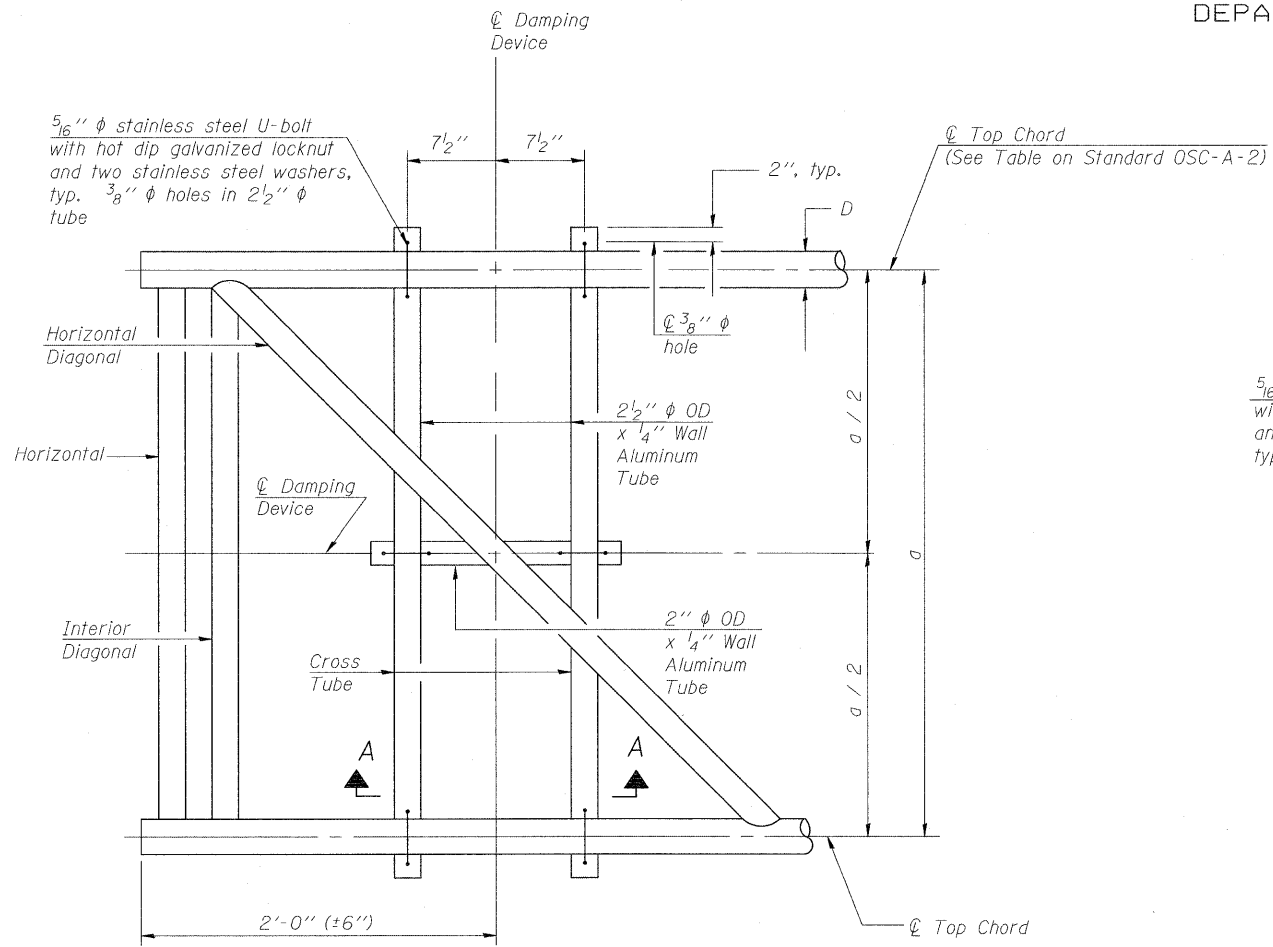


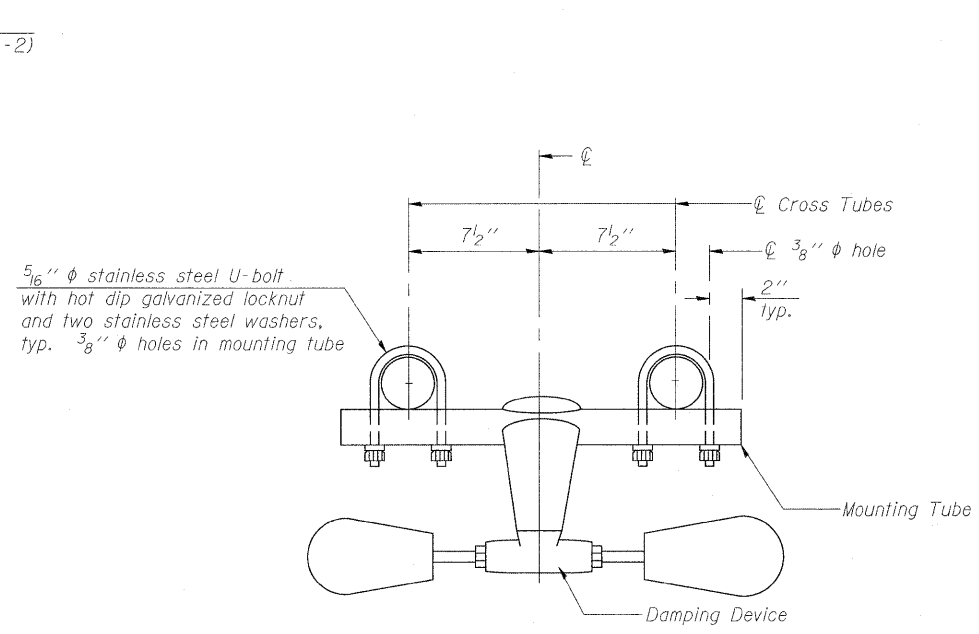




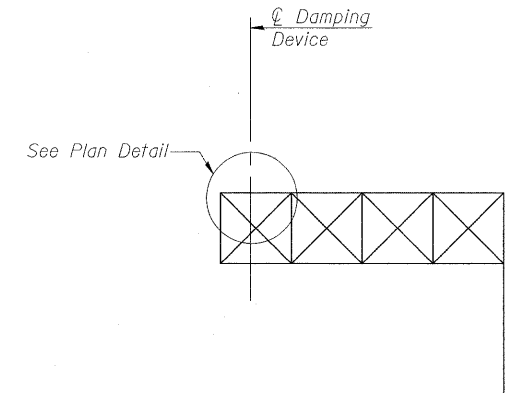
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



PLAN DETAIL

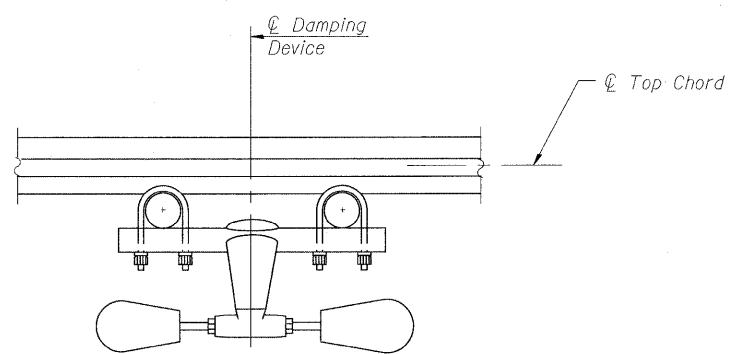


TRUSS DAMPING  
DEVICE CONNECTION DETAIL

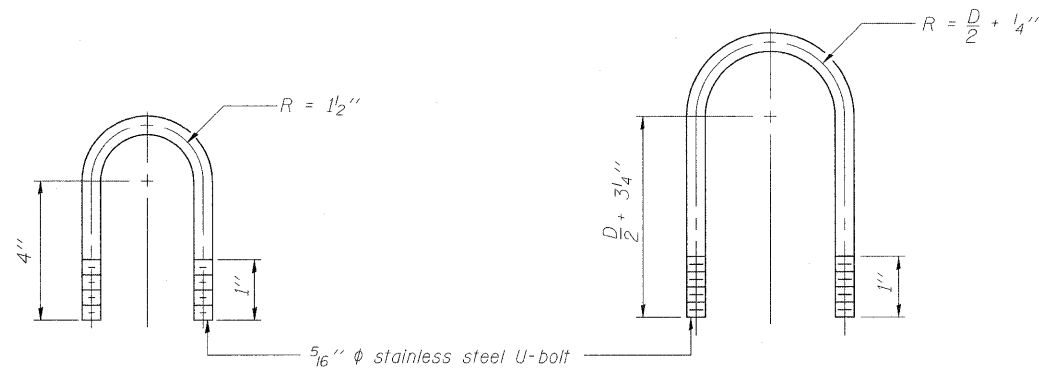


ELEVATION  
Aluminum Cantilever  
Sign Structure

- GENERAL NOTES**
- Damper: One damper per truss. (31 lbs. Stockbridge-Type Aluminum-29" minimum between ends of weights)
  - Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6



SECTION A-A



DAMPING DEVICE MOUNTING  
TUBE U-BOLT DETAIL  
(Typical)

TOP CHORD TO CROSS TUBE  
U-BOLT DETAIL  
(Typical)

DESIGNED M.J.J.	200
CHECKED J.T.H.	EXAMINED
DRAWN M.J.J.	PASSED
CHECKED J.T.H./ALN	ENGINEER OF BRIDGES AND STRUCTURES

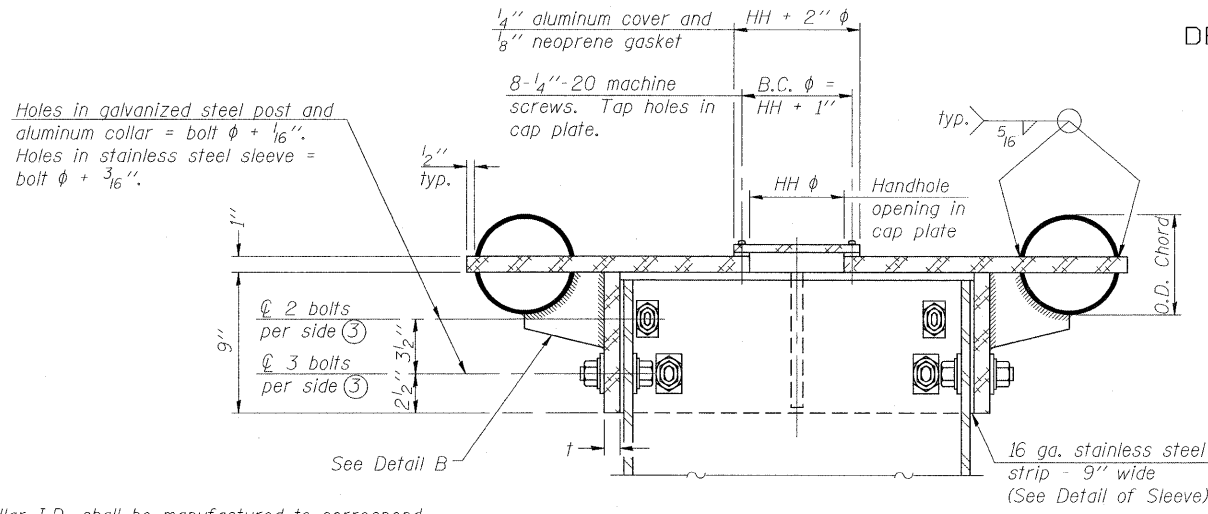
OSC-A-D 12-1-08

CANTILEVER SIGN STRUCTURE DAMPING DEVICE						
<b>THOUVENOT, WADE &amp; MOERCHEN, INC.</b> <small>SWANSEA • WATERLOO • EDWARDSVILLE • CARBONDALE • ST. CHARLES</small>		<small>CORPORATE OFFICE                      4940 Old Collinsville Road                      Swansea, Illinois 62226                      Tel: 618.624.4488                      Fax: 618.624.6888</small>				
SHEET NO. 8 15 SHEETS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		322	(58-64HB-1)B-1	MACON	149	103
		US ROUTE 51		CONTRACT NO. 74387		
		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



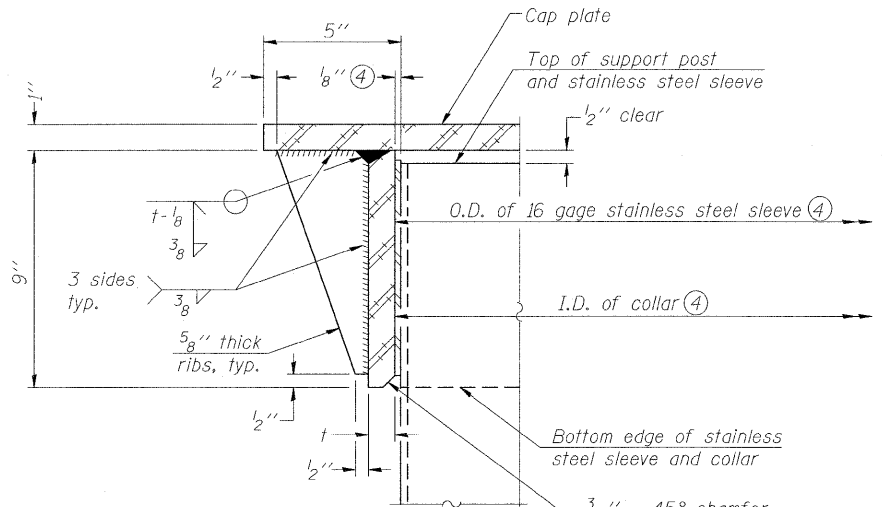
Plotted by: mjaost 3/12/2010 4:26:55 PM

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

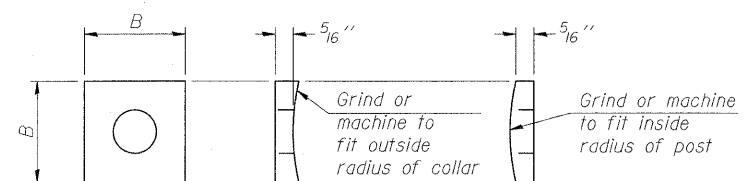


Holes in galvanized steel post and aluminum collar = bolt  $\phi + 1/16$ ".  
Holes in stainless steel sleeve = bolt  $\phi + 3/16$ ".

④ Collar I.D. shall be manufactured to correspond to O.D. of actual galvanized post and stainless steel sleeve plus  $1/8$ " ( $\pm 1/16$ "). Maximum gap between post and collar at any location equals  $1/8$ " before tightening bolts.



④ Collar I.D. shall be manufactured to correspond to O.D. of actual galvanized post and stainless steel sleeve plus  $1/8$ " ( $\pm 1/16$ "). Maximum gap between post and collar at any location equals  $1/8$ " before tightening bolts.



CONTOURED WASHERS

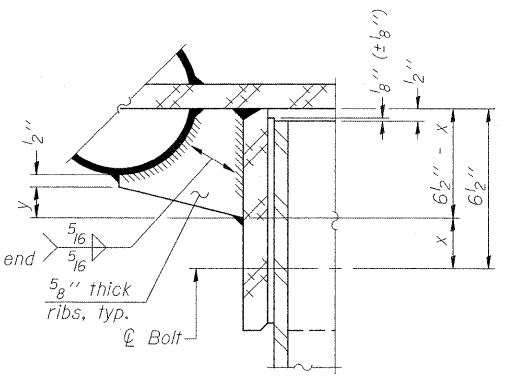
Bolt Size	Contoured Washers	
	Hole Dia.	B
7/8"	1"	2 1/2"
1"	1 1/8"	3"
1 1/4"	1 3/8"	3 1/4"

DESIGNED MJJ	200
CHECKED JTH	EXAMINED
DRAWN MJJ	PASSED
CHECKED JTH/ALN	ENGINEER OF BRIDGE DESIGN
	ENGINEER OF BRIDGES AND STRUCTURES

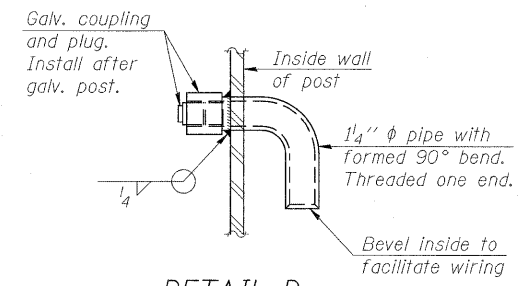
OSC-A-3 12-1-08

SECTION B-B

Bolts, washers (including contoured washers), and locknuts shall be stainless steel.



DETAIL B  
Two locations  
(For details not shown, see Detail C)

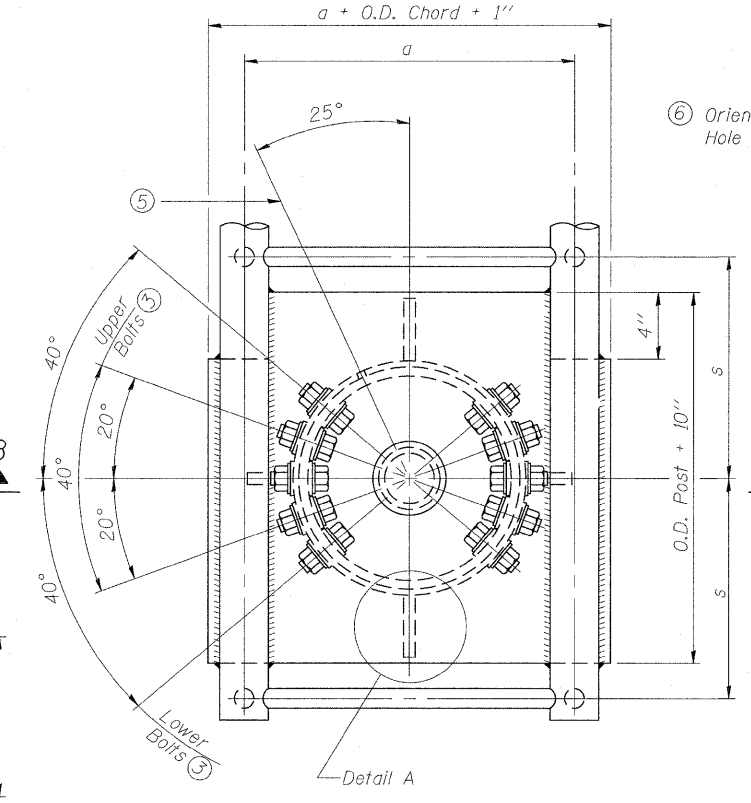


DETAIL D

DETAIL OF STAINLESS STEEL SLEEVE

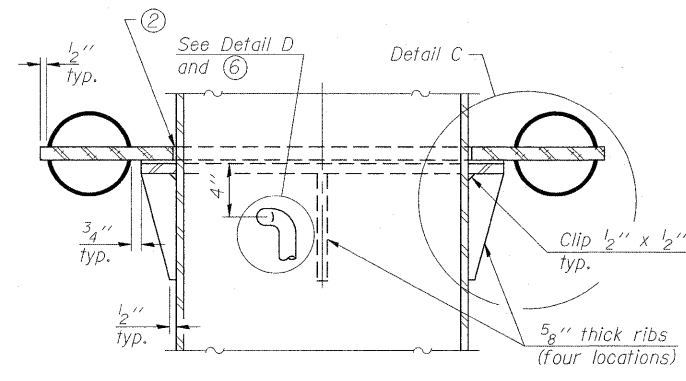
Weld to post after galvanizing. (Prepare post surface to insure tight, uniform fit and allow welding.) Welds to be 1/2" long at 6" cts. along top edge and at 1/4" opening.

NUMBER	REVISION	DATE

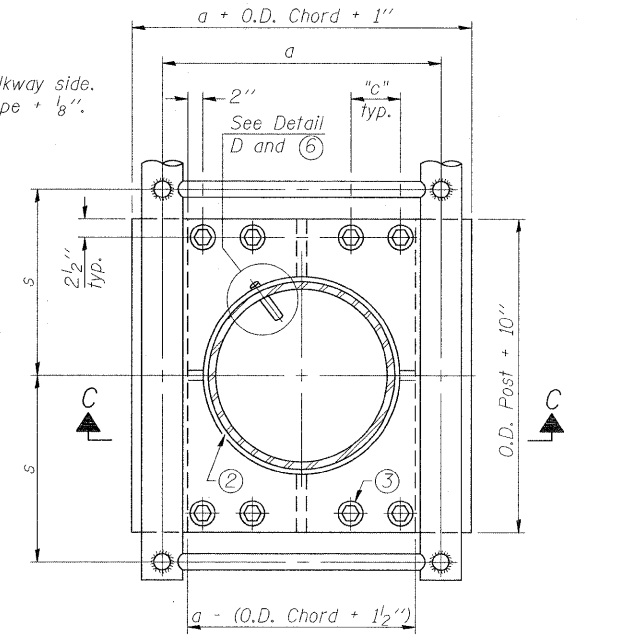


PLAN VIEW - TOP OF COLUMN

⑤ Optional full penetration weld in collar. (Two locations maximum....(180° apart)....X-ray or UT 100%)

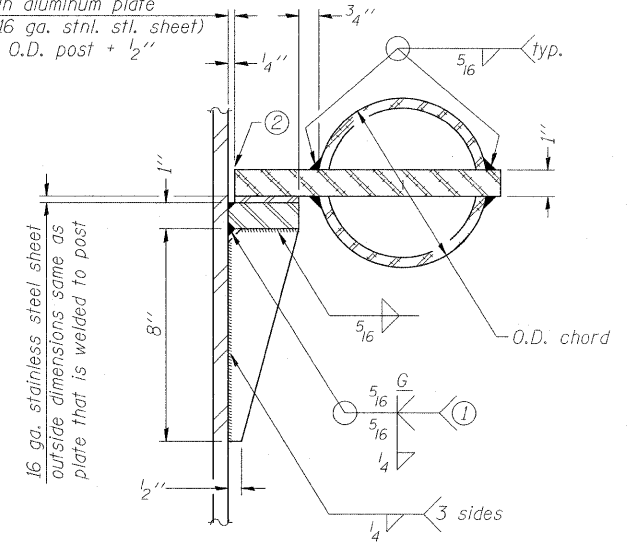


SECTION C-C



SECTION THRU POST ABOVE LOWER CHORDS

Hole in aluminum plate (and 16 ga. stnl. stl. sheet) to be O.D. post + 1/2"



DETAIL C

- ① Grind top if required to fully seat aluminum plate and stainless steel sheet.
- ② After tightening lower connection bolts, fill gap with non-hardening, silicone caulk suitable for exterior exposure and acceptable to the Engineer. Cost is included in Overhead Sign Structure Cantilever.

Truss Type	Post Size	Upper & Lower Connection Bolt Diameter ③	Lower Juncture Bolt Spacing Dimension "c" ③	Opening in Cap Plate "HH"	Collar Thickness (t)	Side Ribs	
						x	y
I-C-A	16" $\phi$ (83#/'')	7/8"	3 1/4"	8"	5/8"	1 3/4"	2 1/4"
II-C-A	24" $\phi$ (125#/'')	1"	3 1/2"	12"	7/8"	2"	1 1/4"
III-C-A (35' max.)	24" $\phi$ (125#/'')	1 1/4"	3 1/2"	12"	7/8"	2"	1"
III-C-A (>35' to 40')	24" $\phi$ (171#/'')	1 1/4"	3 1/2"	12"	7/8"	2"	1"

③ Upper and lower connection bolts in collar and bolts at lower chord connection shall be high strength with matching locknuts. Connection bolts shall have 2 stainless steel flat washers each.

CANTILEVER SIGN STRUCTURES  
JUNCTURE DETAILS  
ALUMINUM TRUSS & STEEL POST

**THOUVENOT, WADE & MOERCHEN, INC.**  
CORPORATE OFFICE  
4940 Old Collinsville Road  
Swansea, Illinois 62226  
Tel: 618.624.4488  
Fax: 618.624.6888  
SWANSEA • WATERLOO • EDWARDSVILLE • CARBONDALE • ST. CHARLES

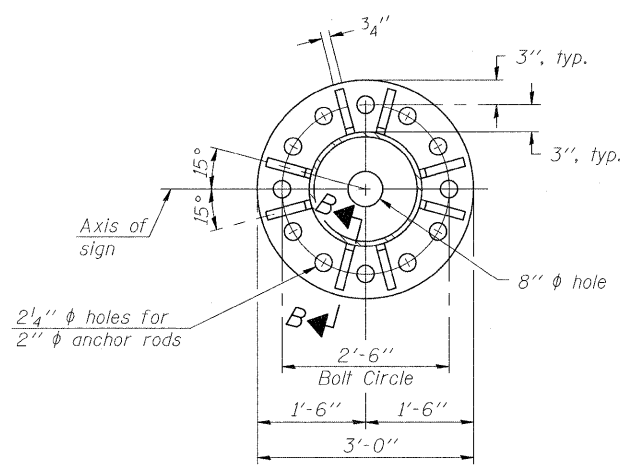
**TWM**  
ENGINEERS • SURVEYORS • PLANNERS

SHEET NO. 9	F.A.P. RTE. 322	SECTION (58-64HB-1)B-1	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 104
15 SHEETS	US ROUTE 51		CONTRACT NO. 74387		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

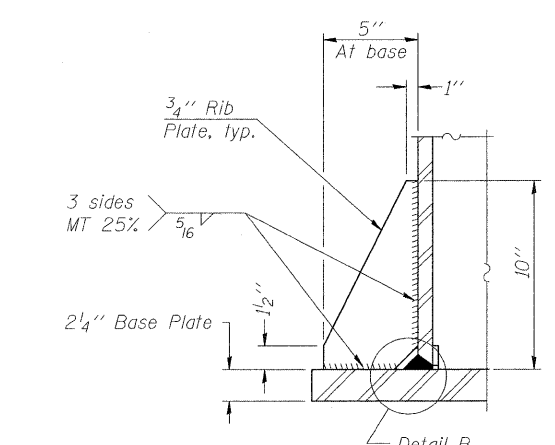
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Plotted by: mjoast



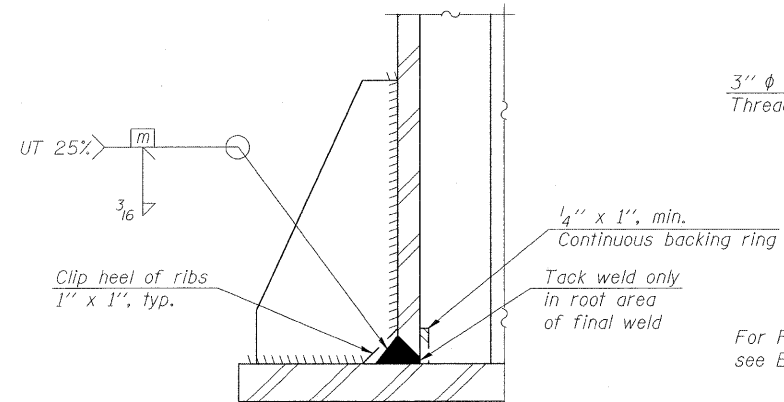
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



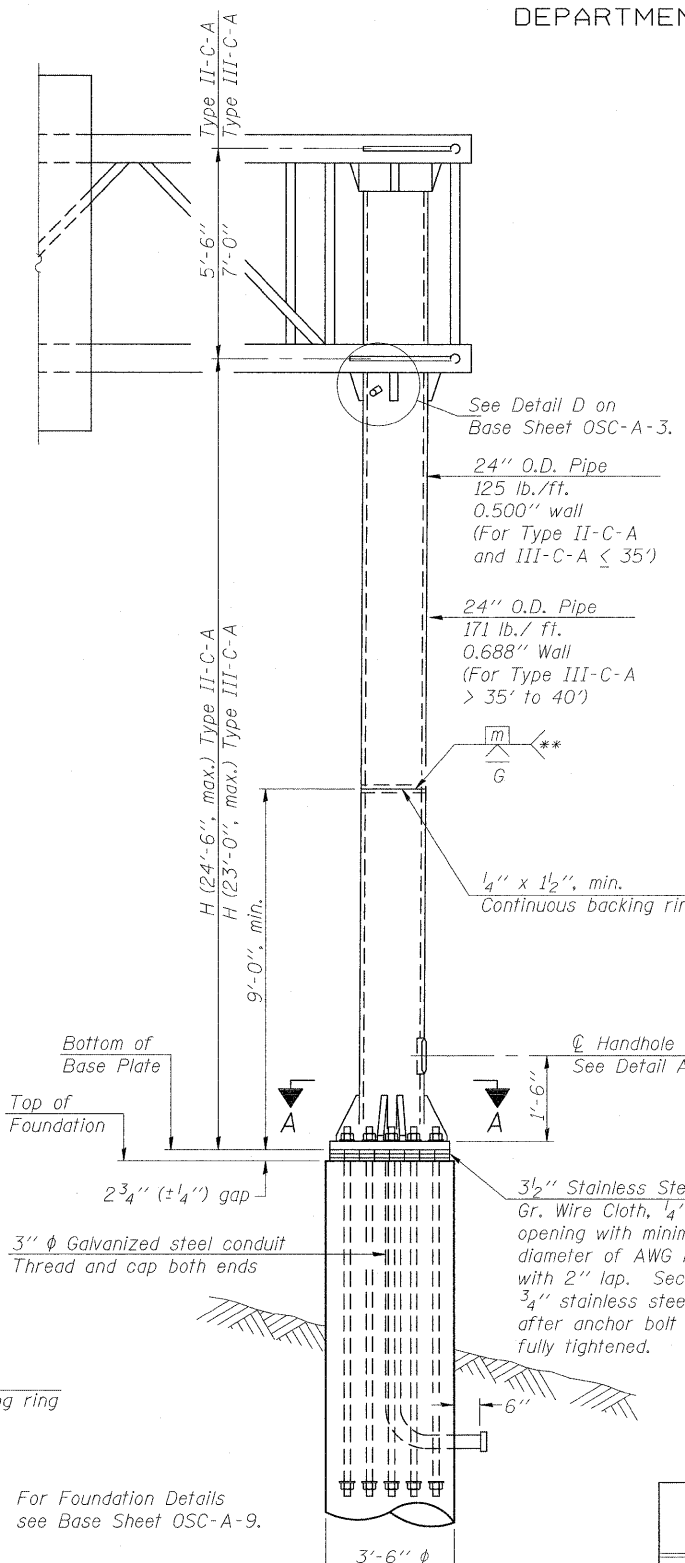
SECTION A-A



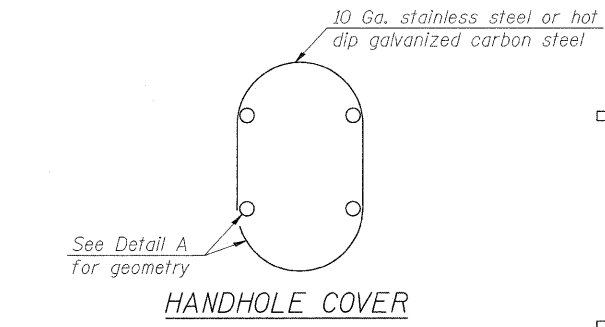
SECTION B-B



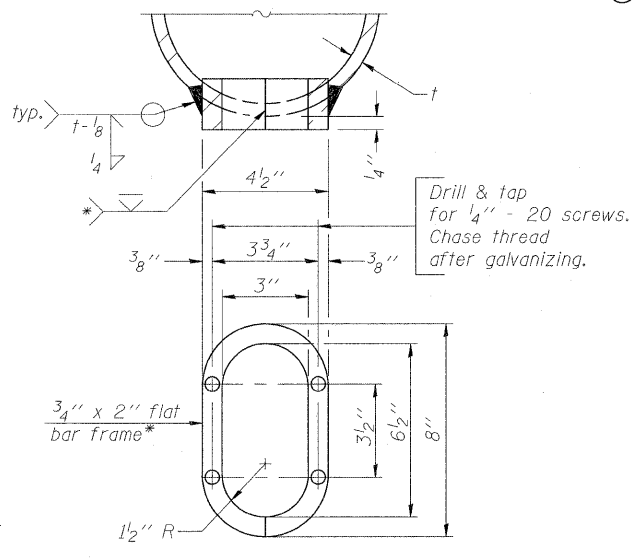
DETAIL B  
(Typical rib)



FRONT ELEVATION

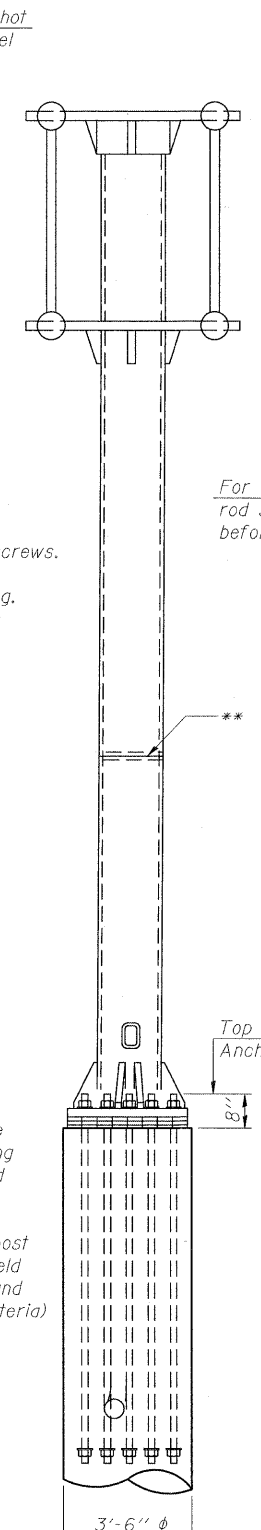


HANDHOLE COVER

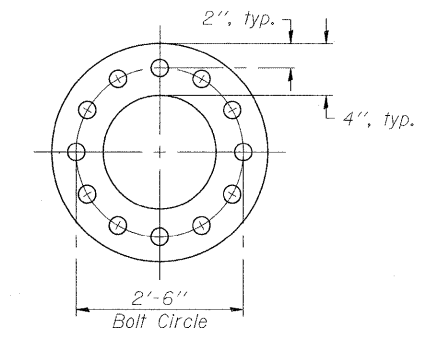


DETAIL A

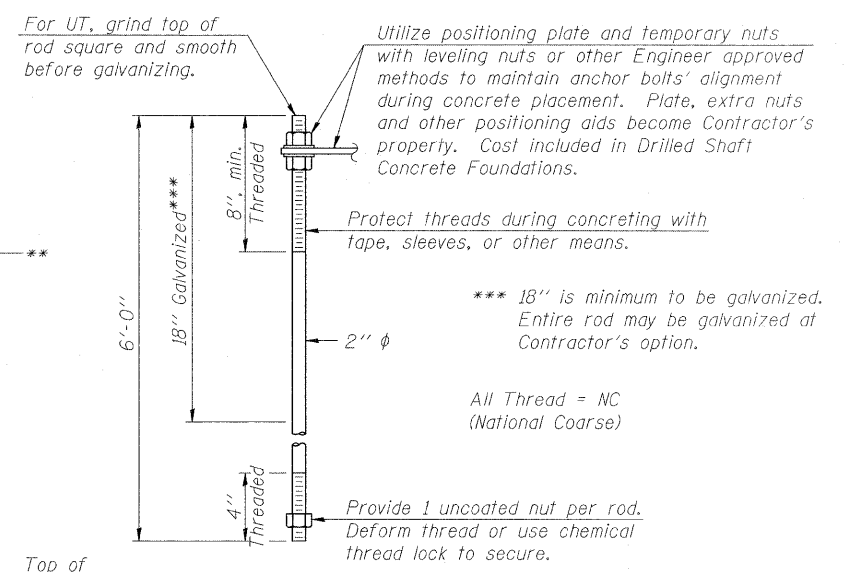
- \* Bent bars may be butt welded top and bottom or bottom only. In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500  $\mu$ in or less.
- \*\* Butt welded joint in post is only allowed for post heights (H) over 20 ft. in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.



SIDE ELEVATION



SUGGESTED POSITIONING PLATE



ANCHOR ROD DETAIL

Anchor rods shall conform to AASHTO M314 Grade 105 and meet Charpy V-Notch (CVN) energy of 15 lb.-ft. at 10° F. before galvanizing. Galvanize the upper 18" (minimum\*\*\*) and associated M29L Grade A, C or DH heavy hex nuts and hardened washers per AASHTO M232. No welding shall be permitted on rods. Provide an unfinished nut at bottom, a hexagon locknut and washer above base plate and a leveling nut and washer below base plate. Nuts shall each be tightened with 200 lb.-ft. minimum torque against base plate. Before or after threading, but before galvanizing, each anchor rod shall be ultrasonically tested (UT) by a Level II or III inspector, qualified in accord with ANSI guidelines, using a straight beam, 1/2"  $\phi$  3.5 mhz. transducer, to insure no rejectable flaws exist in the upper 18" (tension criteria). Cost of testing included in Drilled Shaft Concrete Foundations.

Structure Number	Station	H
#7C058UB51L017.13	1152+86	22'-7"
#7C058UB51R017.11	1156+75	22'-7"

Note: "H" based on 15'-0" or actual sign height, whichever is greater.

DESIGNED M.J.J.	200
CHECKED J.T.H.	EXAMINED
DRAWN M.J.J.	PASSED
CHECKED J.T.H./ALN	ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

CANTILEVER SIGN STRUCTURES  
TYPE II-C-A & III-C-A TRUSS SUPPORT POST  
ALUMINUM TRUSS & STEEL POST

**THOUVENOT, WADE & MOERCHEN, INC.**  
CORPORATE OFFICE  
4940 Old Collinsville Road  
Swansea, Illinois 62226  
Tel: 618.624.4488  
Fax: 618.624.8688  
SWANSEA • WATERLOO • EDWARDSVILLE • CARBONDALE • ST. CHARLES

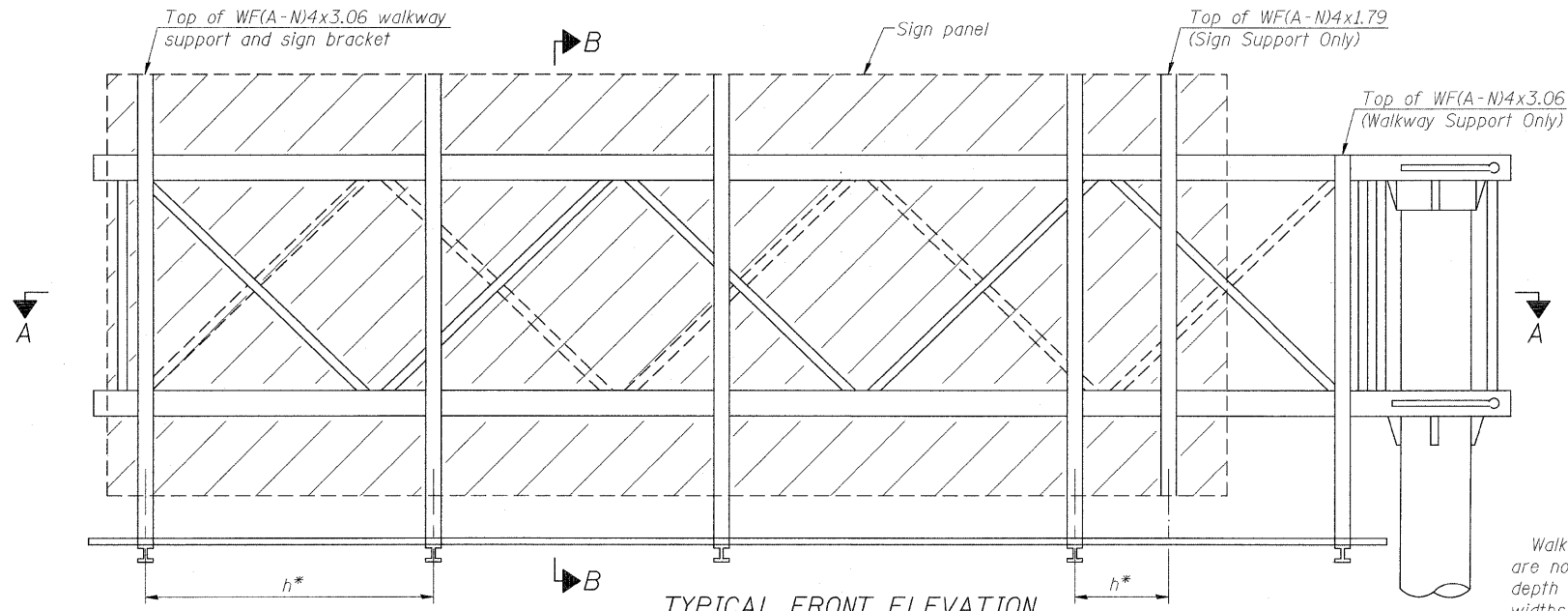
**TWM**  
ENGINEERS • SURVEYORS • PLANNERS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(58-64HB-1)B-1	MACON	149	105
US ROUTE 51		CONTRACT NO. 74387		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

SHEET NO. 10  
15 SHEETS

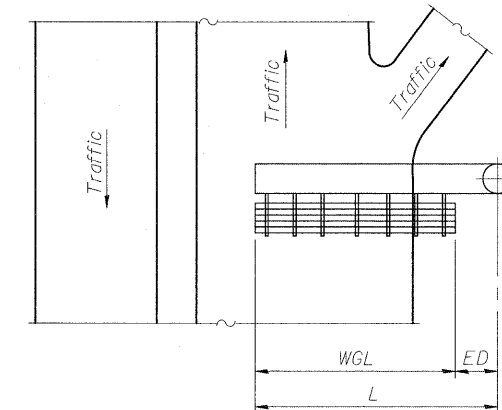
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

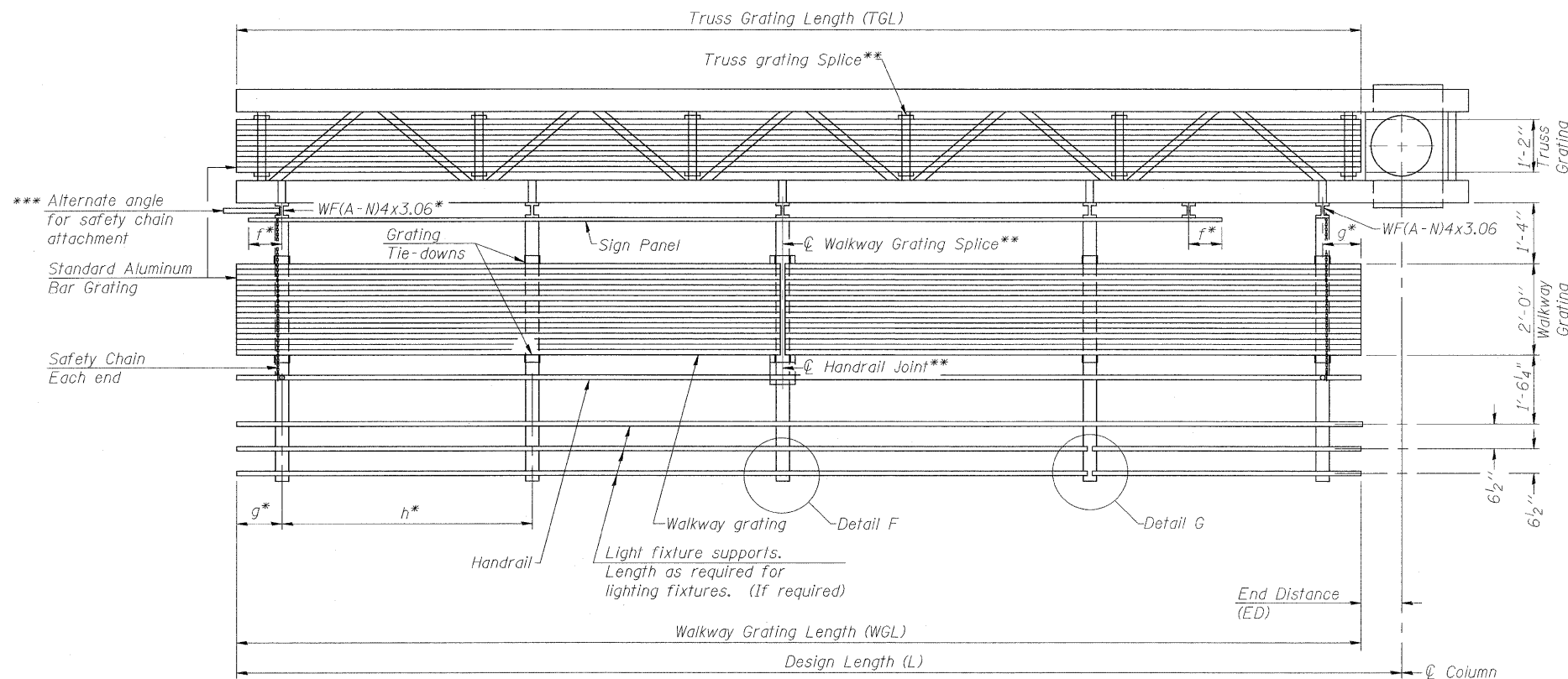


**TYPICAL FRONT ELEVATION**  
With lights and handrail omitted for clarity.

Walkway and truss grating dimensions are nominal and may vary (width ± 1/2", depth ± 1/2") based on available standard widths.



**PLAN WALKWAY AND HANDRAIL SKETCH**  
(Road plan beneath truss varies)



**SECTION A-A**

Truss grating to facilitate inspection shall run full length of cantilevers. Cost of truss grating is included in Overhead Sign Structure Cantilever.

Handrail and walkway grating shall span a minimum of three brackets between splices. \*\* Use and location of handrail joints or grating splices are optional, based on lengths needed and material availability.

$$TGL = L - \left( \frac{\text{Post O.D.}}{2} + 6'' \right)$$

NUMBER	REVISION	DATE

DESIGNED MJJ	200
CHECKED JTH	EXAMINED
DRAWN MJJ	ENGINEER OF BRIDGE DESIGN
CHECKED JTH/ALN	PASSED
	ENGINEER OF BRIDGES AND STRUCTURES

OSC-A-6 12-1-08

Structure Number	Station	WGL	ED	TGL
#7C058UB51L017.13	1152+86	19'-6"	16'-4"	34'-4"
#7C058UB51R017.11	1156+75	16'-0"	19'-10"	34'-4"

Notes:  
 \* Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:  
 f = 12" maximum, 4" minimum (End of sign to center of nearest bracket)  
 g = 12" maximum, 4" minimum (End of walkway to center of nearest bracket)  
 h = 6'-0" maximum (center to center sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)  
 \*\*\* If walkway bracket at safety chain location is behind sign, add angle to bracket. See alternate safety chain attachment on base sheet OSC-A-8.  
 For details of sign placement, sign/walkway brackets, truss and walkway gratings, grating splices and Section B-B, see Base Sheet OSC-A-7.  
 For details of handrail, handrail joint, safety chain and Details F and G, see Base Sheet OSC-A-8.

**BRACKET TABLE**

Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
8'-0"	14'-0"	2
14'-0"	20'-0"	3
20'-0"	26'-0"	4
26'-0"	32'-0"	5
		6

**CANTILEVER SIGN STRUCTURES  
ALUMINUM WALKWAY DETAILS  
ALUMINUM TRUSS & STEEL POST**

<b>THOUVENOT, WADE &amp; MOERCHEN, INC.</b> SWANSEA • WATERLOO • EDWARDSVILLE • CARBONDALE • ST. CHARLES		CORPORATE OFFICE 4940 Old Collinsville Road Swansea, Illinois 62226 Tel: 618.624.4488 Fax: 618.624.8688		 ENGINEERS • SURVEYORS • PLANNERS	
F.A.P. RTE. 322	SECTION (58-64HB-1)B-1	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 106	
US ROUTE 51		CONTRACT NO. 74387			
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

SHEET NO. 11  
15 SHEETS

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SPECIFICATIONS FOR STANDARD ALUMINUM GRATING**

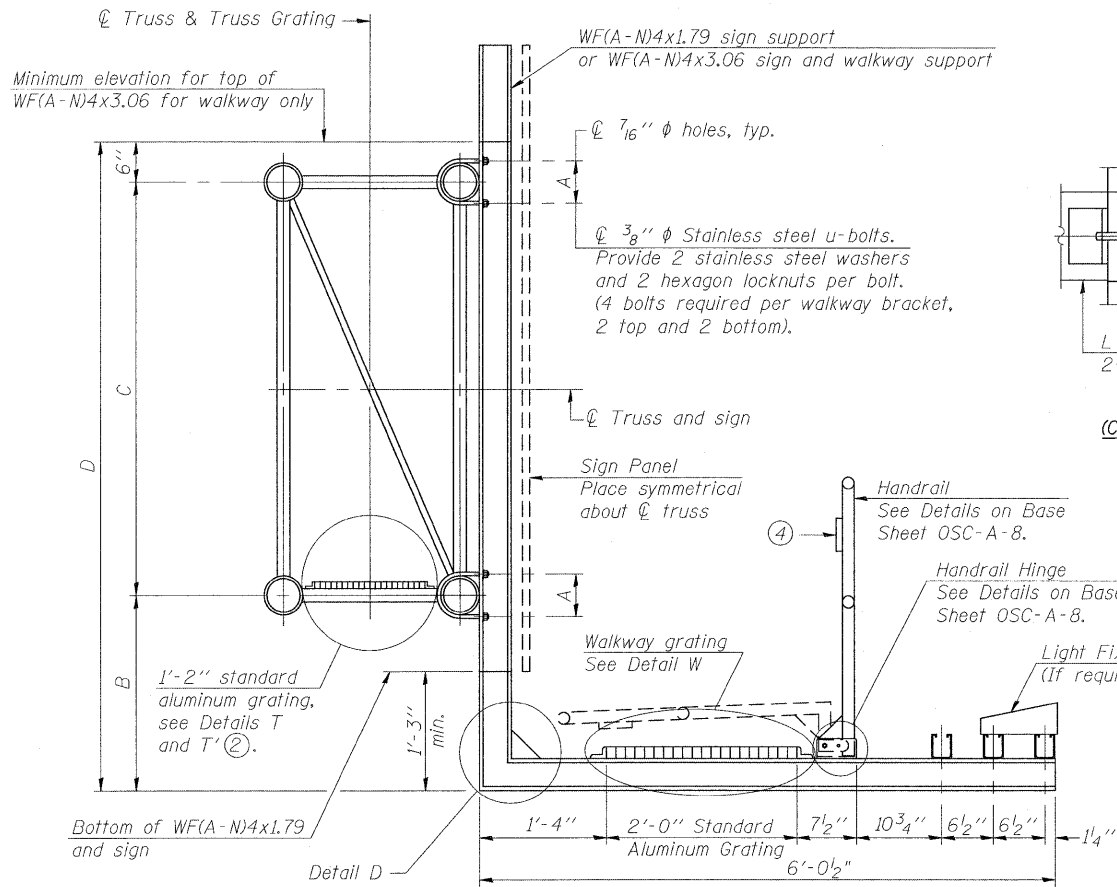
Main Bearing Bars (MBB) shall be  $\frac{3}{16}$ " x  $\frac{1}{2}$ " on  $1\frac{3}{16}$ " centers and conform to ASTM B21 Alloy 6061-T6.  
Cross bars (CB) shall be  $\frac{3}{16}$ " x  $\frac{1}{2}$ " on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified "t" sections for main bearing bars shall meet the following requirements:

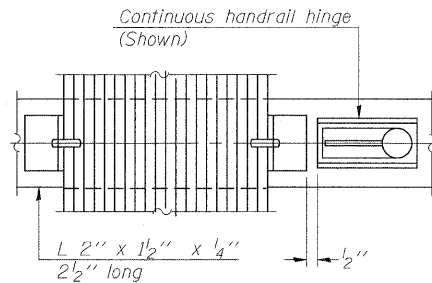
Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.<sup>3</sup> per bar, a depth of  $1\frac{1}{2}$ ", spaced on  $1\frac{3}{16}$ " centers.

Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.



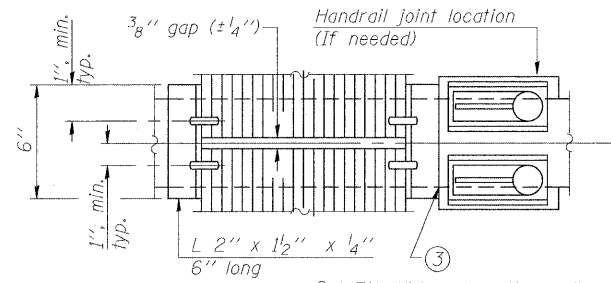
SECTION B-B

Sign shall be even with the top of the bracket, but it may extend no more than 6" above the top of the bracket for field adjustments.

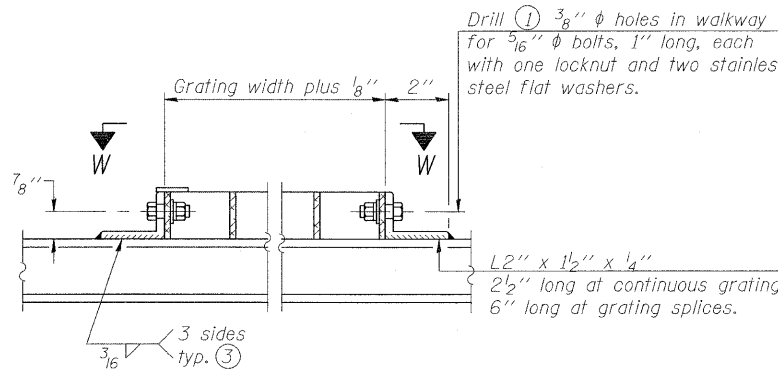


(CONTINUOUS WALKWAY GRATING)

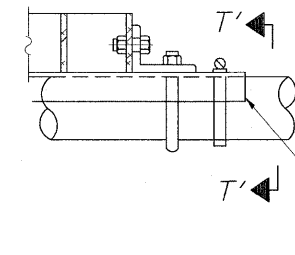
SECTION W-W



(AT WALKWAY GRATING SPLICE)

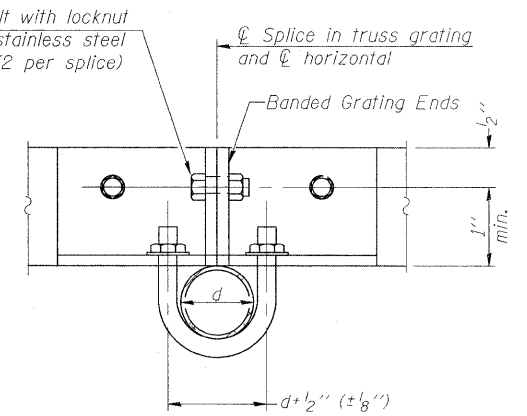


DETAIL W  
(Walkway grating)

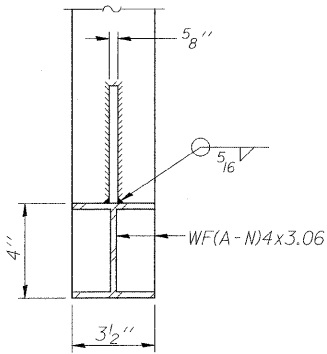
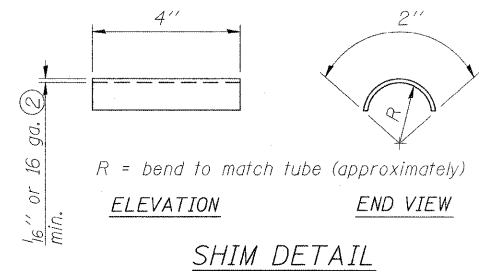


DETAIL T'

(Truss grating splice)  
Details not shown same as Detail T. Alternate materials may be used subject to the Engineer's review and approval.

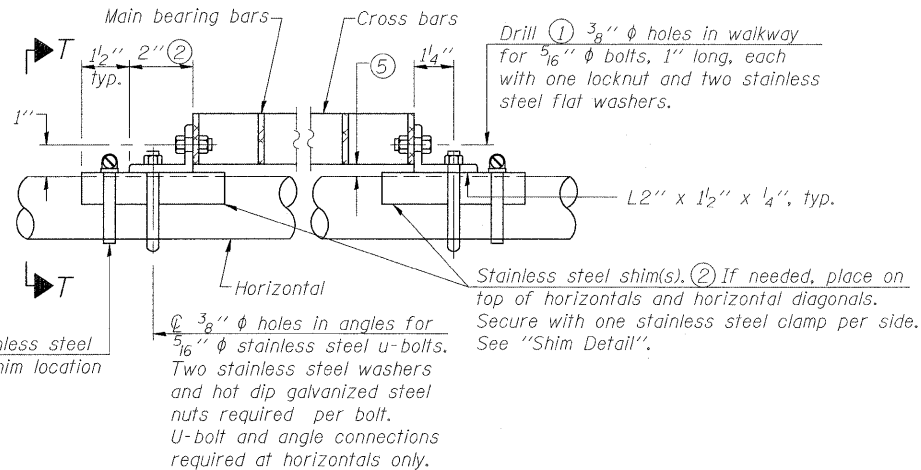


SECTION T'-T'



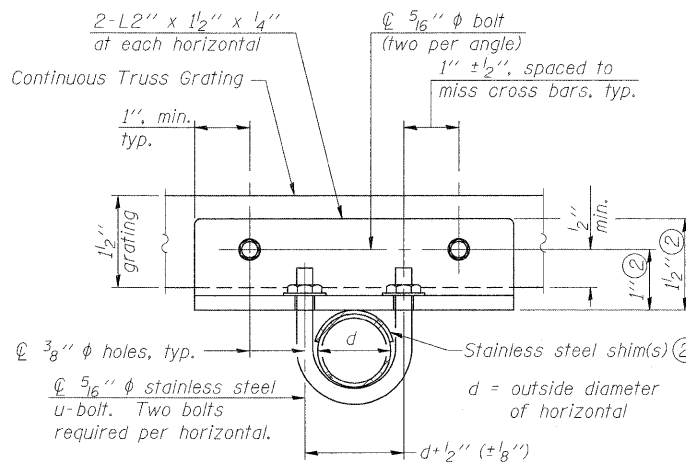
SECTION D-D

Screw type stainless steel tube clamp at shim location



DETAIL T

(Continuous Truss grating)

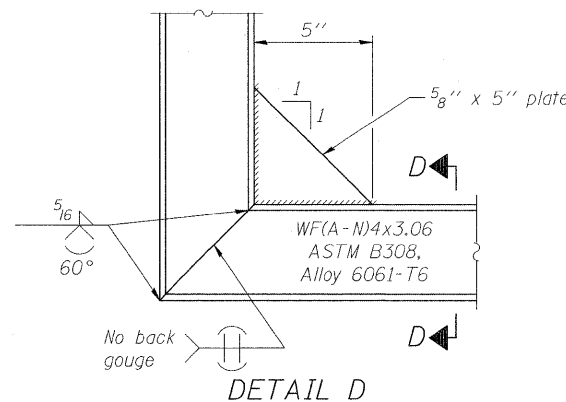


SECTION T-T

- ① Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- ② Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.
- ③ If Handrail Joint present, weld angle to WF(A-N)4 and 1/4" extension bars. (See Base Sheet OSC-A-8.)
- ④  $\phi$  1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.
- ⑤ Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.
- ⑥ Based on actual sign height, D<sub>s</sub>, given on OSC-A-1.

NUMBER	REVISION	DATE

DESIGNED M.J.J.	200
CHECKED J.T.H.	EXAMINED
DRAWN M.J.J.	PASSED
CHECKED J.T.H./ALN	ENGINEER OF BRIDGE DESIGN
OSC-A-7	ENGINEER OF BRIDGES AND STRUCTURES
6-1-09	



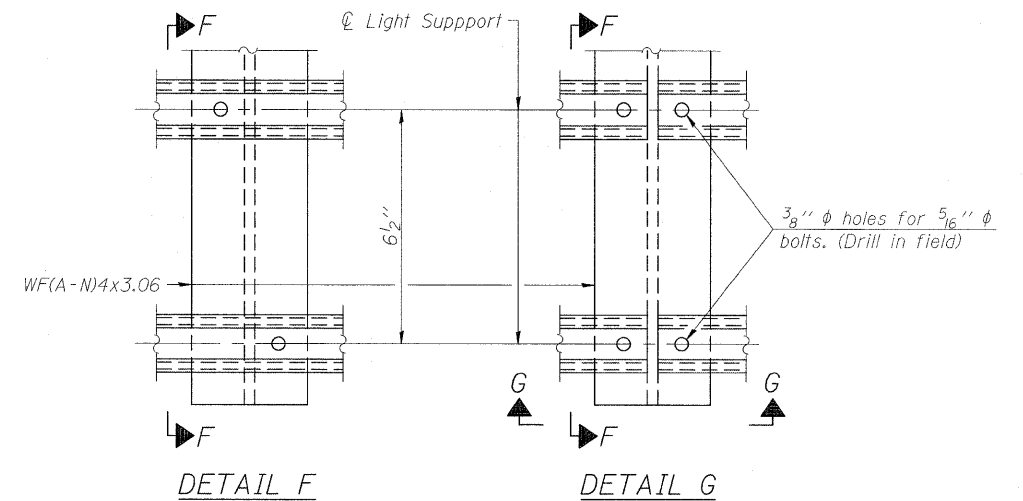
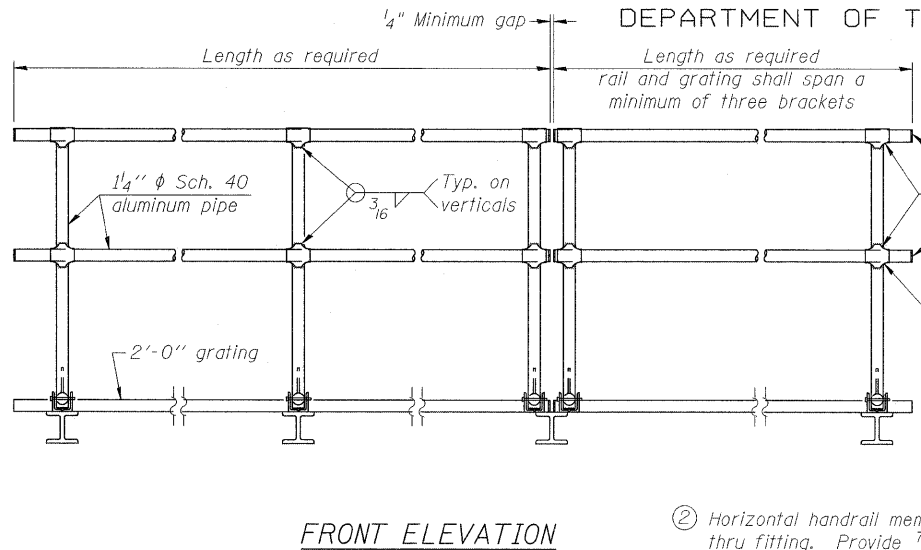
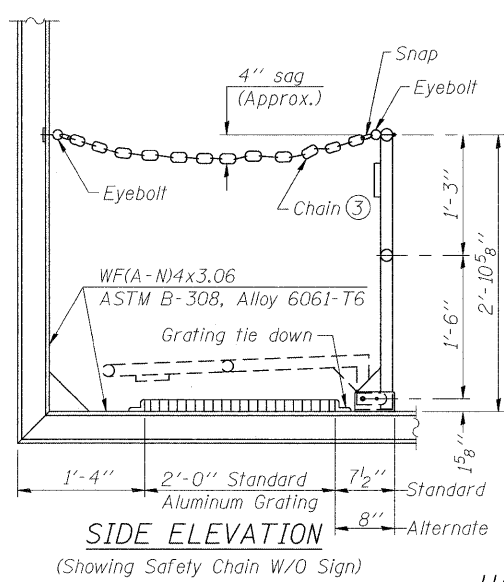
Structure Number	Station	A	⑥ B	C	⑥ D
#7C058UB51L017.13	1152+86	8-3/8"	1'-3"	7'-0"	9'-3"
#7C058UB51R017.11	1156+75	8-3/8"	1'-3"	7'-0"	9'-3"

SHEET NO. 12  
15 SHEETS

CANTILEVER SIGN STRUCTURES WALKWAY DETAILS ALUMINUM TRUSS & STEEL POST						
<b>THOUVENOT, WADE &amp; MOERCHEN, INC.</b>		CORPORATE OFFICE 4940 Old Collinsville Road Swansea, Illinois 62226 Tel: 618.624.4488 Fax: 618.624.6688 SWANSEA • WATERLOO • EDWARDSVILLE • CARBONDALE • ST. CHARLES				
<b>TWM</b> ENGINEERS • SURVEYORS • PLANNERS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		322	(58-64HB-1)B-1	MACON	149	107
		US ROUTE 51		CONTRACT NO. 74387		
		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

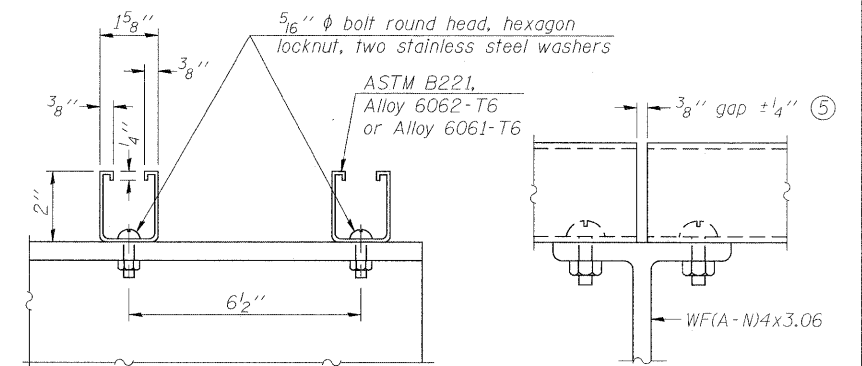
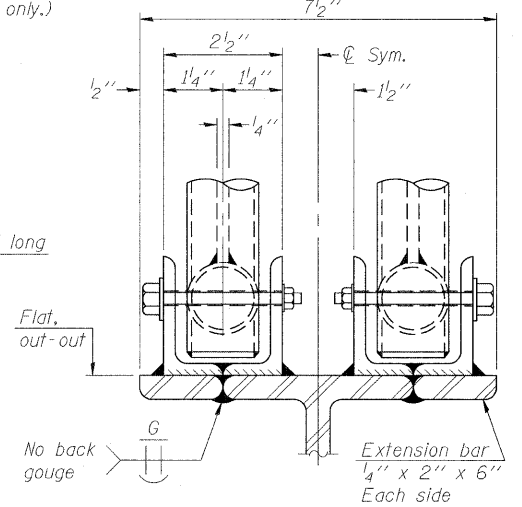
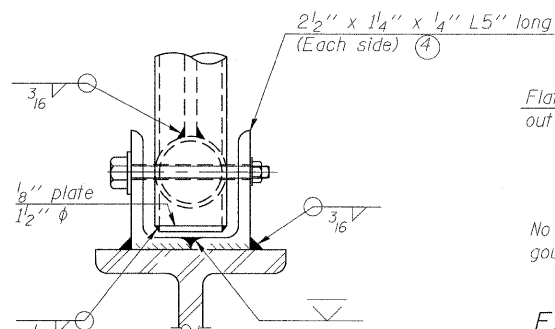
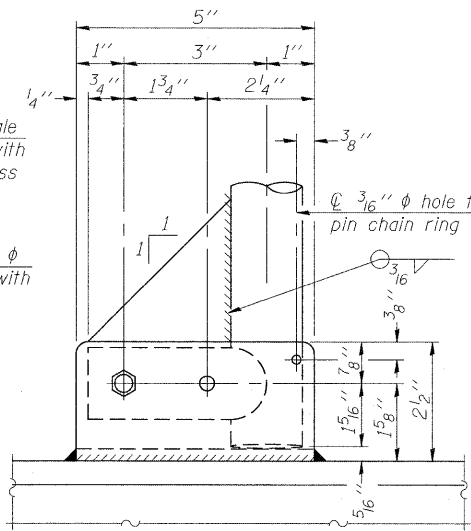
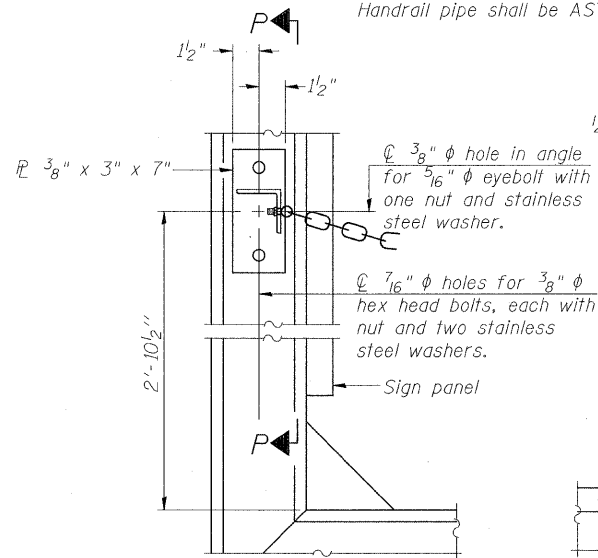
3/12/2010 4:26:58 PM  
Plotted by: mjaost

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



HANDRAIL DETAILS

Handrail pipe shall be ASTM B241 or B429, Alloy 6063-T6 or Alloy 6061-T6.

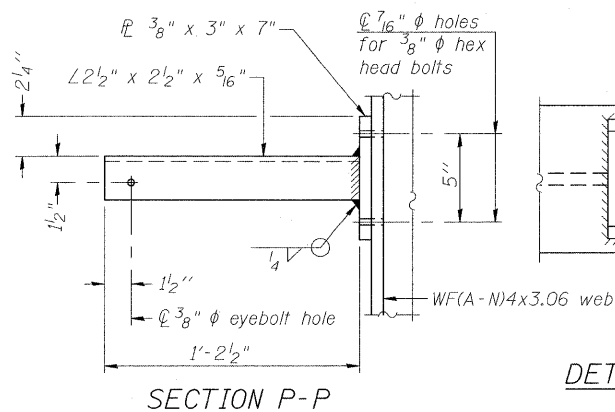


LIGHTING FIXTURE MOUNTS (IF REQUIRED)

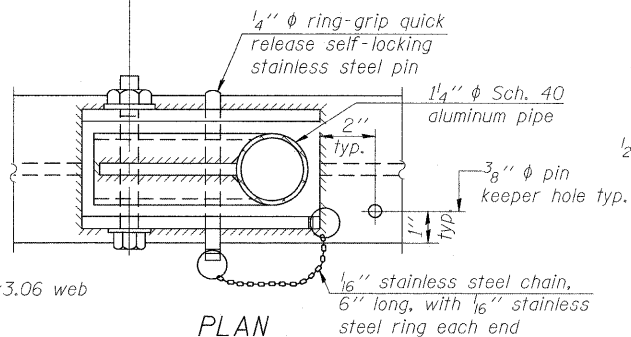
⑤ Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.

ALTERNATE SAFETY CHAIN ATTACHMENT

(With Sign Present)  
Items not shown same as "Side Elevation" of "Handrail Details"

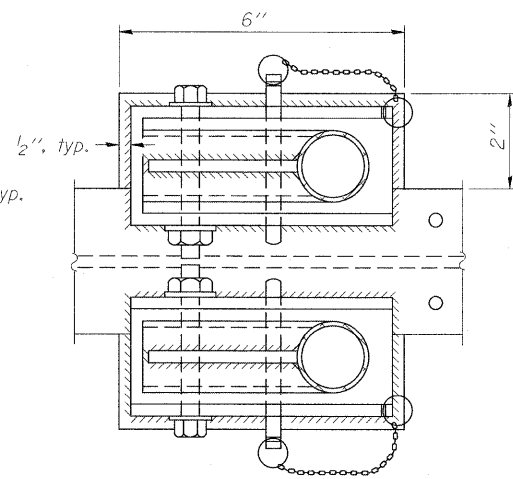


Drill and ream for 3/8" φ bolt with two hexagon locknuts and two stainless steel washers.



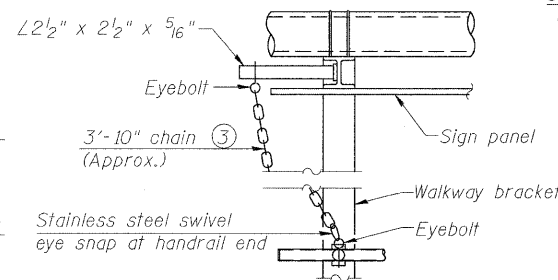
FRONT ELEVATION

Details not shown same as "ELEVATION" at right.



ELEVATION AT HANDRAIL JOINT ④

Details not shown same as "FRONT ELEVATION"

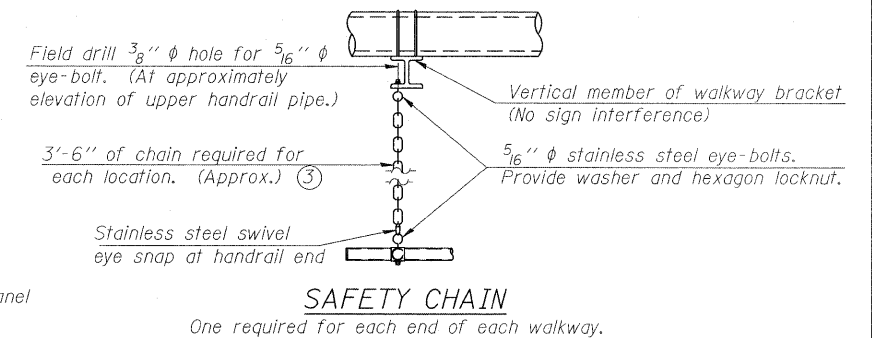


ALTERNATE SAFETY CHAIN ATTACHMENT

Details not shown similar to "Safety Chain" Details (Walkway omitted for clarity)

③ 3/16" Type 304L stainless steel chain, approximately 12 links per foot.

④ Extrusions may be used in lieu of the details shown, with approval of the Engineer.



DESIGNED MJJ	200
CHECKED JTH	EXAMINED
DRAWN MJJ	PASSED
CHECKED JTH/ALN	ENGINEER OF BRIDGES AND STRUCTURES

NUMBER	REVISION	DATE

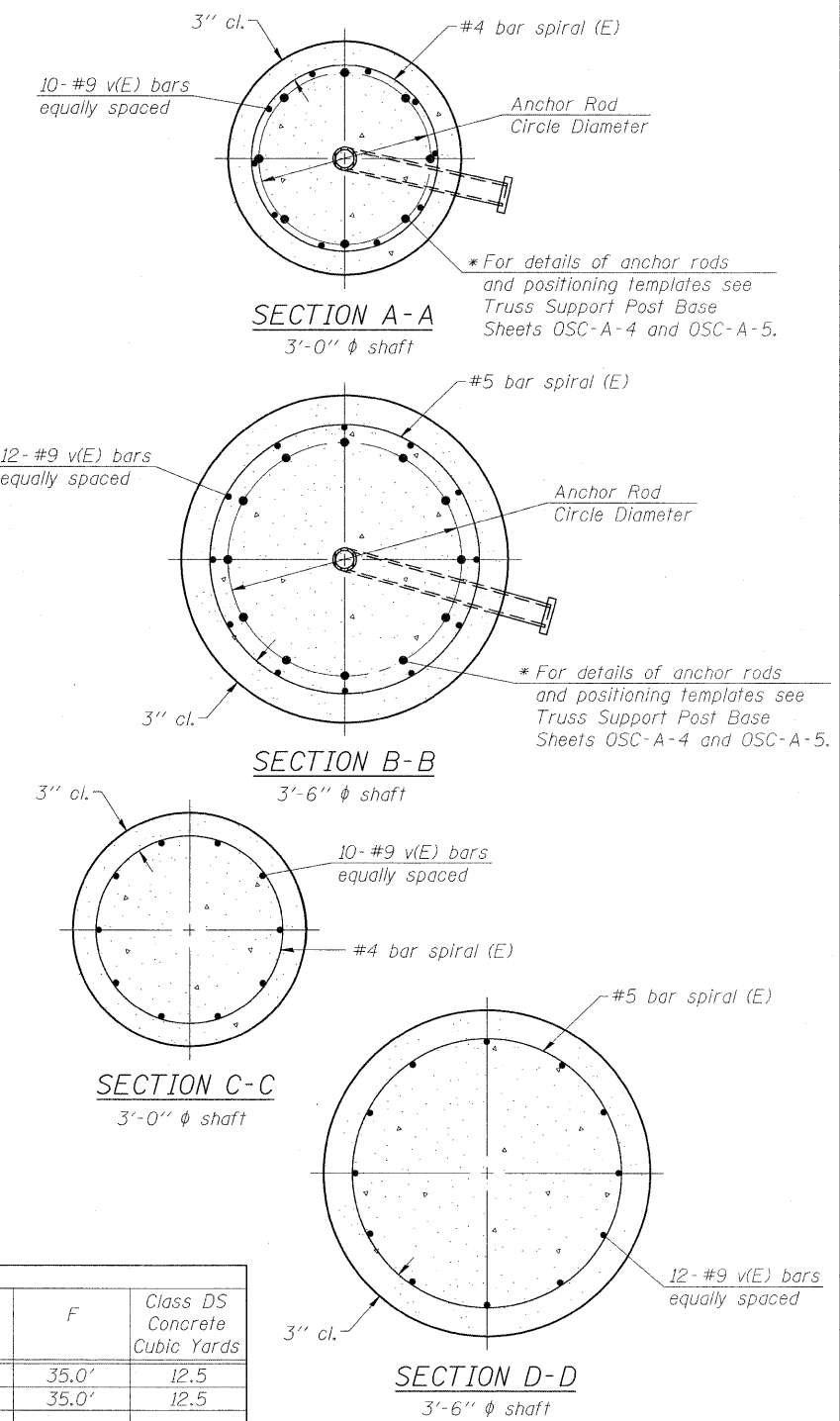
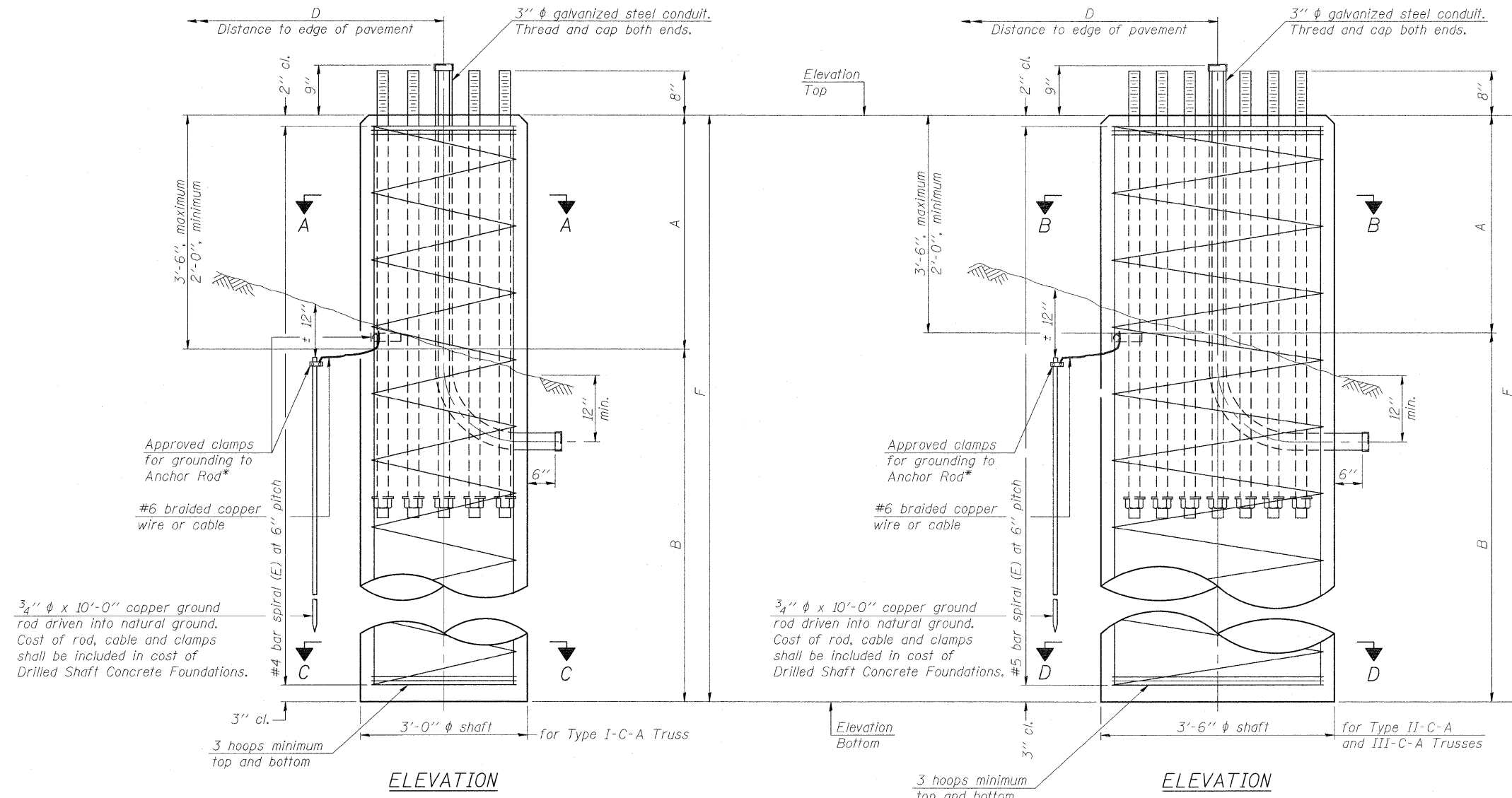
OSC-A-8 12-1-08

SHEET NO. 13  
15 SHEETS

CANTILEVER SIGN STRUCTURES HANDRAIL DETAILS ALUMINUM TRUSS & STEEL POST				
THOUVENOT, WADE & MOERCHEN, INC.		CORPORATE OFFICE 4940 Old Collinsville Road Swansea, Illinois 62226 Tel: 618.624.4488 Fax: 618.624.5688		TWM ENGINEERS • SURVEYORS • PLANNERS
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(58-64HB-1)B-1	MACON	149	108
US ROUTE 51		CONTRACT NO. 74387		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

\* Grind anchor rod to bright finish at ground clamp location before installing clamp.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**NOTES:**  
The foundation dimensions shown in the Foundation Design Table are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength ( $Q_u$ ) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown in the Foundation Data Table will be the result of site specific designs.  
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.  
No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.  
Concrete shall be placed monolithically, without construction joints.  
Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.  
A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	$Q_u$	A	B	F	Class DS Concrete Cubic Yards
7C058UB51LO17.13	1152+86	III-C-A	3.5	669.5	634.5	3.2 tsf	3.0'	32.0'	35.0'	12.5
7C058UB51RO17.11	1156+75	III-C-A	3.5	669.2	634.2	4.0 tsf	3.0'	32.0'	35.0'	12.5

Truss Type	Post Base Sheet	Maximum Cantilever Length (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (in)	"B" Depth (ft)	Anchor Rods		Anchor Rod Circle Diameter (in)
						No.	Diameter (in)	
I-C-A	OSC-A-4	25	170	3.0	16.0	8	2	22
II-C-A	OSC-A-5	30	170	3.5	17.0	12	2	30
II-C-A	OSC-A-5	30	340	3.5	21.5	12	2	30
III-C-A	OSC-A-5	35	170	3.5	19.0	12	2	30
III-C-A	OSC-A-5	35	250	3.5	22.5	12	2	30
III-C-A	OSC-A-5	35	400	3.5	26.5	12	2	30
III-C-A	OSC-A-5	40	400	3.5	32.0	12	2	30

DESIGNED MJJ  
CHECKED JTH  
DRAWN MJJ  
CHECKED JTH/ALN

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

NUMBER	REVISION	DATE

**CANTILEVER SIGN STRUCTURES  
DRILLED SHAFT  
ALUMINUM TRUSS & STEEL POST**

**THOUVENOT, WADE & MOERCHEN, INC.**  
CORPORATE OFFICE  
4940 Old Collinsville Road  
Swansea, Illinois 62226  
Tel: 618.624.4488  
Fax: 618.624.6888  
SWANSEA • WATERLOO • EDWARDSVILLE • CARBONDALE • ST. CHARLES

**TWM**  
ENGINEERS • SURVEYORS • PLANNERS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(58-64HB-1)B-1	MACON	149	109
US ROUTE 51		CONTRACT NO. 74387		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

SHEET NO. 14  
15 SHEETS

OSC-A-9 12-1-08

Plotted by: mloast 3/12/2010 4:29:00 PM



# SOIL BORING LOG

Date 3/4/10

ROUTE FAP 322 (US 51) DESCRIPTION Overhead Sign Truss Foundation LOGGED BY E. Sandschafer

SECTION (58-64BH-1)B-1 LOCATION Sec 23 - SW 1/4, Sec 27 - NE 1/4, SEC., TWP. 17 N, RNG. 2 E, 3 PM

COUNTY Macon DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. #7C058UB51R017.11  
 Station 1156+50  
 BORING NO. OH2 (NE corner)  
 Station 1156+34  
 Offset 61.50ft Rt  
 Ground Surface Elev. 668.73 ft

DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)
0				0	7	2.4	14
1				1	10	B	
2				2	5		
3	4	+4.5	18	3	7	4.4	10
4	7	PP		4	10	B	
5				5	4		
6	15			6	7	3.0	22
7	20	+4.5	7	7	13	B	
8	12	PP		8			
9				9			
10	6			10			
11	10	4.1	9	11			
12	12	B		12			
13				13			
14	18			14			
15	9	+4.5	12	15			
16	9	PP		16			
17				17			
18	4			18			
19	6	3.9	14	19			
20	11	B		20			
21				21			
22	8			22			
23	10	+4.5	9	23			
24	10	PP		24			
25				25			
26	6			26			
27	8	4.3	15	27			
28	12	B		28			
29				29			
30	6			30			
31				31			
32				32			
33				33			
34				34			
35				35			
36				36			
37				37			
38				38			
39				39			
40				40			

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

Date 3/4/10

ROUTE FAP 322 (US 51) DESCRIPTION Overhead Sign Truss Foundation LOGGED BY E. Sandschafer

SECTION (58-64BH-1)B-1 LOCATION Sec 23 - SW 1/4, Sec 27 - NE 1/4, SEC., TWP. 17 N, RNG. 2 E, 3 PM

COUNTY Macon DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. #7C058UB51L017.13  
 Station 1153+00  
 BORING NO. OH1 (SW corner)  
 Station 1153+33  
 Offset 50.40ft Lt  
 Ground Surface Elev. 668.78 ft

DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)
0				0	7	3.9	12
1				1	7	B	
2				2			
3				3			
4				4	3		
5				5	5	1.3	13
6				6	8	B	
7				7			
8				8	6		
9				9	6	3.7	10
10				10	8	B	
11				11			
12				12			
13				13			
14				14			
15				15			
16				16			
17				17			
18				18			
19				19			
20				20			
21				21			
22				22			
23				23			
24				24			
25				25			
26				26			
27				27			
28				28			
29				29			
30				30			
31				31			
32				32			
33				33			
34				34			
35				35			
36				36			
37				37			
38				38			
39				39			
40				40			

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)

## CANTILEVER SIGN STRUCTURES BORING LOGS

THOUVENOT, WADE & MOERCHEN, INC.  
 CORPORATE OFFICE  
 4940 Old Collinsville Road  
 Swansea, Illinois 62226  
 Tel: 618.624.4488  
 Fax: 618.624.6688  
 SWANSEA • WATERLOO • EDWARDSVILLE • CARBONDALE • ST. CHARLES



DESIGNED -	200
CHECKED MJJ	EXAMINED
DRAWN JTH	ENGINEER OF BRIDGE DESIGN
CHECKED MJJ/ALN	PASSED
	ENGINEER OF BRIDGES AND STRUCTURES

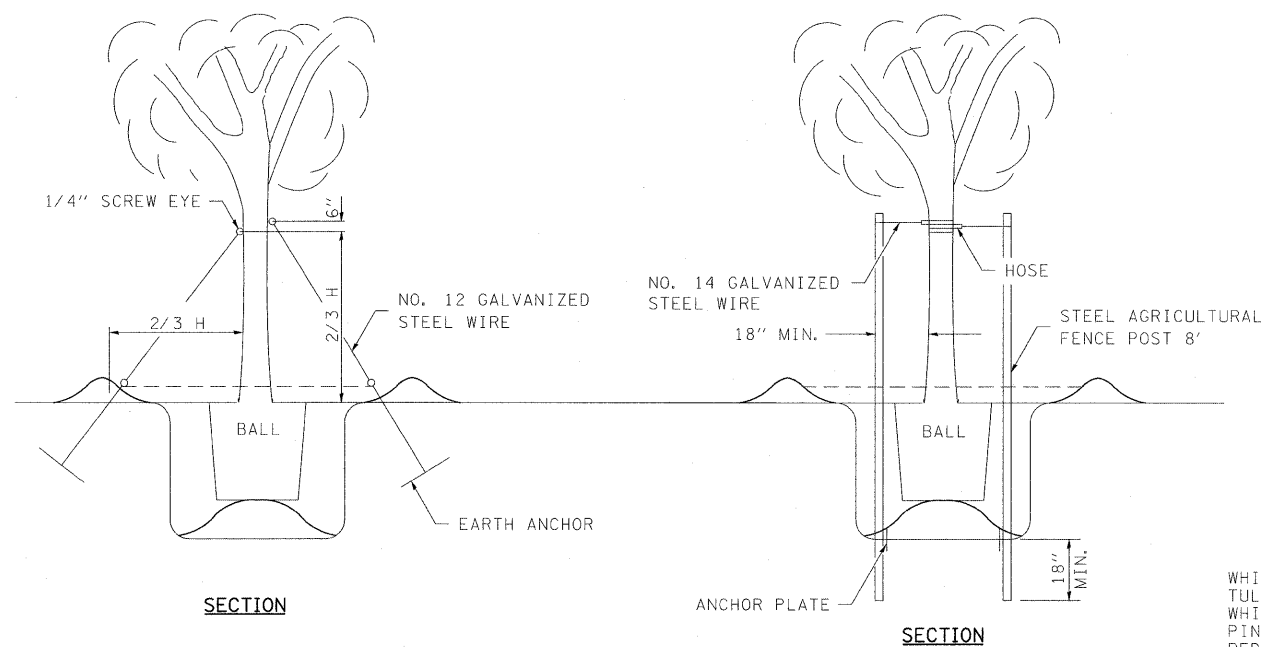
12-1-08

SHEET NO. 15	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	322	(58-64HB-1)B-1	MACON	149	110
15 SHEETS	US ROUTE 51		CONTRACT NO. 74387		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

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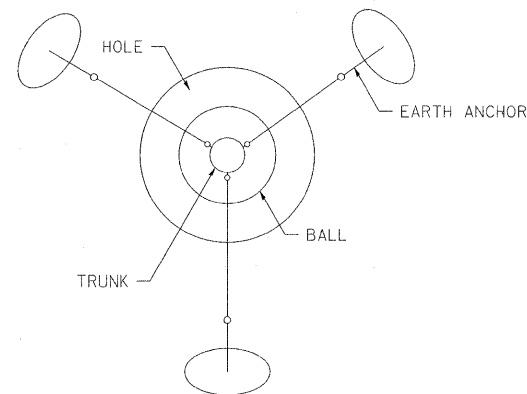


SEE SECTION 253 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION FOR INFORMATION NOT SHOWN.



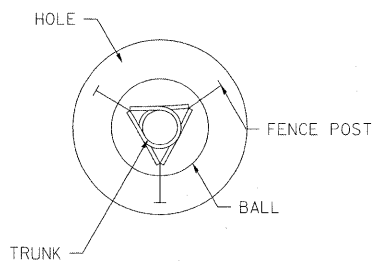
SECTION

SECTION



PLAN

TREES OVER 4 1/2" IN CALIPER

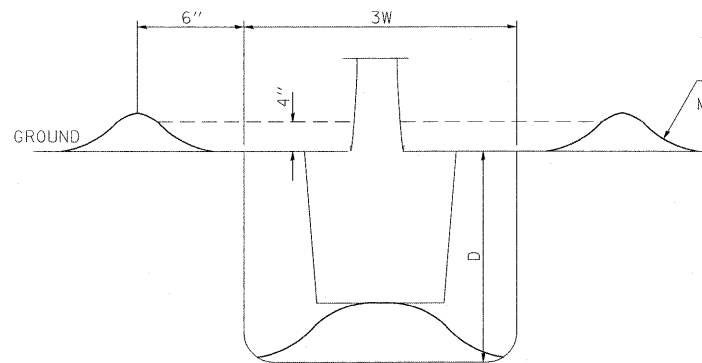


PLAN

TREES OVER 8' TALL AND 4 1/2" IN CALIPER AND ALL "A" & "D" CODED TREES\*

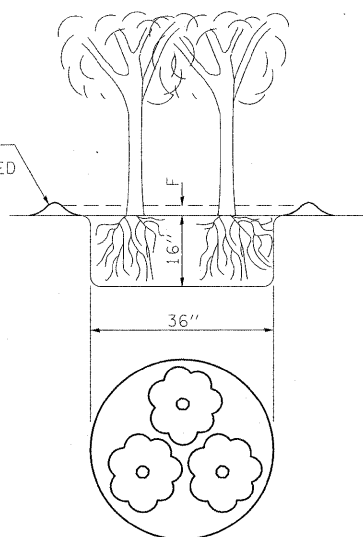
\* OVER 4' TALL

BRACING DETAIL



SINGLE PLANT

PLANTING DETAIL MULCH AND WATER RING



GROUPED PLANTS

INFORMATION ONLY

COMMON NAME	LATIN NAME
WHITE PINE	Pinus strobus
TULIP POPLAR	Liriodendron tulipifera
WHITE OAK	Quercus alba
PIN OAK	Quercus palustris
RED OAK	Quercus rubra
SUGAR MAPLE	Acer saccharum
RED MAPLE	Acer Rubrum
SWEET GUM	Liquidambar styraciflua
DOGWOOD	Cornus florida
ASH	Fraxinus americana (Sps.)
CRAB APPLE	Malus sps.
RIVER BIRCH	Betula nigra
WITCH HAZEL	Hamamelis virginiana
RED BUD	Cercis canadensis
BRADFORD PEAR	Pyrus calleryana bradford
SHAGBARK HICKORY	Carya ovata
PINK FLOWERING DOGWOOD	Cornus florida rubra
WHITE CRAB APPLE	Malus snowdrift
NORWAY SPRUCE	Picea abies
TALL HEDGE (SHRUB)	Rhamnus fragula "columnaris"

SPACE LIMITATIONS IN THE ABBREVIATED PAY ITEM DESCRIPTION PRECLUDED SHOWING THE SIZES, YEARS OF GROWTH, AND OTHER CHARACTERISTICS OF TREES, SHRUBS, EVERGREENS AND VINES. THEREFORE, THESE CHARACTERISTICS HAVE BEEN CODED AS SHOWN FOR EACH CATEGORY OF PLANTS.

AN EXAMPLE OF THE APPLICATION OF PREFIX AND CODE IS:

CODE NUMBER ITEM (long description - short description)  
A1002008 ACER SACCHARINUM 08 - ACER SACCINUM 08

A - IN THE CODE NUMBER INDICATES THE PREFIX  
08 - IN THE ITEM DESCRIPTION IS FOR THE SIZE OF TREE (IN THIS CASE 2 - 2 1/2 INCH DIAMETER)

SHADE TREES (PREFIX "A")

CODE	SIZE INCH DIAMETER	
01	1 1/4 - 1 1/2	
02	1 1/4 - 1 1/2	BB
03	1 1/2 - 1 3/4	
04	1 1/2 - 1 3/4	BB
05	1 3/4 - 2	
06	1 3/4 - 2	BB
07	2 - 2 1/2	
08	2 - 2 1/2	BB
09	2 1/2 - 3	
10	2 1/2 - 3	BB
11	3 - 3 1/2	
12	3 - 3 1/2	BB
13	3 1/2 - 4	
14	3 1/2 - 4	BB
15	4 - 4 1/2	
16	4 - 4 1/2	BB
17	4 1/2 - 5	
18	4 1/2 - 5	BB
19	5 - 5 1/2	
20	5 - 5 1/2	BB
21	5 1/2 - 6	
22	5 1/2 - 6	BB
23	6 - 7	
24	6 - 7	BB

NOTES: SIZES ARE BARE ROOT EXCEPT WHEN FOLLOWED BY "BB" WHICH INDICATE BALL AND BURLAP.

EVERGREENS (PREFIX "D")

CODE	SIZE HEIGHT IN FEET	
01	1 1/2 - 2	BB
02	2 - 2 1/2	BB
03	2 1/2 - 3	BB
04	3 - 3 1/2	BB
05	3 1/2 - 4	BB
06	4 - 5	BB
07	5 - 6	BB
08	6 - 7	BB
09	7 - 8	BB
10	8 - 9	BB

BB = BALL AND BURLAP OR IN POTS

VINES/GROUNDCOVERS (PREFIX "E")

CODE	SIZE	
01	1 YR. # 1	
02	1 YR. # 1	BB
03	2 YR. # 1	
04	2 YR. # 1	BB
05	3 YR. # 1	
06	3 YR. # 1	BB
07	4 YR. # 1	
08	4 YR. # 1	BB
09	5 YR. # 1	
10	5 YR. # 1	BB

BB = BALL AND BURLAP OR IN POTS

INTERMEDIATE TREES (PREFIX "B")

CODE	SIZE HEIGHT IN FEET	
01	1 1/2 - 2	BB
02	1 1/2 - 2	BB
03	2 - 3	BB
04	2 - 3	BB
05	3 - 4	BB
06	3 - 4	BB
07	4 - 5	BB
08	4 - 5	BB
09	5 - 6	BB
10	5 - 6	BB
11	6 - 7	BB
12	6 - 7	BB
13	7 - 8	BB
14	7 - 8	BB
15	8 - 9	BB
16	8 - 9	BB
17	9 - 10	BB
18	9 - 10	BB
19	10 - 12	BB
20	10 - 12	BB
21	12 - 14	BB
22	12 - 14	BB
23	14 - 16	BB
24	14 - 16	BB

NOTES: SIZES ARE BARE ROOT EXCEPT WHEN FOLLOWED BY "BB" WHICH INDICATE BALL AND BURLAP.

SEEDLING TREES (PREFIX "F")

CODE	SIZE YEARS OF GROWTH & TIMES TRANSPLANTED "T"	
01	1 YR.	
02	2 YR.	
03	3 YR. T	
04	2 YR. T	
05	2 - 3'	BR
06	3 - 4'	BR
07	4 - 6'	BR
08	6 - 8'	BR
09	12 - 18"	
10	18 - 24"	

BR = "WHIPS" OR "LINERS"

SEEDLING SHRUBS (PREFIX "G")

CODE	SIZE CROWN DIAMETER IN INCHES, YEARS OF GROWTH & TIMES TRANSPLANTED "T"	
01	1/8 - 3/16	
02	3/16 - 1/4	
03	1/4 - 3/8	
04	1 YR. T	
05	1/2 - 3/4	
06	2 YR. T	

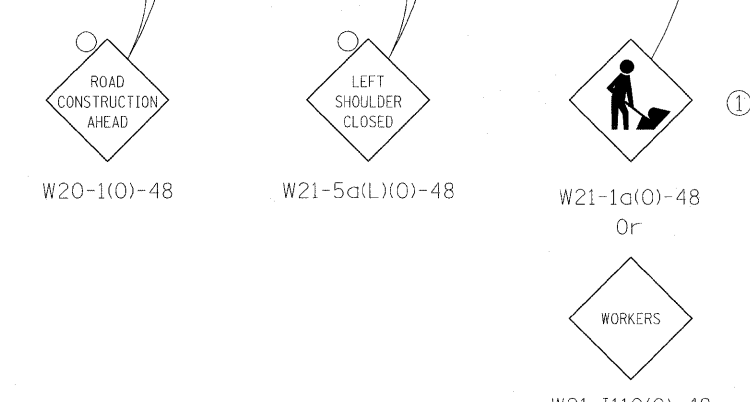
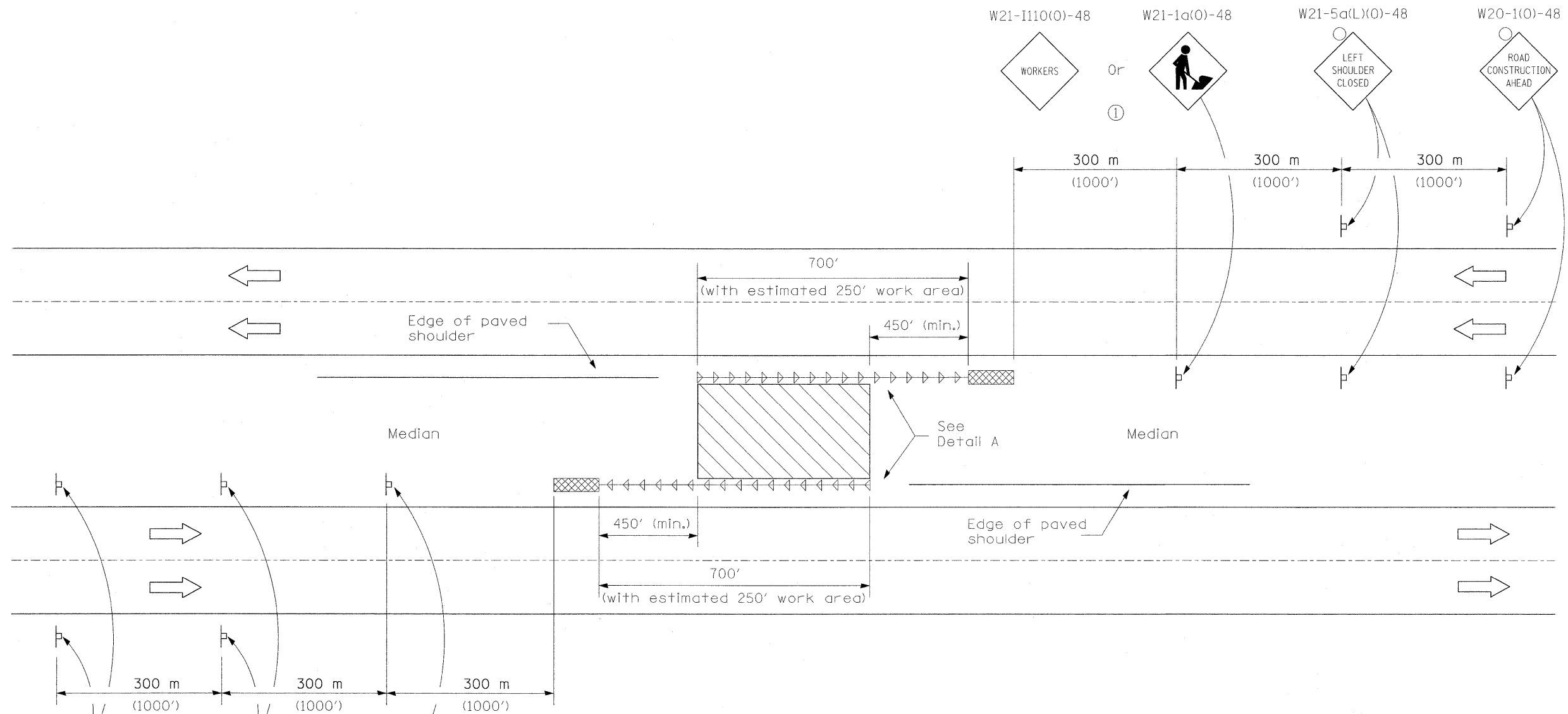
SHRUBS (PREFIX "C")

CODE	SIZE HEIGHT IN FEET	
01	1 1/2 - 2	
02	1 1/2 - 2	BB
03	2 - 3	
04	2 - 3	BB
05	3 - 4	
06	3 - 4	BB
07	4 - 5	
08	4 - 5	BB
09	5 - 6	
10	5 - 6	BB
11	6 - 7	
12	6 - 7	BB

NOTES: SIZES ARE BARE ROOT EXCEPT WHEN FOLLOWED BY "BB" WHICH INDICATE BALL AND BURLAP.

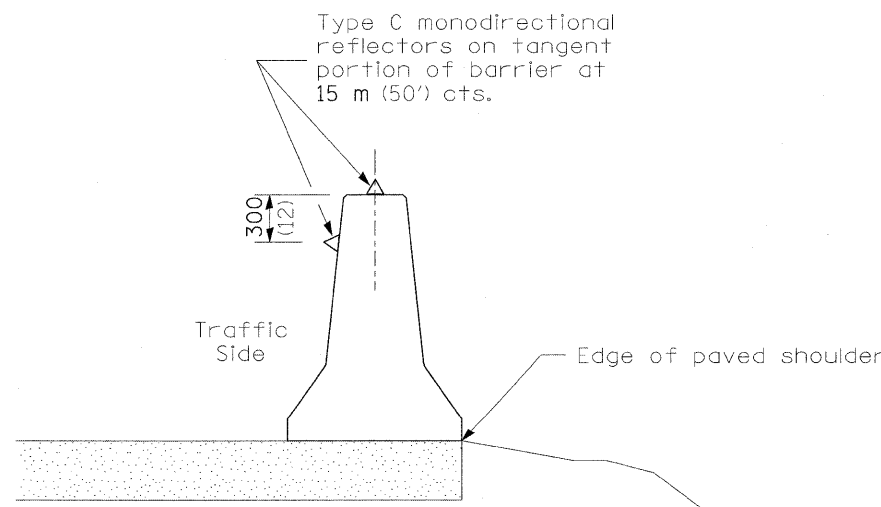
SEEDLING EVERGREENS (PREFIX "H")

CODE	SIZE YEARS OF GROWTH & TIMES TRANSPLANTED "T"	
01	1 YR.	
02	2 YR.	
03	2 YR. T	
04	3 YR.	
05	3 YR. T	



**SYMBOLS**

- Work area
- Sign
- Impact attenuator
- Temporary Concrete Barrier with type C monodirectional reflector
- Flashing light



**DETAIL A**  
(BARRIER WALL REFLECTORS)

**GENERAL NOTES**

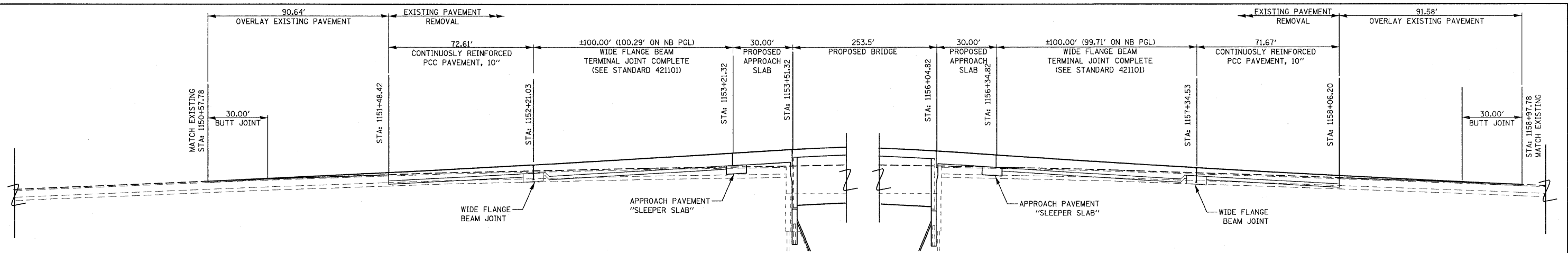
This Standard is used where any vehicles, equipment, workers or their activities will encroach on the shoulder where temporary concrete barrier is utilized.

① When vehicles, equipment, workers or their activities encroach in the area 4.5 m (15') to the edge of pavement.

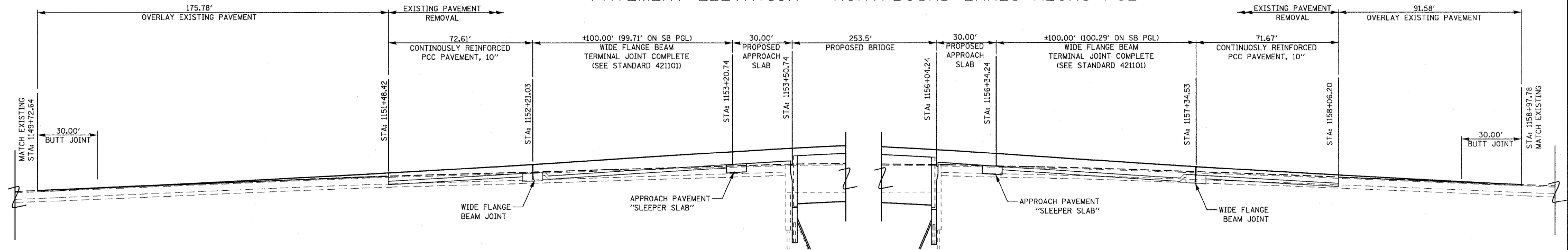
All dimensions are in millimeters (inches) unless otherwise shown.

**SHOULDER CLOSURE, MULTILANE,  
MEDIAN PIER CONSTRUCTION  
WITH BARRIER**

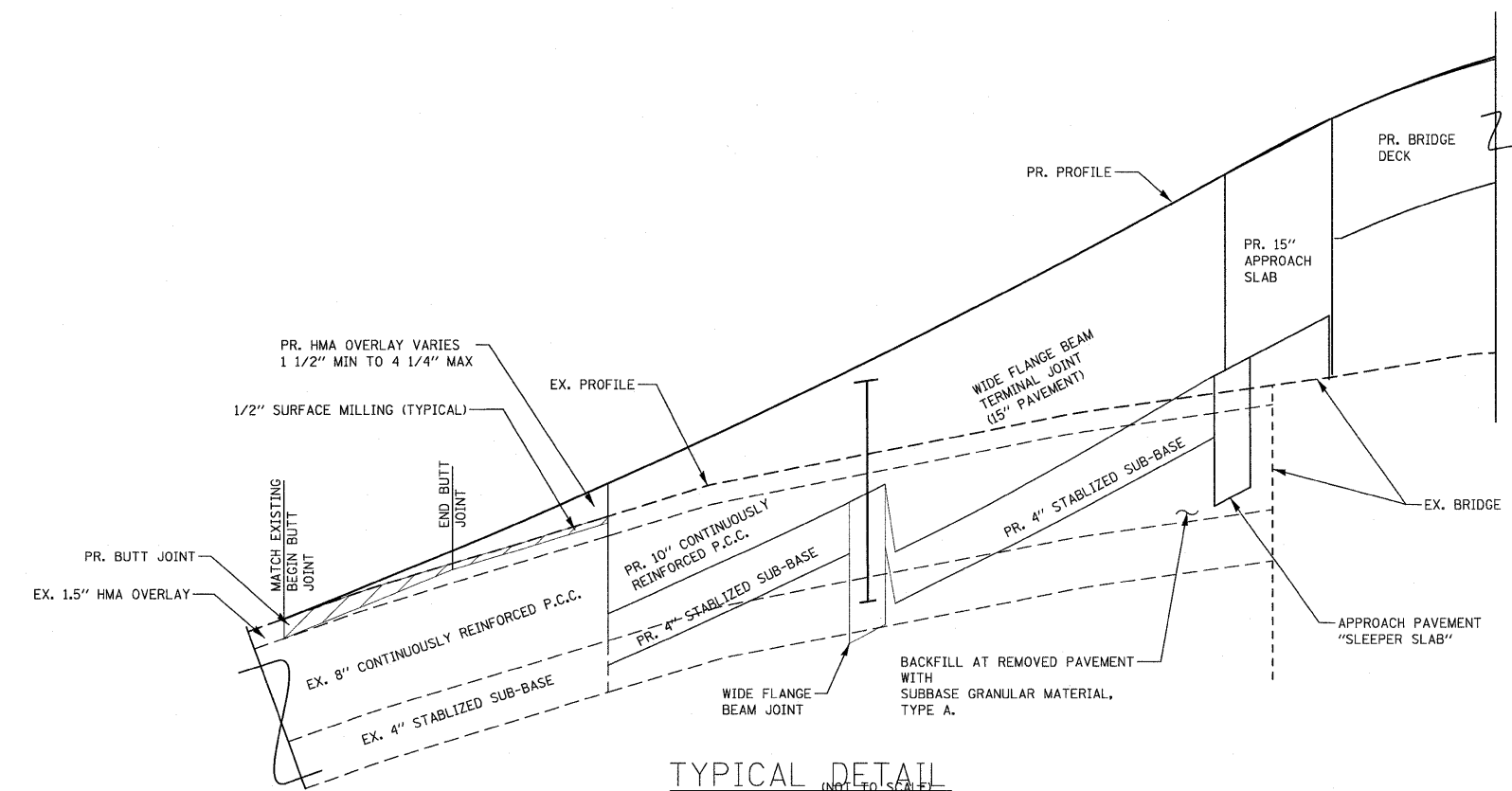
**STANDARD 701101-SPECIAL**



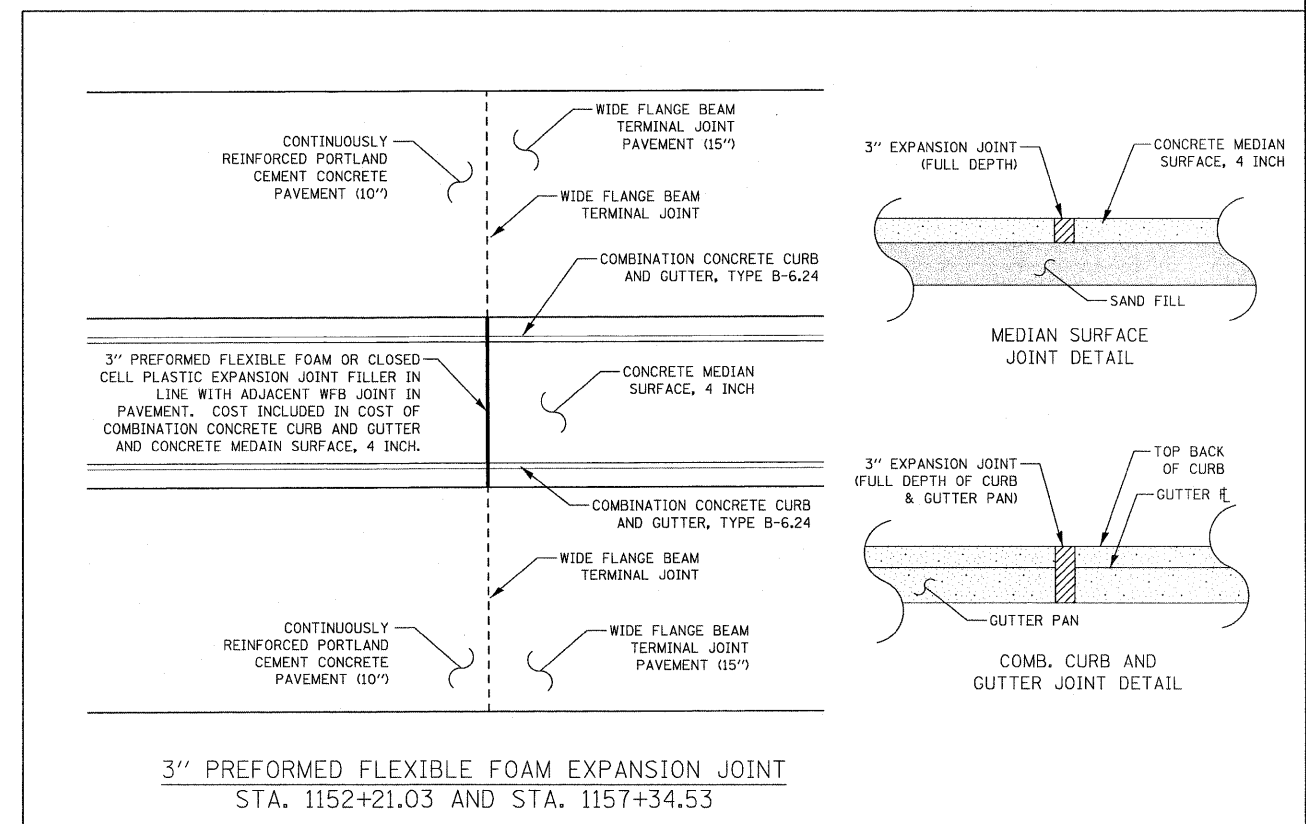
PAVEMENT ELEVATION - NORTHBOUND LANES ALONG PGL



PAVEMENT ELEVATION - SOUTHBOUND LANES ALONG PGL



TYPICAL DETAIL  
NOT TO SCALE

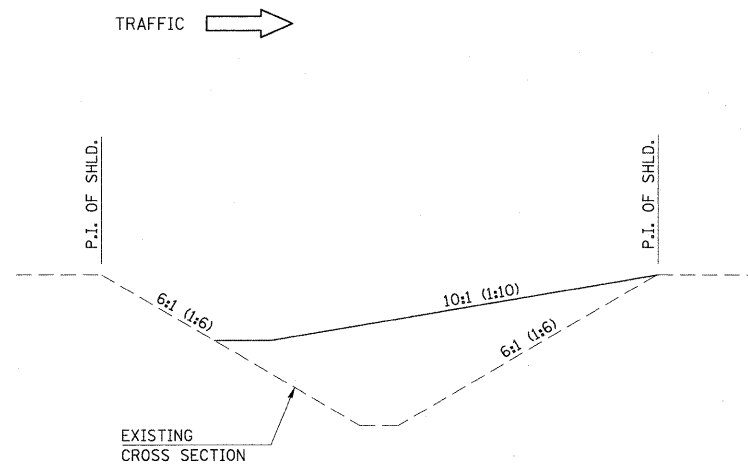
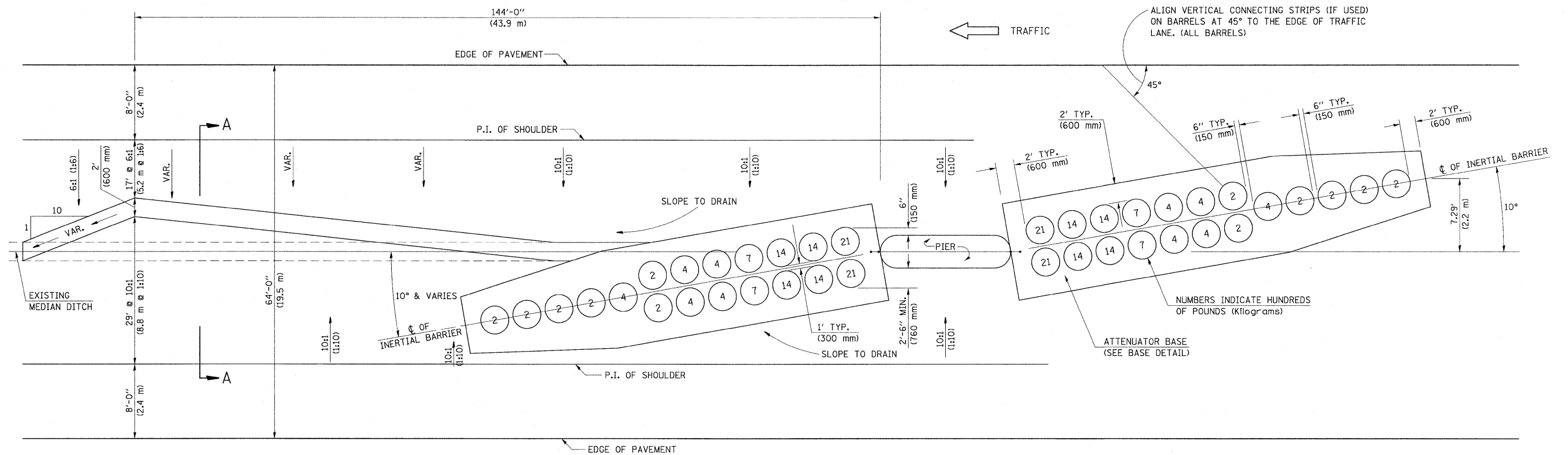


3" PREFORMED FLEXIBLE FOAM EXPANSION JOINT  
STA. 1152+21.03 AND STA. 1157+34.53

FILE NAME = P:\060276\US 51 over I-72\4-CADD\4.2-TR	USER NAME = jheger	DESIGNED - MLS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MISCELLANEOUS DETAIL - PAVEMENT LAYOUT</b>	F.A.P. RTE. 322	SECTION (58-64HB-1)B-1	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 113	
PLOT SCALE = 420.0000 / 1 in.	CHECKED - SJK	REVISED -	REVISED -			US ROUTE 51		CONTRACT NO. 74387			
PLOT DATE = 3/15/2010	DATE -	REVISED -	REVISED -			SCALE: N.T.S.		SHEET NO. 1 OF 2 SHEETS		STA. TO STA.	
						FED. ROAD DIST. NO. 7   ILLINOIS   FED. AID PROJECT					

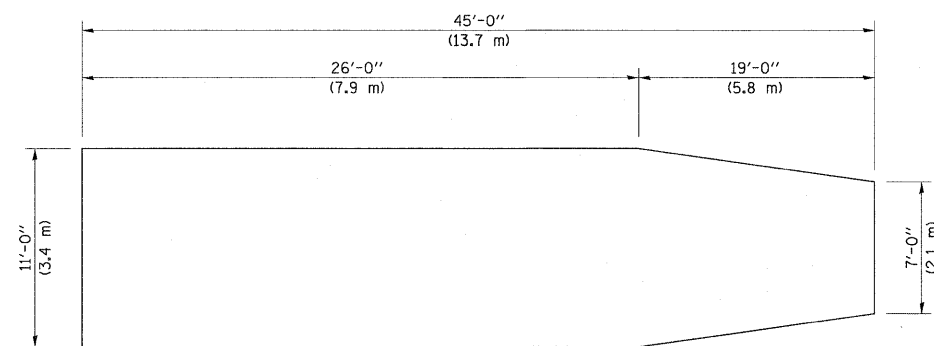
# DETAIL OF IMPACT ATTENUATORS (NON-REDIRECTIVE) TEST LEVEL 3

70 MPH (110 km/h) DESIGN - 64' (19.5 m) MEDIAN



SECTION A-A  
GRADING AND SHAPING DETAIL

ALL DIMENSIONS ARE IN FEET (METERS)  
UNLESS OTHERWISE SHOWN.



BASE DETAIL

## GENERAL NOTES

- ALL 10:1 (1:10) SLOPES SHOWN ON THIS DETAIL SHALL BE CONSTRUCTED 10:1 (1:10) OR FLATTER.
- THE SLOPES AS SHOWN ON THIS DETAIL SHALL APPLY TO BOTH ENDS OF THE BRIDGE PIERS.
- THE LENGTH X WIDTH OF MODULE LAYOUT IS 41.0' x 7.0' : 19 MODULES - 14,400 LBS.  
(12.5 m x 2.1 m : 19 MODULES - 6532 kg).
- IN AREAS OF 10:1 (1:10) SLOPES PRECEDING THE ATTENUATOR IN THE MEDIAN INSTALLATION, FOUR OR MORE WOOD POSTS SHALL BE PLACED AT 5' (1.5 m) INTERVALS IN THE MEDIAN  $\phi$ . SEE SPECIAL PROVISIONS.
- ENGINEER TO LAYOUT ATTENUATOR PAD TO AVOID EXISTING JUNCTION BOX.

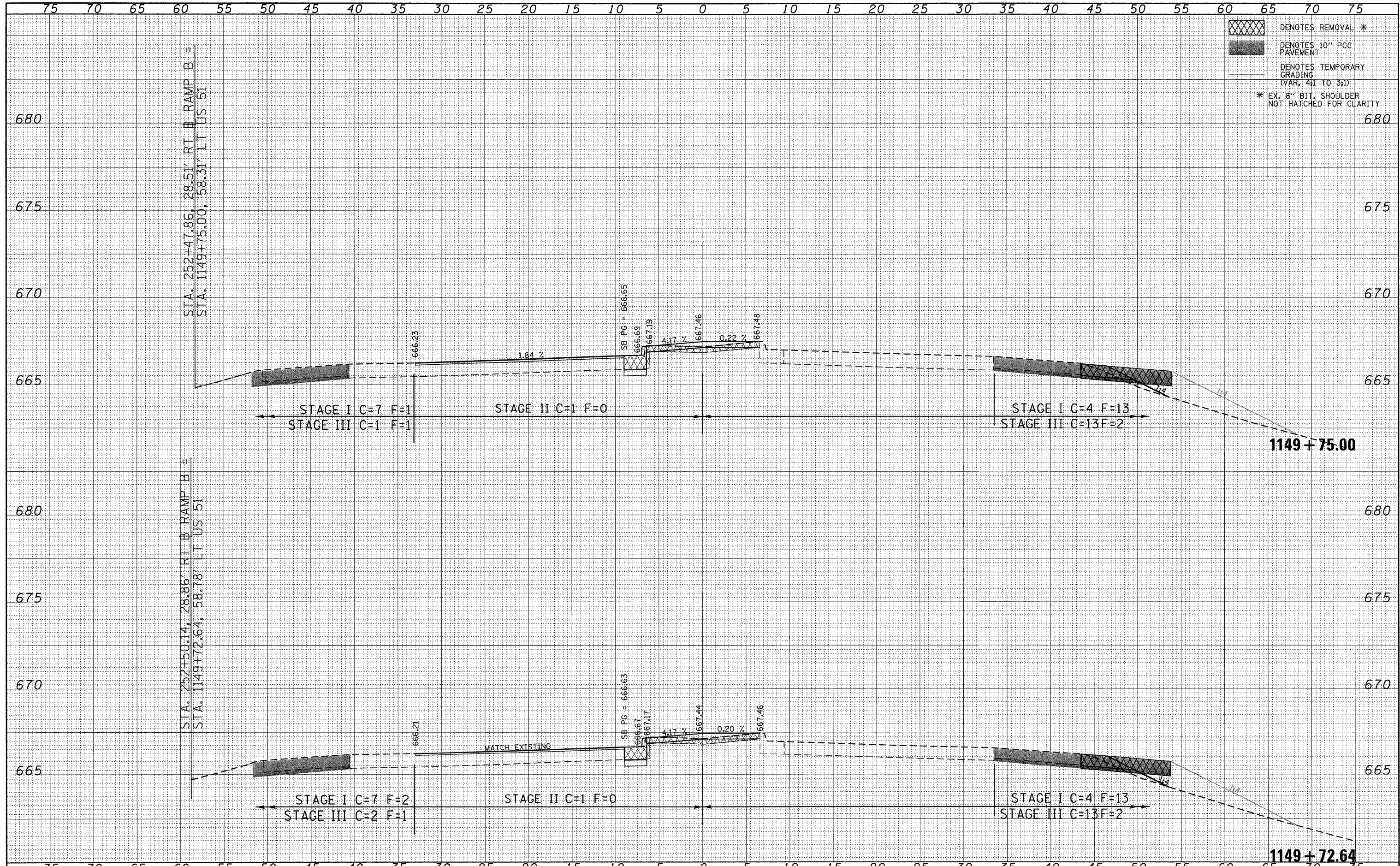
FILE NAME =	USER NAME = jheger	DESIGNED - MLS	REVISED - ITEMS ADDED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MISCELLANEOUS DETAILS - IMPACT ATTENUATORS (NON-REDIRECTIVE) TEST LEVEL 3</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P:\080276\US 51 over I-72\4-CADD\4.2-TR	SHEETS\0774387-sht-dtl-002-attenuator.dgn	DRAWN -	REVISED -			322	(58-64HB-1)B-1	MACON	149	114
PLOT SCALE = 20.0000' / in.	CHECKED - SJK	REVISED -	REVISED -			US ROUTE 51		CONTRACT NO. 74387		
PLOT DATE = 3/15/2010	DATE -	REVISED -	REVISED -			SCALE: 1:50	SHEET NO. 2 OF 2 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT	





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

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

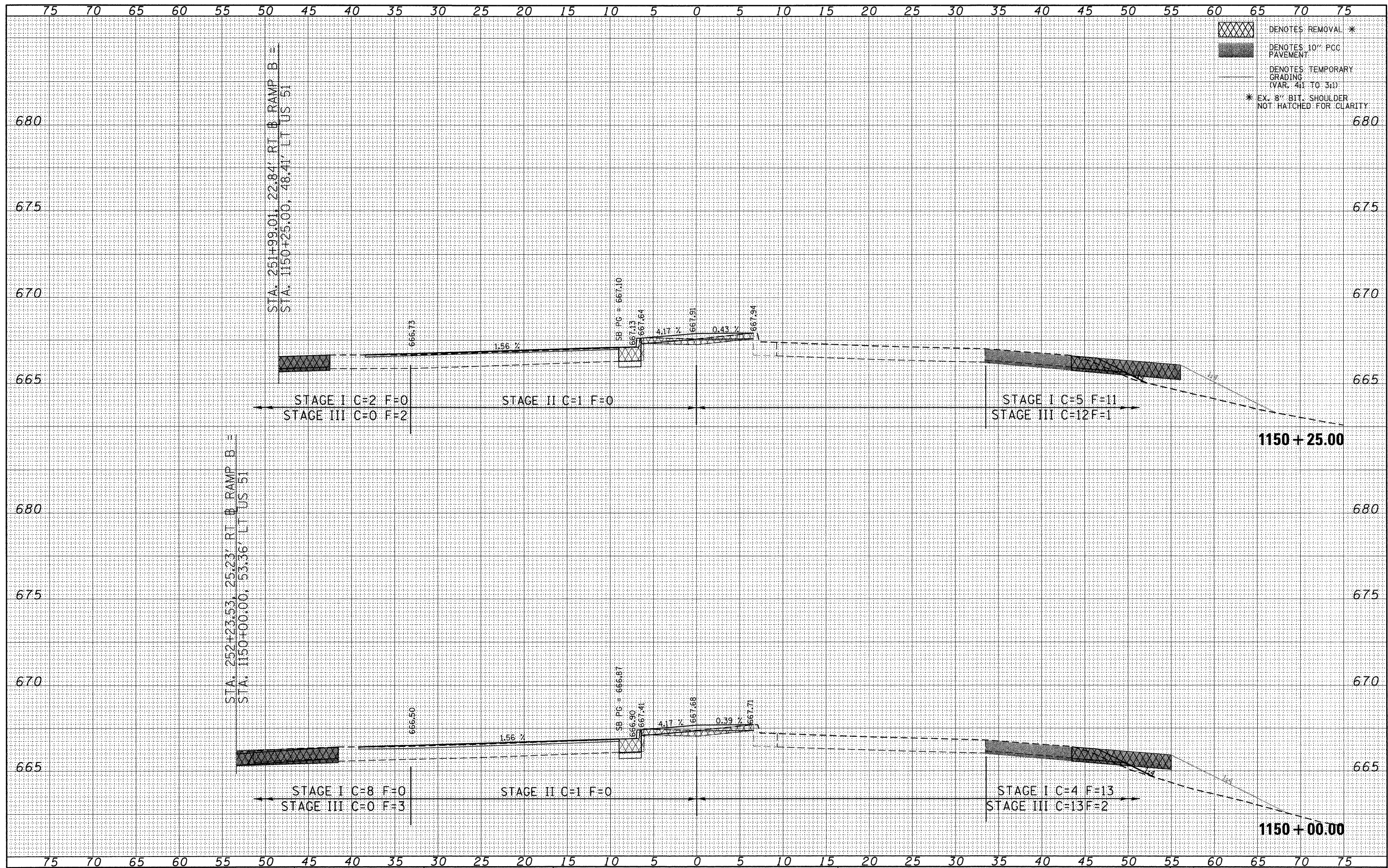


FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 51 CROSS SECTIONS</b>			F.A.P. RTE. 322	SECTION (58-64HB-1B-1)	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 116
PLOT SCALE = 5.0000' / in.	PLOT DATE = 3/12/2010	DRAWN - JWS	REVISED -		SCALE: 1" = 5"	SHEET NO. 2 OF 35 SHEETS	STA. 1149+72.64 TO STA. 1149+75.00	CONTRACT NO. 74387		ILLINOIS FED. AID PROJECT		
		CHECKED - SJK	REVISED -									
		DATE - 3/12/2010	REVISED -									



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

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

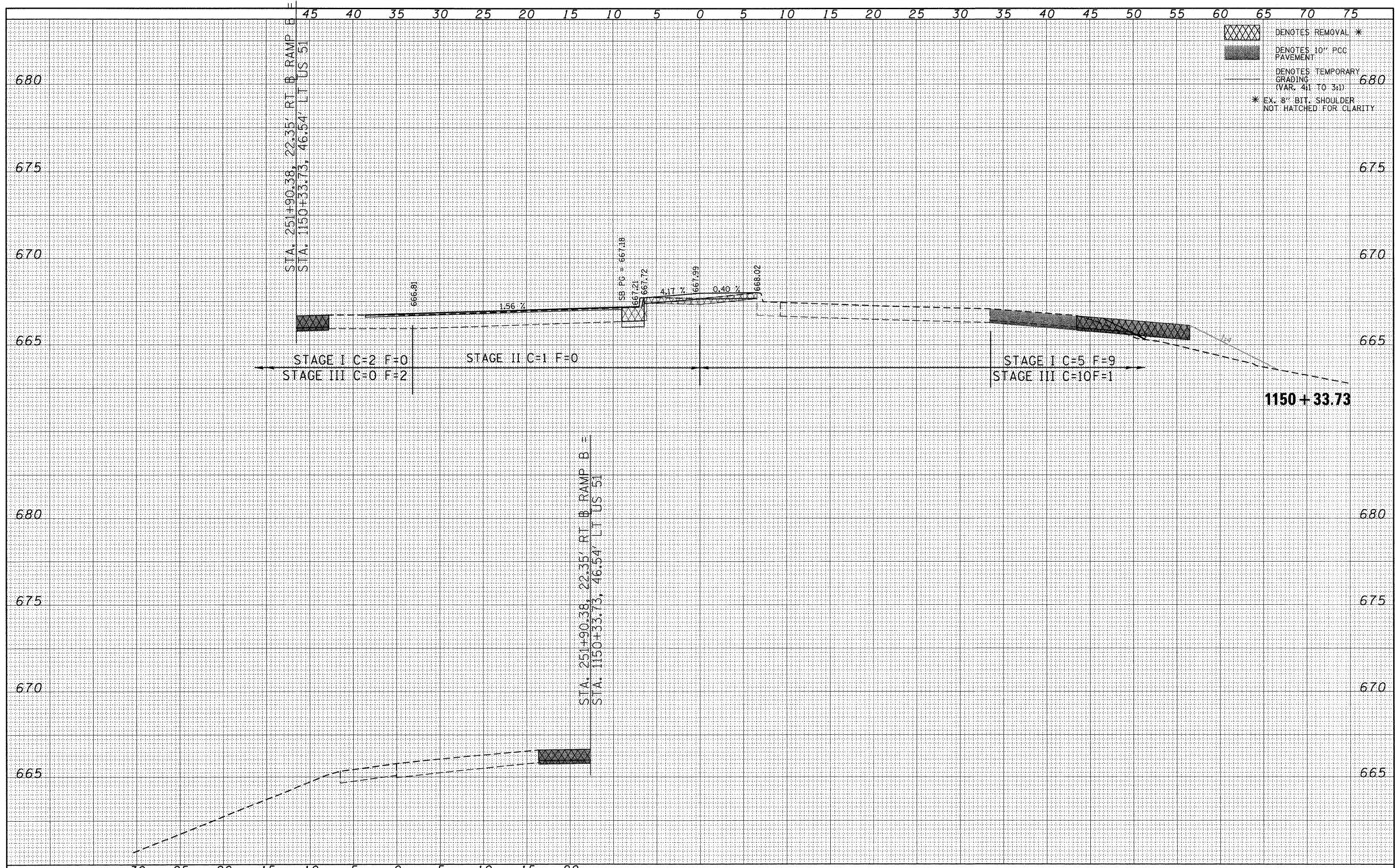


FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 51 CROSS SECTIONS</b>		F.A.P. RTE. 322	SECTION (58-64HB-1B-1)	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 117	
PLOT SCALE = 5.0000' / 1"	CHECKED - SJK	REVISIED -	REVISIED -		SCALE: 1" = 5'	SHEET NO. 3 OF 35 SHEETS	STA. 1150+00.00 TO STA. 1150+25.00	CONTRACT NO. 74387		ILLINOIS FED. AID PROJECT		
PLOT DATE = 3/12/2010	DATE - 3/12/2010	REVISIED -	REVISIED -									



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

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



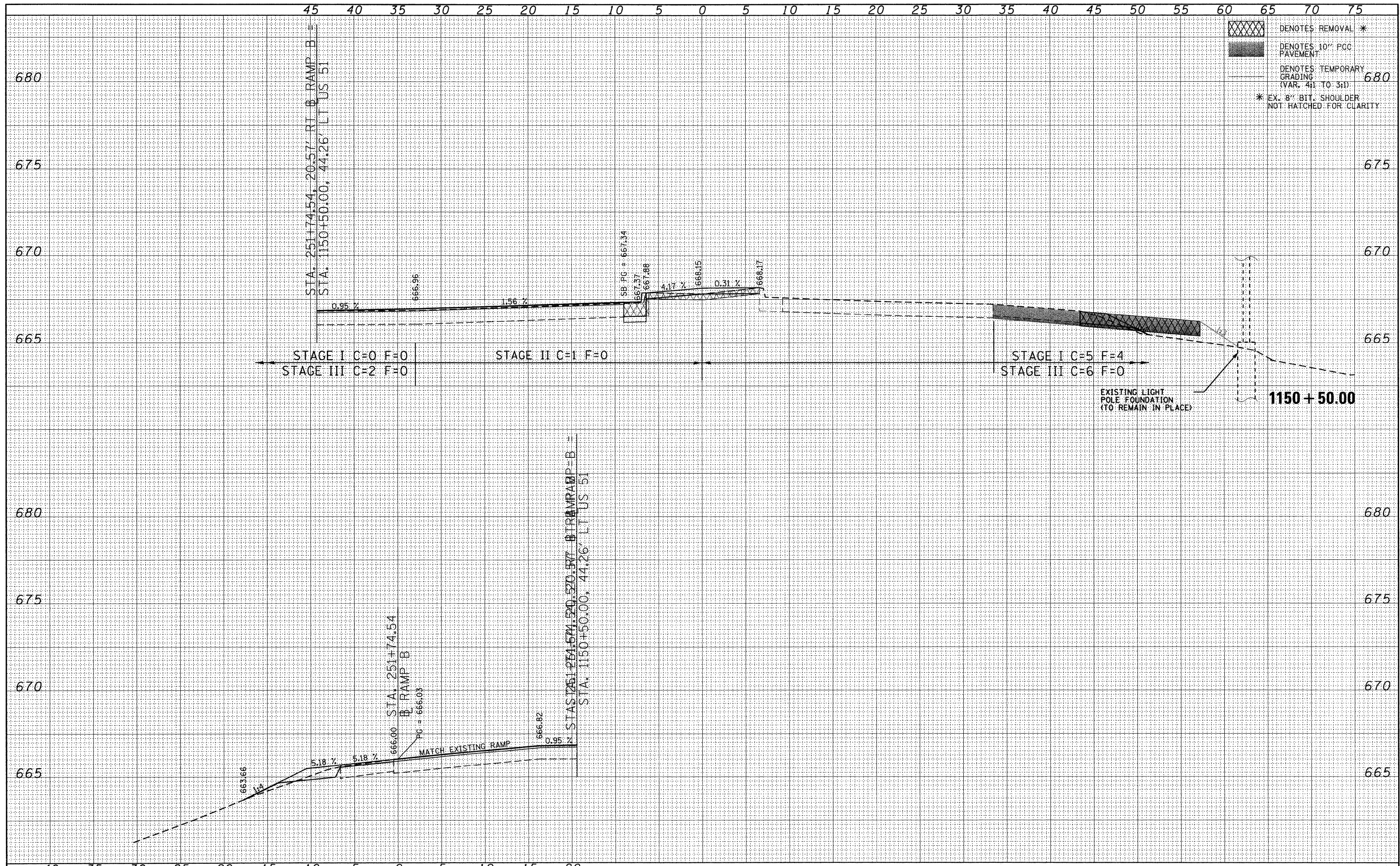
DENOTES REMOVAL \*  
 DENOTES 10" PCC PAVEMENT  
 DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)  
 \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>US 51 CROSS SECTIONS</b>		F.A.P. RTE. 322	SECTION (58-64HB-1B-1)	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 118	
PLOT SCALE = 5.0000' / in.	PLotted DATE = 3/12/2010	DRAWN - JWS	REVISED -		SCALE: 1" = 5'	SHEET NO. 4 OF 35 SHEETS	STA. 1150+33.73 TO STA. 1150+33.73	CONTRACT NO. 74387		ILLINOIS FED. AID PROJECT		
		CHECKED - SJK	REVISED -									
		DATE - 3/12/2010	REVISED -									



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

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



[XXXX] DENOTES REMOVAL \*  
 [Hatched] DENOTES 10" PCC PAVEMENT  
 [Dashed] DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)  
 \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -
	D774387-shr-xsht.dgn	DRAWN - JWS	REVISED -
	PLOT SCALE = 5.0000' / in.	CHECKED - SJK	REVISED -
	PLOT DATE = 3/12/2010	DATE - 3/12/2010	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

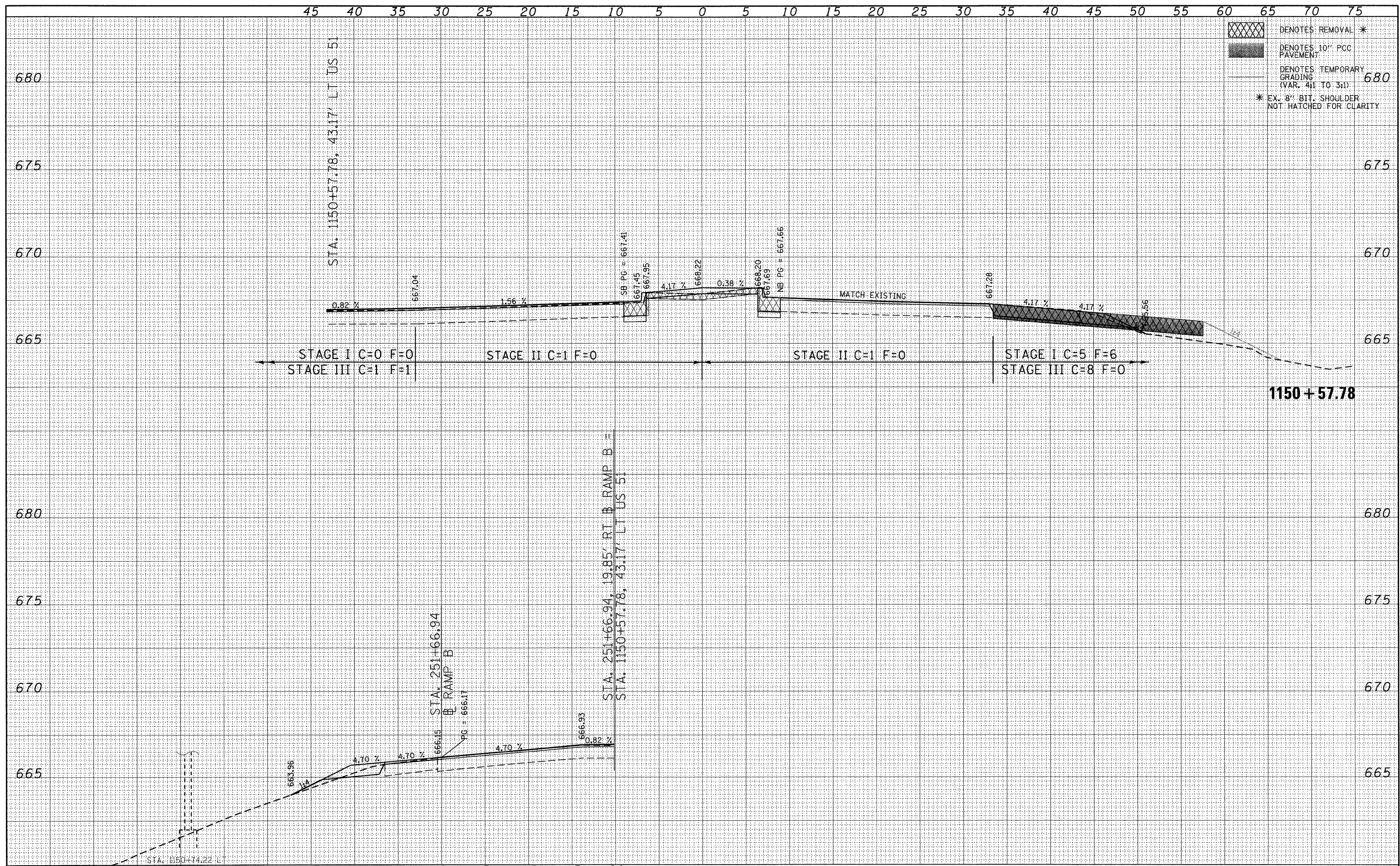
CROSS SECTIONS	
US 51 CROSS SECTIONS	
SCALE: 1" = 5'	SHEET NO. 5 OF 35 SHEETS
STA. 1150+50.00 TO STA. 1150+50.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(58-64HB-1B-1)	MACON	149	119
CONTRACT NO. 74387			ILLINOIS FED. AID PROJECT	



DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED \_\_\_\_\_ PLOTTED \_\_\_\_\_  
 FINAL SURVEY TEMPLATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED \_\_\_\_\_ PLOTTED \_\_\_\_\_  
 ORIGINAL SURVEY TEMPLATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_



DENOTES REMOVAL \*  
 DENOTES 10" PCC PAVEMENT  
 DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)  
 \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

FILE NAME =	USER NAME = jheger	DESIGNED - JWS	REVISED -
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PLOT SCALE = 5.0000' / 1" =		CHECKED - SJK	REVISED -
PLOT DATE = 3/12/2010		DATE - 3/12/2010	REVISED -

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

**CROSS SECTIONS**  
**US 51 CROSS SECTIONS**

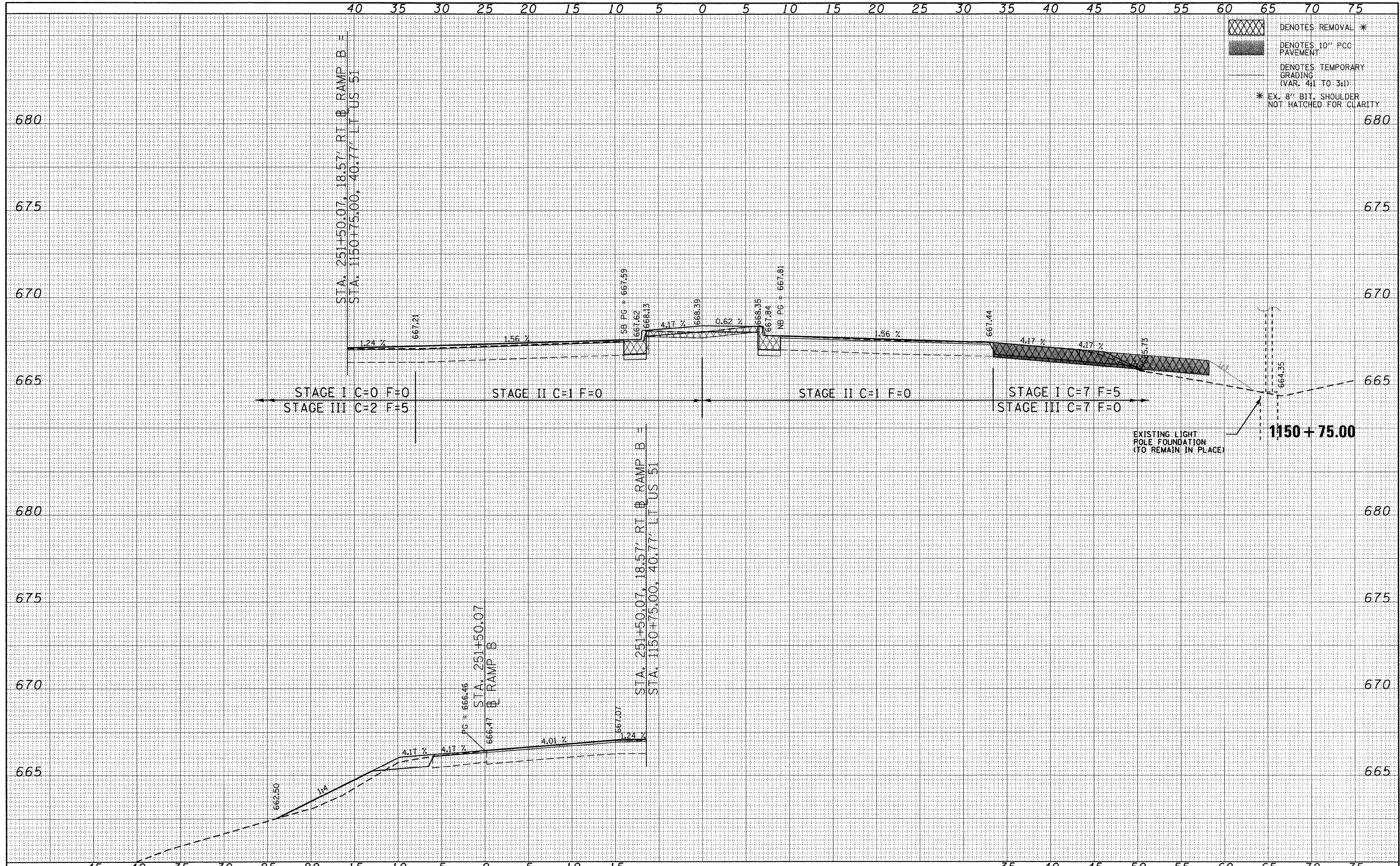
SCALE: 1" = 5"    SHEET NO. 6 OF 35 SHEETS    STA. 1150+57.78 TO STA. 1150+57.78

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(58-64HB-1)B-1	MACON	149	120
CONTRACT NO. 74387			ILLINOIS FED. AID PROJECT	



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

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



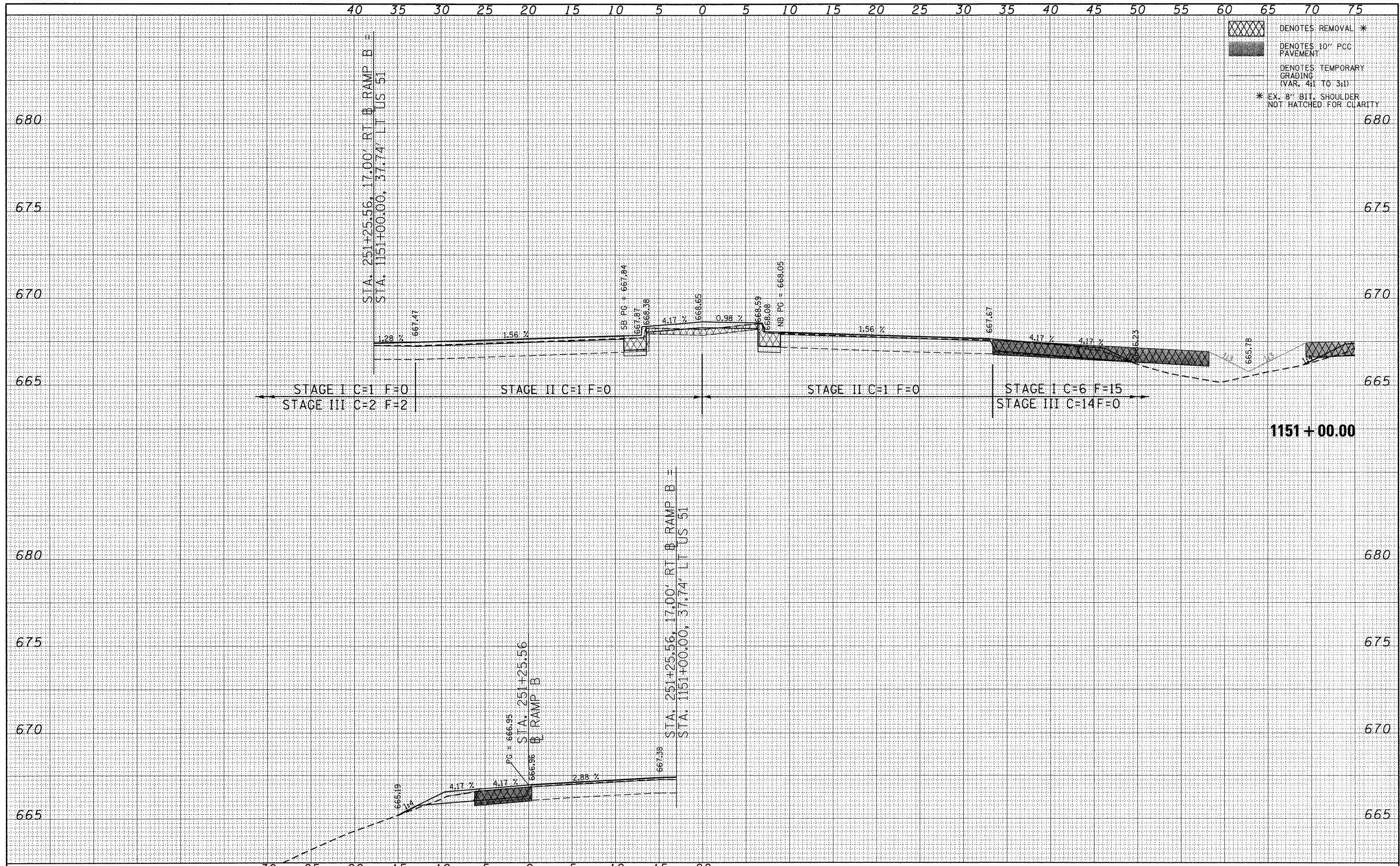
- DENOTES REMOVAL \*
- DENOTES 10" PCC PAVEMENT
- DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)
- \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 51 CROSS SECTIONS</b>		F.A.P. RTE. 322	SECTION (58-64HB-1)B-1	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 121	
	D774387-sht-xsh.dgn	DRAWN - JWS	REVISED -		SCALE: 1" = 5'	SHEET NO. 7 OF 35 SHEETS	STA. 1150+75.00 TO STA. 1150+75.00	CONTRACT NO. 74387		ILLINOIS FED. AID PROJECT		
	PLOT SCALE = 5.0000' / in.	CHECKED - SJK	REVISED -									
	PLOT DATE = 3/12/2010	DATE - 3/12/2010	REVISED -									



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

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

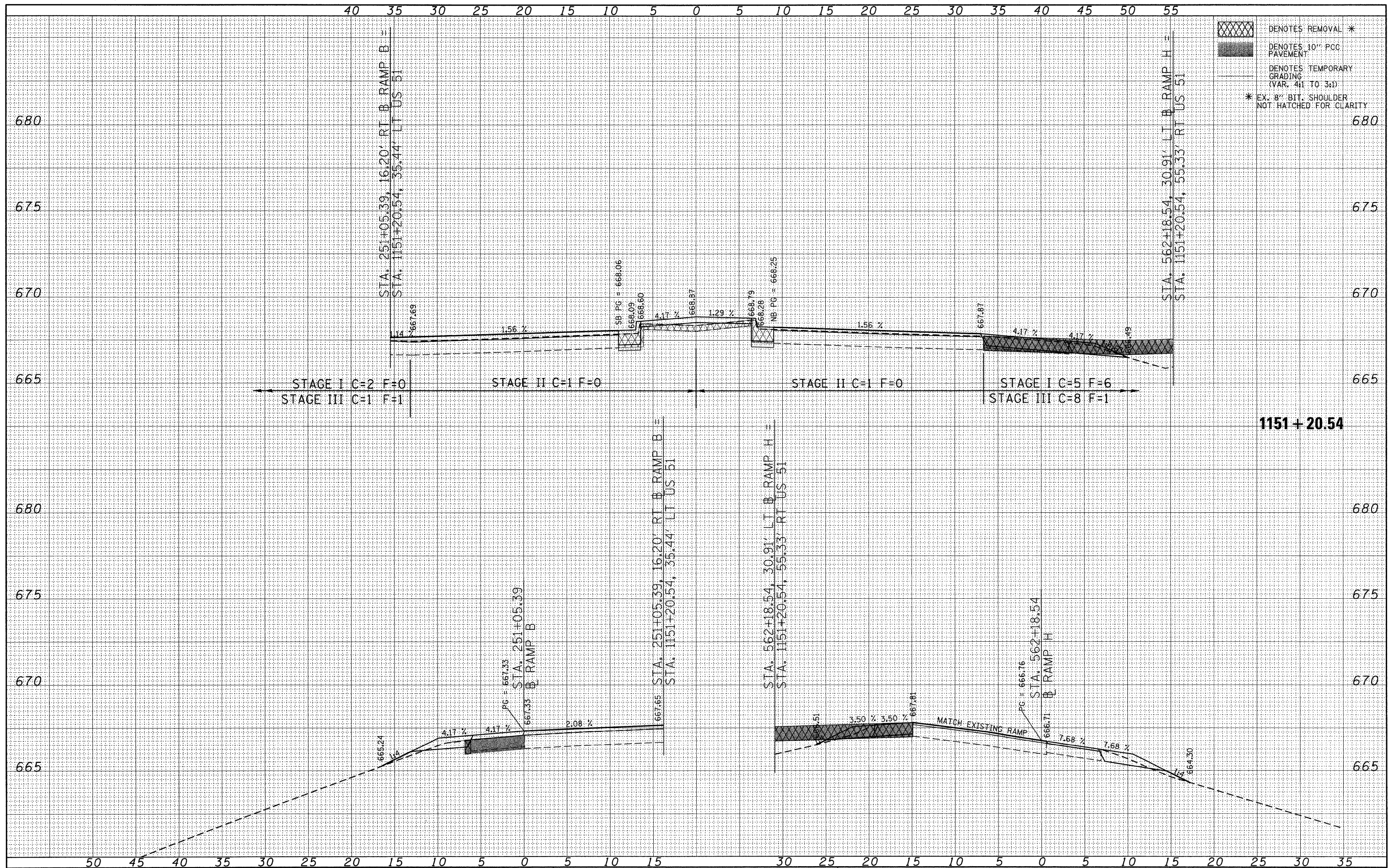


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PLOT SCALE = 5.0000' / 1"	CHECKED - SJK	REVISED -	REVISED -		SCALE: 1" = 5'	SHEET NO. 8 OF 35 SHEETS	STA. 1151+00.00 TO STA. 1151+00.00	CONTRACT NO. 74387				
PLOT DATE = 3/12/2010	DATE - 3/12/2010	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							



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

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



DENOTES REMOVAL \*  
 DENOTES 10" PCC PAVEMENT  
 DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)  
 \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

FILE NAME = P:\060276\US 51 over I-72\4-CADD\4.2-TR\SHEETS

USER NAME = jheger  
 D774387-ah-aahtdgn  
 PLOT SCALE = 5.0000' / 1"  
 PLOT DATE = 3/12/2010

DESIGNED - JWS  
 DRAWN - JWS  
 CHECKED - SJK  
 DATE - 3/12/2010

REVISED -  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

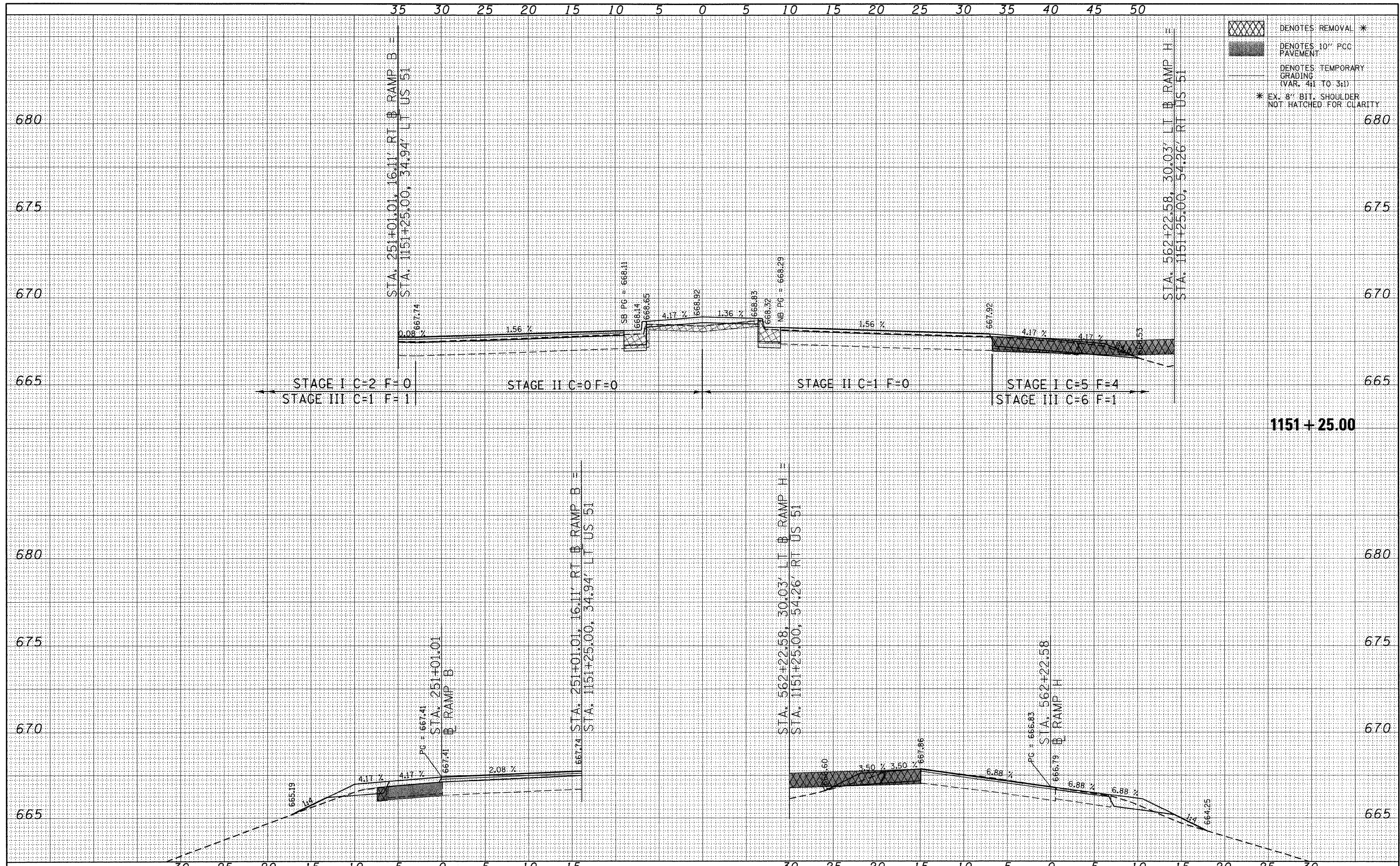
**CROSS SECTIONS**  
**US 51 CROSS SECTIONS**  
 SCALE: 1" = 5' SHEET NO. 9 OF 35 SHEETS STA. 1151+20.54 TO STA. 1151+20.54

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(58-64HB-1)B-1	MACON	149	123
CONTRACT NO. 74387			ILLINOIS FED. AID PROJECT	



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

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	



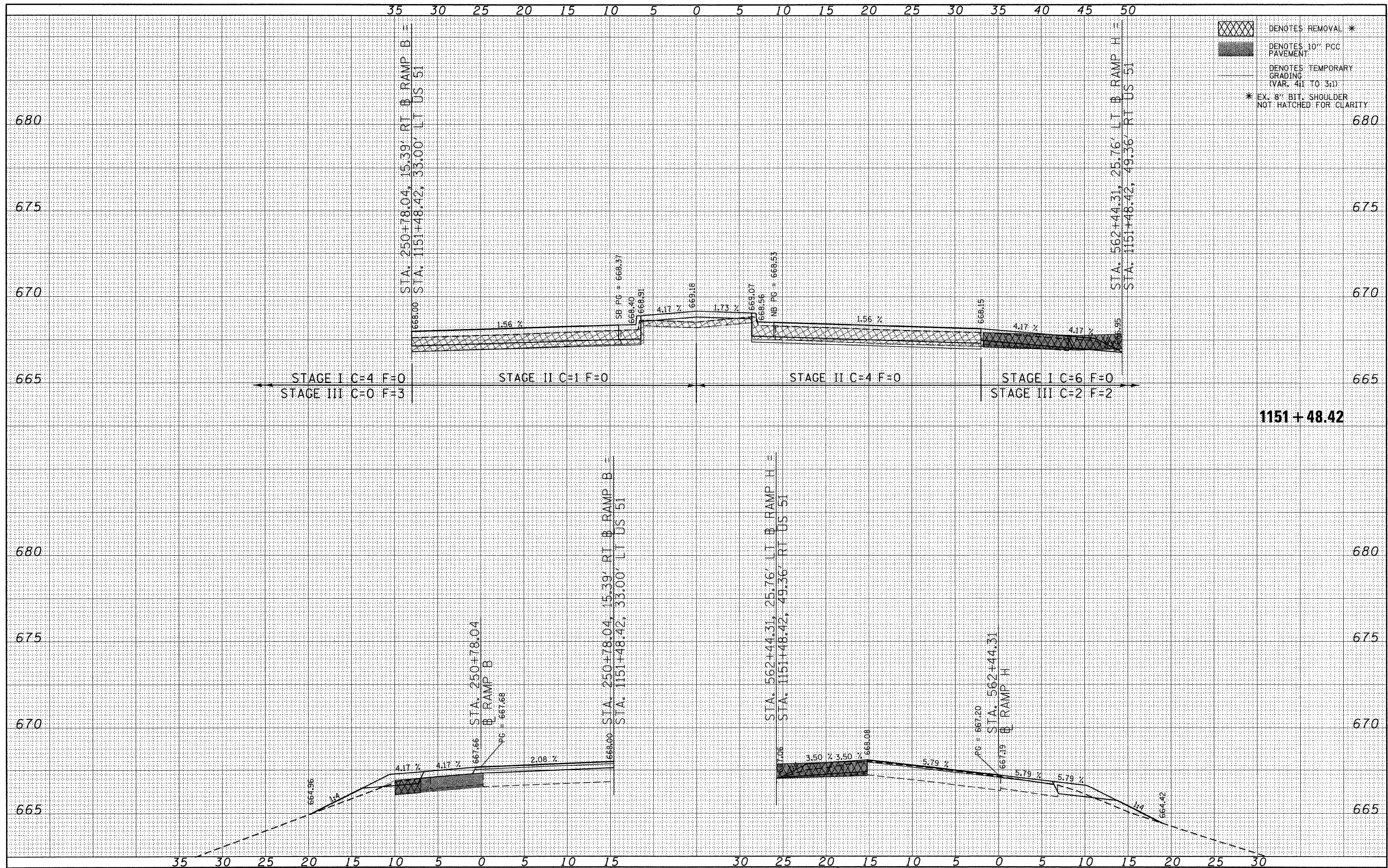
- DENOTES REMOVAL \*
- DENOTES 10" PCC PAVEMENT
- DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)
- \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jhager	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 51 CROSS SECTIONS</b>		F.A.P. RTE. 322	SECTION (58-64HB-1B-1)	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 124	
PLOT SCALE = 5.0000' / in.	PLotted DATE = 3/12/2010	DRAWN - JWS	REVISED -		SCALE: 1" = 5'	SHEET NO. 10 OF 35 SHEETS	STA. 1151+25.00 TO STA. 1151+25.00	CONTRACT NO. 74387		ILLINOIS FED. AID PROJECT		
		CHECKED - SJK	REVISED -									
		DATE - 3/12/2010	REVISED -									



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

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



DENOTES REMOVAL \*  
 DENOTES 10" PCC PAVEMENT  
 DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)  
 \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

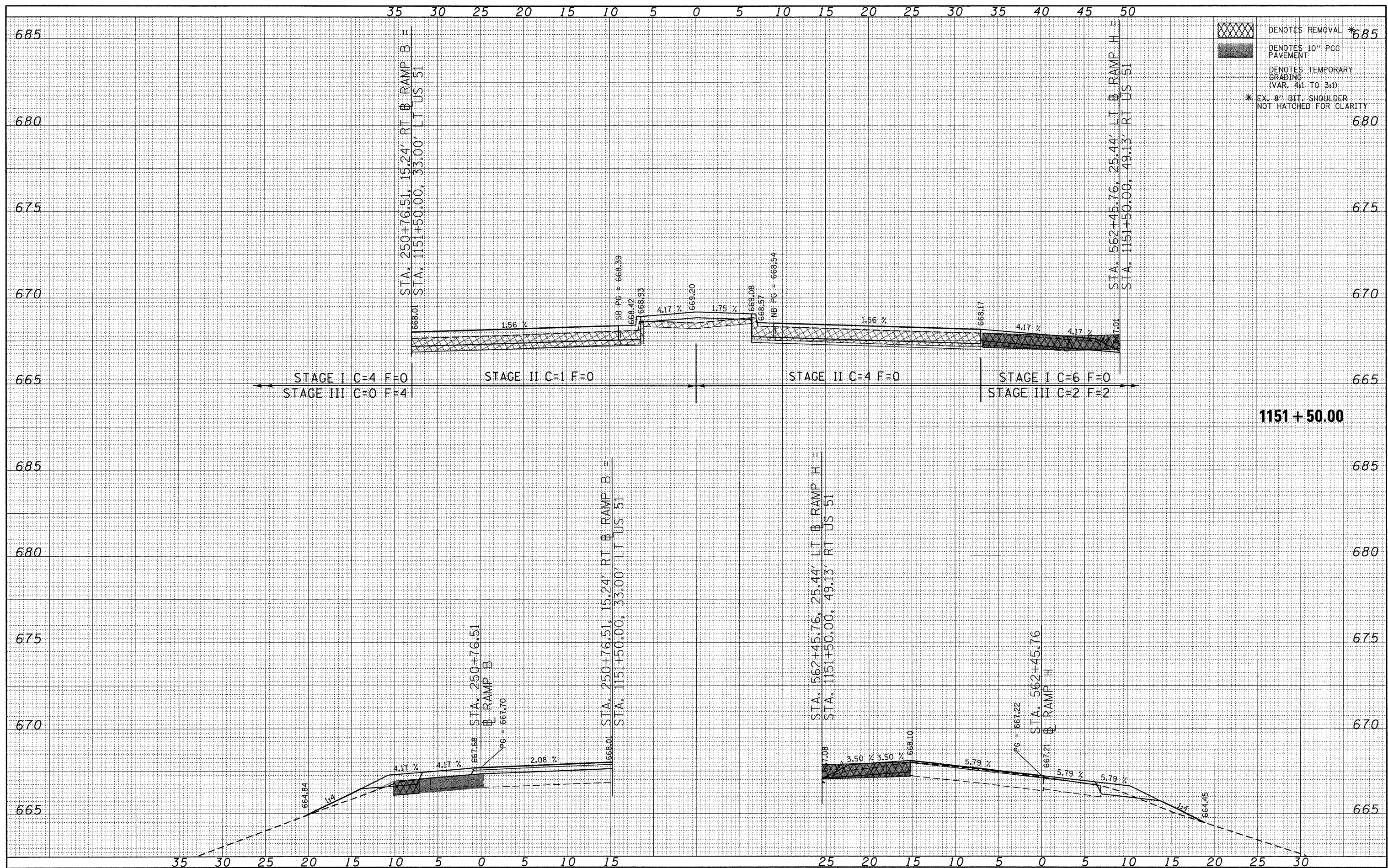
**1151 + 48.42**

FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>US 51 CROSS SECTIONS</b>		F.A.P. RTE. 322	SECTION (58-64HB-1B-1)	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 125	
	D774387-shr-xasht.dgn	DRAWN - JWS	REVISED -		SCALE: 1" = 5'	SHEET NO. 11 OF 35 SHEETS	STA. 1151+48.42 TO STA. 1151+48.42	CONTRACT NO. 74387		ILLINOIS FED. AID PROJECT		
	PLOT SCALE = 5.0000' / in.	CHECKED - SJK	REVISED -									
	PLOT DATE = 3/12/2010	DATE - 3/12/2010	REVISED -									



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

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



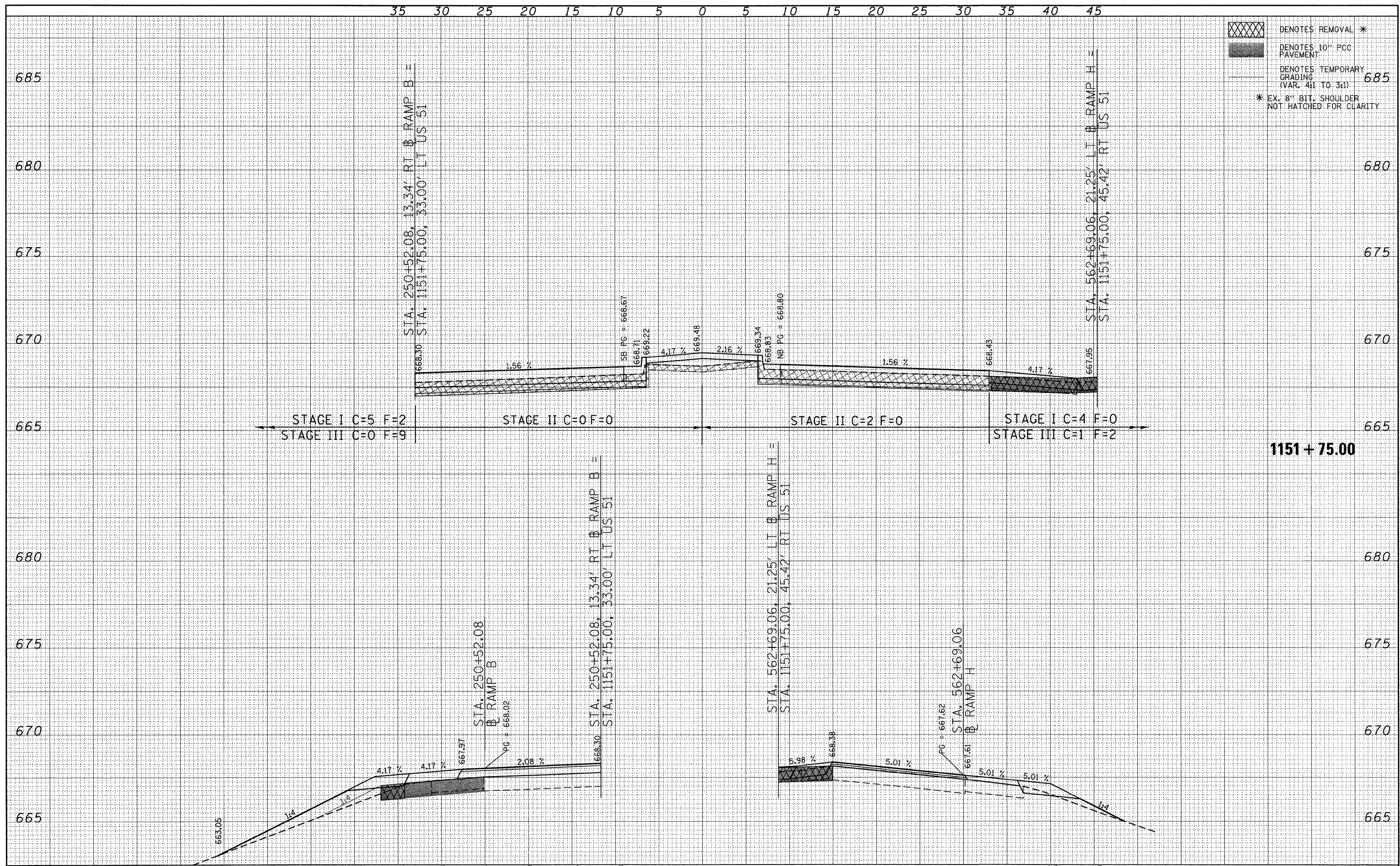
DENOTES REMOVAL \*685  
 DENOTES 10" PCC PAVEMENT  
 DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)  
 \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>US 51 CROSS SECTIONS</b>		F.A.P. RTE. 322	SECTION (58-64HB-1B-1)	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 126	
PLOT SCALE = 5.0000' / 1"	CHECKED - SJK	DATE - 3/12/2010	REVISED -		SCALE: 1" = 5"	SHEET NO. 12 OF 35 SHEETS	STA. 1151+50.00 TO STA. 1151+50.00	CONTRACT NO. 74387				
					ILLINOIS FED. AID PROJECT							



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

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



DENOTES REMOVAL \*  
 DENOTES 10" PCC PAVEMENT  
 DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)  
 \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

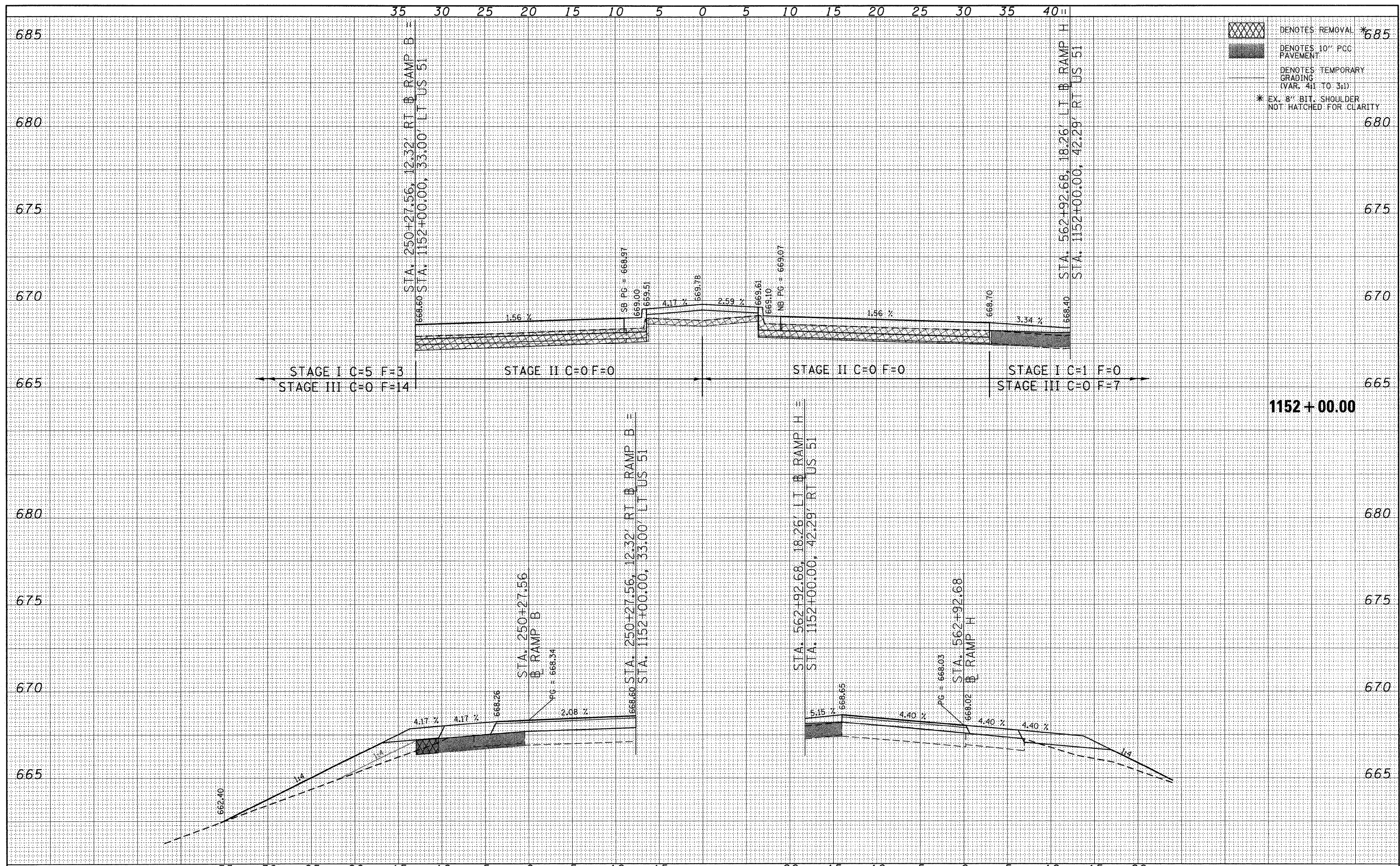
1151 + 75.00

FILE NAME = P:\000276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>US 51 CROSS SECTIONS</b>		F.A.P. RTE. 322	SECTION (58-64HB-1B-1)	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 127	
PLOT SCALE = 5.0000' / in.	CHECKED - SJK	REVISED -	REVISED -		SCALE: 1" = 5'	SHEET NO. 13 OF 35 SHEETS	STA. 1151+75.00 TO STA. 1151+75.00	CONTRACT NO. 74387		ILLINOIS FED. AID PROJECT		
PLOT DATE = 3/12/2010	DATE - 3/12/2010	REVISED -	REVISED -									



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

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

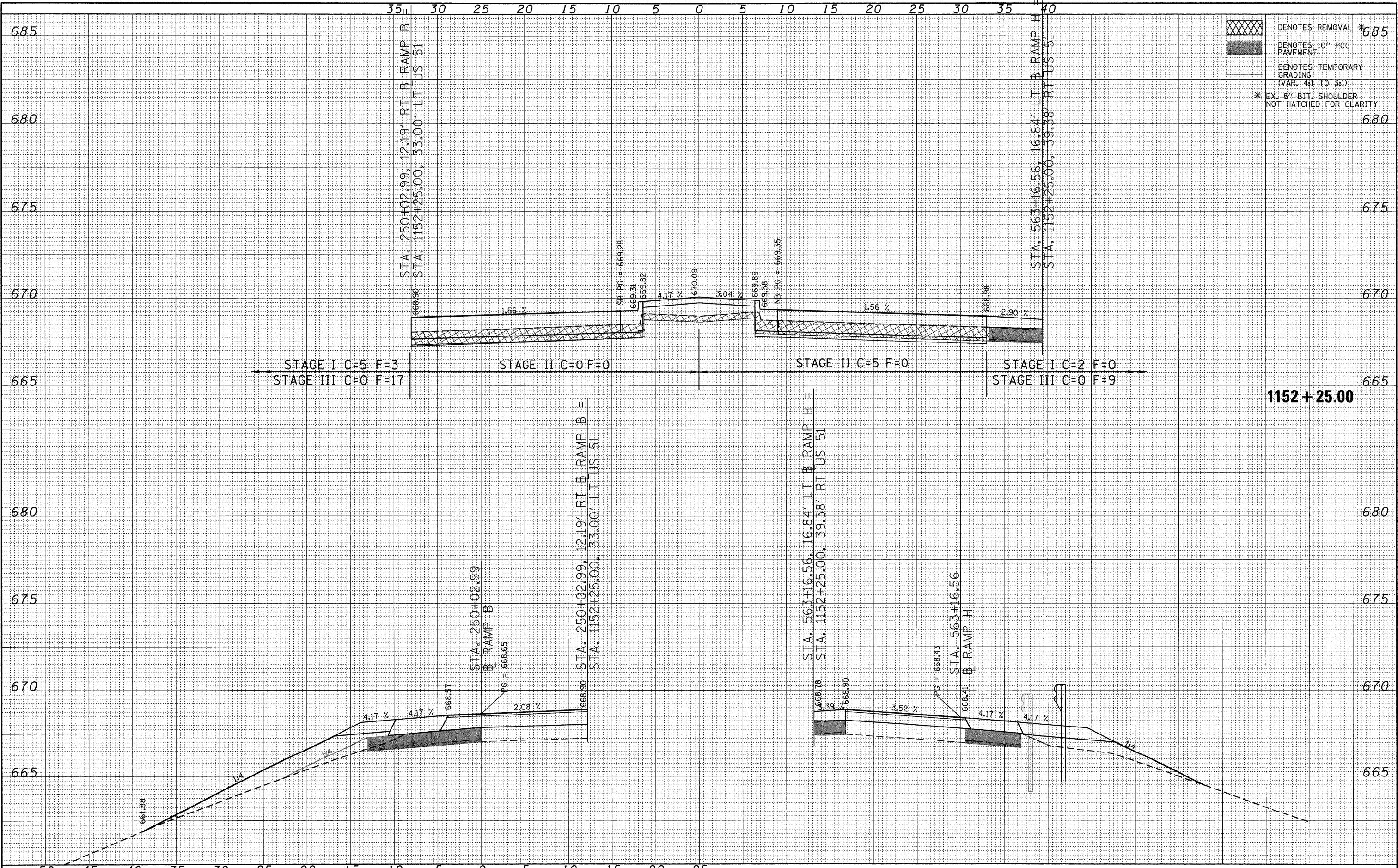


FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger 0774387-ah-xashtdgn	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 51 CROSS SECTIONS</b>		F.A.P. RTE. 322	SECTION (58-64HB-1)B-1	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 128	
PLOT SCALE = 5.0000' / in.	CHECKED - SJK	REVISED -	SCALE: 1" = 5"		SHEET NO. 14 OF 35 SHEETS	STA. 1152+00.00 TO STA. 1152+00.00	CONTRACT NO. 74387		ILLINOIS FED. AID PROJECT			
PLOT DATE = 3/12/2010	DATE - 3/12/2010	REVISED -										



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

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

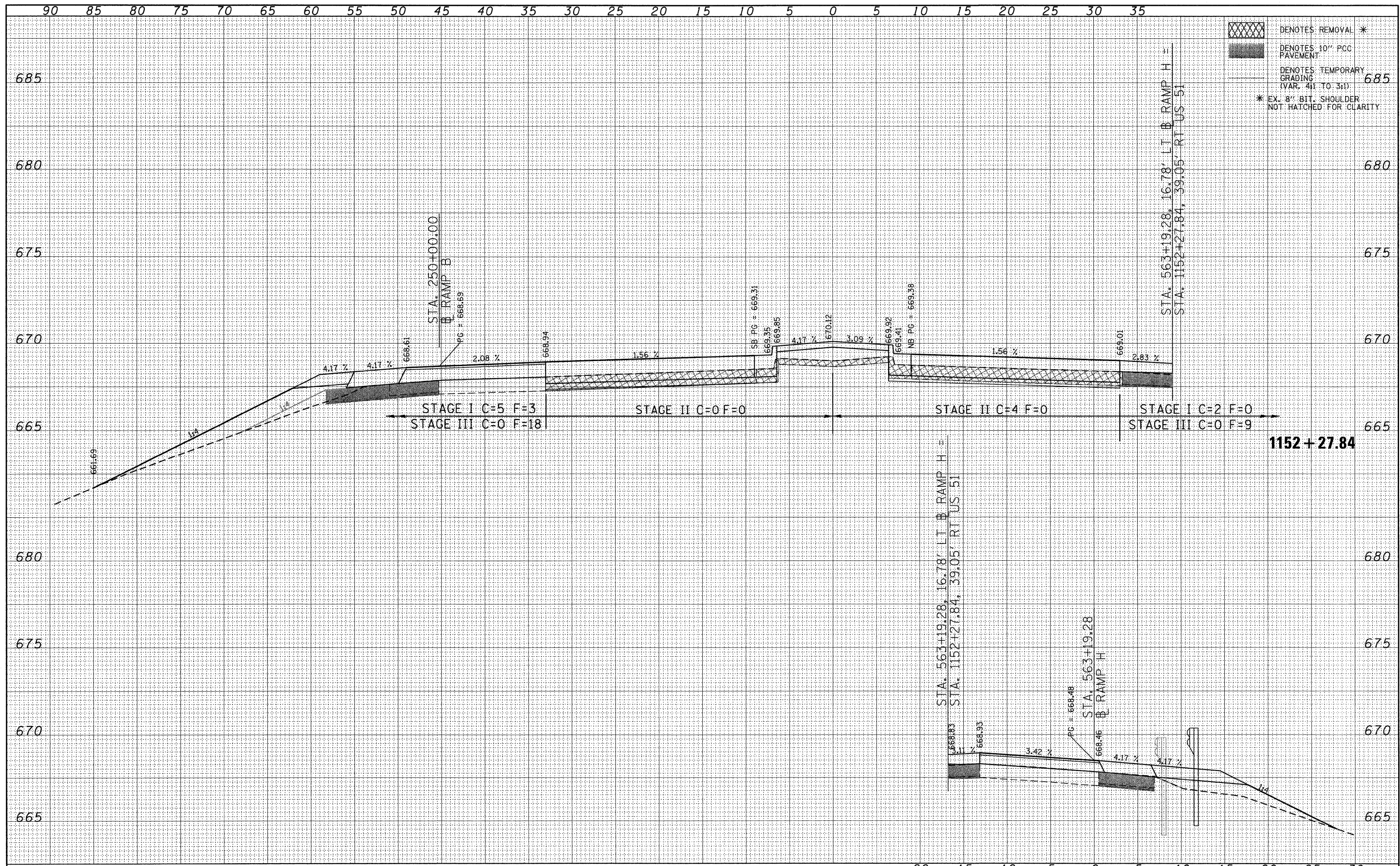


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PLOT SCALE = 5.0000' / 1" IN.	CHECKED - SJK	DATE - 3/12/2010	REVISED -		SCALE: 1" = 5'	SHEET NO. 15 OF 35 SHEETS	STA. 1152+25.00 TO STA. 1152+25.00	CONTRACT NO. 74387				
PLOT DATE = 3/12/2010	DATE - 3/12/2010	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							



FINAL	SURVEYED	BY	DATE
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NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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



- DENOTES REMOVAL \*
- DENOTES 10" PCC PAVEMENT
- DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)
- \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

CROSS SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
US 51 CROSS SECTIONS		322	(58-64HB-1B-1)	MACON	149	130
SCALE: 1" = 5'		SHEET NO. 16 OF 35 SHEETS		STA. 1152+27.84 TO STA. 1152+27.84		CONTRACT NO. 74387
ILLINOIS FED. AID PROJECT						

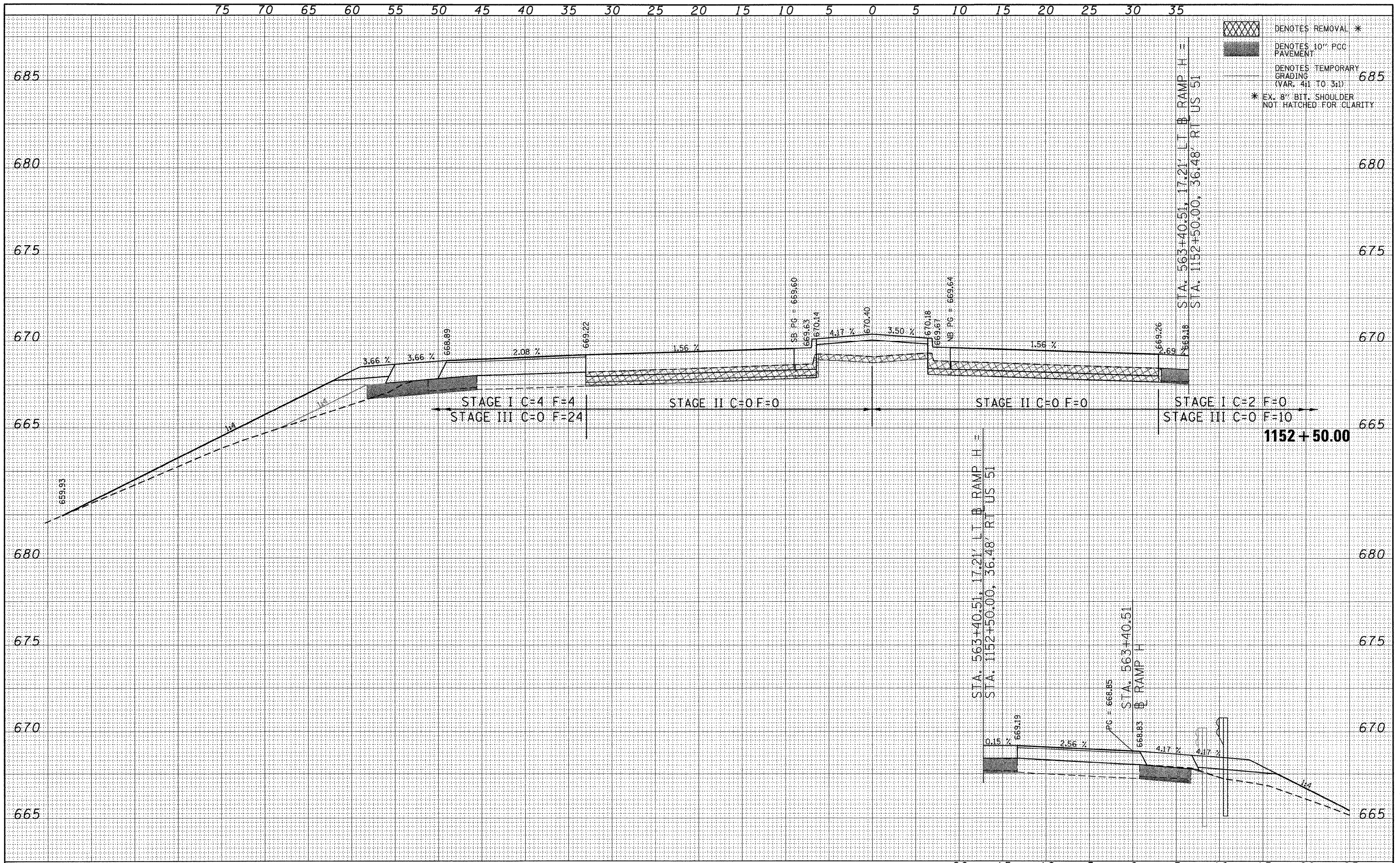
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P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	D774387-shr-xssht.dgn	DRAWN - JWS	REVISED -
	PLOT SCALE = 5.0000' / in.	CHECKED - SJK	REVISED -
	PLOT DATE = 3/12/2010	DATE - 3/12/2010	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



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

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

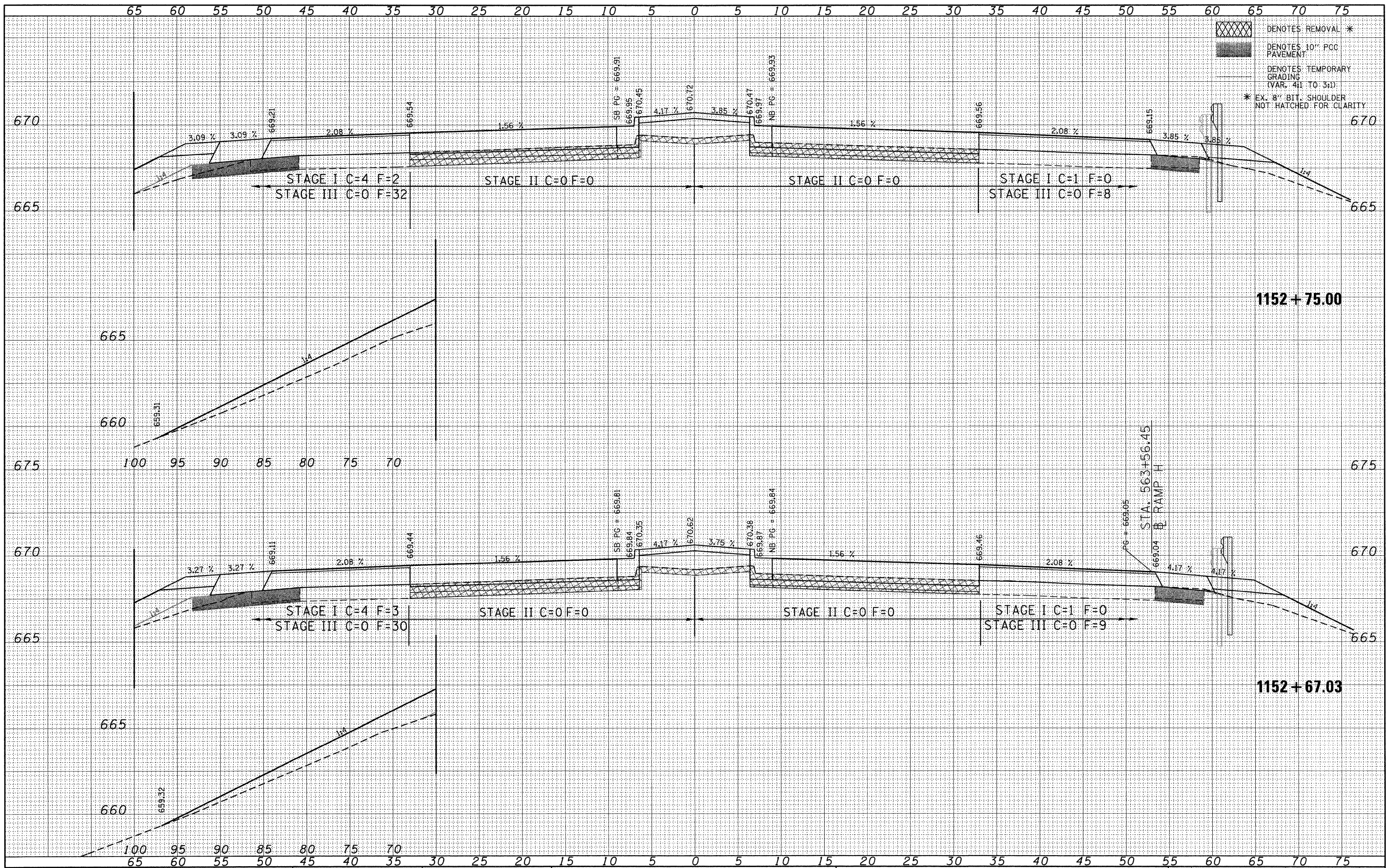


FILE NAME = P:\000276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 51 CROSS SECTIONS</b>		F.A.P. RTE. 322	SECTION (58-64HB-1)B-1	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 131	
PLOT SCALE = 5.0000' / in.	CHECKED - SJK	REVISIED -	REVISIED -		SCALE: 1" = 5"	SHEET NO. 17 OF 35 SHEETS	STA. 1152+50.00 TO STA. 1152+50.00	CONTRACT NO. 74387				
PLOT DATE = 3/12/2010	DATE - 3/12/2010	REVISIED -	REVISIED -		ILLINOIS FED. AID PROJECT							



BY	DATE
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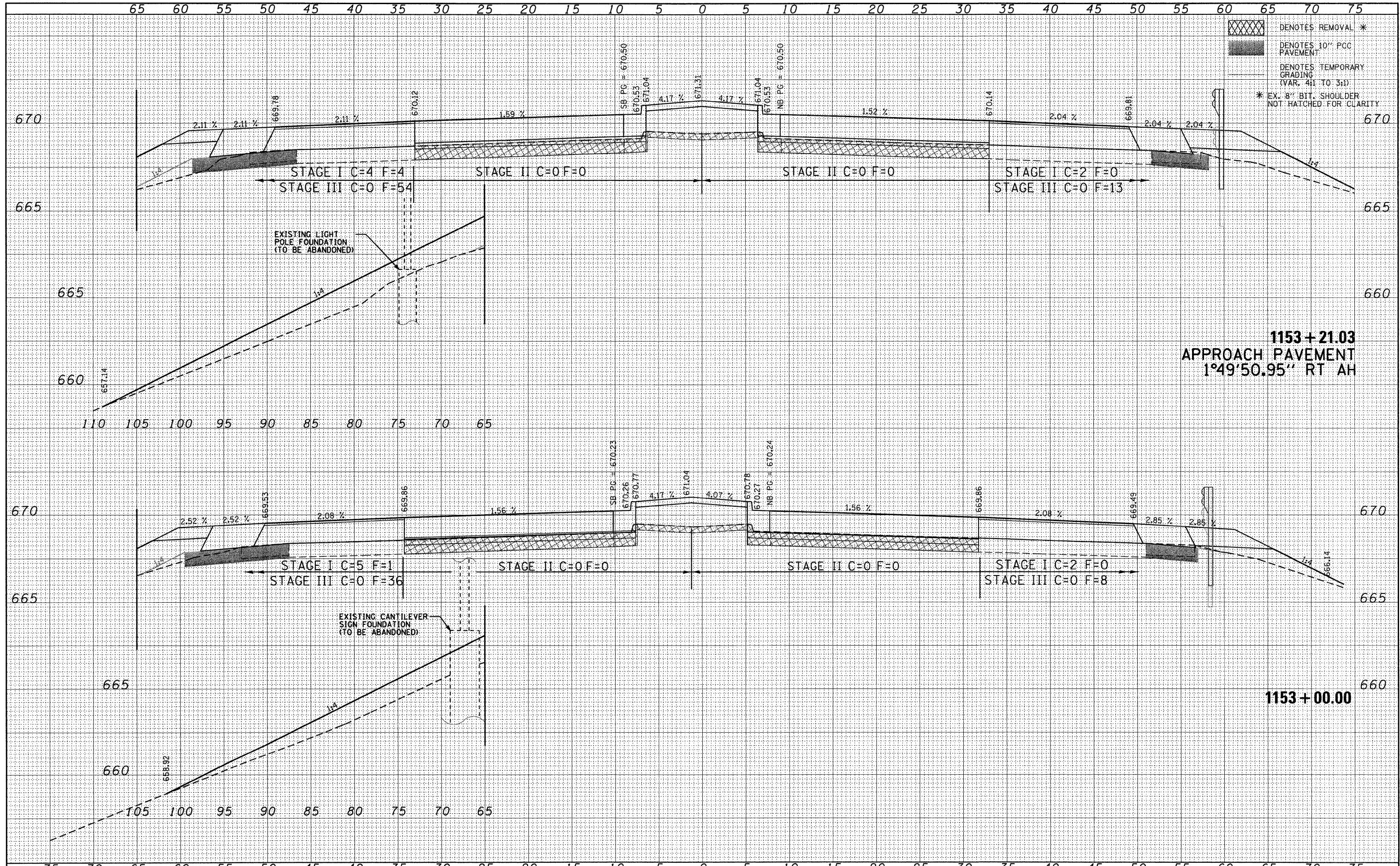
DENOTES REMOVAL \*  
 DENOTES 10" PCC PAVEMENT  
 DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)  
 \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>US 51 CROSS SECTIONS</b>		F.A.P. RTE. 322	SECTION (58-64HB-1)B-1	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 132
PLOT SCALE = 5.0000' / in.	DATE = 3/12/2010	DRAWN - JWS	REVISED -		SCALE: 1" = 5"	SHEET NO. 18 OF 35 SHEETS	STA. 1152+67.03 TO STA. 1152+75.00	CONTRACT NO. 74387		ILLINOIS FED. AID PROJECT	
		CHECKED - SJK	REVISED -								
		DATE = 3/12/2010	REVISED -								



DATE	
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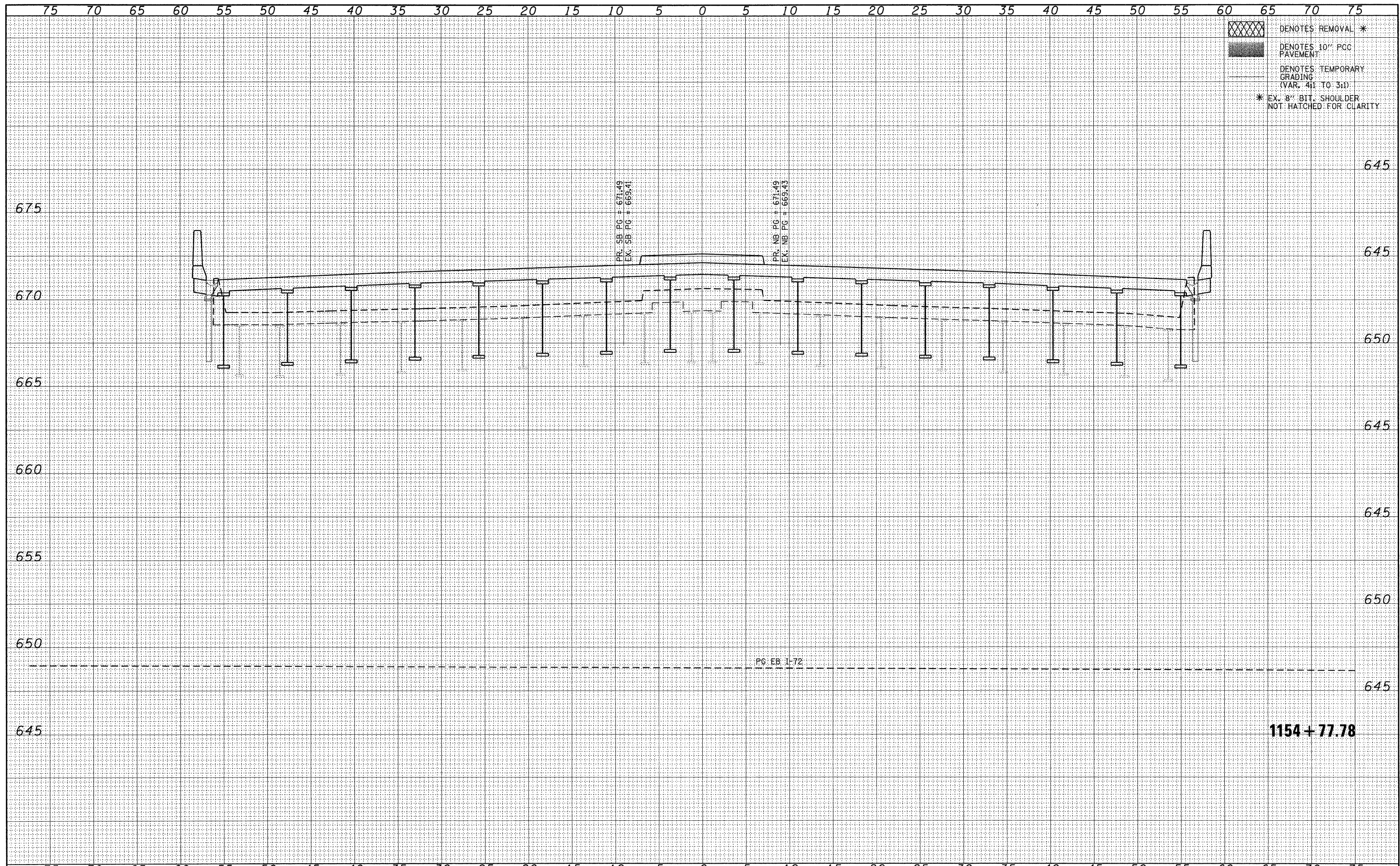
DENOTES REMOVAL \*  
 DENOTES 10" PCC PAVEMENT  
 DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)  
 \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 51 CROSS SECTIONS</b>		F.A.P. RTE. 322	SECTION (58-64HB-1B-1)	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 133	
PLOT SCALE = 5.0000' / 1"	DATE = 3/12/2010	DRAWN - JWS	REVISED -		SCALE: 1" = 5"	SHEET NO. 19 OF 35 SHEETS	STA. 1153+00.00 TO STA. 1153+21.03	CONTRACT NO. 74387		ILLINOIS FED. AID PROJECT		
		CHECKED - SJK	REVISED -									
		DATE = 3/12/2010	REVISED -									



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

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

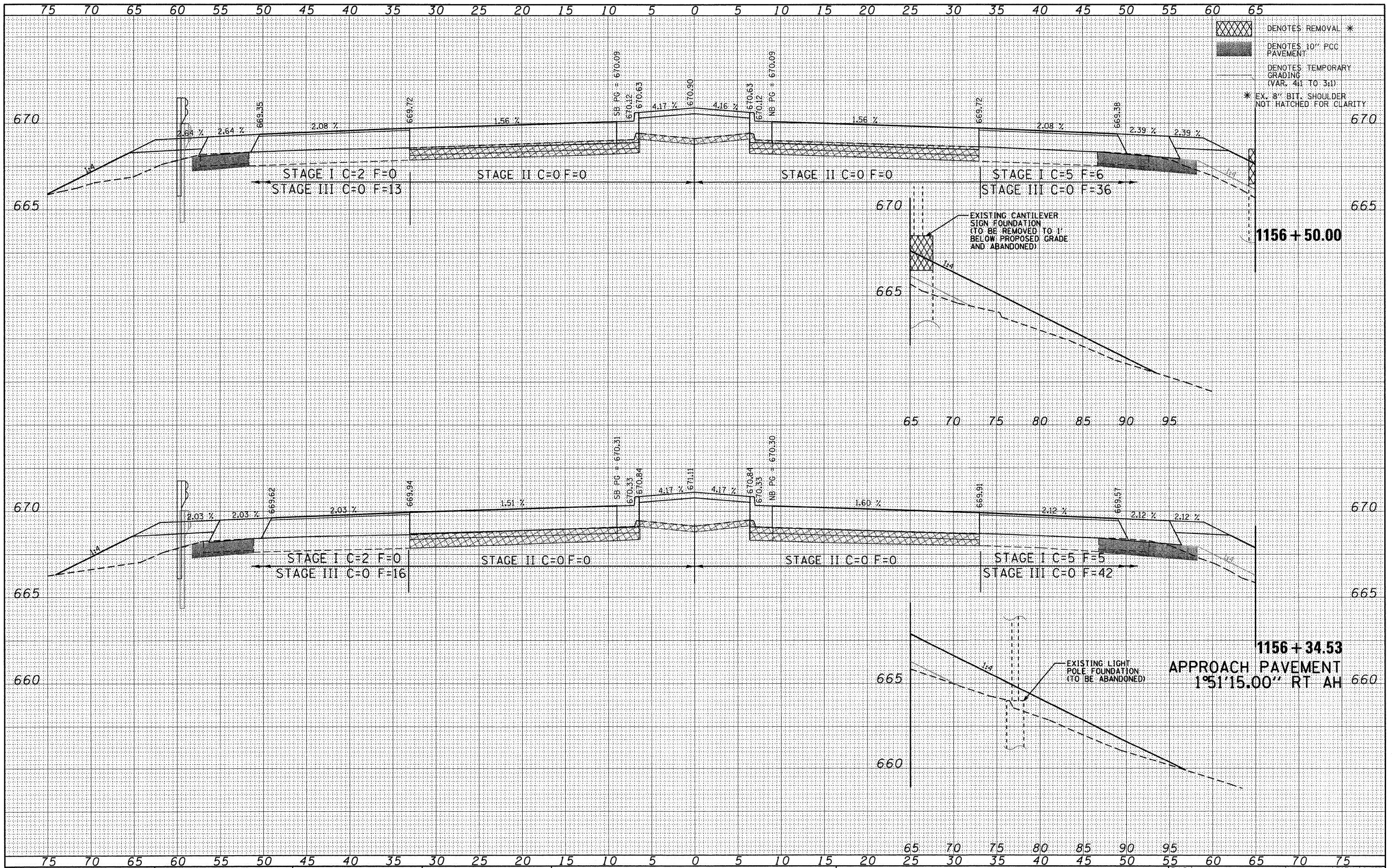


FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 51 CROSS SECTIONS</b>			F.A.P. RTE. 322	SECTION (58-64HB-1)B-1	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 134
		DRAWN - JWS	REVISED -		SCALE: 1" = 5"	SHEET NO. 20 OF 35 SHEETS	STA. 1153+51.03 TO STA. 1156+04.53	CONTRACT NO. 74387		ILLINOIS FED. AID PROJECT		
		CHECKED - SJK	REVISED -									
		DATE - 3/12/2010	REVISED -									



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ORIGINAL SURVEY	
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FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS

USER NAME = jhager  
 D774387-shr-xaht.dgn  
 PLOT SCALE = 5.0000' / in.  
 PLOT DATE = 3/12/2010

DESIGNED - JWS  
 DRAWN - JWS  
 CHECKED - SJK  
 DATE - 3/12/2010

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

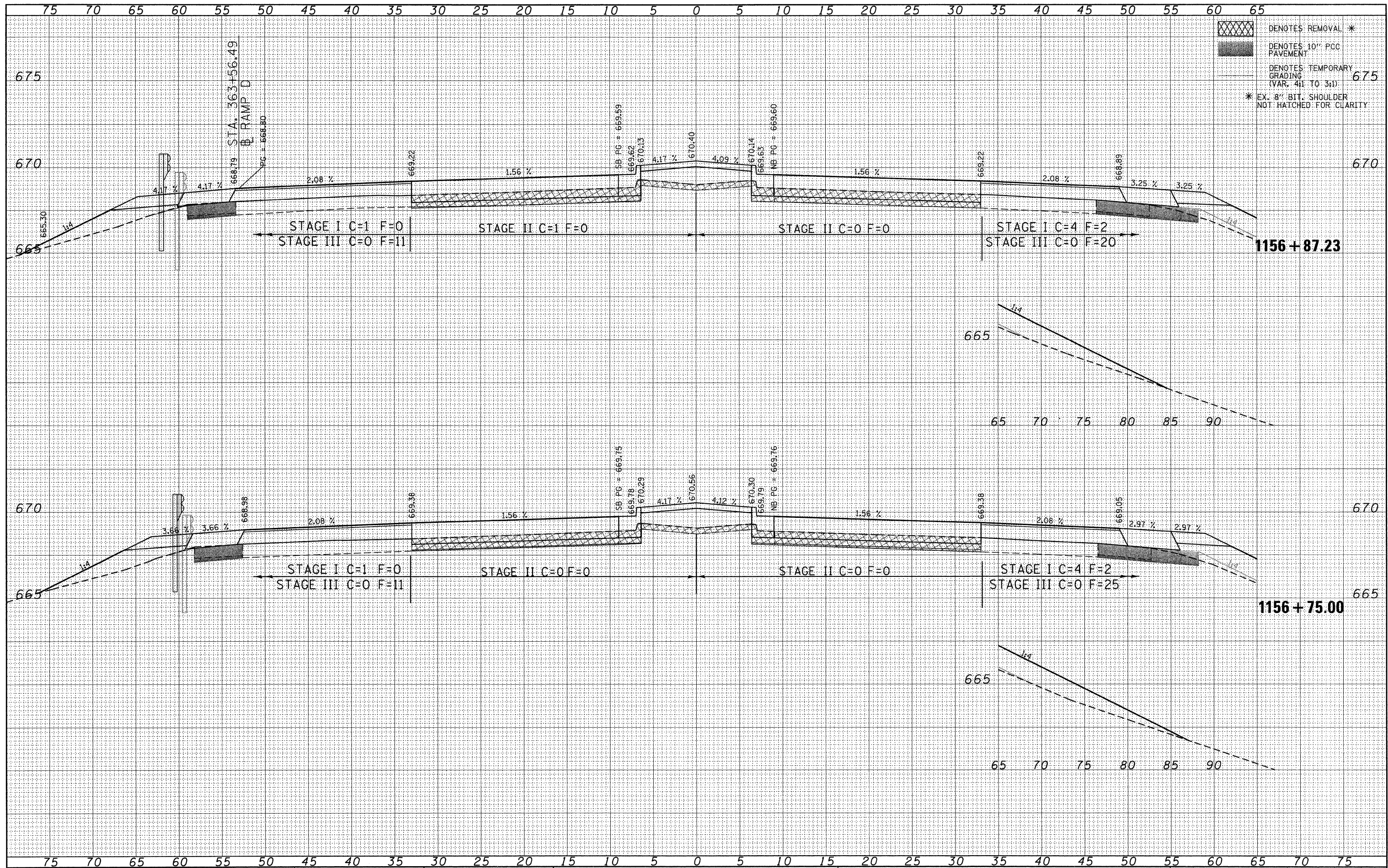
**CROSS SECTIONS  
 US 51 CROSS SECTIONS**  
 SCALE: 1" = 5' SHEET NO. 21 OF 35 SHEETS STA. 1156+34.53 TO STA. 1156+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(58-64HB-1)B-1	MACON	149	135
CONTRACT NO. 74387			ILLINOIS FED. AID PROJECT	



BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
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 TEMPLATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
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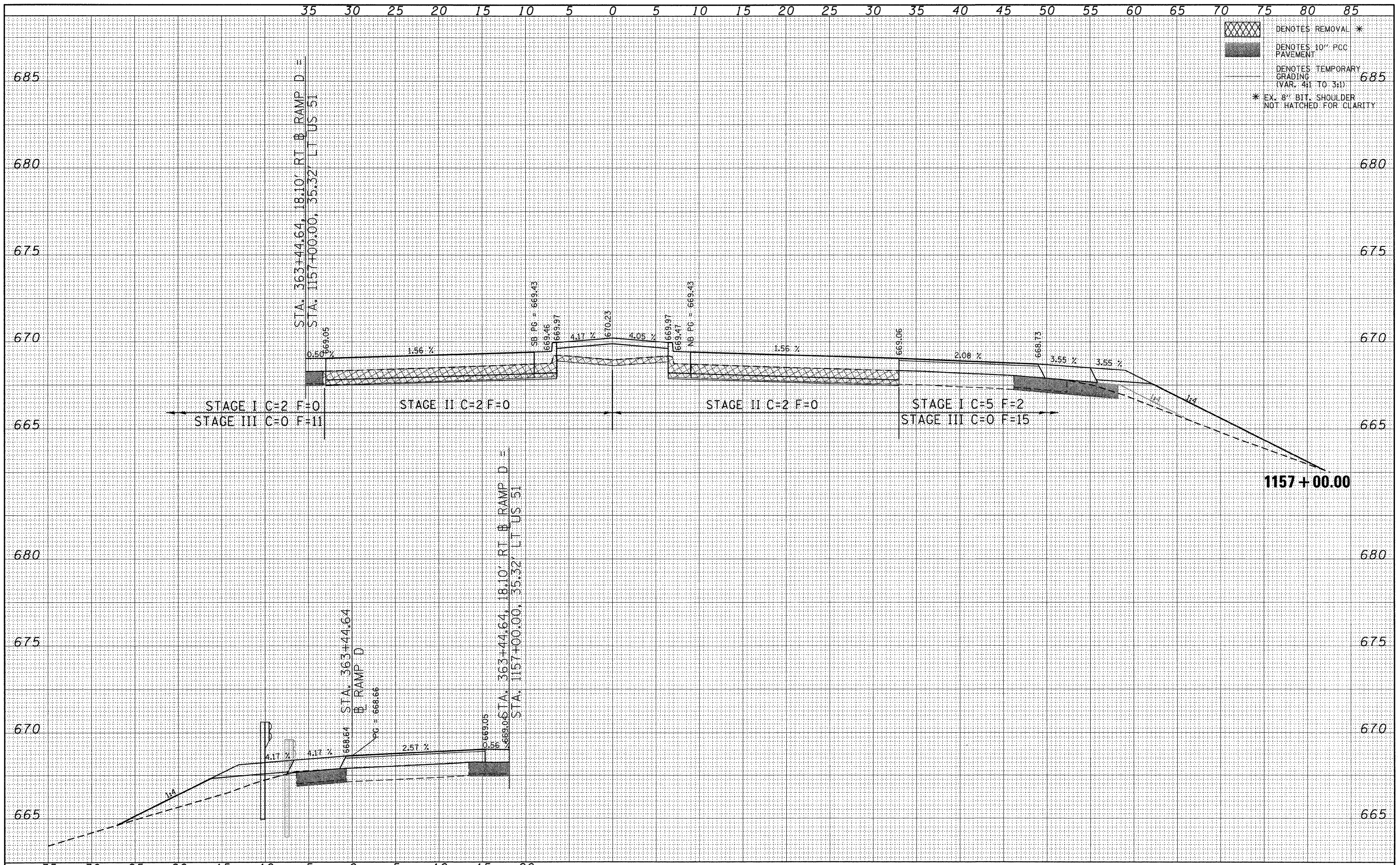


FILE NAME = P:\050276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 51 CROSS SECTIONS</b>		F.A.P. RTE. 322	SECTION (58-64HB-1B-1)	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 136	
PLOT SCALE = 5.0000' / 1"	PLOT DATE = 3/12/2010	DRAWN - JWS	REVISED -		SCALE: 1" = 5"	SHEET NO. 22 OF 35 SHEETS	STA. 1156+75.00 TO STA. 1156+87.23	CONTRACT NO. 74387		ILLINOIS FED. AID PROJECT		
		CHECKED - SJK	REVISED -									
		DATE - 3/12/2010	REVISED -									



DATE	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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NOTE BOOK	
AREAS CHECKED	
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FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 51 CROSS SECTIONS</b>		F.A.P. RTE. 322	SECTION (58-64HB-1)B-1	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 137	
PLOT SCALE = 5.0000' / 1"	DATE = 3/12/2010	DRAWN - JWS	REVISED -		SCALE: 1" = 5'	SHEET NO. 23 OF 35 SHEETS	STA. 1157+00.00 TO STA. 1157+00.00	CONTRACT NO. 74387		ILLINOIS FED. AID PROJECT		
		CHECKED - SJK	REVISED -									
		DATE = 3/12/2010	REVISED -									



FINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

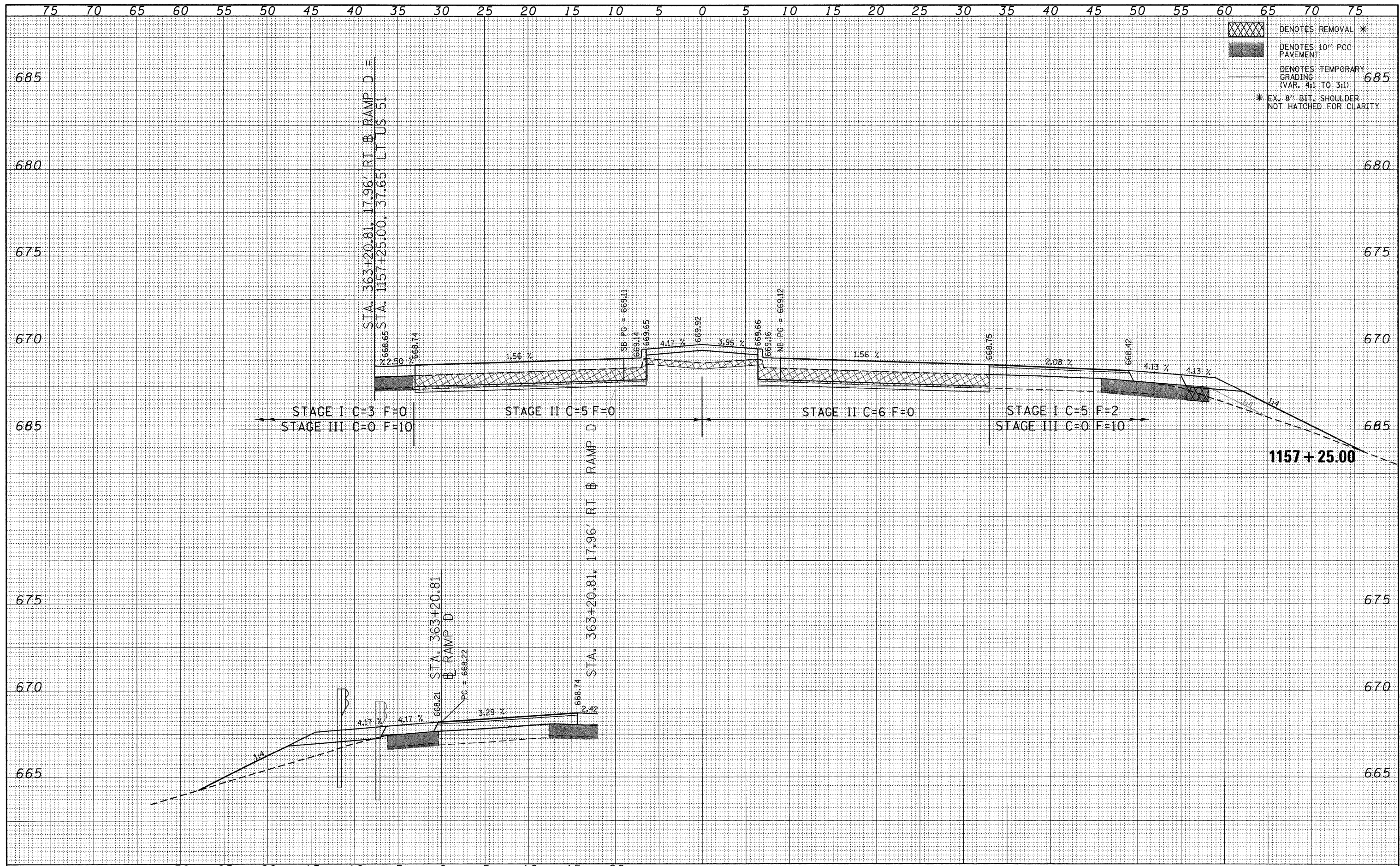
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

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

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

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

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



DENOTES REMOVAL \*  
 DENOTES 10" PCC PAVEMENT  
 DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)  
 \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>US 51 CROSS SECTIONS</b>		F.A.P. RTE. 322	SECTION (58-64HB-1B-1)	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 138	
PLOT SCALE = 5.0000' / 1"	DATE = 3/12/2010	DRAWN - JWS	REVISED -		SCALE: 1" = 5"	SHEET NO. 24 OF 35 SHEETS	STA. 1157+25.00 TO STA. 1157+25.00	CONTRACT NO. 74387				
		CHECKED - SJK	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE = 3/12/2010	REVISED -									

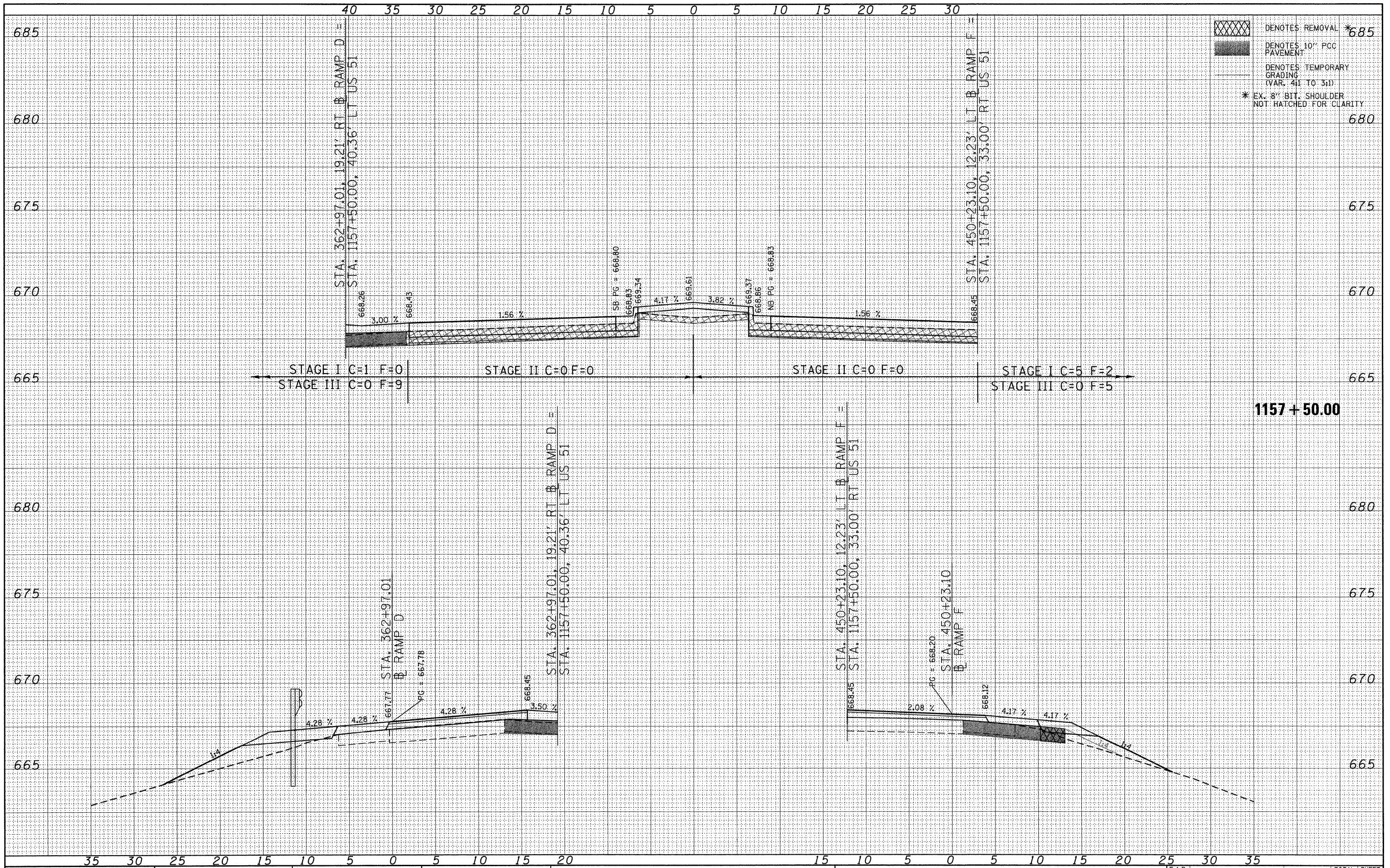









DATE	
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NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



 DENOTES REMOVAL \*685  
 DENOTES 10" PCC PAVEMENT  
 DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)  
 \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS

USER NAME = jheger  
 D774387-shr-xshd.dgn  
 PLOT SCALE = 5.0000' / in.  
 PLOT DATE = 3/12/2010

DESIGNED - JWS  
 DRAWN - JWS  
 CHECKED - SJK  
 DATE - 3/12/2010

REVISED -  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 US 51 CROSS SECTIONS  
 SCALE: 1" = 5' SHEET NO. 26 OF 35 SHEETS STA. 1157+50.00 TO STA. 1157+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(58-64HB-1B-1)	MACON	149	140
CONTRACT NO. 74387			ILLINOIS FED. AID PROJECT	

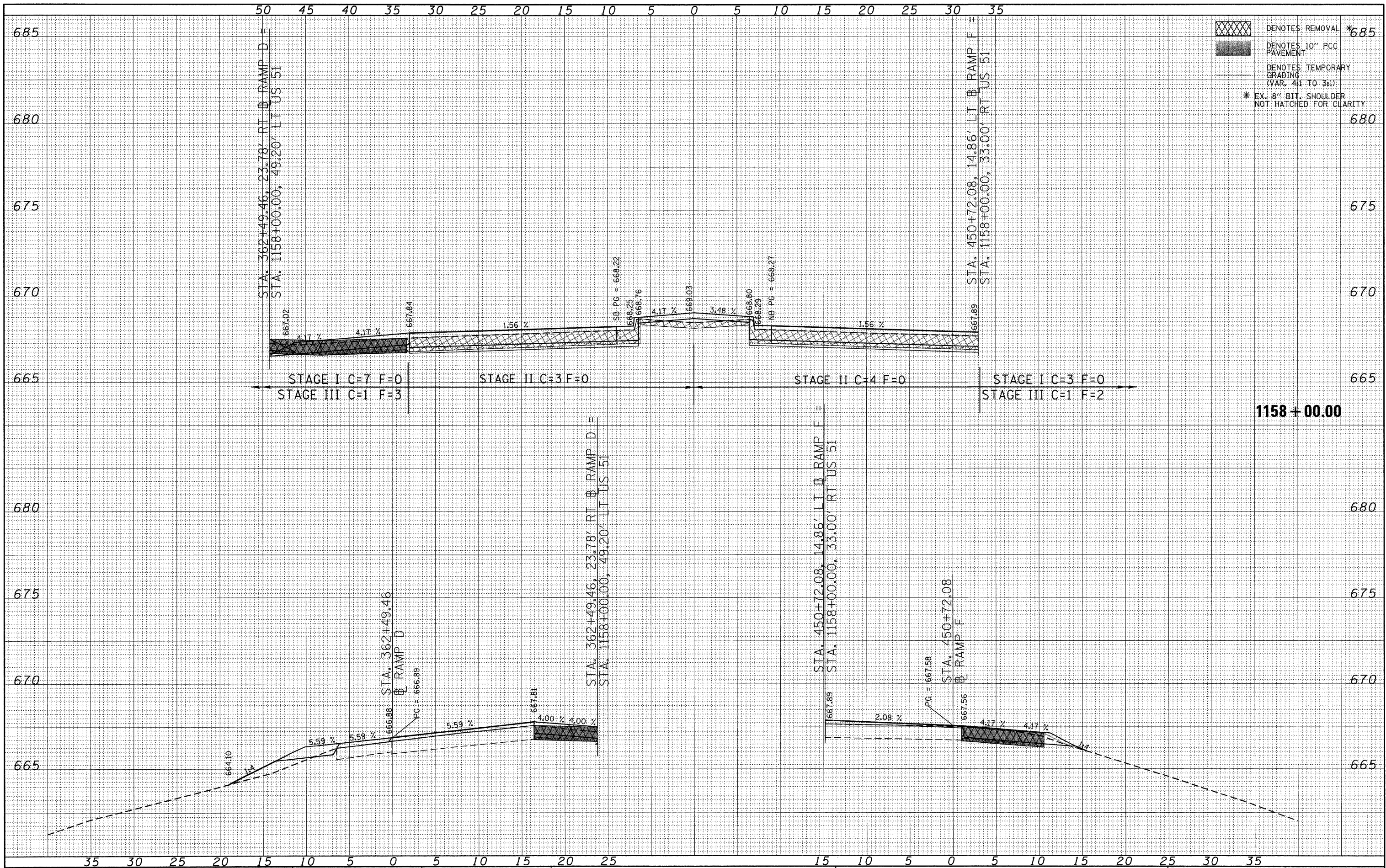






DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS CHECKED

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



DENOTES REMOVAL \*685  
 DENOTES 10" PCC PAVEMENT  
 DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)  
 \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS  
 USER NAME = jheger  
 D774387-shr-xshd.dgn  
 PLOT SCALE = 5.0000' / 1"  
 PLOT DATE = 3/12/2010

DESIGNED - JWS  
 DRAWN - JWS  
 CHECKED - SJK  
 DATE - 3/12/2010

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

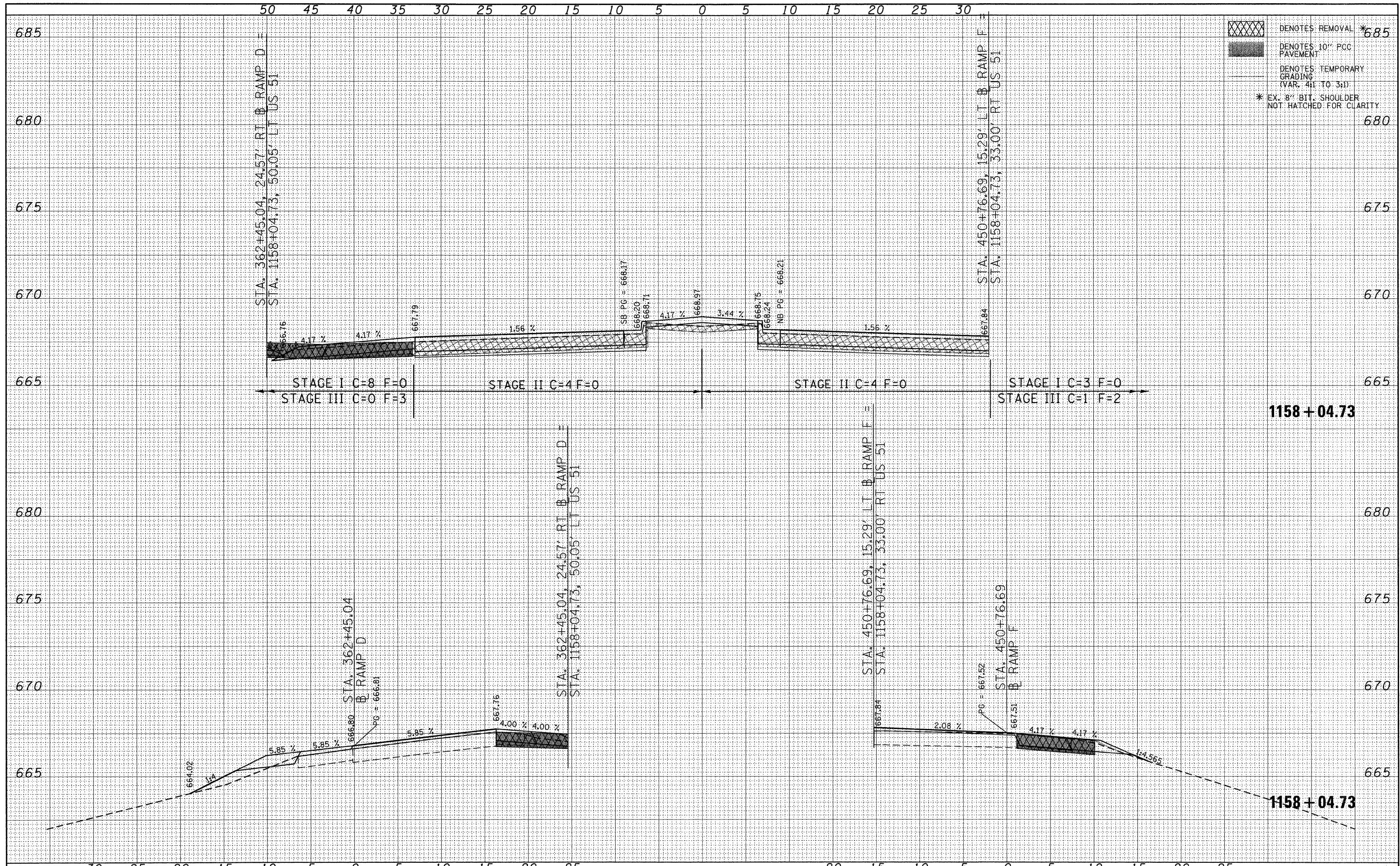
**CROSS SECTIONS**  
**US 51 CROSS SECTIONS**  
 SCALE: 1" = 5"  
 SHEET NO. 28 OF 35 SHEETS  
 STA. 1158+00.00 TO STA. 1158+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(58-64HB-1)B-1	MACON	149	142
CONTRACT NO. 74387			ILLINOIS FED. AID PROJECT	



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

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



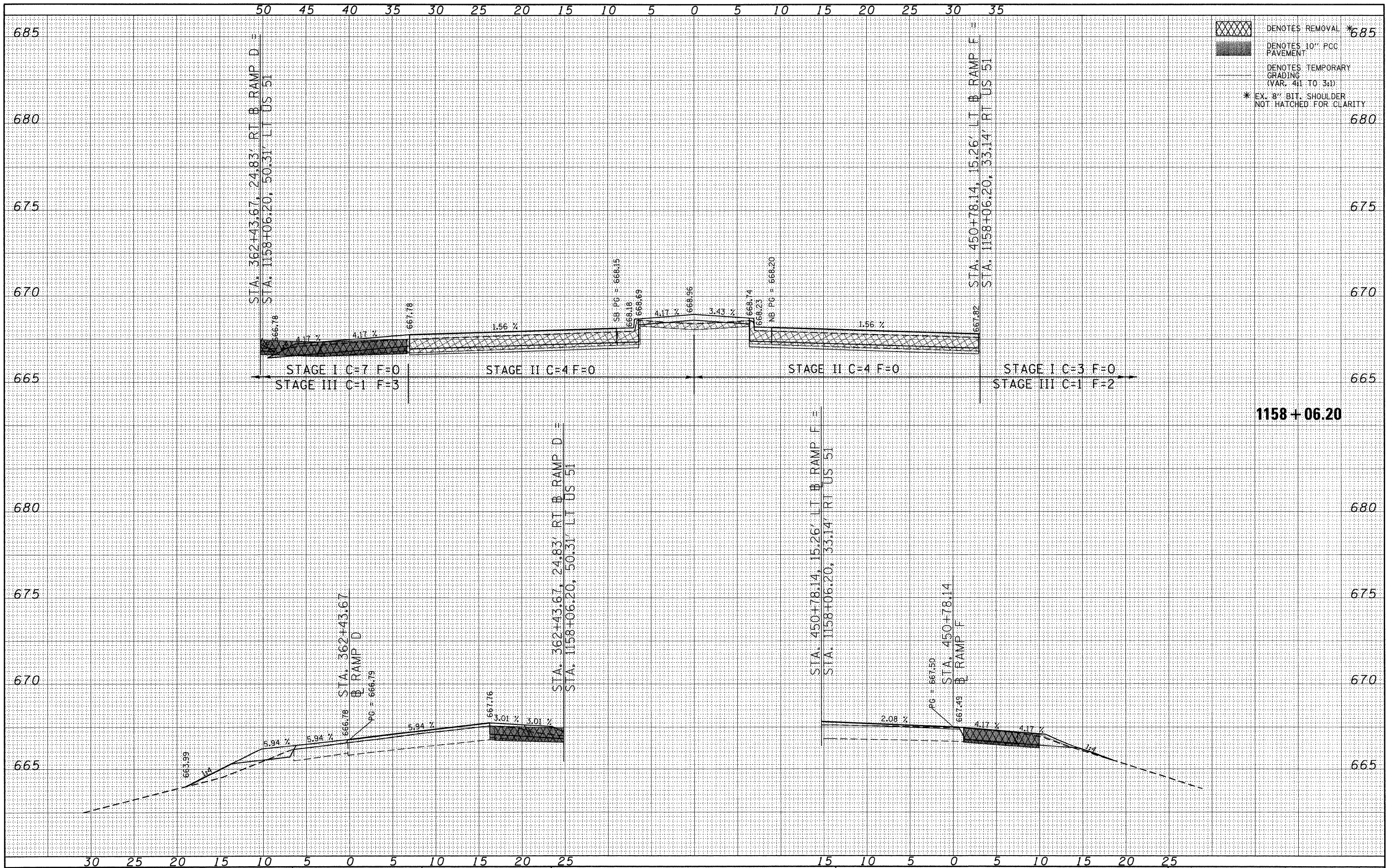
DENOTES REMOVAL \*685  
 DENOTES 10" PCC PAVEMENT  
 DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)  
 \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 51 CROSS SECTIONS</b>				F.A.P. RTE. 322	SECTION (58-64HB-118-1)	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 143
PLOT SCALE = 5.0000' / in.	CHECKED - SJK	DRAWN - JWS	REVISED -		SCALE: 1" = 5"	SHEET NO. 29 OF 35 SHEETS	STA. 1158+04.73 TO STA. 1158+04.73	CONTRACT NO. 74387		ILLINOIS FED. AID PROJECT			
PLOT DATE = 3/12/2010	DATE - 3/12/2010	CHECKED - SJK	REVISED -										
		DATE - 3/12/2010	REVISED -										



FINAL SURVEY	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NO.	PLOTTED		
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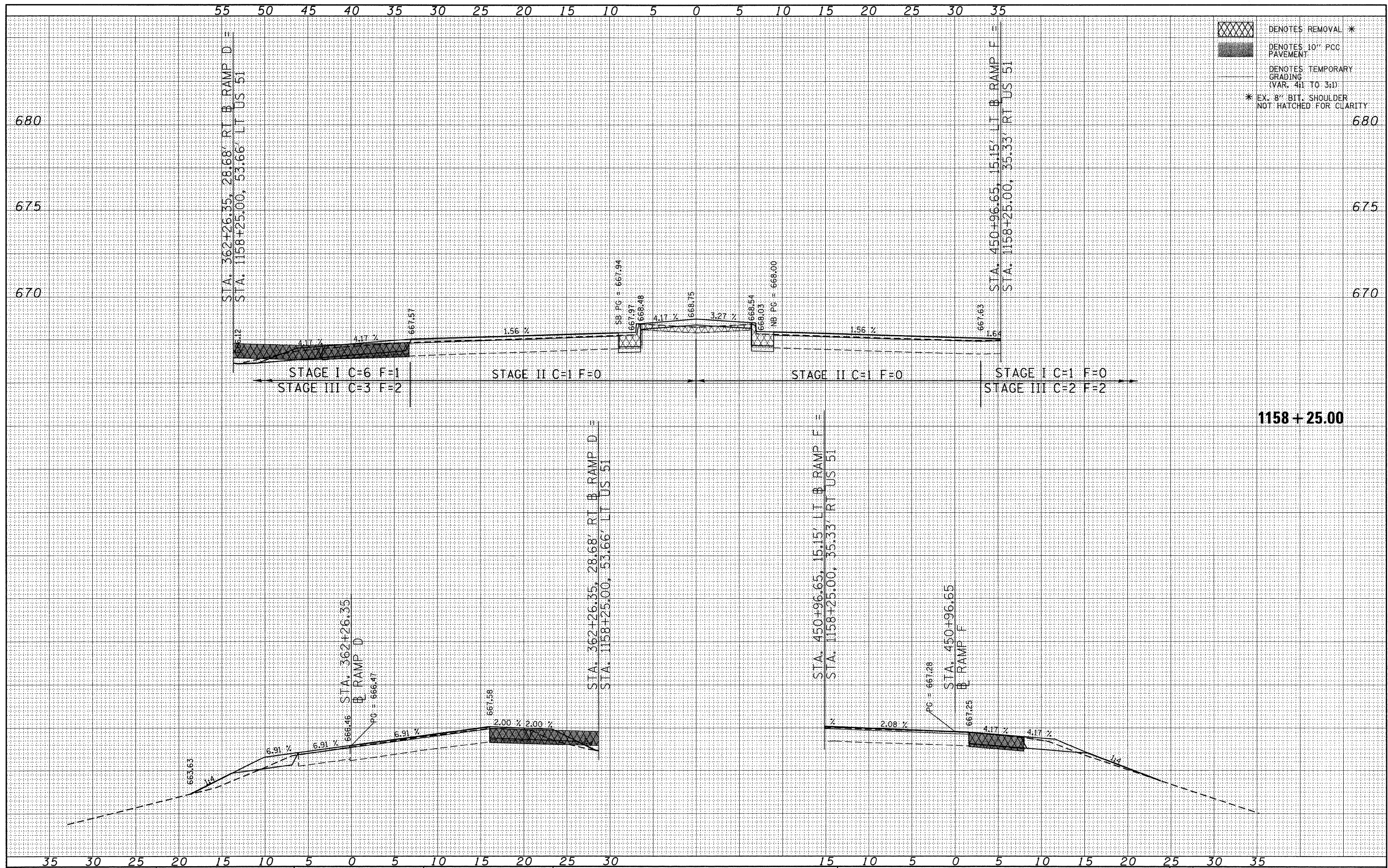
DENOTES REMOVAL \*685  
 DENOTES 10" PCC PAVEMENT  
 DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)  
 \* EX. 3" BIT. SHOULDER NOT HATCHED FOR CLARITY

FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 51 CROSS SECTIONS</b>		F.A.P. RTE. 322	SECTION (58-64B-1B-1)	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 144	
PLOT SCALE = 5.0000' / 1"	DATE = 3/12/2010	DRAWN - JWS	REVISED -		SCALE: 1" = 5"	SHEET NO. 30 OF 35 SHEETS	STA. 1158+06.20 TO STA. 1158+06.20	CONTRACT NO. 74387		ILLINOIS FED. AID PROJECT		
		CHECKED - SJK	REVISED -									
		DATE = 3/12/2010	REVISED -									



FINAL SURVEY	SURVEYED	BY	DATE
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ORIGINAL SURVEY	SURVEYED	BY	DATE
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- DENOTES REMOVAL \*
- DENOTES 10" PCC PAVEMENT
- DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)
- \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

**1158 + 25.00**

FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS

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 PLOT SCALE = 5.0000' / in.  
 PLOT DATE = 3/12/2010

DESIGNED - JWS  
 DRAWN - JWS  
 CHECKED - SJK  
 DATE - 3/12/2010

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

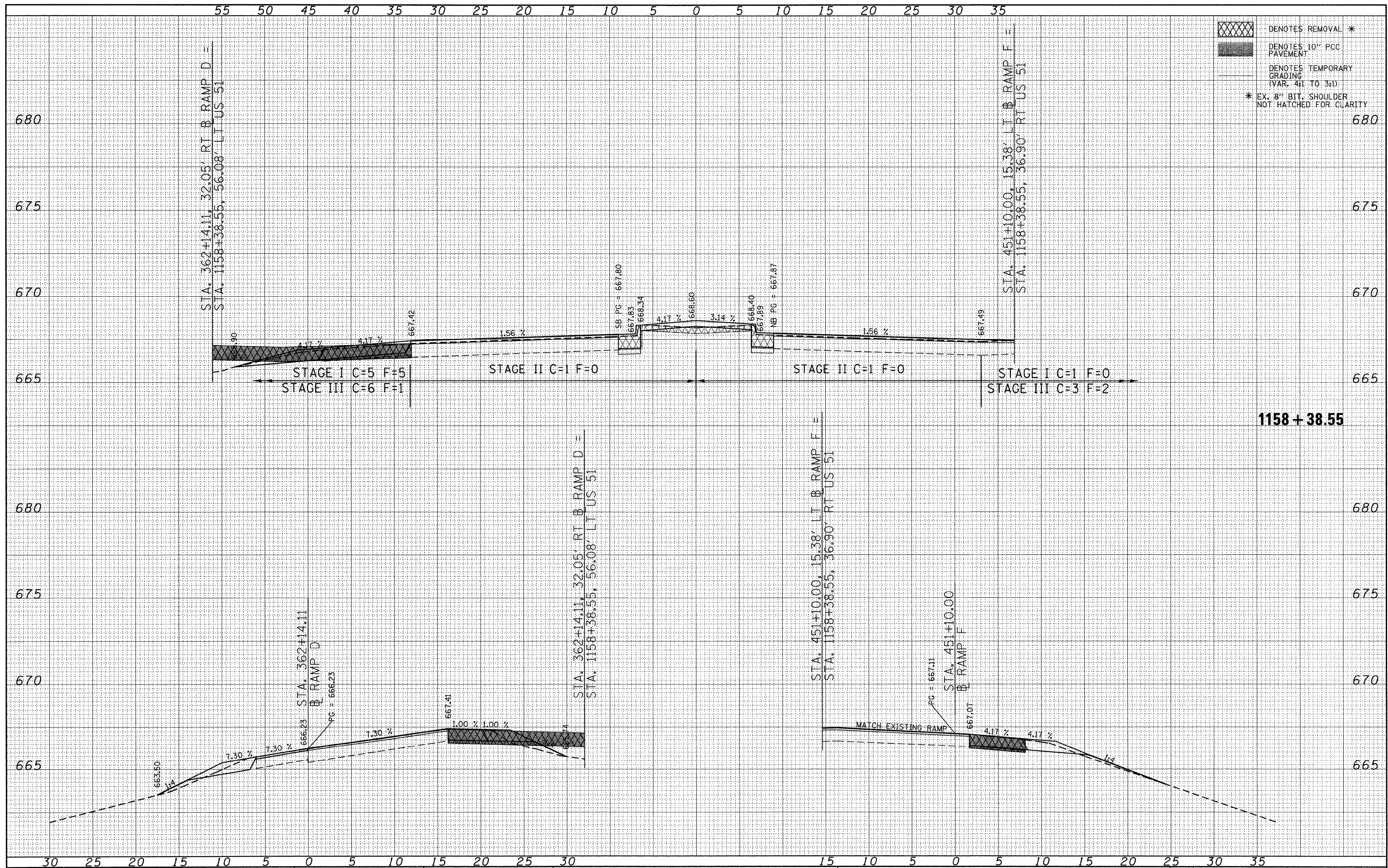
**CROSS SECTIONS  
 US 51 CROSS SECTIONS**  
 SCALE: 1" = 5" SHEET NO. 31 OF 35 SHEETS STA. 1158+25.00 TO STA. 1158+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(58-64HB-1)B-1	MACON	149	145
CONTRACT NO. 74387			ILLINOIS FED. AID PROJECT	



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



DENOTES REMOVAL \*  
 DENOTES 10" PCC PAVEMENT  
 DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)  
 \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS  
 USER NAME = jheger  
 D774387-shr-xasht.dgn  
 PLOT SCALE = 5.0000" / 1"  
 PLOT DATE = 3/12/2010

DESIGNED - JWS  
 DRAWN - JWS  
 CHECKED - SJK  
 DATE - 3/12/2010

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

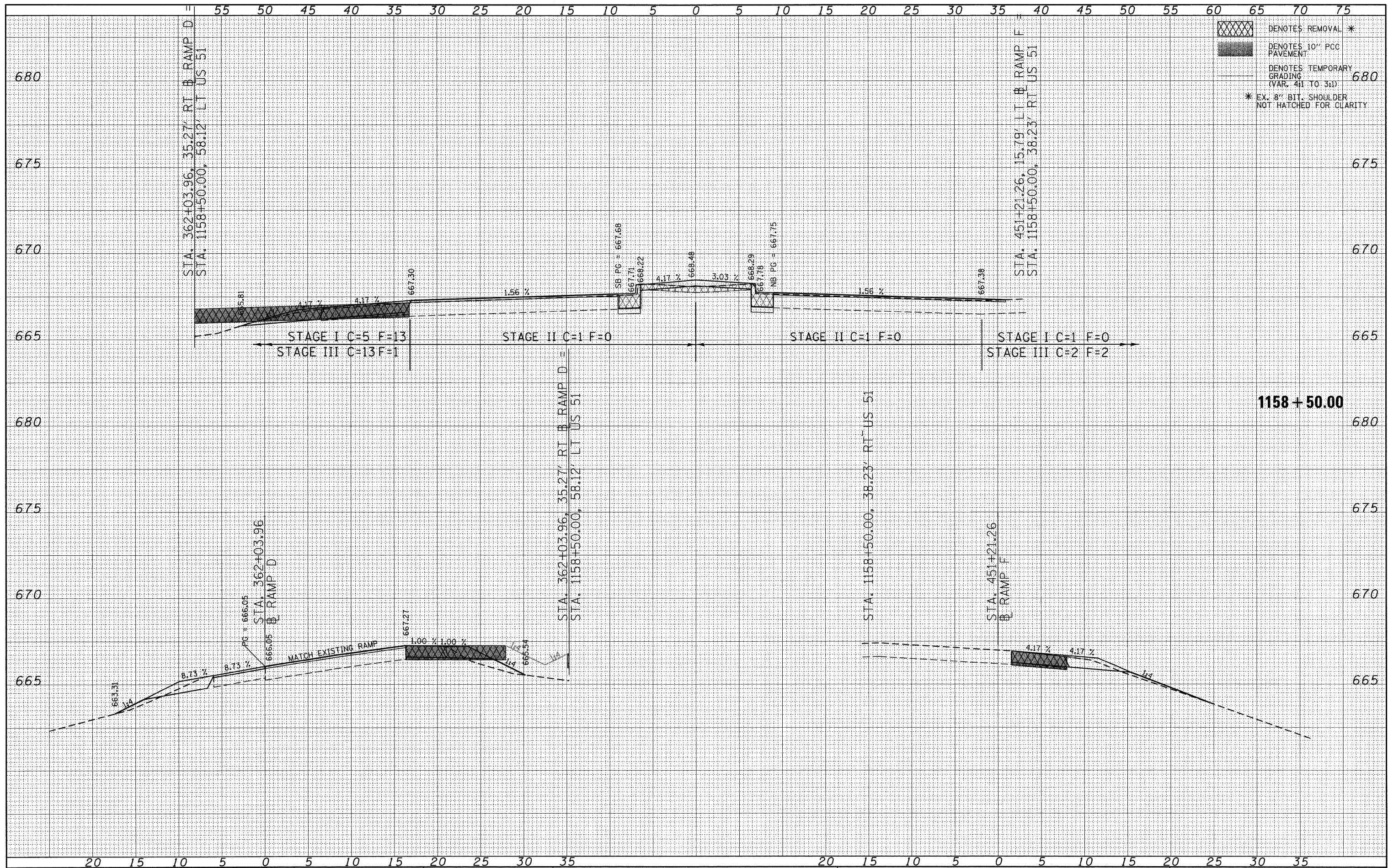
**CROSS SECTIONS**  
**US 51 CROSS SECTIONS**  
 SCALE: 1" = 5" SHEET NO. 32 OF 35 SHEETS STA. 1158+38.55 TO STA. 1158+38.55

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(58-64HB-1)B-1	MACON	149	146
CONTRACT NO. 74387			ILLINOIS FED. AID PROJECT	



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



XXXXX DENOTES REMOVAL \*  
 [Hatched Box] DENOTES 10" PCC PAVEMENT  
 [Dashed Line] DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)  
 \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -
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	PLOT SCALE = 5.0000' / in.	CHECKED - SJK	REVISED -
	PLOT DATE = 3/12/2010	DATE - 3/12/2010	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

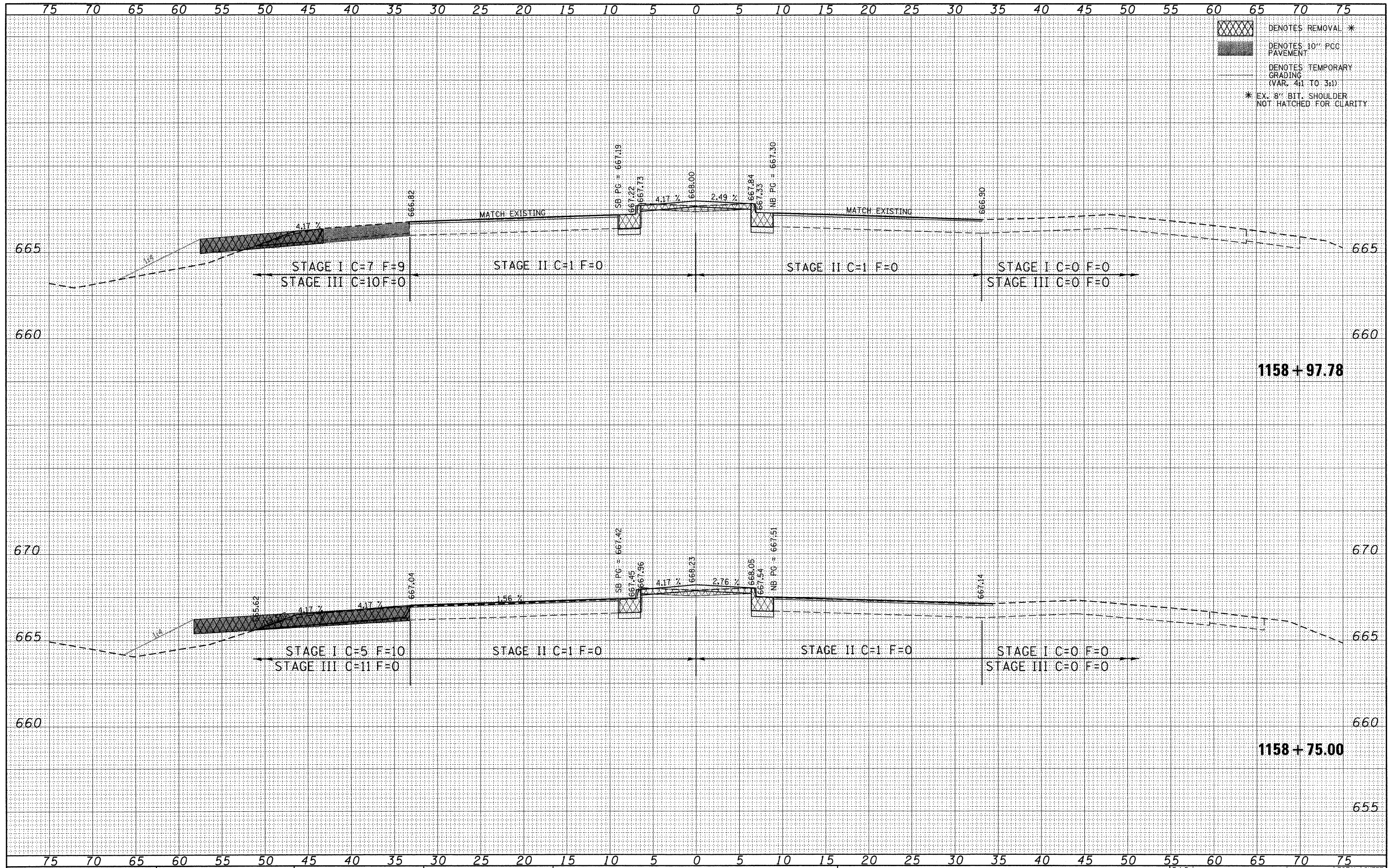
CROSS SECTIONS	
US 51 CROSS SECTIONS	
SCALE: 1" = 5'	SHEET NO. 33 OF 35 SHEETS
STA. 1158+50.00	TO STA. 1158+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(58-64HB-1B-1)	MACON	149	147
CONTRACT NO. 74387			ILLINOIS FED. AID PROJECT	



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



DENOTES REMOVAL \*  
 DENOTES 10" PCC PAVEMENT  
 DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)  
 \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS

USER NAME = jheger  
 D774387-shr-xasht.dgn  
 PLOT SCALE = 5.0000' / 1"  
 PLOT DATE = 3/12/2010

DESIGNED - JWS  
 DRAWN - JWS  
 CHECKED - SJK  
 DATE - 3/12/2010

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

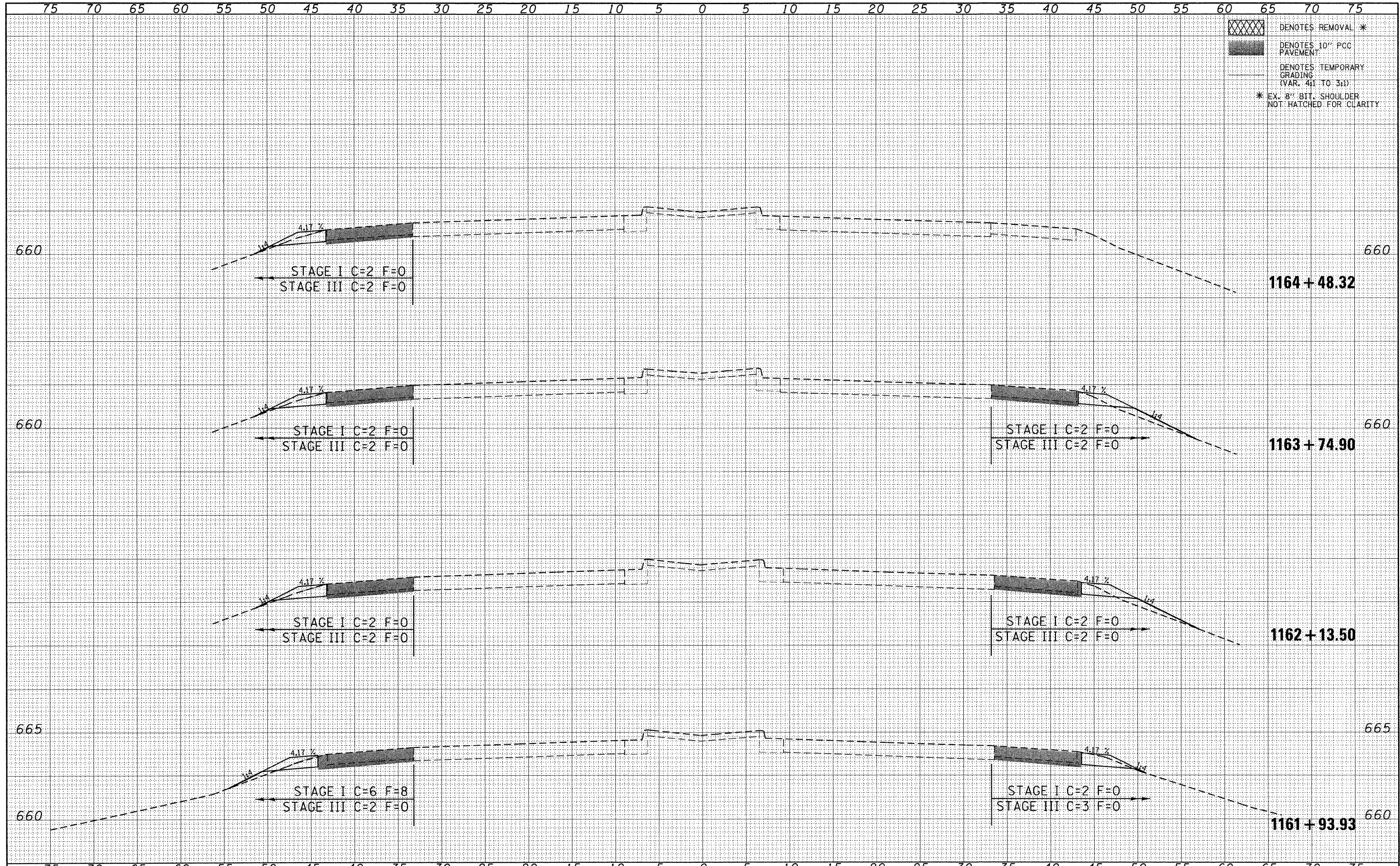
CROSS SECTIONS  
 US 51 CROSS SECTIONS  
 SCALE: 1" = 5" SHEET NO. 34 OF 35 SHEETS STA. 1158+75.00 TO STA. 1158+97.78



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(58-64HB-1)B-1	MACON	149	148
CONTRACT NO. 74387			ILLINOIS FED. AID PROJECT	



DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



 DENOTES REMOVAL \*  
 DENOTES 10" PCC PAVEMENT  
 DENOTES TEMPORARY GRADING (VAR. 4:1 TO 3:1)  
 \* EX. 8" BIT. SHOULDER NOT HATCHED FOR CLARITY

FILE NAME = P:\080276\US 51 over I-72\4-CADD\4.2-TR\SHEETS	USER NAME = jheger	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS US 51 CROSS SECTIONS</b>		F.A.P. RTE. 322	SECTION (58-64HB-1B-1)	COUNTY MACON	TOTAL SHEETS 149	SHEET NO. 149	
	D774387-shr-xsht.dgn	DRAWN - JWS	REVISED -		SCALE: 1" = 5"	SHEET NO. 35 OF 35 SHEETS	STA. 1162+13.50 TO STA. 1164+48.32	CONTRACT NO. 74387		[ILLINOIS] FED. AID PROJECT		
	PLOT SCALE = 5,0000' / in.	CHECKED - SJK	REVISED -									
	PLOT DATE = 3/12/2010	DATE - 3/12/2010	REVISED -									