

1-20-2012 LETTING ITEM 100

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED
HIGHWAY BRIDGE PROGRAM
PIKE COUNTY
SECTION 09-00083-00-BR
F.A.S. 597 (CH 13) OVER BREWSTER CREEK
PROJECT NO. BRS-0597(103)
JOB NUMBER C-96-269-10

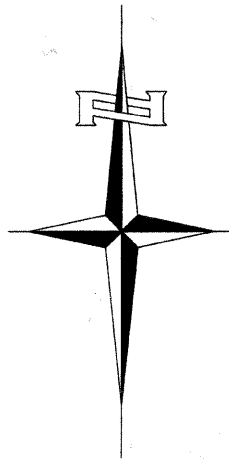
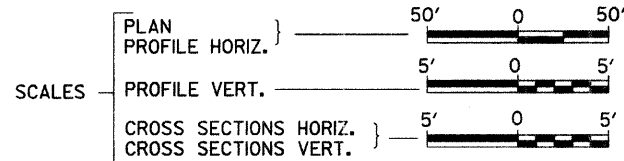
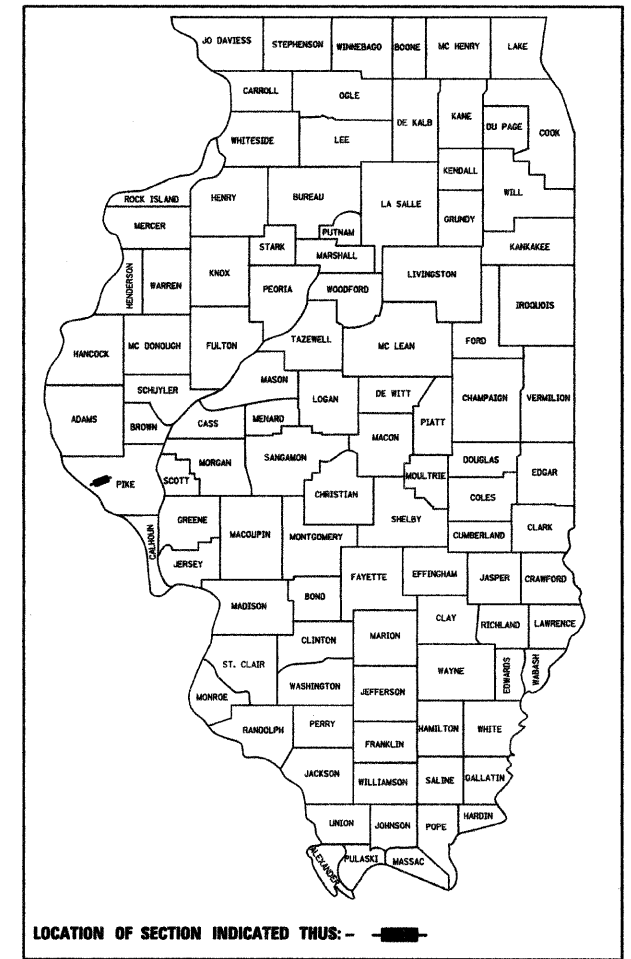
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
597	09-00083-00-BR	PIKE	26	1
FED. ROAD DIST. NO. 7	ILLINOIS	CONTRACT NO. 93550		

INDEX OF SHEETS

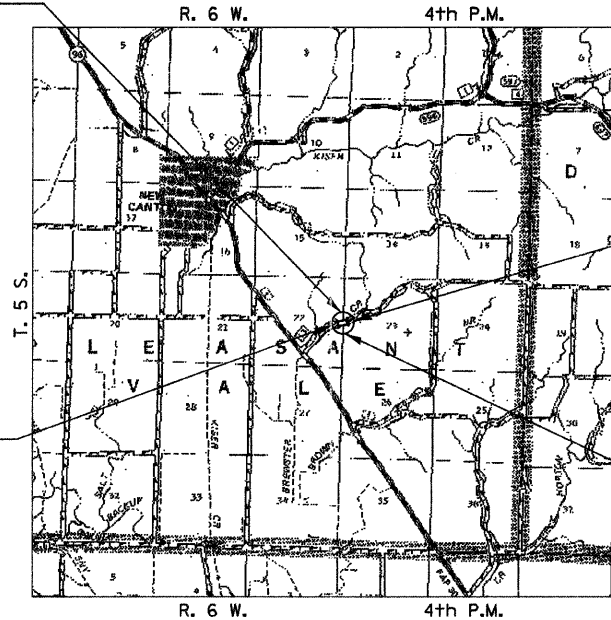
SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	GENERAL NOTES, DETAILS, TYPICAL SECTIONS, TIE POINTS
3.	SUMMARY OF QUANTITIES, SCHEDULES OF QUANTITIES
4.	TRAFFIC CONTROL PLAN
5.	STORM WATER POLLUTION PREVENTION PLAN
6.	PLAN AND PROFILE
7.-13.	STRUCTURE PLANS
14.-26.	CROSS SECTIONS

REQUIRED HIGHWAY STANDARDS

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



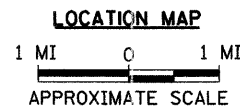
EXISTING STRUCTURE SN 075-3187
 SINGLE SPAN TIMBER DECK ON STEEL BEAM SUPERSTRUCTURE ON CONCRETE CLOSED ABUTMENTS, ±38'-0" BK TO BK AND ±20'-0" O TO O DECK, NO SKEW (TO BE REMOVED)



SECTION 09-00083-00-BR ENDS STATION 25+00.00

SECTION 09-00083-00-BR BEGINS STATION 15+00.00

PROPOSED STRUCTURE SN 075-3317
 SINGLE SPAN 21" PPC DK BM STRUCTURE ON SPILL THRU PILE BENT ABUTMENTS 53'-0" BK TO BK, AND 32'-0" O TO O DECK, NO SKEW



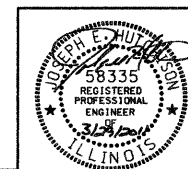
NET LENGTH OF PROJECT = 1,000.00 FEET = 0.189 MILES
 DESIGN CLASSIFICATION: MINOR COLLECTOR (NON-URBAN)
 DESIGN ADT = 100 (2011)
 DESIGN SPEED = 40 MPH

UTILITY COMPANIES
 ILLINOIS RURAL ELECTRIC WINCHESTER, ILLINOIS
 NICOR GAS NAPERVILLE, ILLINOIS
 PIKE COUNTY WATER DISTRICT PITTSFIELD, ILLINOIS
 FRONTIER COMMUNICATIONS JACKSONVILLE, ILLINOIS

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

CONTRACT NO. 93550

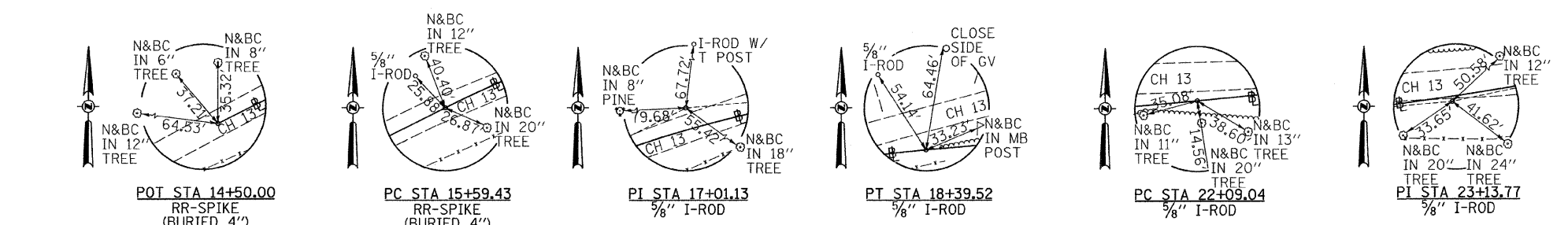
Hutchison Engineering, Inc.
 JACKSONVILLE ILLINOIS



Joseph E. Hutchison
 SIGNATURE

ENGINEERS SEAL

APPROVED	3-29	2011
	<i>Ch. R. [Signature]</i>	PIKE COUNTY ENGINEER
PASSED	April 5,	2011
	<i>Terrence H. Fountain</i>	DISTRICT SIX ENGINEER OF LOCAL ROADS & STREETS
PASSED	April 6,	2011
	<i>Ron Dehambro</i>	DISTRICT SIX ENGINEER OF CONSTRUCTION
Released For Bid Based on Limited Review	April 5,	2011
	<i>Roger L. Driskell</i>	DEPUTY DIRECTOR OF HIGHWAYS, REGION FOUR ENGINEER
		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



GENERAL NOTES

PLAN QUANTITIES FOR TREE REMOVAL HAVE BEEN BASED ON ALL TREES WITHIN THE PROPOSED RIGHT OF WAY. THIS QUANTITY MAY BE REVISED DURING CONSTRUCTION, AT THE DIRECTION OF THE ENGINEER, BY DELETING FROM THE TREE REMOVAL QUANTITIES, SUCH TREES THAT DO NOT INTERFERE WITH THE PROPOSED CONSTRUCTION.

THE REMOVAL OF EXISTING AGGREGATE SURFACE AND GRAVEL OR CRUSHED STONE BASE COURSE WHICH MAY BE NECESSARY FOR THE CONSTRUCTION OF THE NEW BRIDGE SHALL BE REMOVED AS EARTH EXCAVATION AND NO COMPENSATION WILL BE ALLOWED FOR ADDITIONAL LABOR OR EQUIPMENT REQUIRED.

ALL WASTE OR UNDESIRABLE MATERIAL AS IDENTIFIED BY THE ENGINEER SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY AT THE CONTRACTOR'S EXPENSE.

ALL EXISTING PRIVATELY OWNED UTILITIES REQUIRING ADJUSTMENT WILL BE MADE BY THE UTILITY COMPANY INVOLVED. WHERE NO PROVISIONS HAVE BEEN MADE FOR ADJUSTMENTS ON THE PLANS, NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCES CAUSED BY THE SAID UTILITY ADJUSTMENTS.

THE PROFILE GRADE ELEVATIONS SHOWN ON THE PLAN AND PROFILE SHEETS AND IN THE STATION CROSS SECTIONS ARE TO THE TOP OF THE FINISHED SURFACE.

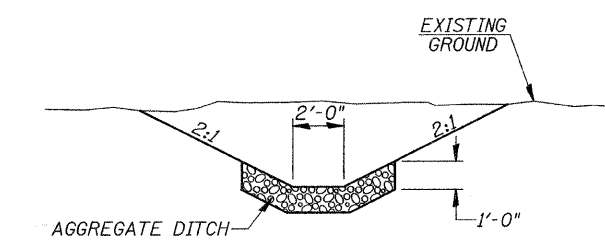
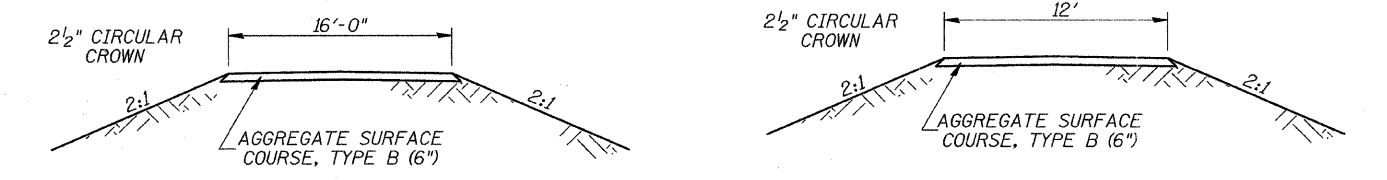
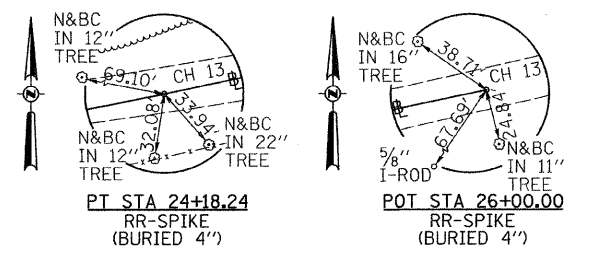
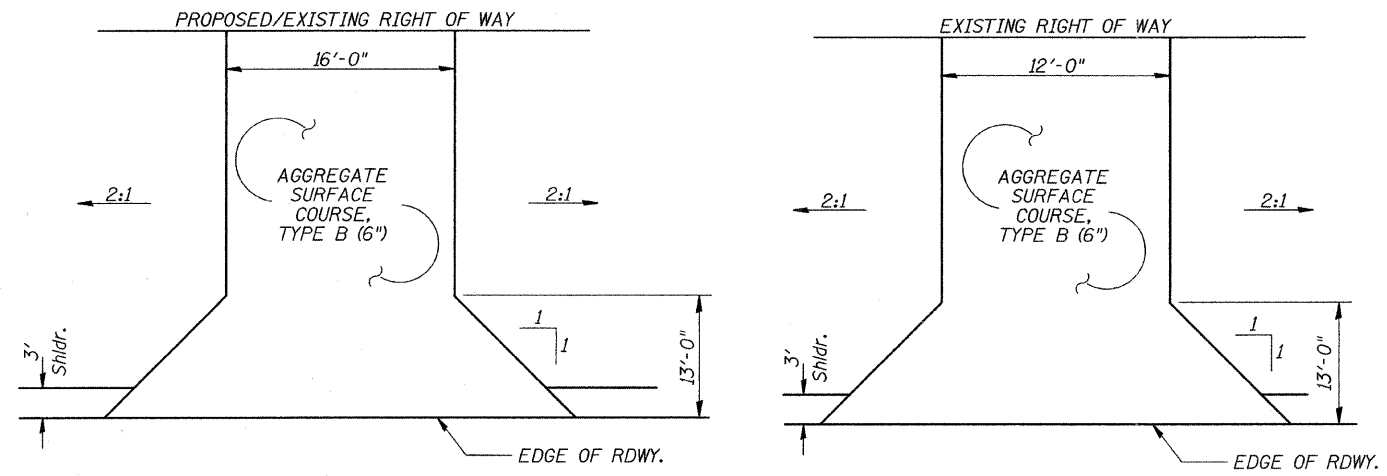
ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE COUNTY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL INDEMNIFY THE COUNTY, ITS OFFICERS AND EMPLOYEES AGAINST ALL CLAIMS DUE TO DAMAGE TO CORPORATE OR PRIVATE PROPERTY RESULTING FROM HIS CONSTRUCTION OPERATIONS AS DESCRIBED IN ARTICLES 107.20 AND 107.26 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS GRADING AND TRENCHING OPERATIONS AROUND TRANSMISSION POLES AND UNDER TRANSMISSION LINES. THE ADDED COST OF SO DOING SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE PROPERTY MARKERS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT, HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

ALL ELEVATIONS SHOWN REFER TO AN U.S.G.S. MEAN SEA LEVEL DATUM.

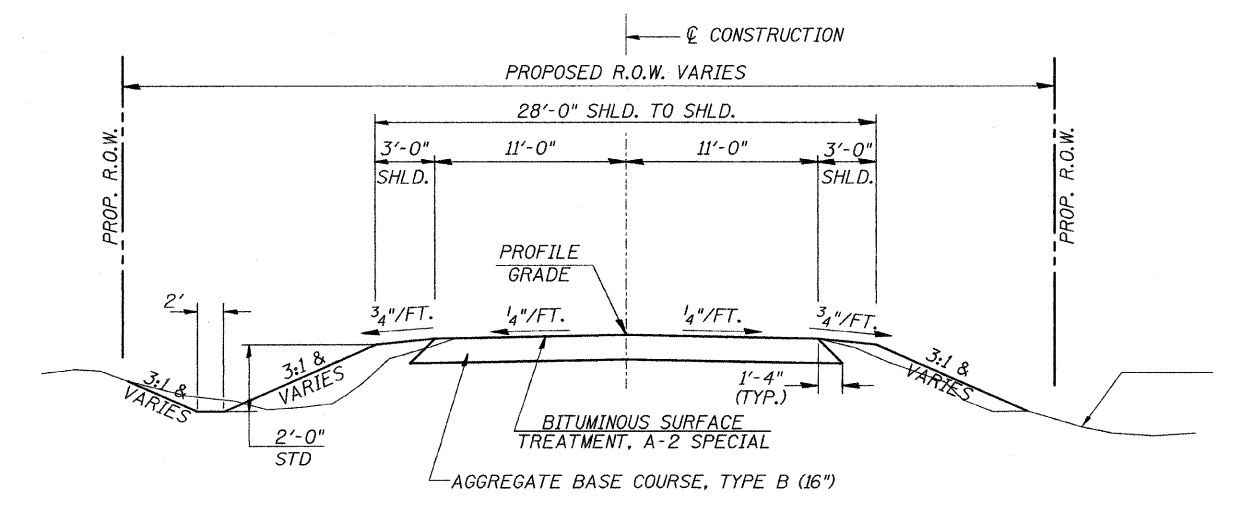


PROPOSED FIELD ENTRANCES

STA 18+13 LT
STA 21+26 RT

PROPOSED PRIVATE ENTRANCE

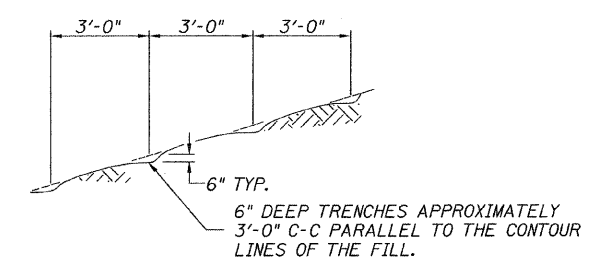
STA 18+85 LT



PROPOSED TYPICAL SECTION

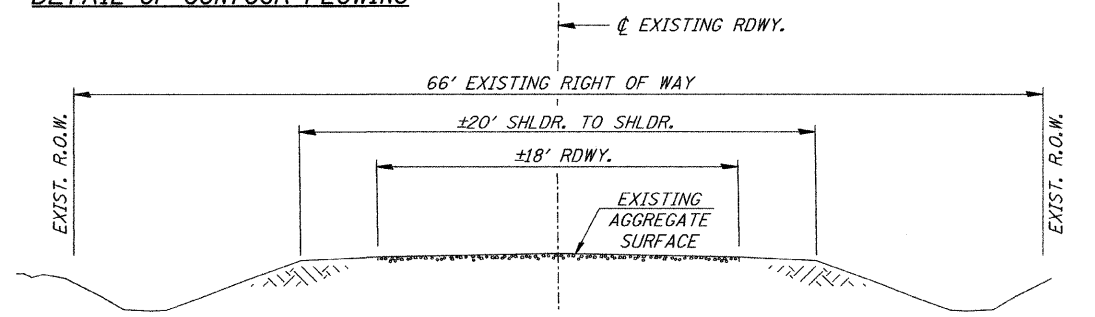
STA. STA. 15+00.00 TO STA. 19+73.50
STA. 20+26.50 TO STA. 25+00.00

BRIDGE OMISSION
STA. 19+73.50 TO STA. 20+26.50



NOTE: ALL SLOPES 3:1 OR STEEPER AND GREATER THAN 5' IN HEIGHT SHALL BE CONTOUR PLOWED AS SHOWN IN DETAIL. COST SHALL BE INCLUDED WITH SEEDING, CLASS 2 (SPECIAL).

DETAIL OF CONTOUR PLOWING



EXISTING TYPICAL SECTION

FILE NAME = V:\Bridge\2698-Pike\2698t01.dgn	USER NAME = cthomas	DESIGNED -	REVISED -	PIKE COUNTY COUNTY HIGHWAY 13 OVER BREWSTER CREEK	GENERAL NOTES, TYPICAL SECTIONS, DETAILS, TIE POINTS			F.A.S. RTE. 597	SECTION 09-00083-00-BR	COUNTY PIKE	TOTAL SHEETS 26	SHEET NO. 2
PLOT SCALE = 44,4563 Ft / IN.	CHECKED -	REVISOR -	SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA. 15+00.00 TO STA. 25+00.00	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT BRS-0597(103)			
PLOT DATE = 3/28/2011	DATE -	REVISOR -										
CONTRACT NO. 93550												

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	629
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	252
20200100	EARTH EXCAVATION	CU YD	4,750
20300100	CHANNEL EXCAVATION	CU YD	100
25100630	EROSION CONTROL BLANKET	SQ YD	147
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	750
① 28000305	TEMPORARY DITCH CHECKS	FOOT	264
28000400	PERIMETER EROSION BARRIER	FOOT	780
28000500	INLET AND PIPE PROTECTION	EACH	3
28200200	FILTER FABRIC	SQ YD	330
28300400	AGGREGATE DITCH	TON	176
35101400	AGGREGATE BASE COURSE, TYPE B	TON	2,046
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	66
① 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50105220	PIPE CULVERT REMOVAL	FOOT	29
50200100	STRUCTURE EXCAVATION	CU YD	70
50300225	CONCRETE STRUCTURES	CU YD	25.8
50300280	CONCRETE ENCASEMENT	CU YD	3.5
① 50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	1,637
50800105	REINFORCEMENT BARS	POUND	2,870
* ① 50900205	STEEL RAILING, TYPE S1	FOOT	106
① 51201400	FURNISHING STEEL PILES HP10x42	FOOT	196
① 51202305	DRIVING PILES	FOOT	196
① 51203400	TEST PILE STEEL HP10x42	EACH	2
51500100	NAME PLATES	EACH	1
① 54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	34
① 54200223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	42
① 54200241	PIPE CULVERTS, CLASS D, TYPE 1 36"	FOOT	48
① 59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	15.1
67100100	MOBILIZATION	L SUM	1
* ① 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
① X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.5
① X2810228	STONE RIPRAP, CLASS B4 (SPECIAL)	TON	300
① X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
① XX004450	BITUMINOUS SURFACE TREATMENT, A-2 SPECIAL	SQ YD	2,489
① XX008542	OBLITERATE EXISTING ROADBED	SQ YD	49

① SEE SPECIAL PROVISIONS
* SPECIALTY ITEMS

CONSTRUCTION TYPE CODE: X08010011

AGGREGATE BASE COURSE, TYPE B

STATION TO STATION	THICKNESS	WIDTH	LENGTH	TON
15+00.00 - 15+50.00	1.33'	20.45' AVG.	50.00'	95
15+50.00 - 19+73.50	1.33'	23.33'	423.50'	920
20+26.50 - 24+50.00	1.33'	23.33'	423.50'	920
24+50.00 - 25+00.00	1.33'	23.84' AVG.	50.00'	111
TOTAL				2,046

EARTHWORK SUMMARY

STATION TO STATION	EARTH EXCAVATION	CHANNEL EXCAVATION	STRUCTURE EXCAVATION	FILL	WASTE (SHORTAGE)
	CU YD	CU YD	CU YD	CU YD	CU YD
RDWY 15+00.00 - 19+73.50	2,570			220	2,277
RDWY 20+26.50 - 25+00.00	2,181			65	2,094
CHANNEL STRUCTURE		100	70		
TOTAL	4,751	100	70	285	4,371
USE	4,750	100	70	-	4,370

(@ 25% SHRINKAGE)

EROSION CONTROL BLANKET

STATION TO STATION	SIDE	WIDTH	LENGTH	AREA (SQ YD)
15+55 - 17+00	RIGHT	6'	145'	97
16+25 - 17+00	LEFT	6'	75'	50
TOTAL				147

TEMPORARY DITCH CHECKS

STATION	SIDE	FOOT
15+25	LEFT	12
15+25	RIGHT	12
15+45	RIGHT	12
15+50	RIGHT	12
15+55	RIGHT	12
16+00	LEFT	12
16+00	RIGHT	12
16+75	LEFT	12
16+75	RIGHT	12
17+30	LEFT	12
17+30	RIGHT	12
17+75	LEFT	12
17+75	RIGHT	12
19+77	LEFT	12
20+13	RIGHT	12
20+40	RIGHT	12
20+65	RIGHT	12
22+10	RIGHT	12
22+80	RIGHT	12
23+70	RIGHT	12
24+50	RIGHT	12
24+75	RIGHT	12
TOTAL		264

INLET & PIPE PROTECTION

STATION	SIDE	EACH
15+50	LEFT	1
18+25	LEFT	1
21+38	RIGHT	1
TOTAL		3

PIPE CULVERT REMOVAL

STATION	SIZE	SIDE	FOOT
21+24	36"	LEFT	29
TOTAL			29

OBLITERATE EXISTING ROADBED

STATION TO STATION	SIDE	WIDTH	SQ YD
18+93 - 19+75	LEFT	VARIABLE	49
TOTAL			49

AGGREGATE SURFACE COURSE, TYPE B

STATION TO STATION	WIDTH	LENGTH	TON
ENTR. - 18+13 LT	16.0' & VAR.	20.92'	18
ENTR. - 18+85 LT	12.0' & VAR.	28.98'	19
ENTR. - 21+26 RT	16.0' & VAR.	33.67'	29
TOTAL			66

PERIMETER EROSION BARRIER

STATION TO STATION	SIDE	FOOT
17+95 - 18+25	LEFT	35
18+25 - 19+74	RIGHT	165
18+68 - 19+00	LEFT	40
20+26 - 25+00	LEFT	500
20+88 - 21+23	RIGHT	40
TOTAL		780

TREE REMOVAL

STATION	OFFSET	SIDE	6 TO 15 UNITS	OVER 15 UNITS
15+44	46'	RIGHT	10	
15+45	32'	RIGHT	6	
15+45	43'	RIGHT	6	
15+50	50'	RIGHT	6	
15+50	45'	RIGHT	6	
15+52	43'	RIGHT	6	
15+59	32'	RIGHT	12	
15+62	35'	LEFT	10	
15+73	23'	RIGHT	12	
15+77	35'	LEFT	10	
15+78	22'	RIGHT	12	
15+94	34'	LEFT	8	
15+95	31'	RIGHT	8	
15+95	30'	RIGHT	8	
16+06	39'	RIGHT	8	
16+11	35'	LEFT	8	
16+18	35'	LEFT	8	
16+21	41'	RIGHT	12	
16+24	36'	LEFT	10	
16+37	34'	RIGHT	12	
16+63	41'	RIGHT	10	
16+65	38'	RIGHT	12	
16+66	34'	RIGHT	10	
16+67	39'	RIGHT	12	
16+68	36'	RIGHT	12	
16+87	41'	RIGHT	6	
17+01	40'	RIGHT	8	
17+07	35'	RIGHT	6	
17+24	31'	RIGHT	14	
17+35	29'	RIGHT	12	
17+37	27'	RIGHT	14	
17+46	38'	RIGHT	8	
17+57	22'	RIGHT	6	
17+69	31'	RIGHT	9	
17+83	33'	RIGHT	9	
17+84	25'	RIGHT	6	
18+04	16'	RIGHT	8	
18+07	28'	RIGHT	6	
18+30	27'	RIGHT	14	
18+45	20'	RIGHT	8	
18+47	12'	RIGHT	10	
TOTAL			629	252

AGGREGATE DITCH**

STATION TO STATION	SIDE	WIDTH	TON	FILTER FABRIC (SQ YD)
15+00 - 15+50	LEFT	6'	18	34
15+00 - 15+50	RIGHT	6'	30	55
17+00 - 17+95	LEFT	6'	34	65
17+00 - 18+00	RIGHT	6'	36	67
20+13 - 20+90	RIGHT	6'	27	51
21+38 - 21+50	RIGHT	6'	4	8
24+25 - 25+00	RIGHT	6'	27	50
TOTAL			176	330

** Aggregate Ditch shall conform to material type B-3 of the Standard Specifications

BITUMINOUS SURFACE TREATMENT, A-2 SPECIAL

STATION TO STATION	WIDTH	LENGTH	SQ YD
15+00.00 - 15+50.00	19.12' AVG.	50.00'	106
15+50.00 - 19+73.50	22.00'	423.50'	1,035
BRIDGE DECK	32.00'	53.00'	188
20+26.50 - 24+50.00	22.00'	423.50'	1,035
24+50.00 - 25+00.00	22.51' AVG.	50.00'	125
TOTAL			2,489

PIPE CULVERTS, CLASS D, TYPE 1 15"

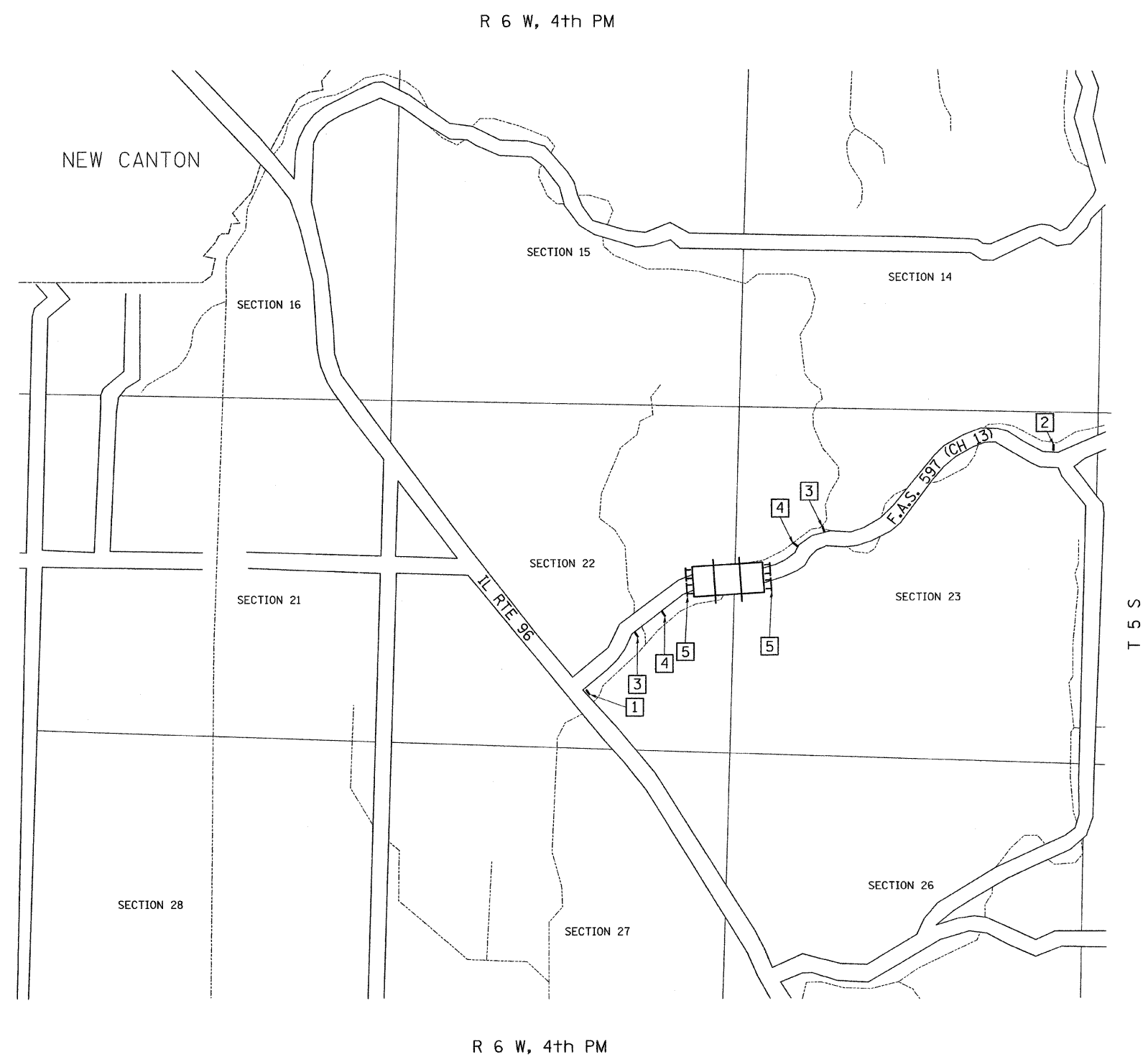
STATION	SIDE	FOOT
18+13	LEFT	34
TOTAL		34

PIPE CULVERTS, CLASS D, TYPE 1 36"

STATION	SIDE	FOOT
21+26	RIGHT	48
TOTAL		48

PIPE CULVERTS, CLASS D, TYPE 1 18"

STATION	SIDE	FOOT
15+50	¢	42
TOTAL		42



- 1

ROAD CLOSED
1/2 MILE AHEAD
LOCAL TRAFFIC ONLY
R11-3
- 2

ROAD CLOSED
1 MILE AHEAD
LOCAL TRAFFIC ONLY
R11-3
- 3

ROAD CLOSED
AHEAD
W20-3
- 4








ROAD CLOSED
500 FT
W20-3
- 5

TYPE III BARRICADES

SEE STANDARD BLR 21
AND SPECIAL PROVISIONS

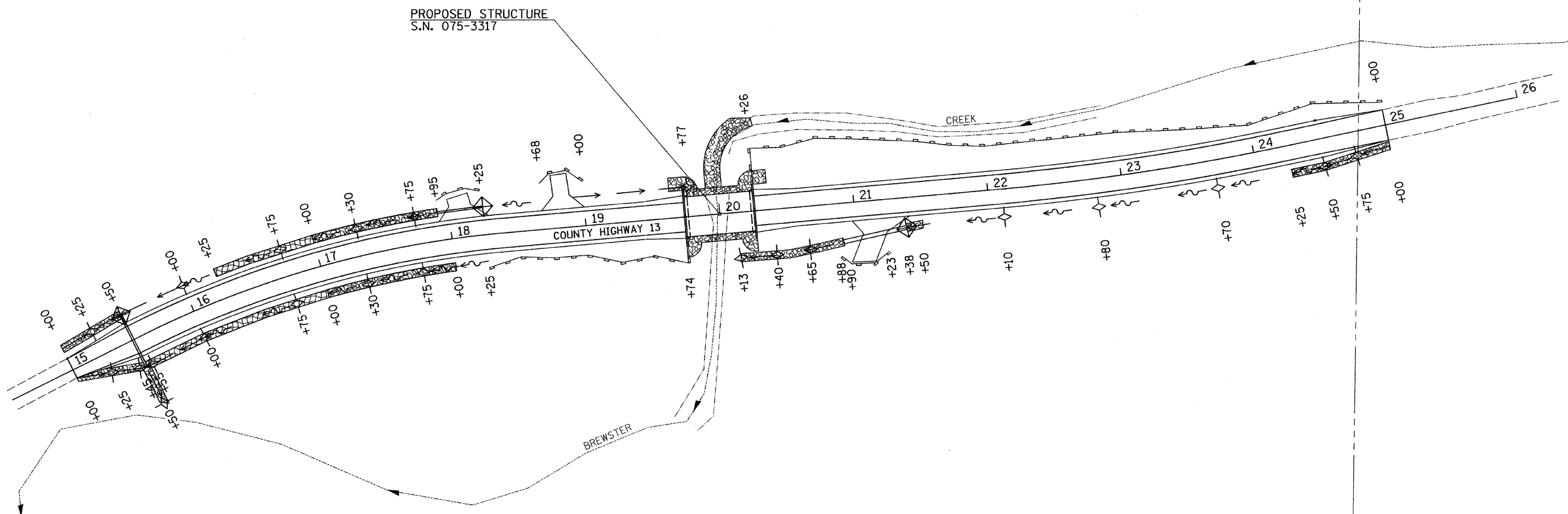
FILE NAME = V:\Bridge\2698-Pike\2698h001.dgn	USER NAME = cthomas	DESIGNED -	REVISED -	PIKE COUNTY COUNTY HIGHWAY 13 OVER BREWSTER CREEK	TRAFFIC CONTROL PLAN	F.A.S. RTE. 597	SECTION 09-00083-00-BR	COUNTY PIKE	TOTAL SHEETS 26	SHEET NO. 4
PLOT SCALE = 1.0000 "/td> <td>CHECKED -</td> <td>REVISED -</td> <td>REVISED -</td> <td>SCALE: NONE</td> <td>SHEET NO. 1 OF 1 SHEETS</td> <td colspan="2">STA. 15+00.00 TO STA. 25+00.00</td> <td colspan="3">CONTRACT NO. 93550</td>	CHECKED -	REVISED -	REVISED -	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. 15+00.00 TO STA. 25+00.00		CONTRACT NO. 93550		
PLOT DATE = 3/28/2011	DATE = 03/02/09	REVISED -	REVISED -			FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT BRS-099711031		

LEGEND

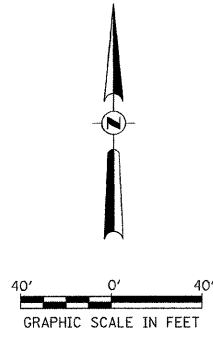
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  STANDARD DITCH - FLOW LINE AND DIRECTION
-  SPECIAL DITCH - FLOW LINE AND DIRECTION
-  PROPOSED RIPRAP/AGGREGATE DITCH PLACEMENT
-  INLET & PIPE PROTECTION
-  EROSION CONTROL BLANKET

T 5 S, R 6 W, 4th PM
SECTION 22

T 5 S, R 6 W, 4th PM
SECTION 23



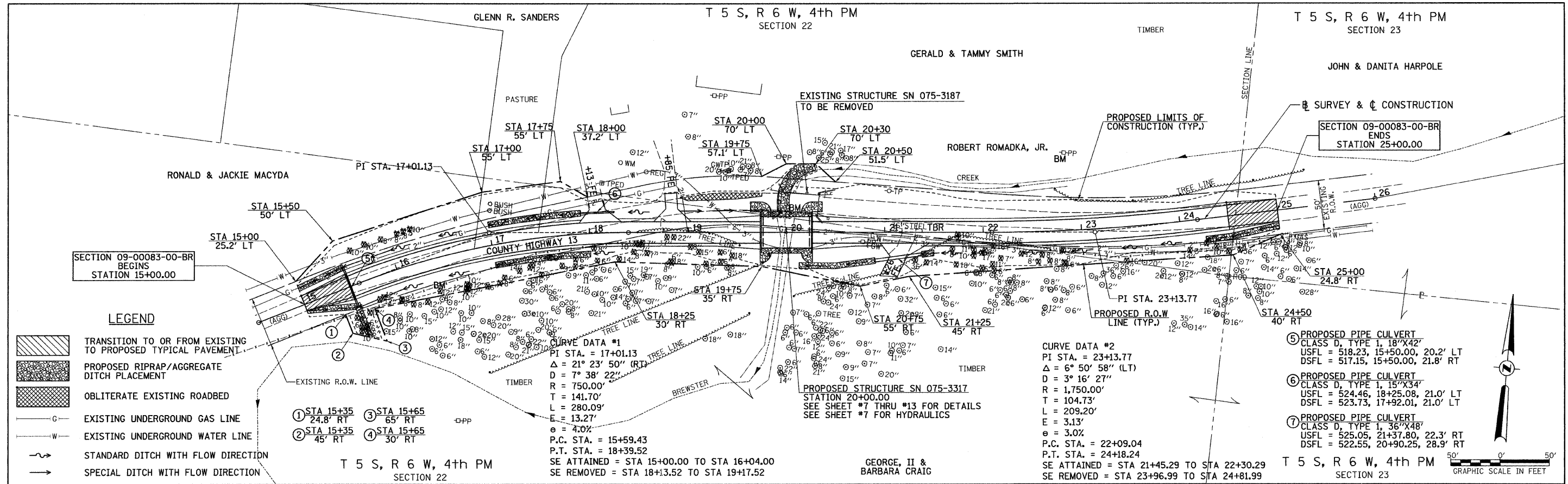
NOTE: TEMPORARY EROSION CONTROL SEEDING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 280.04 OF THE STANDARD SPECIFICATIONS.



T 5 S, R 6 W, 4th PM
SECTION 22

T 5 S, R 6 W, 4th PM
SECTION 23

FILE NAME = Y:\Bridge\2698-Pike\2698S001.dgn	USER NAME = cthomas	DESIGNED -	REVISED -	PIKE COUNTY COUNTY HIGHWAY 13 OVER BREWSTER CREEK	STORM WATER POLLUTION PREVENTION PLAN	F.A.S. RTE. 597	SECTION 09-00083-00-BR	COUNTY PIKE	TOTAL SHEETS 26	SHEET NO. 5		
						SCALE: 1" = 40' SHEET NO. 1 OF 1 SHEETS STA. 15+00.00 TO STA. 25+00.00		CONTRACT NO. 93550				
						FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT BRS-0597(103)						



- LEGEND**
- TRANSITION TO OR FROM EXISTING TO PROPOSED TYPICAL PAVEMENT
 - PROPOSED RIPRAP/AGGREGATE DITCH PLACEMENT
 - OBLITERATE EXISTING ROADBED
 - EXISTING UNDERGROUND GAS LINE
 - EXISTING UNDERGROUND WATER LINE
 - STANDARD DITCH WITH FLOW DIRECTION
 - SPECIAL DITCH WITH FLOW DIRECTION

- ① STA 15+35 24.8' RT
- ② STA 15+35 45' RT
- ③ STA 15+65 65' RT
- ④ STA 15+65 30' RT

CURVE DATA #1
 PI STA. = 17+01.13
 $\Delta = 21^\circ 23' 50''$ (RT) TREE LINE
 $D = 7^\circ 38' 22''$
 $R = 750.00'$
 $T = 141.70'$
 $L = 280.09'$
 $E = 13.27'$
 $e = 4.0%$
 P.C. STA. = 15+59.43
 P.T. STA. = 18+39.52
 SE ATTAINED = STA 15+00.00 TO STA 16+04.00
 SE REMOVED = STA 18+13.52 TO STA 19+17.52

CURVE DATA #2
 PI STA. = 23+13.77
 $\Delta = 6^\circ 50' 58''$ (LT)
 $D = 3^\circ 16' 27''$
 $R = 1,750.00'$
 $T = 104.73'$
 $L = 209.20'$
 $E = 3.13'$
 $e = 3.0%$
 P.C. STA. = 22+09.04
 P.T. STA. = 24+18.24
 SE ATTAINED = STA 21+45.29 TO STA 22+30.29
 SE REMOVED = STA 23+96.99 TO STA 24+81.99

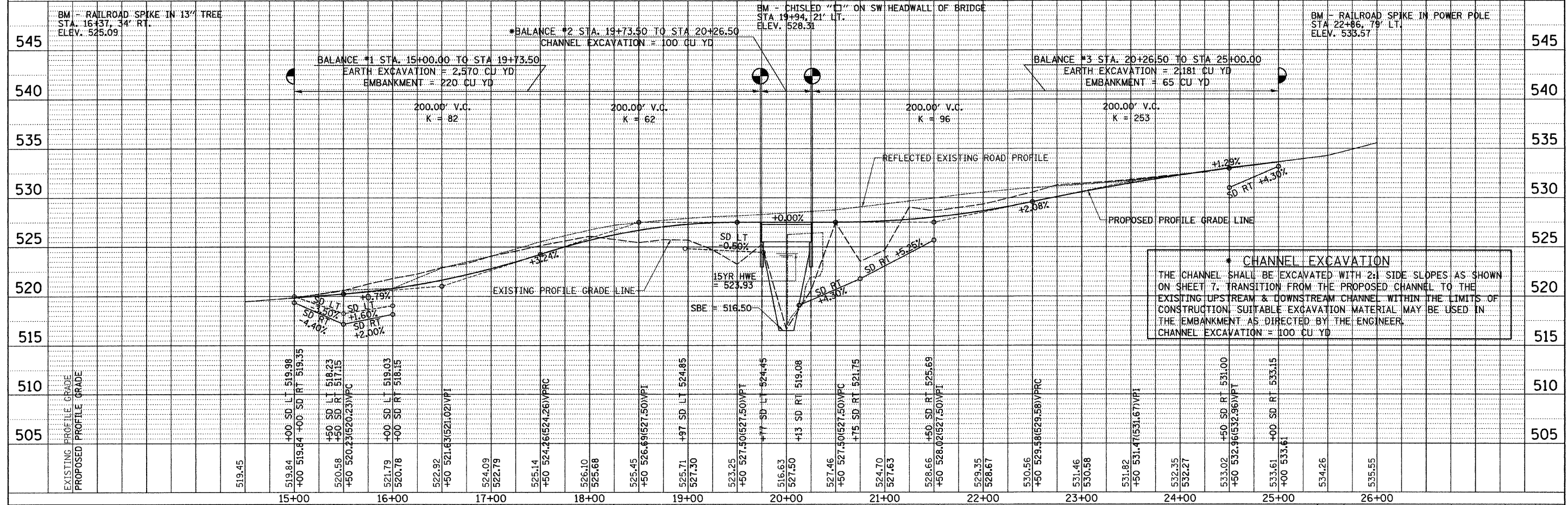
- ⑤ PROPOSED PIPE CULVERT
 CLASS D, TYPE 1, 18"X42"
 USFL = 518.23, 15+50.00, 20.2' LT
 DSFL = 517.15, 15+50.00, 21.8' RT
- ⑥ PROPOSED PIPE CULVERT
 CLASS D, TYPE 1, 15"X34"
 USFL = 524.46, 18+25.08, 21.0' LT
 DSFL = 523.73, 17+92.01, 21.0' RT
- ⑦ PROPOSED PIPE CULVERT
 CLASS D, TYPE 1, 36"X48"
 USFL = 525.05, 21+37.80, 22.3' RT
 DSFL = 522.55, 20+90.25, 28.9' RT

PLAN

DATE	BY

PROFILE

DATE	BY



FILE NAME = V:\br\dga\2698-Pike\2698p001.dgn	USER NAME = cthomas	DESIGNED -	REVISED -	PIKE COUNTY COUNTY HIGHWAY 13 OVER BREWSTER CREEK				PLAN AND PROFILE				F.A.S. RTE. 597	SECTION 09-00083-00-BR	COUNTY PIKE	TOTAL SHEETS 26	SHEET NO. 6							
PLOT SCALE = 50.00' / IN.	CHECKED -	REVISED -	REVISED -									SCALE: 1"=50'				SHEET NO. 1 OF 1 SHEETS				STA. 15+00.00 TO STA. 25+00.00			
PLOT DATE = 3/28/2011	DATE -	REVISED -	REVISED -									CONTRACT NO. 93550				FED. ROAD DIST. NO. 7 (ILLINOIS)				FED. AID PROJECT BRS-0597(103)			

B.M.: RR Spike in 13" Tree
Sta. 16+37, 34' Rt.
Elev. 525.09

RR Spike in Power Pole
Sta. 22+86, 79' Lt.
Elev. 533.57

Existing Structure:
Single span timber deck on steel beam superstructure on concrete closed abutments. The structure is ±38' back to back of abutments, 20' out to out of deck with a ±19' driving surface and is not skewed. Str. No. 075-3187

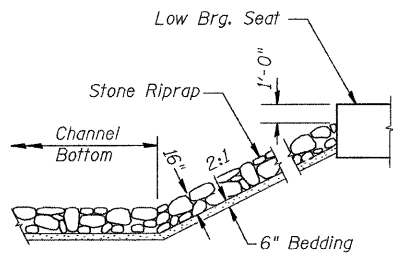
Salvage: None

Road to be closed to traffic during construction.

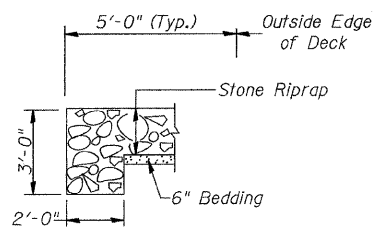
**BREWSTER CREEK
BUILT 20L BY
PIKE COUNTY
SEC. 09-00083-00-BR
C.H. 13 STATION 20+00.00
F.A. PROJ. BRS-0597(103)
STR. NO. 075-3317 LOADING HL-93**

NAME PLATE

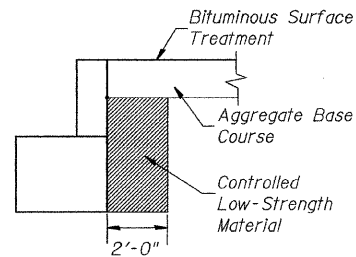
Locate Name Plate at S.W. Wingwall Corner of Bridge (See Std. 515001)



STONE RIPRAP DETAIL



SECTION A-A



SECTION B-B

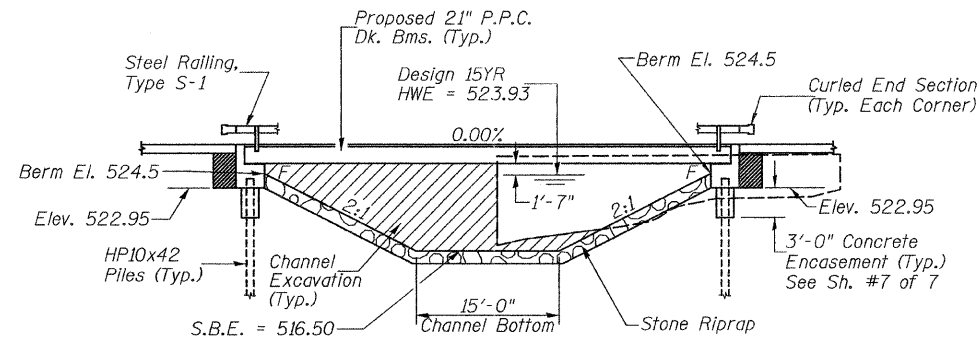
DESIGN SCOUR TABLE

Location	W. Abut. E.	Abut.
Design Scour Elevation	522.95	522.95

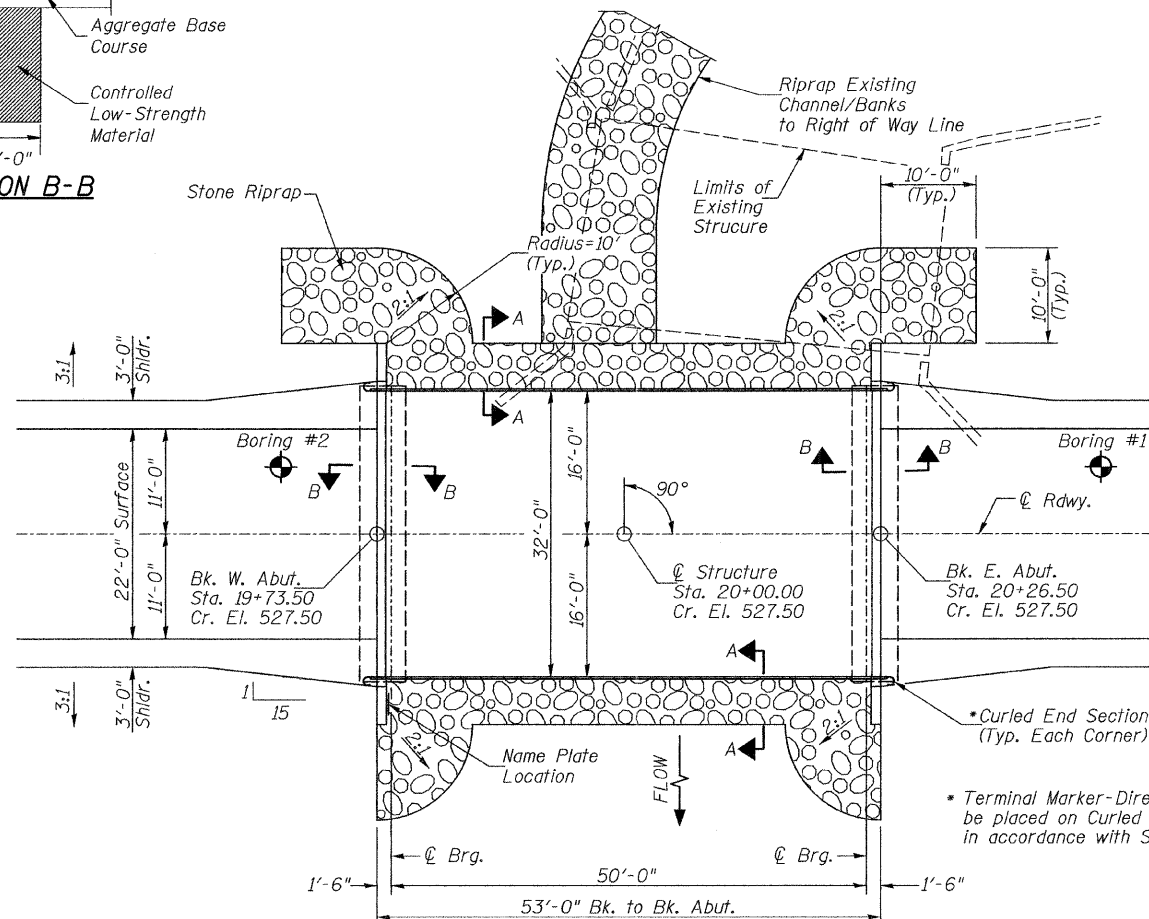
WATERWAY INFORMATION

Drainage Area = 1.17 Sq. Mi.		Low Grade Elev. = 519.45 @ Sta. 14+50.00							
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Prop.	Nat. H.W.E. Exist.	Prop.	Headwater El. Exist.	Prop.	
Design	15	960	132	222	523.93	0.75	0.10	524.68	524.03
Base	100	1,630	173	271	525.00	1.16	0.24	526.16	525.24

DESIGNED	S.T.M.
CHECKED	J.E.H.
DRAWN	C.E.T.
CHECKED	J.E.H.



ELEVATION



PLAN

DESIGN SPECIFICATIONS

2007 AASHTO (LRFD) & Interims

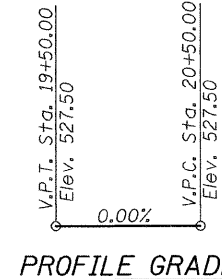
DESIGN STRESSES

(FIELD UNITS) $f'c = 3,500$ p.s.i. $f_y = 60,000$ p.s.i. (Rein.)

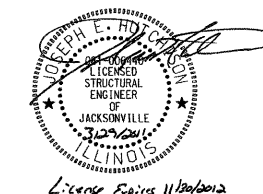
(PRECAST PRESTRESSED UNITS) $f'c = 6,000$ p.s.i. $f'ci = 5,000$ p.s.i. $f's = 270,000$ p.s.i. ($\frac{1}{2}$ " Strands) $f'si = 201,960$ p.s.i. ($\frac{1}{2}$ " Strands)

LOADING HL-93

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

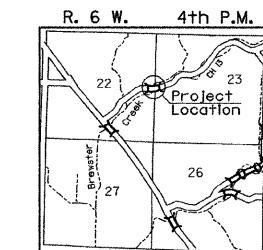


PROFILE GRADE



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 AASHTO Standard Specification for Highway Bridges. This design complies with all requirements of the current AASHTO Guide Specifications for Seismic Design of highway bridges.

Illinois Structural No. 6440
Expires 11/30/2012



LOCATION SKETCH

GENERAL NOTES

The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at the substructures specified or approved by the Engineer before ordering the remainder of the piles. For Soil Boring Logs, See Special Provisions. A Corrosion Inhibitor shall be used in the concrete for Precast Prestressed Concrete Deck Beams according to Article 1020.05(b)(12) of the Standard Specifications. Reinforcement Bars shall conform to the requirements of ASTM A706 Grade 60. Reinforcement Bars designated (E) shall be epoxy coated. Layout of the slope protection system may be varied in the field to suit ground conditions as directed by the Engineer. Excavation behind existing closed abutment walls shall be done before removing existing Superstructure. The existing structural steel coating may contain lead. The contractor should take appropriate precautions to deal with the presence of lead on this project. The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	CU YD	—	100	100
Stone Riprap, Class B4 (Special)	TON	—	300	300
Removal of Existing Structures	EACH	—	—	1
Structure Excavation	CU YD	—	70	70
Concrete Structures	CU YD	—	25.8	25.8
Precast Prestressed Concrete Deck Beams (21" Depth)	SQ FT	1,637	—	1,637
Reinforcement Bars	POUND	—	2,870	2,870
Steel Railing, Type S1	FOOT	106	—	106
Furnishing Steel Piles HP10x42	FOOT	—	196	196
Driving Piles	FOOT	—	196	196
Test Pile Steel HP10x42	EACH	—	2	2
Concrete Encasement	CU YD	—	3.5	3.5
Name Plates	EACH	—	1	1
Controlled Low-Strength Material	CU YD	—	15.1	15.1
Bituminous Surface Treatment, A-2 Special	SQ YD	188	—	188

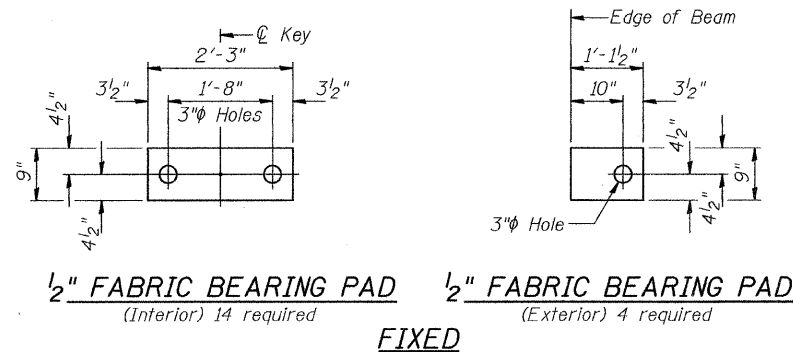
① See Special Provisions

GENERAL PLAN & ELEVATION

PIKE COUNTY

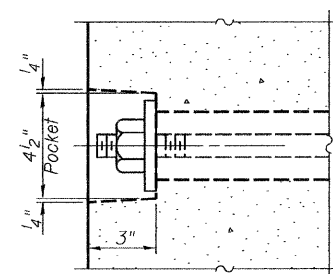
**SECTION 09-00083-00-BR
C.H. 13 OVER BREWSTER CREEK**

SHEET NO. 1	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7 SHEETS	CH 13	09-00083-00-BR	PIKE	26	7
S.N. 075-3317			CONTRACT NO. 98550		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BRS-0597(103)		

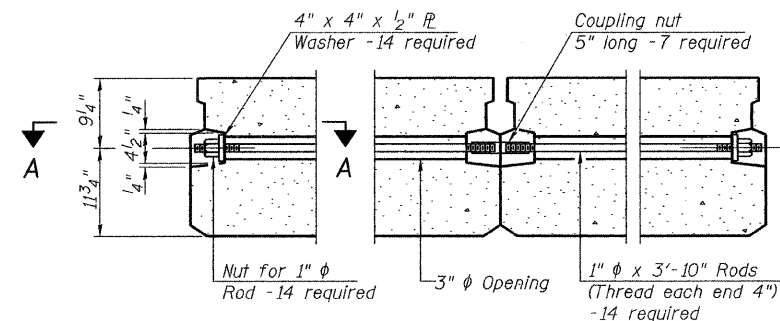


1/2" FABRIC BEARING PAD (Interior) 14 required
1/2" FABRIC BEARING PAD (Exterior) 4 required

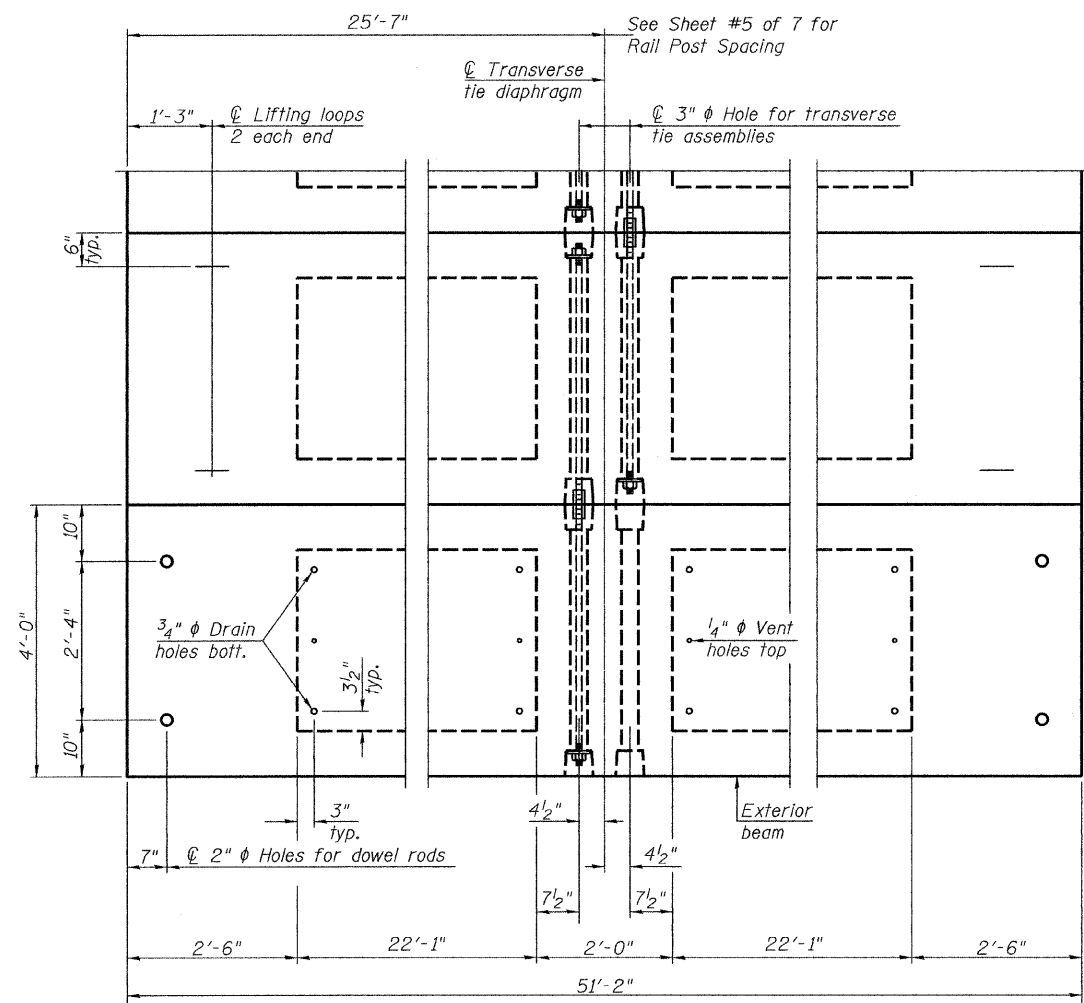
FIXED



SECTION A-A

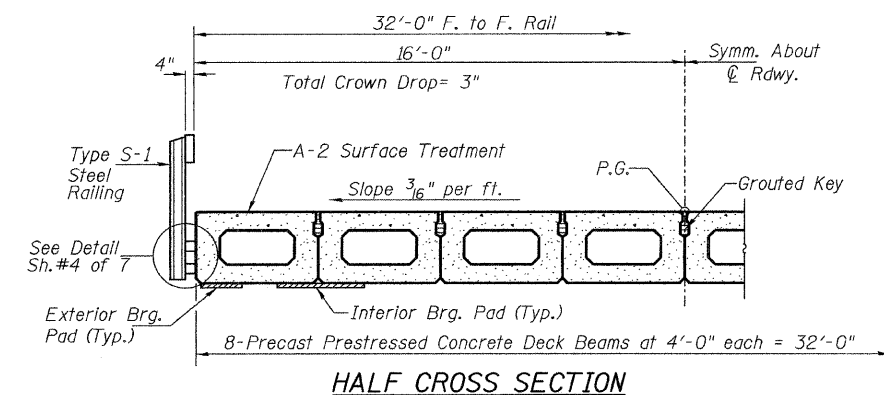


TYPICAL TRANSVERSE TIE ASSEMBLY



PLAN VIEW

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



HALF CROSS SECTION

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
① Precast Prestressed Concrete Deck Beams (21" Depth)	SQ FT	1,637

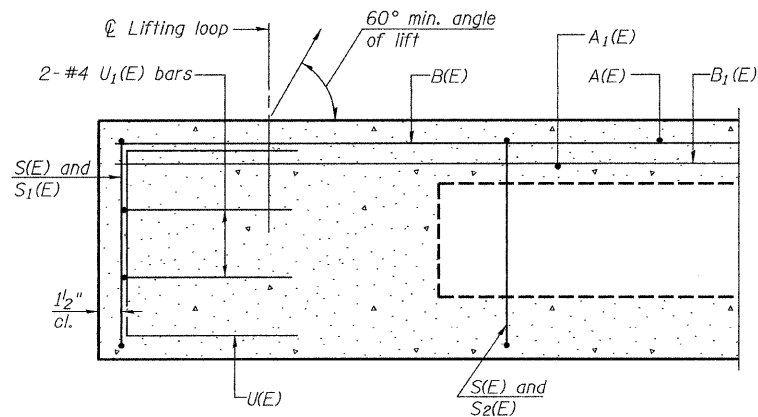
① See Special Provisions

NOTES

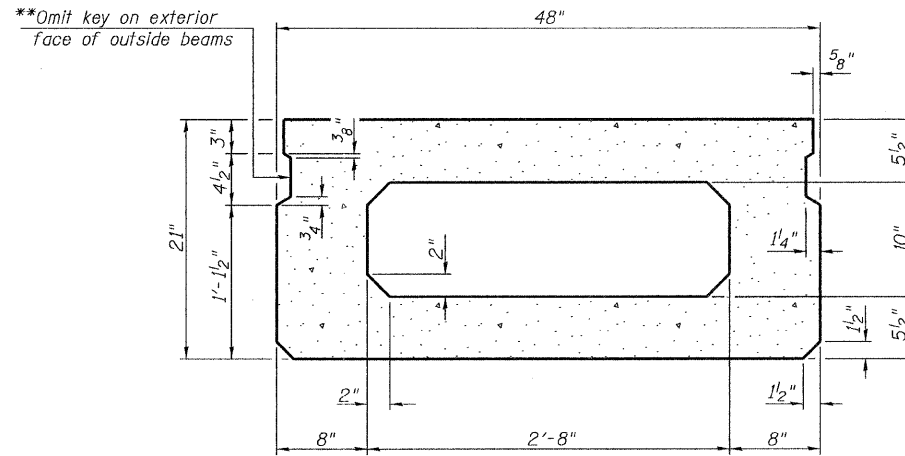
Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior 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.
 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'cl, shall be 5000 psi.

SUPERSTRUCTURE
PIKE COUNTY
SECTION 09-00083-00-BR
C.H. 13 OVER BREWSTER CREEK

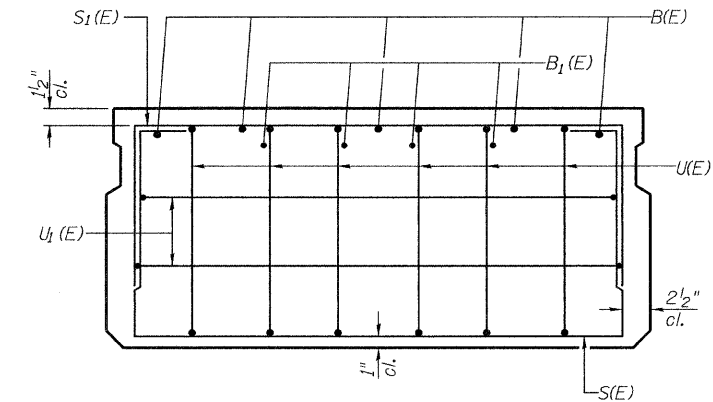
SHEET NO. 2	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CH 13	09-00083-00-BR	PIKE	26	8
7 SHEETS	S.N. 075-3317		CONTRACT NO. 93550		
	FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT BRS-0597(103)		



SECTION C-C



SECTION A-A



VIEW B-B

**Omit key on exterior face of outside beams

**Rail post anchor devices (Sheet 4 of 7) to be cast into exterior face of outside beams.

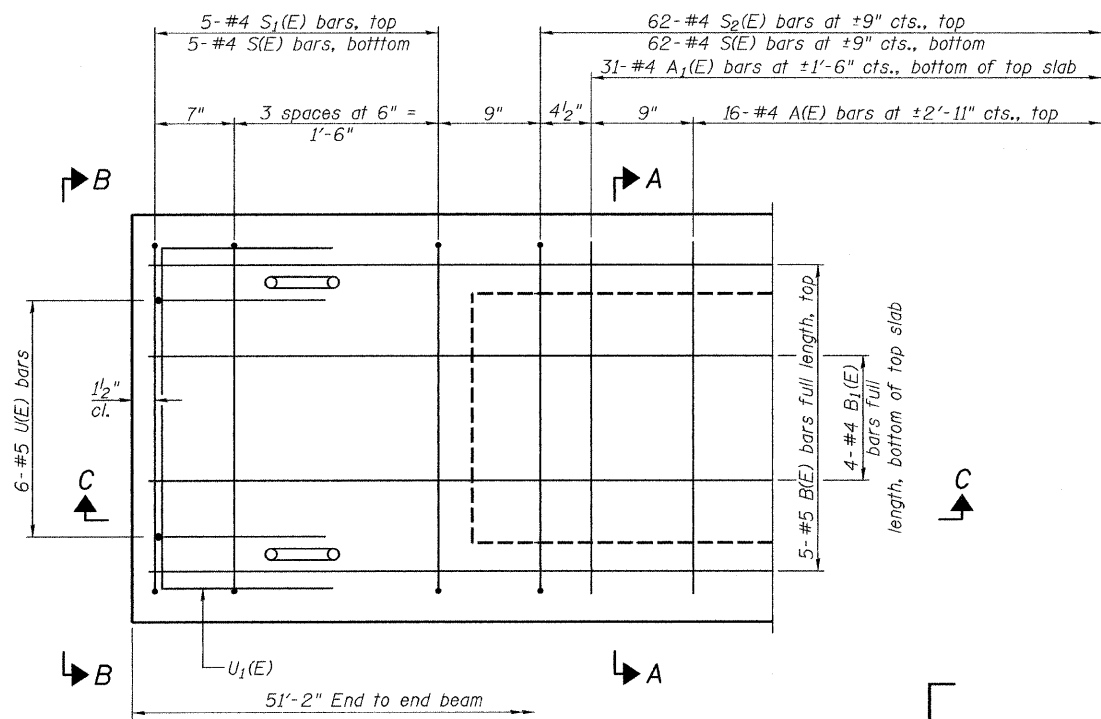
BAR LIST-ONE BEAM ONLY

(For Information Only)

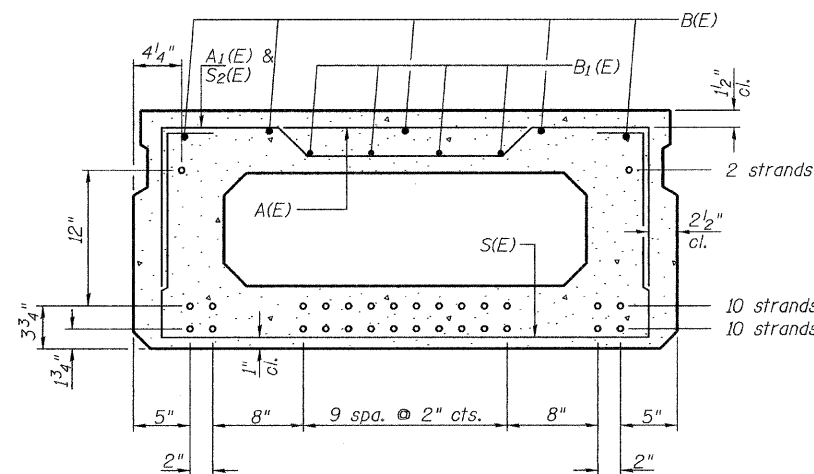
Bar	No.	Size	Length	Shape
A(E)	16	#4	3'-7"	—
A1(E)	31	#4	3'-10"	—
B(E)	5	#5	*50'-11"	—
B1(E)	4	#4	*50'-11"	—
S(E)	72	#4	7'-5"	□
S1(E)	10	#4	5'-11"	□
S2(E)	62	#4	6'-2"	□
U(E)	12	#5	4'-0"	□
U1(E)	4	#4	6'-0"	□

* Total Length, Lap as necessary

Note: See sheet 2 of 7 for additional details and Bill of Material.



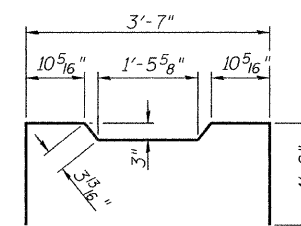
PLAN VIEW



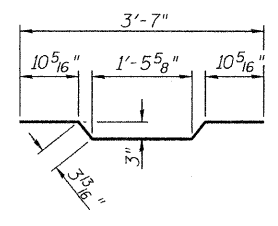
SECTION A-A

22-#5 Strands Each Strand Stressed to 30,900 Lbs.
10-Strands 1 3/4" up, 10-Strands 3 3/4" up, 2-Strands 1'-3 3/4"

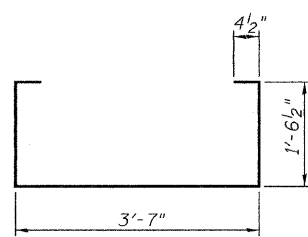
Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.



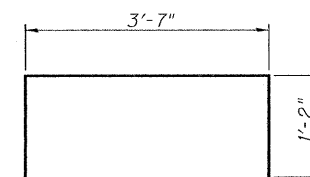
BAR S2(E)



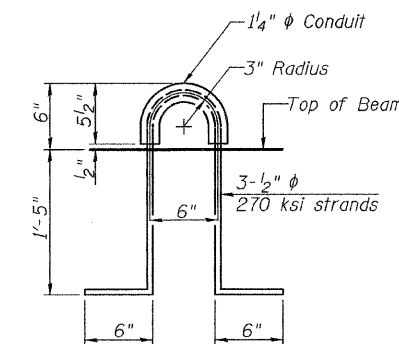
BAR A1(E)



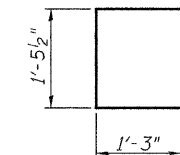
BAR S(E)



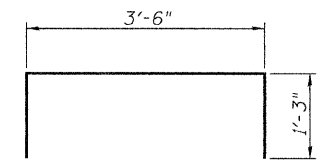
BAR S1(E)



LIFTING LOOP DETAIL



BAR U(E)



BAR U1(E)

Note: Spacing of S(E) and S1(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"

SUPERSTRUCTURE DETAILS

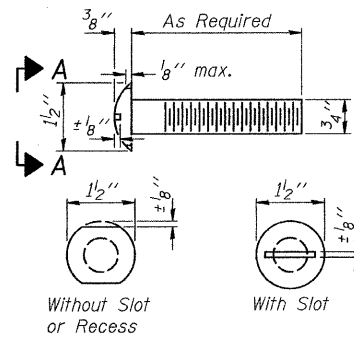
PIKE COUNTY

SECTION 09-00083-00-BR

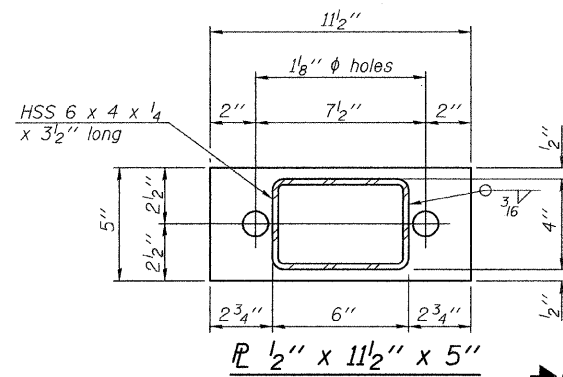
C.H. 13 OVER BREWSTER CREEK

SHEET NO. 3 7 SHEETS	ROUTE NO. CH 13	SECTION 09-00083-00-BR	COUNTY PIKE	TOTAL SHEETS 26	SHEET NO. 9
	S.N. 075-3317		CONTRACT NO. 98550		
	FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT BRS-0597(103)		

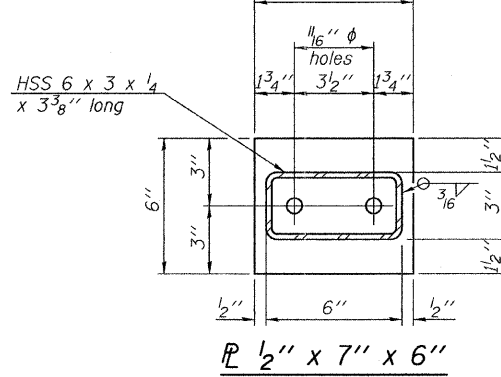
FOR RAIL POST SPACING SEE SH.#5 OF 7



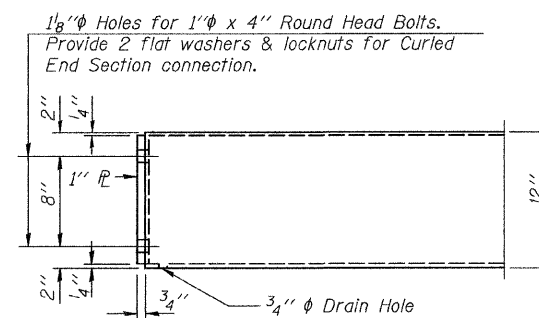
VIEW A-A
ROUND HEAD BOLT



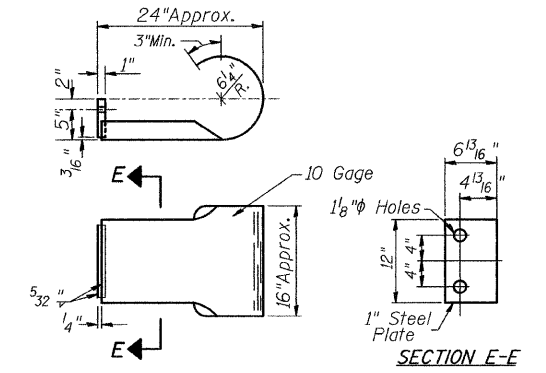
\bar{P} 1/2" x 11 1/2" x 5"



\bar{P} 1/2" x 7" x 6"



END OF RAIL DETAILS



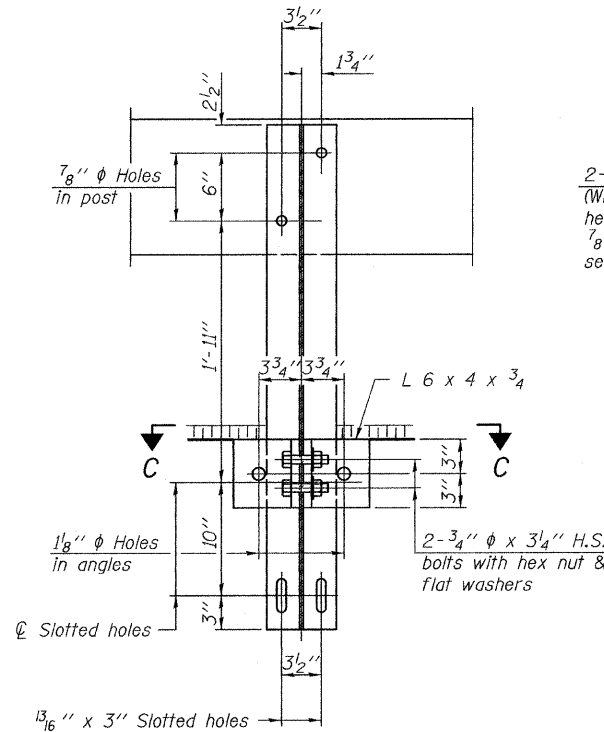
SECTION E-E
CURLED END SECTION

(4 Req'd) Cast Included with Steel Railing, Type S-1. Terminal Markers - Direct Applied shall be placed on end of each Curled End Section. (Each Corner)

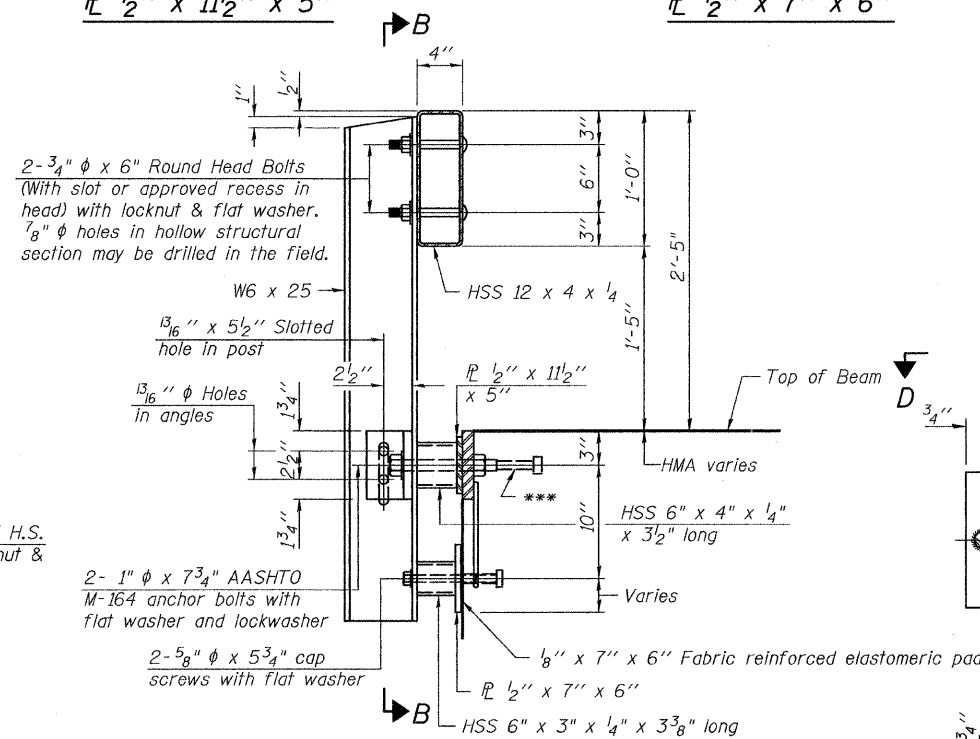
NOTES

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.

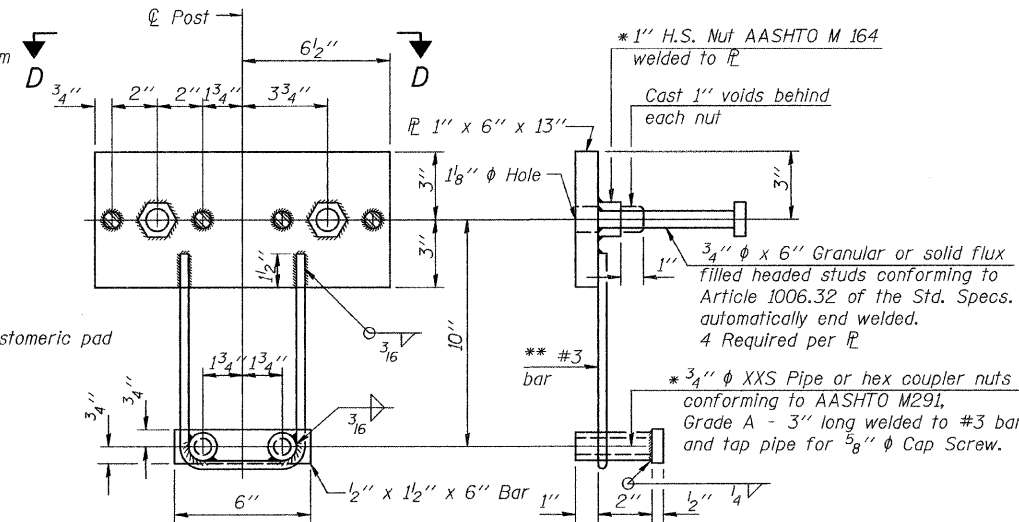
*** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.



SECTION B-B

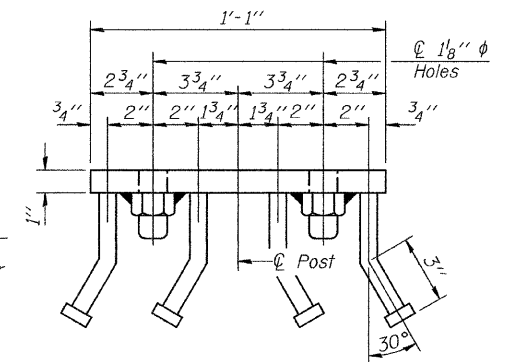


SECTION AT RAILING POST

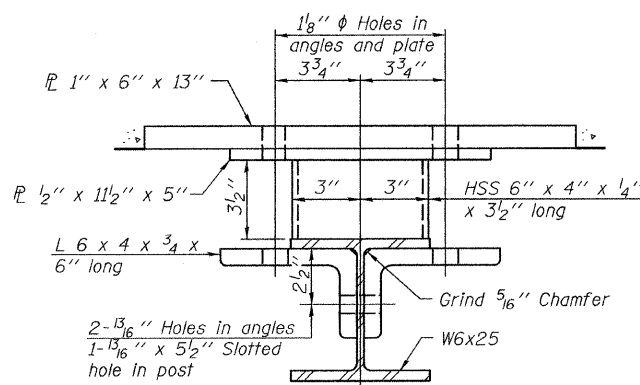


ANCHOR DEVICE

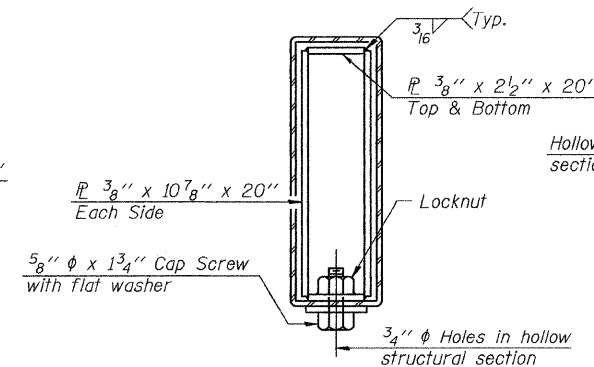
* Threaded areas shall be plugged or blocked off during casting of beam.



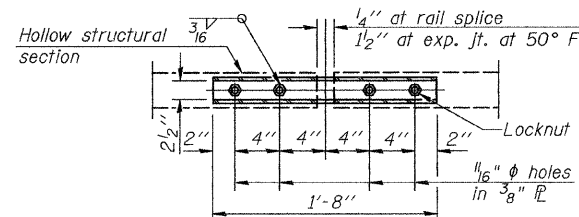
VIEW D-D



SECTION C-C



SECTIONS AT RAIL SPLICE



PLAN-BOTT. SPLICE P
TYPICAL

** 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".

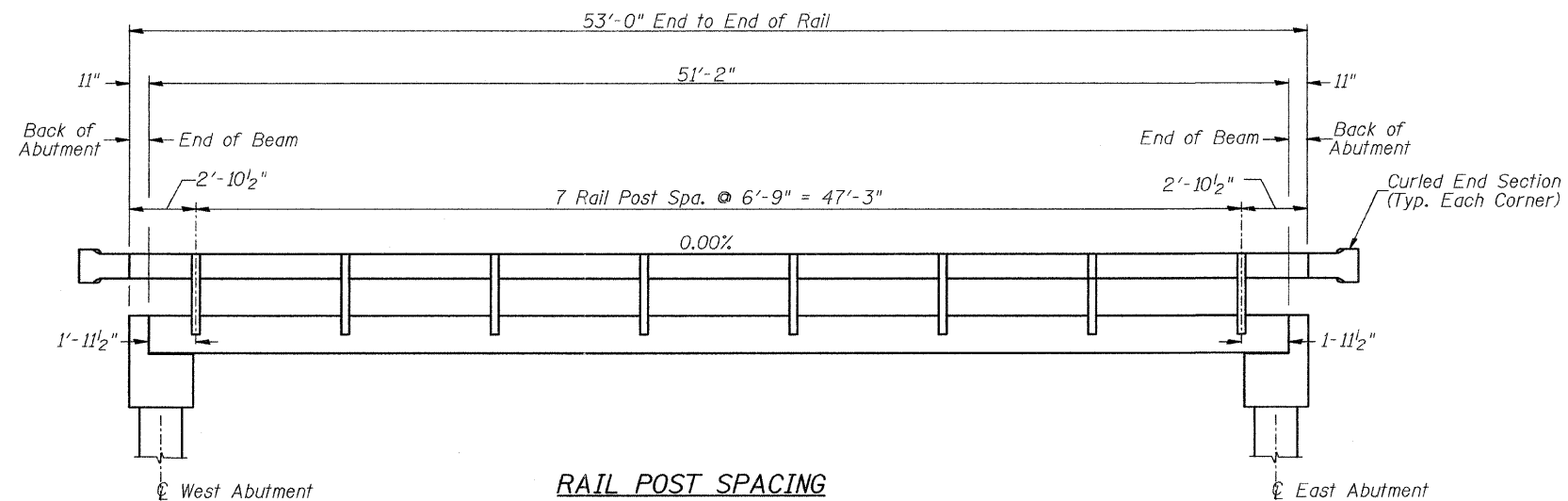
BILL OF MATERIAL

Item	Unit	Quantity
① Steel Railing, Type S-1	FOOT	106

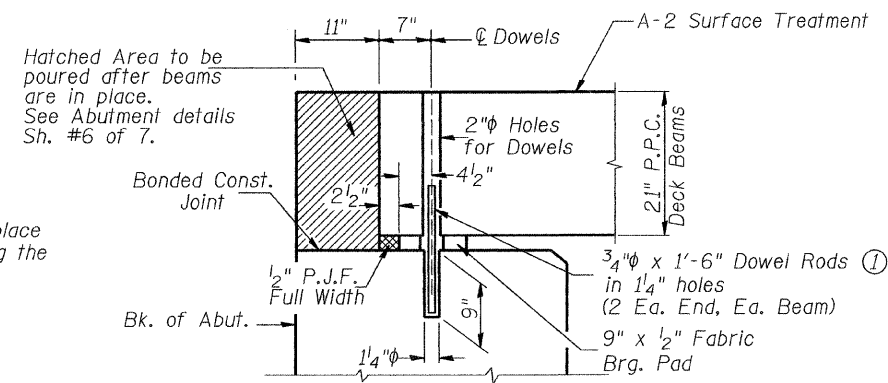
① See Special Provisions

STEEL RAILING TYPE S-1
PIKE COUNTY
SECTION 09-00083-00-BR
C.H. 13 OVER BREWSTER CREEK

SHEET NO. 4	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7 SHEETS	CH 13	09-00083-00-BR	PIKE	26	10
		S.N. 075-3317		CONTRACT NO. 93550	
	FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT BRS-0597(103)	



RAIL POST SPACING

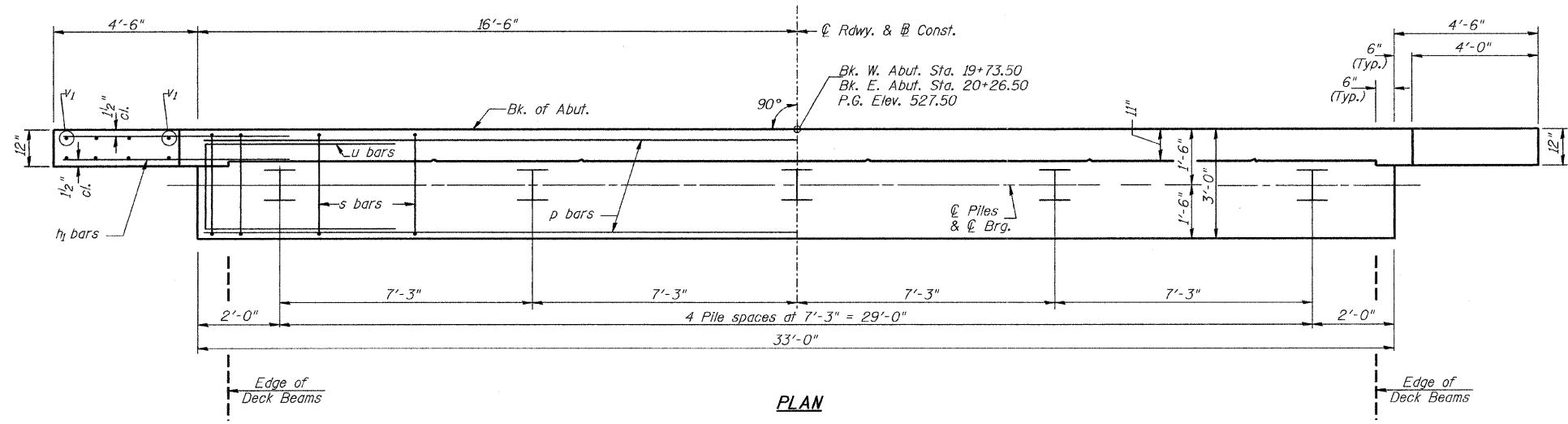


SECTION THRU ABUTMENT

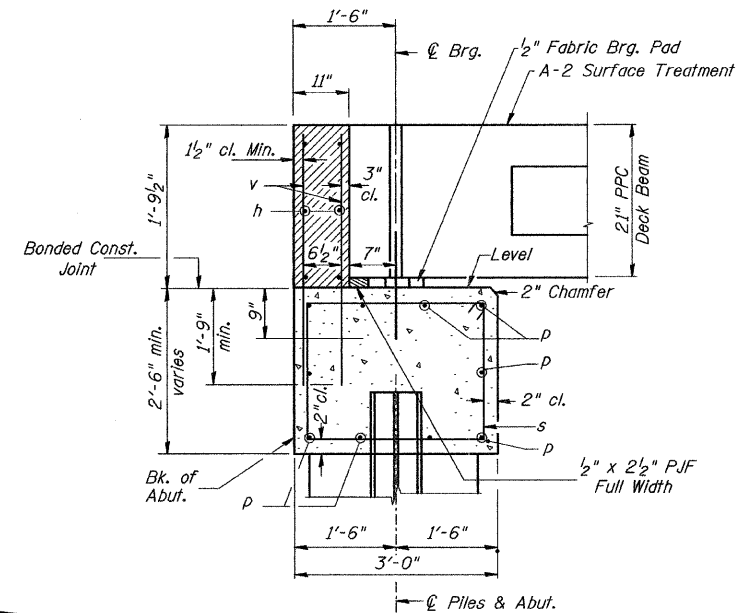
① Dowel Rods to be grouted after beams are in place and allowed to cure (Min. 24 hr.) prior to grouting the shear keys.

**RAIL POST SPACING AND
SUPERSTRUCTURE DETAILS
PIKE COUNTY
SECTION 09-00083-00-BR
C.H. 13 OVER BREWSTER CREEK**

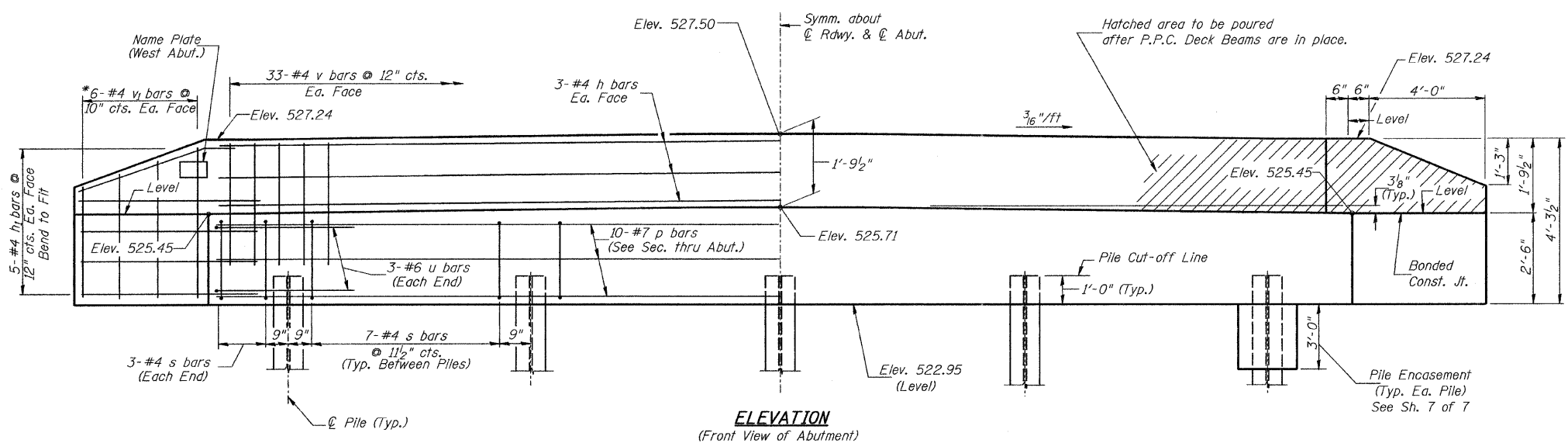
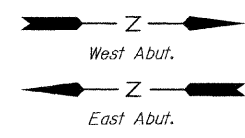
SHEET NO. 5 7 SHEETS	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CH 13	09-00083-00-BR	PIKE	26	11
	S.N. 075-3317			CONTRACT NO. 93550	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT BRS-0597(103)		



PLAN



SECTION THRU ABUTMENT



ELEVATION
(Front View of Abutment)

TWO ABUTMENTS
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h	12	#4	32'-9"	—
h1	40	#4	6'-6"	—
p	20	#7	32'-9"	—
s	68	#4	10'-5"	□
u	12	#6	11'-7"	□
v	132	#4	3'-6"	—
v1	24	#4	6'-9"	—
Concrete Structures		CU YD	25.8	
Reinforcement Bars		POUND	2,870	
Structure Excavation		CU YD	70	
Name Plates		EACH	1	
① Furnishing Steel Piles HP10x42		FOOT	196	
① Driving Piles		FOOT	196	
① Test Pile Steel HP10x42		EACH	2	
Concrete Encasement		CU YD	3.5	

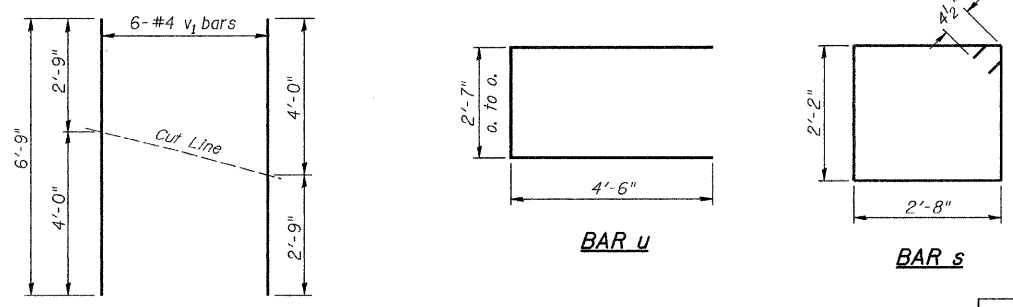
① See Special Provisions

DESIGN STRESSES
 $f'_c = 3,500$ p.s.i.
 $f_y = 60,000$ p.s.i.

PILE DATA
 Type & Size: Steel HP10x42
 Nominal Required Bearing: 335 kips
 Factored Resistance Available: 184 kips
 Est. Length: 27' West Abutment
 22' East Abutment
 No. Req'd.: 10 (Includes 1 Test Pile at Each Abut.)

NOTES

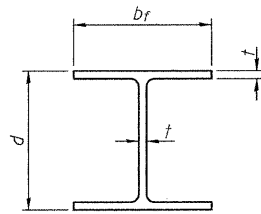
- The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
- Reinforcement bars shall conform to ASTM A706 Grade 60.



BAR CUTTING DIAGRAM
 *Order v1 bars full length. Cut as shown and use remainder of bars in opposite face.

ABUTMENTS
PIKE COUNTY
SECTION 09-00083-00-BR
C.H. 13 OVER BREWSTER CREEK

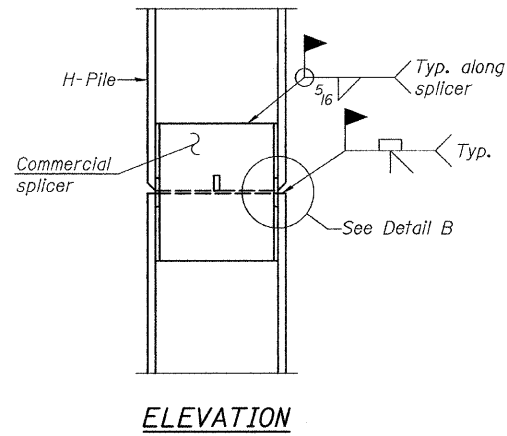
SHEET NO. 6 7 SHEETS	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CH 13	09-00083-00-BR	PIKE	26	12
S.N. 075-3317			CONTRACT NO. 93550		
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT BRS-0597(103)			



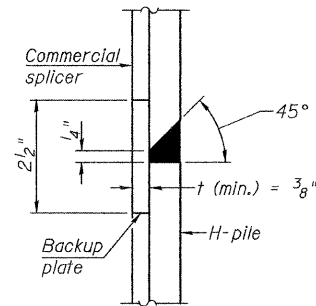
STEEL PILE TABLE

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

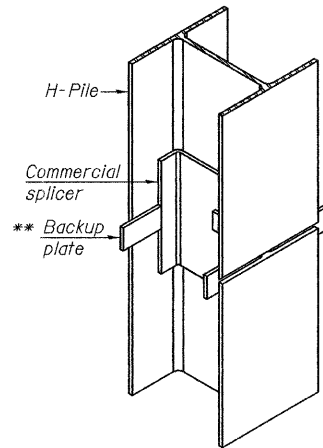
Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.



ELEVATION

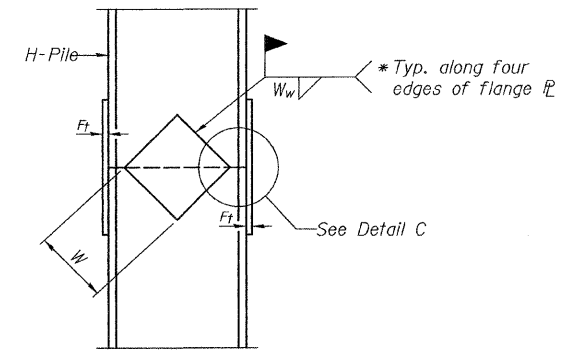


DETAIL "B"

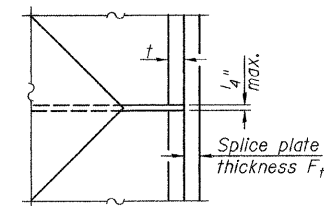


ISOMETRIC VIEW

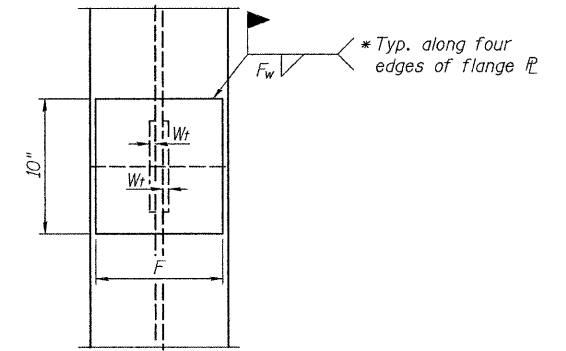
WELDED COMMERCIAL SPLICE



ELEVATION

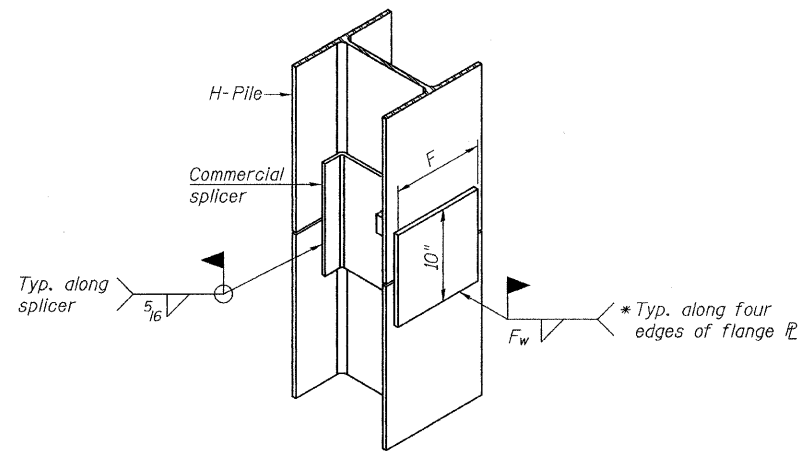


DETAIL C



END VIEW

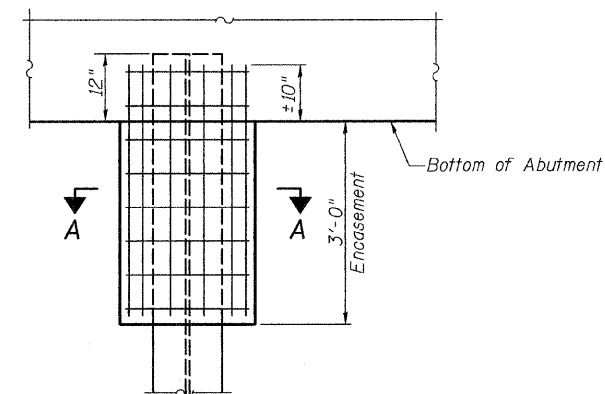
Designation	F	F _t	F _w	W	W _t	W _w
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	11/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	11/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	11/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"



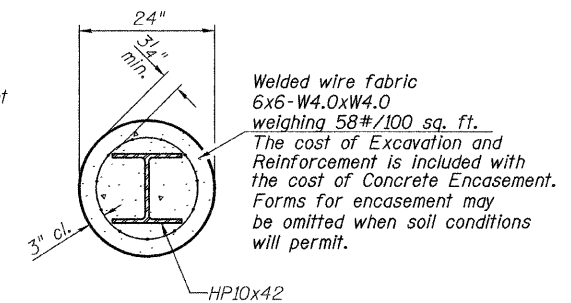
ISOMETRIC VIEW

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.



ABUTMENT ELEVATION



SECTION A-A

PILE ENCASEMENT

PILE DETAILS

PIKE COUNTY

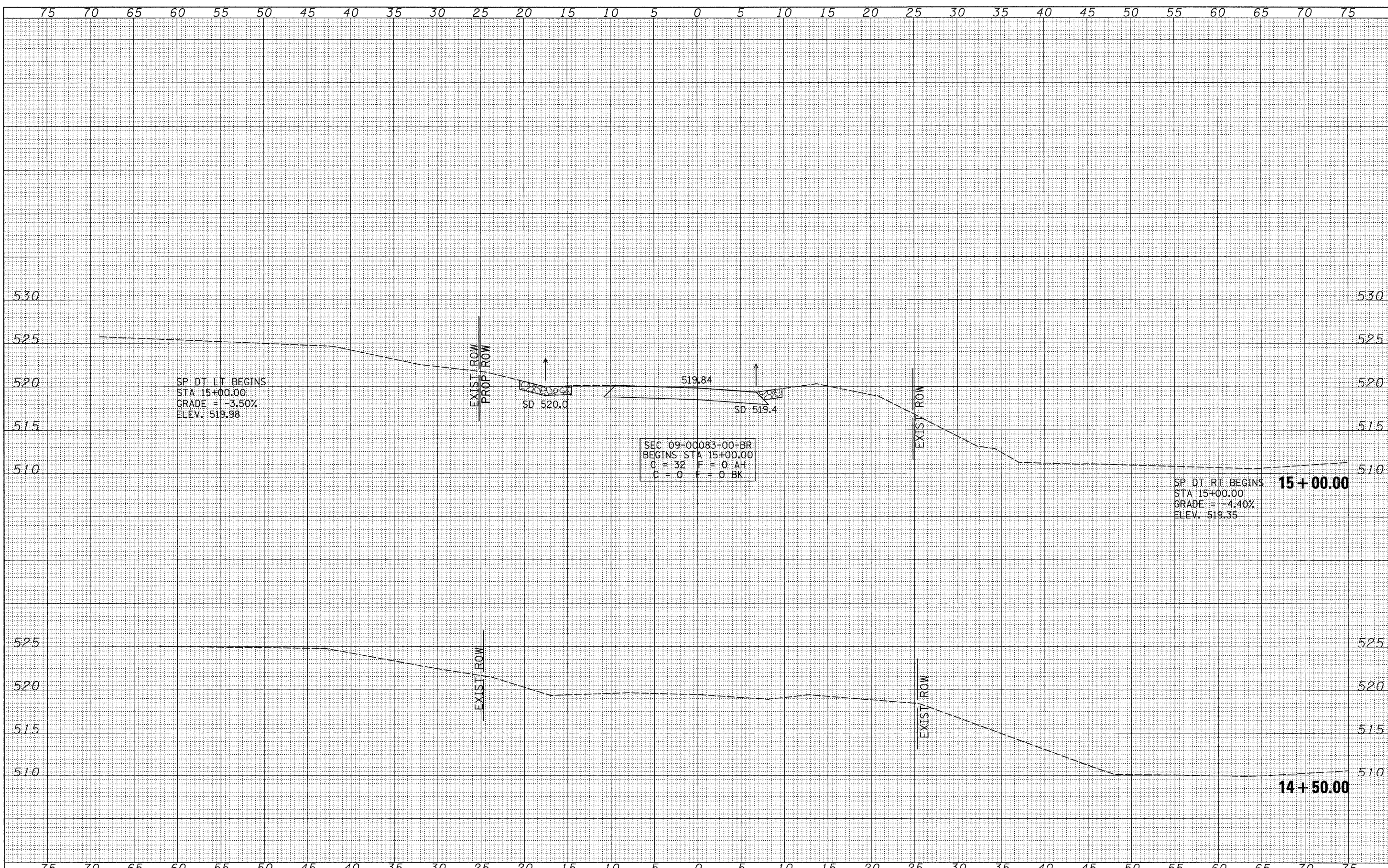
SECTION 09-00083-00-BR

C.H. 13 OVER BREWSTER CREEK

SHEET NO. 7 7 SHEETS	ROUTE NO. CH 13	SECTION 09-00083-00-BR	COUNTY PIKE	TOTAL SHEETS 26	SHEET NO. 13
	S.N. 075-3317		CONTRACT NO. 93550		
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT BRS-0597(103)			

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



SP. DT. LT. BEGINS
 STA 15+00.00
 GRADE = -3.50%
 ELEV. 519.98

SEC 09-00083-00-BR
 BEGINS STA 15+00.00
 C = 32 F = 0 AH
 C = 0 F = 0 BK

SP. DT. RT. BEGINS **15+00.00**
 STA 15+00.00
 GRADE = -4.40%
 ELEV. 519.35

14+50.00

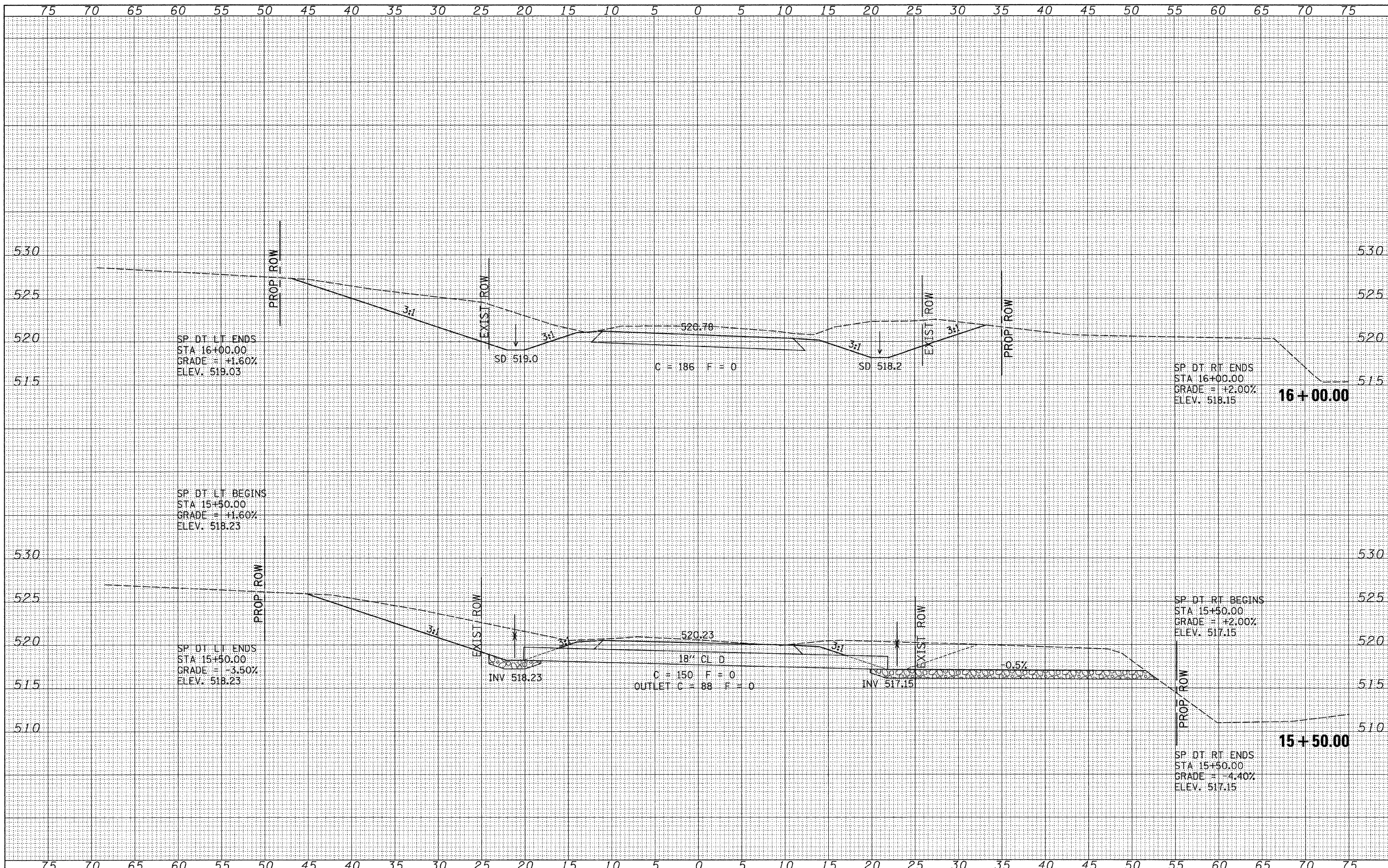
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PLOT DATE = 3/28/2011	DATE -	REVISED -

**PIKE COUNTY
 COUNTY HIGHWAY 13
 OVER BREWSTER CREEK**

CROSS SECTIONS
 SCALE: 1"=5' SHEET NO. 1 OF 13 SHEETS STA. 14+50.00 TO STA. 15+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
597	09-00083-00-BR	PIKE	26	14
CONTRACT NO. 9350				
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BR5-0597(103)	



DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
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NO.	

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**PIKE COUNTY
COUNTY HIGHWAY 13
OVER BREWSTER CREEK**

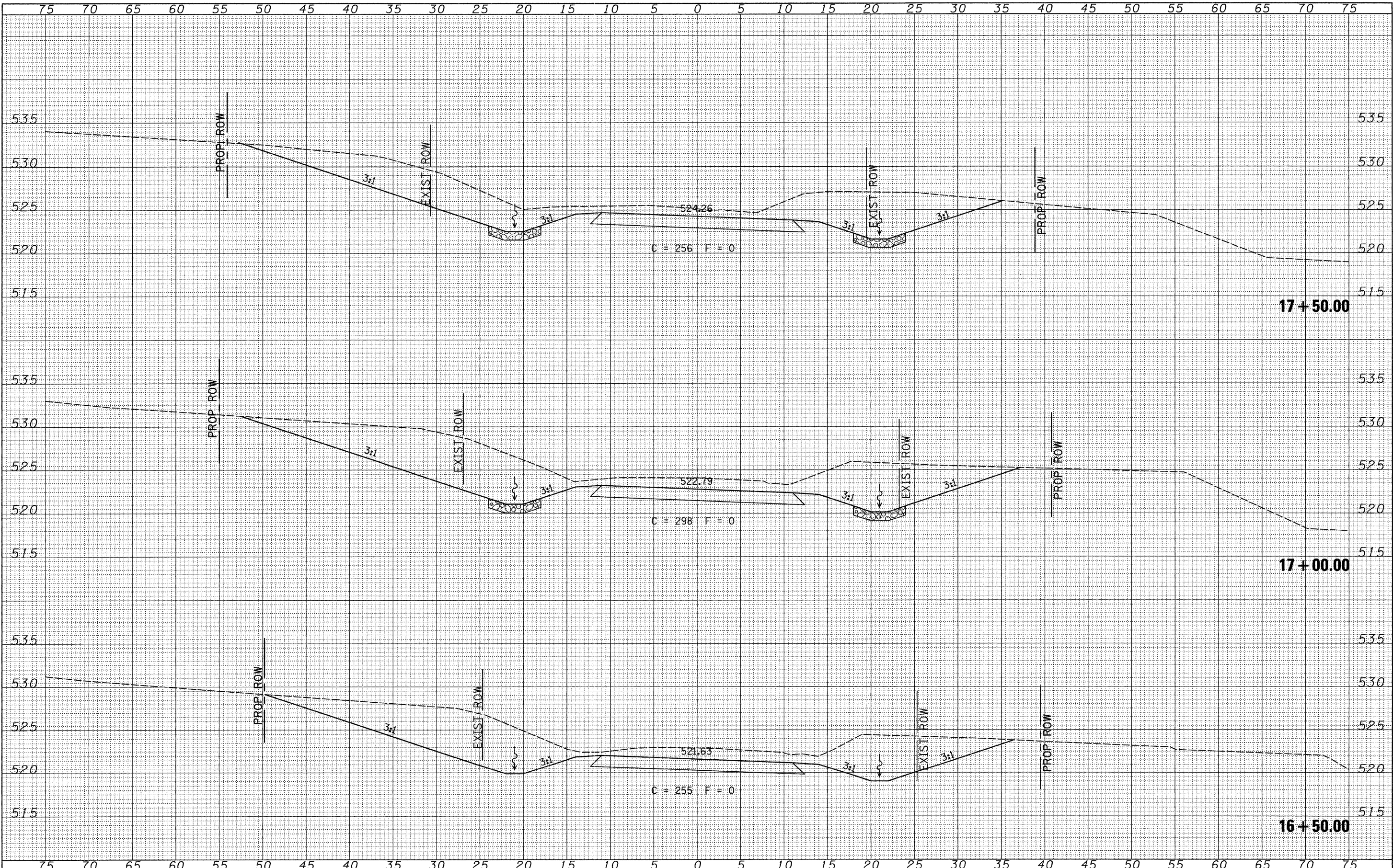
CROSS SECTIONS

SCALE: 1"=5' SHEET NO. 2 OF 13 SHEETS STA. 15+50.00 TO STA. 16+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
597	09-00083-00-BR	PIKE	26	15
CONTRACT NO. 93550				
FED. ROAD DIST. NO. 7 ILLINOIS				FED. AID PROJECT BRS-0597(103)

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

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



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 PLOT DATE = 3/28/2011

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

**PIKE COUNTY
 COUNTY HIGHWAY 13
 OVER BREWSTER CREEK**

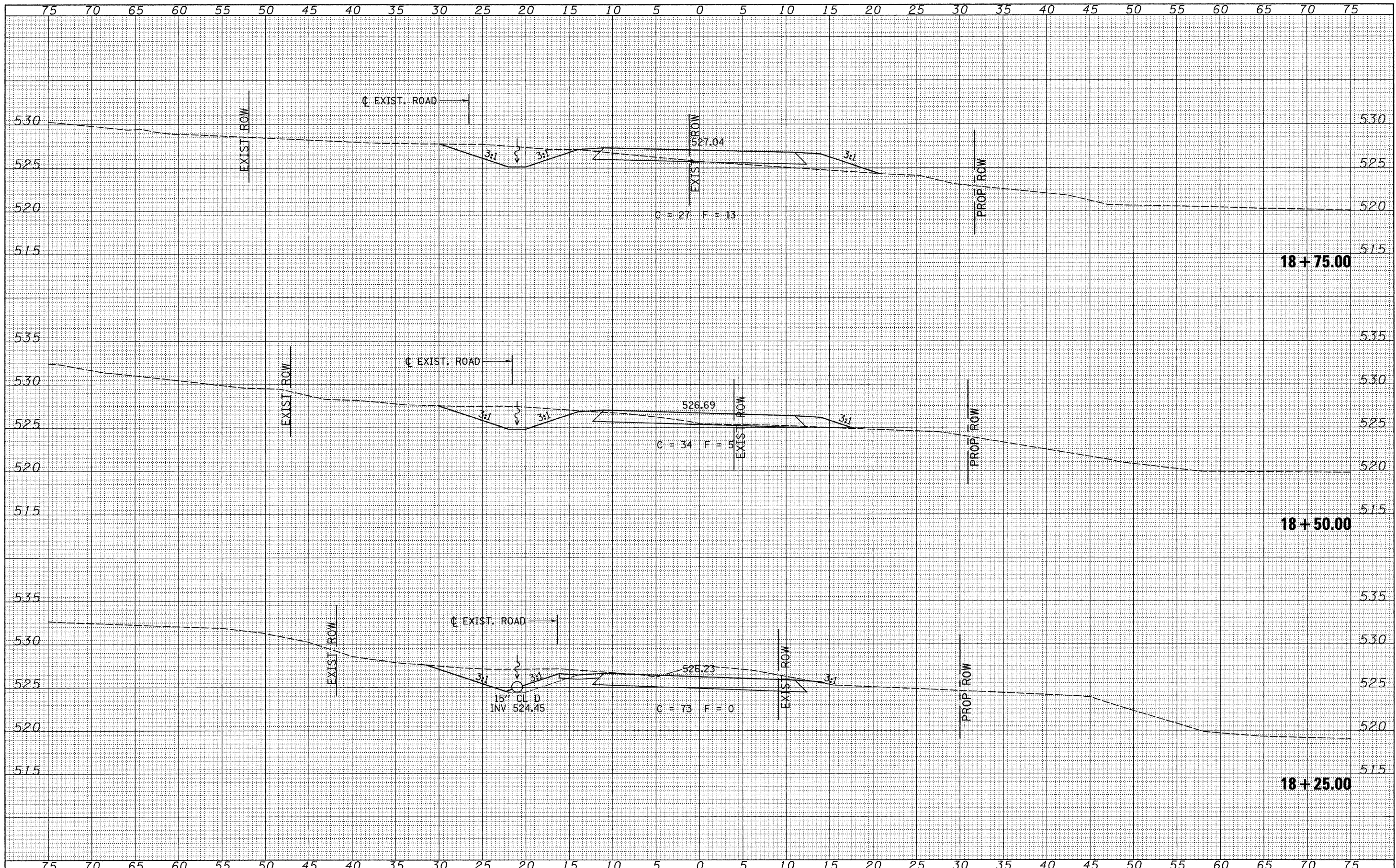
CROSS SECTIONS

SCALE: 1"=5' SHEET NO. 3 OF 13 SHEETS STA. 16+50.00 TO STA. 17+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
597	09-00083-00-BR	PIKE	26	16
CONTRACT NO. 9355U				
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT BR5-05971(03)		

DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
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AREAS CHECKED	



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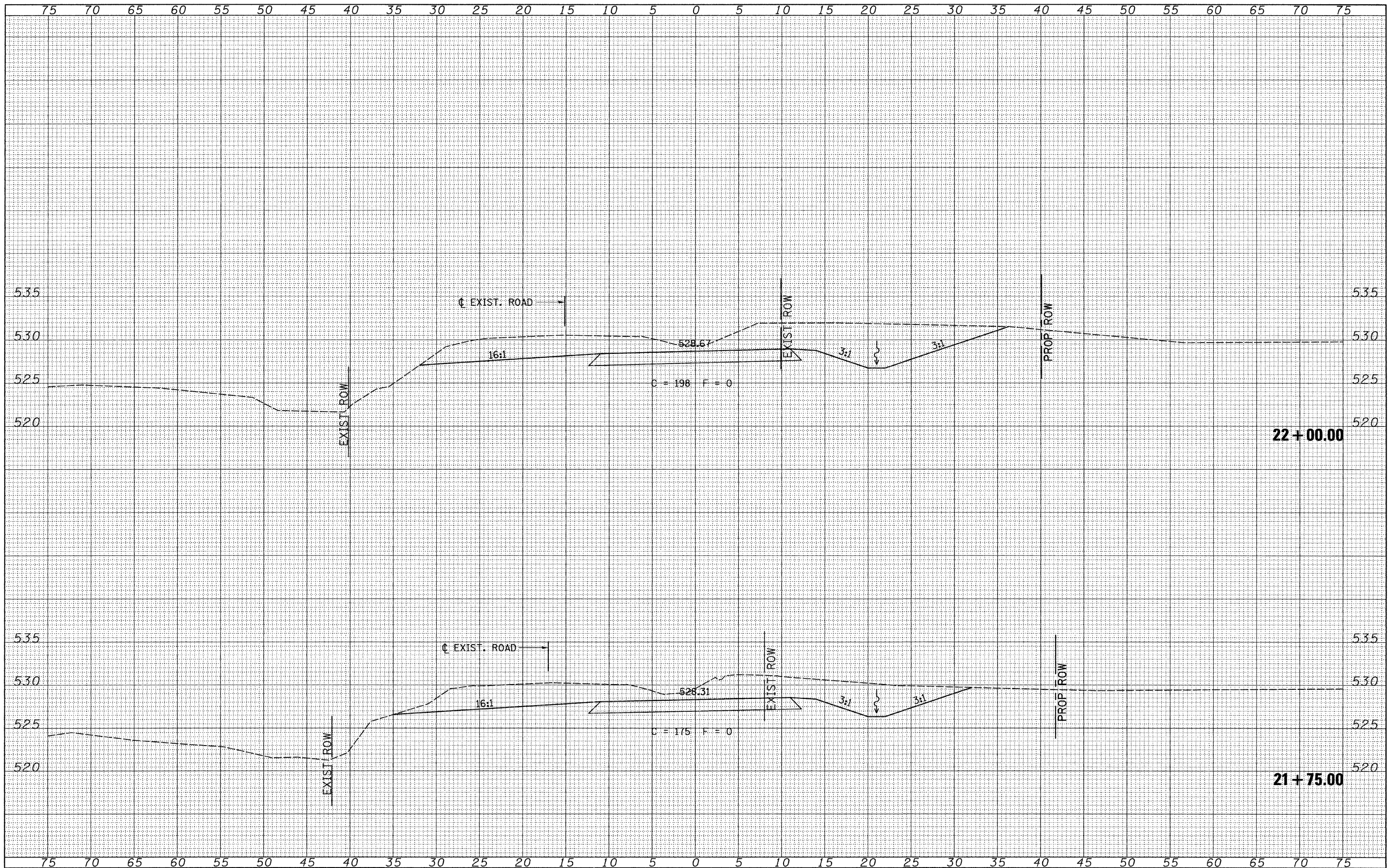
**PIKE COUNTY
COUNTY HIGHWAY 13
OVER BREWSTER CREEK**

CROSS SECTIONS
SCALE: 1"=5'
SHEET NO. 5 OF 13 SHEETS
STA. 18+25.00 TO STA. 18+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
597	09-00083-00-BR	PIKE	26	18
CONTRACT NO. 93550				
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT BR5-0597103		

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
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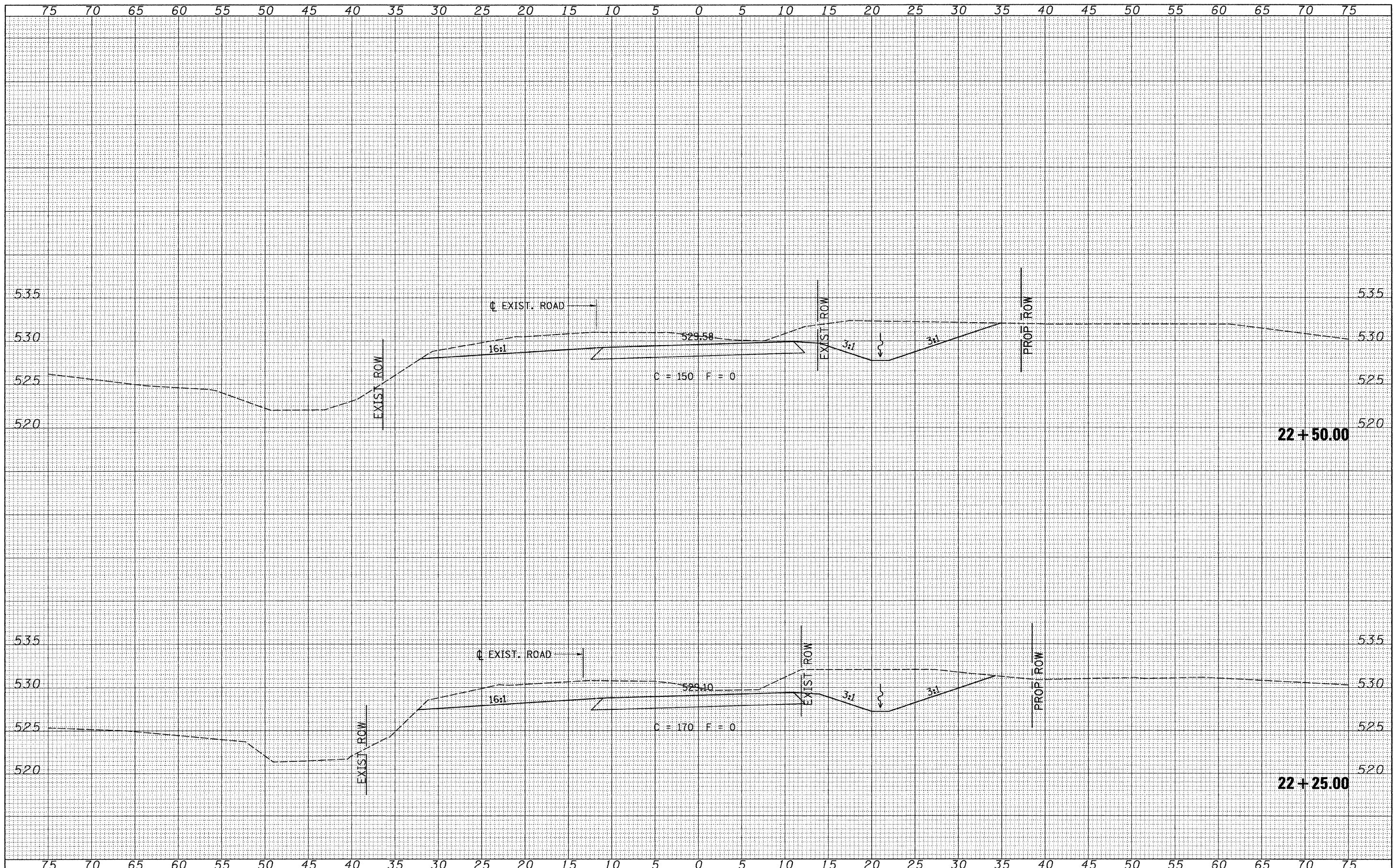
**PIKE COUNTY
COUNTY HIGHWAY 13
OVER BREWSTER CREEK**

CROSS SECTIONS
SCALE: 1"=5'
SHEET NO. 9 OF 13 SHEETS
STA. 21+75.00 TO STA. 22+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
597	09-00083-00-BR	PIKE	26	22
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 93550	
			FED. AID PROJECT BR5-0597(103)	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
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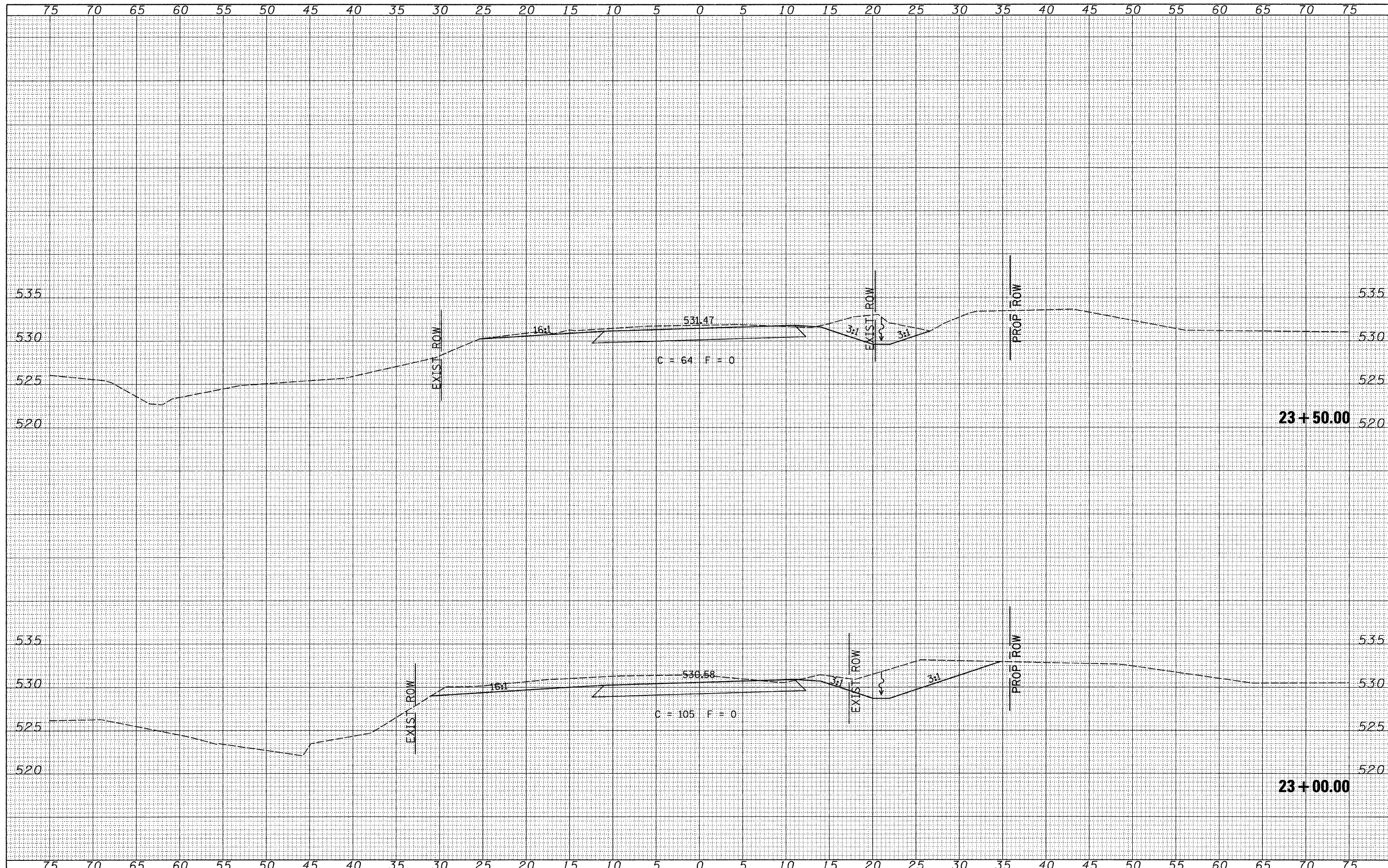
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PLOT SCALE = 5.0000' / IN.	CHECKED -	REVISED -
PLOT DATE = 3/28/2011	DATE -	REVISED -

**PIKE COUNTY
 COUNTY HIGHWAY 13
 OVER BREWSTER CREEK**

CROSS SECTIONS
 SCALE: 1"=5' SHEET NO. 10 OF 13 SHEETS STA. 22+25.00 TO STA. 22+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
597	09-0083-00-BR	PIKE	26	23
CONTRACT NO. 93550				
FED. ROAD DIST. NO. 7 [ILLINOIS]			FED. AID PROJECT BRS-0597103	



FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	TEMPLATE	
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ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
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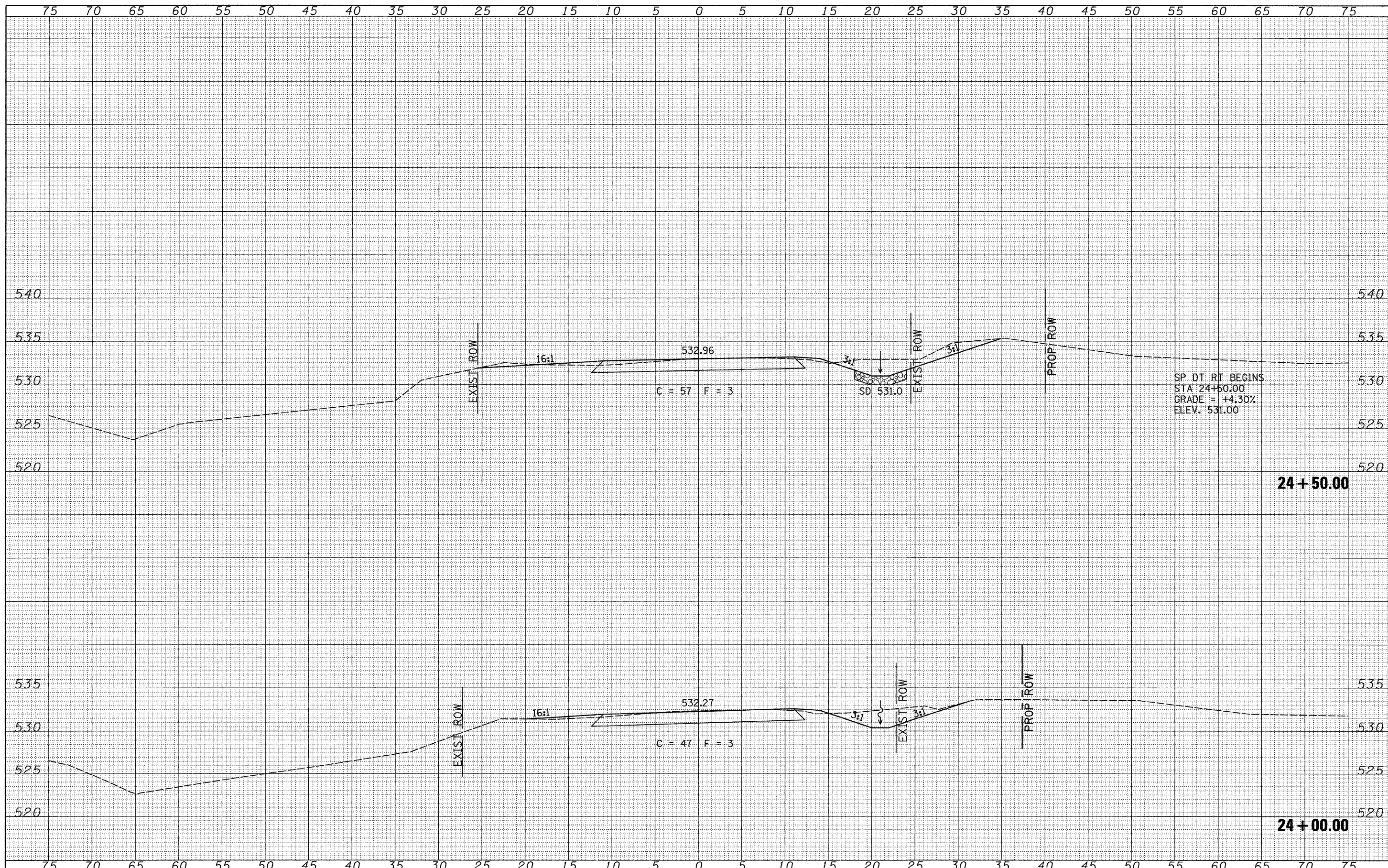
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DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**PIKE COUNTY
 COUNTY HIGHWAY 13
 OVER BREWSTER CREEK**

CROSS SECTIONS
 SCALE: 1"=5' SHEET NO. 11 OF 13 SHEETS STA. 23+00.00 TO STA. 23+50.00

F.A.S. RTE. 597	SECTION 09-00083-00-BR	COUNTY PIKE	TOTAL SHEETS 26	SHEET NO. 24
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 93550	
FED. AID PROJECT BRS-0597(103)				



BY	DATE
SURVEYED	
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BY	DATE
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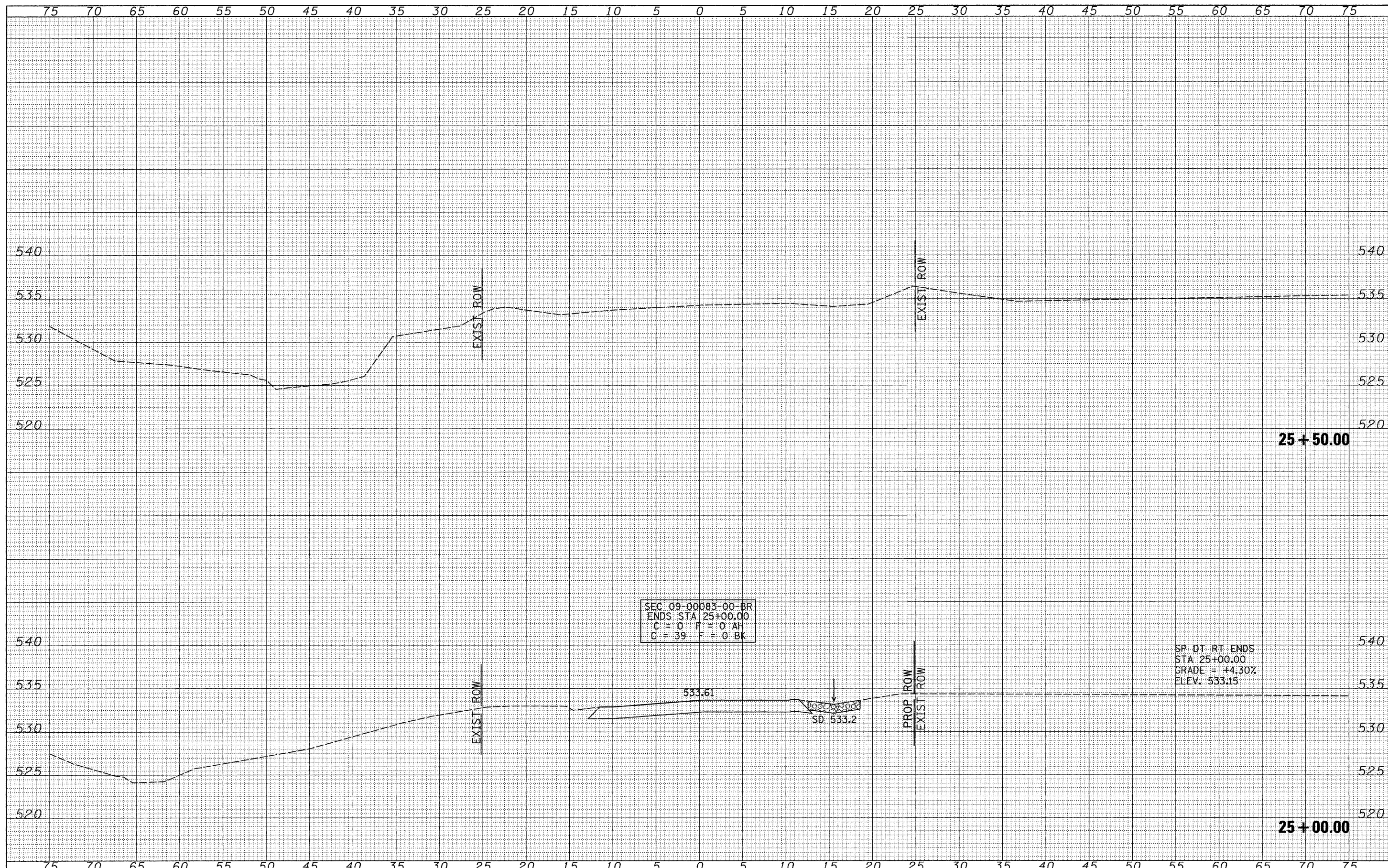
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PLOT SCALE = 5,0000' / IN.	CHECKED -	REVISED -
PLOT DATE = 3/29/2011	DATE -	REVISED -

**PIKE COUNTY
 COUNTY HIGHWAY 13
 OVER BREWSTER CREEK**

CROSS SECTIONS
 SCALE: 1"=5'
 SHEET NO. 12 OF 13 SHEETS
 STA. 24+00.00 TO STA. 24+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
597	09-00083-00-BR	PIKE	26	25
CONTRACT NO. 93550				
FED. ROAD DIST. NO. 7 ILLINOIS				FED. AID PROJECT BRS-0597(103)



FINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	TEMPLATE	
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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
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PLOT DATE = 3/28/2011	DATE -	REVISED -

**PIKE COUNTY
 COUNTY HIGHWAY 13
 OVER BREWSTER CREEK**

CROSS SECTIONS
 SCALE: 1"=5' SHEET NO. 13 OF 13 SHEETS STA. 25+00.00 TO STA. 25+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
597	09-00083-00-BR	PIKE	26	26
CONTRACT NO. 93550				
FED. ROAD DIST. NO. 7 (ILLINOIS) FED. AID PROJECT BR5-05971(03)				