

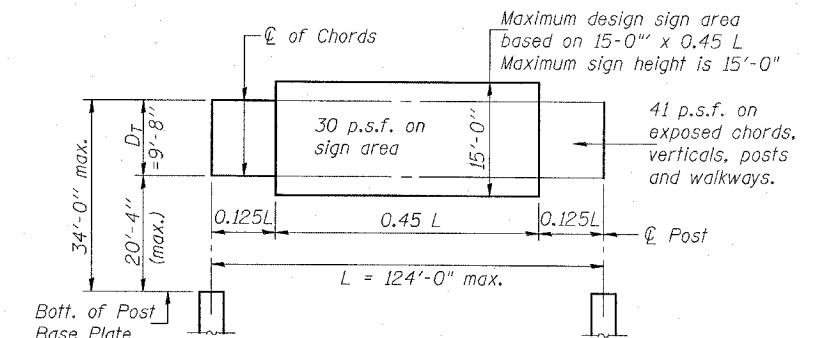
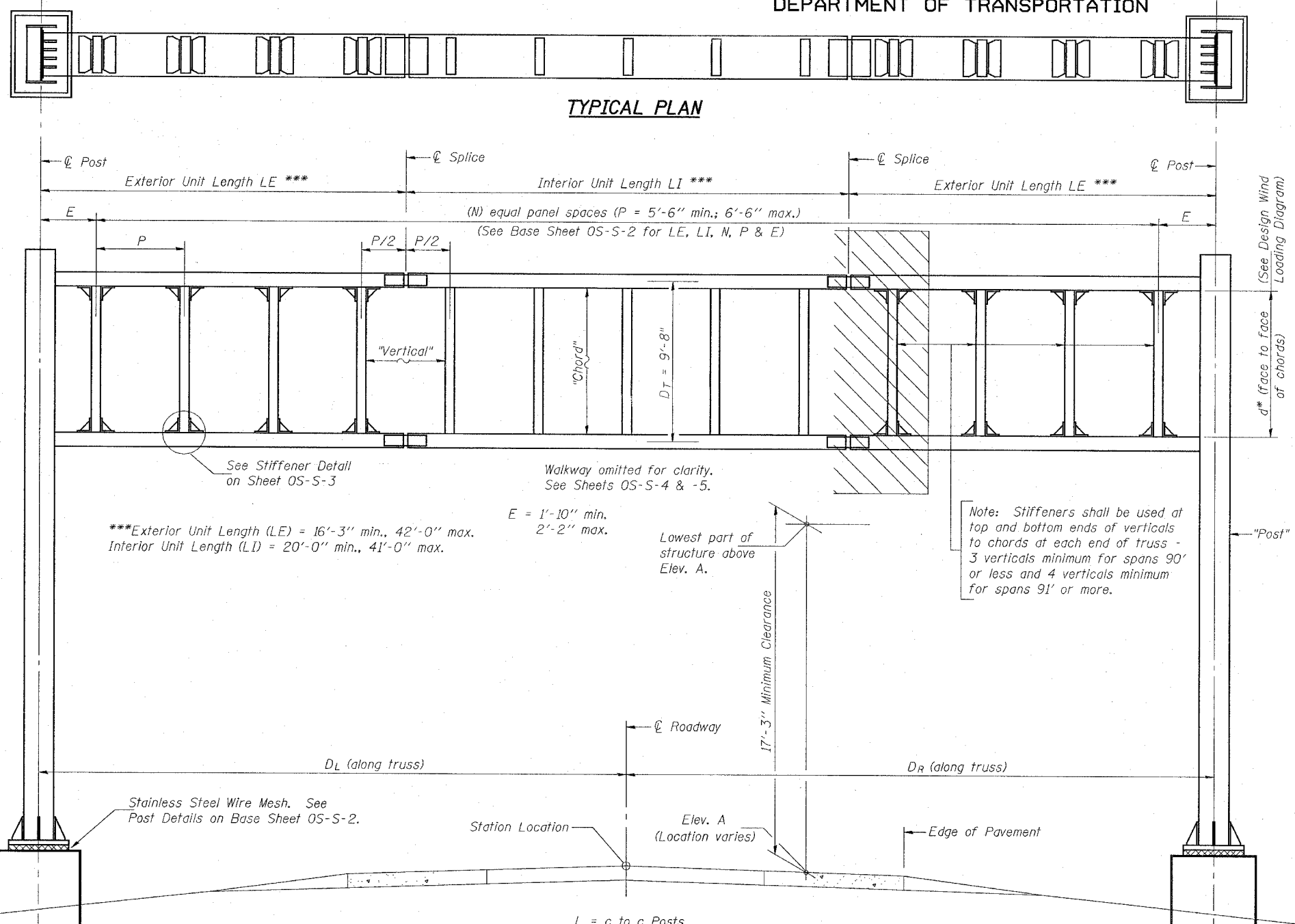
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DEPARTMENT OF TRANSPORTATION

Note 1: Utilize construction specifications current at time contract is advertised. Original design based on 1994 AASHTO Specifications, but modifications shall meet current specifications.

SECTION 60-14-2		CONTRACT NO. 76986	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
310		MADISON	418 101
STA. 1947+00		TO STA. 1948+75	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

GENERAL NOTES

**SPECIFICATIONS:**  
**DESIGN:** AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals - (Note 1)  
**CONSTRUCTION:** Standard Specifications for Road and Bridge Construction, State of Illinois; Supplemental Specifications for Road and Bridge Construction; Standard Specifications for Traffic Control Items and Special Provisions. (Note 1)  
**MINIMUM CLEARANCE:** Vertical Roadway Clearance = 17'-3" (All Obstructions)  
**LOADING:** 90 M.P.H. WIND VELOCITY.  
**WIND LOADING:** 30 p.s.f. normal to Sign Panel Area as shown below in Wind Loading Diagram plus 41 p.s.f. normal to exposed frame members.  
**WALKWAY LOADING:** Dead Load plus 500# concentrated Live Load.  
**MATERIALS:**  
**REINFORCEMENT BARS** shall conform to the requirements of AASHTO M31 or M53, Grade 60. Reinforcement designated (E) shall be epoxy coated in accordance with Art. 706.10 of the Standard Specifications.  
**CLASS SI CONCRETE** shall be used throughout.  
**STRUCTURAL STEEL:** All material for truss units, post assemblies, angles, gussets and chord splices shall conform to either ASTM A 500 Grade C or AASHTO M 270 Grade 50 or 50W (M-223 Gr. 50 or M-222). For splice shims, sign brackets, walkways, etc., see respective details.  
 Material identified by a "CVN" in structural details must satisfy heat (H) lot frequency longitudinal Charpy V-Notch (CVN) impact test requirements of 15 ft.-lbs. at 40° F., per AASHTO T-243 and T-244. This shall include: chords; verticals; posts, 1/2" gusset plates, 3/4" chord-to-post stiffener plates and bracing angles; and all chord splice material except shims.  
**HIGH STRENGTH BOLTS** shall conform to the requirements of AASHTO M 164 and shall be galvanized per ASTM B695, Class 50.  
**PAINTING:** The inorganic zinc-rich primer/Acrylic/Acrylic Paint System shall be used for shop and field painting of new structural steel, except anchor bolts and stainless steel screen shall not be painted. The color of the final acrylic coat shall be "Reddish Brown", Munsell No. 2.5 YR 3.4. If acrylic coats are shop-applied, proper cure of the zinc primer shall first demonstrate a MEK Resistance Rating of 4 or greater when tested per ASTM D 4752. See the Special Provision "Cleaning and Painting Metal Structures".  
**WELDING:** All welding shall be in accordance with the Standard Specifications for Road and Bridge Construction. (Note 1)  
**ANCHOR BOLTS:** Shall conform to AASHTO M-314 Gr. 55 with a minimum Charpy V-Notch (CVN) energy of 15 ft.-lbs. at -10° F. (test prior to galvanizing).  
**CONCRETE SURFACES:** Bridge Seat Sealer shall be applied to all concrete surfaces above an elevation 6" below the final ground line in accordance with Art. 587 of the Standard Specifications. (Cost incidental to Drilled Shaft Concrete Foundations.)



**TYPICAL ELEVATION**  
 Elev. A = Elevation on roadway below point of minimum clearance to structure (walkway support or truss).  $D_L$  and  $D_R$  measured along truss.

Sign Structure Number	Station	L=c to c Posts	Elev. A	Dim. $D_L$	Dim. $D_R$
8S060S255R006.3	18+430	76.0	136.812	24.0	52.0
ENG STA 1948+50					
8S060S255L013.9	30+760	62.5	156.990	36.25	26.25
8S060S255R016.0	34+025	60.0	167.263	26.5	33.5

\*d = 9'-2"

**TOTAL BILL of MATERIAL**

OVERHEAD SIGN STRUCTURE - SPAN (SPECIAL)	METER	60.5
OVERHEAD SIGN STRUCTURE WALKWAY - TYPE S	METER	35.7
DRILLED SHAFT CONCRETE FOUNDATIONS	CU M	25.2

**OVERHEAD SIGN STRUCTURES  
GENERAL PLAN AND ELEVATION**

**FAP 310  
SECTIONS 60-14-2 & 60-14-2B  
MADISON COUNTY**

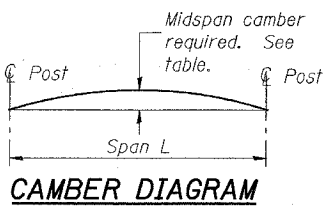
(Sheet 1 of 6)

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 CHECKED - \_\_\_\_\_  
 DRAWN - \_\_\_\_\_  
 CHECKED - \_\_\_\_\_

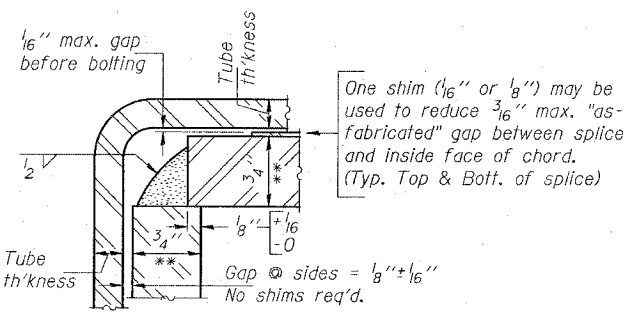
EXAMINED \_\_\_\_\_  
 PASSED \_\_\_\_\_  
 ENGINEER OF BRIDGE DESIGN  
 ENGINEER OF BRIDGES AND STRUCTURES

OS-S-1 SPECIAL 7/01/2006

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

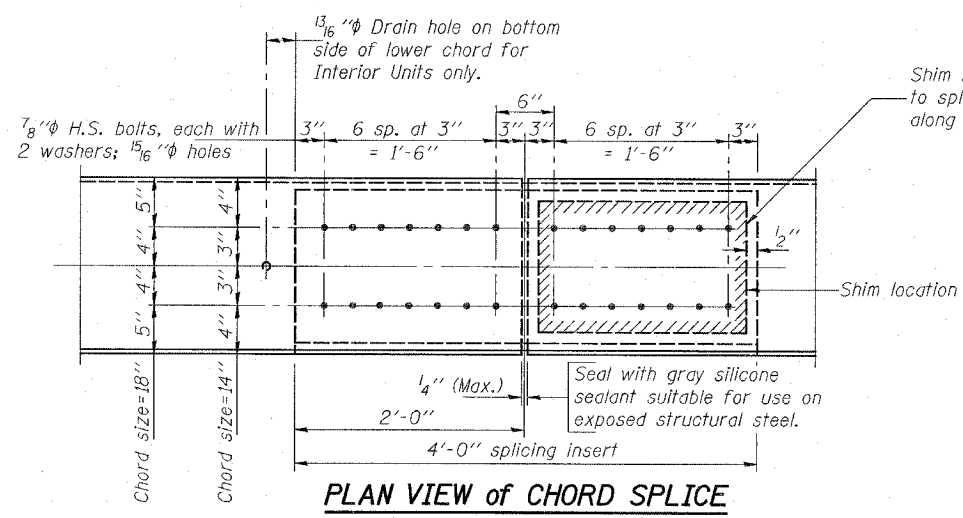


Camber may be either continuous curve or straight segments with "kinks" at splices.

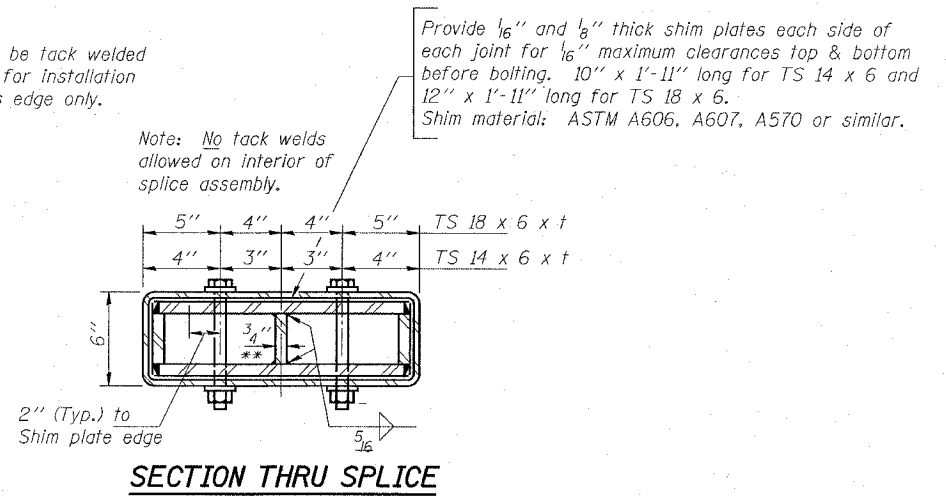


Corner of Chord Splice

Span L	Camber at Midspan	Chord **	Vertical **	Post **
Up to 50'	2"	TS 14 x 6 x 3/8	TS 10 x 6 x 3/8	W 24 x 104
51' to 70'	4"	TS 14 x 6 x 3/8	TS 10 x 6 x 3/8	W 24 x 104
71' to 80'	4"	TS 14 x 6 x 3/8	TS 10 x 6 x 3/8	W 24 x 104
81' to 90'	6"	TS 18 x 6 x 1/2	TS 14 x 6 x 3/8	W 24 x 104
91' to 100'	6"	TS 18 x 6 x 1/2	TS 14 x 6 x 3/8	W 24 x 104
101' to 110'	6"	TS 18 x 6 x 5/8	TS 14 x 6 x 1/2	W 24 x 104
111' to 124'	6"	TS 18 x 6 x 5/8	TS 14 x 6 x 1/2	W 24 x 104

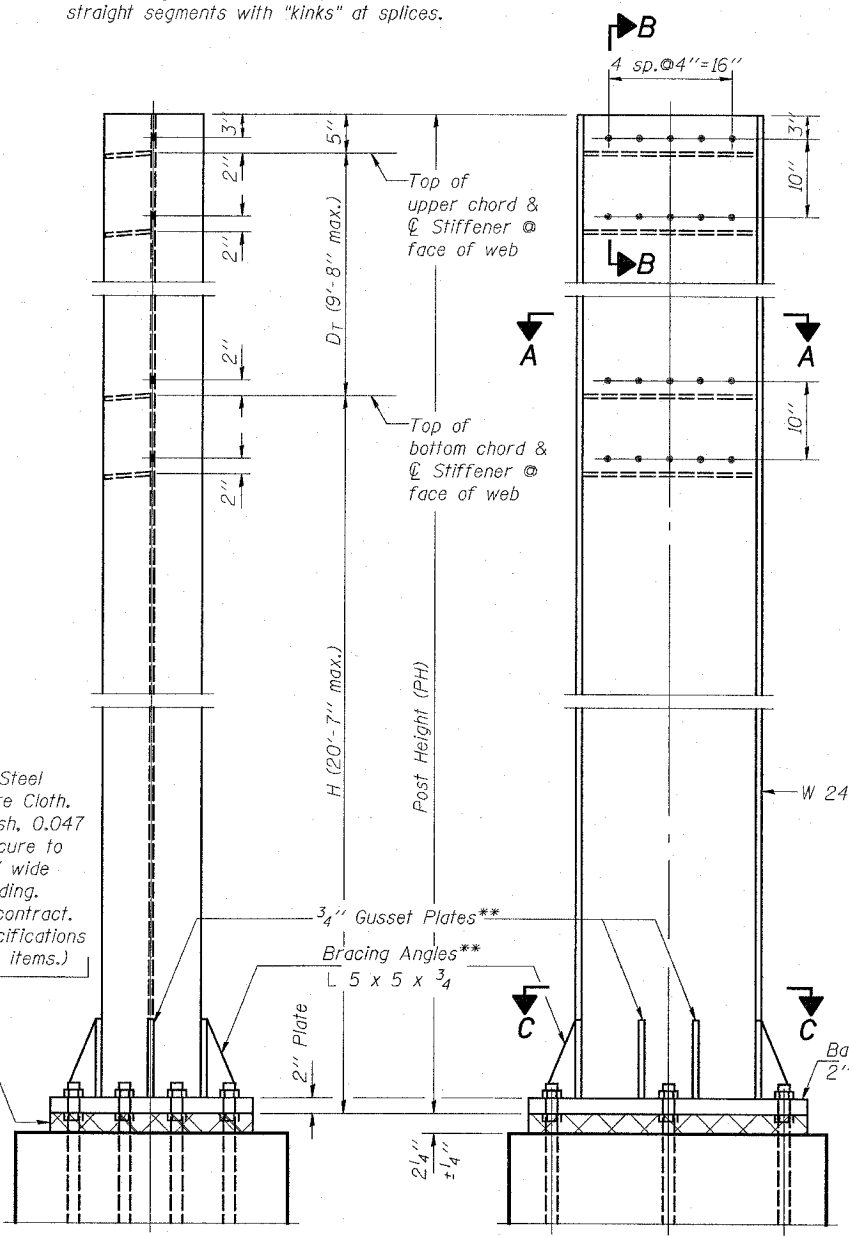


PLAN VIEW of CHORD SPLICE



SECTION THRU SPLICE

3" wide Stainless Steel Standard Grade Wire Cloth. Type 304, 4x4 Mesh, 0.047 wire diameter. Secure to base plate with 1/2" wide Stainless steel banding. Cost incidental to contract. (See Standard Specifications for Traffic Control Items.)



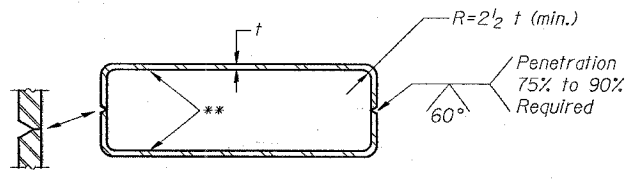
END ELEVATION

SIDE ELEVATION

POST

Sign Structure Number	Station	Span L	DT	Camber @ Midspan	Exterior Unit Lgth. (L.E)	Interior Unit Lgth. (L.I)	No. of Panels (N)	Panel Space (P)	Chord Size	Vertical Size	End Space Dim. E	Left Post Dim. H	PH Left	Right Post Dim. H	PH Right
8S060S255R006.3	18+430	76.0	9' 8"	4"	26.0	24.0	12	6.0	TS14X6X3/8	TS10X6X3/8	2.0	17.684	27.767	17.684	27.767
ENG STA 1948+50															
8S060S255L013.9	30+760	62.5	9' 8"	4"	21.5	19.5	9	6.5	TS14X6X3/8	TS10X6X3/8	2.0	19.355	29.438	19.304	29.388
8S060S255R016.0	34+025	60.0	9' 8"	4"	17.5	25.0	9	6.25	TS14X6X3/8	TS10X6X3/8	1.875	19.562	29.646	17.561	27.645

\*\* Indicates CVN test req'd. See General Notes on Sheet OS-S-1.



ALTERNATE BUILT-UP TUBE

Width, depth and thickness shall be as indicated for TS members shown in table.

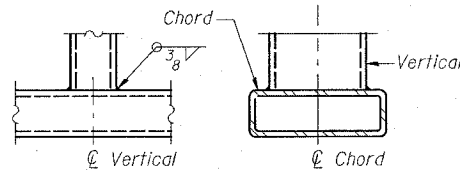
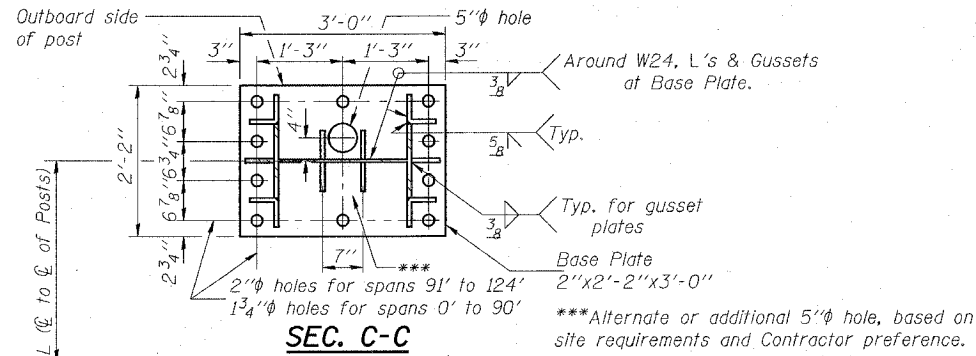
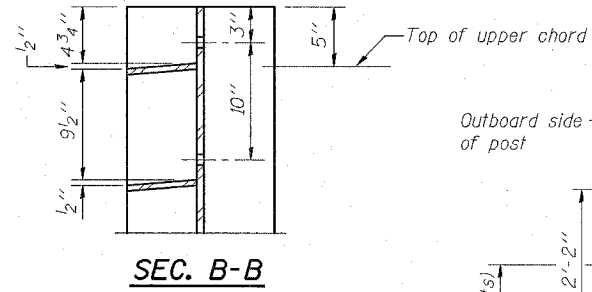
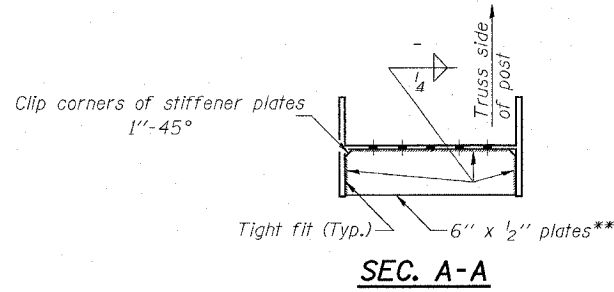
OVERHEAD SIGN STRUCTURES  
 POST and CHORD DETAILS  
 FAP 310  
 SECTIONS 60-14-2 & 60-14-2B  
 MADISON COUNTY

DESIGNED -	200
CHECKED -	EXAMINED
DRAWN -	PASSED
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES

Note: See Sheet OS-S-3 for Sections A-A, B-B and C-C.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SECTION 60-14-2				
CONTRACT NO. 76986				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		MADISON	418	103
STA. 1047+00		TO STA. 1048+75		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

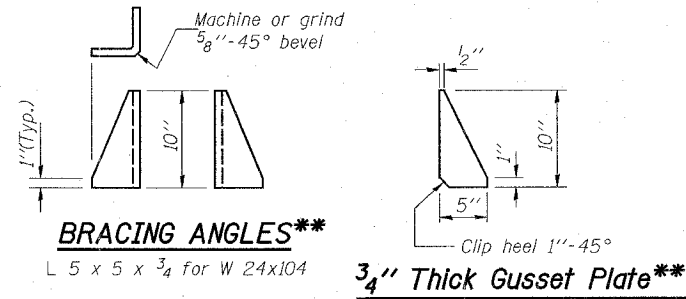


**TYPICAL CONNECTION**

**Chord to Vertical**

See, also, Sheet OS-S-1

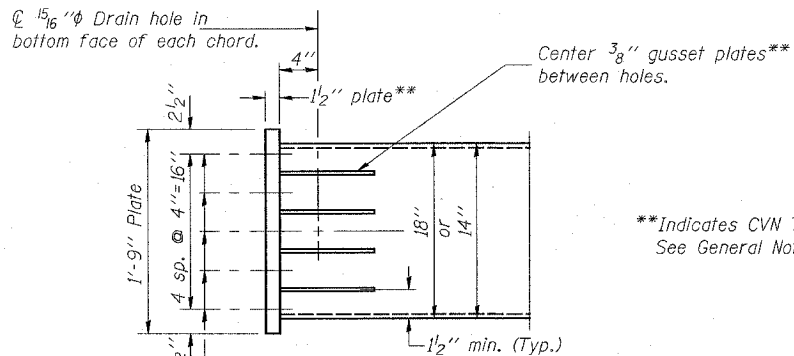
\* Weld = 7/16\"/>



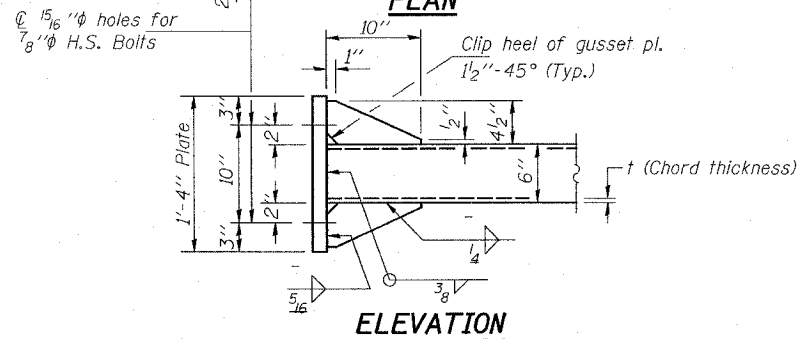
**BRACING ANGLES\*\***

L 5 x 5 x 3/4 for W 24x104

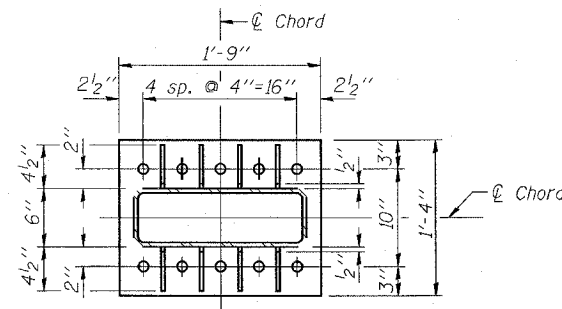
3/4\"/>



**PLAN**

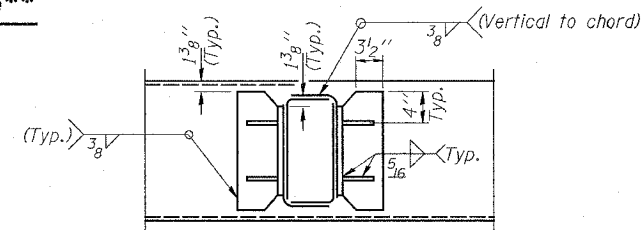


**ELEVATION**

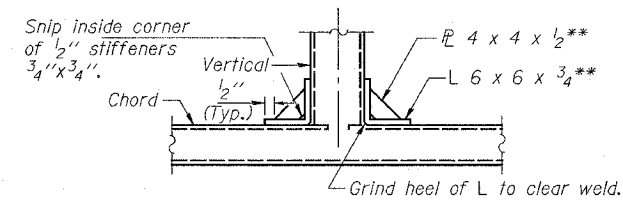


**SECTION**

**CHORD END CONNECTION**



**PLAN**



**ELEVATION**

**STIFFENER DETAIL**

DESIGNED -	200
CHECKED -	EXAMINED
DRAWN -	PASSED
CHECKED -	ENGINEER OF BRIDGE DESIGN
	ENGINEER OF BRIDGES AND STRUCTURES

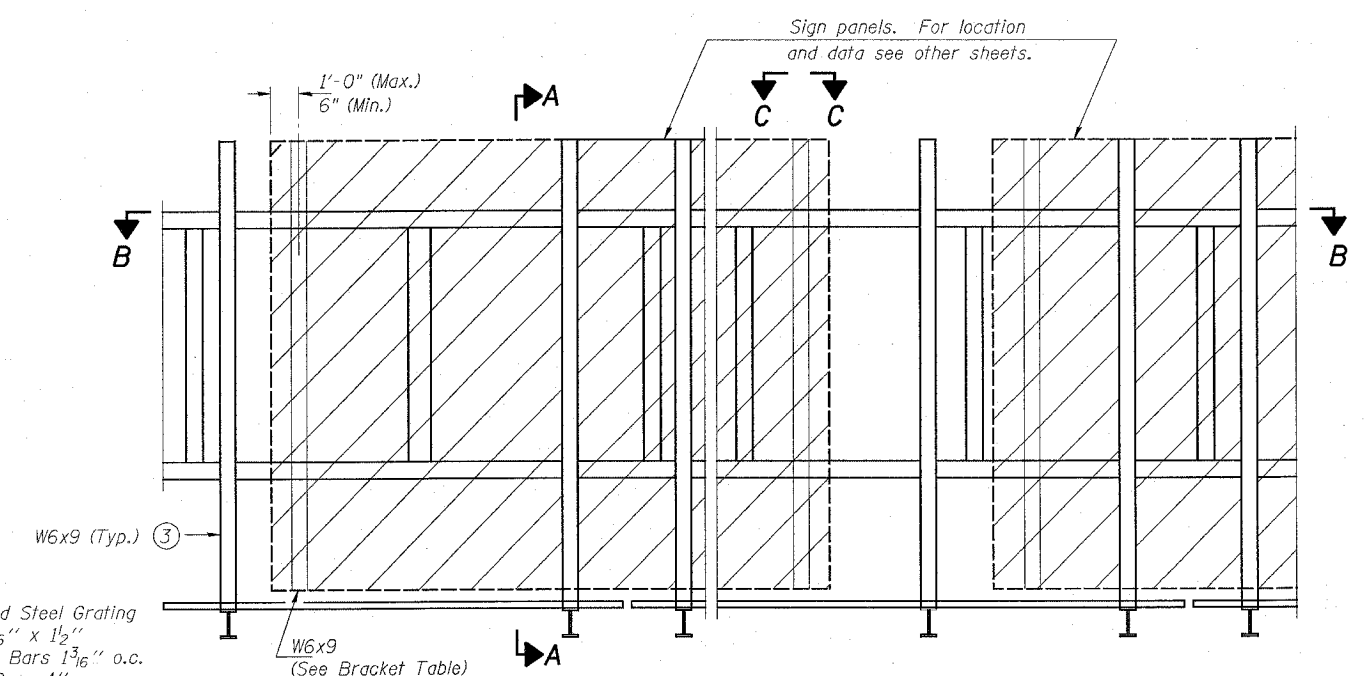
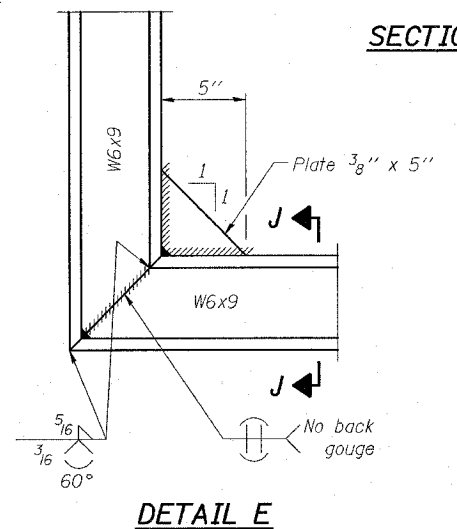
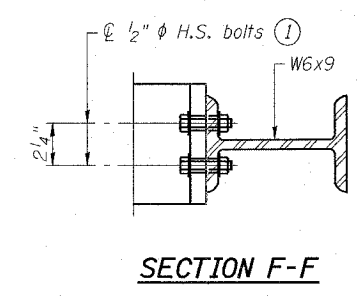
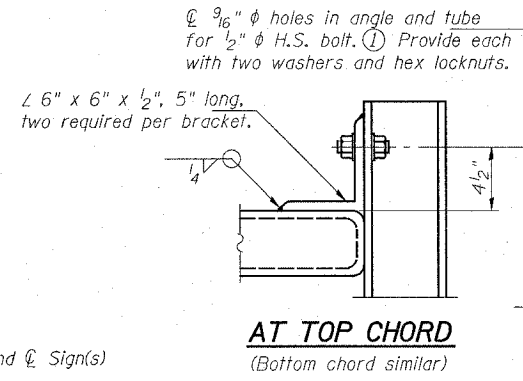
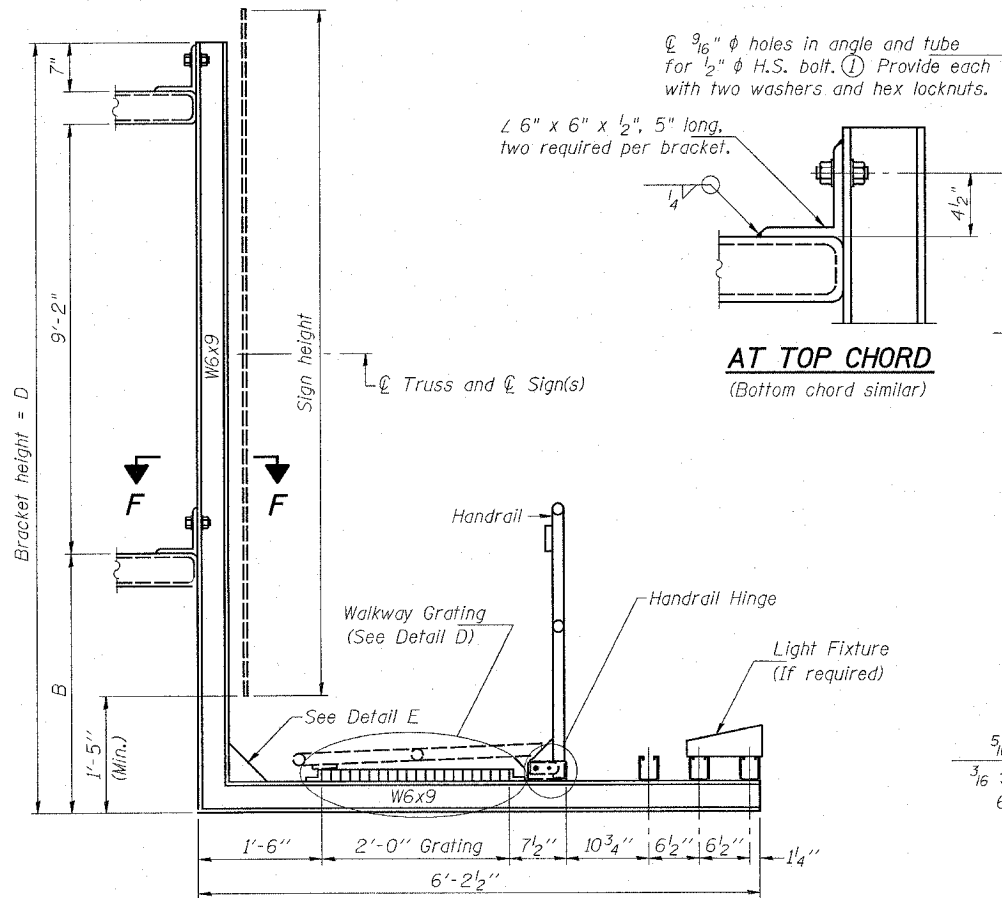
OS-S-3 SPECIAL 7/01/2006

OVERHEAD SIGN STRUCTURES  
POST AND CHORD DETAILS

SIGNING PLANS  
FAP 310  
SECTIONS 60-14-2 & 60-14-2B  
MADISON COUNTY

(Sheet 3 of 6)

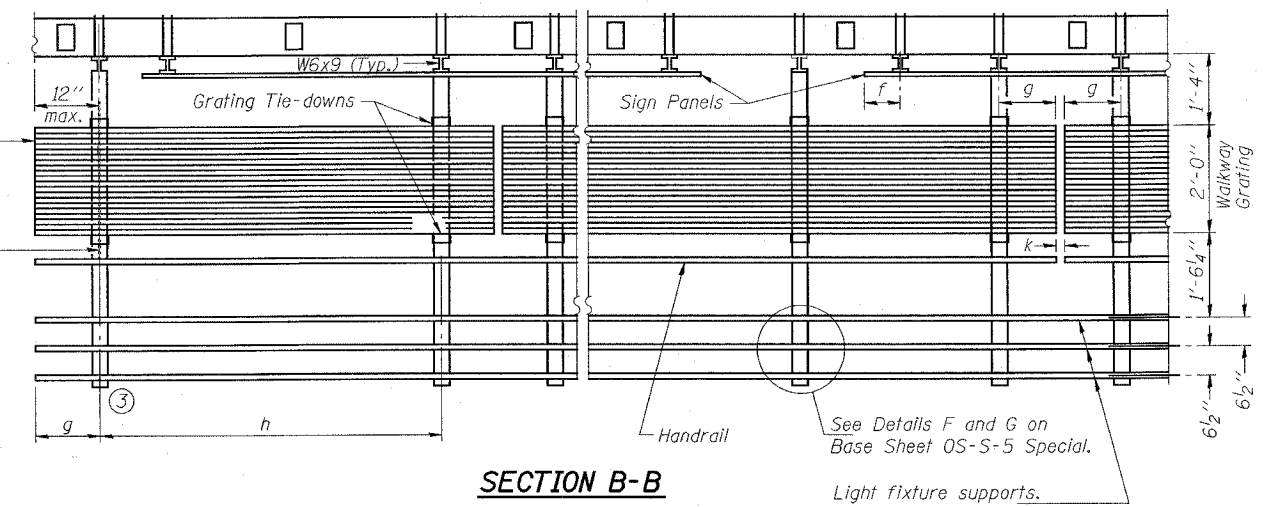
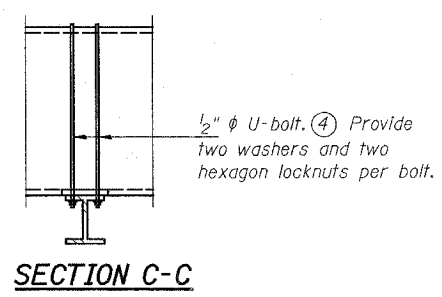
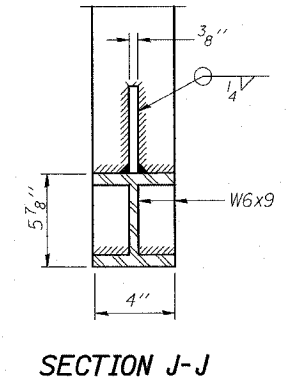
STATE OF ILLINOIS  
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Standard Steel Grating  
 Bars  $\frac{3}{16}$ " x  $1\frac{1}{2}$ "  
 Bearing Bars  $1\frac{3}{16}$ " o.c.  
 Cross Bars 4" o.c.  
 Steel shall conform to:  
 ASTM A-569 with a  
 minimum yield of 30,000 p.s.i.;  
 or AASHTO M 270 Gr. 36,  
 M 270 Gr. 50W, or M 270  
 Gr. 50.

- ① M164, ASTM A325, or SAE Grade 5 bolts are acceptable alternates.
- ② Steel shapes for walkway bracket and sign panel supports, including W6x9,  $L1\frac{1}{2}$ " x 2" x  $\frac{1}{4}$ " and  $L6$ " x 6" x  $\frac{1}{2}$ " shall be AASHTO M270 Gr. 36 or Gr. 50, or an equivalent acceptable to the Engineer.
- ③ End walkway brackets shall be spaced no more than 2'-0" from a truss vertical.
- ④ U-bolts, nuts and washers shall conform to ASTM A307, hot-dip galvanized per AASHTO M232.

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints. Place all sign and walkway brackets as close to panel points as practical. Grating, handrail and light support splices placed as needed. Walkway grating should extend a minimum of 4'-0" past the edge of pavement into the shoulder unless the shoulder width is less than 10'-0". If shoulder width is less than 10'-0" or if the structure is on a low speed ramp, the walkway grating may begin at edge of pavement.



f = 1'-0" maximum, 4" minimum (End of sign to  $\mathcal{C}$  of nearest bracket)  
 g = 12" maximum, 4" minimum (End of walkway grating to  $\mathcal{C}$  of nearest support bracket)  
 h = 6'-0" maximum ( $\mathcal{C}$  to  $\mathcal{C}$  sign and/or walkway support brackets)  
 k = 2" maximum gap between adjacent walkway grating sections and handrail ends

Sign Structure Number	Station	B	D
8S060S255R006.3 ENG STA 1948+50	18+430	4' 5"	14' 8"
8S060S255L013.9	30+760	4' 5"	14' 8"
8S060S255R016.0	34+025	4' 5"	14' 8"

W6x9 ASTM B308, Alloy 6061-T6		Number Brackets Required
Greater Than	Less Than or Equal To	
	10'-0"	2
	16'-0"	3
	22'-0"	4
	28'-0"	5
	34'-0"	6

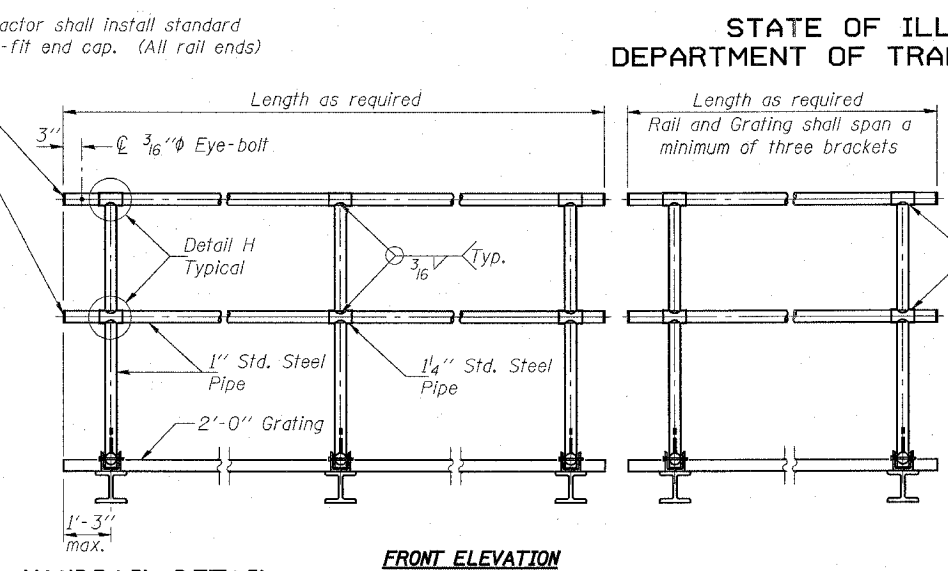
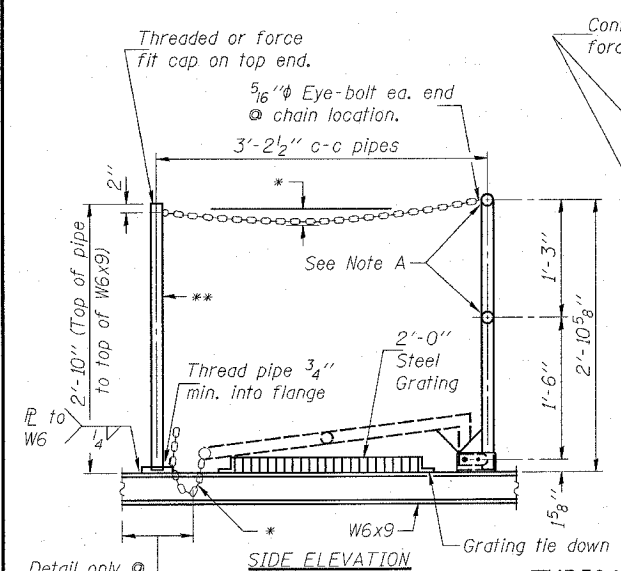
OVERHEAD SIGN STRUCTURES  
 STEEL WALKWAY DETAILS

FAP 310  
 SECTIONS 60-14-2 & 60-14-2B  
 MADISON COUNTY

DESIGNED	200
CHECKED	EXAMINED
DRAWN	PASSED
CHECKED	ENGINEER OF BRIDGES AND STRUCTURES

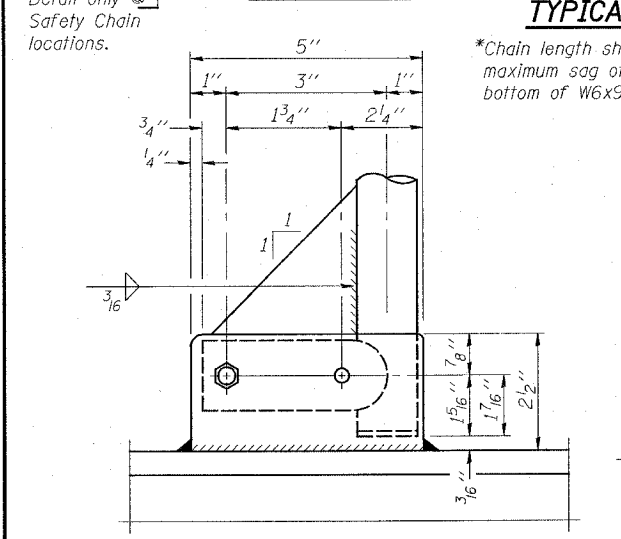
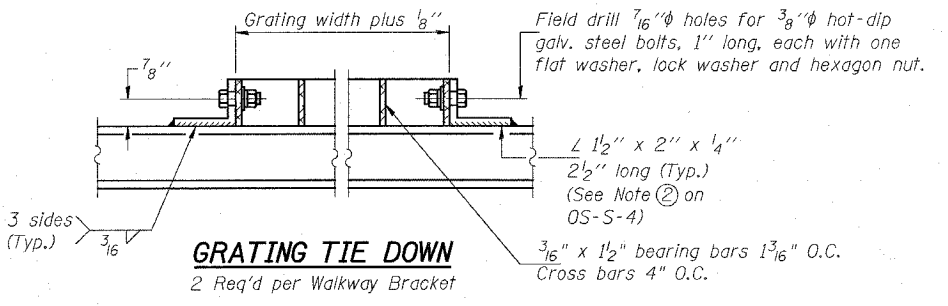


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

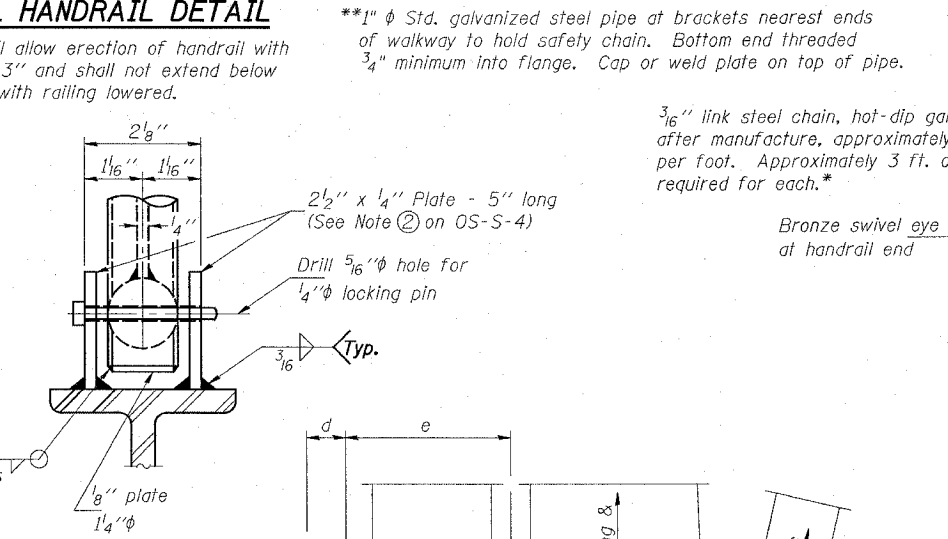


Note A: Horizontal rail member shall be continuous thru fitting. Provide 7/16" hole in fitting for 3/8" hot-dip galvanized bolt. Field drill 7/16" hole in horizontal rail member. Provide washer and locknut for bolt.

Note: Handrail Pipe shall be ASTM A-120 or A53.

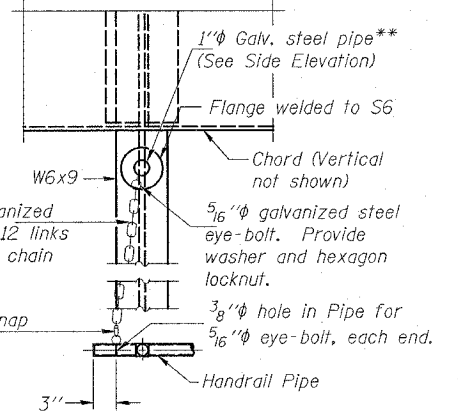


\*Chain length shall allow erection of handrail with maximum sag of 3" and shall not extend below bottom of W6x9 with railing lowered.

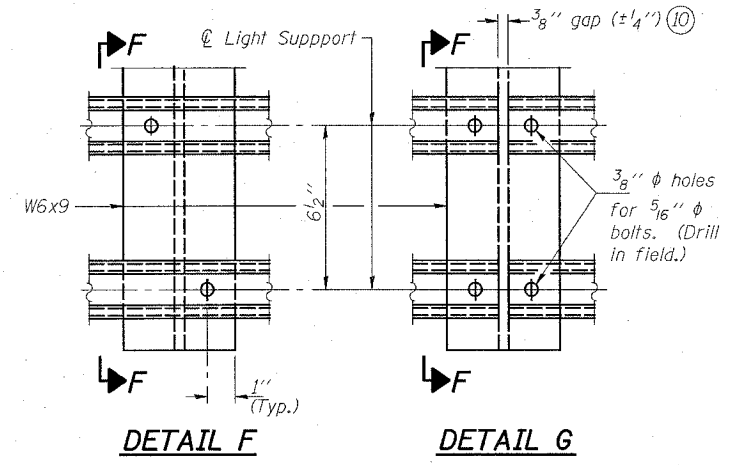


3/16" link steel chain, hot-dip galvanized after manufacture, approximately 12 links per foot. Approximately 3 ft. of chain required for each.\*

Bronze swivel eye snap at handrail end

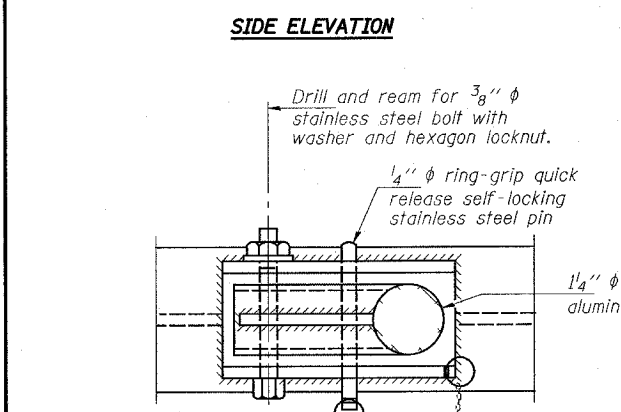


SAFETY CHAIN  
One (1) required for each end of each walkway.

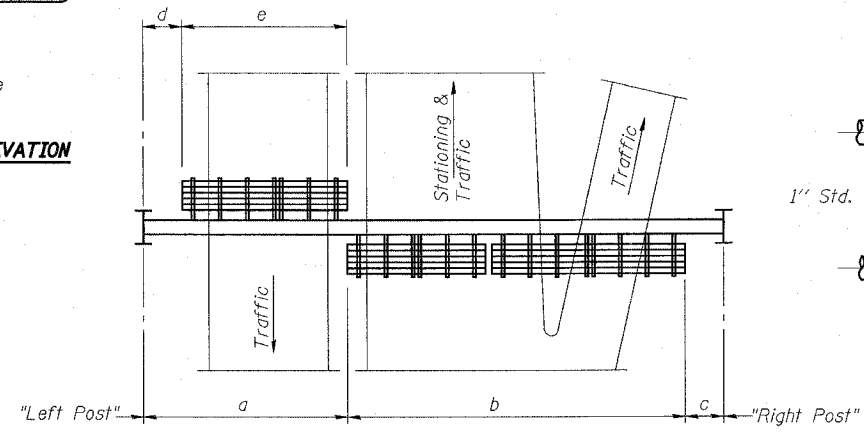


DETAIL F

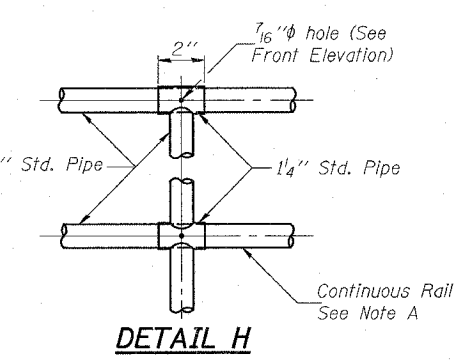
DETAIL G



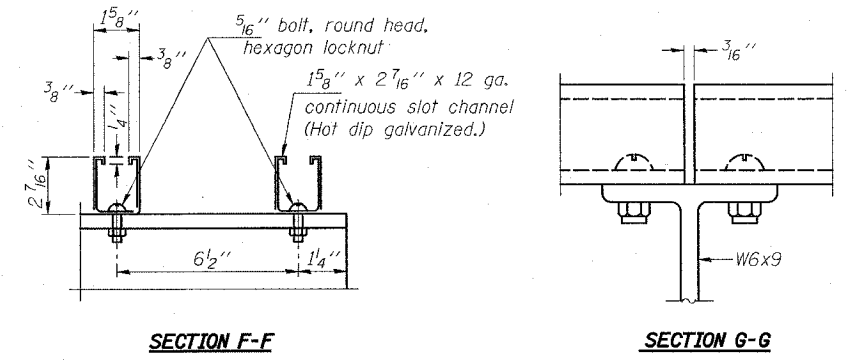
PLAN DETAIL HANDRAIL HINGE



WALKWAY AND HANDRAIL SKETCH  
(Road plan shown beneath truss varies.)



DETAIL H



SECTION F-F

SECTION G-G

LIGHTING FIXTURE MOUNTS (IF REQUIRED)  
Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.

All bolts, nuts and washers shall conform to ASTM A307, hot-dip galvanized per AASHTO M232.

Sign Structure Number	Station	a	b	c	d	e	Grating and Handrail Lengths
8S060S255R006.3 ENG STA 1948+50	18+430	12.0	49.0	15.0	0	0	49.0
8S060S255L013.9	33+760	12.0	36.0	14.5	0	0	36.0
8S060S255R016.0	34+025	14.5	32.0	13.5	0	0	32.0

OVERHEAD SIGN STRUCTURES  
STEEL WALKWAY DETAILS

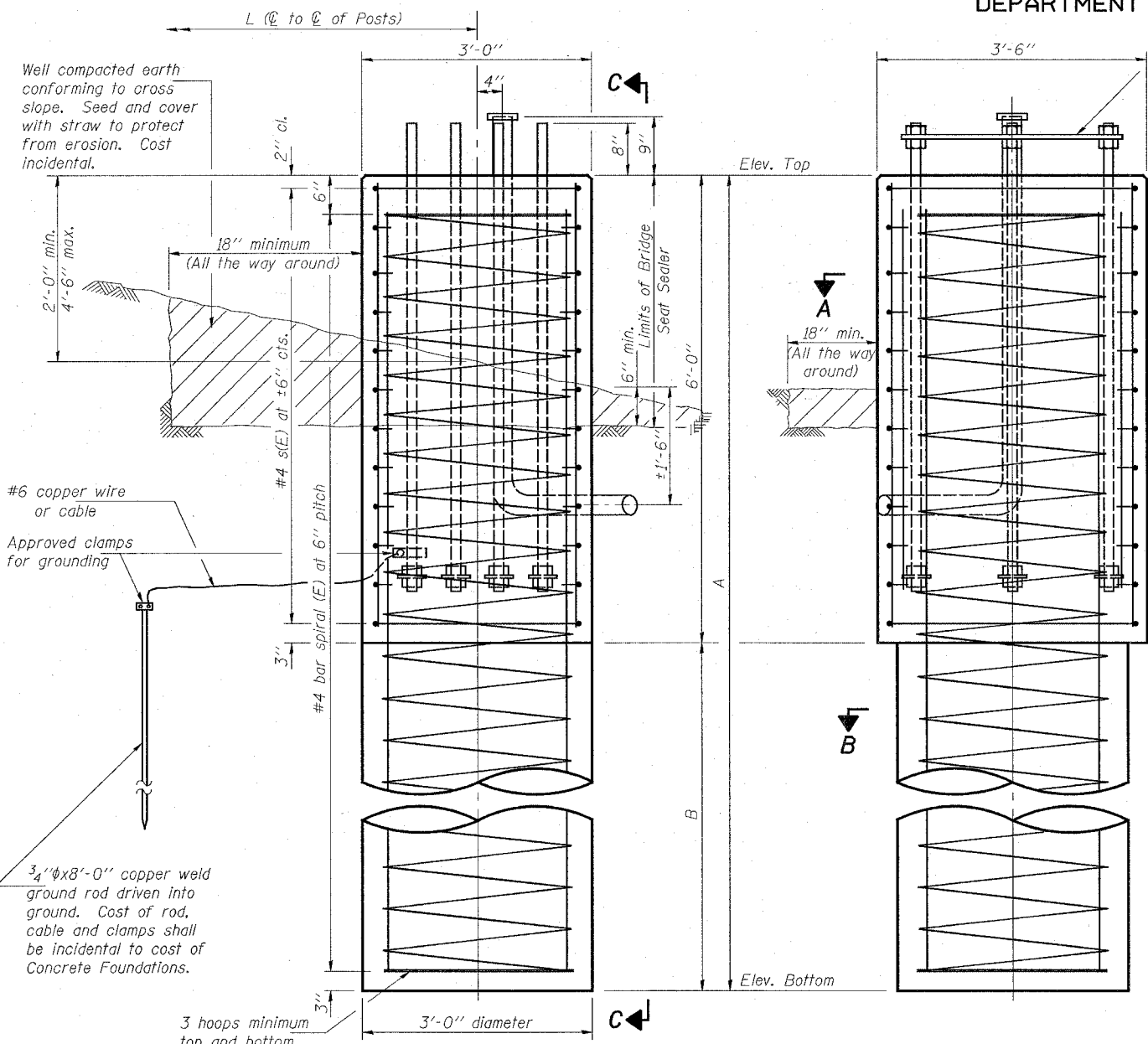
FAP 310  
SECTIONS 60-14-2 & 60-14-2B  
MADISON COUNTY

DESIGNED -  
CHECKED -  
DRAWN -  
CHECKED -

200  
EXAMINED  
PASSED  
ENGINEER OF BRIDGE DESIGN  
ENGINEER OF BRIDGES AND STRUCTURES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		MADISON	418	106
STA. 1047+00		TO STA. 1048+75		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

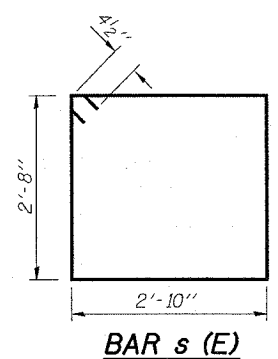


**ELEVATION**  
(Looking parallel to  $\phi$  Roadway)

**VIEW C-C**  
(Looking toward Roadway)

**BAR LIST-EACH FOUNDATION**

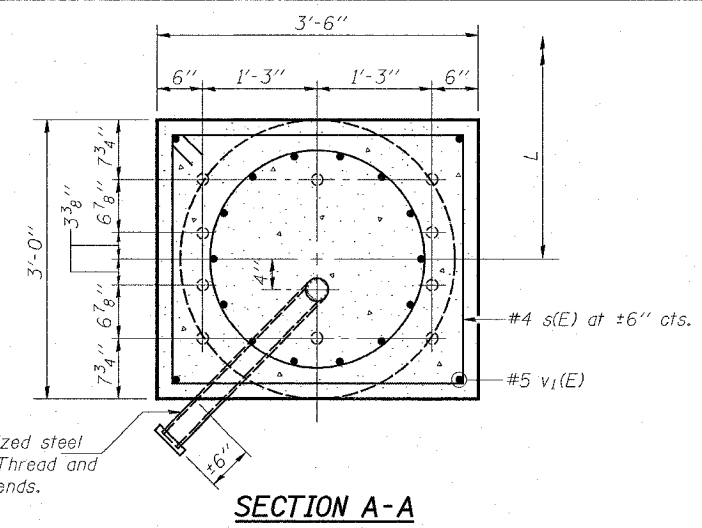
Bar	No.	Size	Length	Shape
s(E)	12	#4	11'-9"	
v(E)	14	#9	B*(5'-7")	
v1(E)	4	#5	5'-3"	
#4 bar spiral (E)-see Elevation				



**BAR s (E)**

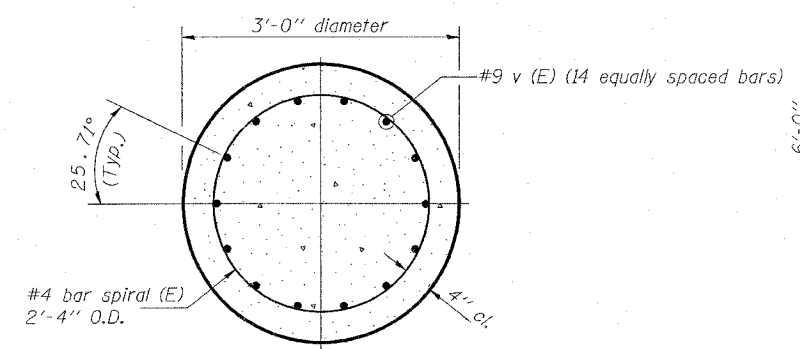
**DEPTH TABLE**

Span	B (min.)
70'	15'
80'	15'
90'	16'
100'	17'
110'	18'
124'	20'

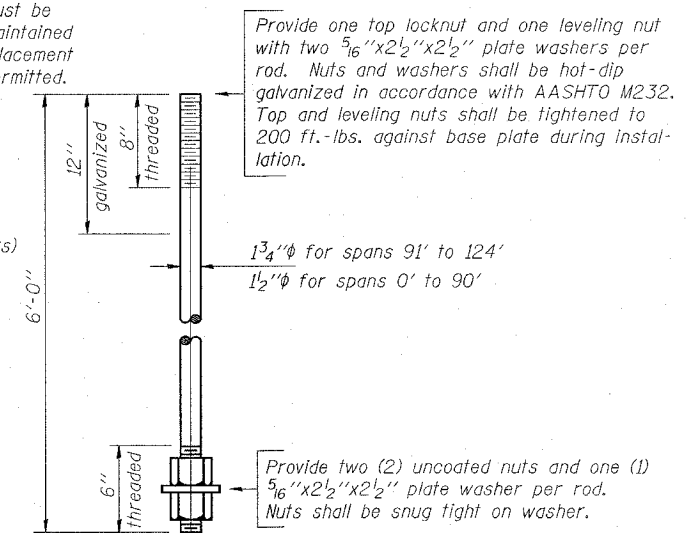


**SECTION A-A**

NOTE: The anchor bolts and reinforcing cage must be in place before pouring concrete, and shall be maintained in proper position during concreting. Concrete placement shall be continuous with no construction joints permitted.



**SECTION B-B**



**ANCHOR BOLT DETAILS**

AASHTO M314 Grade 55. Minimum Charpy V-notch energy requirement of 15 ft.-lbs. at +10° F. before galvanizing. No welding is permitted on rods. Galvanize upper 12" in accordance with AASHTO M232.

Provide one top locknut and one leveling nut with two 5/16"x2 1/2"x2 1/2" plate washers per rod. Nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232. Top and leveling nuts shall be tightened to 200 ft.-lbs. against base plate during installation.

Provide two (2) uncoated nuts and one (1) 5/16"x2 1/2"x2 1/2" plate washer per rod. Nuts shall be snug tight on washer.

Sign Structure Number	Station	B	Anchor Bolt Size	Left Foundation			Right Foundation			Class SI Concrete
				Elev. Top	Elev. Btm.	A	Elev. Top	Elev. Btm.	A	
8S060S255R006.3	18+430	15.0	1.5"	137.518	131.117	21.0	137.518	131.117	21.0	11.0
ENG STA 1948+50										
8S060S255L013.9	30+760	15.0	1.5"	157.180	150.779	21.0	157.196	150.795	21.0	11.0
8S060S255R016.0	34+025	15.0	1.5"	167.39	160.99	21.0	168.00	161.60	21.0	11.0

**OVERHEAD SIGN STRUCTURES  
FOUNDATION DETAILS**

FAP 310  
SECTIONS 60-14-2 & 60-14-2B  
MADISON COUNTY

DESIGNED -	200
CHECKED -	EXAMINED
DRAWN -	PASSED
CHECKED -	

OS-S-6 SPECIAL 7/01/2006

NOTES:  
The foundation details shown are for Average Cohesive Soil Conditions (stiff clays, sandy clays) and with minimum  $Q_u=1.0$  Tons/Sq. Ft., with "Qu" being the average value at various depths of the shaft as determined by previous soil borings.  
Cost of excavation, reinforcement, anchor bolts, conduit, concrete, Bridge Seat Sealer and associated work is incidental to "Drilled Shaft Concrete Foundations".

**GENERAL NOTES**

**SPECIFICATIONS:**

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications") (2)

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

MINIMUM CLEARANCE: 3" greater than bridge members at all locations. (All Obstructions)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 Structural Welding Code (Steel) and the Standard Specifications.

MATERIALS: All Structural Steel Pipe shall be ASTM A53 Grade B with a minimum yield of 35,000 p.s.i., or A500 Grade B or C with a minimum yield of 46,000 p.s.i. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53.

All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 (M183, M223 Gr. 50).

HIGH STRENGTH BOLTS: All bolts, washers, nuts and locknuts shall satisfy the requirements of ASTM designation A307 unless noted as "H.S." which shall require AASHTO M164 (A325), ASTM A449, or approved alternate. All fasteners shall be hot dip galvanized per AASHTO M232 unless otherwise specified.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: All threaded rod conforming to ASTM A307, 3/4"  $\phi$  x 12" long, each with one plate washer and locknut and be hot dip galvanized per AASHTO M232. They shall be either cast into the concrete or epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment in concrete shall be 9".

- Bracket spacing  $g \leq 6'-0"$ , max. Spacing shall be uniform if possible but may vary  $\pm 6"$  to miss existing obstruction (rail post, light poles, web stiffeners, splice plates, etc.). Adjust bracket lengths accordingly on skewed structures.
- Any design modifications shall be based on the current version of applicable specifications and submitted for the Engineer's approval.
- Unit price includes grating, handrail, brackets, supports, anchor bolts, fasteners, fabrication, delivery, erection, field drilling and other necessary items. Limits of payment are based on grating length (cw, dw) unless otherwise specified. For Safety Chain Details and Details D, F and G, see Base Sheet BM-4.
- If walkway bracket at safety chain location is behind sign, add angle to bracket. See detail on Base Sheet BM-4.

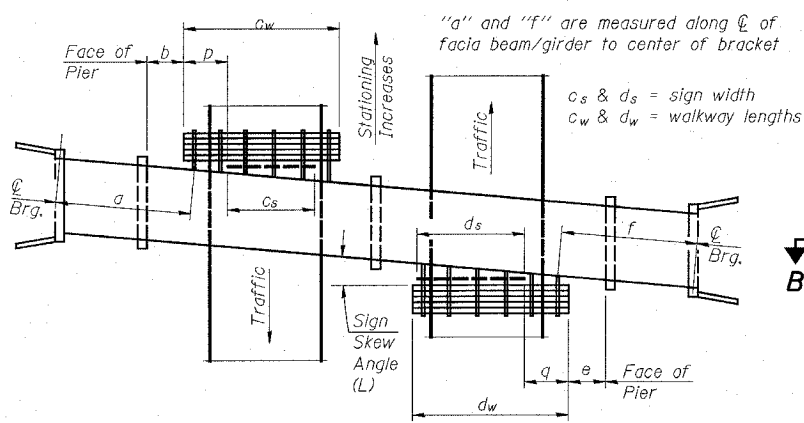
NUMBER	REVISION	DATE

**TOTAL BILL OF MATERIAL**

(3) OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	Foot	28.0'
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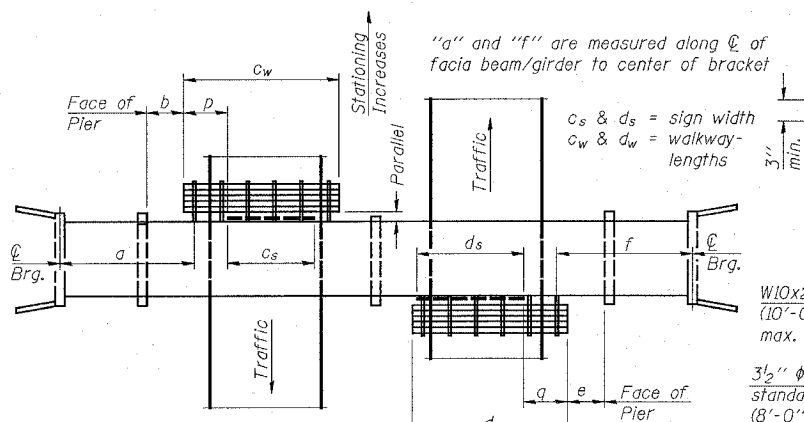
**BRIDGE MOUNT SIGN STRUCTURES  
GENERAL PLAN AND ELEVATION**

FAP 310  
SECTIONS 60-14-2 & 60-14-2B  
MADISON COUNTY



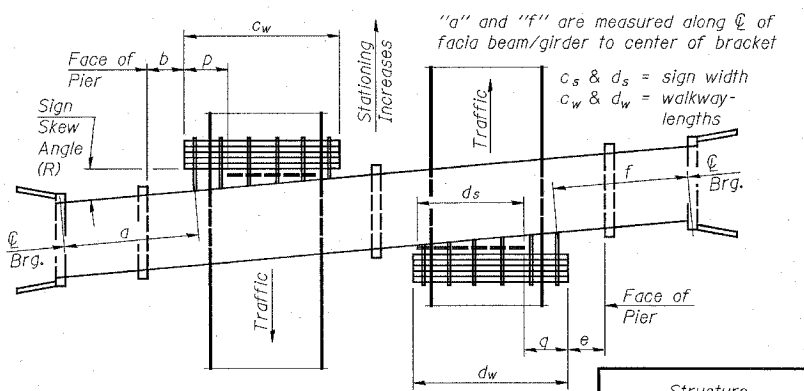
**WALKWAY AND HANDRAIL SKETCH**

(Road plan beneath structure varies.)



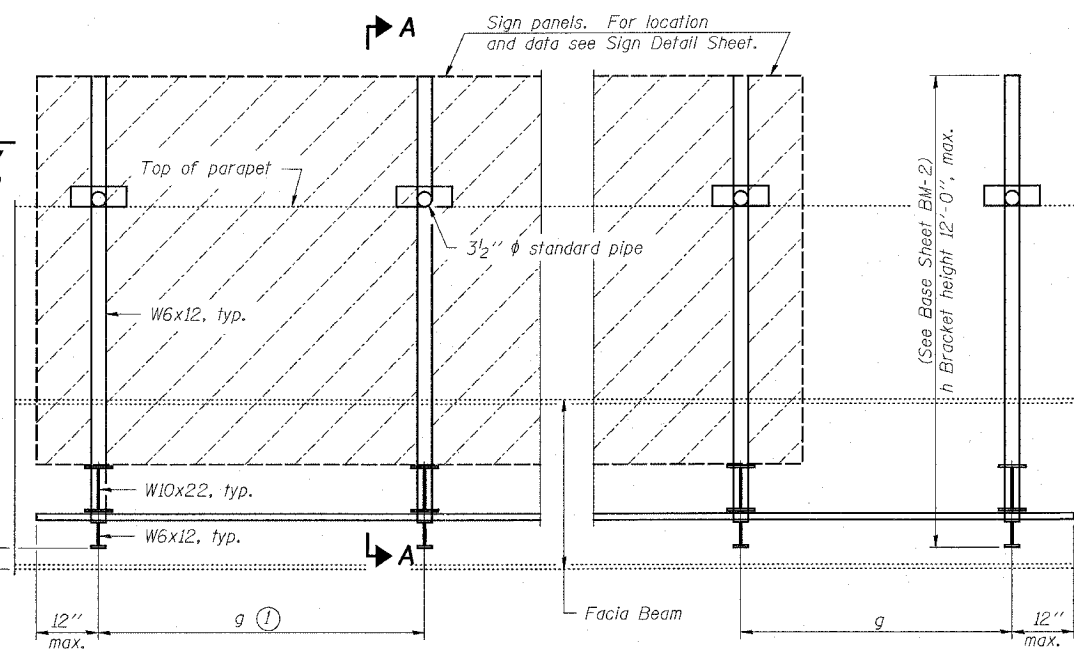
**WALKWAY AND HANDRAIL SKETCH**

(Road plan beneath structure varies.)



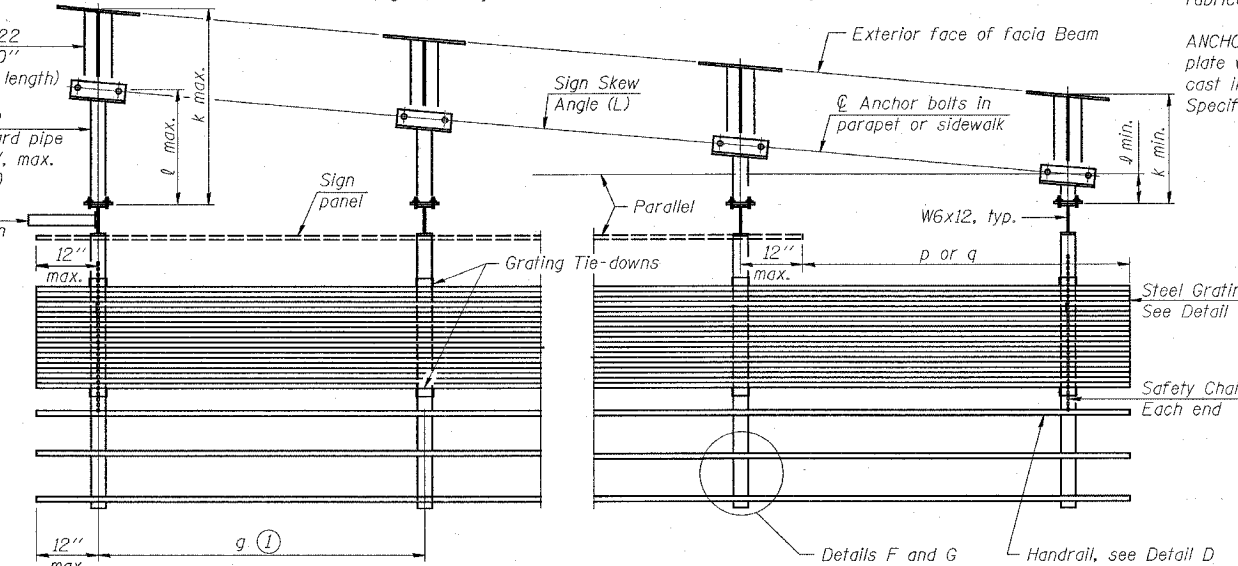
**WALKWAY AND HANDRAIL SKETCH**

(Road plan beneath structure varies.)



**TYPICAL FRONT ELEVATION**

(With lights, safety chain and handrail omitted for clarity.)

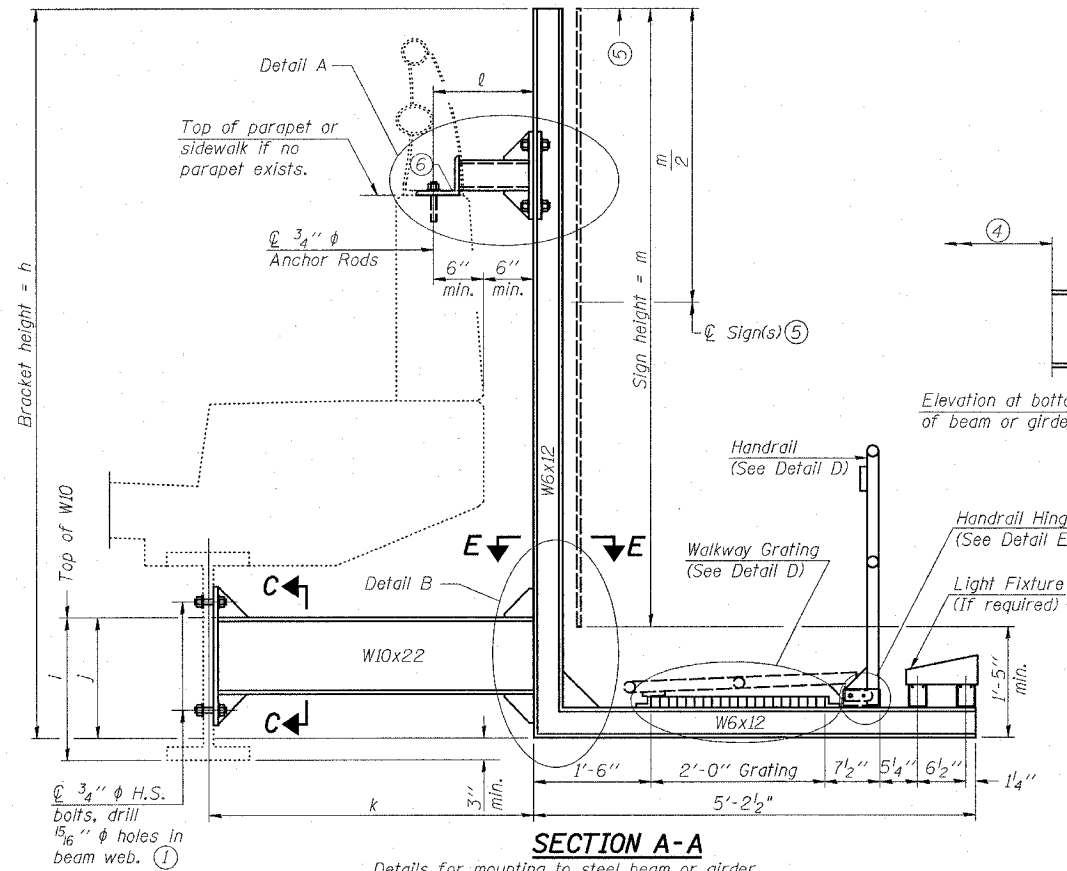


**SECTION B-B**

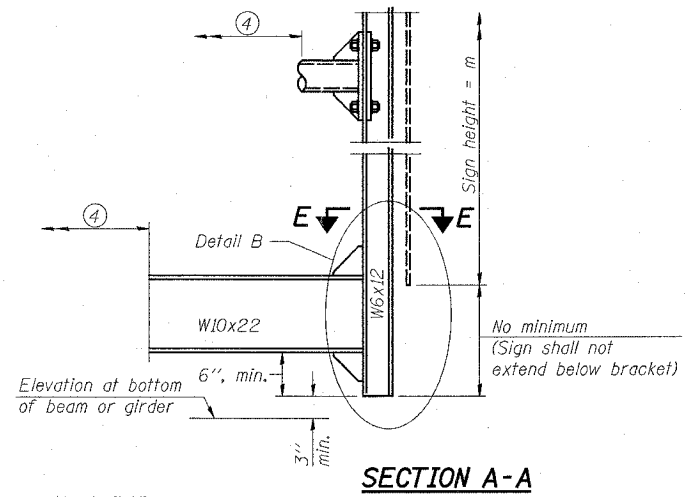
(Shown: Left Sign Skew > 15°)

Structure Number	Sign Skew Angle (L) or (R)	Bridge Station	Bridge Structure Number	Contract Route Designation	a	b	c <sub>s</sub>	c <sub>w</sub>	d <sub>s</sub>	d <sub>w</sub>	e	f	g	No. of Brackets (Total)	p	q	Total Grating/Hndrl. Lengths (c <sub>w</sub> + d <sub>w</sub> )
8B060S255R016.4	5 (R)	34+573.757	060-0304	FAP 310					13.0'	14.0'		33.0'	6.0'	3		0.5'	14.0'
8B060S255L013.6	23.22 (R)	30+213.265	060-0298	FAP 310	33.0'		13.0'	14.0'					6.0'	3		0.5'	14.0'

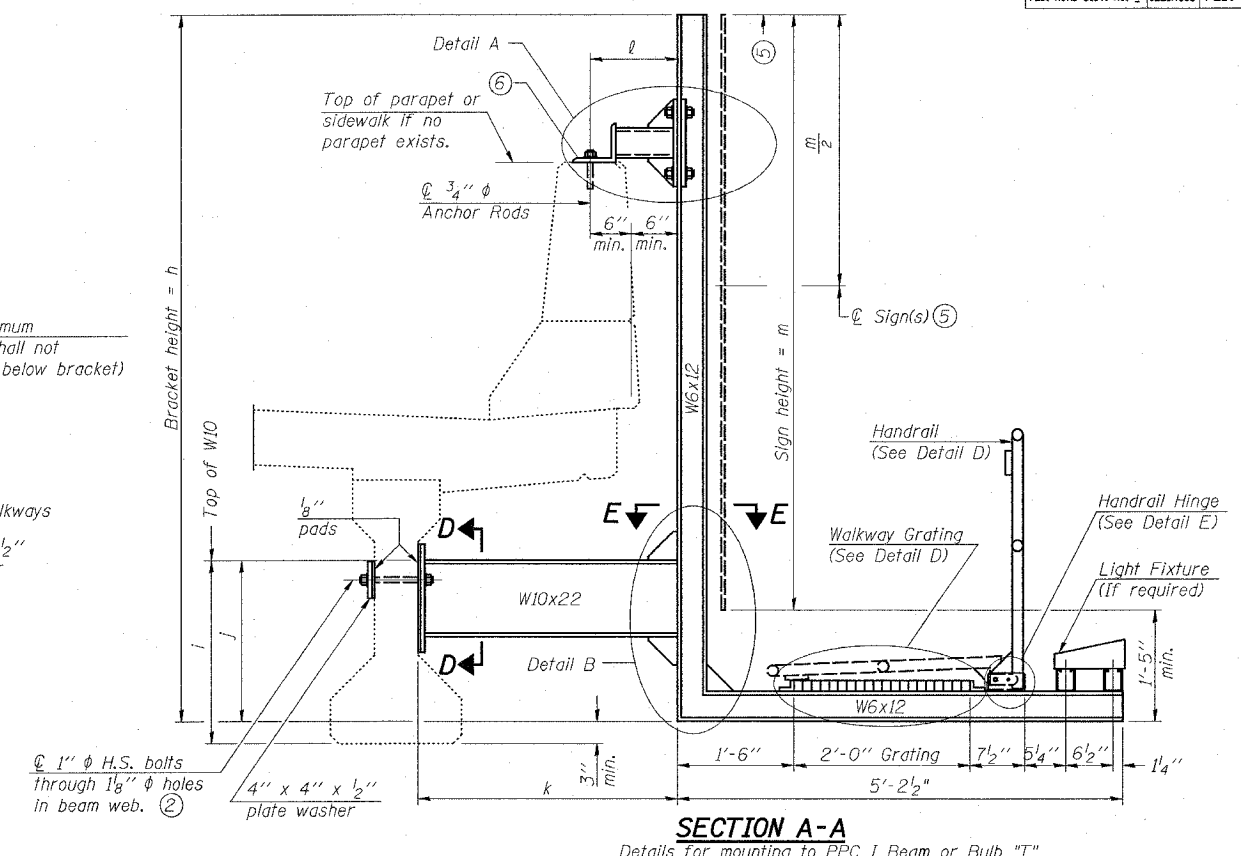
Dimensions a, b, e, f & g may vary as approved by the Engineer, see (1).  
When  $c_w < c_s$  and/or  $d_w < d_s$ , use alternate brackets without walkway supports where applicable, see (3).



**SECTION A-A**  
Details for mounting to steel beam or girder  
& Details for mounting with existing parapet mounted rail



**SECTION A-A**  
Alternate with no lights or walkways  
④ For attachment details of 3/2" pipe and W10x22, see other sections as applicable.

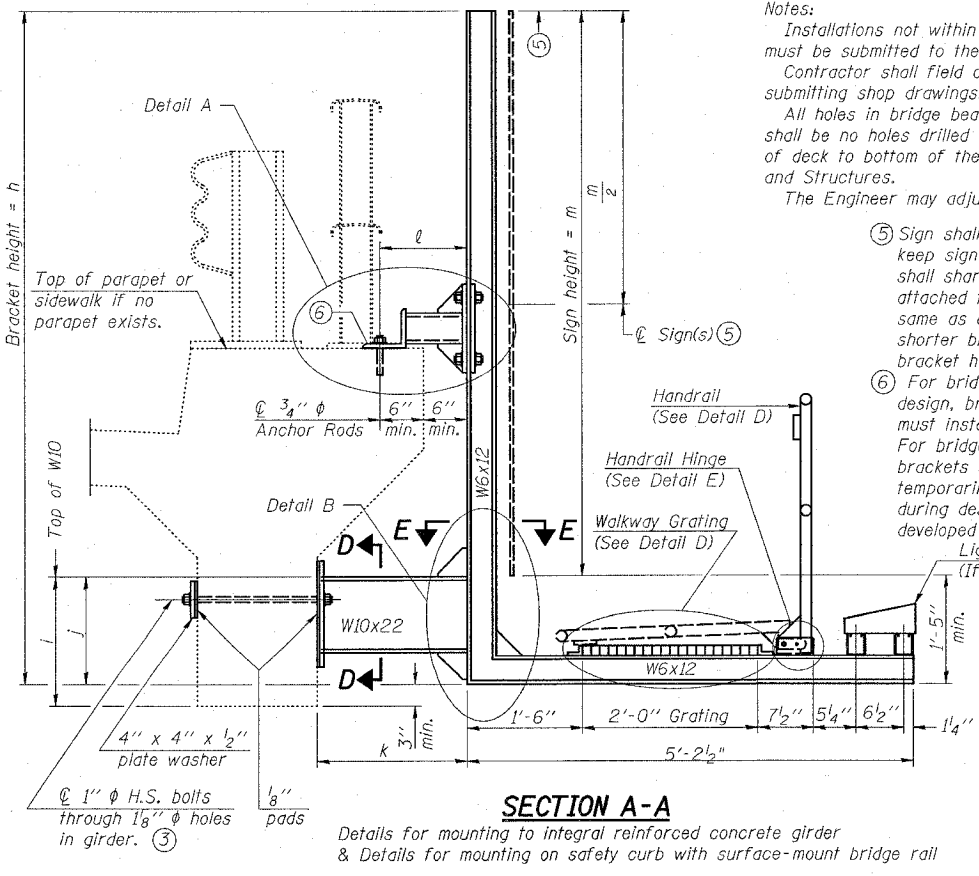


**SECTION A-A**  
Details for mounting to PPC I Beam or Bulb "I"  
& Details for mounting to parapet w/o rail

Structure Number	Station	h	i	j	k max. (10'-0" max.)	l max. (8'-0" max.)	m (15'-0" max.)
8B060S255L016.4	34+573.757	9.917'	2.312'	1.0'	3.453'	1.369'	9.0'
8B060S255R013.6	30+213.265	9.917'	2.312'	1.0'	3.453'	1.369'	9.0'

For Details A & B, Sections C-C, D-D and E-E, see Base Sheet BM-3.  
For Details D & E, see Base Sheet BM-4.

- ① Holes in new steel members may be drilled in the fabrication shop or in the field. Field drill existing members.
- ② For new PPC I beams, holes shall be formed during casting. For existing PPC I beams, prestressing strand locations shall be determined and spaced to miss strands by 6", min. Minimize spalling during field drilling of existing beams.
- ③ For new construction, form holes. For existing RC beams, locate primary reinforcement and space holes to miss by 6", min. Minimize spalling and concrete fracturing/damage during field drilling of existing concrete. Spalls over 1/4" deep or beyond the coverage of the 4x4 plate washer shall be repaired with epoxy mortar before installing washer.



**SECTION A-A**  
Details for mounting to integral reinforced concrete girder  
& Details for mounting on safety curb with surface-mount bridge rail

- Notes:
- Installations not within dimensional limits shown require special analysis for all components and must be submitted to the Bureau of Bridges and Structures for approval.
  - Contractor shall field check all pertinent existing bridge dimensions shown on plans before submitting shop drawings.
  - All holes in bridge beams or girders should be located in the middle half of the member. There shall be no holes drilled in the lower quarter of the member's depth. (For R.C. girder, depth = bottom of deck to bottom of the girder.) Proposed exceptions must be approved by the Bureau of Bridges and Structures.
  - The Engineer may adjust dimension "i" to meet the above condition and to keep the sign level.
  - ⑤ Sign shall not extend more than 6" above top of bracket, and this dimension may vary to keep sign level if bridge is on grade or vertical curve. Multiple signs of various heights shall share a common horizontal centerline and use equal bracket heights. If no sign is attached to a W6x12 vertical (bracket only supporting walkway), dimension h shall be the same as an adjacent bracket with a sign attached, unless Engineer specifically directs shorter brackets due to locational restraints on future uses. (See Detail A for minimum bracket height.)
  - ⑥ For bridge mounted sign structures installed on new bridges with railing, during design, bracket spacing must be coordinated with railing post spacing and the Contractor must install upper brackets prior to railing installation. For bridge mounted sign structures installed on existing bridges with railing, during design, brackets spacing must be coordinated with railing post spacing and the Contractor must temporarily remove sections of railing to facilitate upper bracket installation. If it is determined during design that existing railings can't be removed, alternate upper connection details must be developed for the contract plans and approved by the Bureau of Bridges and Structures.

**BRIDGE MOUNT SIGN STRUCTURES  
WALKWAY AND CONNECTION DETAILS**

FAP 310  
SECTIONS 60-14-2 & 60-14-2B  
MADISON COUNTY

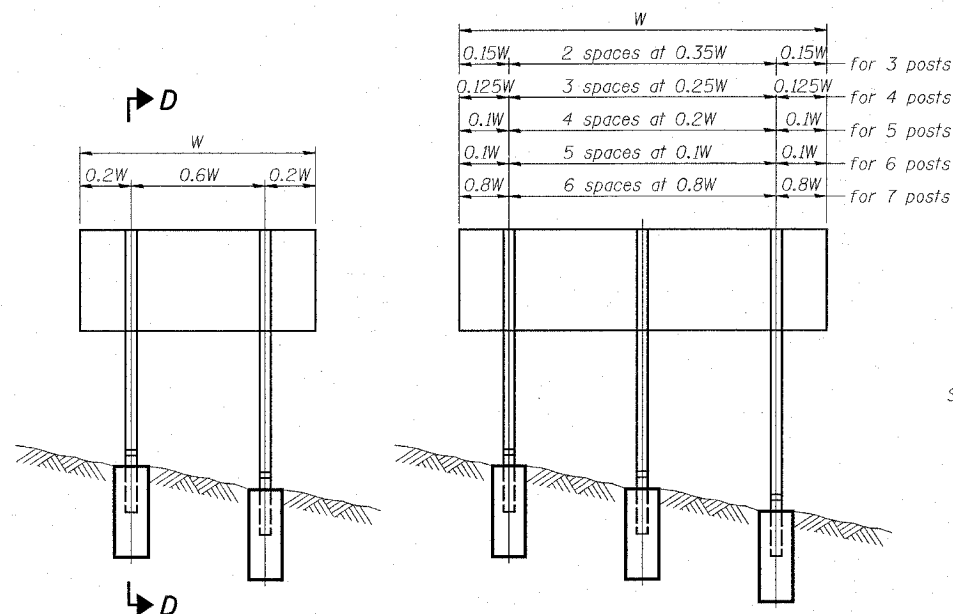
FILE NAME  
PLOT SCALE  
USER NAME

NUMBER	REVISION	DATE

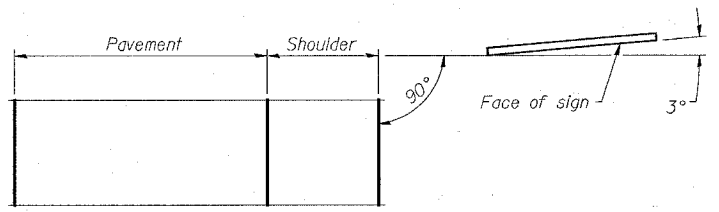




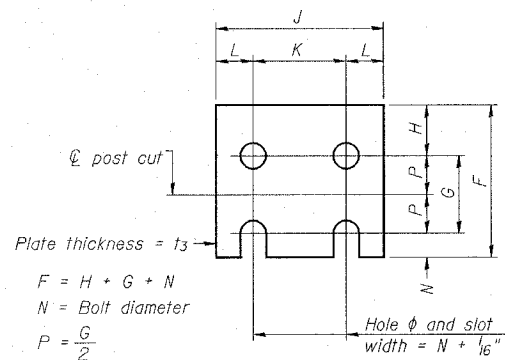




**ELEVATION**

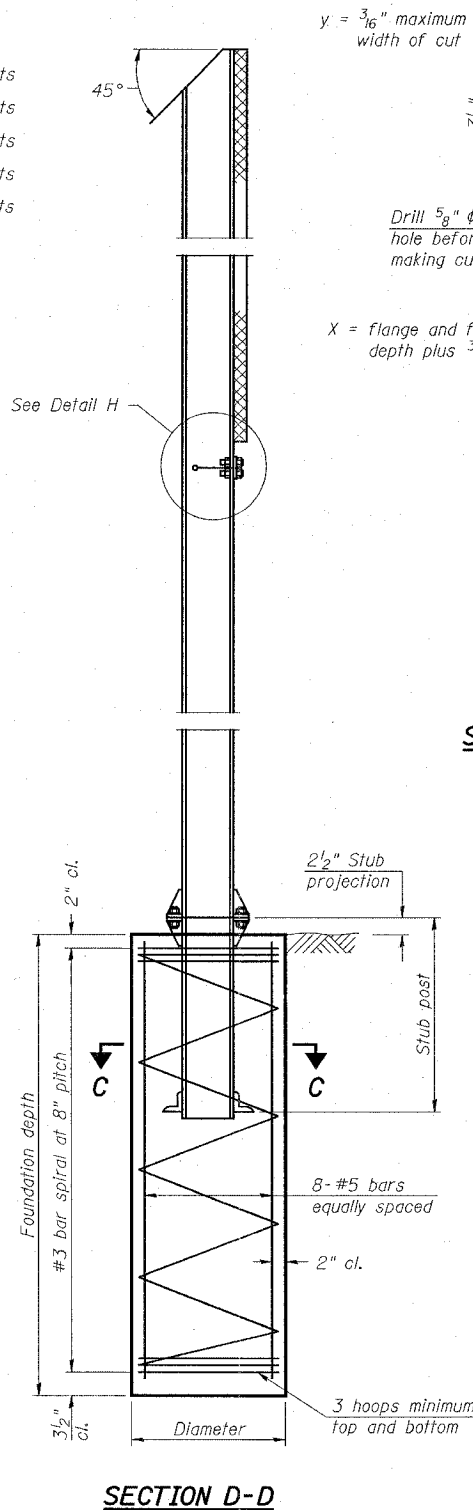


**LOCATION SKETCH**

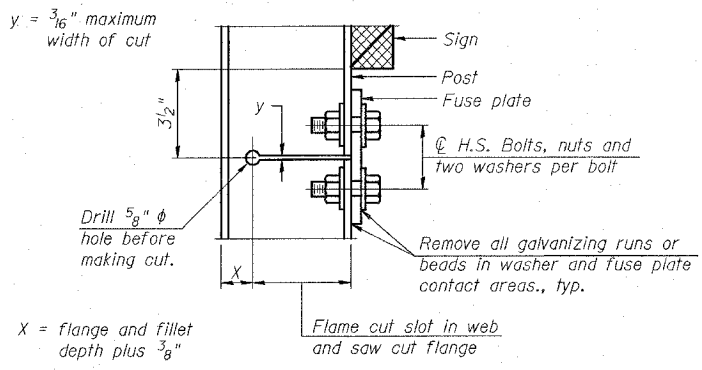


**FUSE PLATE DETAIL**  
 (Install with notches down.)

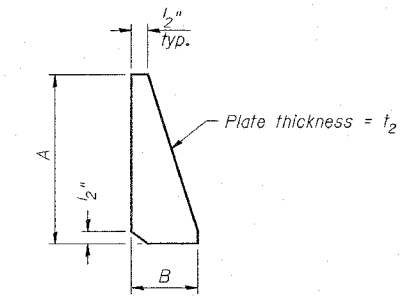
FUSE PLATE DATA		
N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"



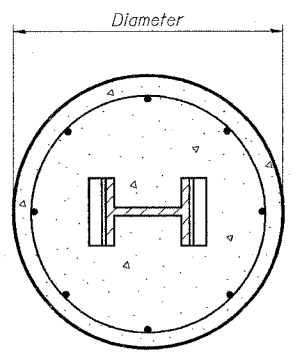
**SECTION D-D**



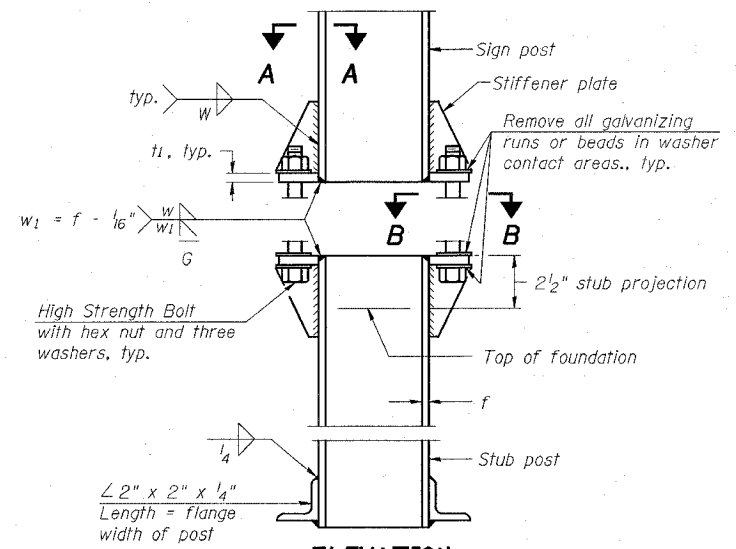
**DETAIL H**



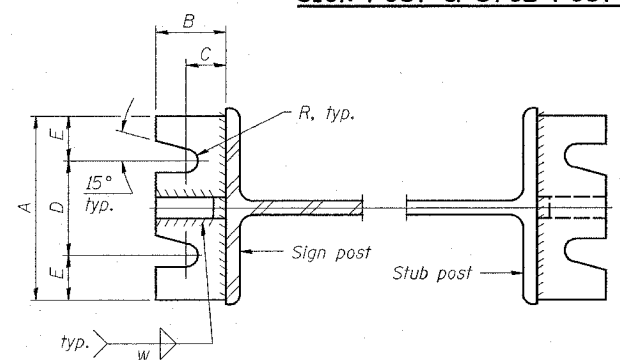
**STIFFENER PLATE DETAIL**  
 (See table for dimensions.)



**SECTION C-C**

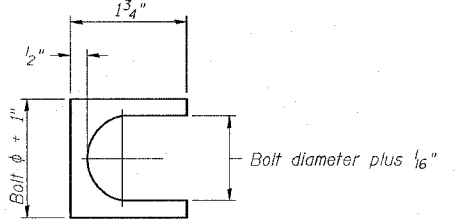


**ELEVATION SIGN POST & STUB POST**



**SECTION A-A**

**SECTION B-B**



**SHIM DETAIL**

**GENERAL NOTES**

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

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

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

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

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

**BREAK-AWAY WIDE FLANGE STEEL SIGN POST DETAILS**

FAP 310  
 SECTIONS 60-14-2 & 60-14-2B  
 MADISON COUNTY

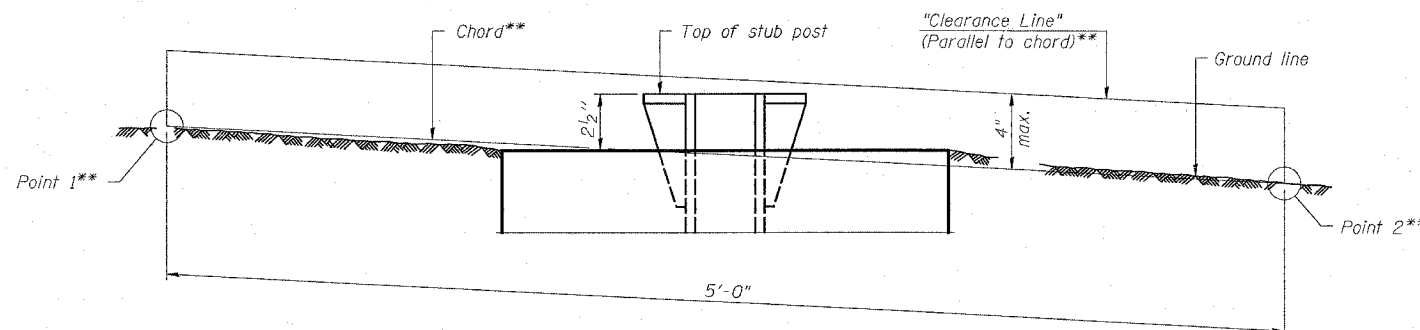
NUMBER	REVISION	DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		MADISON	418	112
STA. 1047+00		TO STA. 1048+75		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

POST	CONCRETE FOUNDATION TABLE							POST TO STUB POST CONNECTION DATA										FUSE PLATE DATA				
	Foundation			Reinforcement			Stub Post Length	Bolt Size	A	B	C	D	E	t <sub>1</sub>	t <sub>2</sub>	R	W	J	K	L	t <sub>3</sub>	
	Diameter	Minimum Depth	Concrete (1) cu. yds.	Vertical Bars Length	Bar Spirals Diameter	Bar Spirals Length																lbs. (2)
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-3"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	1 1/2"	1 1/4"	4"	2 1/4"	7/8"	1/4"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	1 1/2"	1 1/4"	6"	3 1/2"	1 1/4"	3/8"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	1 1/2"	5/16"	5 1/4"	2 3/4"	1 1/4"	3/8"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2 1/2"	105'-0"	92	3'-0"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	1 1/2"	5/16"	5 3/4"	2 3/4"	1 1/2"	1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2 1/2"	112'-0"	98	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	5/32"	3/8"	5 3/4"	2 3/4"	1 1/2"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2 1/2"	119'-0"	107	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	5/32"	3/8"	6 1/2"	3 1/2"	1 1/2"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8 1/2"	145'-0"	113	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	5/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8 1/2"	153'-0"	122	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8 1/2"	162'-0"	130	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	7"	3 1/2"	1 3/4"	1/2"

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

POST	FUSE PLATE BOLT SIZE																				
	Sign Height																				
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"
W6x9	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	5/8" x 1 3/4"	5/8" x 1 3/4"	5/8" x 1 3/4"	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	7/8" x 2"	7/8" x 2"	---	---	---	---	---	---	---	---	---	---	---
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	7/8" x 2 1/4"	7/8" x 2 1/4"	7/8" x 2 1/4"	7/8" x 2 1/4"	7/8" x 2 1/4"	7/8" x 2 1/4"	7/8" x 2 1/4"	---	---	---	---	---	---	---
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	7/8" x 2 1/4"	7/8" x 2 1/4"	7/8" x 2 1/4"	7/8" x 2 1/2"	1" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"
W10x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"
W12x26	---	---	---	---	---	5/8" x 2 1/4"	---	---	---	---	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"
W14x38	---	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 1/2"	1" x 2 3/4"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"
W16x45	---	---	---	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"	1 1/8" x 3"



**ELEVATION  
GROUND LINE & STUB POST**

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

- ① Quantity Includes all concrete necessary for one foundation.
- ② Includes reinforcement bars and spiral hooping for one foundation.

NUMBER	REVISION	DATE

**BREAK-AWAY WIDE FLANGE  
STEEL SIGN POST TABLES**

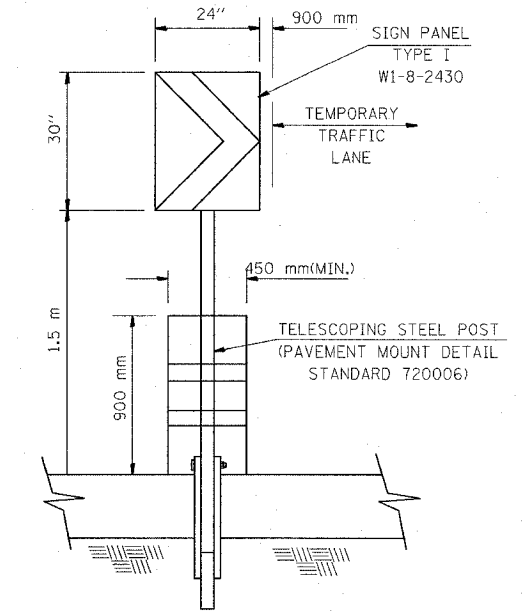
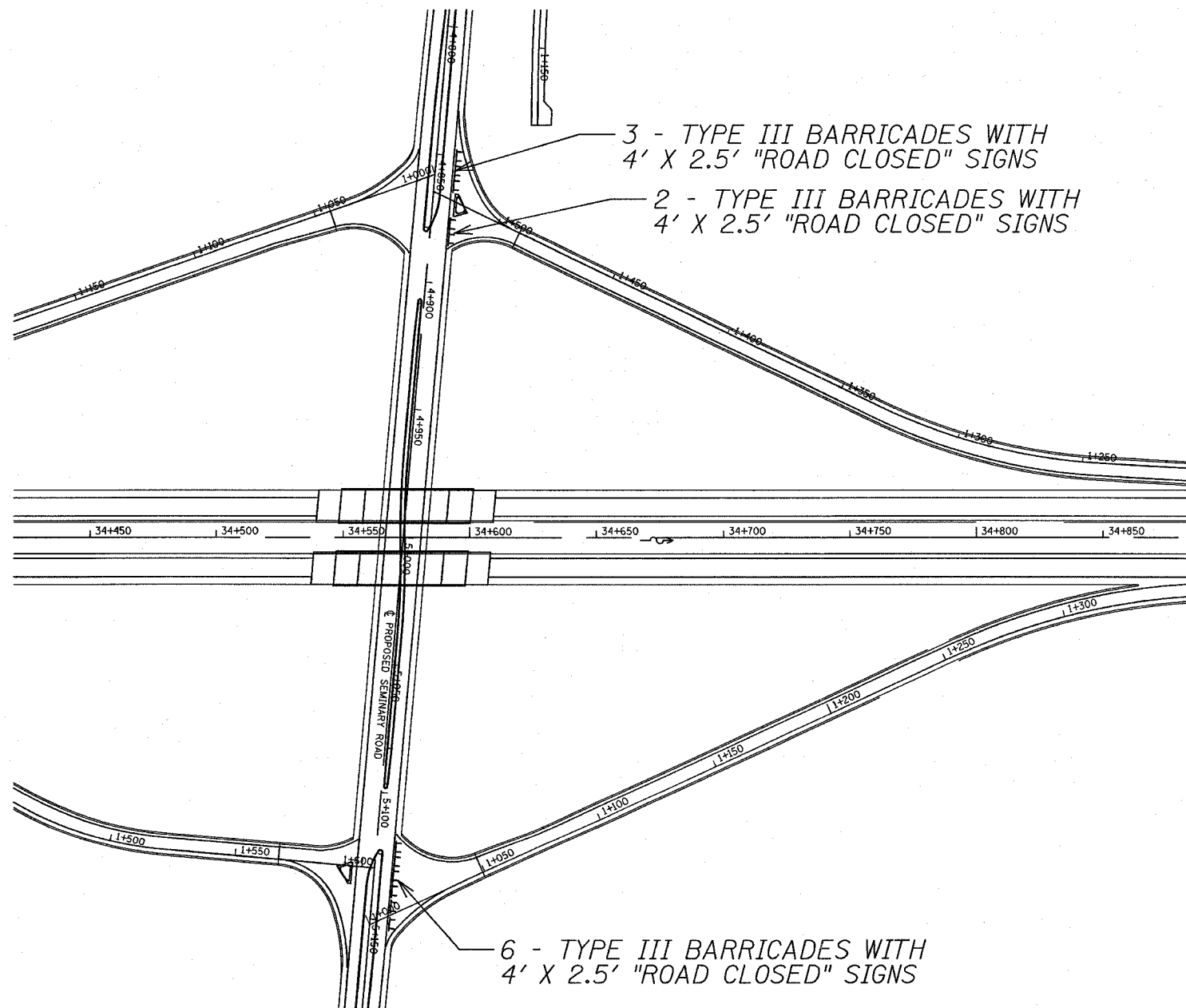
FAP 310  
SECTIONS 60-14-2 & 60-14-2B  
MADISON COUNTY

PLOT DATE \* \* \* \* \*  
FILE NAME \* \* \* \* \*  
SCALE \* \* \* \* \*  
USER NAME \* \* \* \* \*

BAW-A-2      11/01/2006

ALL ITEMS AND WORK REQUIRED FOR THE PERMANENT CLOSURE OF IL 255 AND RAMPS AT SEMINARY ROAD SHALL BE INCLUDED IN THE COST TRAFFIC CONTROL AND PROTECTION-SPECIAL.

ALL ITEMS AND WORK REQUIRED FOR THE REMOVAL OF THE PERMANENT ROAD CLOSURE AT IL 255 AND RAMPS AT FOSTERBURG ROAD SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION SPECIAL.



DRUM AND CHEVRON SIGN DETAIL

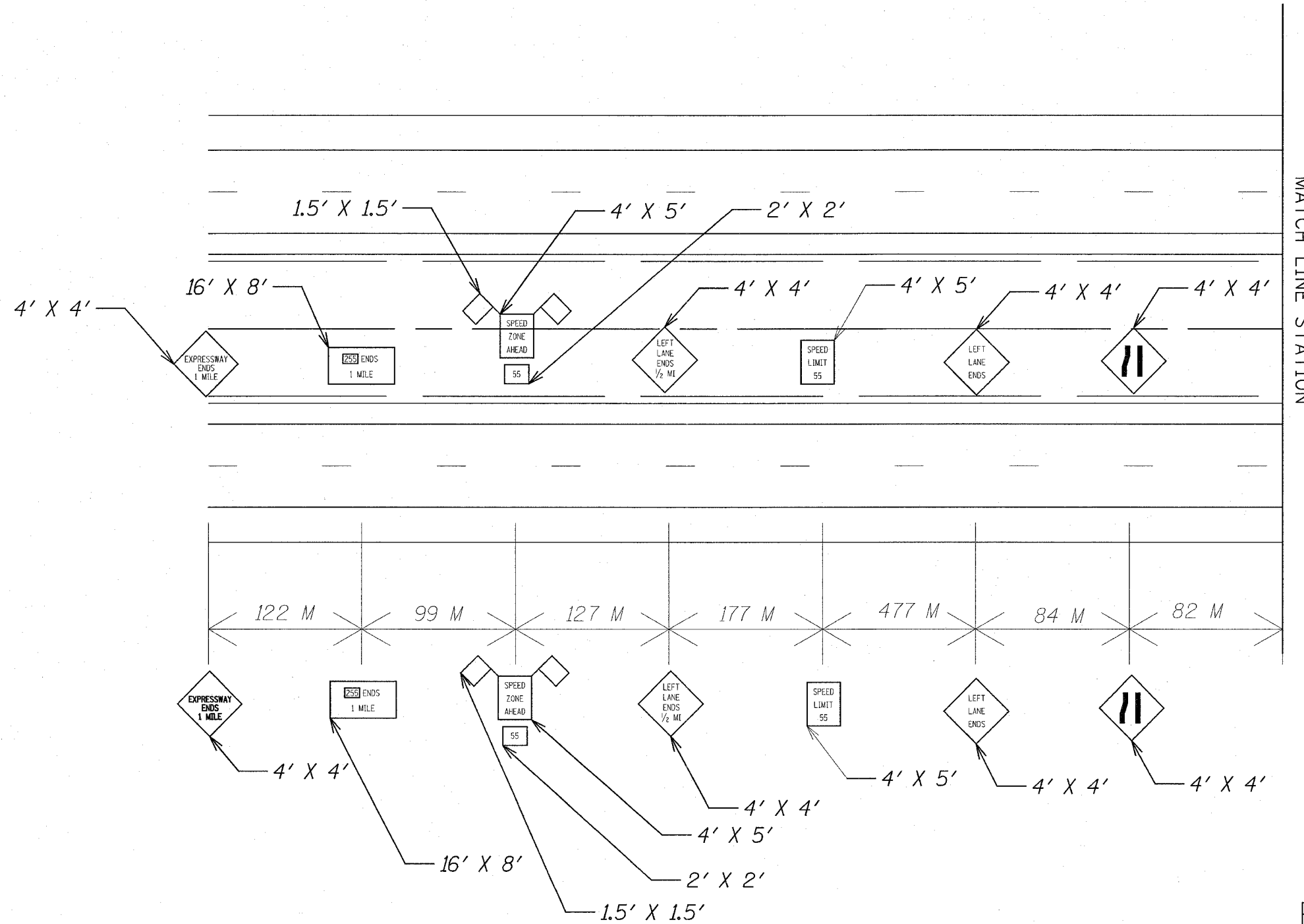
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REVISIONS	
NO.	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TRAFFIC CONTROL SPECIAL**  
**FAP 310**  
**SECTIONS 60-14-2 & 60-14-2B**  
**MADISON COUNTY**

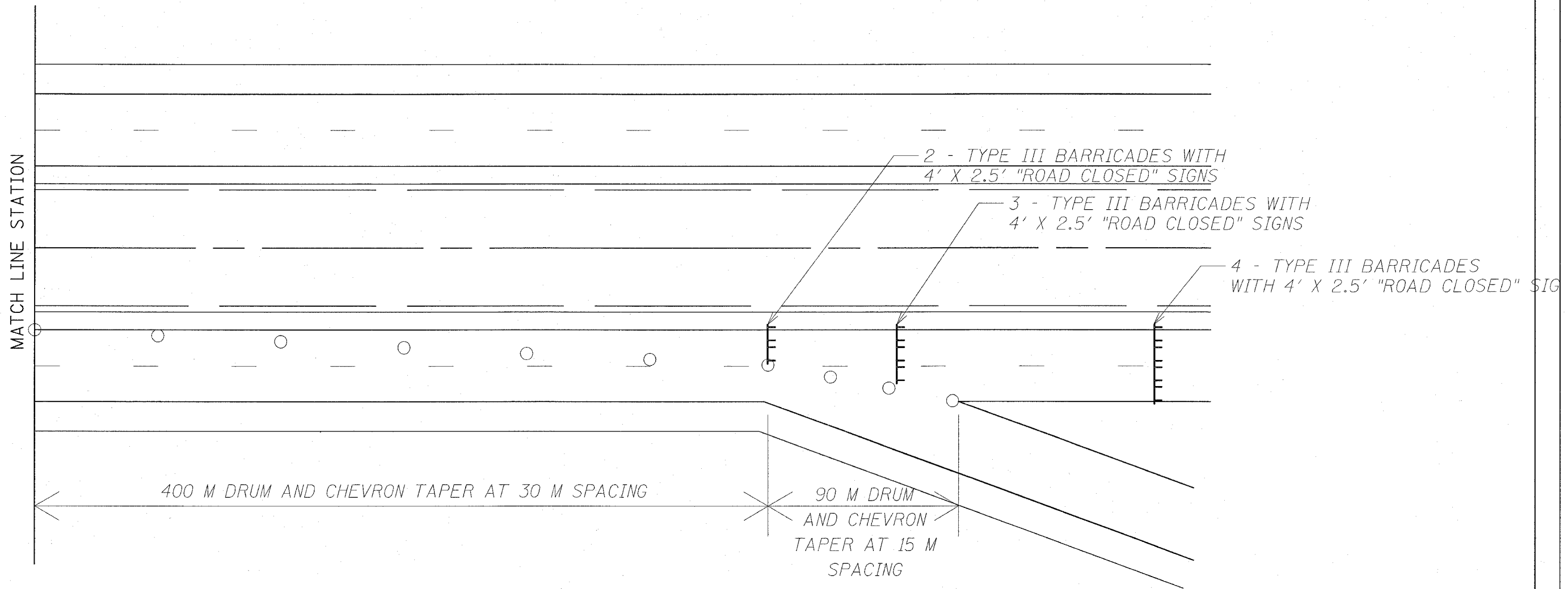
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 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_



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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE		
		TRAFFIC CONTROL SPECIAL	
		FAP 310	
		SECTIONS 60-14-2 & 60-14-2B	
		MADISON COUNTY	
		SCALE: VERT.	DRAWN BY
		HORIZ.	CHECKED BY
		DATE	



PLOT DATE = DATE  
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 USER NAME = USER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TRAFFIC CONTROL SPECIAL**  
**FAP 310**  
**SECTIONS 60-14-2 & 60-14-2B**  
**MADISON COUNTY**

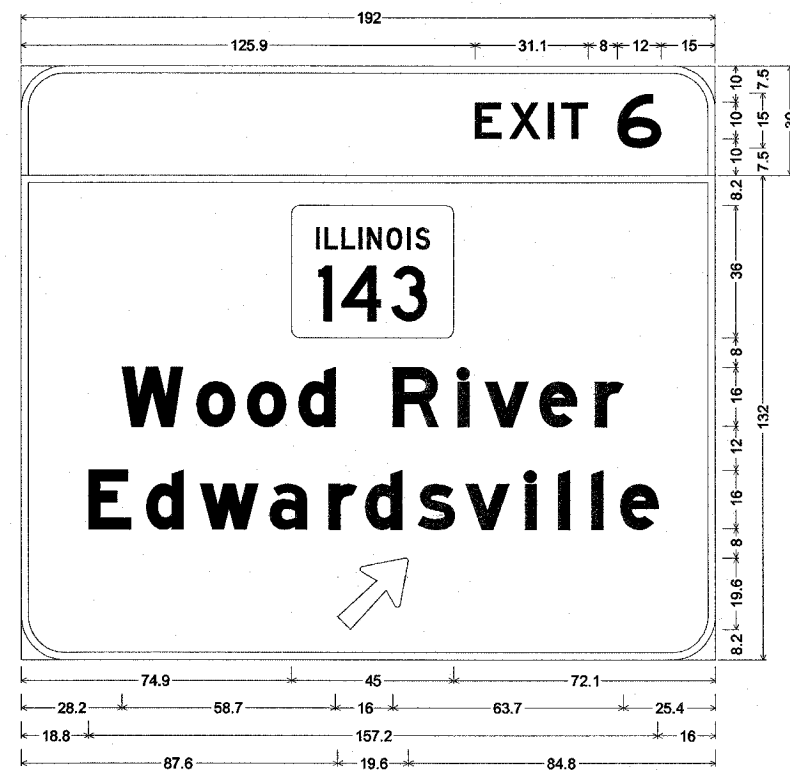
SCALE: VERT. DATE  
 HORIZ. DATE

DRAWN BY  
 CHECKED BY





STRUCTURE NUMBER 8S060S255R006.3  
 STA 18+430



12.0" Radius, 2.0" Border, White on Green;  
 [EXIT] E [ ] E Mod [6] E;  
 12.0" Radius, 2.0" Border, White on Green;  
 [Wood River] E Mod; [Edwardsville] E Mod; Arrow 80 - 25.0° 45°;



12.0" Radius, 2.0" Border, White on Green;  
 [NORTH] E; [Alton] E Mod; [Bethalto] E Mod; Down Arrow 22.0° 270°;  
 Down Arrow 22.0° 270°;

PLOT DATE = \*DATE\*  
 FILE NAME = \*FILE\*  
 PLOT SCALE = \*SCALE\*  
 USER NAME = \*USER\*

REVISIONS		DATE
NAME		

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SIGN PANEL DETAILS**  
 FAP 310  
 SECTIONS 60-14-2 & 60-14-2B  
 MADISON COUNTY

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_

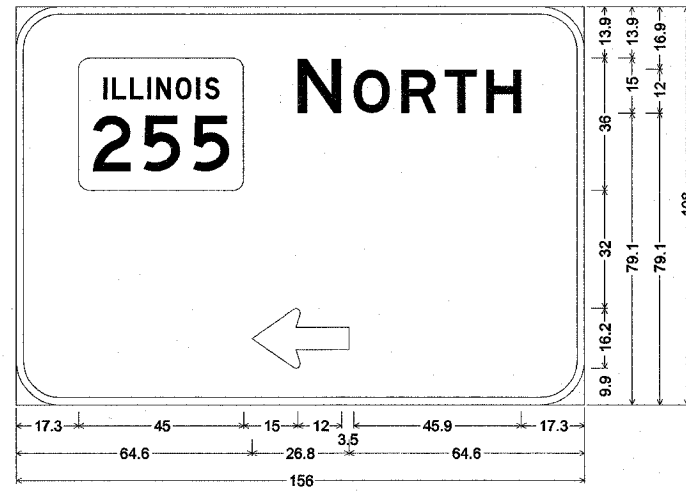
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STRUCTURE NUMBER 8S060S255L013.9  
 STA 30+760

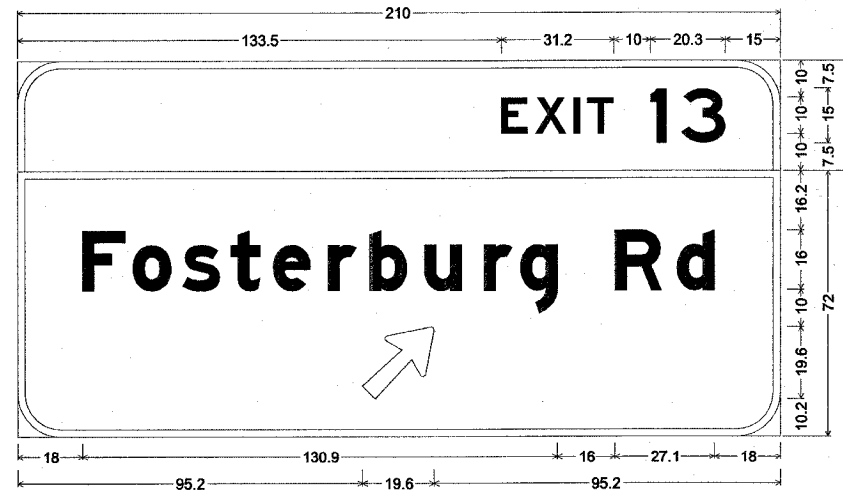


12.0" Radius, 3.0" Border, White on Green;  
 [SOUTH] E; [Alton] E Mod; [Bethalto] E Mod; Down Arrow 22.0° 270°;  
 Down Arrow 22.0° 270°;

STRUCTURE NUMBER 8B060S255L013.6  
 STA 30+213.265



12.0" Radius, 2.0" Border, White on Green;  
 [NORTH] E; Standard Arrow Custom 26.8" X 16.1" 180°;



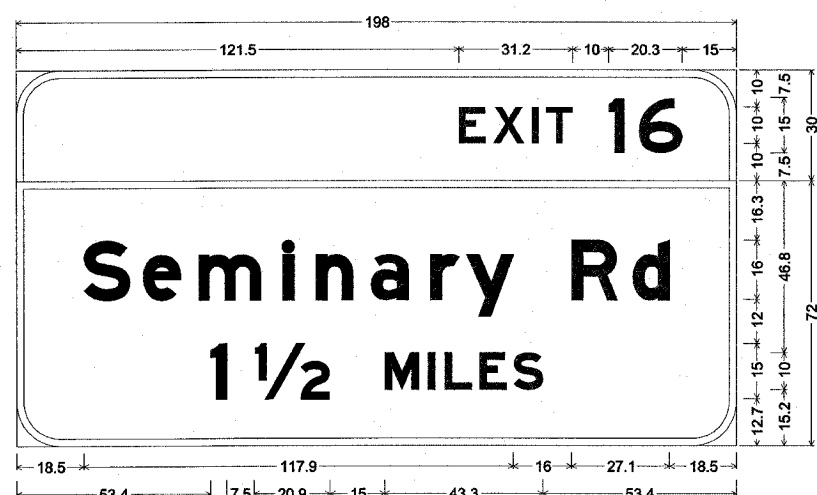
12.0" Radius, 2.0" Border, White on Green;  
 [EXIT 13] E;  
 12.0" Radius, 2.0" Border, White on Green;  
 [Fosterburg Rd] E Mod; Arrow 80 - 25.0° 45°;

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SIGN PANEL DETAILS**  
 FAP 310  
 SECTIONS 60-14-2 & 60-14-2B  
 MADISON COUNTY  
 SCALE: VERT.      DRAWN BY  
           HORIZ.      CHECKED BY  
 DATE

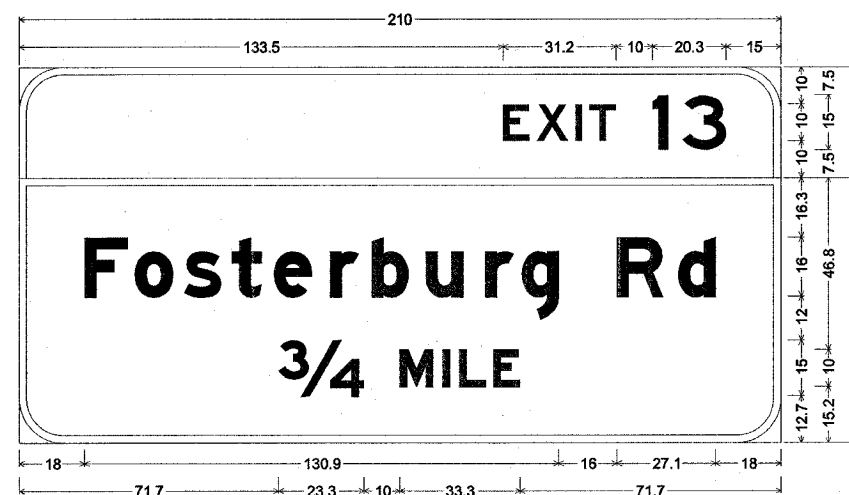
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STA 31+675 RT



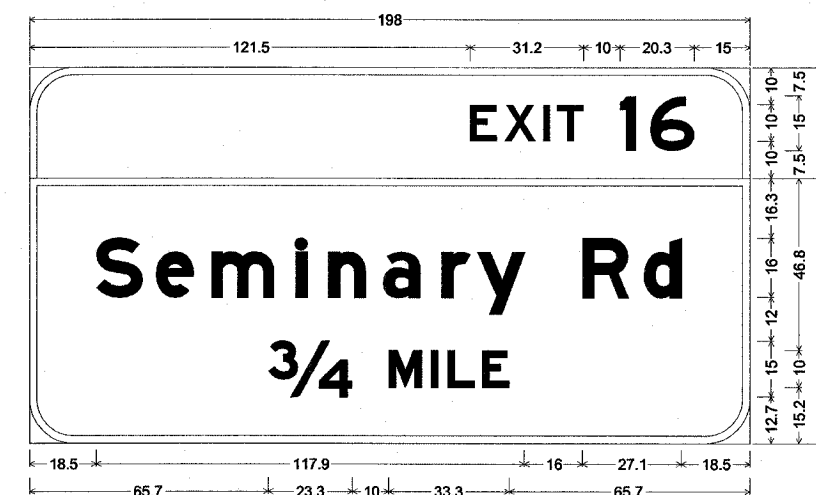
12.0" Radius, 2.0" Border, White on Green;  
 [EXIT 16] E;  
 12.0" Radius, 2.0" Border, White on Green;  
 [Seminary Rd] E Mod; [1 1/2 MILES] E Mod;

STA 31+950 LT



12.0" Radius, 2.0" Border, White on Green;  
 [EXIT 13] E;  
 12.0" Radius, 2.0" Border, White on Green;  
 [Fosterburg Rd] E Mod; [3/4 MILE] E Mod;

STA 32+875 RT

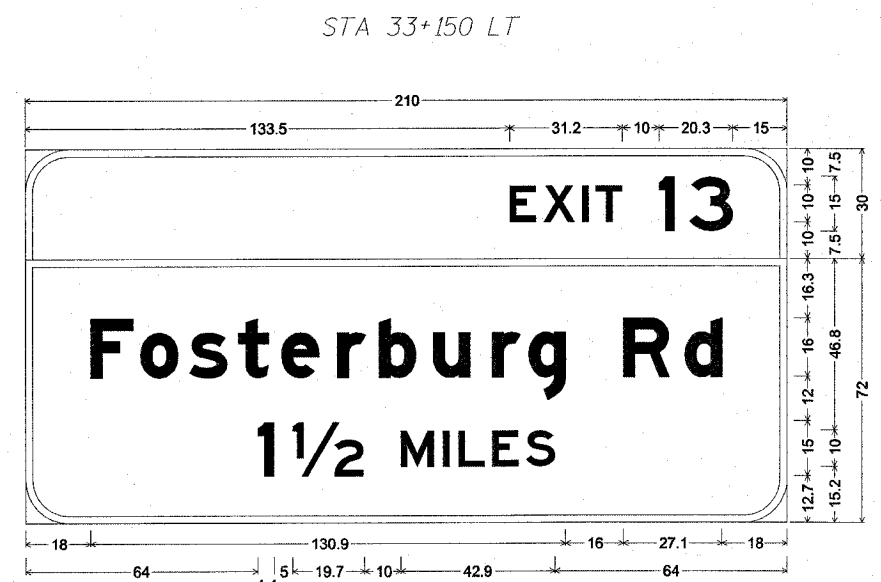


12.0" Radius, 2.0" Border, White on Green;  
 [EXIT 16] E;  
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 [Seminary Rd] E Mod; [3/4 MILE] E Mod;

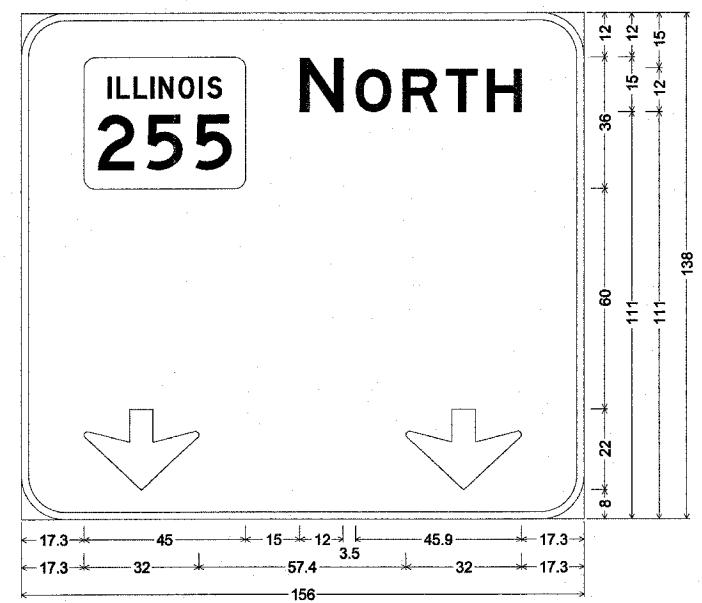
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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SIGN PANEL DETAILS FAP 310 SECTIONS 60-14-2 & 60-14-2B MADISON COUNTY
NAME	DATE	
		SCALE: VERT.      DRAWN BY HORIZ.              CHECKED BY DATE

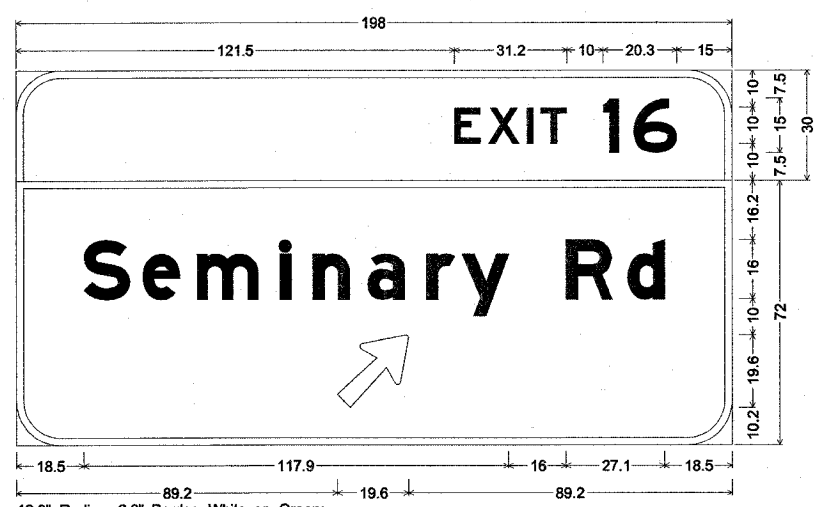
STRUCTURE NUMBER 8S060S255R016.0  
 STA 34+025



12.0" Radius, 2.0" Border, White on Green;  
 [EXIT 13] E;  
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 [Fosterburg Rd] E Mod; [1 1/2 MILES] E;



12.0" Radius, 2.0" Border, White on Green;  
 [NORTH] E; Down Arrow 22.0" 270"; Down Arrow 22.0" 270°;



12.0" Radius, 2.0" Border, White on Green;  
 [EXIT 16] E;  
 12.0" Radius, 2.0" Border, White on Green;  
 [Seminary Rd] E Mod; Arrow 80 - 25.0" 45°;

REVISIONS	
NAME	DATE

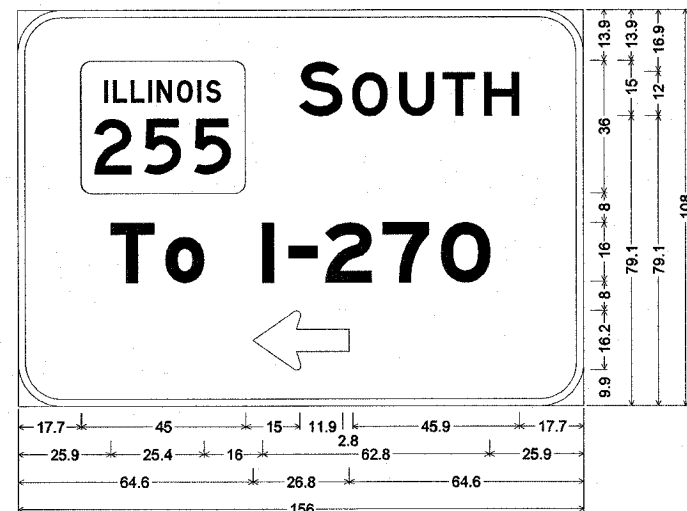
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SIGN PANEL DETAILS**  
 FAP 310  
 SECTIONS 60-14-2 & 60-14-2B  
 MADISON COUNTY

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

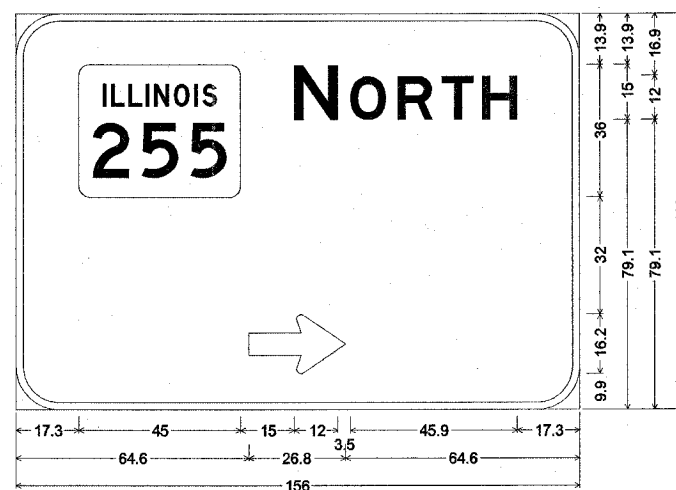
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STRUCTURE NUMBER 8B060S255R013.6  
 STA 34+573.757



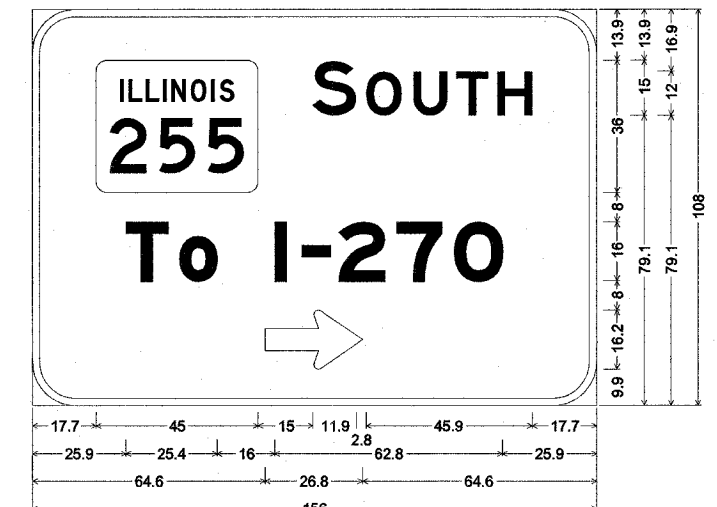
12.0" Radius, 2.0" Border, White on Green;  
 [SOUTH] E; [To I-270] E Mod; Standard Arrow Custom 26.8" X 16.1" 180°;

FOSTERBURG RD  
 STA 65+175, LT



12.0" Radius, 2.0" Border, White on Green;  
 [NORTH] E; Standard Arrow Custom 26.8" X 16.1" 0°;

SEMINARY RD  
 STA 4+825, RT



12.0" Radius, 2.0" Border, White on Green;  
 [SOUTH] E; [To I-270] E Mod; Standard Arrow Custom 26.8" X 16.1" 0°;

PLOT DATE = #DATE#  
 FILE NAME = #FILE#  
 PLOT SCALE = #SCALE#  
 USER NAME = #USER#

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SIGN PANEL DETAILS**  
**FAP 310**  
**SECTIONS 60-14-2 & 60-14-2B**  
**MADISON COUNTY**  
 SCALE: VERT. \_\_\_\_\_  
 DATE \_\_\_\_\_  
 DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

SECTION 60-14-2  
SECTION 60-14-2B CONTRACT NO. 76986

F.A.P. RTE. 310	SECTION =	COUNTY MADISON	TOTAL SHEETS 418	SHEET NO. 122
STA. 1047+00		TO STA. 1048+75		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		

FINAL SURVEY

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

SURVEYED \_\_\_\_\_ PLOTTED \_\_\_\_\_

NOTE BOOK \_\_\_\_\_ AREAS CHECKED \_\_\_\_\_

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

ORIGINAL SURVEY

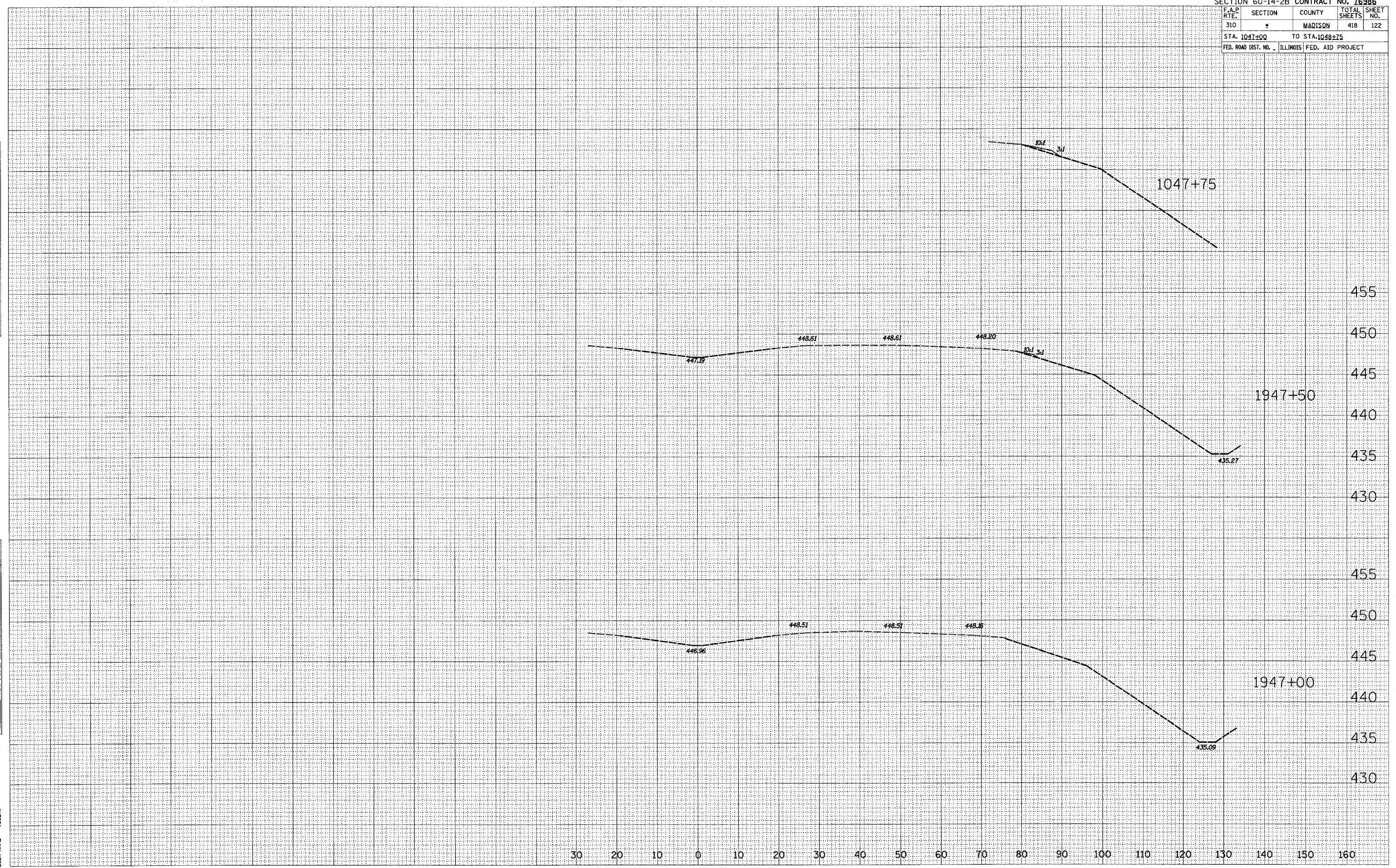
DATE \_\_\_\_\_ BY \_\_\_\_\_

SURVEYED \_\_\_\_\_ PLOTTED \_\_\_\_\_

NOTE BOOK \_\_\_\_\_ AREAS CHECKED \_\_\_\_\_

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

PLOT DATE = DATE  
 PLOT NAME = FILE  
 PLOT SCALE = SCALE  
 USER NAME = USER



CROSS SECTION, FAP ROUTE 310, STA 1947+00.00 TO STA 1947+75



SECTION 60-14-2  
SECTION 60-14-2B CONTRACT NO. 76986

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		MADISON	418	123
STA. 1047+00		TO STA. 1048+75		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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

FINAL SURVEY \_\_\_\_\_  
NOTE BOOK \_\_\_\_\_  
NO. \_\_\_\_\_

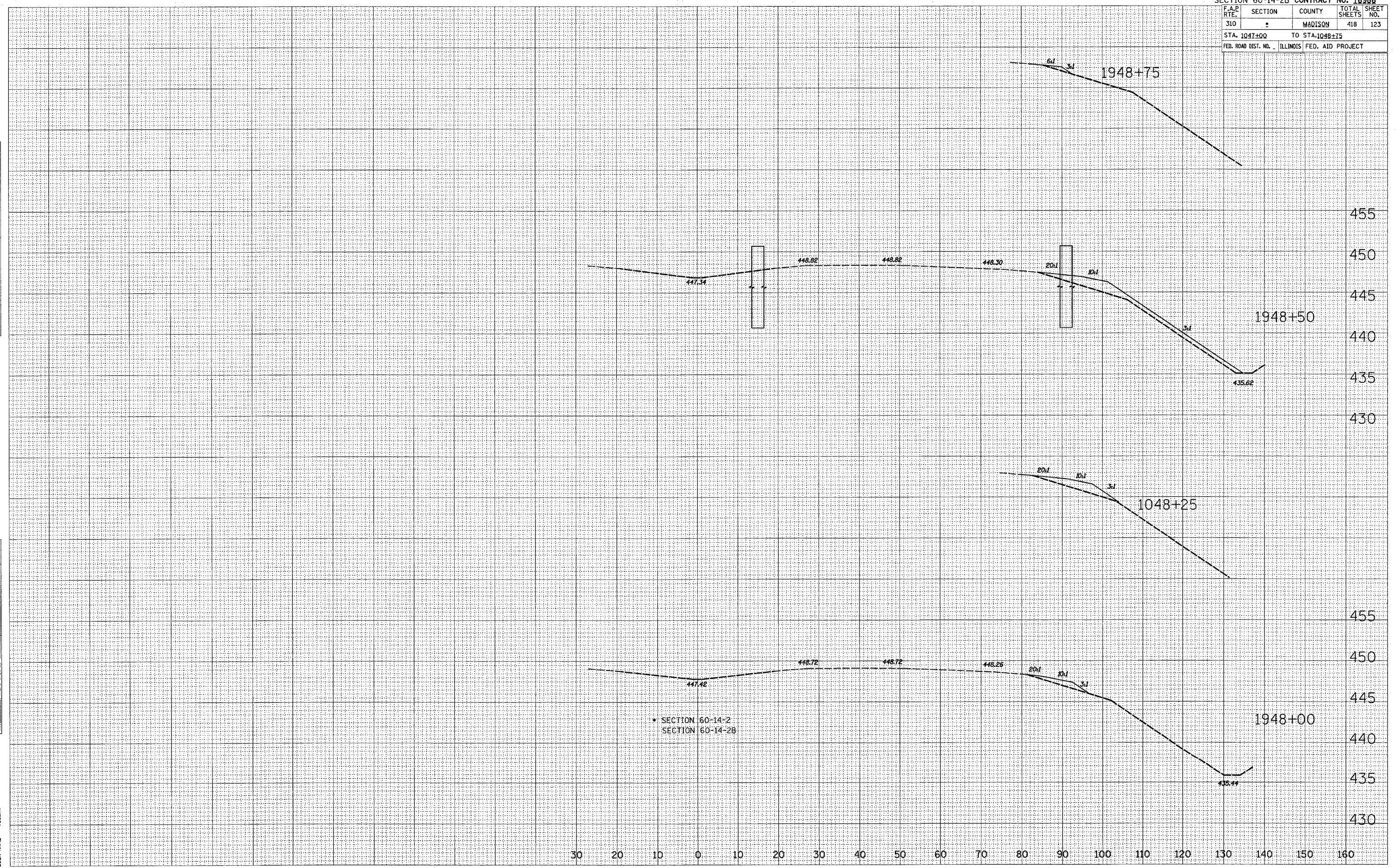
SURVEYED \_\_\_\_\_  
PLOT DATE \_\_\_\_\_  
AREAS CHECKED \_\_\_\_\_

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

ORIGINAL SURVEY \_\_\_\_\_  
NOTE BOOK \_\_\_\_\_  
NO. \_\_\_\_\_

SURVEYED \_\_\_\_\_  
PLOT DATE \_\_\_\_\_  
AREAS CHECKED \_\_\_\_\_

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USER NAME = #USER#



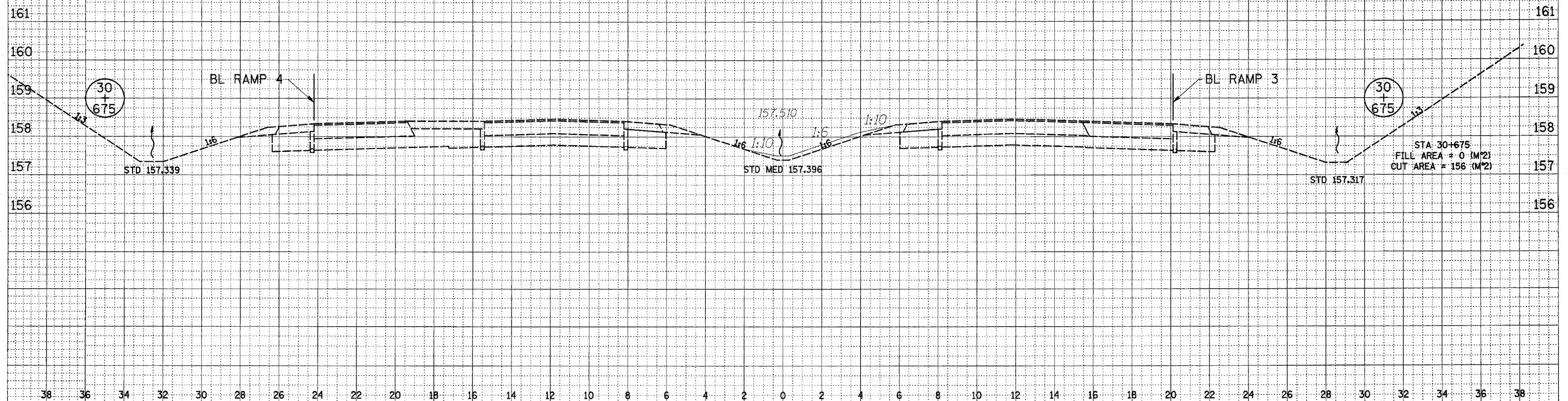
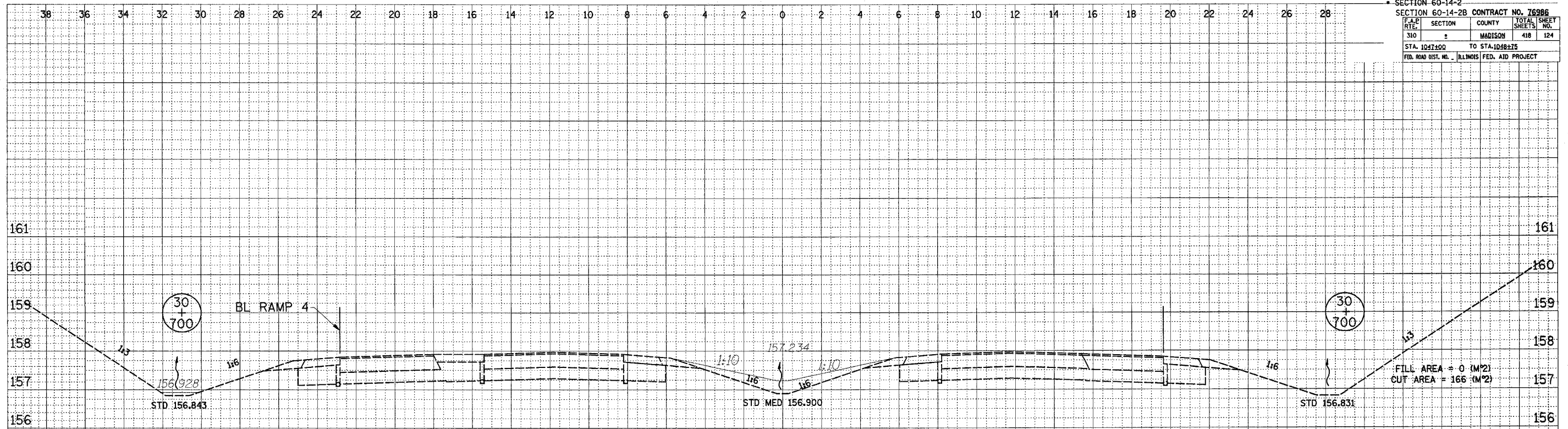
SECTION 60-14-2  
SECTION 60-14-2B

CROSS SECTION, FAP ROUTE 310, STA 1948+00.00 TO STA 1948+75

SECTION 60-14-2  
SECTION 60-14-2B CONTRACT NO. 76986

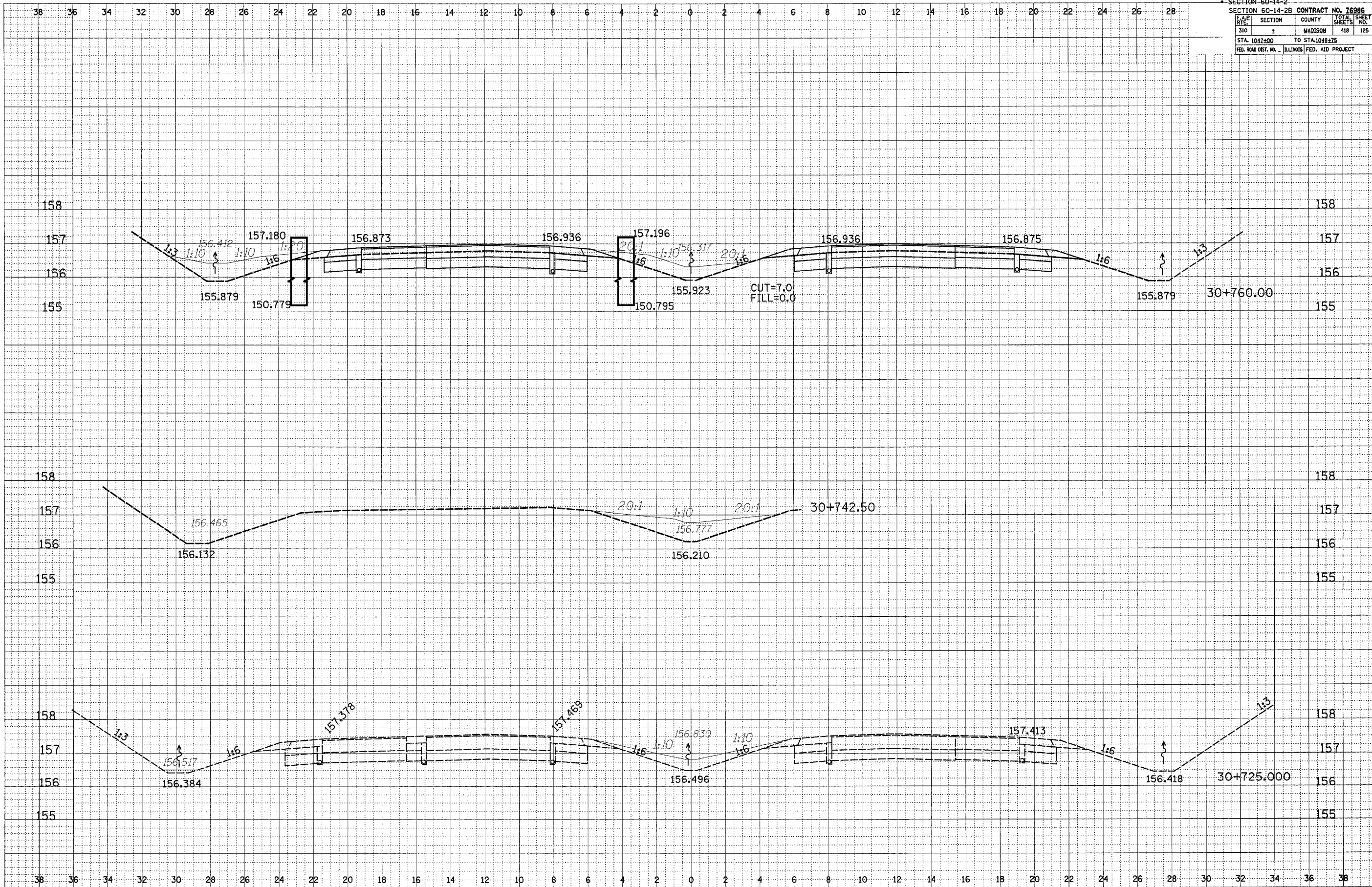
FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	2	MADISON	418	124

STA. 1047+00 TO STA. 1048+15  
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



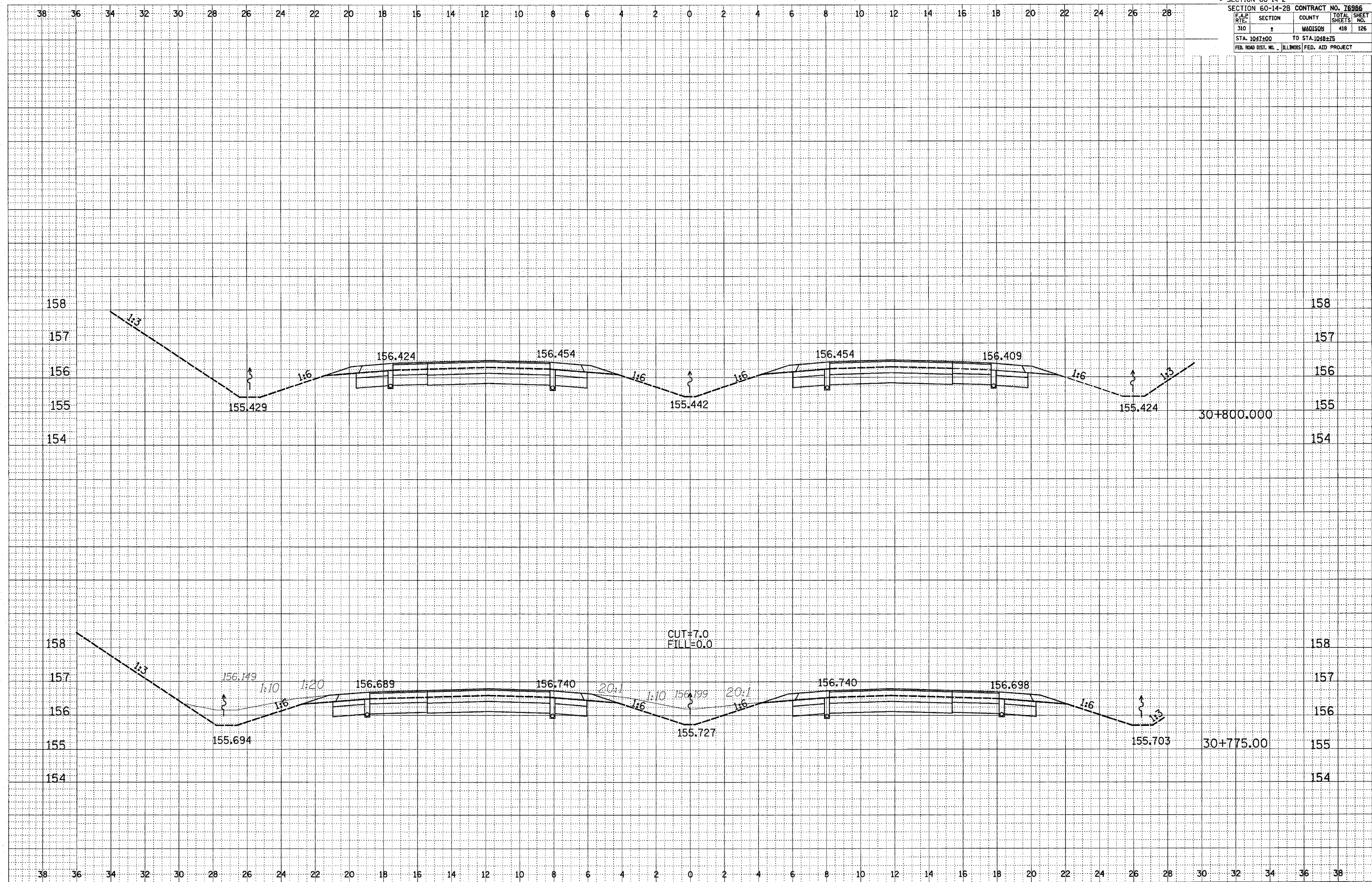
CROSS SECTION, FAP ROUTE 310, STA 30+675 TO STA 30+700.000





CROSS SECTION, FAP ROUTE 310, STA 30+725 TO STA 30+760.000  
 SIGN SHEET 29 OF 40

SECTION 60-14-2  
 SECTION 60-14-28 CONTRACT NO. 76986  
 F.A.P. SECTION COUNTY TOTAL SHEET  
 310 MADISON 418 126  
 STA. 1047+00 TO STA. 1048+25  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

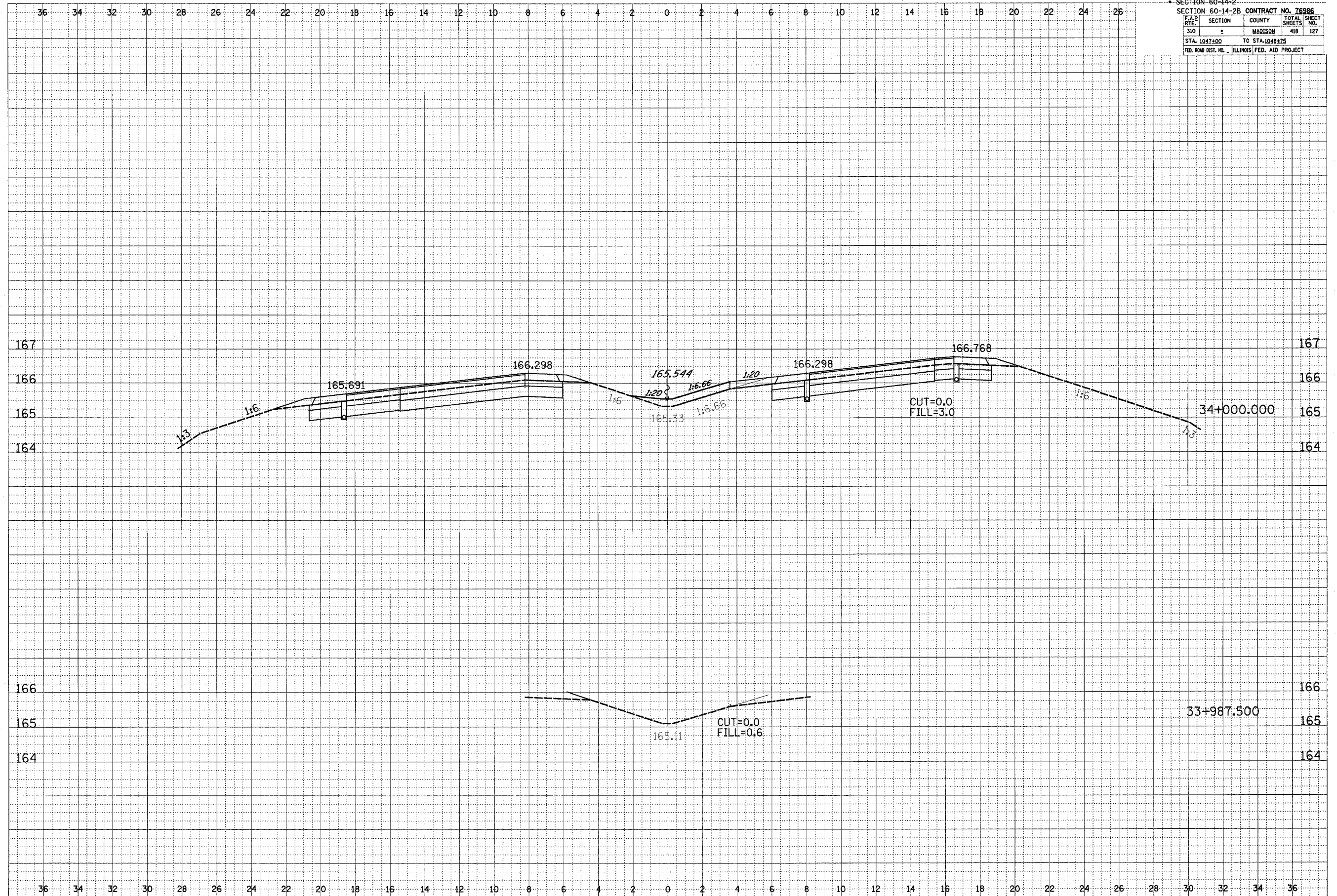


CROSS SECTION, FAP ROUTE 310, STA 30+775 TO STA 30+800.000  
 SIGN SHEET 30 OF 40

SECTION 60-14-2  
 SECTION 60-14-2B CONTRACT NO. I6986  
 STA. 1047+00 TO STA. 1048+75  
 ILLINOIS FED. AID PROJECT

DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 SURVEY \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 AREAS \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

DATE \_\_\_\_\_  
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 SURVEYED \_\_\_\_\_  
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 NOTE BOOK \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 AREAS \_\_\_\_\_  
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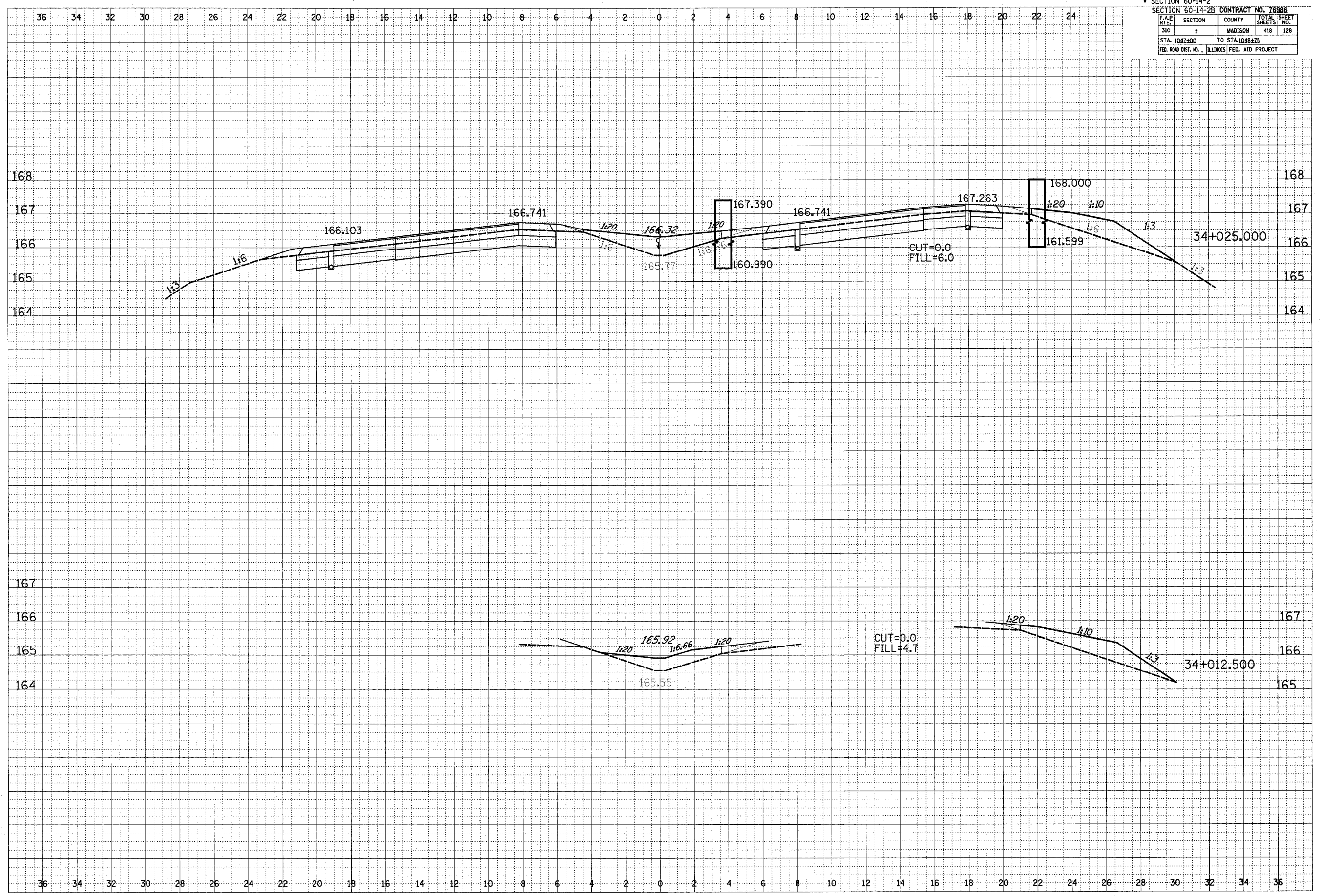
CROSS SECTION, FAP ROUTE 310, STA 33+987.500 TO STA 34+000.000  
 SIGN SHEET 31 OF 40



SECTION 60-14-2  
 SECTION 60-14-2B CONTRACT NO. 76386  
 F.A.P. SECTION COUNTY TOTAL SHEET  
 310 2 MADISON 418 128  
 STA. 1041+00 TO STA. 1048+25  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

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

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



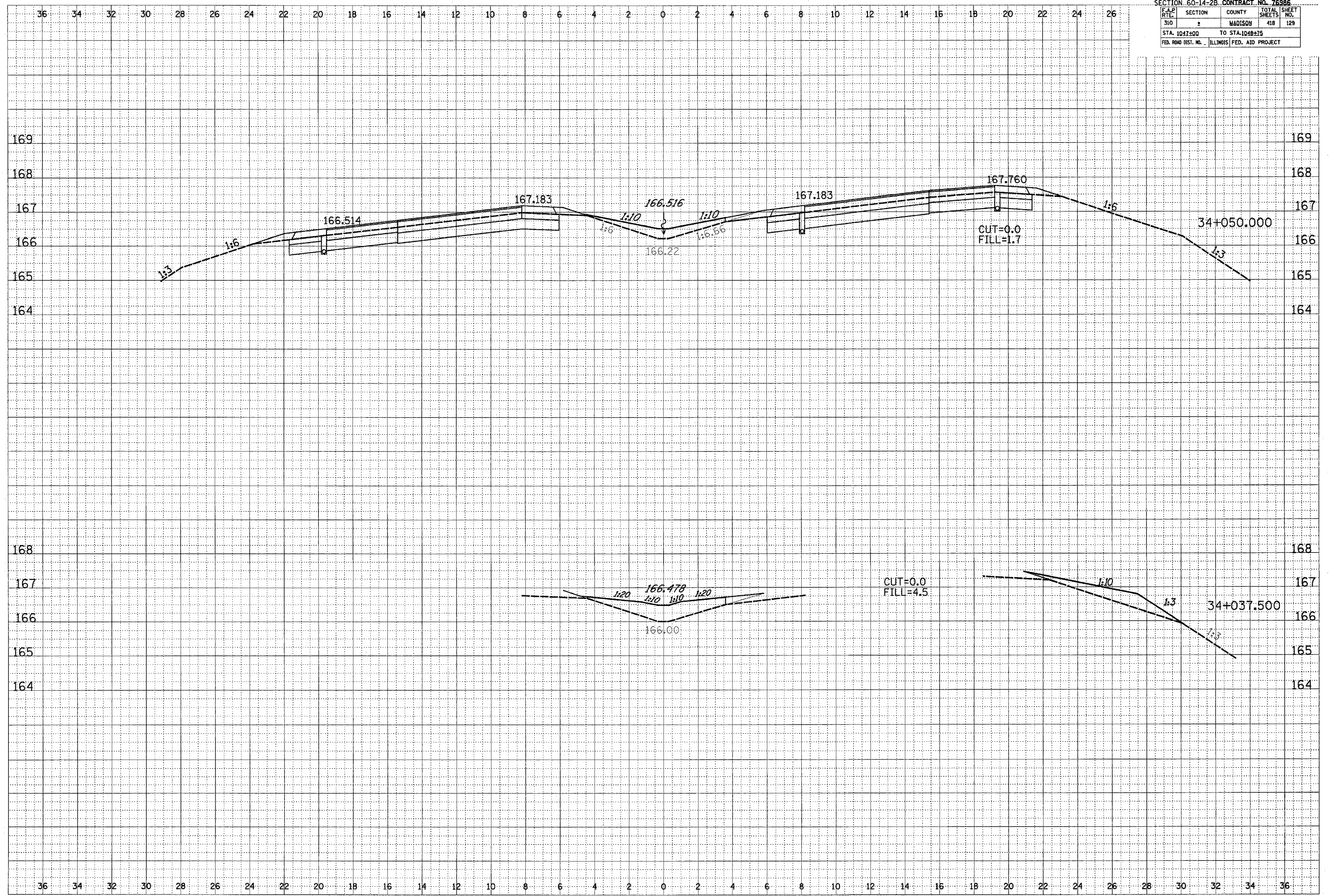
CROSS SECTION, FAP ROUTE 310, STA 34+012.500 TO STA 34+025



SECTION 60-14-2  
 SECTION 60-14-2B, CONTRACT NO. 76986  
 F.A.P. SECTION COUNTY TOTAL SHEET NO.  
 310 MADISON 418 129  
 STA. 1047+00 TO STA. 1048+75  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

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

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

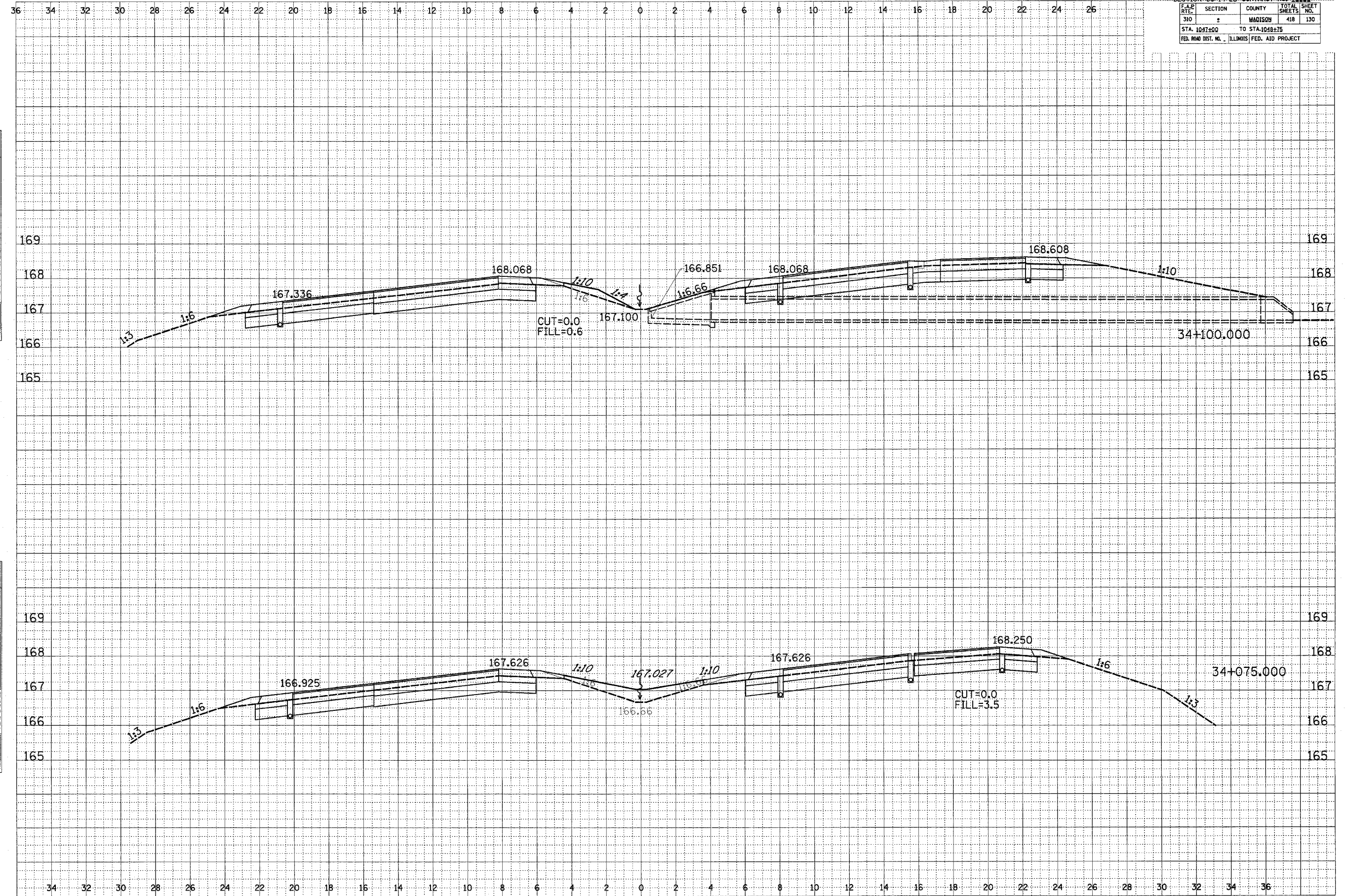


CROSS SECTION, FAP ROUTE 310, STA 33+037.500 TO STA 34+050.000  
 SIGN SHEET 33 OF 40

SECTION 60-14-2 CONTRACT NO. 76986  
 SECTION 60-14-2B COUNTY MADISON TOTAL SHEET NO. 418 130  
 STA. 1047+00 TO STA. 1048+75  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	



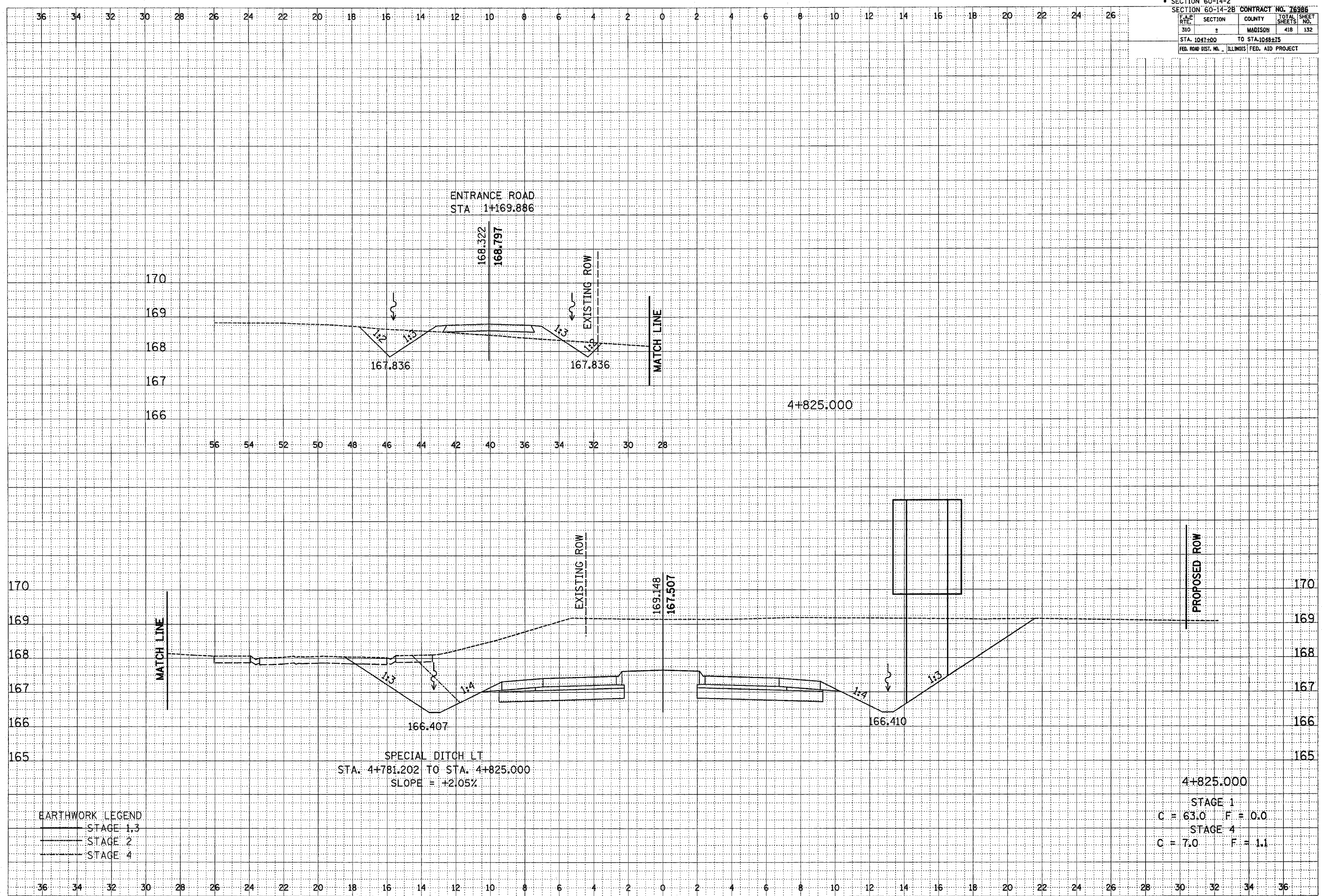
CROSS SECTION, FAP ROUTE 310, STA 33+075 TO STA 34+100.000





DATE	
BY	
SURVEYED	
SYMBOLS	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SYMBOLS	
TEMPLATE	
AREAS	
CHECKED	
NO.	



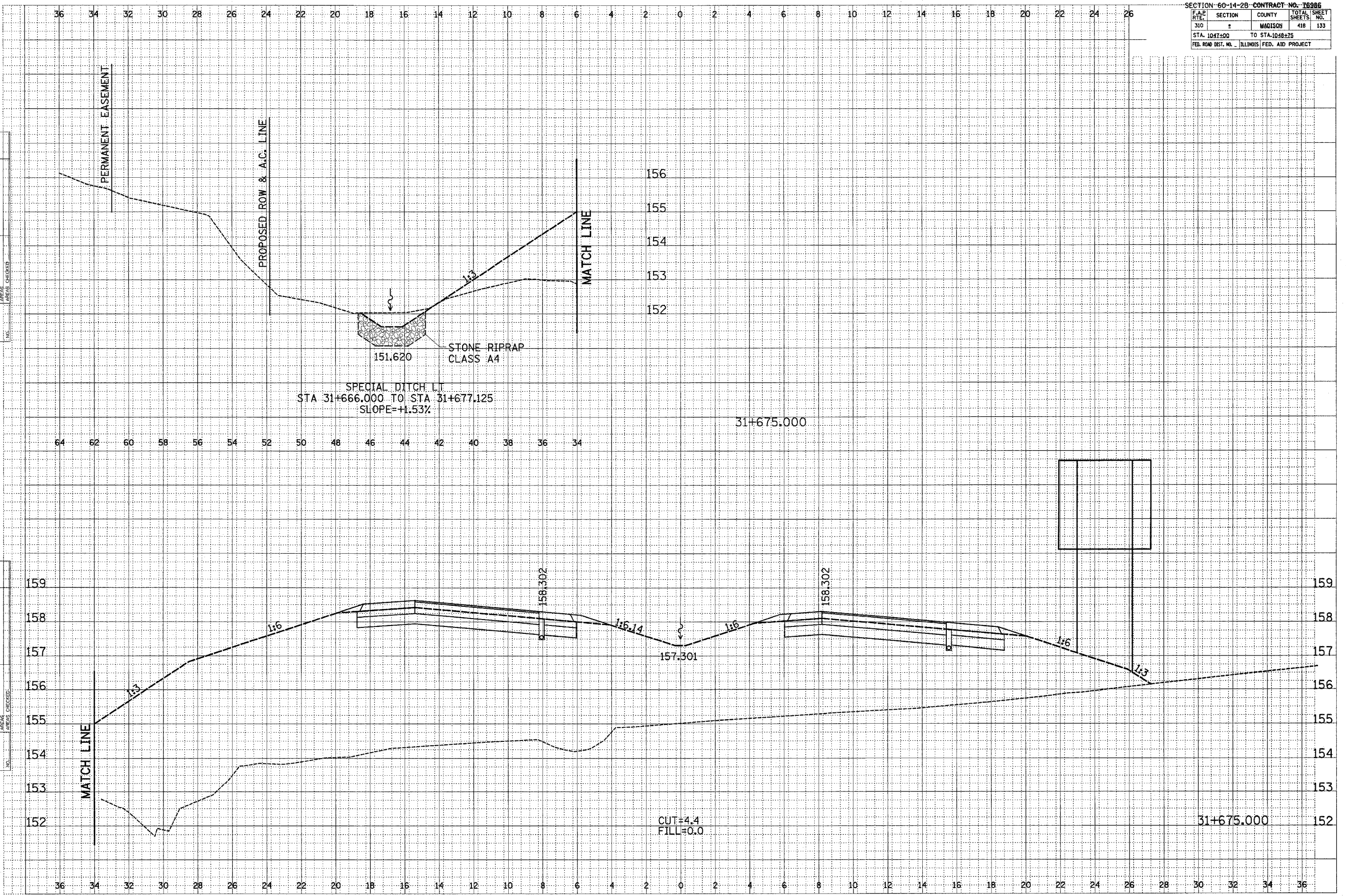
EARTHWORK LEGEND  
 — STAGE 1,3  
 - - - STAGE 2  
 - - - STAGE 4

4+825.000  
 STAGE 1  
 C = 63.0 F = 0.0  
 STAGE 4  
 C = 7.0 F = 1.1

CROSS SECTION, SEMINARY ROAD, STA 4+825.000

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

BY	DATE
SUPERVISED	
SURVEY	
TEMPLATE	
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BY	
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SURVEY	
NOTE BOOK	
AREAS	
CHECKED	
DATE	



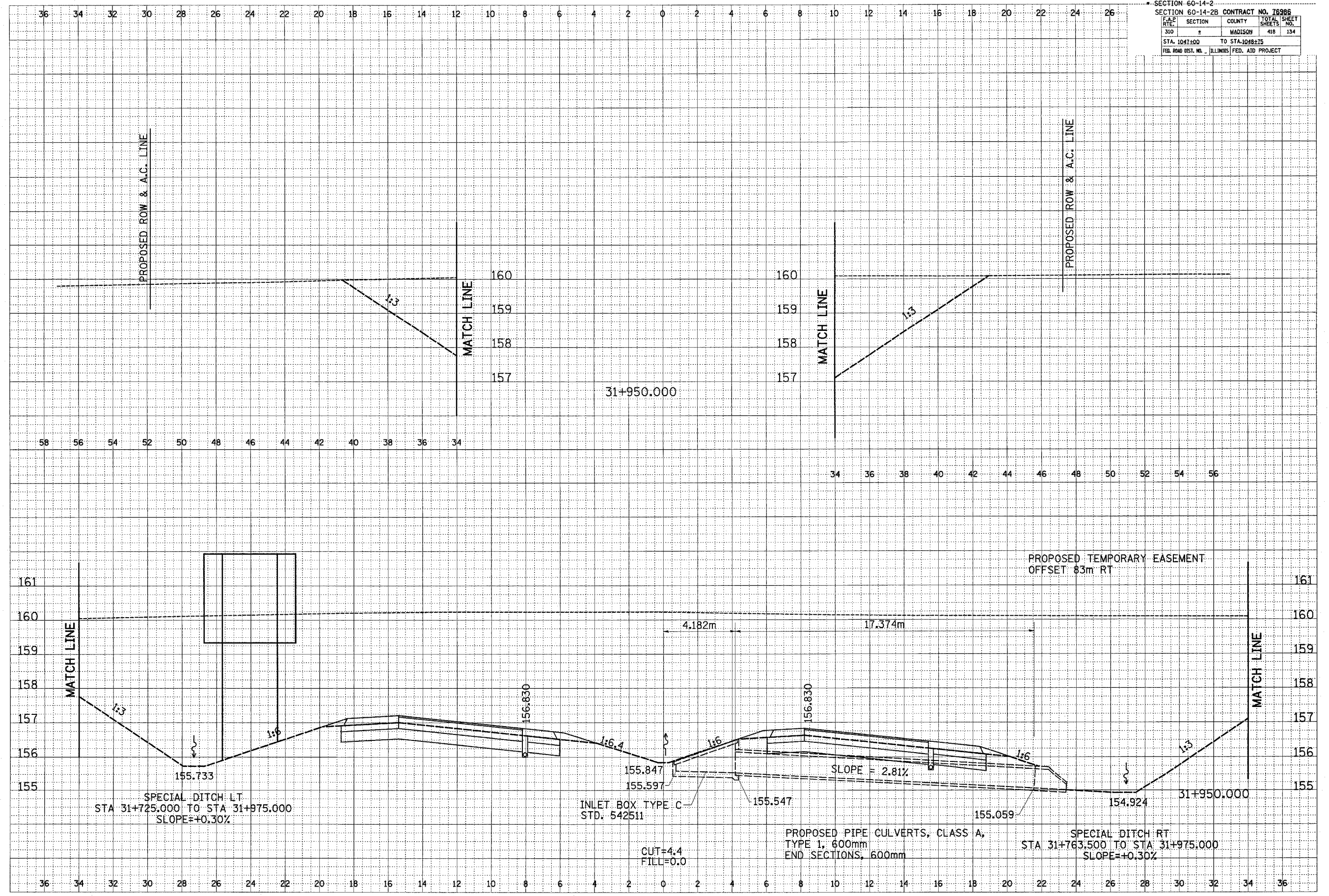
CROSS SECTION, FAP ROUTE 310, STA 31+675.000

SECTION 60-14-2 CONTRACT NO. 18985

FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	134
STA. 1047+00		TO STA. 1048+75		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	

DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	



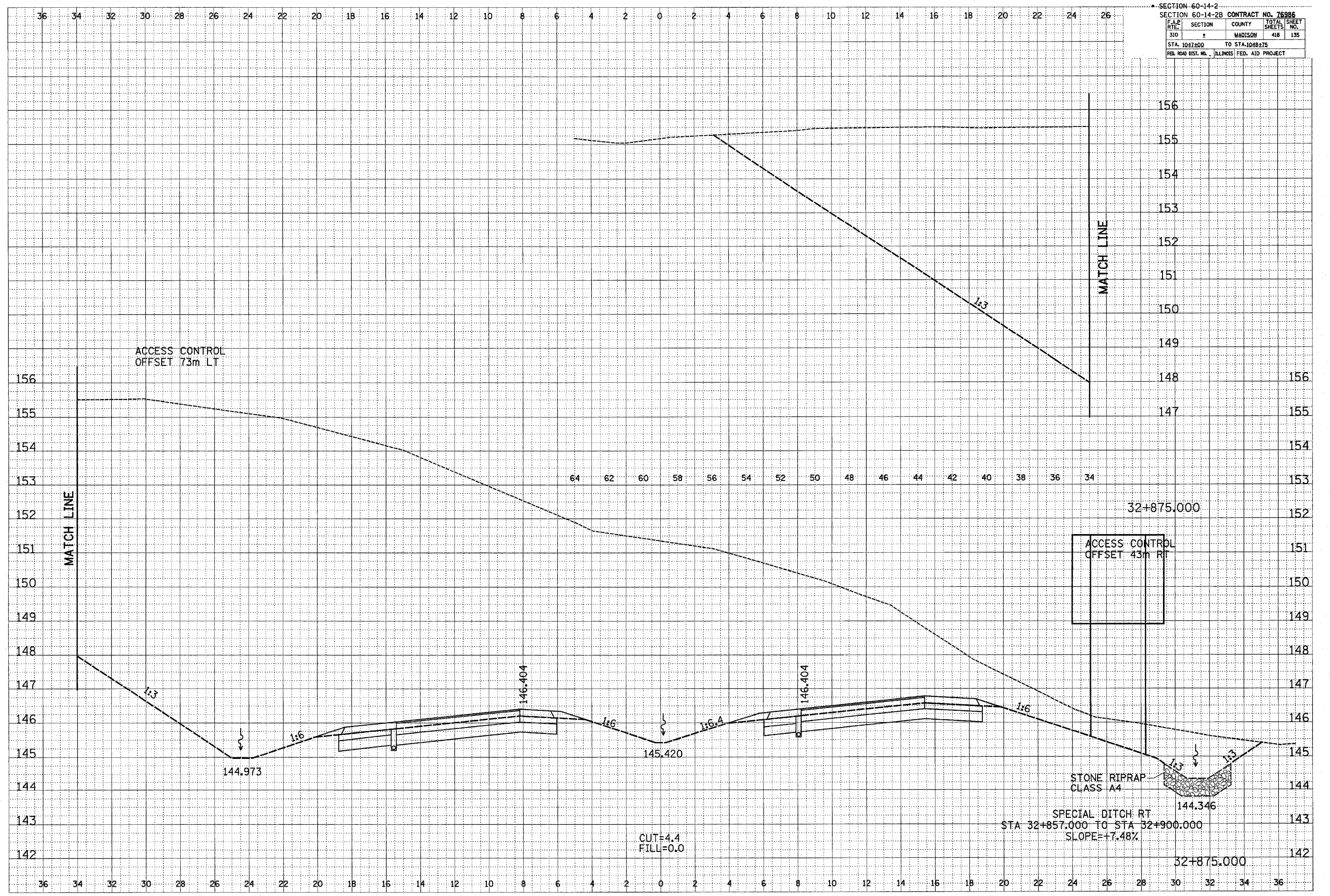
CROSS SECTION, FAP ROUTE 310, STA 31+950.000



SECTION 60-14-2  
 SECTION 60-14-2B CONTRACT NO. 76986  
 F.A.P. SECTION COUNTY TOTAL SHEET SHEET NO.  
 310 MADISON 418 135  
 STA. 1047+00 TO STA. 1048+75  
 ILLINOIS FED. AID PROJECT

DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 SURVEY \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 AREAS \_\_\_\_\_  
 CHECKED \_\_\_\_\_

DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 ORIGINAL SURVEY \_\_\_\_\_  
 SURVEY \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
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 AREAS \_\_\_\_\_  
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CROSS SECTION, FAP ROUTE 310, STA 32+875.000

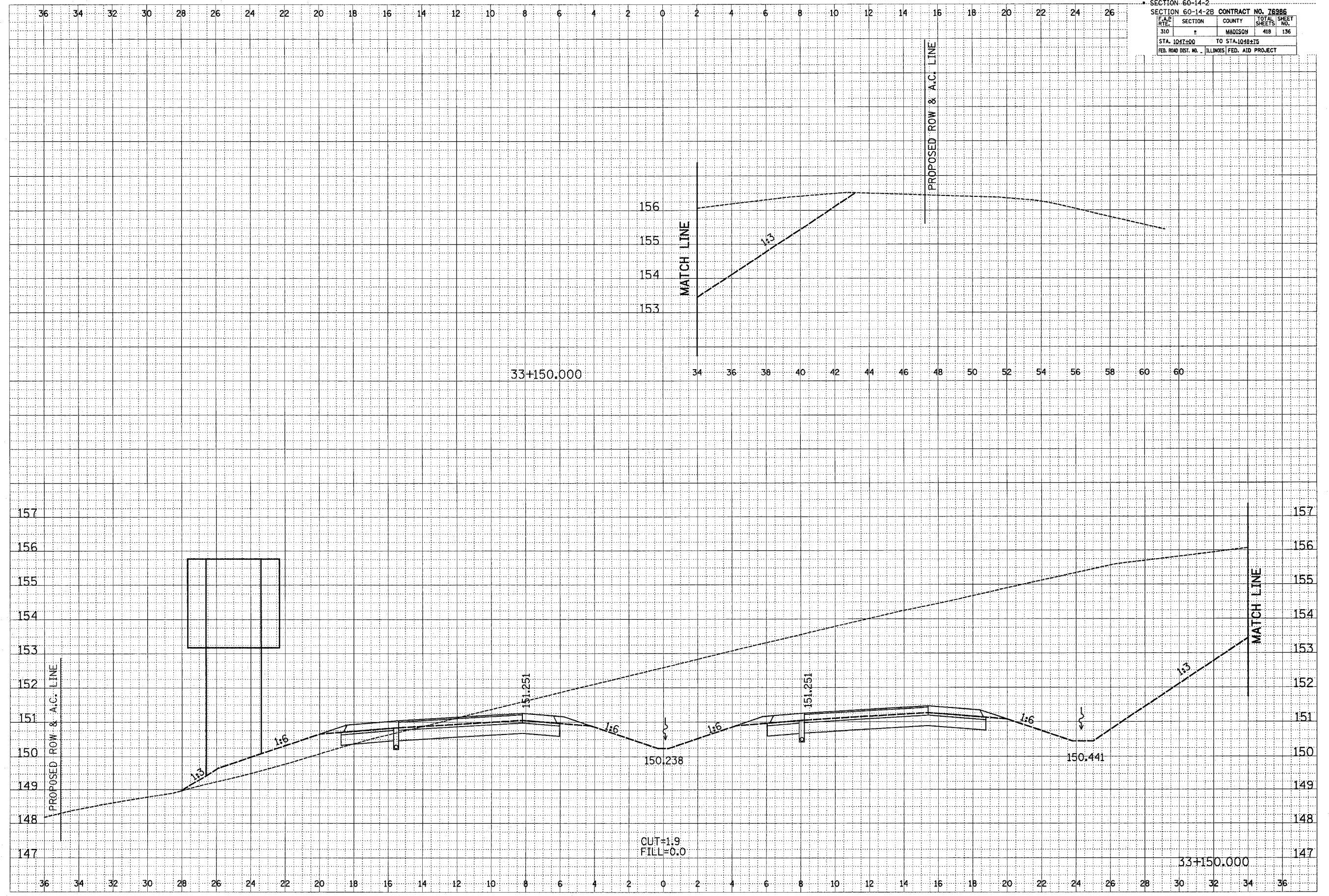


SECTION 60-14-2 CONTRACT NO. 76985

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		MADISON	418	136
STA. 1047+00		TO STA. 1048+75		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

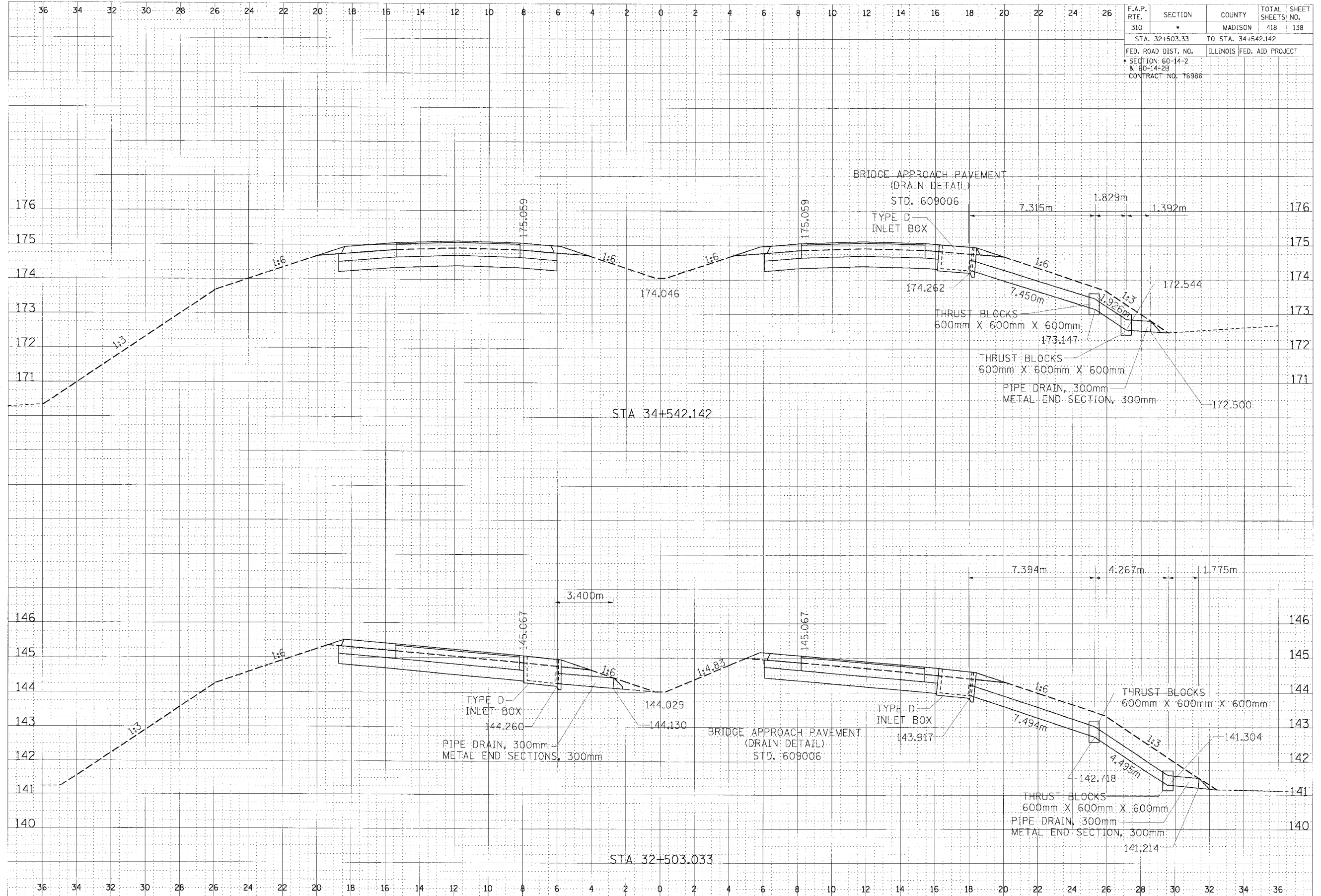
DATE	BY
SURVEYED	
PLANNED	
NOTED	
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CROSS SECTION, FAP ROUTE 310, STA 33+150.000





F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	138
STA. 32+503.33		TO STA. 34+542.142		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
SECTION 60-14-2 & 60-14-2B				
CONTRACT NO. 76986				

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CULVERT PROFILES, FAP ROUTE 310, STA 32+503.033 & STA 34+542.142

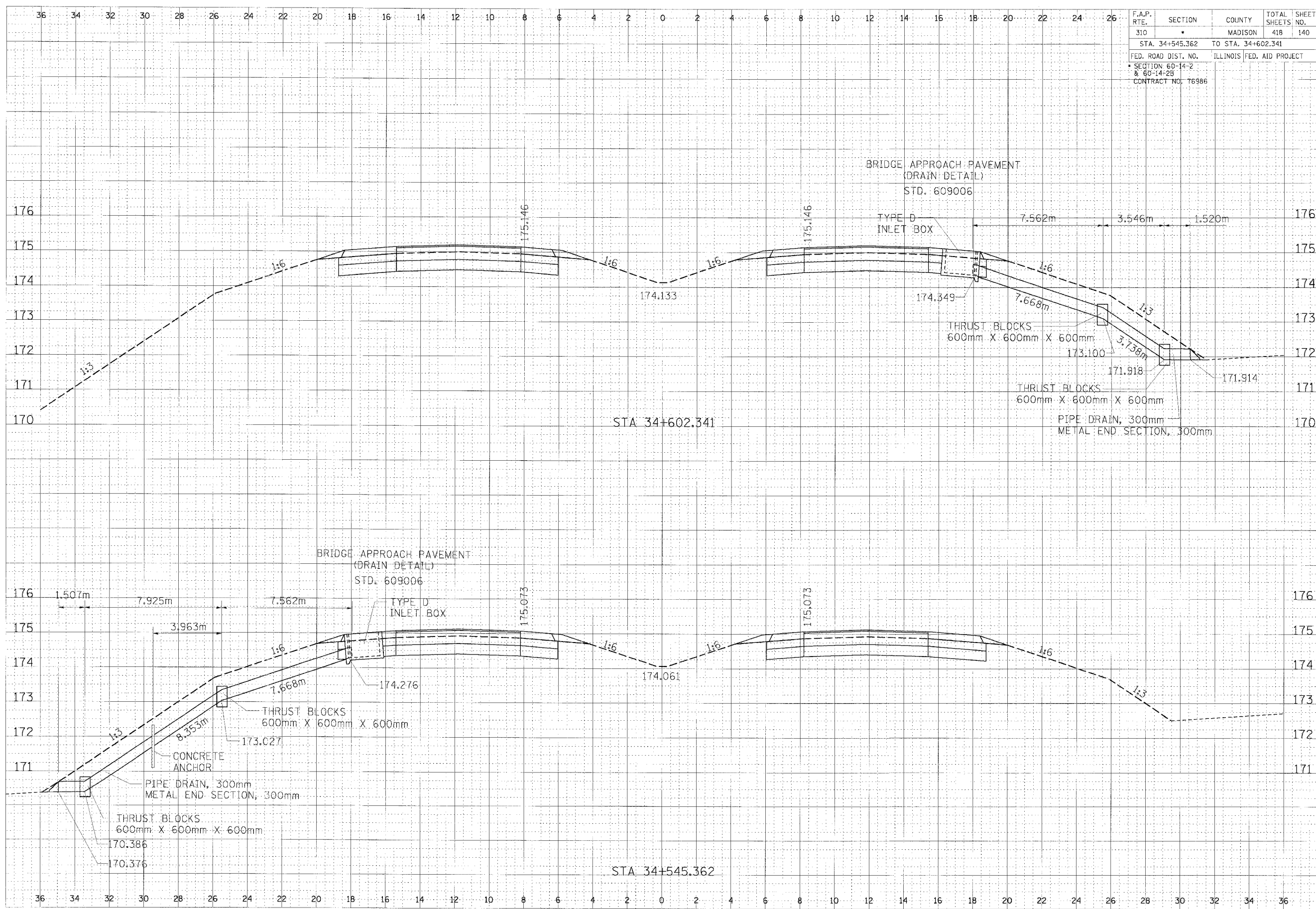
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	140
STA. 34+545.362 TO STA. 34+602.341				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SECTION 60-14-2 & 60-14-2B				
CONTRACT NO. 76986				

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CULVERT PROFILES, FAP ROUTE 310, STA 34+545.362 & STA 34+602.341

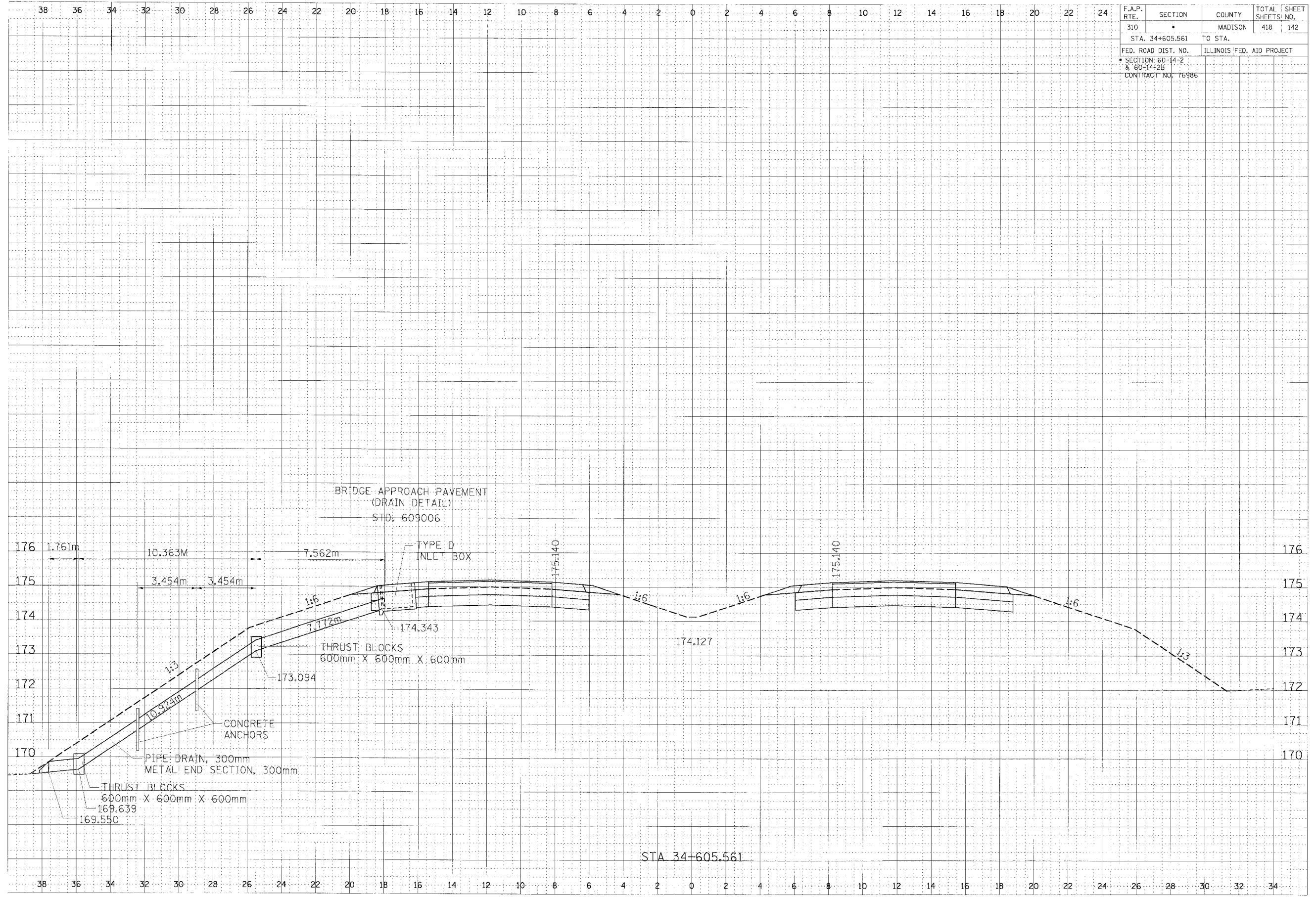




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	▪	MADISON	418	142
STA. 34+605.561		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
SECTION: 60-14-2 & 60-14-28				
CONTRACT NO. 76986				

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STA 34+605.561

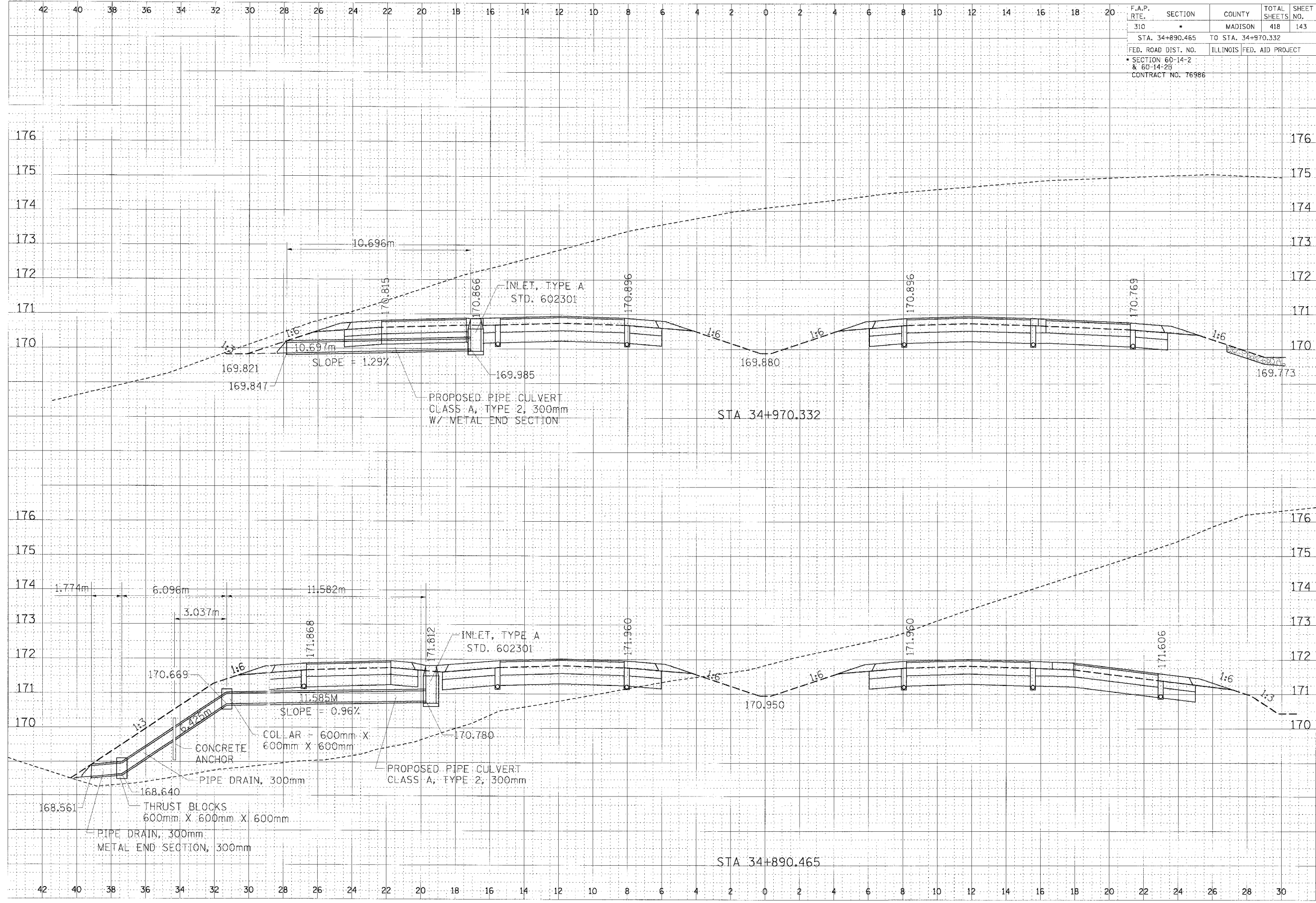
CULVERT PROFILES, FAP ROUTE 310, STA 34+605.561



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	143
STA. 34+890.465 TO STA. 34+970.332				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
SECTION 60-14-2 & 60-14-2B				
CONTRACT NO. 76986				

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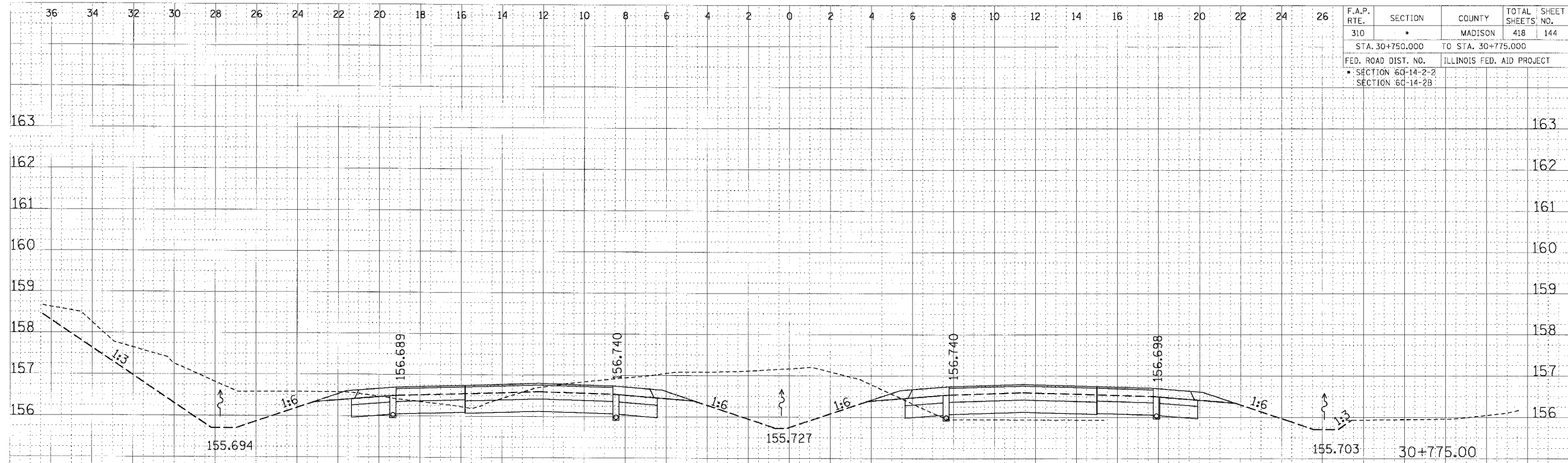
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CULVERT PROFILES, FAP ROUTE 310, STA 34+890.465 & STA 34+970.332

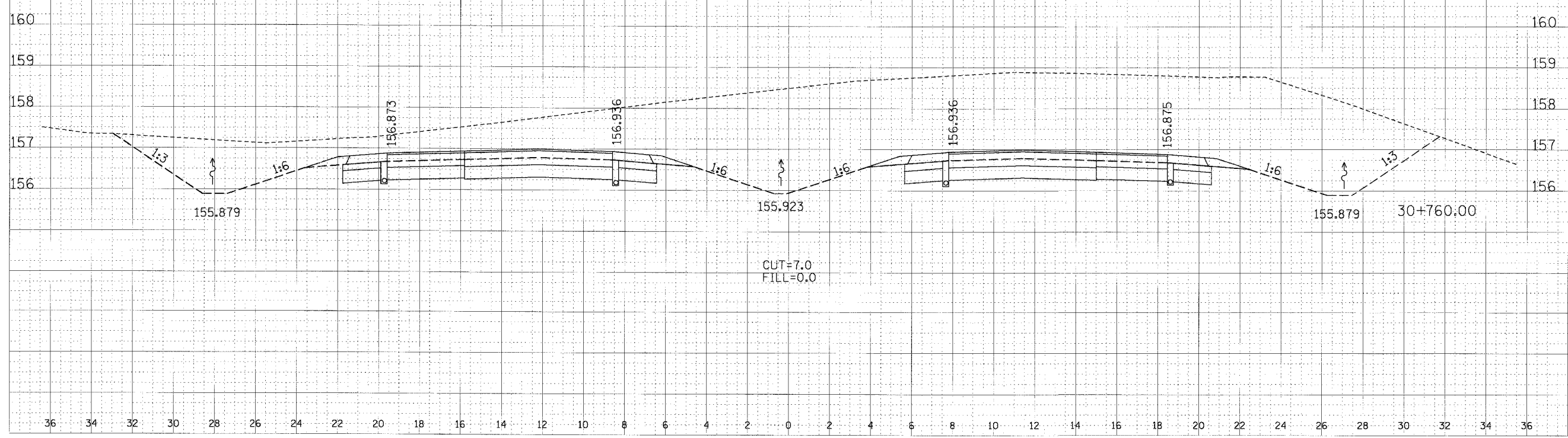
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	144
STA. 30+750.000		TO STA. 30+775.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* SECTION 60-14-2-2		SECTION 60-14-2B		



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CROSS SECTION, FAP ROUTE 310, STA 30+760.000 TO STA 30+775.000

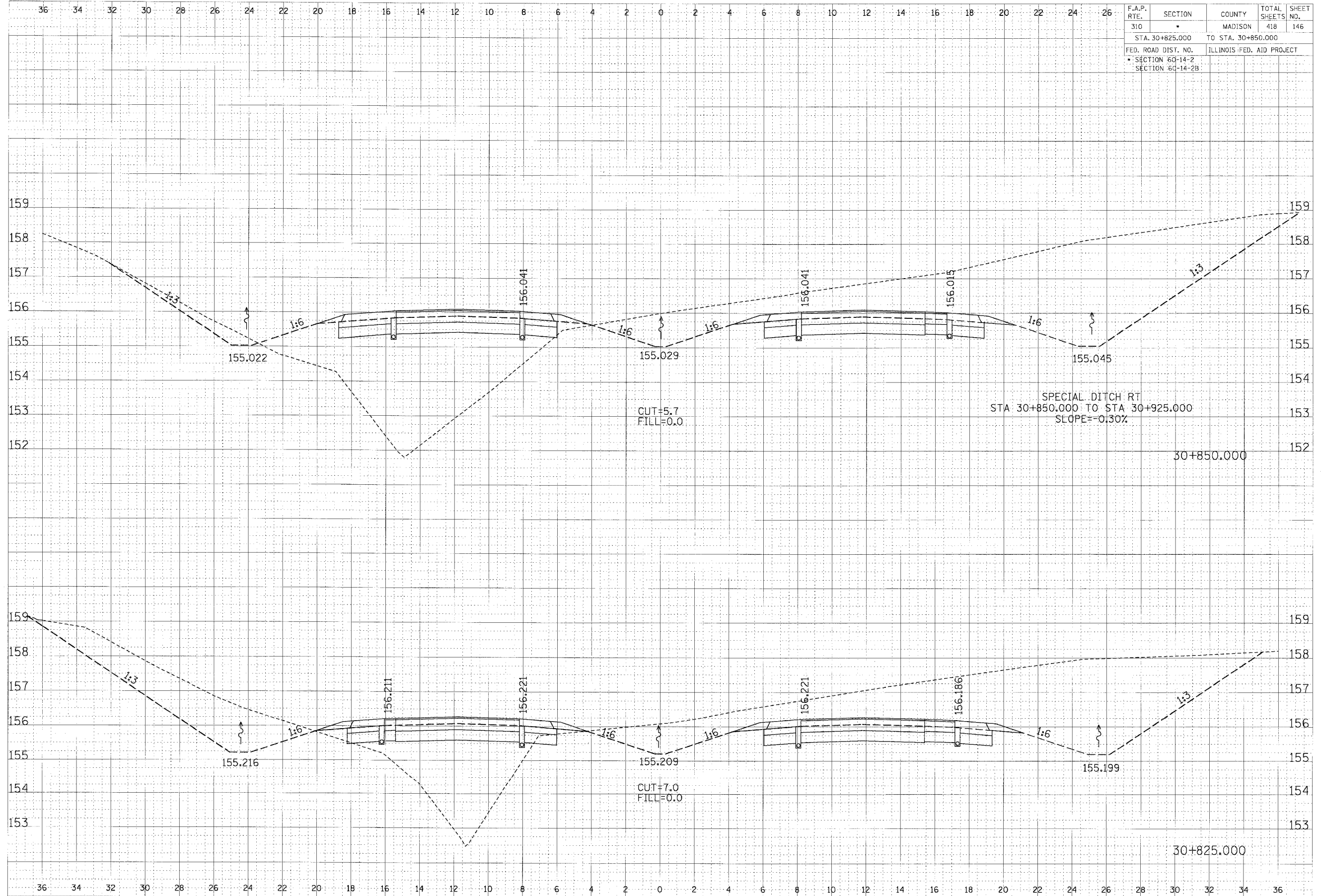
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		MADISON	418	146
STA. 30+825.000		TO STA. 30+850.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
SECTION 60-14-2		SECTION 60-14-2B		

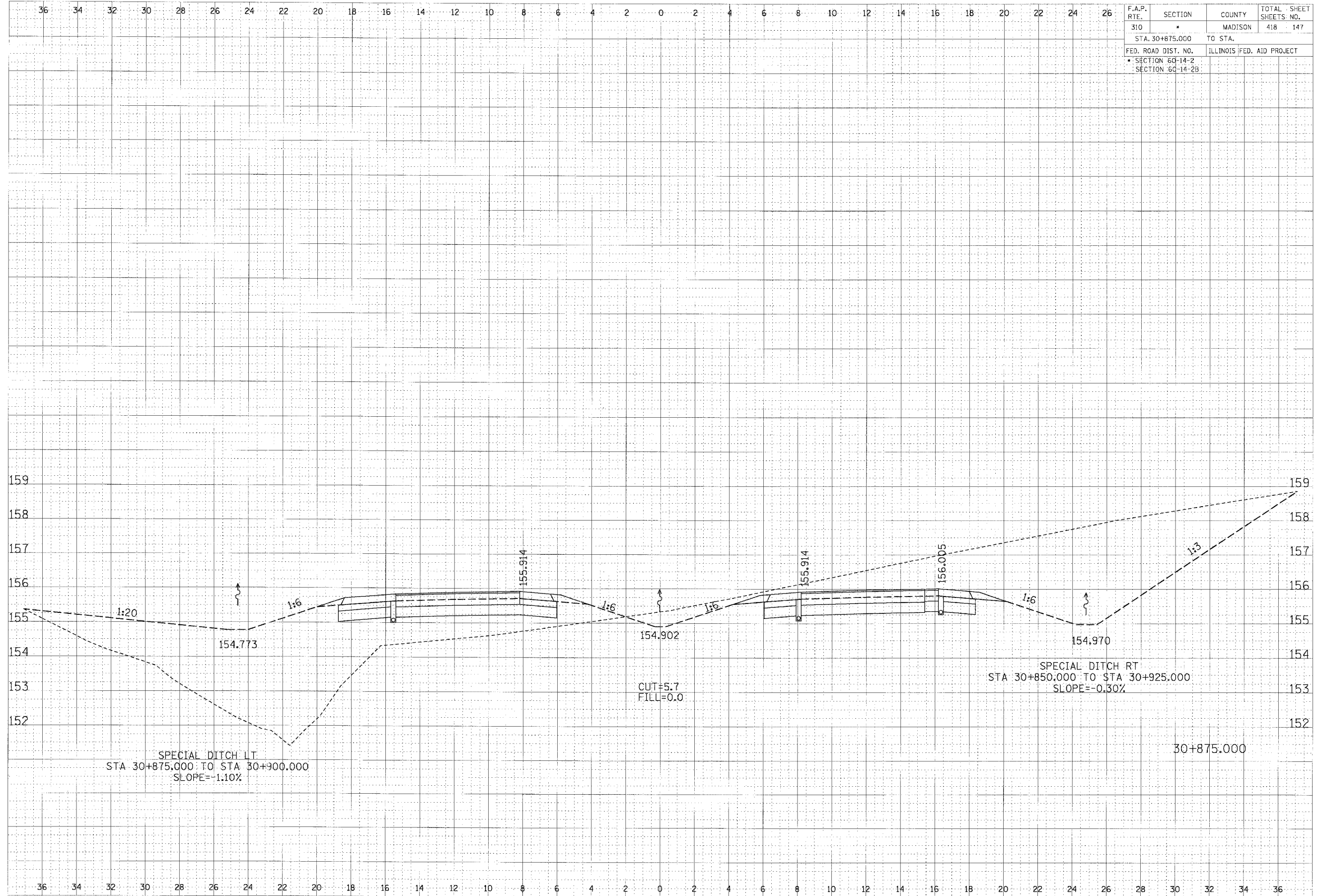
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CROSS SECTION, FAP ROUTE 310, STA 30+825.000 TO STA 30+850.000





F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	147
STA. 30+875.000		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* SECTION 60-14-2		SECTION 60-14-2B		

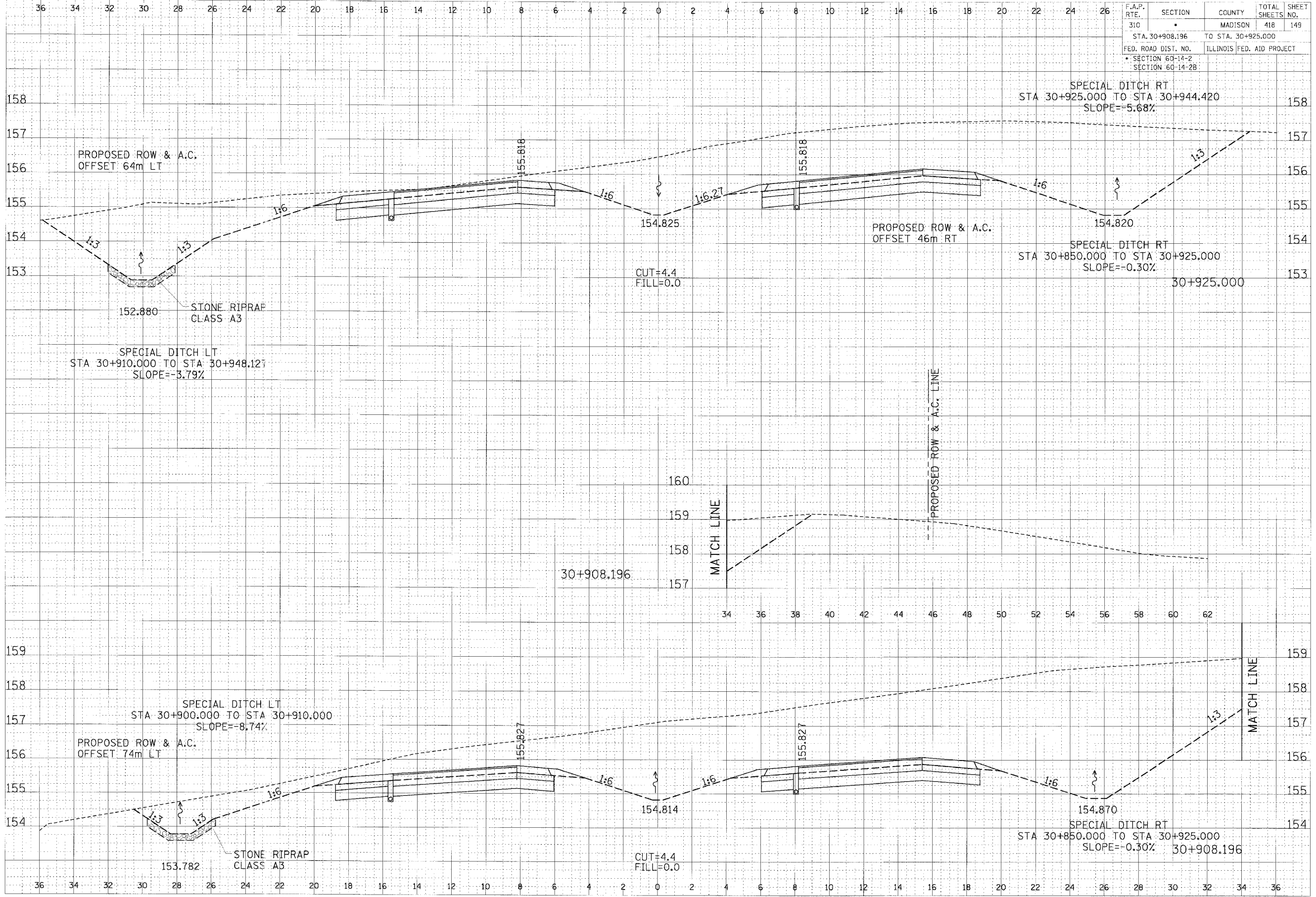
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CROSS SECTION, FAP ROUTE 310, STA 30+875.000



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	149
STA. 30+908.196 TO STA. 30+925.000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
SECTION 60-14-2				
SECTION 60-14-2B				



CROSS SECTION, FAP ROUTE 310, STA 30+908.196 TO STA 30+925.000

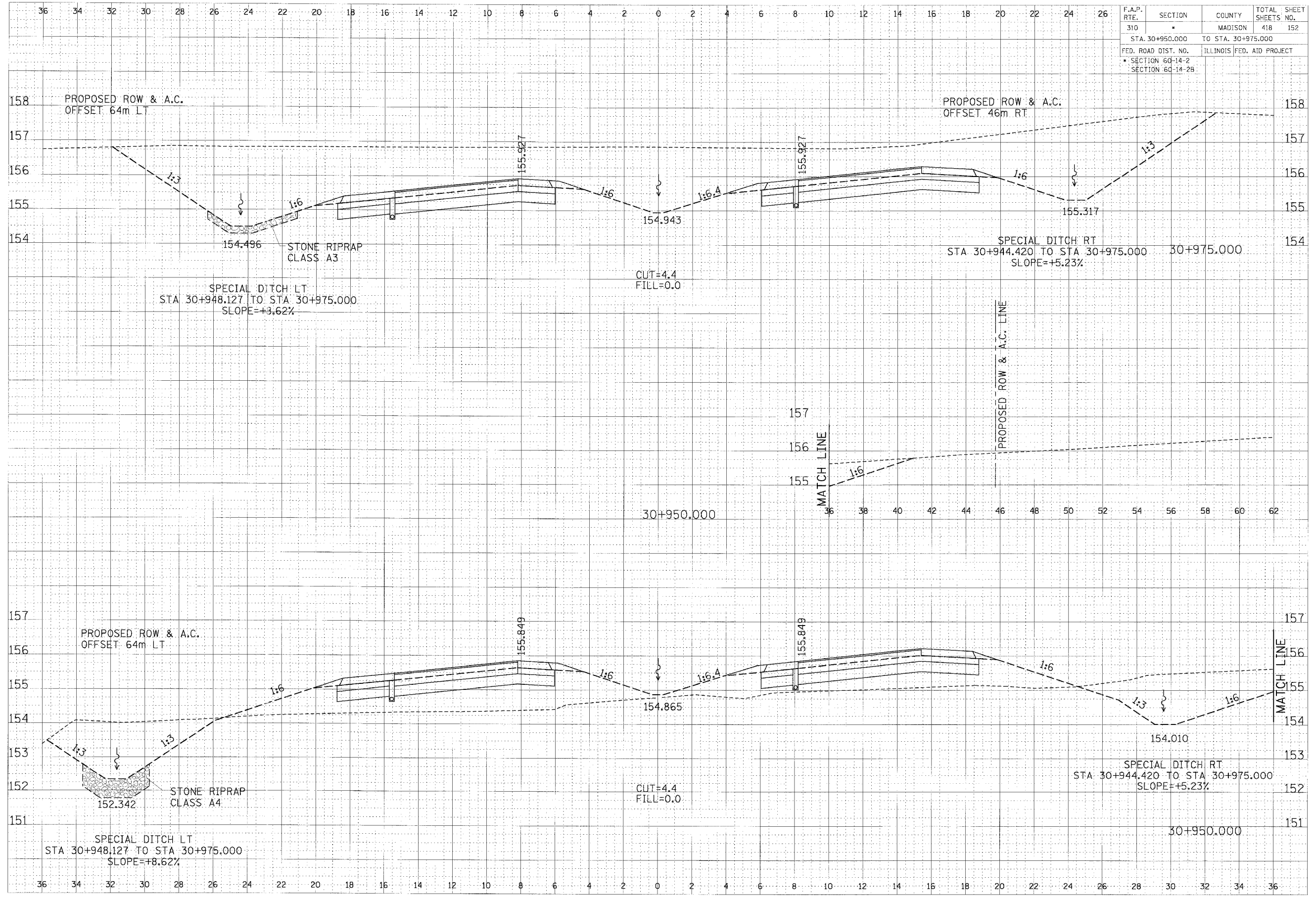
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	152
STA. 30+950.000 TO STA. 30+975.000				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* SECTION 60-14-2				
SECTION 60-14-2B				

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CROSS SECTION, FAP ROUTE 310, STA 30+950.000 TO STA 30+975.000

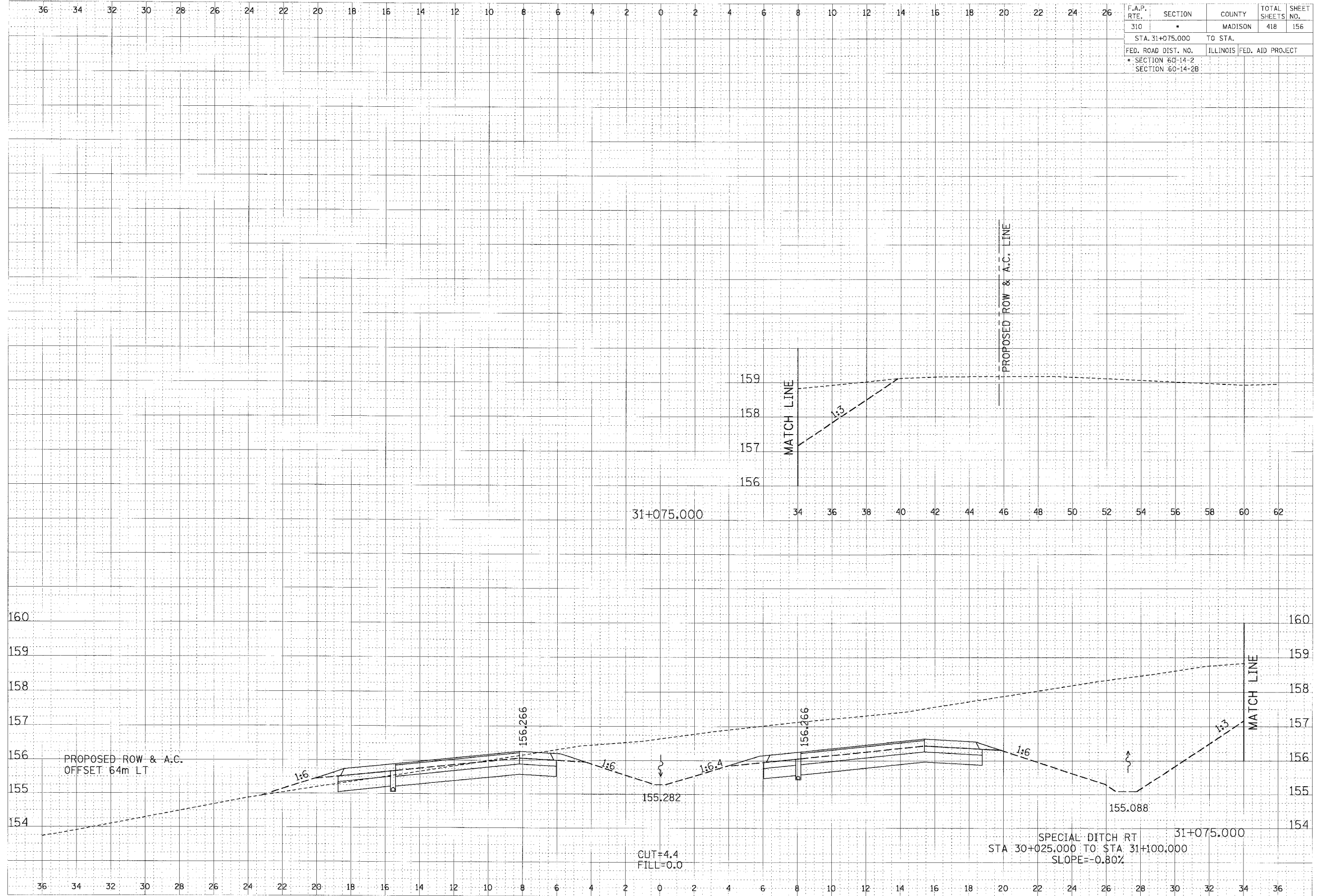










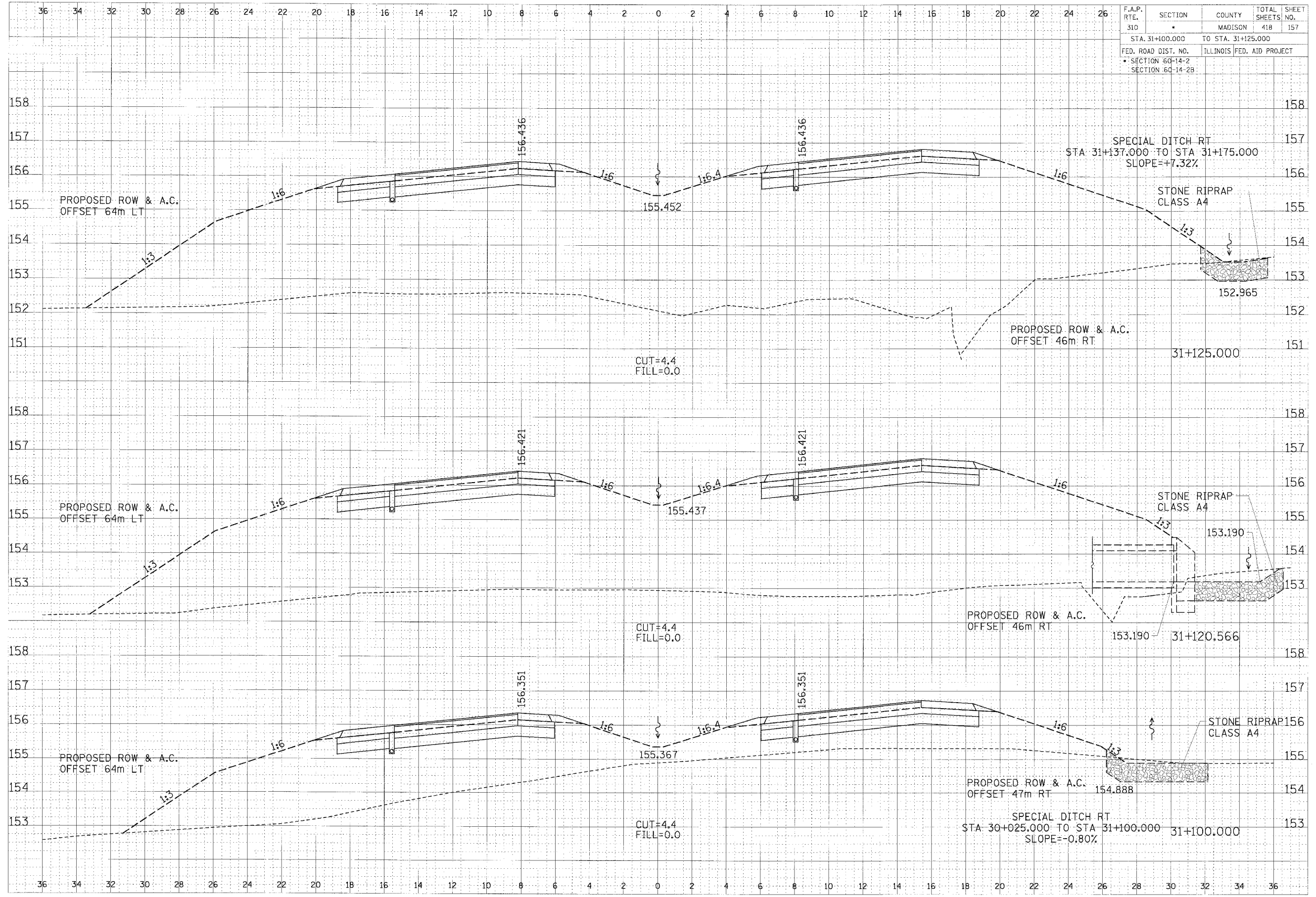


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	156
STA. 31+075.000		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* SECTION 60-14-2		SECTION 60-14-2B		

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CROSS SECTION, FAP ROUTE 310, STA 31+075.000



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	157
STA. 31+100.000 TO STA. 31+125.000				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* SECTION 60-14-2				
SECTION 60-14-2B				

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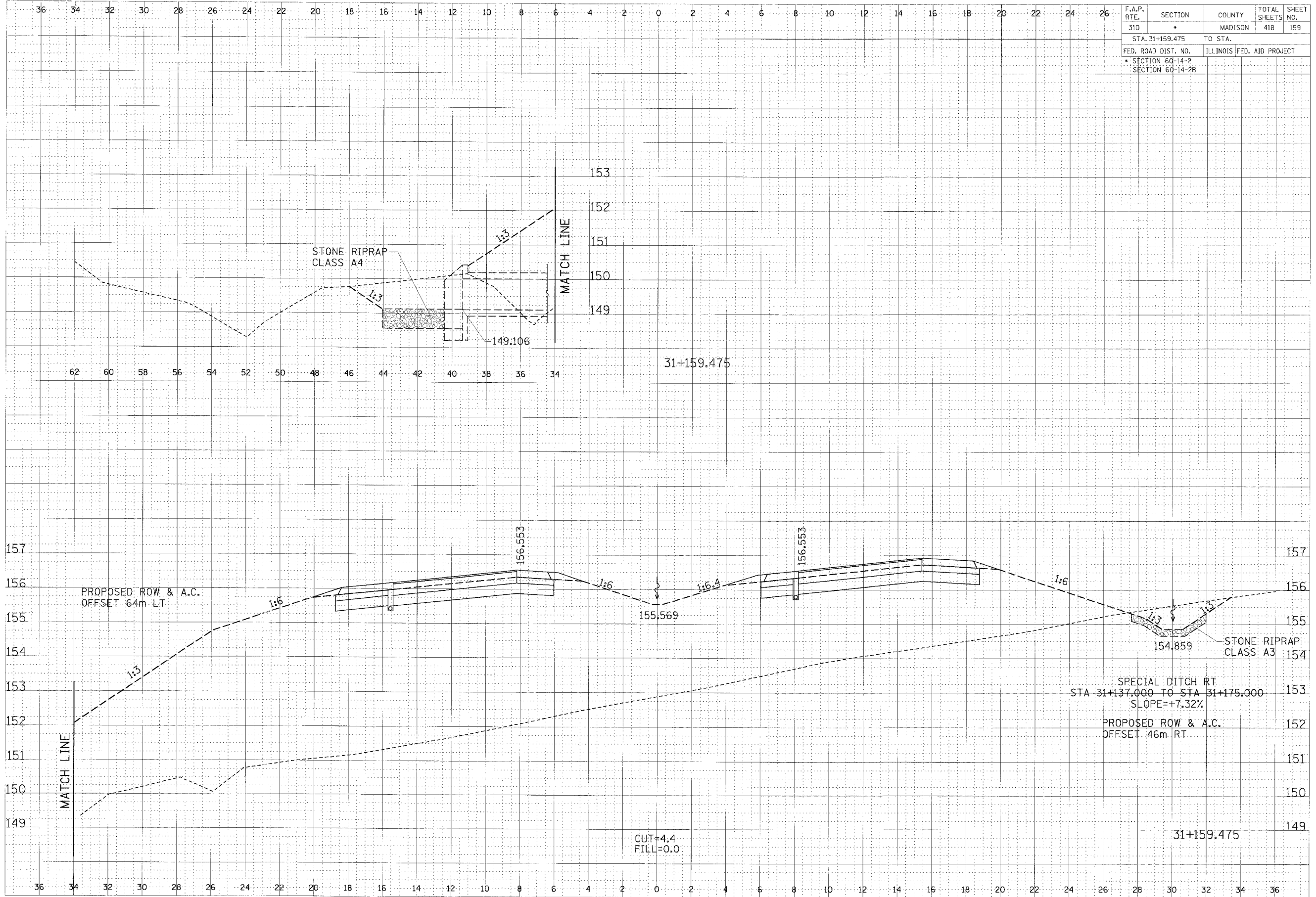




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		MADISON	418	159
STA. 31+159.475		TO STA.		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* SECTION 60-14-2				
SECTION 60-14-2B				

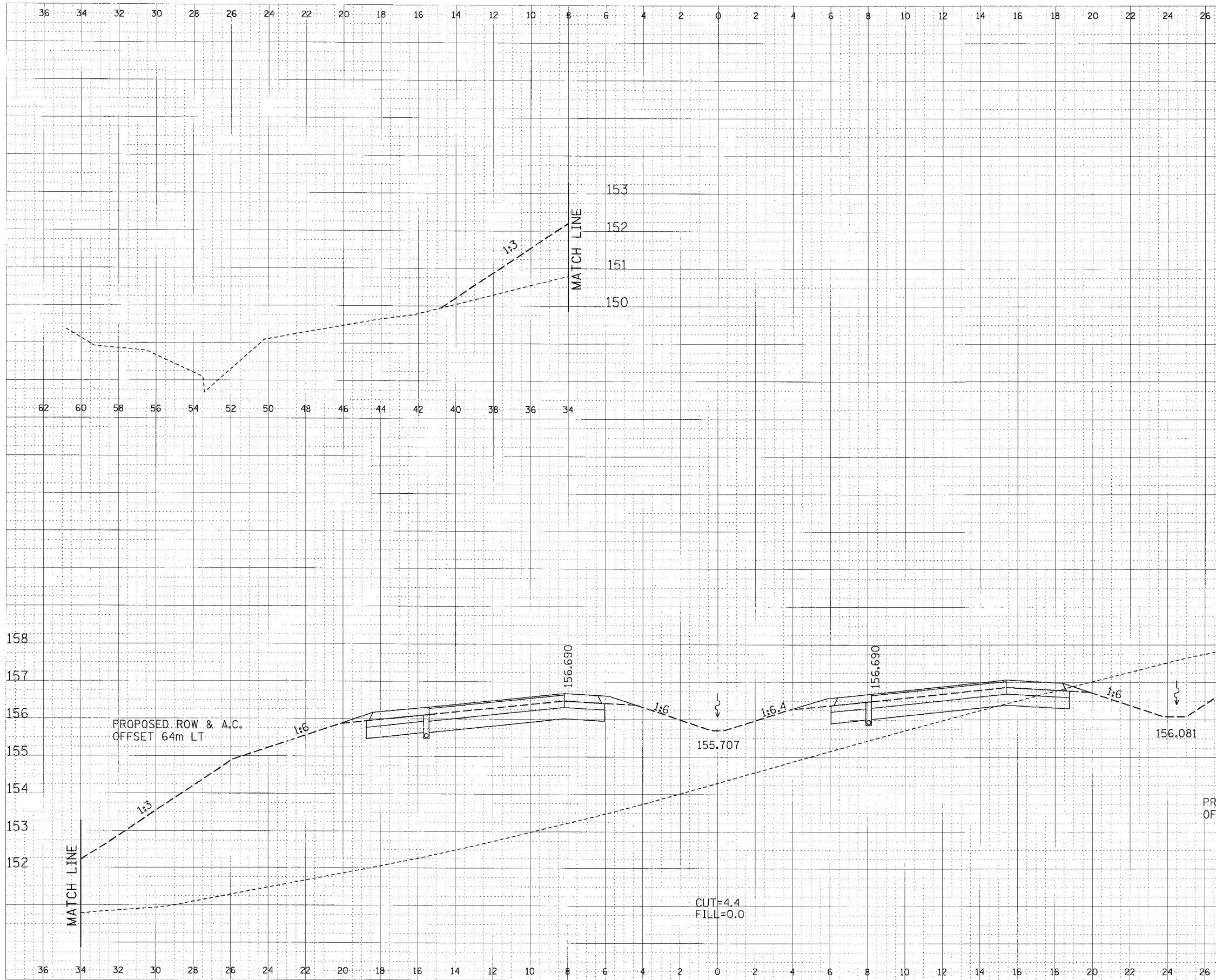
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CROSS SECTION, FAP ROUTE 310, STA 31+159.475





F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	161
STA. 31+200.000		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* SECTION 60-14-2				
SECTION 60-14-2B				

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CROSS SECTION, FAP ROUTE 310, STA 31+200.000









F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	165
STA. 31+275.000		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* SECTION 60-14-2				
SECTION 60-14-2B				

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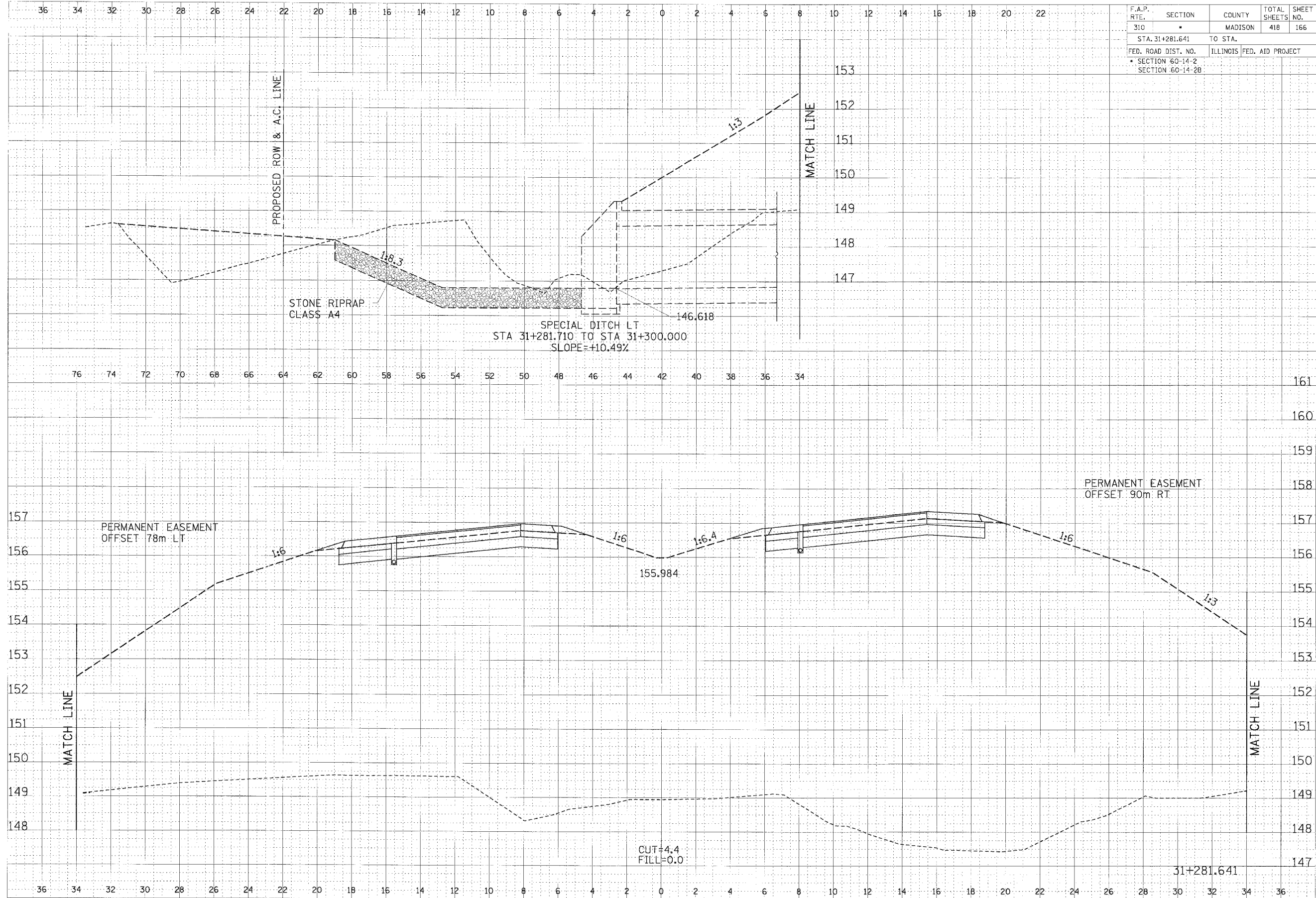
31+275.000

CROSS SECTION, FAP ROUTE 310, STA 31+275.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		MADISON	418	166
STA. 31+281.641		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* SECTION 60-14-2				
* SECTION 60-14-2B				

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CROSS SECTION, FAP ROUTE 310, STA 31+281.641



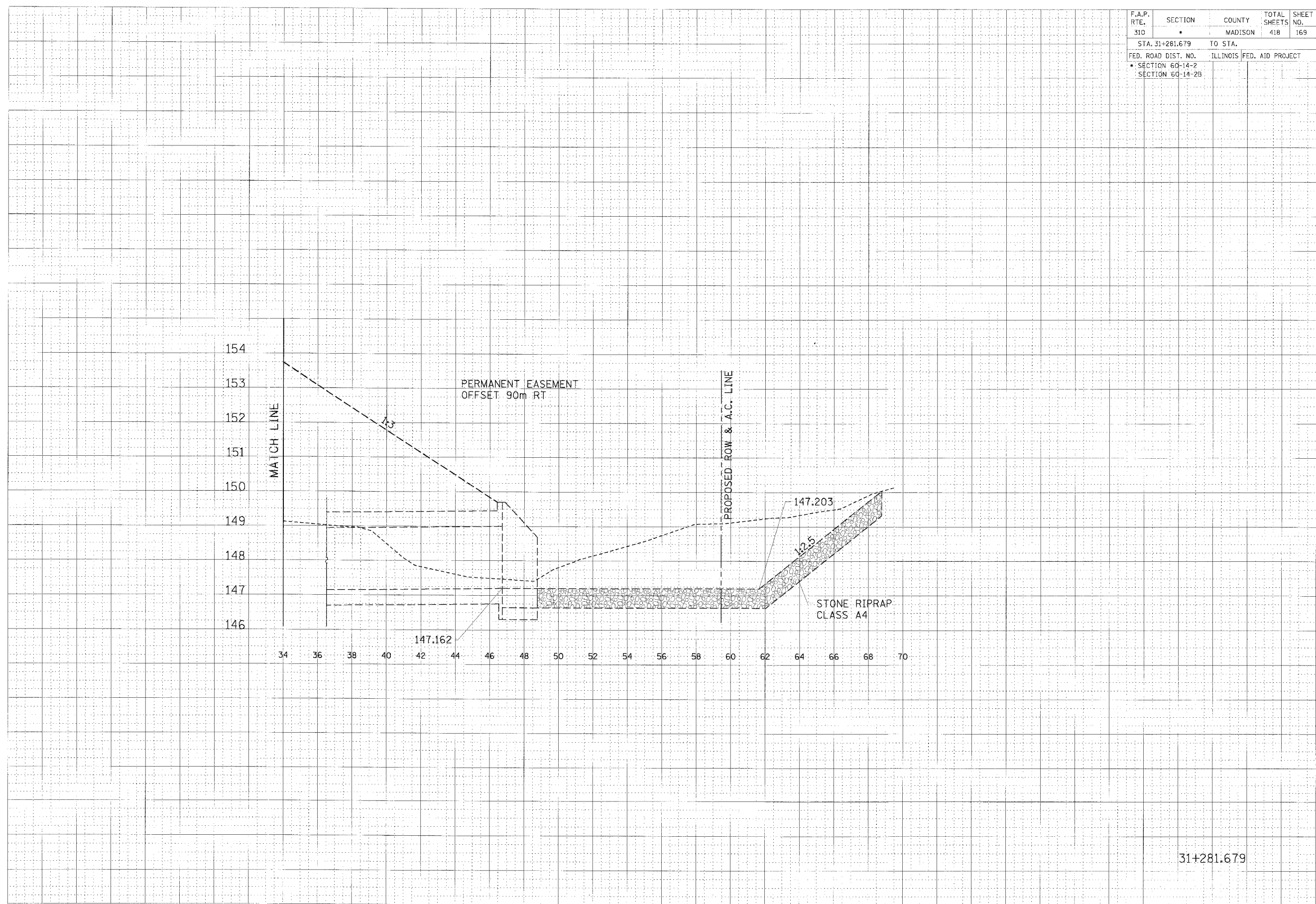




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		MADISON	418	169
STA. 31+281.679		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
SECTION 60-14-2		SECTION 60-14-2B		

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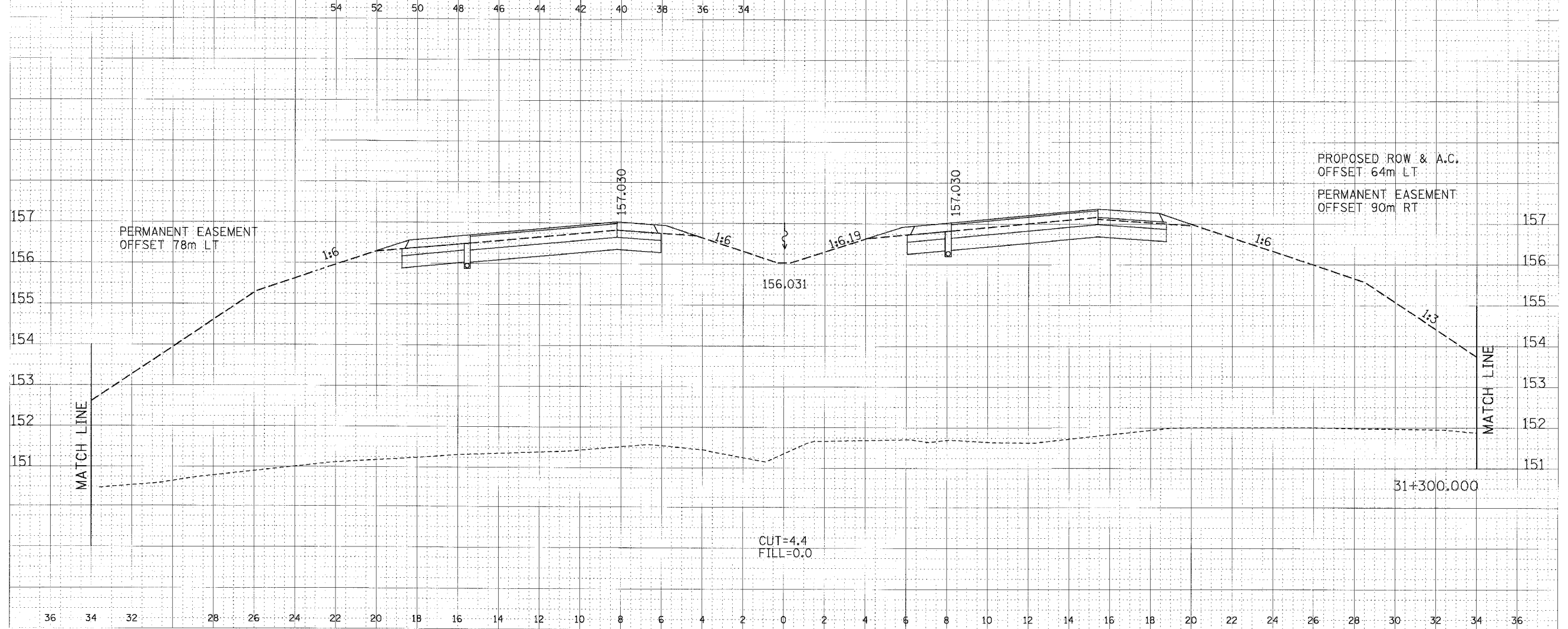
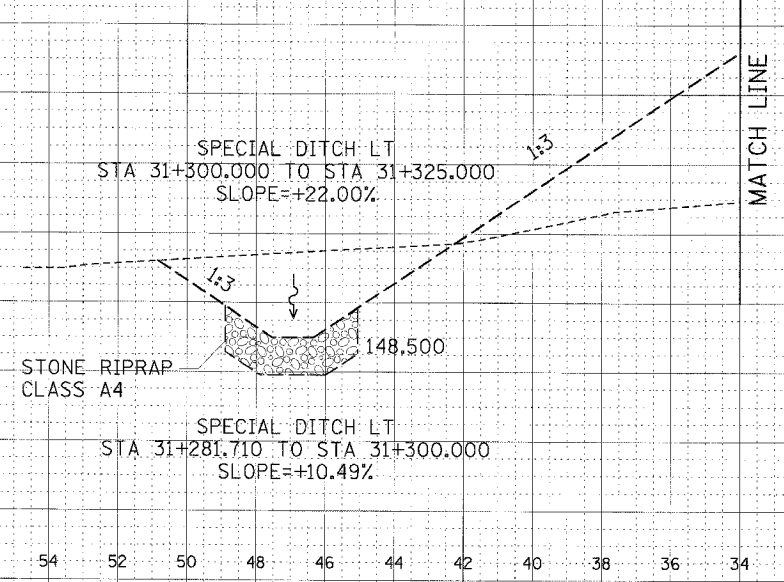
31+281.679

CROSS SECTION, FAP ROUTE 310, STA 31+281.679

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
310	*	MADISON	418	170
STA. 31+300.000		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* SECTION 60-14-2		SECTION 60-14-2B		

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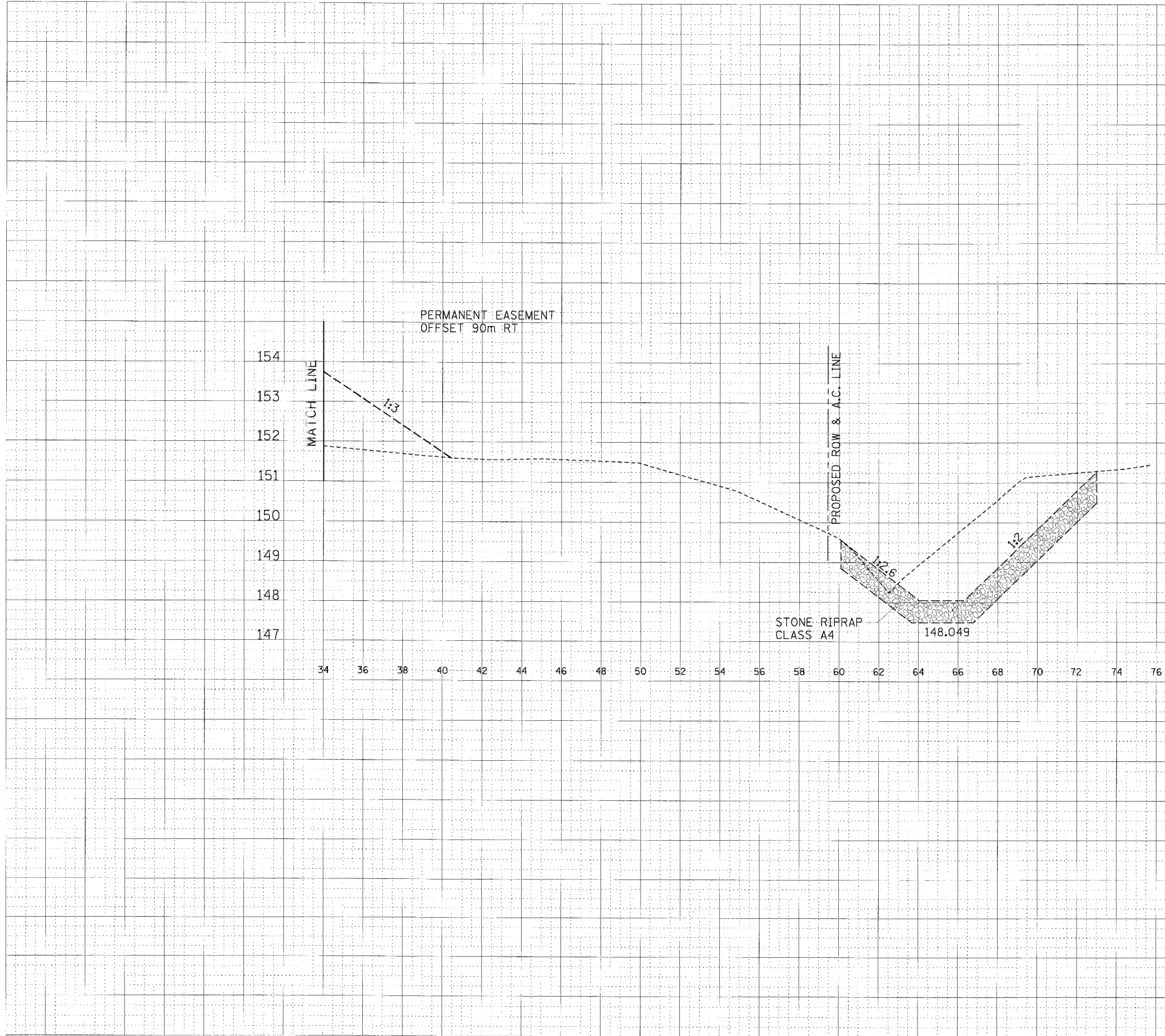
CROSS SECTION, FAP ROUTE 310, STA 31+300.000



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		MADISON	418	171
STA. 31+300.000		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
SECTION 60-14-2				
SECTION 60-14-2B				

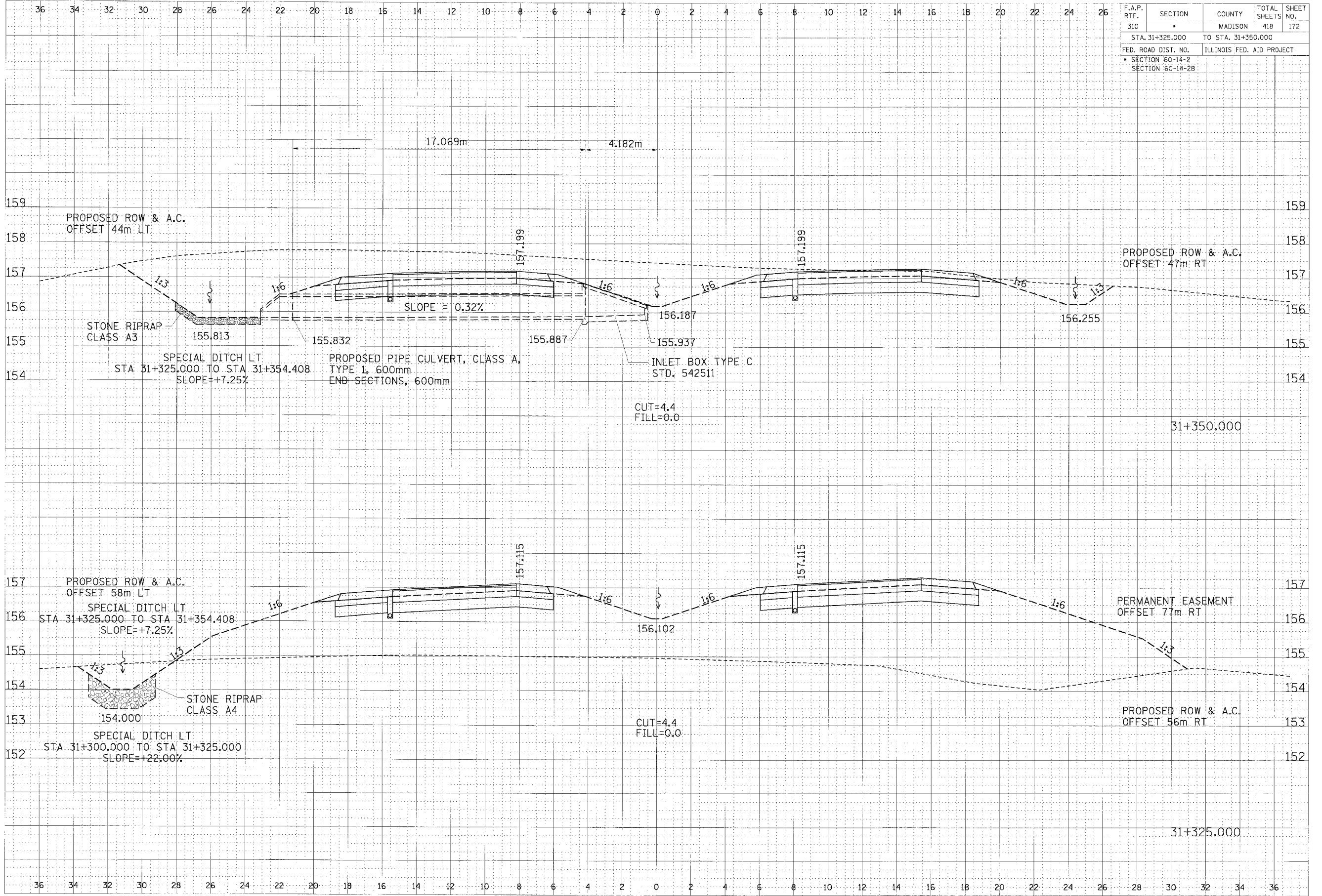
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CROSS SECTION, FAP ROUTE 310, STA 31+300.000



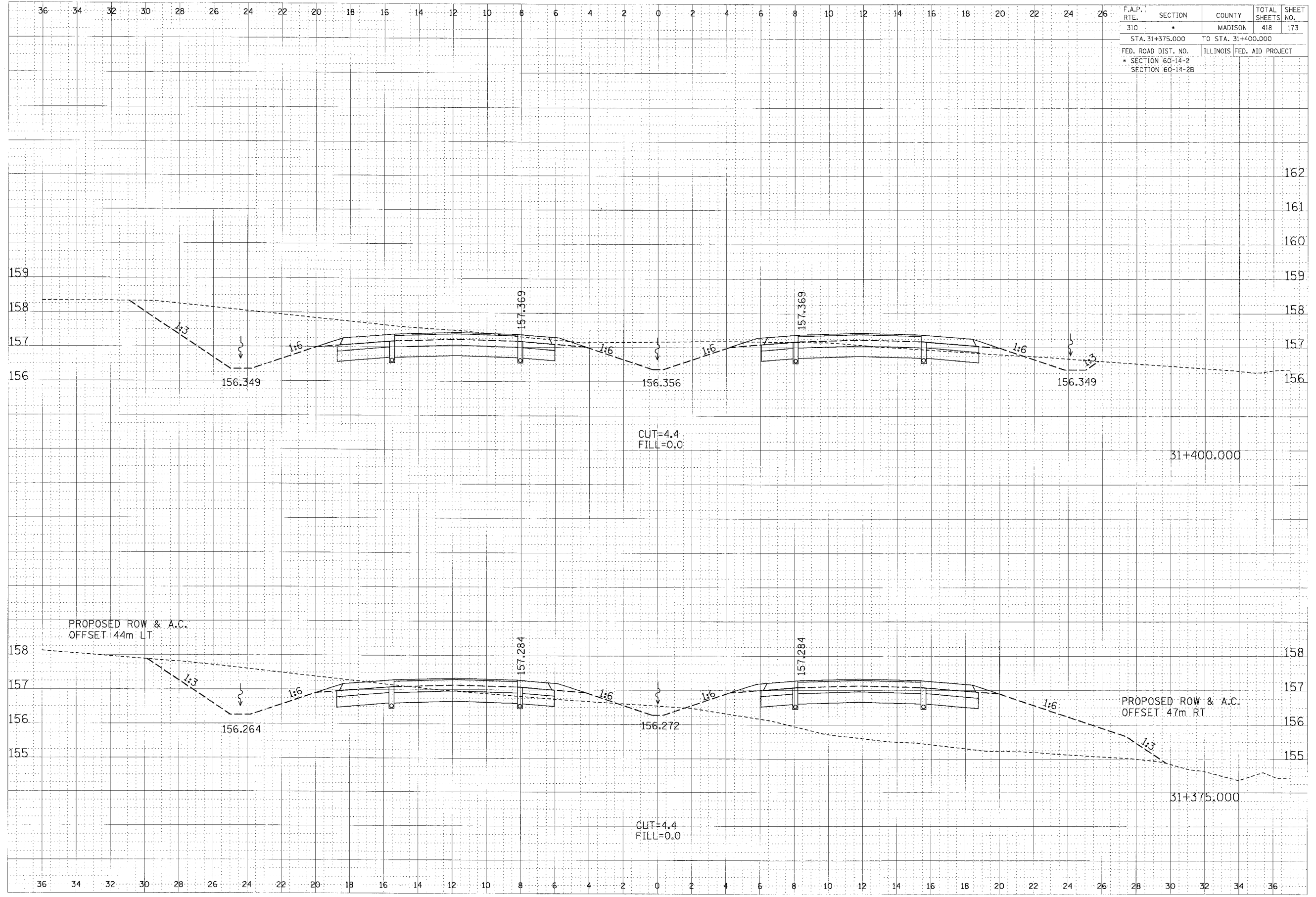
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		MADISON	418	172
STA. 31+325.000 TO STA. 31+350.000				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SECTION 60-14-2				
SECTION 60-14-2B				

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CROSS SECTION, FAP ROUTE 310, STA 31+325.000 TO STA 31+350.000

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	173
STA. 31+375.000		TO STA. 31+400.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* SECTION 60-14-2		SECTION 60-14-2B		

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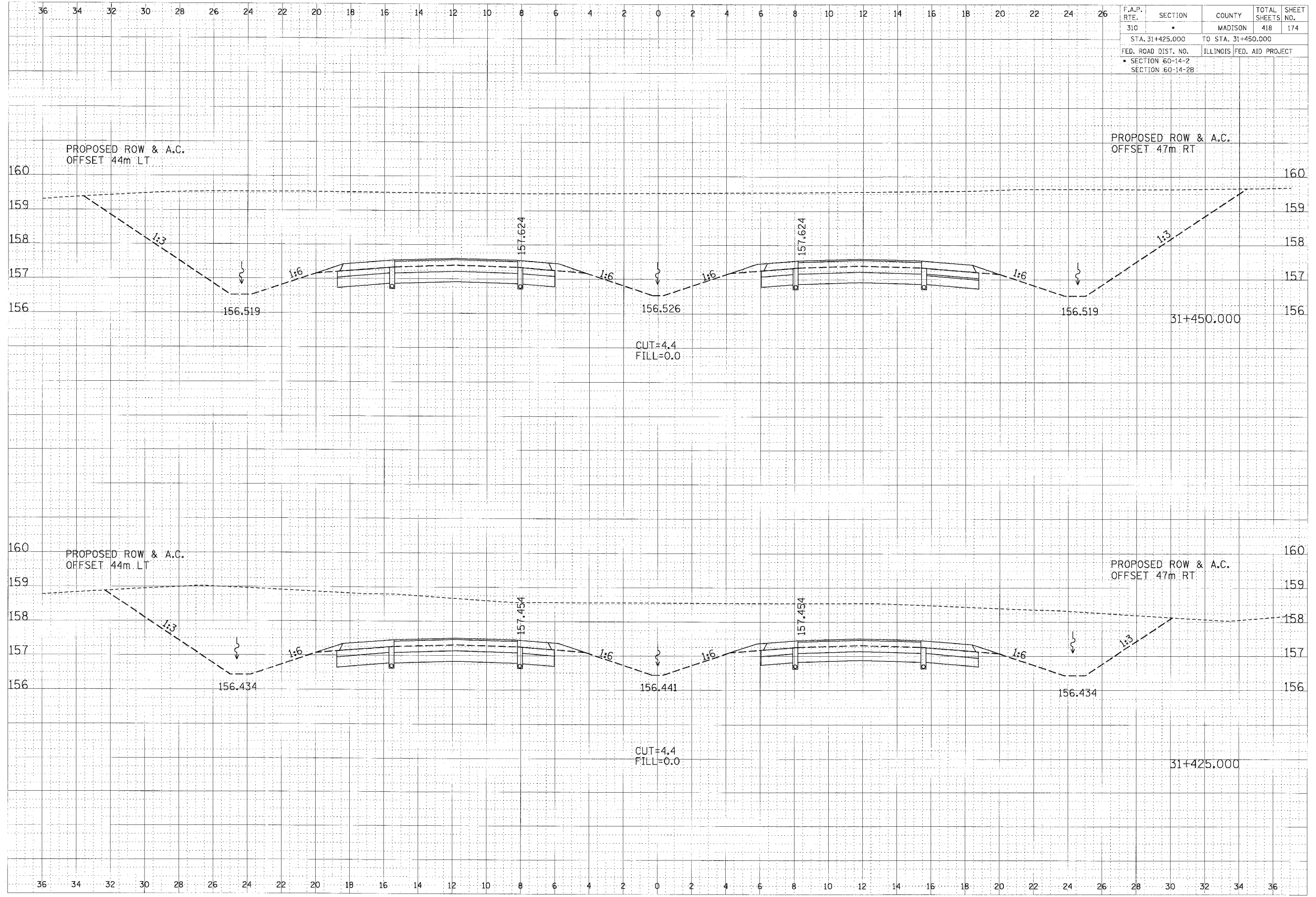
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CROSS SECTION, FAP ROUTE 310, STA 31+375.000 TO STA 31+400.000

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		MADISON	418	174
STA. 31+425.000		TO STA. 31+450.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
SECTION 60-14-2		SECTION 60-14-2B		

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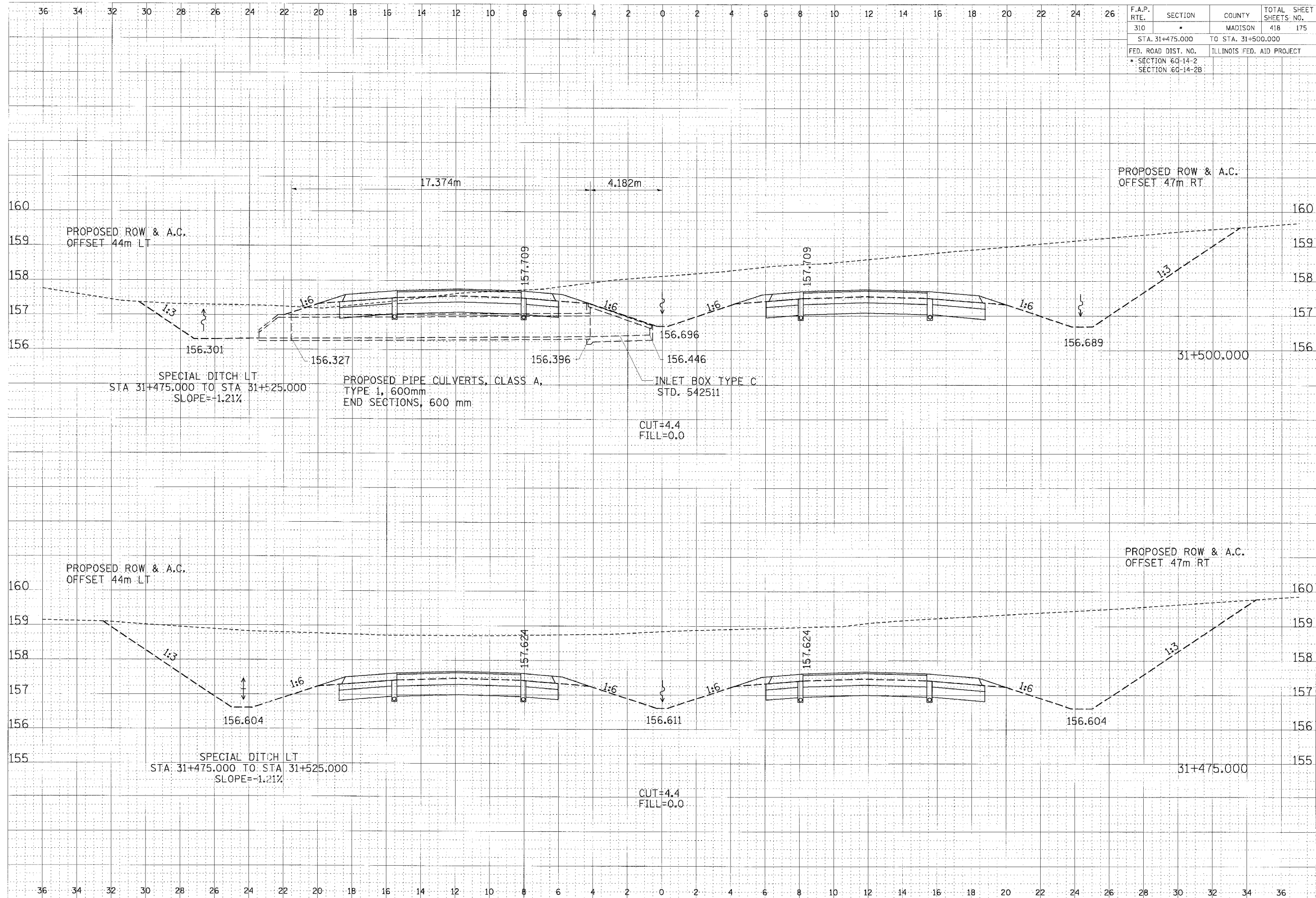
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	175
STA. 31+475.000 TO STA. 31+500.000				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* SECTION 60-14-2				
SECTION 60-14-2B				

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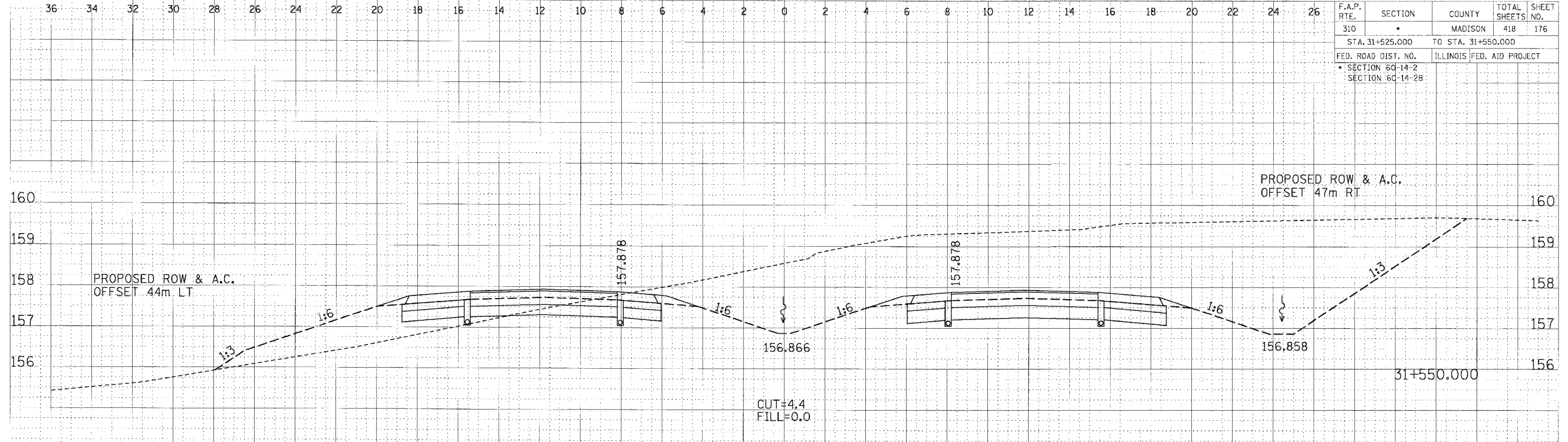
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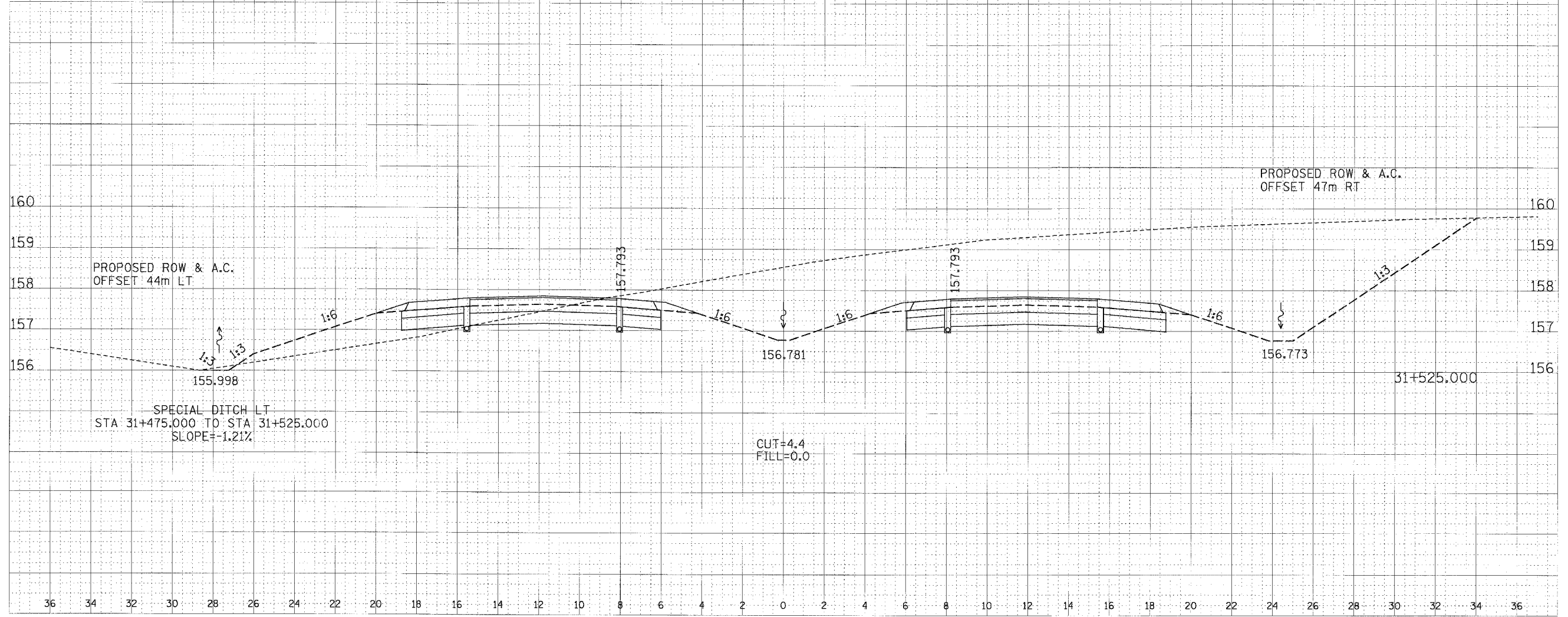
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	176
STA. 31+525.000 TO STA. 31+550.000				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* SECTION 60-14-2		SECTION 60-14-2B		

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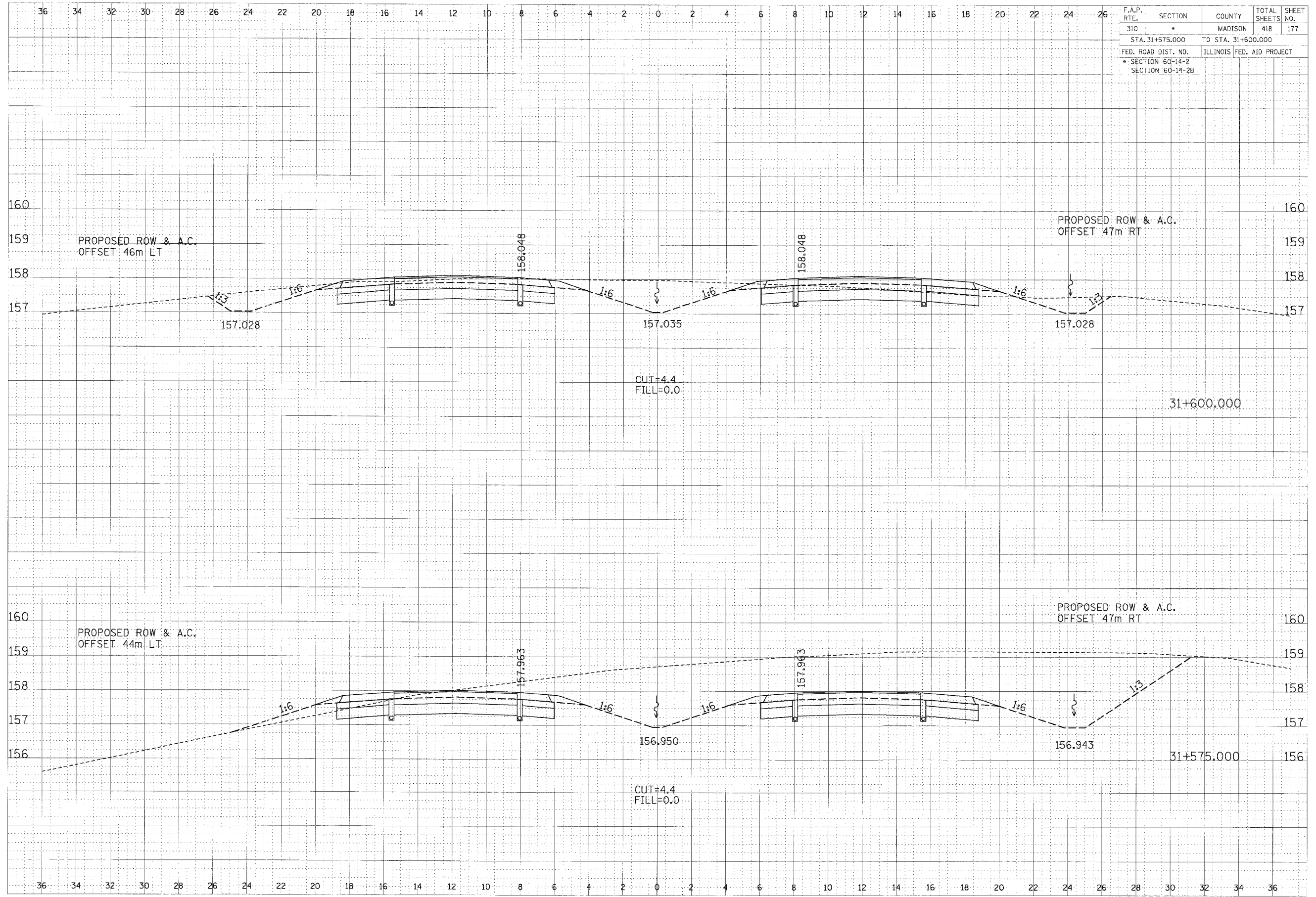


CROSS SECTION, FAP ROUTE 310, STA 31+525.000 TO STA 31+550.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	177
STA. 31+575.000		TO STA. 31+600.000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* SECTION 60-14-2 SECTION 60-14-2B				

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CROSS SECTION, FAP ROUTE 310, STA 31+575.000 TO STA 31+600.000

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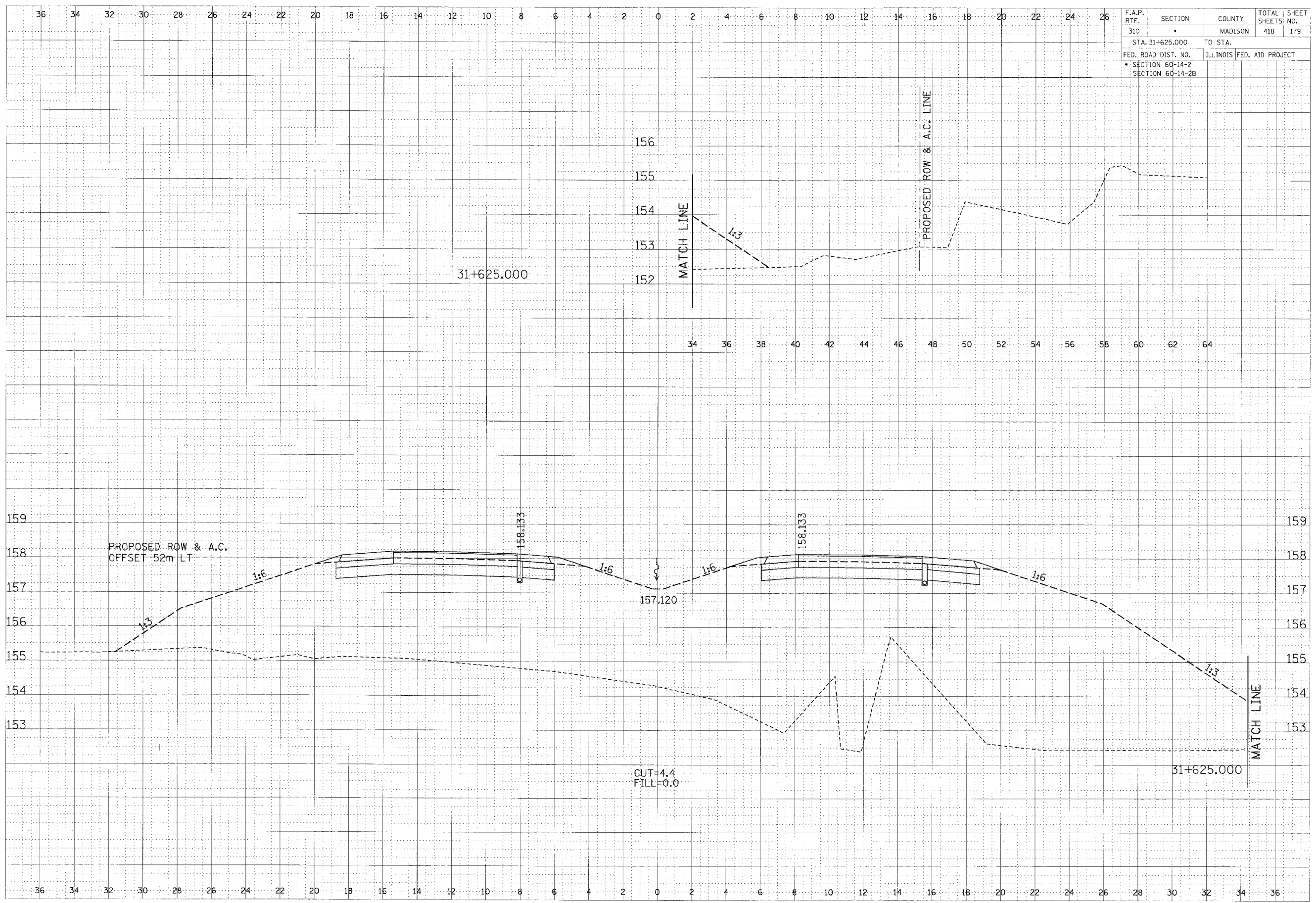




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
310		MADISON	418
STA. 31+625.000		TO STA.	179
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
SECTION 60-14-2			
SECTION 60-14-2B			

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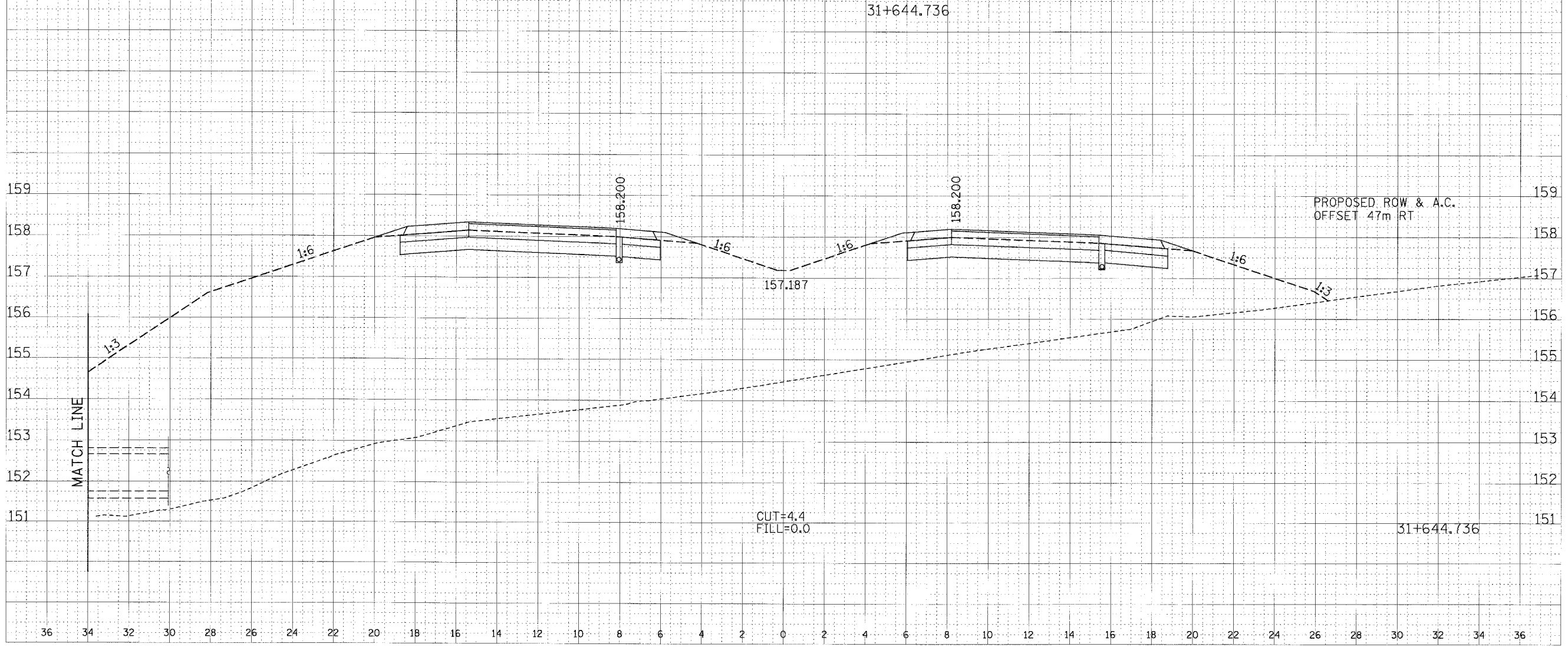
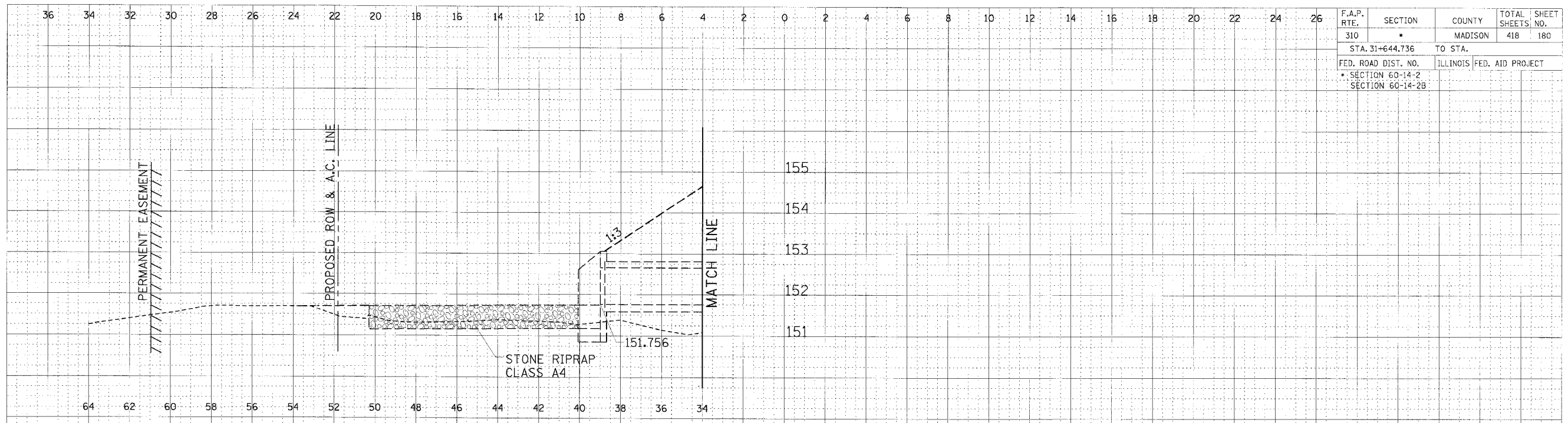


CROSS SECTION, FAP ROUTE 310, STA 31+625.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	•	MADISON	418	180
STA. 31+644.736		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• SECTION 60-14-2		SECTION 60-14-2B		

FINAL SURVEY	DATE
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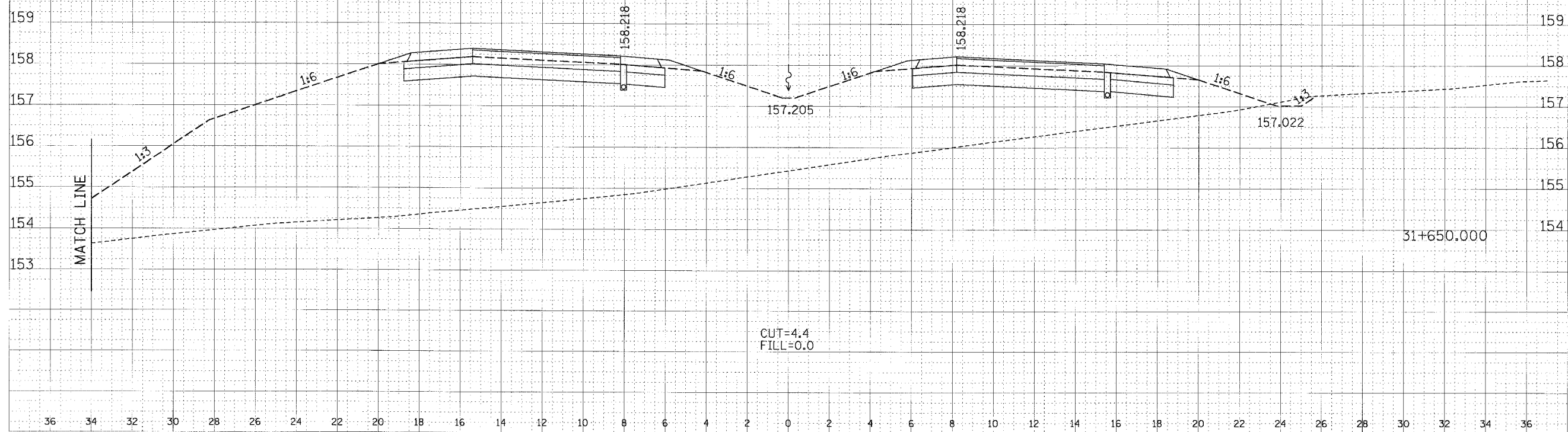
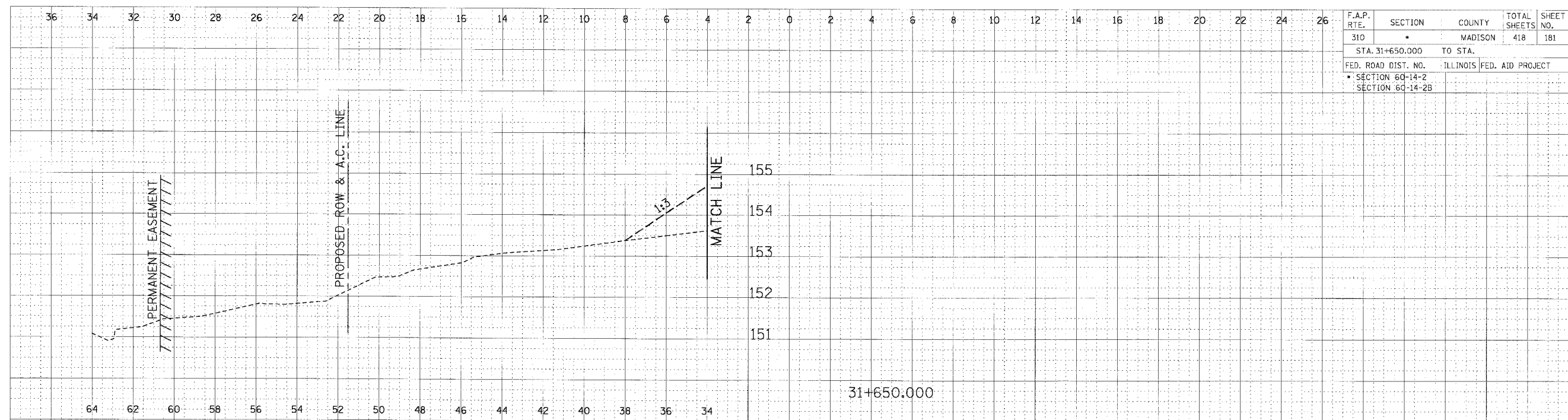


CROSS SECTION, FAP ROUTE 310, 31+644.736

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	•	MADISON	418	181
STA. 31+650.000		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• SECTION 60-14-2		SECTION 60-14-2B		

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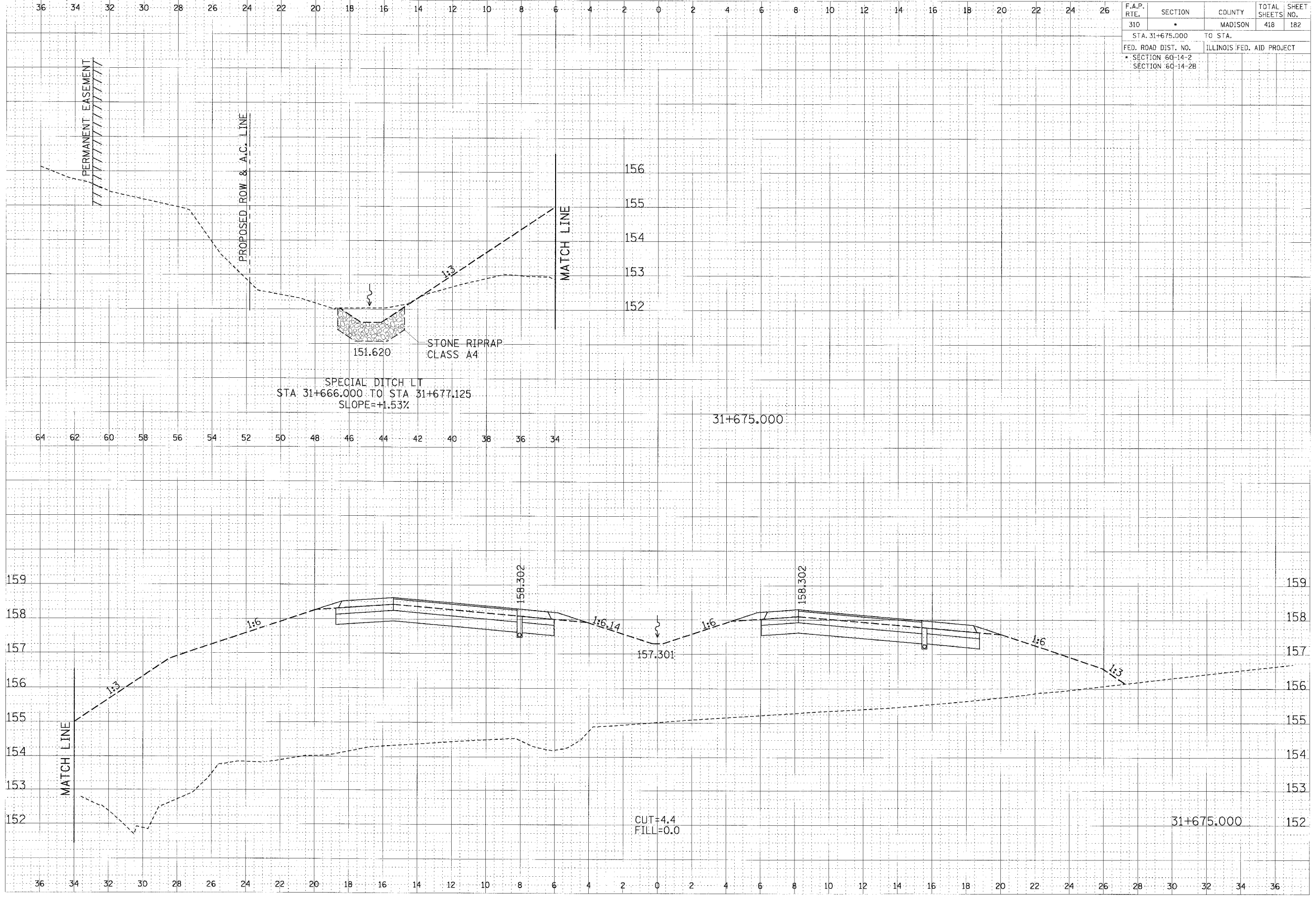


CROSS SECTION, FAP ROUTE 310, STA 31+650.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	182
STA. 31+675.000		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* SECTION 60-14-2		SECTION 60-14-2B		

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REVISION	DATE
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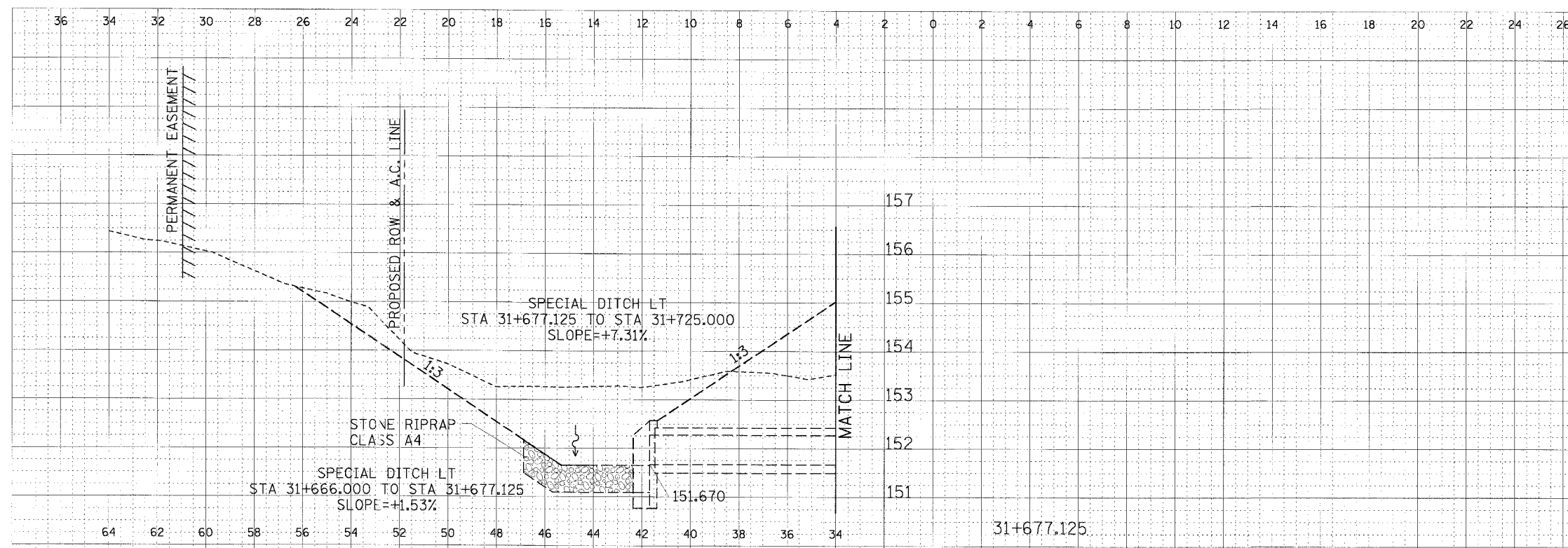
CROSS SECTION, FAP ROUTE 310, STA 31+675.000

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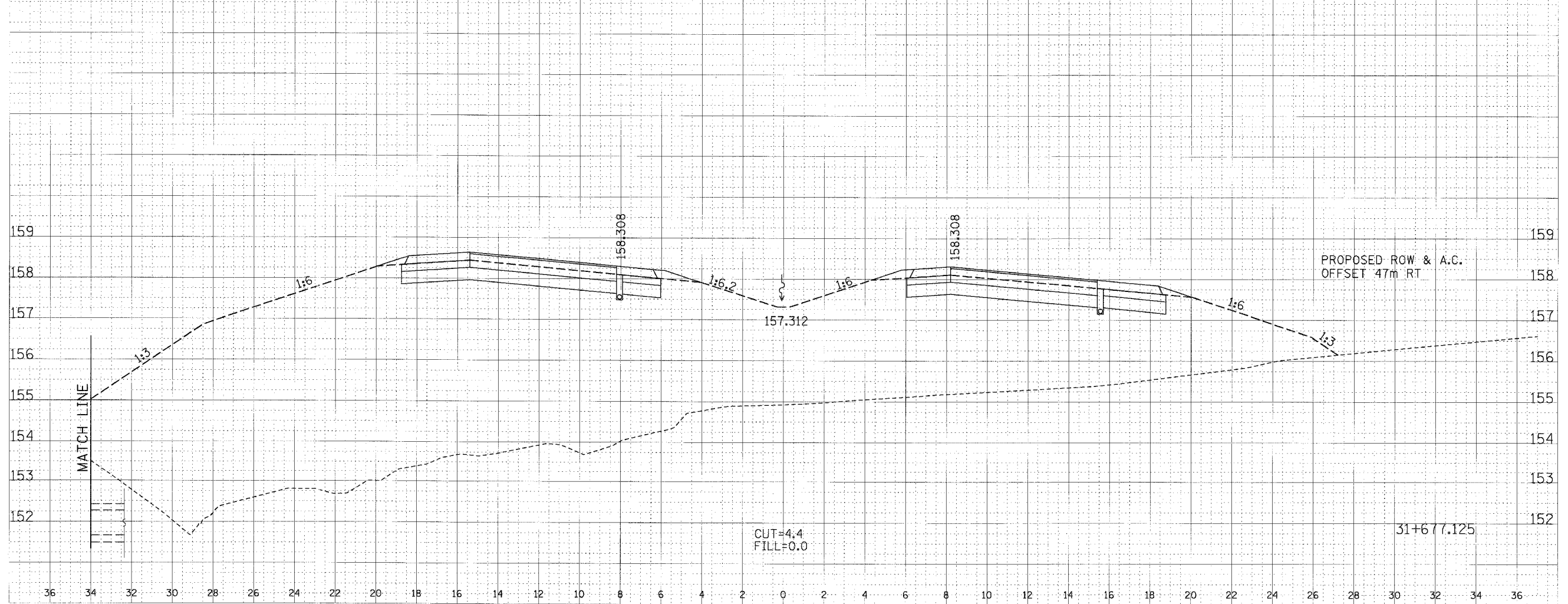


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	183
STA. 31+677.125		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* SECTION 60-14-2		SECTION 60-14-2B		

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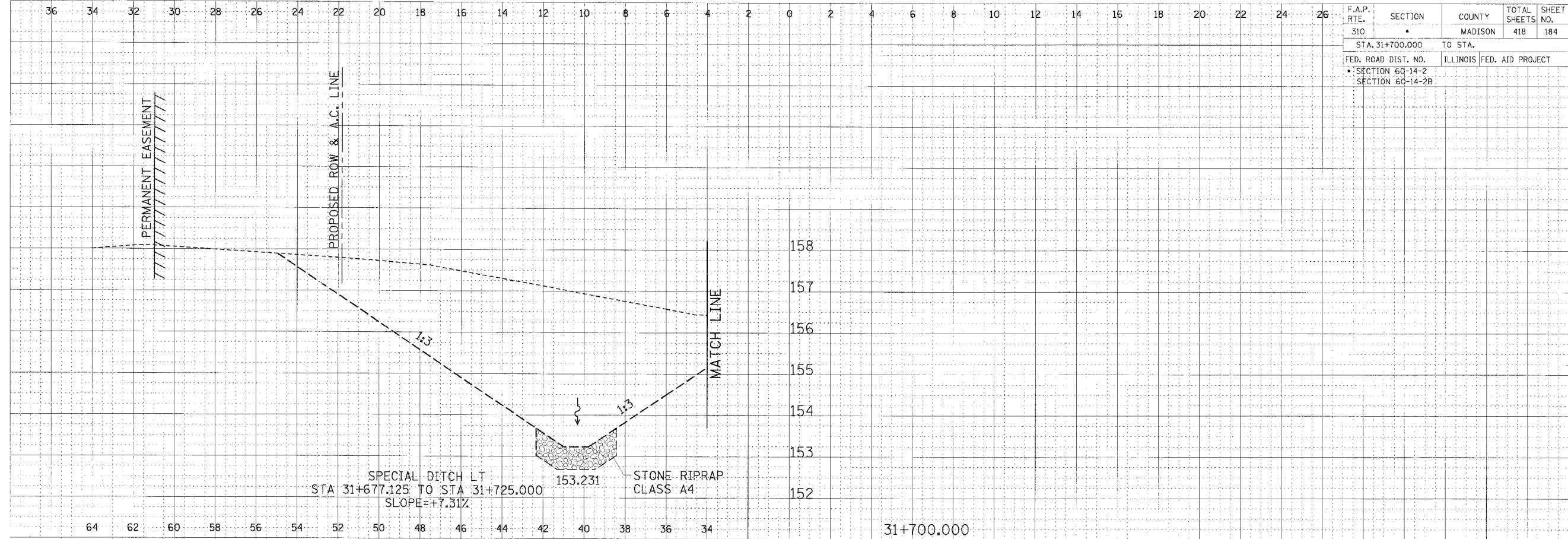


CROSS SECTION, FAP ROUTE 310, STA 31+677.125

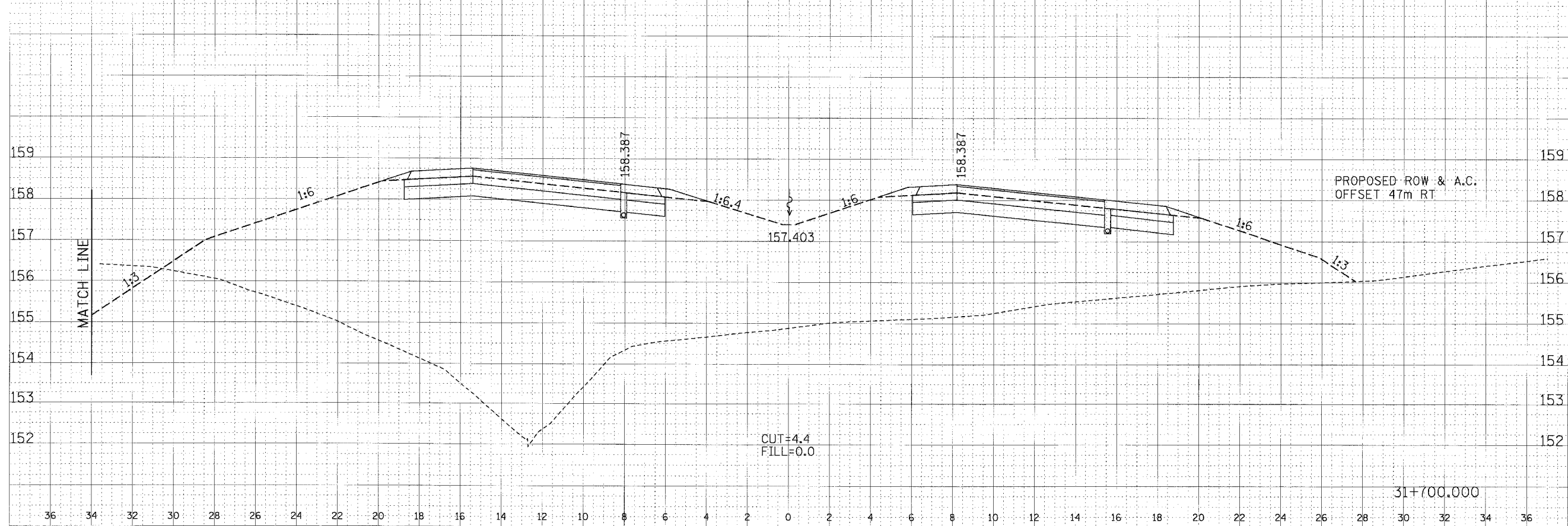
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	184
STA. 31+700.000		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• SECTION 60-14-2		• SECTION 60-14-2B		

FINAL SURVEY	DATE
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ORIGINAL SURVEY	DATE
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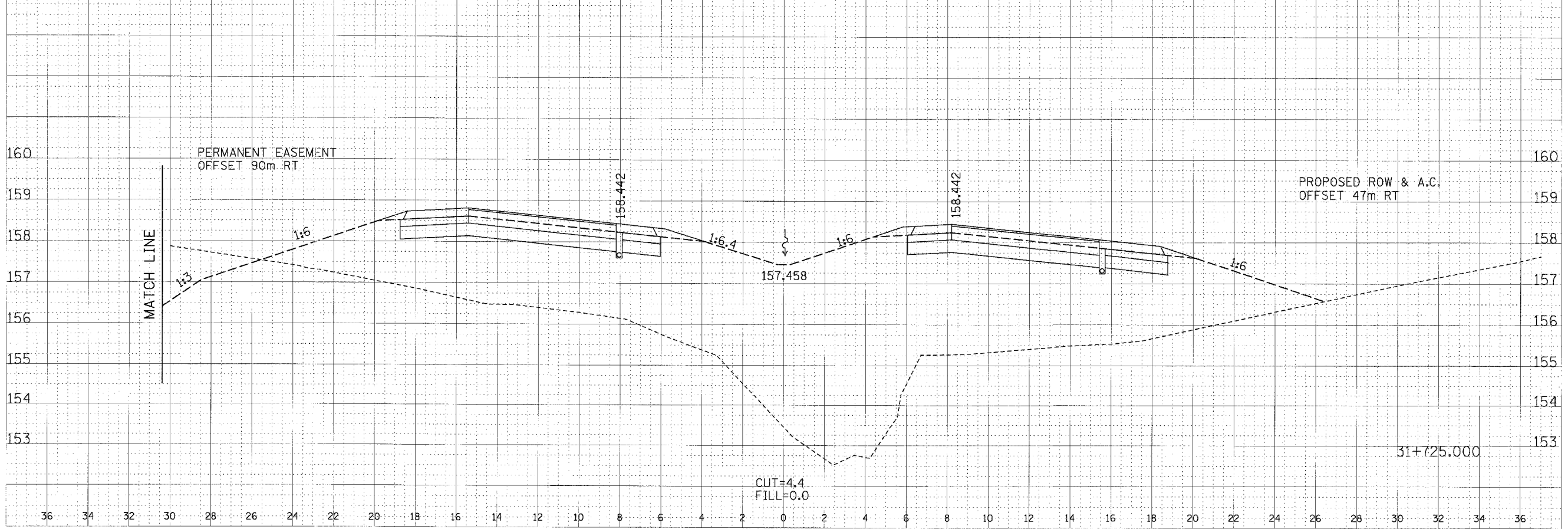
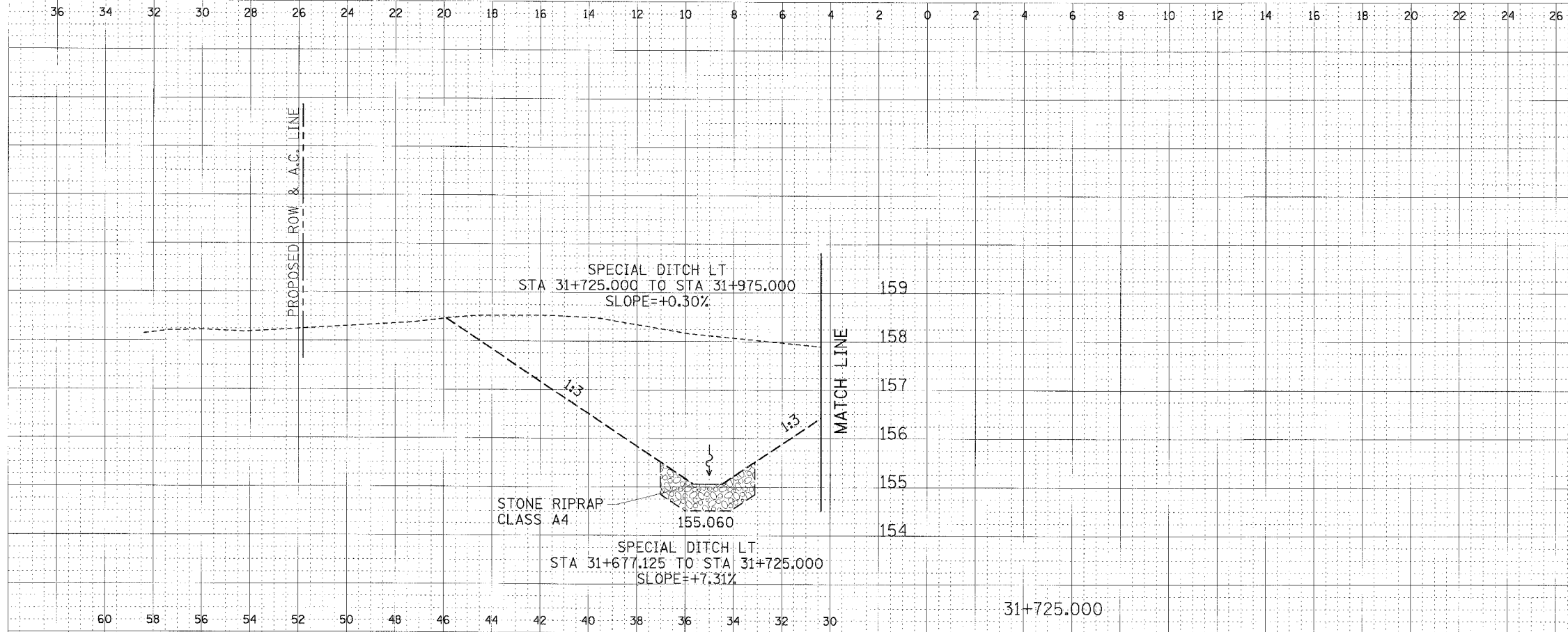


CROSS SECTION, FAP ROUTE 310, STA 31+700.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	185
STA. 31+725.000		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* SECTION 60-14-2				
SECTION 60-14-2B				

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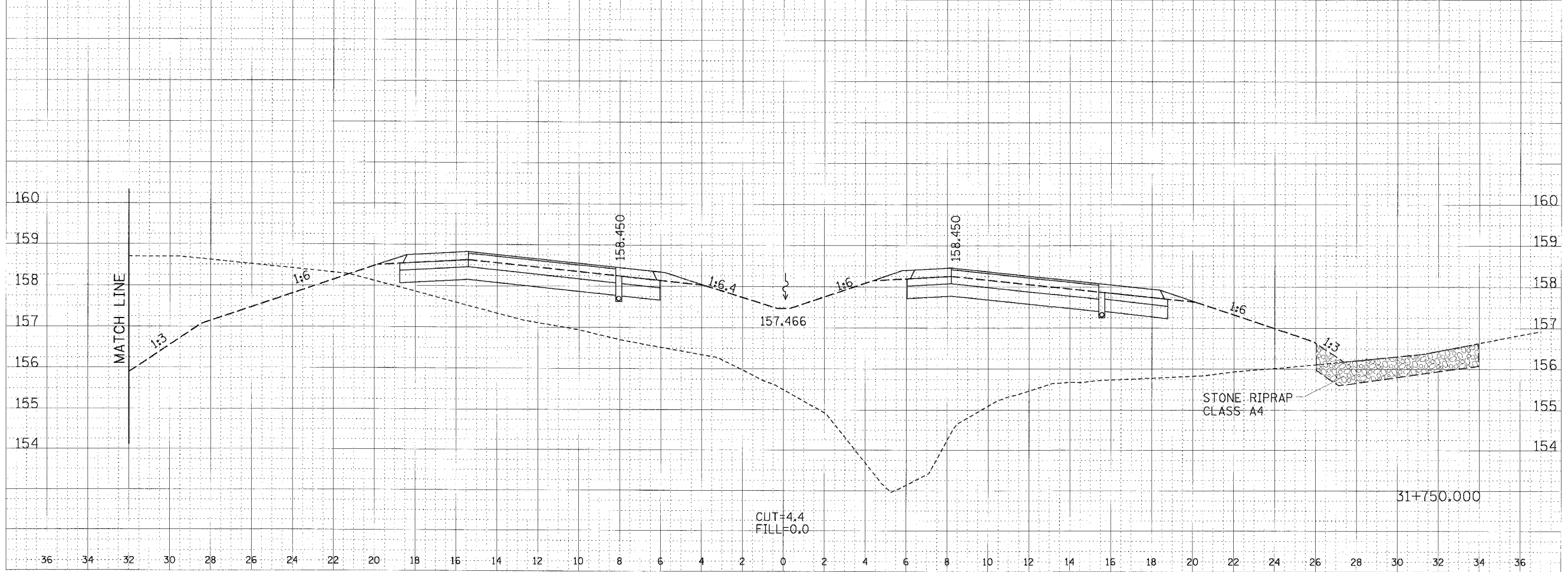
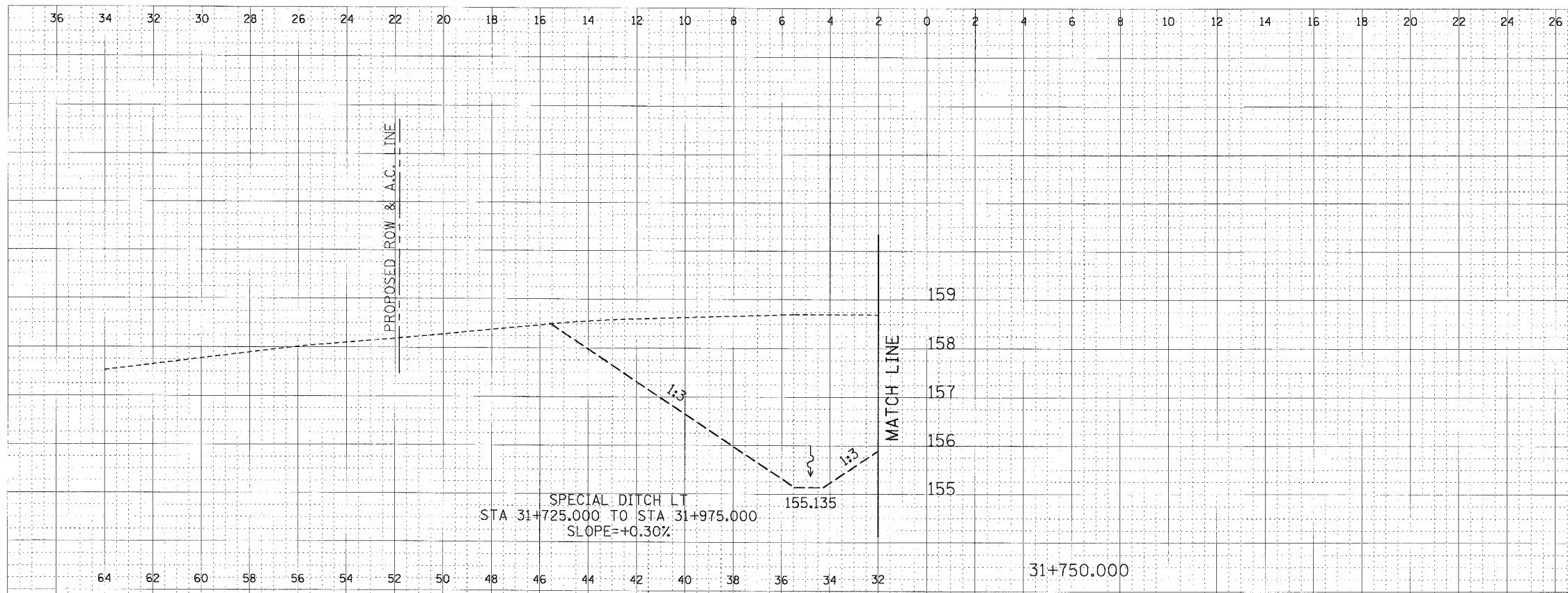


CROSS SECTION, FAP ROUTE 310, STA 31+725.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		MADISON	418	186
STA. 31+750.000		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
SECTION 60-14-2		SECTION 60-14-2B		

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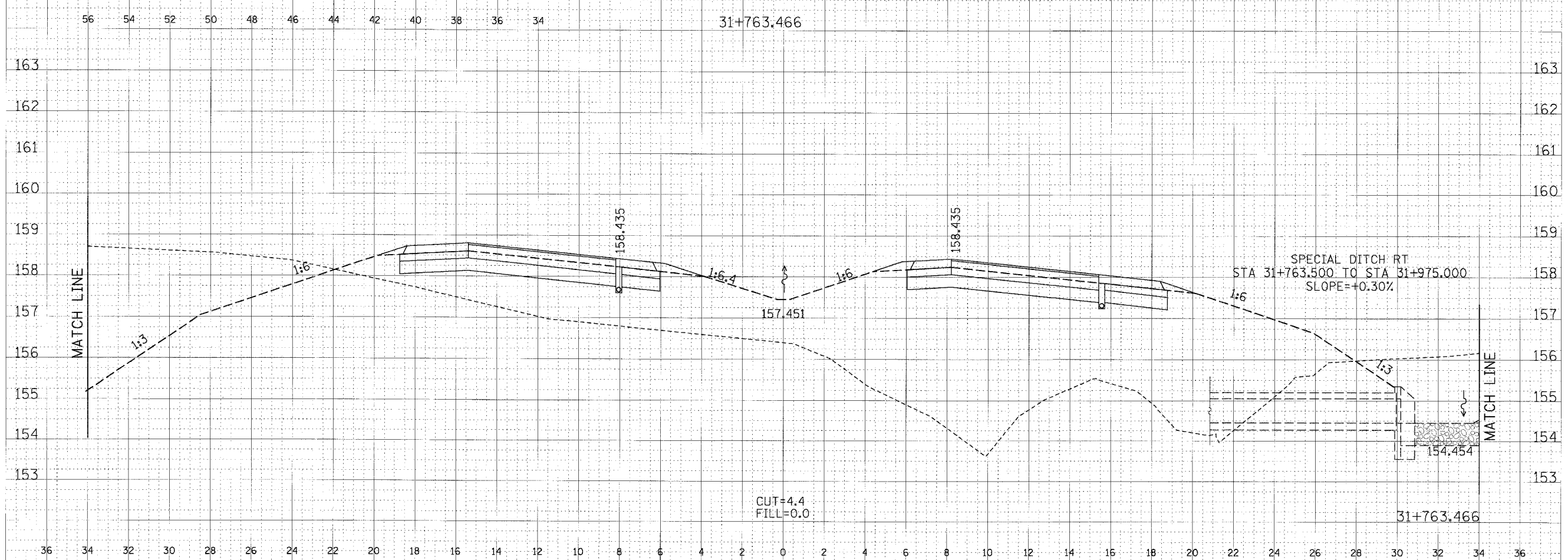
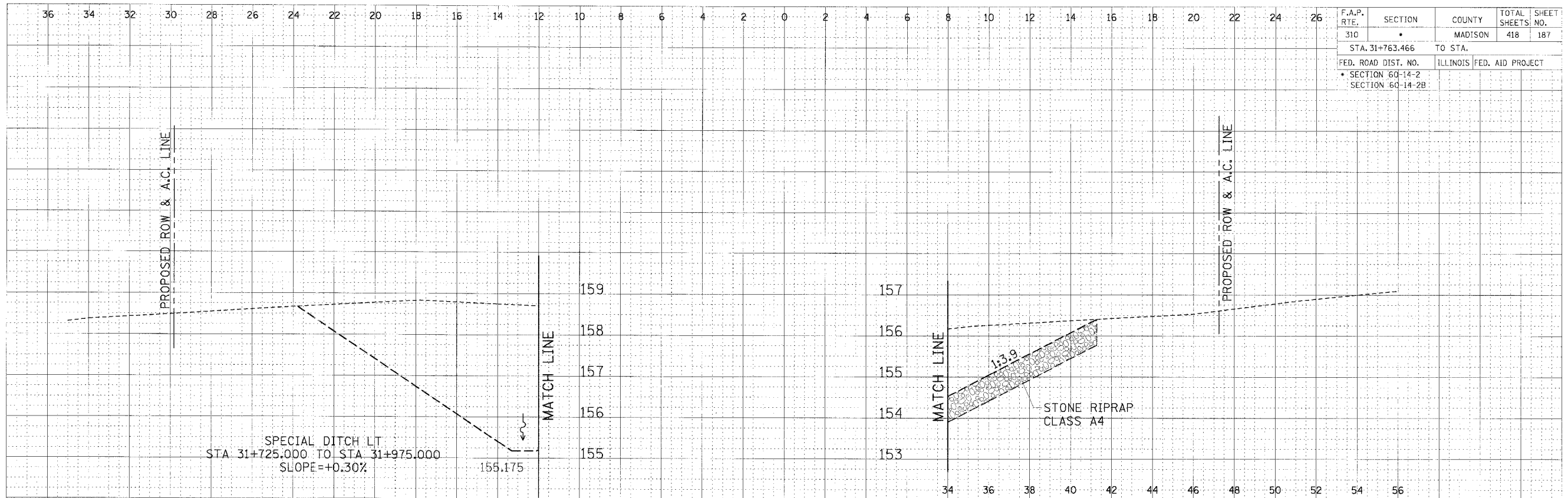
CROSS SECTION, FAP ROUTE 310, STA 31+750.000



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	•	MADISON	418	187
STA. 31+763.466		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• SECTION 60-14-2				
SECTION 60-14-2B				

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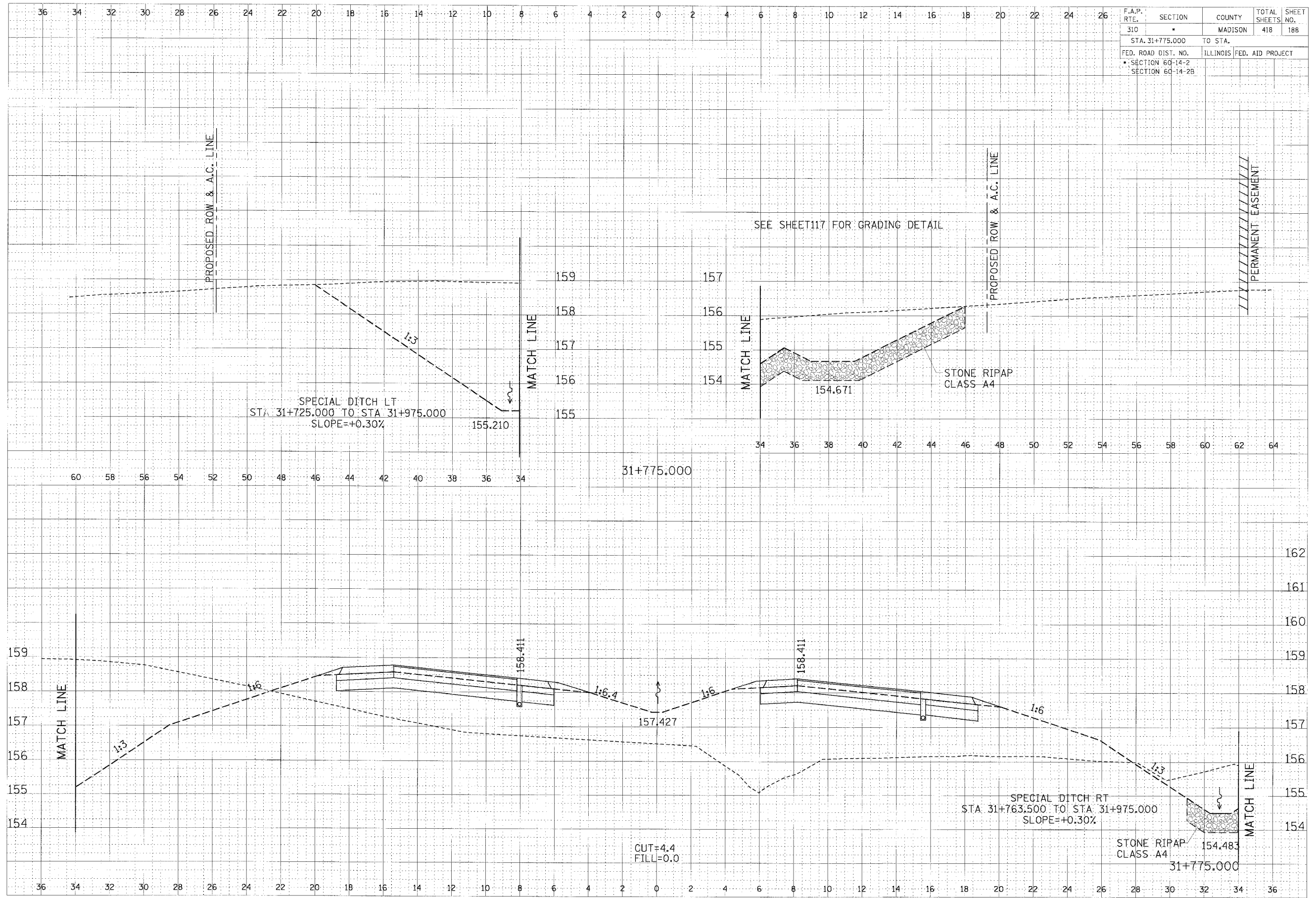


CROSS SECTION, FAP ROUTE 310, STA 31+763.466

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	188
STA. 31+775.000		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* SECTION 60-14-2		SECTION 60-14-2B		

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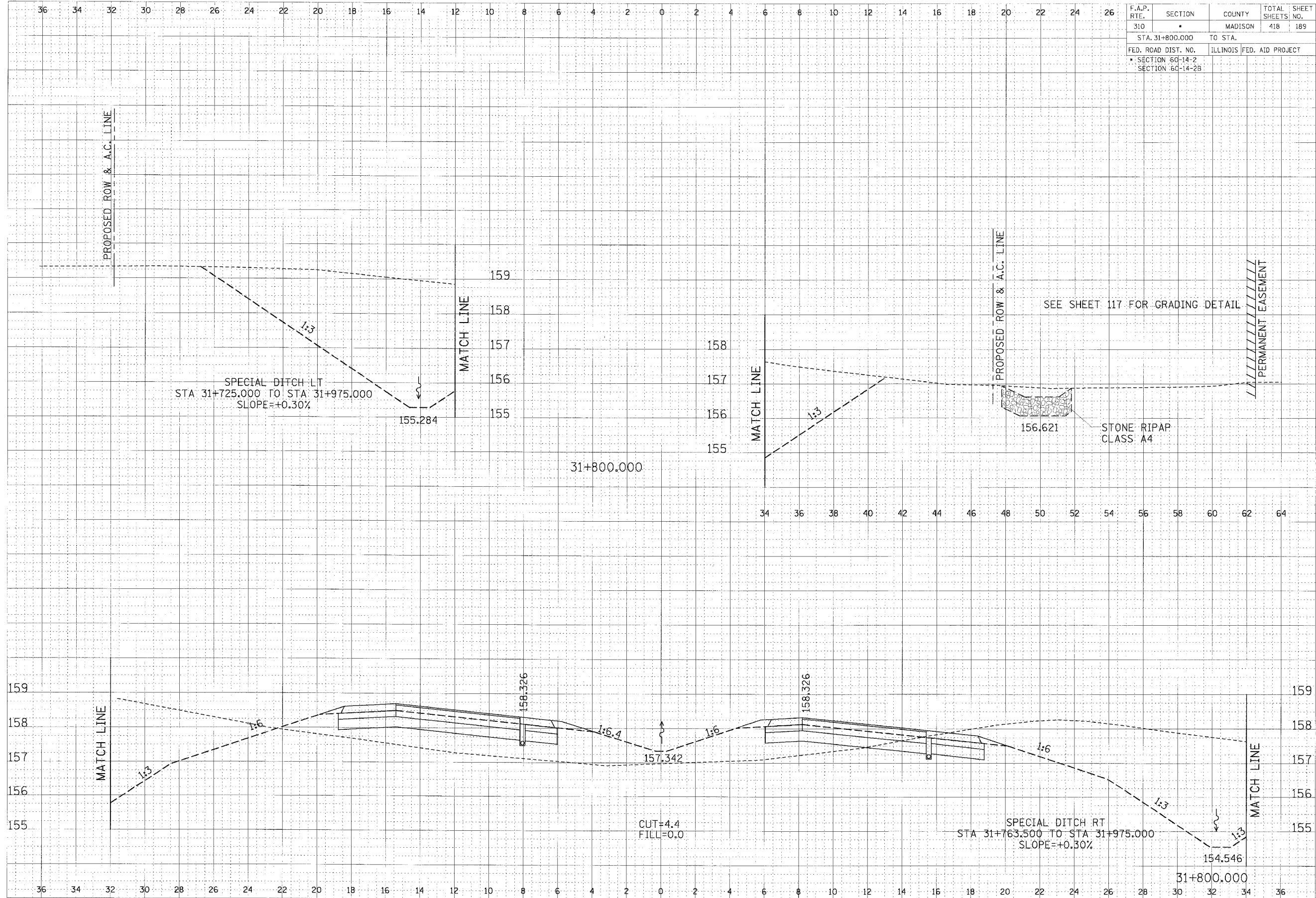


CROSS SECTION, FAP ROUTE 310, STA 31+775.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	•	MADISON	418	189
STA. 31+800.000		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• SECTION 60-14-2		SECTION 60-14-2B		

FINAL SURVEY	DATE
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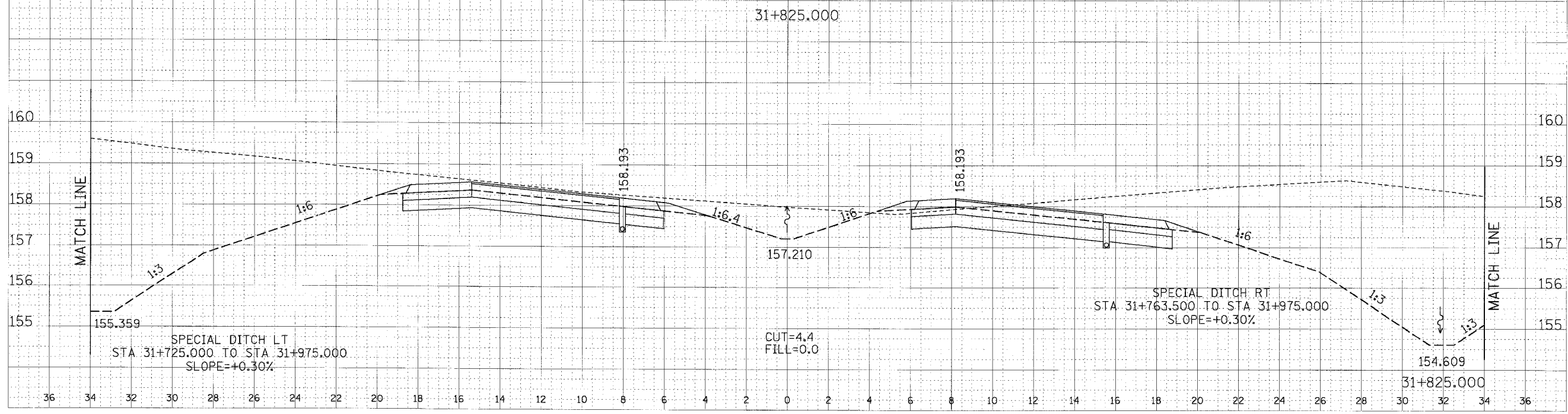
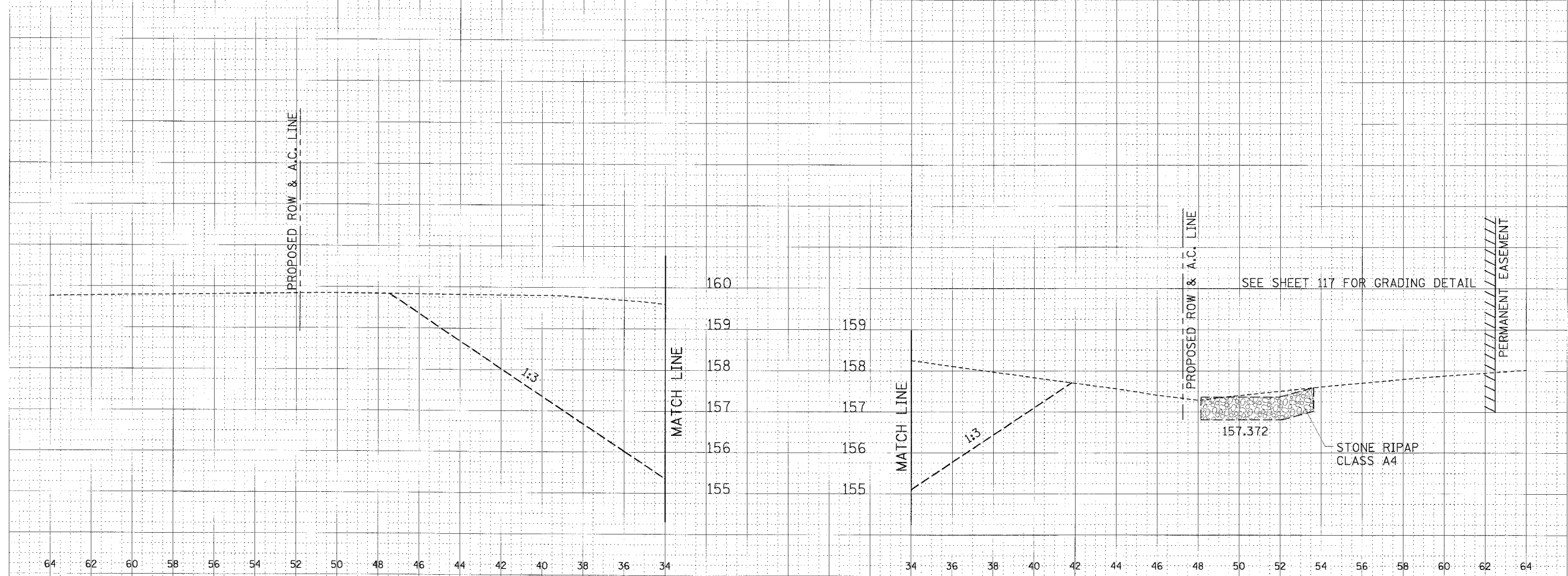


CROSS SECTION, FAP ROUTE 310, STA 31+800.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	190
STA. 31+825.000		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* SECTION 60-14-2		SECTION 60-14-2B		

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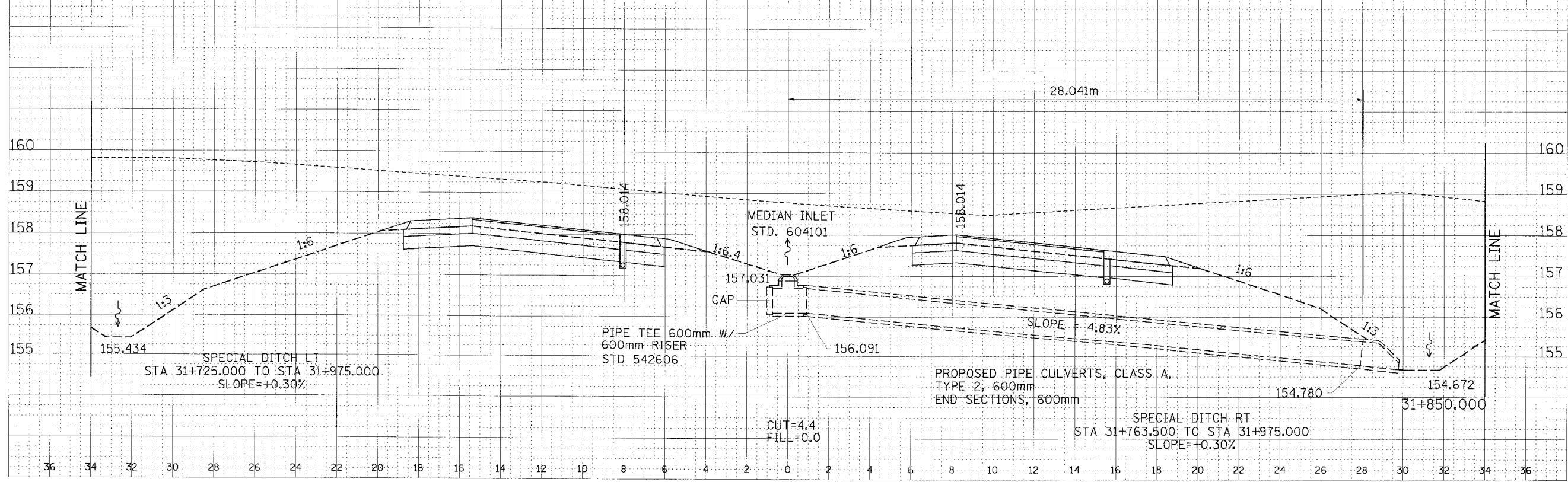
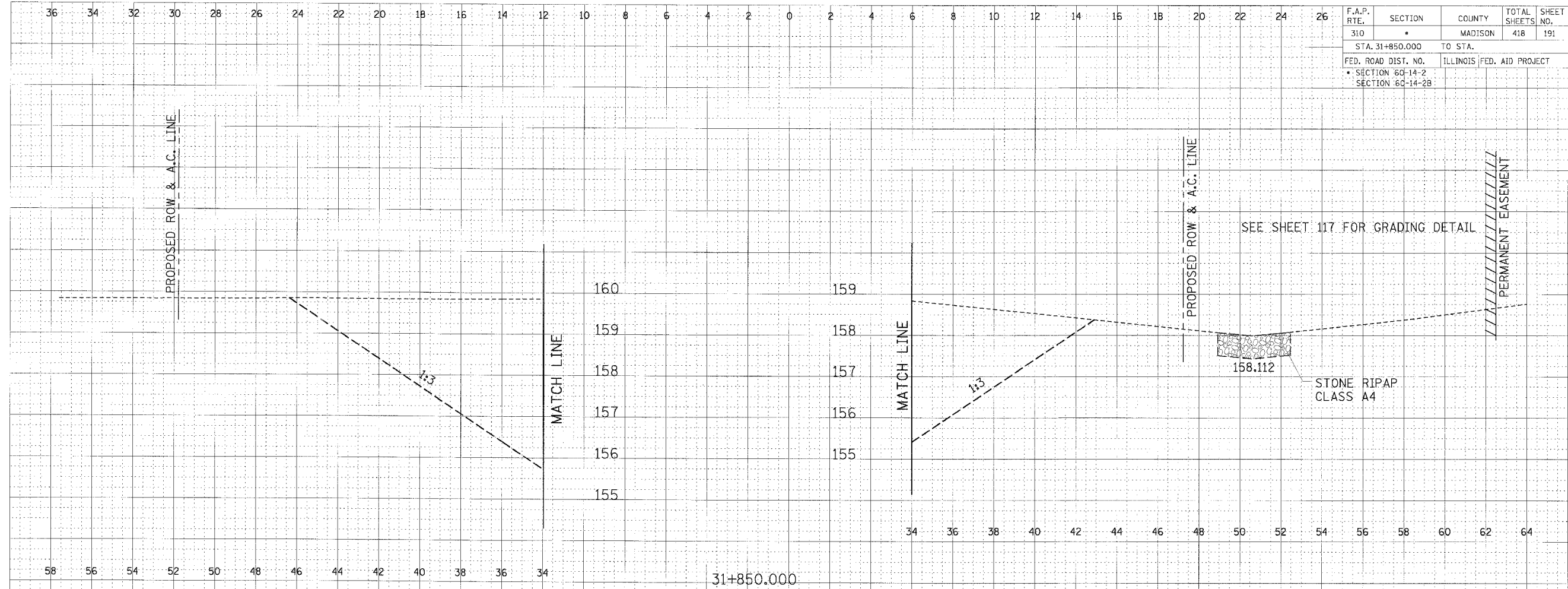
CROSS SECTION, FAP ROUTE 310, STA 31+825.000



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	191
STA. 31+850.000 TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* SECTION 60-14-2				
SECTION 60-14-2B				

FINAL SURVEY	DATE
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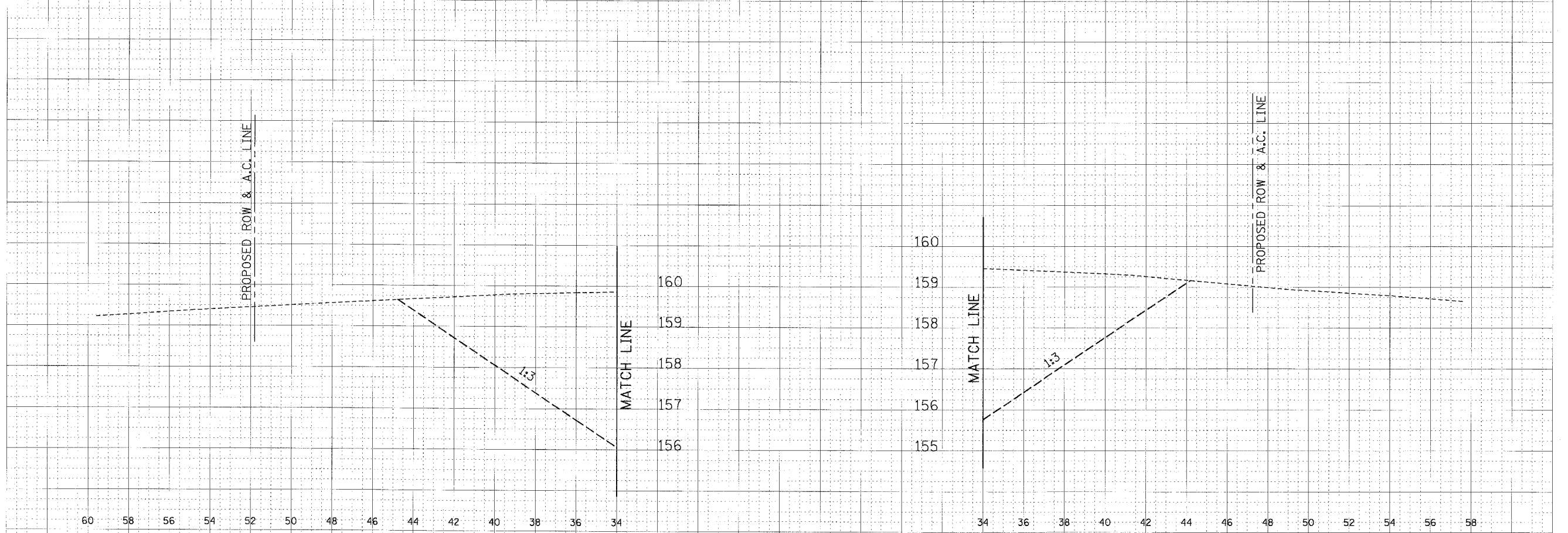


CROSS SECTION, FAP ROUTE 310, STA 31+850.000

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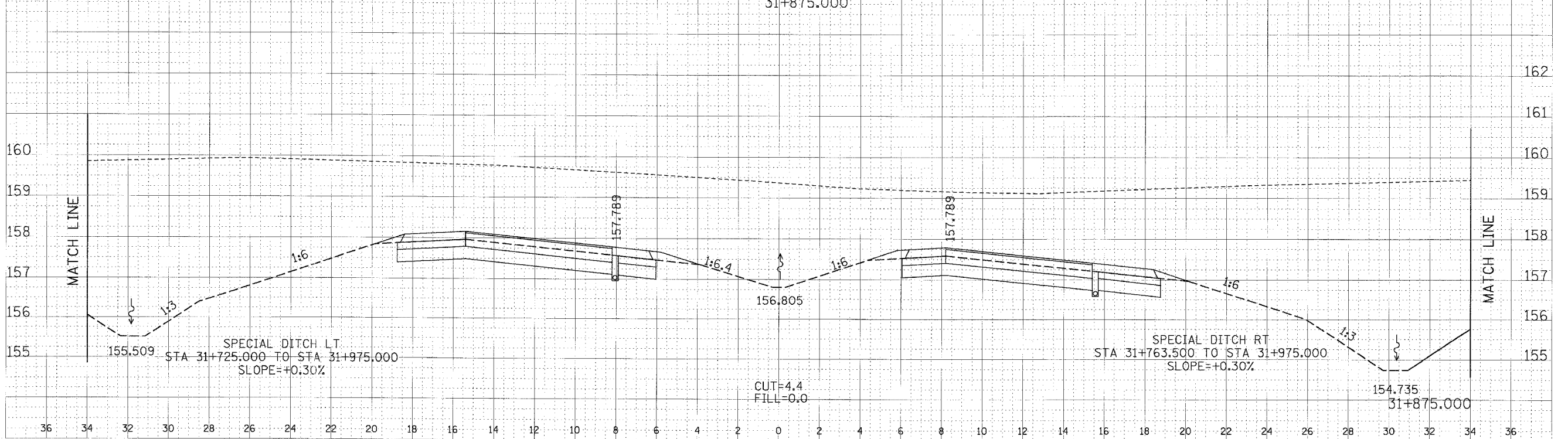
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	192
STA. 31+875.000		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* SECTION 60-14-2		SECTION 60-14-2B		

FINAL SURVEY	DATE
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31+875.000

ORIGINAL SURVEY	DATE
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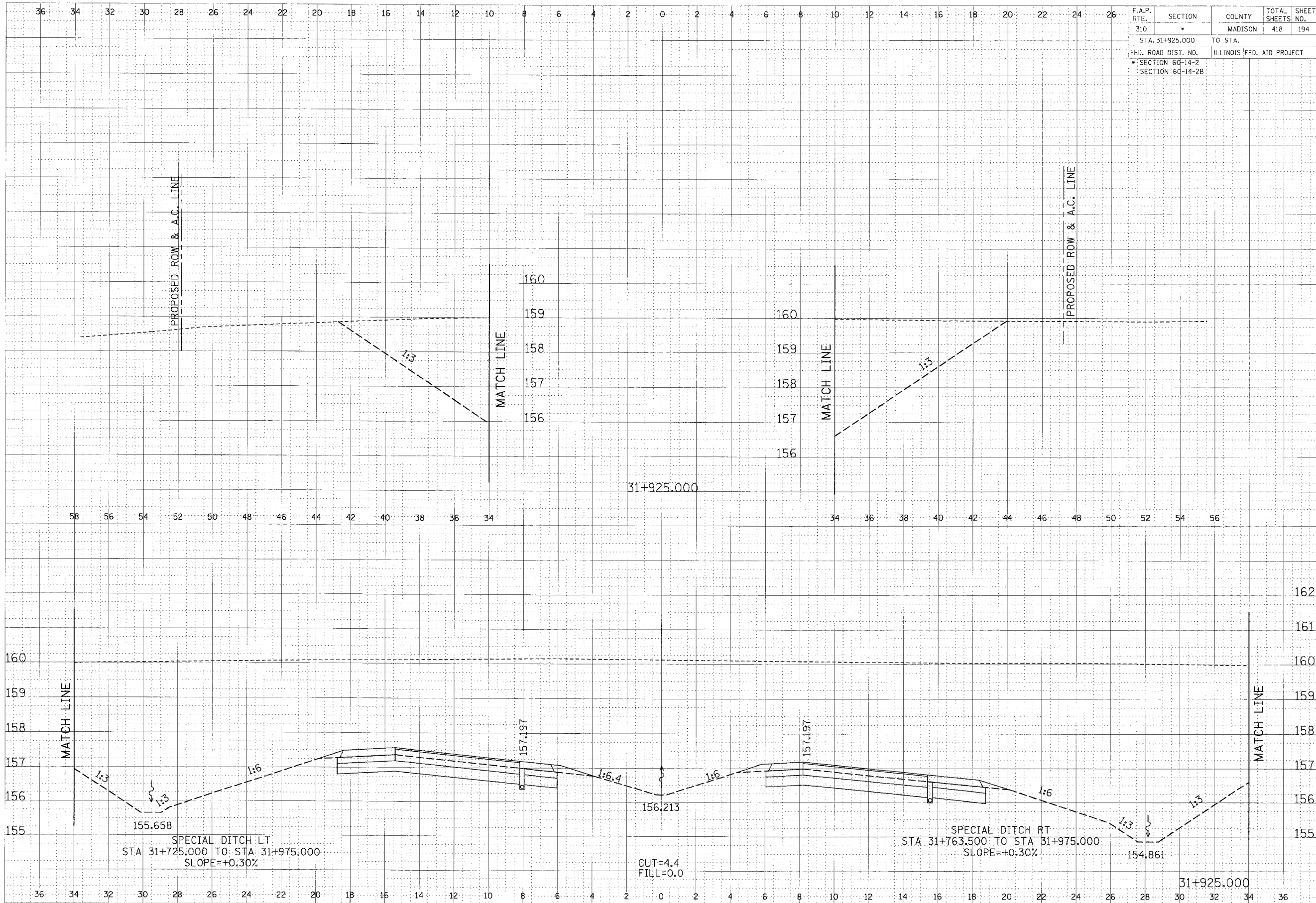
CROSS SECTION, FAP ROUTE 310, STA 31+875.000



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	194
STA. 31+925.000		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* SECTION 60-14-2				
* SECTION 60-14-2B				

FINAL SURVEY	REVISIONS	DATE
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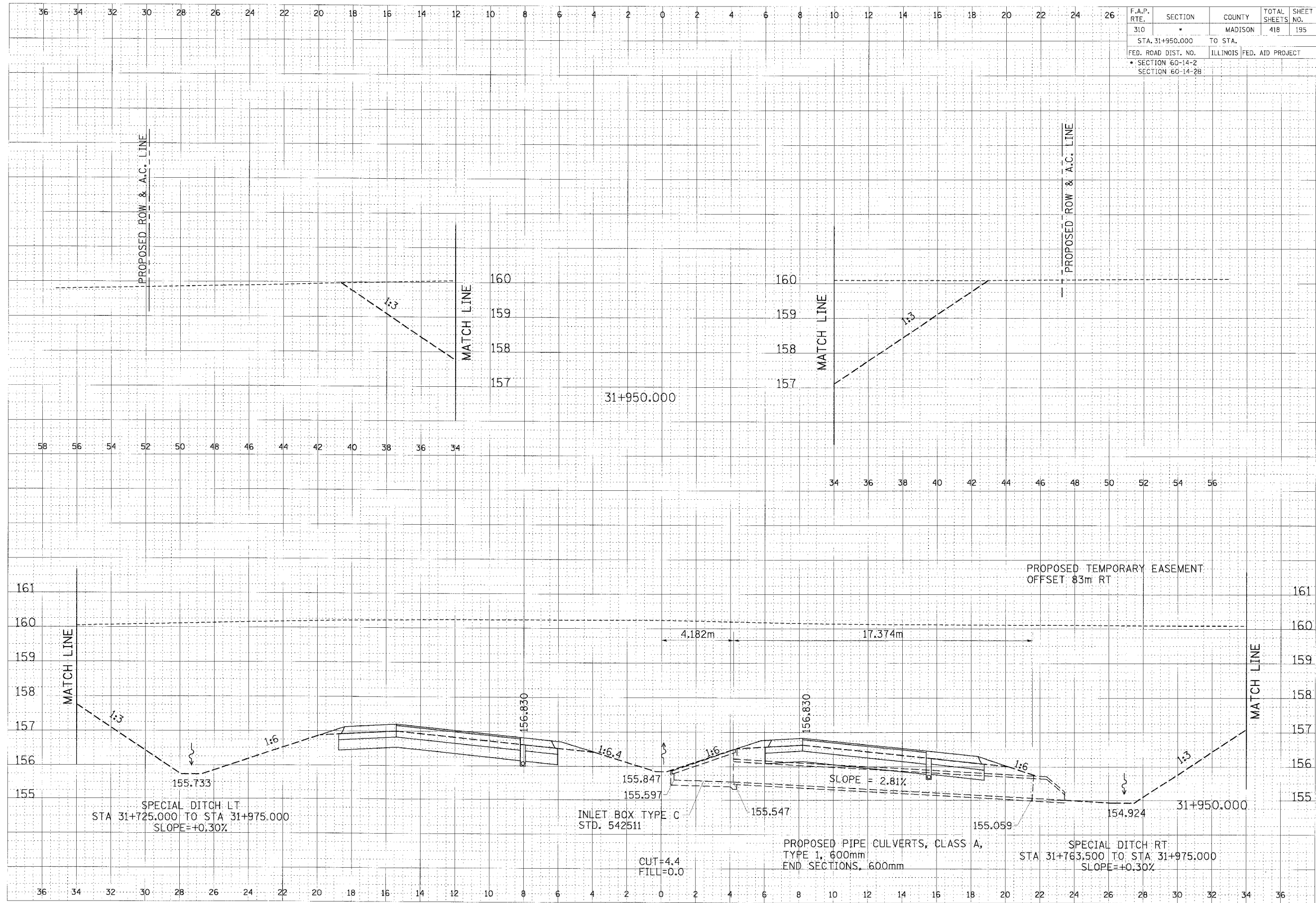
CROSS SECTION, FAP ROUTE 310, STA 31+925.000



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	195
STA. 31+950.000		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* SECTION 60-14-2		SECTION 60-14-2B		

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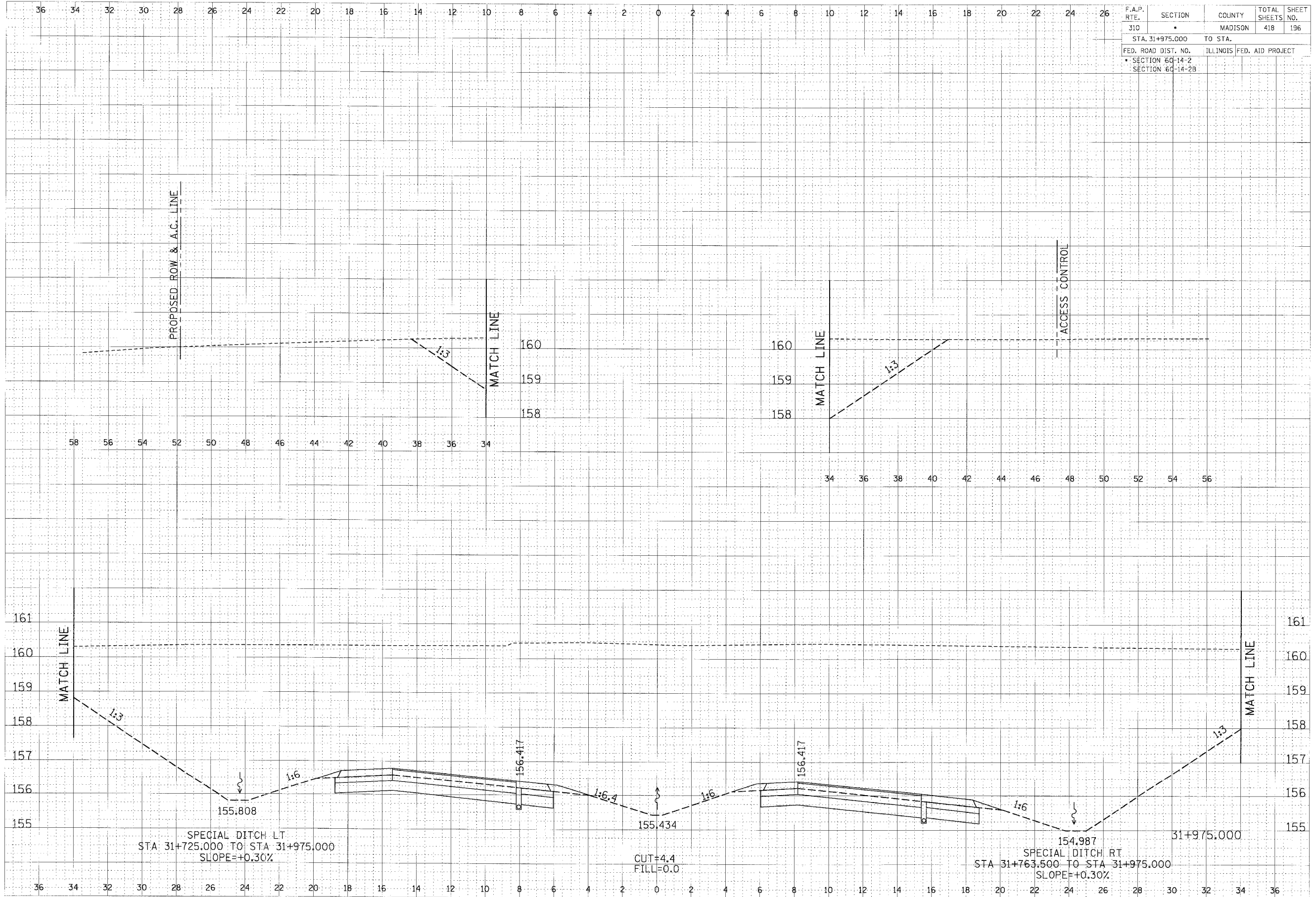


CROSS SECTION, FAP ROUTE 310, STA 31+950.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	•	MADISON	418	196
STA. 31+975.000		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• SECTION 60-14-2				
SECTION 60-14-2B				

FINL. SURVEY	DESIGNED BY	DATE
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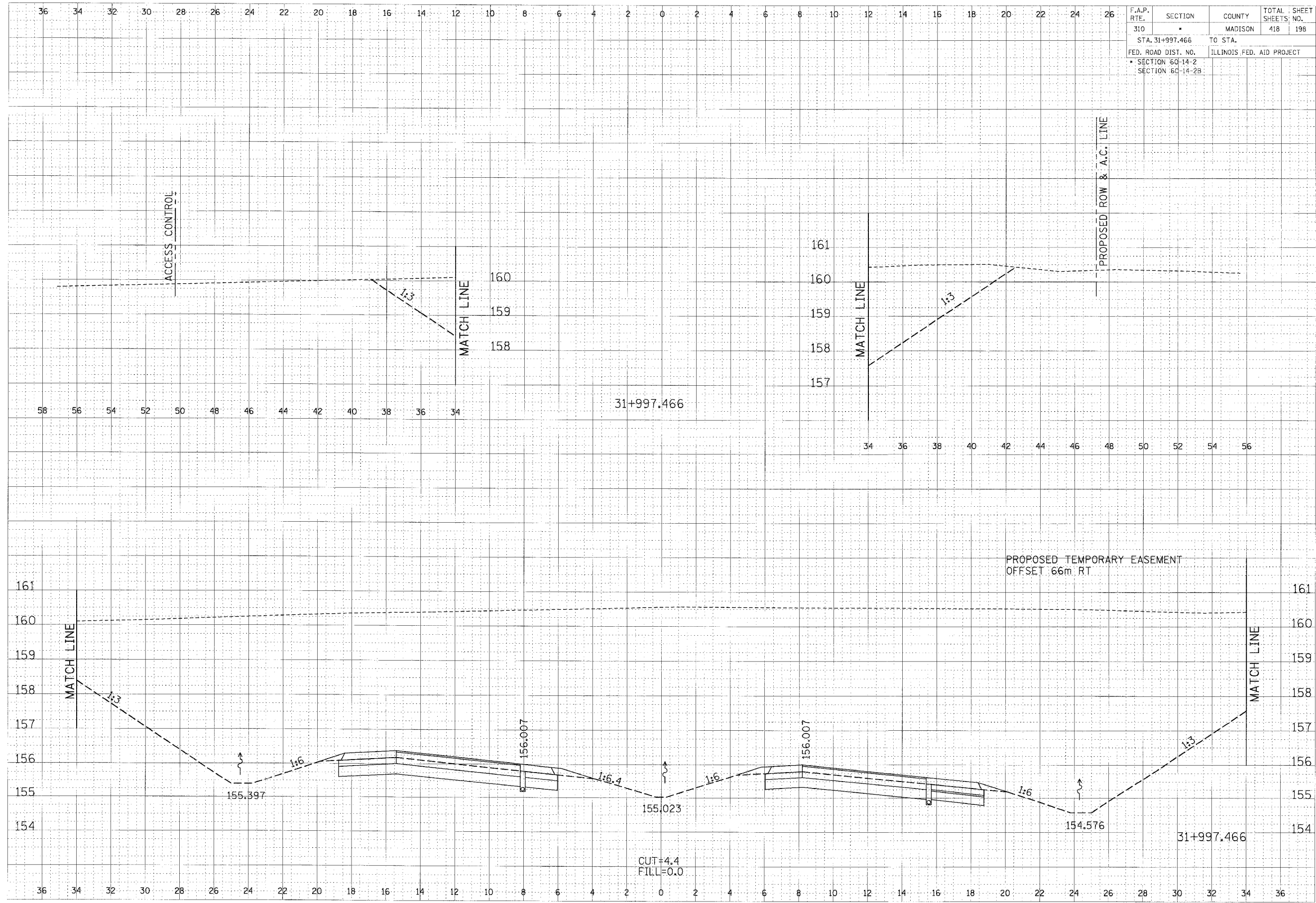
CROSS SECTION, FAP ROUTE 310, STA 31+975.000



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MADISON	418	198
STA. 31+997.466		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* SECTION 60-14-2		SECTION 60-14-2B		

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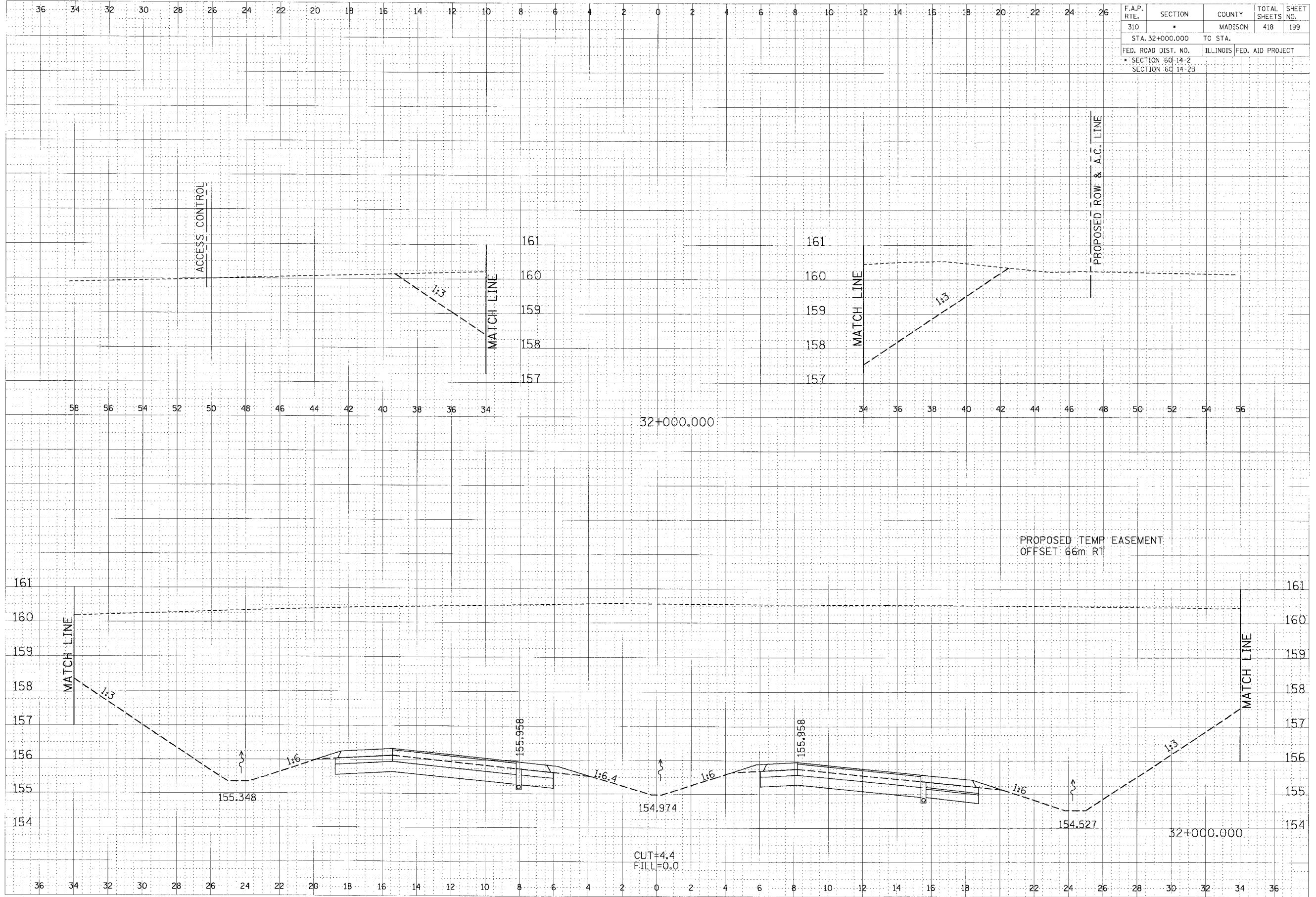
CROSS SECTION, FAP ROUTE 310, STA 31+997.466



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	•	MADISON	418	199
STA. 32+000.000		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	
• SECTION 60-14-2				
SECTION 60-14-2B				

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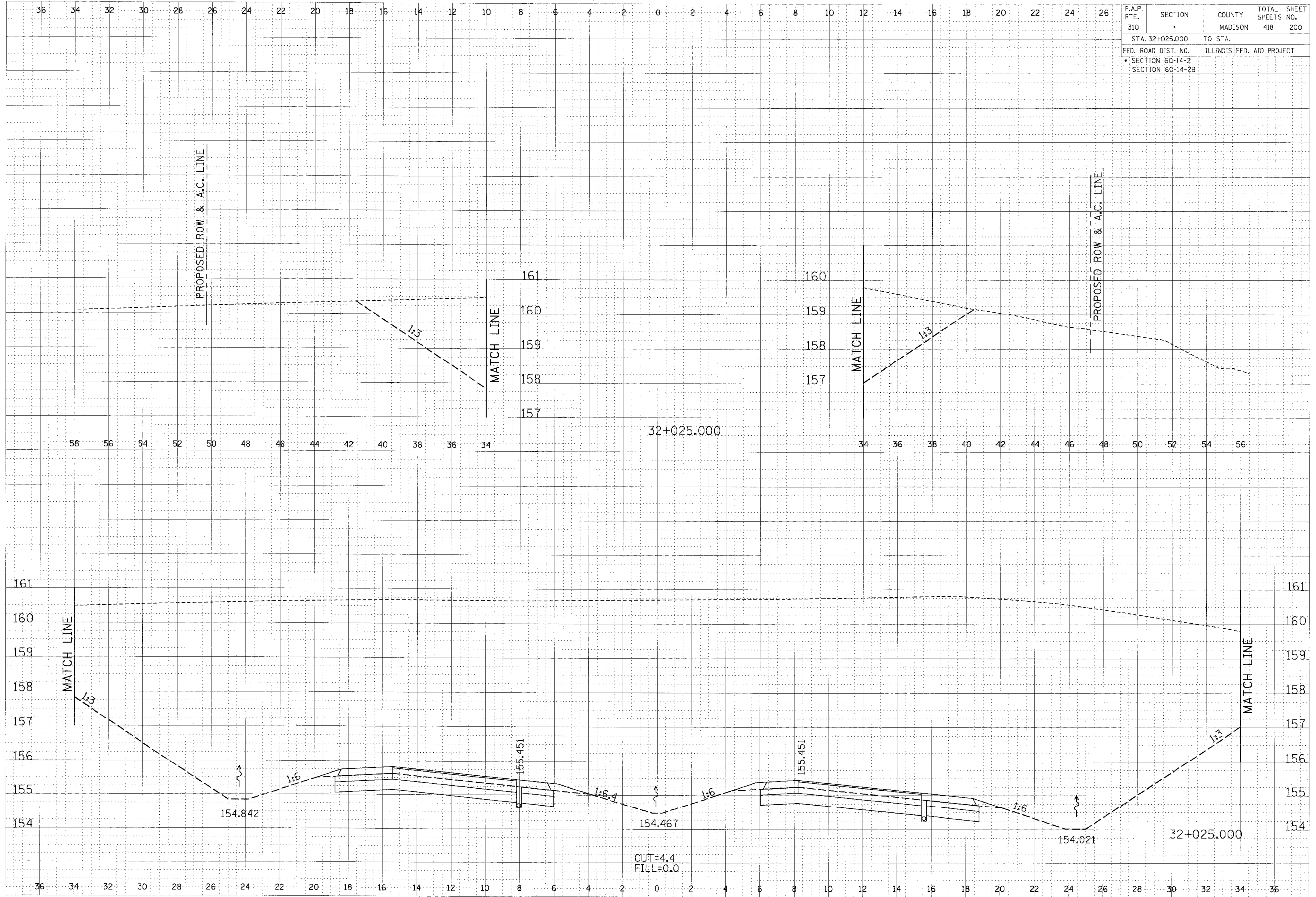


CROSS SECTION, FAP ROUTE 310, STA 32+000.000

F.A.P. RTE. 310	SECTION •	COUNTY MADISON	TOTAL SHEETS 418	SHEET NO. 200
STA. 32+025.000		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• SECTION 60-14-2		SECTION 60-14-2B		

DATE	BY
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CROSS SECTION, FAP ROUTE 310, STA 32+025.000