

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 359	09-11113-00-BR	PIKE	28	1
FED. ROAD DIST. NO. 7		ILLINOIS	CONTRACT NO. 93540	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED
HIGHWAY BRIDGE PROGRAM
PIKE COUNTY**

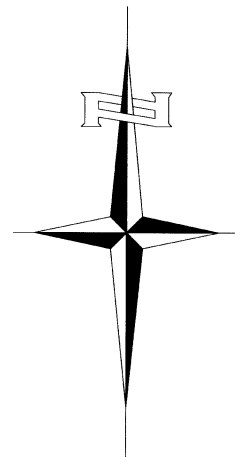
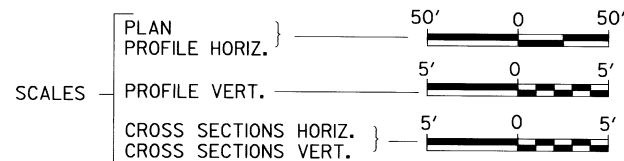
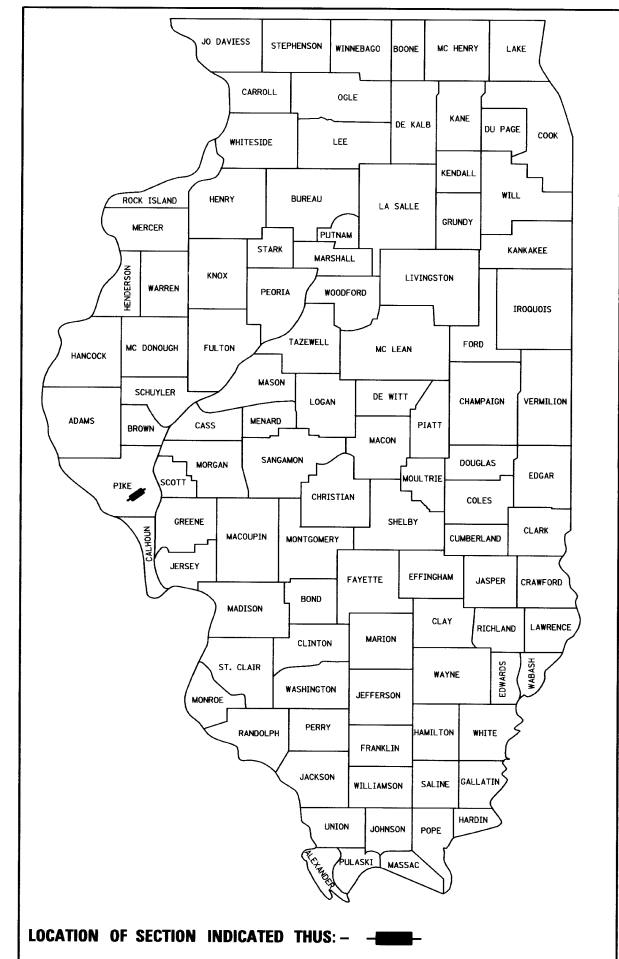
**HARDIN ROAD DISTRICT SECTION 09-11113-00-BR
TOWNSHIP ROAD 359 OVER HONEY CREEK
PROJECT NO. BROS-0149(041)
JOB NUMBER C-96-268-10**

INDEX OF SHEETS

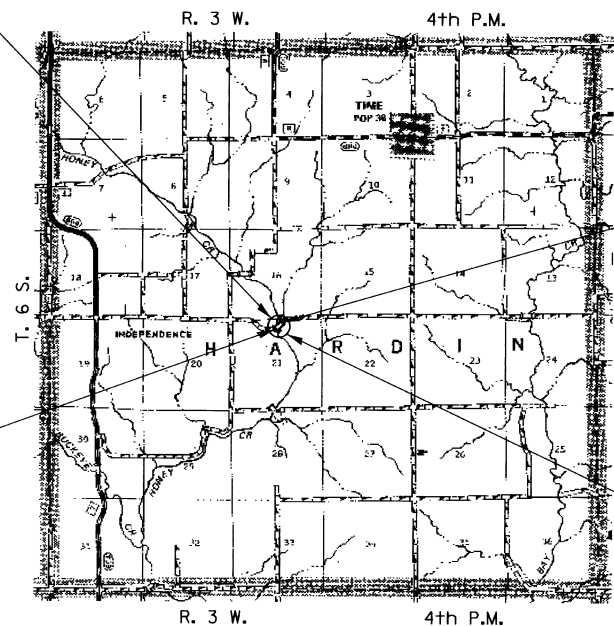
SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	GENERAL NOTES, DETAILS, TYPICAL SECTIONS, TIE POINTS
3.	SUMMARY OF QUANTITIES, SCHEDULES OF QUANTITIES
4.	TRAFFIC CONTROL PLAN
5.	STORM WATER POLLUTION PREVENTION PLAN
6.	PLAN AND PROFILE
7.-16.	STRUCTURE PLANS
17.-28.	CROSS SECTIONS

REQUIRED HIGHWAY STANDARDS

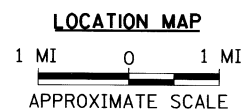
- 000001-05
- 280001-05
- 515001-03
- 630301-05
- 635006-03
- 701901-01
- BLR 21-8
- BLR 26-2
- BLR 27-1



EXISTING STRUCTURE SN 075-3155
SINGLE SPAN RIVETED STEEL PRATT THRU TRUSS WITH A TIMBER DECK ON A CONCRETE CLOSED ABUTMENT ON TIMBER PILING ON THE WEST END AND A CONCRETE PILE BENT ON TIMBER PILING ON THE EAST END.
±104'-0" BK TO BK, AND ±21'-8" O TO O DECK, NO SKEW (TO BE REMOVED)



PROPOSED STRUCTURE SN 075-3318
THREE SPAN 17" & 27" PPC DK BM STRUCTURE ON CONCRETE SPILL THRU PILE BENT ABUTMENTS AND CONCRETE ENCASED PILE BENT PIERS, 139'-0" BK TO BK, AND 28'-0" O TO O DECK, 35° LT. AH. SKEW



NET LENGTH OF PROJECT = 1,250.00 FEET = 0.237 MILES
DESIGN CLASSIFICATION: LOCAL ROAD (NON-URBAN)
DESIGN ADT: 75 (2010)
DESIGN SPEED: 30 MPH

UTILITY COMPANIES

VERIZON
JACKSONVILLE, ILLINOIS
ILLINOIS RURAL ELECTRIC
WINCHESTER, ILLINOIS

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

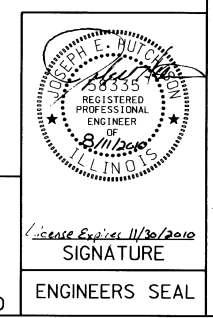
HARDIN ROAD DISTRICT

CONTRACT NO. 93540

SECTION 09-11113-00-BR ENDS STATION 53+00.00

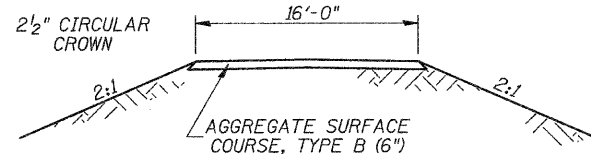
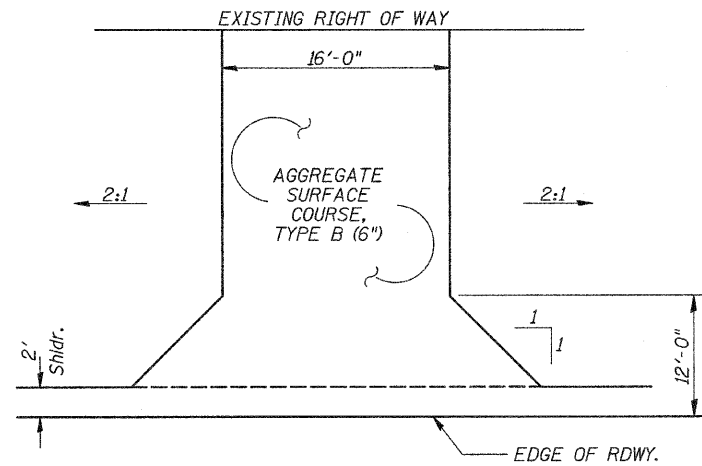
SECTION 09-11113-00-BR BEGINS STATION 40+50.00

APPROVED	<u>8-12</u>	2010
	<i>Archie Ruble</i>	
	HARDIN ROAD DISTRICT HIGHWAY COMMISSIONER	
APPROVED	<u>8-12</u>	2010
	<i>Chi R. John</i>	
	PIKE COUNTY ENGINEER	
PASSED	<u>August 20,</u>	2010
	<i>Terrence H. Fountain</i>	
	DISTRICT SIX ENGINEER OF LOCAL ROADS & STREETS	
PASSED	<u>August 19</u>	2010
	<i>Ron Cochran</i>	
	DISTRICT SIX ENGINEER OF CONSTRUCTION	
Released For Bid Based on Limited Review	<u>August 20,</u>	2010
	<i>Roger L. Driskell</i>	
	DEPUTY DIRECTOR OF HIGHWAYS, REGION FOUR ENGINEER	
	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	

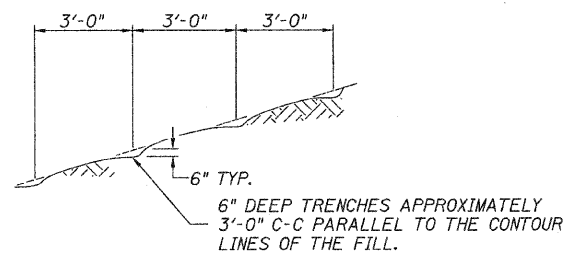


Hutchison Engineering, Inc.
JACKSONVILLE ILLINOIS
2010 JOB#2800

2800E001

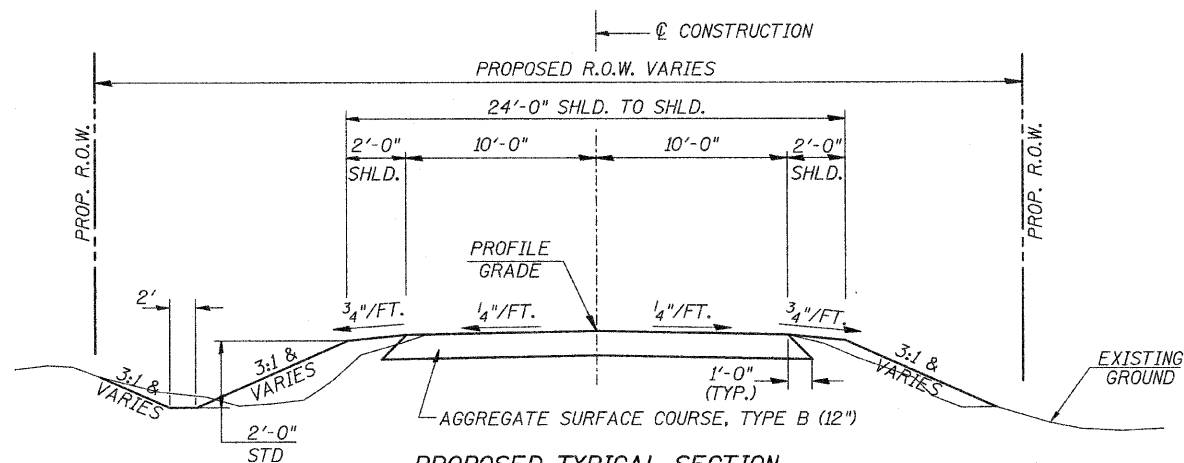


PROPOSED FIELD ENTRANCE
STA 50+83 LT



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

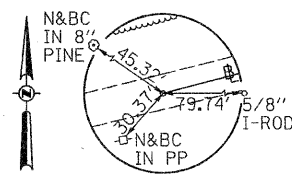


PROPOSED TYPICAL SECTION

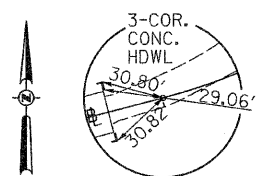
STA. 40+50.00 TO STA. 43+20.50
STA. 44+59.50 TO STA. 53+00.00

BRIDGE OMISSION
STA. 43+20.50 TO STA. 44+59.50

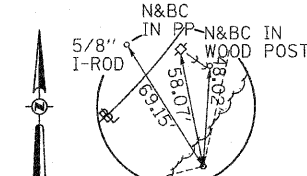
CONSTRUCT GUARDRAIL
SHOULDER WIDENING IN
ACCORDANCE WITH STD 630301



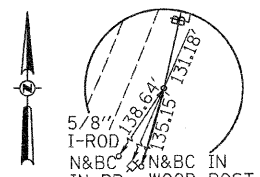
POT STA 40+00.00
RR-SPIKE
(BURIED 4")



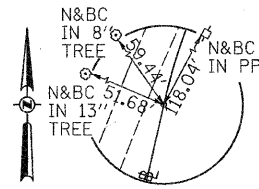
PC STA 44+77.90
RR-SPIKE
(BURIED 4")



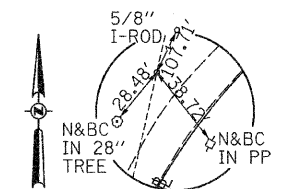
PI STA 46+60.05
5/8" I-ROD
(BURIED 18")



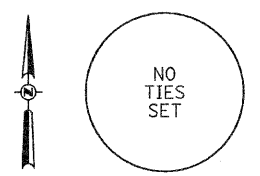
PT STA 48+05.31
5/8" I-ROD
(FLUSH)



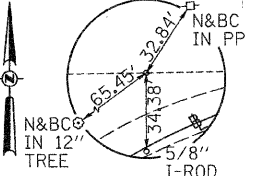
PC STA 48+59.83
5/8" I-ROD
(FLUSH)



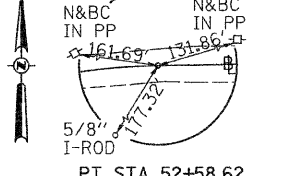
POT STA 49+92.63
5/8" I-ROD
(FLUSH)



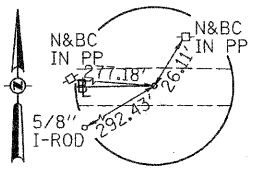
PI STA 50+94.90



POST STA 51+49.53
5/8" I-ROD
(FLUSH)



PT STA 52+58.62
RR-SPIKE
(BURIED 4")



POT STA 53+75.00
RR-SPIKE
(BURIED 4")

GENERAL NOTES

PLAN QUANTITIES FOR TREE REMOVAL HAVE BEEN BASED ON ALL TREES WITHIN THE LIMITS OF CONSTRUCTION. 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.

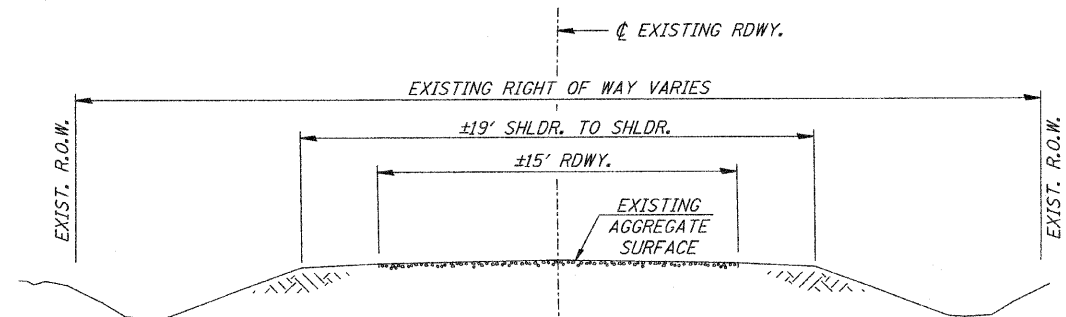
ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION

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.



EXISTING TYPICAL SECTION

FILE NAME =	USER NAME = othomes	DESIGNED -	REVISED -
V:\Bridge\2800 - Pike\2800\1001.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**PIKE COUNTY
TOWNSHIP ROAD 359
OVER HONEY CREEK**

GENERAL NOTES, TYPICAL SECTIONS, TIE POINTS, DETAILS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. 40+50.00 TO STA. 53+00.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 359	09-11113-00-BR	PIKE	28	2
CONTRACT NO. 93540			FED. ROAD DIST. NO. 7 ILLINOIS	
FED. AID PROJECT BROS-014904D				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	116
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	165
20200100	EARTH EXCAVATION	CU YD	3,865
20300100	CHANNEL EXCAVATION	CU YD	550
① 20400800	FURNISHED EXCAVATION	CU YD	185
① X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.6
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	800
① 28000305	TEMPORARY DITCH CHECKS	FOOT	180
28000400	PERIMETER EROSION BARRIER	FOOT	1,105
① X2910228	STONE RIPRAP, CLASS B4 (SPECIAL)	TON	510
28200200	FILTER FABRIC	SQ YD	155
28300400	AGGREGATE DITCH	TON	85
① 40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	1,678
① 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	180
50300225	CONCRETE STRUCTURES	CU YD	137.7
50300280	CONCRETE ENCASEMENT	CU YD	16.9
① 50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	1,918
① 50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1,904
① 50800105	REINFORCEMENT BARS	POUND	10,770
* 50900205	STEEL RAILING, TYPE S1	FOOT	278
① 51201400	FURNISHING STEEL PILES HP10X42	FOOT	196
① 51201600	FURNISHING STEEL PILES HP12X53	FOOT	406
① 51202305	DRIVING PILES	FOOT	196
① 51203400	TEST PILE STEEL HP10X42	EACH	2
51204650	PILE SHOES	EACH	10
51500100	NAME PLATES	EACH	1
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	1
* 63100147	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1
① 67100100	MOBILIZATION	L SUM	1
① 70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
* ① 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
① X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION, LOCATION 1	EACH	1
① X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION, LOCATION 2	EACH	1
① XX004450	BITUMINOUS SURFACE TREATMENT, A-2 SPECIAL	SQ YD	433
① Z0065000	SETTING PILES IN ROCK	EACH	14

① SEE SPECIAL PROVISIONS

CONSTRUCTION CODE TYPE: X080(0011)

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

SIDE	STATION TO STATION	EACH
LEFT	44+82.55 - 45+32.55	1
TOTAL		1

TRAFFIC BARRIER TERMINAL, TYPE 5A

SIDE	STATION TO STATION	EACH
LEFT	44+69.30 - 44+82.55	1
TOTAL		1

AGGREGATE SURFACE COURSE, TYPE B

STATION TO STATION	THICKNESS	WIDTH	LENGTH	TON
40+50.00 - 41+00.00	1.00'	19.70' AVG.	50.00'	69
41+00.00 - 43+20.50	1.00'	21.00'	220.50'	324
ABUTMENT BACKFILL - SEE SPECIAL PROVISIONS				30
44+59.50 - 52+50.00	1.00'	21.00'	790.50'	1,162
ENTR. - 50+83 LT	0.50'	16' & VAR.	30.90'	23
52+50.00 - 53+00.00	1.00'	19.91' AVG.	50.00'	70
TOTAL				1,678

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 40+50.00 - 43+20.50	1,261			8	938
RDWY 44+59.50 - 53+00.00	2,604			3,077	(1,124)
CHANNEL		550			
STRUCTURE			180		
TOTAL	3,865	550	180	3,085	(186)
USE	3,865	550	180	-	(185)

(*) 25% SHRINKAGE

TEMPORARY DITCH CHECKS

STATION	SIDE	FOOT
41+24	LEFT	12
41+54	LEFT	12
41+84	LEFT	12
42+14	LEFT	12
42+44	LEFT	12
42+74	LEFT	12
43+04	LEFT	12
43+34	LEFT	12
44+36	RIGHT	12
46+70	RIGHT	12
49+00	RIGHT	12
50+20	RIGHT	12
51+40	RIGHT	12
51+75	LEFT	12
52+37	LEFT	12
TOTAL		180

TREE REMOVAL

STATION	OFFSET	SIDE	6 TO 15 UNITS	OVER 15 UNITS
40+62	34'	LEFT	12	
40+64	35'	LEFT	7	
40+72	34'	LEFT		21
40+84	37'	LEFT		18
41+07	37'	LEFT		20
41+17	36'	LEFT	8	
41+18	36'	LEFT	8	
41+29	34'	LEFT	8	
41+40	37'	LEFT	6	
41+41	36'	LEFT	6	
41+46	36'	LEFT	8	
41+48	35'	LEFT	6	
41+54	35'	LEFT	6	
41+59	35'	LEFT	8	
42+63	47'	LEFT		24
42+69	41'	LEFT	10	
42+80	39'	LEFT		22
42+82	44'	LEFT	8	
42+93	43'	LEFT		22
43+01	39'	LEFT		18
43+03	42'	LEFT	15	
43+11	39'	RIGHT		20
TOTAL			116	165

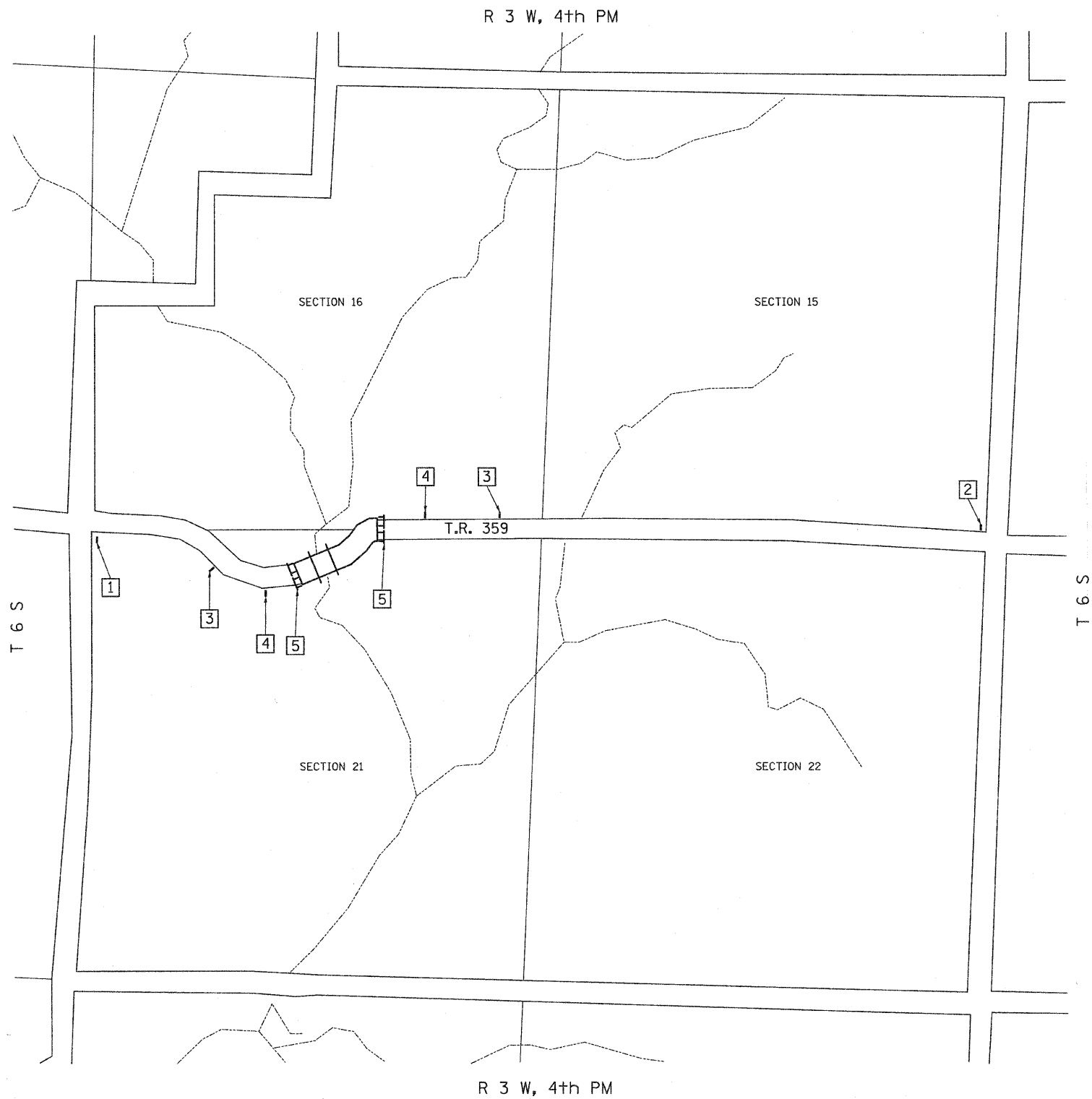
PERIMETER EROSION BARRIER

STATION TO STATION	SIDE	FOOT
40+50 - 41+00	LEFT	50
40+50 - 43+08	RIGHT	280
44+71 - 51+75	LEFT	725
52+50 - 53+00	RIGHT	50
TOTAL		1,105

AGGREGATE DITCH**

STATION TO STATION	SIDE	WIDTH	TON	FILTER FABRIC (SQ YD)
41+00 - 43+34	LEFT	6'	85	155
TOTAL			85	155

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



- 1

ROAD CLOSED
1/2 MILE AHEAD
LOCAL TRAFFIC ONLY

R11-3

ROAD CLOSED
1 1/2 MILES AHEAD
LOCAL TRAFFIC ONLY
- 2

ROAD CLOSED
1 1/2 MILES AHEAD
LOCAL TRAFFIC ONLY

R11-3

ROAD CLOSED
1 1/2 MILES AHEAD
LOCAL TRAFFIC ONLY
- 3

ROAD CLOSED
AHEAD

W20-3

ROAD CLOSED
AHEAD
- 4

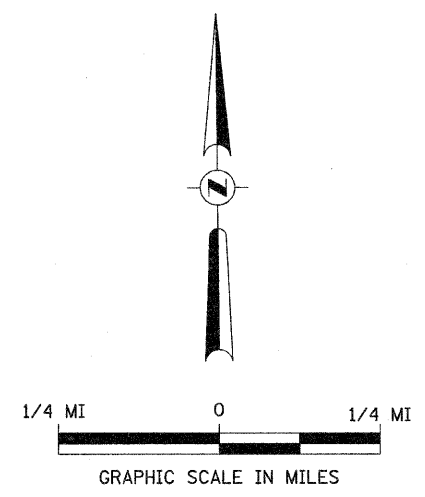
ROAD
CLOSED
500 FT

W20-3

ROAD CLOSED
500 FT
- 5

TYPE III BARRICADES





SEE STANDARD BLR 21
AND SPECIAL PROVISIONS

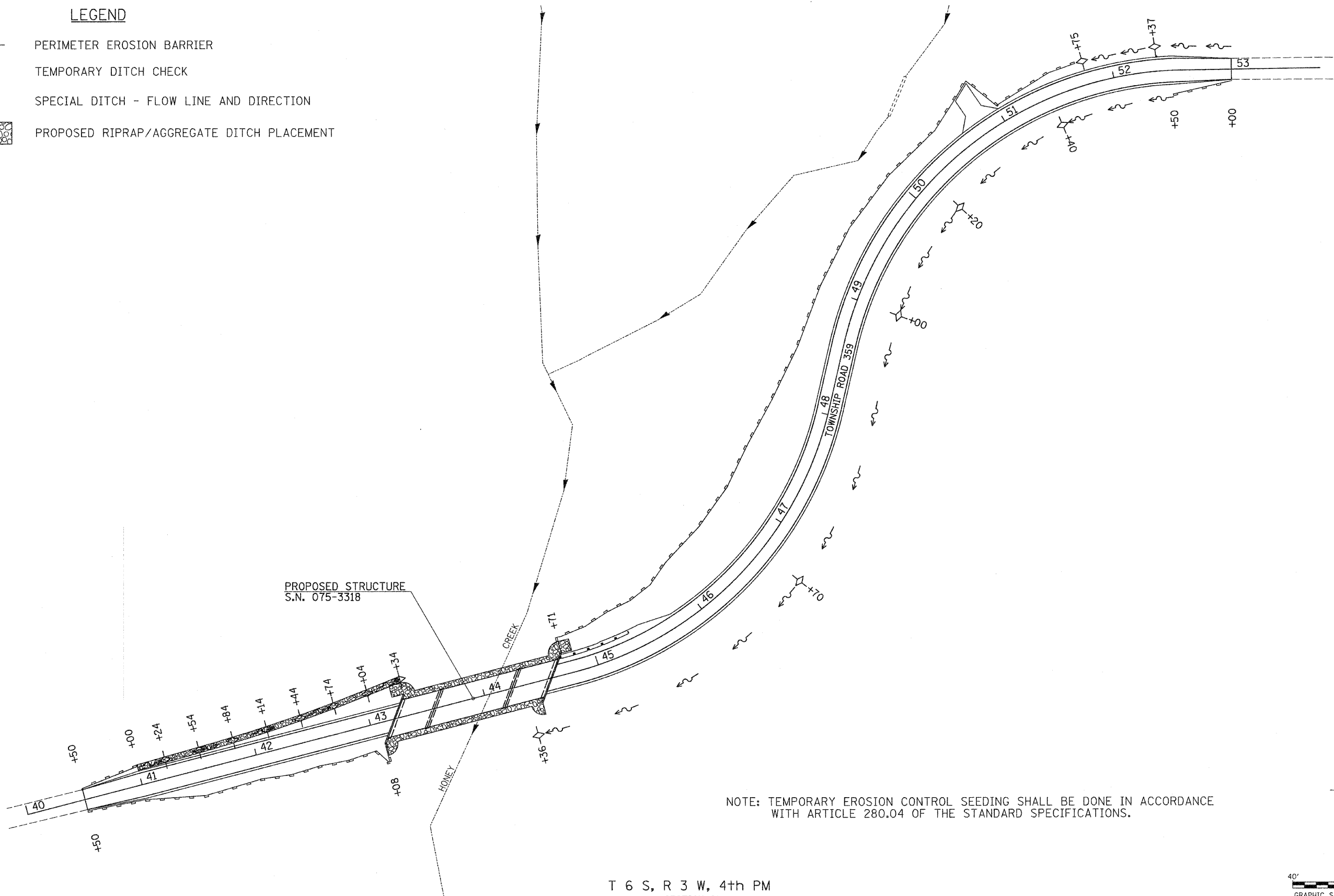


FILE NAME = V:\B-ridge\2800 - Pike\2800h\01.dgn	USER NAME = cthomas	DESIGNED -	REVISED -	PIKE COUNTY TOWNSHIP ROAD 359 OVER HONEY CREEK	TRAFFIC CONTROL PLAN	RTE. TR 359	SECTION 09-11113-00-BR	COUNTY PIKE	TOTAL SHEETS 28	SHEET NO. 4
PLOT SCALE = 1,000' / IN.		CHECKED -	REVISED -	SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. 40+50.00 TO STA. 53+00.00		FED. ROAD DIST. NO. 7 ILLINOIS		CONTRACT NO. 3540		
PLOT DATE = 8/9/2010		DATE = 03/02/09	REVISED -			FED. AID PROJECT BR05-014904D				

T 6 S, R 3 W, 4th PM
SECTION 21

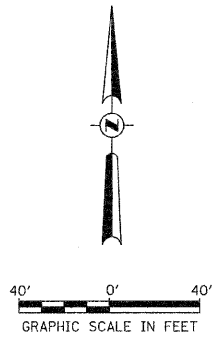
LEGEND

-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  SPECIAL DITCH - FLOW LINE AND DIRECTION
-  PROPOSED RIPRAP/AGGREGATE DITCH PLACEMENT



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

T 6 S, R 3 W, 4th PM
SECTION 21



FILE NAME = V:\Bridge\2800 - Pike\2800S01.dgn	USER NAME = a.thomas	DESIGNED -	REVISED -	PIKE COUNTY TOWNSHIP ROAD 359 OVER HONEY CREEK	STORM WATER POLLUTION PREVENTION PLAN	RTE. TR 359	SECTION 09-11113-00-BR	COUNTY PIKE	TOTAL SHEETS 28	SHEET NO. 5
PLOT SCALE = 48.0000' / IN. PLOT DATE = 8/9/2010				SCALE: 1" = 40'		SHEET NO. 1 OF 1 SHEETS		STA. 40+50.00 TO STA. 53+00.00		CONTRACT NO. 93540
DRAWN - CHECKED - DATE -				REVISED - REVISED - REVISED -		FED. ROAD DIST. NO. 7 (ILLINOIS)		FED. AID PROJECT BR05-0149(04D)		

B.M.: RR Spike in Power Pole
Sta. 39+75, 17' Rt.
Elev. 555.83

RR Spike in Power Pole
Sta. 49+81, 10' Rt.
Elev. 543.41

Existing Structure:

Single span riveted steel Pratt thru truss with a timber deck on a concrete closed abutment on the west end and a concrete pile bent abutment on the east end. The structure is ±104' back to back of abutments, ±21'-8" out to out of deck and is not skewed. Str. No. 075-3155

Salvage: None

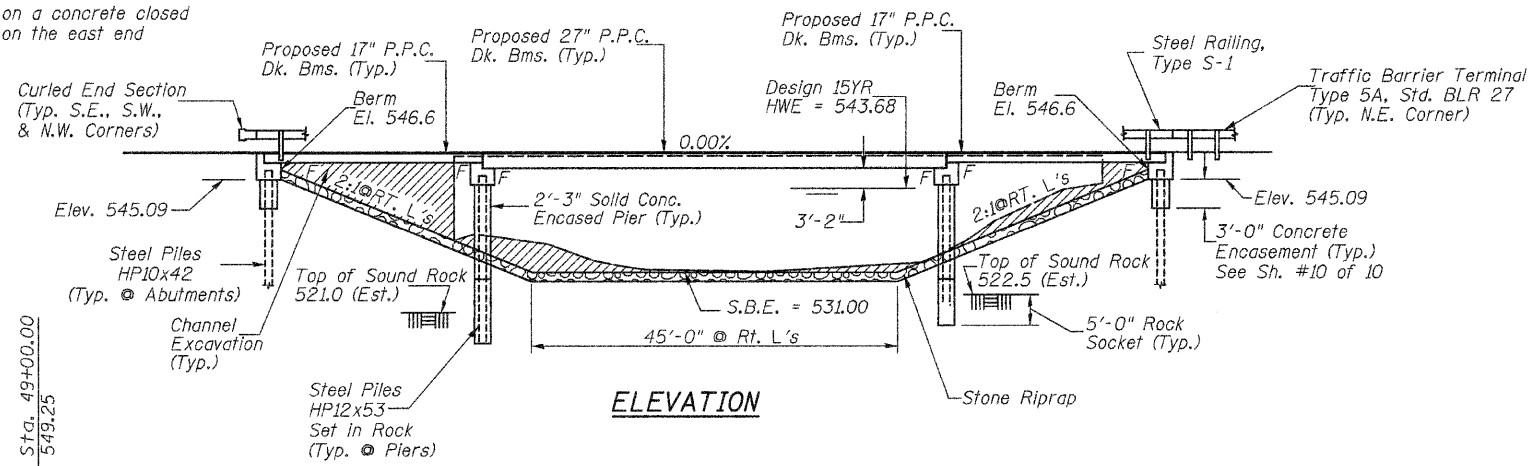
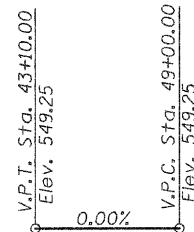
Road to be closed to traffic during construction.

**HONEY CREEK
BUILT 20L BY
HARDIN ROAD DISTRICT
PIKE COUNTY
SEC. 09-11113-00-BR
T.R. 359 STATION 43+90.00
F.A. PROJ. BROS-0149041
STR. NO. 075-3318 LOADING HL-93**

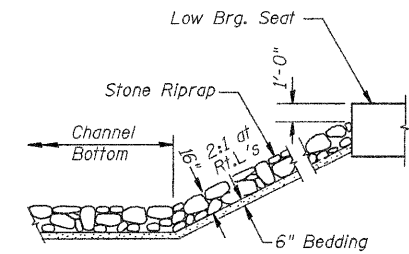
NAME PLATE

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

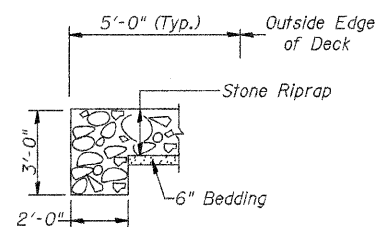
PROFILE GRADE



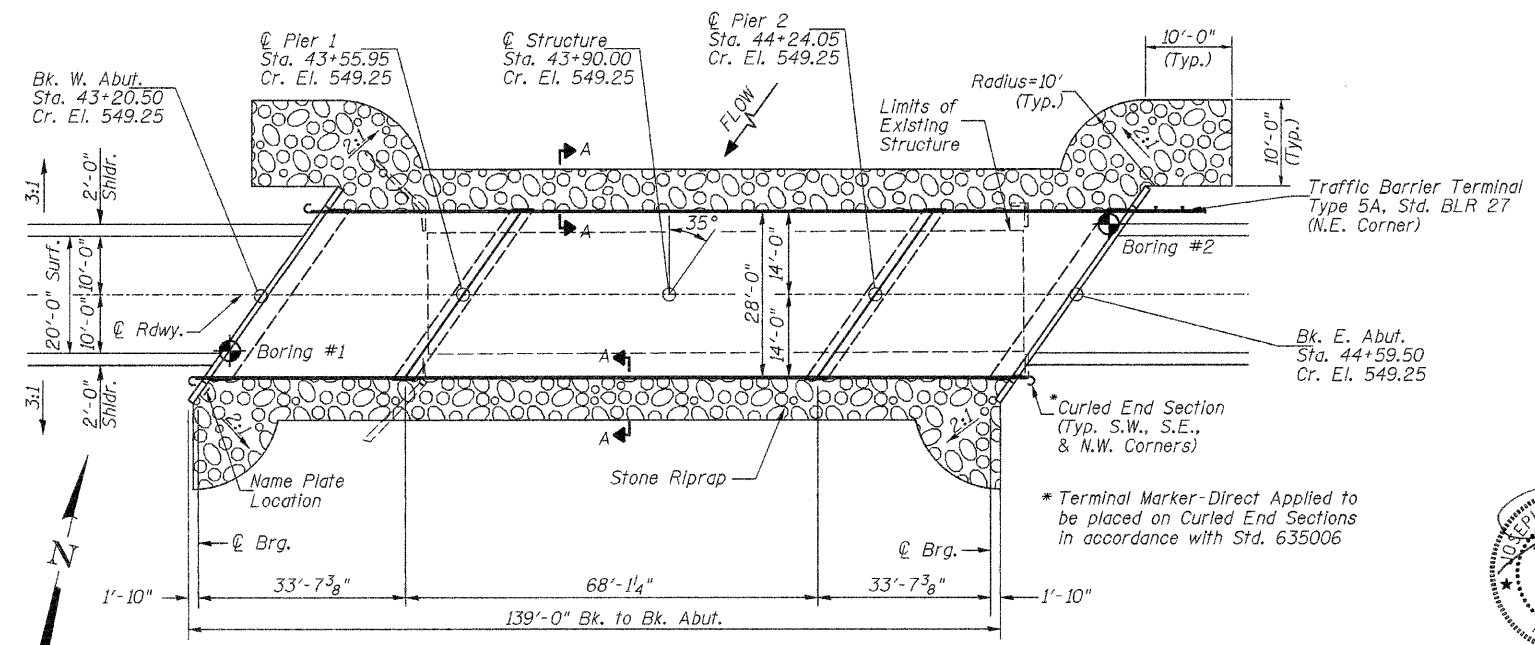
ELEVATION



STONE RIPRAP DETAIL



SECTION A-A



PLAN

DESIGN SCOUR TABLE

Location	W. Abut	Pier 1	Pier 2	E. Abut
Design Scour Elevation	545.09	527.00	527.00	545.09

WATERWAY INFORMATION

Drainage Area = 22.36 Sq. Mi. Low Grade Elev. = 547.79 @ Sta. 52+03.49

Flood Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.		
		Exist.	Prop.		Exist.	Prop.	Exist.	Prop.	
Design	15	4,519	732	852	543.68	0.18	0.00	543.86	543.68
Base	100	7,350	841	981	545.06	0.77	0.40	545.83	545.46

Construction of this project complies with IDNR,
Office of Water Resources Statewide Permit No. 2

DESIGN SPECIFICATIONS

2007 AASHTO (LRFD) & Interims

DESIGN STRESSES

(FIELD UNITS) (PRECAST PRESTRESSED UNITS)
f'c = 3,500 p.s.i. f'c = 6,000 p.s.i.
fy = 60,000 p.s.i. (Rein.) f'ci = 5,000 p.s.i.
f's = 270,000 p.s.i. (1/2" Strands)
f'si = 201,960 p.s.i. (1/2" Strands)

LOADING HL-93

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

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

2800b001

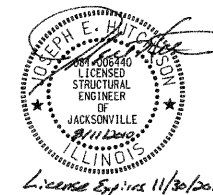
GENERAL NOTES

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.

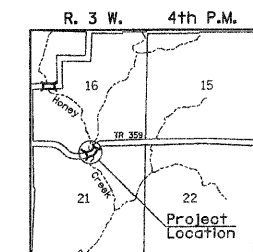
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	CU YD	---	550	550
Stone Riprap, Class B4 (Special)	TON	---	510	510
Removal of Existing Structures	EACH	---	1	1
Structure Excavation	CU YD	---	180	180
Concrete Structures	CU YD	---	137.7	137.7
Precast Prestressed Concrete Deck Beams (17" Depth)	SQ FT	1,918	---	1,918
Precast Prestressed Concrete Deck Beams (27" Depth)	SQ FT	1,904	---	1,904
Reinforcement Bars	POUND	---	10,770	10,770
Steel Railing, Type S1	FOOT	278	---	278
Furnishing Steel Piles HP10x42	FOOT	---	196	196
Furnishing Steel Piles HP12x53	FOOT	---	406	406
Driving Piles	FOOT	---	196	196
Test Pile Steel HP10x42	EACH	---	2	2
Pile Shoes	EACH	---	10	10
Setting Piles in Rock	EACH	---	14	14
Concrete Encasement	CU YD	---	16.9	16.9
Name Plates	EACH	---	1	1
Underwater Structure Excavation Protection, Location 1 (Pier #1)	EACH	---	1	1
Underwater Structure Excavation Protection, Location 2 (Pier #2)	EACH	---	1	1
Bituminous Surface Treatment, A-2 Special	SQ YD	433	---	433

① See Special Provisions



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.



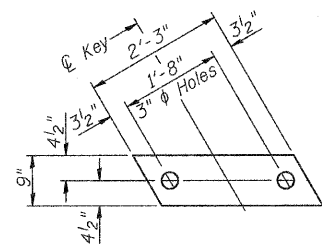
LOCATION SKETCH

GENERAL PLAN & ELEVATION

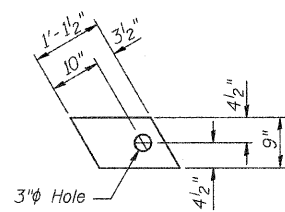
PIKE COUNTY

SECTION 09-11113-00-BR
T.R. 359 OVER HONEY CREEK

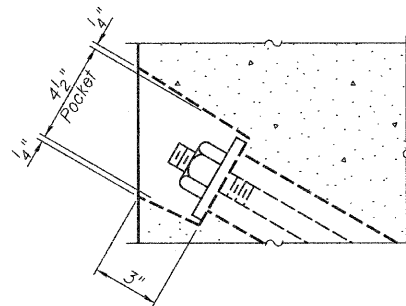
SHEET NO. 1	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10 SHEETS	TR 359	09-11113-00-BR	PIKE	28	7
		S.N. 075-3318		CONTRACT NO. 93540	
	FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT BROS-0149041	



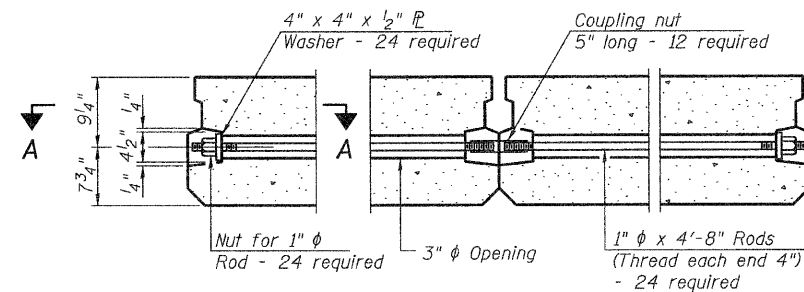
1/2" FABRIC BEARING PAD
(Interior) 24 Required



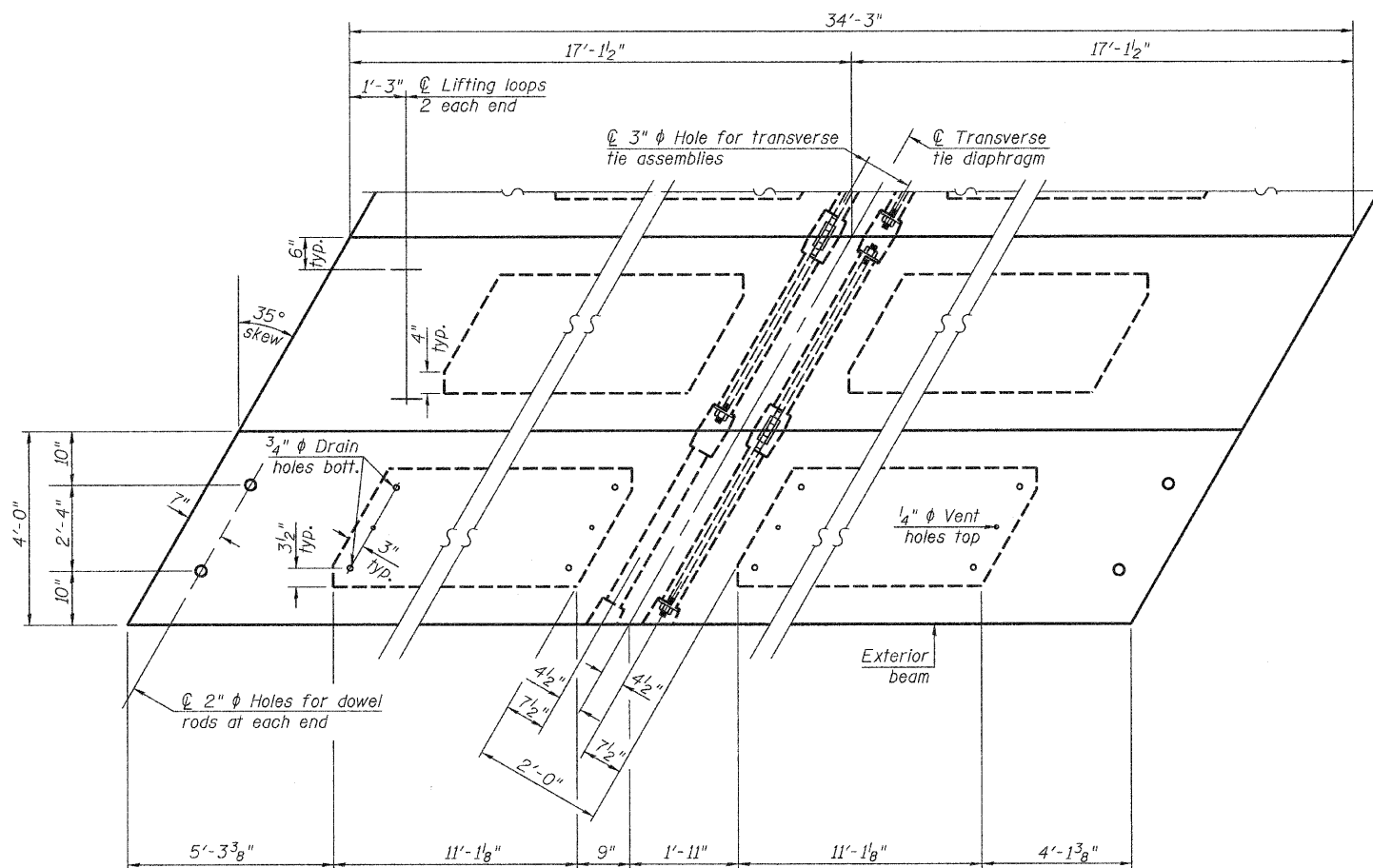
1/2" FABRIC BEARING PAD
(Exterior) 8 Required
FIXED



SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY

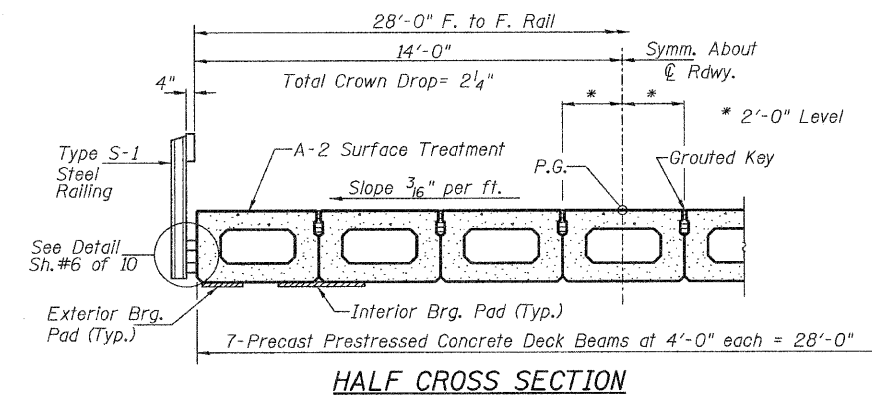


PLAN VIEW

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

NOTES

- 1. 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.
- 2. Reinforcement bars shall conform to ASTM A 706, Grade 60.
- 3. Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
- 4. A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling.
- 5. 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.
- 6. Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
- 7. Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.



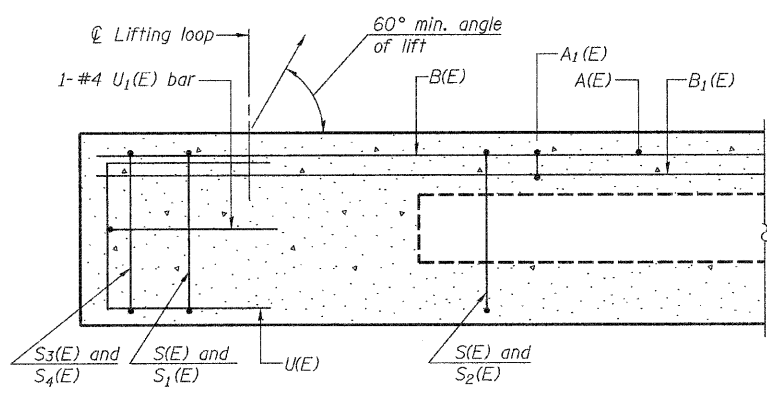
HALF CROSS SECTION

BILL OF MATERIAL

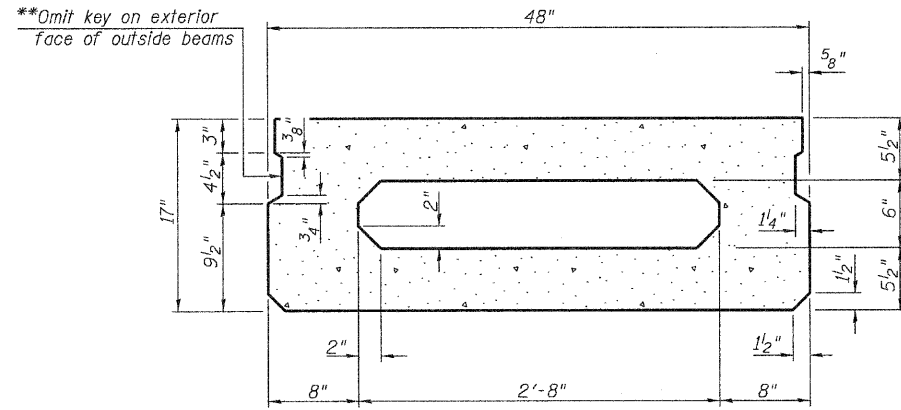
ITEM	UNIT	QUANTITY
① Precast Prestressed Concrete Deck Beams (17" Depth)	SQ FT	1,918
① See Special Provisions		

SUPERSTRUCTURE - SPANS 1 & 3
PIKE COUNTY
SECTION 09-1113-00-BR
T.R. 359 OVER HONEY CREEK

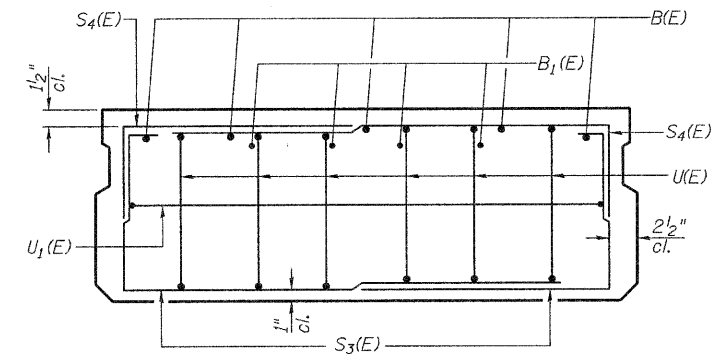
SHEET NO. 2	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10 SHEETS	TR 359	09-1113-00-BR	PIKE	28	8
S.N. 075-3318			CONTRACT NO. 93540		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BROS-0149041		



SECTION C-C

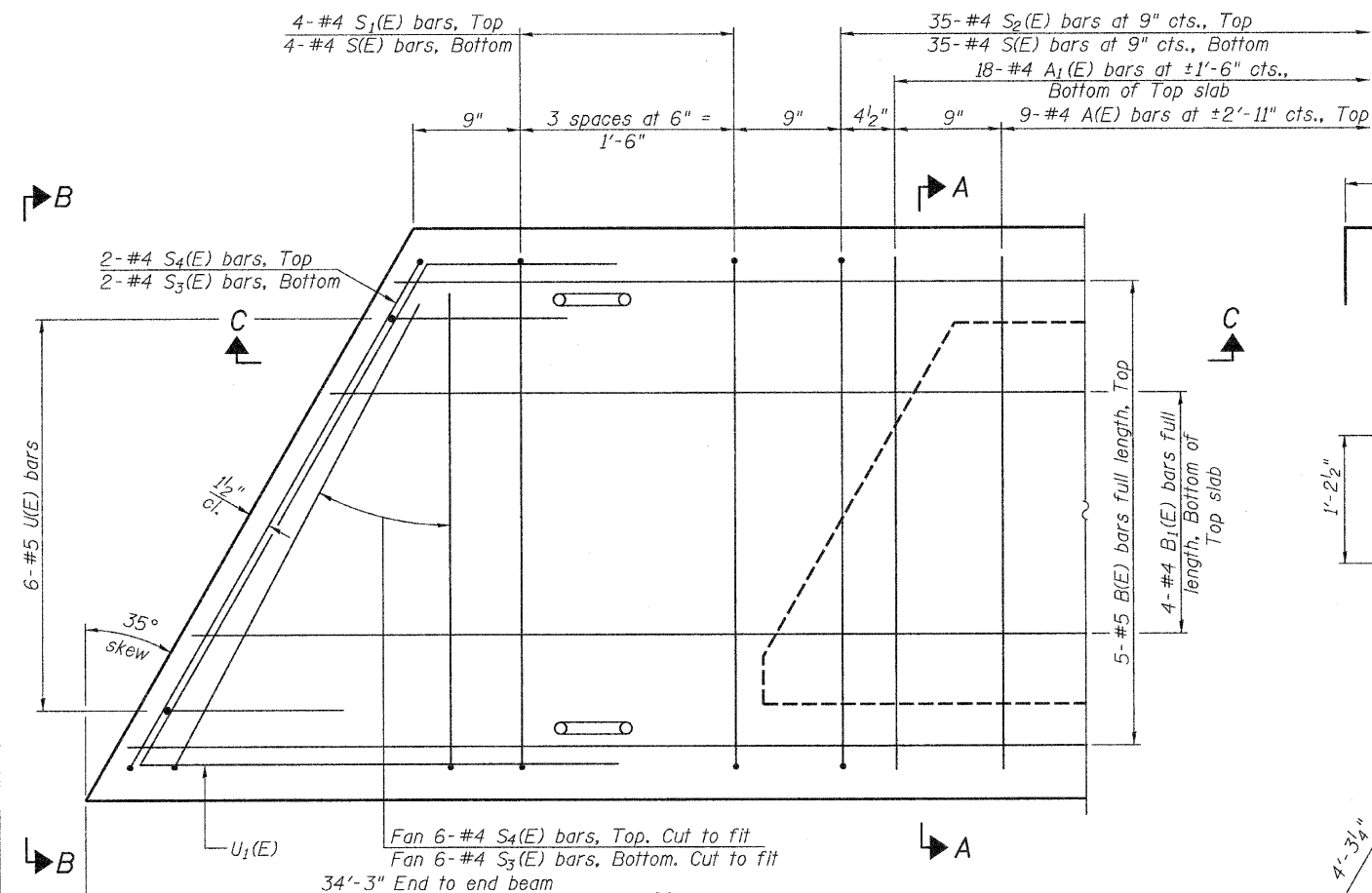


SECTION A-A
(Showing dimensions)



VIEW B-B

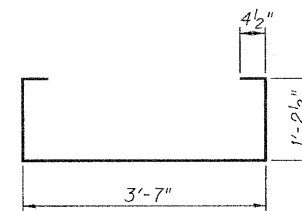
**Rall post anchor devices (Sheet 6 of 10)
to be cast into exterior face of outside beams.



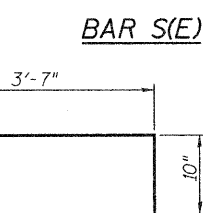
PLAN VIEW

MIN. BAR LAP
#4 bar = 2'-0"
#5 bar = 2'-6"

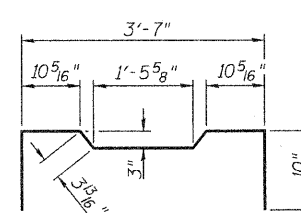
Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



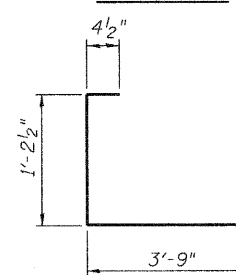
BAR A1(E)



BAR S(E)

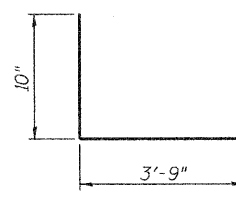


BAR S2(E)

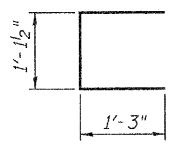


BAR S1(E)

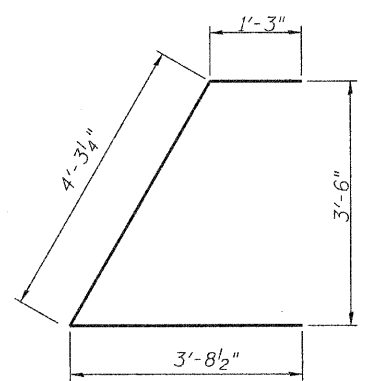
BAR S3(E)



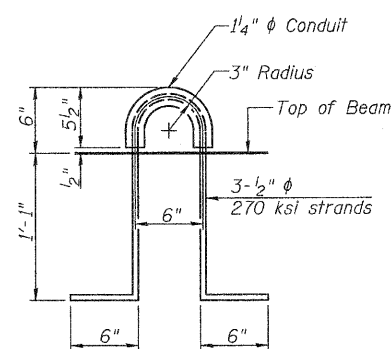
BAR S4(E)



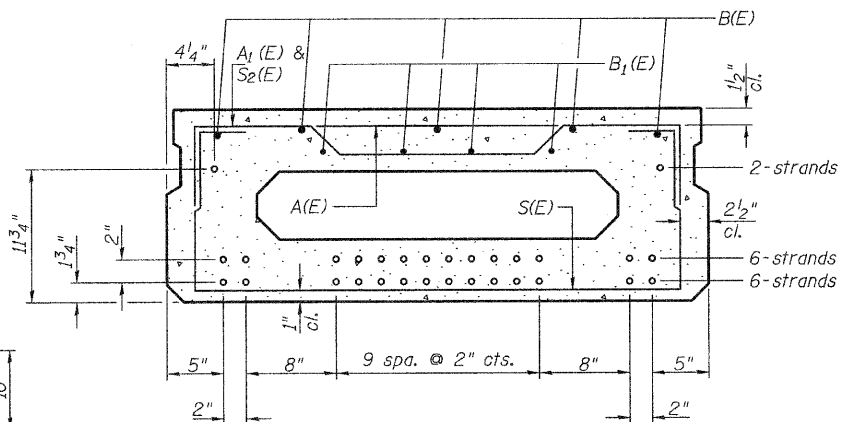
BAR U(E)



BAR U1(E)



LIFTING LOOP DETAIL



SECTION A-A

14-1/2 phi Strands Each Strand Stressed to 30,900 Lbs.
6-Strands 1 3/4" up, 6-Strands 3 3/4" up, 2-Strands 11 3/8" up
Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

BAR LIST-ONE BEAM ONLY
(For information only)

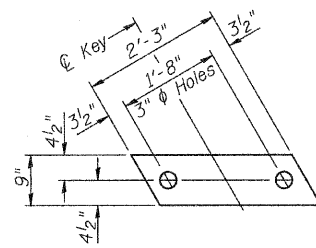
Bar	No.	Size	Length	Shape
A(E)	9	#4	3'-7"	—
A1(E)	18	#4	3'-10"	—
B(E)	5	#5	*34'-0"	—
B1(E)	4	#4	*34'-0"	—
S(E)	43	#4	6'-9"	—
S1(E)	8	#4	5'-3"	—
S2(E)	35	#4	5'-6"	—
S3(E)	16	#4	5'-4"	—
S4(E)	16	#4	4'-7"	—
U(E)	12	#5	3'-8"	—
U1(E)	2	#4	9'-3"	—

* Total Length, Lap as necessary

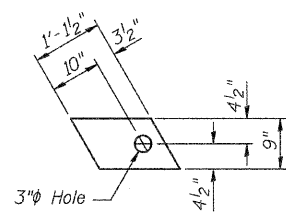
Note: See sheet 2 of 10 for additional details and Bill of Material.

SUPERSTRUCTURE DETAILS - SPANS 1 & 3
PIKE COUNTY
SECTION 09-1113-00-BR
T.R. 359 OVER HONEY CREEK

SHEET NO. 3 10 SHEETS	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TR 359	09-1113-00-BR	PIKE	28	9
S.N. 075-3318			CONTRACT NO. 93540		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BROS-01491041		

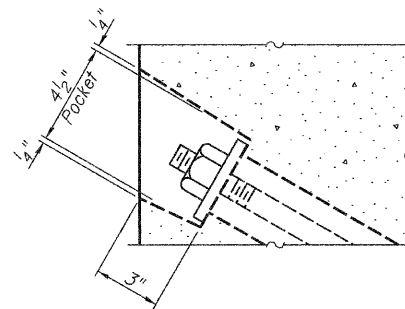


1/2" FABRIC BEARING PAD
(Interior) 12 Required

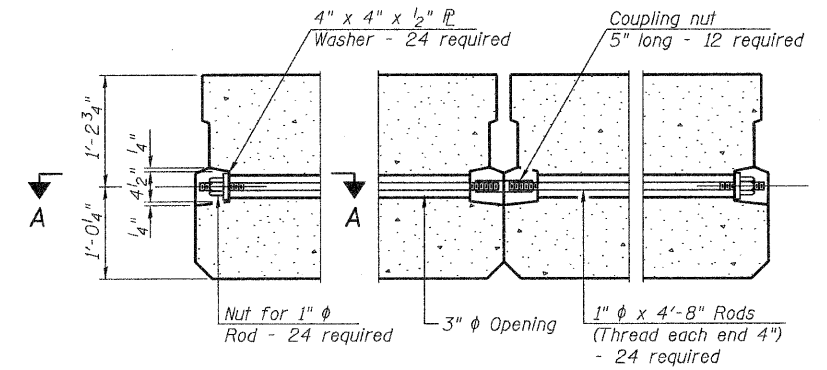


1/2" FABRIC BEARING PAD
(Exterior) 4 Required

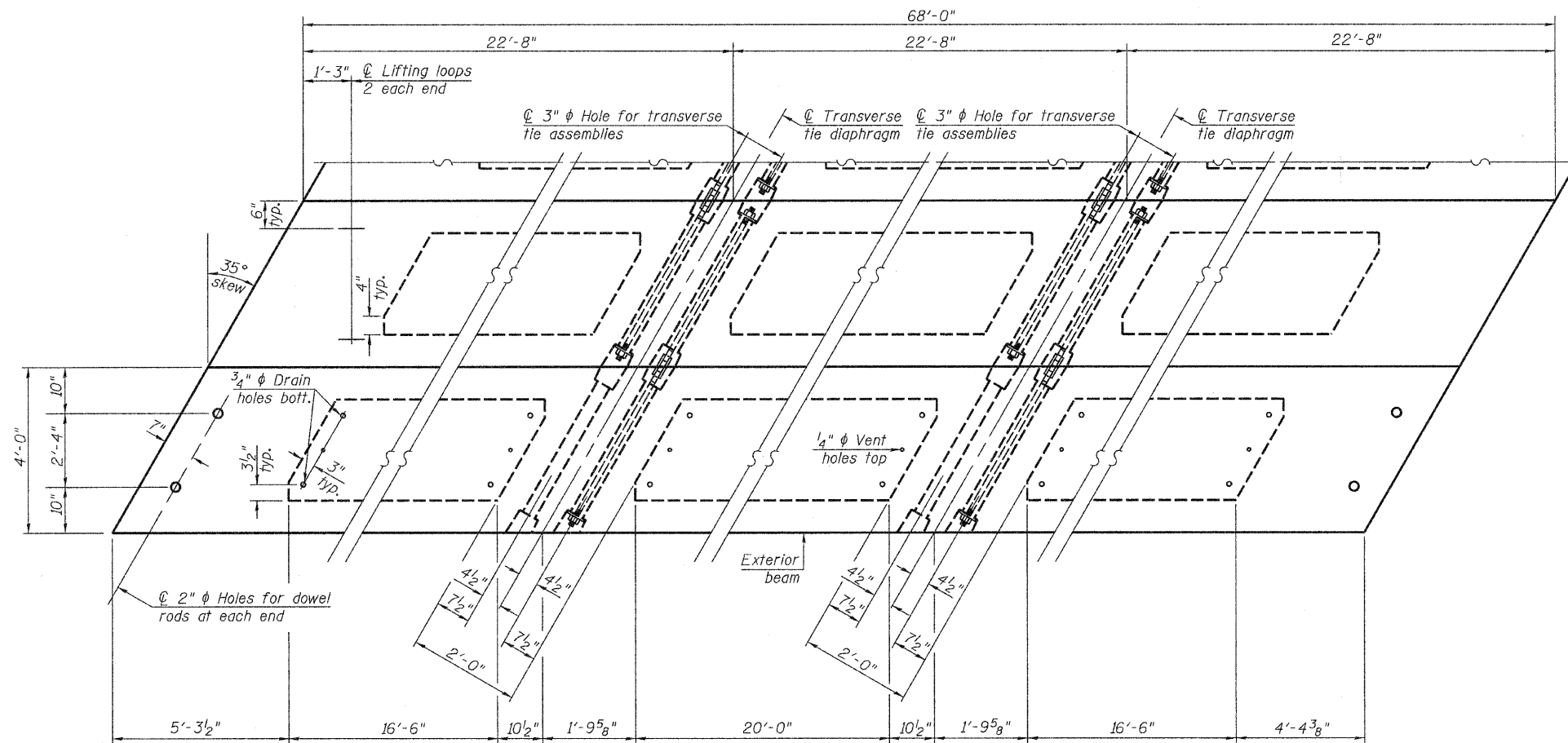
FIXED



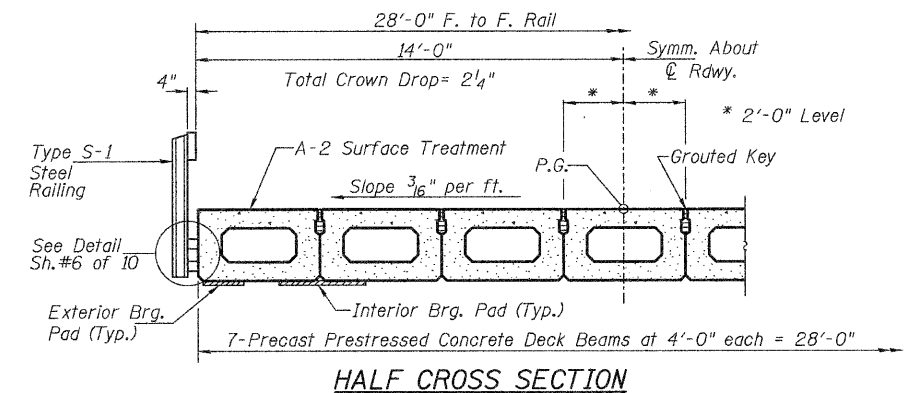
SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY



PLAN VIEW



HALF CROSS SECTION

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

NOTES

Pressing 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" 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.

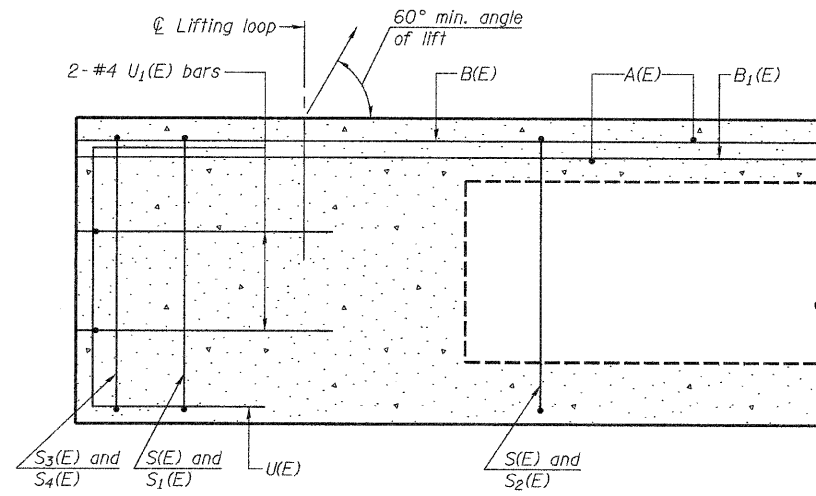
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
① Precast Prestressed Concrete Deck Beams (27" Depth)	SQ FT	1,904

① See Special Provisions

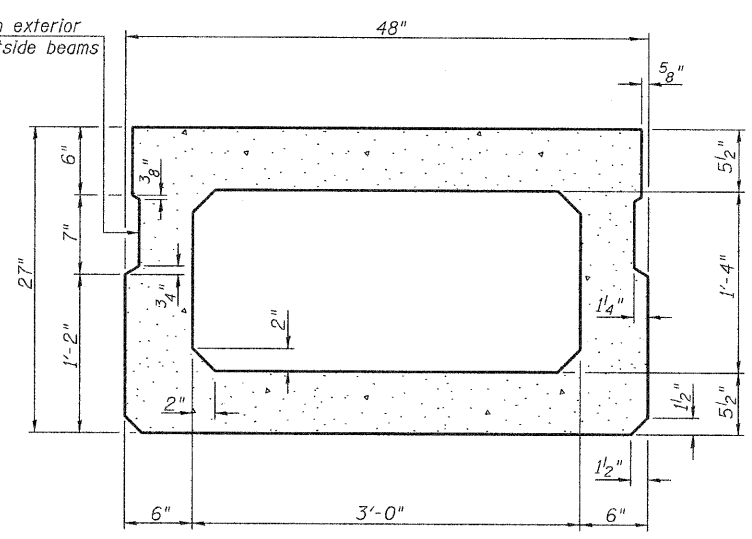
SUPERSTRUCTURE - SPAN 2
PIKE COUNTY
SECTION 09-1113-00-BR
T.R. 359 OVER HONEY CREEK

SHEET NO. 4	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10 SHEETS	TR 359	09-1113-00-BR	PIKE	28	10
S.N. 075-3318			CONTRACT NO. 93540		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT BROS-0149(041)		



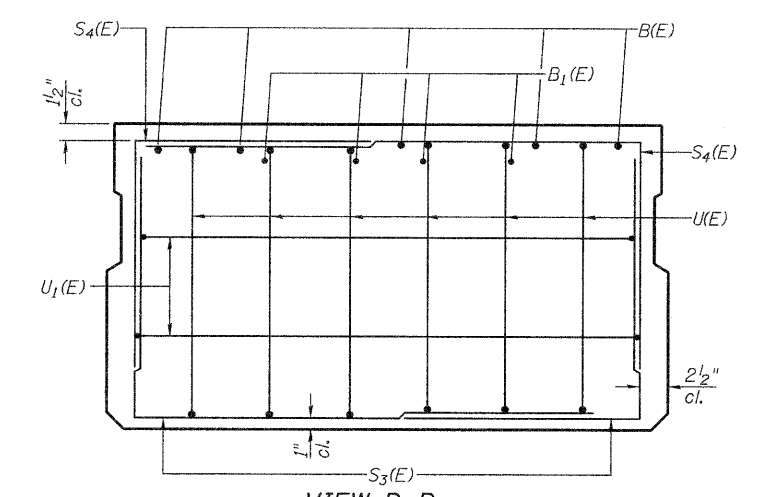
SECTION C-C

**Omit key on exterior face of outside beams

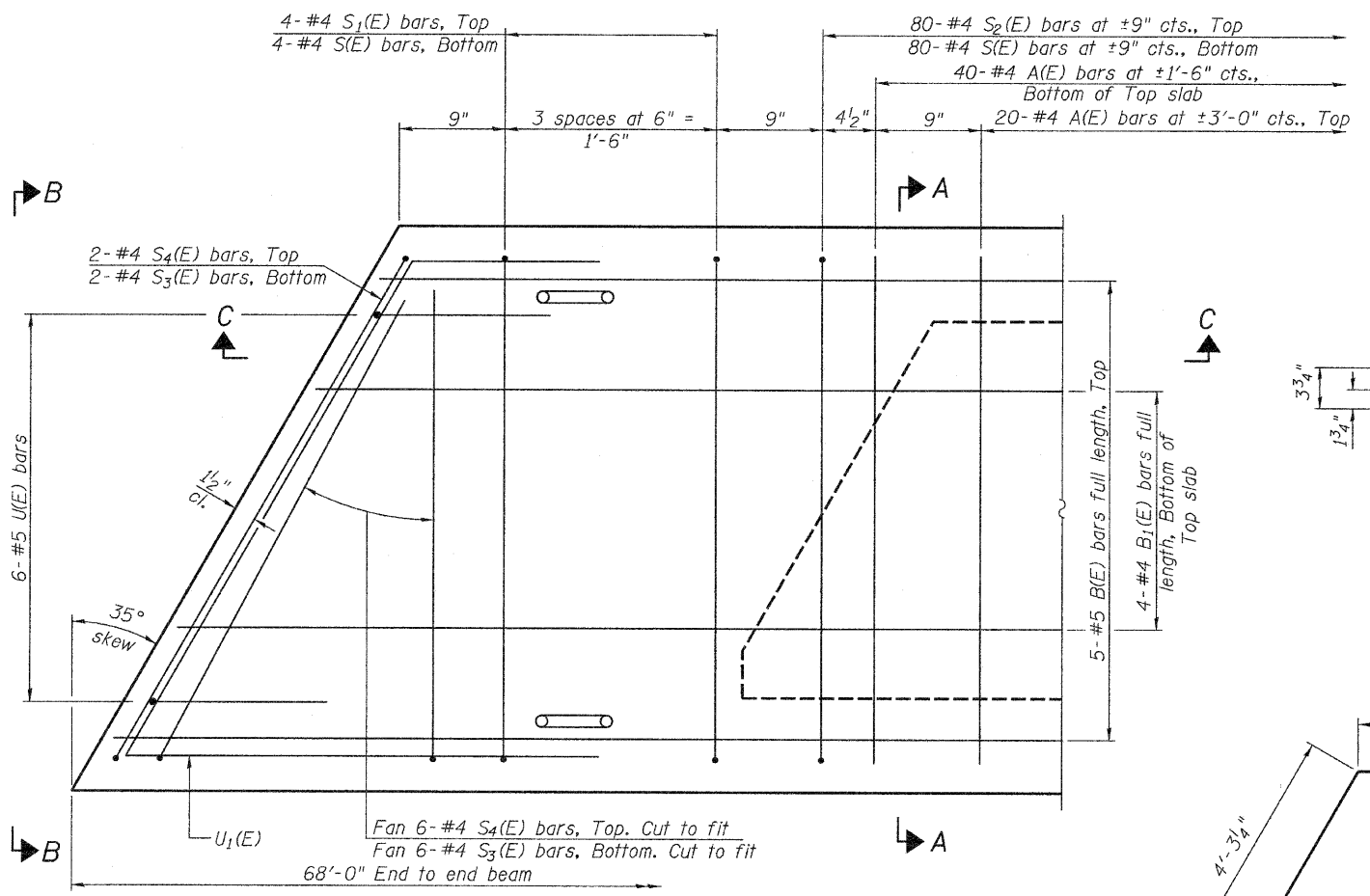


SECTION A-A
(Showing dimensions)

**Roll post anchor devices (Sheet 6 of 10) to be cast into exterior face of outside beams.



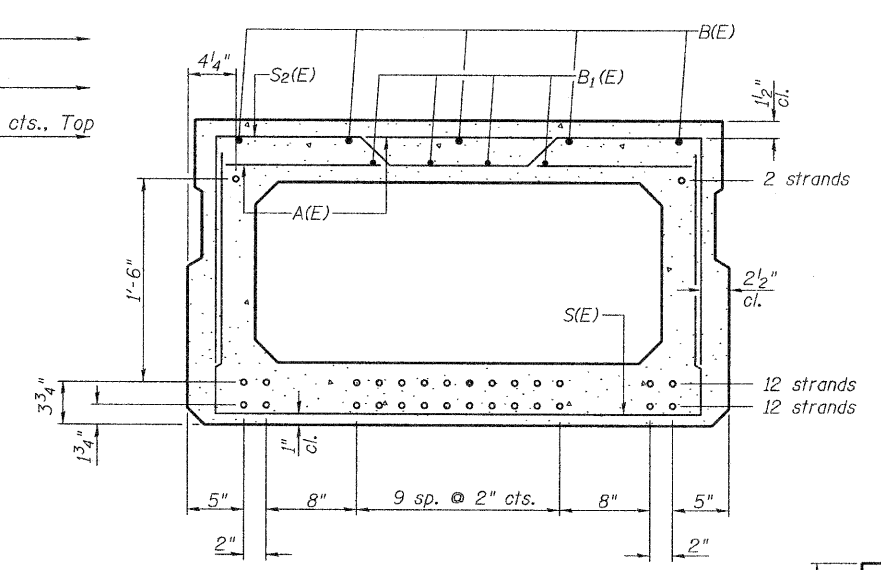
VIEW B-B



PLAN VIEW

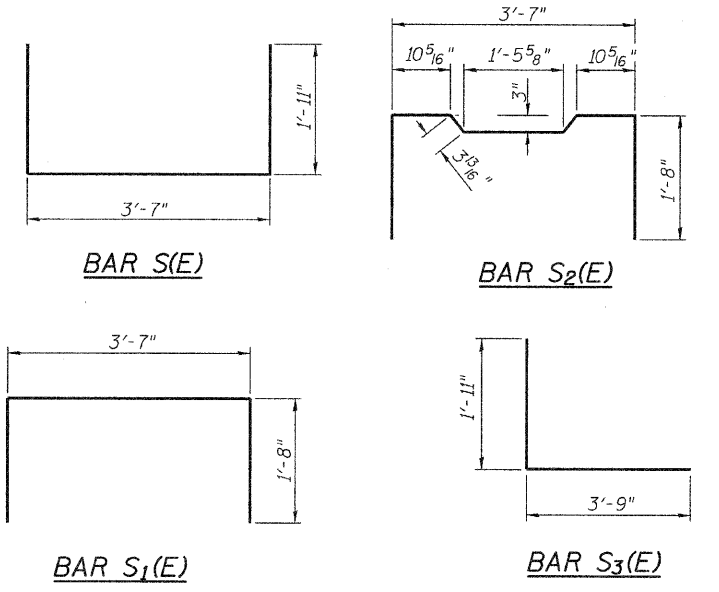
Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

MIN. BAR LAP
#4 bar = 2'-0"
#5 bar = 2'-6"



SECTION A-A

26-1/2" ϕ Strands Each Strand Stressed to 30,900 Lbs.
12-Strands 1 3/4" up, 12-Strands 3 3/4" up,
2-Strands 1'-9 3/4" up
Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.



BAR LIST - ONE BEAM ONLY
(For information only)

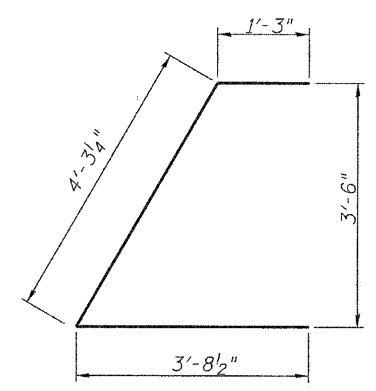
Bar	No.	Size	Length	Shape
A(E)	60	#4	3'-7"	—
B(E)	5	#5	*67'-9"	—
B1(E)	4	#4	*67'-9"	—
S(E)	88	#4	7'-5"	□
S1(E)	8	#4	6'-11"	□
S2(E)	80	#4	7'-2"	□
S3(E)	16	#4	5'-8"	□
S4(E)	16	#4	5'-5"	□
U(E)	12	#5	4'-6"	□
U1(E)	4	#4	9'-3"	□

* Total Length, Lap as necessary

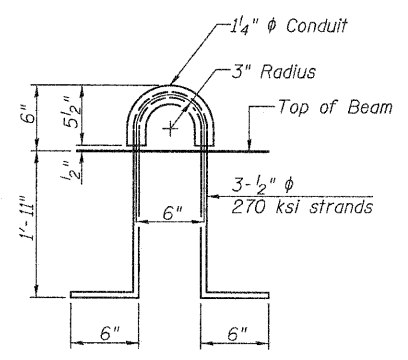
Note: See sheet 4 of 10 for additional details and Bill of Material.

SUPERSTRUCTURE DETAILS - SPAN 2

PIKE COUNTY
SECTION 09-1113-00-BR
T.R. 359 OVER HONEY CREEK



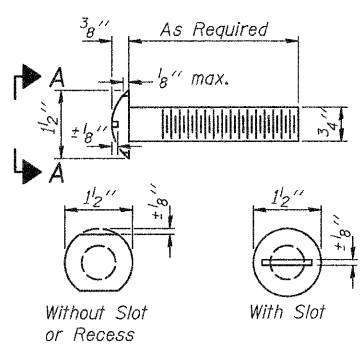
BAR U1(E)



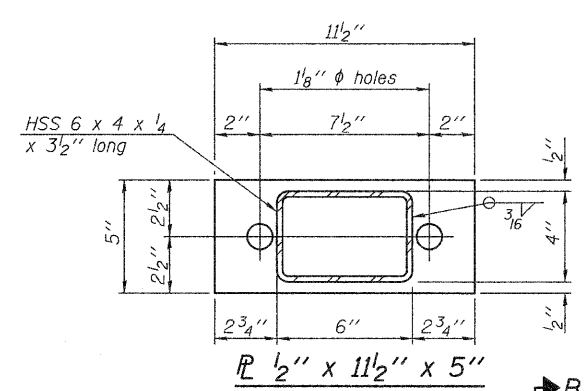
LIFTING LOOP DETAIL

SHEET NO. 5 10 SHEETS	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TR 359	09-1113-00-BR	PIKE	28	11
	S.N. 075-3318		CONTRACT NO. 93540		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BROS-0149(041)		

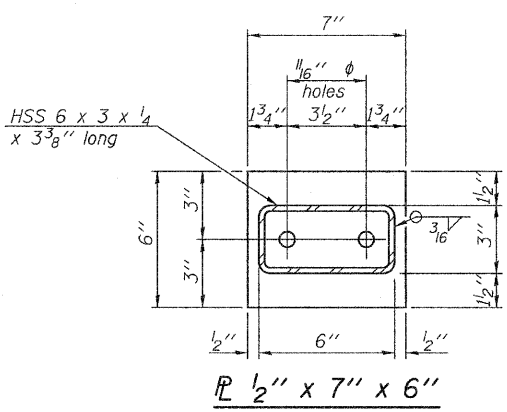
FOR RAIL POST SPACING SEE SH.#7 OF 10



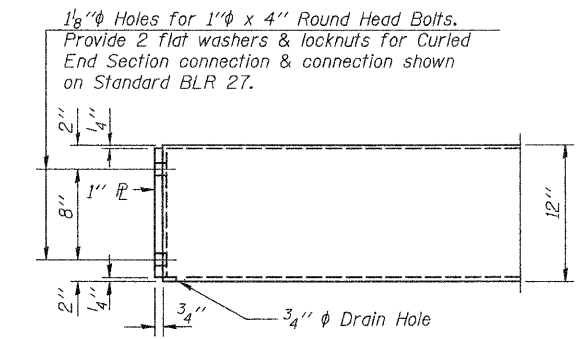
VIEW A-A
ROUND HEAD BOLT



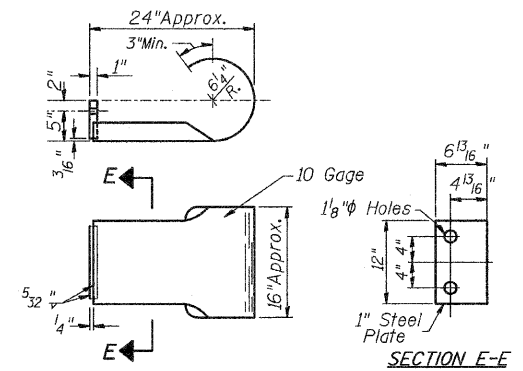
SECTION B-B
P 1/2" x 11 1/2" x 5"



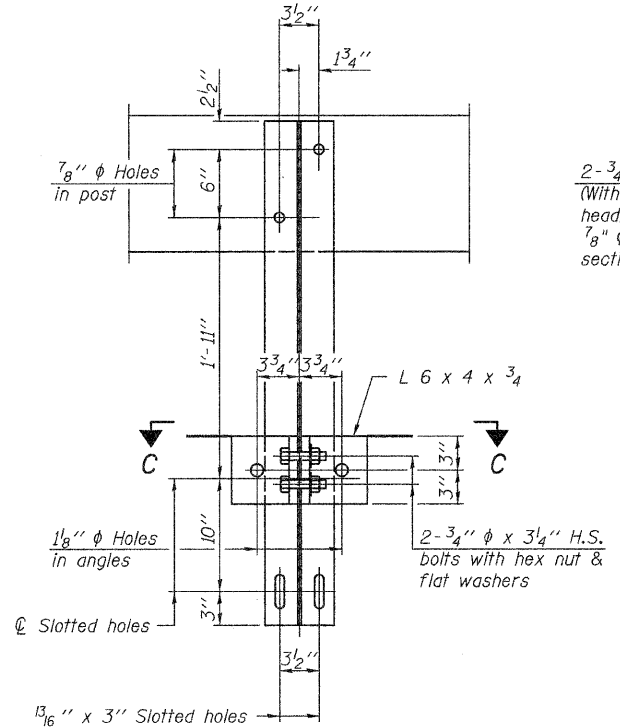
SECTION C-C
P 1/2" x 7" x 6"



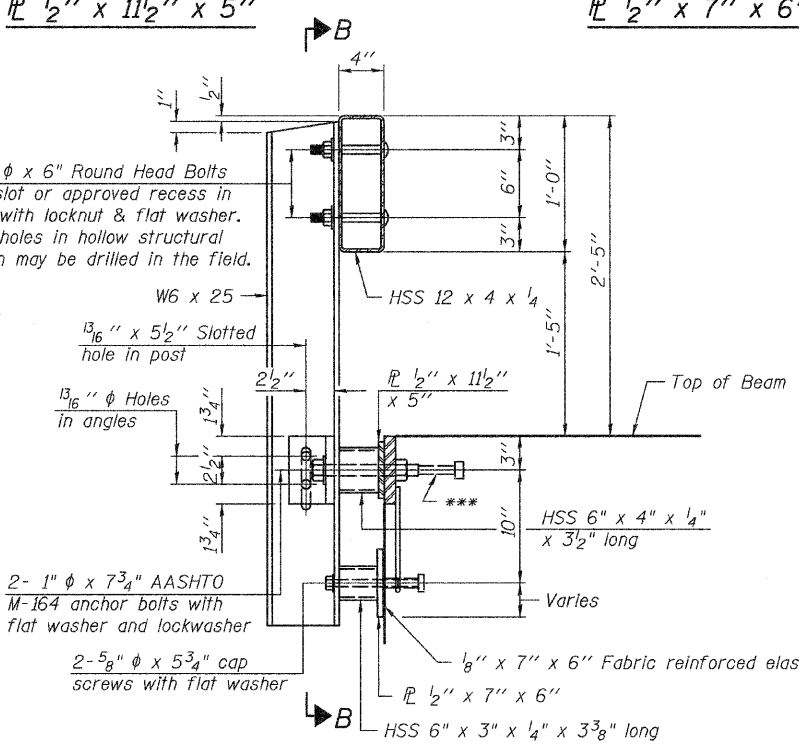
END OF RAIL DETAILS



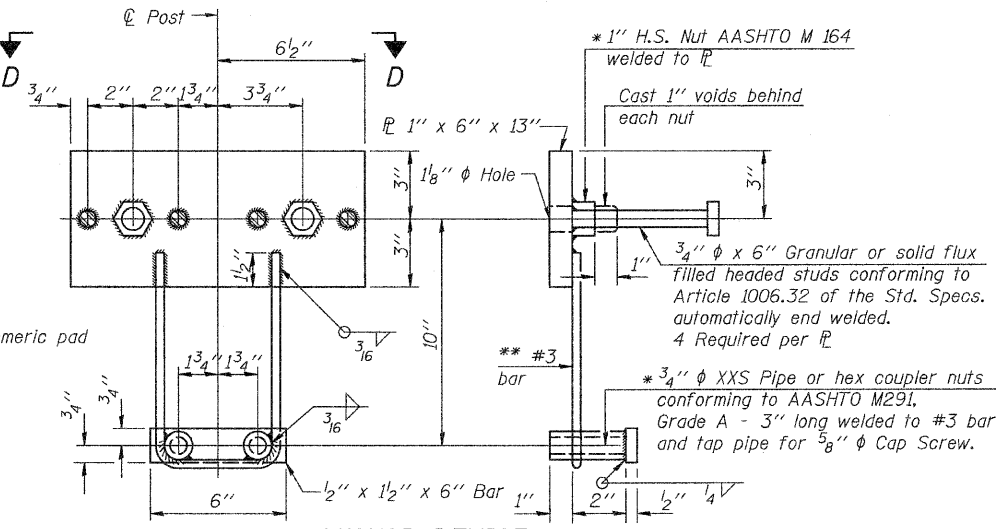
SECTION E-E
CURLLED END SECTION
(3 Req'd) Cost Included with Steel Railing, Type S-1.
Terminal Markers - Direct Applied shall be placed on end of each Curled End Section. (S.W., S.E. & N.W. Corners)



SECTION B-B

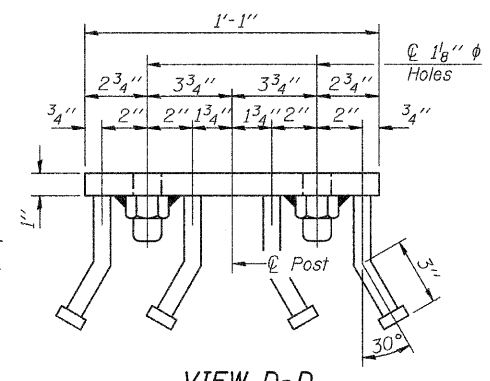


SECTION AT RAILING POST



ANCHOR DEVICE

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



VIEW D-D

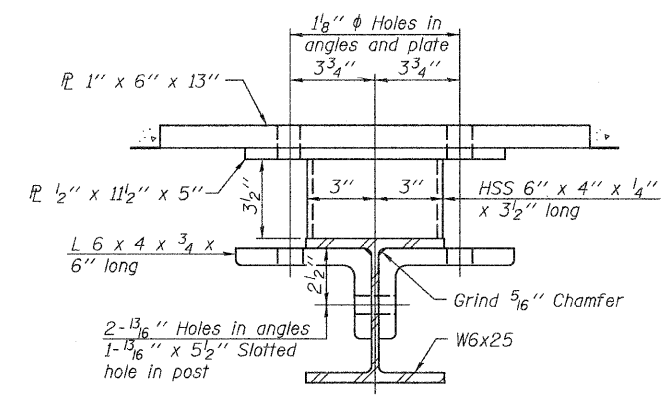
NOTES

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.

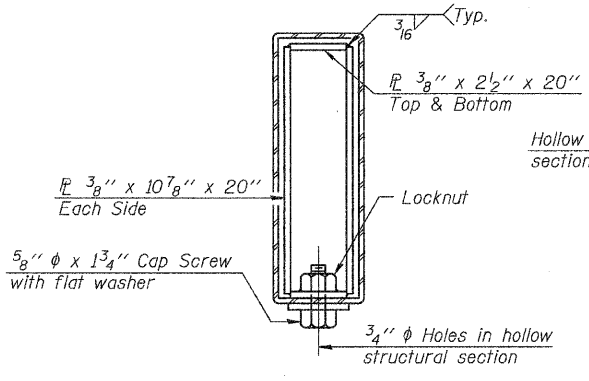
BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type S-1	FOOT	278

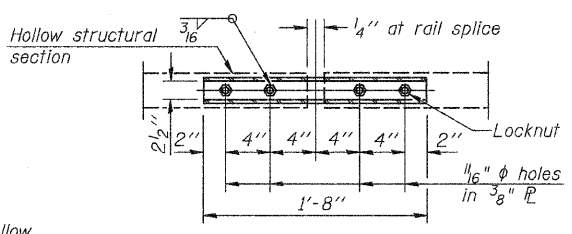
** Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed 1/2".



SECTION C-C



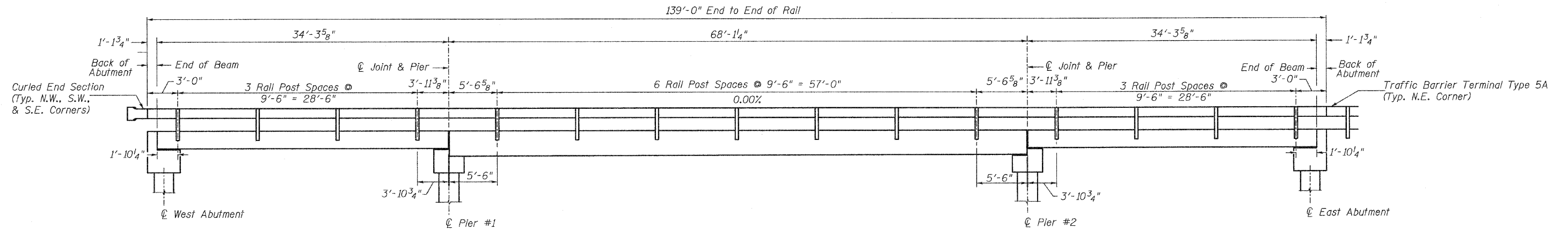
SECTIONS AT RAIL SPLICE



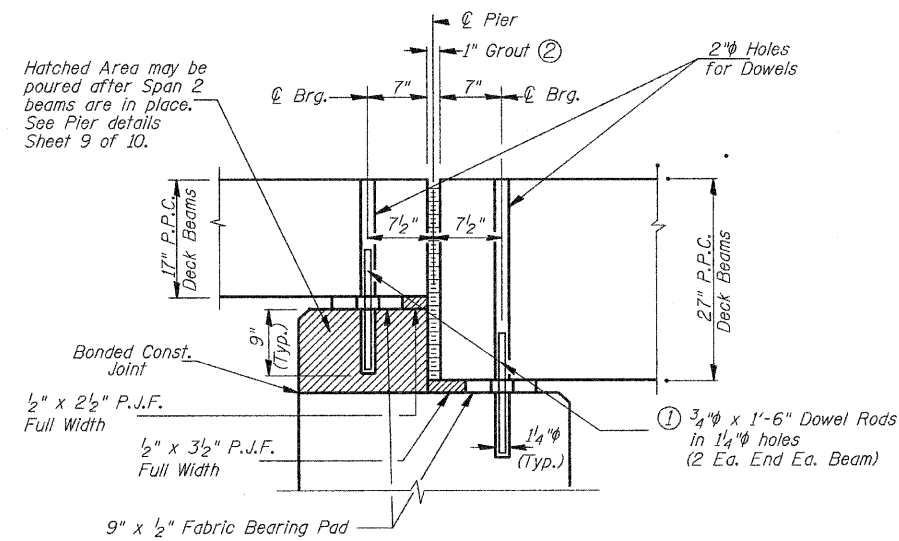
PLAN-BOTT. SPLICE P TYPICAL

STEEL RAILING, TYPE S-1
PIKE COUNTY
SECTION 09-1113-00-BR
T.R. 359 OVER HONEY CREEK

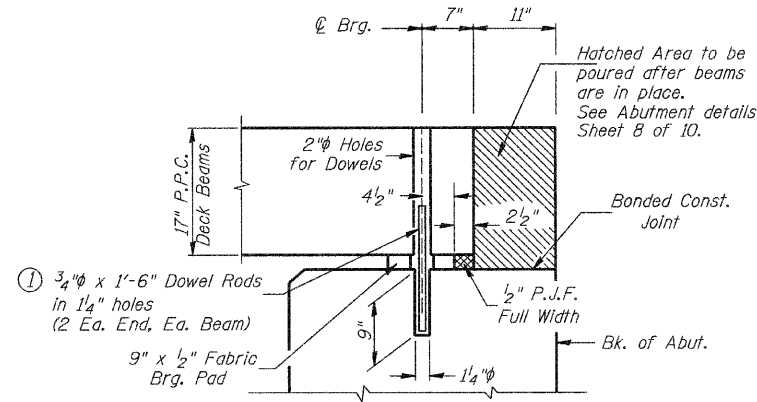
SHEET NO. 6	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10 SHEETS	TR 359	09-1113-00-BR	PIKE	28	12
		S.N. 075-3318		CONTRACT NO. 93540	
	FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT BROS-0149(041)	



RAIL POST SPACING



SECTION THRU PIERS
(At Right Angles)

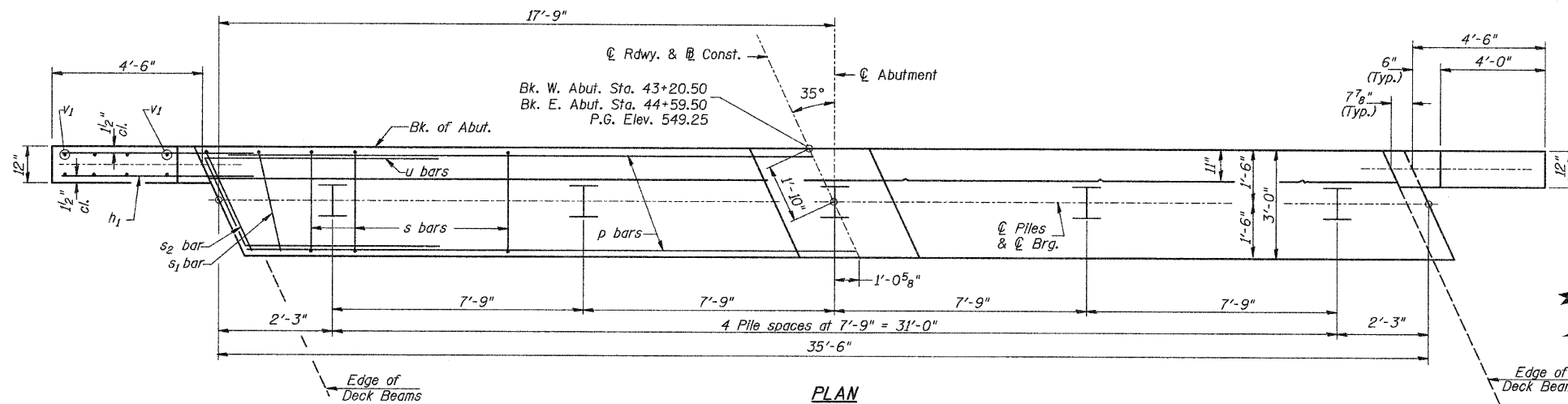


SECTION THRU ABUTMENTS
(At Right Angles)

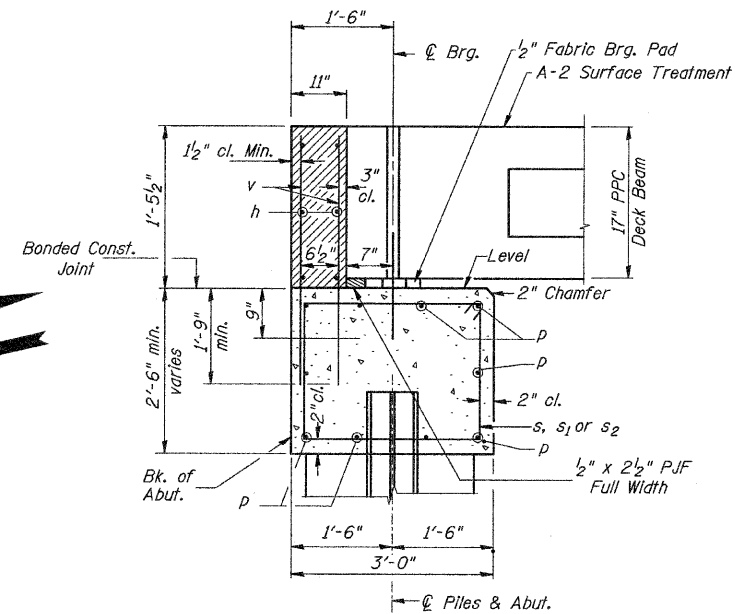
- ① Dowel Rods to be grouted after beams are in place and allowed to cure (Min. 24 hr.) prior to grouting the shear keys.
- ② 1" Joint shall be packed with a very dry mix of 2:1 sand and P.C. mortar. 1" Dimension may vary plus or minus to accommodate tolerance in beam lengths.

**RAIL POST SPACING AND
SUPERSTRUCTURE DETAILS
PIKE COUNTY
SECTION 09-1113-00-BR
T.R. 359 OVER HONEY CREEK**

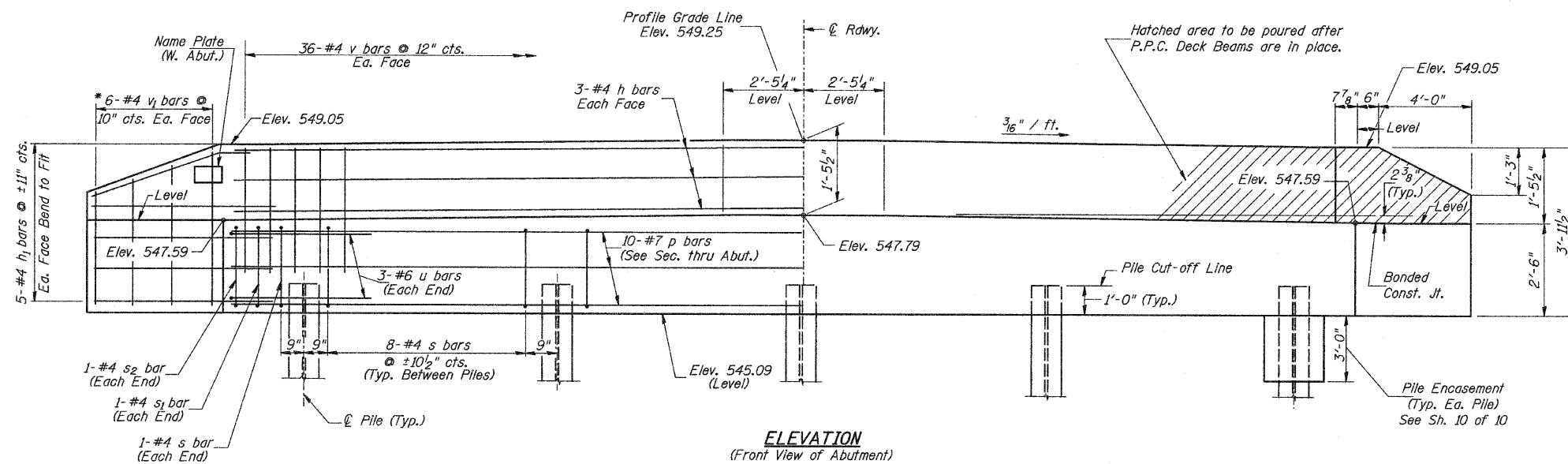
SHEET NO. 7	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TR 359	09-1113-00-BR	PIKE	28	13
10 SHEETS	S.N. 075-3318		CONTRACT NO. 93540		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT BROS-0149(041)		



PLAN



SECTION THRU ABUT.
(At Right Angles)



ELEVATION
(Front View of Abutment)

DESIGN STRESSES

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

PILE DATA

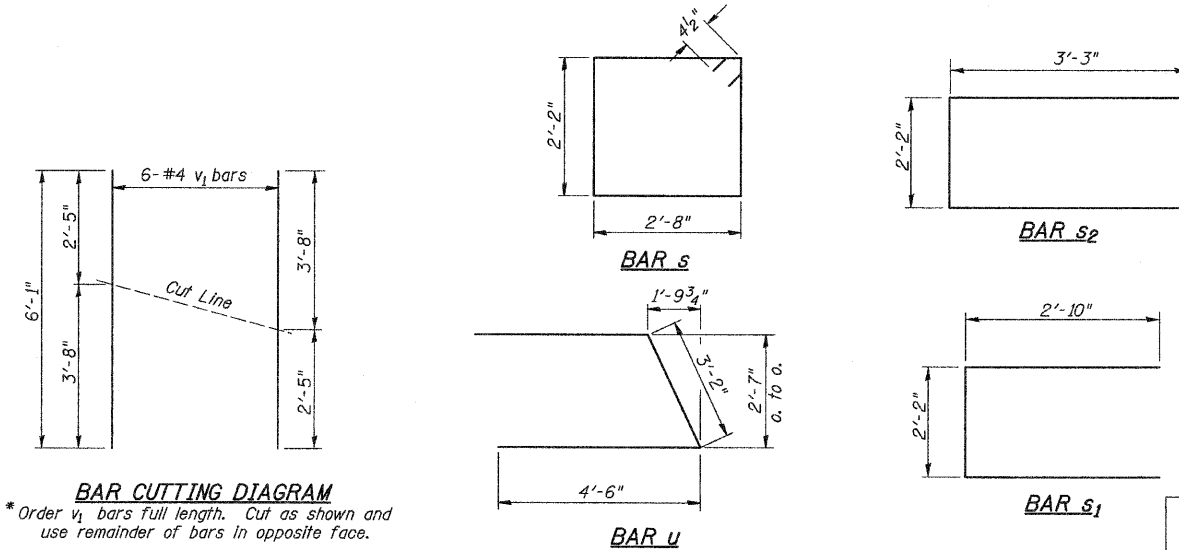
Type & Size: Steel HP10x42 w/ pile shoes
Nominal Required Bearing: 335 kips
Factored Resistance Available: 167 kips
Est. Length: 26' West Abutment
23' East Abutment
No. Req'd.: 10 (Includes 1 Test Pile at Each Abut.)

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 v_1 bars full length. Cut as shown and use remainder of bars in opposite face.



**TWO ABUTMENTS
BILL OF MATERIAL**

BAR	NO.	SIZE	LENGTH	SHAPE
h	12	#4	35'-3"	—
h1	40	#4	6'-6"	—
p	20	#7	35'-3"	—
s	68	#4	10'-5"	□
s1	4	#4	7'-10"	□
s2	4	#4	8'-8"	□
u	12	#6	12'-2"	▤
v	144	#4	3'-2"	—
v1	24	#4	6'-1"	—
Concrete Structures		CU YD	26.4	
Reinforcement Bars		POUND	3,040	
Structure Excavation		CU YD	110	
Name Plates		EACH	1	
Furnishing Steel Piles HP10x42		FOOT	196	
Driving Piles		FOOT	196	
Test Pile Steel HP10x42		EACH	2	
Pile Shoes		EACH	10	
Concrete Encasement		CU YD	3.5	

① See Special Provisions

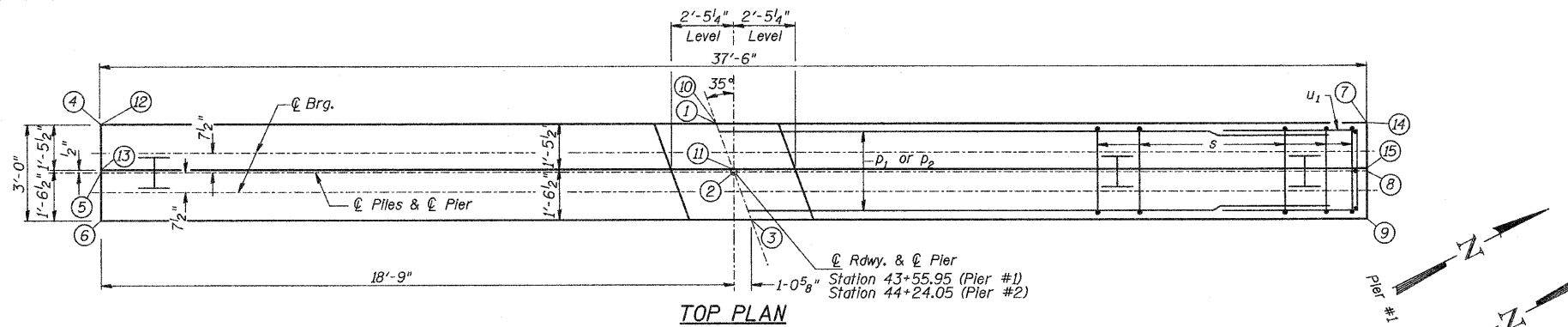
**ABUTMENTS
PIKE COUNTY
SECTION 09-1113-00-BR
T.R. 359 OVER HONEY CREEK**

SHEET NO. 8 10 SHEETS	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TR 359	09-1113-00-BR	PIKE	28	14
S.N. 075-3318			CONTRACT NO. 93540		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BROS-0149(041)		

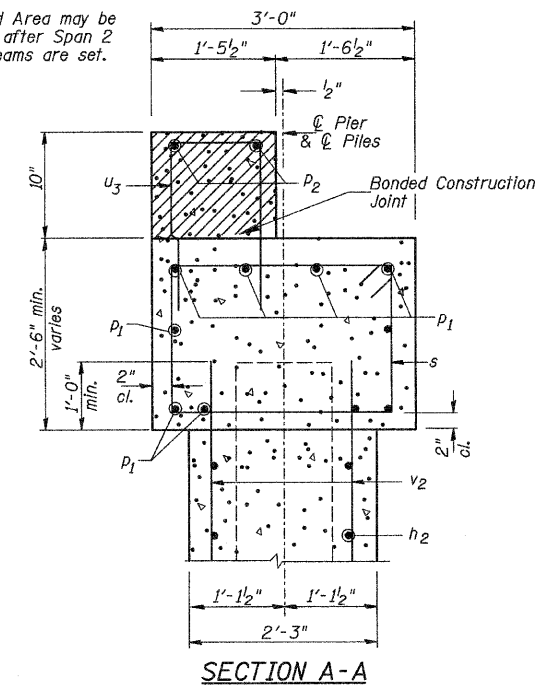
NOTES:
All edges shall have standard
3/4" chamfer.

PILE DATA

Type & Size: Steel HP12x53
Nominal Required Bearing: Set In Rock (419 kips)
Factored Resistance Available: Set In Rock (209 kips)
Est. Length: 30' Pier #1
28' Pier #2
No. Req'd.: 14



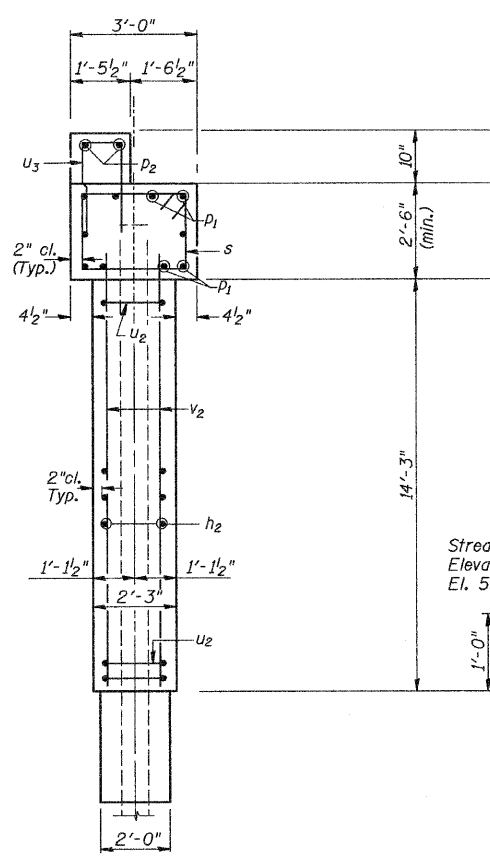
Hatched Area may be
poured after Span 2
PPC Beams are set.



**TWO PIERS
BILL OF MATERIAL**

BAR	NO.	SIZE	LENGTH	SHAPE
h ₂	60	#5	34'-3"	—
p ₁	20	#7	37'-3"	—
p ₂	4	#5	37'-3"	—
s	84	#4	10'-5"	□
u ₁	12	#6	11'-7"	⊏
u ₂	60	#5	7'-0"	⊏
u ₃	76	#4	4'-5"	⊏
v ₂	156	#5	15'-1"	—
Concrete Structures			CU YD	111.3
① Reinforcement Bars			POUND	7,730
Structure Excavation			CU YD	70
① Furnishing Steel Piles HP12x53			FOOT	406
① Setting Piles in Rock			EACH	14
Concrete Encasement			CU YD	13.4
① Underwater Structure Excavation Protection, Location 1			EACH	1
① Underwater Structure Excavation Protection, Location 2			EACH	1

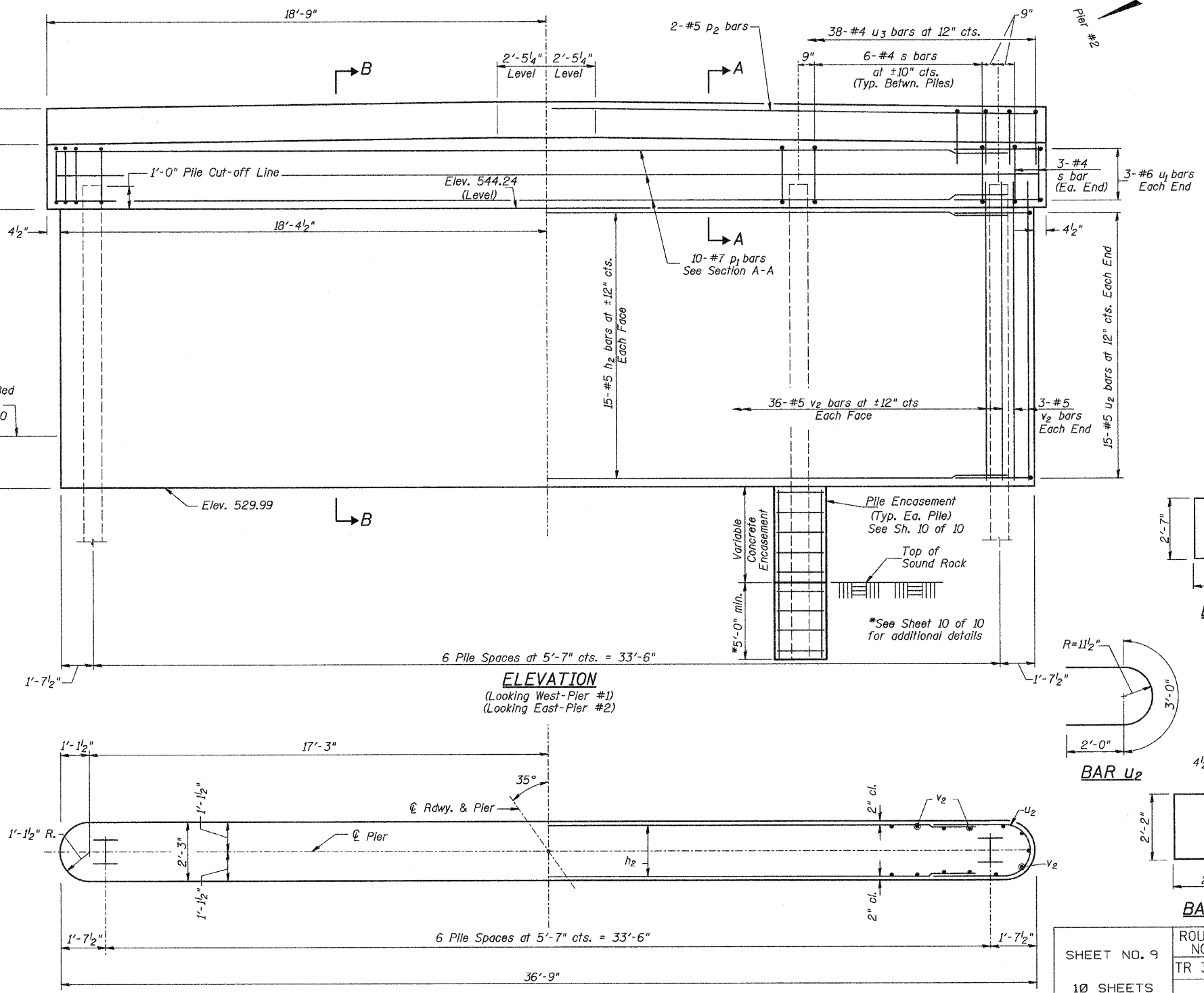
① See Special Provisions



SECTION B-B

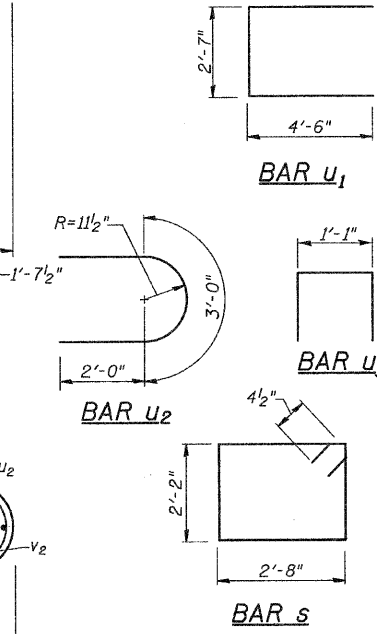
TABLE OF ELEVATIONS

LOCATION	DESCRIPTION	ELEVATION
①	Top of Cap	546.96
②	Top of Cap	546.96
③	Top of Cap	546.96
④	Top of Cap	546.76
⑤	Top of Cap	546.75
⑥	Top of Cap	546.74
⑦	Top of Cap	546.74
⑧	Top of Cap	546.75
⑨	Top of Cap	546.76
⑩	Top of Step	547.79
⑪	Top of Step	547.79
⑫	Top of Step	547.59
⑬	Top of Step	547.58
⑭	Top of Step	547.57
⑮	Top of Step	547.58



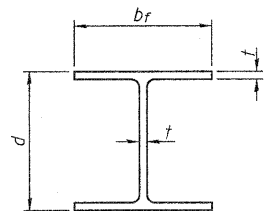
ELEVATION

(Looking West-Pier #1)
(Looking East-Pier #2)



**PIERS
PIKE COUNTY
SECTION 09-1113-00-BR
T.R. 359 OVER HONEY CREEK**

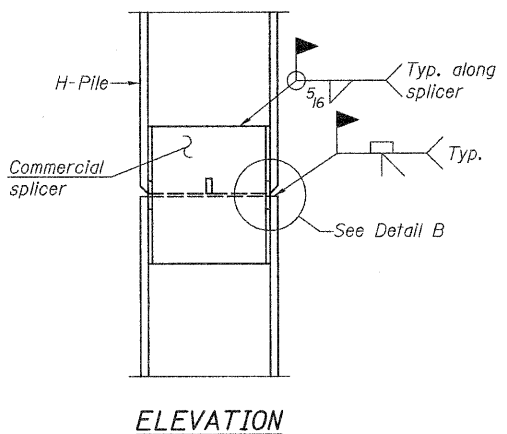
SHEET NO. 9 10 SHEETS	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TR 359	09-1113-00-BR	PIKE	28	15
S.N. 075-3318			CONTRACT NO. 93540		
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT BROS-0149(041)			



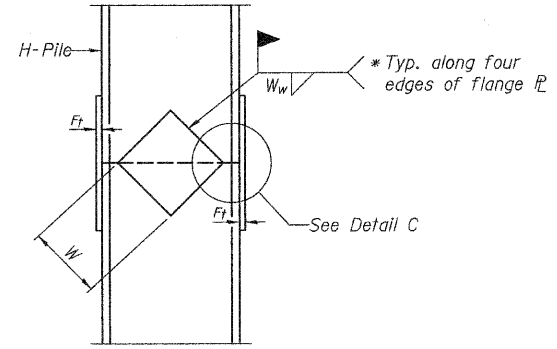
STEEL PILE TABLE

Designation	Depth d	Flange width br	Web and Flange thickness t	Encasement diameter
HP 14x117	14 1/4"	14 7/8"	1 3/16"	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 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"

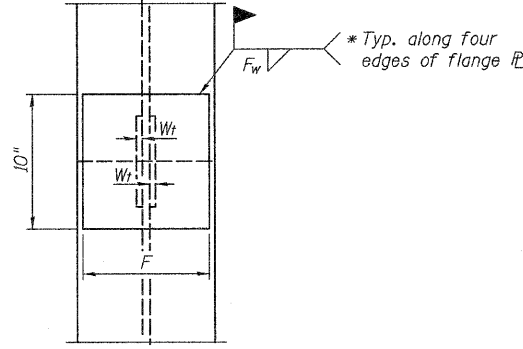
Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.



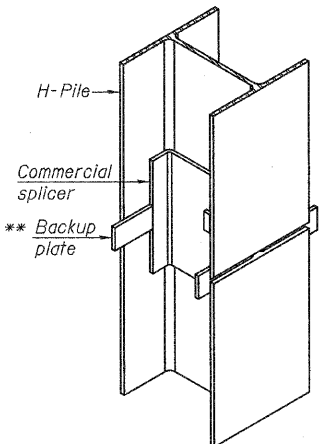
ELEVATION



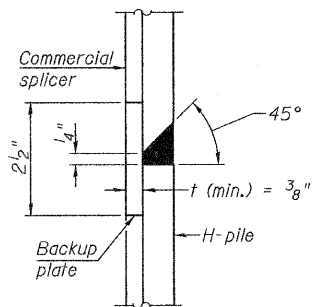
ELEVATION



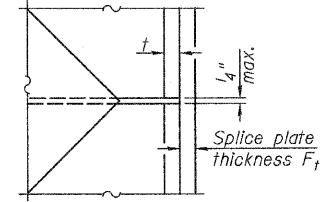
END VIEW



ISOMETRIC VIEW

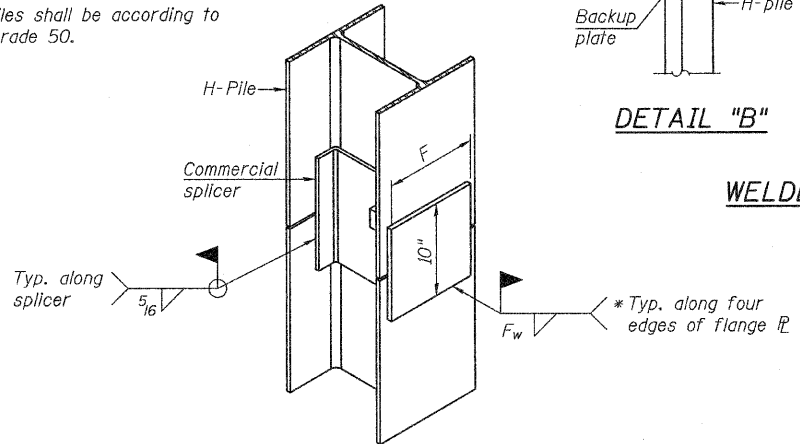


DETAIL "B"



DETAIL C

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5 1/2"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5 1/2"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5 1/2"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5 1/2"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5 1/2"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5 1/2"	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"



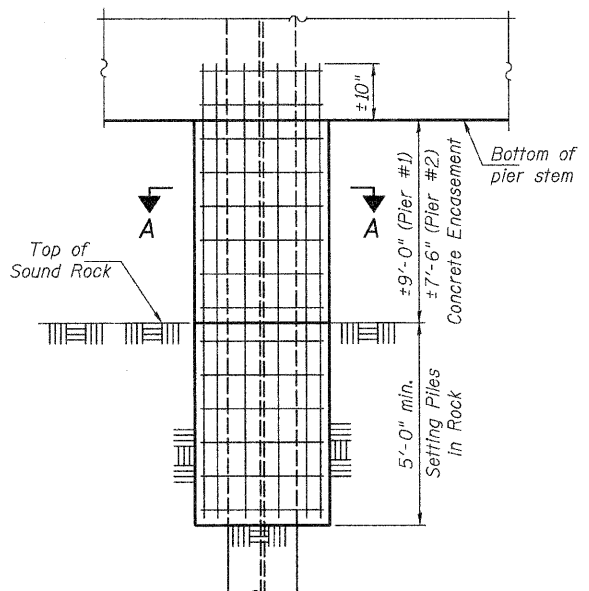
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

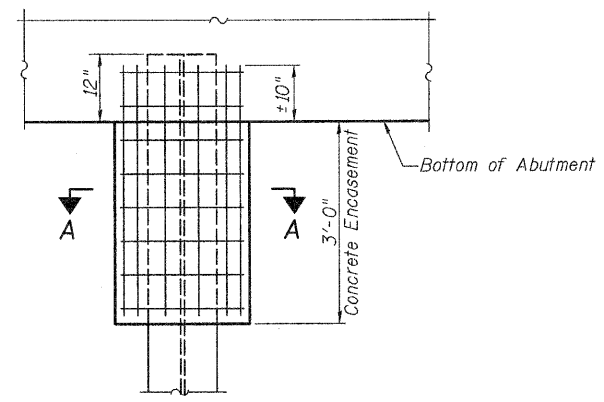
- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).

WELDED COMMERCIAL SPLICE

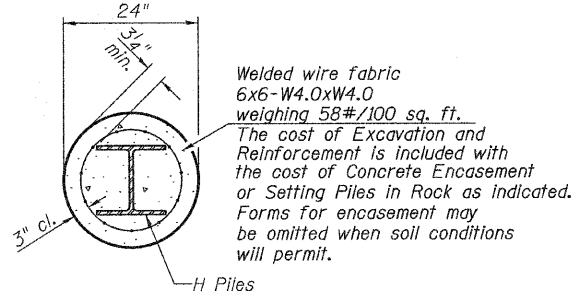
WELDED PLATE FIELD SPLICE



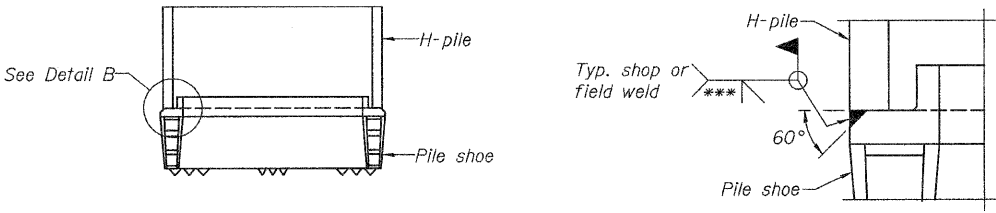
PIER ELEVATION



ABUTMENT ELEVATION



SECTION A-A



ELEVATION

H-PILE SHOE ATTACHMENT

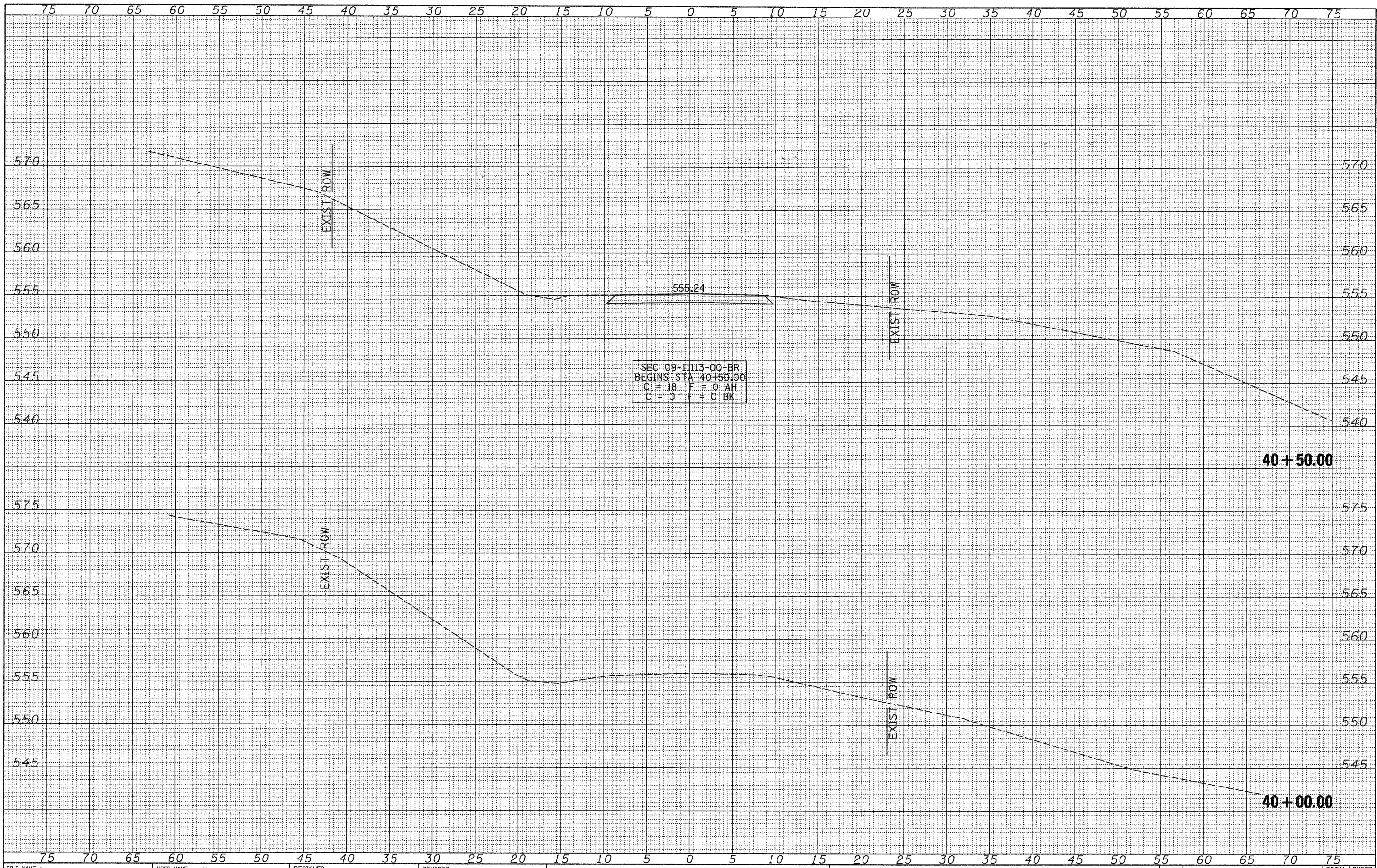
DETAIL B

**PILE DETAILS
PIKE COUNTY
SECTION 09-1113-00-BR
T.R. 359 OVER HONEY CREEK**

SHEET NO. 10	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10 SHEETS	TR 359	09-1113-00-BR	PIKE	28	16
S.N. 075-3318			CONTRACT NO. 93540		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT BROS-0149(041)		

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

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



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DATE -	REVISED -

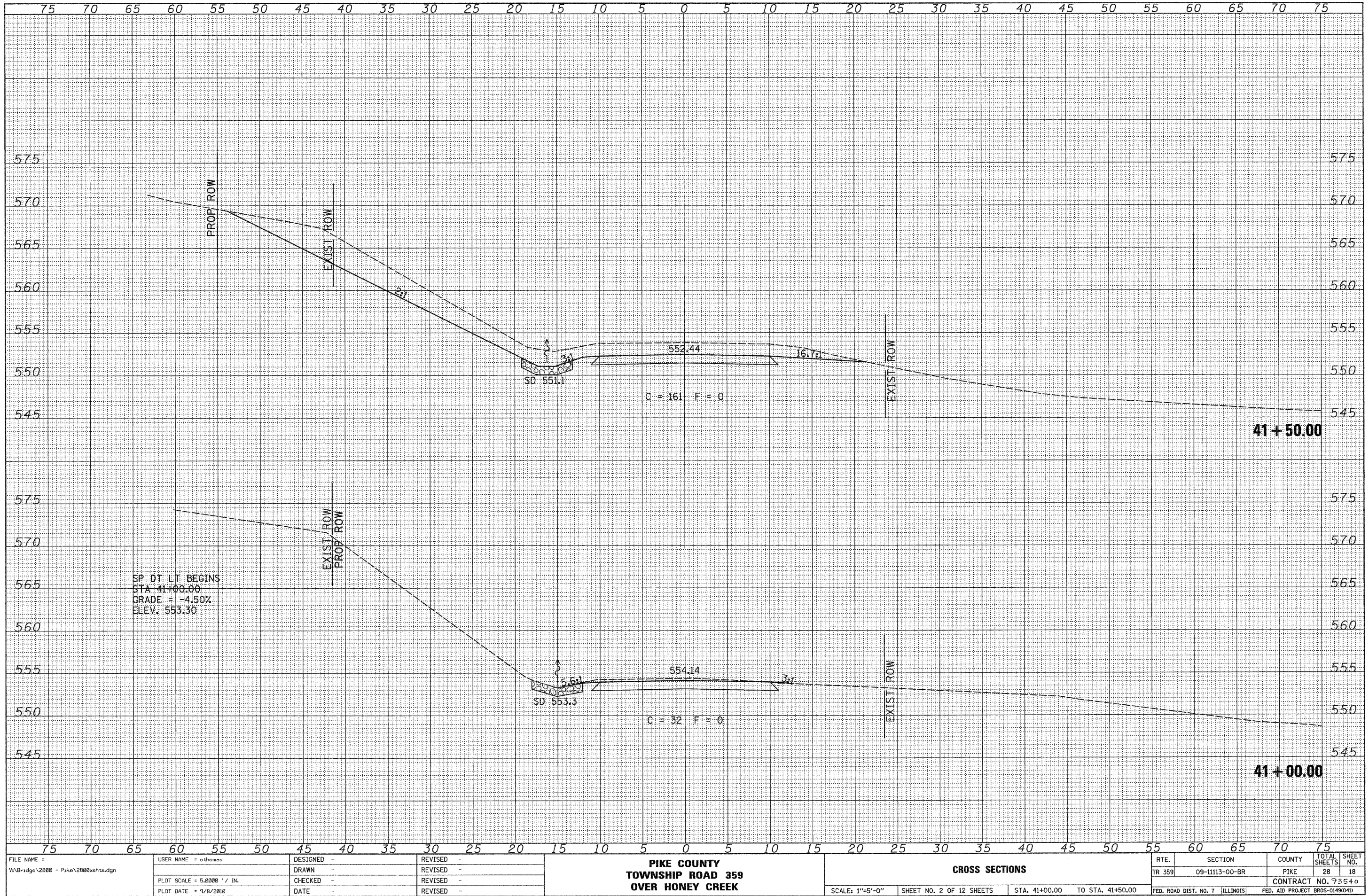
**PIKE COUNTY
 TOWNSHIP ROAD 359
 OVER HONEY CREEK**

CROSS SECTIONS
 SCALE: 1"=5'-0"
 SHEET NO. 1 OF 12 SHEETS
 STA. 40+00.00 TO STA. 40+50.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 359	09-11113-00-BR	PIKE	28	17
CONTRACT NO. 73540			FED. ROAD DIST. NO. 7 ILLINOIS	
FED. AID PROJECT BR05-0149(041)				

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

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



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PLOT DATE = 9/8/2010	DATE -	REVISED -

**PIKE COUNTY
TOWNSHIP ROAD 359
OVER HONEY CREEK**

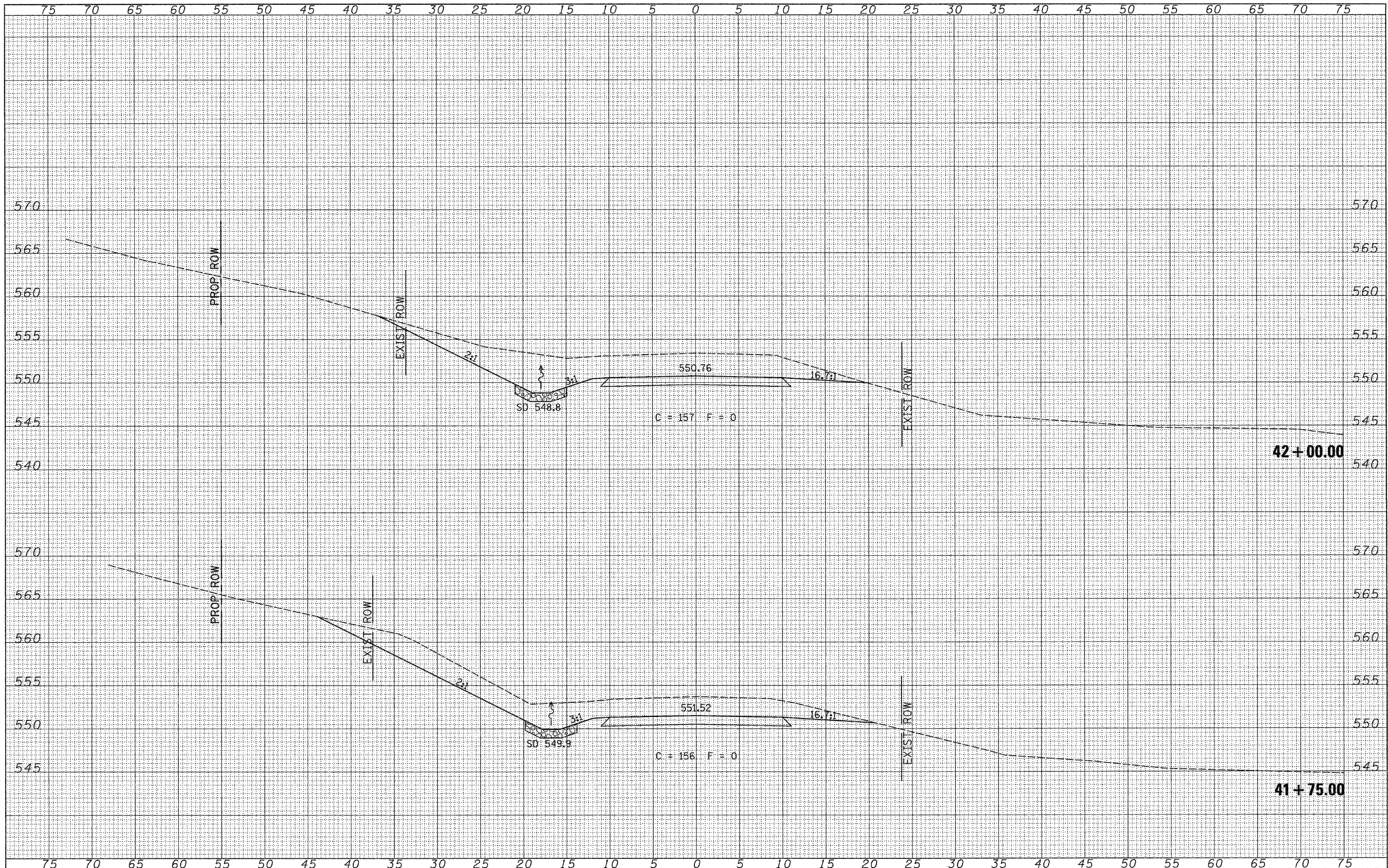
CROSS SECTIONS

SCALE: 1"=5'-0" SHEET NO. 2 OF 12 SHEETS STA. 41+00.00 TO STA. 41+50.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 359	09-11113-00-BR	PIKE	28	18
CONTRACT NO. 73540				
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT BROS-014904D	

BY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

BY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



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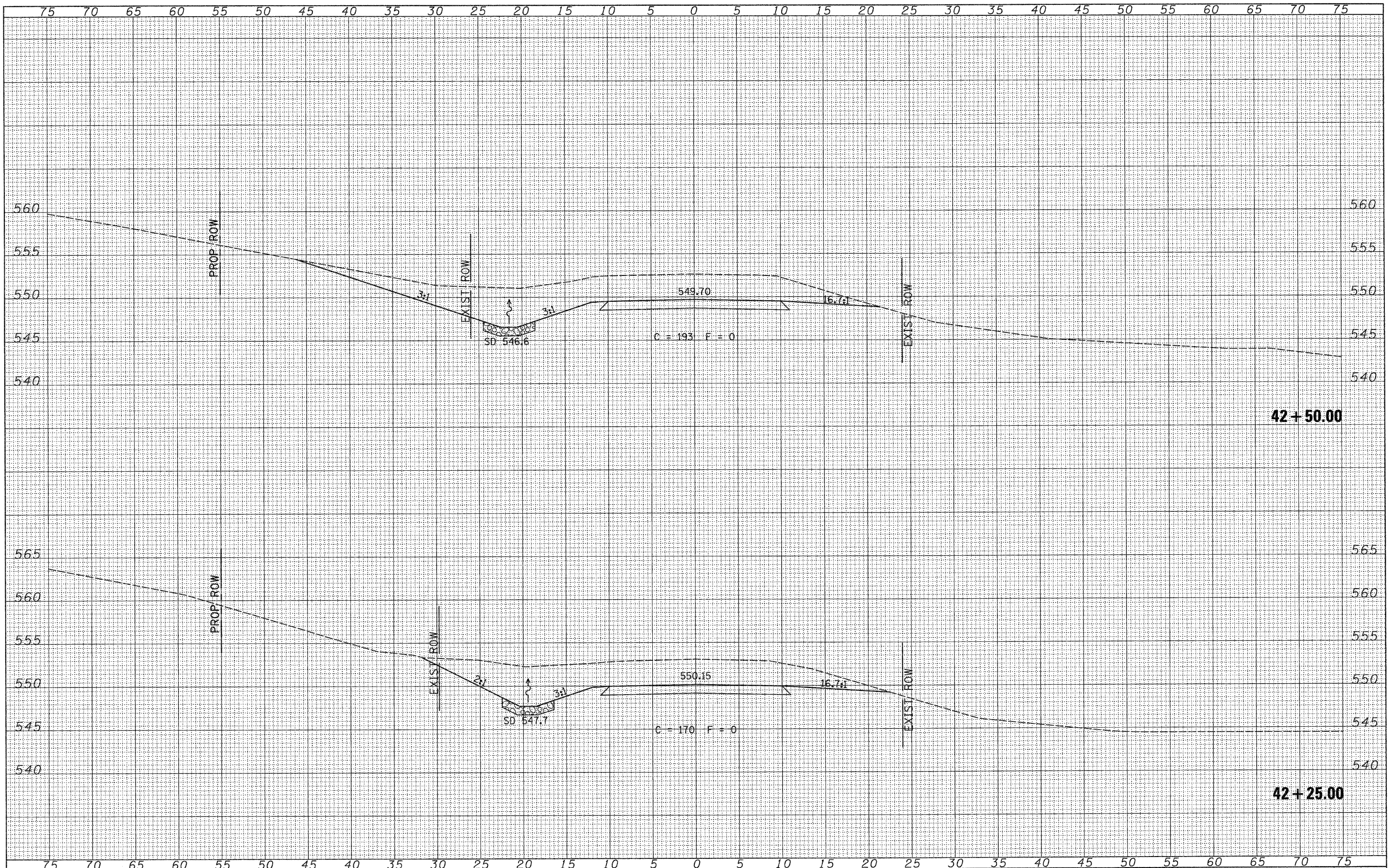
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	DRAWN -	REVISED -
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PLOT DATE = 9/8/2010	DATE -	REVISED -

**PIKE COUNTY
 TOWNSHIP ROAD 359
 OVER HONEY CREEK**

SCALE: 1"=5'-0" SHEET NO. 3 OF 12 SHEETS STA. 41+75.00 TO STA. 42+00.00

CROSS SECTIONS

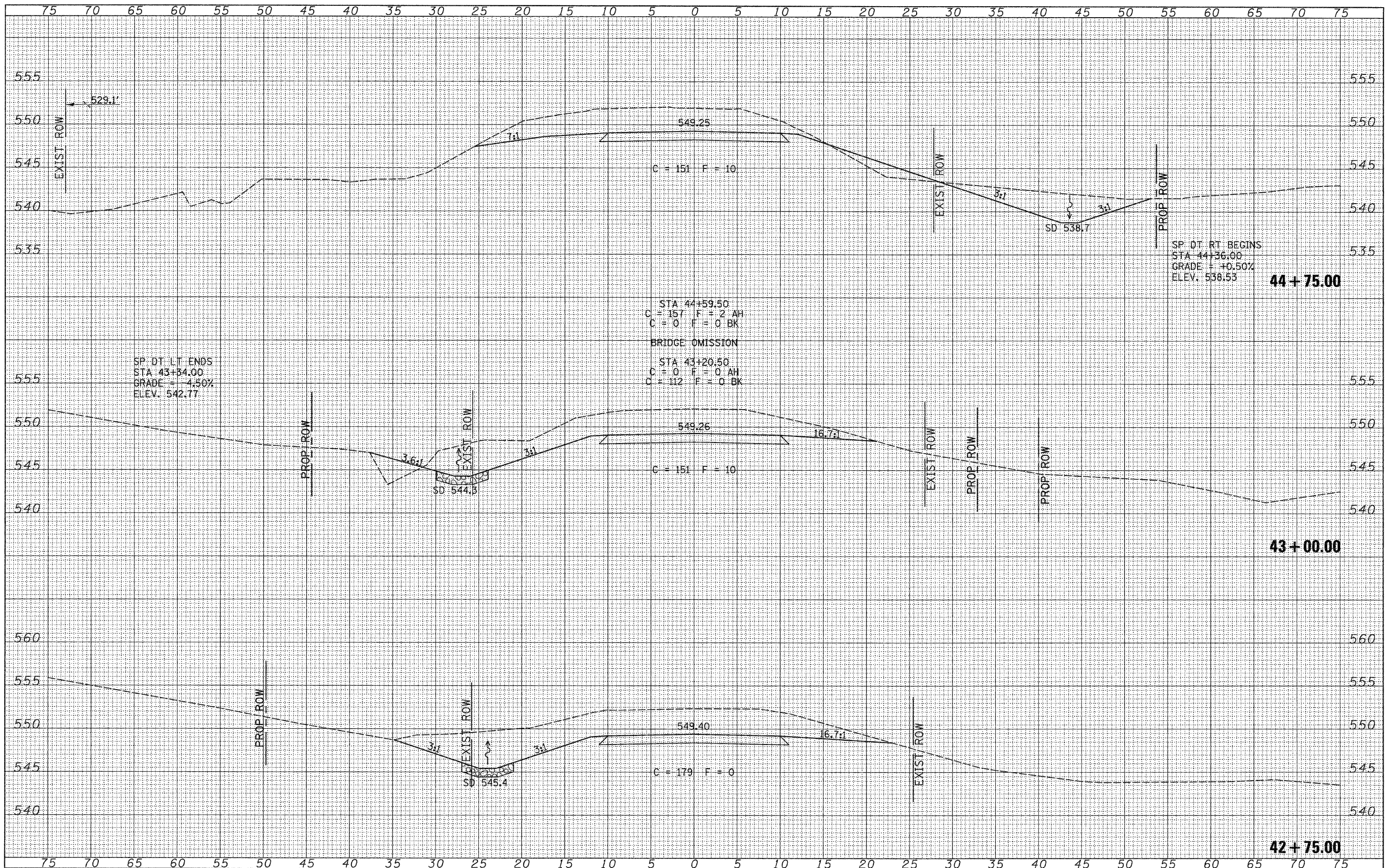
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 359	09-11113-00-BR	PIKE	28	19
CONTRACT NO. 73576				
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT BR05-0149(041)		



BY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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BY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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	PLOT SCALE = 5,000' / IN.	DRAWN -	REVISED -		SCALE: 1"=5'-0"	SHEET NO. 4 OF 12 SHEETS	STA. 42+25.00 TO STA. 42+50.00	TR 359	09-11113-00-BR	PIKE	28	20
	PLOT DATE = 9/8/2010	CHECKED -	REVISED -					CONTRACT NO. 93540				
		DATE -	REVISED -					FED. ROAD DIST. NO. 7		ILLINOIS		



DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

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CHECKED -	REVISED -
DATE -	REVISED -

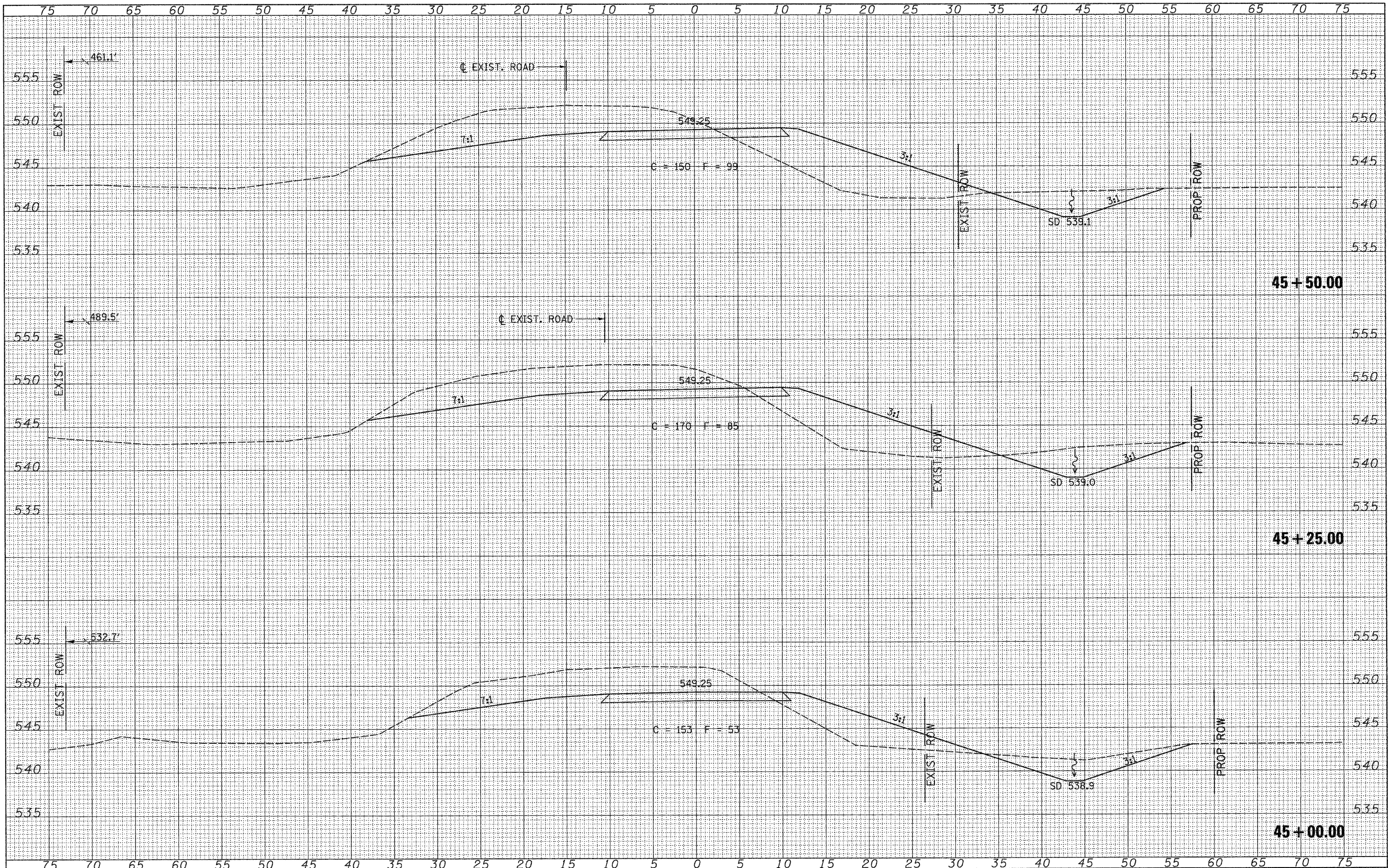
**PIKE COUNTY
TOWNSHIP ROAD 359
OVER HONEY CREEK**

CROSS SECTIONS
 SCALE: 1"=5'-0"
 SHEET NO. 5 OF 12 SHEETS
 STA. 42+75.00 TO STA. 44+75.00

RTE.	SECTION	COUNTY	TOTAL SHEETS
TR 359	09-11113-00-BR	PIKE	28
CONTRACT NO. 93540			21
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT BR05-01491041			

DATE	
BY	
FINAL SURVEY	
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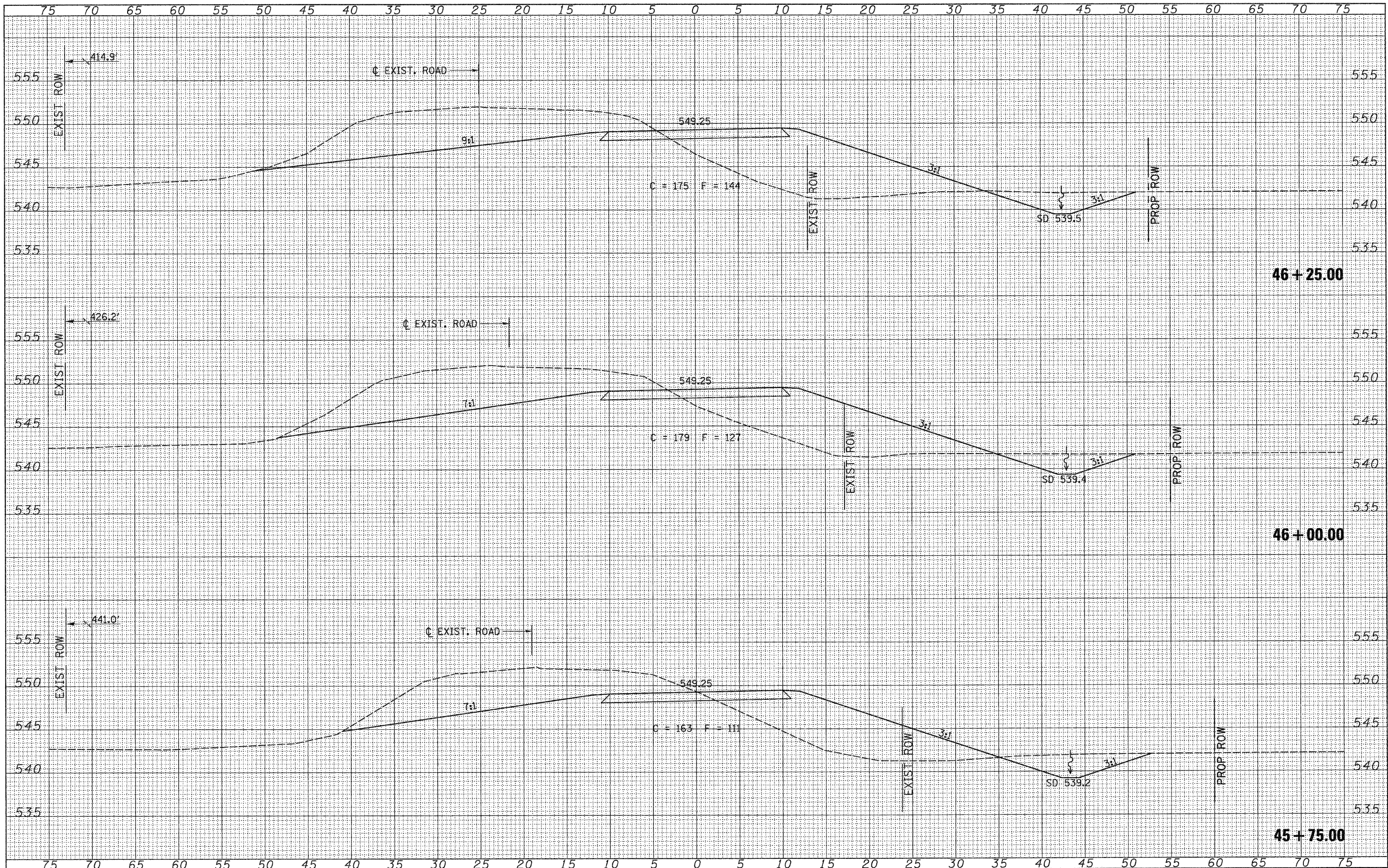
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NOTE BOOK	
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SURVEYED	
PLATE	
AREAS CHECKED	



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	PLLOT SCALE = 5.0000' / IN.	CHECKED -	REVISED -		SCALE: 1"=5'-0"	SHEET NO. 6 OF 12 SHEETS	STA. 45+00.00 TO STA. 45+50.00	FED. ROAD DIST. NO. 7	ILLINOIS	CONTRACT NO. 93540		
	PLLOT DATE = 9/8/2010	DATE -	REVISED -									

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	

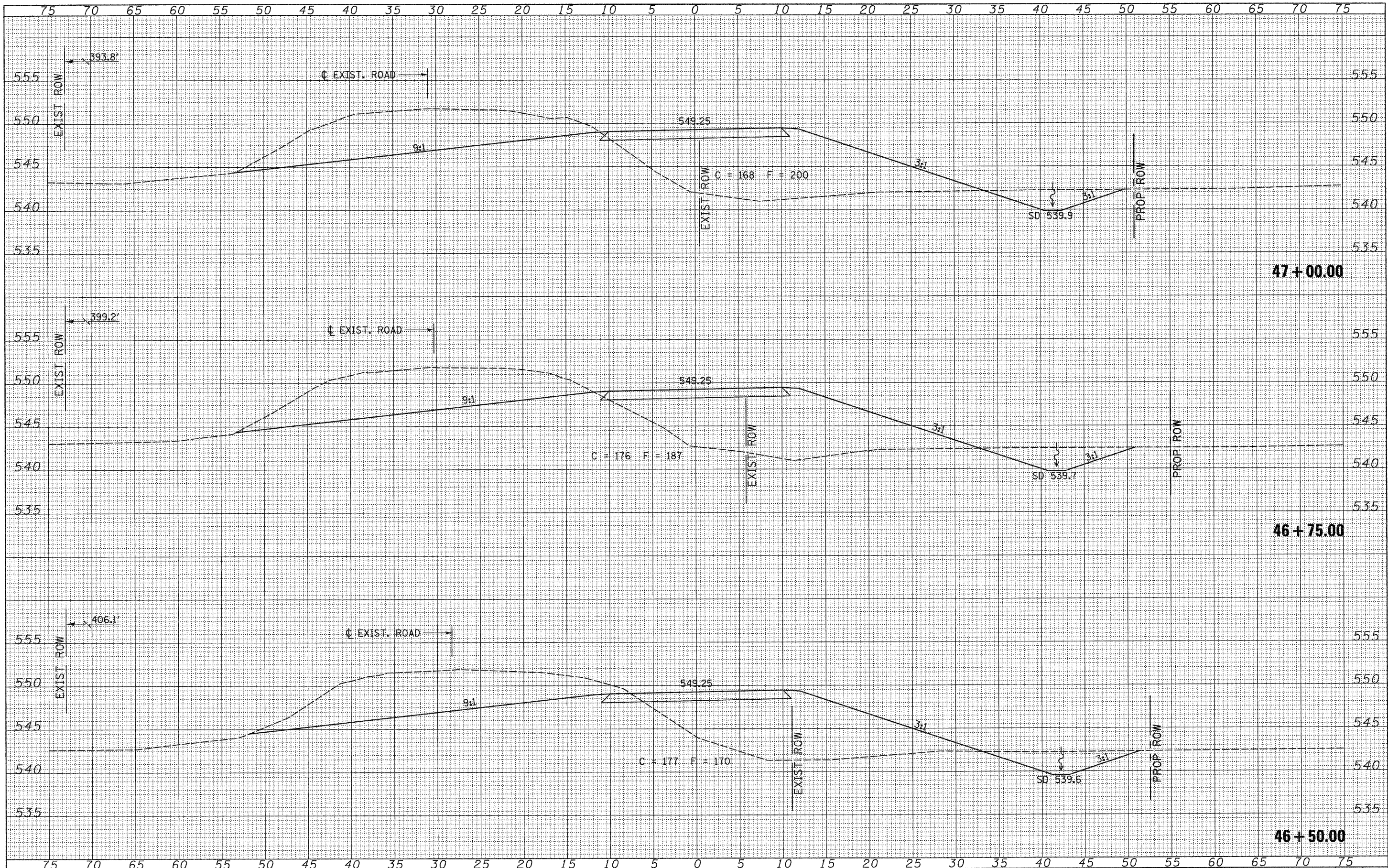
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BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
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V:\Bridge\2800 - Pike\2800.shts.dgn		DRAWN -	REVISED -		SCALE: 1"=5'-0"	SHEET NO. 7 OF 12 SHEETS	STA. 45+75.00 TO STA. 46+25.00	TR 359	09-11113-00-BR	PIKE	28 23
		CHECKED -	REVISED -					CONTRACT NO. 73540			
		DATE -	REVISED -					FED. ROAD DIST. NO. 7 ILLINOIS			

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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USER NAME = othomas
 PLLOT SCALE = 5.0000' / IN.
 PLOT DATE = 9/8/2010

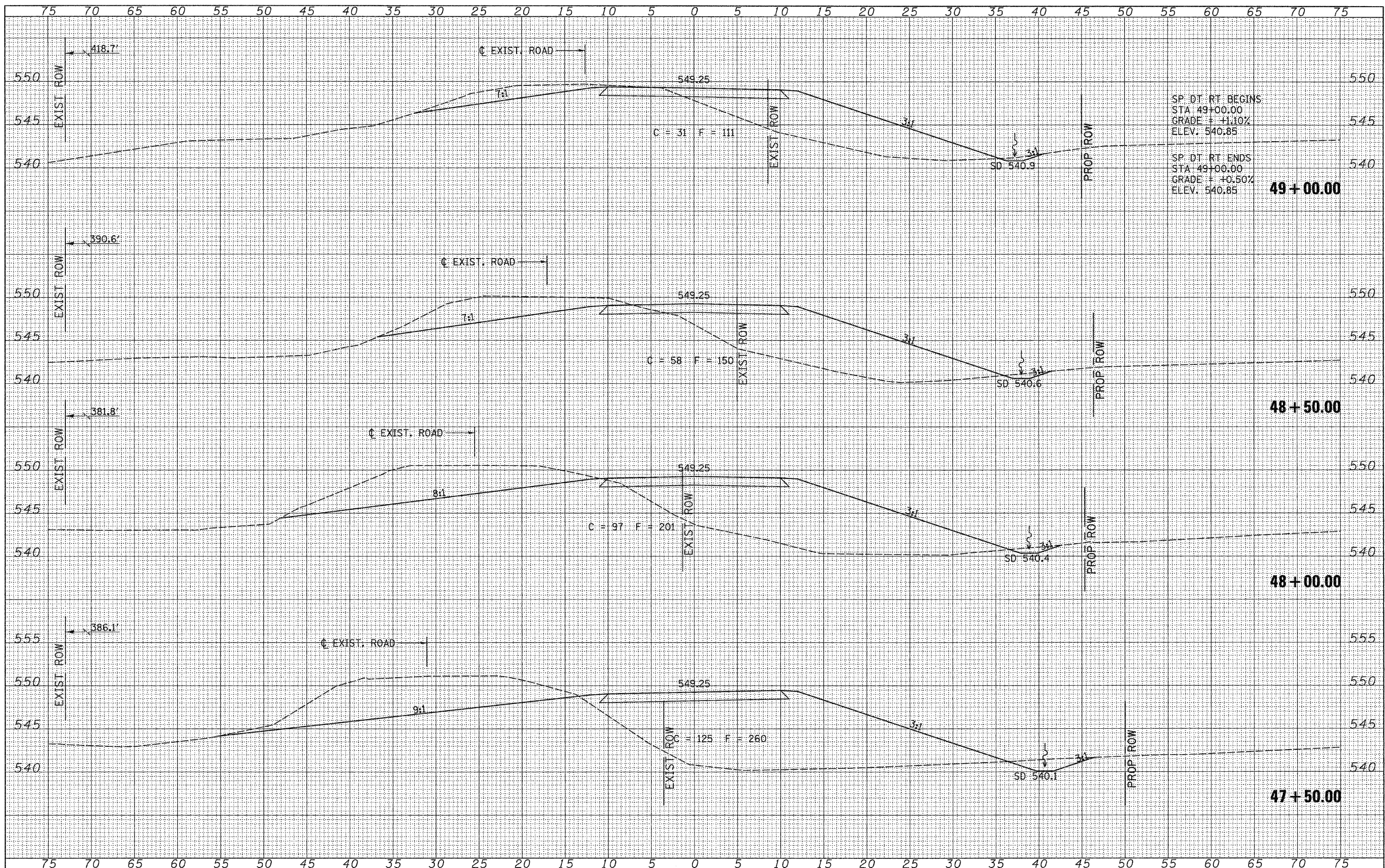
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**PIKE COUNTY
 TOWNSHIP ROAD 359
 OVER HONEY CREEK**

CROSS SECTIONS

SCALE: 1"=5'-0" SHEET NO. 8 OF 12 SHEETS STA. 46+50.00 TO STA. 47+00.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 359	09-11113-00-BR	PIKE	28	24
CONTRACT NO. 93540				
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT BROS-014904D	



DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
NO.	

FILE NAME =
 V:\Bridge\2800 - Pike\2800\shht.dgn

USER NAME = othomas	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLLOT SCALE = 5,0000' / IN.	CHECKED -	REVISED -
PLLOT DATE = 9/8/2010	DATE -	REVISED -

**PIKE COUNTY
 TOWNSHIP ROAD 359
 OVER HONEY CREEK**

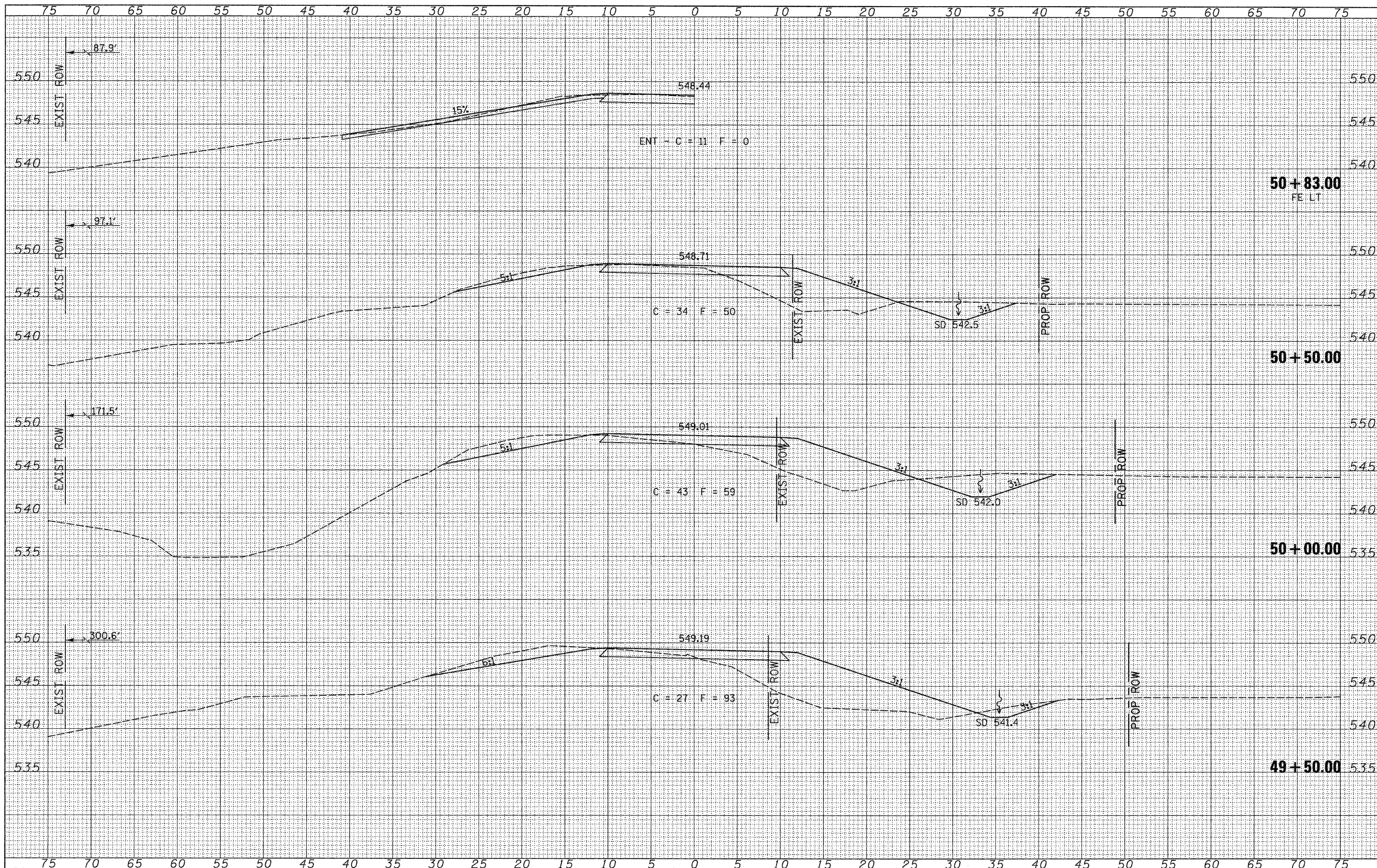
CROSS SECTIONS

SCALE: 1"=5'-0" SHEET NO. 9 OF 12 SHEETS STA. 47+50.00 TO STA. 49+00.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 359	09-1113-00-BR	PIKE	28	25
CONTRACT NO. 93540				
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT BR05-0149(041)	

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREA CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREA CHECKED	
NO.	



FILE NAME =
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USER NAME = othomas	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 5.0000' / IN.	CHECKED -	REVISED -
PLOT DATE = 9/8/2010	DATE -	REVISED -

**PIKE COUNTY
TOWNSHIP ROAD 359
OVER HONEY CREEK**

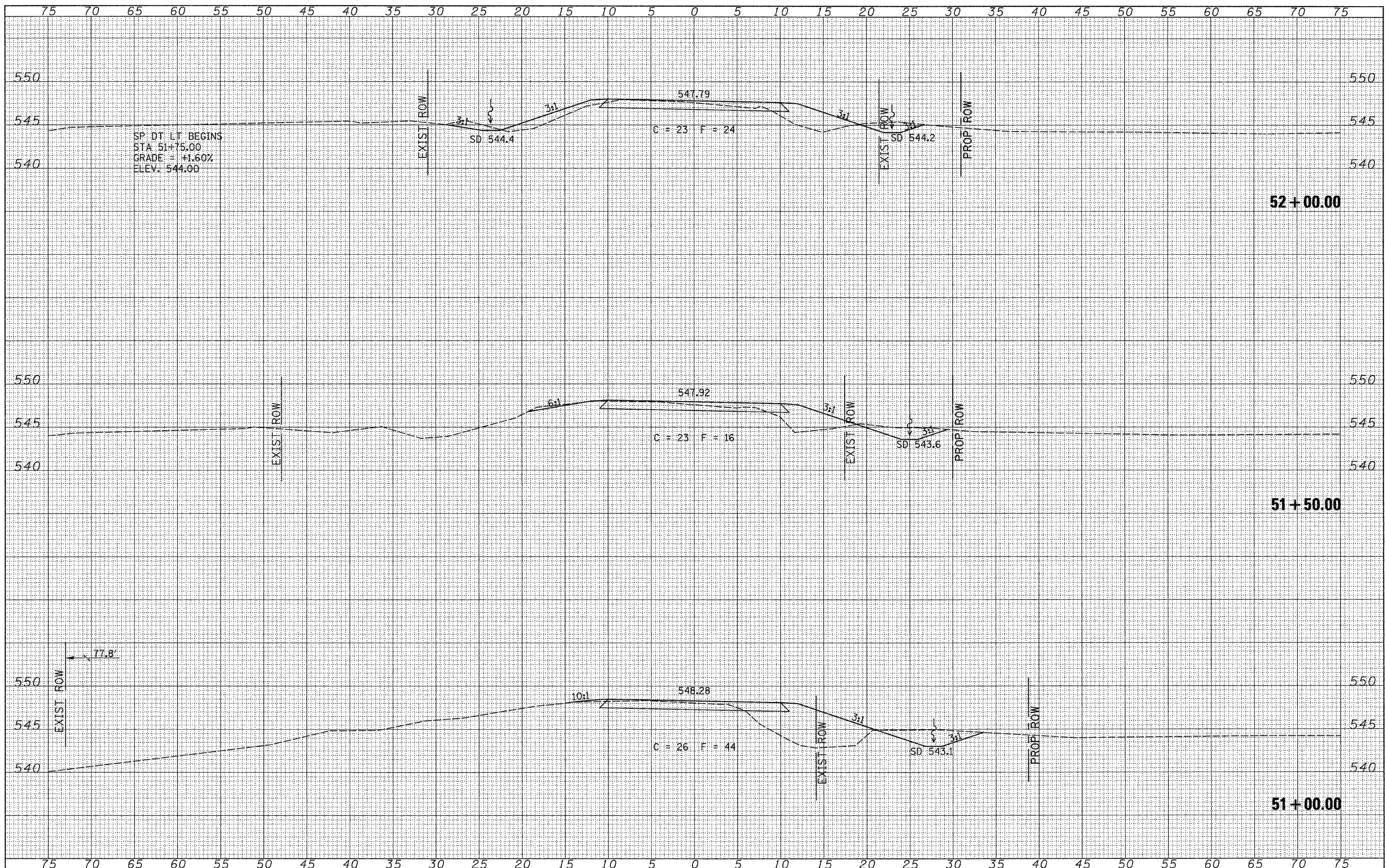
CROSS SECTIONS

SCALE: 1"=5'-0" SHEET NO. 10 OF 12 SHEETS STA. 49+50.00 TO STA. 50+83.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 359	09-11113-00-BR	PIKE	28	26
CONTRACT NO. 93540			FED. ROAD DIST. NO. 7 ILLINOIS	
FED. AID PROJECT BR05-0149(041)				

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = V:\Bridges\2800 - Pike\2800\shsta.dgn	USER NAME = cthomas	DESIGNED -	REVISED -	PIKE COUNTY TOWNSHIP ROAD 359 OVER HONEY CREEK	CROSS SECTIONS			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		TR 359	09-1113-00-BR	PIKE	28	27			
		CHECKED -	REVISED -		CONTRACT NO. 93546							
		DATE -	REVISED -		SCALE: 1"=5'-0"	SHEET NO. 11 OF 12 SHEETS	STA. 51+00.00 TO STA. 52+00.00	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT BR05-0149041		

