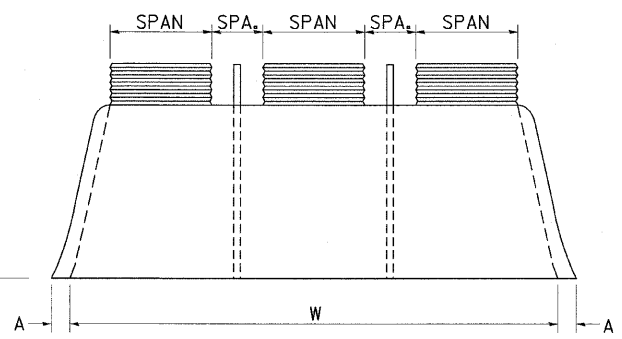
PLAN



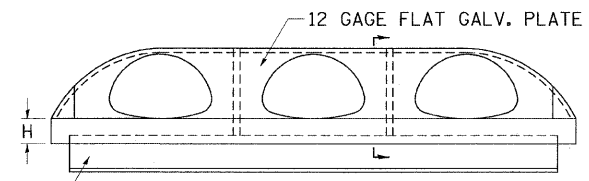
ELEVATION



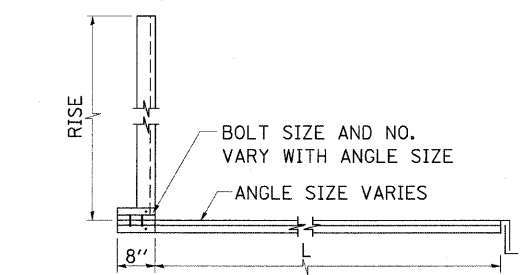
SIDE VIEW



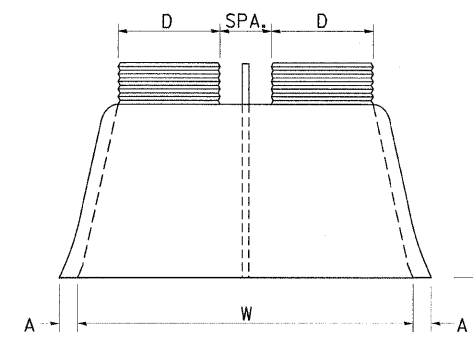
PLAN



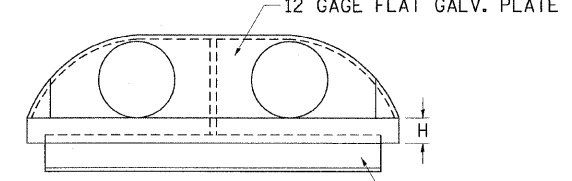
ELEVATION



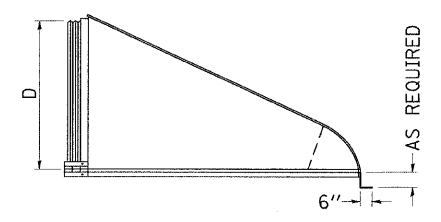
SECTION VIEW



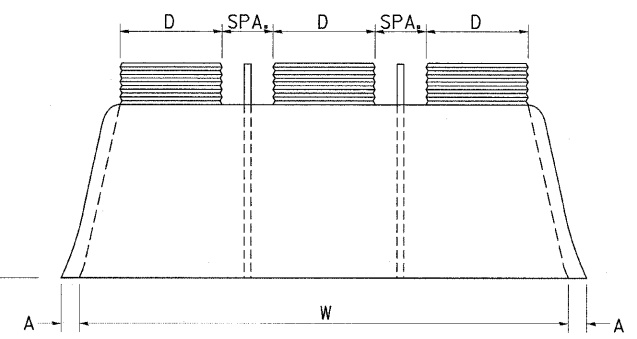
PLAN



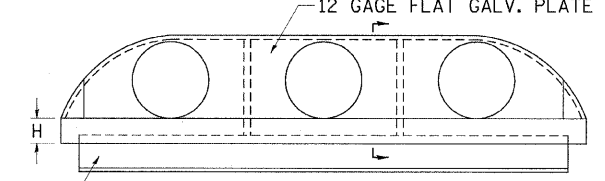
ELEVATION



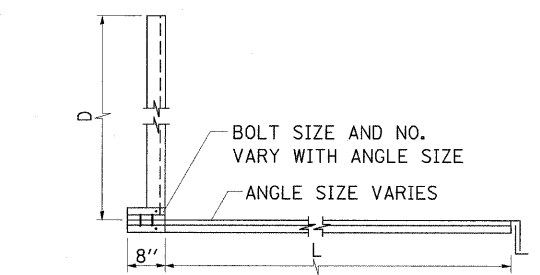
SIDE VIEW



PLAN



ELEVATION



ANGLE SECTION VIEW

PIPE-ARCH MULTIPLE INLET END SECTIONS									
SPAN x RISE 2-2/3" x 1/2"	EQUIV. ROUND	GAGE	SPA. (In)	A (In)	H (In)	L (In)	DOUBLE W	TRIPLE W	REINFORCING ANGLE
17 x 13	15	16	12	6 1/2	6	20	59	88	2 x 2 x 1/4
21 x 15	18	16	12	7 1/2	6	24	69	102	2 x 2 x 1/4
24 x 18	21	16	12	8	6	28	78	114	2 x 2 x 1/4
28 x 20	24	16	12	8	6	32	88	128	5 x 3 x 1/4
35 x 24	30	14	12	10	6	39	107	154	5 x 3 x 1/4
42 x 29	36	14	14	12	7 1/2	46	131	187	5 x 3 x 1/4
49 x 33	42	12	17	13 1/2	9	53	150	216	5 x 3 x 1/4
57 x 38	48	12	19	18 1/2	12	62	166	242	6 x 4 x 3/8
64 x 43	54	12	22	18	12	69	188	274	6 x 4 x 3/8
71 x 47	60	12/10	24	18 1/2	12	77	209	304	6 x 4 x 3/8
77 x 62	66	12/10	26	18	12	77	229	332	6 x 4 x 3/8
83 x 67	72	12/10	28	18	12	77	243	354	6 x 4 x 3/8
SPAN x RISE 3"x1" & 5"x1"	EQUIV. ROUND	GAGE	SPA. (In)	A (In)	H (In)	L (In)	DOUBLE W	TRIPLE W	REINFORCING ANGLE
60 x 46	54	12	20	18	12	70	182	262	6 x 4 x 3/8
66 x 51	60	12/10	22	18	12	77	202	290	6 x 4 x 3/8
73 x 55	66	12/10	25	18	12	77	224	322	6 x 4 x 3/8
81 x 69	72	12/10	27	18	12	77	246	354	6 x 4 x 3/8

ROUND PIPE MULTIPLE INLET END SECTIONS									
PIPE DIA. (D) (In)	GAGE	SPA. (In)	A (In)	H (In)	L (In)	DOUBLE W	TRIPLE W	REINFORCING ANGLE	
12	16	12	6 1/2	6	21	48	72	2 x 2 x 1/4	
15	16	12	7 1/2	6	26	57	84	2 x 2 x 1/4	
18	16	12	8	6	31	66	96	2 x 2 x 1/4	
21	16	12	10	6	36	75	108	2 x 2 x 1/4	
24	16	12	10	6	41	84	120	5 x 3 x 1/4	
30	14	15	12 1/4	8	51	102	147	5 x 3 x 1/4	
36	14	18	14 1/2	9	60	126	180	5 x 3 x 1/4	
42	12	21	17	10 1/2	69	147	210	5 x 3 x 1/4	
48	12	24	18 1/2	12	79	162	234	6 x 4 x 7/16	
54	12	27	18 1/2	12	84	183	264	6 x 4 x 7/16	
60	12/10	30	18	12	88	204	294	6 x 4 x 7/16	
66	12/10	33	18	12	87	219	318	6 x 4 x 7/16	
72	12/10	36	18	12	88 1/2	228	336	6 x 4 x 7/16	
78	12/10	36	18	12	87 1/2	252	366	6 x 4 x 7/16	
84	12/10	36	18	12	87 1/2	254	384	6 x 4 x 7/16	

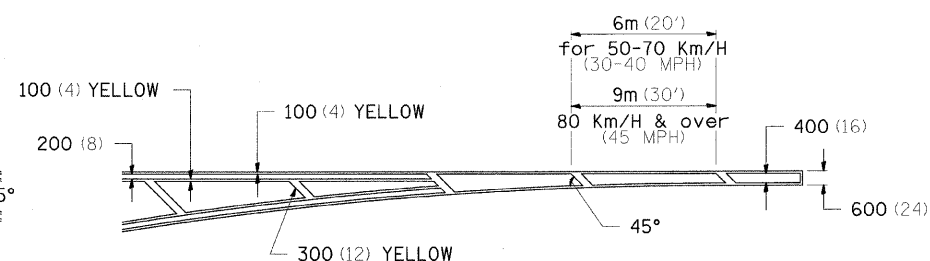
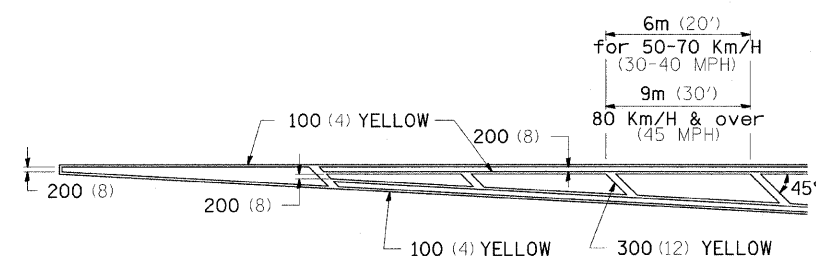
NOTE: ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

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 FILE NAME = #FILES#
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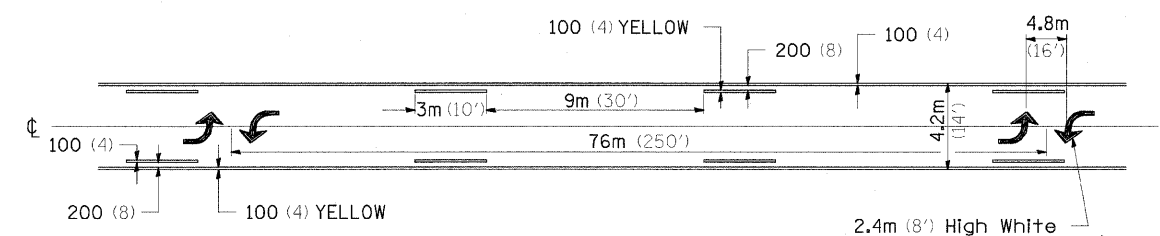
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	238
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
P-92-029-02				

TYPICAL PAVEMENT MARKINGS

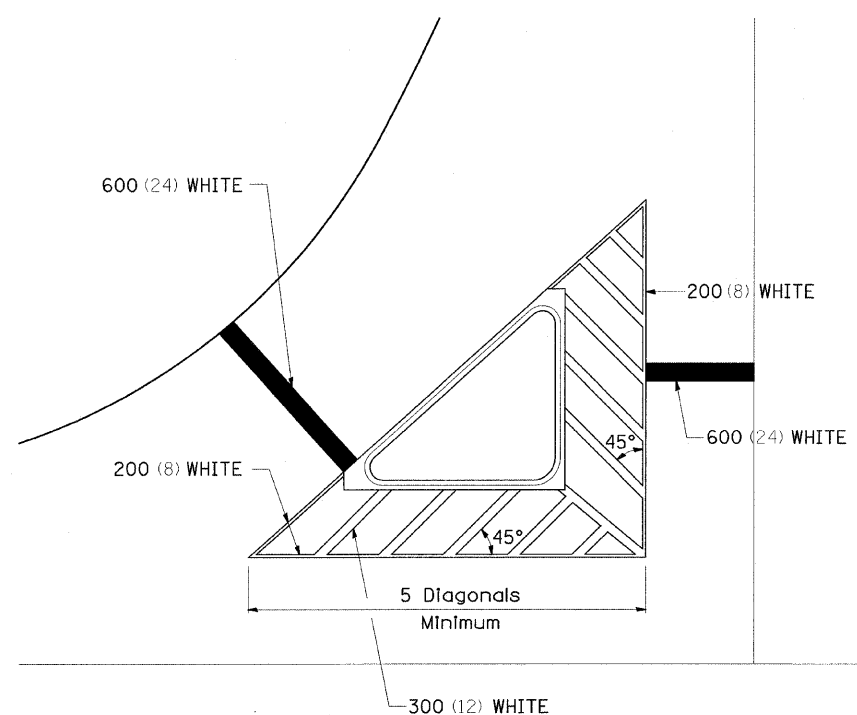
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



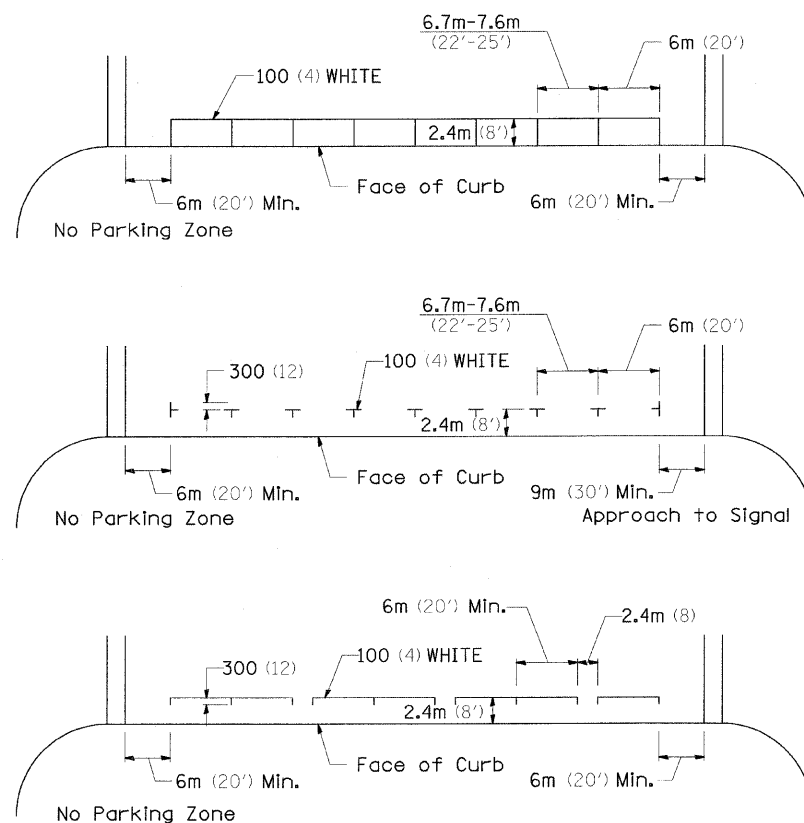
MEDIAN PAVEMENT MARKING



TYPICAL ISLAND OFFSET SHOULDER WIDTH



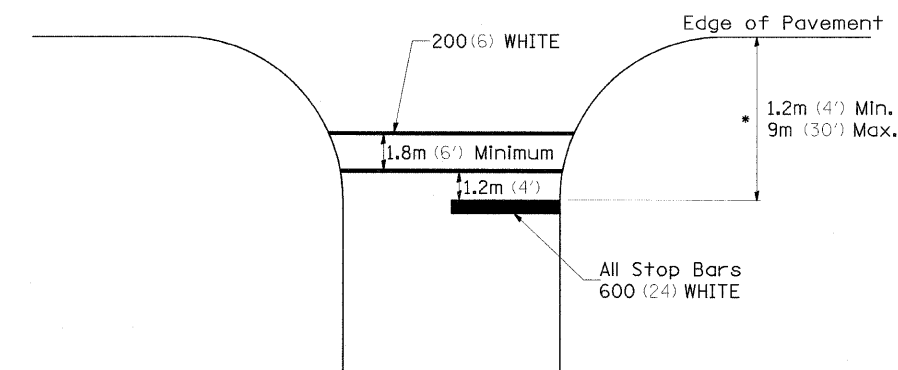
TYPICAL PARKING SPACING



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

STANDARD CROSSWALK MARKING

See Schedules for Locations



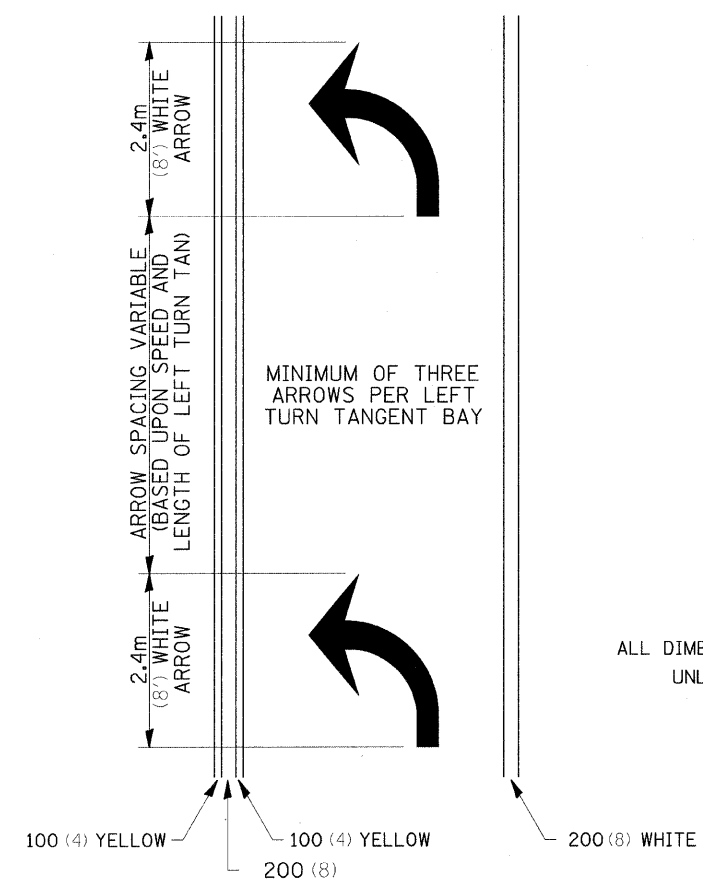
• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

PLOT DATE = 1/26/2010
FILE NAME = 07FILEL
PLOT SCALE = #SCALE#
REFERENCE = #REF#

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	239
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
P-92-029-02				

TYPICAL PAVEMENT MARKINGS

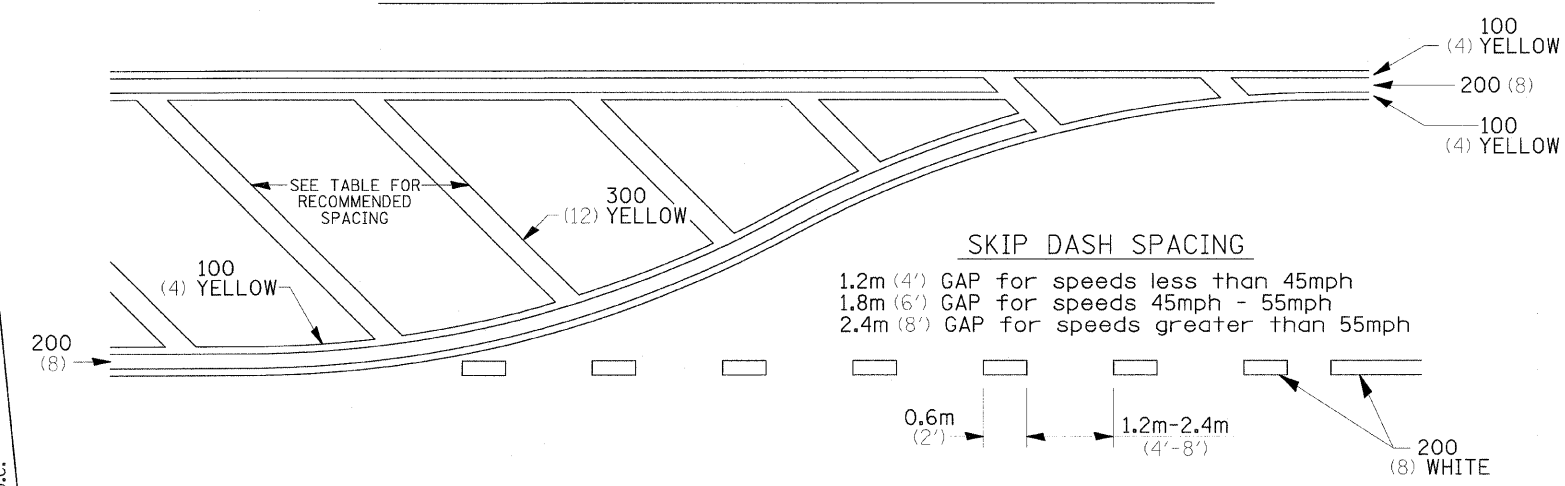
ARROW LAYOUT



- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

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

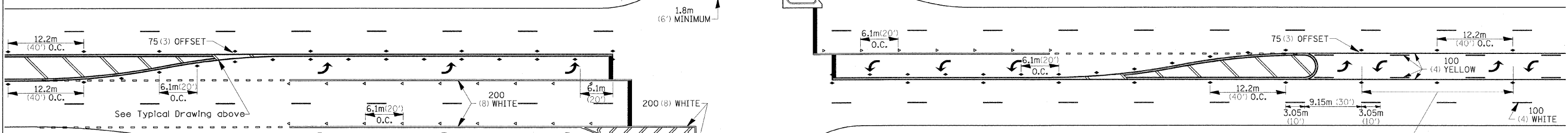
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



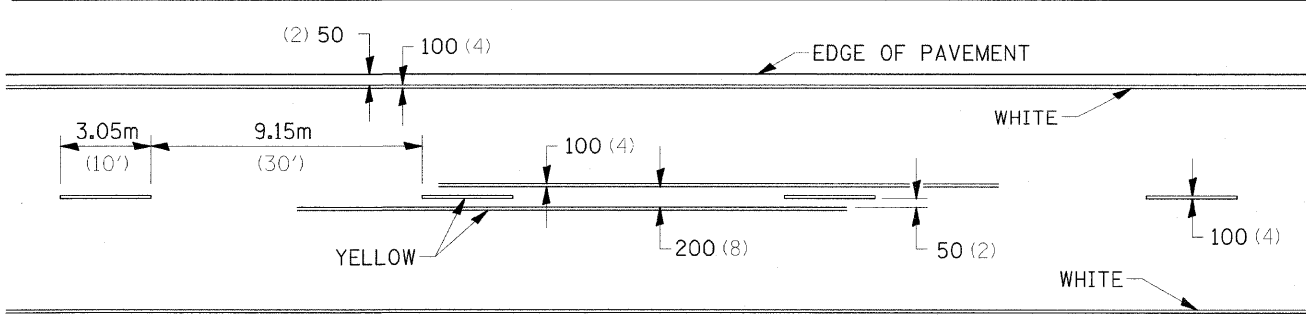
RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50Km/H (30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60Km/H (30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70Km/H (45MPH) & over	22.9m (75')	9.05m (30')	6.1m (20')

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



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



SYMBOLS

See Typical Drawing above

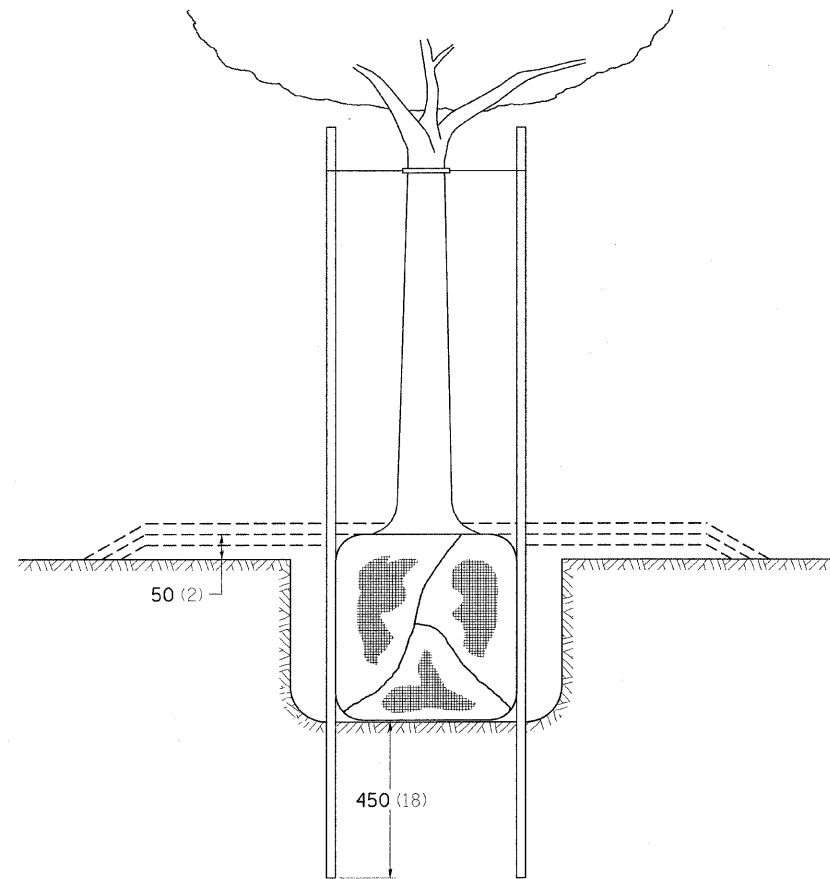
- * REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.
- ** USE DOUBLE MARKERS WHEN ADT ≥ 25,000

MULTI-LANE / UNDIVIDED

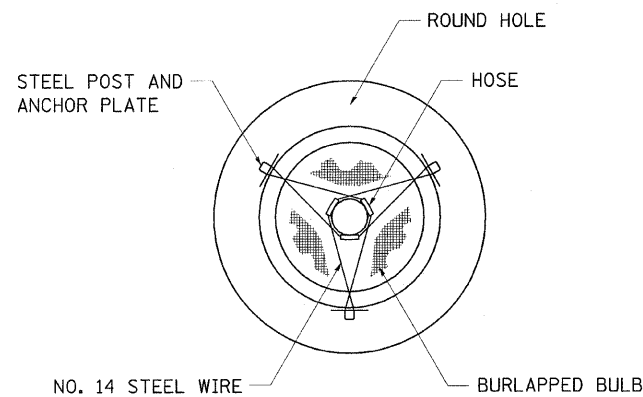
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 FILE NAME = 07FILEL
 PLOT SCALE = 1/8"=1'-0"
 REFERENCE = 07REF

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2 (-1A, B-1, VB-1)	STEPHENSON	386	240
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
P-92-029-02				

DETAILS OF PLANTING AND BRACING TREES

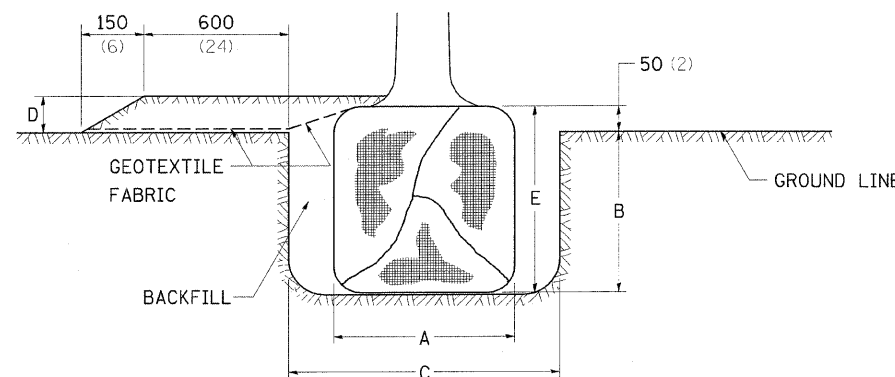


TREES SMALLER THAN 115 (4 1/2) IN DIAMETER

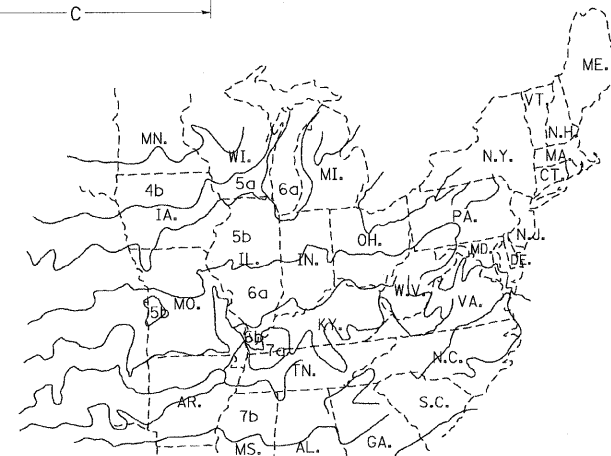
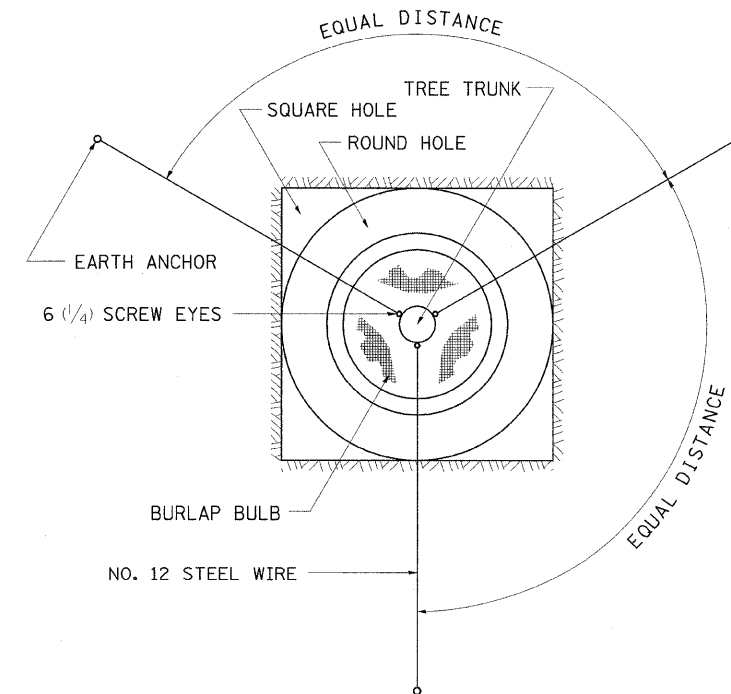


SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER m ³ (CU. YDS.)
1.5-1.8m (5'-6')	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.5-1.8m (5'-6') BB	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.8-2.0m (6'-7') BB	450 (18)	300 (12)	750 (30)	100 (4)	350 (14)	0.41 (0.54)
2.0-2.4m (7'-8') BB	500 (20)	275 (11)	750 (30)	100 (4)	325 (13)	0.41 (0.54)
2.4-3.0m (8'-10') BB	600 (24)	350 (14)	900 (36)	100 (4)	400 (16)	0.47 (0.61)
3.0-3.6m (10'-12') BB	650 (26)	375 (15)	900 (36)	100 (4)	425 (17)	0.47 (0.61)

LARGE	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER m ³ (CU. YDS.)
0-50 (0-2)	500 (20)	275 (11)	900 (36)	100 (4)	325 (13)	0.47 (0.61)
50-65 (2-2 1/2) BB	600 (24)	350 (14)	1200 (48)	100 (4)	400 (16)	0.60 (0.78)
65-75 (2 1/2-3) BB	700 (28)	425 (17)	1200 (48)	100 (4)	475 (19)	0.60 (0.78)
75-90 (3-3 1/2) BB	800 (32)	425 (17)	1500 (60)	100 (4)	475 (19)	0.73 (0.96)
90-100 (3 1/2-4) BB	900 (36)	500 (20)	1500 (60)	100 (4)	550 (22)	0.73 (0.96)
100-115 (4-4 1/2) BB	1000 (40)	550 (22)	1800 (72)	100 (4)	600 (24)	0.89 (1.16)
115-125 (4 1/2-5) BB	1100 (44)	600 (24)	1800 (72)	100 (4)	650 (26)	0.89 (1.16)
125-140 (5-5 1/2) BB	1200 (48)	675 (27)	2100 (84)	100 (4)	725 (29)	1.06 (1.38)



TREES OVER 115 (4 1/2) IN DIAMETER



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

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

PLOT DATE = 1/28/2010
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
REFERENCE = #REF#

EARTHWORK SCHEDULE

LOCATION			UNSUITABLE EXCAVATION	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT (ADJ. FOR SHRINKAGE 25%)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	ROCK EXCAVATION	ROCK FILL	ROCK BALANCE WASTE (+) OR SHORTAGE (-)	TOPSOIL CUT	TOPSOIL FILL (SIDE SLOPES)	TOPSOIL FILL (TOP OF EMBANKMENT) (NOT INCLUDED ON CROSS SECTIONS)	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-)
			(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
US 20 MAINLINE														
477+00.00	TO	536+63.92	3,760	111,630	83,725	33,140	50,585	0	11,430	-1,430	36,750	12,390	7,180	7,995
544+49.21	TO	569+10.40	23,680	3,220	2,415	116,950	-114,535	0	42,165	-42,165	6,885	3,940	2,965	-1,740
570+64.37	TO	631+00.00	3,270	52,795	39,595	132,755	-93,160	0	11,310	-11,310	22,815	10,260	7,265	-415
BORROW LOCATION				277,834	208,376		208,376							
FRONTAGE ROAD														
95+92.35	TO	133+00.00	0	17,750	13,315	36,810	-23,495	2,635	1,790	845	7,835	5,425		450
133+00.00	TO	182+00.00	0	52,040	39,030	41,745	-2,715	61,770	13,595	48,175	11,570	8,755		-80
7+00.00	TO	7+35.00	0	160	120	390	-270	0	0	0	0	75		-75
HEINE ROAD														
8+00.00	TO	22+38.96	0	1,885	1,415	16,025	-14,610	0	0	0	2,615	1,800		160
7+00.00	TO	9+00.00	0	755	565	90	475	0	0	0	210	275		-120
TOTAL							10,651			-15,885				6,175

*TOPSOIL EXCAVATION AND PLACEMENT INCLUDES 15% SHRINKAGE FACTOR

NOTE: US 20 EMBANKMENT GRADING SHALL BE BASED ON CROSS SECTIONS AND NOT ON PROPOSED PROFILE ELEVATIONS SHOWN IN PROFILE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.P. ROUTE 301 (US RTE. 20)
FROM BOLTON ROAD TO WEST OF IL RTE. 26

EARTHWORK SCHEDULE



SCALE:
DATE: 01-22-10

DRAWN BY MGH
CHECKED BY SJV

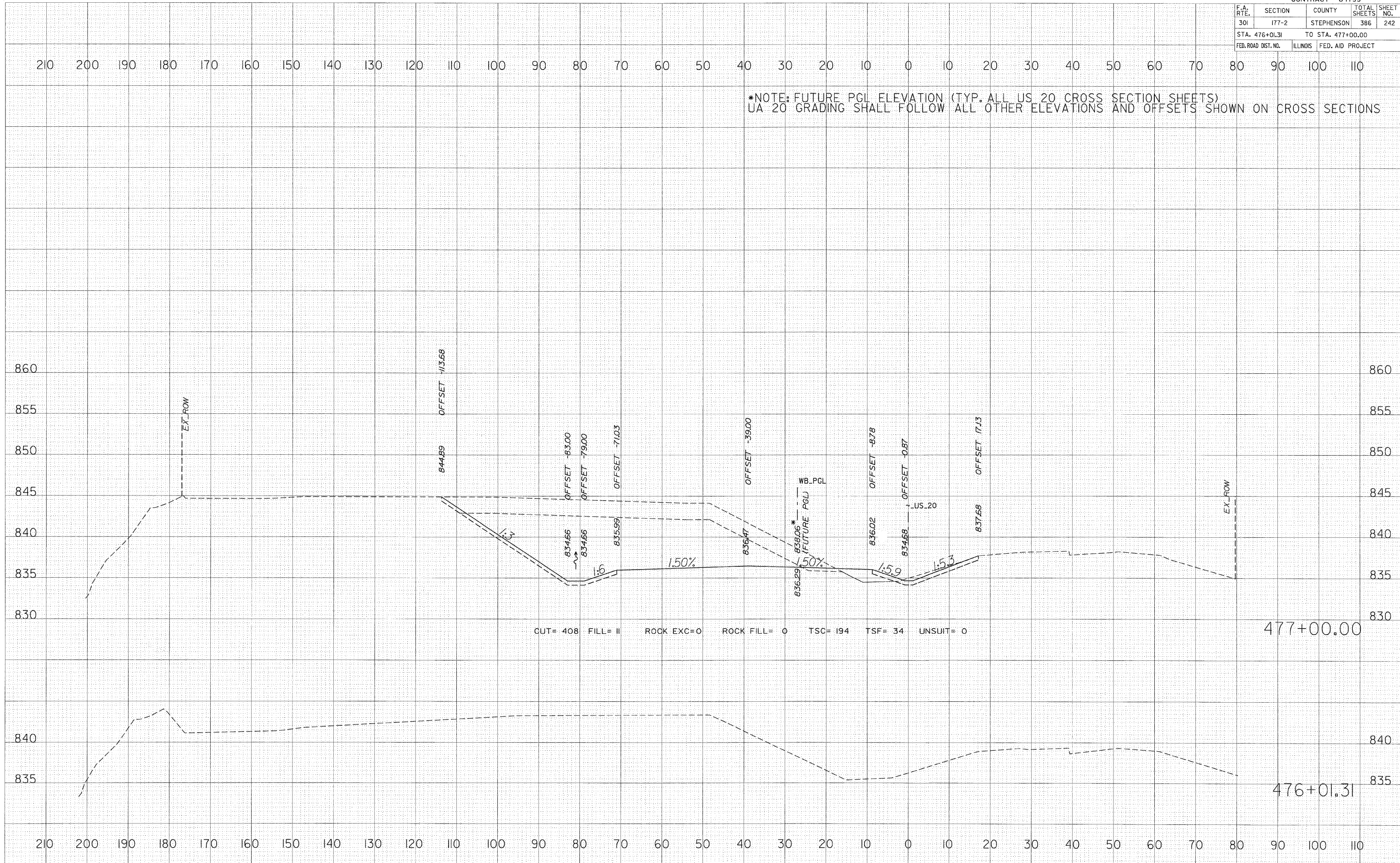
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	242
STA. 476+01.31		TO STA. 477+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*NOTE: FUTURE PGL ELEVATION (TYP. ALL US 20 CROSS SECTION SHEETS)
 UA 20 GRADING SHALL FOLLOW ALL OTHER ELEVATIONS AND OFFSETS SHOWN ON CROSS SECTIONS

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

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

PLOT DATE = 3/11/2010
 FILE NAME = 01LEL1
 USER NAME = BUBERN



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	243
STA. 478+00.00		TO STA. 479+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

BY	DATE

FINAL SURVEY	SURVEYED	PLOTTED	DATE

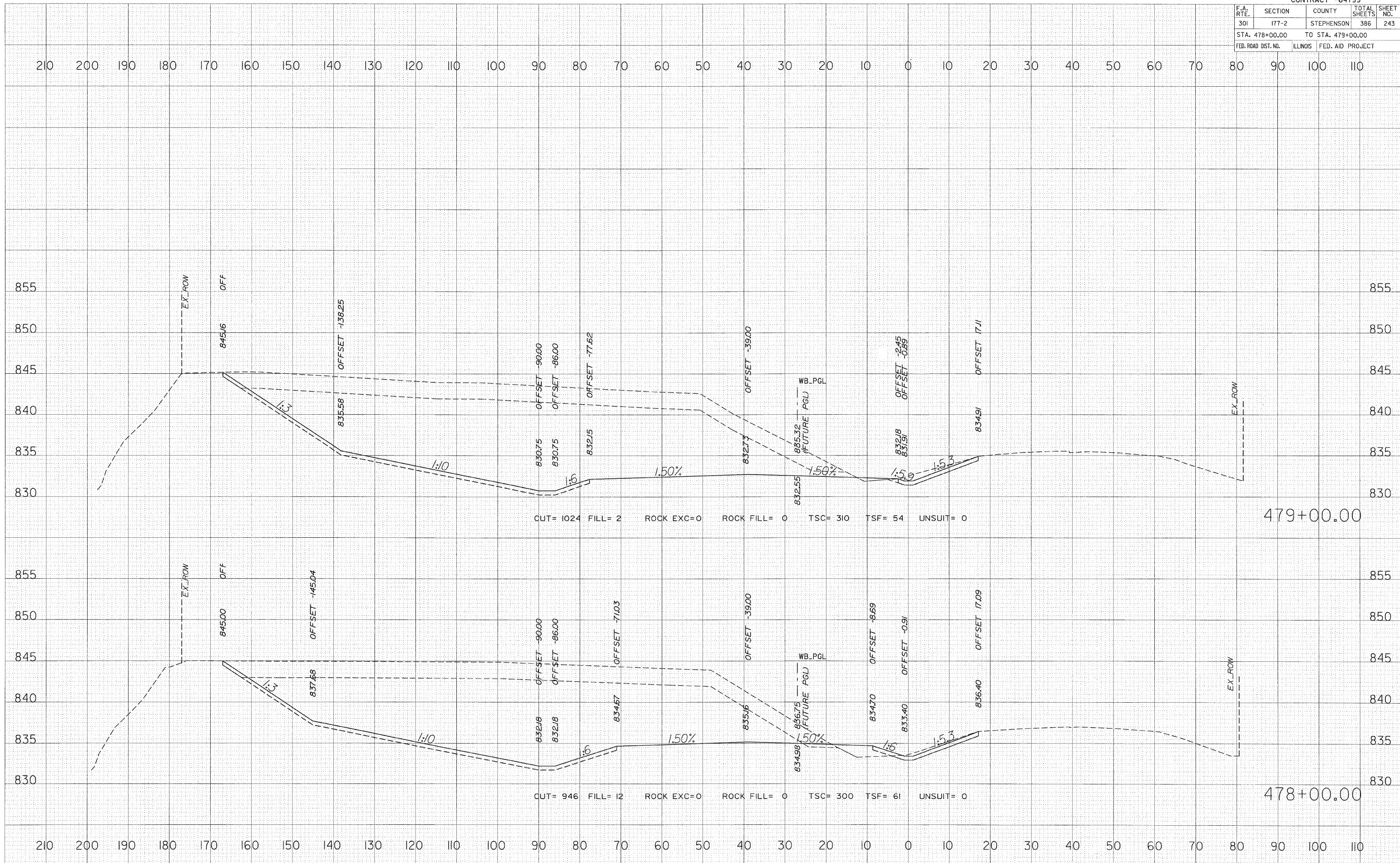
NO.	NOTE BOOK	TEMPLATE	AREAS CHECKED

BY	DATE

ORIGINAL SURVEY	SURVEYED	PLOTTED	DATE

NO.	NOTE BOOK	TEMPLATE	AREAS CHECKED

PLOT DATE = 2/11/2010
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 FILE NO. = 100
 USER NAME = BUSER

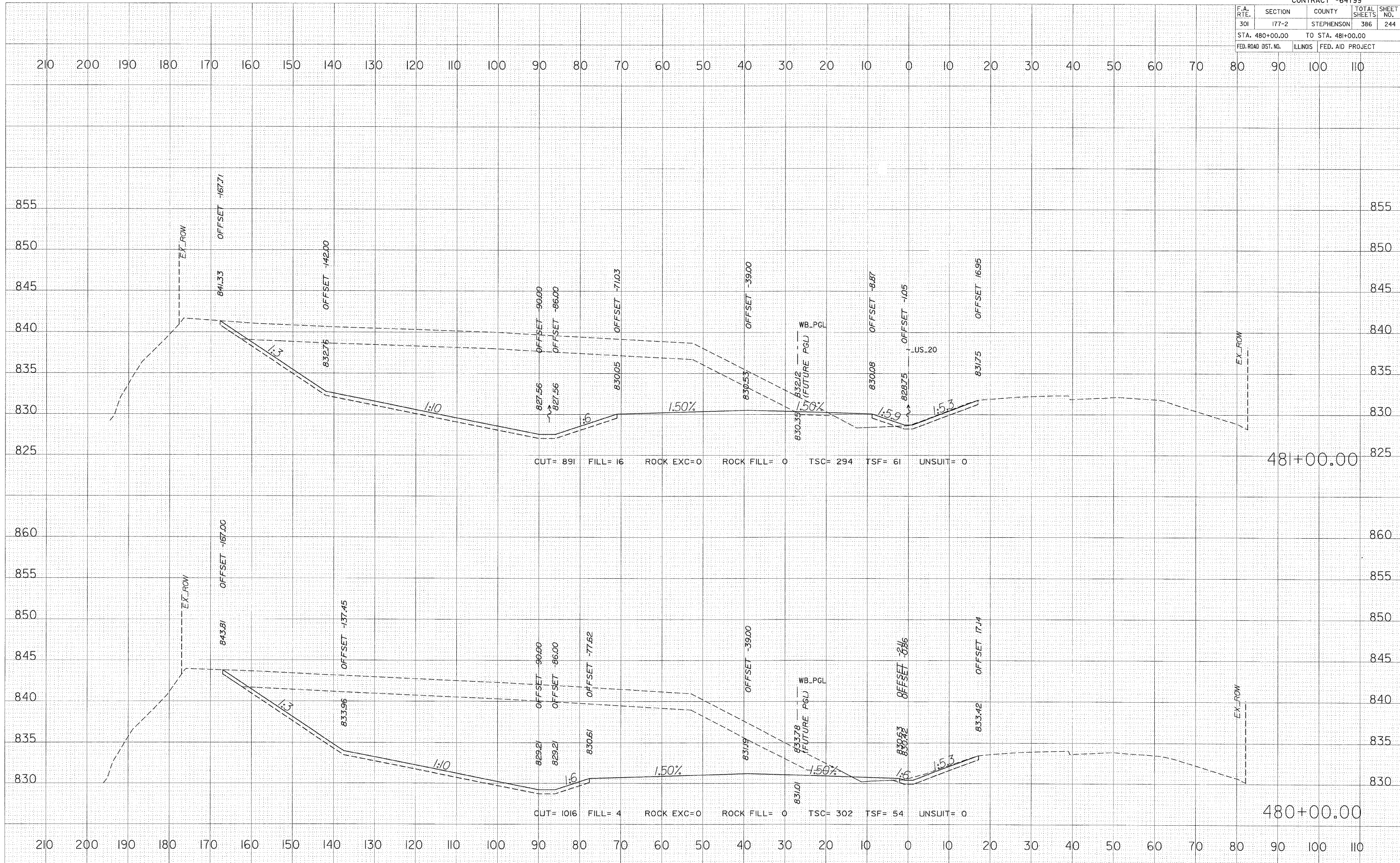


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	244
STA. 480+00.00		TO STA. 481+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

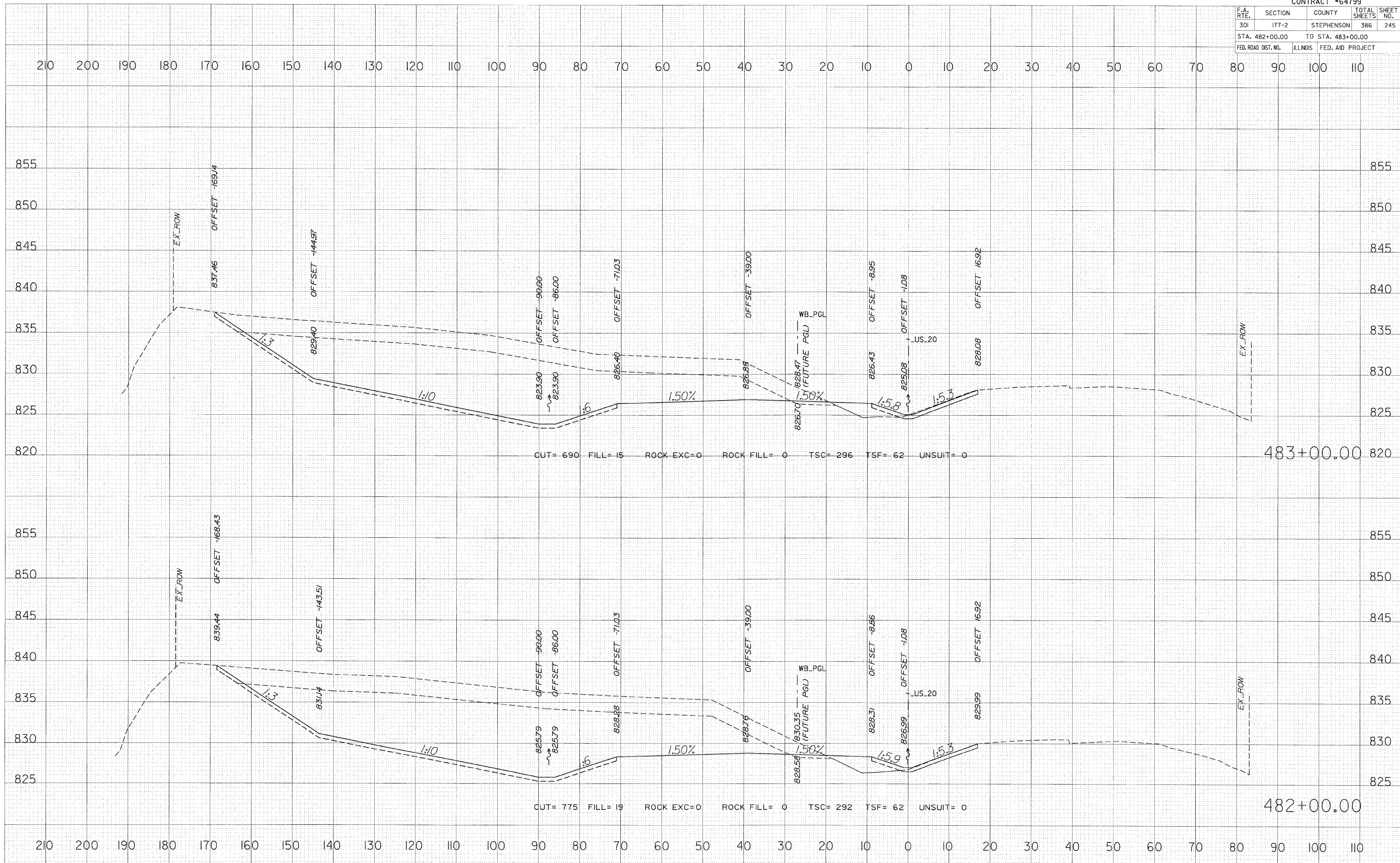
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BY	
FINAL SURVEY	
TEMPLATES	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
TEMPLATES	
AREAS CHECKED	
NO.	

PLOT DATE = 3/11/2010
 FILE NAME = BFILE1
 USER NAME = BUSER



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	245
STA. 482+00.00		TO STA. 483+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

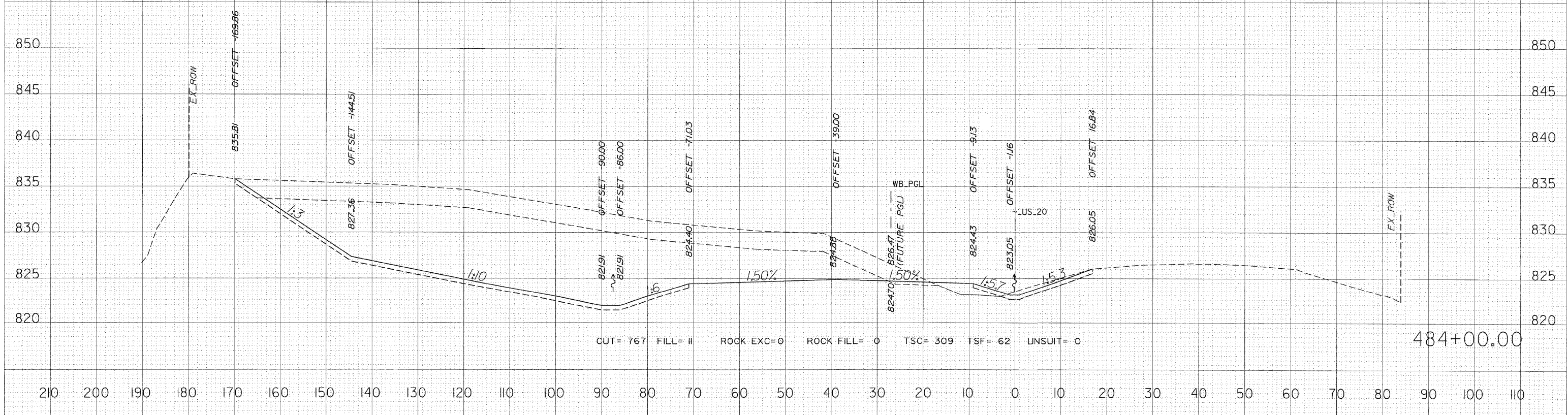
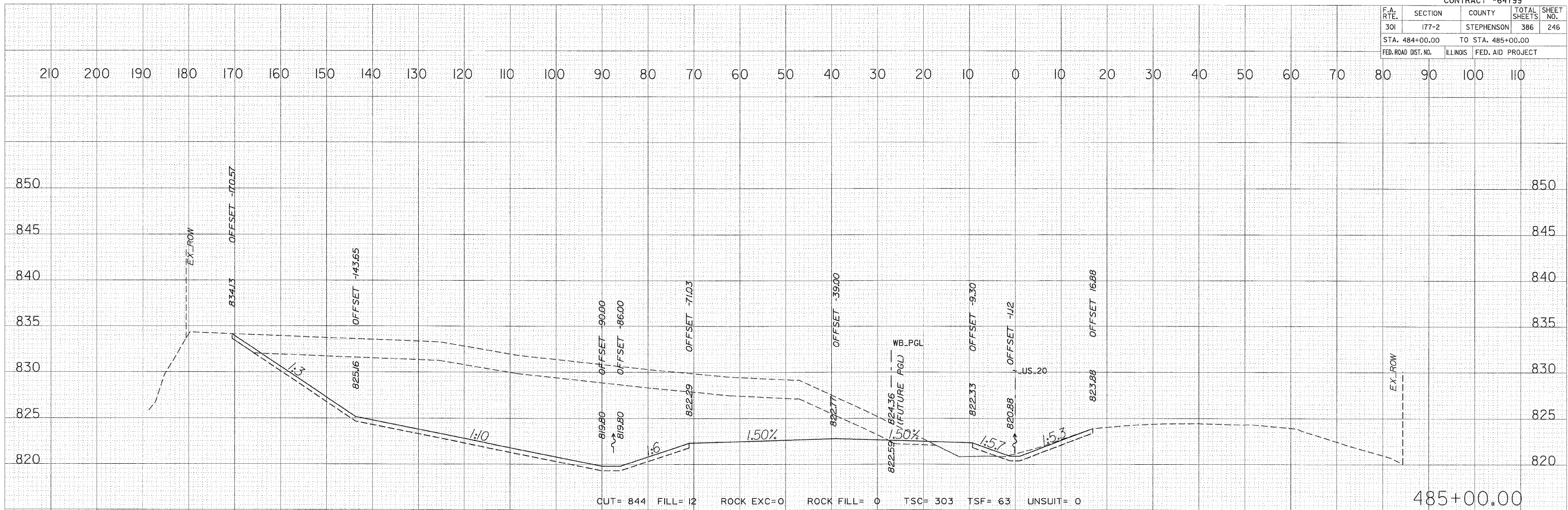


FINAL SURVEY	SURVEYED	BY	DATE
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AREAS CHECKED	PLOTTED		
TEMPLATE			
NO.			

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

PLOT DATE = 3/11/2018
FILE NAME = 811118
DRAWING NO. = 811118
USER NAME = BUSBY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	246
STA. 484+00.00		TO STA. 485+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

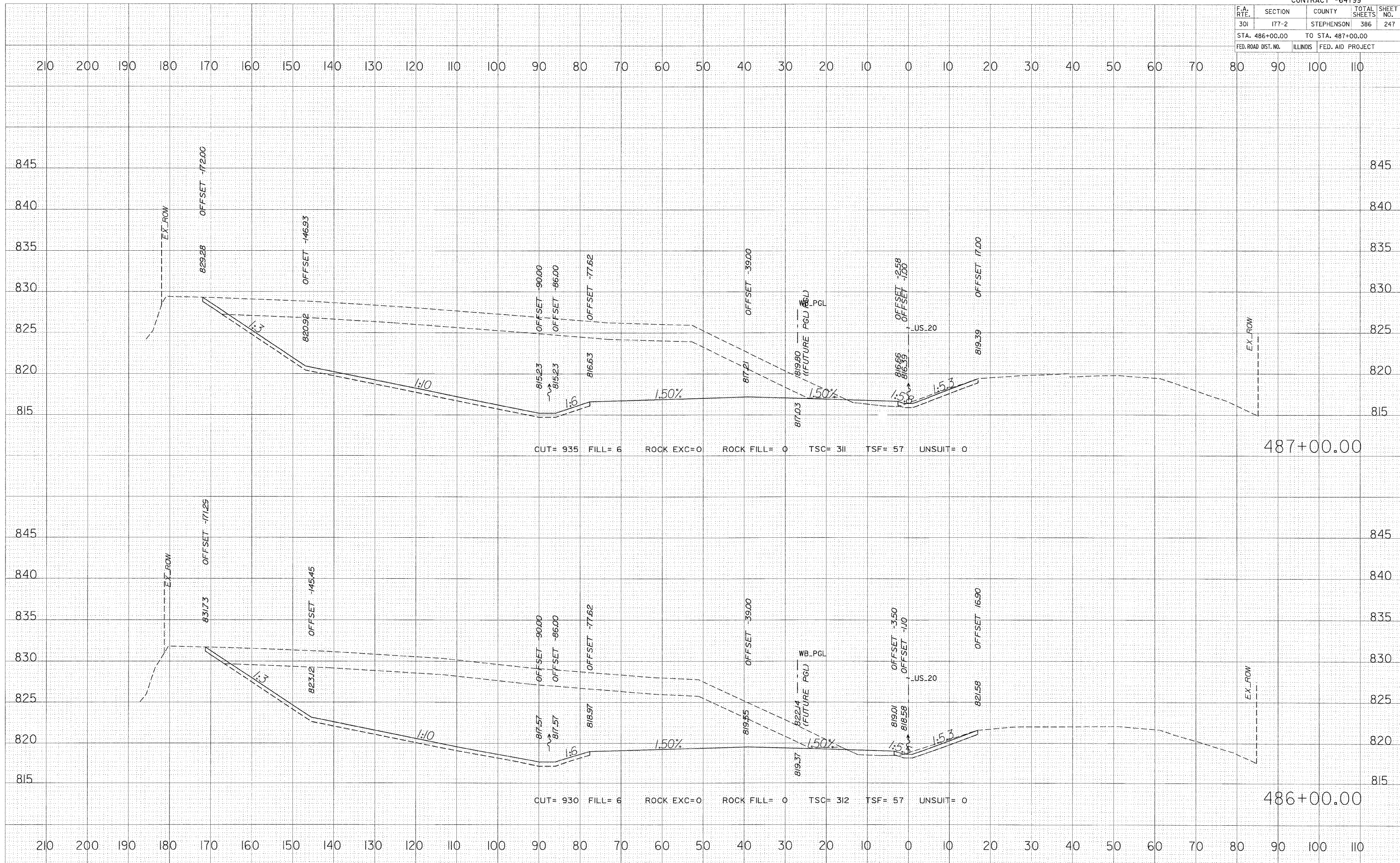


FINAL SURVEY BY DATE
 SURVEY PLOTTED
 NOTE BOOK TEMPLATE
 AREAS CHECKED
 NO.

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

PLOT DATE = 3/11/2010
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 USER NAME = #USER#

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	247
STA. 486+00.00		TO STA. 487+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY BY DATE

SURVEY NO.	DATE

NO. AREAS CHECKED

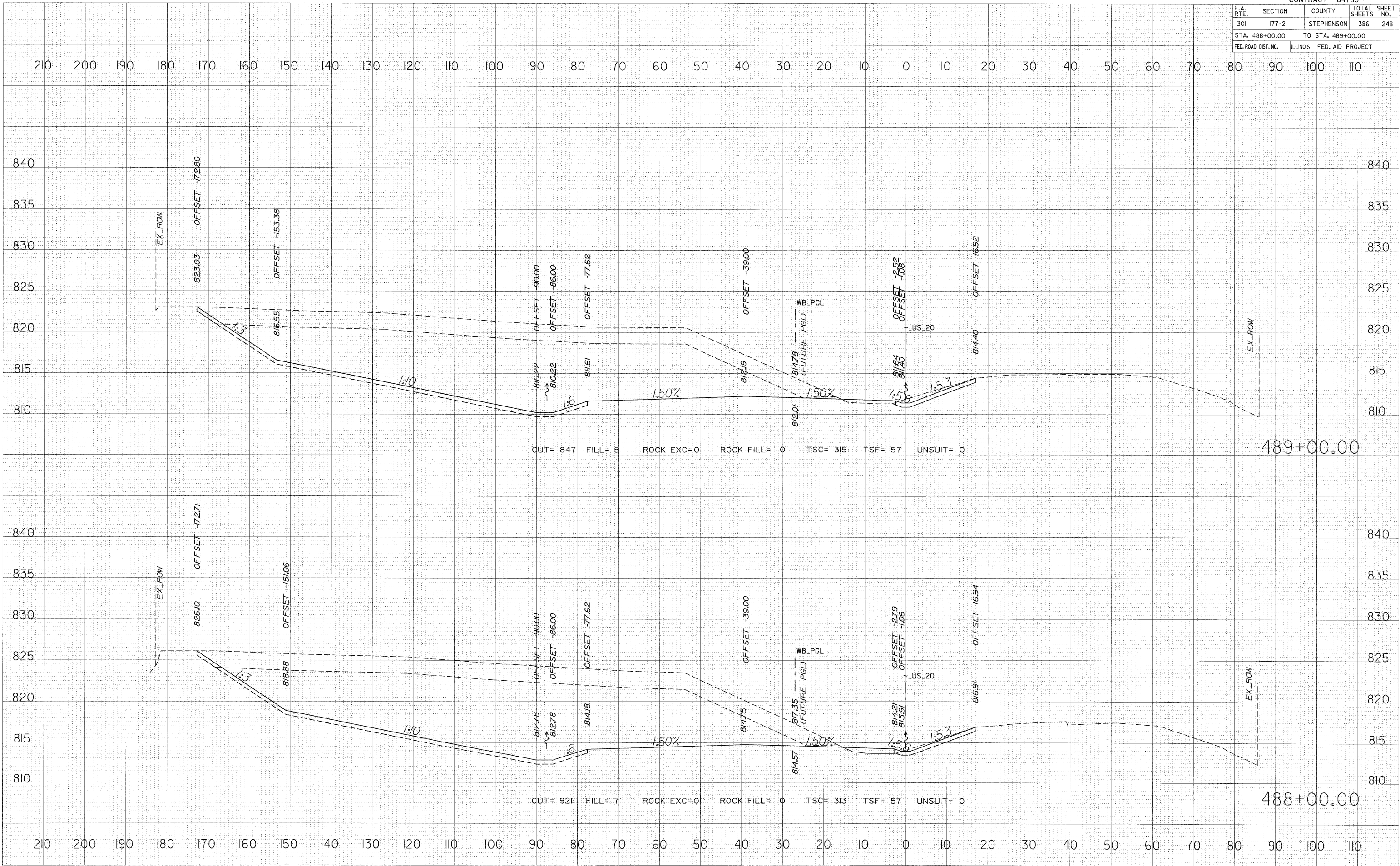
ORIGINAL SURVEY BY DATE

SURVEY NO.	DATE

NO. AREAS CHECKED

PLOT DATE = 3/11/2010
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	248
STA. 488+00.00		TO STA. 489+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY

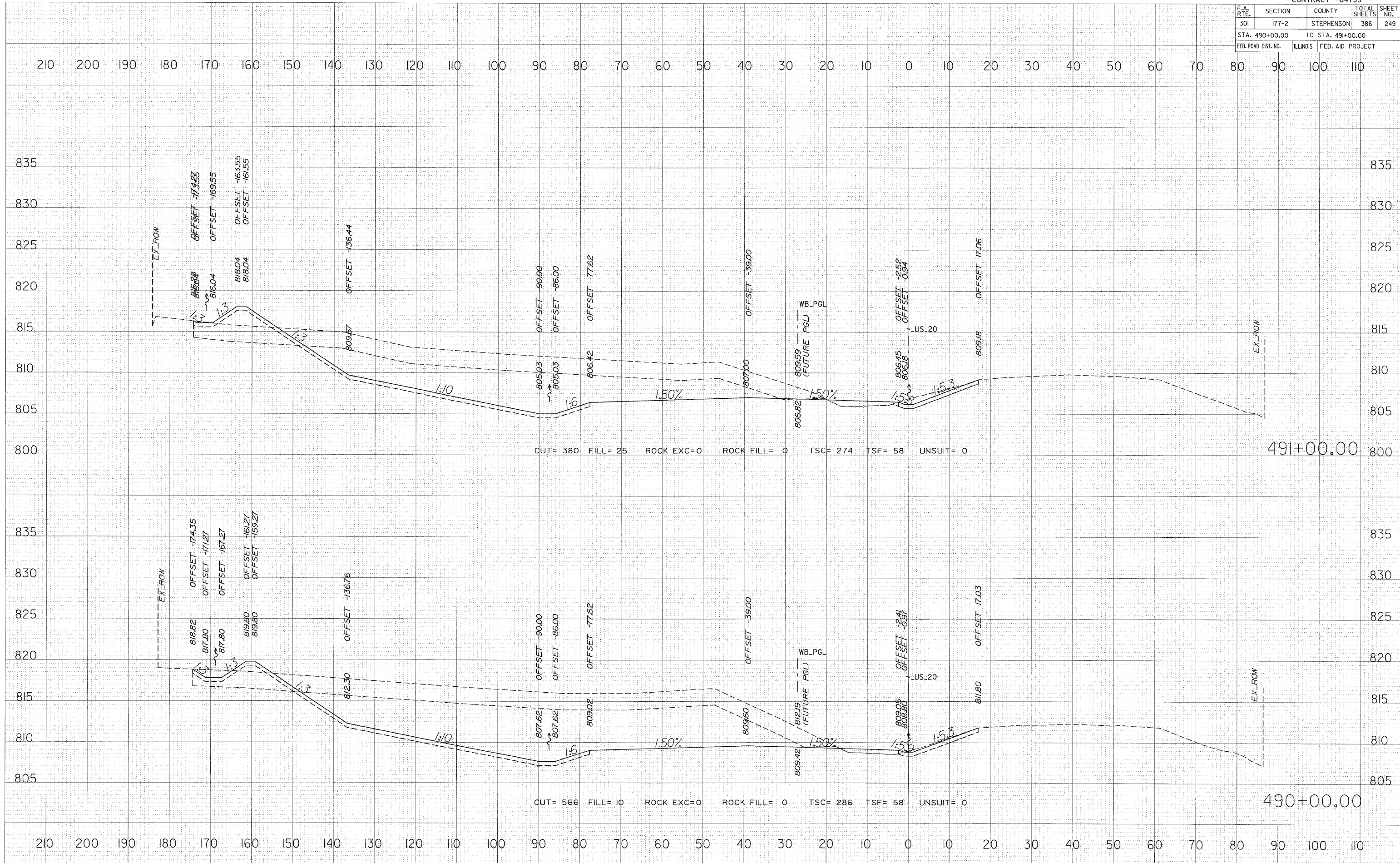
SURVEYED	DATE
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

ORIGINAL SURVEY

SURVEYED	DATE
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

PLOT DATE = 3/11/2010
 FILE NAME = 0FILEL9
 USER NAME = 0USER

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	249
STA. 490+00.00		TO STA. 491+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

PLOT DATE = 3/11/2010
FILE NAME = #FILE#
USER NAME = #USER#

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	250
STA. 492+00.00		TO STA. 492+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

DATE	BY

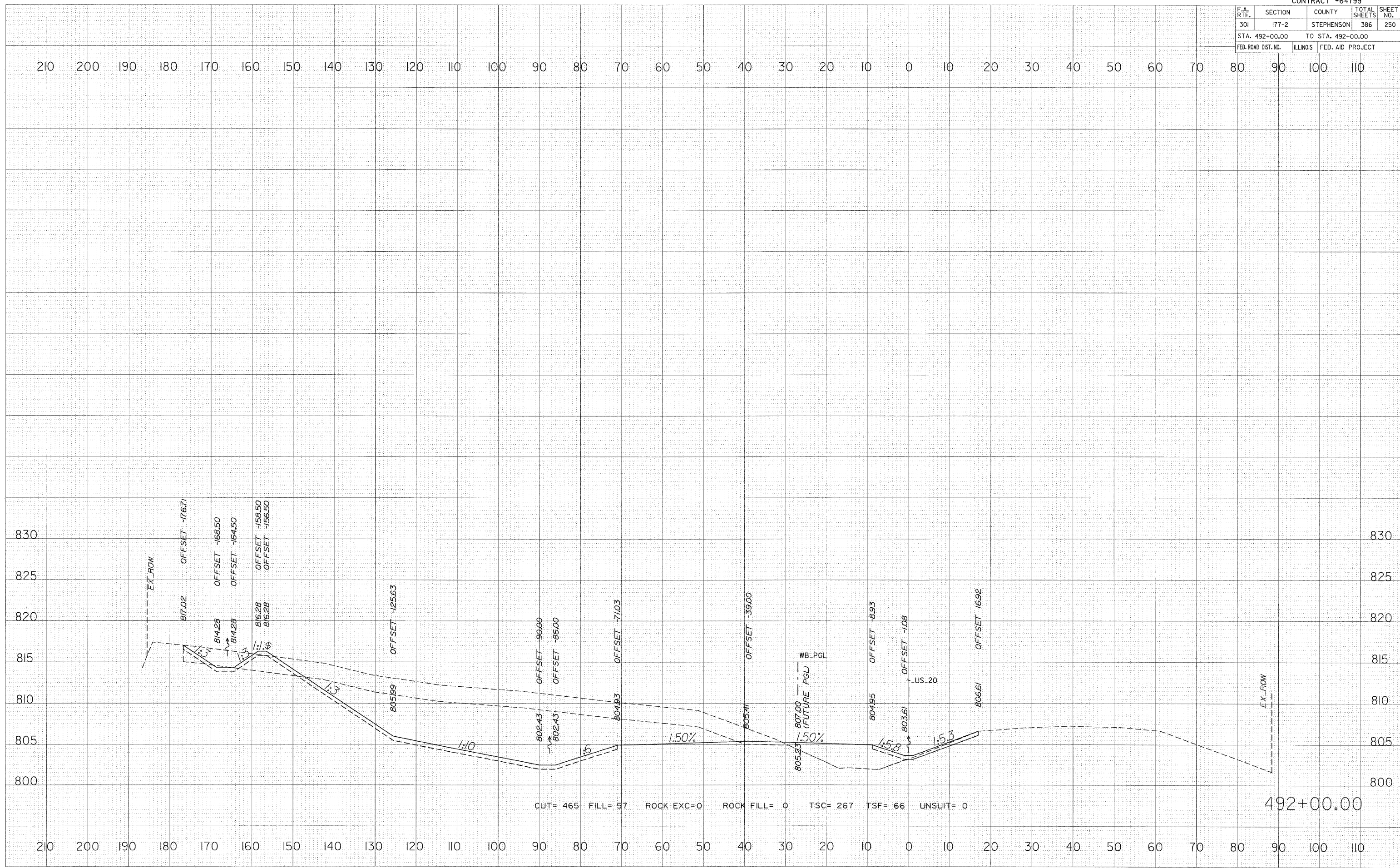
NO.	AREAS CHECKED

NO.	AREAS CHECKED

DATE	BY

NO.	AREAS CHECKED

PLOT DATE = 3/11/2010
FILE NAME = #FILE#
USER NAME = #USER#



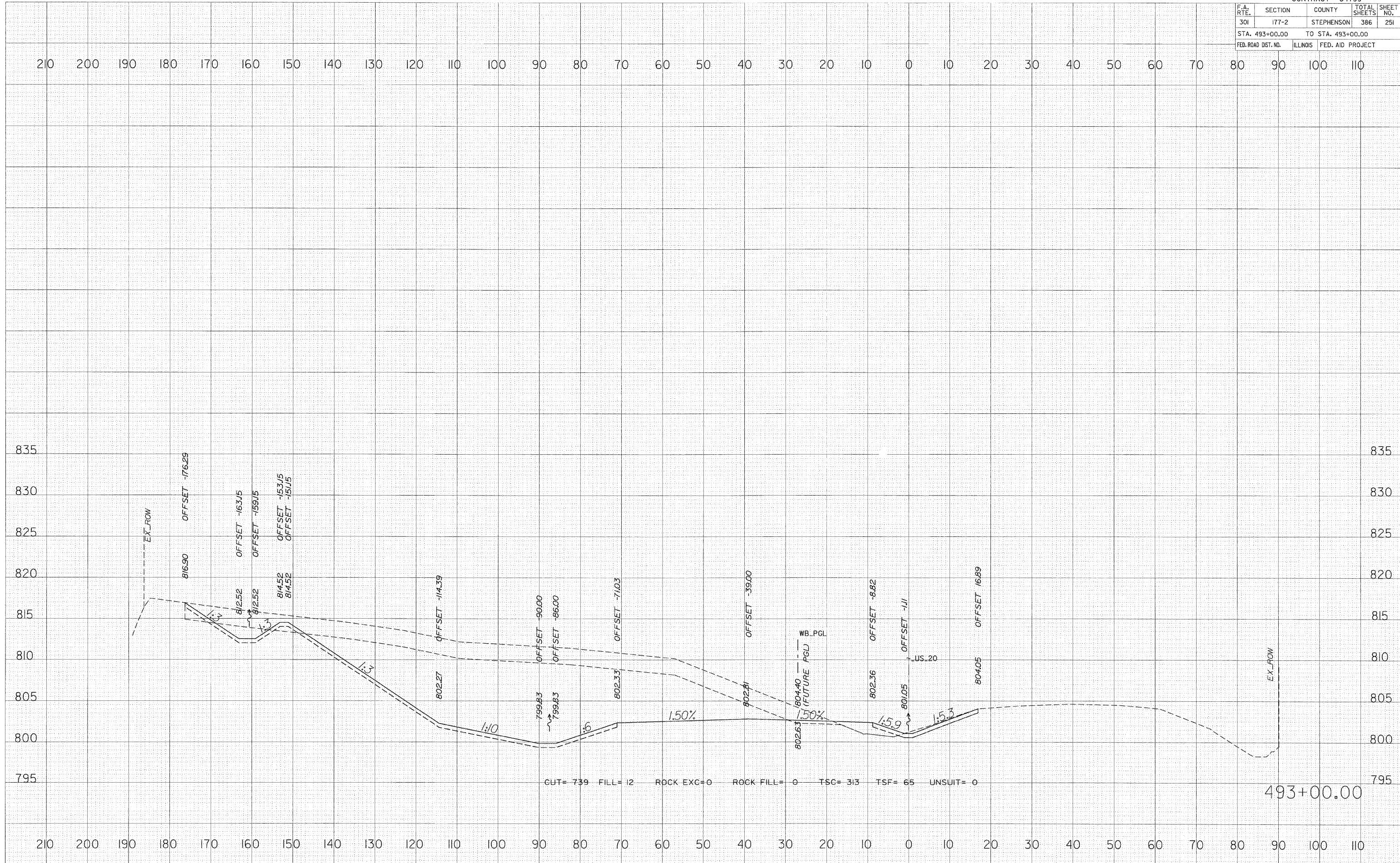
492+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	251
STA. 493+00.00		TO STA. 493+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

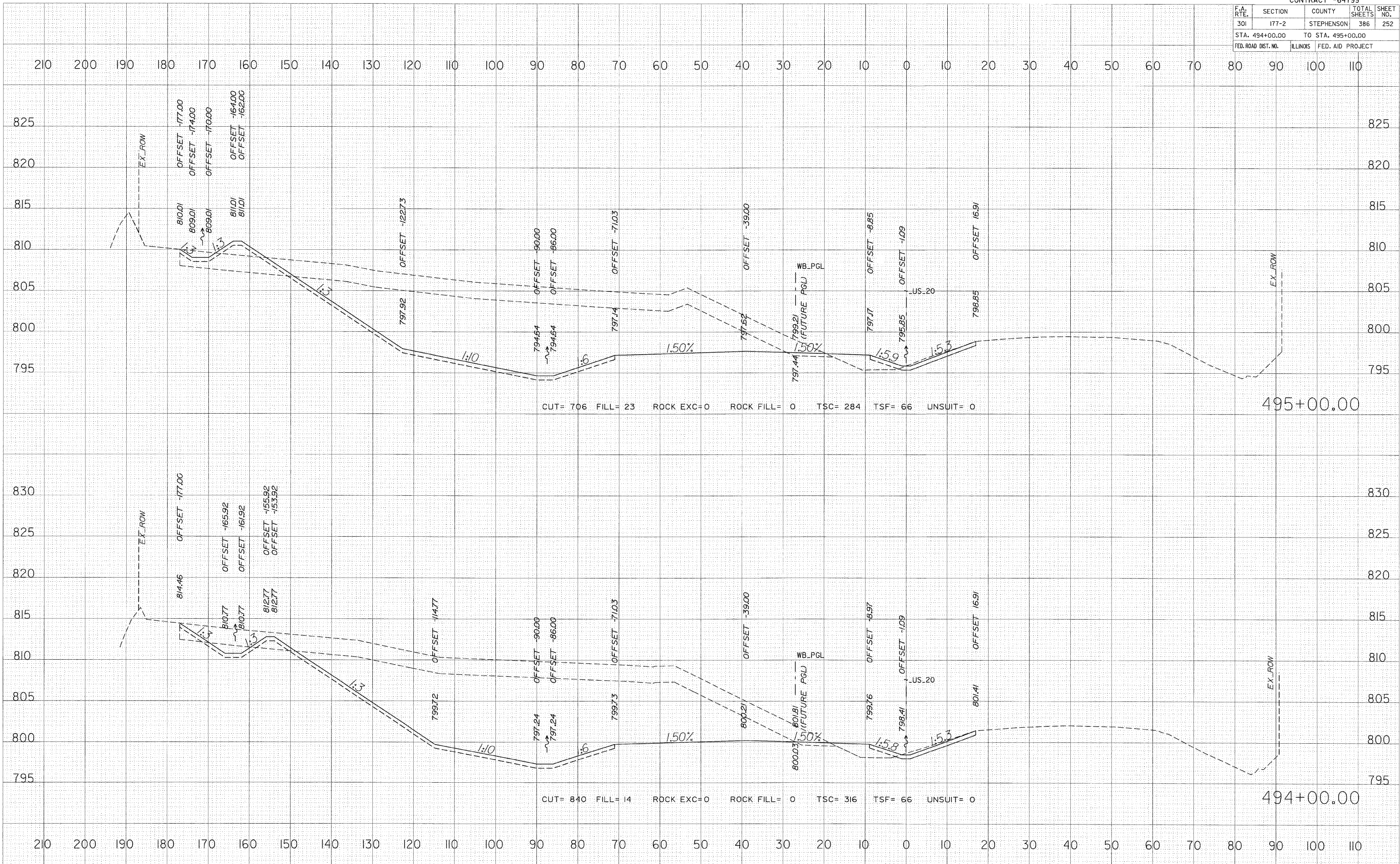
FINAL SURVEY	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	252
STA. 494+00.00		TO STA. 495+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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

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

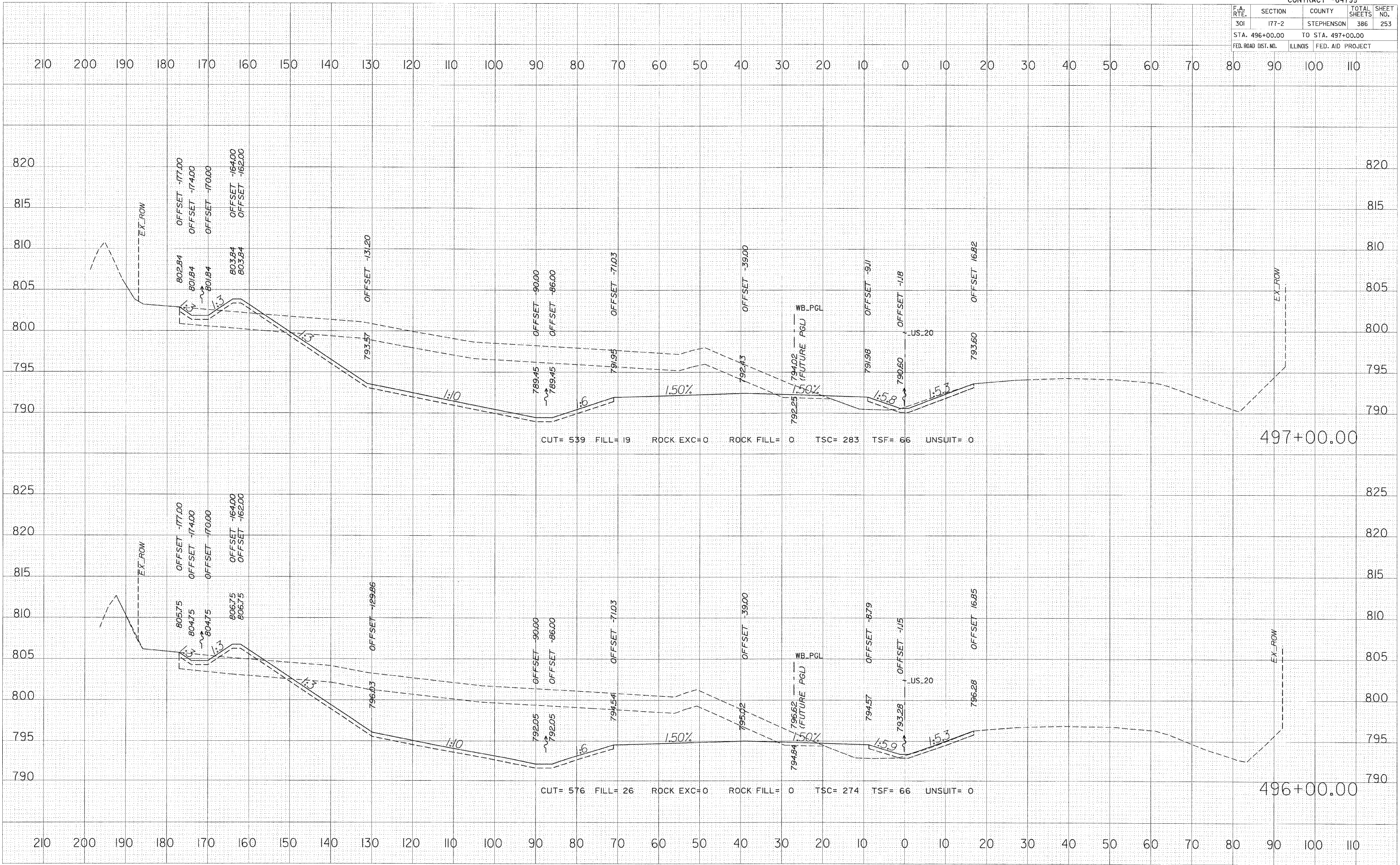
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	253
STA. 496+00.00		TO STA. 497+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TITLE	DATE
SURVEY	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

ORIGINAL	DATE
SURVEY	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

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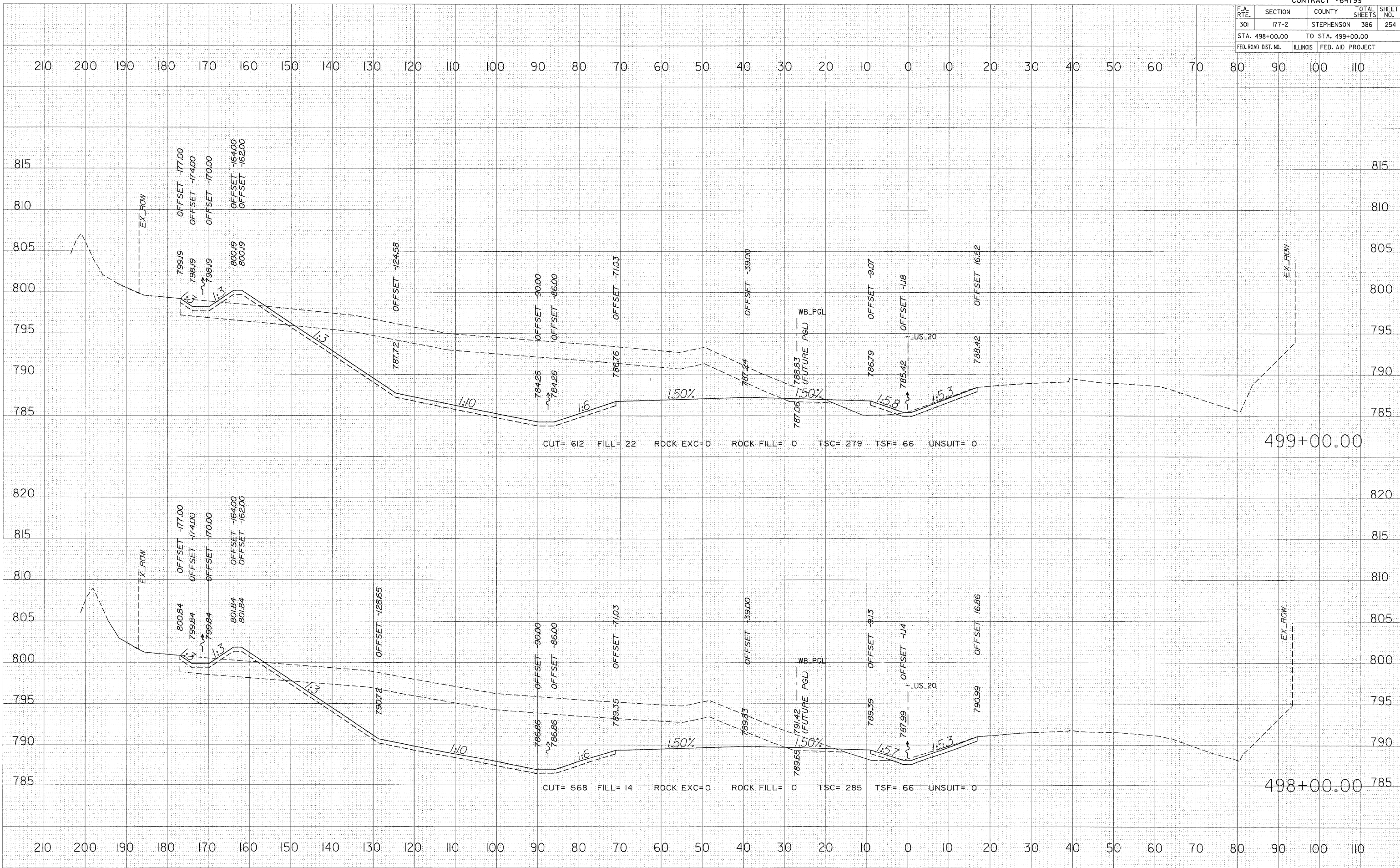


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	254
STA. 498+00.00		TO STA. 499+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	SURVEYED	DATE
NO. 10	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NO. 10	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	

PLOT DATE = 3/11/2010
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 USER NAME = MUSENB

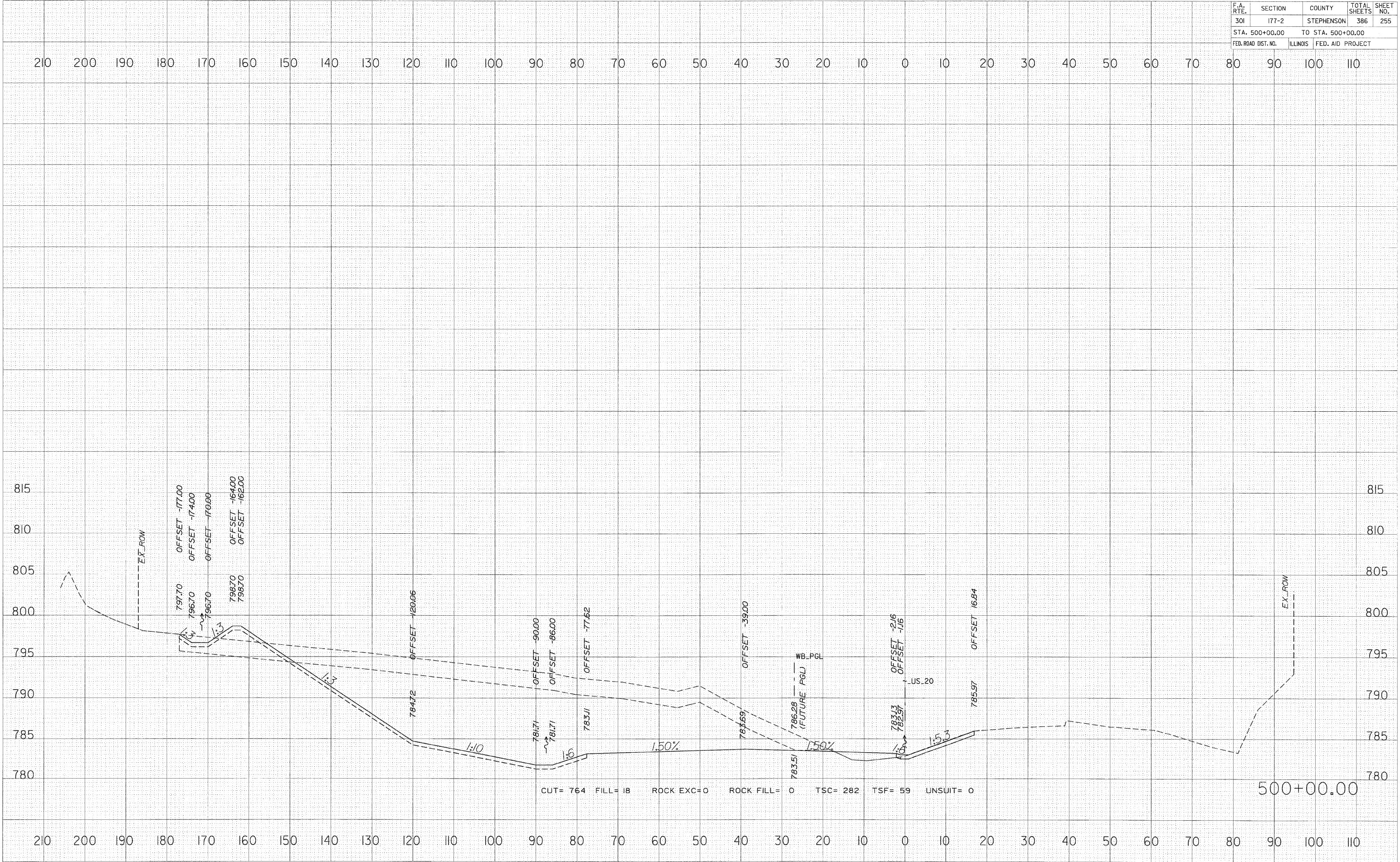


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	255
STA. 500+00.00		TO STA. 500+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

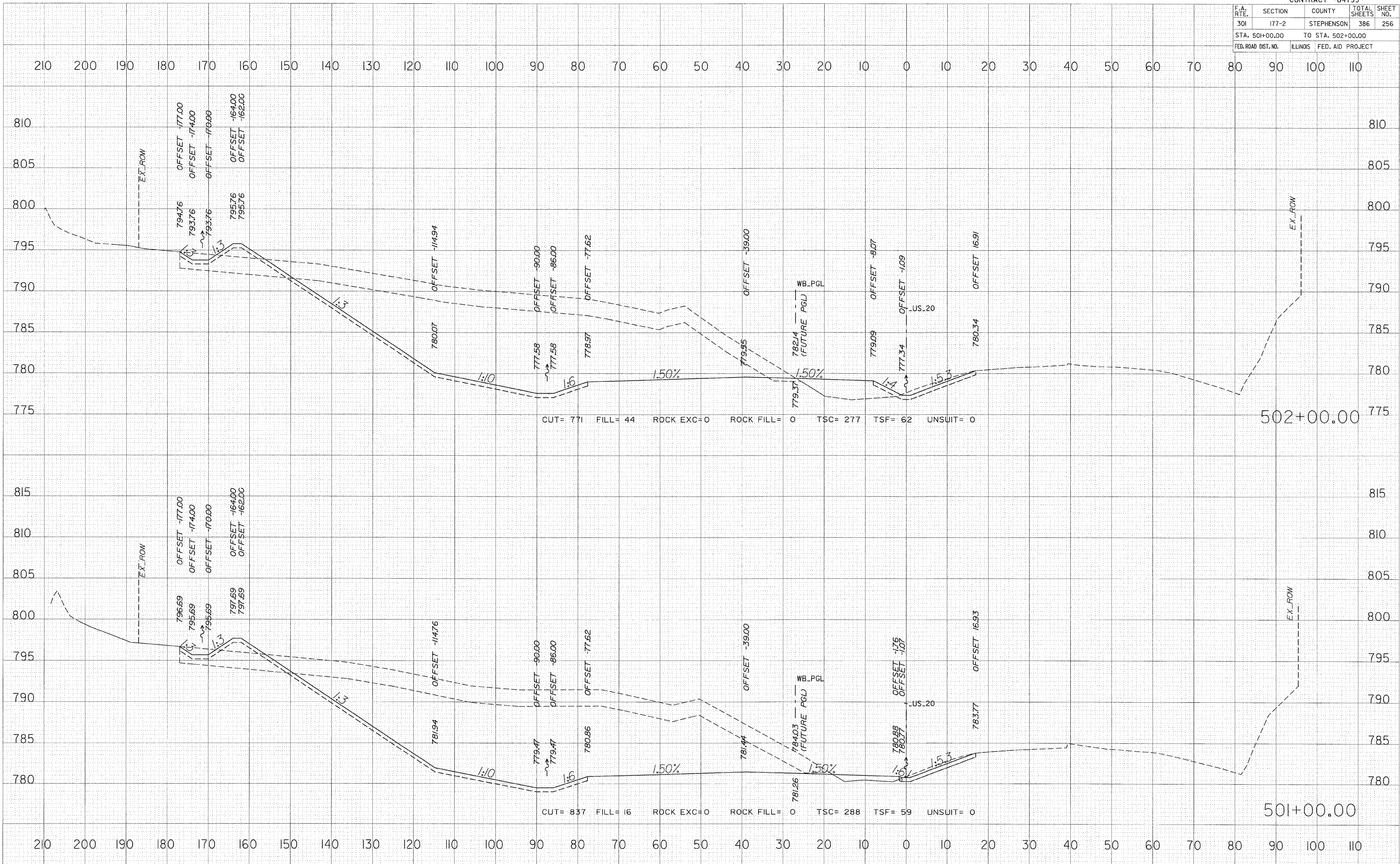
FINAL SURVEY	SURVEY	BY	DATE
NO.	NO.		

ORIGINAL SURVEY	SURVEY	BY	DATE
NO.	NO.		

PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
 USER NAME = #USER#



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	256
STA. 501+00.00 TO STA. 502+00.00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



BY	DATE

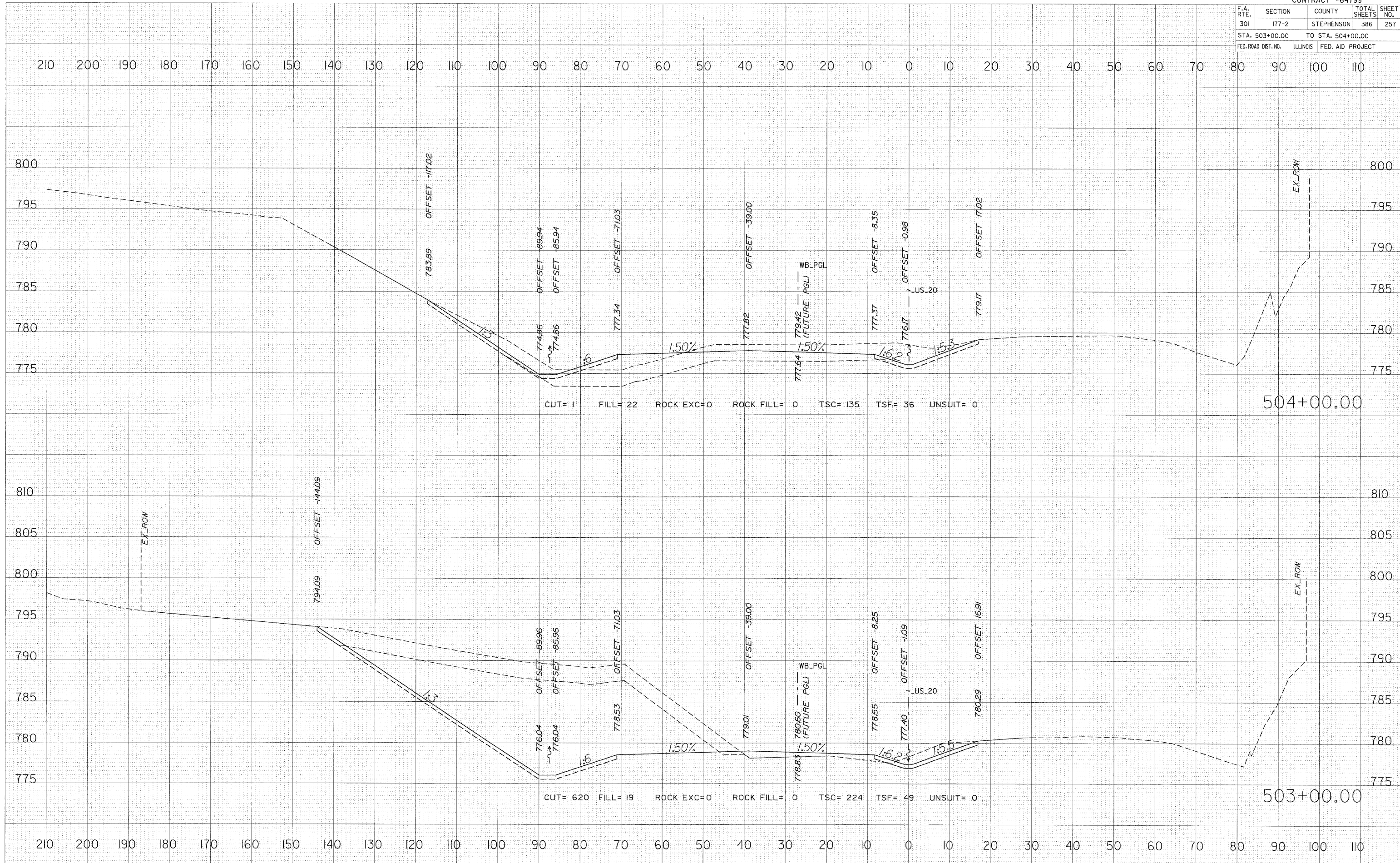
FINAL SURVEY	SURVEYED	DATE

BY	DATE

ORIGINAL SURVEY	SURVEYED	DATE

PLOT DATE = 3/11/2010
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 SCALE = AS SHOWN
 USER NAME = JGB/STW

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	257
STA. 503+00.00		TO STA. 504+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

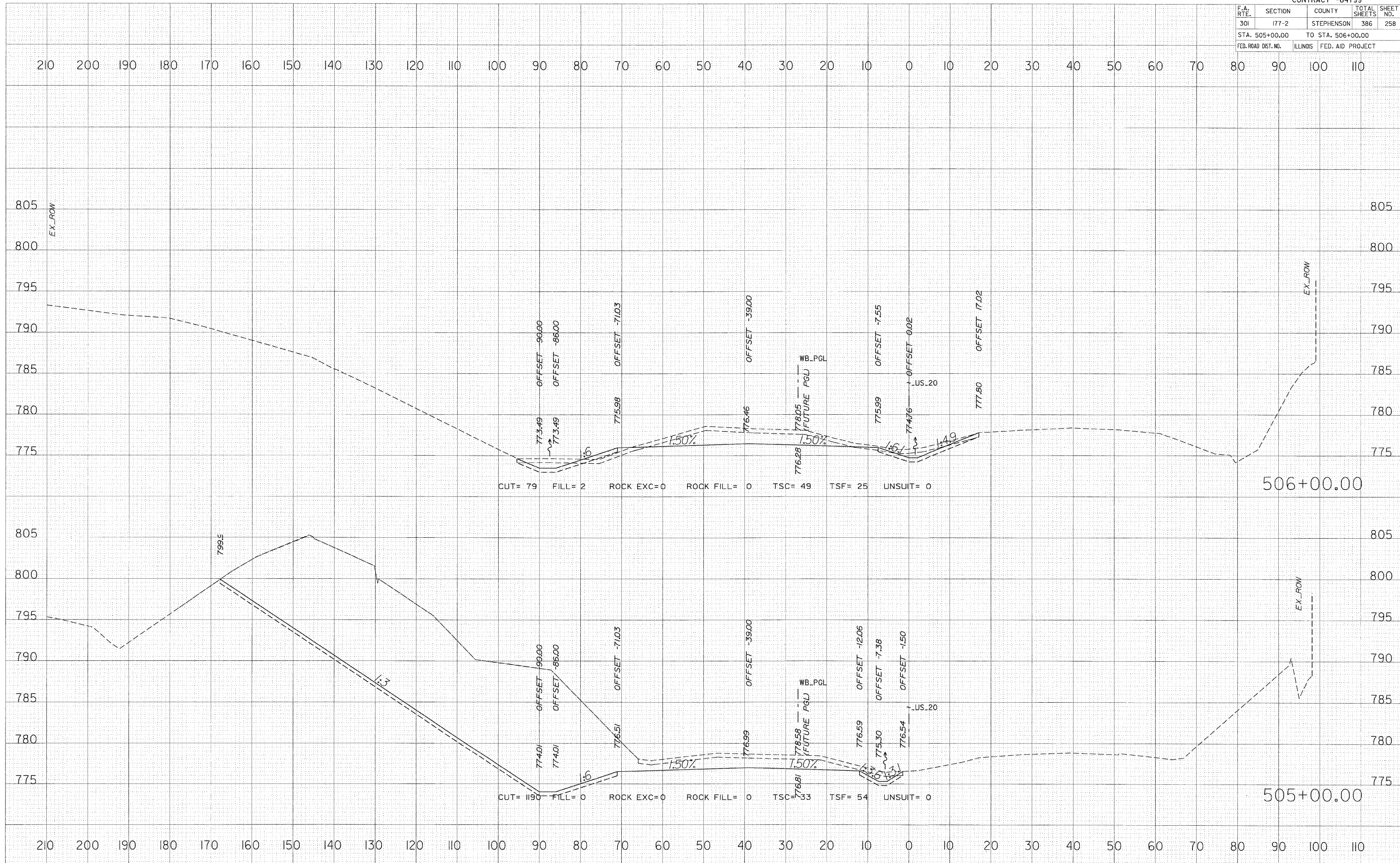
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	258
STA. 505+00.00		TO STA. 506+00.00		
ILLINOIS		FED. AID PROJECT		

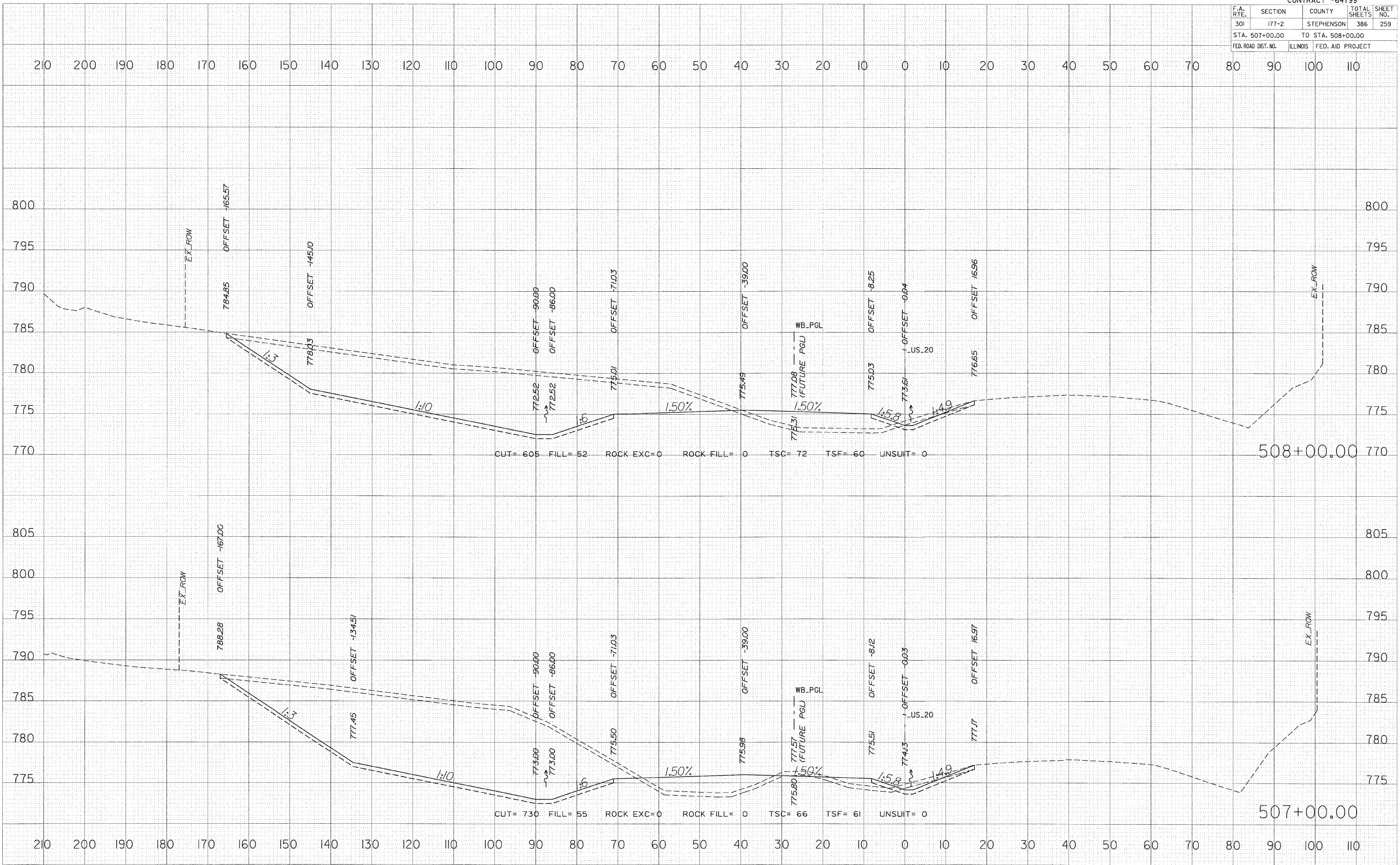
FINAL SURVEY	SURVEY	BY	DATE
NO.	NO.		
NO.	NO.		
NO.	NO.		

ORIGINAL SURVEY	SURVEY	BY	DATE
NO.	NO.		
NO.	NO.		
NO.	NO.		

PLOT DATE = 3/1/2010
 FILE NAME = PFILE1
 USER NAME = MUSENB



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	259
STA. 507+00.00		TO STA. 508+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



FINAL SURVEY BY DATE

SURVEY	BY	DATE
NOTE BOOK		
TEMP. PLATE		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY BY DATE

SURVEY	BY	DATE
NOTE BOOK		
TEMP. PLATE		
AREAS CHECKED		
NO.		

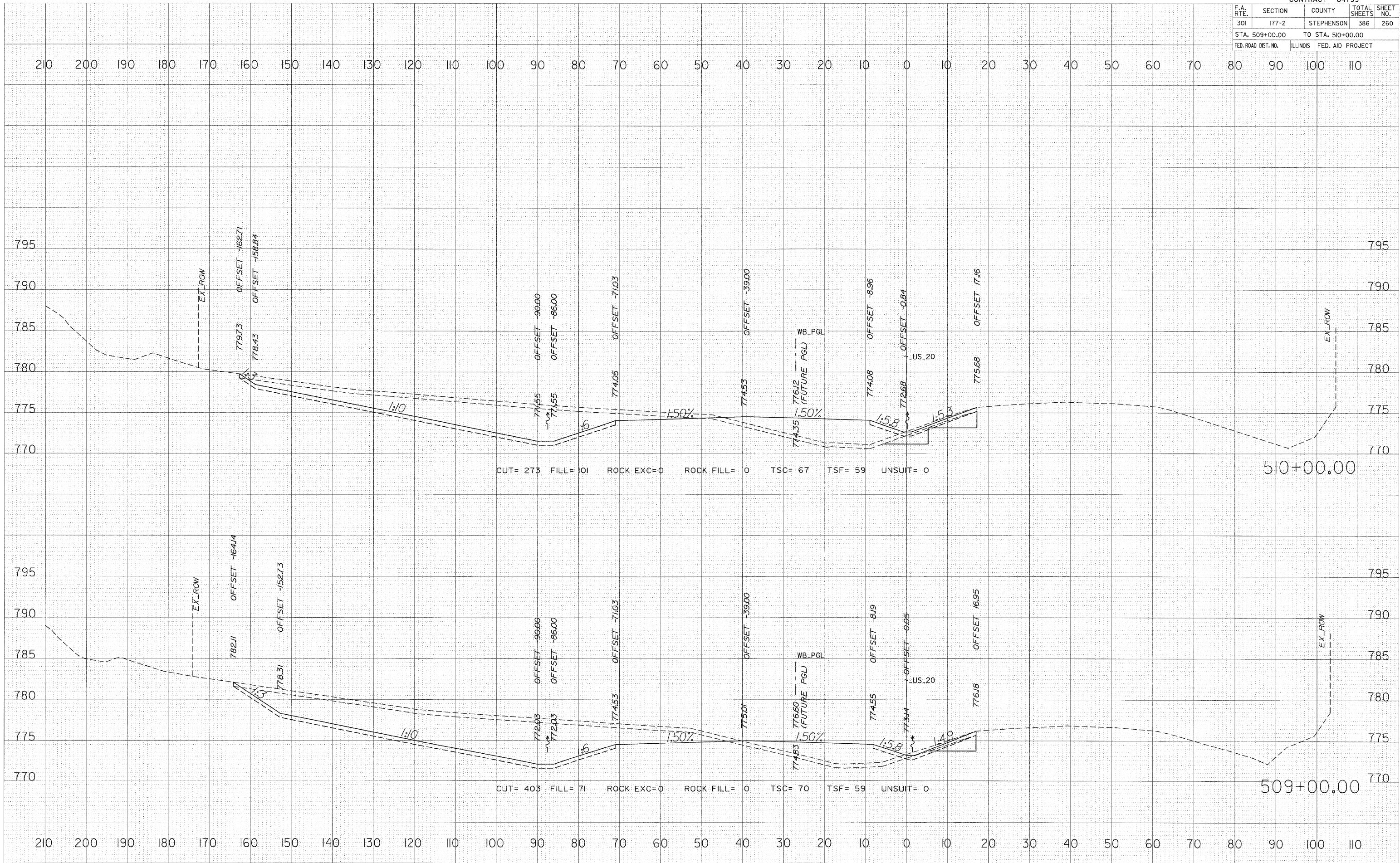
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	260
STA. 509+00.00		TO STA. 510+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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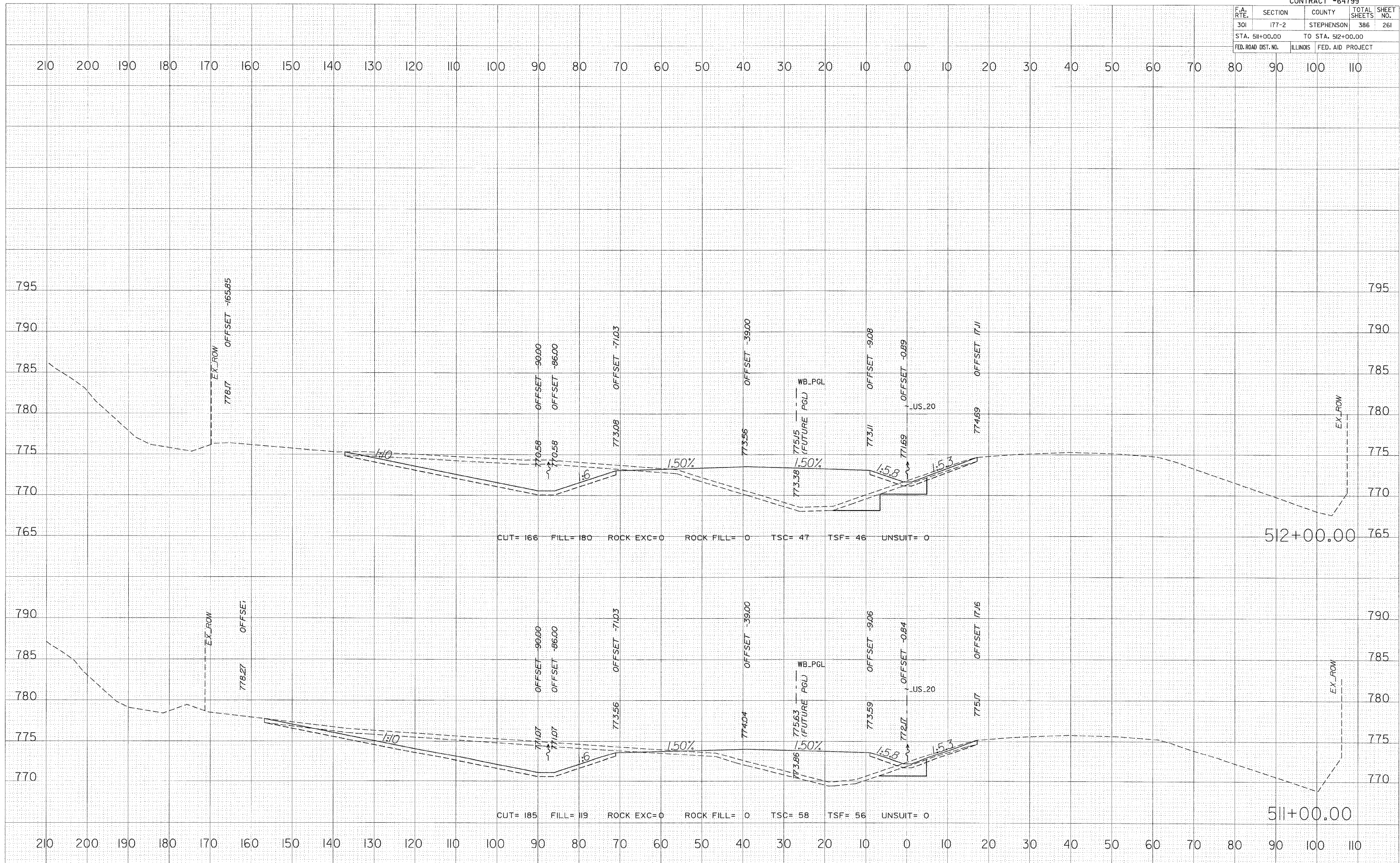


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	261
STA. 511+00.00		TO STA. 512+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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

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

PLOT DATE = 3/11/2010
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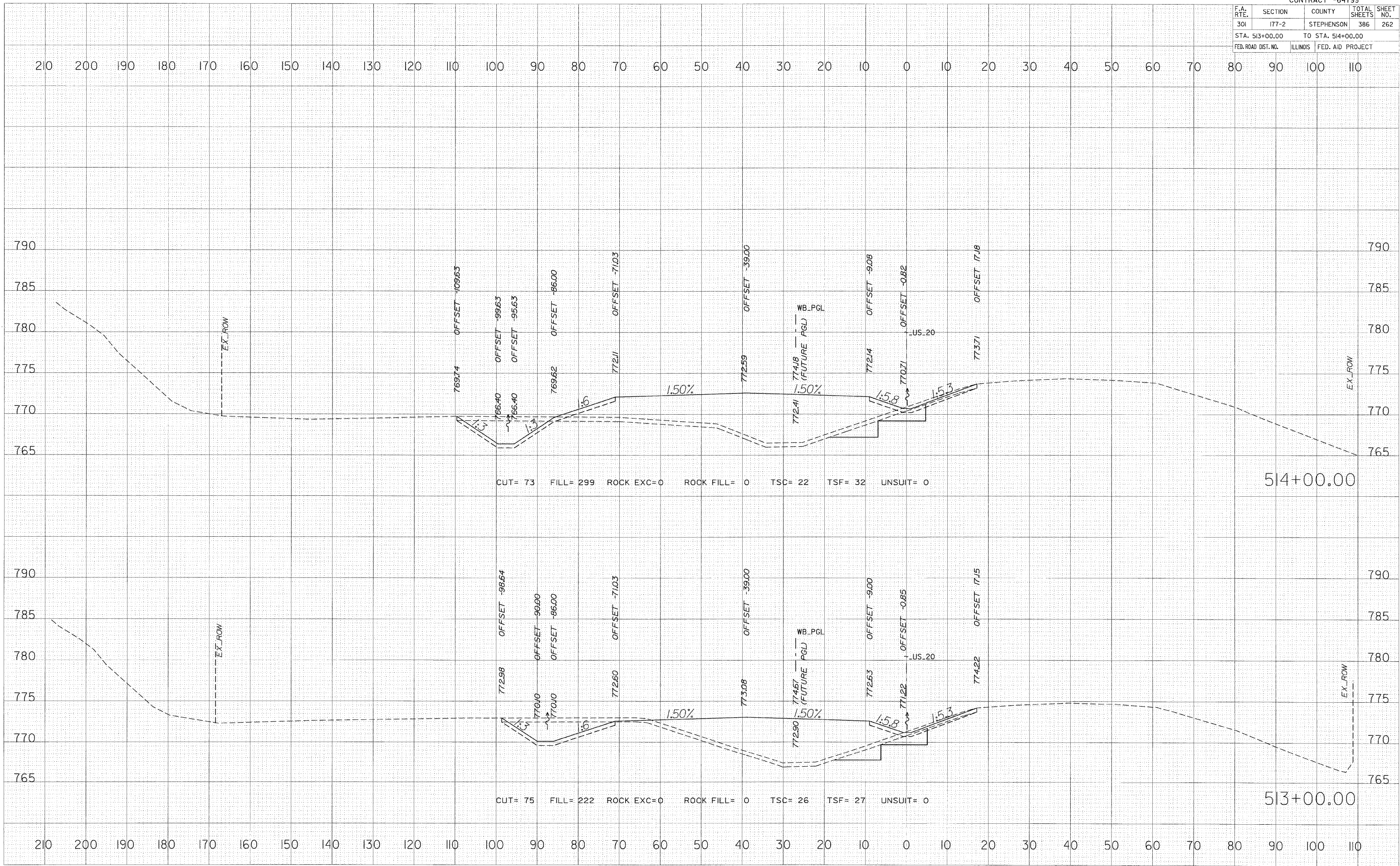


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	262
STA. 513+00.00		TO STA. 514+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

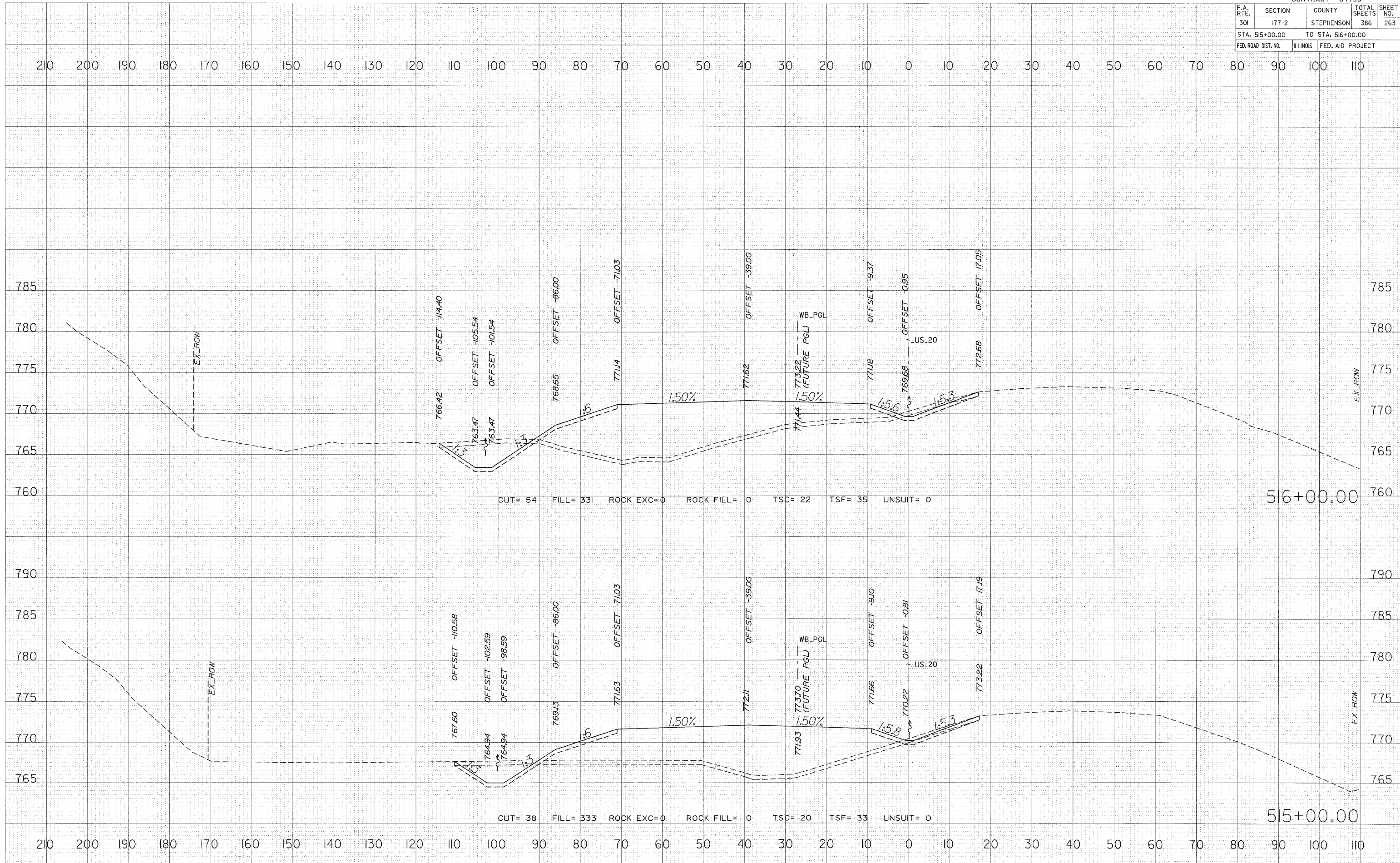
FINAL SURVEY	SURVEY	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMP. DATE		
	AREAS CHECKED		
	AREAS CHECKED		

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

PLOT DATE = 3/11/2010
 FILE NAME = #FILEL#
 PLOT SCALE = #SCALE#
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	263
STA. 515+00.00		TO STA. 516+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	

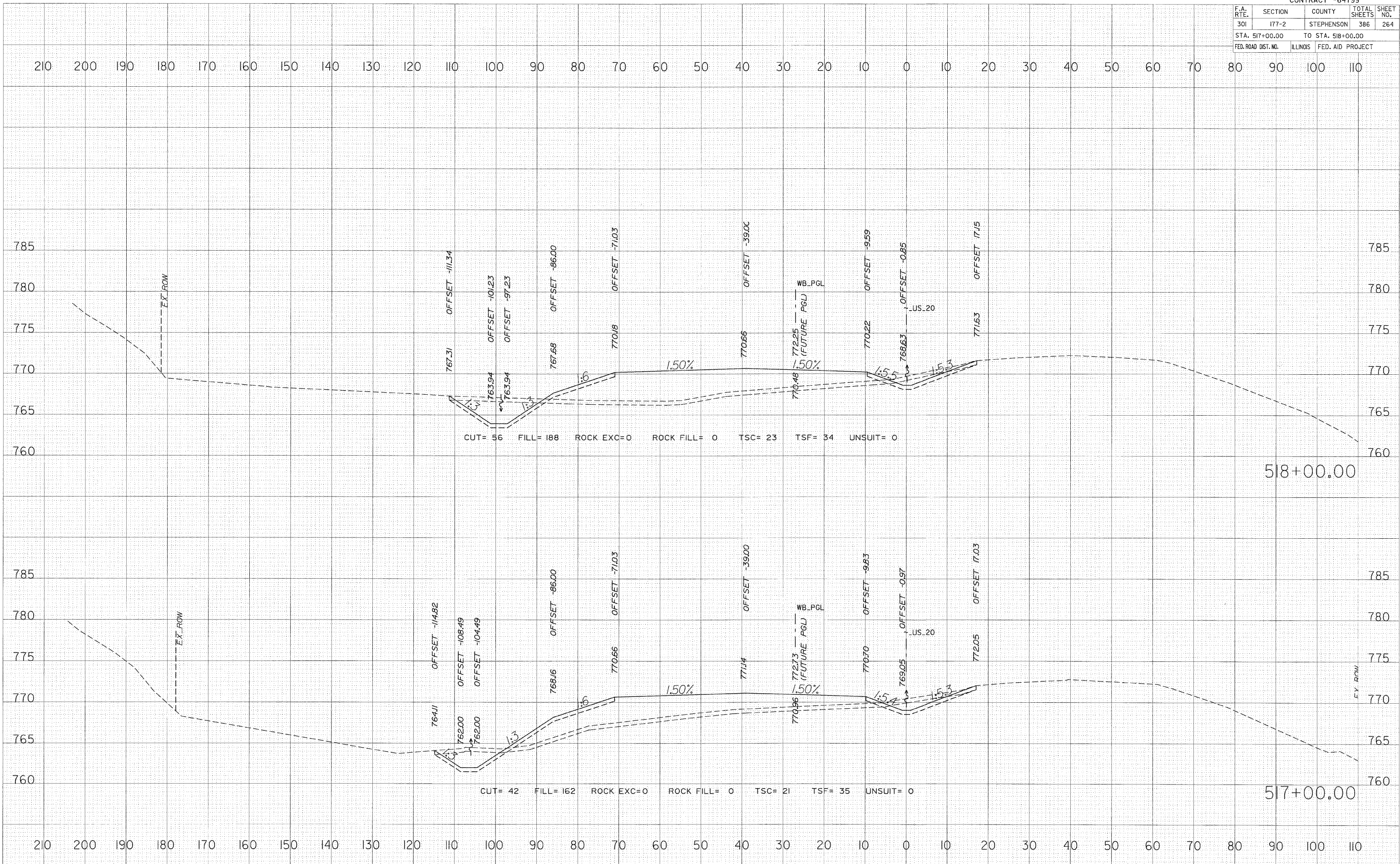
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	264
STA. 517+00.00		TO STA. 518+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
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 USER NAME = #USER#



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	265
STA. 519+00.00 TO STA. 520+00.00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

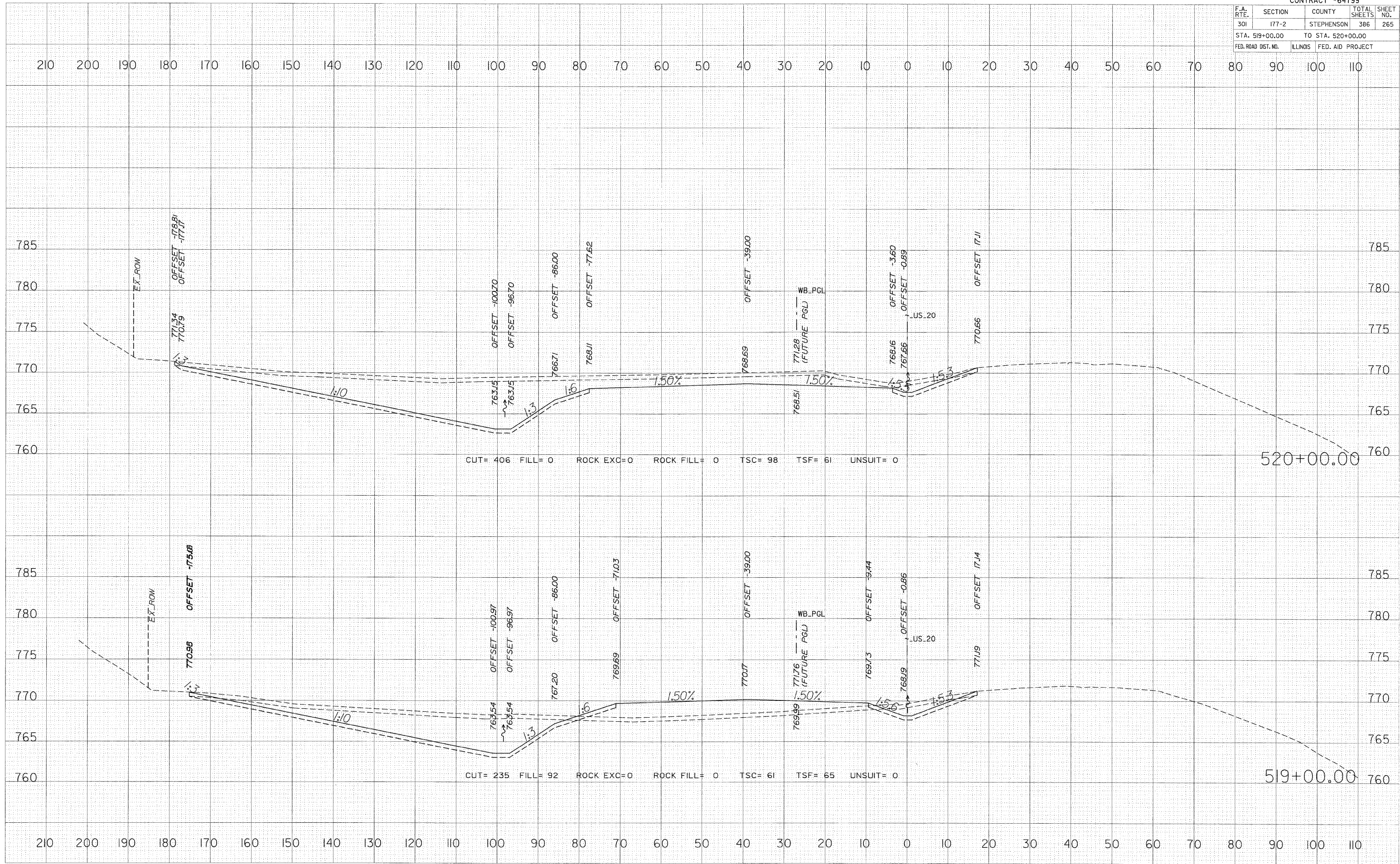
DATE	BY

NO.	AREAS CHECKED

DATE	BY

NO.	AREAS CHECKED

PLOT DATE = 3/1/2010
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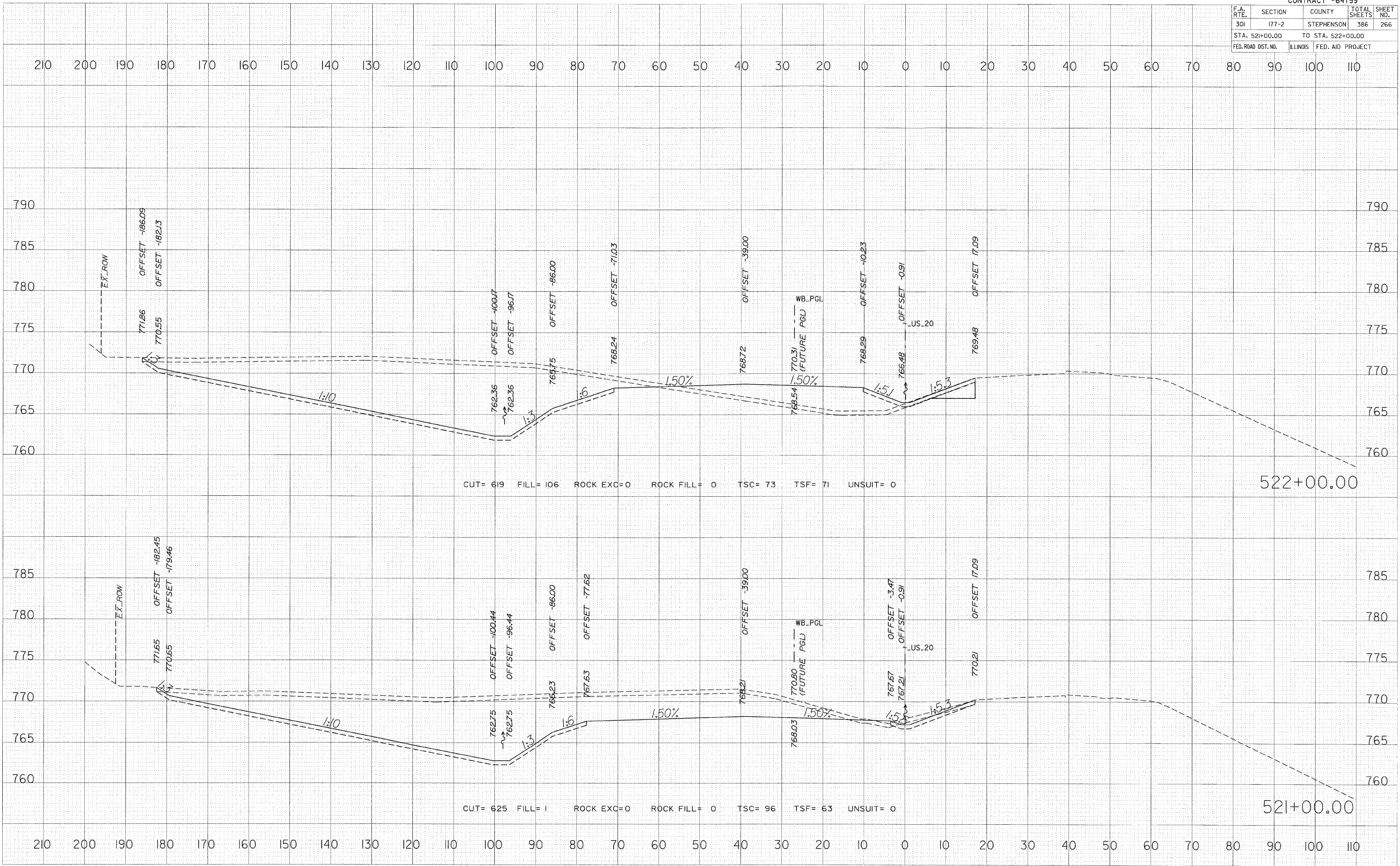


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	266
STA. 521+00.00		TO STA. 522+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

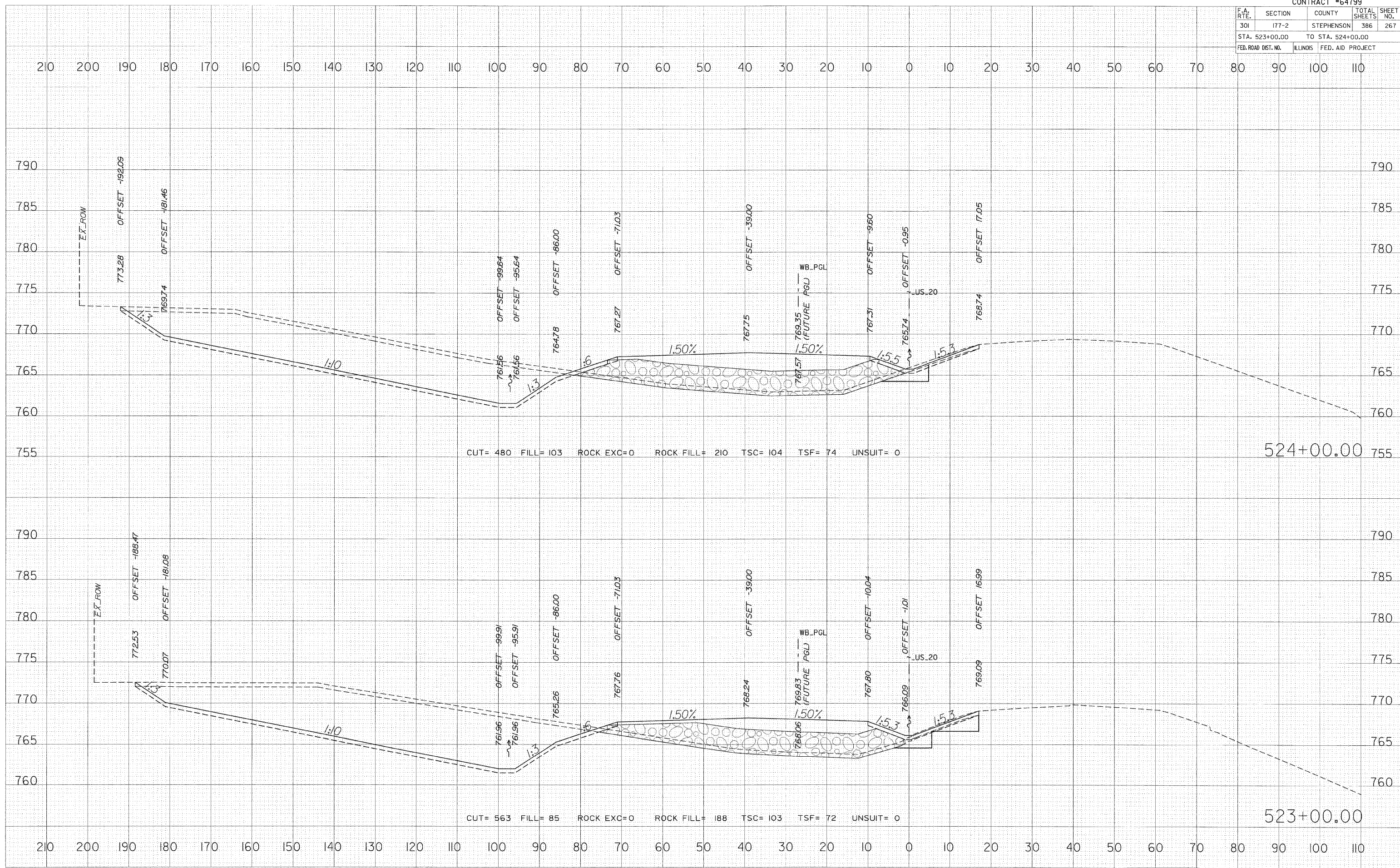
FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS	TEMPLATE	
NO.	AREAS CHECKED	

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

PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
 USER NAME = #USER#



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	267
STA. 523+00.00		TO STA. 524+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

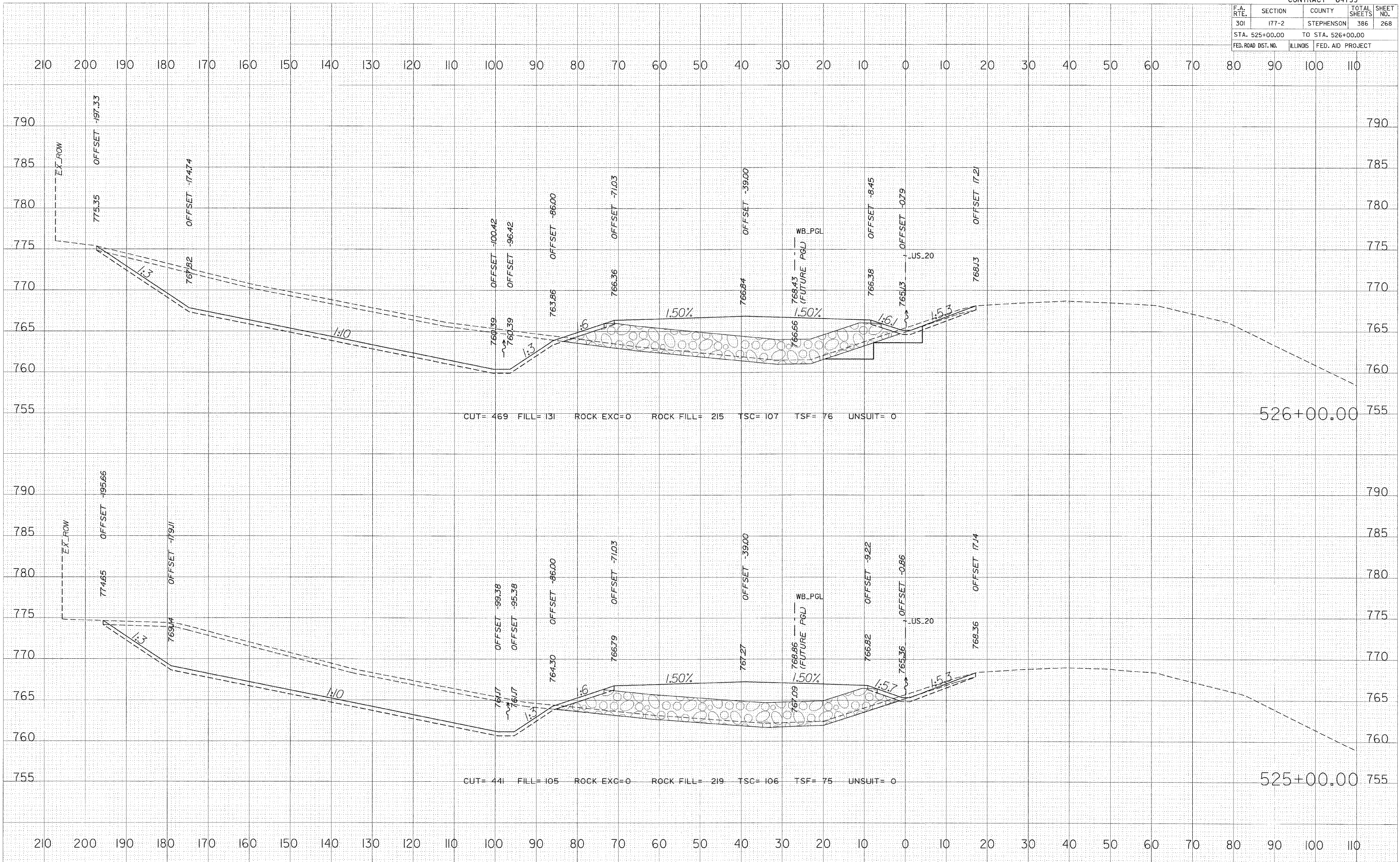


DATE	
BY	
CHECKED	
DESIGNED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	

DATE	
BY	
CHECKED	
DESIGNED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	

PLOT DATE = 3/11/2018
 FILE NAME = #FILE#
 SCALE = #SCALE#
 USER NAME = #USER#

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	268
STA. 525+00.00		TO STA. 526+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY NO. _____

DATE	BY

NO. _____

AREAS CHECKED

ORIGINAL SURVEY NO. _____

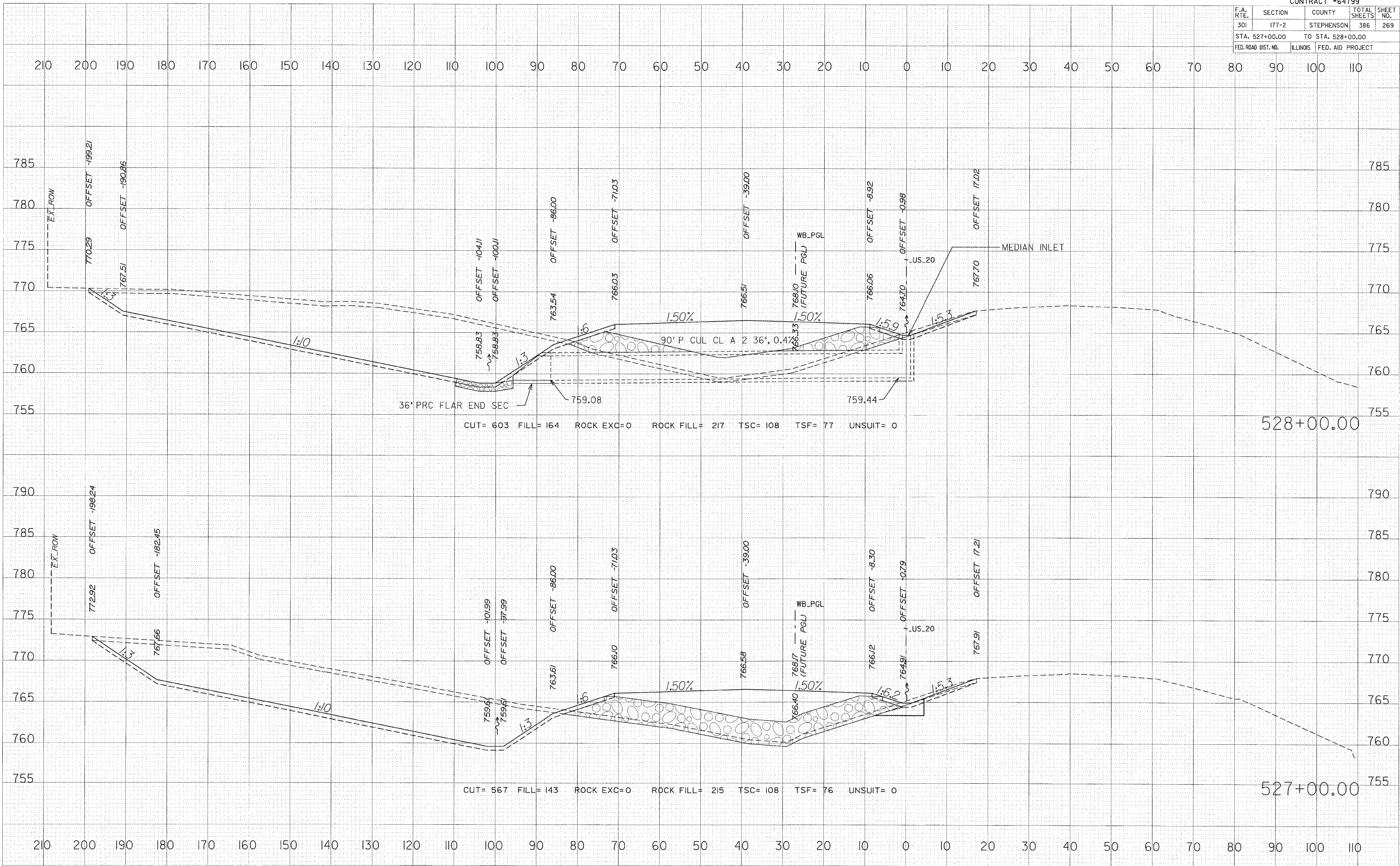
DATE	BY

NO. _____

AREAS CHECKED

PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	269
STA. 527+00.00		TO STA. 528+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

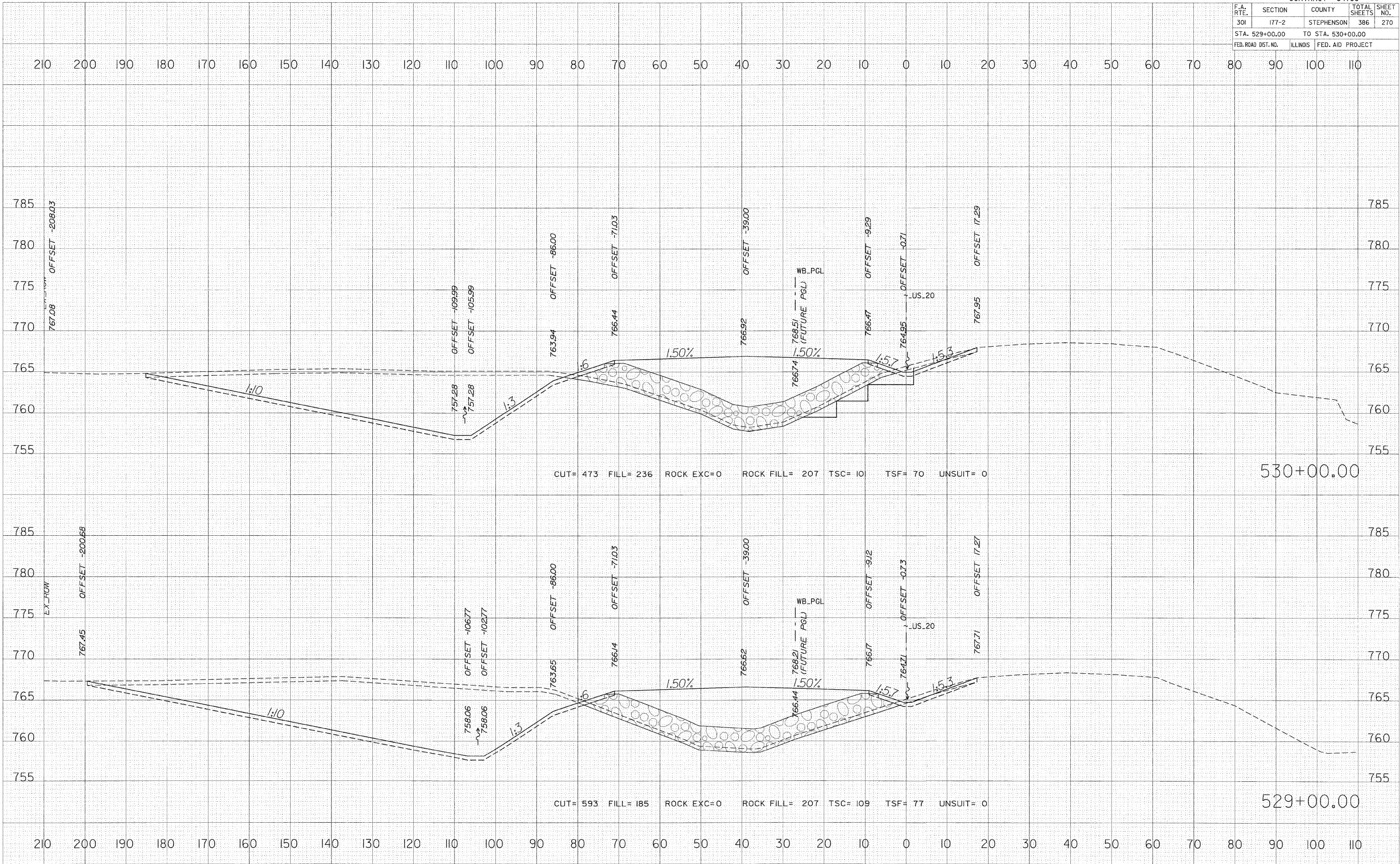


FINAL SURVEY	SURVEYED	DATE
NO.	PLOTTED	BY
	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NO.	PLOTTED	BY
	TEMPLATE	
	AREAS	
	CHECKED	

PLOT DATE = 3/11/2010
 FILE NAME = #FILEL#
 PLOT FILE = #PLOT#
 USER NAME = #USER#

CONTRACT #64799				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	270
STA. 529+00.00		TO STA. 530+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



BY	DATE

BY	DATE

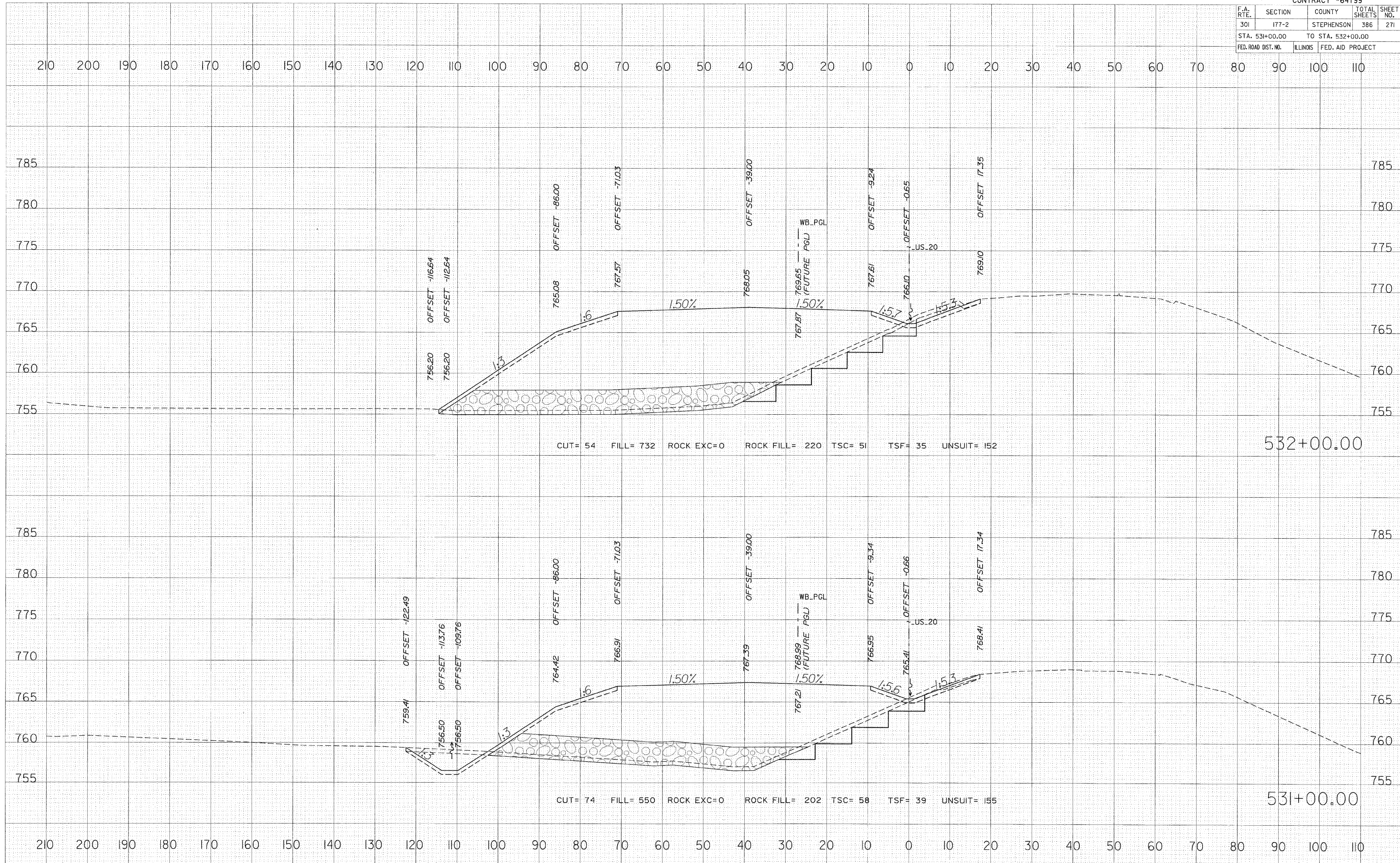
PLOT DATE = 3/11/2010
 FILE NAME = PFILEL*
 PLOT NAME = PFILEL*
 USER NAME = MUSERN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	271
STA. 531+00.00		TO STA. 532+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

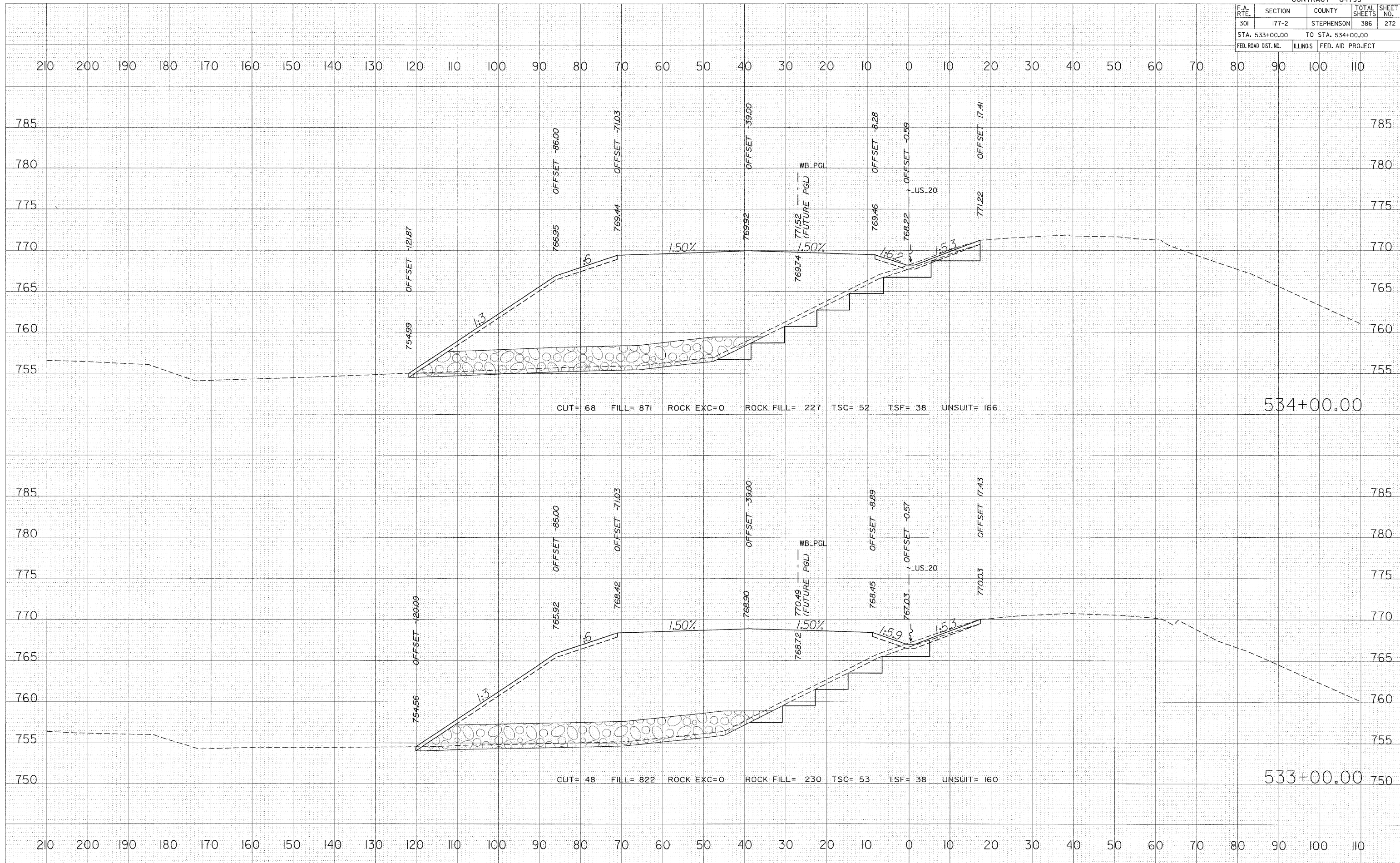
FINAL SURVEY NO.	SURVEY PLOTTED	DATE
NOTE BOOK	TEMPLATE	BY
AREAS CHECKED		

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

PLOT DATE = 3/11/2010
 FILE NAME = #FILEL9
 SAMPLE = #R0878
 USER NAME =



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	272
STA. 533+00.00		TO STA. 534+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY NO. _____
 CHECKED _____
 PLOTTED _____
 TEMPLATE _____
 AREAS CHECKED _____

ORIGINAL SURVEY NO. _____
 CHECKED _____
 PLOTTED _____
 TEMPLATE _____
 AREAS CHECKED _____

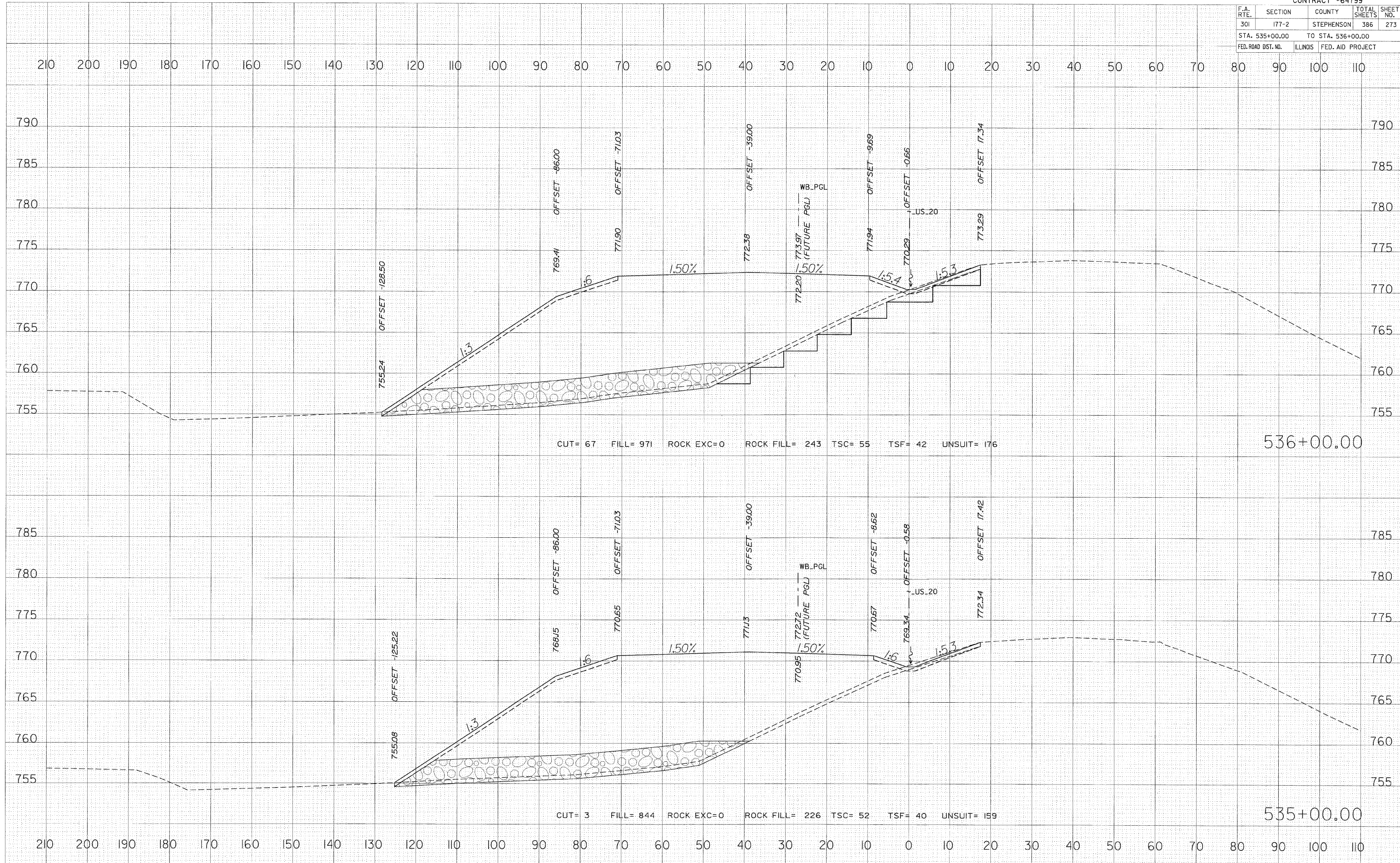
PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
 SCALE = #SCALE#
 USER NAME = #USER#

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	273
STA. 535+00.00		TO STA. 536+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

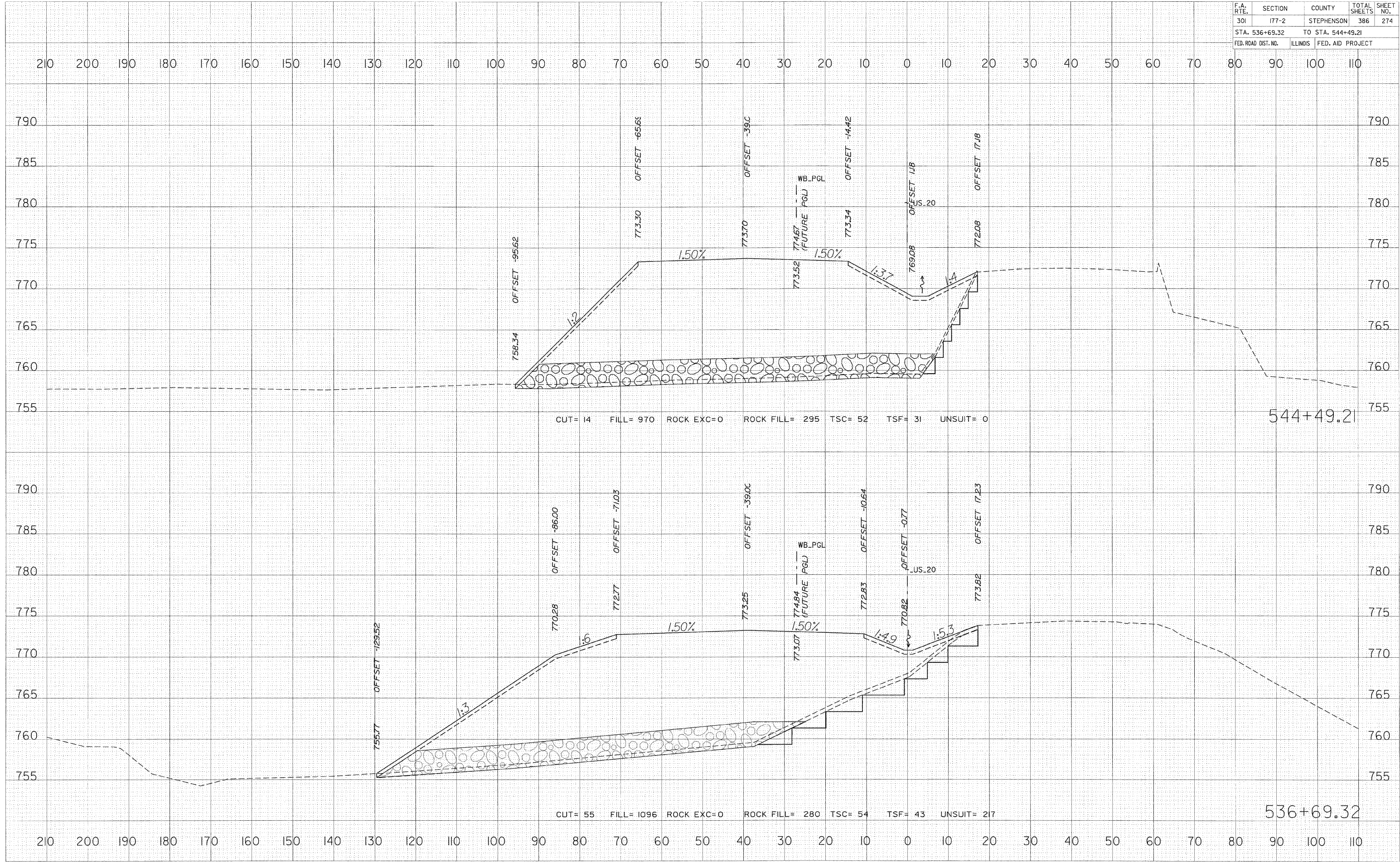
FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	

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

PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
 TITLE = #TITLE#
 USER NAME = #USER#



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	274
STA. 536+69.32		TO STA. 544+49.21		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

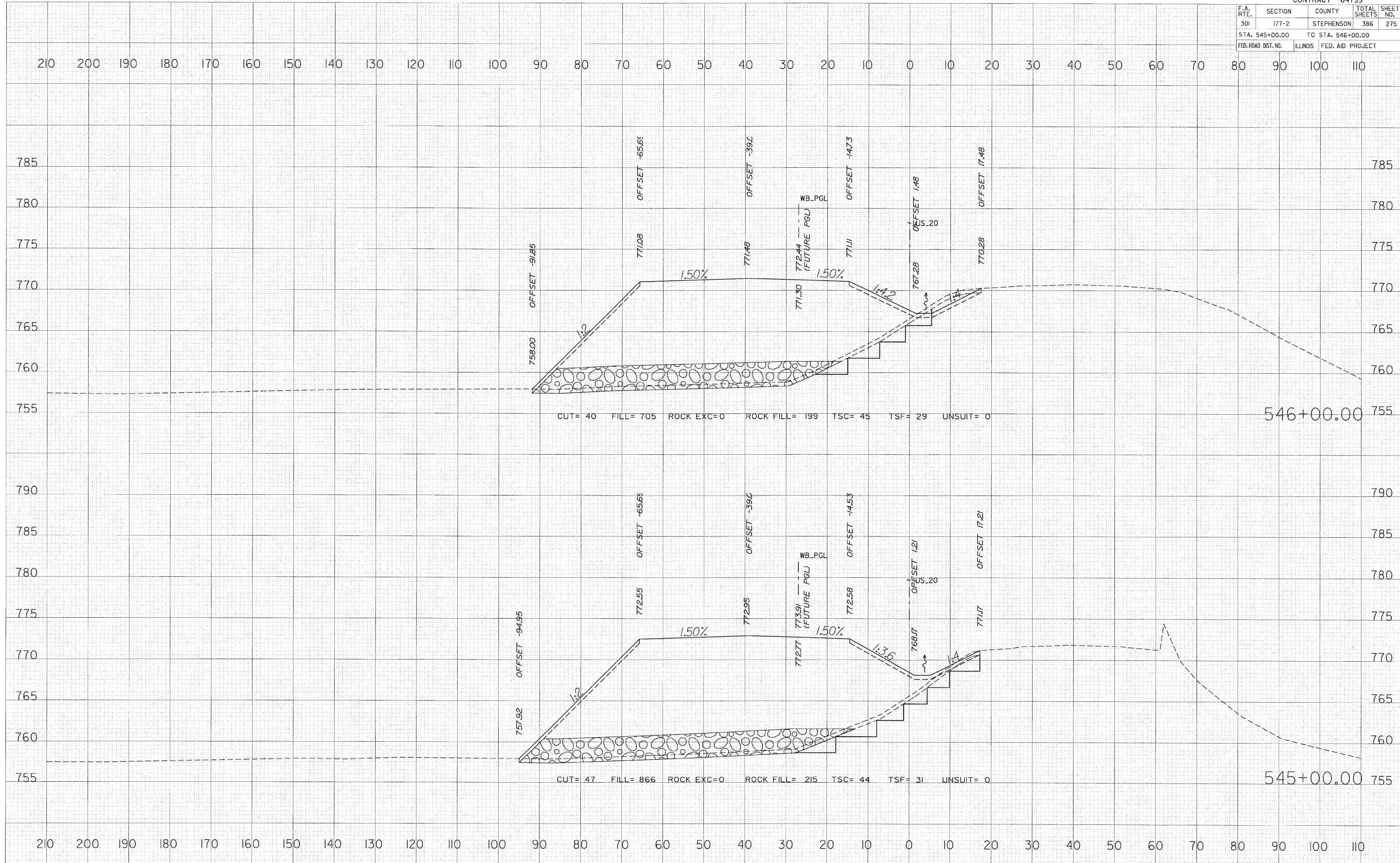


DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
AREAS CHECKED	TEMPLATE
	AREAS
	CHECKED
NO.	

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

PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	275
STA. 545+00.00		TO STA. 546+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

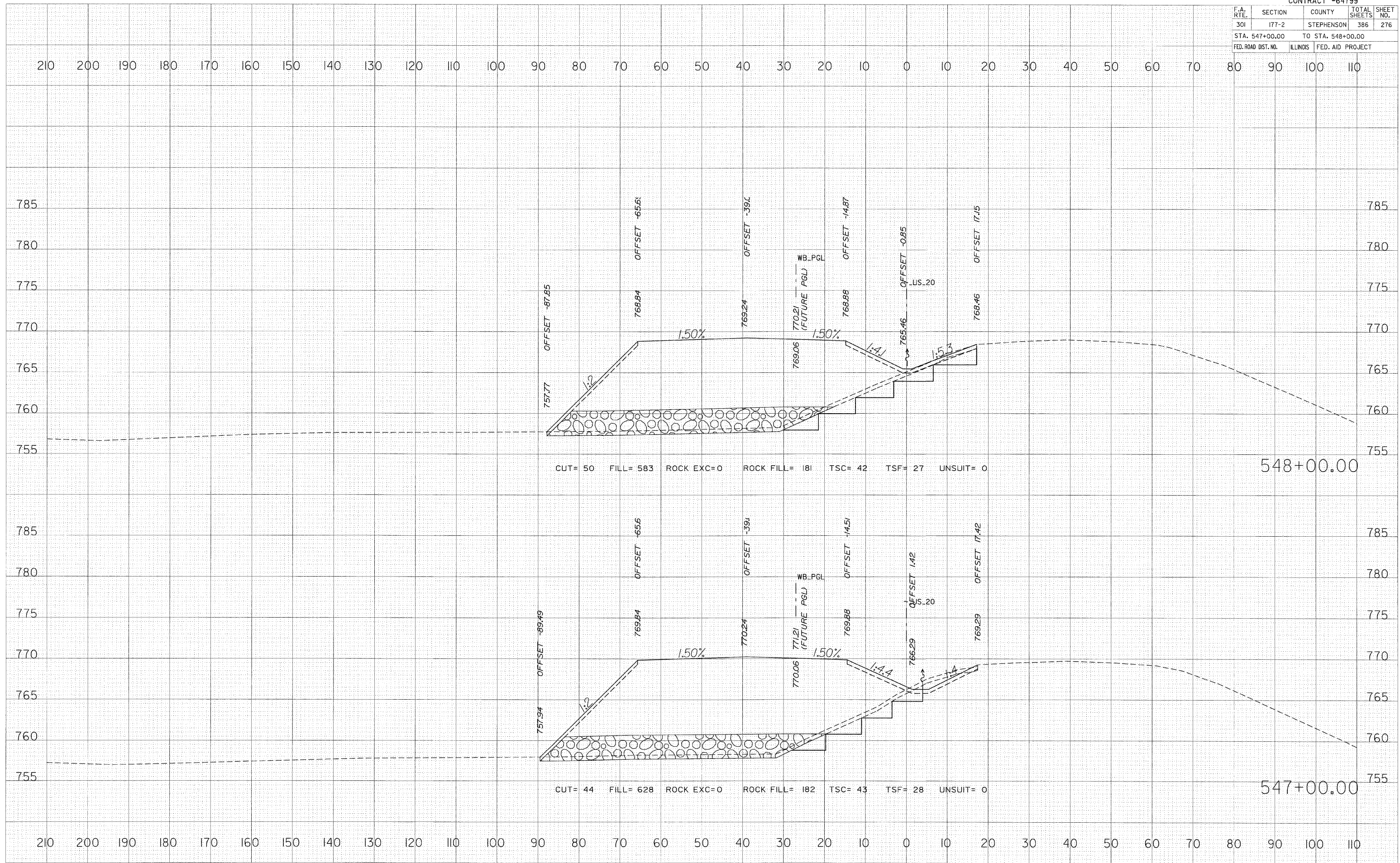


FINAL SURVEY	DATE
NO. _____	_____
BY _____	_____
DATE _____	_____
NO. _____	_____
BY _____	_____
DATE _____	_____
NO. _____	_____
BY _____	_____
DATE _____	_____

ORIGINAL SURVEY	DATE
NO. _____	_____
BY _____	_____
DATE _____	_____
NO. _____	_____
BY _____	_____
DATE _____	_____

PLOT DATE = 3/21/2010
 FILE NAME = #FILE#
 PLOT NAME = #PLOT#
 USER NAME = #USER#

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	276
STA. 547+00.00		TO STA. 548+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

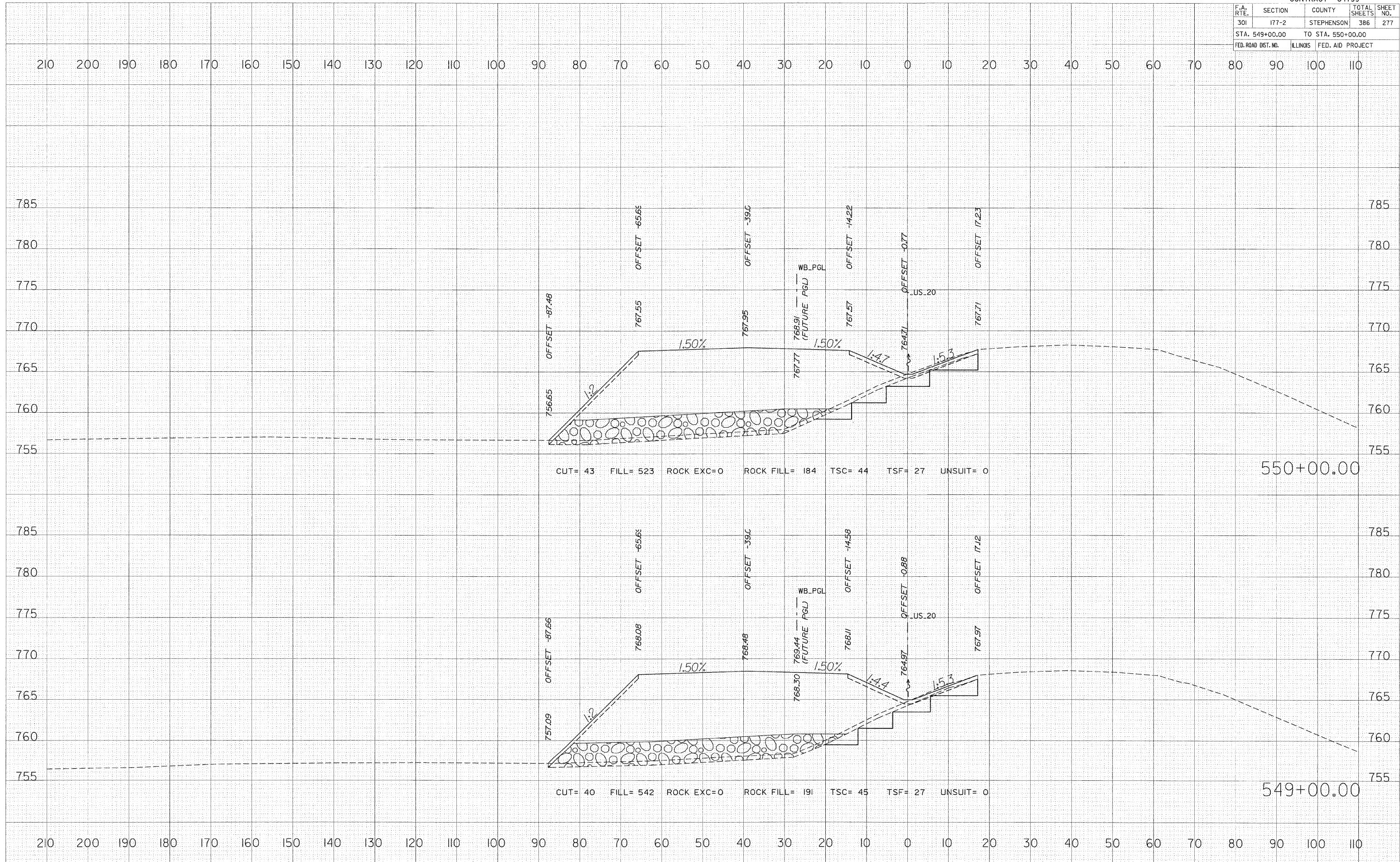


FINAL SURVEY	DATE
BY	
NO. _____	

ORIGINAL SURVEY	DATE
BY	
NO. _____	

PLOT DATE = 3/11/2010
 FILE NAME = #FILEL\$
 PLOT SCALE = #SCALE\$
 USER NAME = #USER\$

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	277
STA. 549+00.00		TO STA. 550+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



DATE	
BY	
FINAL SURVEY	
CHECKED	
NOTED	
NO. OF SHEETS	
NO. OF PAGES	
NO. OF FIGURES	

DATE	
BY	
ORIGINAL SURVEY	
CHECKED	
NOTED	
NO. OF SHEETS	
NO. OF PAGES	
NO. OF FIGURES	

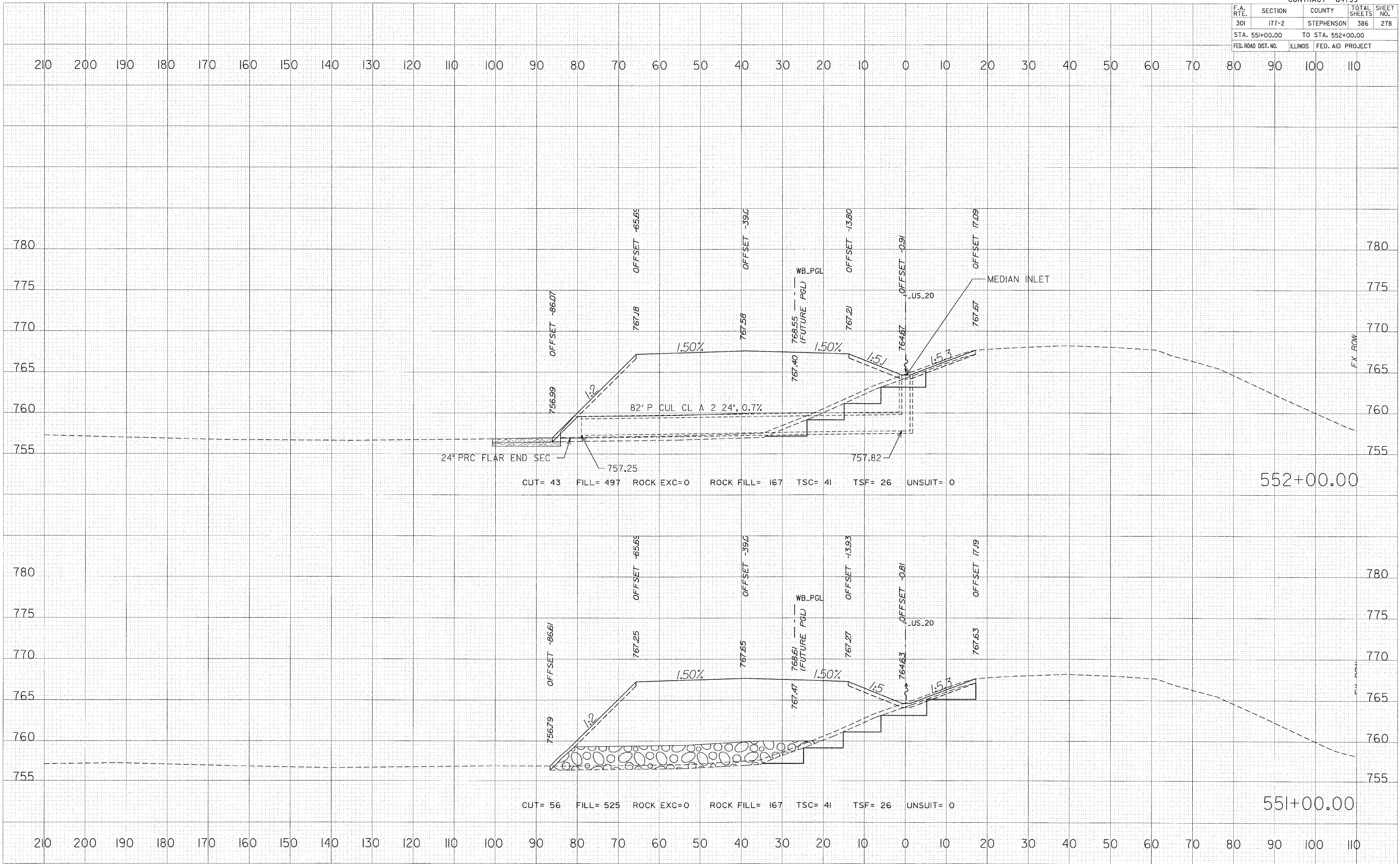
PLOT DATE = 3/11/2008
 FILE NAME = FILE10
 SCALE = 1"=40'
 USER NAME = USER1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	278
STA. 551+00.00		TO STA. 552+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

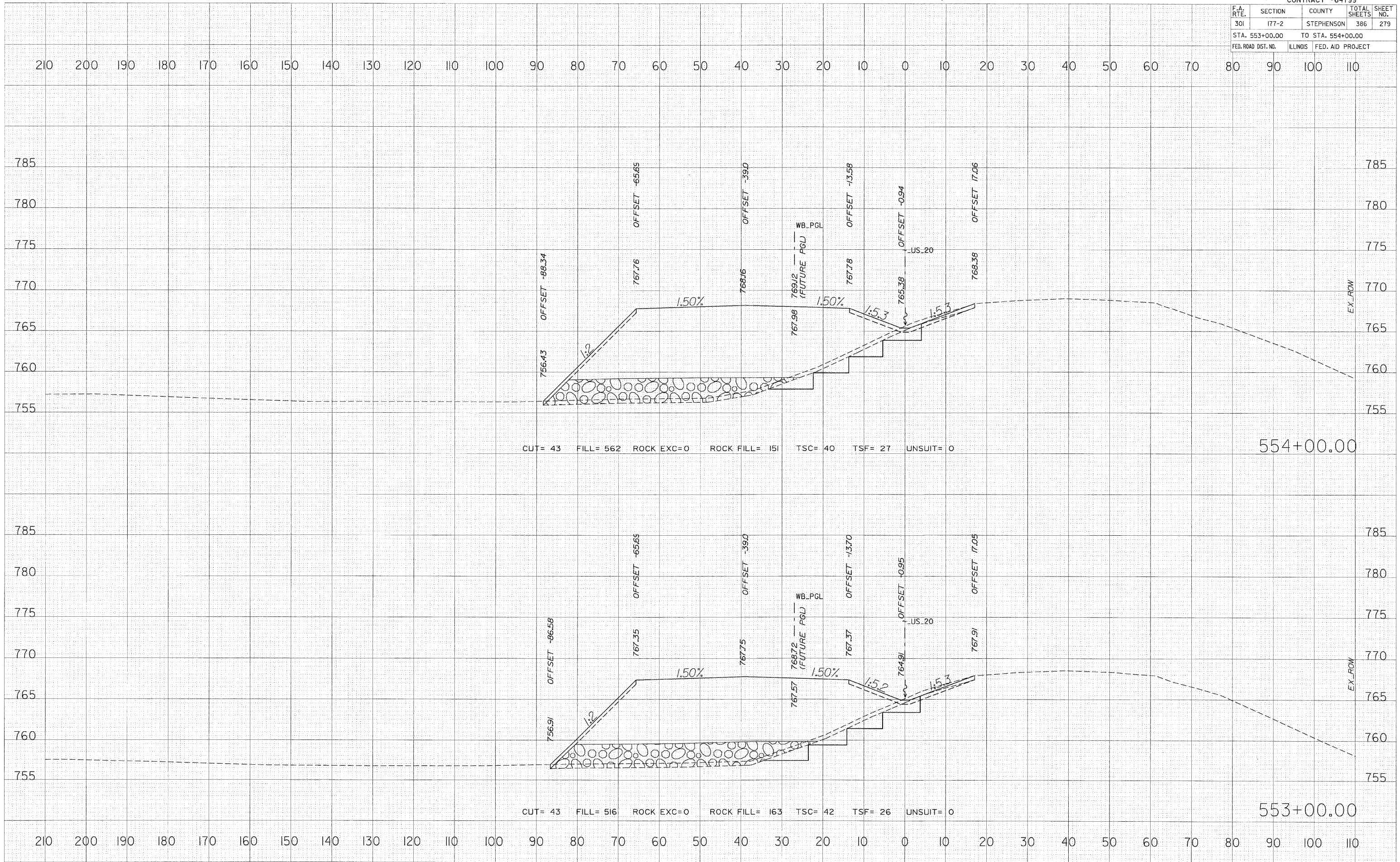
FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
NO.	AREAS CHECKED	

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

PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	279
STA. 553+00.00		TO STA. 554+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

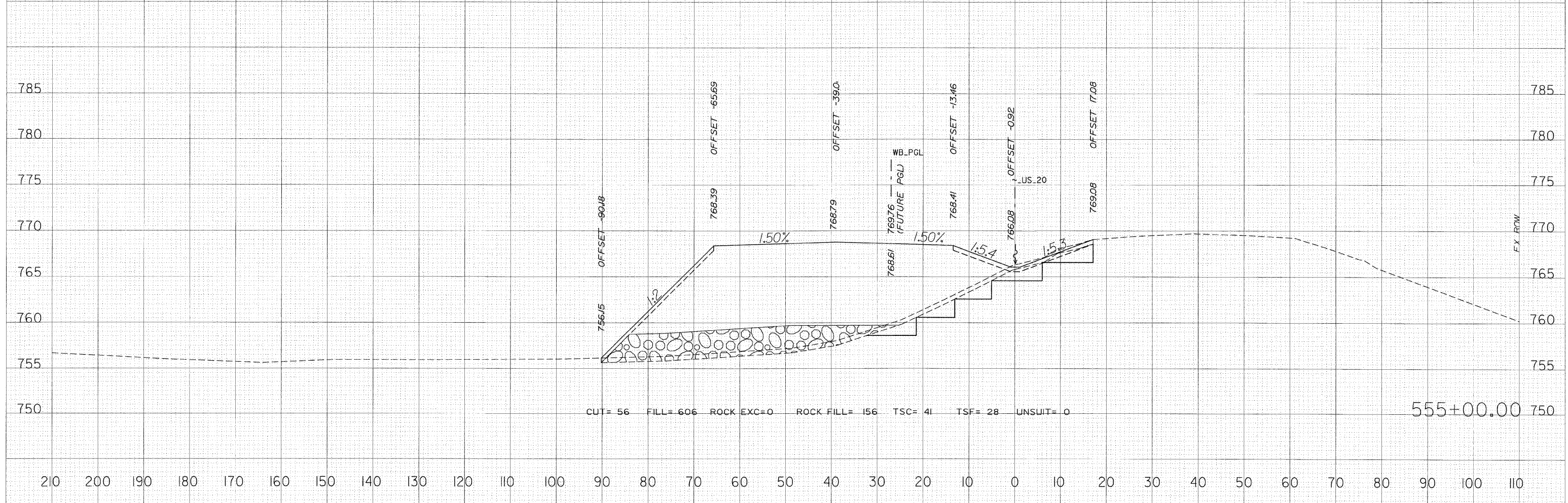
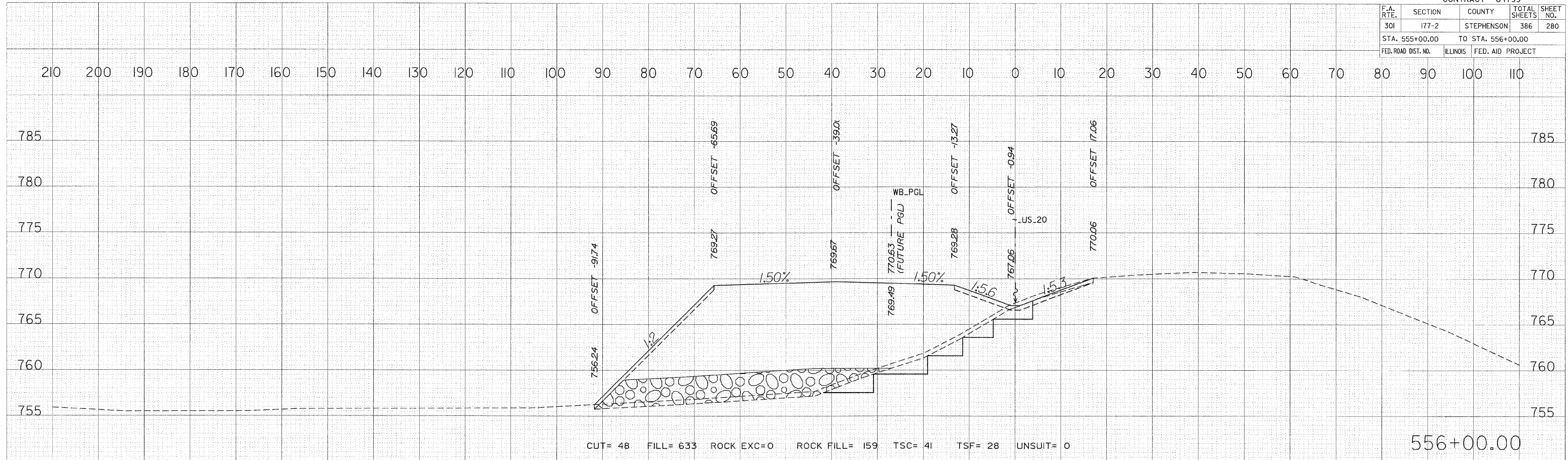


DATE	
BY	
SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
CHECKED	
NO.	

PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
 USER NAME = #USER#

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	280
STA. 555+00.00		TO STA. 556+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



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

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

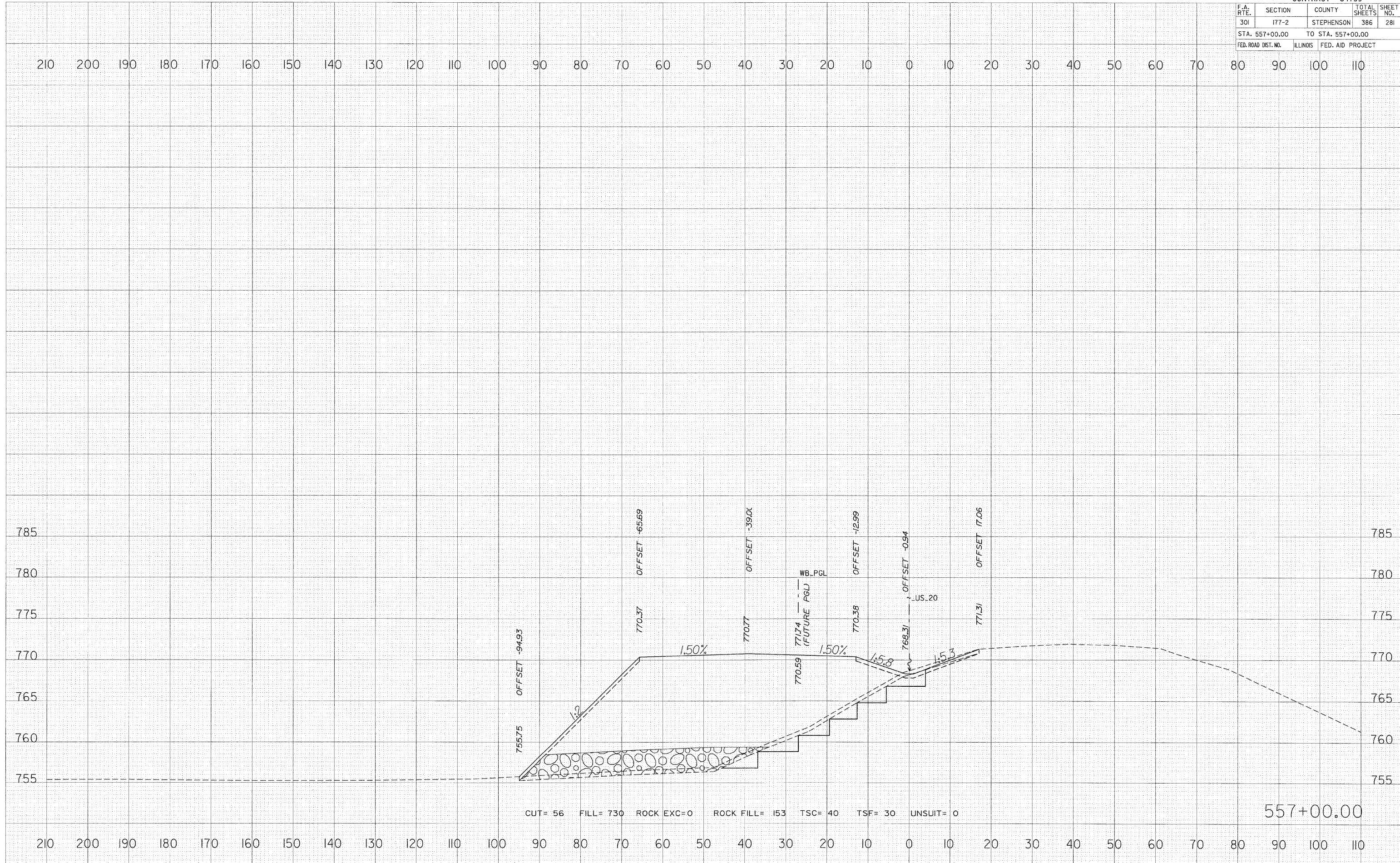
PLOT DATE = 3/11/2010
 FILE NAME = #FILEL#
 USER NAME = #USER#

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	281
STA. 557+00.00		TO STA. 557+00.00		
FED. ROAD DIST. NO.	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	

PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
 SCALE = #SCALE#
 USER NAME = #USER#



CUT= 56 FILL= 730 ROCK EXC=0 ROCK FILL= 153 TSC= 40 TSF= 30 UNSUIT= 0

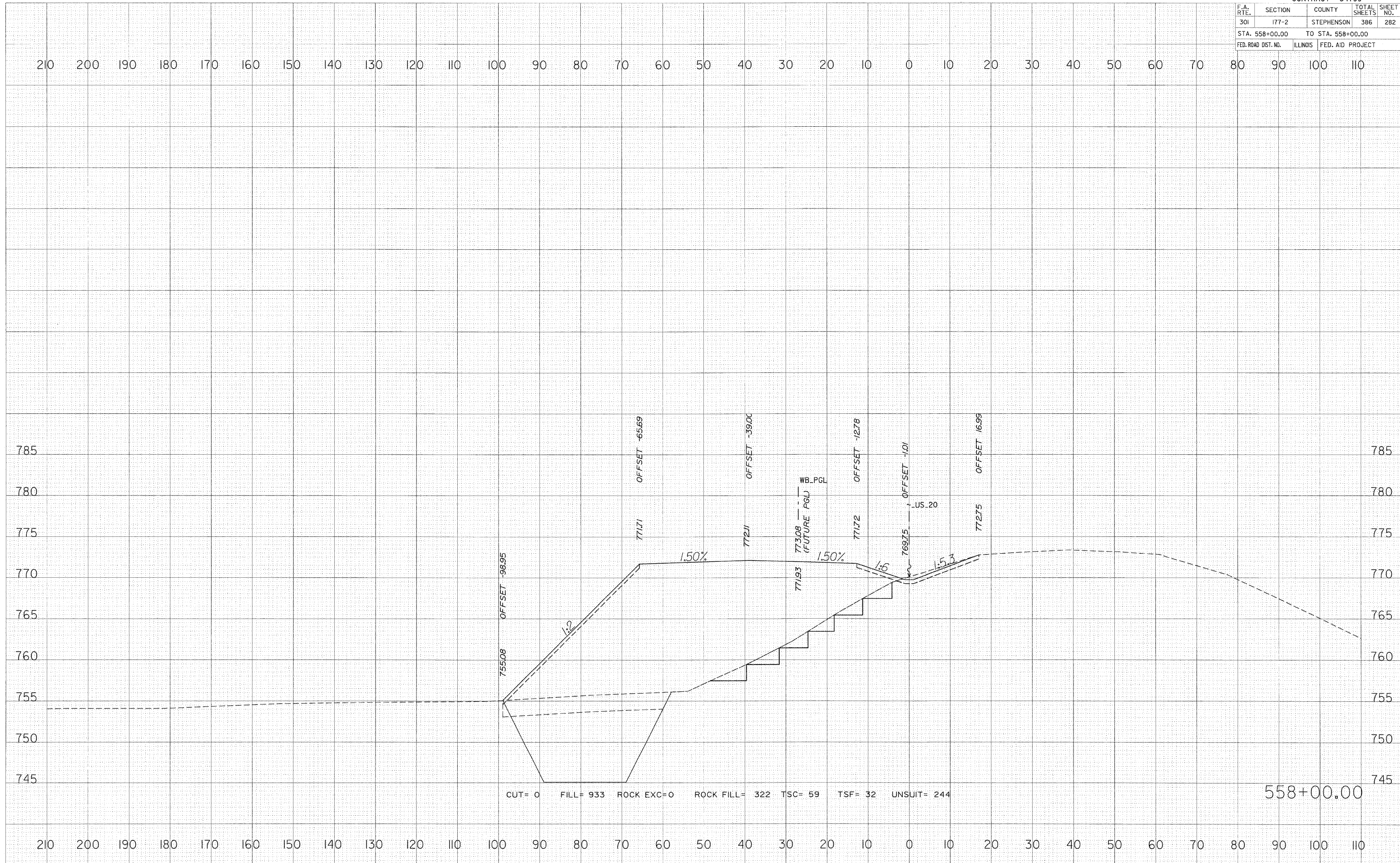
557+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	282
STA. 558+00.00		TO STA. 558+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
 SCALE = #SCALE#
 USER NAME = #USER#

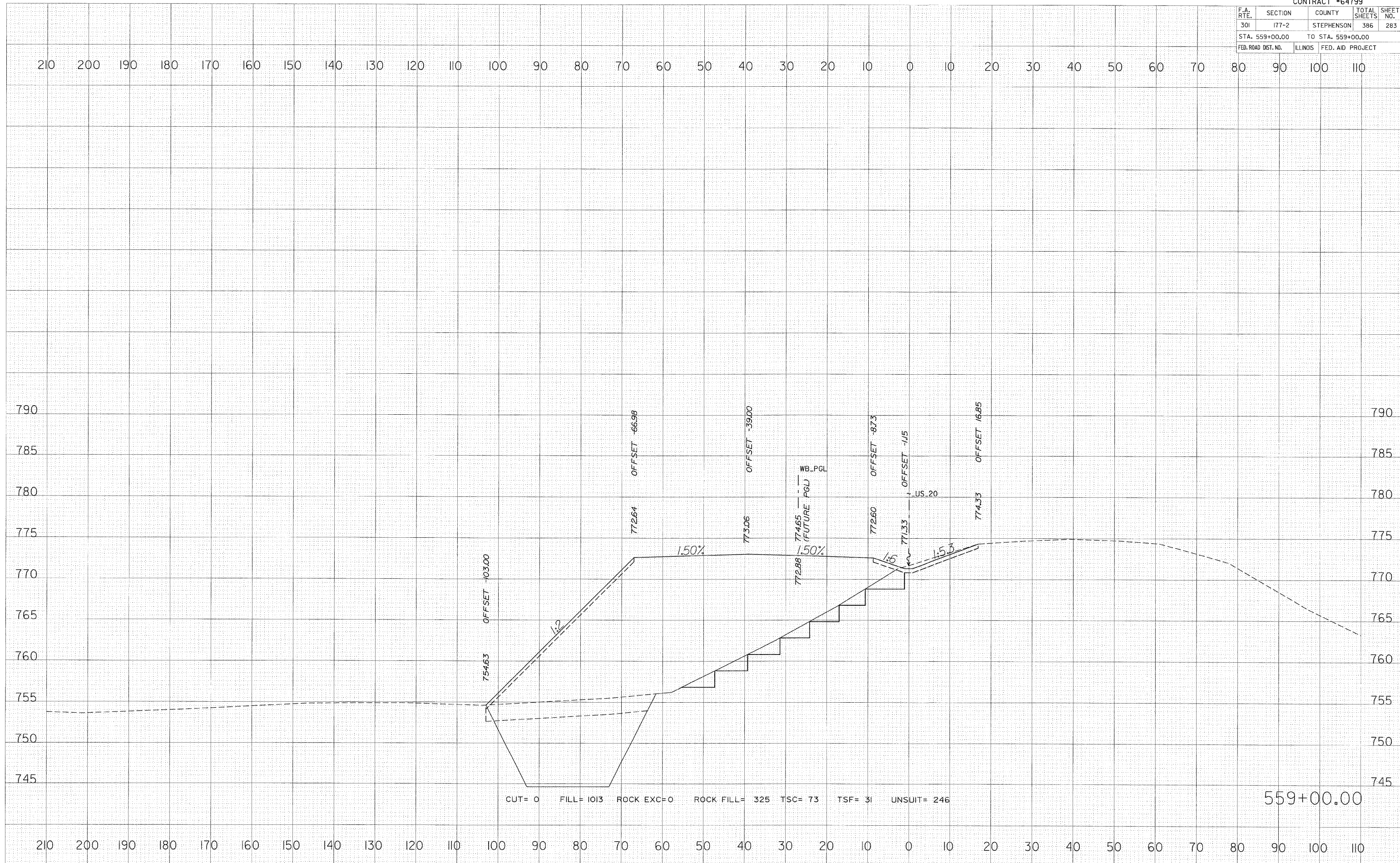


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	283
STA. 559+00.00		TO STA. 559+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	SURVEY	DATE
NO. 1	NO. 1	
NO. 2	NO. 2	
NO. 3	NO. 3	
NO. 4	NO. 4	
NO. 5	NO. 5	
NO. 6	NO. 6	
NO. 7	NO. 7	
NO. 8	NO. 8	
NO. 9	NO. 9	
NO. 10	NO. 10	

ORIGINAL SURVEY	SURVEY	DATE
NO. 1	NO. 1	
NO. 2	NO. 2	
NO. 3	NO. 3	
NO. 4	NO. 4	
NO. 5	NO. 5	
NO. 6	NO. 6	
NO. 7	NO. 7	
NO. 8	NO. 8	
NO. 9	NO. 9	
NO. 10	NO. 10	

PLOT DATE = 3/1/2010
 FILE NAME = #FILE#
 PLOT FILE = #PLOT#
 USER NAME = #USER#



CUT= 0 FILL= 1013 ROCK EXC=0 ROCK FILL= 325 TSC= 73 TSF= 31 UNSUIT= 246

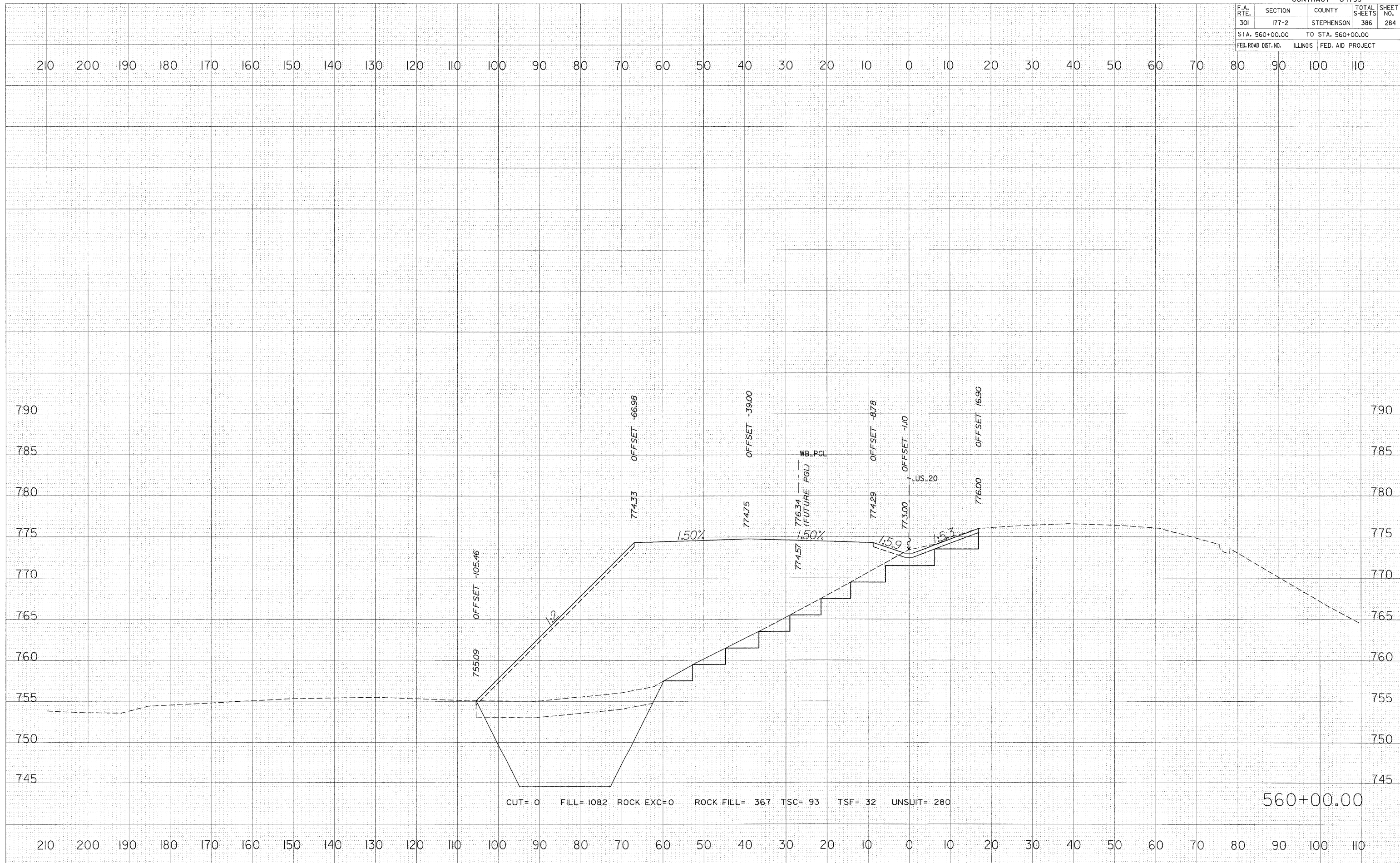
559+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	284
STA. 560+00.00		TO STA. 560+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#

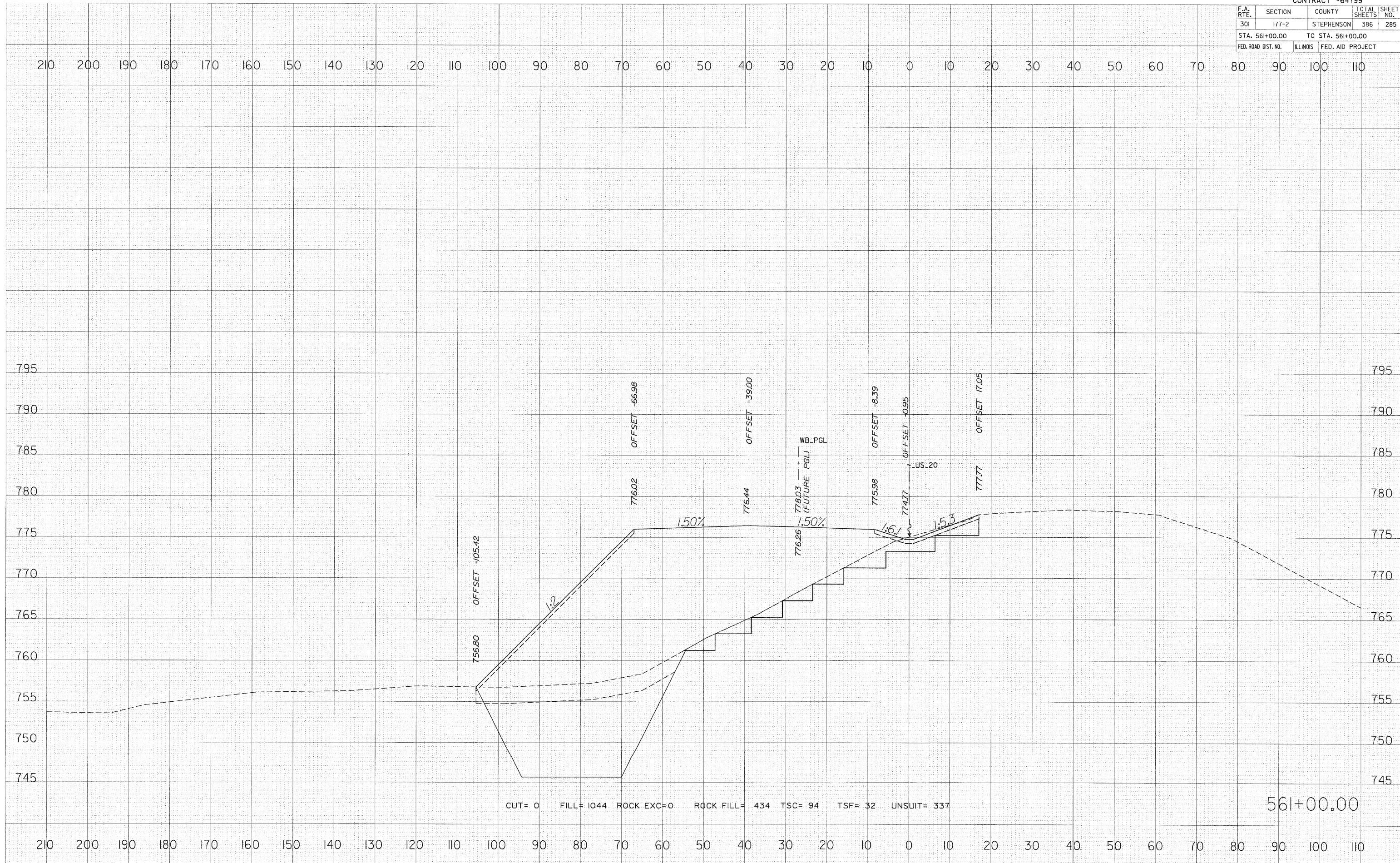


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	285
STA. 561+00.00		TO STA. 561+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
 USER NAME = #USER#

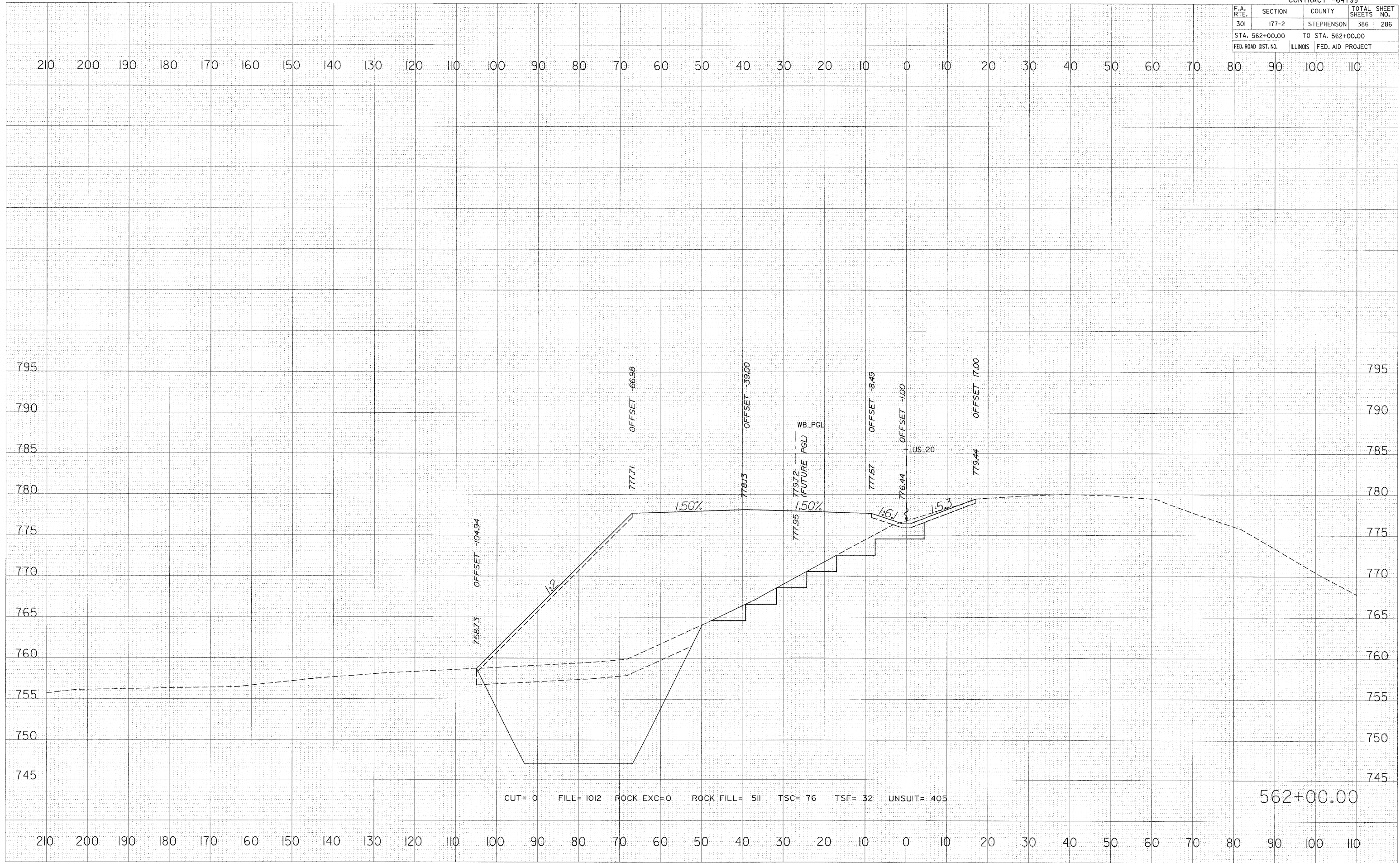


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	286
STA. 562+00.00		TO STA. 562+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

PLOT DATE = 3/11/2010
 FILE NAME = 01411410
 USER NAME = 008676

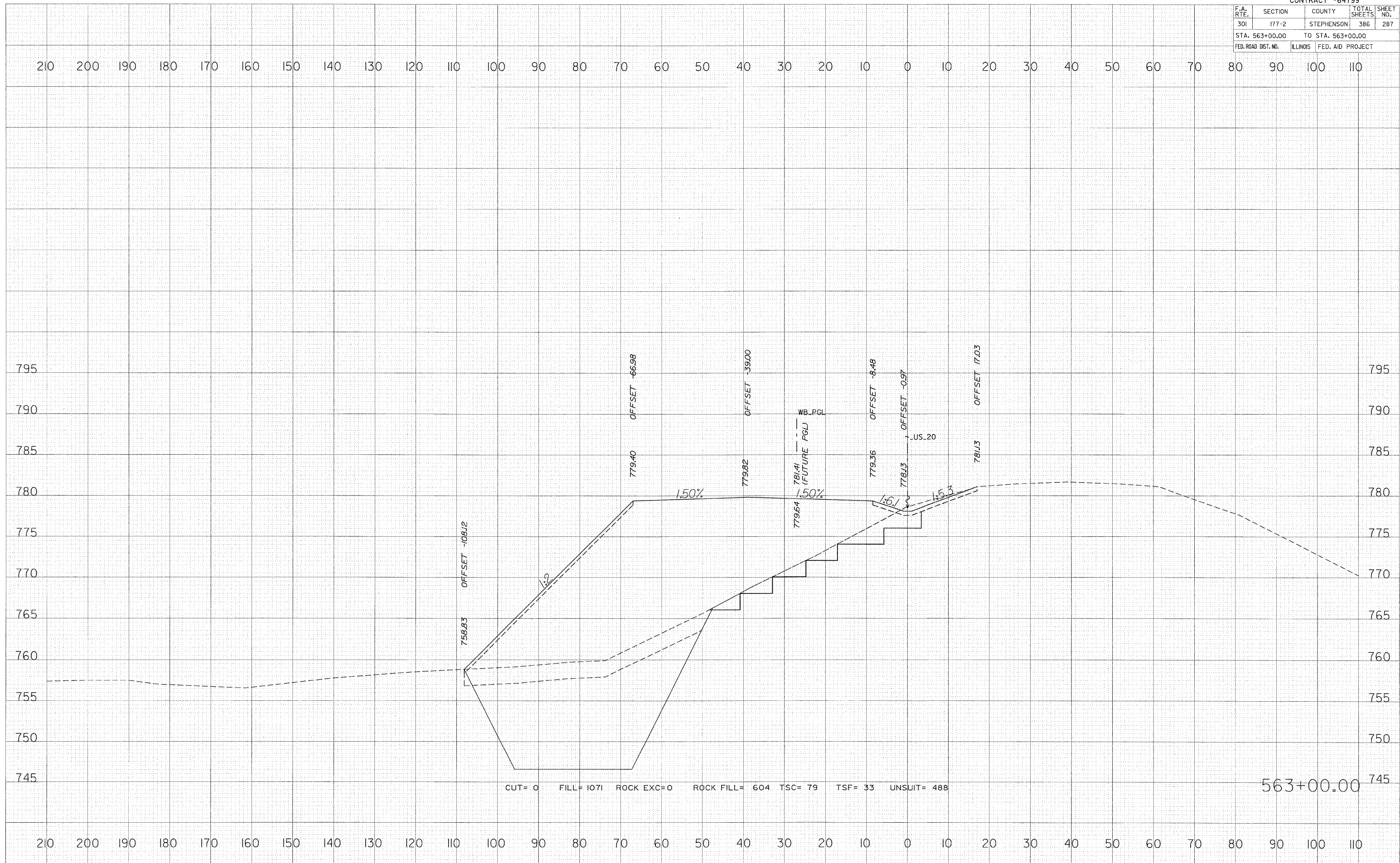


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	287
STA. 563+00.00		TO STA. 563+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	FORWARDED	DATE
NOTE BOOK	PROJ. NO.	
NO.	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	PLOTTED	DATE
NOTE BOOK	TEMPLATE	
NO.	AREAS	
	CHECKED	

PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#

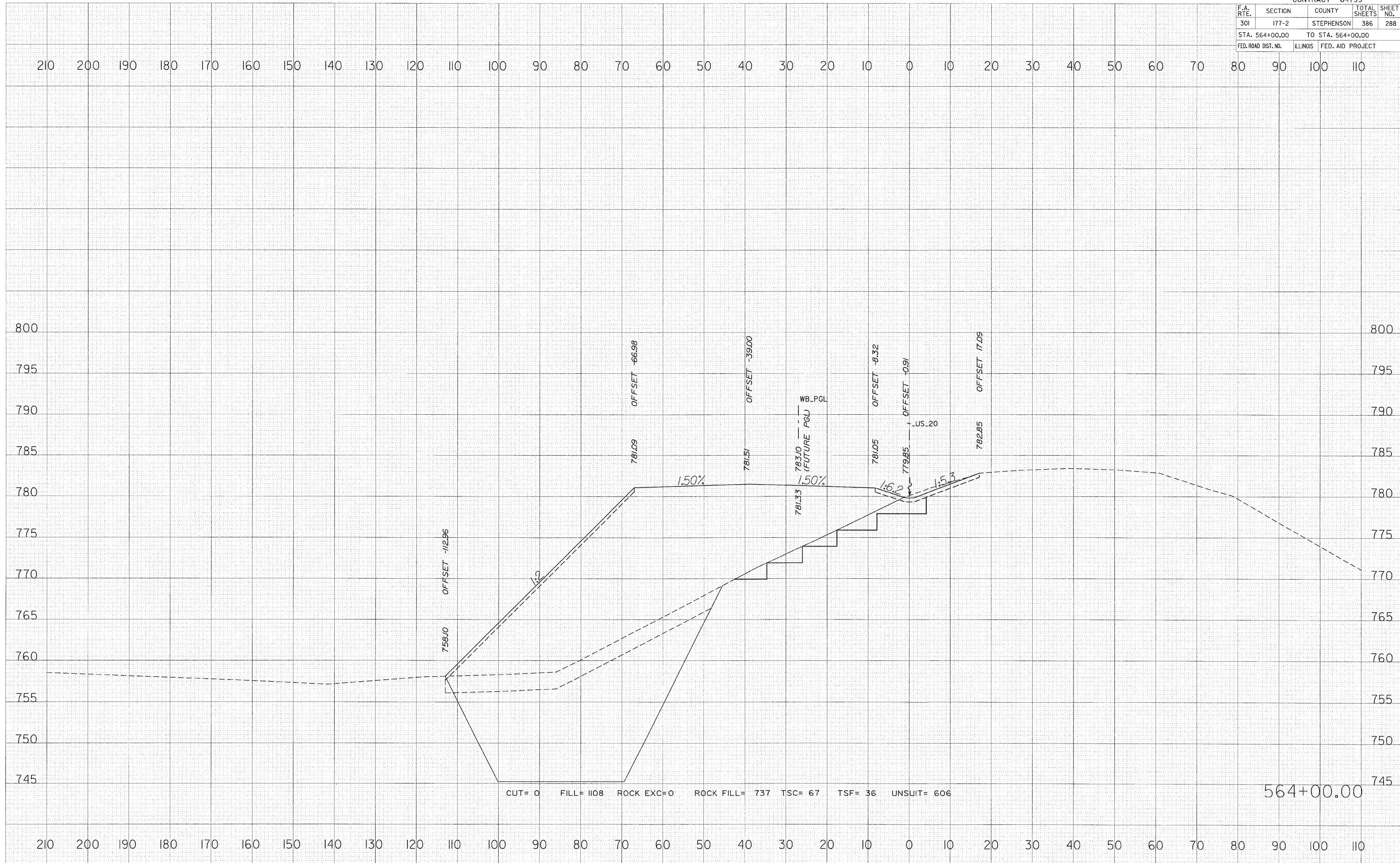


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	288
STA. 564+00.00		TO STA. 564+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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

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

PLOT DATE = 3/11/2018
 FILE NAME = #FILE#
 SCALE = #SCALE#
 USER NAME = #USER#

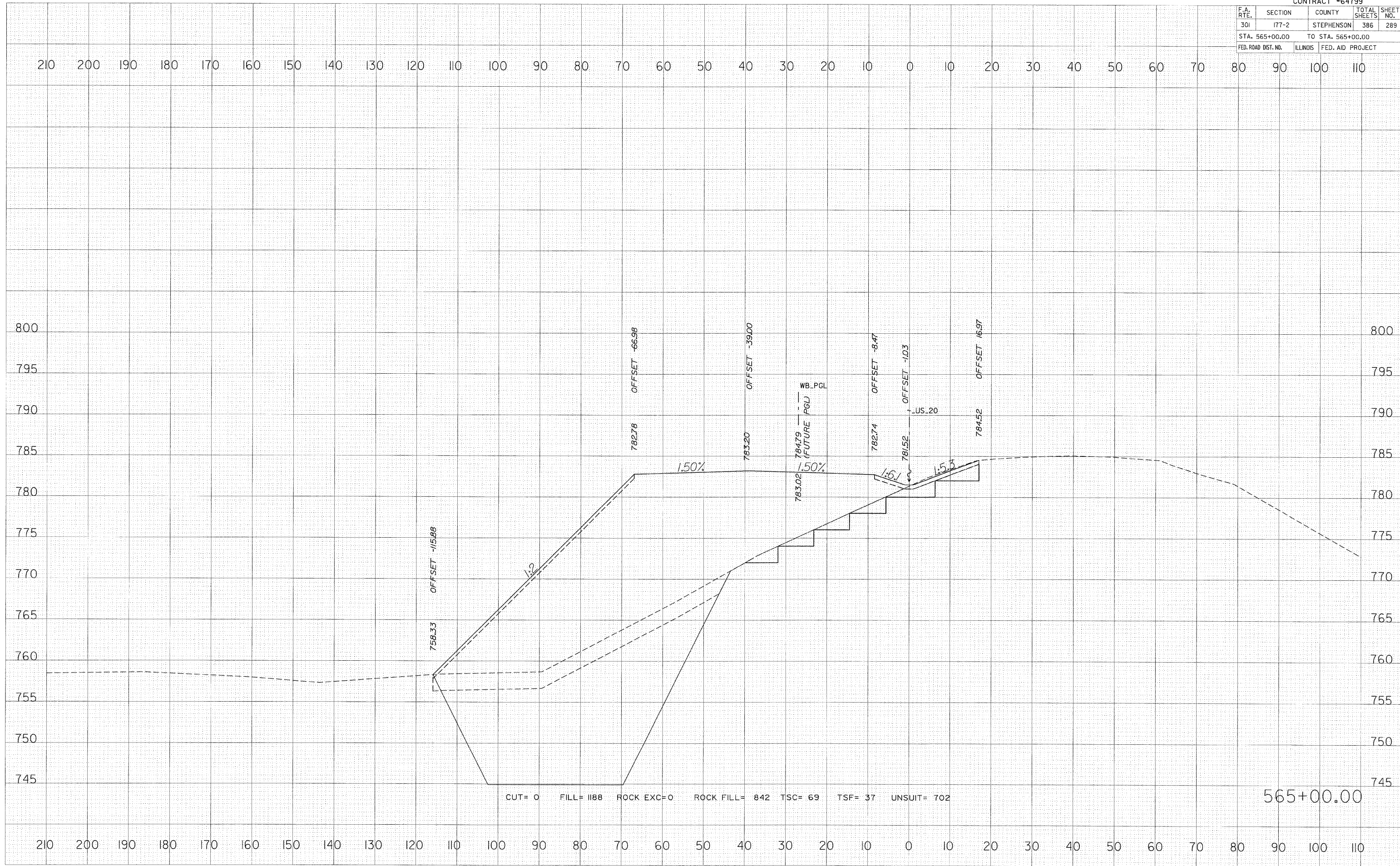


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	289
STA. 565+00.00		TO STA. 565+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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

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

PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
 PLOT FILE = #PLOT#
 USER NAME = #USER#

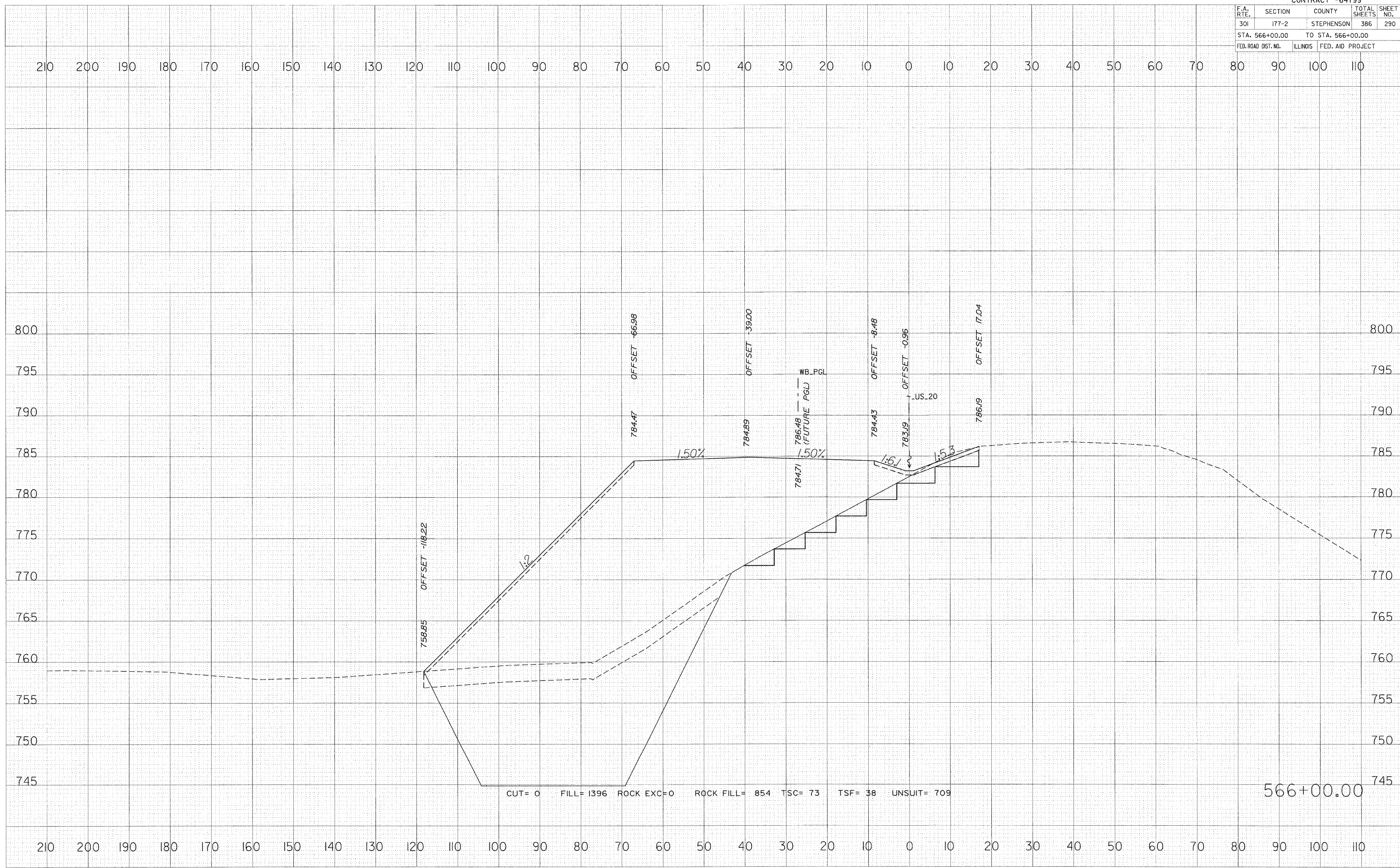


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	290
STA. 566+00.00		TO STA. 566+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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

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

PLOT DATE = 3/11/2012
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#

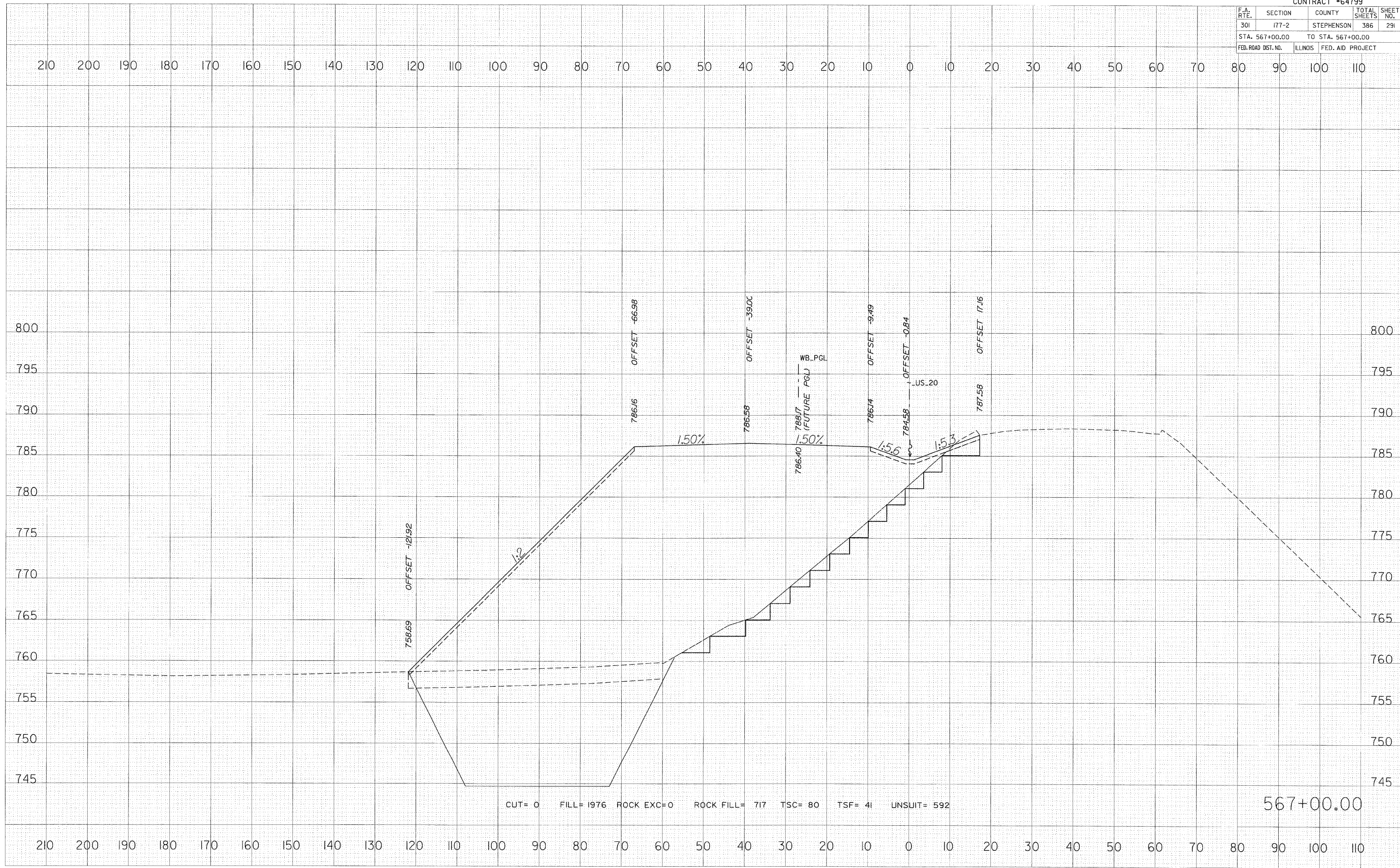


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	291
STA. 567+00.00		TO STA. 567+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

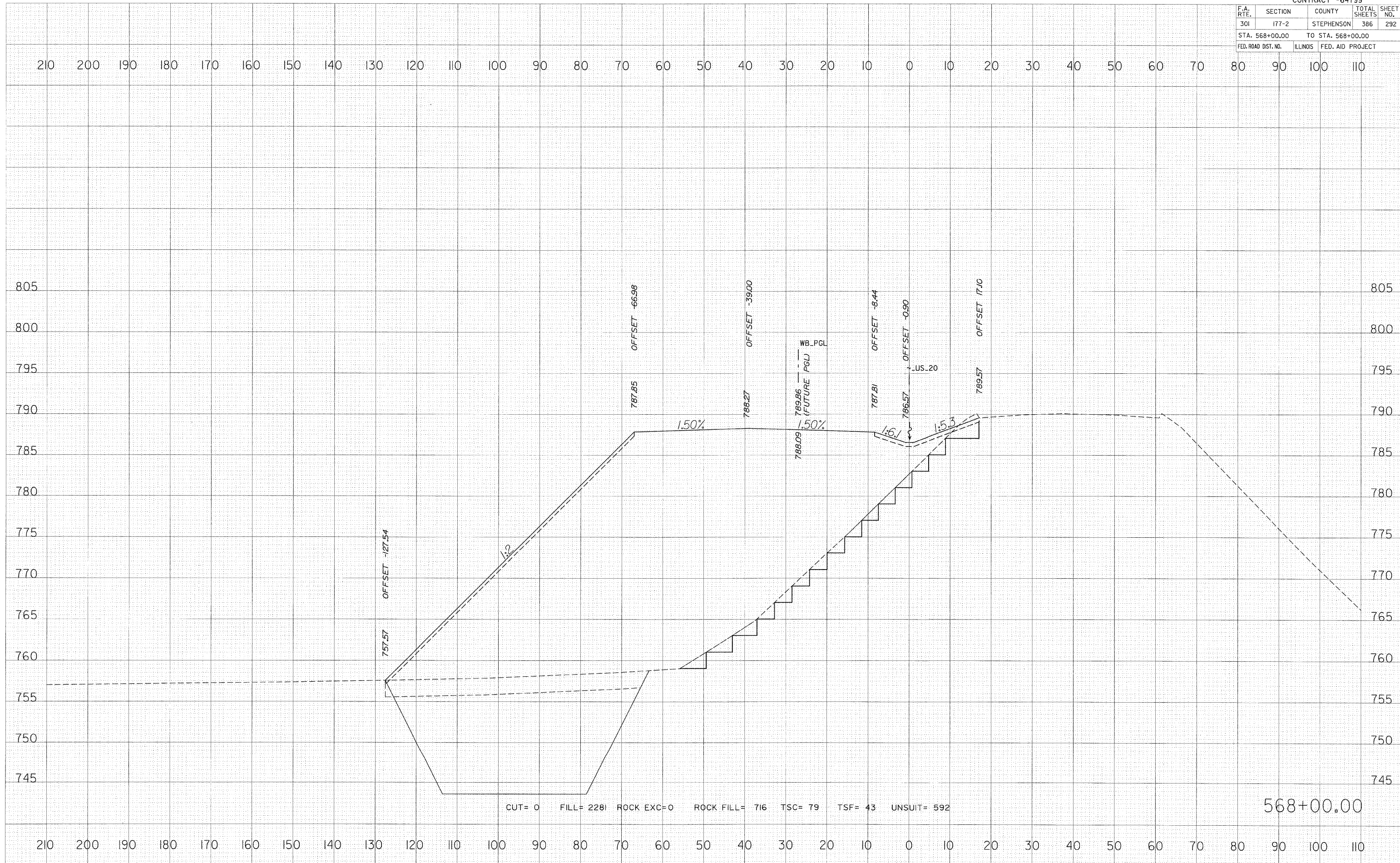
FINAL SURVEY	DATE
NO. _____	_____
BY _____	_____
NO. _____	_____
NO. _____	_____
NO. _____	_____
NO. _____	_____

ORIGINAL SURVEY	DATE
NO. _____	_____
BY _____	_____
NO. _____	_____
NO. _____	_____
NO. _____	_____
NO. _____	_____

PLOT DATE = 3/11/2010
FILE NAME = #FILE#
SCALE = #SCALE#
USER NAME = #USER#



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	292
STA. 568+00.00		TO STA. 568+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



DATE	
BY	
FINAL SURVEY	SURVEY
NOTE BOOK	NOTE BOOK
AREAS	AREAS
AREAS CHECKED	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEY
NOTE BOOK	NOTE BOOK
AREAS	AREAS
AREAS CHECKED	AREAS CHECKED

PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
 FILE # = #FILE#
 USER NAME = #USER#

CUT= 0 FILL= 2281 ROCK EXC=0 ROCK FILL= 716 TSC= 79 TSF= 43 UNSUIT= 592

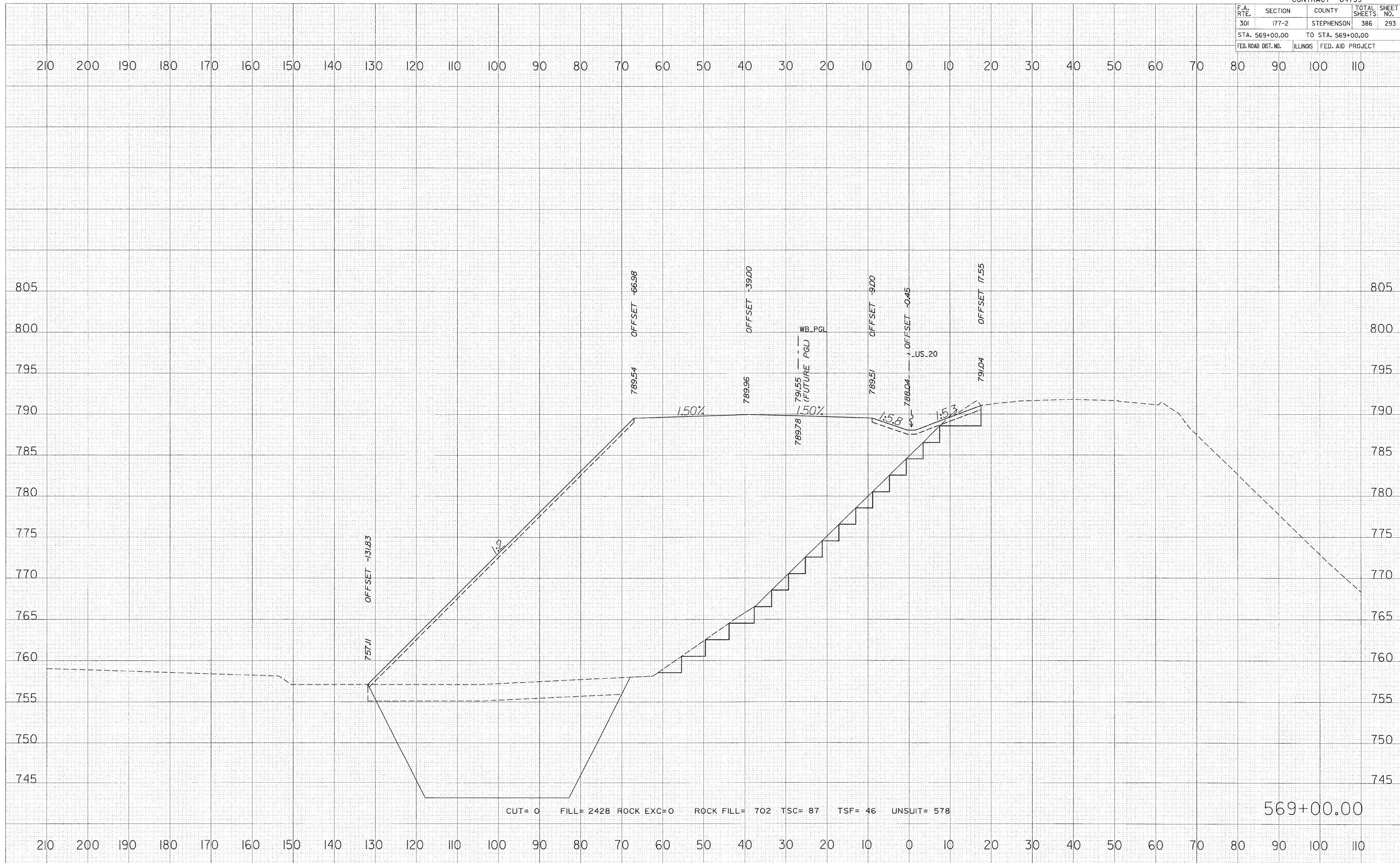
568+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	293
STA. 569+00.00		TO STA. 569+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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

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

PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#

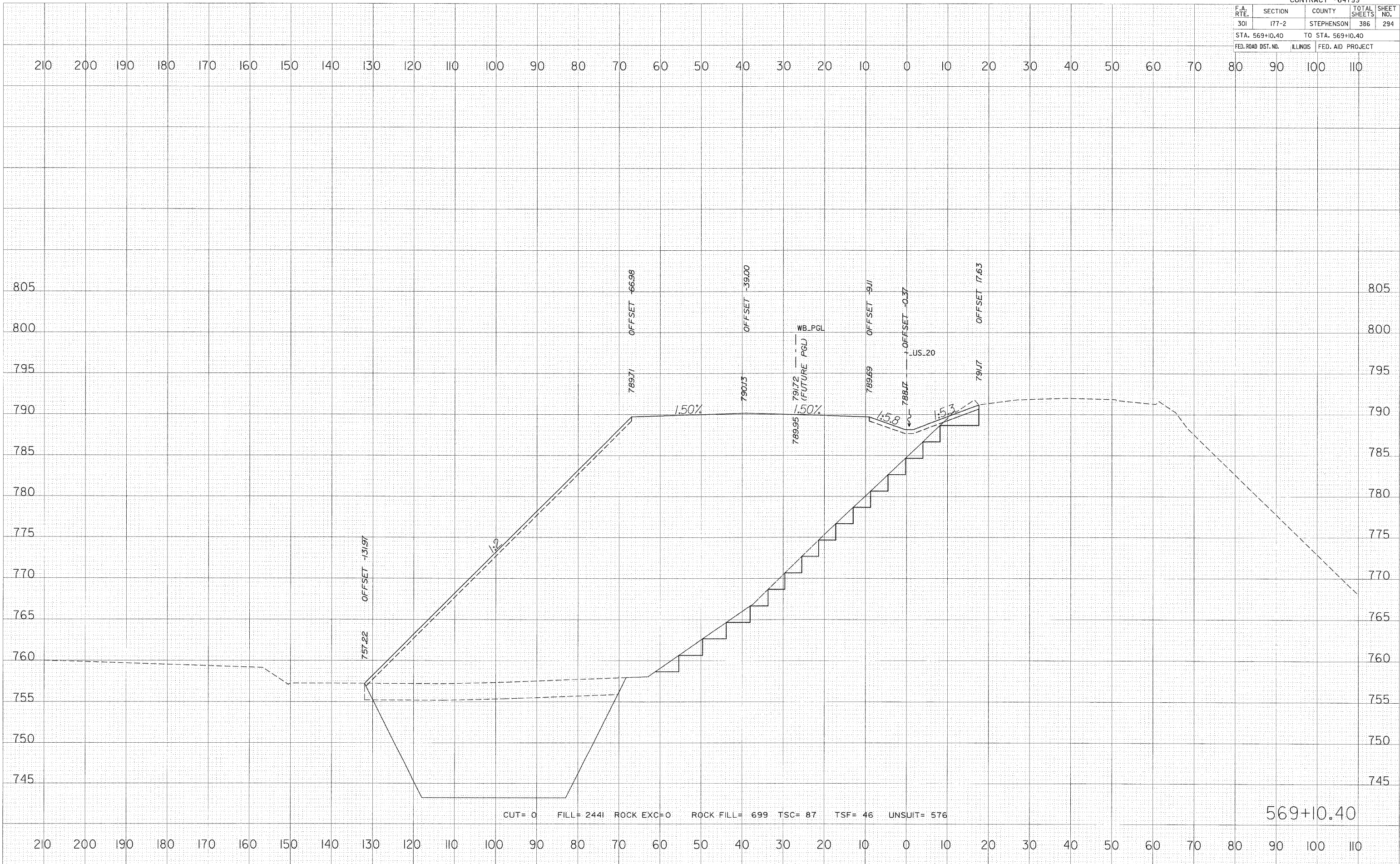


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	294
STA. 569+0.40		TO STA. 569+10.40		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY NO.	DATE

ORIGINAL SURVEY NO.	DATE

PLOT DATE = 3/11/2010
 FILE NAME = #FILEL#
 USER NAME = #USER#



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	295
STA. 570+64.37		TO STA. 570+64.37		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

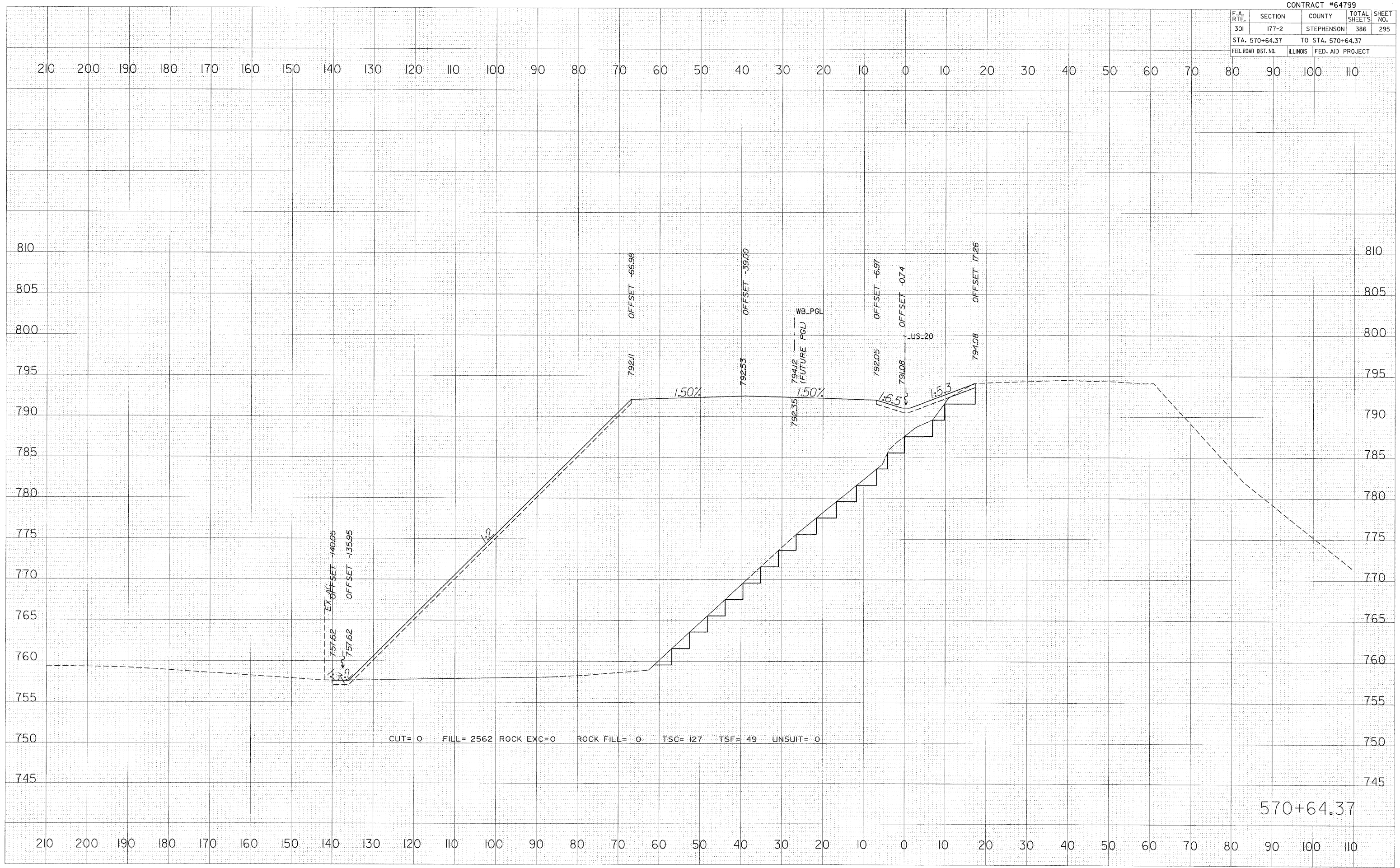
DATE	BY

NO.	AREAS CHECKED

DATE	BY

NO.	AREAS CHECKED

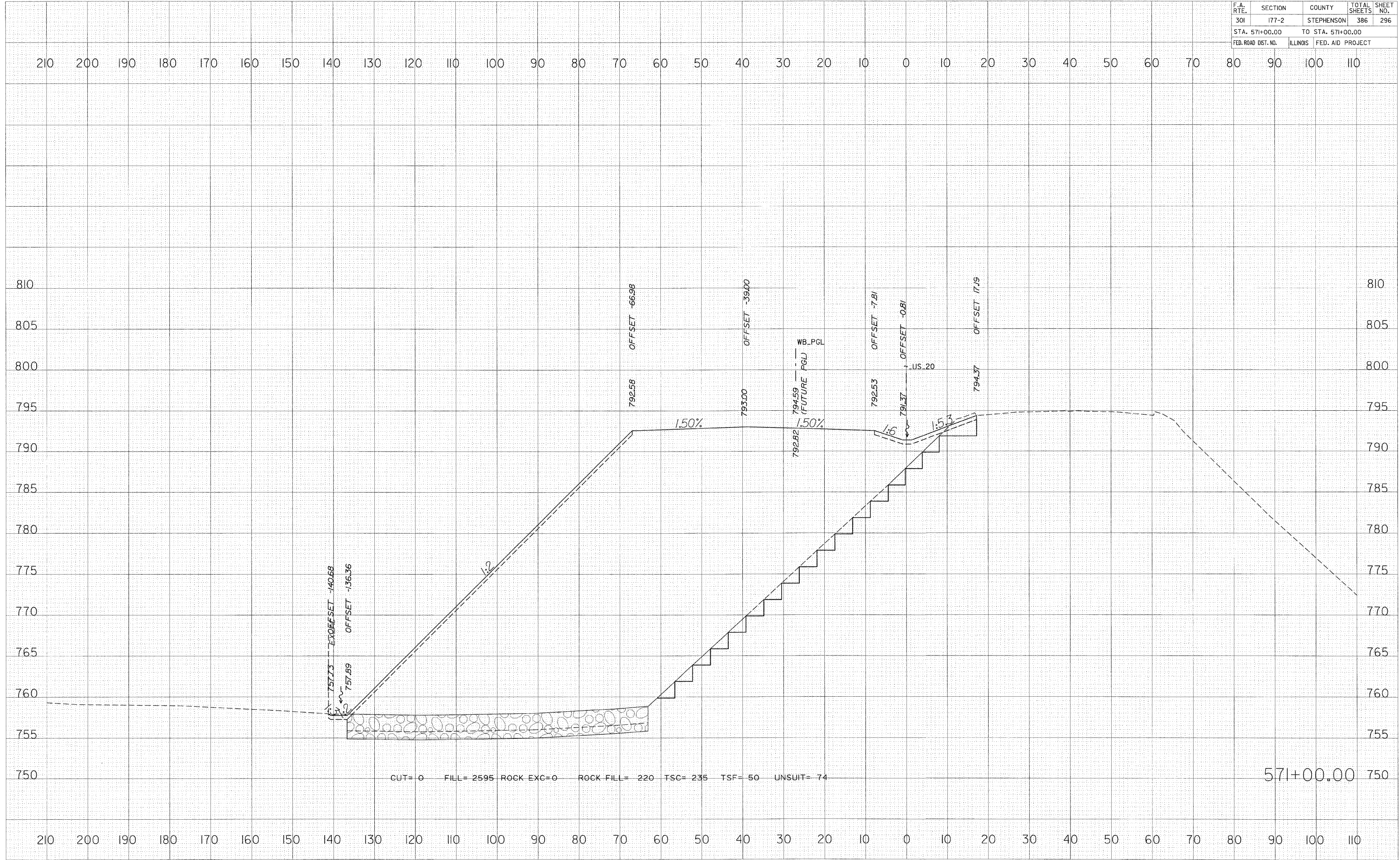
PLOT DATE = 3/11/2010
 FILE NAME = 0FILEL9
 USER NAME = 0USER4



CUT= 0 FILL= 2562 ROCK EXC=0 ROCK FILL= 0 TSC= 127 TSF= 49 UNSUIT= 0

570+64.37

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	296
STA. 571+00.00		TO STA. 571+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



BY	DATE

FINAL SURVEY	DATE

BY	DATE

ORIGINAL SURVEY	DATE

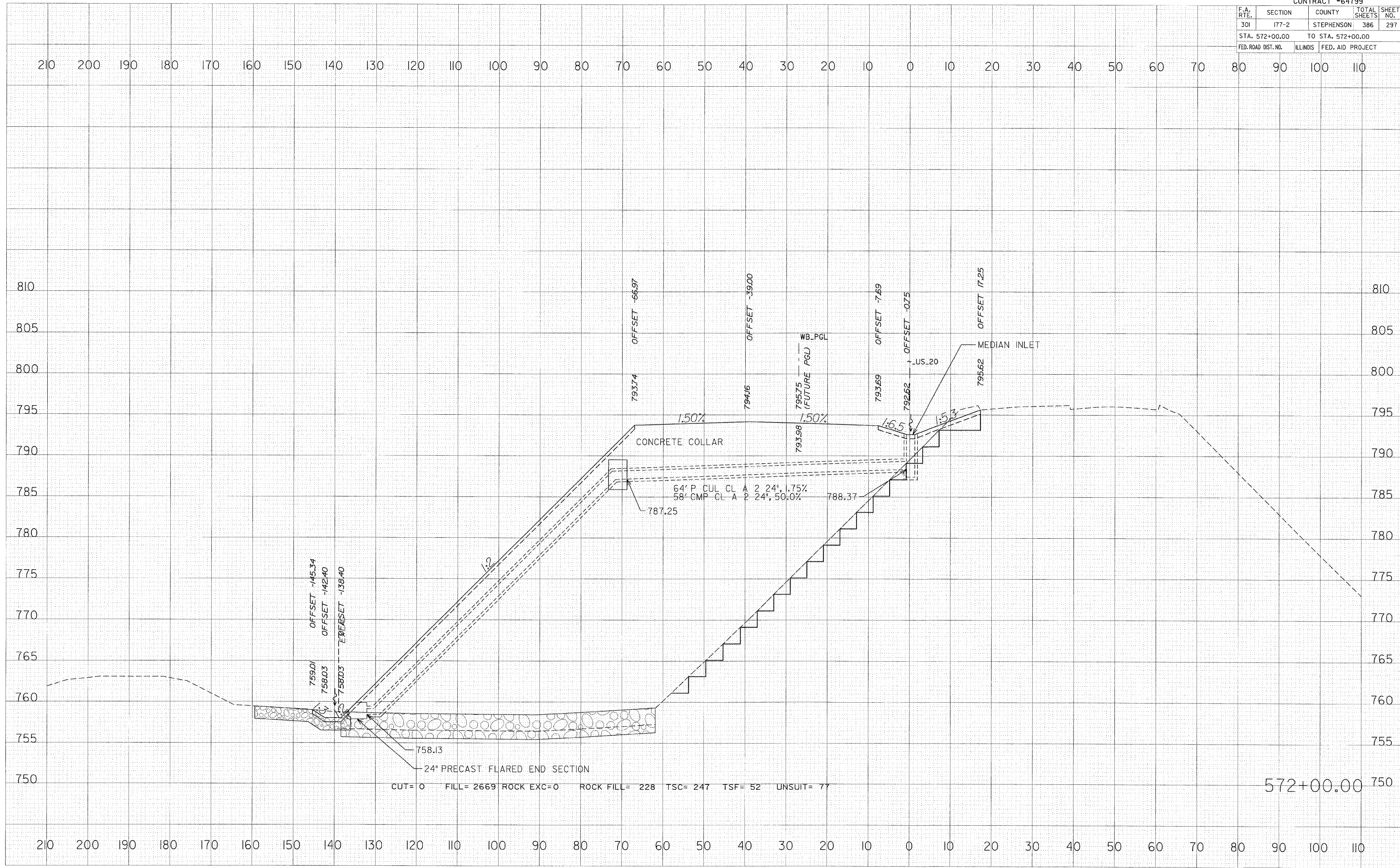
PLOT DATE = 3/11/2018
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 USER NAME = #USER#

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	I77-2	STEPHENSON	386	297
STA. 572+00.00		TO STA. 572+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

PLOT DATE = 3/11/2010
 FILE NAME = #FILE#
 SCALE = #SCALE#
 USER NAME = #USER#



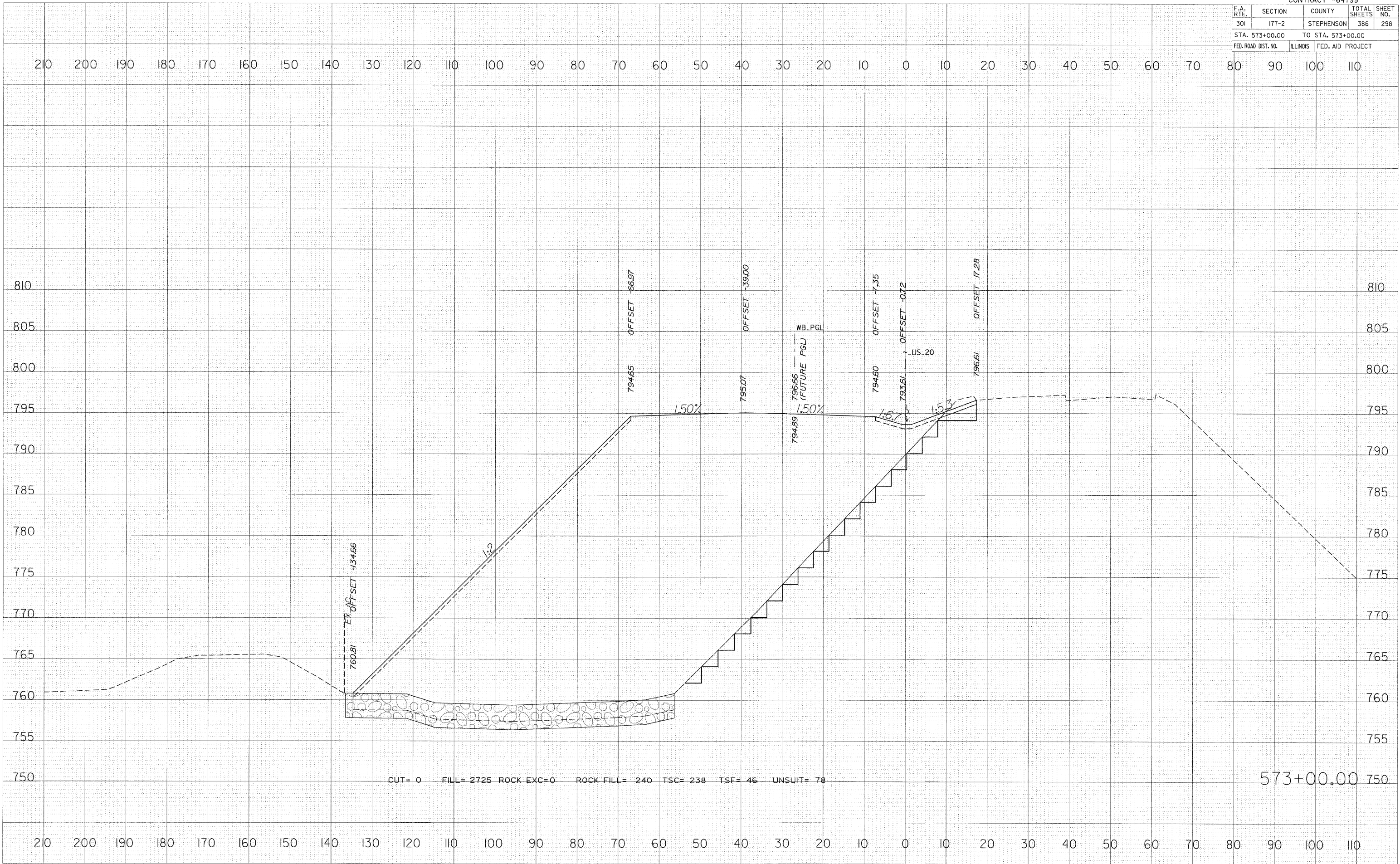
572+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	298
STA. 573+00.00		TO STA. 573+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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

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

PLOT DATE = 9/11/2010
 FILE NAME = #FILE#
 SCALE = #SCALE#
 USER NAME = #USER#

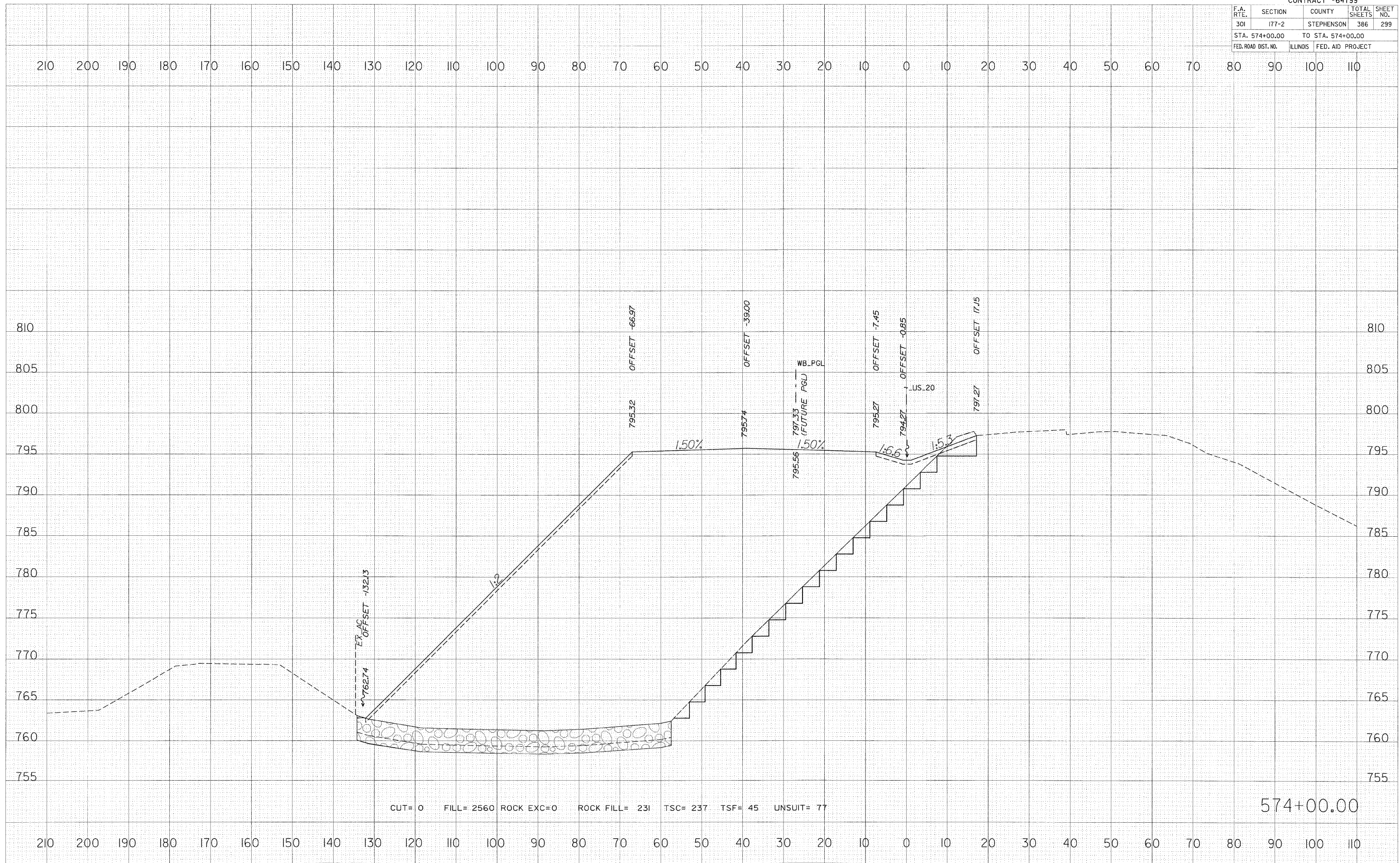


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	299
STA. 574+00.00		TO STA. 574+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

PLOT DATE = 3/11/2010
 FILE NAME = FILEL\$
 SCALE = 1"=40'
 USER NAME = BUSEY



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	177-2	STEPHENSON	386	300
STA. 575+00.00		TO STA. 575+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	DATE
SUPERVISOR PLOTTED	
NOTE BOOK	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SUPERVISOR PLOTTED	
NOTE BOOK	
AREAS CHECKED	

PLOT DATE = 3/11/2010
 FILE NAME = 8FLE19
 PLOT SCALE = 1"=40'
 USER NAME = JUBEN

