

# 06-15-12 LETTING ITEM 179

## INDEX OF SHEETS

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- 23 & 24 - CROSS SECTIONS (F.E. STA. 19+60)
- 25 - 27 - CROSS SECTIONS (RICHLAND CREEK)

## STANDARDS

- STANDARD 000001-06
- STANDARD 280001-06
- STANDARD 515001-03
- STANDARD 635006-03
- STANDARD 701901-02
- STANDARD BLR 21-9

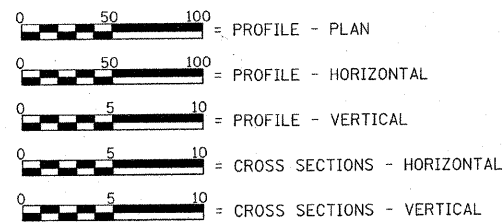
## UTILITIES

SHELBY ELECTRIC COOPERATIVE  
NORTH ROUTE 128  
SHELBYVILLE, ILLINOIS 62565

CONSOLIDATED COMMUNICATIONS INC.  
121 SOUTH 17TH STREET  
MATTOON, ILLINOIS 61938-3915  
217-234-9971

LINCOLN PRAIRIE WATER COMPANY  
ROUTE 128 NORTH  
SHELBYVILLE, IL. 62565  
217-774-3986

## SCALE IN FEET



LAND SECTION - 23  
LAND QUARTER SECTION - N.E.  
FUNCTIONAL CLASSIFICATION: LOCAL ROAD (NON-URBAN)  
A.D.T. - 50 (2009)  
30 M.P.H. DESIGN SPEED

TOLL FREE  
"JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS"  
(J.U.L.I.E.) TELEPHONE NUMBER  
1-800-892-0123

CONTRACT NO. 95688

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED HIGHWAY BRIDGE PROGRAM

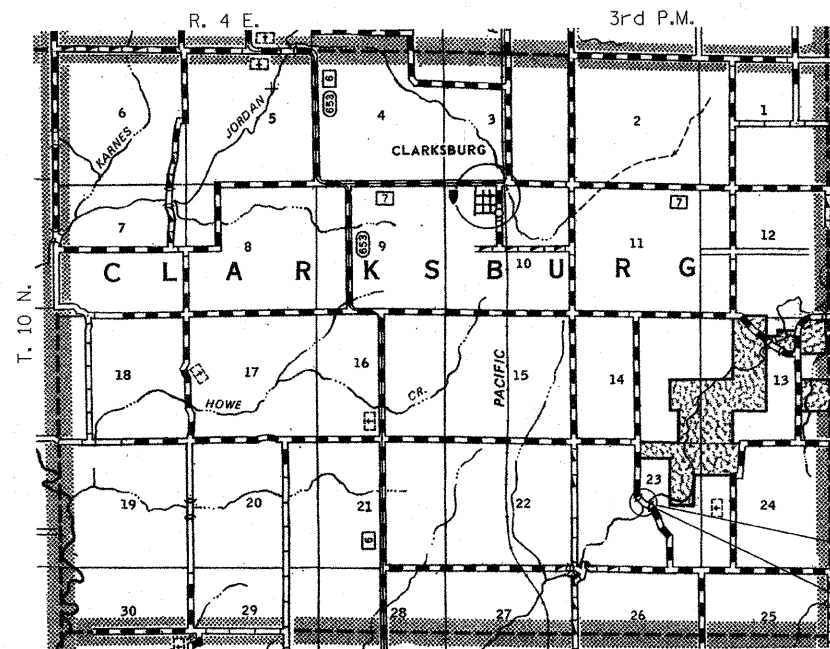
## T.R. 272 OVER RICHLAND CREEK

### SECTION 10-03114-00-BR

### PROJECT BROS-0173(177)

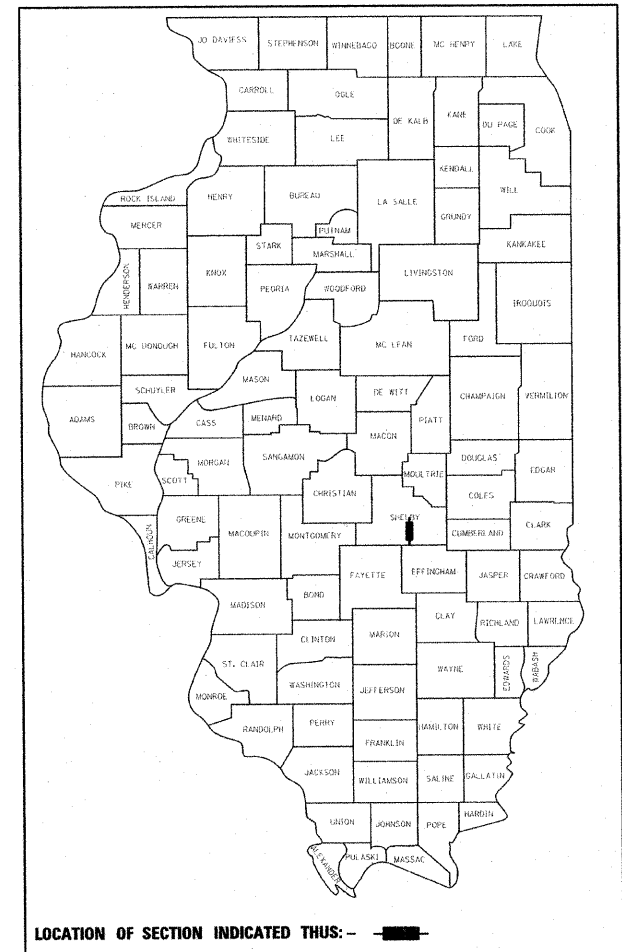
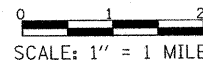
### SHELBY COUNTY

### C-97-069-12



LOCATION PLAN

LENGTH OF SECTION - 740.00 FEET = 0.140 MILES



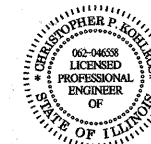
LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

EXISTING STRUCTURE: TWO SPAN TIMBER DECK ON STEEL STRINGERS SUPPORTED BY CLOSED TIMBER ABUTMENTS WITH TIMBER WINGWALLS AND ONE TIMBER PILE BENT PIER. ±80'-0" BK.-BK. ABUTMENTS, ±17'-0" OUT.-OUT. DECK. STEEL RAILING. 0° SKEW.  
EXISTING STRUCTURE NO. 087-3187

PROPOSED STRUCTURE: THREE SPAN PRECAST PRESTRESSED CONCRETE DECK BEAM (33") BRIDGE ON OPEN CONCRETE ABUTMENTS AND SOLID CONCRETE PIERS. 24'-0" OUT. TO OUT. DECK, 176'-0" BK. TO BK. ABUTMENTS. STEEL RAILING TYPE S-1. 0° SKEW  
PROPOSED STRUCTURE NO. 087-3576

PROJECT BEGINS  
STA. 14+00.00

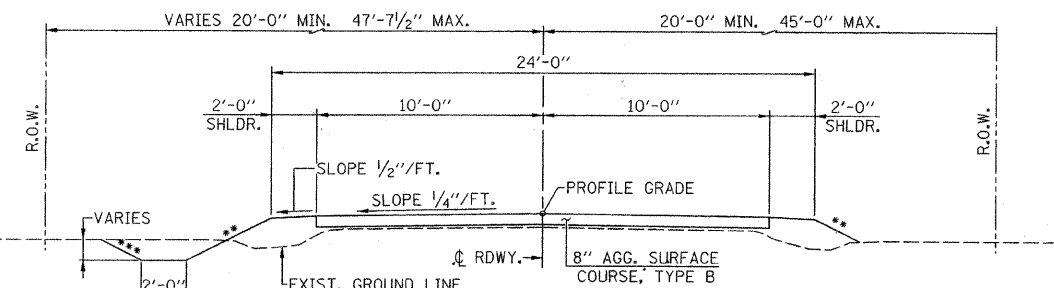
PROJECT ENDS  
STA. 21+40.00



Christopher P. Johnson 4/15/12  
EXPIRATION: 11/30/2015

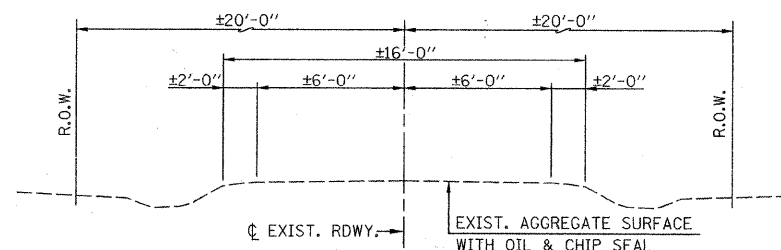
APPROVED 04-09-2012 <i>Robert Allen</i> TOWNSHIP HIGHWAY COMMISSIONER
APPROVED 04-10-2012 <i>S. W. Johnson</i> COUNTY ENGINEER
PASSED 4-23-2012 <i>M. W. Keel</i> DISTRICT SEVEN ENGINEER OF LOCAL ROADS & STREETS
Releasing For Bid Based on Limited Review 4/23, 2012 <i>Roger L. Orsheloff</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION FOUR ENGINEER
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

FILE NAME	USER NAME - \$USERS\$	DESIGNED -	REVISED -	<p>Allen Henderson &amp; Associates, Inc. Civil and Structural Engineers Springfield, IL. 62708 Phone: (217)544-8033 IL Design Firm No. 184-001907</p>	<p>TITLE SHEET</p> <p>SCALE: 1" = 1 MILE SHEET NO. 1 OF 27 SHEETS STA. 14+00.00 TO STA. 21+40.00</p>	T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#PLOT#	PLOT SCALE - \$SCALE#	DRAWN -	REVISED -			272	10-03114-00-BR	SHELBY	27	1
	PLOT DATE - \$DATE#	CHECKED -	REVISED -			STR. NO. 087-3576				CONTRACT NO. 95688
		DATE	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

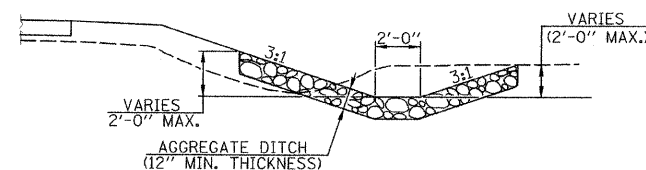


**PROPOSED TYPICAL ROADWAY CROSS SECTION**

••• 3:1 < 6'  
2:1 > 6'  
••••• 3:1 < 10'  
2:1 > 10'



**EXISTING TYPICAL ROADWAY CROSS SECTION**



**AGGREGATE DITCH DETAIL**  
(SEE SPECIAL PROVISIONS)  
(STA. 14+25 TO STA. 15+75 LT. & RT.)

**GENERAL NOTES**

WHERE SECTION OR SUBSECTION STONES ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH STONES ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR REFERENCED THEIR LOCATION.  
SEEDING: FERTILIZER NUTRIENTS SHALL BE APPLIED AT A RATIO OF 1:1:1 AND AT A RATE OF 90 POUNDS PER ACRE FOR EACH NUTRIENT.  
MULCH SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE.  
AREAS TO BE SEEDDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY AND EASEMENT AS DIRECTED BY THE ENGINEER.  
BEFORE ORDERING PIPE CULVERTS CONTRACTOR SHALL CONSULT WITH ENGINEER TO VERIFY LENGTHS.

**SUMMARY OF QUANTITIES**

ITEM	UNIT	QUANTITY
20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	24
20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	66
20100500 TREE REMOVAL, ACRES	ACRE	0.3
20200100 EARTH EXCAVATION	CU. YD.	730
20300100 CHANNEL EXCAVATION	CU. YD.	3387
25000200 SEEDING, CLASS 2	ACRE	1.2
25000400 NITROGEN FERTILIZER NUTRIENT	POUND	108
25000500 PHOSPHORUS FERTILIZER NUTRIENT	POUND	108
25000600 POTASSIUM FERTILIZER NUTRIENT	POUND	108
25100115 MULCH, METHOD 2	ACRE	1.2
28000250 TEMPORARY EROSION CONTROL SEEDING	POUND	150
28000305 TEMPORARY DITCH CHECKS	FOOT	70
28000400 PERIMETER EROSION BARRIER	FOOT	1267
28000500 INLET AND PIPE PROTECTION	EACH	4
28100807 STONE DUMPED RIPRAP, CLASS A4	TON	850
28200200 FILTER FABRIC	SQ. YD.	1180
28300400 AGGREGATE DITCH	TON	188
40200800 AGGREGATE SURFACE COURSE, TYPE B	TON	636
50100100 REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100 STRUCTURE EXCAVATION	CU. YD.	82
50200300 COFFERDAM EXCAVATION	CU. YD.	86
50201121 COFFERDAM (TYPE 2), LOCATION 1	EACH	1
50201122 COFFERDAM (TYPE 2), LOCATION 2	EACH	1
50300225 CONCRETE STRUCTURES	CU. YD.	97.7
50300280 CONCRETE ENCASMENT	CU. YD.	18.3
50400605 PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ. FT.	4188
50800105 REINFORCEMENT BARS	POUND	11085
50900205 STEEL RAILING, TYPE S1	FOOT	352
51201400 FURNISHING STEEL PILES HP 10X42	FOOT	160
51201600 FURNISHING STEEL PILES HP 12X53	FOOT	300
51500100 NAME PLATES	EACH	1
542D0220 PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	96
542D0223 PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	36
67100100 MOBILIZATION	L. SUM	1
78201000 TERMINAL MARKER - DIRECT APPLIED	EACH	4
Z0065000 SETTING PILES IN ROCK	EACH	20

• SEE SPECIAL PROVISIONS  
 Δ SPECIALTY ITEMS  
 CONSTRUCTION TYPE CODE: 0011  
 BRIDGE TYPE CODE: X080

**SCHEDULE TREE REMOVAL**

LOCATION	6 TO 15 UNITS DIAMETER (UNIT)	OVER 15 UNITS DIAMETER (UNIT)
STA. 19+05 14' RT. 2 - 12"Ø	24	
STA. 19+03 14' RT.		48
STA. 19+23 4' RT.		18
TOTAL	24	66

**SCHEDULE TEMPORARY DITCH CHECKS**

LOCATION	QUANTITY (FOOT)
STA. 15+00 20.5' LT. & 20.5' RT.	24
STA. 16+00 27' LT. & 24' RT.	20
STA. 17+50 35' LT. & 35' RT.	26
TOTAL	70

**SCHEDULE TREE REMOVAL, ACRES**

LOCATION	QUANTITY (ACRE)
STA. 14+15 20' RT. TO STA. 16+08 31' RT.	0.04
STA. 14+15 20' LT. TO STA. 14+90 30' LT.	0.02
STA. 17+53 85' RT. TO STA. 17+98 118' RT.	0.09
STA. 19+20 120' RT. TO STA. 20+27 30' RT.	0.14
TOTAL	0.29

SAY 0.3 ACRE

**SCHEDULE INLET & PIPE PROTECTION**

LOCATION	QUANTITY (EACH)
STA. 15+06 20' RT.	1
STA. 15+38 22' RT.	1
STA. 19+30 32' RT.	1
STA. 19+95 17' RT.	1
TOTAL	4

**SCHEDULE FENCE REMOVAL**

LOCATION	QUANTITY (FOOT)
STA. 15+45 TO STA. 16+27 RT.	82
TOTAL	82

THIS SCHEDULE IS FOR INFORMATION PURPOSES ONLY. NOT TO BE PAID FOR SEPARATELY BUT COST TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

**SCHEDULE AGGREGATE DITCH**

LOCATION	AGGREGATE DITCH QUANTITY	
	LT. (TON)	RT. (TON)
STA. 14+25 TO STA. 14+50	17	10
STA. 14+50 TO STA. 15+00	33	31
STA. 15+00 TO STA. 15+50	29	37
STA. 15+50 TO STA. 15+75	14	17
SUB-TOTAL	93	95
TOTAL	188	

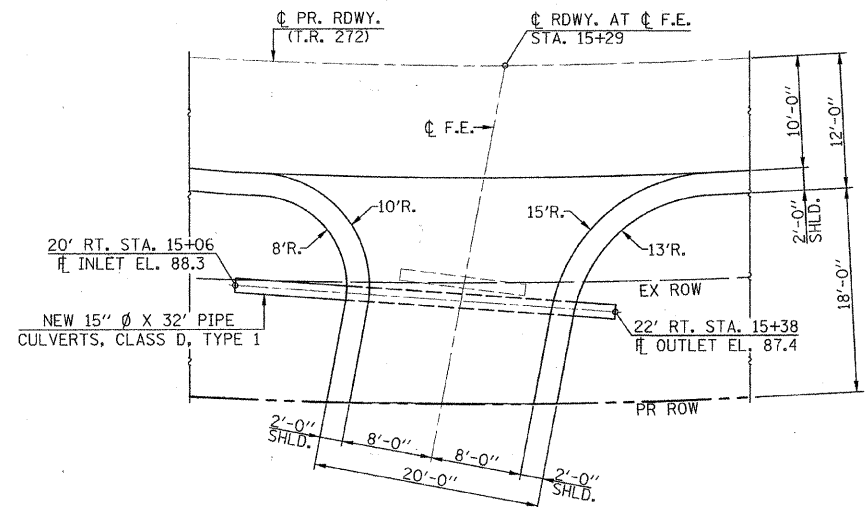
**SCHEDULE PERIMETER EROSION CONTROL BARRIER**

LOCATION	QUANTITY (FOOT)
STA. 14+05 20' RT. TO STA. 15+10 30' RT.	115
STA. 15+40 30' RT. TO STA. 18+00 120' RT.	287
STA. 19+20 120' RT. TO STA. 20+35 30' RT.	147
STA. 14+05 20' LT. TO STA. 18+20 120' LT.	446
STA. 19+00 100' LT. TO STA. 21+40 20' LT.	272
TOTAL	1267

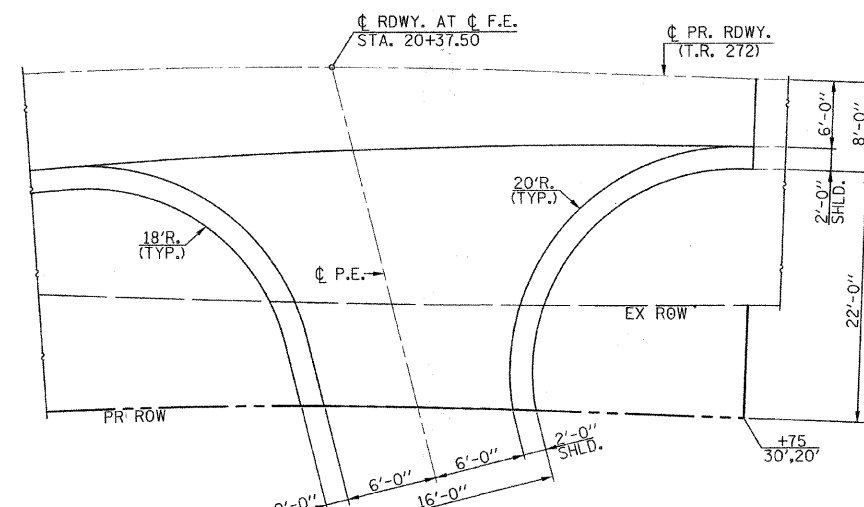
**CHANNEL & EARTHWORK SCHEDULE**

LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU. YD.	CU. YD.	CU. YD.	CU. YD.
STA. 14+00 TO STA. 14+50	24	18	6	12
STA. 14+50 TO STA. 15+00	38	29	31	-2
STA. 15+00 TO STA. 15+50	21	16	84	-68
STA. 15+50 TO STA. 16+00	16	12	128	-116
STA. 16+00 TO STA. 16+50	12	9	202	-193
STA. 16+50 TO STA. 17+00	15	11	306	-295
STA. 17+00 TO STA. 17+50	34	26	363	-337
STA. 17+50 TO STA. 17+62	11	8	89	-81
BRIDGE OMISSION - STA. 17+62 TO STA. 19+38				
STA. 19+38 TO STA. 19+50	12	9	3	6
STA. 19+50 TO STA. 20+00	43	32	9	23
STA. 20+00 TO STA. 20+50	25	19	5	14
STA. 20+50 TO STA. 21+00	14	11	23	-12
STA. 21+00 TO STA. 21+40	6	4	17	-13
F.E. STA. 19+60 RT.	459	344	30	314
TOTAL	730	547	1896	-749 ****
CHANNEL EXCAVATION				
STA. 30+00 TO STA. 30+50	58	43	11	32
STA. 30+50 TO STA. 31+00	907	680	14	666
STA. 31+00 TO STA. 31+50	1646	1235	3	1232
STA. 31+50 TO STA. 32+00	776	582	2	580
TOTAL	3387	2540	30	2510

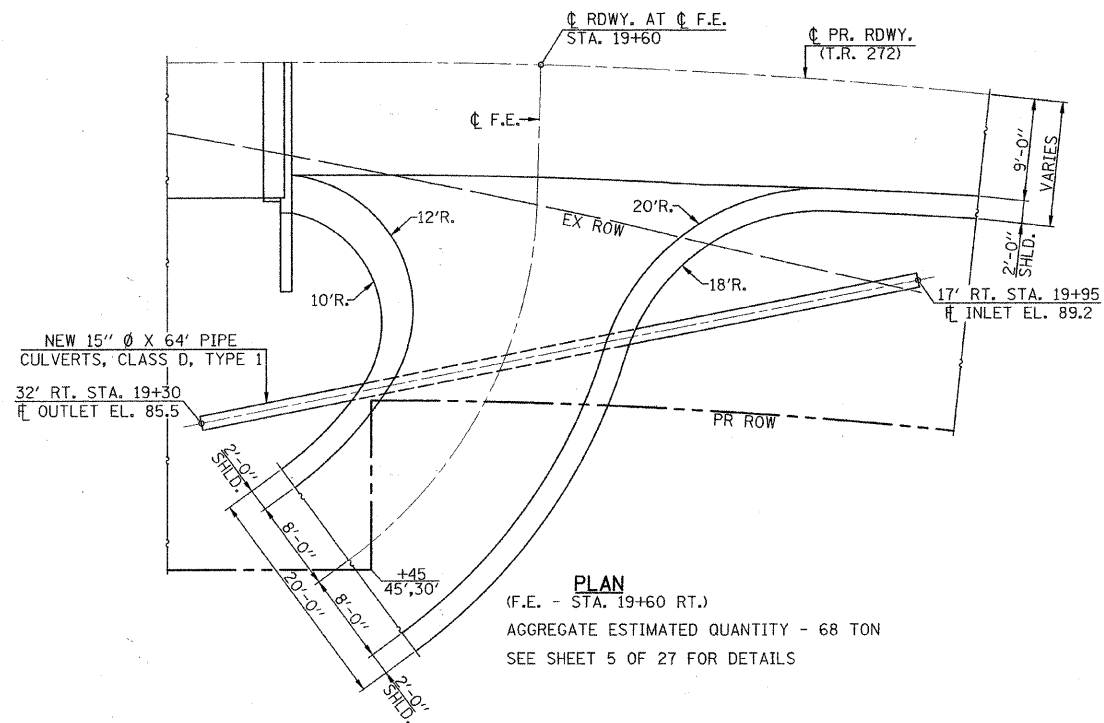
\*\*\*\* NO FURNISHED EXCAVATION REQUIRED BECAUSE SUITABLE EXCESS CHANNEL EXCAVATION WILL BE UTILIZED. ESTIMATED AT 50% - 1205 CU. YDS.  
 THE COST OF DISPOSING EXCESS CHANNEL AND STRUCTURE EXCAVATION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.



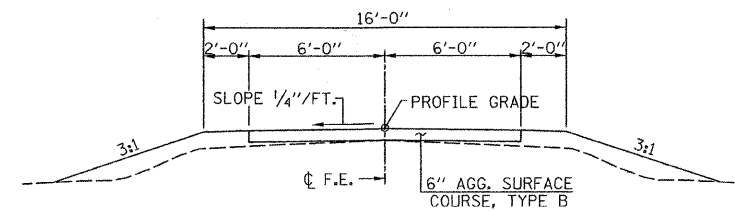
**PLAN**  
(F.E. - STA. 15+29 RT.)  
AGGREGATE ESTIMATED QUANTITY - 15 TON



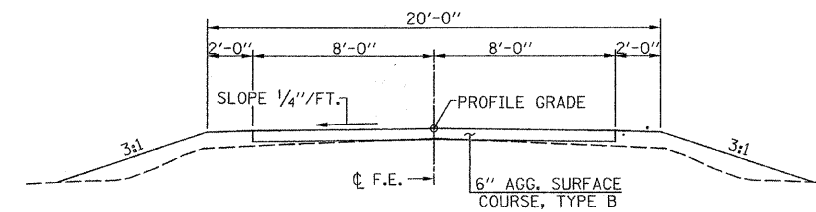
**PLAN**  
(P.E. - STA. 20+37.50 RT.)  
AGGREGATE ESTIMATED QUANTITY - 22 TON




**PLAN**  
(F.E. - STA. 19+60 RT.)  
AGGREGATE ESTIMATED QUANTITY - 68 TON  
SEE SHEET 5 OF 27 FOR DETAILS



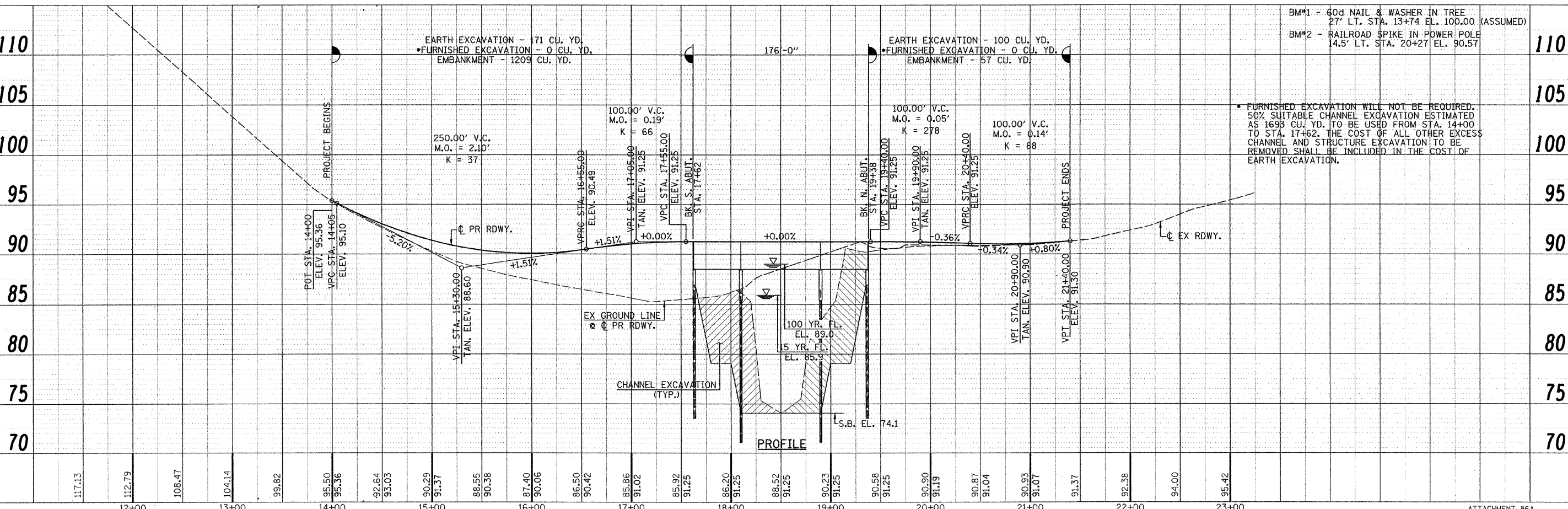
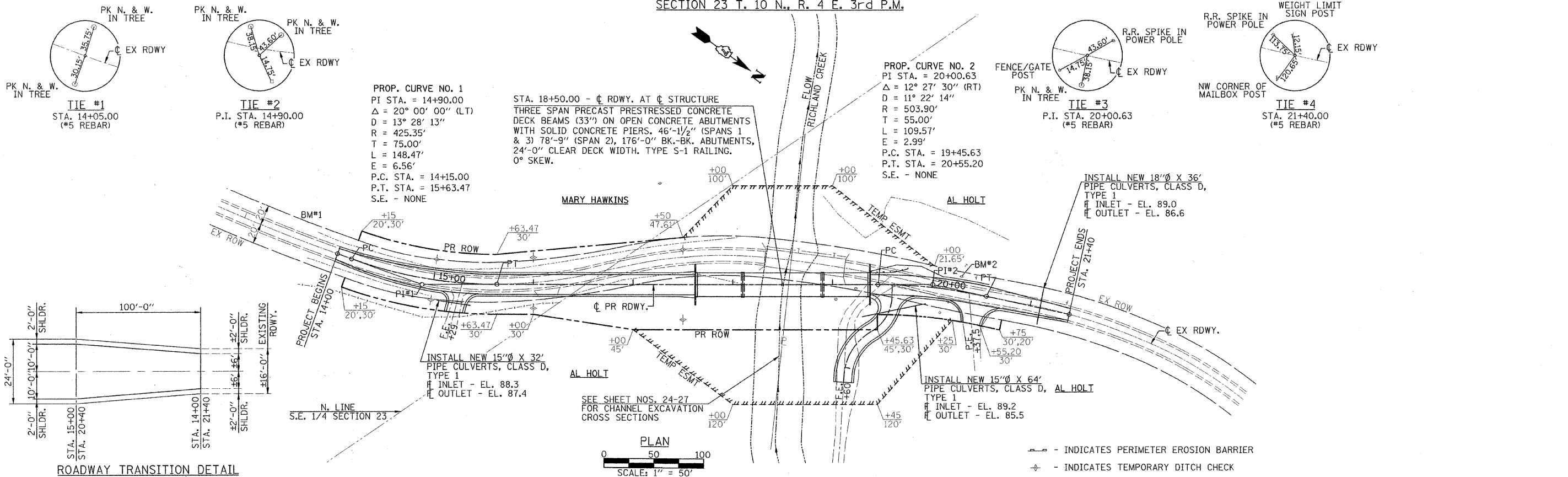
**TYPICAL PRIVATE ENTRANCE**  
(P.E. - STA. 20+37.50 RT.)



**TYPICAL FIELD ENTRANCE**  
(F.E. - STA. 15+29 RT. &  
F.E. - STA. 19+60 RT.)

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	 <b>Allen Henderson &amp; Associates, Inc.</b> Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907	<b>DETAILS &amp; TYPICAL SECTIONS</b>			T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#	FLOT SCALE = #SCALE#	DRAWN -	REVISED -					272	10-03114-00-BR	SHELBY	27	3
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		DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SECTION 23 T. 10 N., R. 4 E. 3rd P.M.



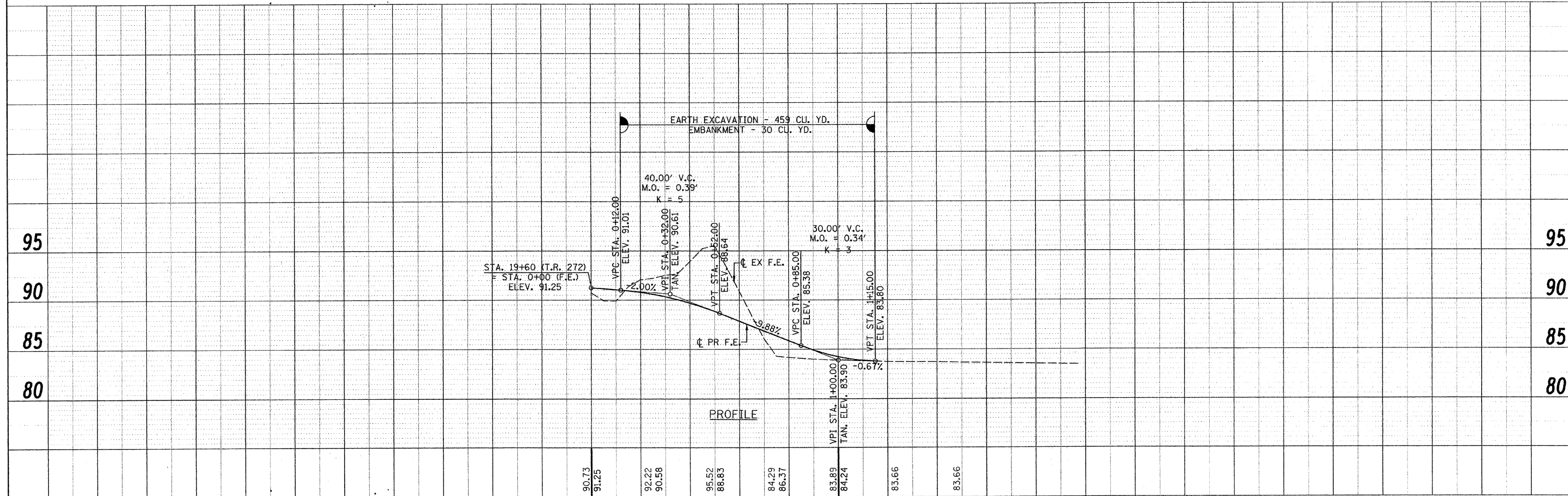
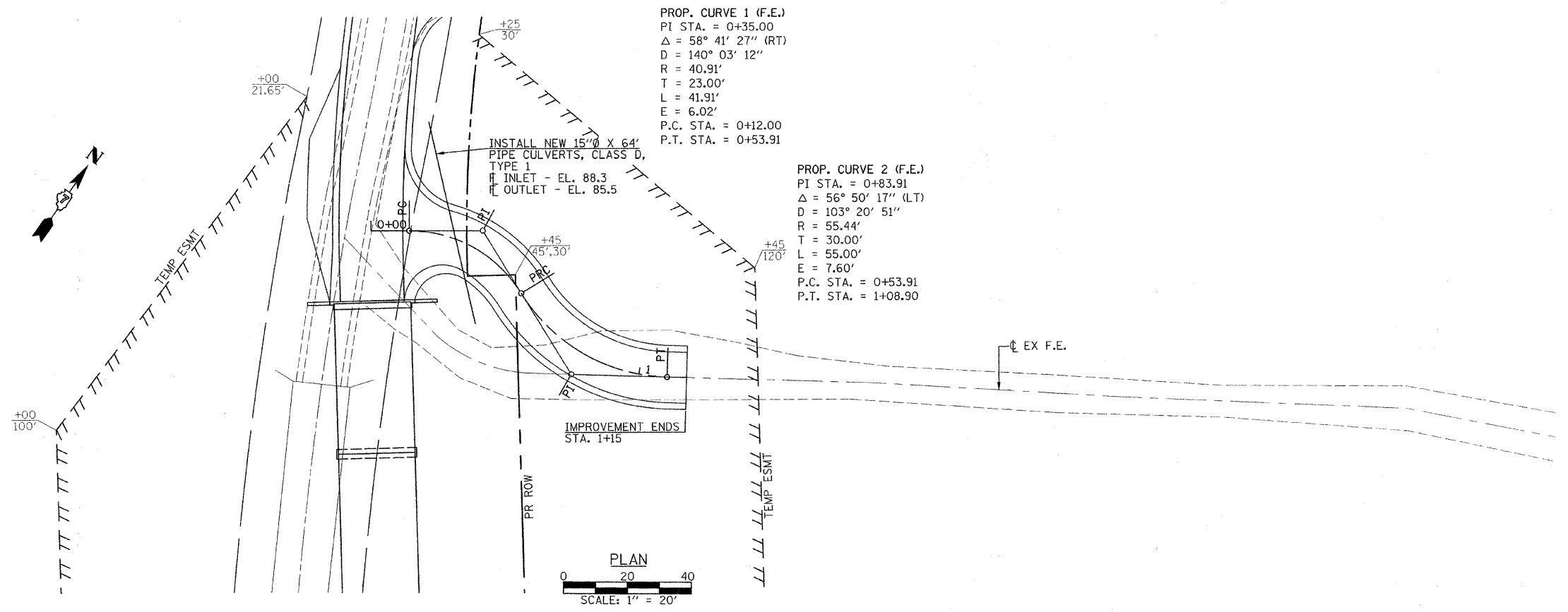
DATE	
BY	
REVISIONS	
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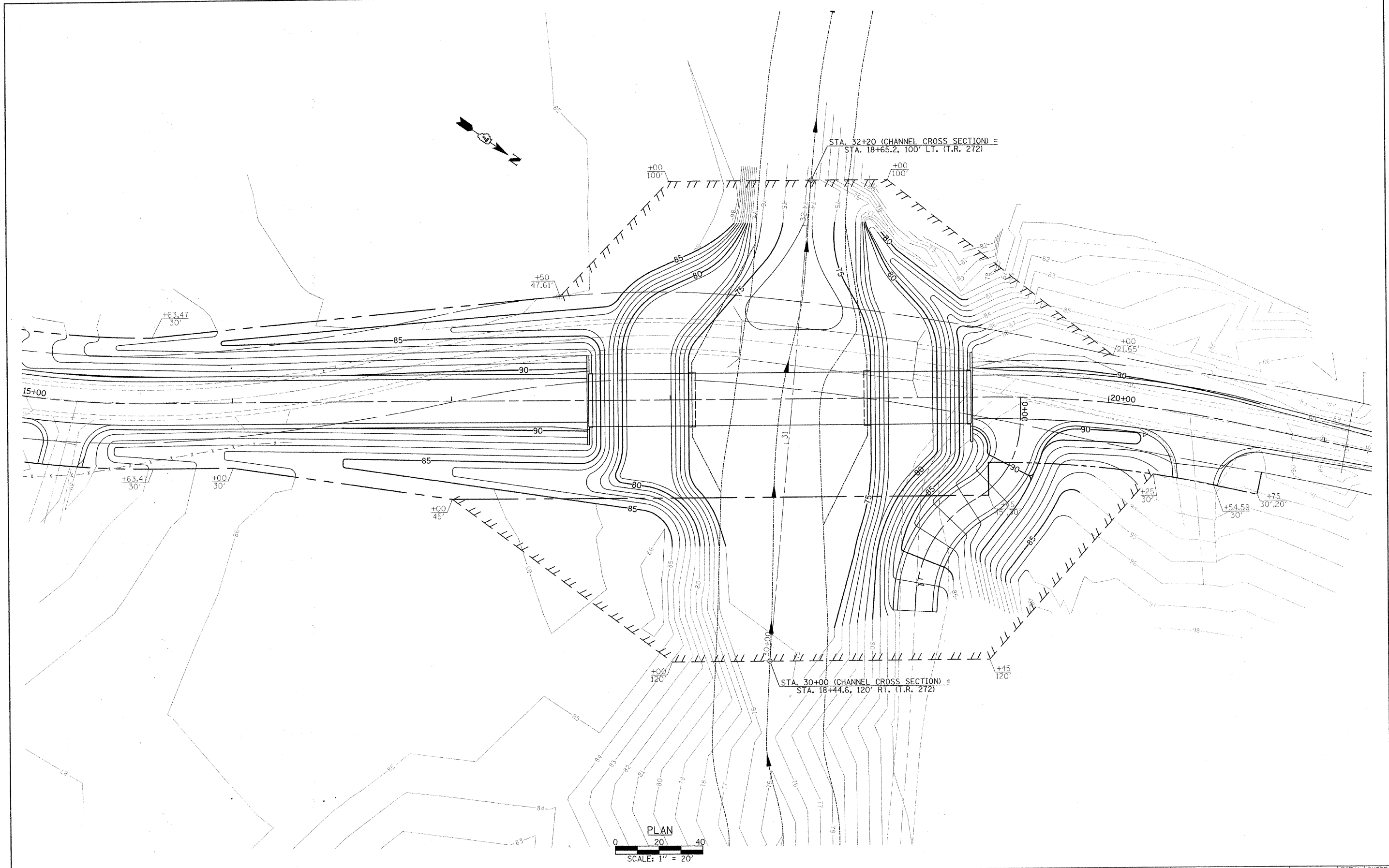
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#FILE#		CHECKED -	REVISD -		<p>FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT</p>		<p>CONTRACT NO. 95688</p>				
PLOT SCALE = #SCALE#		DRAWN -	REVISD -								
PLOT DATE = #DATE#		CHECKED -	REVISD -								

PLAN	SUBMITTED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK	
	FILE NAME	

PROFILE	SUBMITTED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK	
	FILE NAME	



FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -	<b>Allen Henderson &amp; Associates, Inc.</b> Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907	<b>PLAN &amp; PROFILE</b> (F.E. STA. 19+60 RT.)		T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = *DATE*	DRAWN -	REVISED -		CONTRACT NO. 95688			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	
		CHECKED -	REVISED -		SCALE: 1" = 20'		SHEET NO. 5 OF 27 SHEETS				



**Allen Henderson & Associates, Inc.**  
 Civil and Structural Engineers Springfield, IL.  
 62703 Phone: (217)544-8033 IL Design Firm  
 No. 184-001907

**GRADING PLAN**

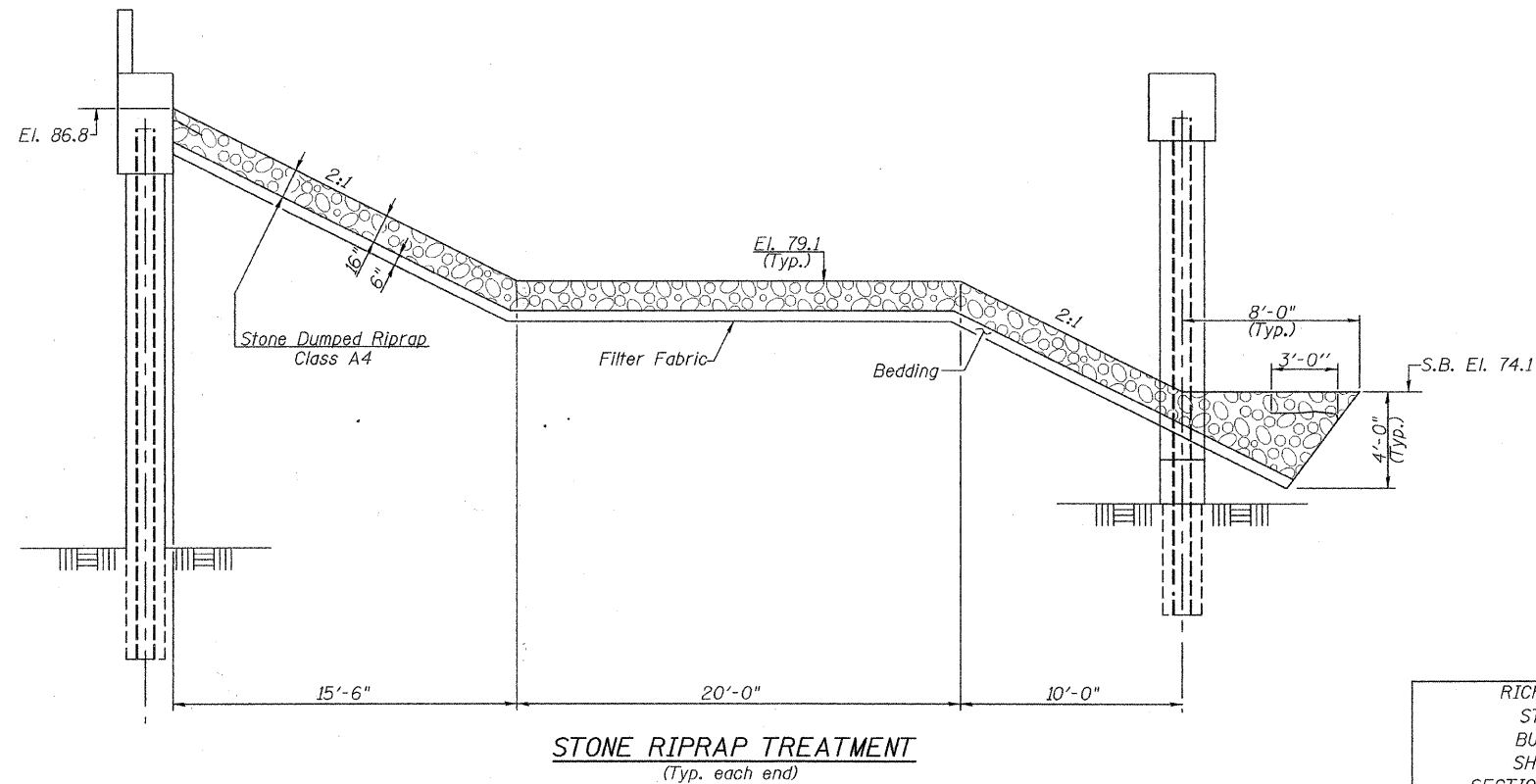
SCALE: 1" = 20' SHEET NO. 6 OF 27 SHEETS STA. 14+00.00 TO STA. 21+40.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
272	10-03114-00-BR	SHELBY	27	6
CONTRACT NO. 95688				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

FILE NAME =	USER NAME = #USER#
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PLOT DATE = #DATE#	DATE -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -





RICHLAND CREEK  
 STA. 18+50.00  
 BUILT 20 BY  
 SHELBY COUNTY  
 SECTION 10-03114-00-BR  
 STR. NO. 087-3576 LOADING HL-93  
**NAME PLATE**  
 (Standard 515001)

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.			3237
Stone Dumped Riprap, Class A4	Ton			850
Filter Fabric	Sq. Yd.			1180
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		82	82
Cofferdam Excavation	Cu. Yd.		86	86
Cofferdam (Type 2), Location 1	Each		1	1
Cofferdam (Type 2), Location 2	Each		1	1
Concrete Structures	Cu. Yd.		97.7	97.7
Concrete Encasement	Cu. Yd.		18.3	18.3
Precast Prestressed Concrete Deck Beams (33" Depth)	Sq. Ft.	4188		4188
Reinforcement Bars	Pound		11085	11085
Steel Railing, Type S-1	Foot	352		352
Furnishing Steel Piles HP 10x42	Foot		160	160
Furnishing Steel Piles HP 12x53	Foot		300	300
Name Plates	Each		1	1
Setting Piles in Rock	Each		20	20

**LOADING HL-93**

Allow 50#/sq. ft. for future wearing surface.

**DESIGN SPECIFICATIONS**

2010 AASHTO LRFD Bridge Design Specifications, 5th Edition

**DESIGN STRESSES**

**FIELD UNITS**

$f'_c = 3500$  psi  
 $f_y = 60000$  psi (Reinforcement)

**PRECAST PRESTRESSED UNITS**

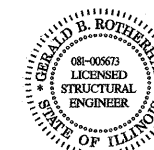
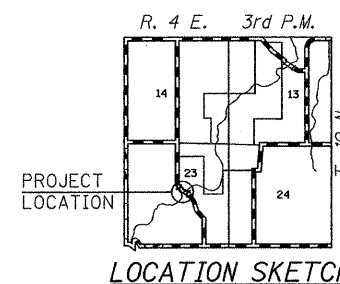
$f'_c = 6000$  psi  
 $f'_{ci} = 5000$  psi  
 $f_{pu} = 270000$  psi ( $\frac{1}{2}$ " low lax strands)  
 $f_{pbi} = 201960$  psi ( $\frac{1}{2}$ " low lax strands)

**GENERAL NOTES**

See Proposal for Boring Data.  
 Reinforcement bars shall conform to the requirements of ASTM A706, Grade 60.  
 The layout of the riprap slope wall may be varied to suit ground conditions in the field as determined by the Engineer.

**WATERWAY INFORMATION**

Drainage Area = 39.05 Sq. Mi.		Pr. Low Grade Elev. 90.06		Sta. 16+00		
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exlst. Prop.	Natural H.W.E.	Head - ft. Exlst. Prop.	Headwater El. Exlst. Prop.
Design	15	4912	612 1735	87.3	0.2 0.3	87.5 87.6
Base	100	8265	612 1906	89.5	0.5 0.5	90.0 90.0
Exist. Overtop.	9.4	4350				
Prop. Overtop.	180	9150				
Max. Calc.	500	11157	612 1906	91.1	0.4 0.7	91.5 91.8



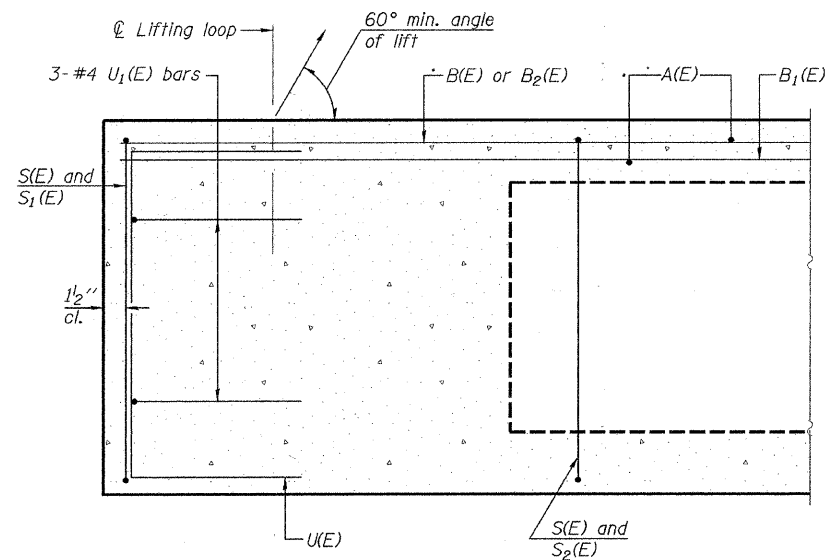
I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "A.A.S.H.T.O. LRFD Bridge Design Specifications.

*Gerald B. Rothert*  
 Expiration Date 11/30/2012  
 Dated: 4/5/2012

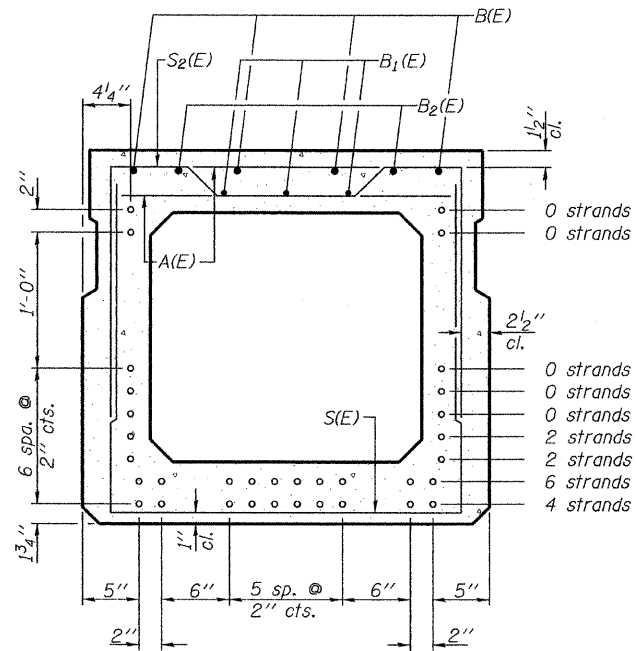
FILE NAME	USER NAME	DESIGNED	REVISD	Allen Henderson & Associates, Inc.	GENERAL DATA	I.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED	REVISD	Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907	SHEET NO. 2 OF 10 SHEETS	272	10-03114-00-BR	SHELBY	27	8
		DRAWN	REVISD							
		CHECKED	REVISD							

ILLINOIS FED. AID PROJECT





SECTION A-A

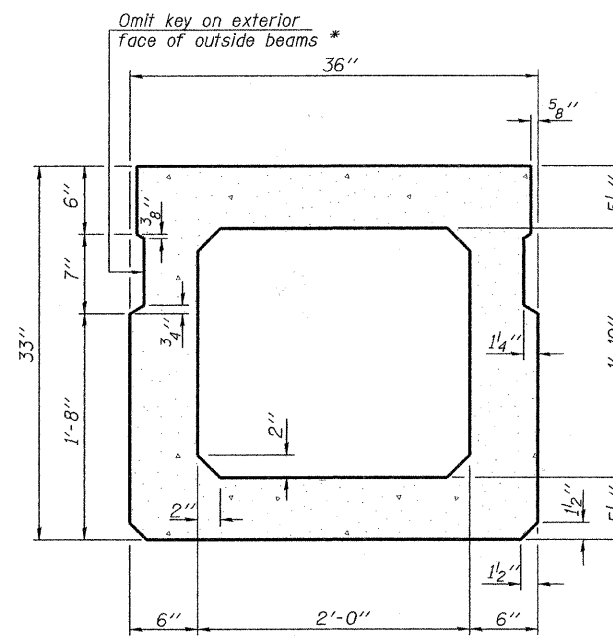


SECTION B-B

(Showing reinforcement and permissible strand locations)

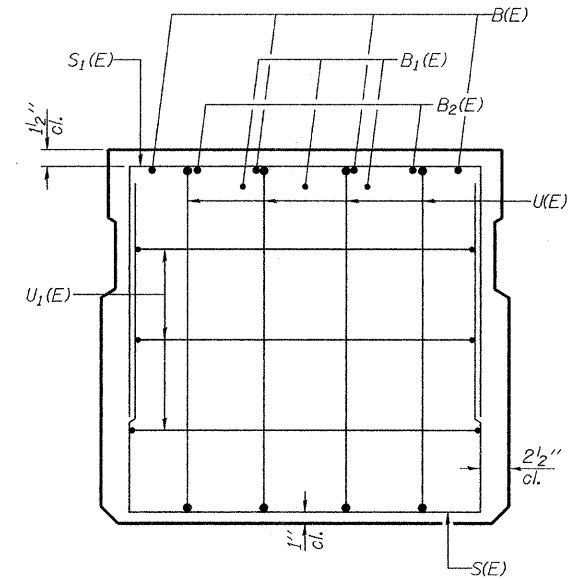
Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

\* Rail Post Anchors (sht. 7 of 10) to be cast into exterior face of outside beams



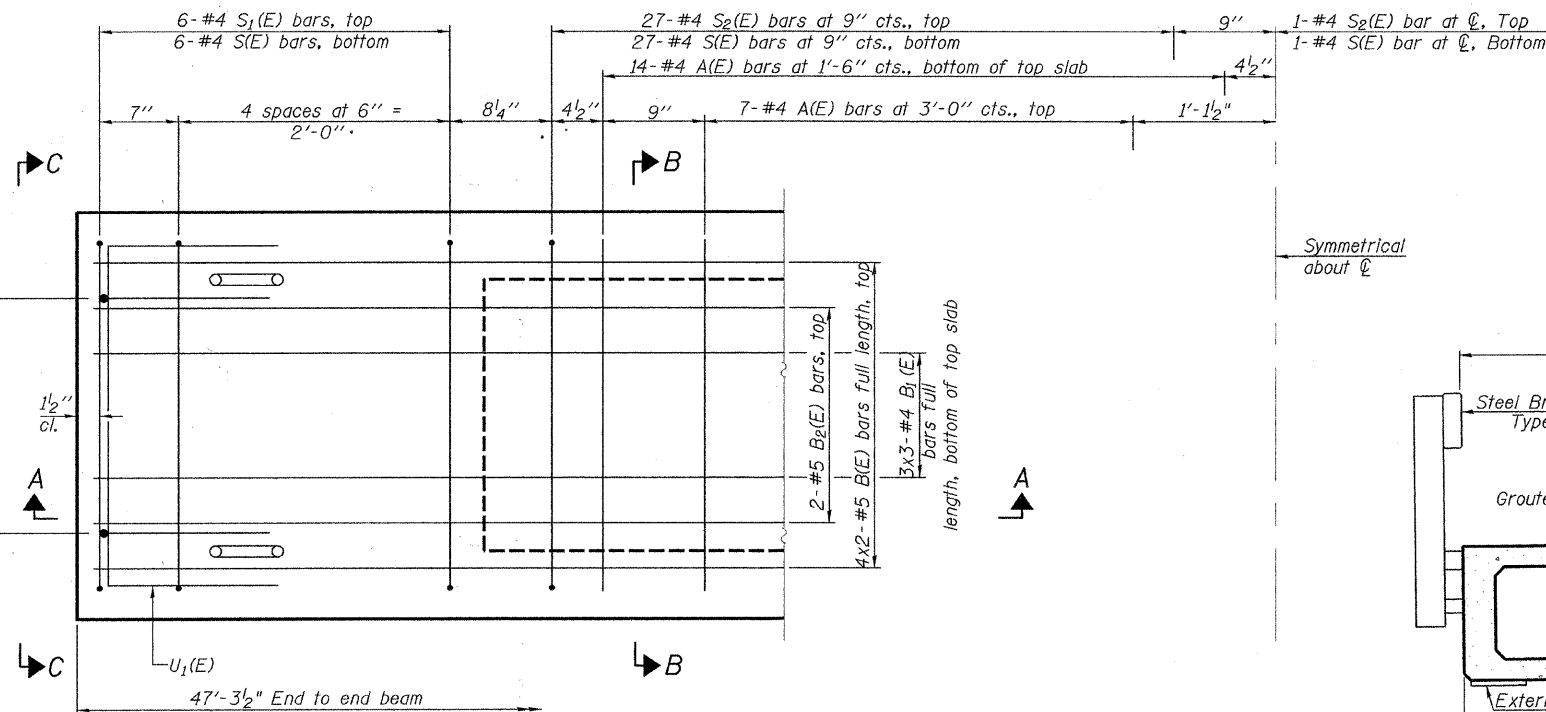
SECTION B-B

(Showing dimensions)



VIEW C-C

Notes: After beams have been erected, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure min. 24 hrs. prior to grouting the shear keys. All horizontal dimensions are at right angles to beam ends.

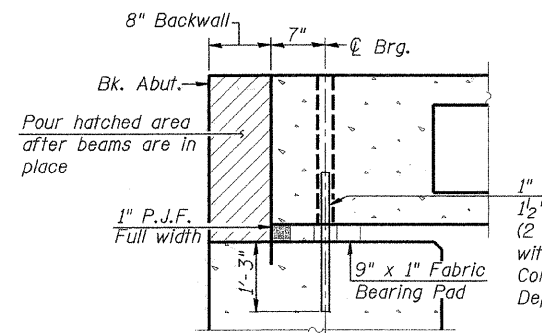


PLAN VIEW

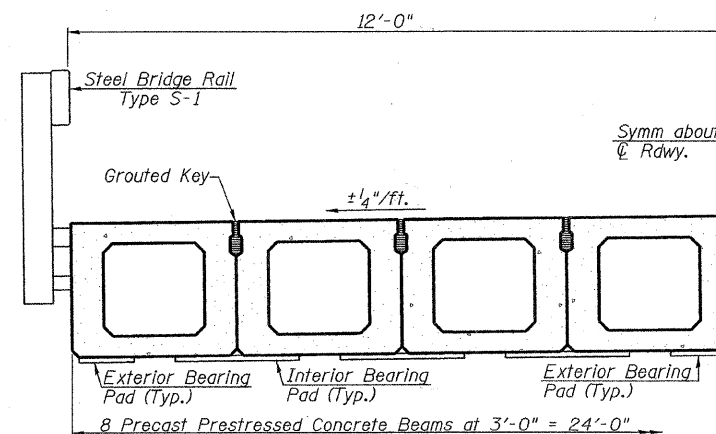
Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

MINIMUM BAR LAP

#4 bar = 2'-0"  
#5 bar = 2'-6"



SECTION THRU ABUTMENT  
(At Right Angles)



HALF CROSS SECTION

BAR LIST  
ONE BEAM ONLY  
(For information only)

Bar	No.	Size	Length	Shape
A(E)	42	#4	2'-7"	—
B(E)	8	#5	24'-11"	—
B1(E)	9	#4	17'-8"	—
B2(E)	4	#5	10'-0"	—
S(E)	67	#4	7'-5"	┌
S1(E)	12	#4	6'-3"	┌
S2(E)	55	#4	6'-6"	┌
U(E)	8	#6	5'-0"	┌
U1(E)	6	#4	5'-0"	┌

Note: See sheet 4 of 10 for additional details and Bill of Material.

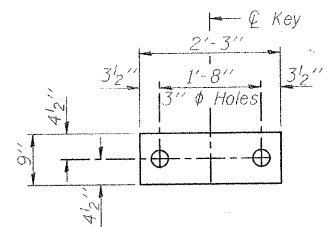
Bars indicated thus 4x2-#5 etc. indicates 4 lines of bars with 2 lengths per line.

PD-3336-0

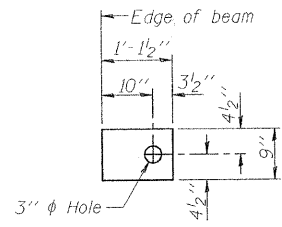
7-1-10

FILE NAME =	USER NAME =	DESIGNED -	REVISED -		<b>Allen Henderson &amp; Associates, Inc.</b> Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907	<b>33" X 36" PPC DECK BEAMS</b> <b>SPANS 1 &amp; 3</b>	T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REVISED -				272	10-03114-00-BR	SHELBY	27	9
		PLOT SCALE =	REVISED -				CONTRACT NO. 95688				
		PLOT DATE =	REVISED -				ILLINOIS FED. AID PROJECT				

SHEET NO. 3 OF 10 SHEETS



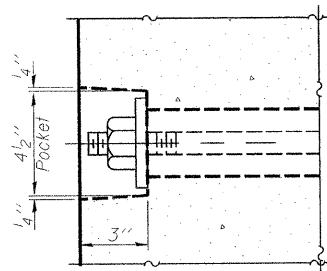
**FABRIC BEARING PAD**  
(Interior)  
(24 Required)



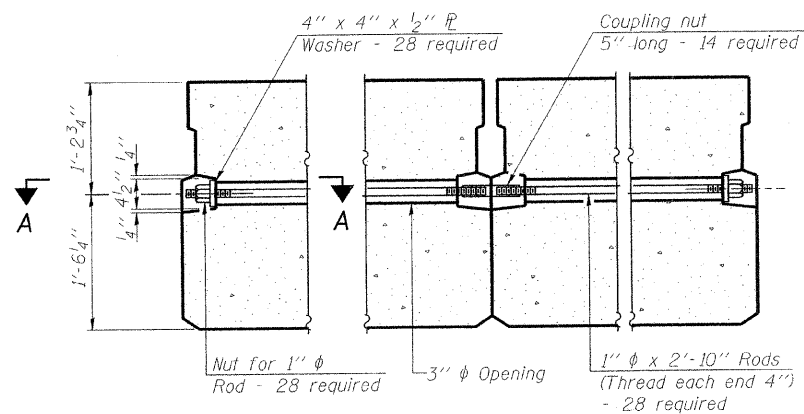
**FABRIC BEARING PAD**  
(Exterior)  
(16 Required)

Notes:  
All bearing pads shall be 1" thick.

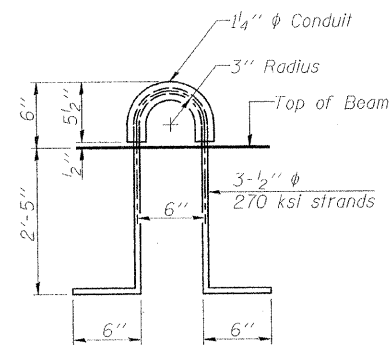
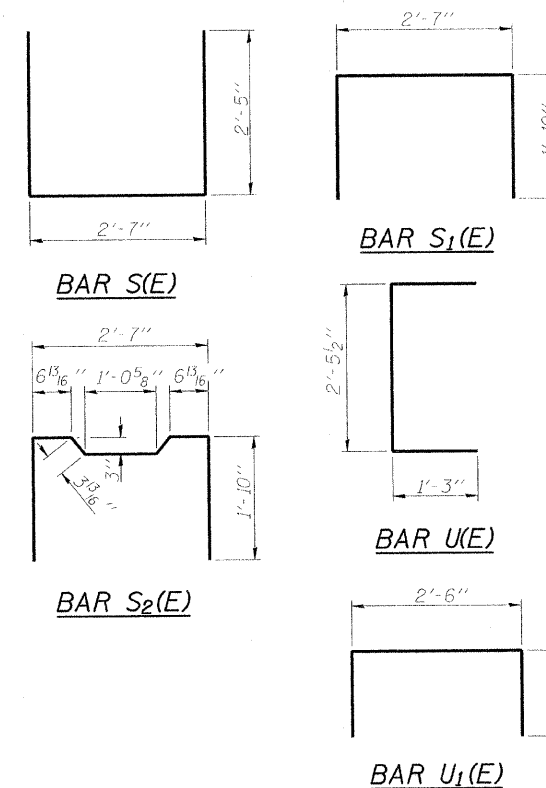
**FIXED**



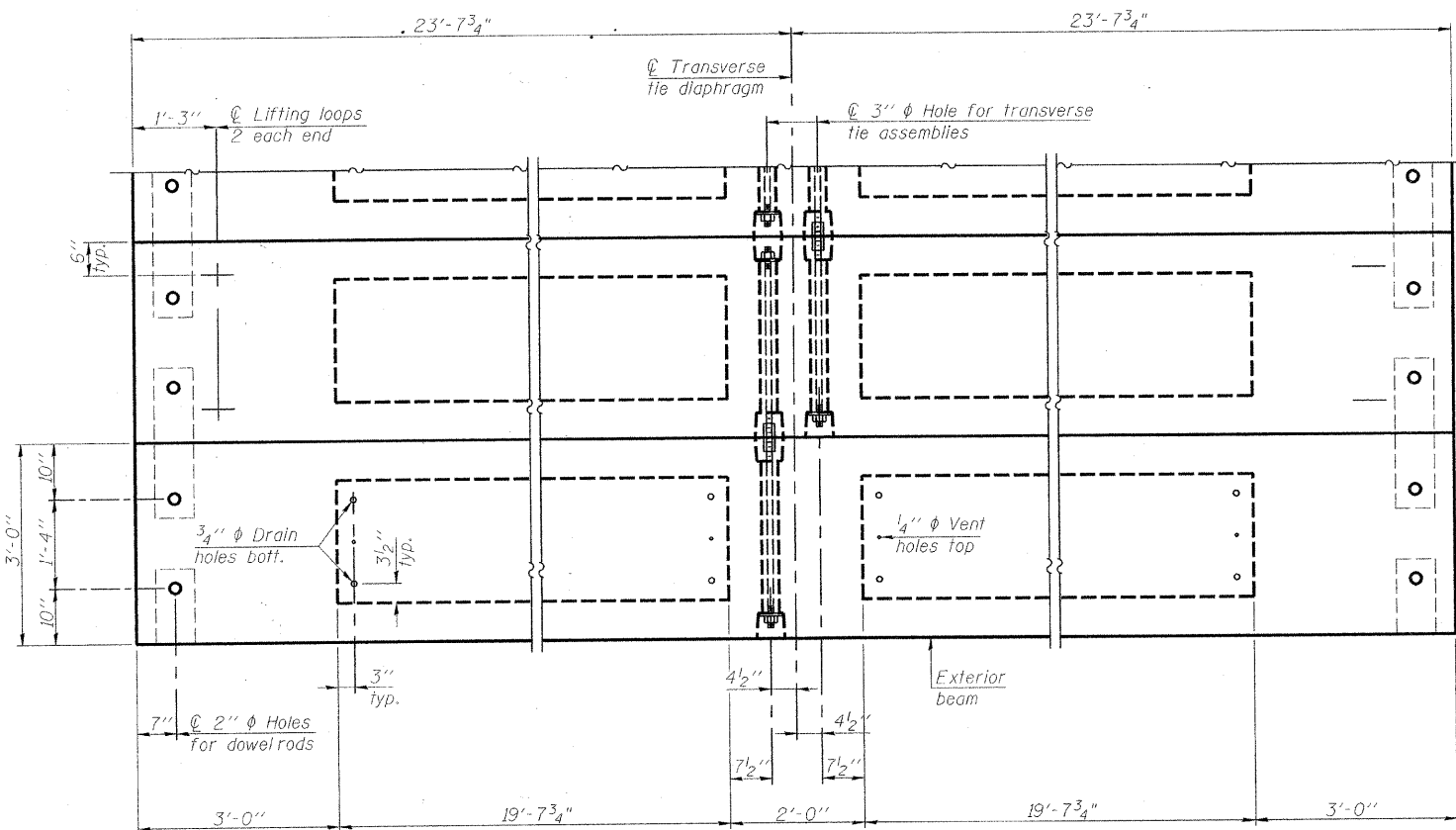
**SECTION A-A**



**TYPICAL TRANSVERSE TIE ASSEMBLY**



**LIFTING LOOP DETAIL**



**PLAN VIEW**

**NOTES**

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place. Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions). Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling. Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams. Compressive strength of prestressed concrete, f'c, shall be 6000 psi. Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

Note: Connect beams in pairs with the transverse tie configuration shown.

**BILL OF MATERIAL**

Precast Prestressed Conc. Deck Bms. (33" depth)	Sq. Ft.	2270
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PD-3336-OD 7-1-10

FILE NAME =	USER NAME =	DESIGNED -	REvised -
		CHECKED -	REvised -
	PLOT SCALE =	DRAWN -	REvised -
	PLOT DATE =	CHECKED -	REvised -



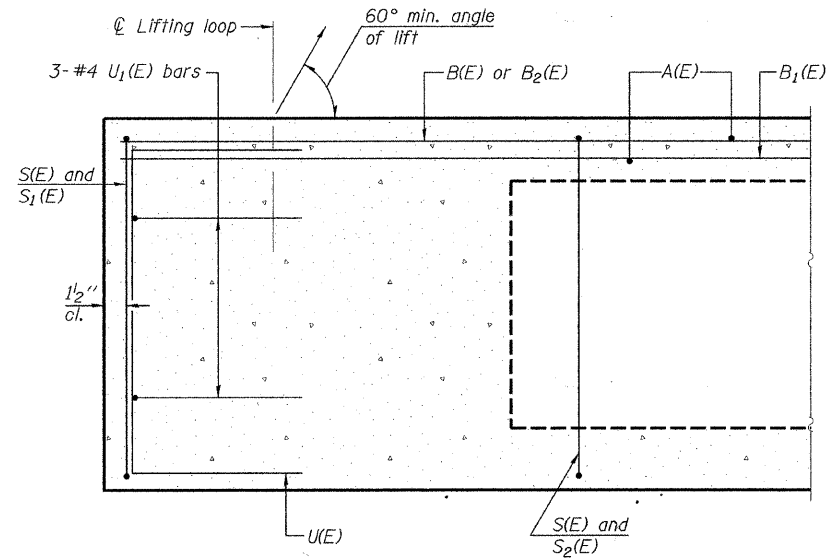
**Allen Henderson & Associates, Inc.**  
Civil and Structural Engineers Springfield, IL  
62703 Phone: (217)544-8033 IL Design Firm  
No. 184-001907

**33" X 36" PPC DECK BEAM DETAILS**  
**SPANS 1 & 3**

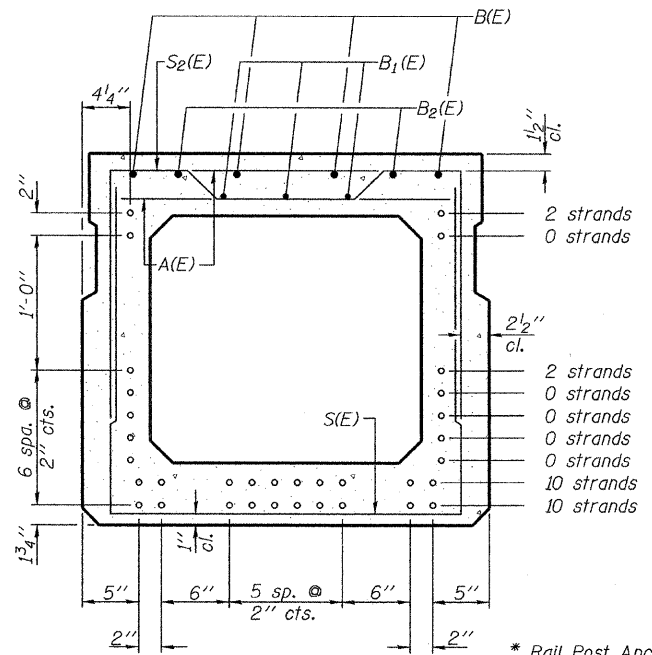
SHEET NO. 4 OF 10 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
272	10-03114-00-BR	SHELBY	27	10
			CONTRACT NO. 95688	

ILLINOIS FED. AID PROJECT



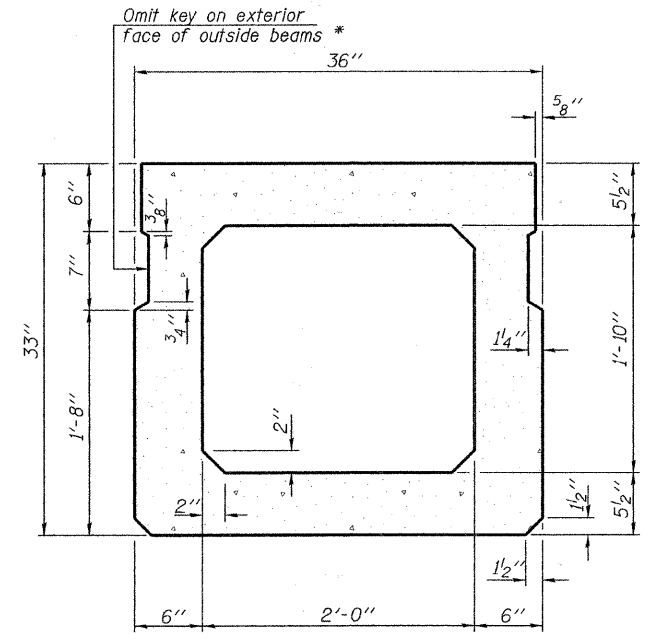
SECTION A-A



SECTION B-B

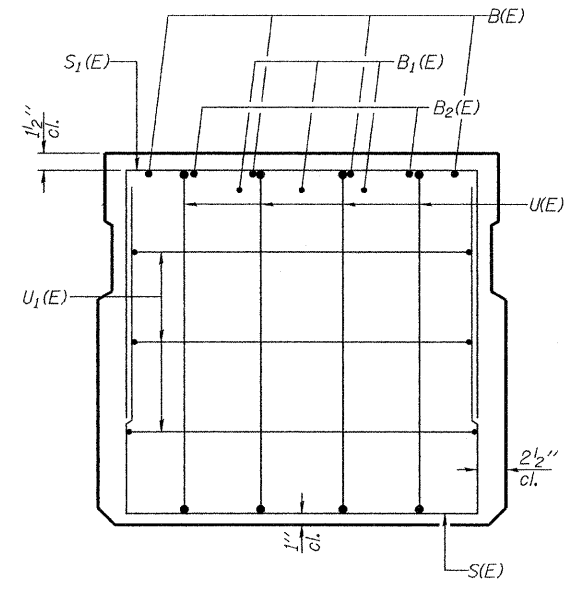
(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

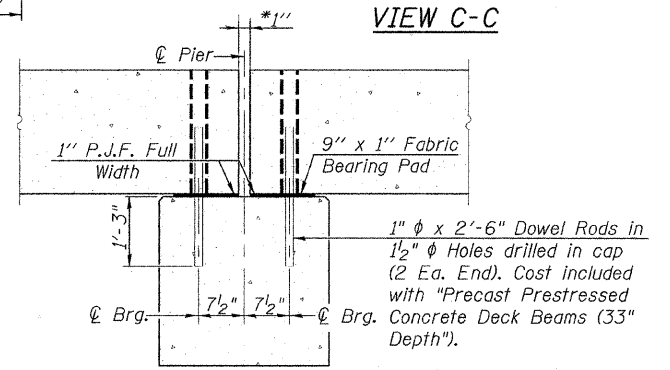


SECTION B-B

(Showing dimensions)



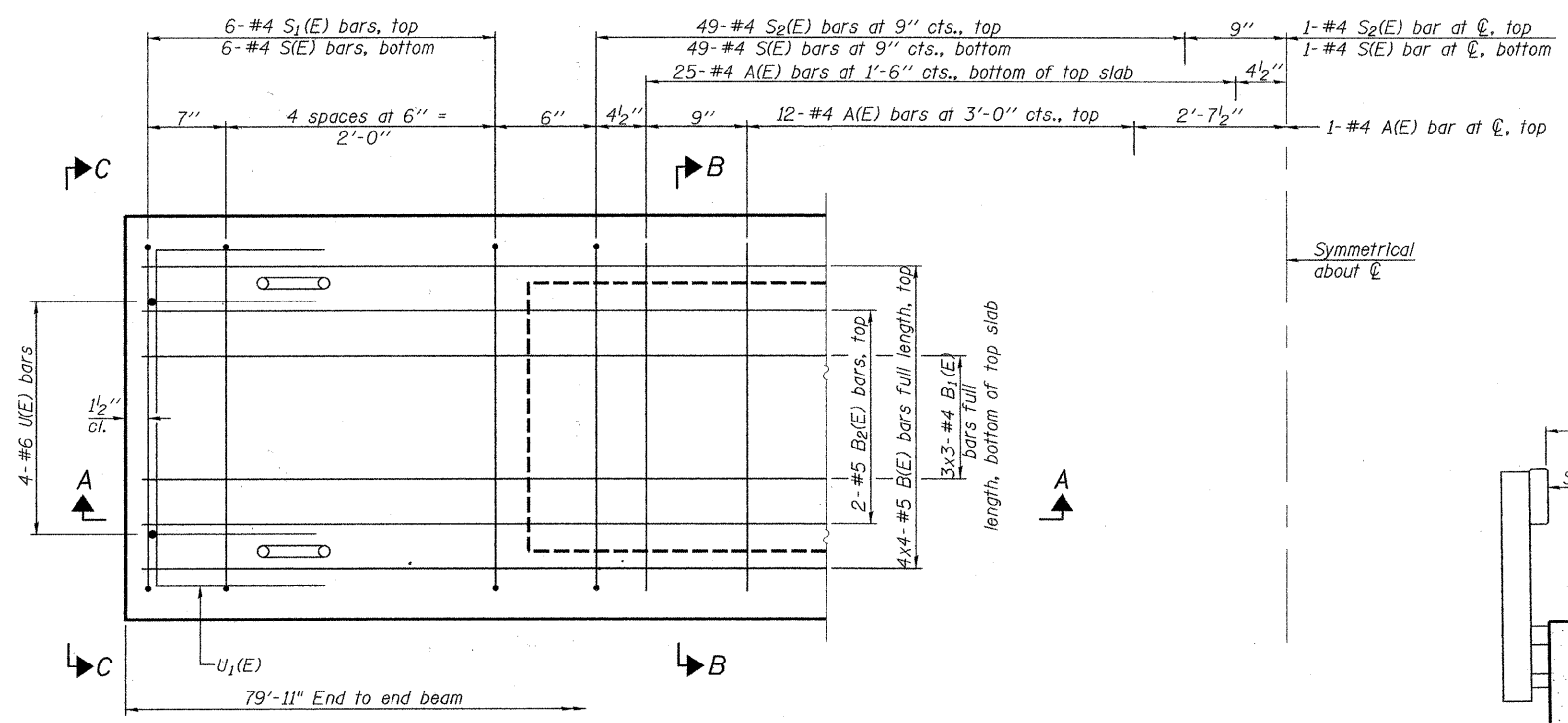
VIEW C-C



SECTION THRU PIER

Notes: After beams have been erected, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure min. 24 hrs. prior to grouting the shear keys.

All horizontal dimensions are at right angles to beam ends. \* 1" joint shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

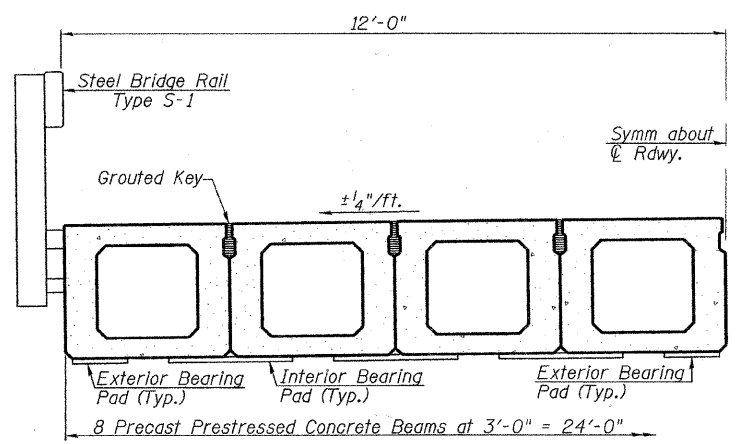


PLAN VIEW

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

MINIMUM BAR LAP

#4 bar = 2'-0"  
#5 bar = 2'-6"



HALF CROSS SECTION

BAR LIST  
ONE BEAM ONLY  
(For information only)

Bar	No.	Size	Length	Shape
A(E)	75	#4	2'-7"	—
B(E)	16	#5	22'-5"	—
B1(E)	9	#4	28'-7"	—
B2(E)	4	#5	10'-0"	—
S(E)	111	#4	7'-5"	□
S1(E)	12	#4	6'-3"	□
S2(E)	99	#4	6'-6"	□
U(E)	8	#6	5'-0"	□
U1(E)	6	#4	5'-0"	□

Note: See sheet 6 of 10 for additional details and Bill of Material.

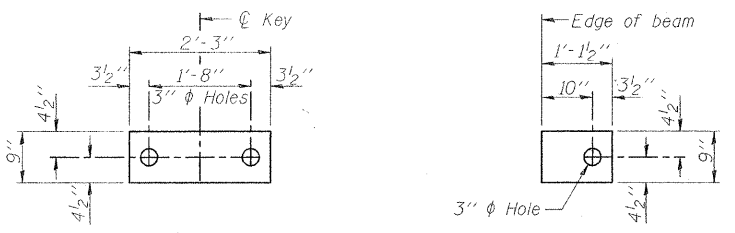
Bars indicated thus 4x4-#5 etc. indicates 4 lines of bars with 4 lengths per line.

PD-3336-0

7-1-10

FILE NAME =	USER NAME =	DESIGNED -	REVISIONS -	<p>Allen Henderson &amp; Associates, Inc. Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907</p>	<p>33" X 36" PPC DECK BEAM SPAN 2</p>	T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISIONS -			272	10-03114-00-BR	SHELBY	27	11	
		PLOT SCALE =	REVISIONS -			CONTRACT NO. 95688					
		PLOT DATE =	REVISIONS -			ILLINOIS FED. AID PROJECT					

SHEET NO. 5 OF 10 SHEETS

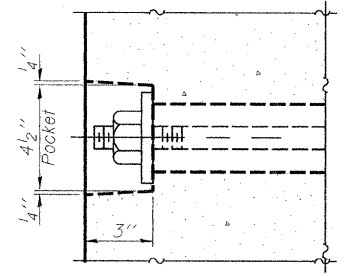


**FABRIC BEARING PAD**  
(Interior)  
(12 Required)

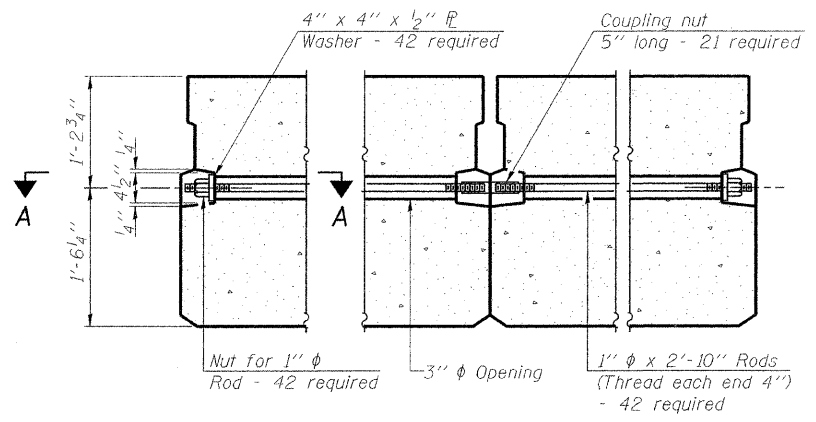
**FABRIC BEARING PAD**  
(Exterior)  
(8 Required)

Notes:  
All bearing pads shall be 1" thick.

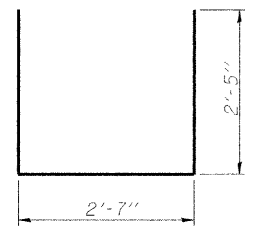
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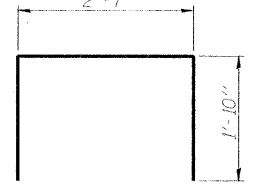
**SECTION A-A**



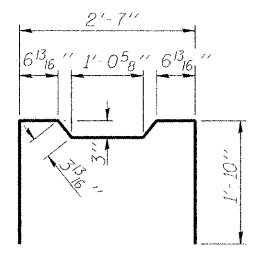
**TYPICAL TRANSVERSE TIE ASSEMBLY**



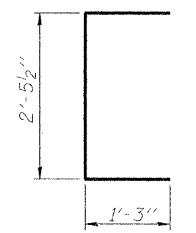
**BAR S(E)**



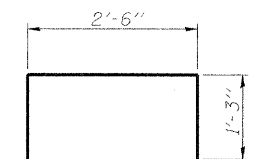
**BAR S1(E)**



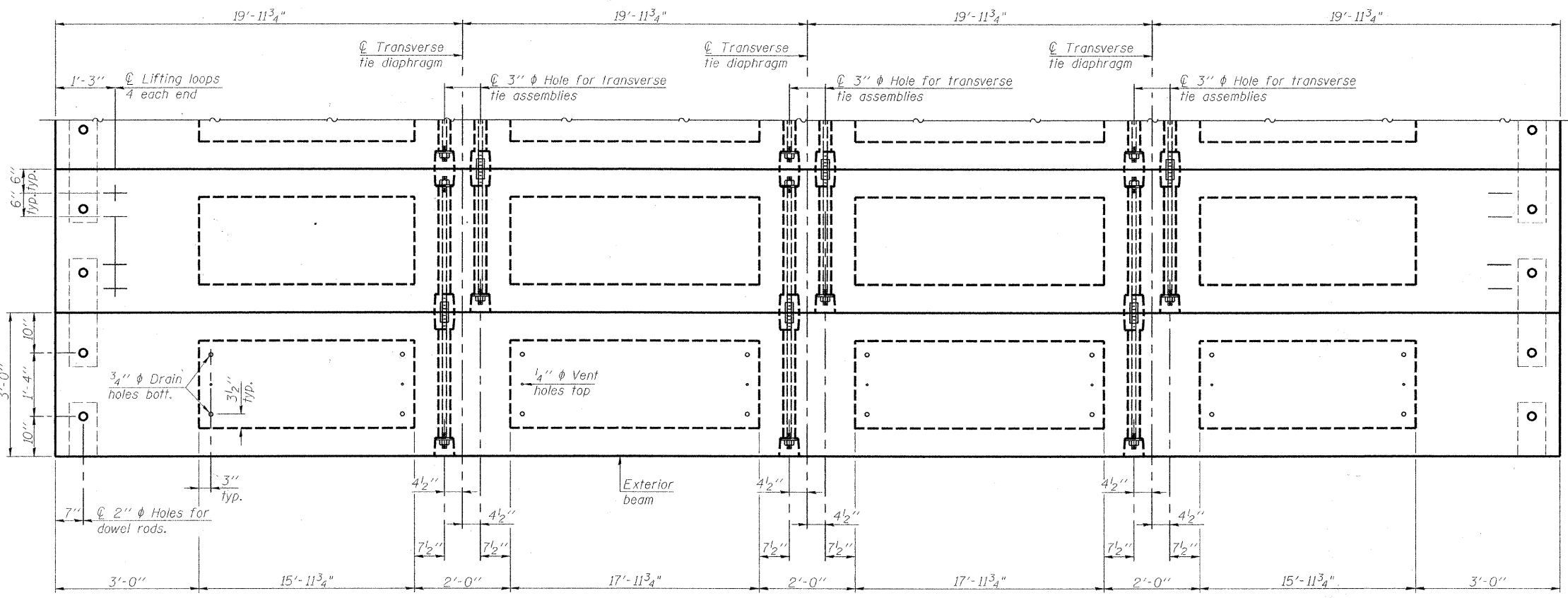
**BAR S2(E)**



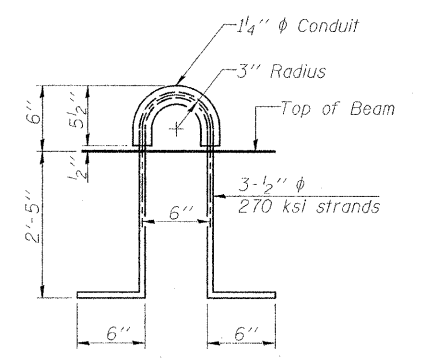
**BAR U(E)**



**BAR U1(E)**



**PLAN VIEW**



**LIFTING LOOP DETAIL**

**NOTES**

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" diameter rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions). Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling.

Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, f'c, shall be 6000 psi.

Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

Note: Connect beams in pairs with the transverse tie configuration shown.

**BILL OF MATERIAL**

Precast Prestressed Conc. Deck Bms. (33" depth)	Sq. Ft.	1918
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PD-3336-OD 7-1-10

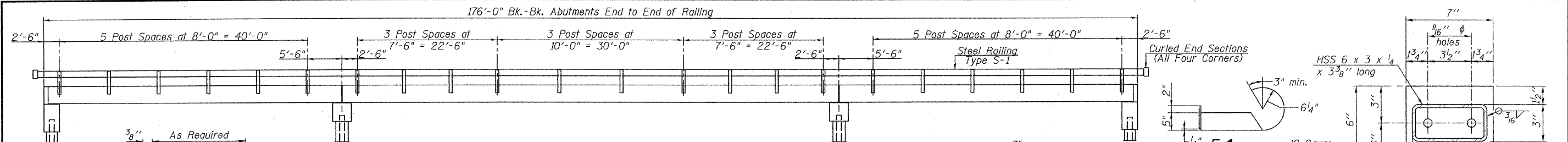
FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -

**Allen Henderson & Associates, Inc.**  
Civil and Structural Engineers Springfield, IL  
62703 Phone: (217)544-8033 IL Design Firm  
No. 184-001907

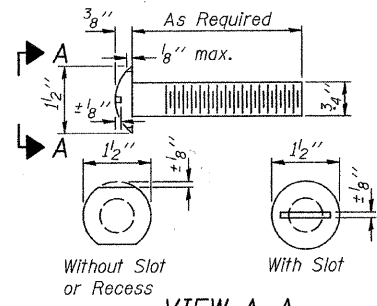
**33" X 36" PPC DECK BEAM DETAILS**  
**SPAN 2**

SHEET NO. 6 OF 10 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
272	10-03114-00-BR	SHELBY	27	12
			CONTRACT NO. 95688	
ILLINOIS FED. AID PROJECT				

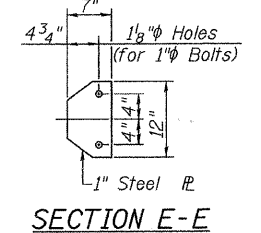


**ELEVATION**  
(Showing Outside Face of Railing)

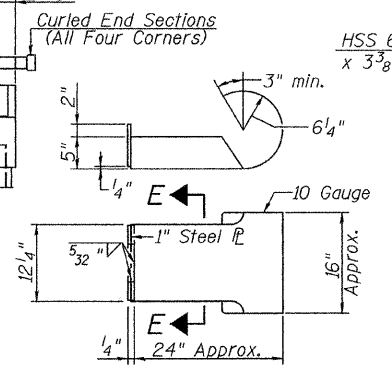


**VIEW A-A**  
**ROUND HEAD BOLT**

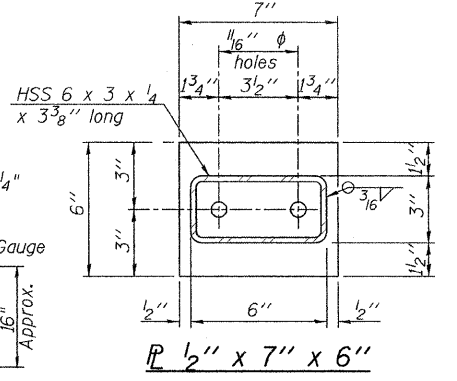
2- 3/4"  $\phi$  x 6" Round Head Bolts  
(With slot or approved recess in head) with locknut & flat washer.  
7/8"  $\phi$  holes in hollow structural section may be drilled in the field.



**SECTION E-E**



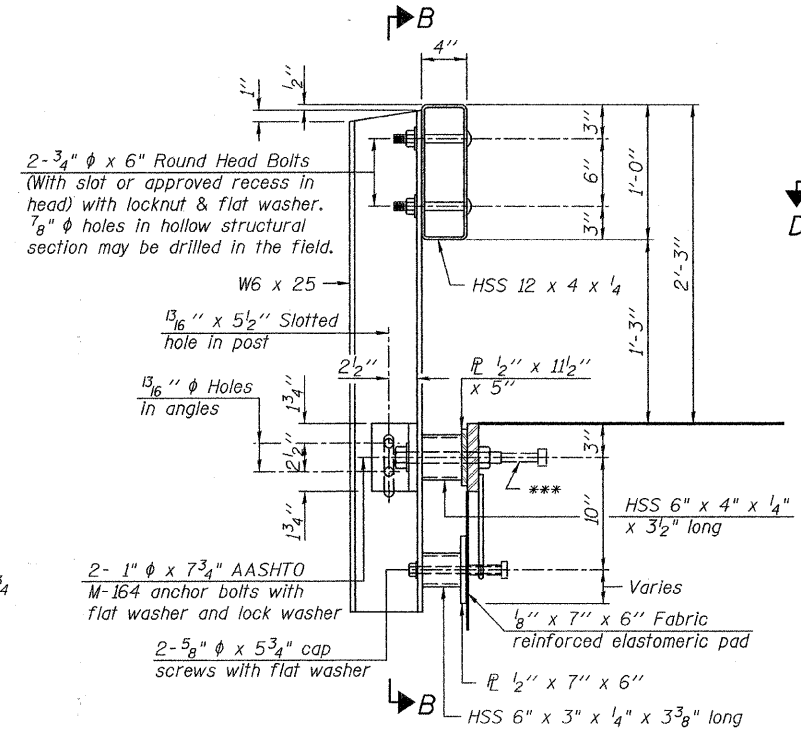
**CURLLED END SECTION DETAILS (4 Required)**  
(Cost of Curled End Sections to be Included in the cost of Steel Railing, Type S-1.)



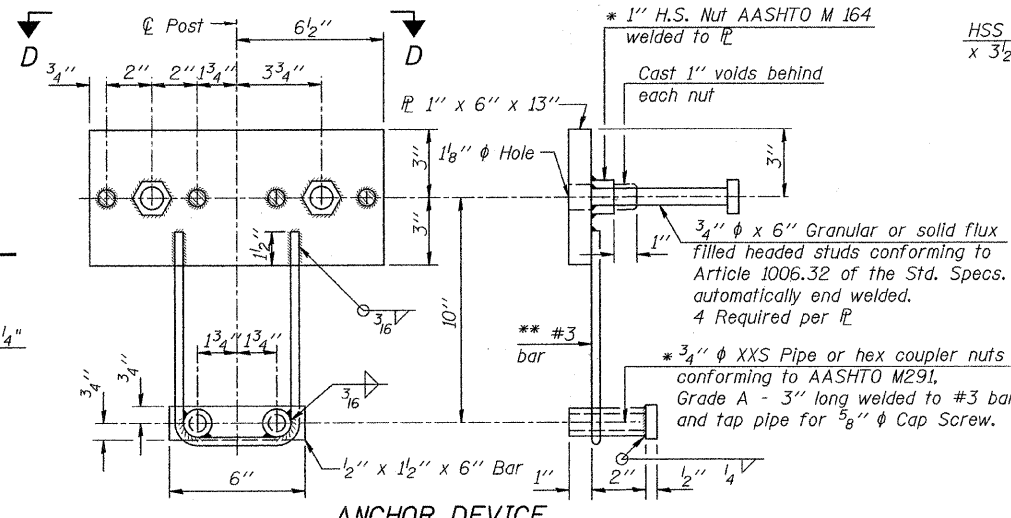
**1/2" x 7" x 6"**

**1/2" x 11 1/2" x 5"**

**Notes:**  
All field drilled holes shall be coated with an approved zinc rich paint before erection.  
For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type S-1.  
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.  
\*\*\* The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.



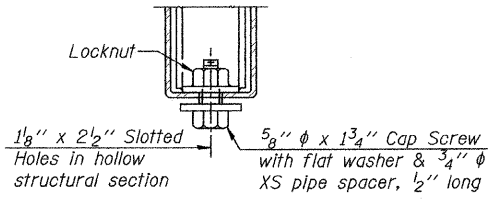
**SECTION AT RAILING POST**



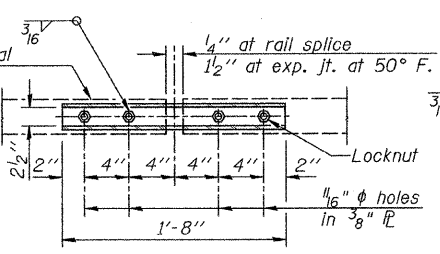
**ANCHOR DEVICE**

\* Threaded areas shall be plugged or blocked off during casting of beam.

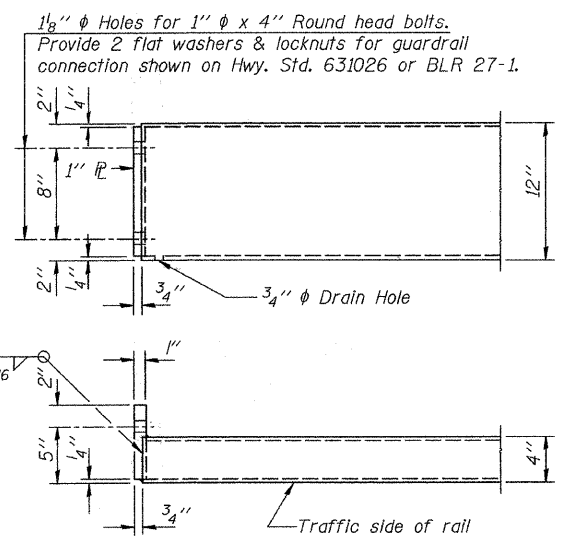
\*\* Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed 1/2".



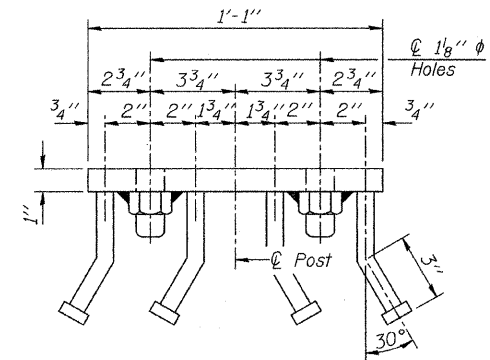
**RAIL SPLICE CONNECTION AT EXPANSION JT.**



**PLAN-BOTT. SPLICE R**  
**TYPICAL**



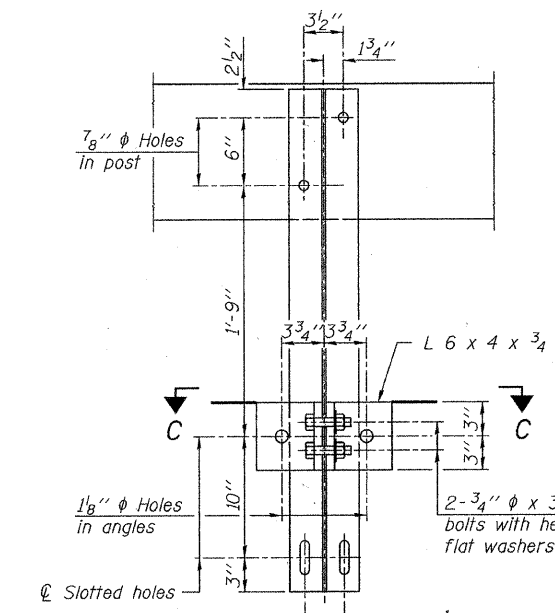
**END OF RAIL DETAILS**



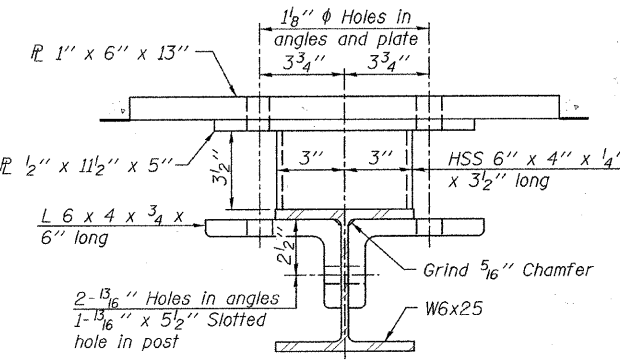
**VIEW D-D**

**BILL OF MATERIAL**

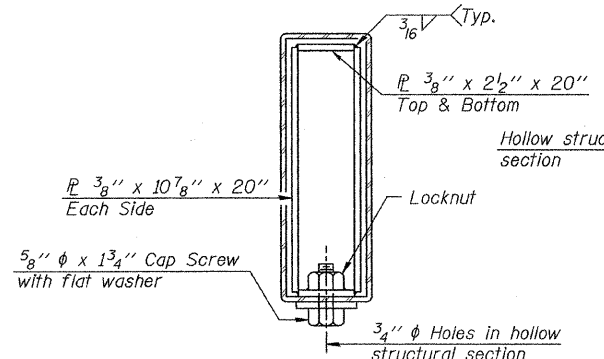
Item	Unit	Quantity
Steel Railing, Type S-1	Foot	352



**SECTION B-B**



**SECTION C-C**



**SECTIONS AT RAIL SPLICE**

R-23A 7-1-10 (10'-9" Maximum Post Spacing)

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -

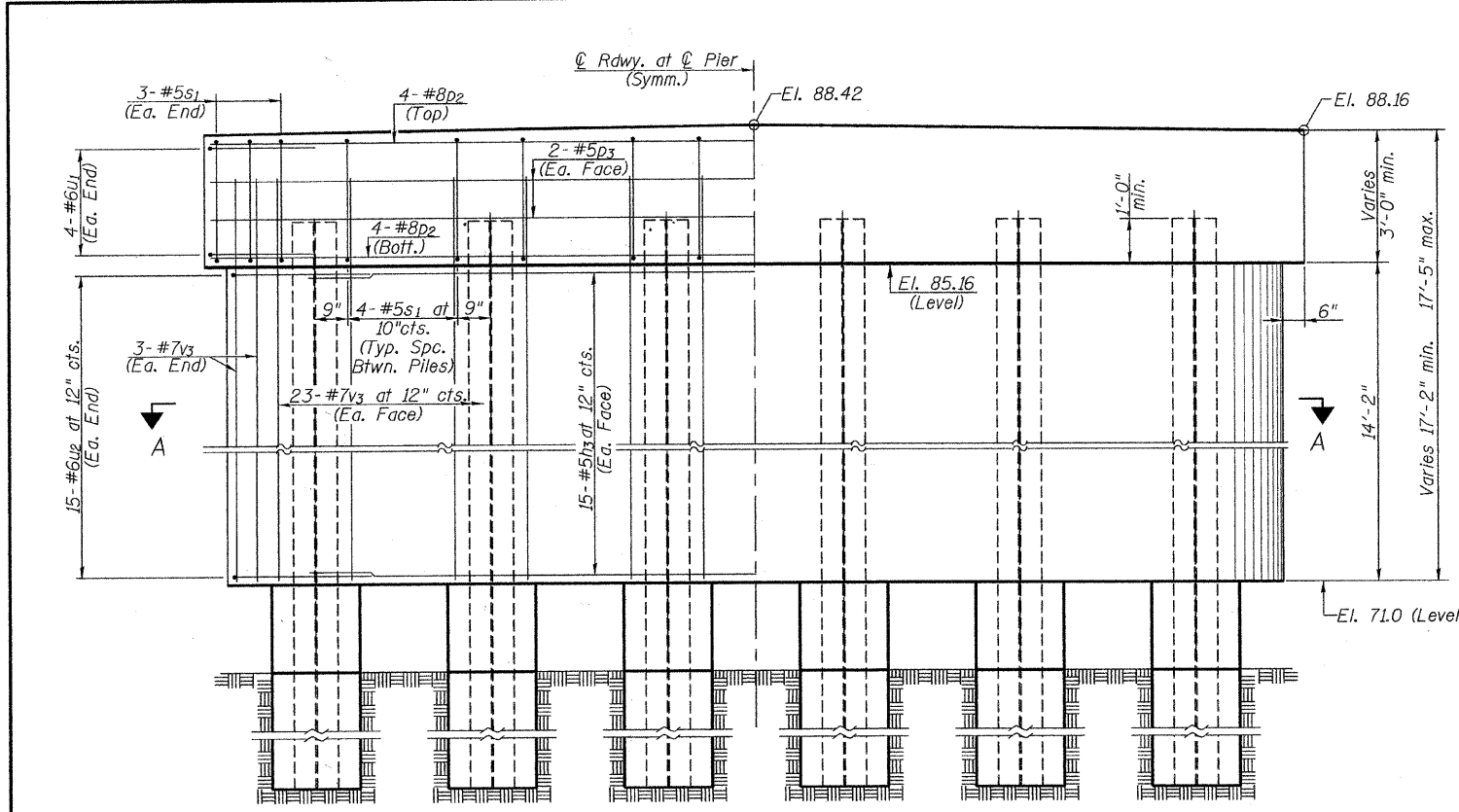
**Allen Henderson & Associates, Inc.**  
Civil and Structural Engineers Springfield, IL.  
62703 Phone: (217)544-8033 IL Design Firm  
No. 184-001907

**STEEL RAILING TYPE S-1**

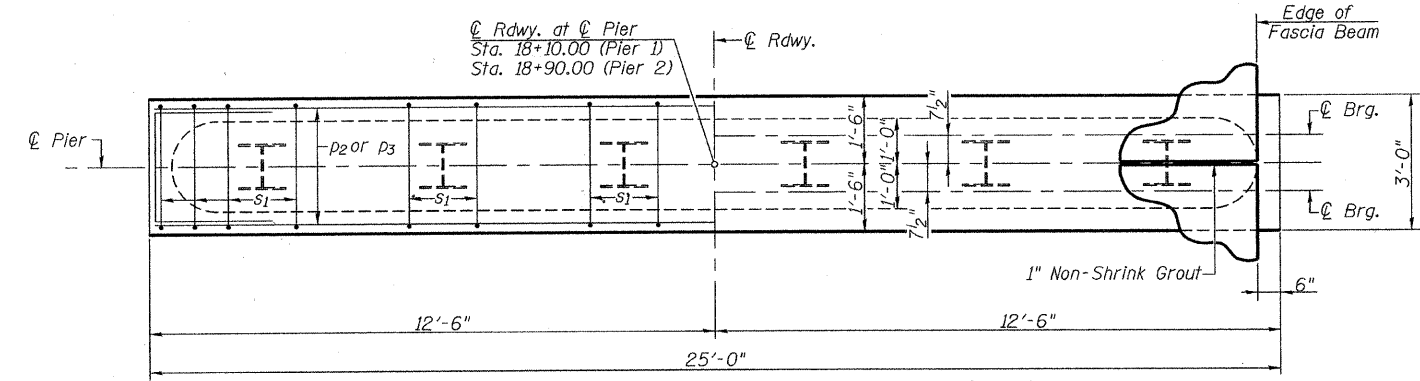
SHEET NO. 7 OF 10 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
272	10-03114-00-BR	SHELBY	27	13
			CONTRACT NO. 95688	
ILLINOIS FED. AID PROJECT				

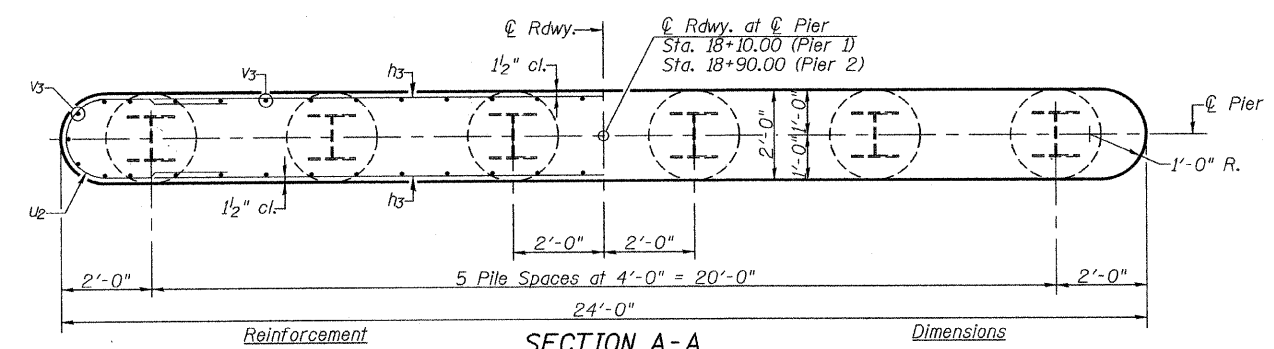




Reinforcement ELEVATION Dimensions



Reinforcement PLAN Dimensions



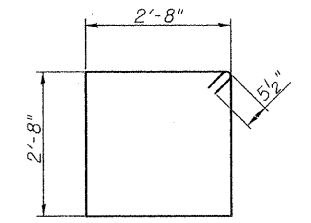
Reinforcement SECTION A-A Dimensions

**PILE DATA**

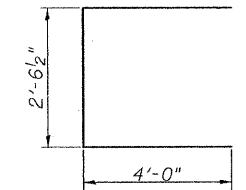
	Pier 1	Pier 2
Type:	Steel HP 12x53	Steel HP 12x53
Nominal Required Bearing:	419 Kips	419 Kips
Factored Resistance Available:	230 Kips	230 Kips
Estimated Pile Length:	25'	25'
Number of Production:	6	6
Number of Test Piles:	0	0

**NOTES**

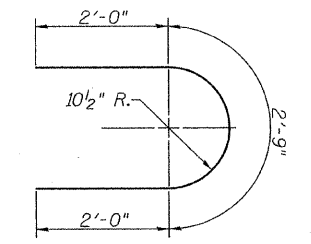
The Steel H-Piles shall be according to AASHTO M270, Grade 50.  
 All exposed edges shall have standard 3/4" chamfer except as noted.  
 Space reinforcement in pier caps to miss beam anchor dowels.



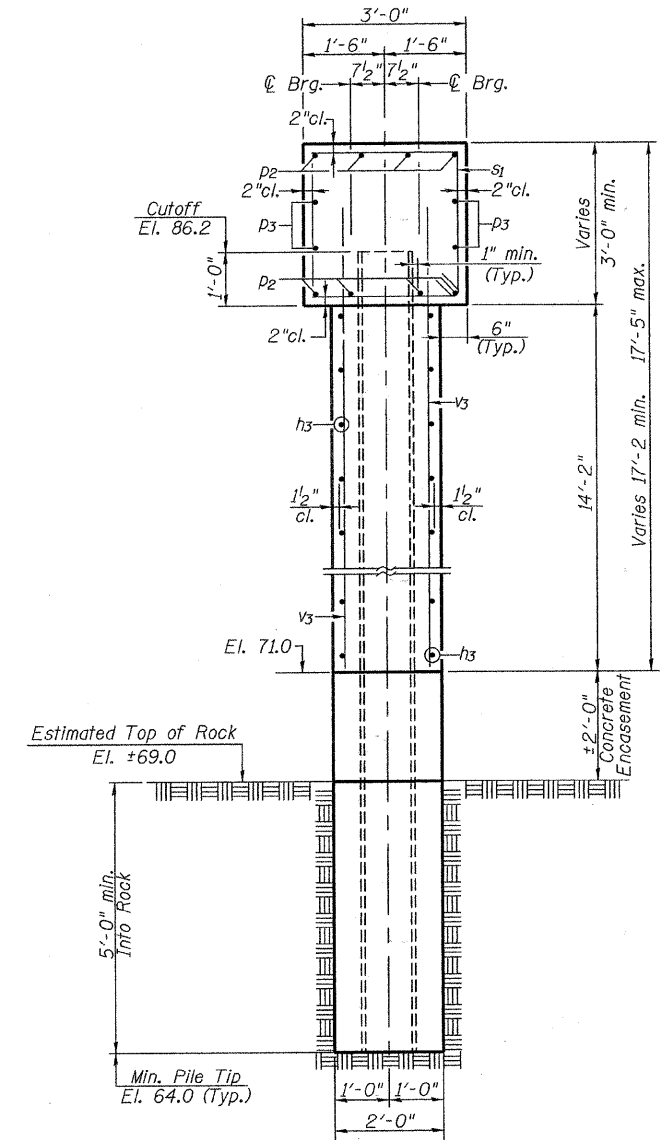
BAR s1



BAR u1



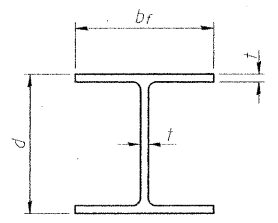
BAR u2



SECTION THRU PIER

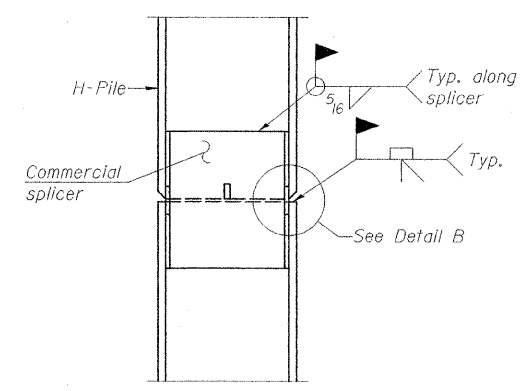
**TWO PIERS BILL OF MATERIAL**

BAR NO.	SIZE	LENGTH	SHAPE
h3	#5	22'-0"	—
p2	#8	24'-8"	—
p3	#5	24'-8"	—
s1	#5	11'-7"	□
u1	#6	10'-7"	□
u2	#6	6'-9"	C
v3	#7	16'-1"	—
Concrete Structures			Cu. Yd. 66.9
Reinforcement Bars			Pound 7545
Furnishing Steel Piles, HP 12x53			Foot 300
Concrete Encasement			Cu. Yd. 2.8
Cofferdam Excavation			Cu. Yd. 86
Setting Piles in Rock			Each 12
Cofferdam (Type 2), Location 1			Each 1
Cofferdam (Type 2), Location 2			Each 1

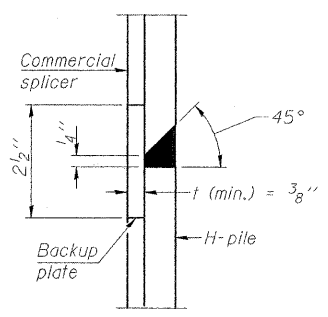


**STEEL PILE TABLE**

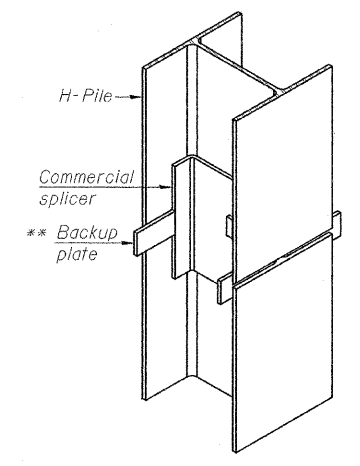
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 5/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 3/8"	12 1/4"	5/8"	24"
x63	12"	12 3/8"	1/2"	24"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



**ELEVATION**

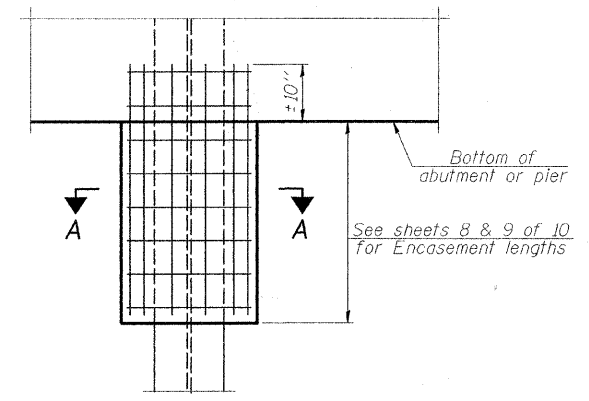


**DETAIL "B"**



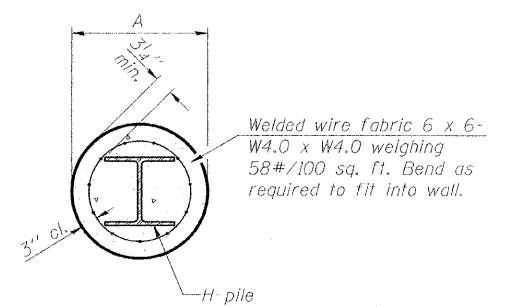
**ISOMETRIC VIEW**

**WELDED COMMERCIAL SPLICE**



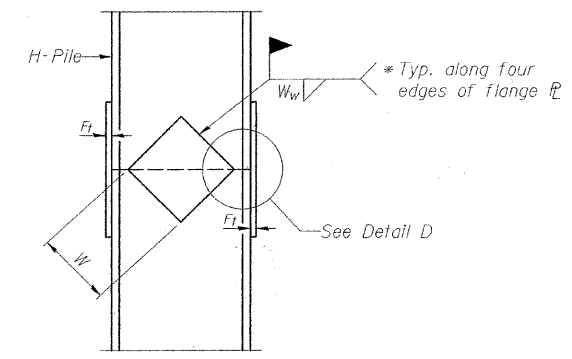
**ELEVATION**

**PILE ENCASEMENT**

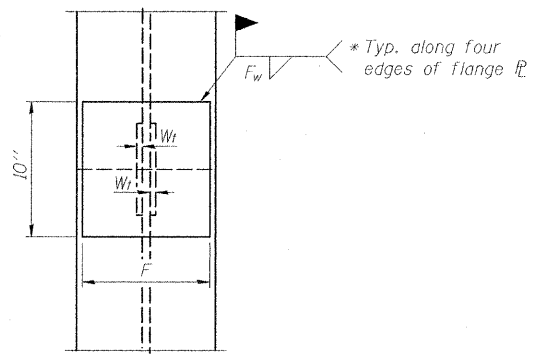


**SECTION A-A**

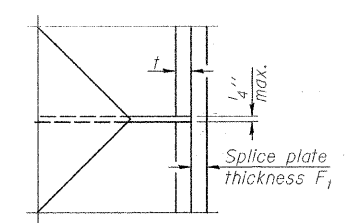
Note:  
Forms for encasement may be omitted when soil conditions permit.



**ELEVATION**



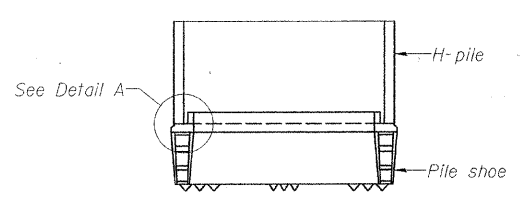
**END VIEW**



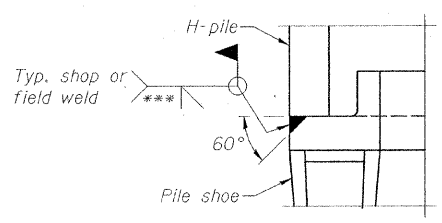
**DETAIL D**

**WELDED PLATE FIELD SPLICE**

Designation	F	F <sub>l</sub>	F <sub>w</sub>	W	W <sub>l</sub>	W <sub>w</sub>
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1/2"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1/2"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1/2"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

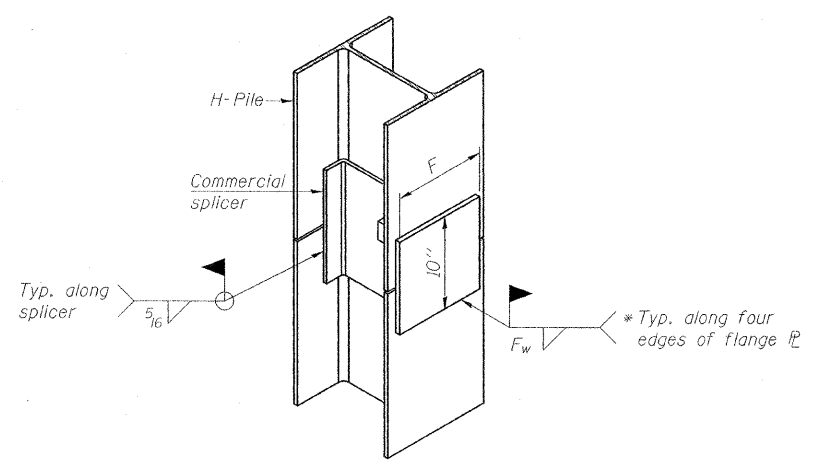


**ELEVATION**



**DETAIL A**

**H-PILE SHOE ATTACHMENT**



**ISOMETRIC VIEW**

**WELDED COMMERCIAL SPLICE ALTERNATE**

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

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

F-HP

7-1-10

FILE NAME =	USER NAME =	DESIGNED -	REVISD -
		CHECKED -	REVISD -
		DRAWN -	REVISD -
		CHECKED -	REVISD -

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No. 184-001907

**HP PILE DETAILS**

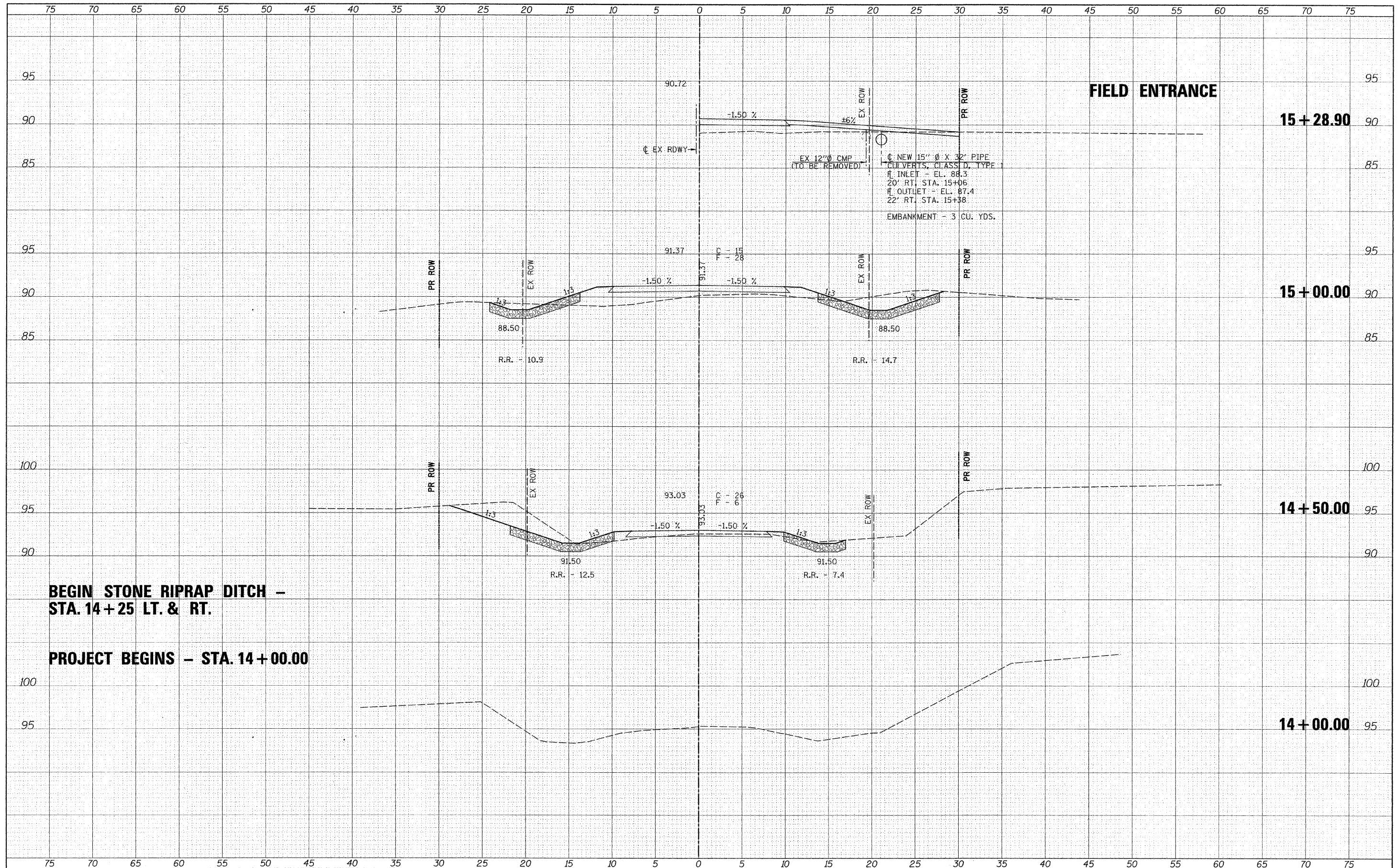
SHEET NO. 10 OF 10 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
272	10-03114-00-BR	SHELBY	27	16
CONTRACT NO. 95688			ILLINOIS FED. AID PROJECT	




DATE	
BY	
REVISIONS	
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NO.	



**BEGIN STONE RIPRAP DITCH -  
STA. 14+25 LT. & RT.**

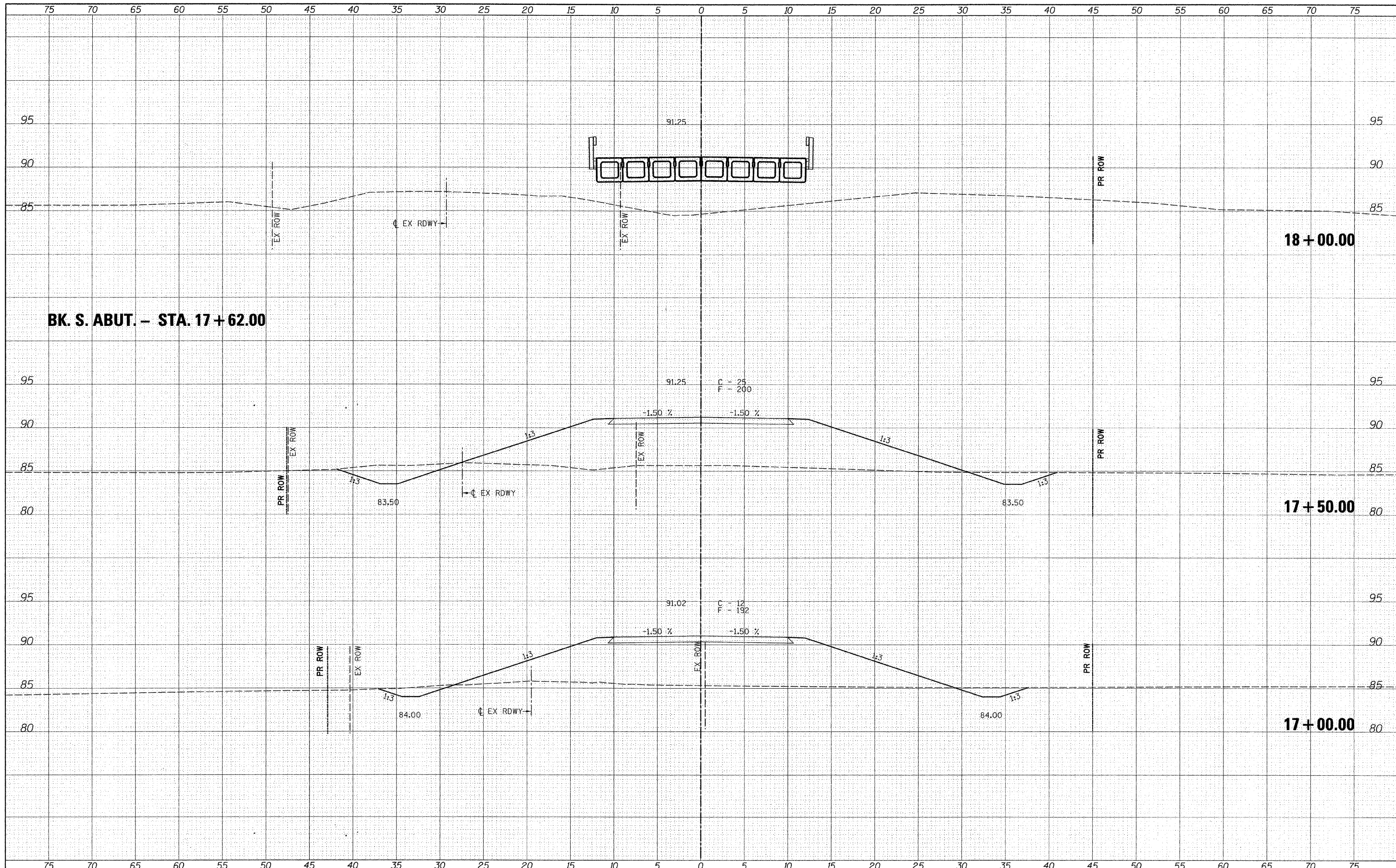
**PROJECT BEGINS - STA. 14+00.00**

FILE NAME	USER NAME = #USER#	DESIGNED -	REVISED -	 <b>Allen Henderson &amp; Associates, Inc.</b> Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907	<b>CROSS SECTIONS (T.R. 272)</b>		T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		272	10-03114-00-BR	SHELBY	27	17		
PLOT SCALE = #SCALE#		CHECKED -	REVISED -		SCALE: 1" = 5'		SHEET NO. 17 OF 27 SHEETS		STA. 14+00.00 TO STA. 15+28.90	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
PLOT DATE = #DATE#		DATE -	REVISED -						CONTRACT NO. 95688		



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

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




**BK. S. ABUT. - STA. 17 + 62.00**

**18 + 00.00**

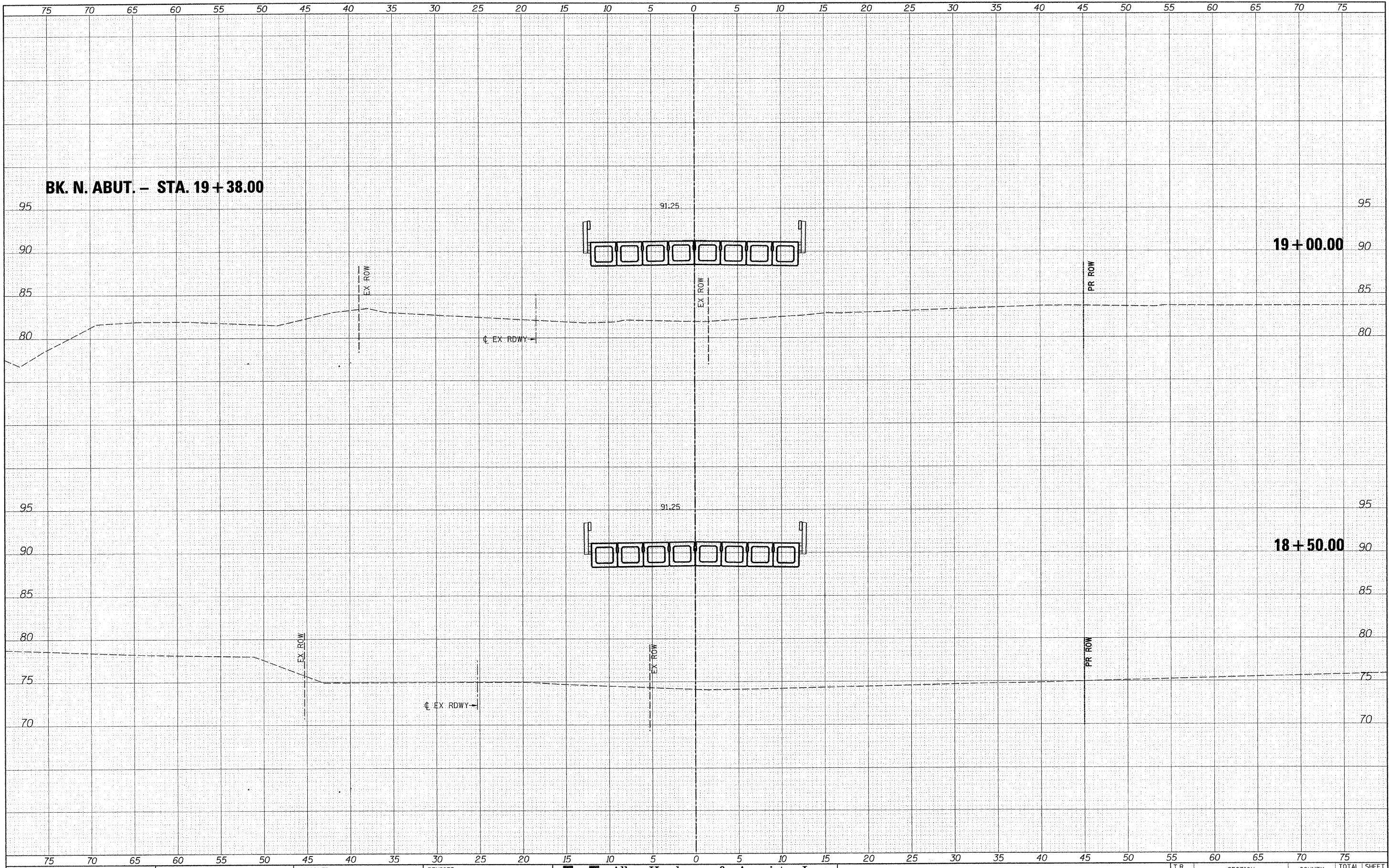
**17 + 50.00**

**17 + 00.00**

FILE NAME -	USER NAME = #USER#	DESIGNED -	REVISED -	 <b>Allen Henderson &amp; Associates, Inc.</b> Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907	<b>CROSS SECTIONS (T.R. 272)</b>		T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL#		DRAWN -	REVISED -		272	10-03114-00-BR	SHELBY	27	19		
		CHECKED -	REVISED -		SCALE: 1" = 5'		SHEET NO. 17 OF 27 SHEETS		STA. 17+00.00 TO STA. 18+00.00	CONTRACT NO. 95688	
		DATE -	REVISED -		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
NOTED	
NOTE BOOK	
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AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
NOTE BOOK	
NO.	
AREAS CHECKED	



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CHECKED -  
DATE -



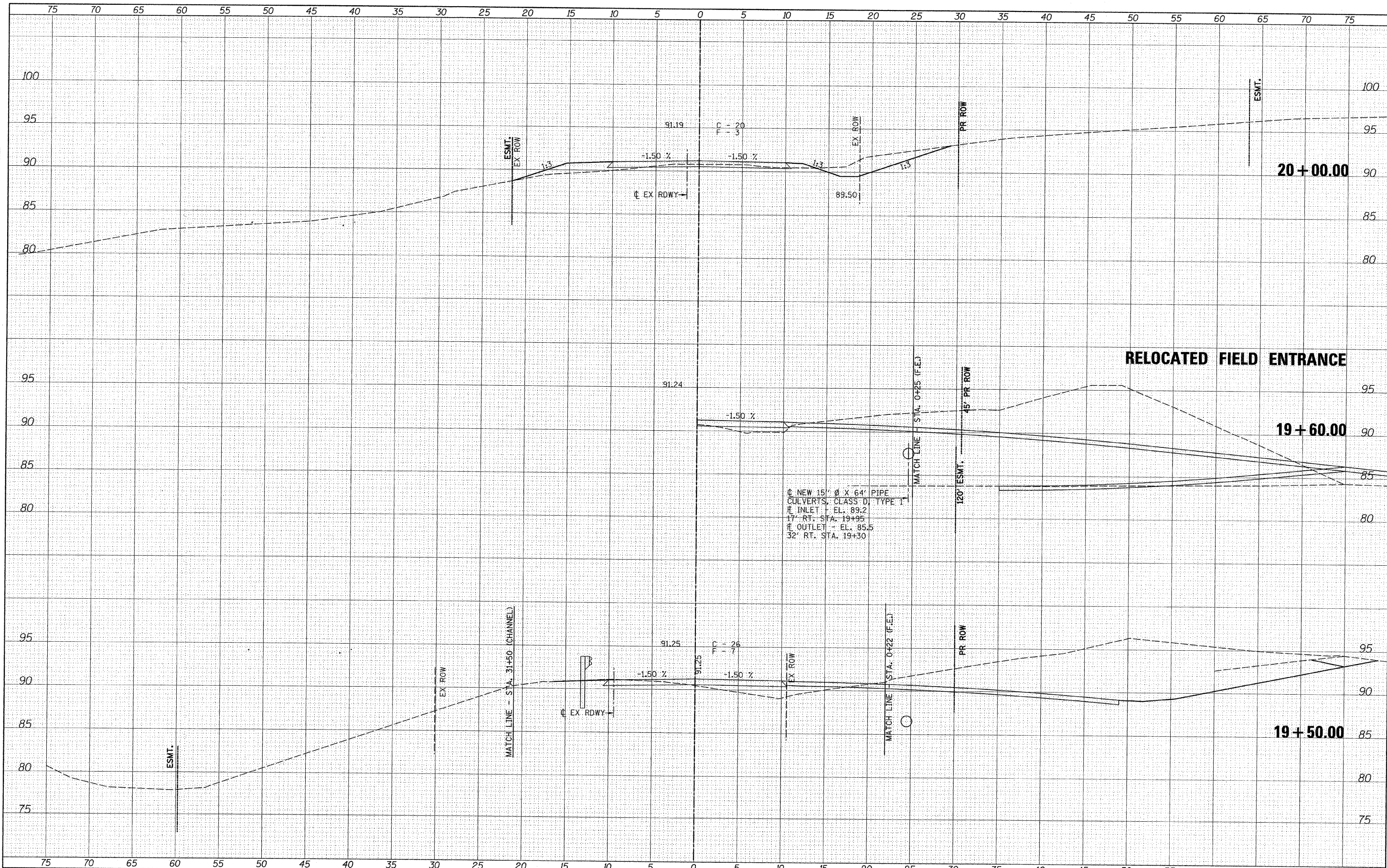
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Civil and Structural Engineers Springfield, IL  
62703 Phone: (217)544-8033 IL Design Firm  
No. 184-001907


**CROSS SECTIONS (T.R. 272)**  
SCALE: 1" = 5'  
SHEET NO. 17 OF 27 SHEETS  
STA. 18+50.00 TO STA. 19+00.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
272	10-03114-00-BR	SHELBY	27	20
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 95688	

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

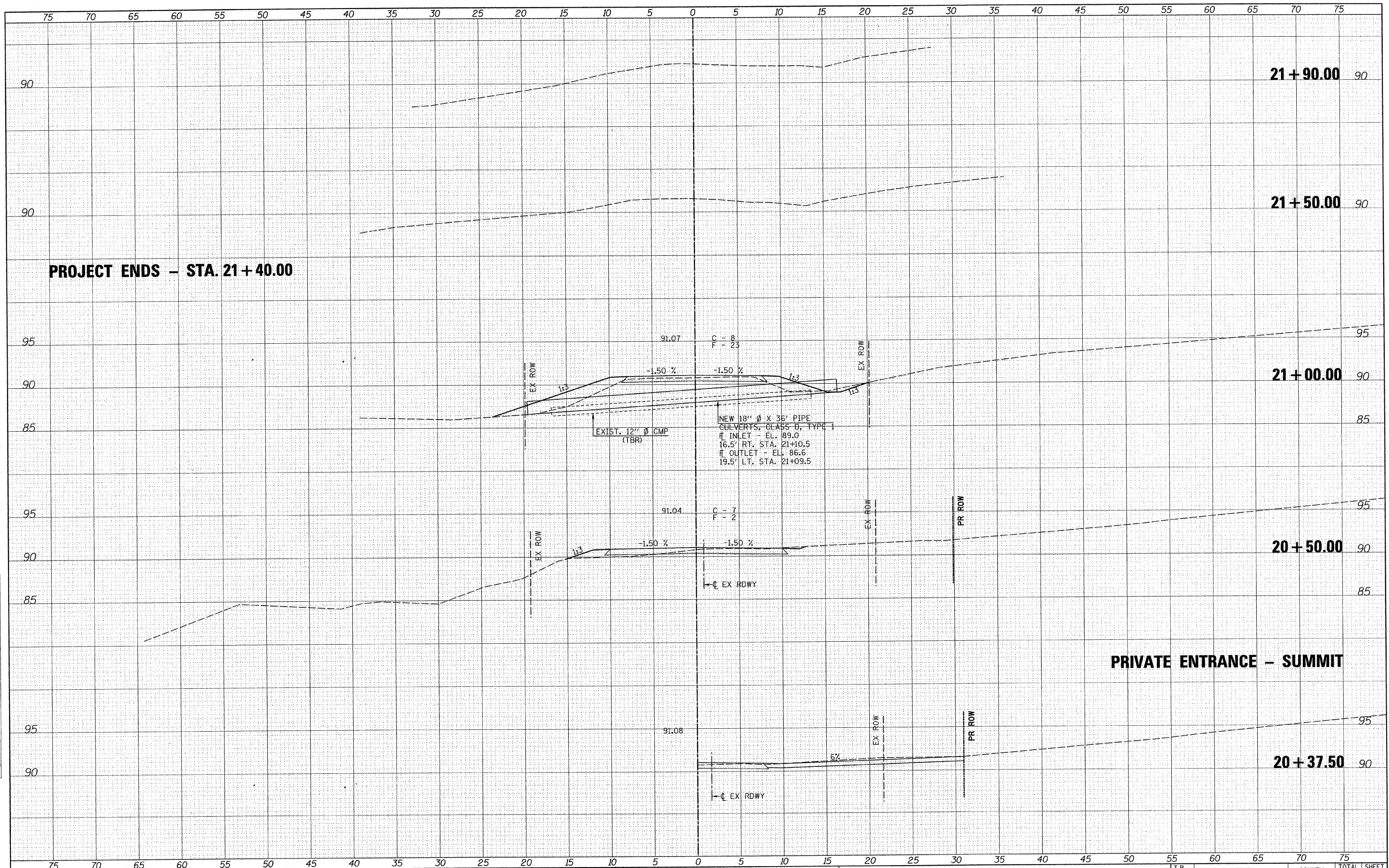
ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	 <b>Allen Henderson &amp; Associates, Inc.</b> Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907	<b>CROSS SECTIONS (T.R. 272)</b>		T.R. 272	SECTION 10-03114-00-BR	COUNTY SHELBY	TOTAL SHEETS 27	SHEET NO. 21	
#FILE#	PLOT SCALE = #SCALE#	DRAWN -	REVISED -		SCALE: 1" = 5'	SHEET NO. 17 OF 27 SHEETS	STA. 19+50.00	TO STA. 20+00.00	CONTRACT NO. 95688			
	PLOT DATE = #DATE#	CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE	REVISED -									


FINAL SURVEY	DATE
SURVEYED	BY
NOTED	
PLOTTED	
TEMPLATE	
AREAS	
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ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTED	
PLOTTED	
TEMPLATE	
AREAS	
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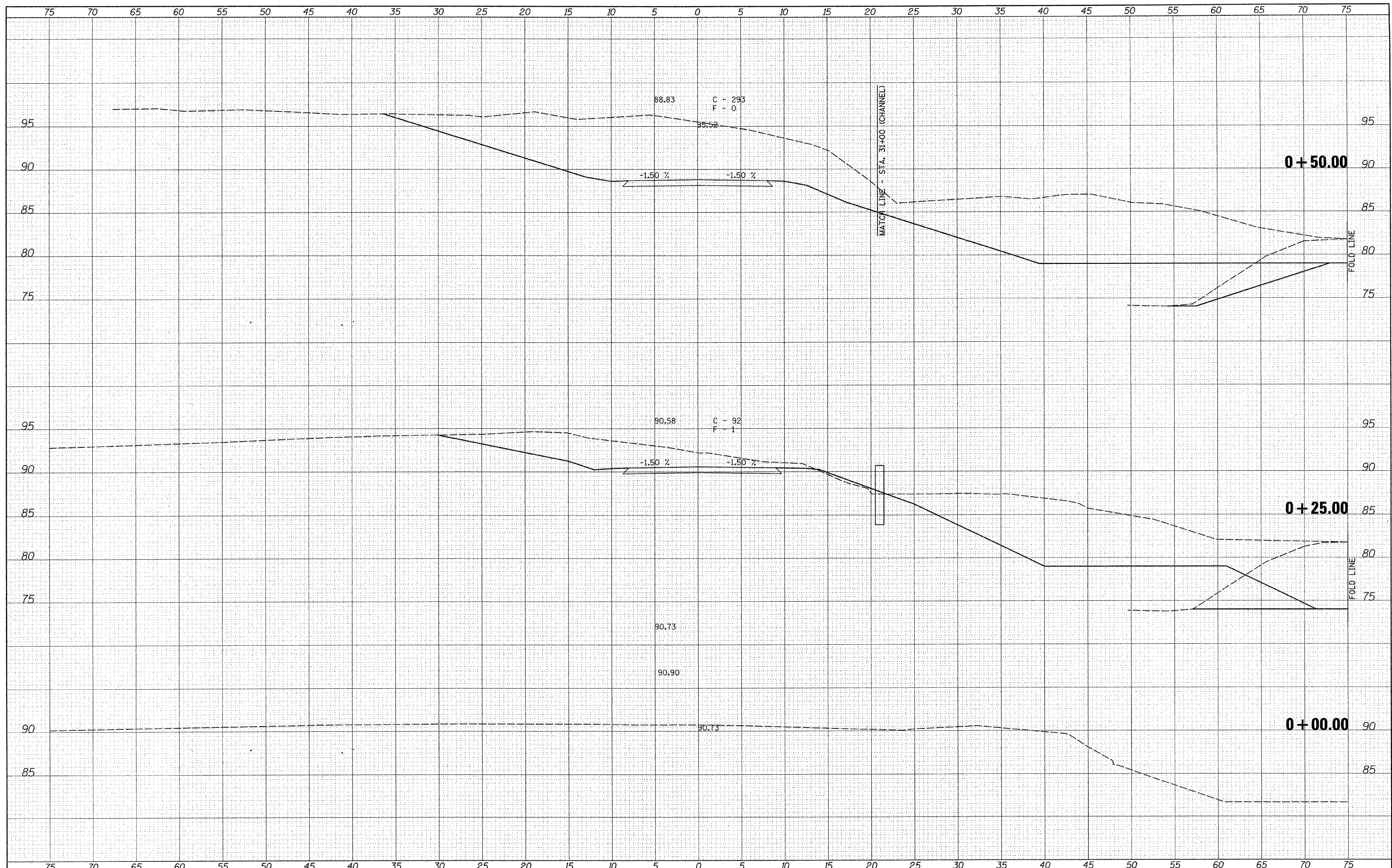
**PROJECT ENDS - STA. 21 + 40.00**


**PRIVATE ENTRANCE - SUMMIT**

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	 <b>Allen Henderson &amp; Associates, Inc.</b> Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907	<b>CROSS SECTIONS (T.R. 272)</b>		T.R. RTE. 272	SECTION 10-03114-00-BR	COUNTY SHELBY	TOTAL SHEETS 27	SHEET NO. 22
#FILE#		DRAWN -	REVISED -		SCALE: 1" = 5'	SHEET NO. 17 OF 27 SHEETS	STA. 20+37.50 TO STA. 21+90.00	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 95688	
		CHECKED -	REVISED -								
		DATE -	REVISED -								

DATE	
BY	
FINAL SURVEY	
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NOTE BOOK	
TEMPLATE	
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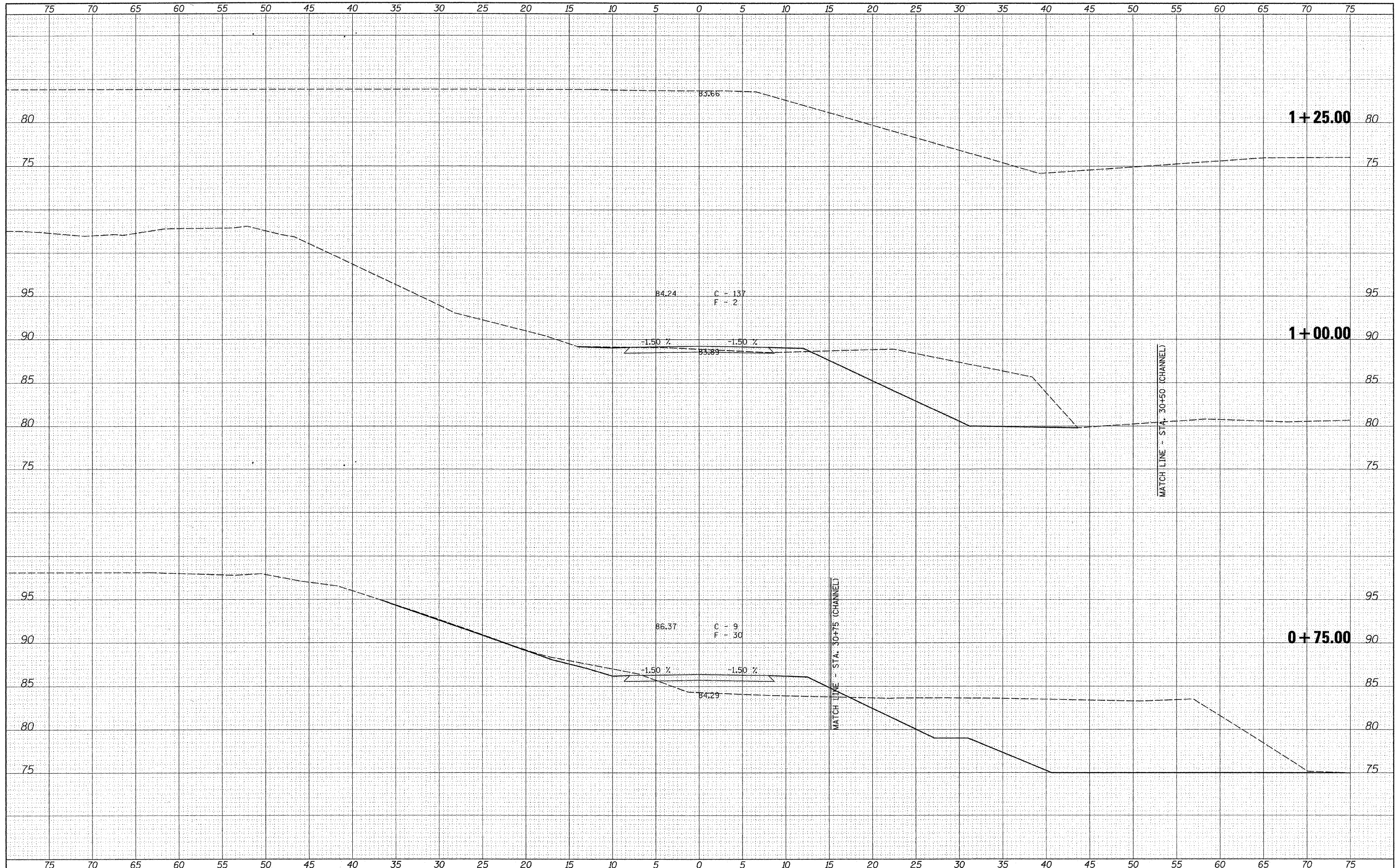
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FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	 <b>Allen Henderson &amp; Associates, Inc.</b> Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907	<b>CROSS SECTIONS (FIELD ENTRANCE)</b>		T.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL#		DRAWN -	REVISED -		SCALE: 1" = 5'	SHEET NO. 23 OF 27 SHEETS	272	10-03114-00-BR	SHELBY	27	23
		CHECKED -	REVISED -		STA. 0+00.00 TO STA. 0+50.00						
		DATE -	REVISED -								
						FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

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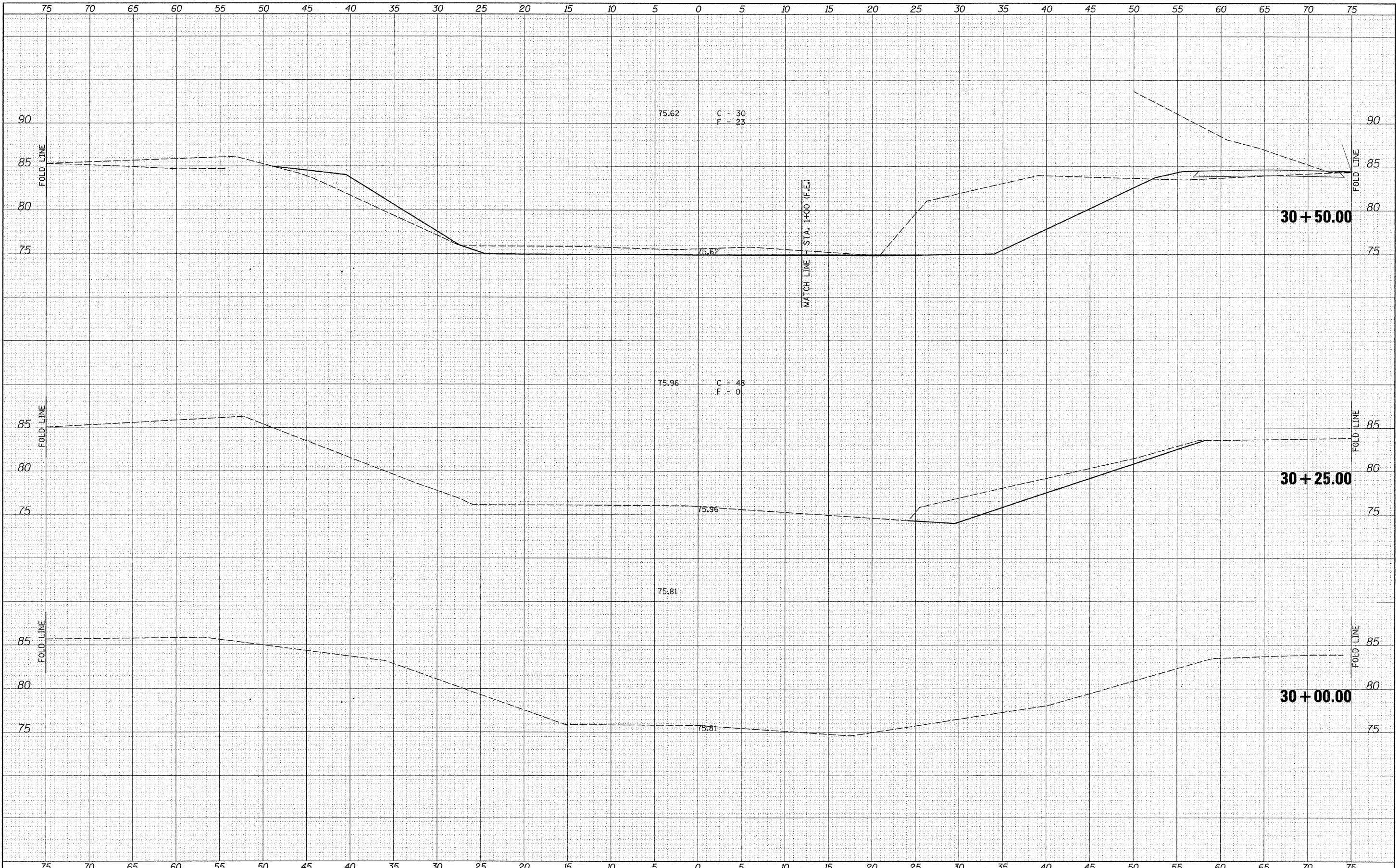


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#FILEL#		DRAWN -	REVISED -		SCALE: 1" = 5'	SHEET NO. 24 OF 27 SHEETS	STA. 0+75.00 TO STA. 1+25.00	272	10-03114-00-BR	SHELBY	27	24
PLOT SCALE = #SCALE#		CHECKED -	REVISED -				FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT		CONTRACT NO. 95688
PLOT DATE = #DATE#		DATE -	REVISED -									



DATE	
BY	
ORIGINAL SURVEY	
PLotted	
TEMPLATE	
AREAS	
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DATE	
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PLotted	
TEMPLATE	
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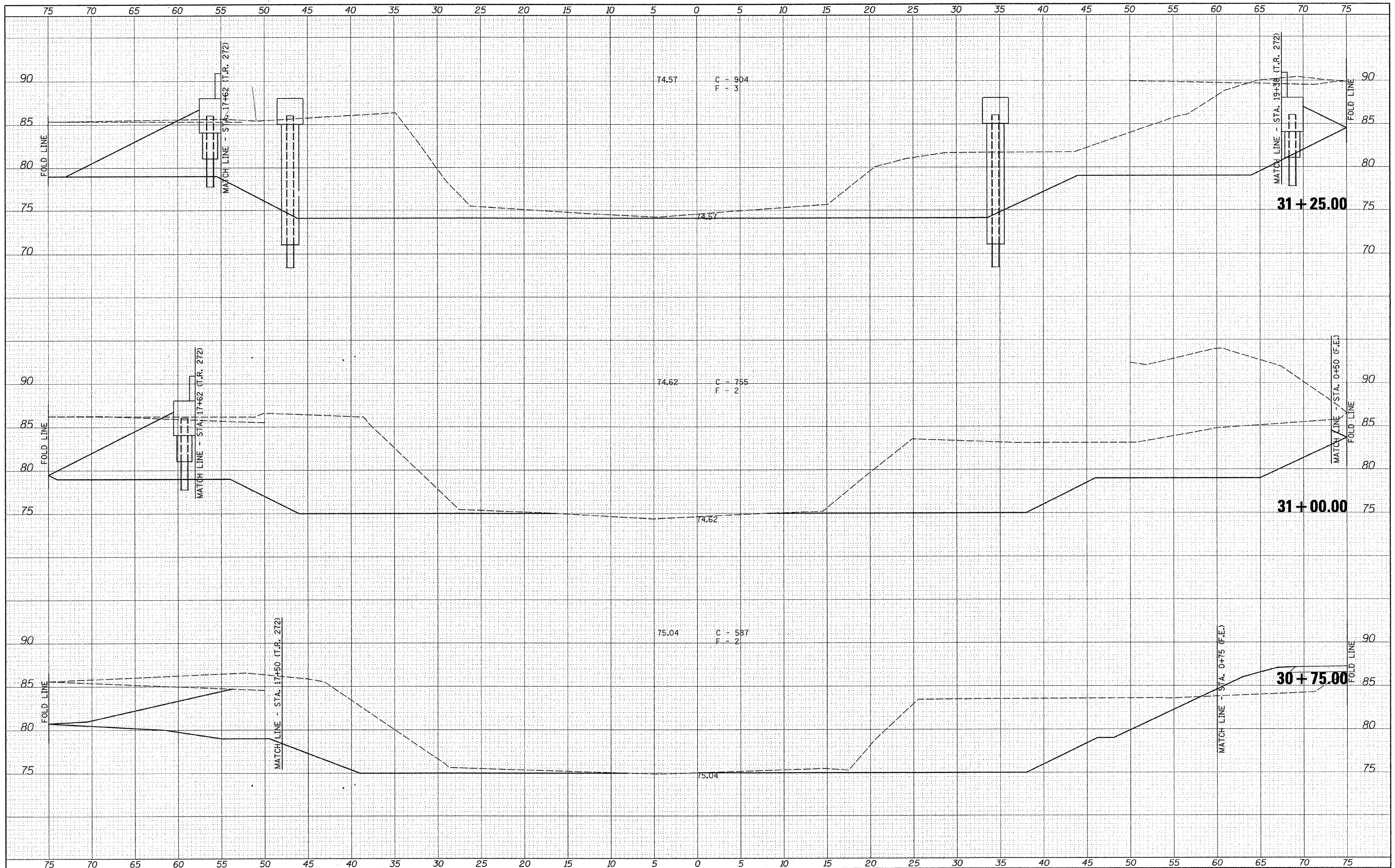
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PLOT SCALE = #SCALE#	CHECKED -	REVISED -
PLOT DATE = #DATE#	DATE -	REVISED -

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Civil and Structural Engineers Springfield, IL  
62703 Phone: (217)544-8033 IL Design Firm  
No. 184-001907

CROSS SECTIONS (THRU CHANNEL)			
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS
272	10-03114-00-BR	SHELBY	27
			SHEET NO. 25
			CONTRACT NO. 95688
SCALE: 1" = 5'    SHEET NO. 25 OF 27 SHEETS    STA. 30+00.00 TO STA. 30+50.00    FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT			

FINAL	SURVEY	DATE
BY	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

ORIGINAL	SURVEY	DATE
BY	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	



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

PLOT SCALE = #SCALE#	REVISOR -
PLOT DATE = #DATE#	REVISOR -
	REVISOR -
	REVISOR -

DESIGNED -	REVISOR -
DRAWN -	REVISOR -
CHECKED -	REVISOR -
DATE -	REVISOR -

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DATE -	REVISOR -

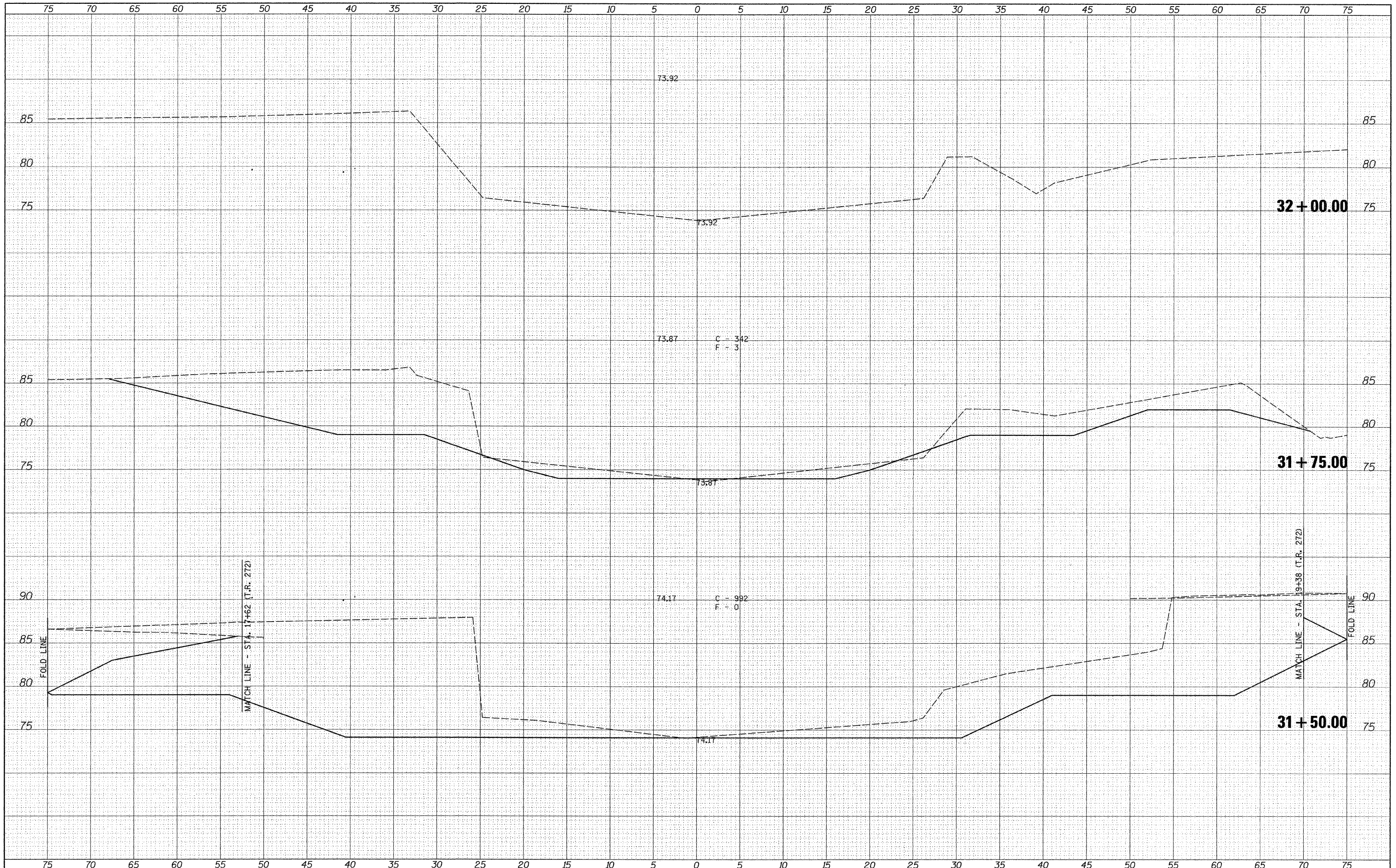
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 No. 184-001907

<b>CROSS SECTIONS (THRU CHANNEL)</b>	
SCALE: 1" = 5'	SHEET NO. 26 OF 27 SHEETS
STA. 30+75.00	TO STA. 31+25.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
272	10-03114-00-BR	SHELBY	27	26
CONTRACT NO. 95688				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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



FILE NAME =  
#FILE#

USER NAME = #USER#  
DESIGNED -  
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No. 184-001907

**CROSS SECTIONS (THRU CHANNEL)**

SCALE: 1" = 5' SHEET NO. 27 OF 27 SHEETS STA. 31+50.00 TO STA. 32+00.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
272	10-03114-00-BR	SHELBY	27	27
CONTRACT NO. 95688				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		