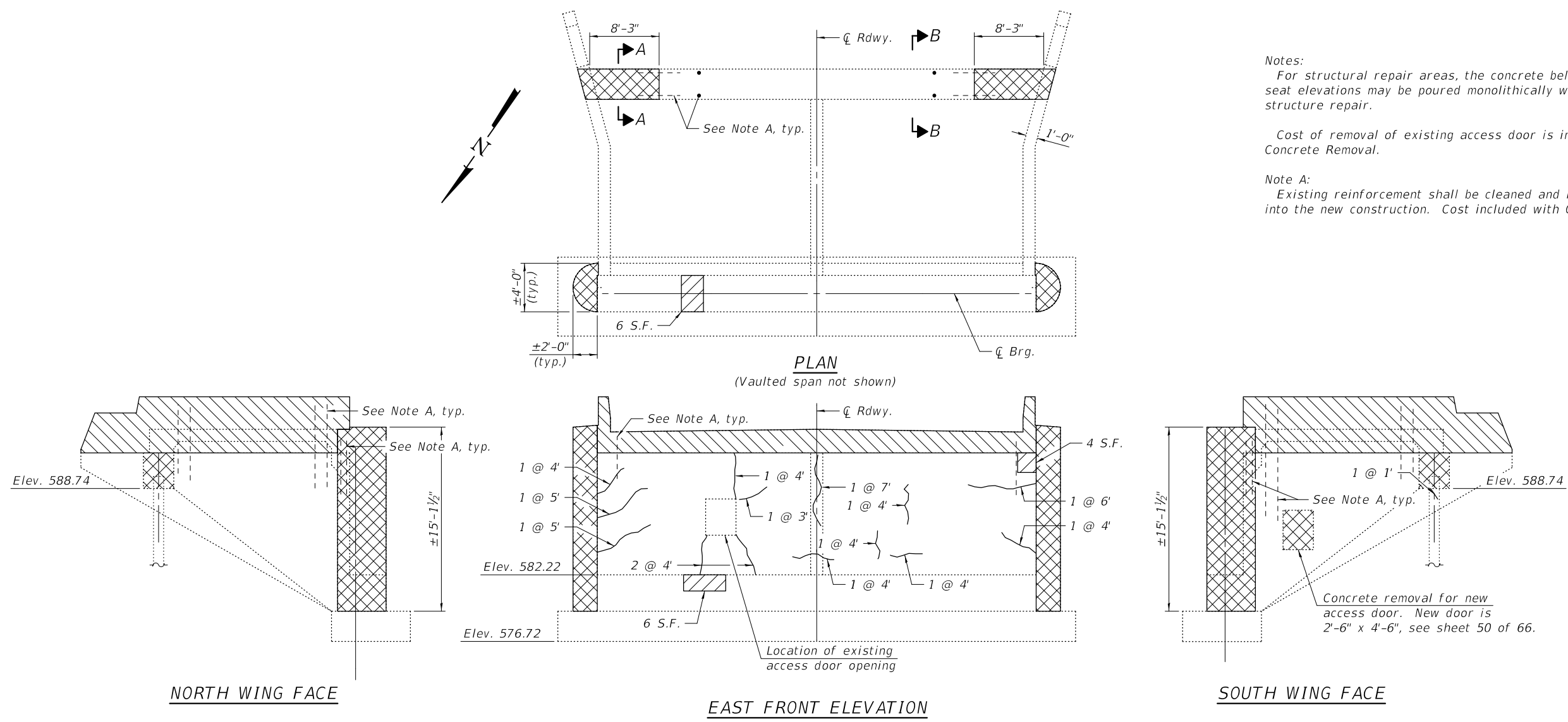
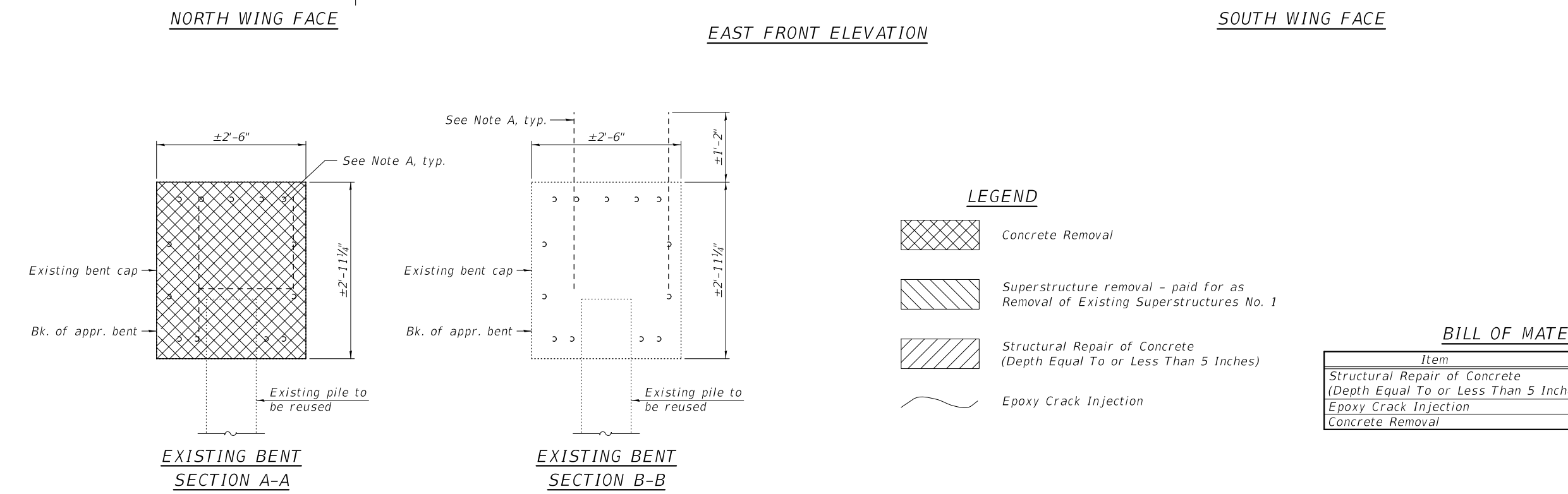


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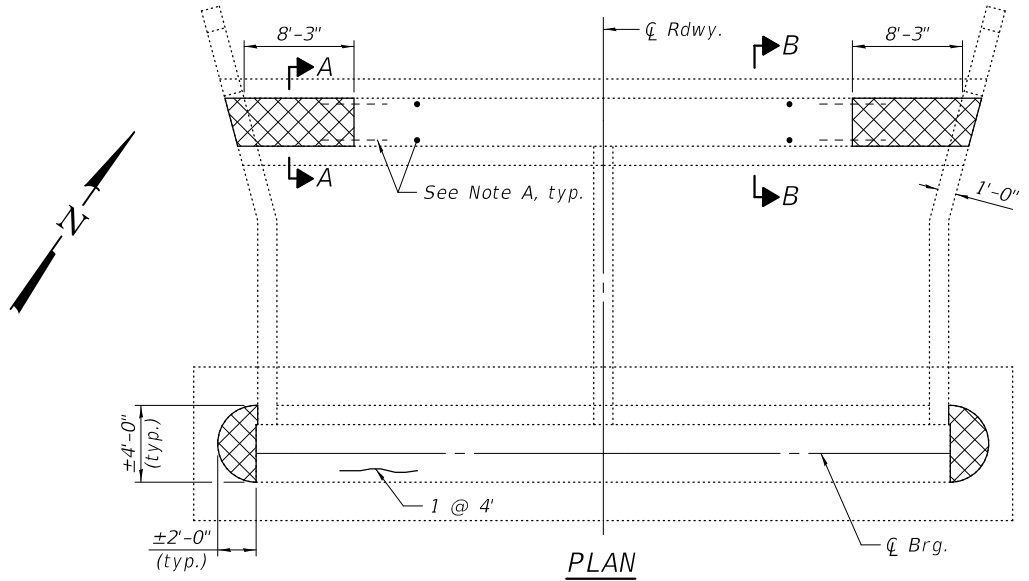
Notes:
 For structural repair areas, the concrete below the bearing seat elevations may be poured monolithically with the concrete structure repair.
 Cost of removal of existing access door is included with Concrete Removal.
 Note A:
 Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.



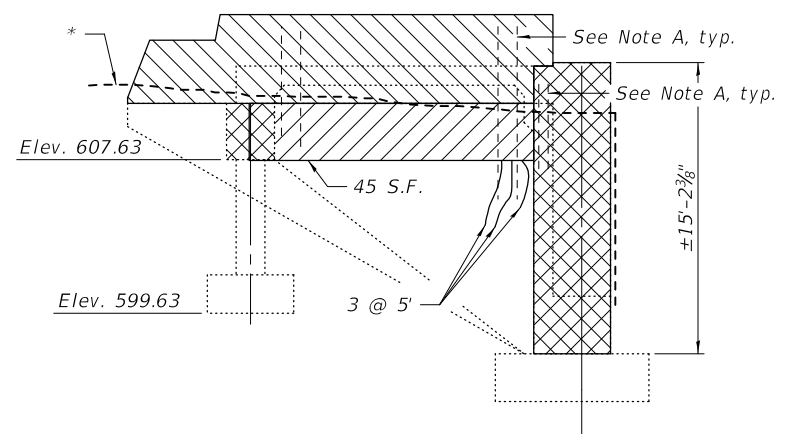
BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	16
Epoxy Crack Injection	Foot	63
Concrete Removal	Cu. Yd.	12.3

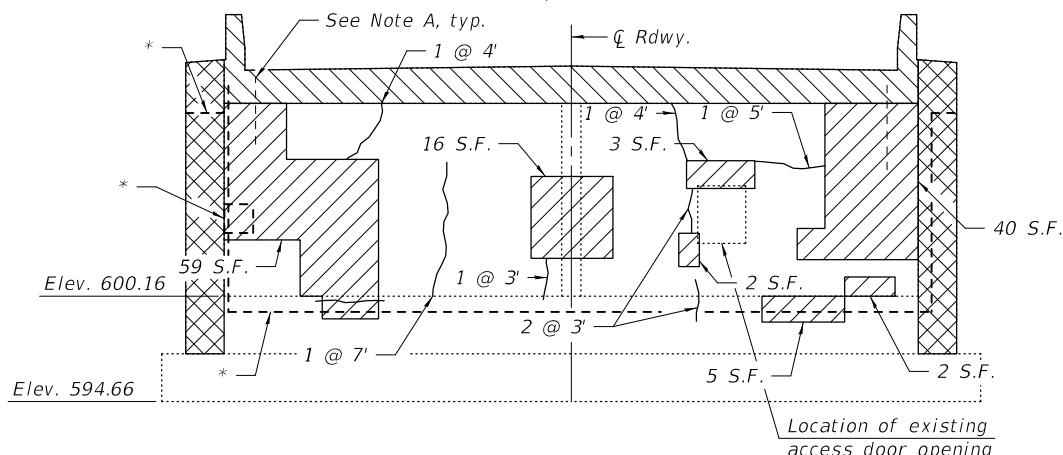
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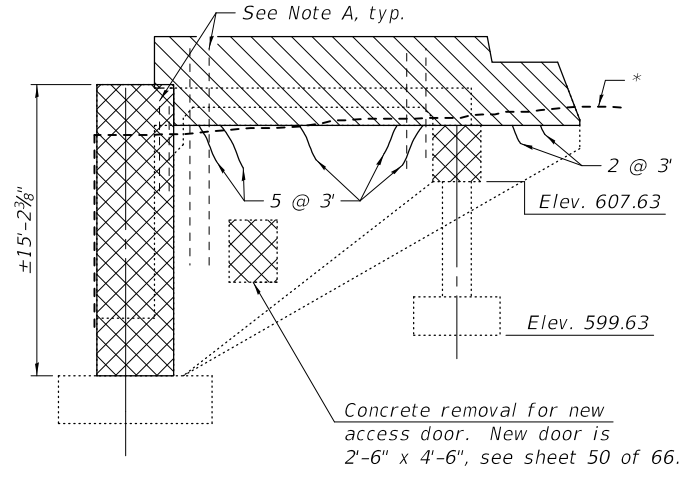
Notes:
 * Existing conduit and electrical boxes to be removed. Cost included with Removal of Existing Superstructures No. 2.
 For structural repair areas, the concrete below the bearing seat elevations may be poured monolithically with the concrete structure repair.
 Cost of removal of existing access door is included with Concrete Removal.
 Note A:
 Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.



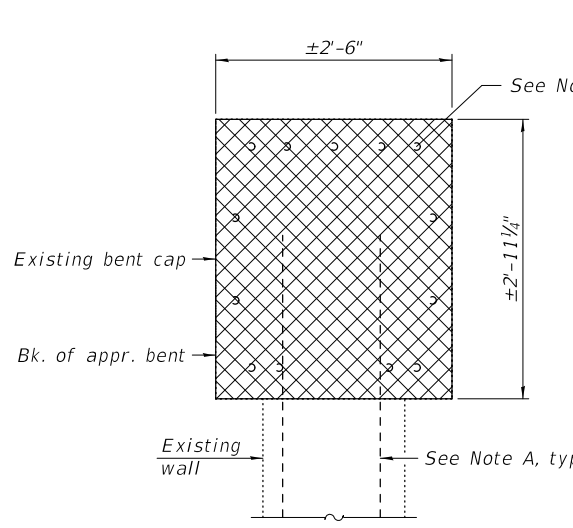
SOUTH WING FACE



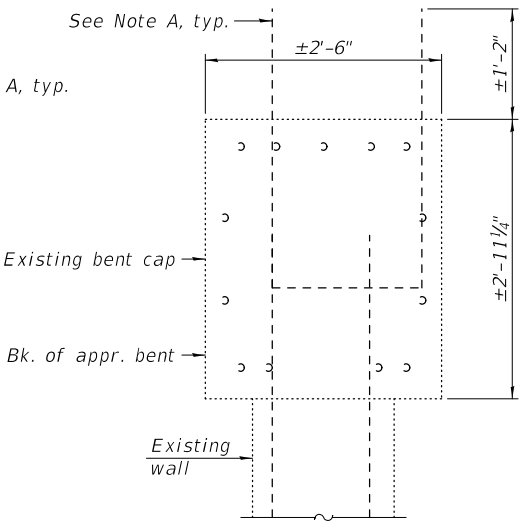
WEST FRONT ELEVATION



NORTH WING FACE



EXISTING BENT SECTION A-A



EXISTING BENT SECTION B-B

LEGEND

	Concrete Removal
	Superstructure removal - paid for as Removal of Existing Superstructures No. 2
	Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)
	Epoxy Crack Injection

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	172
Epoxy Crack Injection	Foot	69
Concrete Removal	Cu. Yd.	12.4

DESIGNED - CRYSTAL D. STONE	EXAMINED
CHECKED - JASON A. KERN	PASSED
DRAWN - DENNIS A. POP	
CHECKED - C.D.S. / J.A.K. / S.E.M.	

DATE - July 2, 2020
 ENGINEER OF BRIDGES AND STRUCTURES
 ENGINEER OF BRIDGES AND STRUCTURES

REVISD -
REVISD -

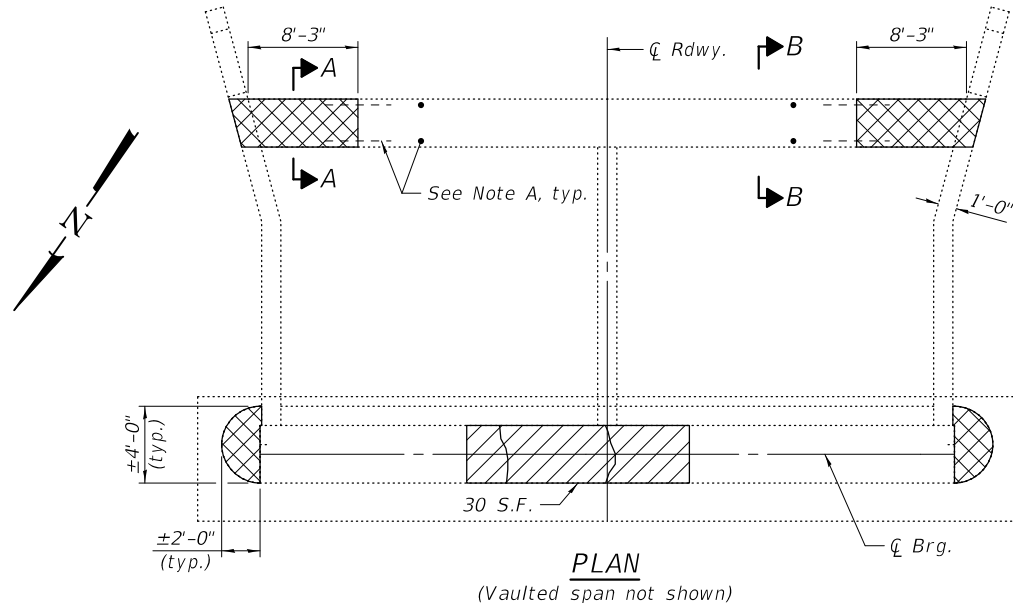
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**WEST ABUTMENT REPAIRS and CONCRETE REMOVAL
 STRUCTURE NO. 092-0006**

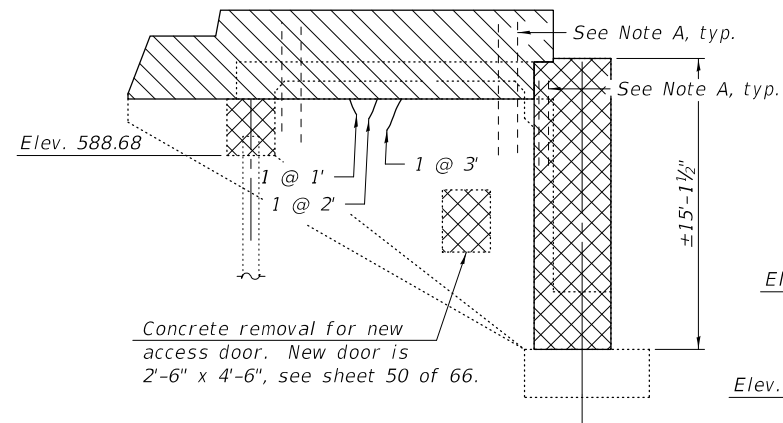
SHEET 46 OF 66 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	102
CONTRACT NO. 70A92				
ILLINOIS FED. AID PROJECT				

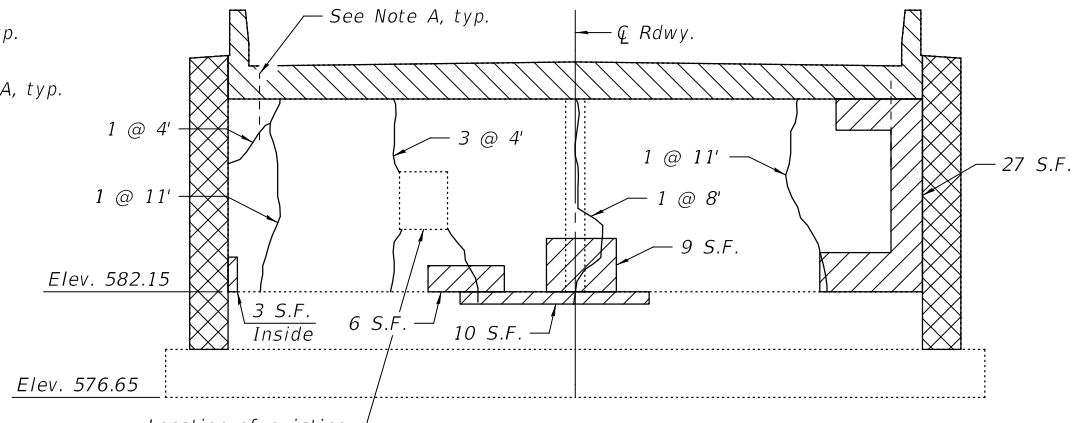
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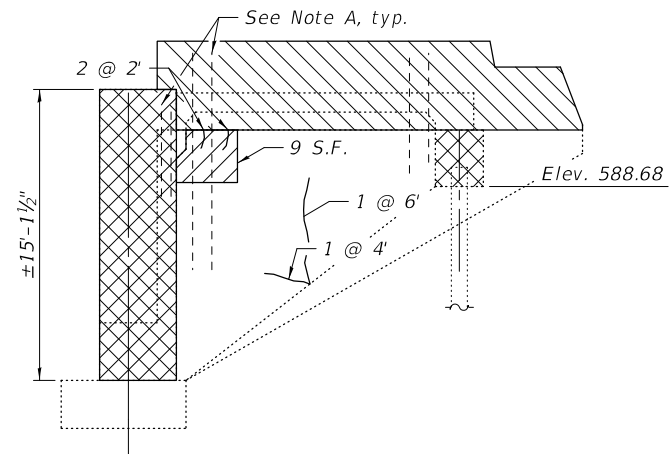
Notes:
 For structural repair areas, the concrete below the bearing seat elevations may be poured monolithically with the concrete structure repair.
 Cost of removal of existing access door is included with Concrete Removal.
 Note A:
 Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.



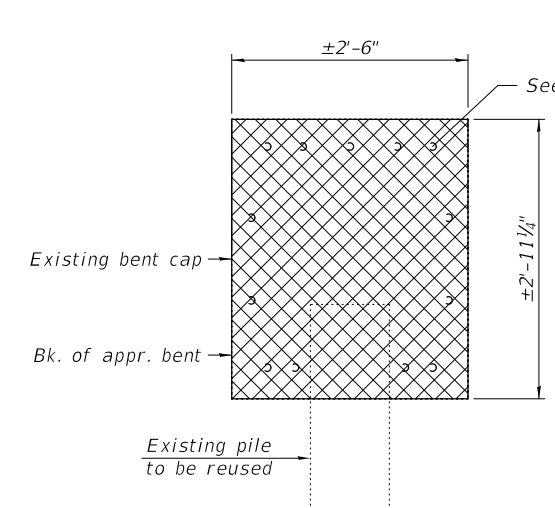
NORTH WING FACE



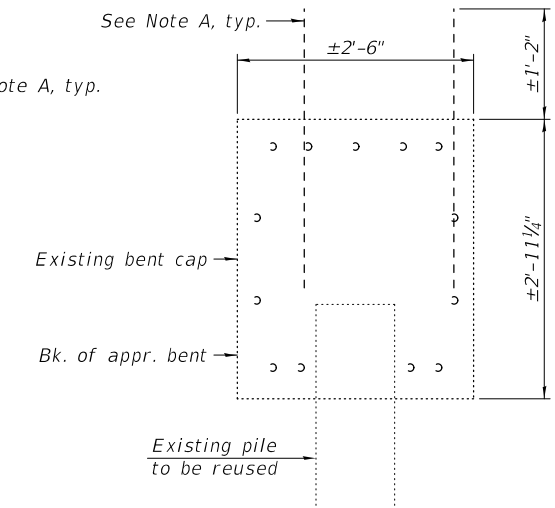
EAST FRONT ELEVATION



SOUTH WING FACE



EXISTING BENT SECTION A-A



EXISTING BENT SECTION B-B

LEGEND

- Concrete Removal
- Superstructure removal - paid for as Removal of Existing Superstructures No. 2
- Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)
- Epoxy Crack Injection

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	94
Epoxy Crack Injection	Foot	66
Concrete Removal	Cu. Yd.	12.3

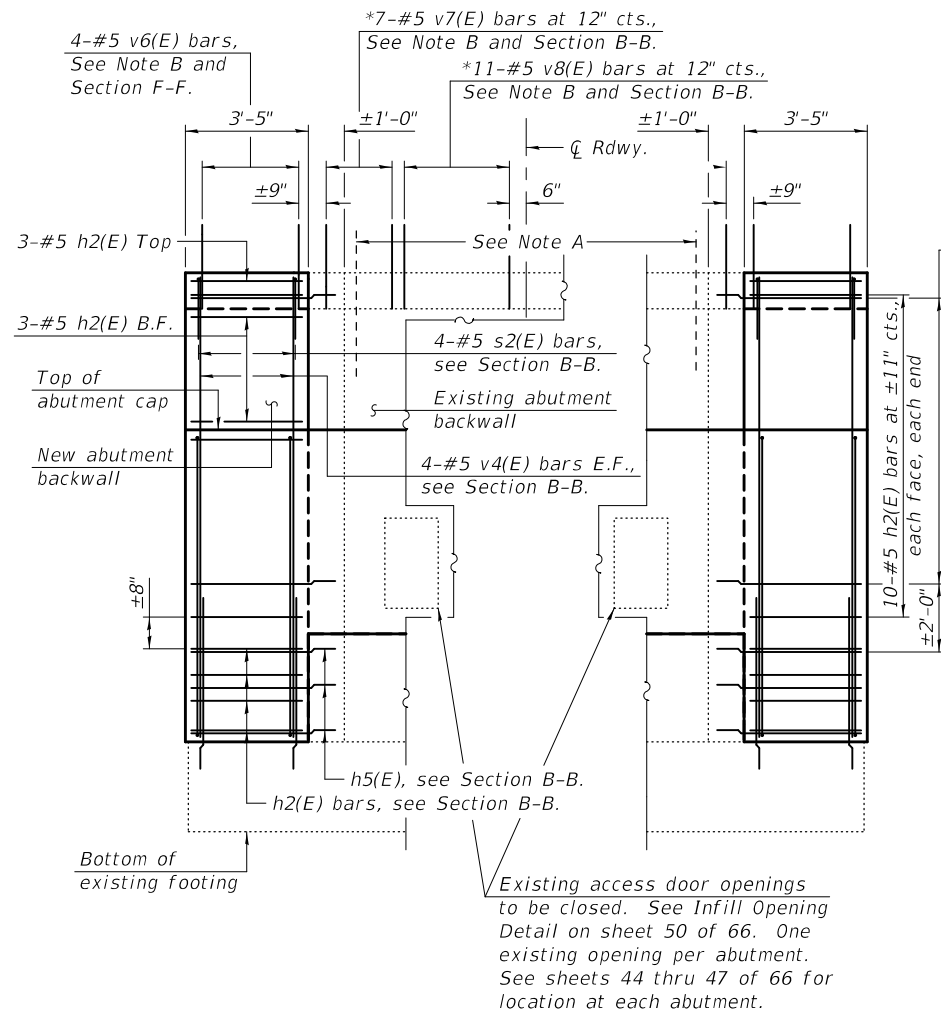
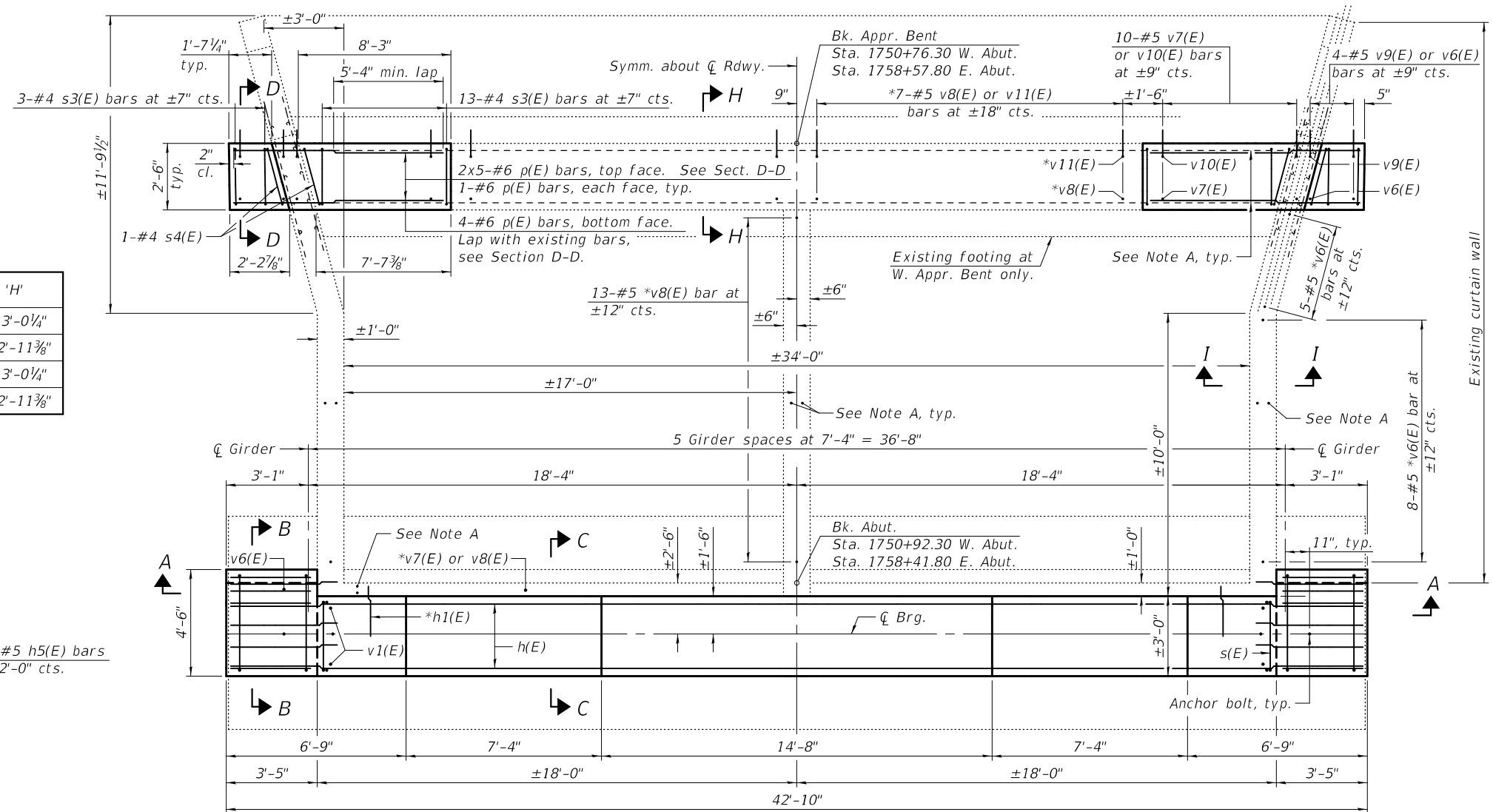
Notes:

Note A - Existing reinforcement shall be cleaned and incorporated into the new construction.
 Note B - Locate the v8(E) bars to miss the modular joint support boxes. See sheet 31 of 66 and shop drawings for modular expansion joint details.
 Space reinforcement in abutment to miss anchor bolts. See Section B-B.
 For Section B-B thru D-D and Section I-I, see sheet 49 of 66.

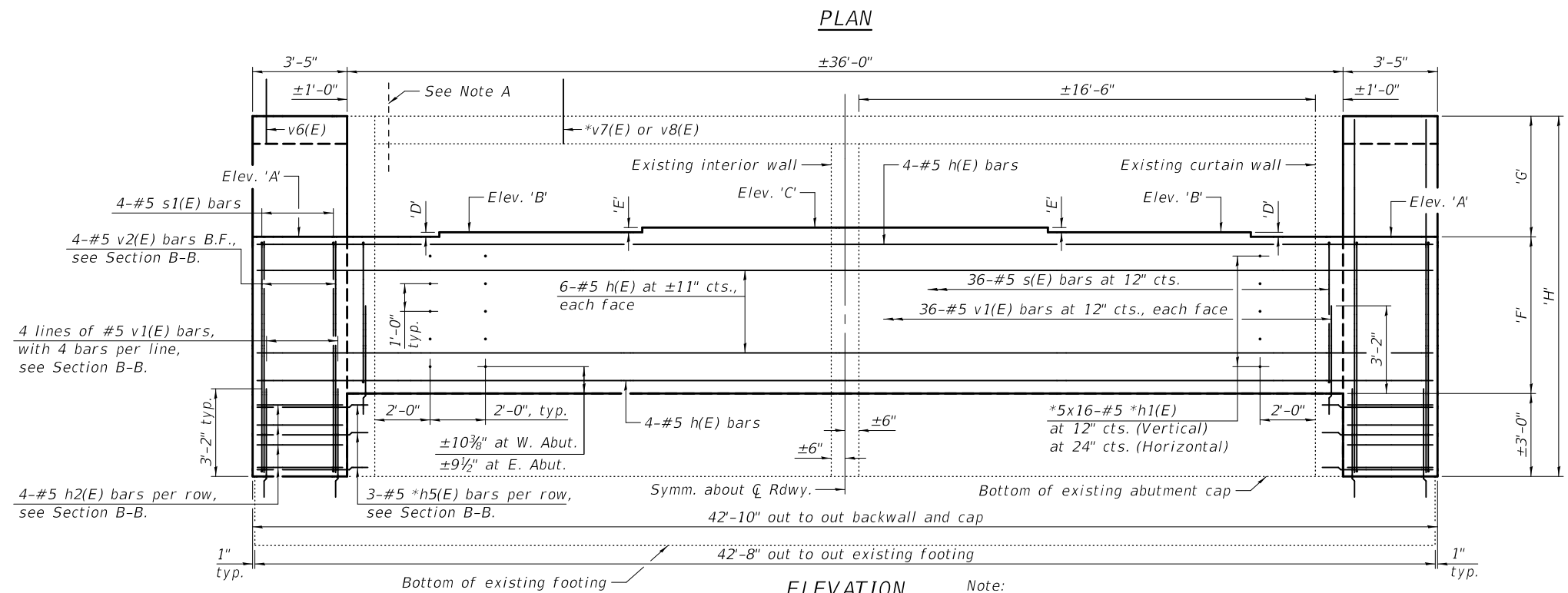
* Drill and grout h1(E), h5(E), v1(E), v6(E), v7(E), v8(E) and v11(E) bars to minimum depth shown according to Article 584 of the Standard Specifications.

ELEVATIONS AND DIMENSIONS TABLE

Location	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'
SN 092-0007 W. Abut.	606.88	607.02	607.13	1 3/4"	1 1/4"	±6'-10 3/8"	±3'-1 7/8"	±13'-0 1/4"
SN 092-0007 E. Abut.	589.01	589.15	589.26	1 5/8"	1 3/8"	±6'-9 1/2"	±3'-1 7/8"	±12'-11 3/8"
SN 092-0006 W. Abut.	606.88	607.02	607.13	1 3/4"	1 1/4"	±6'-8 5/8"	±3'-3 3/8"	±13'-0 1/4"
SN 092-0006 E. Abut.	589.01	589.15	589.26	1 5/8"	1 3/8"	±6'-10 1/4"	±3'-1 1/8"	±12'-11 3/8"



SECTION A-A



ELEVATION

Note: For elevations 'A', 'B' and 'C' and dimensions 'E', 'F', 'G' and 'H', see table.

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DESIGNED - CRYSTAL D. STONE
 CHECKED - JASON A. KERN
 DRAWN - DENNIS A. POP
 CHECKED - C.D.S. / J.A.K. / S.E.M.

EXAMINED
 PASSED
Joanne F. Joffe
 ENGINEER OF BRIDGE DESIGN
Carl Kopp
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - July 2, 2020
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ABUTMENT
 STRUCTURE NO. 092-0006 & 092-0007**

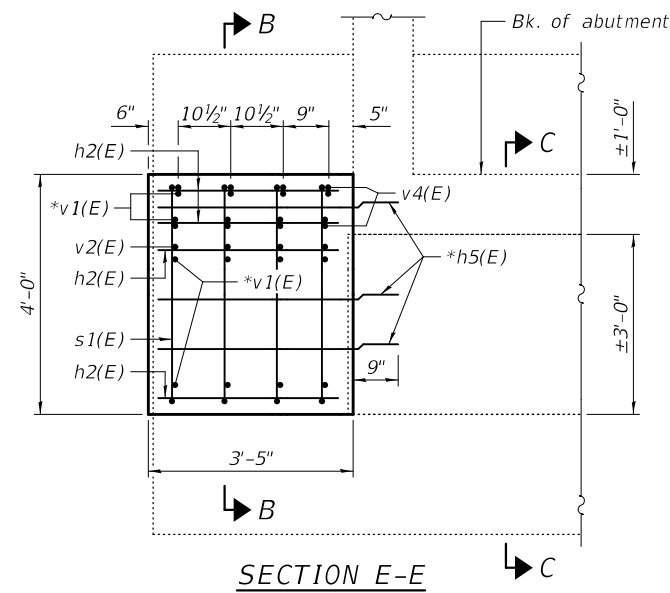
SHEET 48 OF 66 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	104

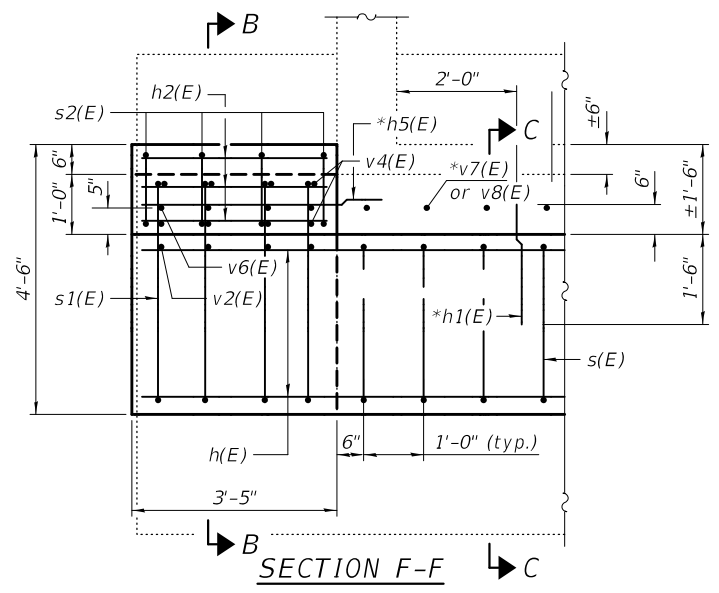
CONTRACT NO. 70A92

ILLINOIS FED. AID PROJECT

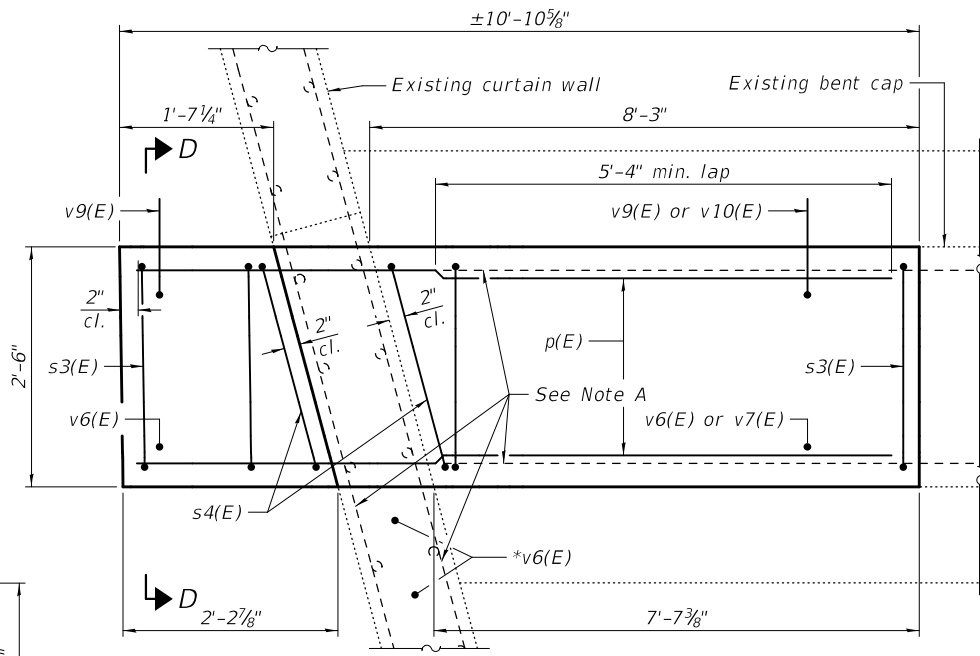
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SECTION E-E



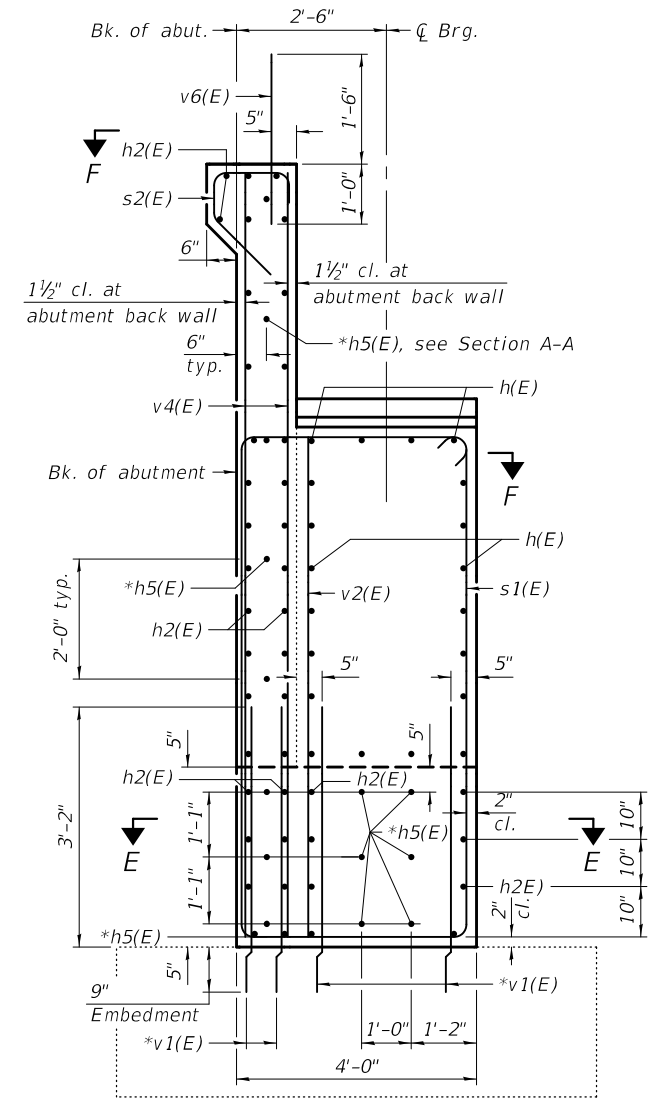
SECTION F-F



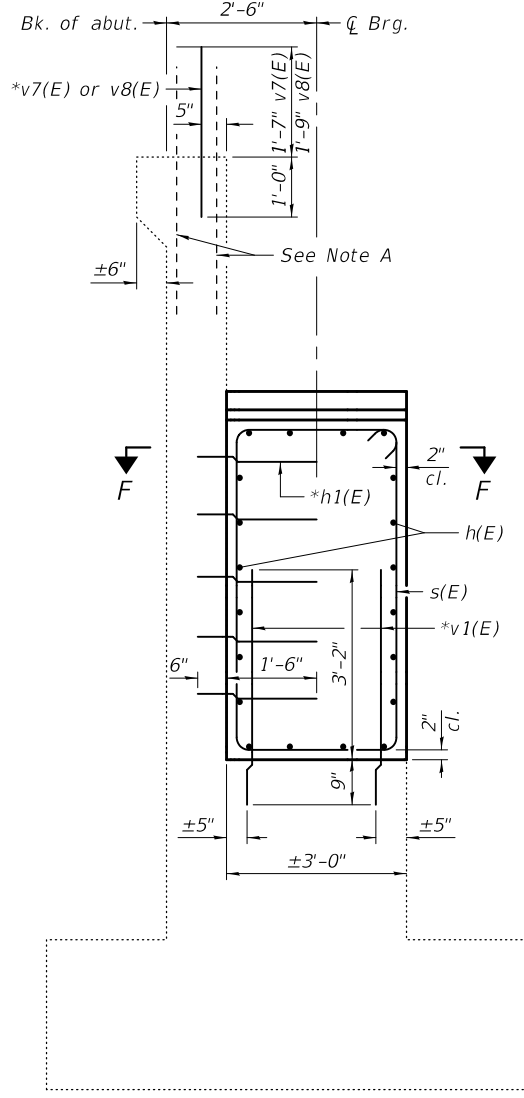
VIEW G-G

Note A:
 Existing reinforcement shall be cleaned and incorporated into the new construction.

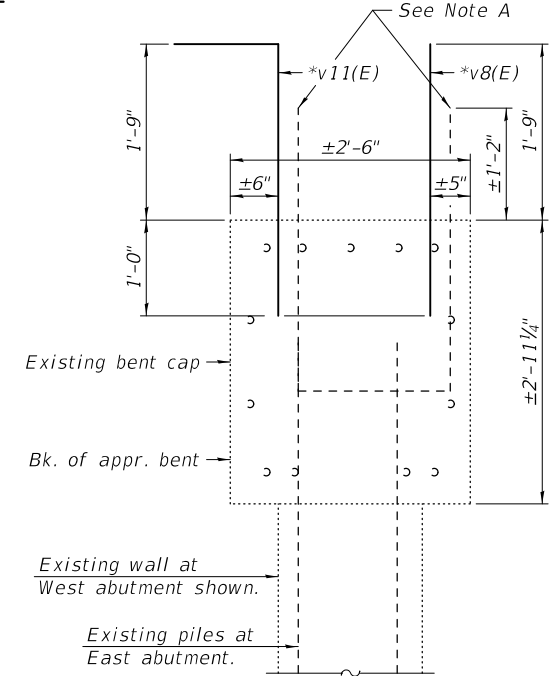
* Drill and grout h1(E), h5(E), v1(E), v6(E), v7(E), v8(E) and v11(E) bars to minimum depth shown according to Article 584 of the Standard Specifications.



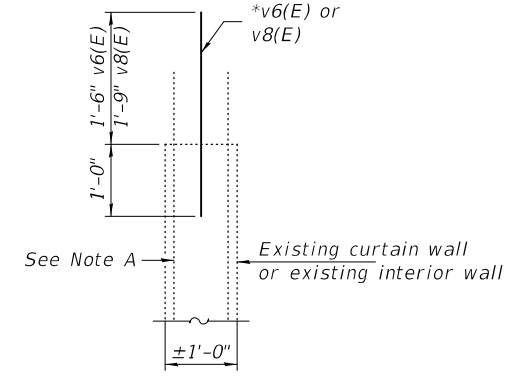
SECTION B-B



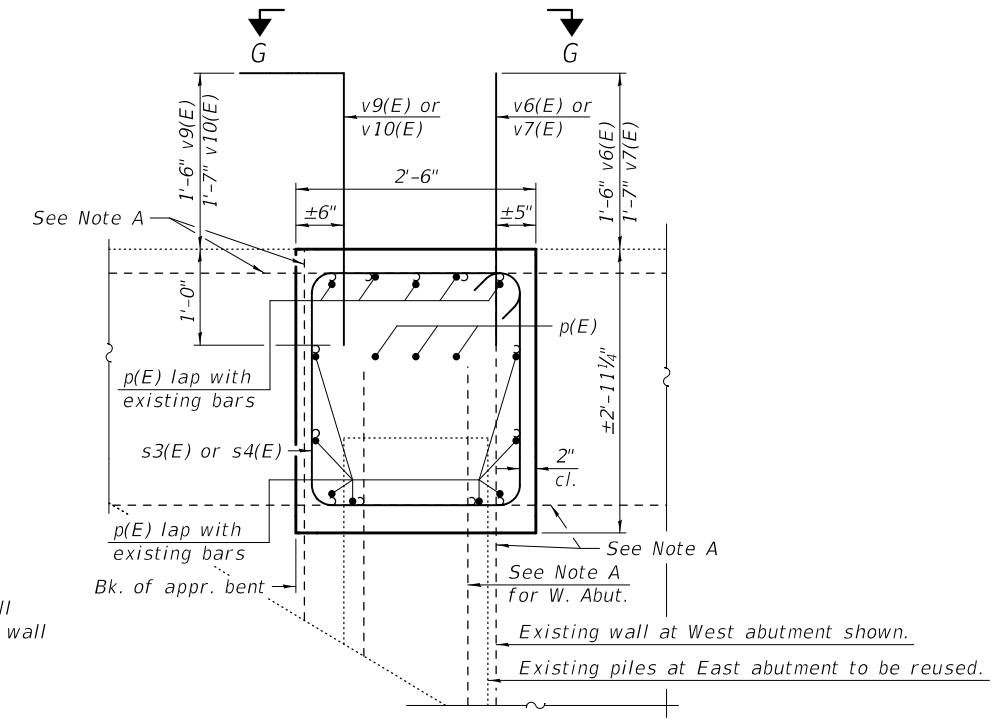
SECTION C-C



EXISTING BENT SECTION H-H



SECTION I-I



SECTION D-D

DESIGNED -	CRYSTAL D. STONE
CHECKED -	JASON A. KERN
DRAWN -	DENNIS A. POP
CHECKED -	C.D.S. / J.A.K. / S.E.M.

EXAMINED	 ENGINEER OF BRIDGE DESIGN
PASSED	
REVISIONS	

DATE -	July 2, 2020
REVISIONS	
REVISIONS	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ABUTMENT DETAILS
 STRUCTURE NO. 092-0006 & 092-0007

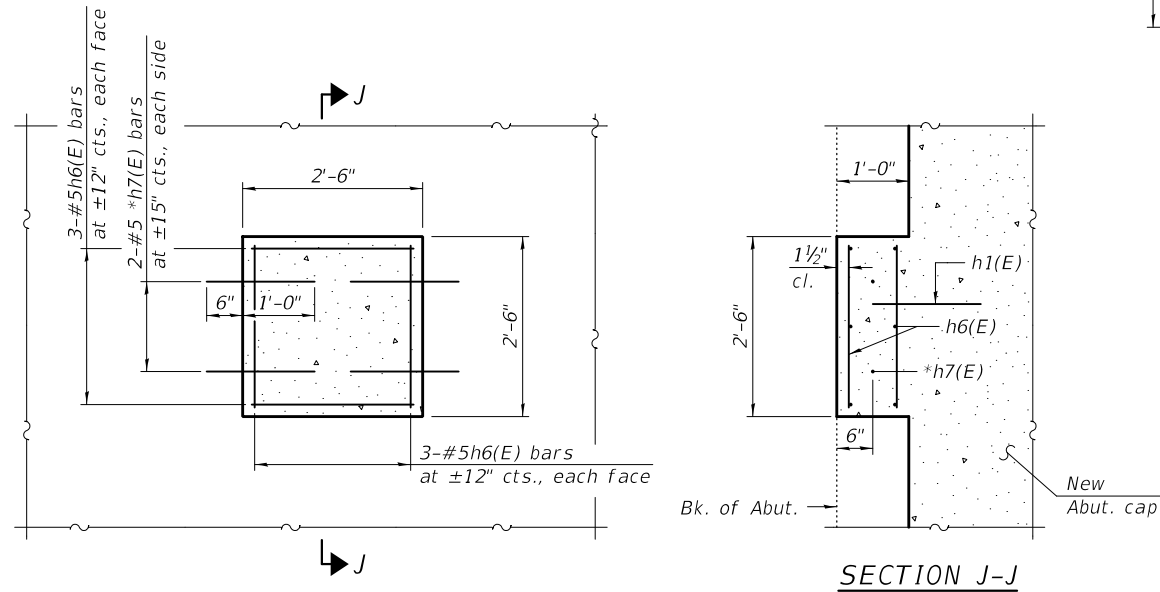
SHEET 49 OF 66 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	105
CONTRACT NO. 70A92				
ILLINOIS FED. AID PROJECT				

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Note:
Concrete Sealer shall be placed on abutment backwall, abutment bearing seats, and front face of abutment cap.

* Drill and grout *h7(E) bars to minimum depth shown according to Article 584 of the Standard Specifications.

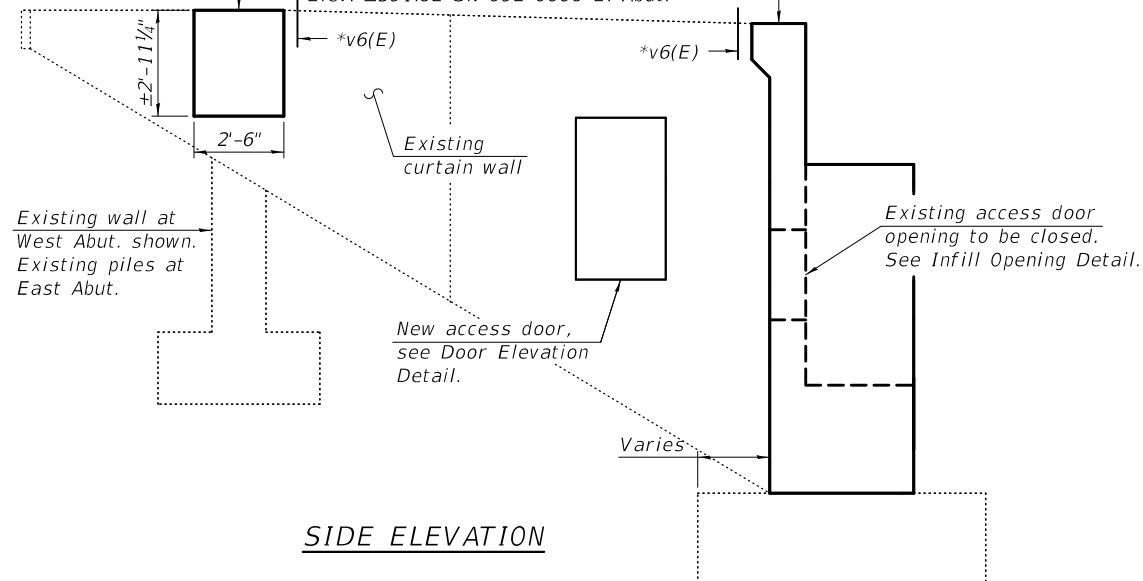


INFILL OPENING DETAIL

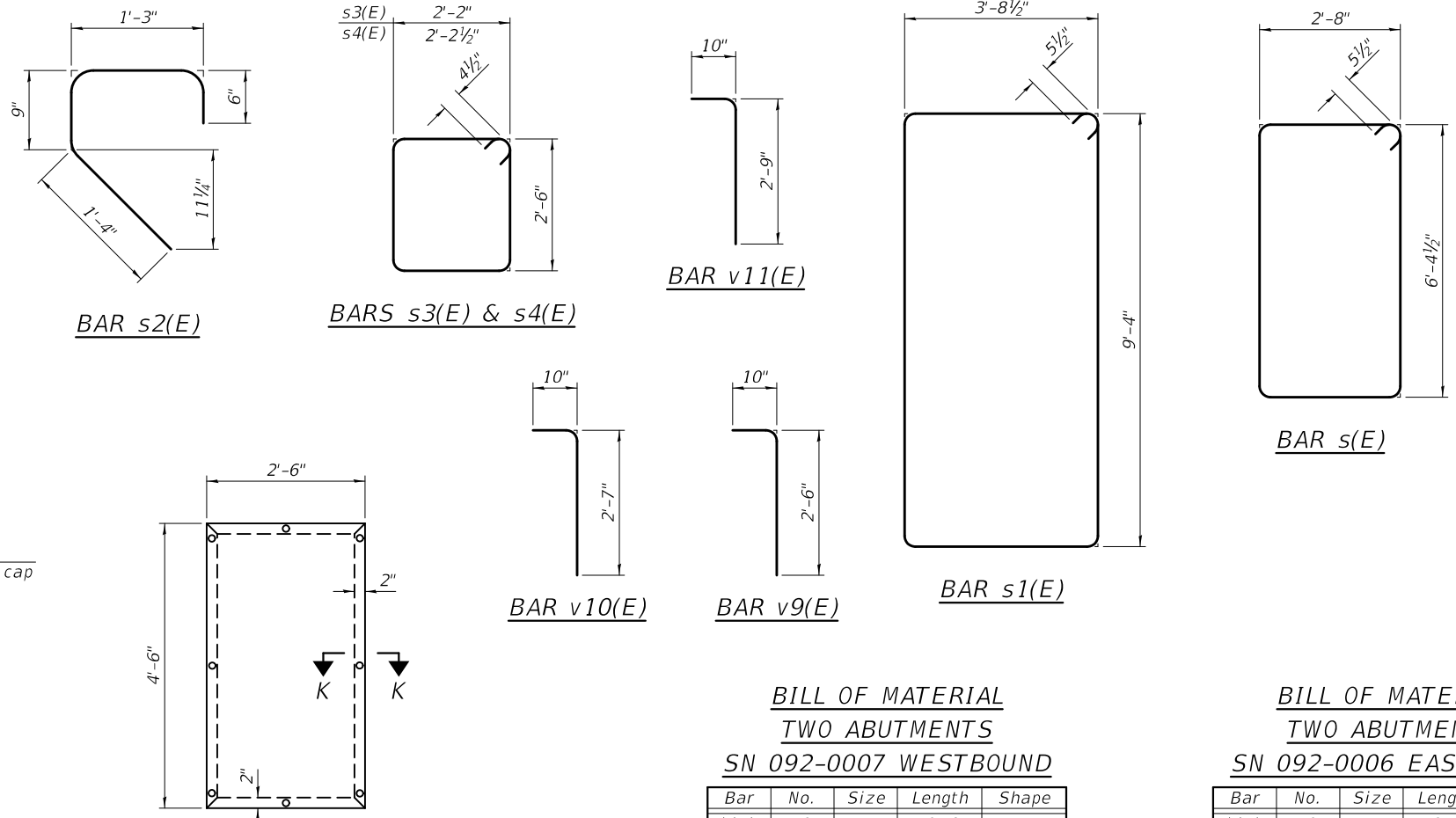
(The concrete for the Infill Opening Detail may be poured monolithically with the concrete for the new abutment cap. If poured together, the h1(E) bars shall be placed and not drilled and grouted at this location.)

Elev. ±610.04 SN 092-0007 W. Abut.
Elev. ±592.17 SN 092-0007 E. Abut.
Elev. ±610.18 SN 092-0006 W. Abut.
Elev. ±592.10 SN 092-0006 E. Abut.

Elev. ±610.42 SN 092-0007 W. Abut.
Elev. ±591.68 SN 092-0007 E. Abut.
Elev. ±610.56 SN 092-0006 W. Abut.
Elev. ±591.62 SN 092-0006 E. Abut.



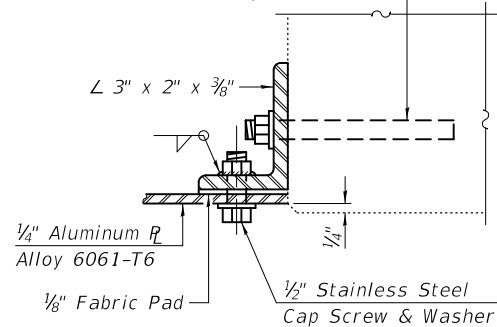
SIDE ELEVATION



DOOR ELEVATION

Cost of door and frame are included with Concrete Structures.

Drill and grout set 1/2" ø Threaded Anchor Rods with nuts and washers at 18" cts. in accordance with Article 584 of the Standard Specifications.



SECTION K-K

**BILL OF MATERIAL
TWO ABUTMENTS
SN 092-0007 WESTBOUND**

Bar	No.	Size	Length	Shape
h(E)	40	#5	42'-6"	—
h1(E)	160	#5	2'-0"	—
h2(E)	168	#5	3'-1"	—
h5(E)	56	#5	4'-0"	—
h6(E)	24	#5	2'-3"	—
h7(E)	8	#5	1'-6"	—
s(E)	72	#5	19'-0"	□
s1(E)	16	#5	27'-0"	□
s2(E)	16	#5	3'-10"	□
s3(E)	64	#4	10'-1"	□
s4(E)	8	#4	10'-2"	□
p(E)	64	#6	10'-6"	—
v1(E)	208	#5	3'-11"	—
v2(E)	16	#5	9'-4"	—
v4(E)	32	#5	12'-7"	—
v6(E)	84	#5	2'-6"	—
v7(E)	68	#5	2'-7"	—
v8(E)	98	#5	2'-9"	—
v9(E)	16	#5	3'-4"	—
v10(E)	40	#5	3'-5"	—
v11(E)	28	#5	3'-7"	—
Structure Excavation	Cu. Yd.	11.0		
Concrete Structures	Cu. Yd.	89.0		
Reinforcement Bars, Epoxy Coated	Pound	8800		
Concrete Sealer	Sq. Ft.	1138		

**BILL OF MATERIAL
TWO ABUTMENTS
SN 092-0006 EASTBOUND**

Bar	No.	Size	Length	Shape
h(E)	40	#5	42'-6"	—
h1(E)	160	#5	2'-0"	—
h2(E)	168	#5	3'-1"	—
h5(E)	56	#5	4'-0"	—
h6(E)	24	#5	2'-3"	—
h7(E)	8	#5	1'-6"	—
s(E)	72	#5	19'-0"	□
s1(E)	16	#5	27'-0"	□
s2(E)	16	#5	3'-10"	□
s3(E)	64	#4	10'-1"	□
s4(E)	8	#4	10'-2"	□
p(E)	64	#6	10'-6"	—
v1(E)	208	#5	3'-11"	—
v2(E)	16	#5	9'-4"	—
v4(E)	32	#5	12'-7"	—
v6(E)	84	#5	2'-6"	—
v7(E)	68	#5	2'-7"	—
v8(E)	98	#5	2'-9"	—
v9(E)	16	#5	3'-4"	—
v10(E)	40	#5	3'-5"	—
v11(E)	28	#5	3'-7"	—
Structure Excavation	Cu. Yd.	11.0		
Concrete Structures	Cu. Yd.	89.0		
Reinforcement Bars, Epoxy Coated	Pound	8800		
Concrete Sealer	Sq. Ft.	1138		

MODEL: 0920006-70A92-050
FILE NAME: pw:\planroom\dot.illinois.gov\pww\DOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0920006\CADD Plans\0920006-70A92.dgn

DESIGNED - CRYSTAL D. STONE
CHECKED - JASON A. KERN
DRAWN - DENNIS A. POP
CHECKED - C.D.S. / J.A.K. / S.E.M.

EXAMINED
PASSED
ENGINEER OF BRIDGES AND STRUCTURES

DATE - July 2, 2020
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT DETAILS
STRUCTURE NO. 092-0006 & 092-0007

SHEET 50 OF 66 SHEETS

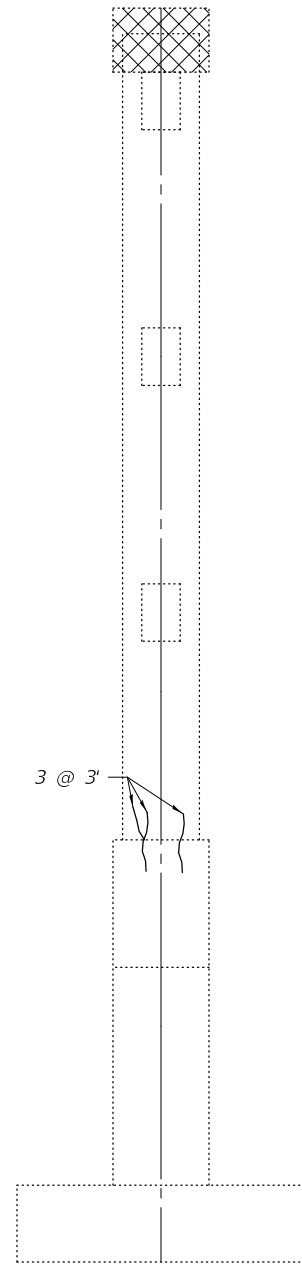
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	106

CONTRACT NO. 70A92

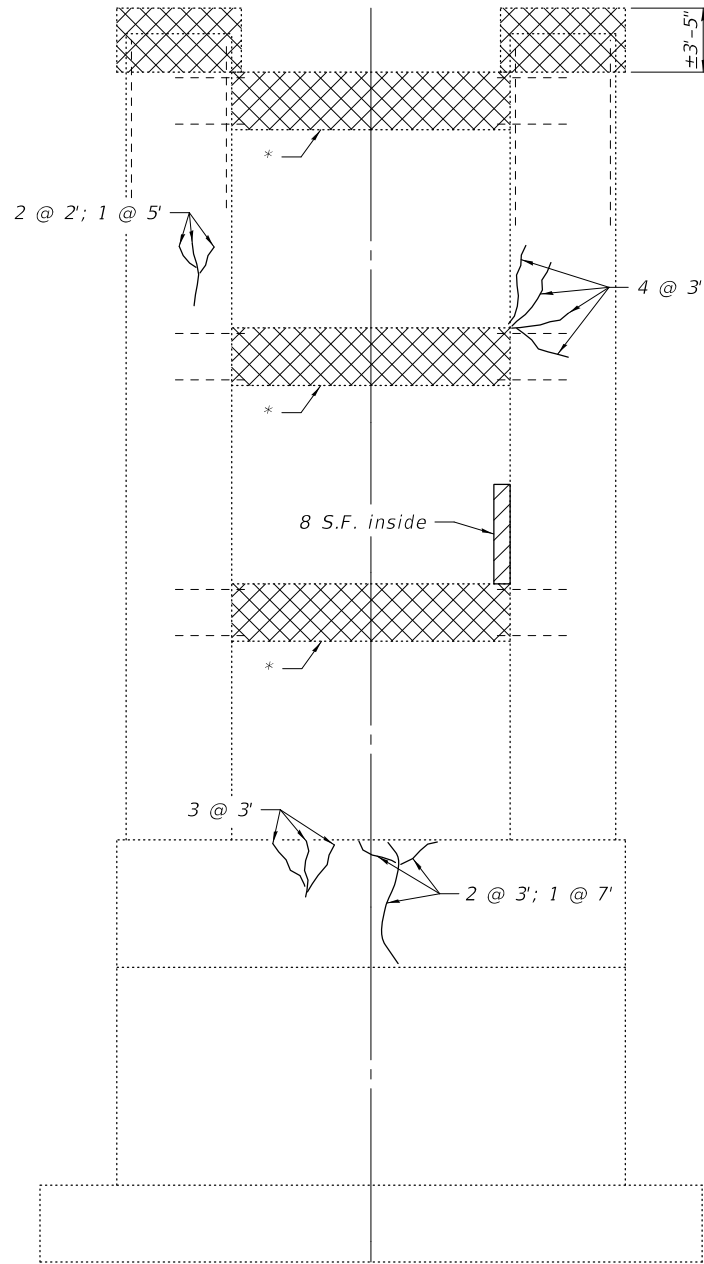
ILLINOIS FED. AID PROJECT

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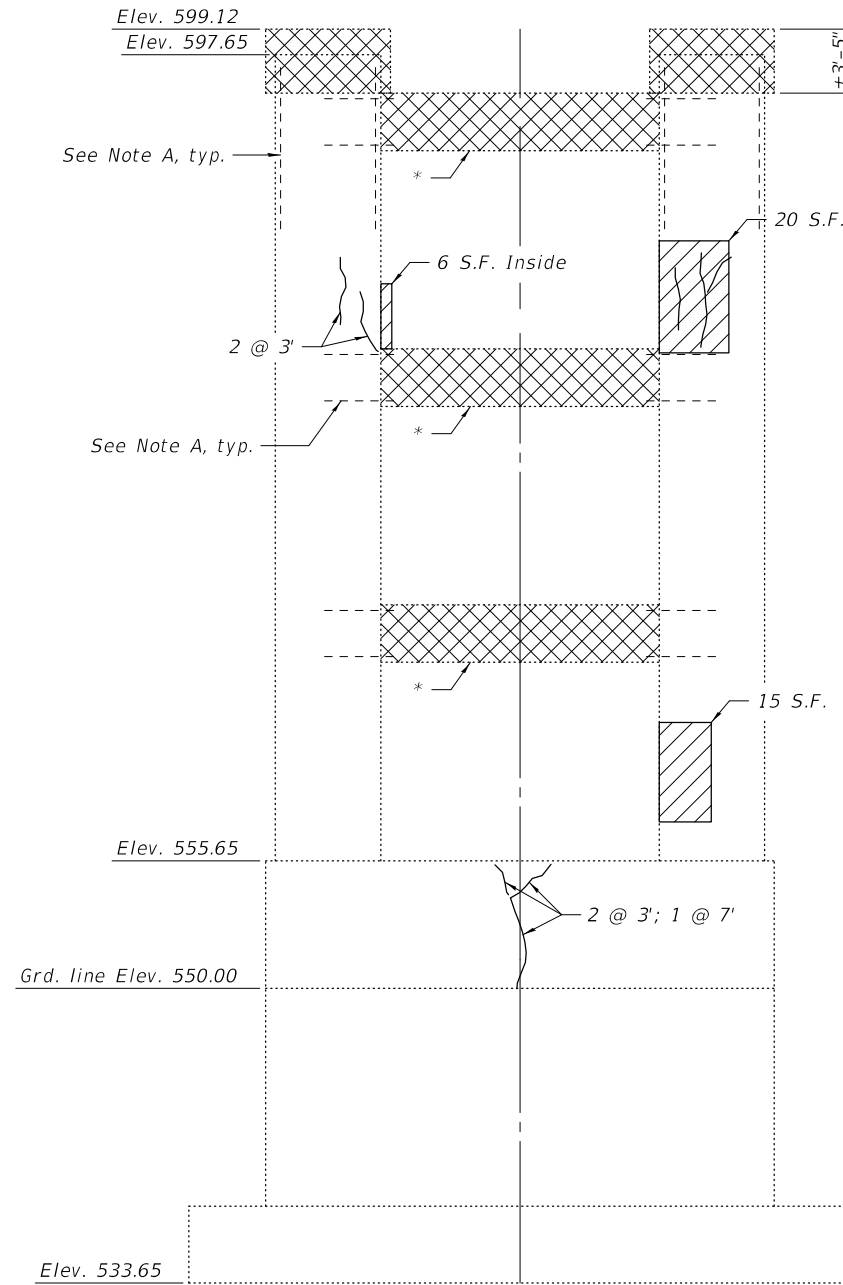
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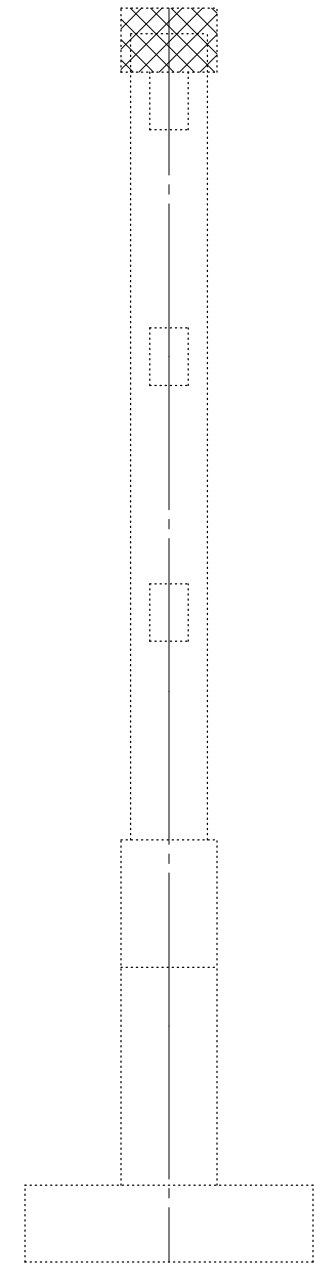
SOUTH END



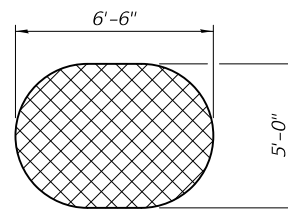
WEST FACE



EAST FACE



NORTH END



TOP PLAN OF COLUMN
(Typ.)

- LEGEND**
- Concrete Removal
 - Structural Repair of Concrete
(Depth Equal To or Less Than 5 Inches)
 - Epoxy Crack Injection

Note A:
 Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

* To be removed and replaced. See sheet 59 of 66 for collar tie repair details and required sequencing of the collar tie removal.

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	49
Epoxy Crack Injection	Foot	71
Concrete Removal	Cu. Yd.	16.5

DESIGNED -	CRYSTAL D. STONE
CHECKED -	JASON A. KERN
DRAWN -	DENNIS A. POP
CHECKED -	C.D.S. / J.A.K. / S.E.M.

EXAMINED		DATE -	July 2, 2020
PASSED		REVIS	-
	ENGINEER OF BRIDGES AND STRUCTURES	REVIS	-

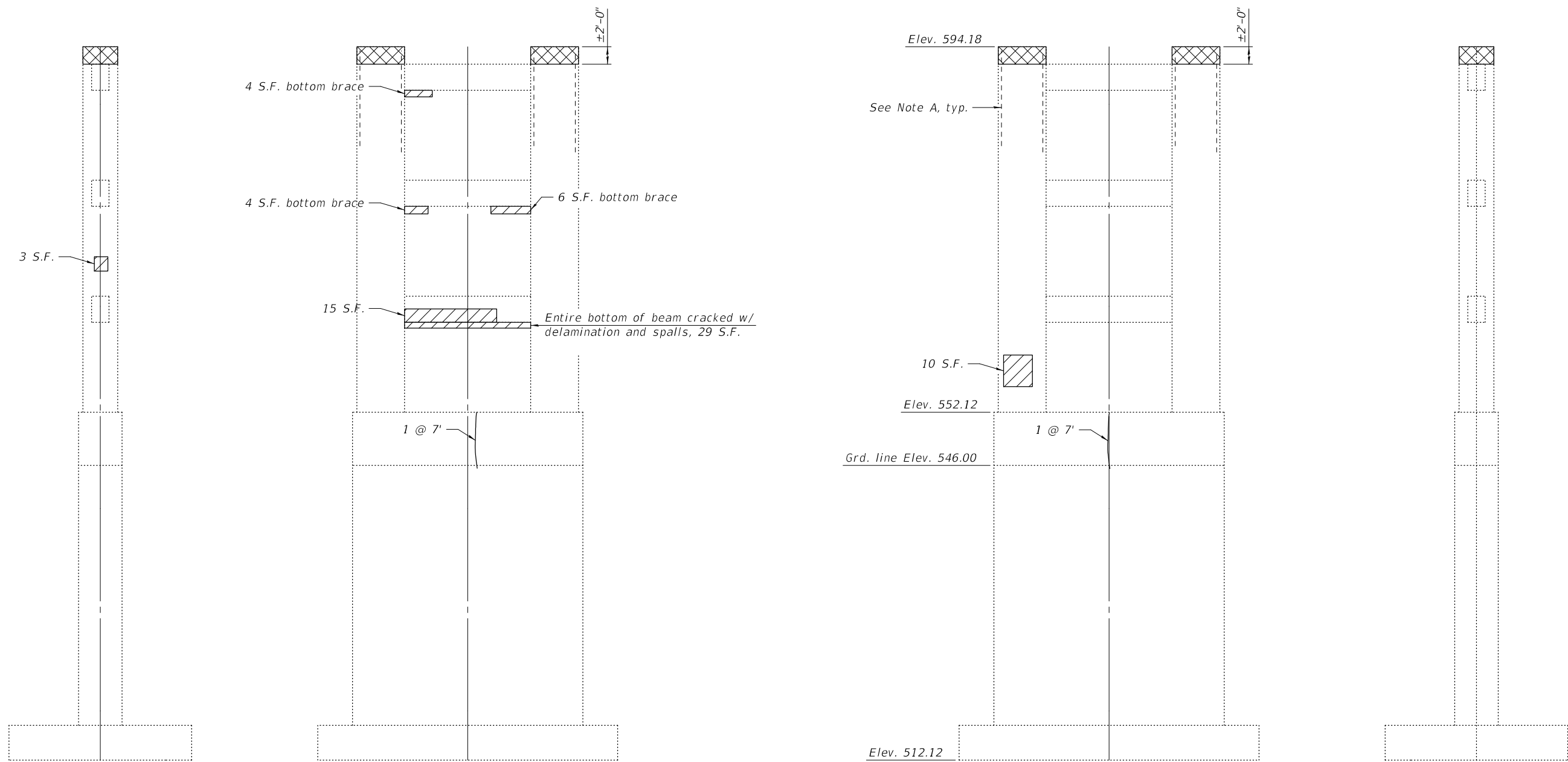
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 1A REPAIRS and CONCRETE REMOVAL
STRUCTURE NO. 092-0007

SHEET 51 OF 66 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	107
CONTRACT NO. 70A92				
ILLINOIS FED. AID PROJECT				

MODEL: 0920006-70A92-052
 FILE NAME: p:\planroom\dot\illinois\gov\p\DOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0920006\CADD Plans\0920006-70A92.dgn

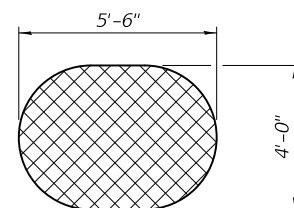


SOUTH END

WEST FACE

EAST FACE

NORTH END



TOP PLAN OF COLUMN
(Typ.)

LEGEND

- Concrete Removal
- Structural Repair of Concrete
(Depth Equal To or Less Than 5 Inches)
- Epoxy Crack Injection

Note A:
 Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	71
Epoxy Crack Injection	Foot	14
Concrete Removal	Cu. Yd.	2.8

DESIGNED -	CRYSTAL D. STONE
CHECKED -	JASON A. KERN
DRAWN -	DENNIS A. POP
CHECKED -	C.D.S. / J.A.K. / S.E.M.

EXAMINED _____
 PASSED _____

 ENGINEER OF BRIDGE DESIGN

 ENGINEER OF BRIDGES AND STRUCTURES

DATE - July 2, 2020
 REVISED -
 REVISED -

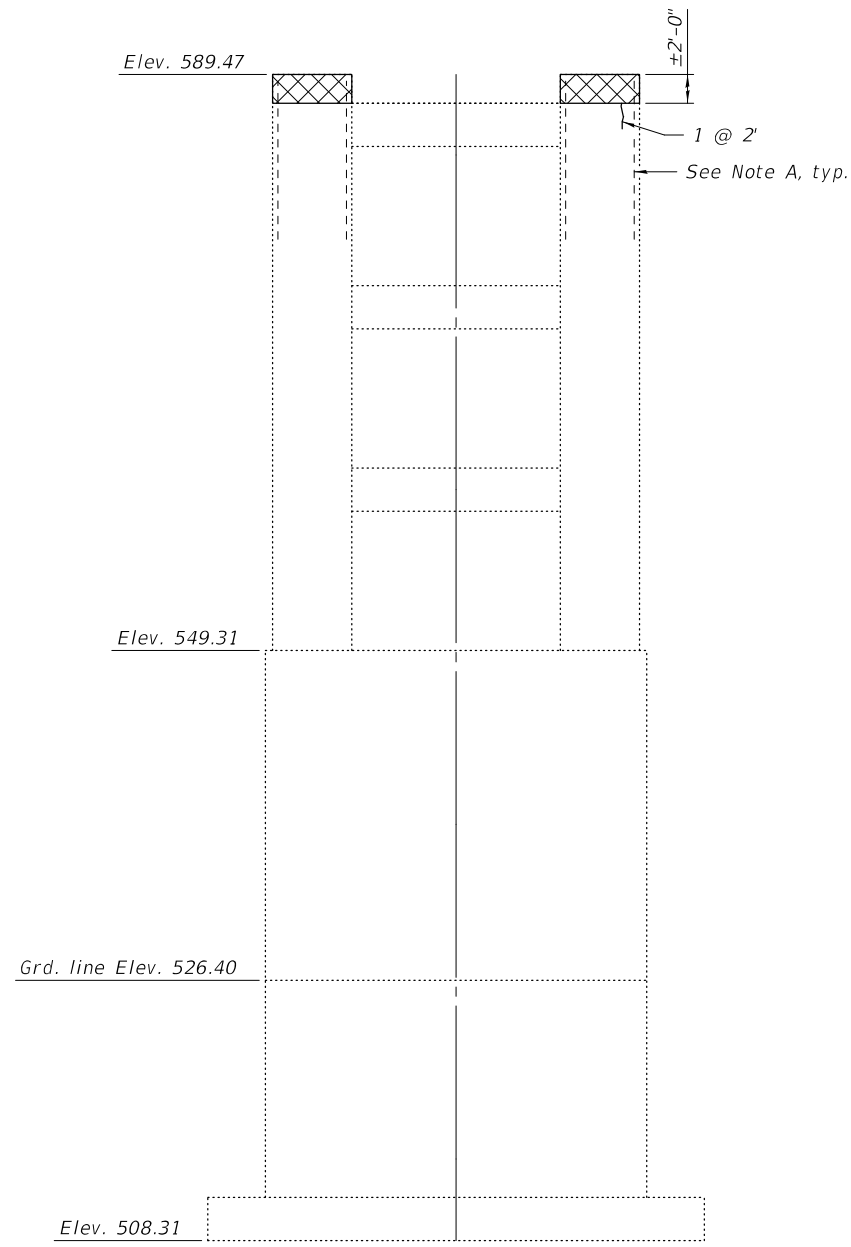
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 1 REPAIRS and CONCRETE REMOVAL
STRUCTURE NO. 092-0007

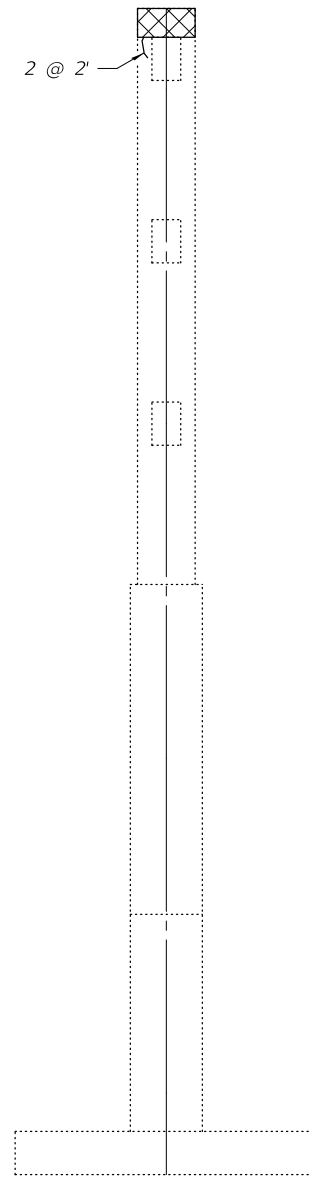
SHEET 52 OF 66 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	108
CONTRACT NO. 70A92				
ILLINOIS FED. AID PROJECT				

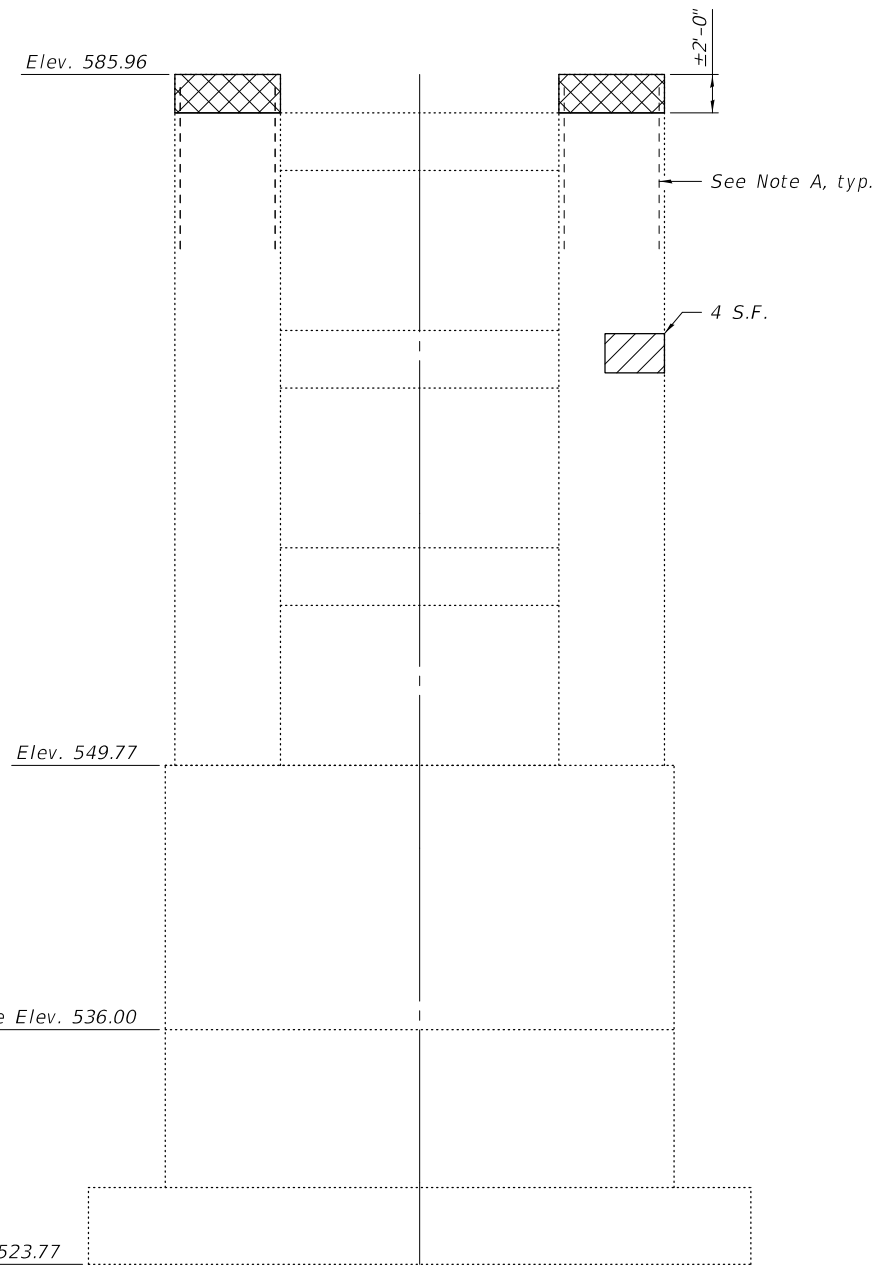
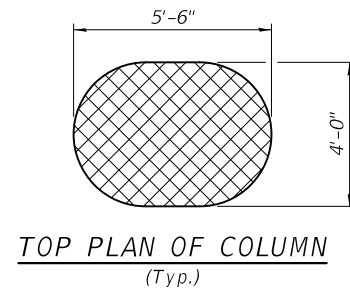
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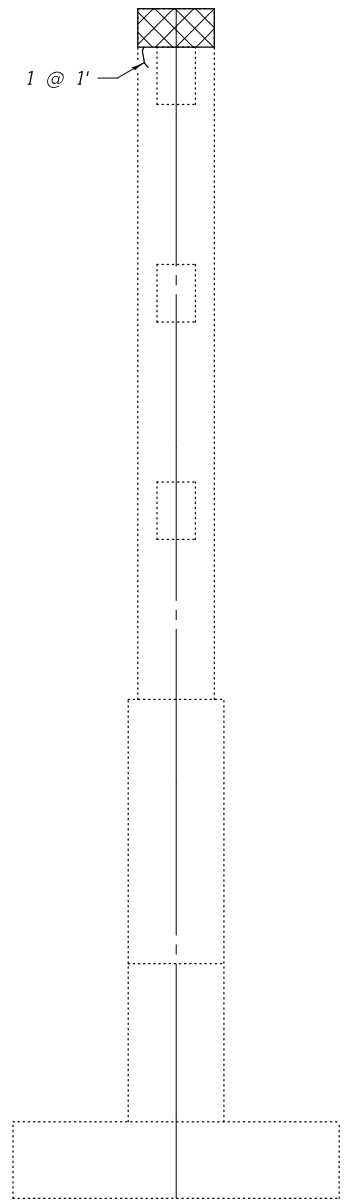
PIER 3 - EAST FACE



PIER 3 - NORTH END



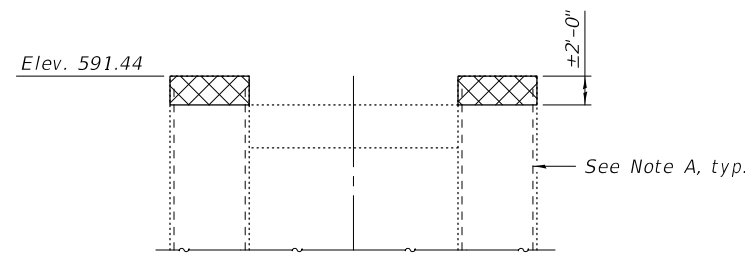
PIER 4 - EAST FACE



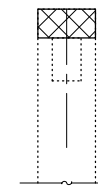
PIER 4 - NORTH END

LEGEND

- Concrete Removal
- Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)
- Epoxy Crack Injection



PIER 2 - EAST FACE



PIER 2 - NORTH END

Note A:
 Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	4
Epoxy Crack Injection	Foot	7
Concrete Removal	Cu. Yd.	8.3

DESIGNED - CRYSTAL D. STONE
 CHECKED - JASON A. KERN
 DRAWN - DENNIS A. POP
 CHECKED - C.D.S. / J.A.K. / S.E.M.

EXAMINED
 PASSED

 ENGINEER OF BRIDGE DESIGN

 ENGINEER OF BRIDGES AND STRUCTURES

DATE - July 2, 2020
 REVISED -
 REVISED -

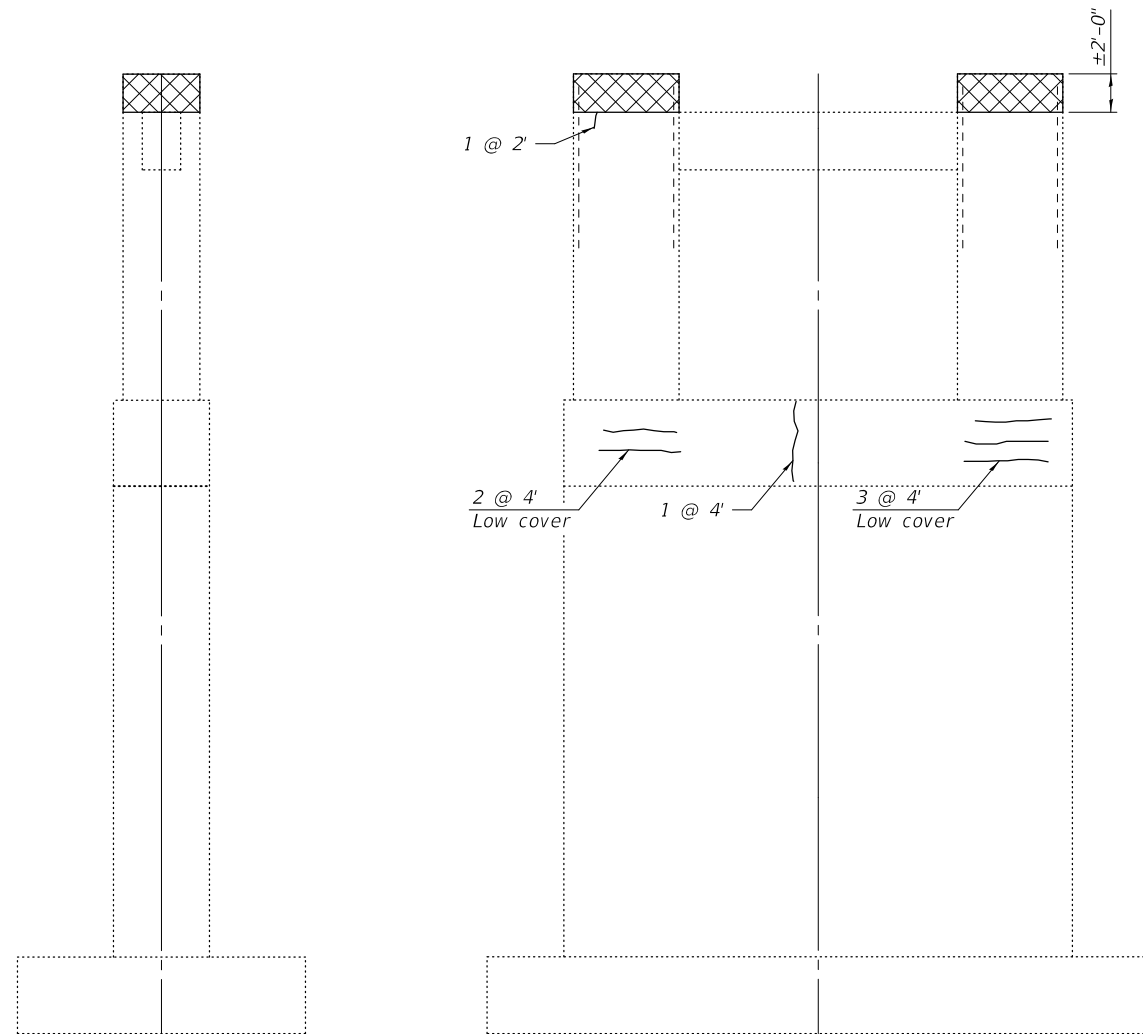
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PIERS 2, 3 and PIER 4 REPAIRS and CONCRETE REMOVAL
 STRUCTURE NO. 092-0007**

SHEET 53 OF 66 SHEETS

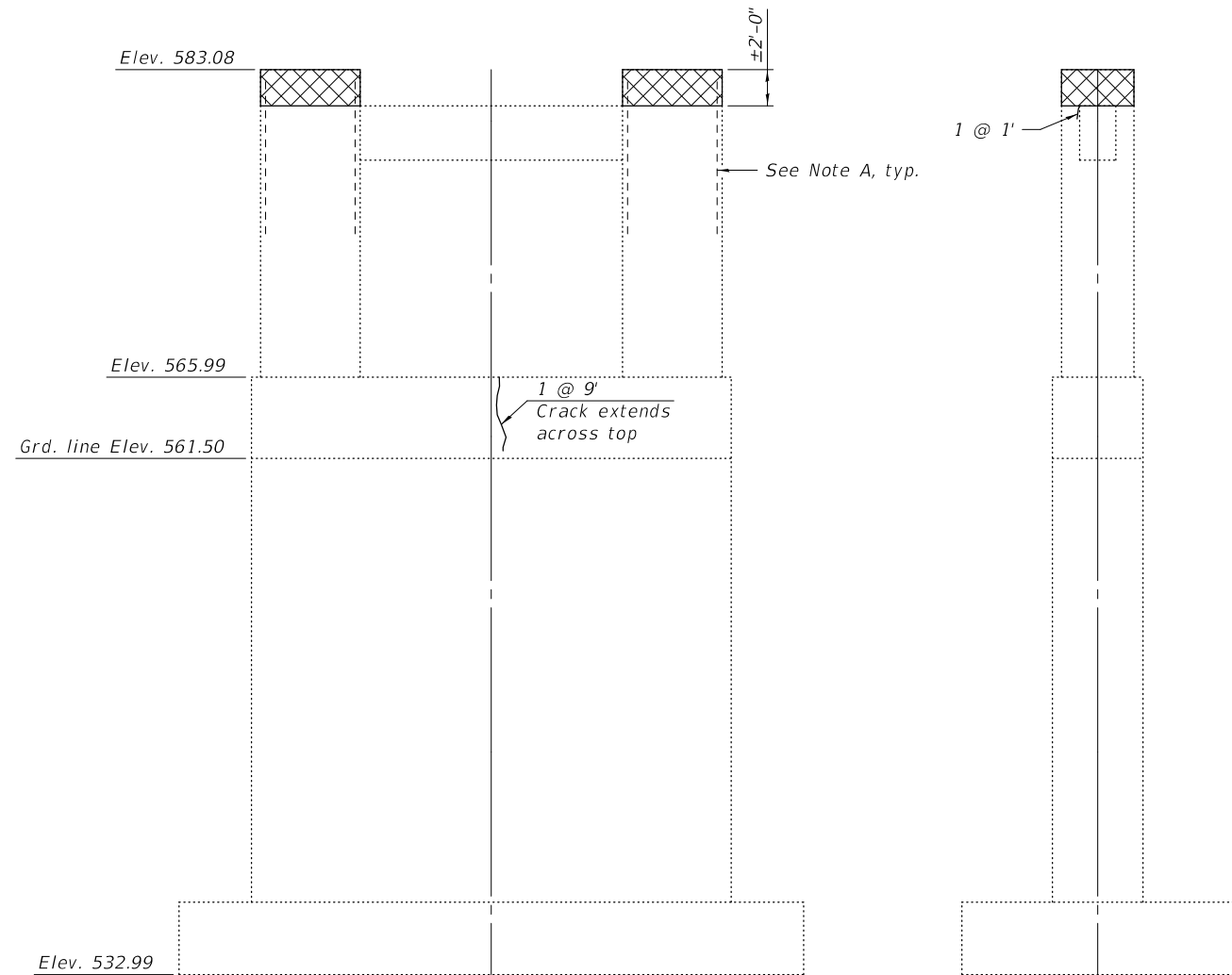
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	109
CONTRACT NO. 70A92				
		ILLINOIS	FED. AID PROJECT	

MODEL: 0920006-70A92-054
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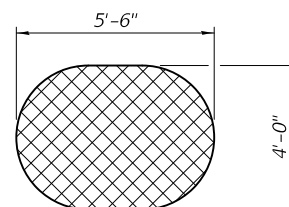
SOUTH END

WEST FACE



EAST FACE

NORTH END



TOP PLAN OF COLUMN
(Typ.)

LEGEND

- Concrete Removal
- Epoxy Crack Injection

Note A:
 Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

BILL OF MATERIAL

Item	Unit	Total
Epoxy Crack Injection	Foot	36
Concrete Removal	Cu. Yd.	2.8

DESIGNED -	CRYSTAL D. STONE
CHECKED -	JASON A. KERN
DRAWN -	DENNIS A. POP
CHECKED -	C.D.S. / J.A.K. / S.E.M.

EXAMINED		DATE -	July 2, 2020
PASSED		REVISOR -	
	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR -	

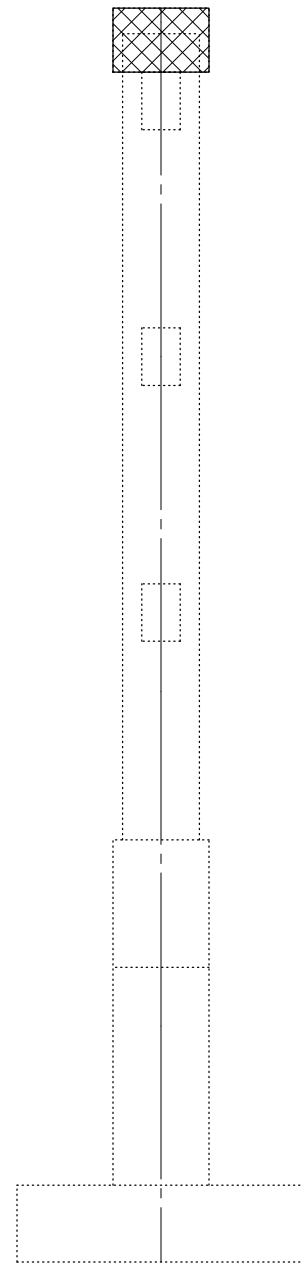
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 5 REPAIRS and CONCRETE REMOVAL
STRUCTURE NO. 092-0007

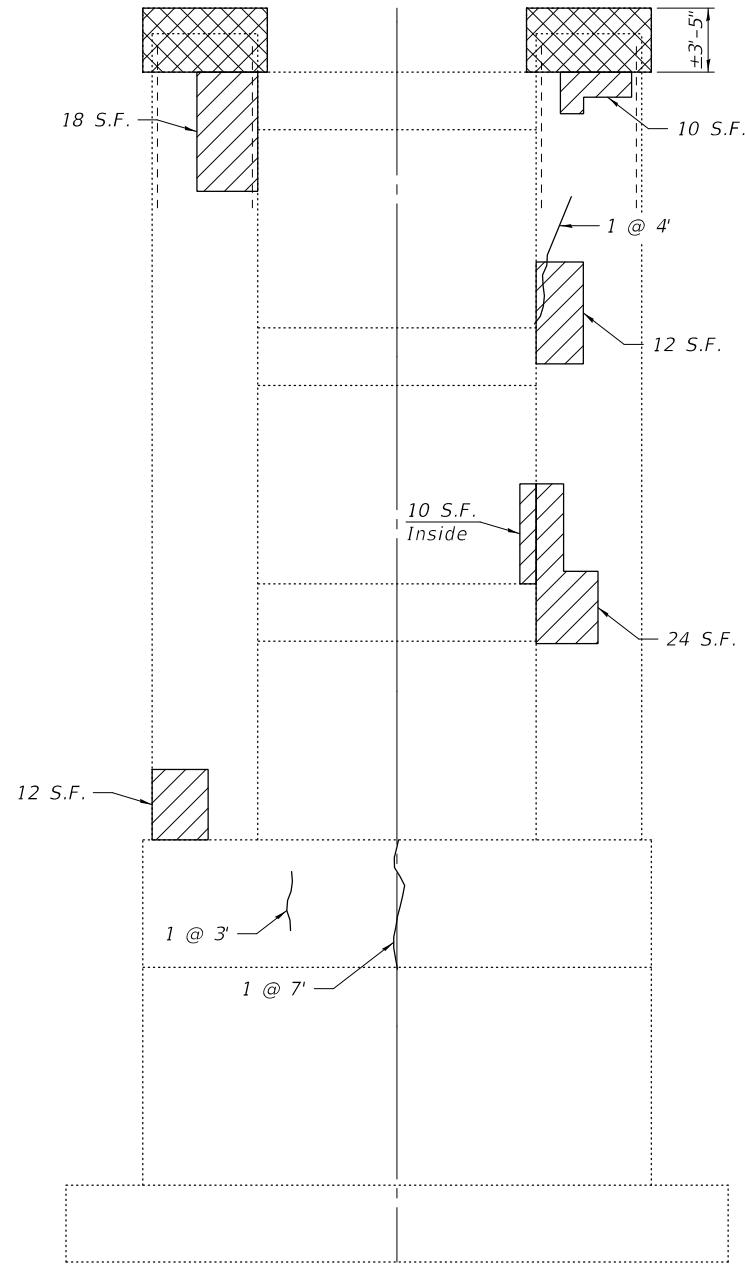
SHEET 54 OF 66 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	110
CONTRACT NO. 70A92				
		ILLINOIS	FED. AID PROJECT	

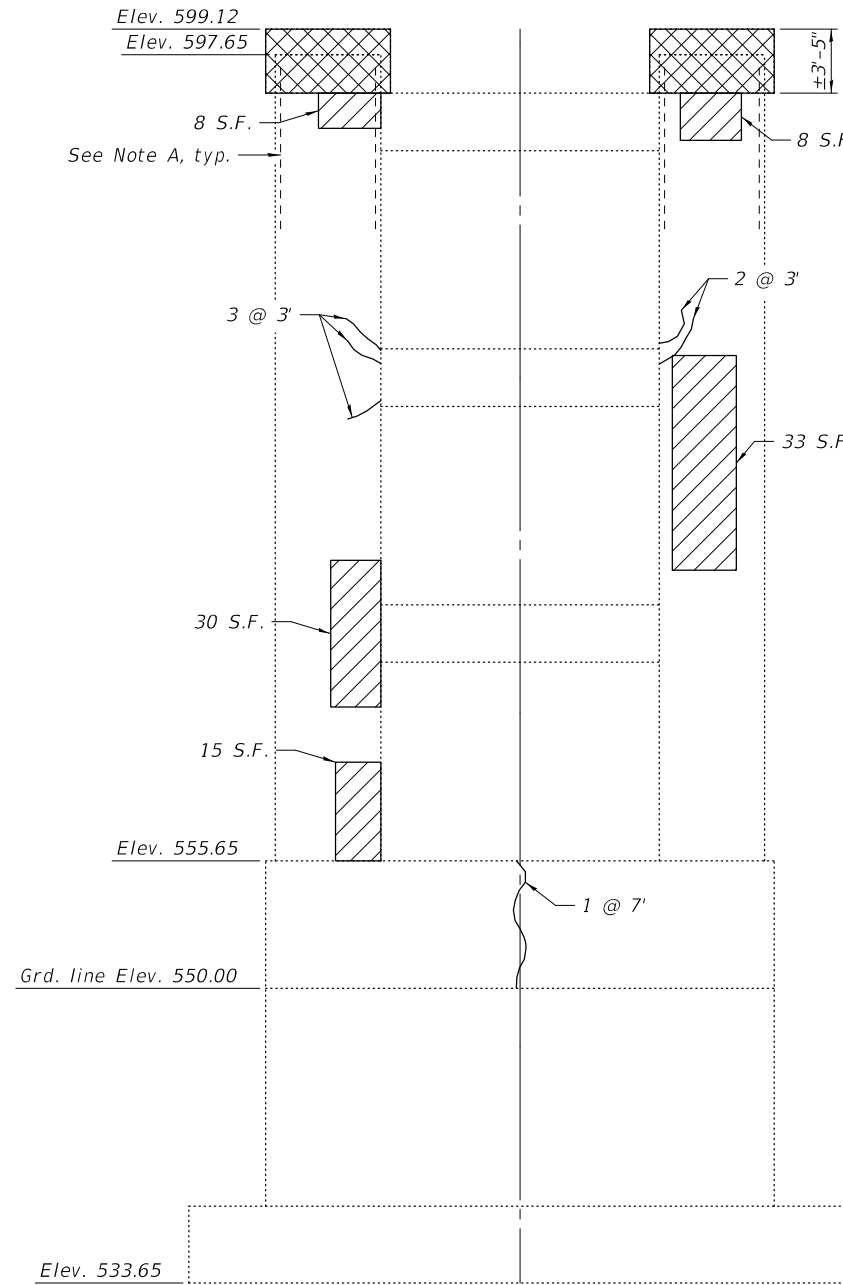
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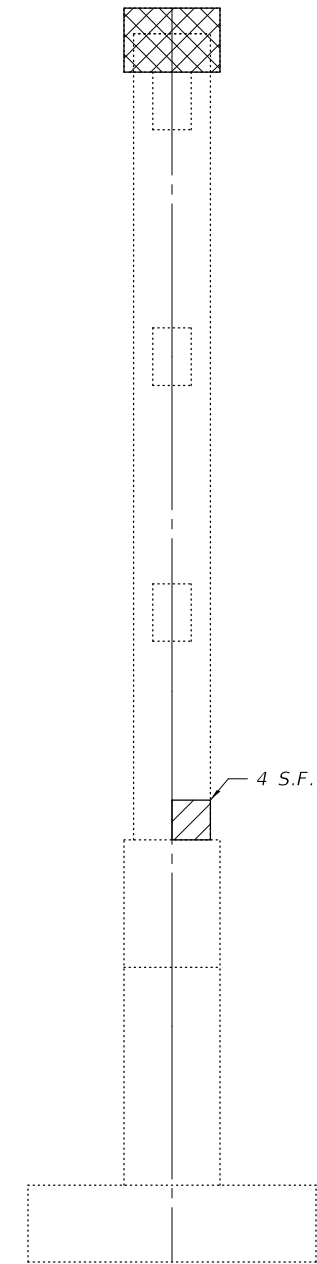
SOUTH END



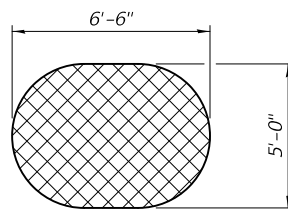
WEST FACE



EAST FACE



NORTH END



TOP PLAN OF COLUMN
(Typ.)

LEGEND

- Concrete Removal
- Structural Repair of Concrete
(Depth Equal To or Less Than 5 Inches)
- Epoxy Crack Injection

Note A:
 Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	184
Epoxy Crack Injection	Foot	36
Concrete Removal	Cu. Yd.	6.9

DESIGNED -	CRYSTAL D. STONE
CHECKED -	JASON A. KERN
DRAWN -	DENNIS A. POP
CHECKED -	C.D.S. / J.A.K. / S.E.M.

EXAMINED _____
 PASSED _____

 ENGINEER OF BRIDGE DESIGN

 ENGINEER OF BRIDGES AND STRUCTURES

DATE -	July 2, 2020
REVISED -	
REVISED -	

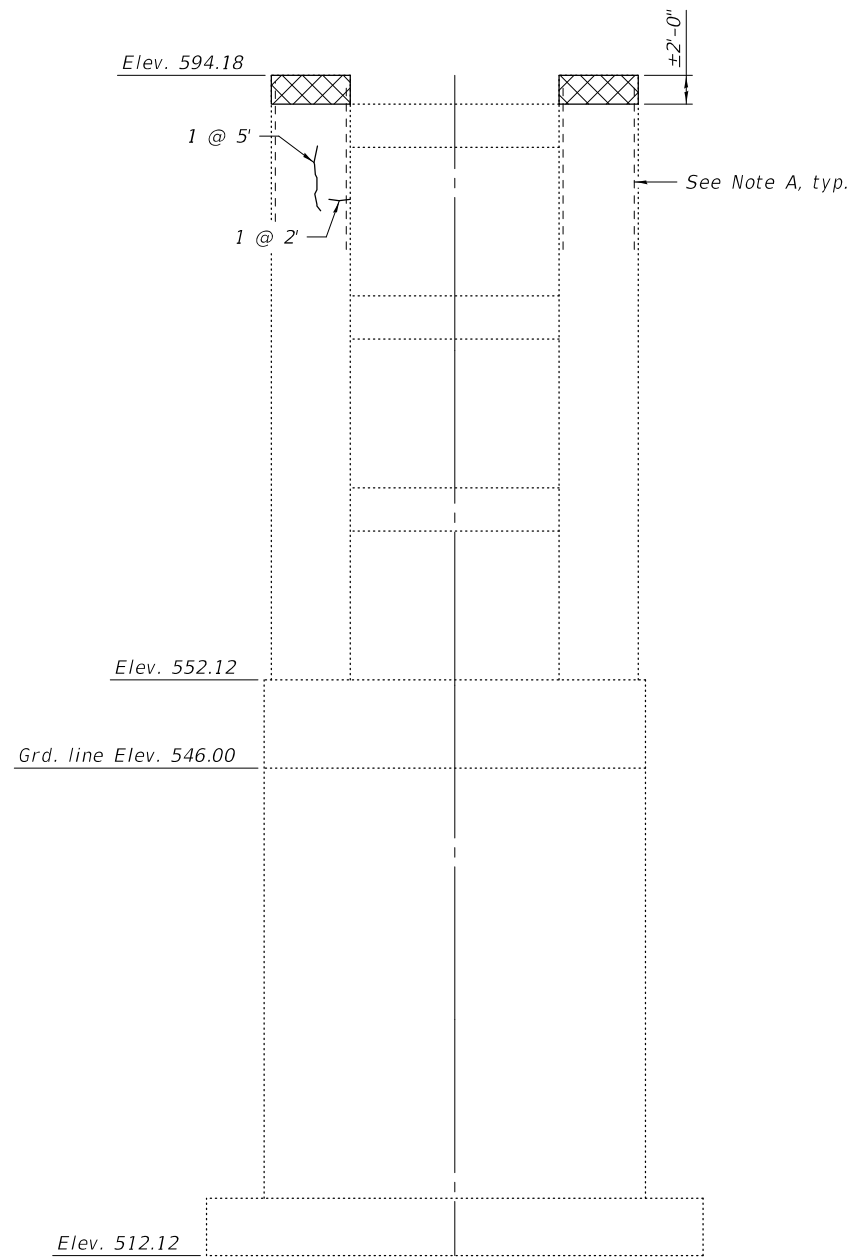
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PIER 1A REPAIRS and CONCRETE REMOVAL
 STRUCTURE NO. 092-0006**

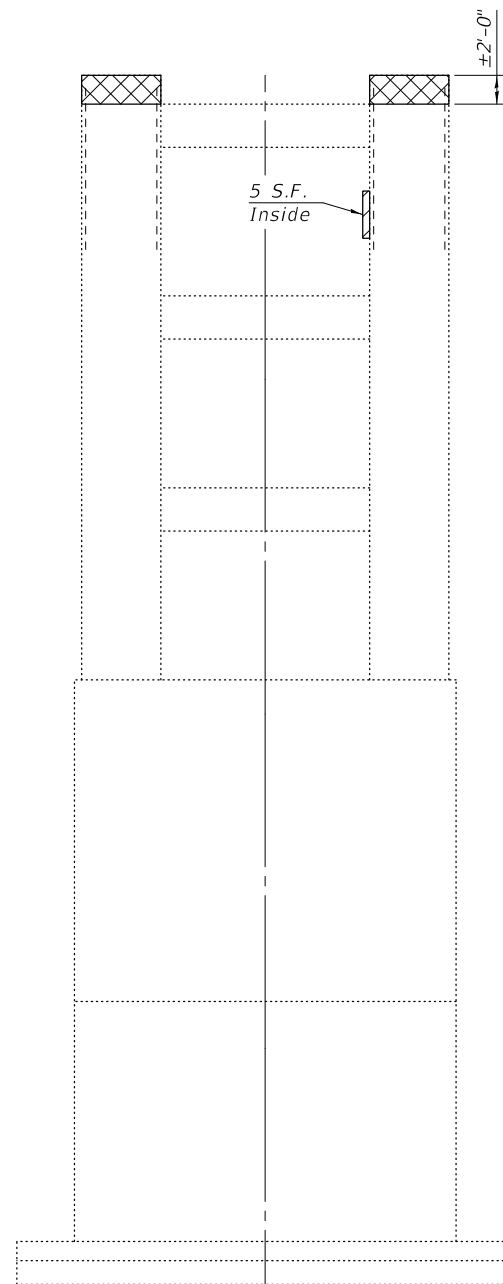
SHEET 55 OF 66 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	111
CONTRACT NO. 70A92				
		ILLINOIS	FED. AID PROJECT	

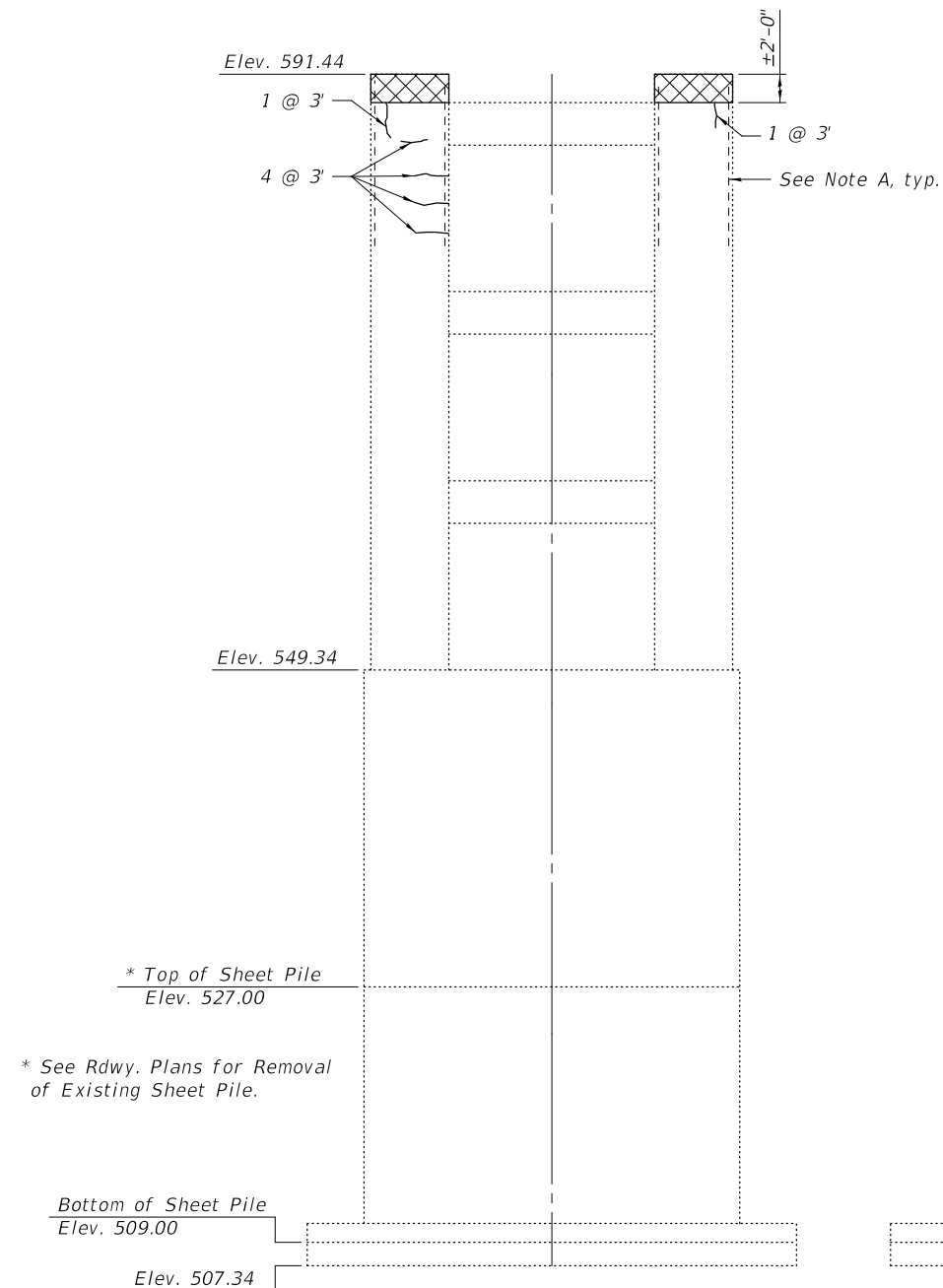
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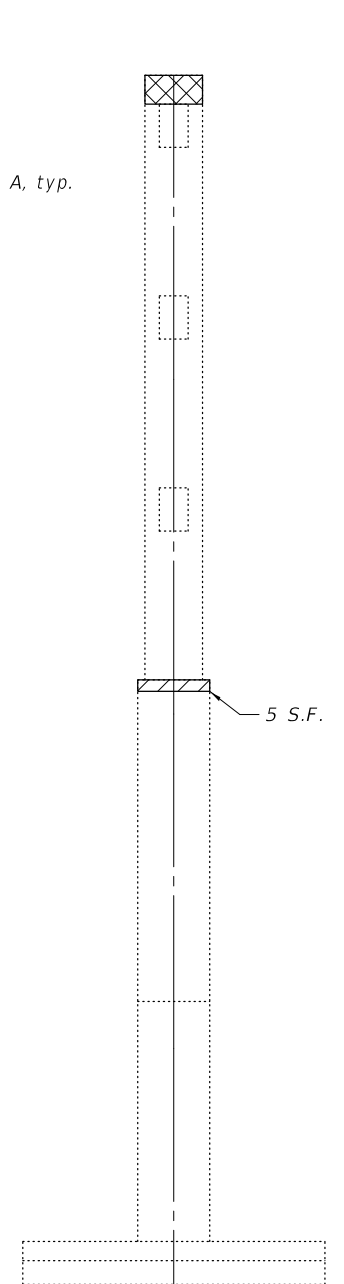
PIER 1 - WEST FACE



PIER 2 - WEST FACE



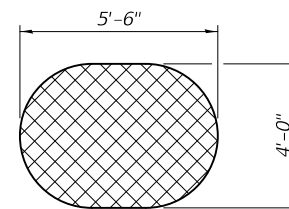
PIER 2 - EAST FACE



PIER 2 - NORTH END

LEGEND

- Concrete Removal
- Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)
- Epoxy Crack Injection



TOP PLAN OF COLUMN
(Typ.)

Note A:
 Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	10
Epoxy Crack Injection	Foot	25
Concrete Removal	Cu. Yd.	5.5

DESIGNED - CRYSTAL D. STONE
 CHECKED - JASON A. KERN
 DRAWN - DENNIS A. POP
 CHECKED - C.D.S. / J.A.K. / S.E.M.

EXAMINED
 PASSED

 ENGINEER OF BRIDGE DESIGN

 ENGINEER OF BRIDGES AND STRUCTURES

DATE - July 2, 2020
 REVISED -
 REVISED -

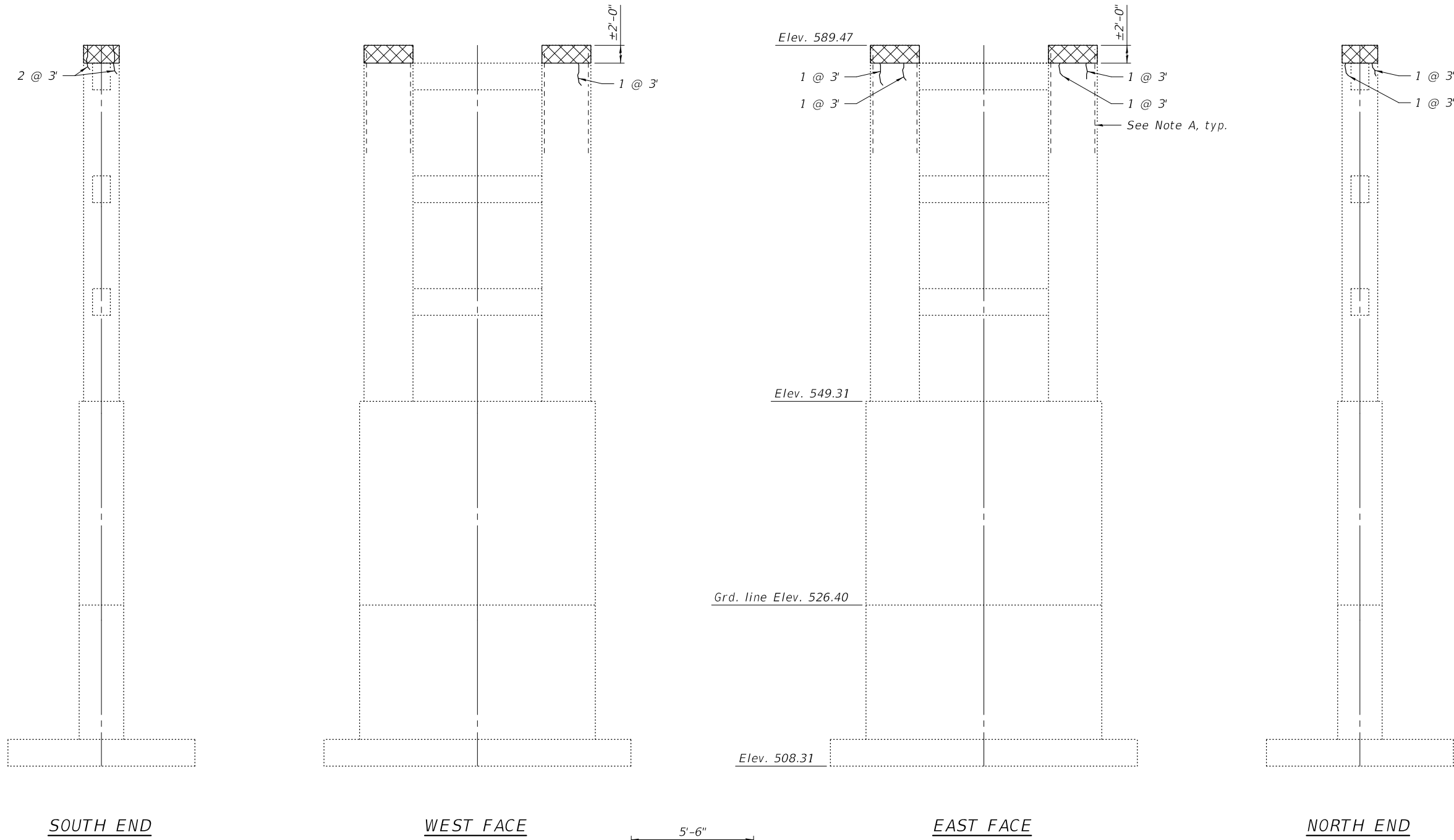
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIERS 1 & 2 REPAIRS and CONCRETE REMOVAL
STRUCTURE NO. 092-0006

SHEET 56 OF 66 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	112
CONTRACT NO. 70A92				
ILLINOIS FED. AID PROJECT				

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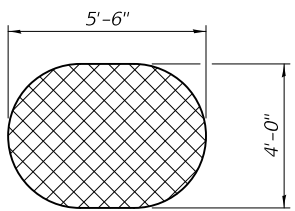
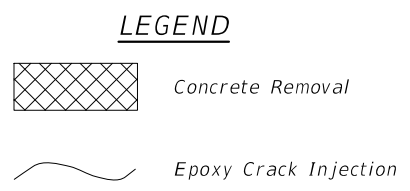


SOUTH END

WEST FACE

EAST FACE

NORTH END





TOP PLAN OF COLUMN
(Typ.)

Note A:
 Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

BILL OF MATERIAL

Item	Unit	Total
Epoxy Crack Injection	Foot	27
Concrete Removal	Cu. Yd.	2.8

DESIGNED - CRYSTAL D. STONE	EXAMINED - 	DATE - July 2, 2020
CHECKED - JASON A. KERN	PASSED - 	
DRAWN - DENNIS A. POP		
CHECKED - C.D.S. / J.A.K. / S.E.M.	ENGINEER OF BRIDGES AND STRUCTURES	

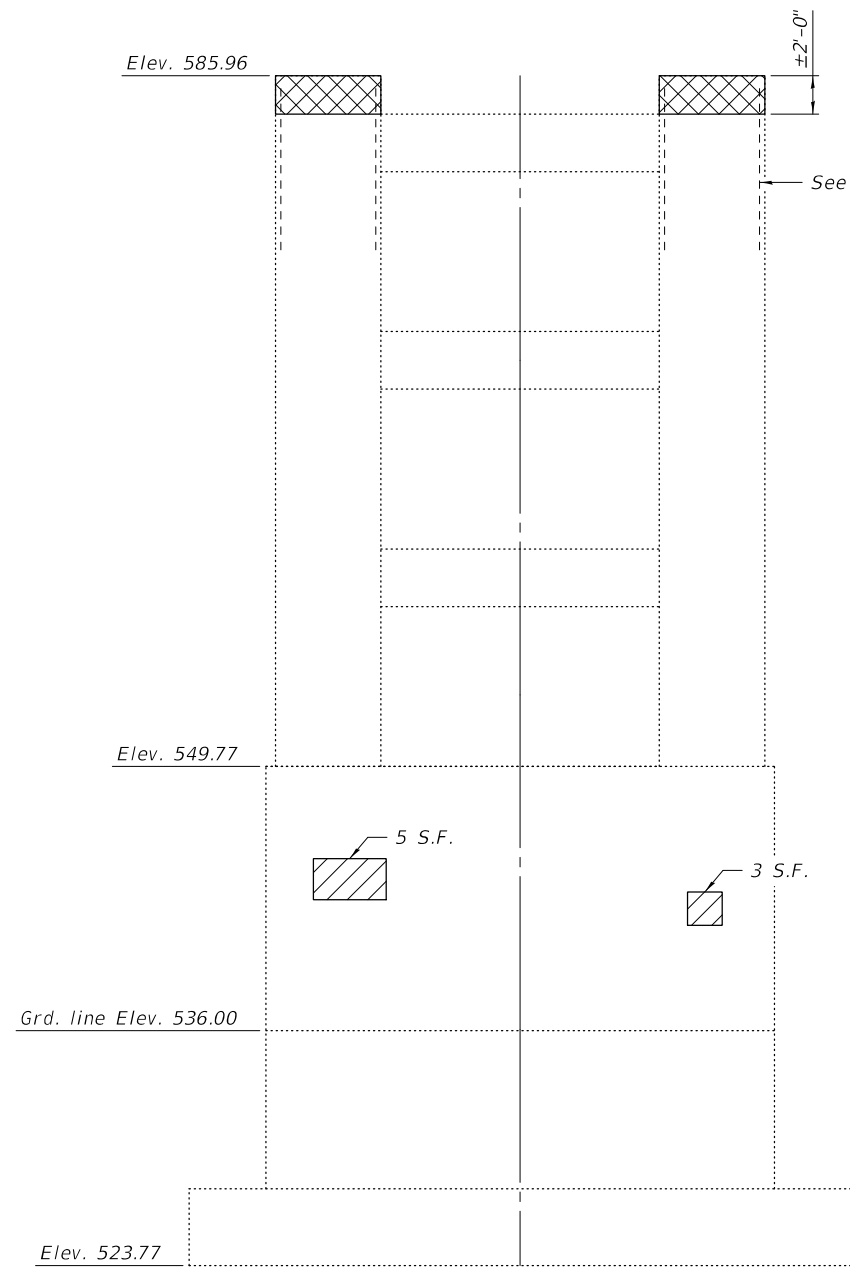
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 3 REPAIRS and CONCRETE REMOVAL
STRUCTURE NO. 092-0006

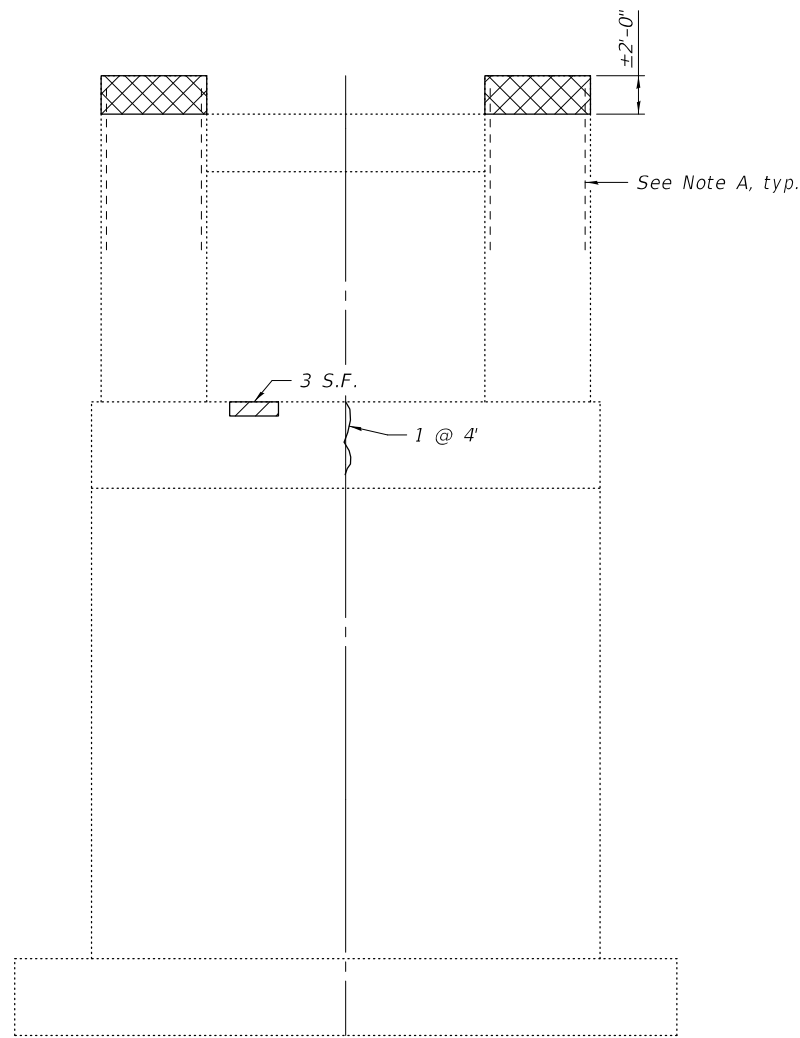
SHEET 57 OF 66 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	113
CONTRACT NO. 70A92				
		ILLINOIS	FED. AID PROJECT	

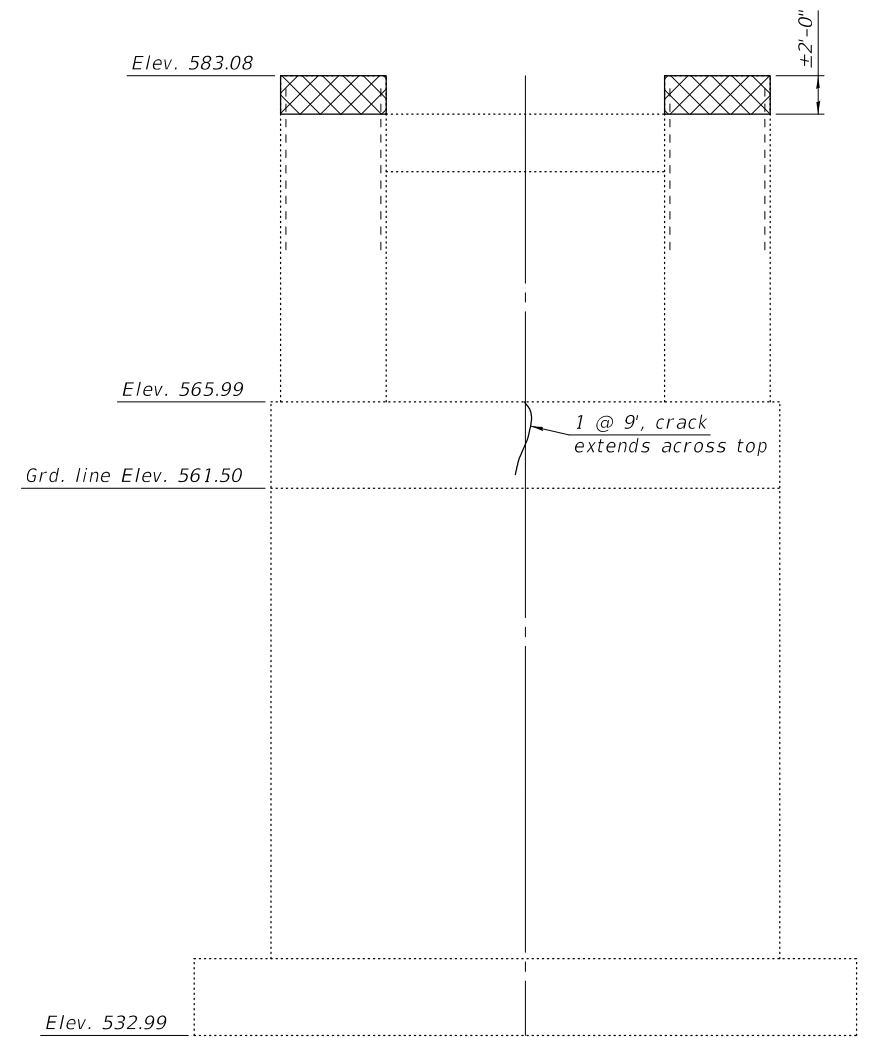
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PIER 4 - EAST FACE

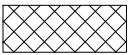
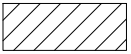



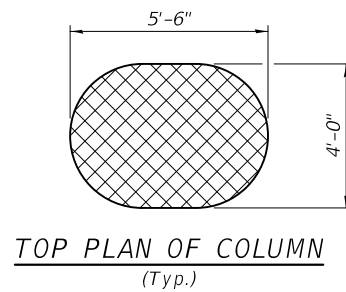
PIER 5 - WEST FACE



PIER 5 - EAST FACE

LEGEND

	Concrete Removal
	Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)
	Epoxy Crack Injection

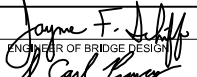



Note A:
 Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	11
Epoxy Crack Injection	Foot	13
Concrete Removal	Cu. Yd.	5.5

DESIGNED -	CRYSTAL D. STONE
CHECKED -	JASON A. KERN
DRAWN -	DENNIS A. POP
CHECKED -	C.D.S. / J.A.K. / S.E.M.

EXAMINED		DATE -	July 2, 2020
PASSED		REVIS	-
	ENGINEER OF BRIDGES AND STRUCTURES	REVIS	-

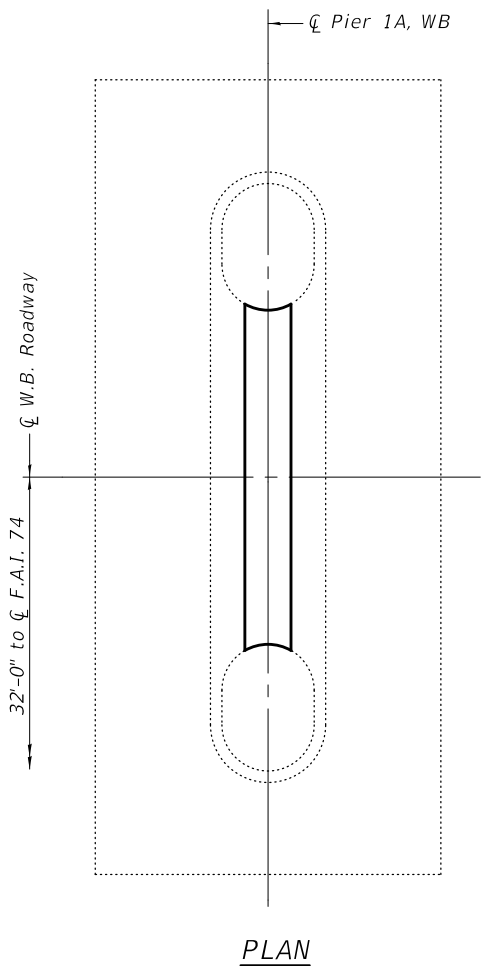
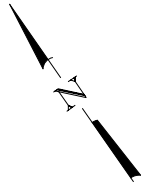
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PIERS 4 & 5 REPAIRS and CONCRETE REMOVAL
 STRUCTURE NO. 092-0006**

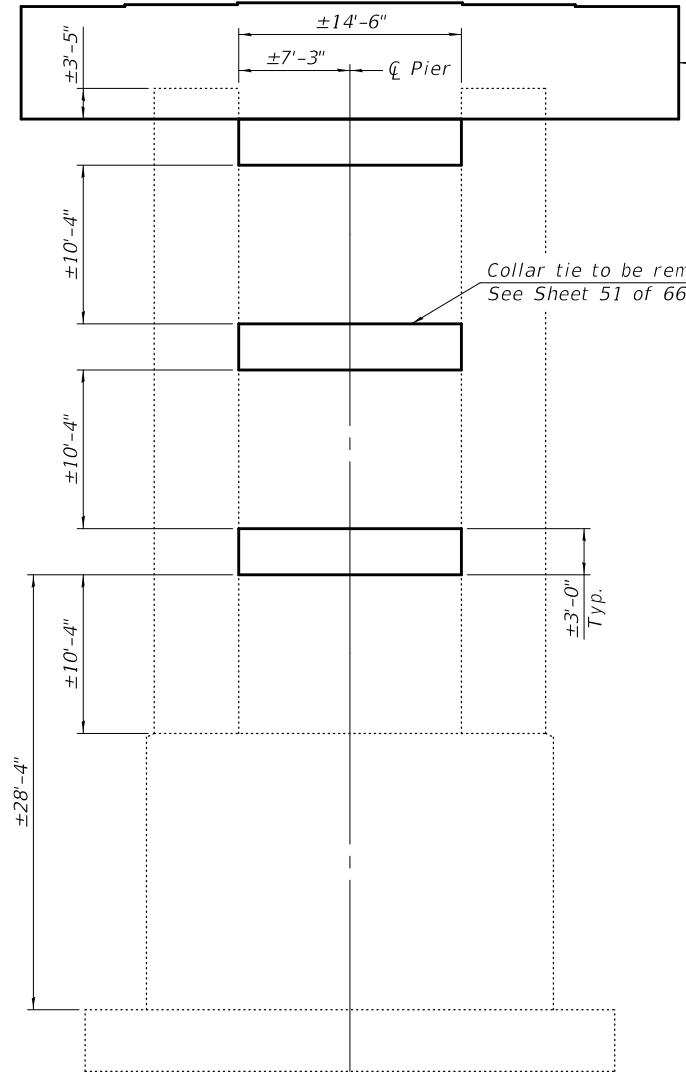
SHEET 58 OF 66 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	114
CONTRACT NO. 70A92				
		ILLINOIS	FED. AID PROJECT	

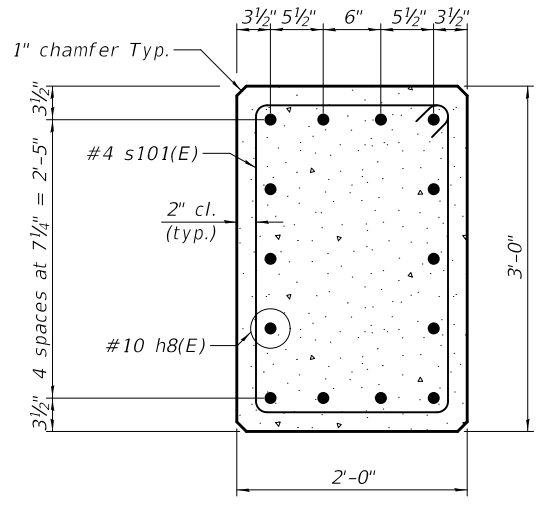
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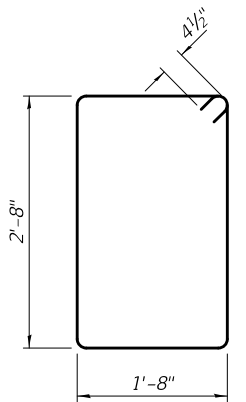
PLAN



ELEVATION
(Looking East)



SECTION A-A

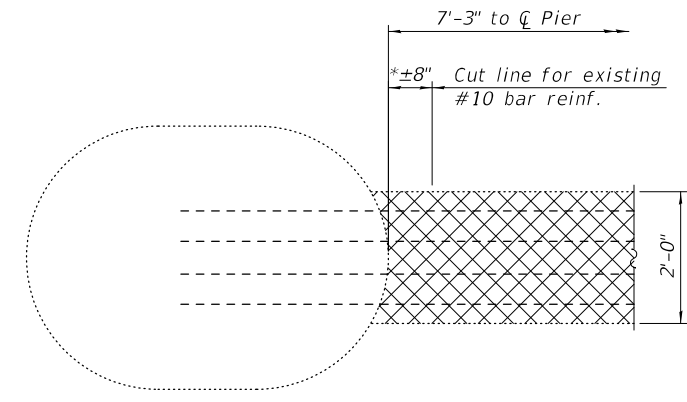


BAR s101(E)

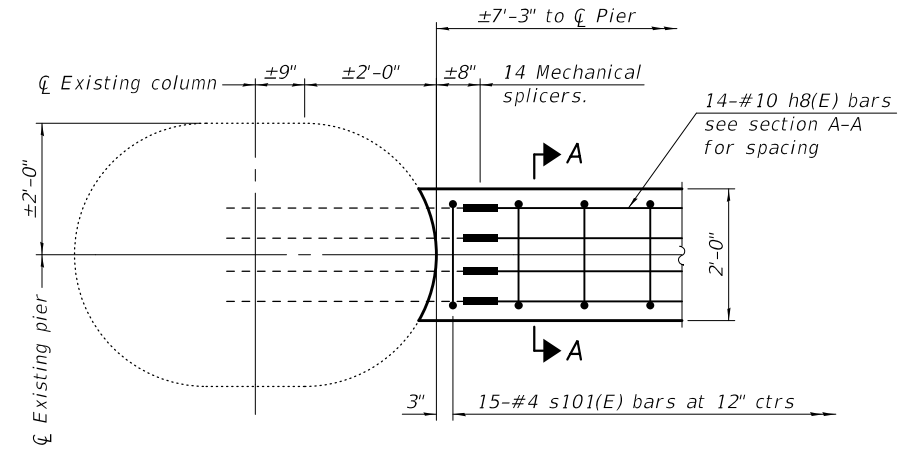
For details of new pier cap, see sheet 60 of 66.

Collar tie to be removed and replaced, typ. See Sheet 51 of 66 for removal details.

* Prior to cutting existing bars, the Contractor must verify that proper length is provided to engage mechanical splicers as recommended by the manufacturer.



TYPICAL PARTIAL REMOVAL PLAN
(Cross-hatched area indicates concrete removal, See sheet 51 of 66 for removal details and pay items).



TYPICAL PARTIAL PLAN

Notes:
 Only one collar tie is to be removed and replaced at a time. A Temporary Support System is required to support the existing columns during the removal and replacement of each collar tie. See Special Provisions.
 Existing reinforcement extending into the removal area shall be cleaned, straightened, cut as shown and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.
 For mechanical splicer details, see sheet 66 of 66.

****BILL OF MATERIAL**
PIER NO. 1A - SN 092-0007, WB

Bar	No.	Size	Length	Shape
h8(E)	42	#10	13'-2"	—
s101(E)	45	#4	9'-5"	□
Temporary Support System			Each	1
Concrete Structures			Cu. Yd.	9.7
Reinforcement Bars, Epoxy Coated			Pound	2660

**Collar tie repairs only

DESIGNED -	CRYSTAL D. STONE
CHECKED -	JASON A. KERN
DRAWN -	DENNIS A. POP
CHECKED -	C.D.S. / J.A.K. / S.E.M.

EXAMINED	<i>Joanne F. Joffe</i> ENGINEER OF BRIDGE DESIGN
PASSED	<i>Carl Kasper</i> ENGINEER OF BRIDGES AND STRUCTURES

DATE -	July 2, 2020
REVISED -	
REVISED -	

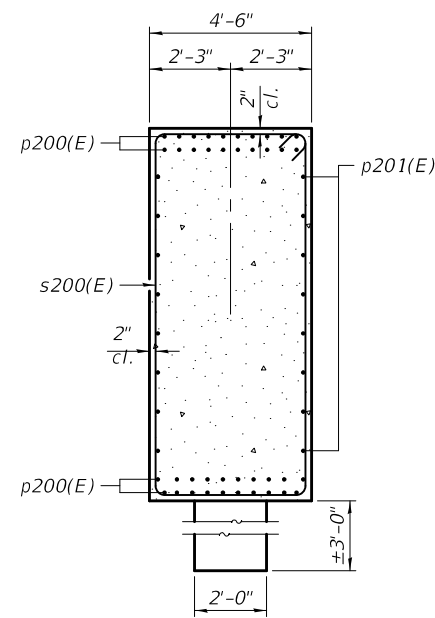
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PIER 1A COLLAR TIE DETAILS
 STRUCTURE NO. 092-0007

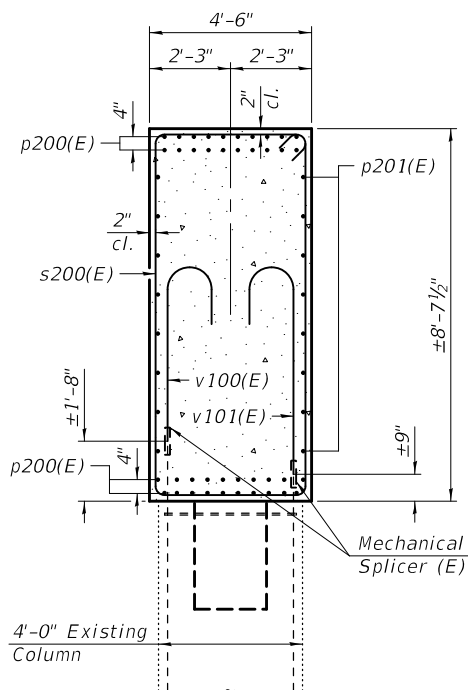
SHEET 59 OF 66 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	115
CONTRACT NO. 70A92				
ILLINOIS FED. AID PROJECT				

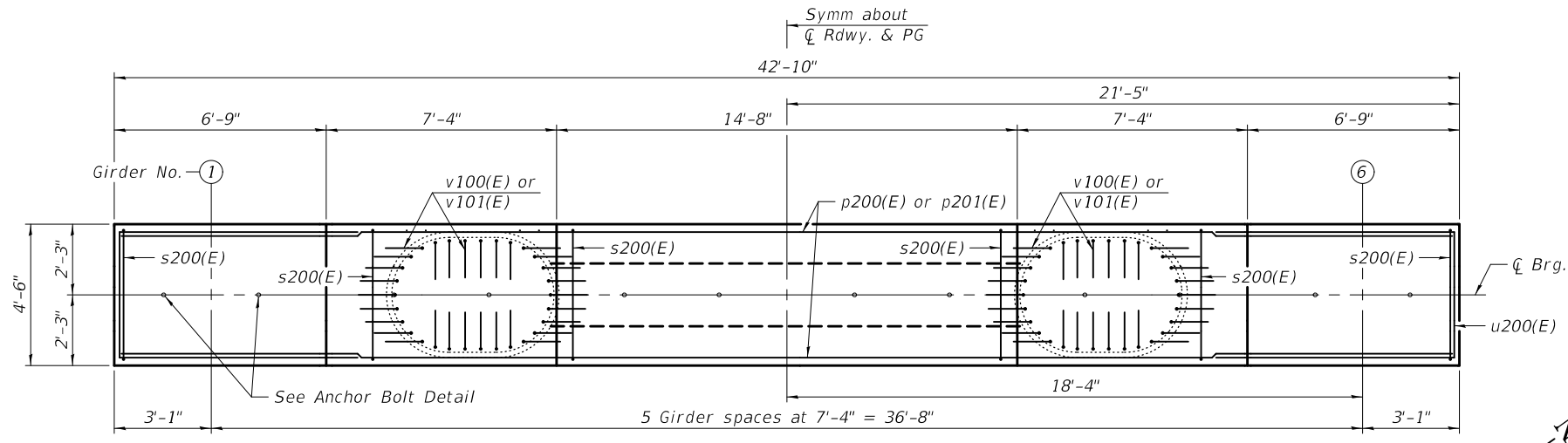
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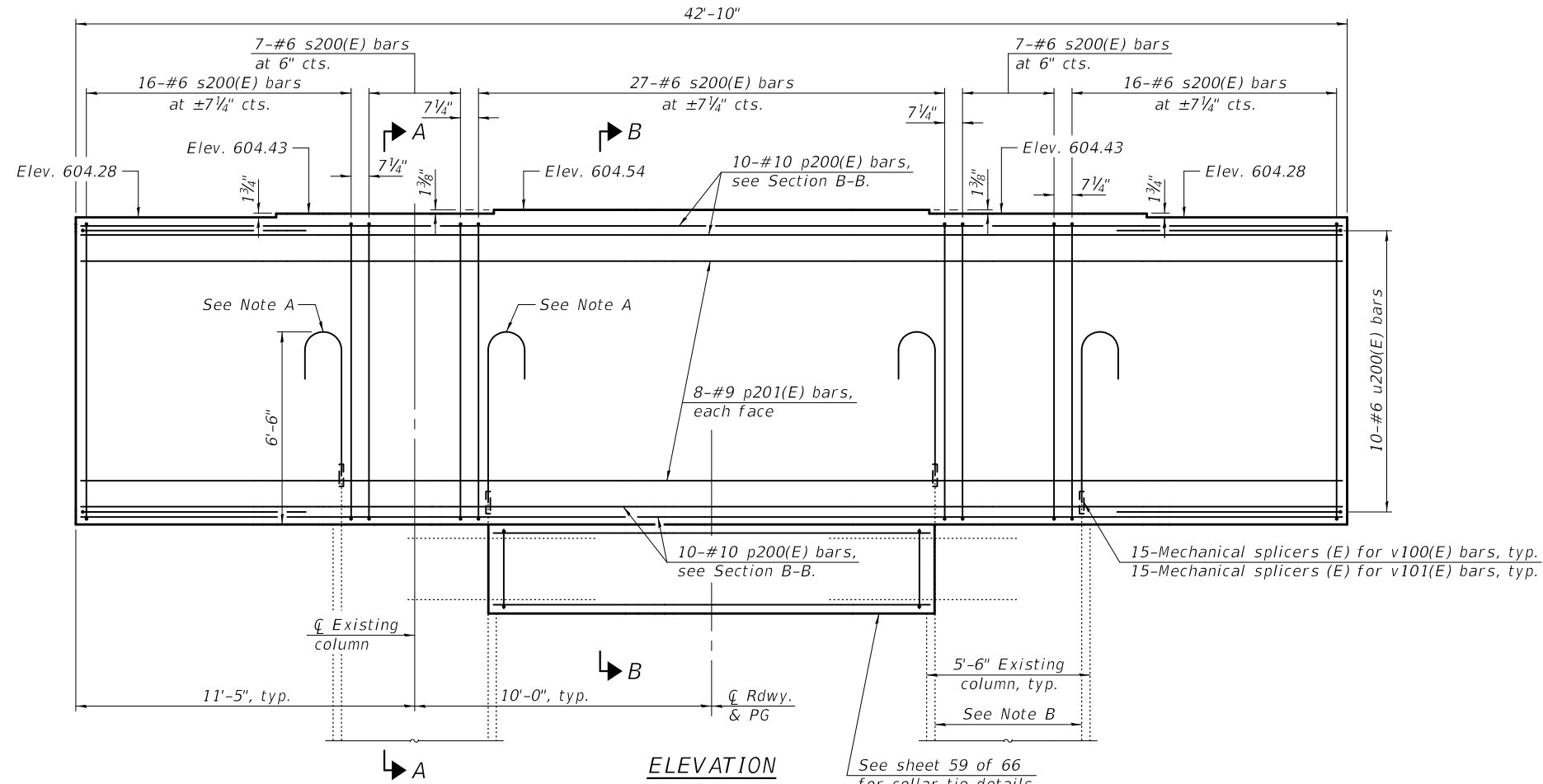
SECTION B-B



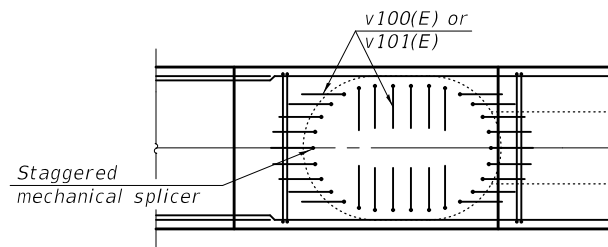
SECTION A-A



TOP PLAN

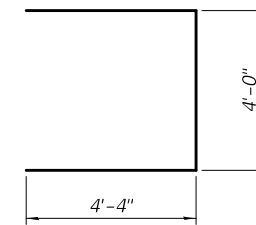


ELEVATION
(Looking East)

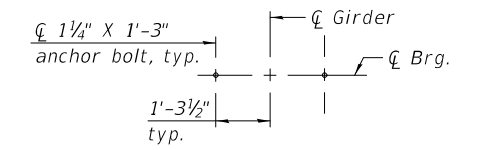


DETAIL A

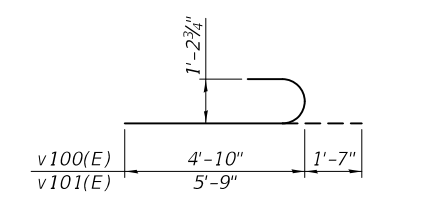
(Plan view of partial cap showing possible hook orientation of v100(E) or v101(E) bars.)



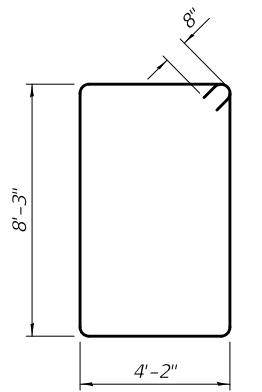
BAR u200(E)



ANCHOR BOLT DETAIL



BARS v100(E) & v101(E)



BAR s200(E)

Notes:
 Space reinforcement to miss anchor bolts.
 Pour steps monolithically with cap.
 For mechanical splicer details, see sheet 66 of 66.

Note A:
 - 30-#11 bars. Alternate 15-v100(E) with 15-v101(E) bars, typ. each column
 Rotate hooks to maintain 2 1/2" bar clearance (min.) in cap. See Detail A.
 - 30 Mechanical Splicers (E) for v100(E) and v101(E) bars.
 - 15 alternate existing #11 vertical bars shall keep the 1'-8" stickout above bottom of new cap and be mechanically spliced to the v100(E) bars. The other alternate existing #11 vertical bars shall be cut off to provide sufficient stickout above bottom of new cap to be mechanically spliced to the v101(E) bars. Stickout of these cut off existing bars was taken to be 9" to determine length of the v101(E) bars for plans. Contractor shall submit the detail of proposed mechanical splicers from IDOT approved list, proposed cut location of existing alternate bars, and any proposed modification for v101(E) bar for review and approval prior to cutting any rebar. The upper and lower mechanical splicers shall be staggered. Cost of field cutting these existing rebars included in Concrete Structures.

Note B:
 The existing reinforcement shall be cleaned and incorporated into the new construction.

BILL OF MATERIAL - PIER NO. 1A

Bar	No.	Size	Length	Shape
p200(E)	40	#10	42'-6"	—
p201(E)	16	#9	42'-6"	—
s200(E)	73	#6	26'-2"	□
u200(E)	20	#6	12'-8"	U
v100(E)	30	#11	6'-5"	⌋
v101(E)	30	#11	7'-4"	⌋
Concrete Structures			Cu. Yd.	62.6
Reinforcement Bars, Epoxy Coated			Pound	15070

DESIGNED - CRYSTAL D. STONE	EXAMINED - <i>Joanne F. J. [Signature]</i>	DATE - July 2, 2020
CHECKED - JASON A. KERN	PASSED - <i>Carl [Signature]</i>	REVISIONS -
DRAWN - DENNIS A. POP		
CHECKED - C.D.S. / J.A.K. / S.E.M.		

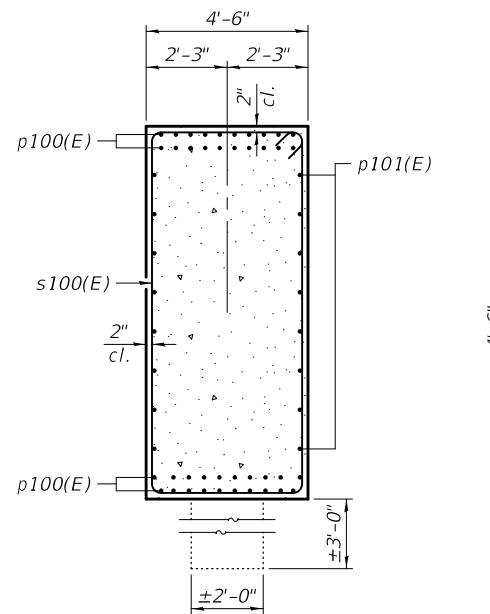
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PIER 1A DETAILS
 STRUCTURE NO. 092-0007

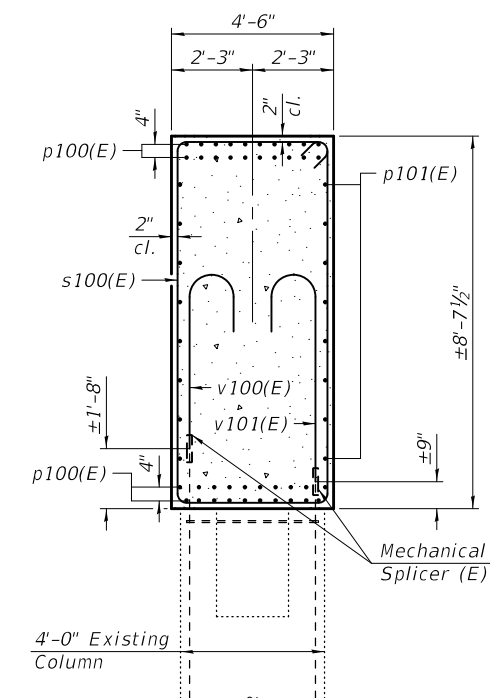
SHEET 60 OF 66 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	116
CONTRACT NO. 70A92				
ILLINOIS FED. AID PROJECT				

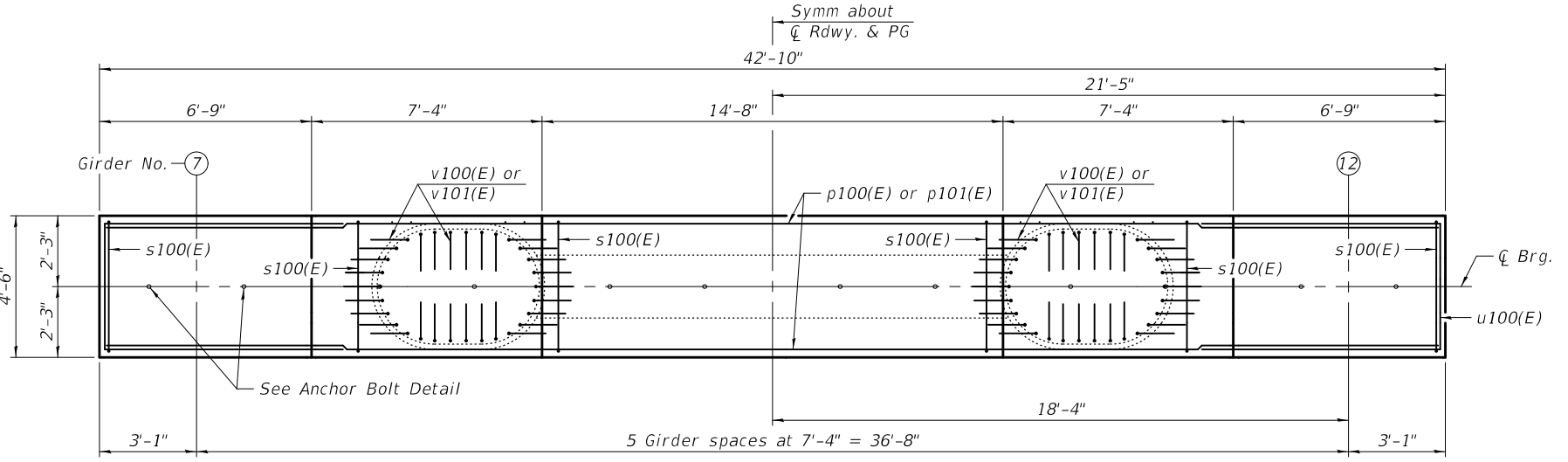
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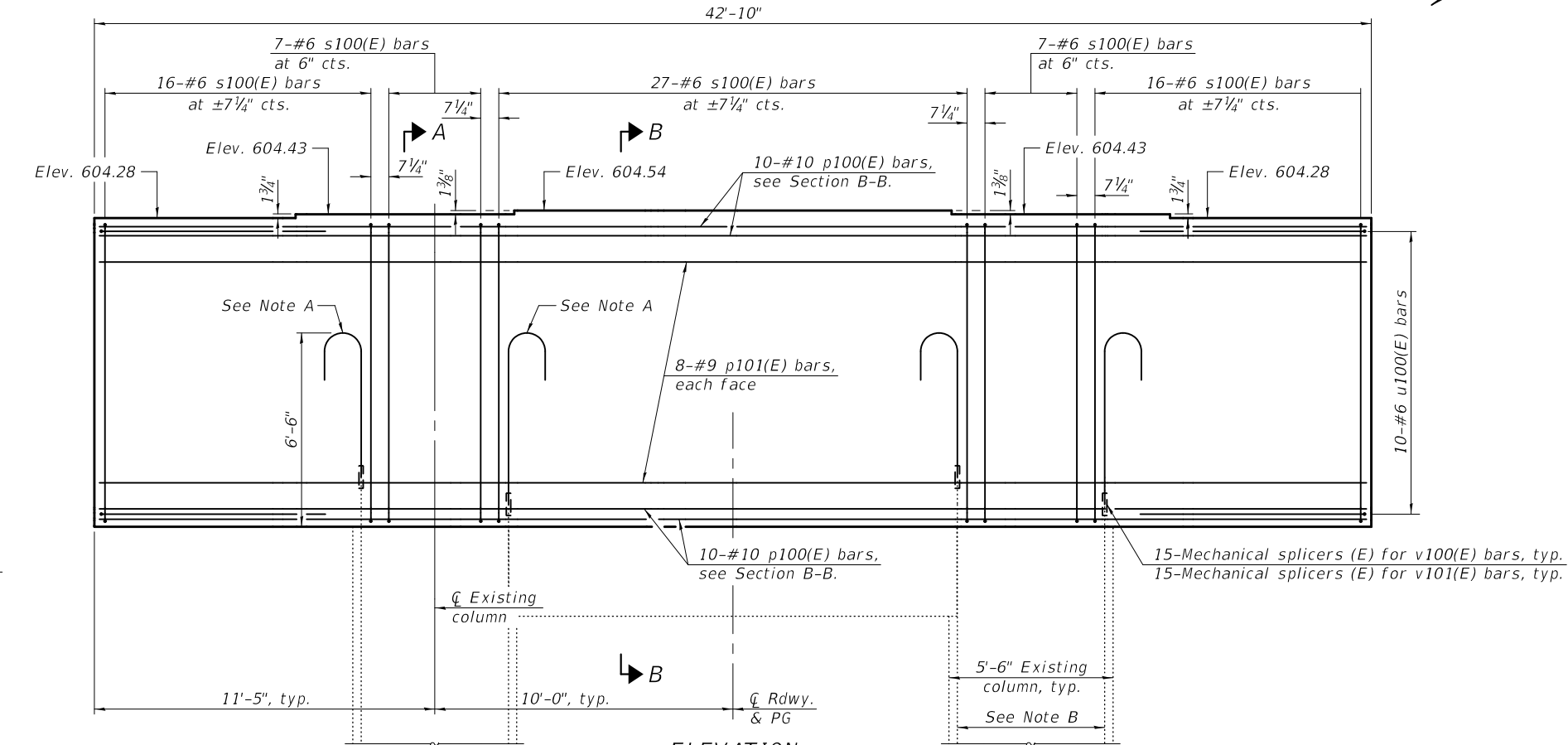
SECTION B-B



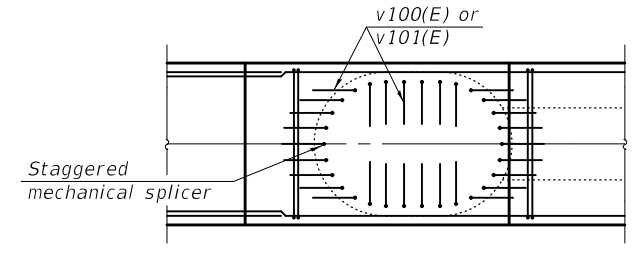
SECTION A-A



TOP PLAN

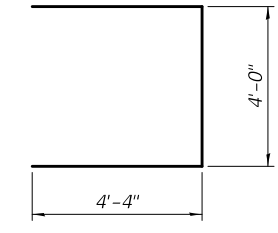


ELEVATION
(Looking East)

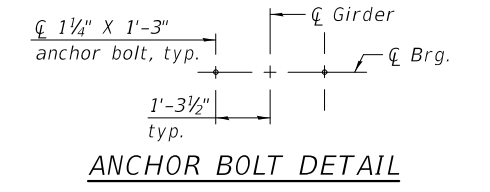


DETAIL A

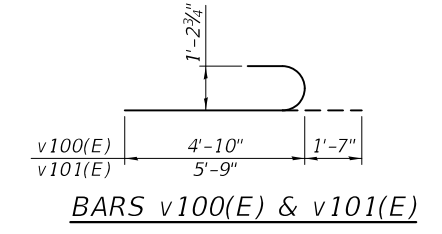
(Plan view of partial cap showing possible hook orientation of v100(E) or v101(E) bars.)



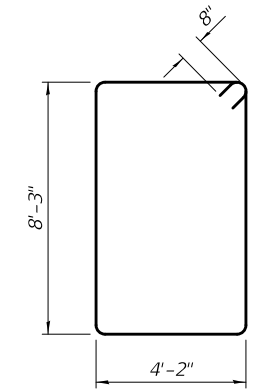
BAR u100(E)



ANCHOR BOLT DETAIL

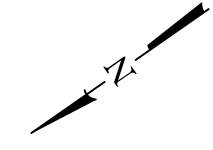


BARS v100(E) & v101(E)



BAR s100(E)

Notes:
 Space reinforcement to miss anchor bolts.
 Pour steps monolithically with cap.
 For mechanical splicer details, see sheet 66 of 66.



Note A:
 -30-#11 bars. Alternate 15-v100(E) with 15-v101(E) bars, typ. each column
 Rotate hooks to maintain 2 1/2" bar clearance (min.) in cap. See Detail A.
 -30 Mechanical Splicers (E) for v100(E) and v101(E) bars.
 -15 alternate existing #11 vertical bars shall keep the 1'-8" stickout above bottom of new cap and be mechanically spliced to the v100(E) bars. The other alternate existing #11 vertical bars shall be cut off to provide sufficient stickout above bottom of new cap to be mechanically spliced to the v101(E) bars. Stickout of these cut off existing bars was taken to be 9" to determine length of the v101(E) bars for plans. Contractor shall submit the detail of proposed mechanical splicers from IDOT approved list, proposed cut location of existing alternate bars, and any proposed modification for v101(E) bar for review and approval prior to cutting any rebar. The upper and lower mechanical splicers shall be staggered. Cost of field cutting these existing rebars included in Concrete Structures.

Note B:
 The existing reinforcement shall be cleaned and incorporated into the new construction.

BILL OF MATERIAL - PIER NO. 1A

Bar	No.	Size	Length	Shape
p100(E)	40	#10	42'-6"	—
p101(E)	16	#9	42'-6"	—
s100(E)	73	#6	26'-2"	□
u100(E)	20	#6	12'-8"	U
v100(E)	30	#11	6'-5"	—
v101(E)	30	#11	7'-4"	—
Concrete Structures		Cu. Yd.	62.6	
Reinforcement Bars, Epoxy Coated		Pound	15070	

DESIGNED - CRYSTAL D. STONE	EXAMINED -
CHECKED - JASON A. KERN	PASSED -
DRAWN - DENNIS A. POP	
CHECKED - C.D.S. / J.A.K. / S.E.M.	

DATE - July 2, 2020
 ENGINEER OF BRIDGES AND STRUCTURES
 ENGINEER OF BRIDGES AND STRUCTURES

REVISD -
REVISD -

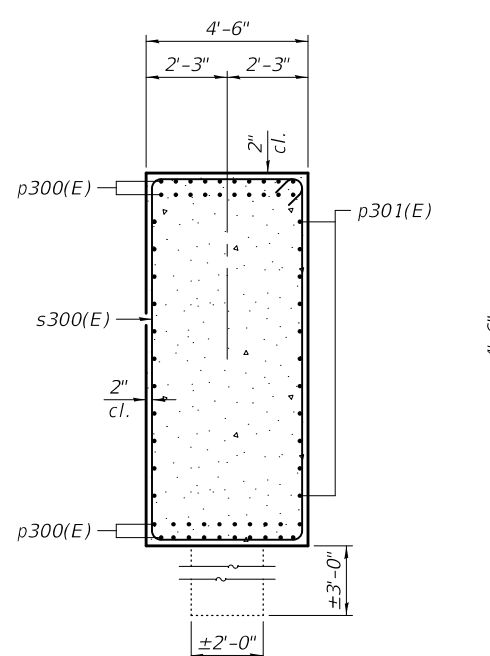
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PIER 1A DETAILS
 STRUCTURE NO. 092-0006

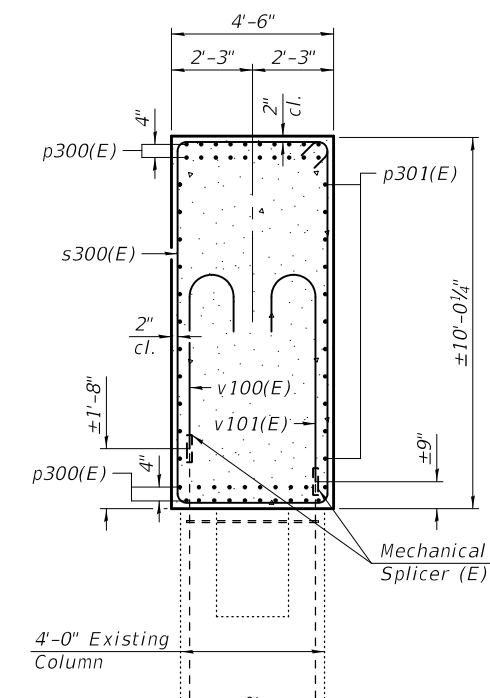
SHEET 61 OF 66 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	117
CONTRACT NO. 70A92				
ILLINOIS FED. AID PROJECT				

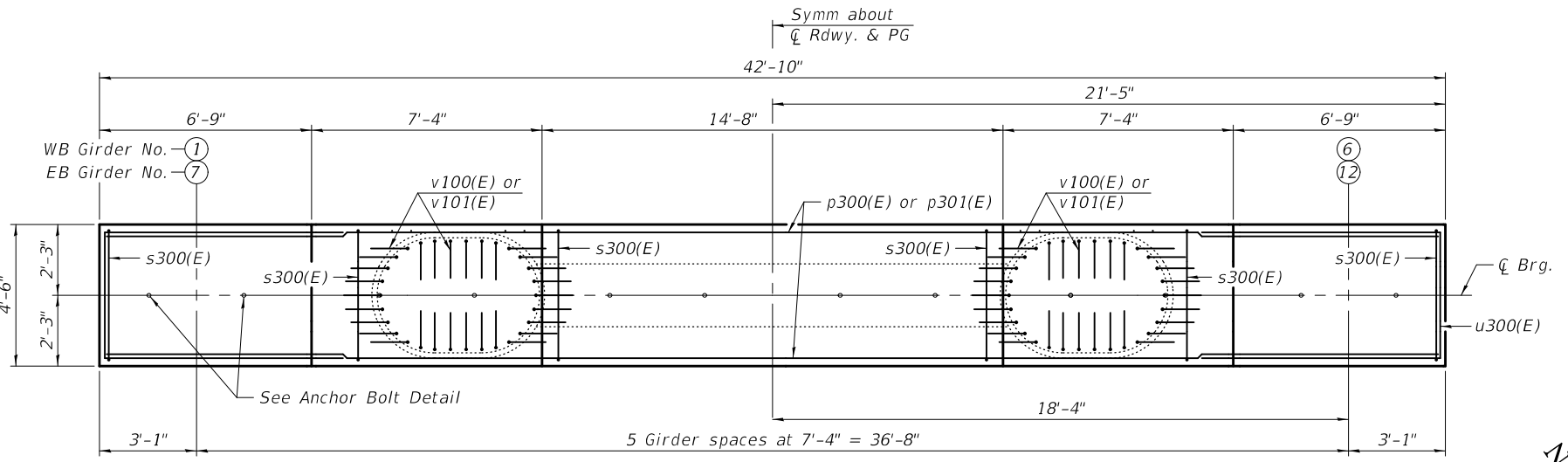
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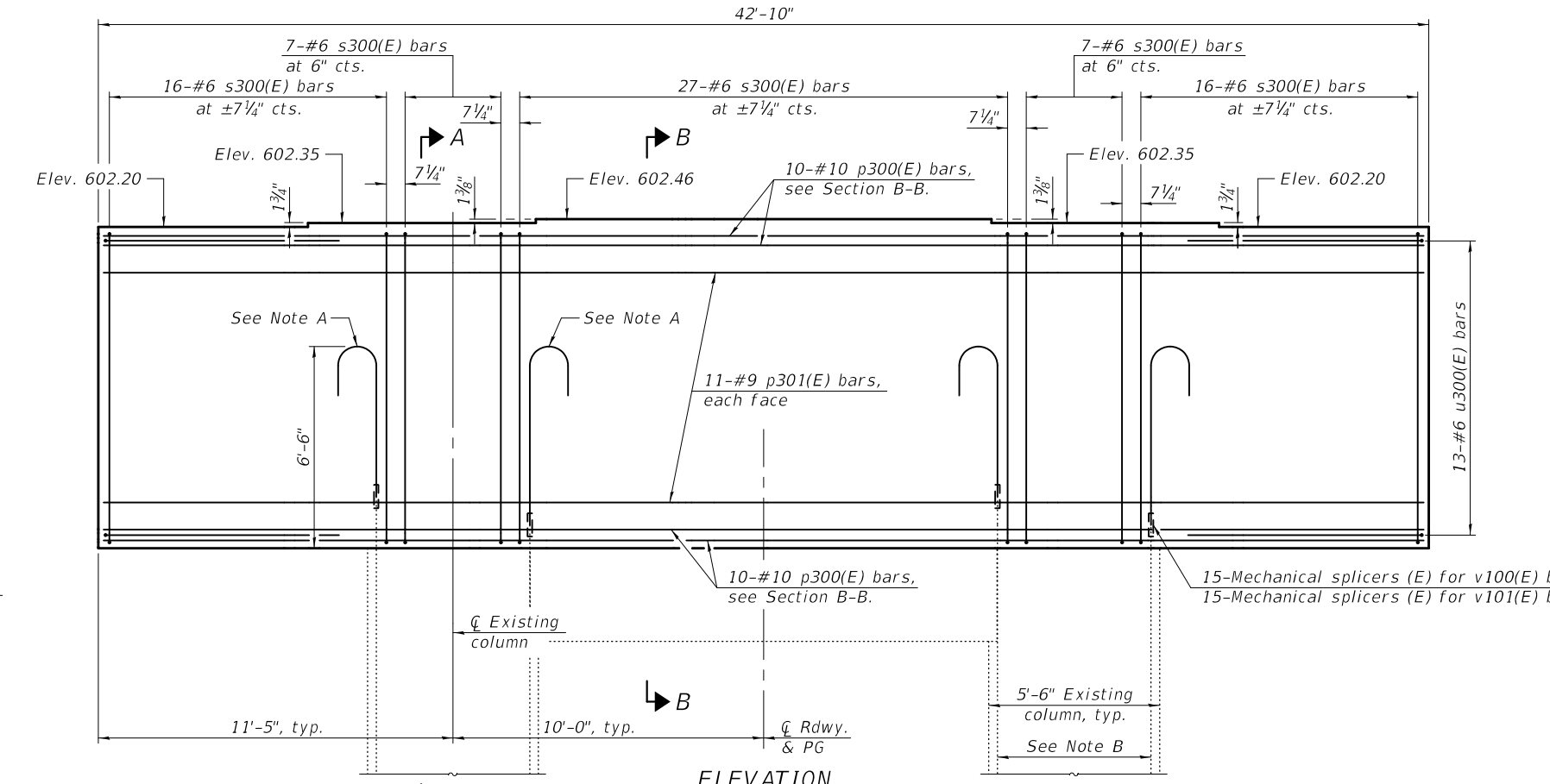
SECTION B-B



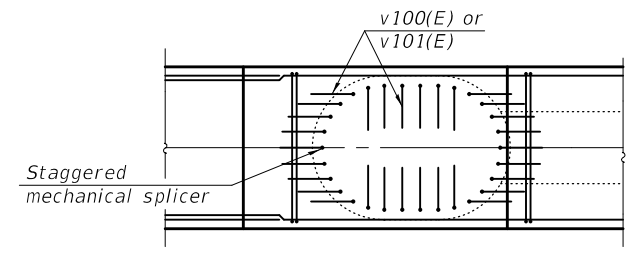
SECTION A-A



TOP PLAN



ELEVATION
(Looking East)

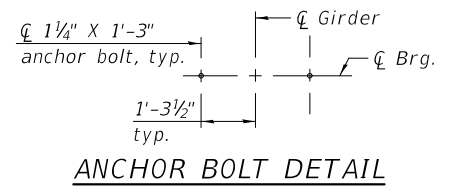


DETAIL A
(Plan view of partial cap showing possible hook orientation of v100(E) or v101(E) bars).

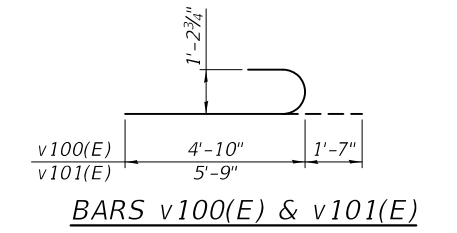
Note A:
 -30-#11 bars. Alternate 15-v100(E) with 15-v101(E) bars, typ. each column. Rotate hooks to maintain 2 1/2" bar clearance (min.) in cap. See Detail A.
 -30 Mechanical Splicers (E) for v100(E) and v101(E) bars.
 -15 alternate existing #11 vertical bars shall keep the 1'-8" stickout above bottom of new cap and be mechanically spliced to the v100(E) bars. The other alternate existing #11 vertical bars shall be cut off to provide sufficient stickout above bottom of new cap to be mechanically spliced to the v101(E) bars. Stickout of these cut off existing bars was taken to be 9" to determine length of the v101(E) bars for plans. Contractor shall submit the detail of proposed mechanical splicers from IDOT approved list, proposed cut location of existing alternate bars, and any proposed modification for v101(E) bar for review and approval prior to cutting any rebar. The upper and lower mechanical splicers shall be staggered. Cost of field cutting these existing rebars included in Concrete Structures.

Note B:
 The existing reinforcement shall be cleaned and incorporated into the new construction.

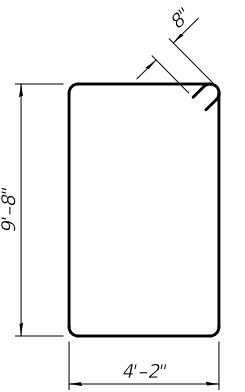
Notes:
 Space reinforcement to miss anchor bolts.
 Pour steps monolithically with cap.
 For mechanical splicer details, see sheet 66 of 66.



ANCHOR BOLT DETAIL



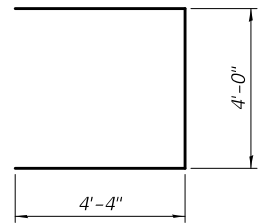
BARS v100(E) & v101(E)



BAR s300(E)

BILL OF MATERIAL
 PIER NO. 1 - TWO PIERS

Bar	No.	Size	Length	Shape
p300(E)	80	#10	42'-6"	—
p301(E)	44	#9	42'-6"	—
s300(E)	146	#6	29'-0"	□
u300(E)	52	#6	12'-8"	□
v100(E)	60	#11	6'-5"	—
v101(E)	60	#11	7'-4"	—
Concrete Structures		Cu. Yd.	145.0	
Reinforcement Bars, Epoxy Coated		Pound	32720	



BAR u300(E)

DESIGNED - CRYSTAL D. STONE
 CHECKED - JASON A. KERN
 DRAWN - DENNIS A. POP
 CHECKED - C.D.S. / J.A.K. / S.E.M.

EXAMINED
 PASSED
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - July 2, 2020
 REVISED -
 REVISED -

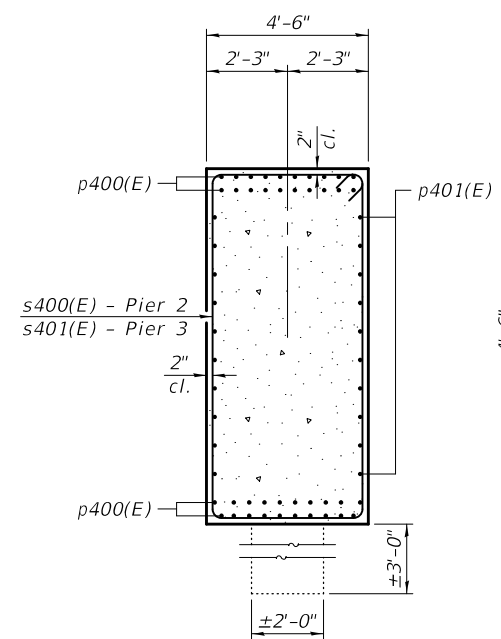
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PIER 1 DETAILS
 STRUCTURE NO. 092-0006 & 092-0007

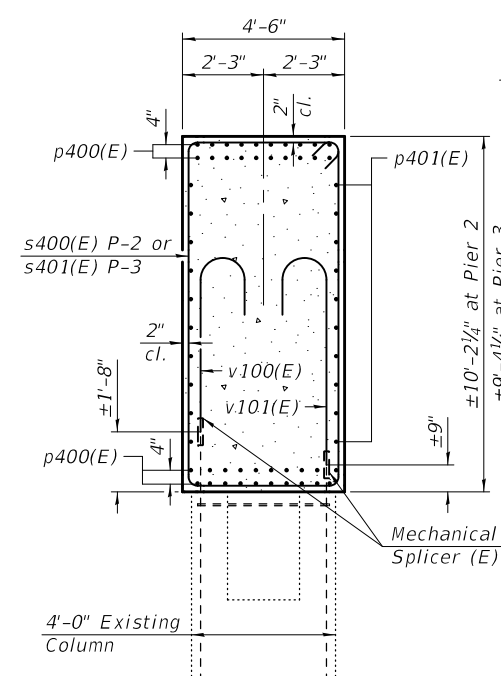
SHEET 62 OF 66 SHEETS

F.A.I. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
 74 (92-11)BR-1 VERMILION 161 118
 CONTRACT NO. 70A92
 ILLINOIS FED. AID PROJECT

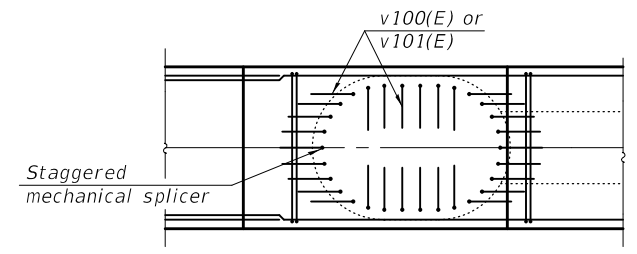
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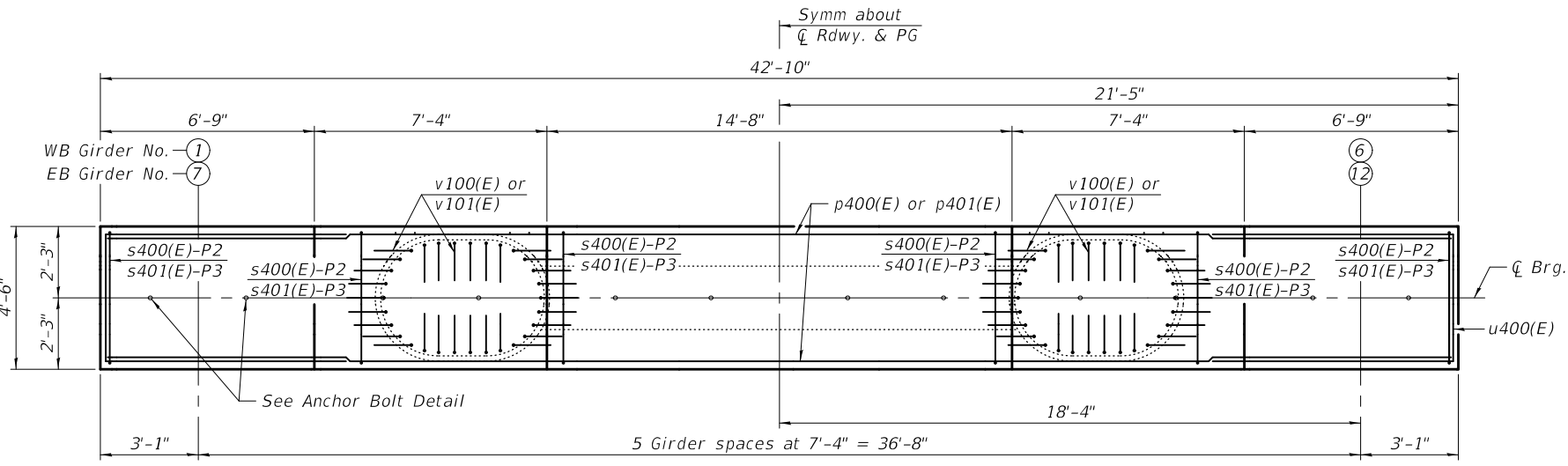
SECTION B-B



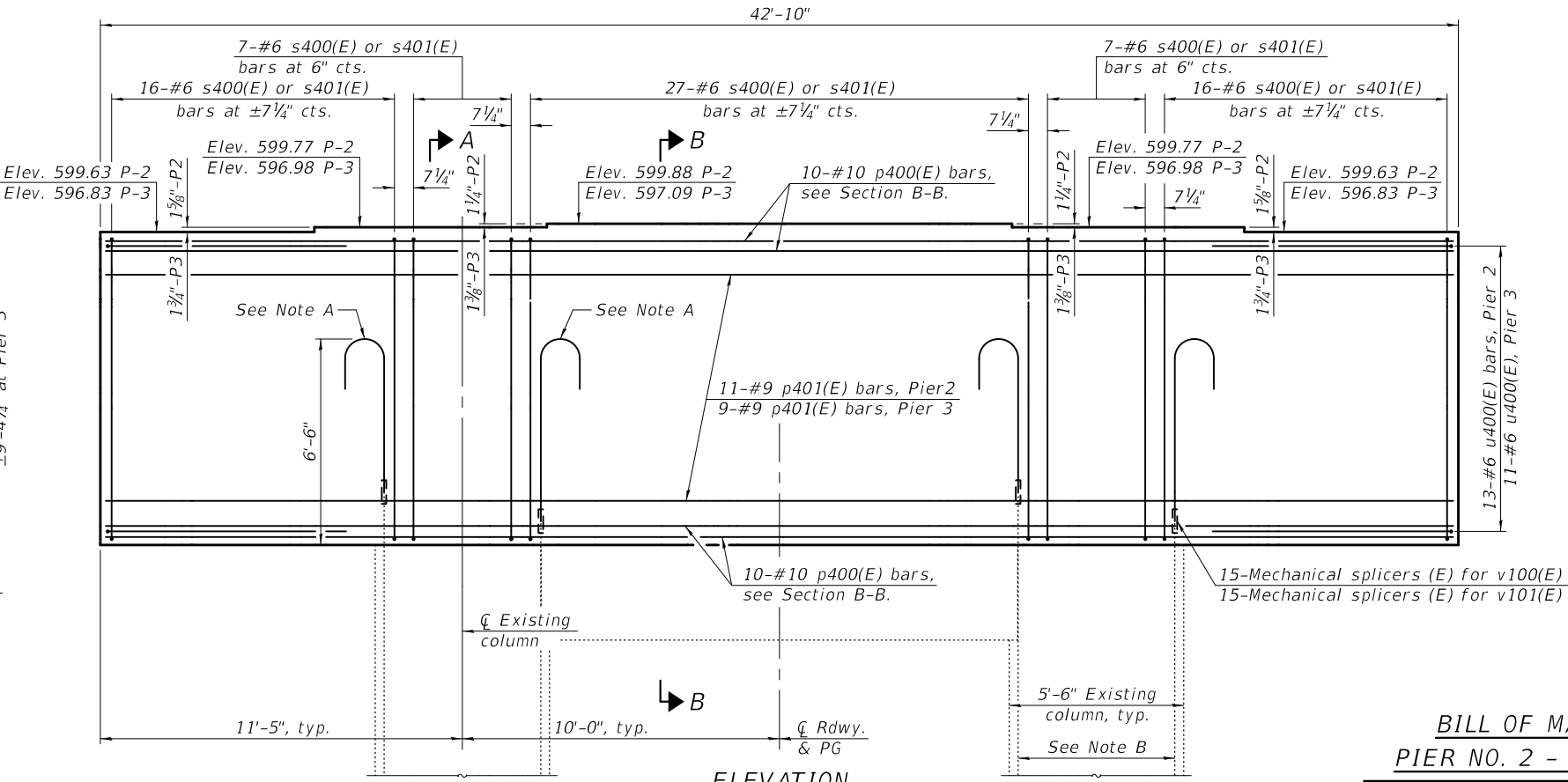
SECTION A-A



DETAIL A
 (Plan view of partial cap showing possible hook orientation of v100(E) or v101(E) bars).



TOP PLAN

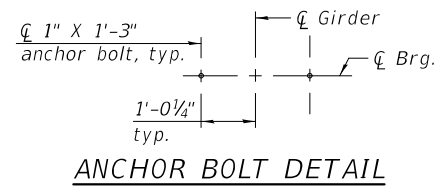


ELEVATION
 (Looking East)

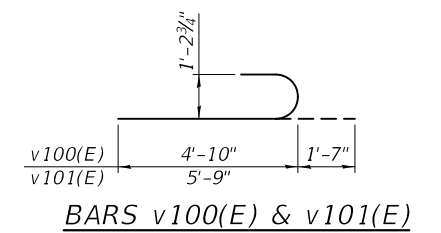
Note A:
 -30-#11 bars. Alternate 15-v100(E) with 15-v101(E) bars, typ. each column. Rotate hooks to maintain 2 1/2" bar clearance (min.) in cap. See Detail A.
 -30 Mechanical Splicers (E) for v100(E) and v101(E) bars.
 -15 alternate existing #11 vertical bars shall keep the 1'-8" stickout above bottom of new cap and be mechanically spliced to the v100(E) bars. The other alternate existing #11 vertical bars shall be cut off to provide sufficient stickout above bottom of new cap to be mechanically spliced to the v101(E) bars. Stickout of these cut off existing bars was taken to be 9" to determine length of the v101(E) bars for plans. Contractor shall submit the detail of proposed mechanical splicers from IDOT approved list, proposed cut location of existing alternate bars, and any proposed modification for v101(E) bar for review and approval prior to cutting any rebar. The upper and lower mechanical splicers shall be staggered. Cost of field cutting these existing rebars included in Concrete Structures.

Note B:
 The existing reinforcement shall be cleaned and incorporated into the new construction.

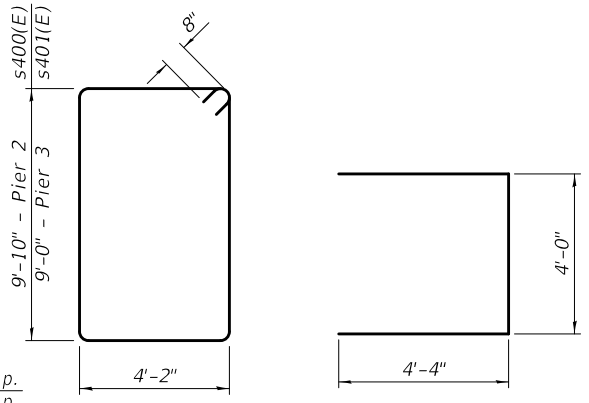
Notes:
 Space reinforcement to miss anchor bolts.
 Pour steps monolithically with cap.
 For mechanical splicer details, see sheet 66 of 66.



ANCHOR BOLT DETAIL



BARS v100(E) & v101(E)



BARS s400(E) & s401(E)

BAR u400(E)

BILL OF MATERIAL
 PIER NO. 2 - TWO PIERS

Bar	No.	Size	Length	Shape
p400(E)	80	#10	42'-6"	—
p401(E)	44	#9	42'-6"	—
s400(E)	146	#6	29'-4"	□
u400(E)	52	#6	12'-8"	□
v100(E)	60	#11	6'-5"	↵
v101(E)	60	#11	7'-4"	↵
Concrete Structures			Cu. Yd.	147.2
Reinforcement Bars, Epoxy Coated			Pound	32790

BILL OF MATERIAL
 PIER NO. 3 - TWO PIERS

Bar	No.	Size	Length	Shape
p400(E)	80	#10	42'-6"	—
p401(E)	36	#9	42'-6"	—
s401(E)	146	#6	27'-8"	□
u400(E)	44	#6	12'-8"	□
v100(E)	60	#11	6'-5"	↵
v101(E)	60	#11	7'-4"	↵
Concrete Structures			Cu. Yd.	135.6
Reinforcement Bars, Epoxy Coated			Pound	31120

DESIGNED -	CRYSTAL D. STONE
CHECKED -	JASON A. KERN
DRAWN -	DENNIS A. POP
CHECKED -	C.D.S. / J.A.K. / S.E.M.

EXAMINED	 ENGINEER OF BRIDGE DESIGN	DATE -	July 2, 2020
PASSED		REVISOR -	

REVISOR -	
REVISOR -	

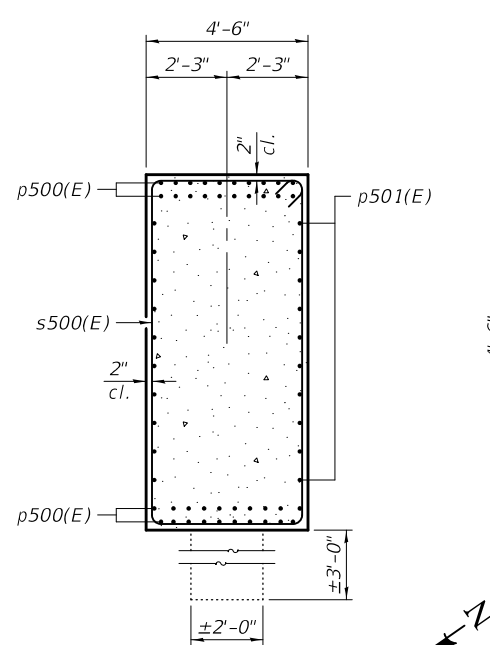
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PIERS 2 and 3 DETAILS
 STRUCTURE NO. 092-0006 & 092-0007

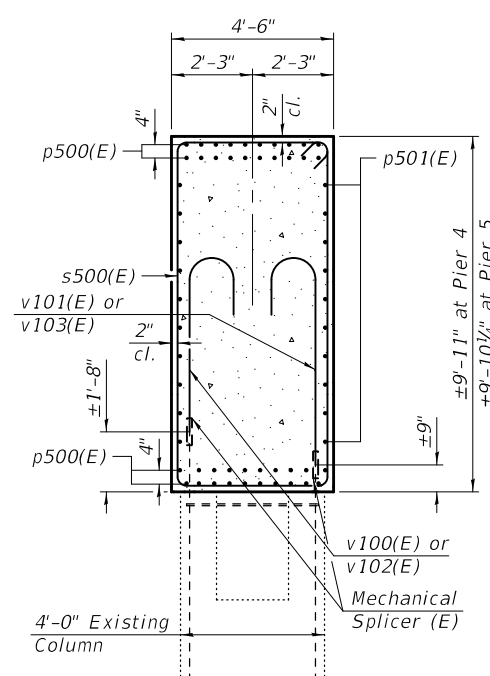
SHEET 63 OF 66 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	119
CONTRACT NO. 70A92				
ILLINOIS FED. AID PROJECT				

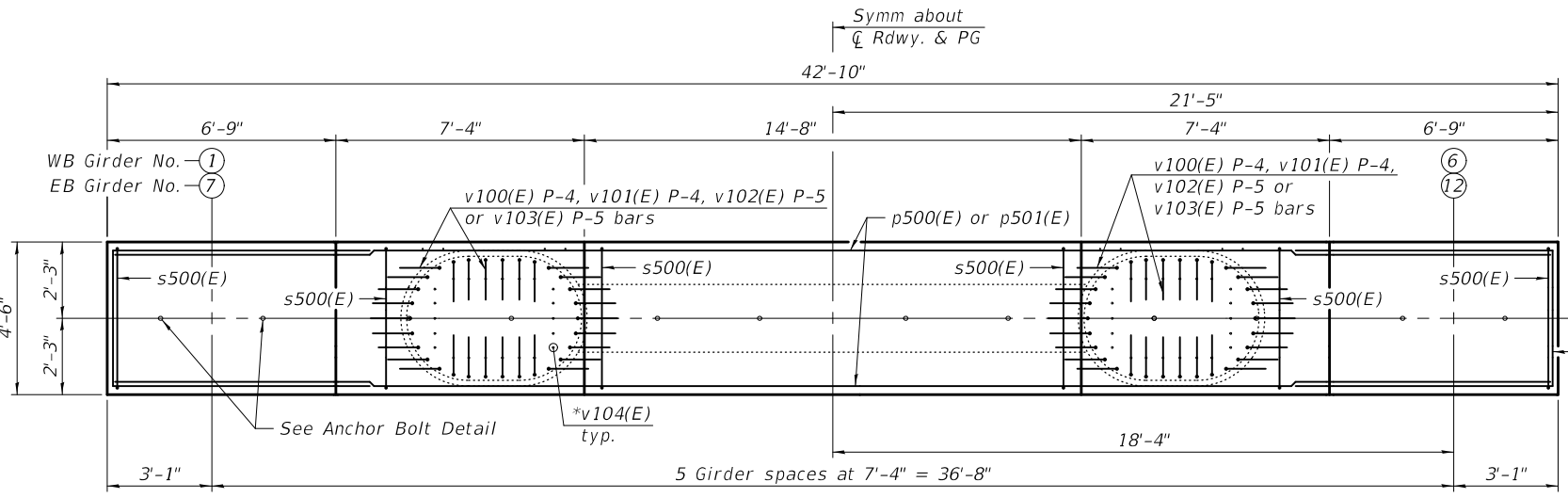
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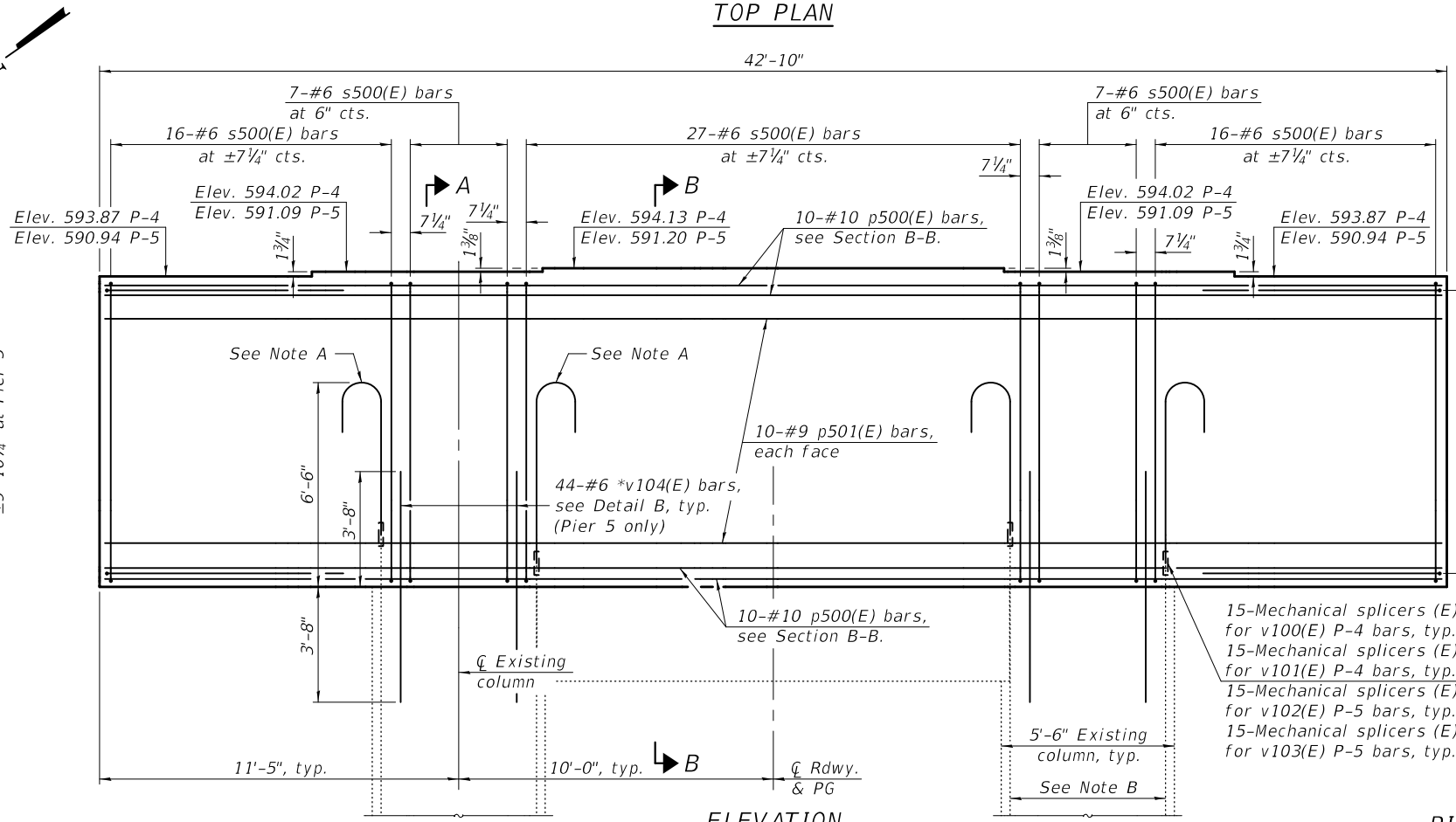
SECTION B-B



SECTION A-A
(*v104(E) bars at Pier 5 not shown)

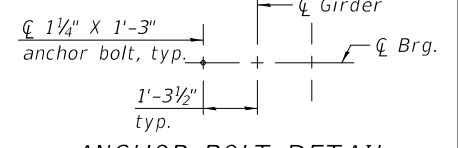


TOP PLAN

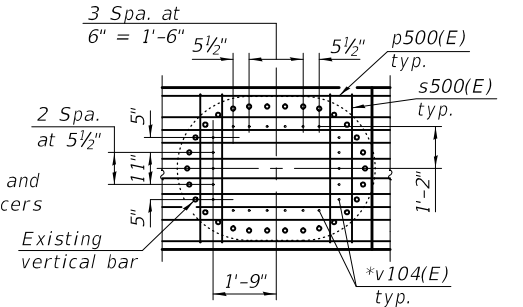


ELEVATION
(Looking East)

Notes:
 Space reinforcement to miss anchor bolts.
 Pour steps monolithically with cap.
 For mechanical splicer details, see sheet 66 of 66.
 At Pier 5, the Contractor shall not sawcut to remove the existing columns, since a roughened removal elevation surface is required for design.
 * Drill and grout v104(E) bars to depth shown according to Article 584 of the Standard Specifications. For use at Pier 5 only.



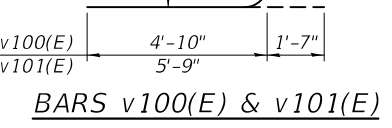
ANCHOR BOLT DETAIL



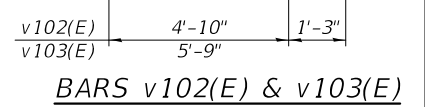
DETAIL B

Note:
 v102(E) or v103(E) bars and staggered mechanical splicers not shown for clarity.

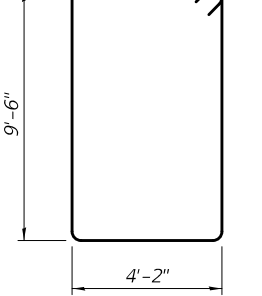
(For use with Pier 5 only)
 (Plan view of partial cap showing drilled and grouted v104(E) bars, existing vertical reinforcement bars, and p500(E) bars.)



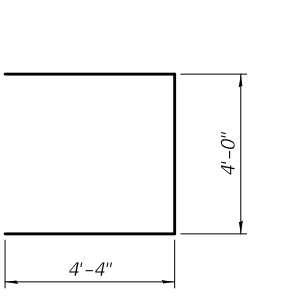
BARS v100(E) & v101(E)



BARS v102(E) & v103(E)



BAR s500(E)



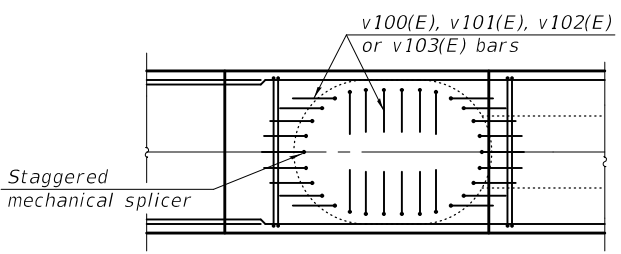
BAR u500(E)

BILL OF MATERIAL
PIER NO. 4 - TWO PIERS

Bar	No.	Size	Length	Shape
p500(E)	80	#10	42'-6"	—
p501(E)	40	#9	42'-6"	—
s500(E)	146	#6	28'-8"	□
u500(E)	48	#6	12'-8"	□
v100(E)	60	#11	6'-5"	↵
v101(E)	60	#11	7'-4"	↵
Concrete Structures		Cu. Yd.	143.6	
Reinforcement Bars, Epoxy Coated		Pound	31990	

BILL OF MATERIAL
PIER NO. 5 - TWO PIERS

Bar	No.	Size	Length	Shape
p500(E)	80	#10	42'-6"	—
p501(E)	40	#9	42'-6"	—
s500(E)	146	#6	28'-8"	□
u500(E)	48	#6	12'-8"	□
v102(E)	60	#9	6'-1"	↵
v103(E)	60	#9	7'-0"	↵
v104(E)	88	#6	7'-4"	—
Concrete Structures		Cu. Yd.	142.6	
Reinforcement Bars, Epoxy Coated		Pound	31250	



DETAIL A

(Plan view of partial cap showing possible hook orientation of v100(E), v101(E), v102(E) or v103(E) bars).

Note A:
 - 30-#11 bars at Pier 4, 30-#9 bars at Pier 5. Alternate 15-v100(E) with 15-v101(E) bars, typ. each column at Pier 4. Alternate v102(E) with v103(E) bars, typ. at Pier 5. Rotate hooks to maintain 2 1/2" bar clearance (min.). See Detail A.
 - 30 Mechanical Splicers (E) for v100(E), v101(E), v102(E) and v103(E) bars.
 - 15 alternate existing #11 vertical bars at Pier 4 or #9 bars at Pier 5 shall keep the 1'-8" stickout above bottom of new cap and be mechanically spliced to the v100(E) bars at Pier 4 or the v102(E) bars at Pier 5. The other alternate existing #11 vertical bars at Pier 4 and the alternate existing #9 bars at Pier 5 shall be cut off to provide sufficient stickout above bottom of new cap to be mechanically spliced to the v101(E) bars at Pier 4 or the v103(E) bars at Pier 5. Stickout of these cut off existing bars was taken to be 9" to determine length of the v101(E) or v103(E) bars for plans. Contractor shall submit the detail of proposed mechanical splicers from IDOT approved list, proposed cut location of existing alternate bars, and any proposed modification for v101(E) bar at Pier 4 and v103(E) bar at Pier 5 for review and approval prior to cutting any rebar. The upper and lower mechanical splicers shall be staggered. Cost of field cutting these existing rebars included in Concrete Structures.

Note B:
 The existing reinforcement shall be cleaned and incorporated into the new construction.

DESIGNED -	CRYSTAL D. STONE
CHECKED -	JASON A. KERN
DRAWN -	DENNIS A. POP
CHECKED -	C.D.S. / J.A.K. / S.E.M.

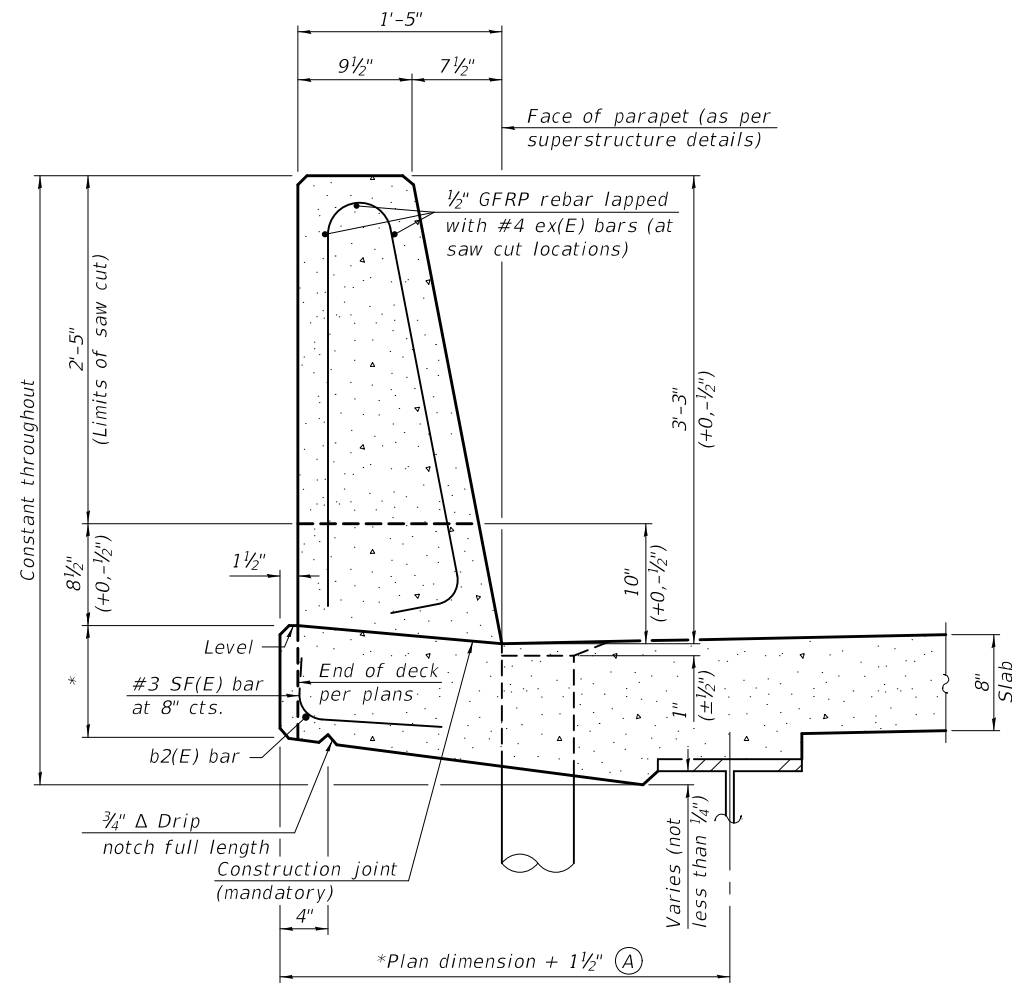
EXAMINED	<i>James F. Joffe</i>	DATE -	July 2, 2020
PASSED	<i>Carl Perry</i>	REVISED -	
	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIERS 4 and 5 DETAILS
STRUCTURE NO. 092-0006 & 092-0007

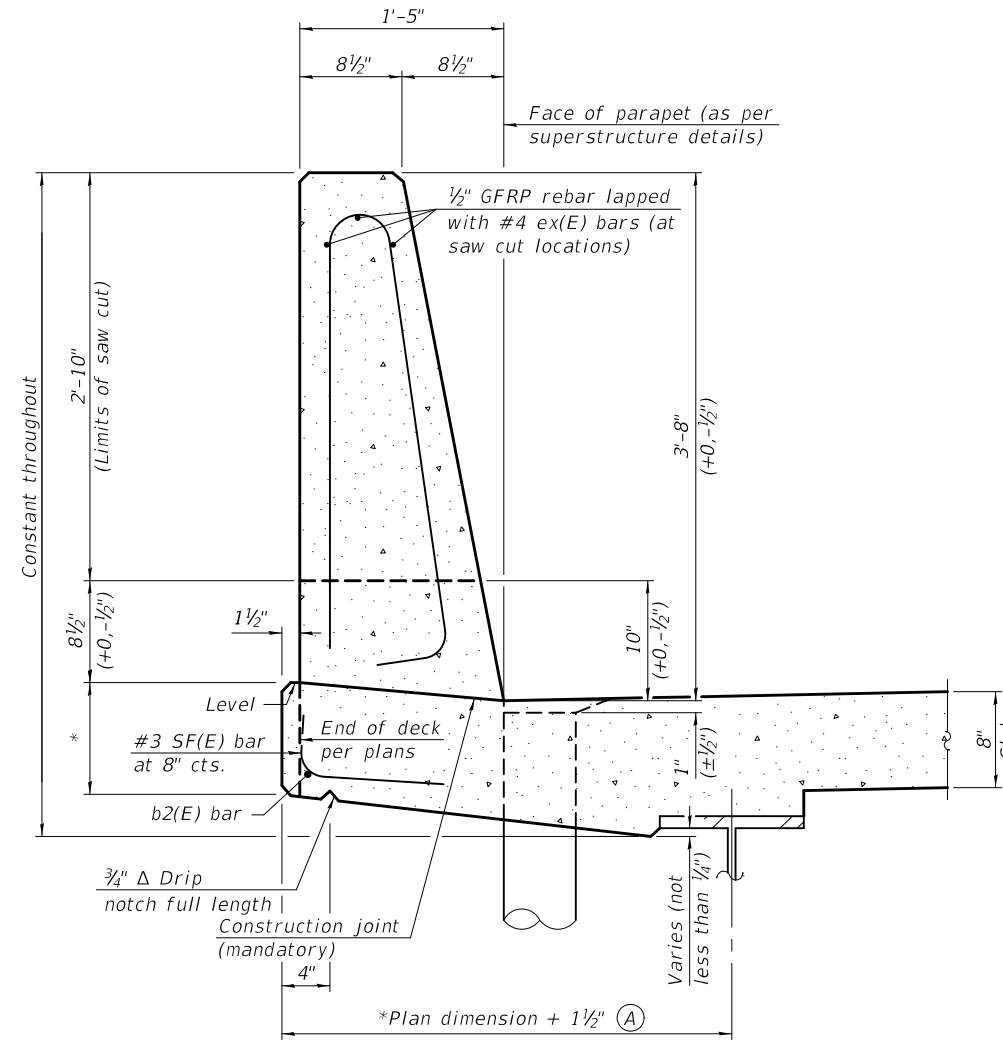
SHEET 64 OF 66 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	120
CONTRACT NO. 70A92				
ILLINOIS FED. AID PROJECT				



**39" CONSTANT-SLOPE
 PARAPET SECTION**

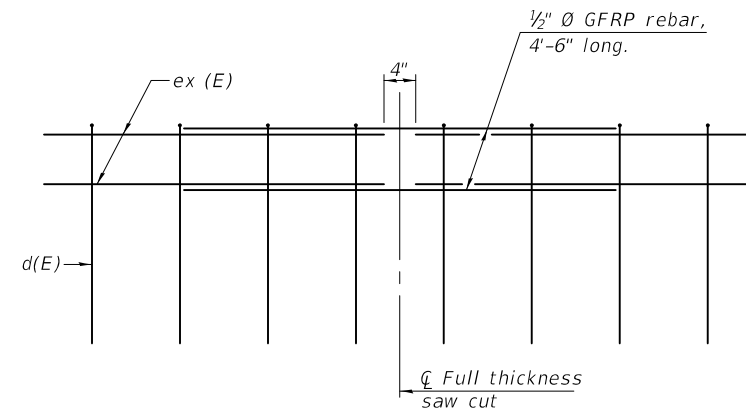
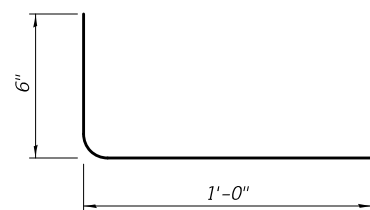
(Showing dimensions, d(E), and 1/2" Ø GFRP rebar)



**44" CONSTANT-SLOPE
 PARAPET SECTION**

(Showing dimensions, d(E), and 1/2" Ø GFRP rebar)

*See Superstructure Details.



GFRP REBAR STIFFENING DETAIL

(Place as shown in parapet section at each parapet joint location.)

Notes:
 All dimensions shall remain the same as shown on superstructure details, except dimension A which is to be revised as shown. Additional concrete needed to revise dimension A = 0.00348 cu. yds./ft. for 39" and 44" parapets.
 Place full depth aluminum sheets as shown on superstructure details.
 Replace all cork joint filler locations with a full thickness saw cut.
 Steel superstructure shown. Other superstructure types similar.

MODEL: 0920006-70A92-065
 FILE NAME: p:\planroom\dot.illinois.gov\p\DOT\Documents\DOT Offices and Structures\Projects\0920006\CADD Plans\0920006-70A92.dgn
 7/1/2020 2:59:55 PM

SFP 39-44

1-1-2020

DESIGNED -	CRYSTAL D. STONE
CHECKED -	JASON A. KERN
DRAWN -	DENNIS A. POP
CHECKED -	C.D.S. / J.A.K. / S.E.M.

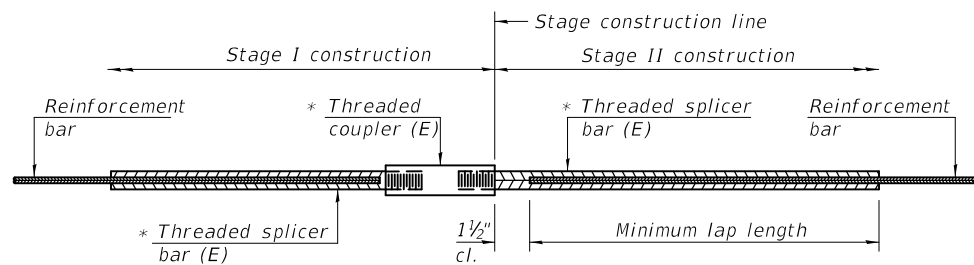
EXAMINED	<i>Joanne F. Joffe</i>	DATE -	July 2, 2020
PASSED	<i>Carl Perry</i>	REVISOR -	
	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CONCRETE PARAPET SLIPFORMING OPTION
 STRUCTURE NO. 092-0006 & 092-0007**

SHEET 65 OF 66 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	121
CONTRACT NO. 70A92				
ILLINOIS FED. AID PROJECT				

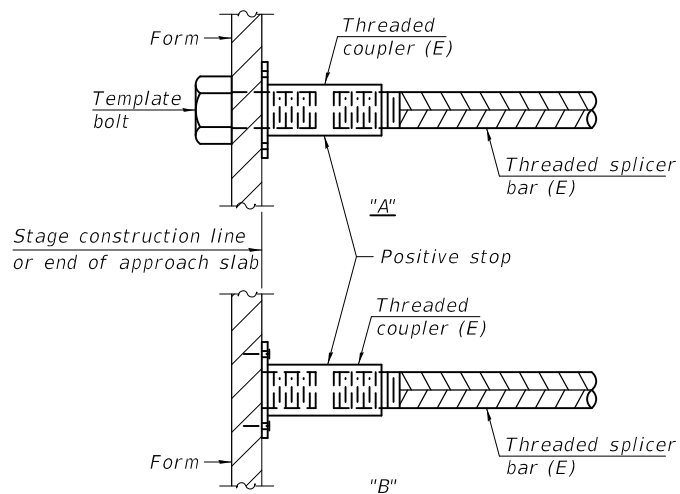


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length

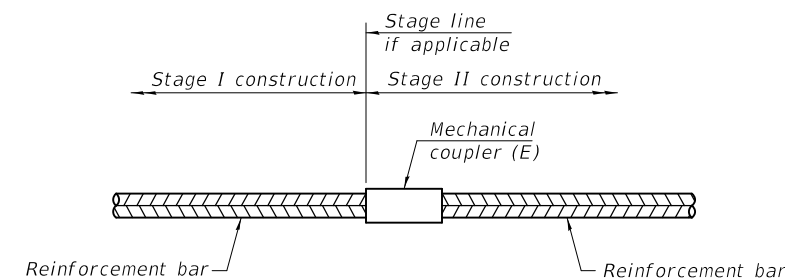


INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.

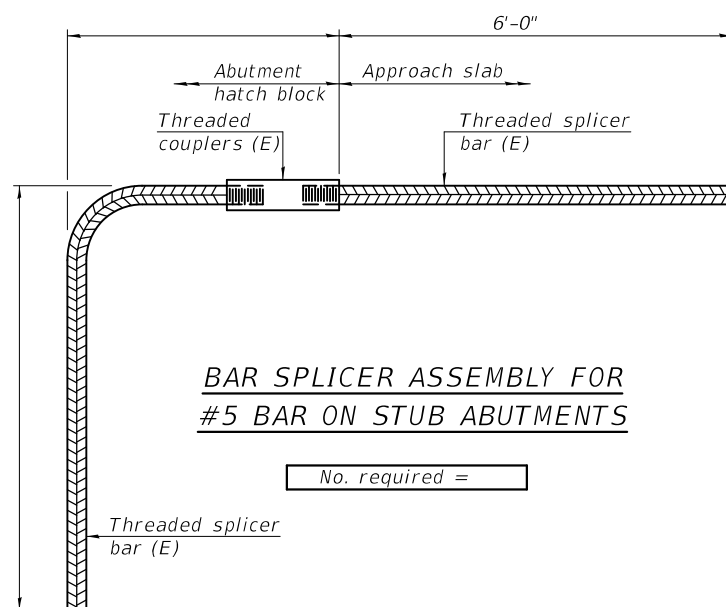
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
SN 092-0007 Pier 1A	10	84
SN 092-0007 Pier 1A	11	60
SN 092-0007 Pier 1	11	60
SN 092-0007 Pier 2	11	60
SN 092-0007 Pier 3	11	60
SN 092-0007 Pier 4	11	60
SN 092-0007 Pier 5	9	60
SN 092-0006 Pier 1A	11	60
SN 092-0006 Pier 1	11	60
SN 092-0006 Pier 2	11	60
SN 092-0006 Pier 3	11	60
SN 092-0006 Pier 4	11	60
SN 092-0006 Pier 5	9	60



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars. Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

MODEL: 0920006-70A92-066
FILE NAME: p:\planroom-dot.illinois.gov\p\DOT\Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0920006\CADD Plans\0920006-70A92.dgn

BSD-1 2-17-2017

DESIGNED - CRYSTAL D. STONE	EXAMINED
CHECKED - JASON A. KERN	PASSED
DRAWN - DENNIS A. POP	
CHECKED - C.D.S. / J.A.K. / S.E.M.	

DATE - July 2, 2020

 ENGINEER OF BRIDGE DESIGN

 ENGINEER OF BRIDGES AND STRUCTURES

REVISIONS	DATE

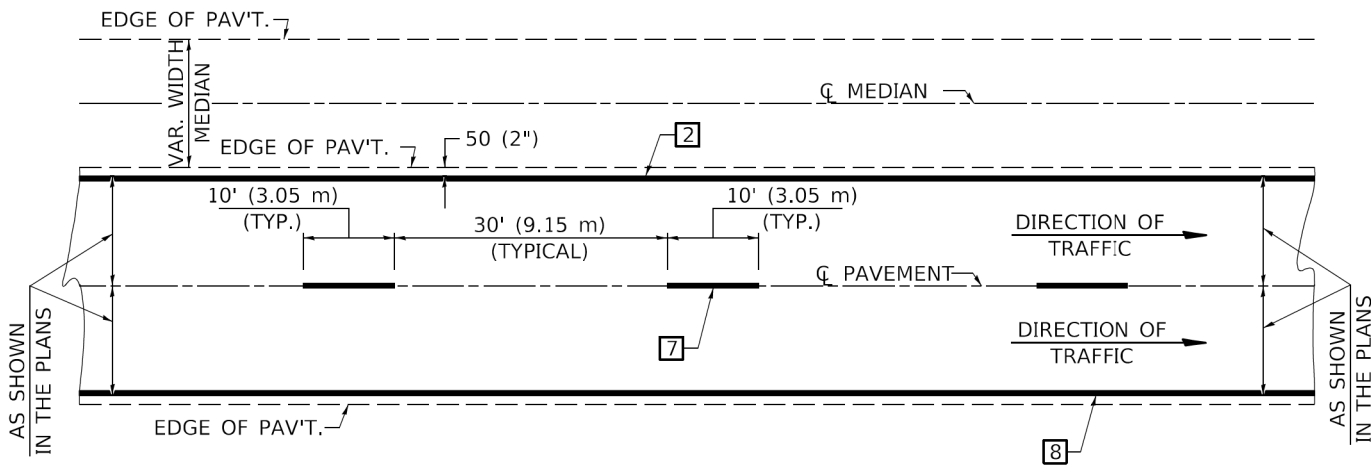
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 092-0006 & 092-0007

SHEET 66 OF 66 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	122
CONTRACT NO. 70A92				
ILLINOIS FED. AID PROJECT				

CENTERLINE INTERSTATE OR MULTI-LANE TWO WAY DIVIDED HIGHWAY

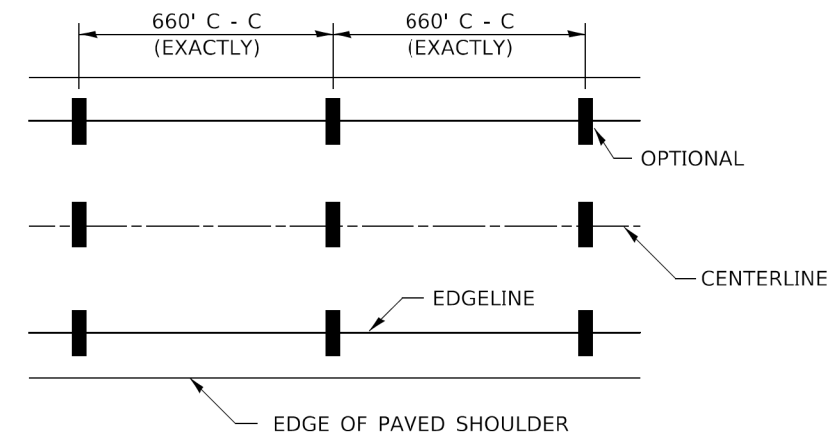


NOTE: PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

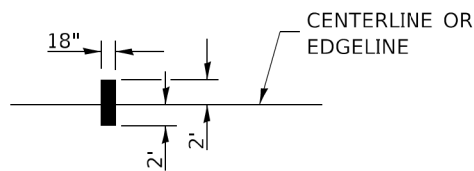
NOTE: SEE ARTICLES 780.04 & 781.03 FOR LOCATION OF STRIPES AND MARKERS RELATIVE TO EDGES OR JOINTS.

FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO STANDARD 781001.

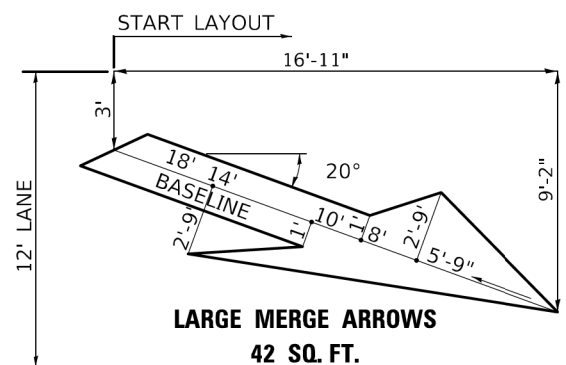
TYPICAL PAVEMENT MARKING LEGEND



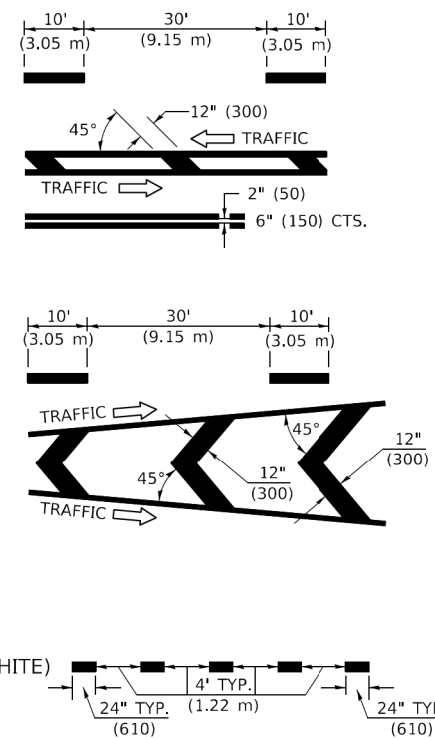
IT WILL BE NECESSARY TO HAVE A REPRESENTATIVE OF THE STATE POLICE PRESENT SO THAT THE ACCURACY OF MEASUREMENT CAN BE ATTESTED TO IN COURT.



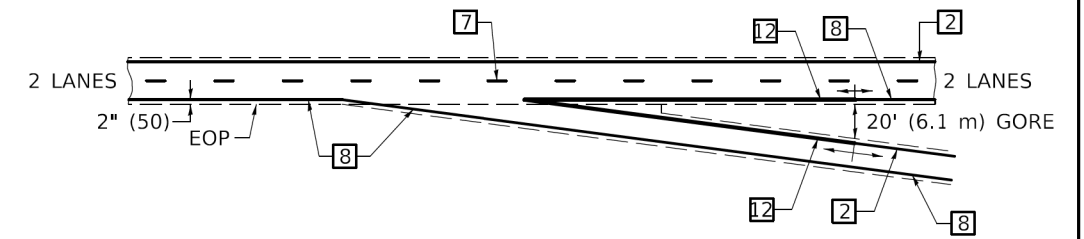
AERIAL SPEED CHECK ZONES



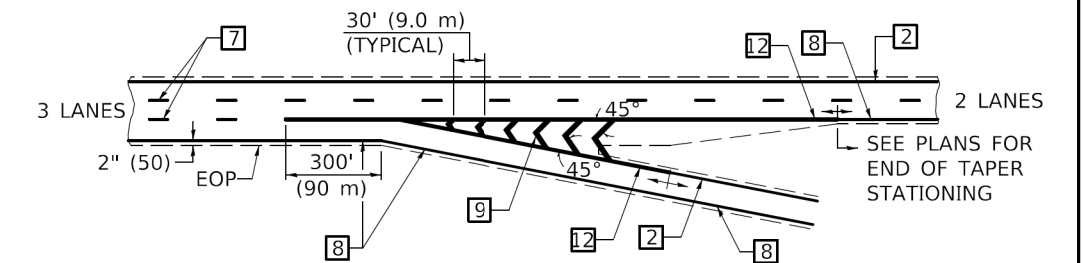
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)



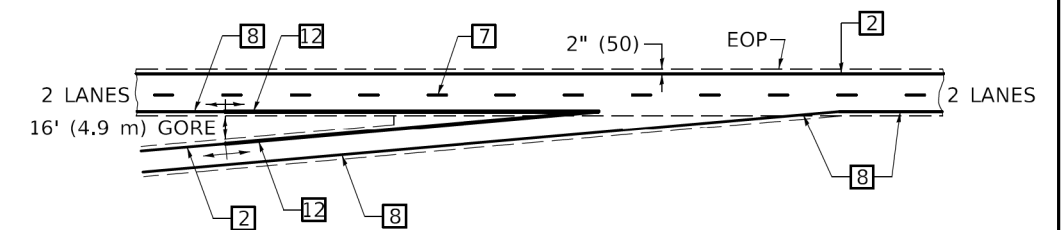
TYPICAL EXIT RAMP TERMINAL



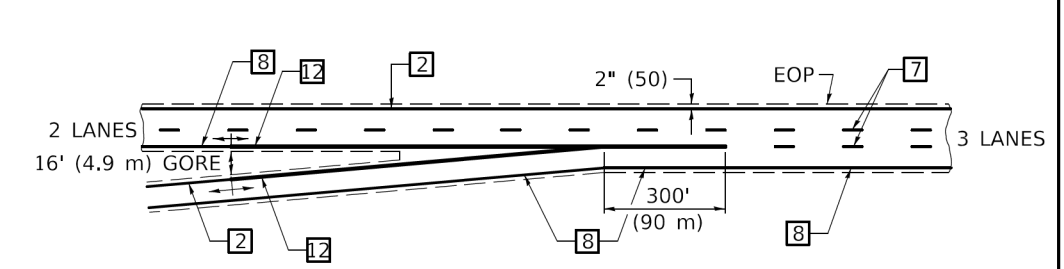
EXIT RAMP TERMINAL with EXCLUSIVE (auxiliary) LANE



TYPICAL ENTRANCE RAMP TERMINAL



ENTRANCE RAMP TERMINAL with EXCLUSIVE LANE



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800BBBB

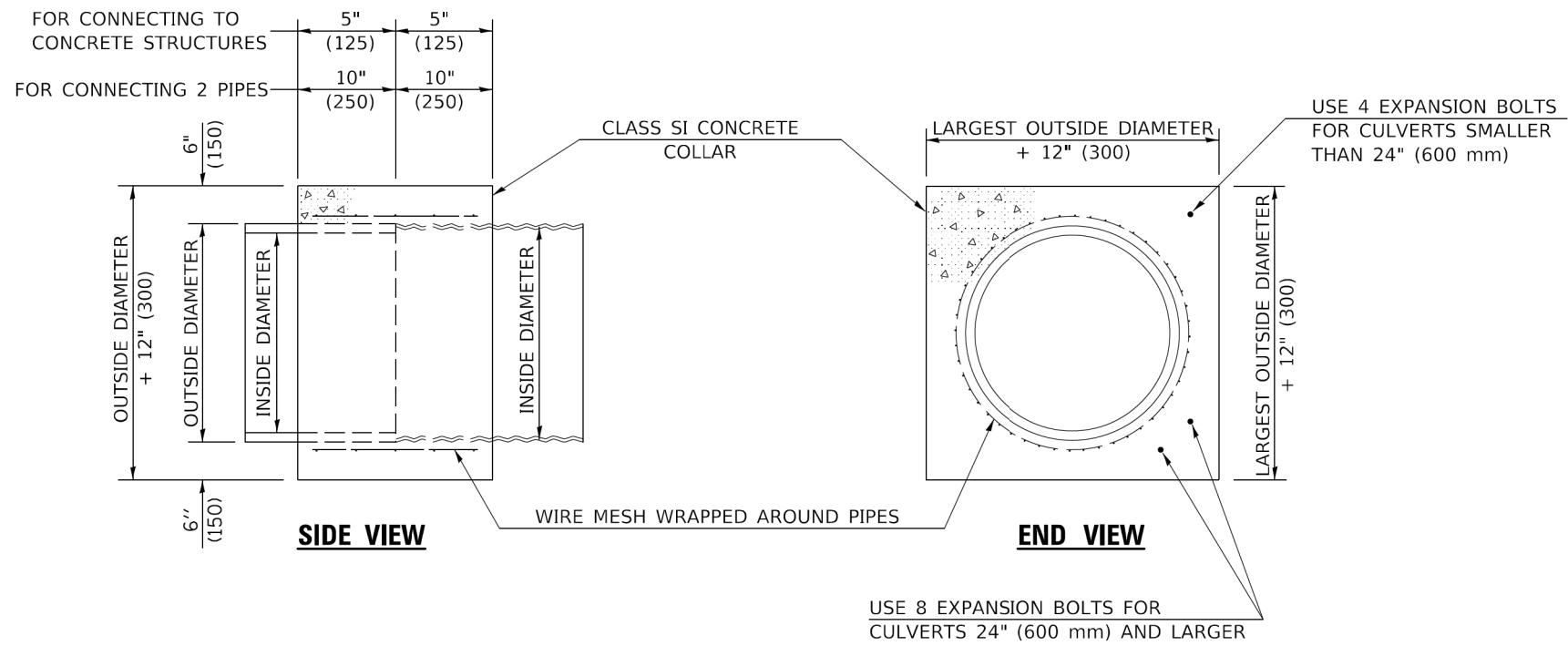
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING (INTERSTATE & MULTI-LANE APPLICATIONS)

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	123
CONTRACT NO. 70A92				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
2. WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIAMETERS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIAMETER (SEE END VIEW).
3. THE WIRE MESH SHALL WEIGH NOT LESS THAN 54#/100 SQ. FT. (2.63 kg/m²).
4. WHEN CONCRETE COLLARS ARE CONSTRUCTED ADJACENT TO AN EXISTING CONCRETE STRUCTURE (HEADWALLS, ETC.) EXPANSION BOLTS, SHALL BE USED AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, EACH, FOR EXPANSION BOLTS OF THE SIZE SPECIFIED IN THE PLANS.
5. CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, PER CUBIC YARD (CUBIC METER), FOR CONCRETE COLLARS INCLUDING ALL MATERIAL AND LABOR SPECIFIED TO COMPLETE THE WORK IN PLACE.

QUANTITIES FOR CONCRETE PIPES	
INSIDE DIAMETER OF PIPE	ESTIMATED CLASS SI CONCRETE REQUIRED
INCH (mm)	20" (500 mm) WIDTH CU.YD. (m ³)
4" (100)	0.14 (0.11)
6" (150)	0.16 (0.12)
8" (200)	0.19 (0.14)
10" (250)	0.22 (0.17)
12" (300)	0.25 (0.19)
15" (375)	0.30 (0.23)
18" (450)	0.35 (0.27)
24" (600)	0.45 (0.35)
30" (750)	0.57 (0.43)
36" (900)	0.69 (0.53)
42" (1050)	0.83 (0.63)
48" (1200)	0.97 (0.74)
54" (1350)	1.12 (0.86)
60" (1500)	1.28 (0.98)

QUANTITIES FOR METAL PIPES	
INSIDE DIAMETER OF PIPE	ESTIMATED CLASS SI CONCRETE REQUIRED
INCH (mm)	20" (500 mm) WIDTH CU.YD. (m ³)
4" (100)	0.12 (0.09)
6" (150)	0.14 (0.11)
8" (200)	0.16 (0.12)
10" (250)	0.19 (0.14)
12" (300)	0.21 (0.16)
15" (375)	0.25 (0.19)
18" (450)	0.29 (0.22)
24" (600)	0.38 (0.29)
30" (750)	0.47 (0.36)
36" (900)	0.59 (0.45)
42" (1050)	0.69 (0.53)
48" (1200)	0.81 (0.62)
54" (1350)	0.93 (0.71)
60" (1500)	1.05 (0.81)

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 54248510

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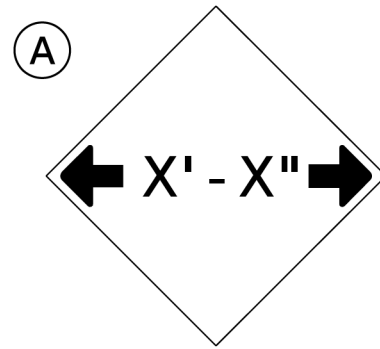
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PLOT DATE = 3/9/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONCRETE COLLAR

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	124
CONTRACT NO. 70A92				
ILLINOIS FED. AID PROJECT				

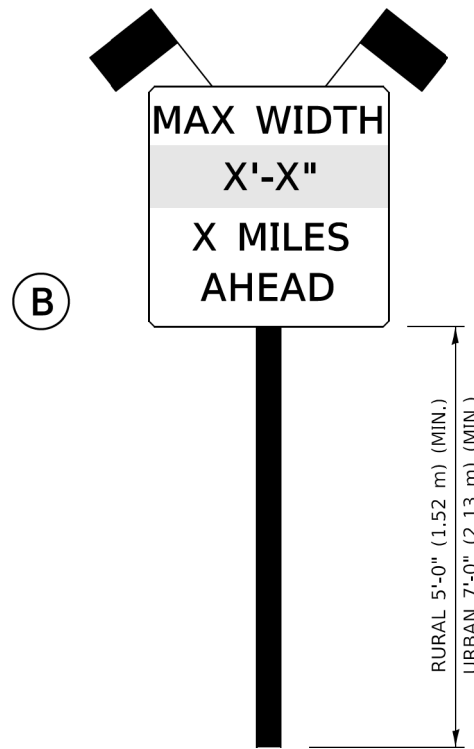


W12-2(O)-48"x48"(1200x1200)

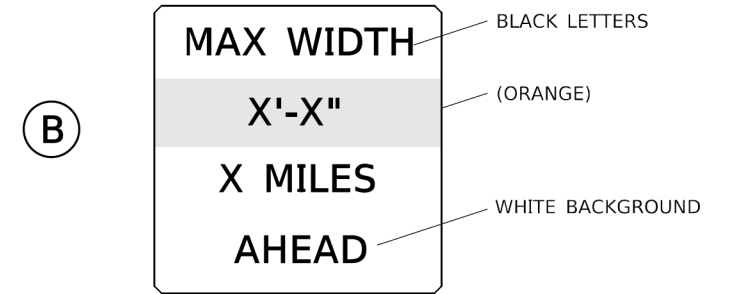
SIGN (A) 2 SIGNS - W12-2(O)-48"x48"(1200x1200) ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

SIGN (B) 2 SIGNS - (SIGN PANEL, TYPE II) AS SHOWN ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

SEE THE REAL-TIME TRAFFIC CONTROL SYSTEM & WIDTH RESTRICTION SIGN PLACEMENT PLANS FOR LOCATIONS OF SIGN (A) AND SIGN (B).



SIGN PANEL, TYPE II



**W12-I103(O)-48"x48"(1200x1200)
"D" LETTERS/NUMBERS**

GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL (B) SIGNS SHALL HAVE FLAGS INSTALLED UNLESS OTHERWISE DIRECTED.
3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
4. ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
5. ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE DIRECTED.
6. ALL SIGNS SHOWN ORANGE (O) SHALL BE FLUORESCENT ORANGE.
7. ALL SIGNS SHOWN SHALL CONSIST OF THE CURRENT RETROREFLECTIVE SHEETING REQUIREMENTS AS OUTLINED IN SECTION 1106.01 OF THE STANDARD SPECIFICATIONS BOOK.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. X7200201

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	DRAWN -	REVISED - 10/08 KJT
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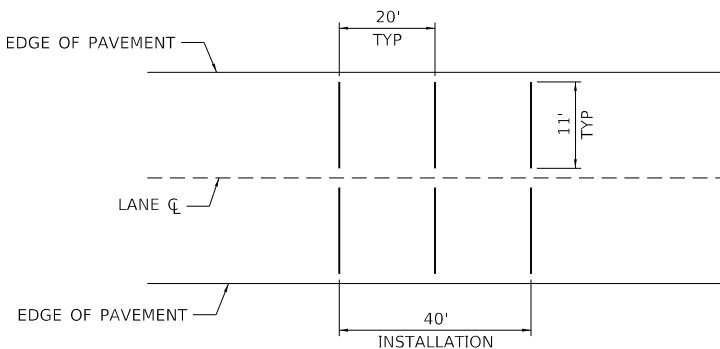
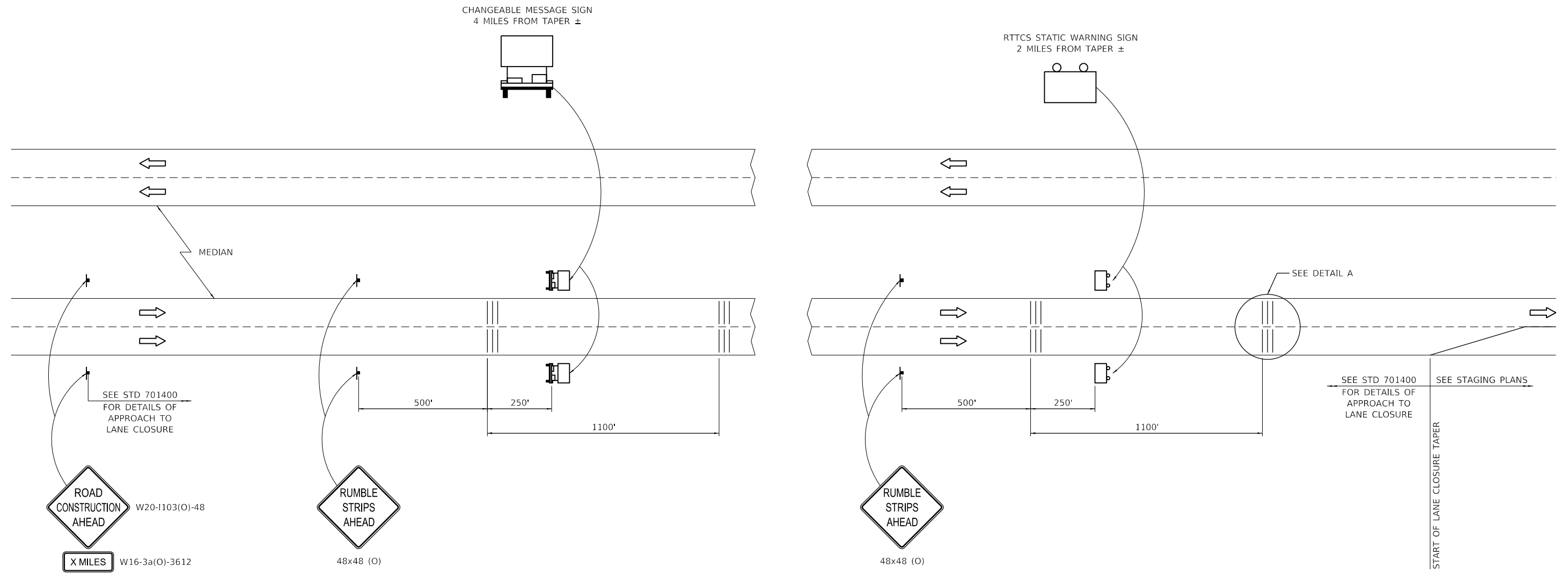
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WIDTH RESTRICTION SIGNING

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	125
				CONTRACT NO. 70A92
		ILLINOIS	FED. AID PROJECT	

DETAIL FOR TEMPORARY RUMBLE STRIPS (SPECIAL)



DETAIL A

LEGEND

- TRAILER MOUNTED SIGN
- RTCS STATIC WARNING SIGN
- SIGN
- TEMPORARY RUMBLE STRIPS (SPECIAL)

NOTES:

REMOVE THE TEMPORARY RUMBLE STRIPS (SPECIAL) PRIOR TO THE REMOVAL OF THE ADVANCED WARNING SIGNS.

MODEL: D:\dgn\11111111.dgn FILE: I:\dgn\11111111.dgn

Kaskaskia
Engineering Group, LLC
477 South Third Street
Suite 270
Geneva, Illinois 60134
630.333.3837 phone
www.kaskaskiaeng.com
Illinois Professional Design Firm
34-06713
38-388536

USER NAME = ndp	DESIGNED -	REVISED -
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PLOT DATE = 3/17/2020	CHECKED -	REVISED -
	DATE -	REVISED -

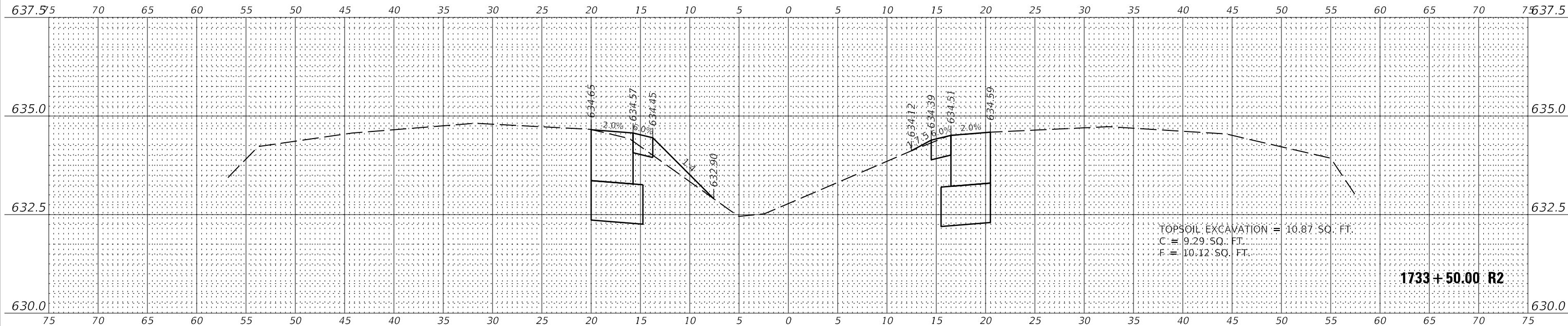
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL FOR TEMPORARY RUMBLE STRIPS (SPECIAL)	
I-74 OVER SALT FORK VERMILION RIVER	
SCALE: N.T.S.	SHEET OF SHEETS STA. TO STA.

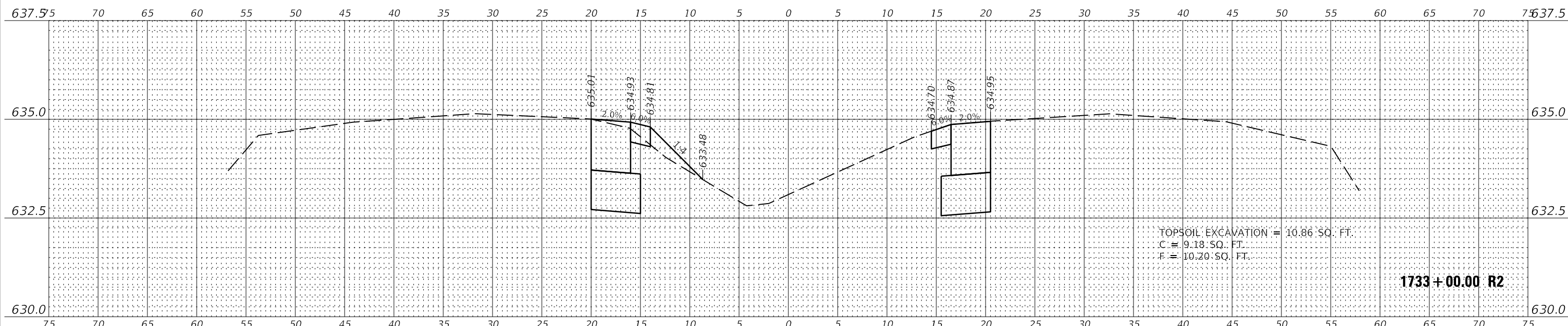
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74	(92-11)BR-1	VERMILION	161	126
CONTRACT NO. 70A92				

ILLINOIS	FED. AID PROJECT
----------	------------------

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



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DESIGNED -	RWS
DRAWN -	RJT
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PLLOT DATE =	3/16/2020
12:54:36 PM	

REVISD	
REVISD	
REVISD	
REVISD	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - WEST CROSSOVER
 I-74 OVER SALT FORK VERMILION RIVER

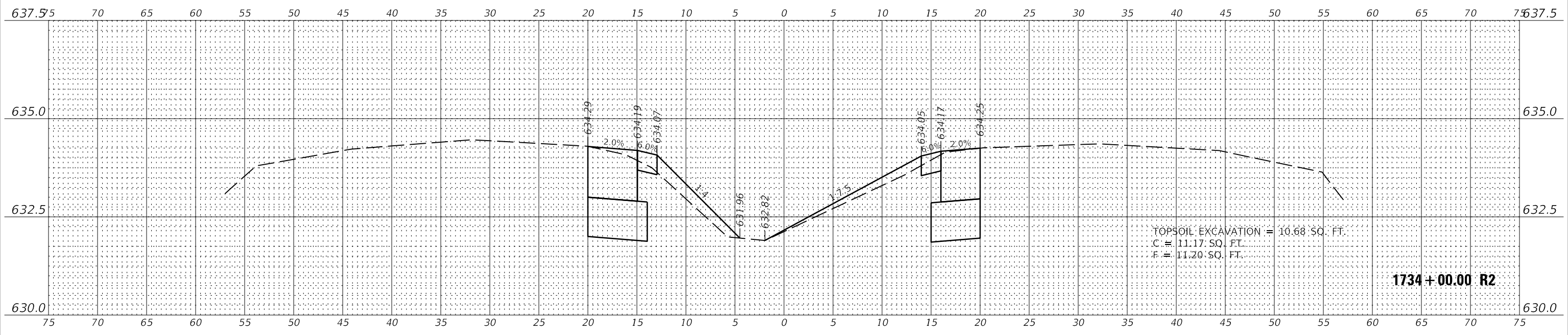
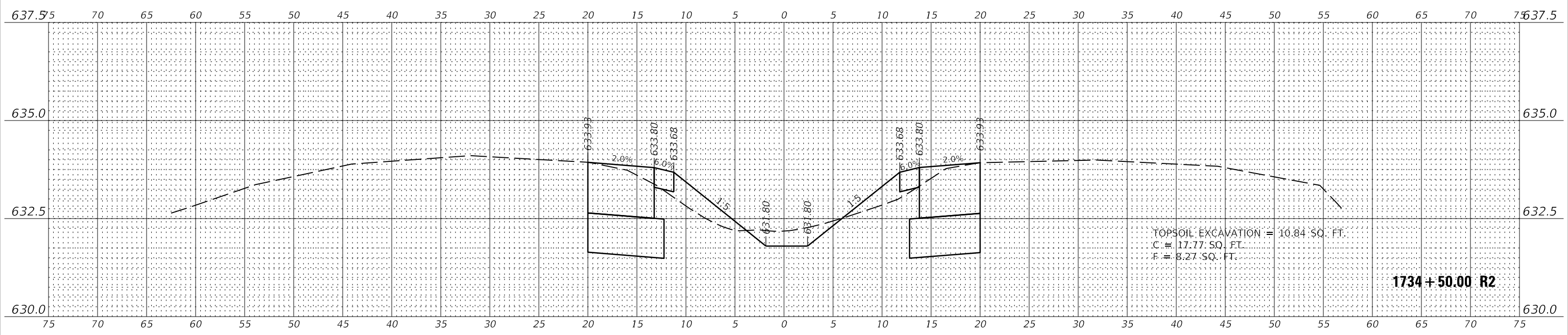
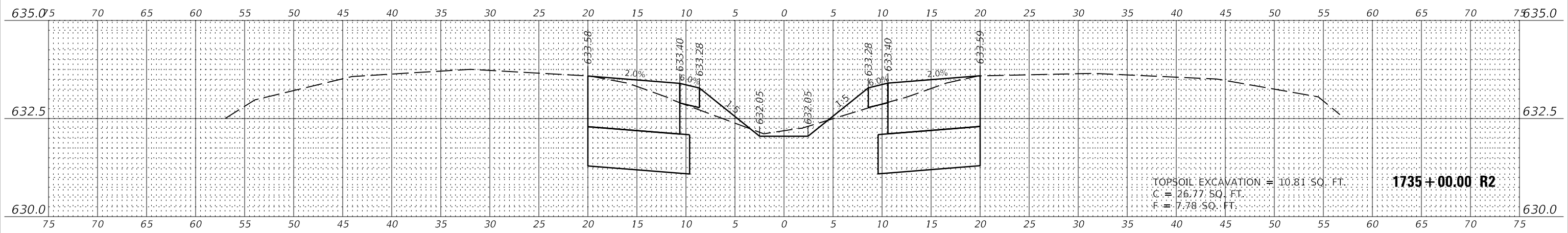
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)	VERMILION	161	127
CONTRACT NO.			70A92	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
NOTE BOOK	
NO.	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
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PLOTTED	
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AREAS CHECKED	

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 SHEET



USER NAME =	rslakey	DESIGNED -	RWS	REVISED	
		DRAWN -	RJT	REVISED	
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

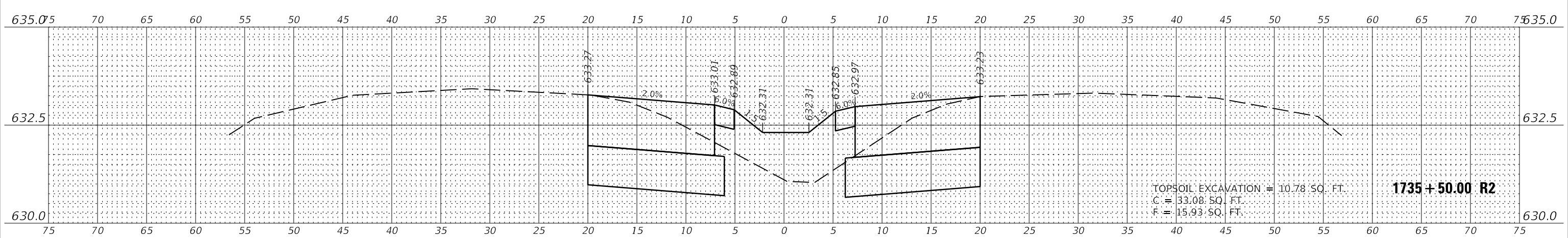
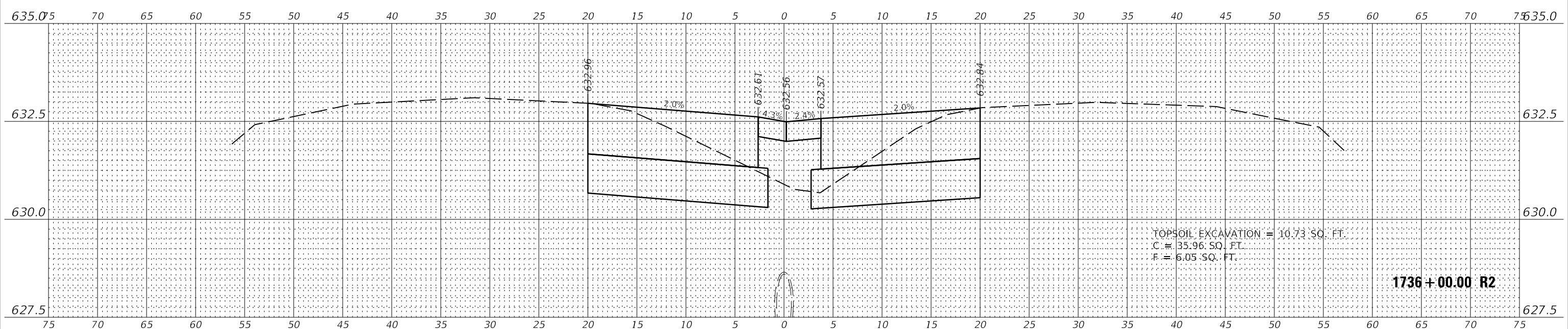
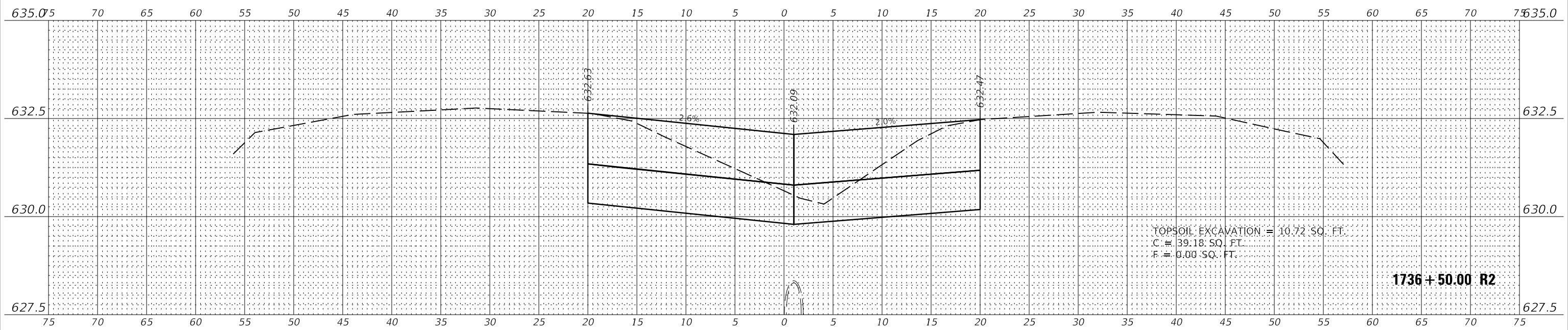
CROSS SECTIONS - WEST CROSSOVER
 I-74 OVER SALT FORK VERMILION RIVER
 SCALE: 1"=5'(H)/1"=1.25'(V) SHEET 2 OF 15 SHEETS STA. 1734+00.00 R2 TO STA. 1735+00.00 R2

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)	VERMILION	161	128
CONTRACT NO.			70A92	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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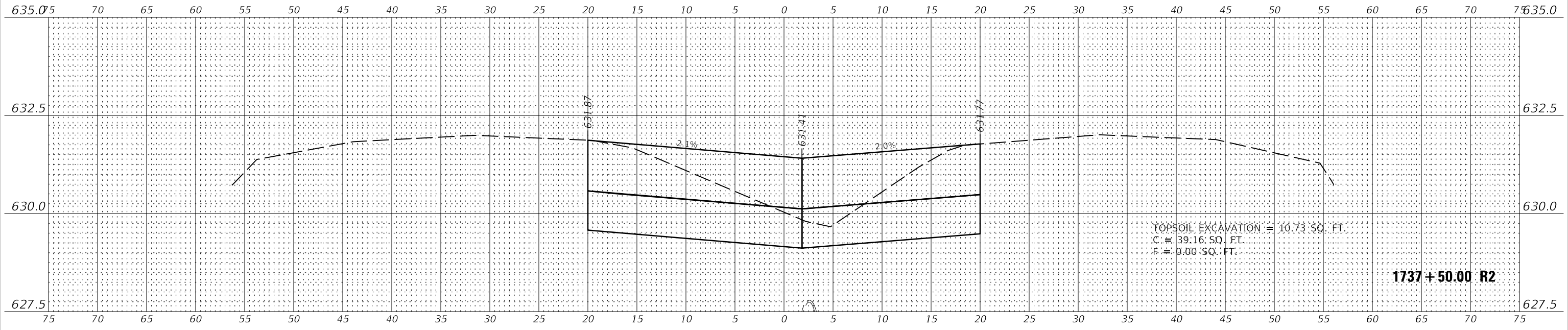
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

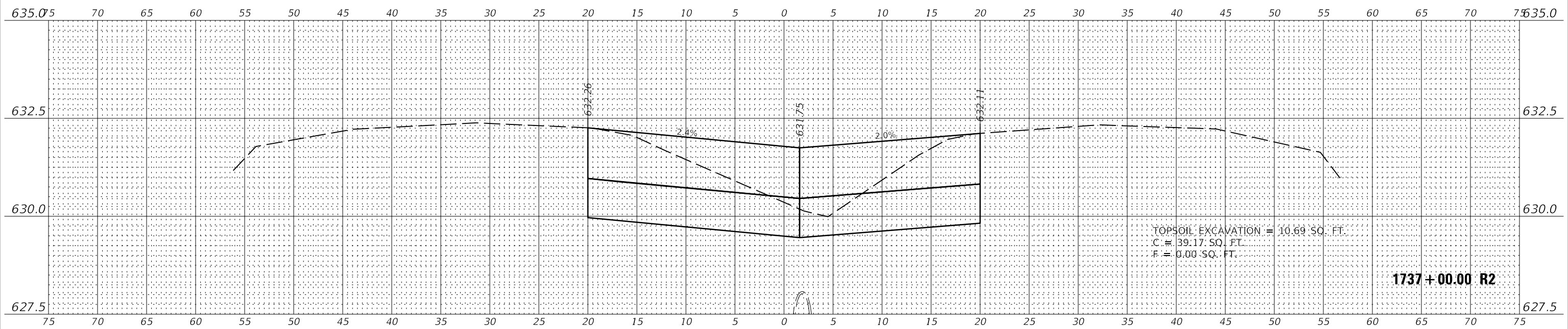
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 I-74 OVER SALT FORK VERMILION RIVER
 SCALE: 1"=5'(H)/1"=1.25'(V) SHEET 3 OF 15 SHEETS STA. 1735+50.00 R2 TO STA. 1736+50.00 R2

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)	VERMILION	161	129
CONTRACT NO.			70A92	
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
FINISHED SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
TEMPLATE SURVEY	
AREAS CHECKED SURVEY	
NO. SURVEY	



DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
TEMPLATE SURVEY	
AREAS CHECKED SURVEY	
NO. SURVEY	



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DESIGNED -	RWS
DRAWN -	RJT
PLLOT SCALE =	24,000' / ft.
PLLOT DATE =	3/16/2020

DESIGNED -	RWS
DRAWN -	RJT
CHECKED -	BPT
DATE -	03/13/20

REVISED	
REVISED	
REVISED	
REVISED	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - WEST CROSSOVER
 I-74 OVER SALT FORK VERMILION RIVER

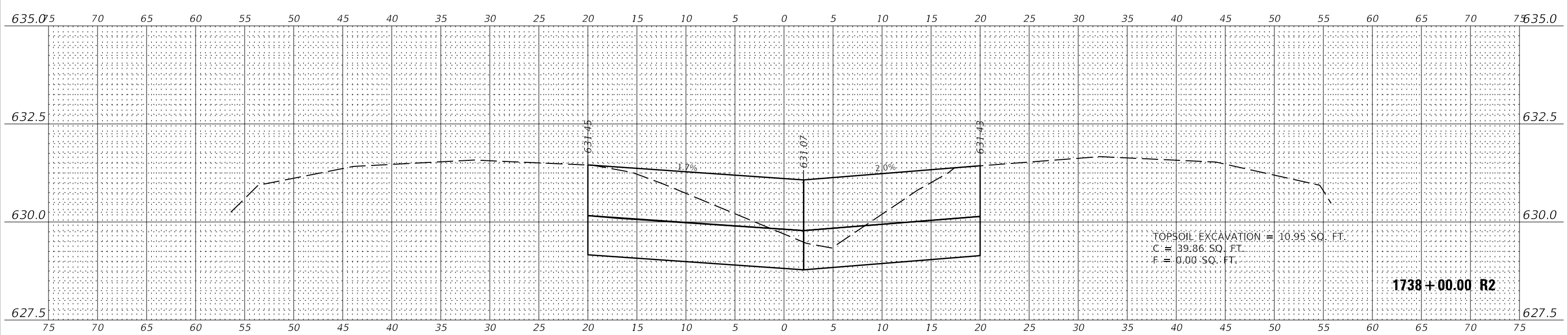
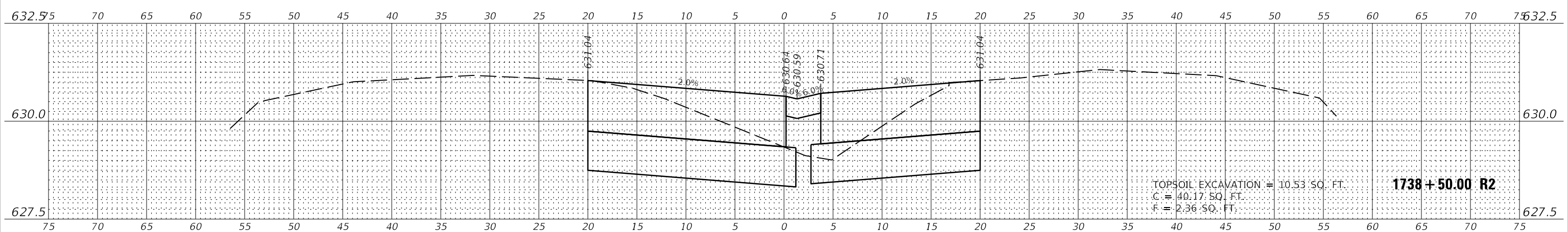
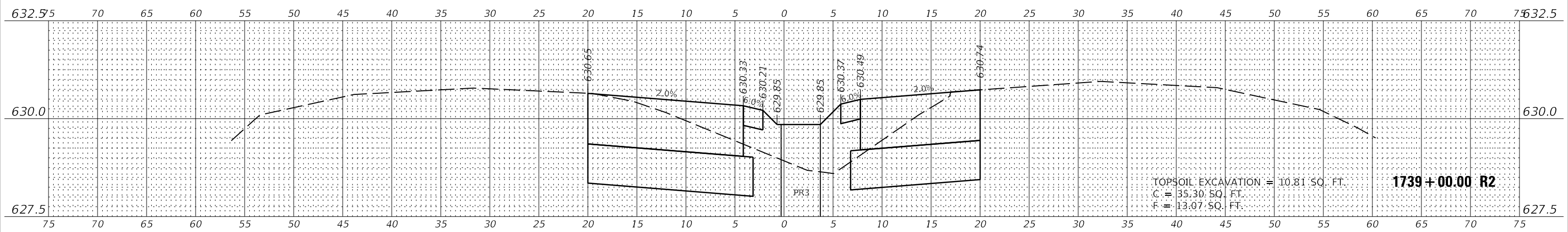
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)	VERMILION	161	130
CONTRACT NO.			70A92	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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 PEN TABLE:
 PRINT DRIVER:
 SHEET



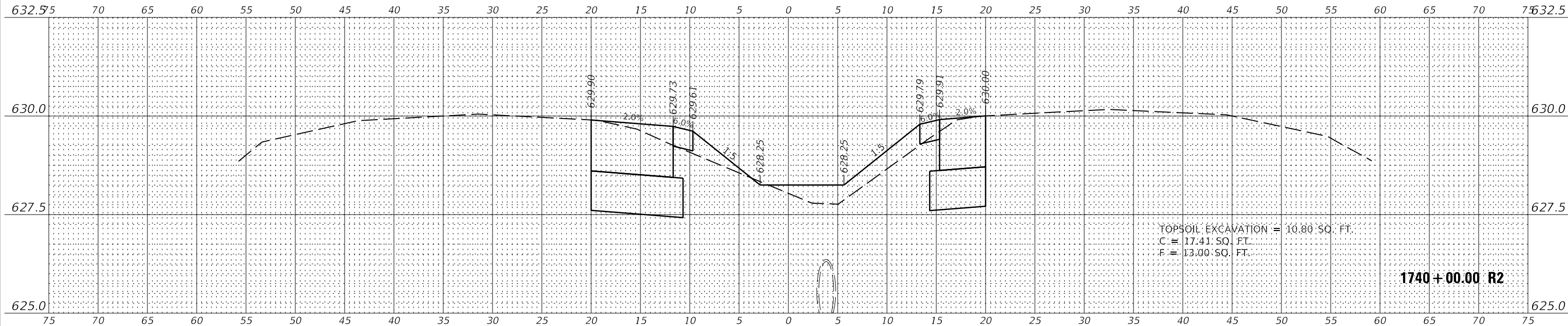
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	DATE - 03/13/20	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

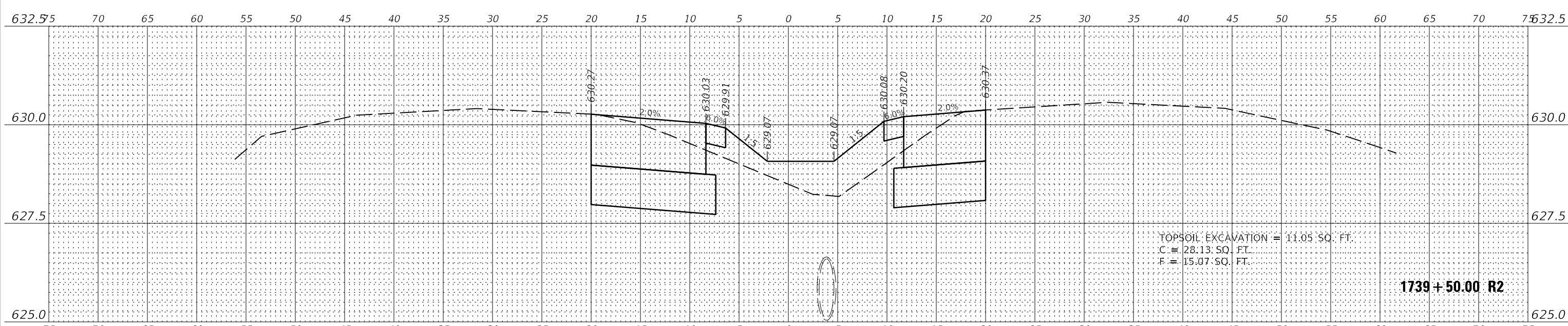
CROSS SECTIONS - WEST CROSSOVER
 I-74 OVER SALT FORK VERMILION RIVER
 SCALE: 1"=5'(H)/1"=1.25'(V) SHEET 5 OF 15 SHEETS STA. 1738+00.00 R2 TO STA. 1739+00.00 R2

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)	VERMILION	161	131
CONTRACT NO.			70A92	
ILLINOIS FED. AID PROJECT				

BY	DATE



BY	DATE



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USER NAME = rslakey	DESIGNED - RWS	REVISED
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	DATE - 03/13/20	REVISED

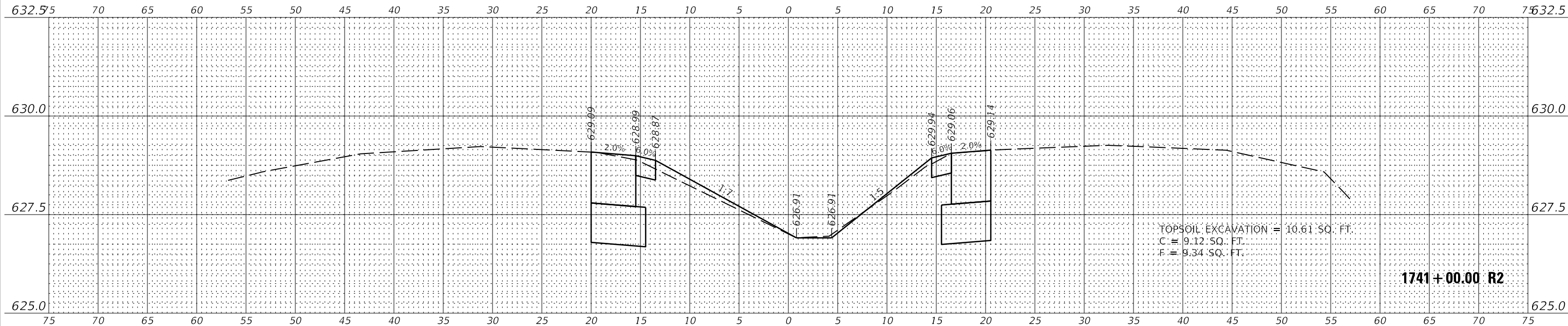
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - WEST CROSSOVER
 I-74 OVER SALT FORK VERMILION RIVER

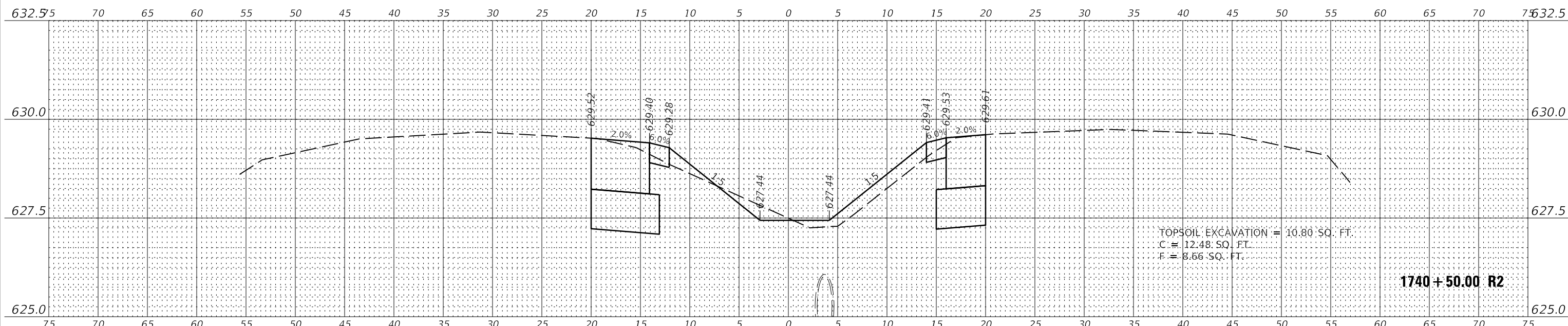
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)	VERMILION	161	132
CONTRACT NO.			70A92	
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



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USER NAME	= rstaley
DESIGNED	- RWS
DRAWN	- RJT
PLLOT SCALE	= 24,000' / ft.
PLLOT DATE	= 3/16/2020
REVISD	
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REVISD	
DATE	= 03/13/20
REVISD	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - WEST CROSSOVER
 I-74 OVER SALT FORK VERMILION RIVER

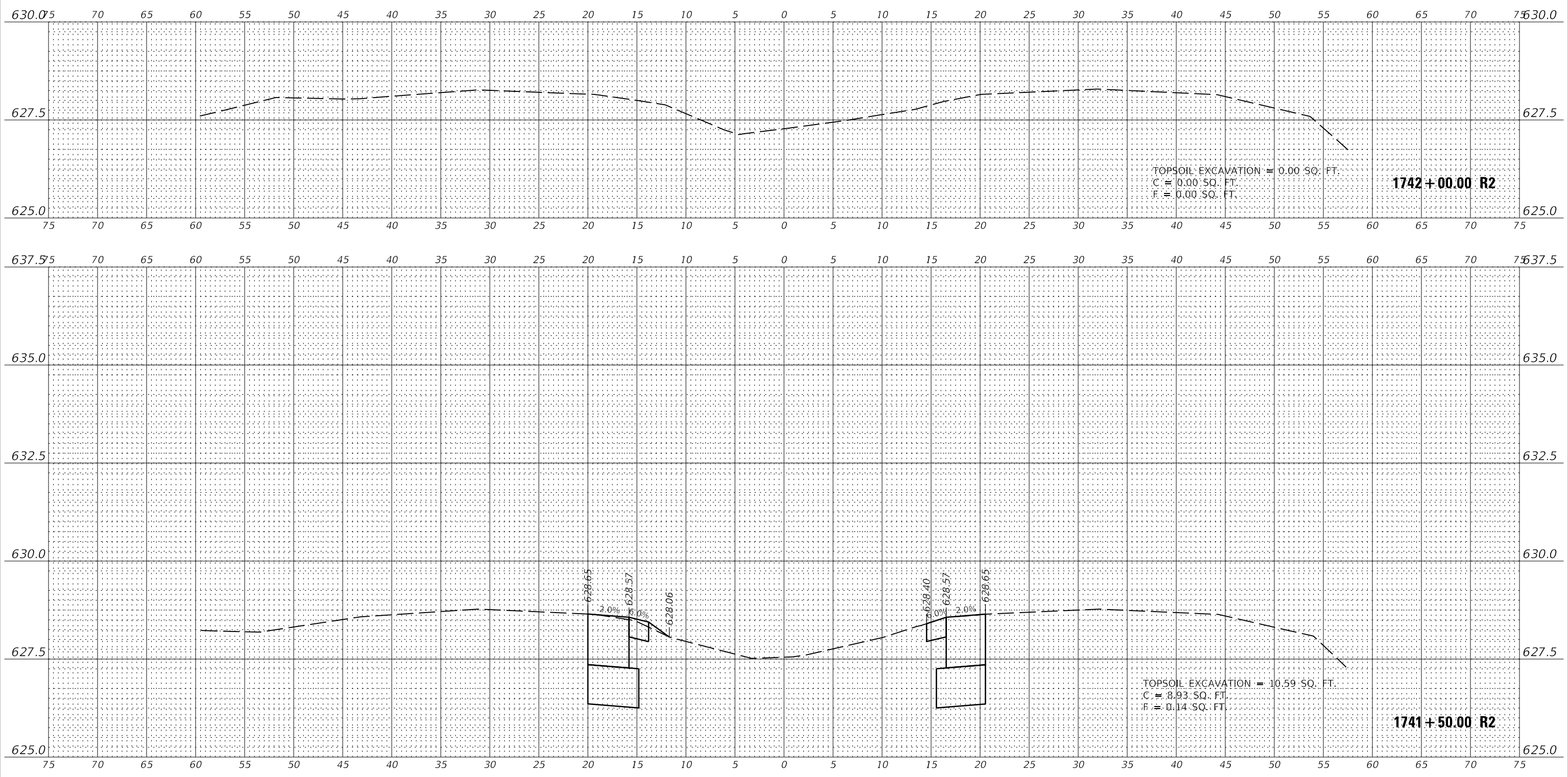
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)	VERMILION	161	133
CONTRACT NO.			70A92	
ILLINOIS FED. AID PROJECT				

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

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

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PLOT DATE =	3/16/2020	DATE -	03/13/20	REVISED	

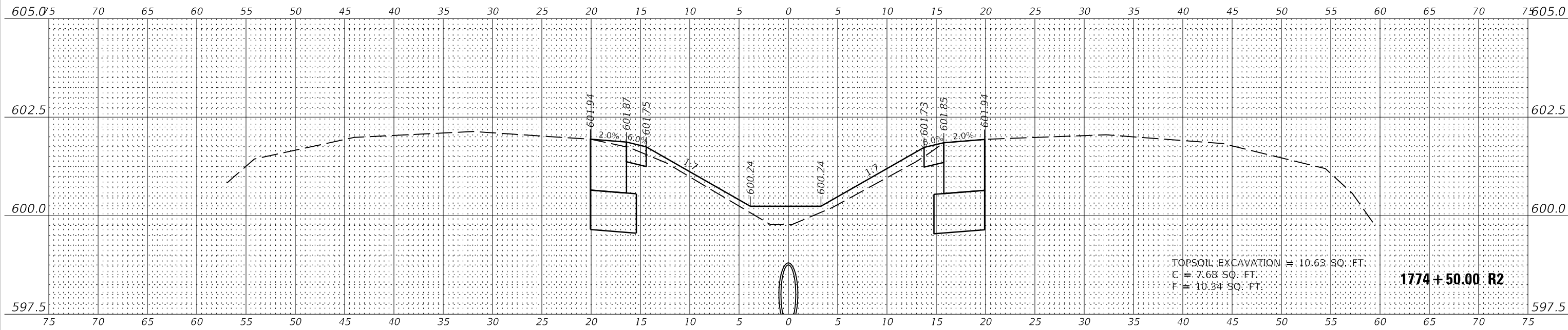
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - WEST CROSSOVER
 I-74 OVER SALT FORK VERMILION RIVER**

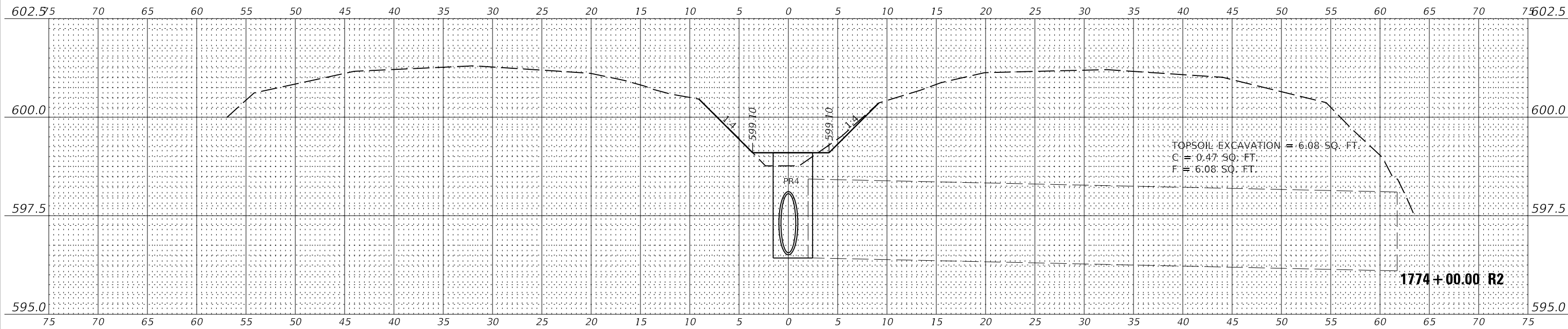
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)	VERMILION	161	134
CONTRACT NO.			70A92	
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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NO.	



DATE	
BY	
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SHEET

Farnsworth GROUP
2211 BRADLEY AVENUE
CHAMPAIGN, ILLINOIS 61821
(217) 352-7408 / info@f-w.com

USER NAME =	rslakey
DESIGNED -	RWS
DRAWN -	RJT
PLLOT SCALE =	24,000' / ft.
PLLOT DATE =	3/16/2020
DATE =	03/13/20
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - EAST CROSSOVER
I-74 OVER SALT FORK VERMILION RIVER

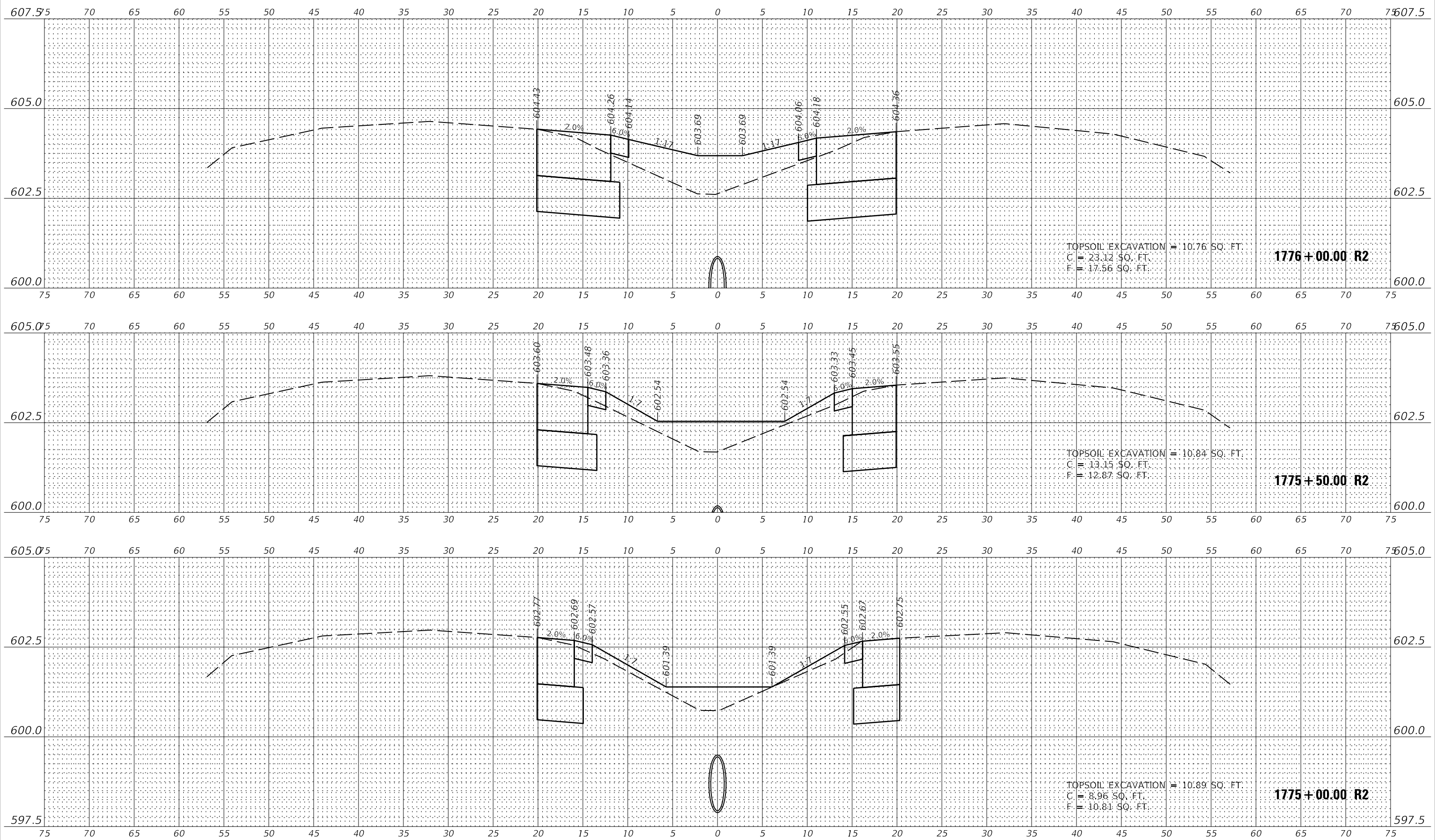
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)	VERMILION	161	135
CONTRACT NO.			70A92	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
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TEMPLATE	
NOTE BOOK	
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

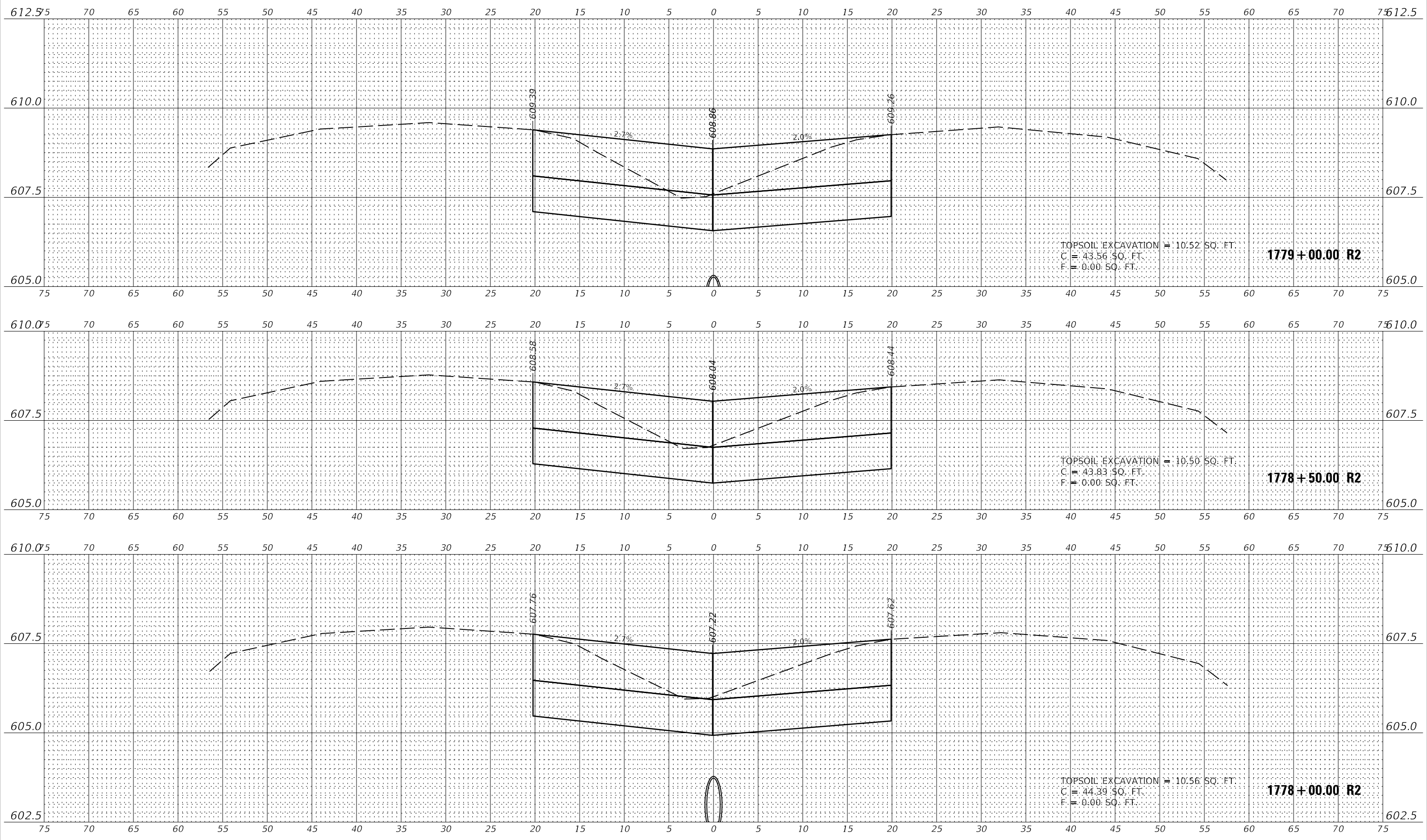
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 I-74 OVER SALT FORK VERMILION RIVER**
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)	VERMILION	161	136
CONTRACT NO.			70A92	
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

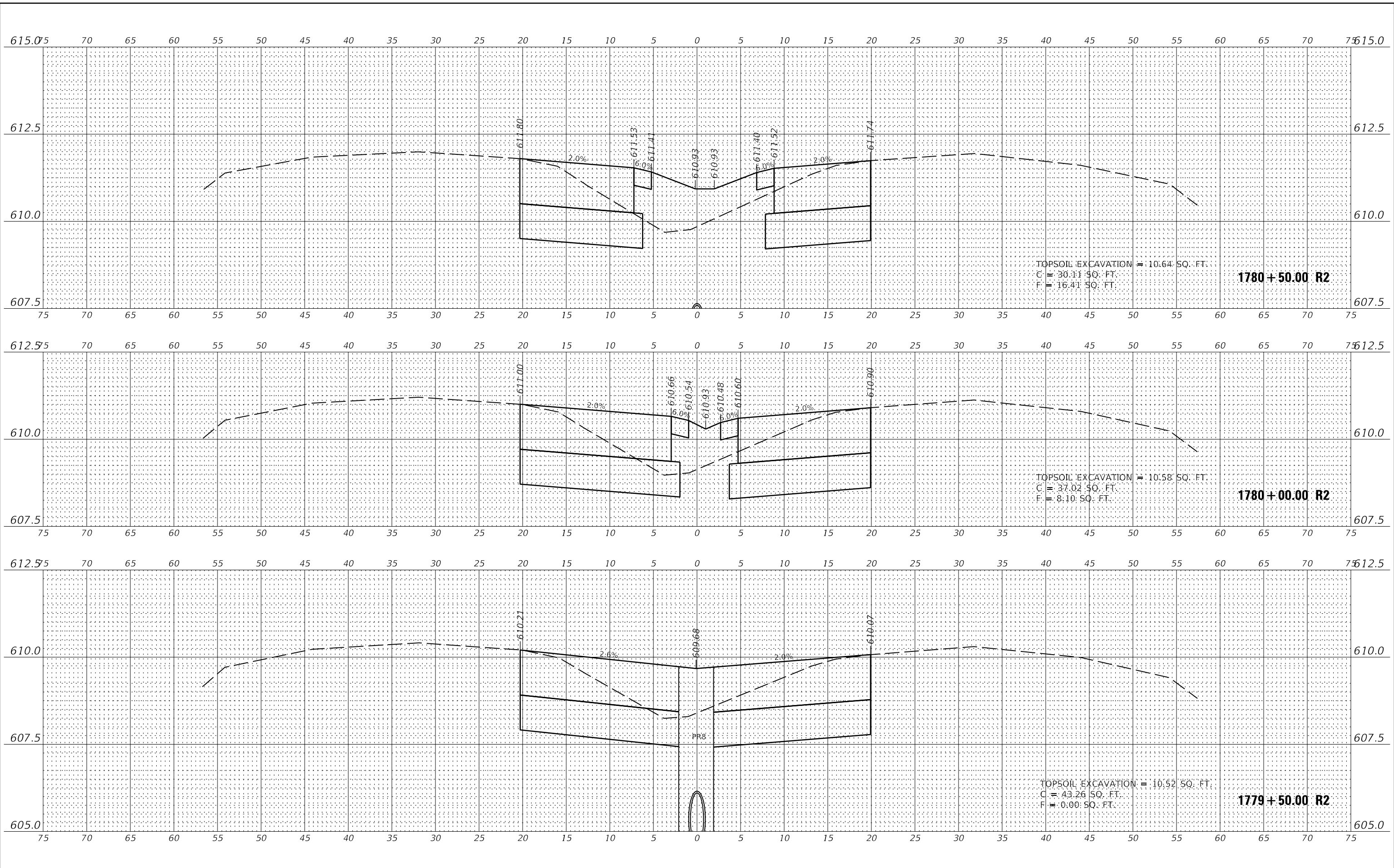
**CROSS SECTIONS - EAST CROSSOVER
 I-74 OVER SALT FORK VERMILION RIVER**
 SCALE: 1"=5'(H)/1"=1.25'(V) SHEET 12 OF 15 SHEETS STA. 1778+00.00 R2 TO STA. 1779+00.00 R2

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)	VERMILION	161	138
CONTRACT NO.			70A92	
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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SURVEYED	
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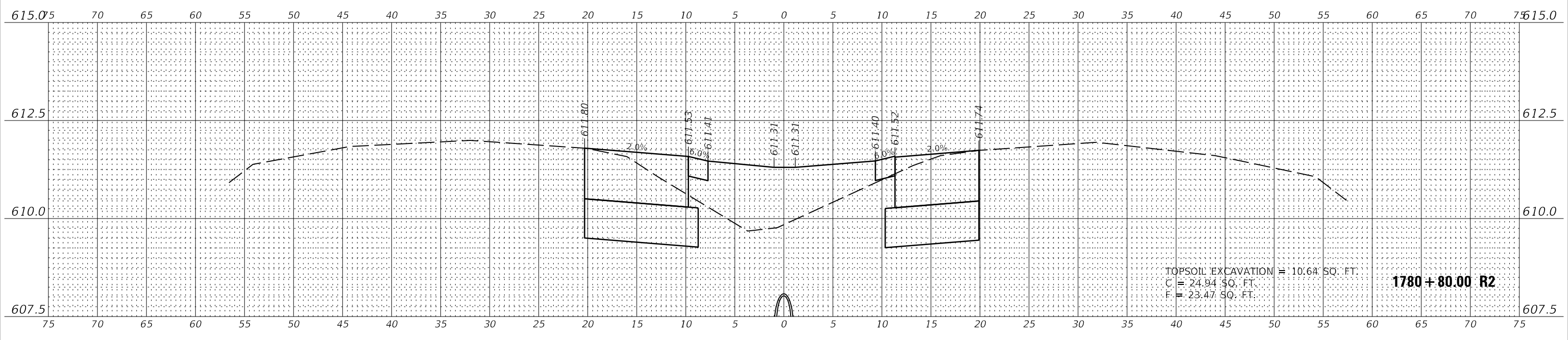
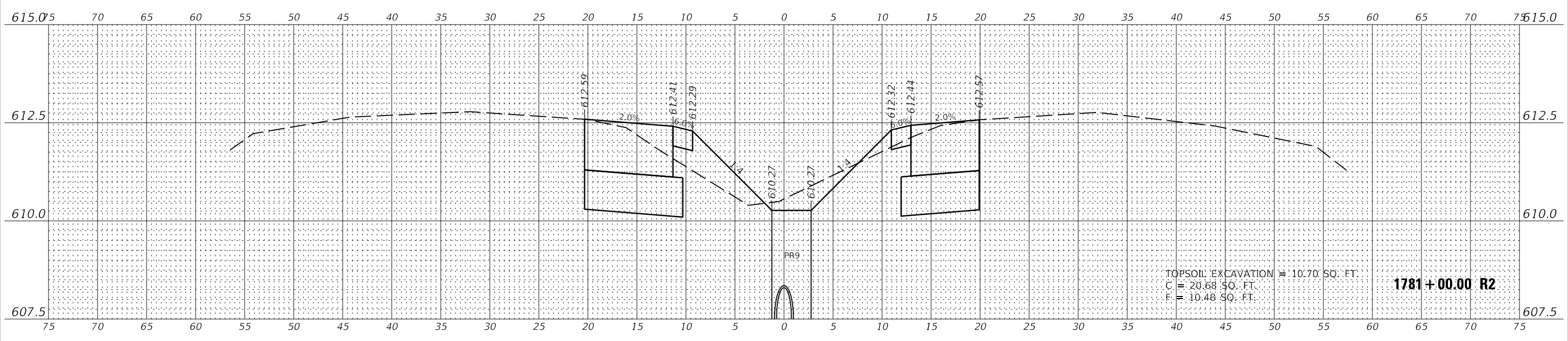
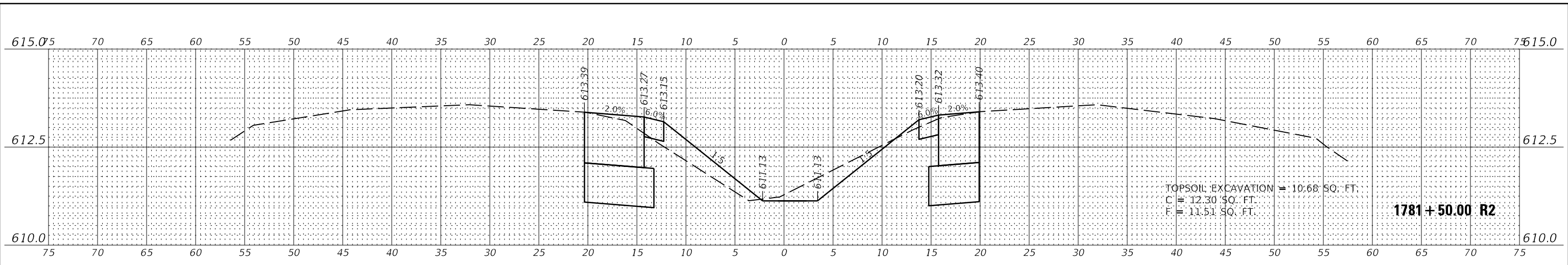
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 PEN TABLE:
 PRINT DRIVER:
 SHEET



DATE	
BY	
FINISHED SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
TEMPLATE SURVEY	
AREAS CHECKED SURVEY	
AREAS CHECKED SURVEY	

DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
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USER NAME	= rstaley
DESIGNED	- RWS
DRAWN	- RJT
PLLOT SCALE	= 24,000' / ft.
PLLOT DATE	= 3/16/2020
REVISD	
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REVISD	

DESIGNED	- RWS
DRAWN	- RJT
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

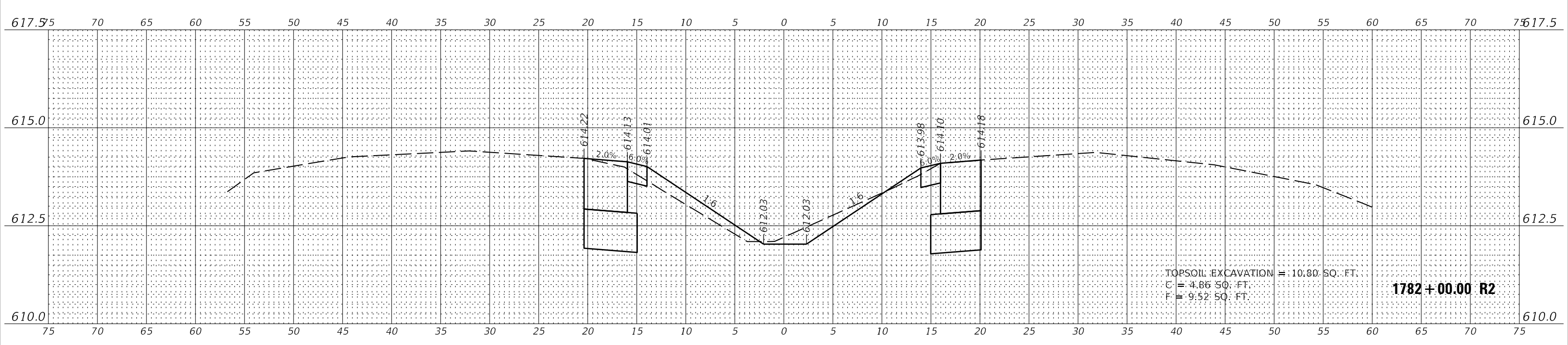
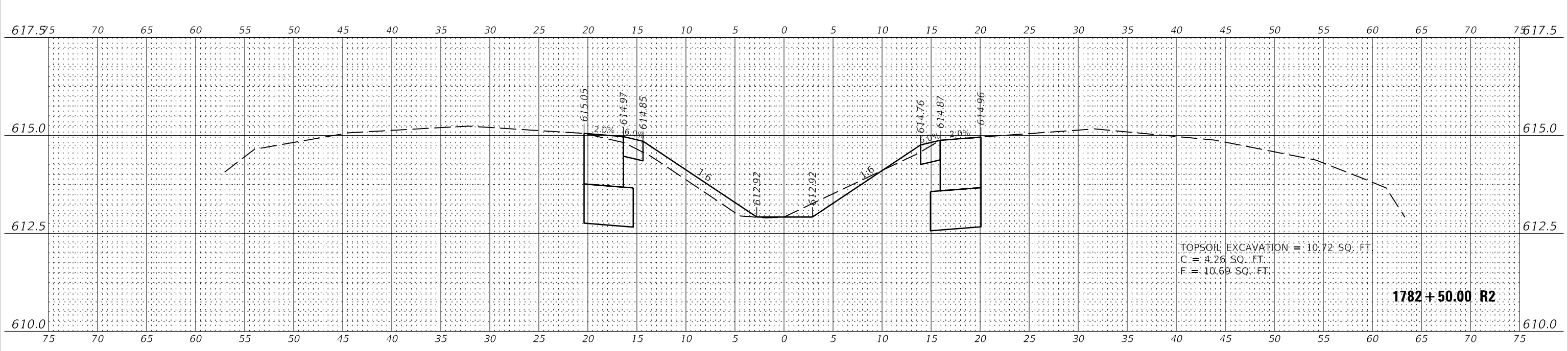
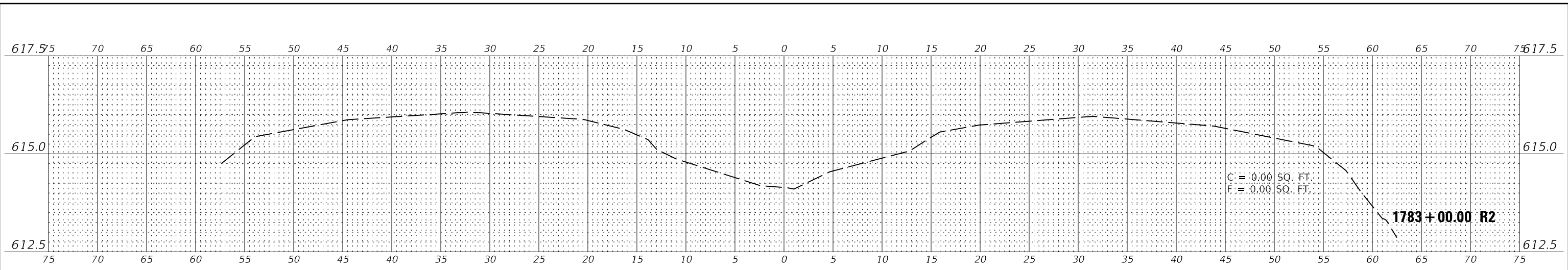
CROSS SECTIONS - EAST CROSSOVER	
I-74 OVER SALT FORK VERMILION RIVER	
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SHEET	14 OF 15 SHEETS
STA.	1781+00.00 R2 TO STA. 1782+00.00 R2

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)	VERMILION	161	140
CONTRACT NO.			70A92	
ILLINOIS		FED. AID PROJECT		

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

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

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		DRAWN -	RJT	REVISED	
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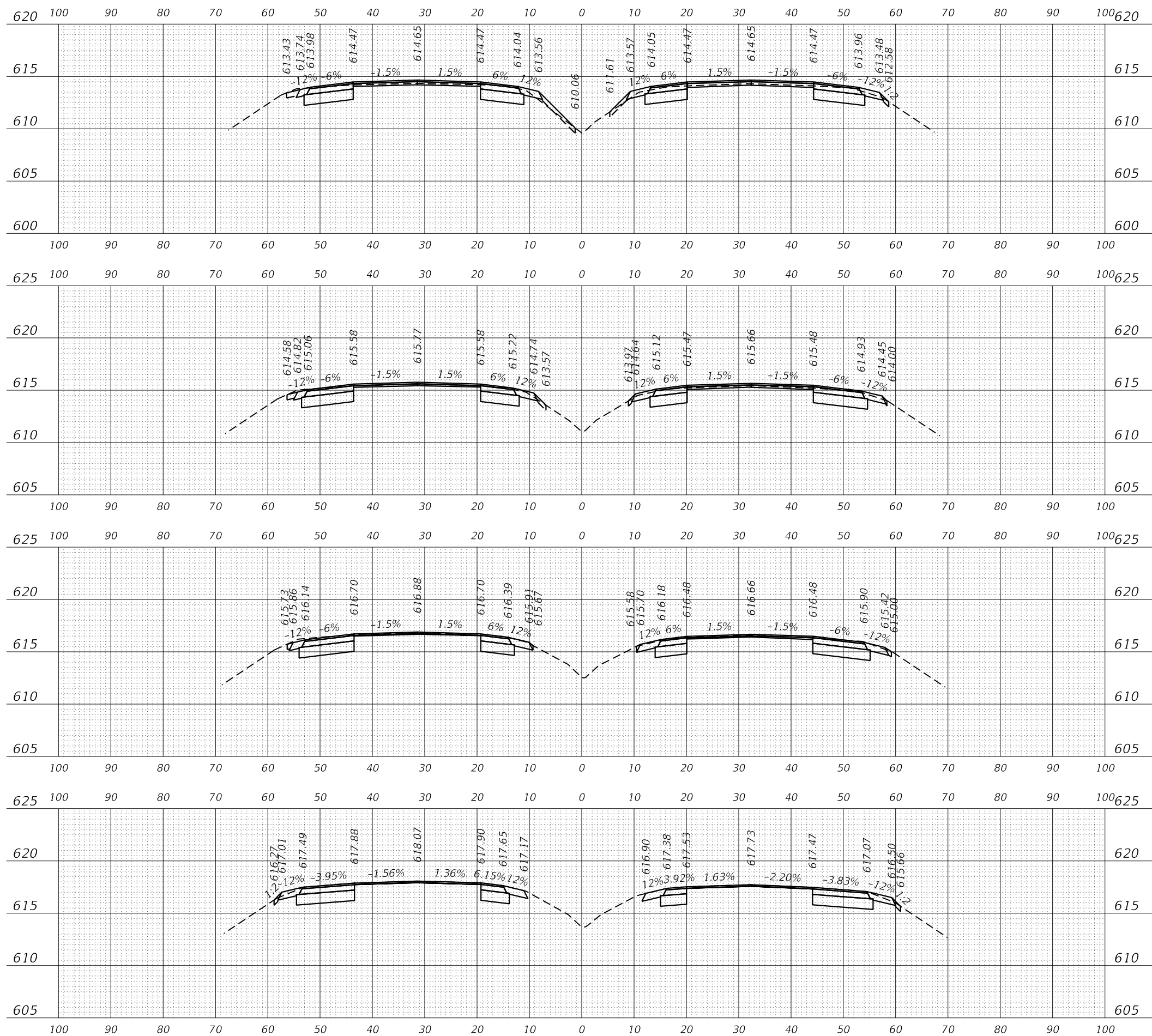
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - EAST CROSSOVER
 I-74 OVER SALT FORK VERMILION RIVER
 SCALE: 1"=5'(H)/1"=1.25'(V) SHEET 15 OF 15 SHEETS STA. 1782+50.00 R2 TO STA. 1783+00.00 R2

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)	VERMILION	161	141
CONTRACT NO.			70A92	
ILLINOIS		FED. AID PROJECT		

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

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



CUT: 12.8 SQ FT
 FILL: 6.1 SQ FT
 TSS: 11.1 SQ FT
1750 + 00.00 R2

CUT: 14.5 SQ FT
 FILL: 0.9 SQ FT
 TSS: 7.7 SQ FT
1749 + 50.00 R2

CUT: 17.3 SQ FT
 FILL: 0.1 SQ FT
 TSS: 6.3 SQ FT
1749 + 00.00 R2

CUT: 15.9 SQ FT
 FILL: 0.2 SQ FT
 TSS: 6.8 SQ FT
1748 + 46.80 R2



477 South Third Street
 Suite 210
 Geneva, Illinois 60134
 630.332.9877
 www.kaskaskiaeng.com

USER NAME = ndp
 DESIGNED - MNB
 DRAWN - NDP
 CHECKED - LDC
 DATE - 03/16/20

REVISIONS
 REVISION NO. 1
 REVISION DATE 03/17/2020

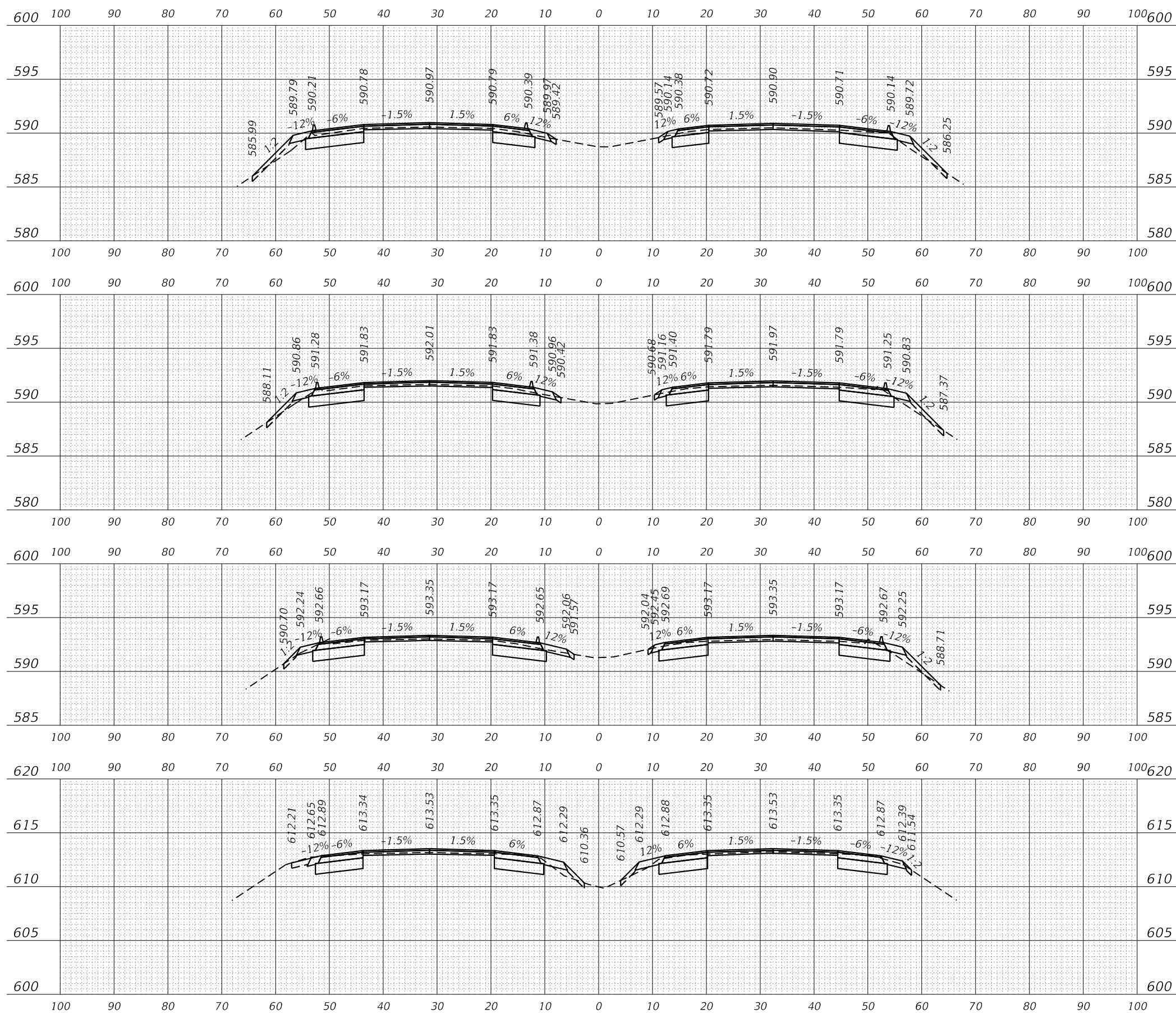
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - I-74
 I-74 OVER SALT FORK VERMILION RIVER**
 SCALE: H:10 V:5
 SHEET 1 OF 3 SHEETS
 STA. 1748+46.80 TO STA. 1750+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	142
CONTRACT NO. 70A92				
ILLINOIS FED. AID PROJECT				

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

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



CUT: 8.9 SQ FT
 FILL: 14.8 SQ FT
 TSS: 11.8 SQ FT
1760 + 00.00 R2

CUT: 12.9 SQ FT
 FILL: 10.6 SQ FT
 TSS: 12.2 SQ FT
1759 + 50.00 R2

CUT: 18.4 SQ FT
 FILL: 7.8 SQ FT
 TSS: 13.3 SQ FT
1758 + 87.30 R2

CUT: 16.2 SQ FT
 FILL: 7.2 SQ FT
 TSS: 11.7 SQ FT
1750 + 46.80 R2

MODEL: Definit
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 477 South Third Street
 Suite 210
 Geneva, Illinois 60134
 630.332.9877 phone
 www.kaskaskiaeng.com
 PROFESSIONAL REGISTRATION
 Illinois Professional Design Firm
 Professional Engineering Group

USER NAME = ndp	DESIGNED - MNB	REVISED -
	DRAWN - NDP	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - LDC	REVISED -
PLOT DATE = 3/17/2020	DATE - 03/16/20	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

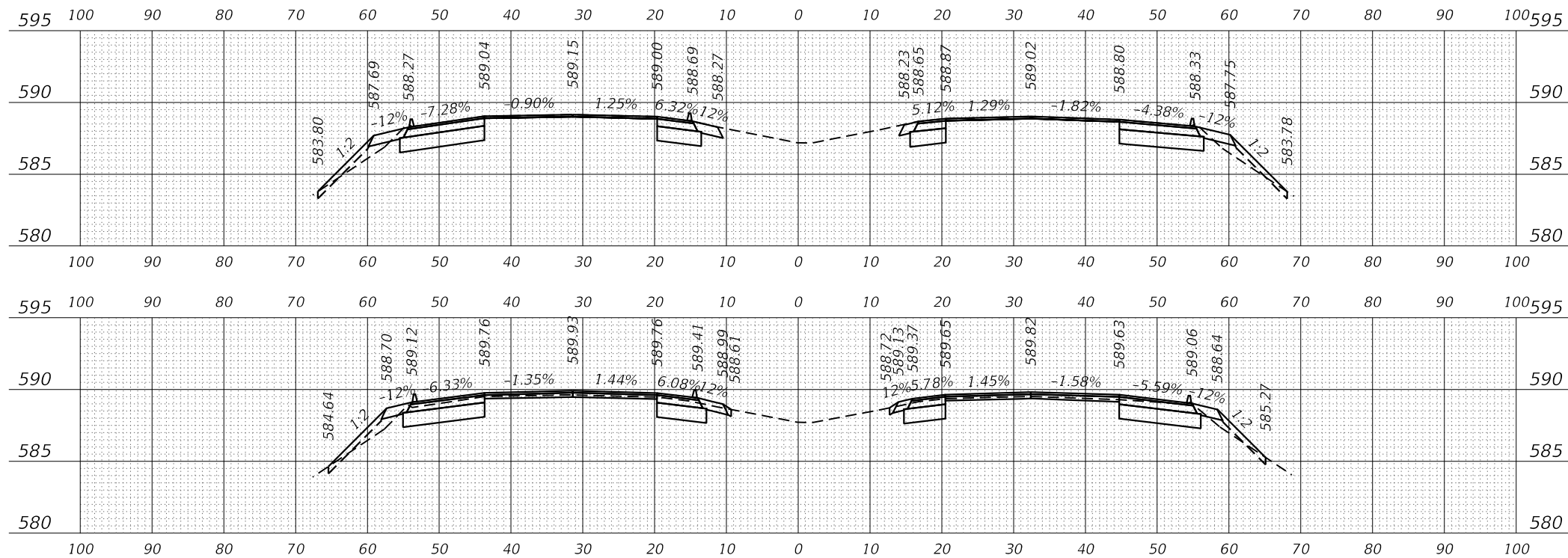
CROSS SECTIONS - I-74		
I-74 OVER SALT FORK VERMILION RIVER		
SCALE: H:10 V:5	SHEET 2 OF 3 SHEETS	STA. 1750+47.80 TO STA. 1760+00+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	143
CONTRACT NO. 70A92				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = ndp	DESIGNED - MNB	REVISED -
	DRAWN - NDP	REVISED -
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PLOT DATE = 3/17/2020	DATE - 03/16/20	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - I-74 I-74 OVER SALT FORK VERMILION RIVER		
SCALE: H:10 V:5	SHEET 3 OF 3 SHEETS	STA. 1760+50.00 TO STA. 1760+87.30

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	144
CONTRACT NO. 70A92				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = brandenburgj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 60.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/26/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SFVR CROSS SECTIONS

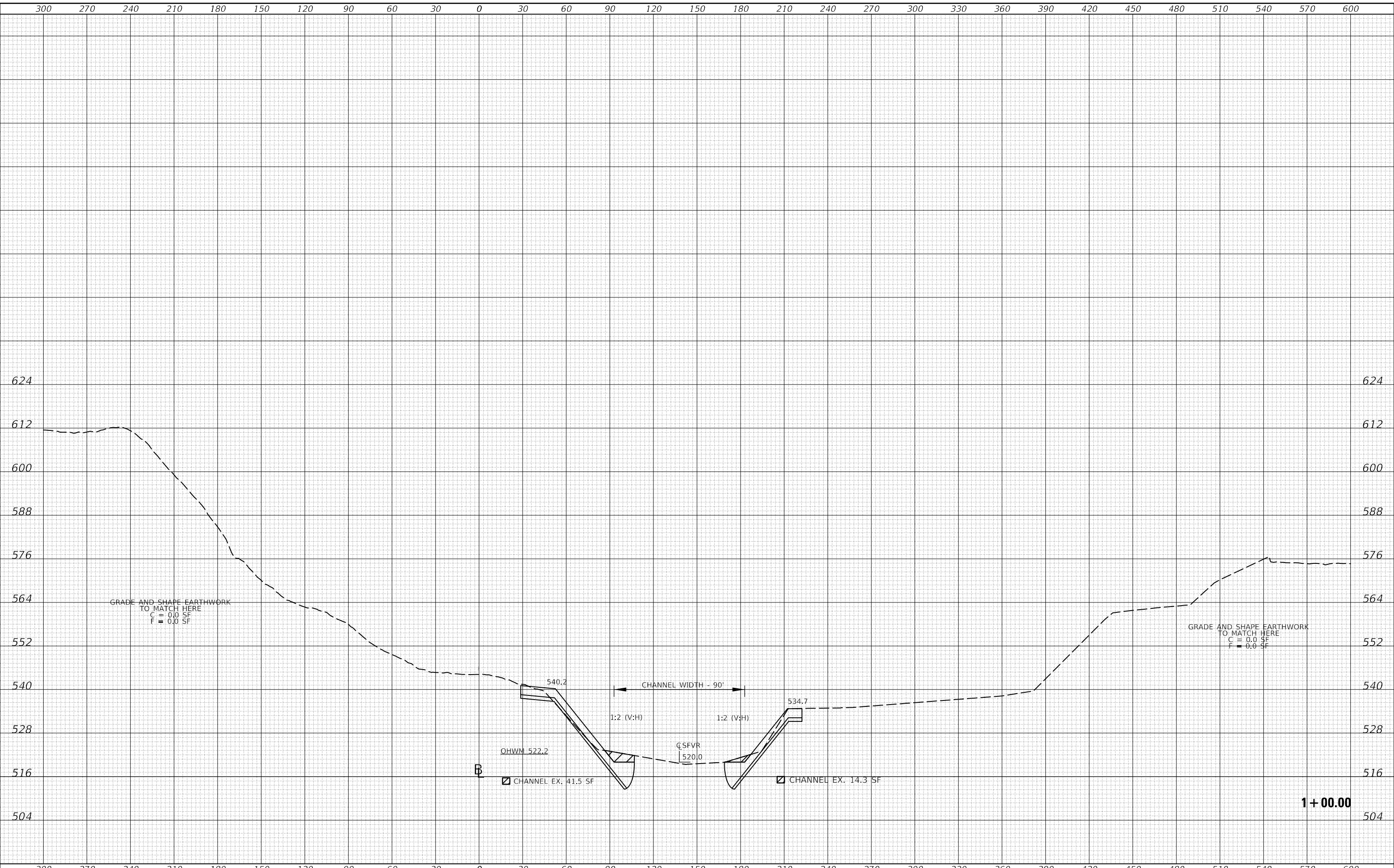
SCALE: SHEET 2 OF 17 SHEETS STA. +25.00 TO STA. +25.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	146
			CONTRACT NO. 70A92	
		ILLINOIS	FED. AID PROJECT	

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

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

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USER NAME = brandenburgjt	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 60.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/26/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SFVR CROSS SECTIONS

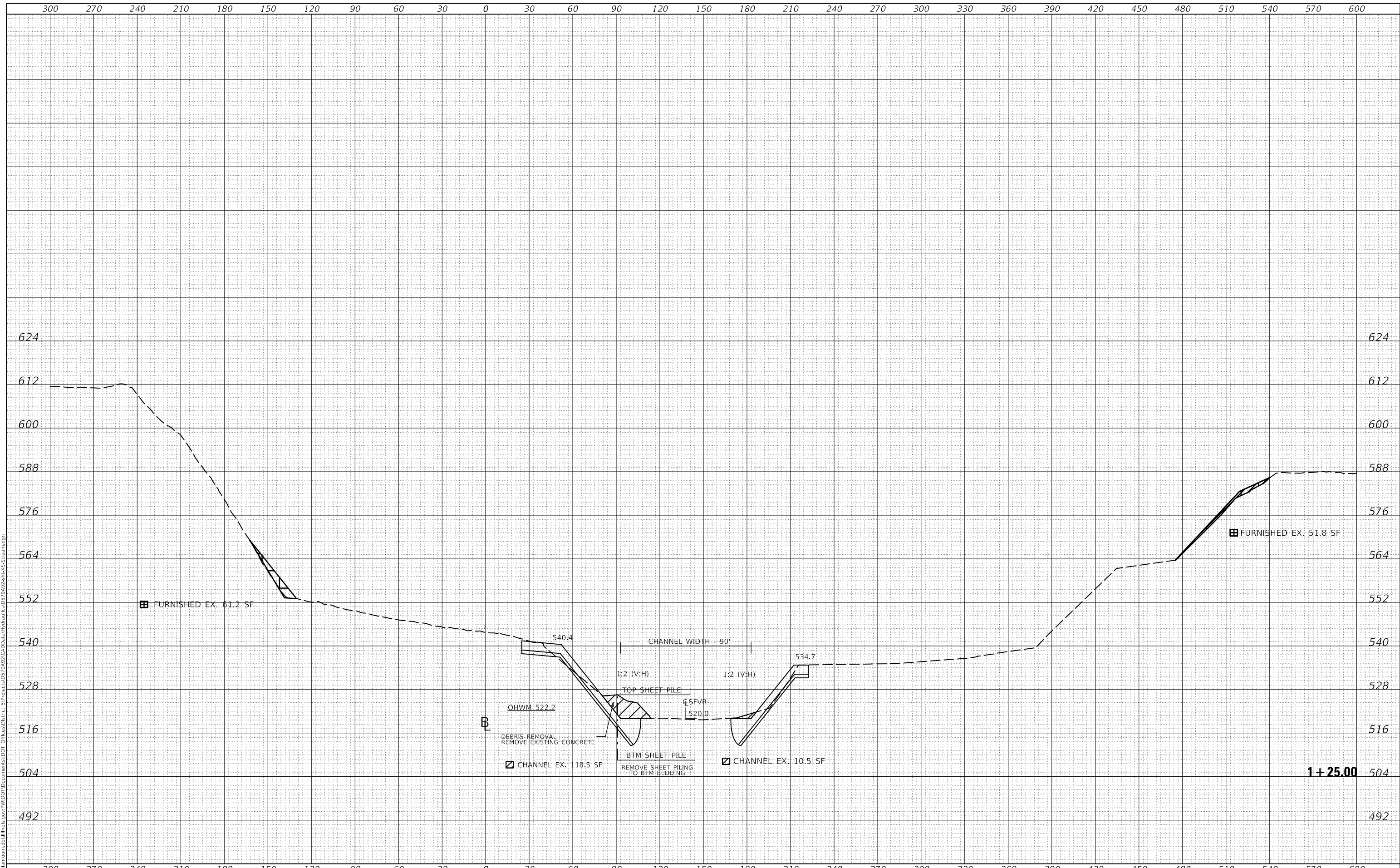
SCALE: SHEET 5 OF 17 SHEETS STA. 1+00.00 TO STA. 1+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	149
			CONTRACT NO. 70A92	
		ILLINOIS	FED. AID PROJECT	

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

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

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USER NAME = brandenburgj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 60,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/26/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SFVR CROSS SECTIONS

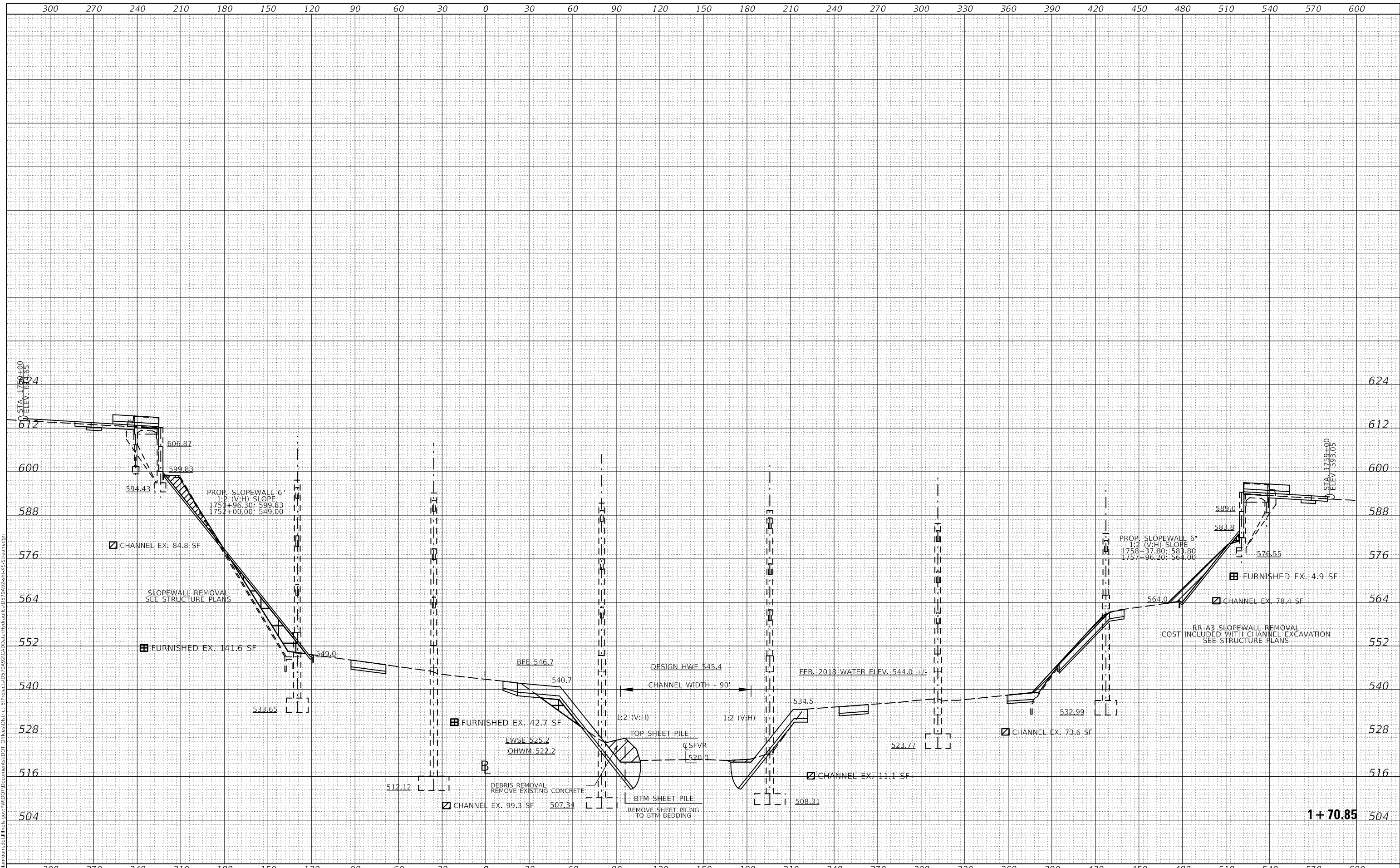
SCALE: SHEET 6 OF 17 SHEETS STA. 1+25.00 TO STA. 1+25.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	150
				CONTRACT NO. 70A92
		ILLINOIS	FED. AID PROJECT	

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

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

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USER NAME = brandenburgj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 60.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/26/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SFVR CROSS SECTION

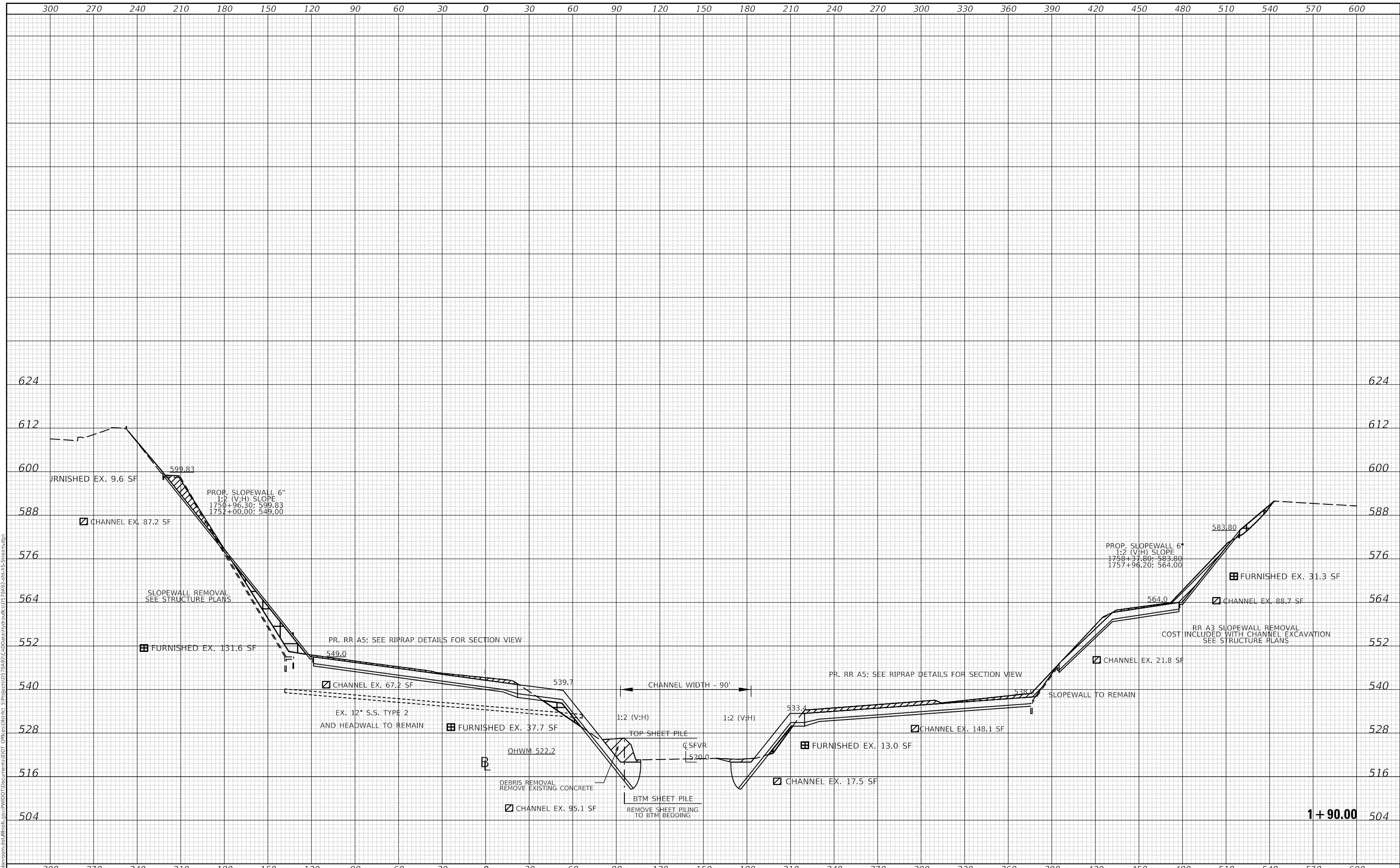
SCALE: SHEET 8 OF 17 SHEETS STA. 1+70.85 TO STA. 1+70.85

F.A.I. RTE. 74	SECTION (92-11)BR-1	COUNTY VERMILION	TOTAL SHEETS 161	SHEET NO. 152
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70A92	

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

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

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USER NAME = brandenburgjt	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 60.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/26/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SFVR CROSS SECTIONS

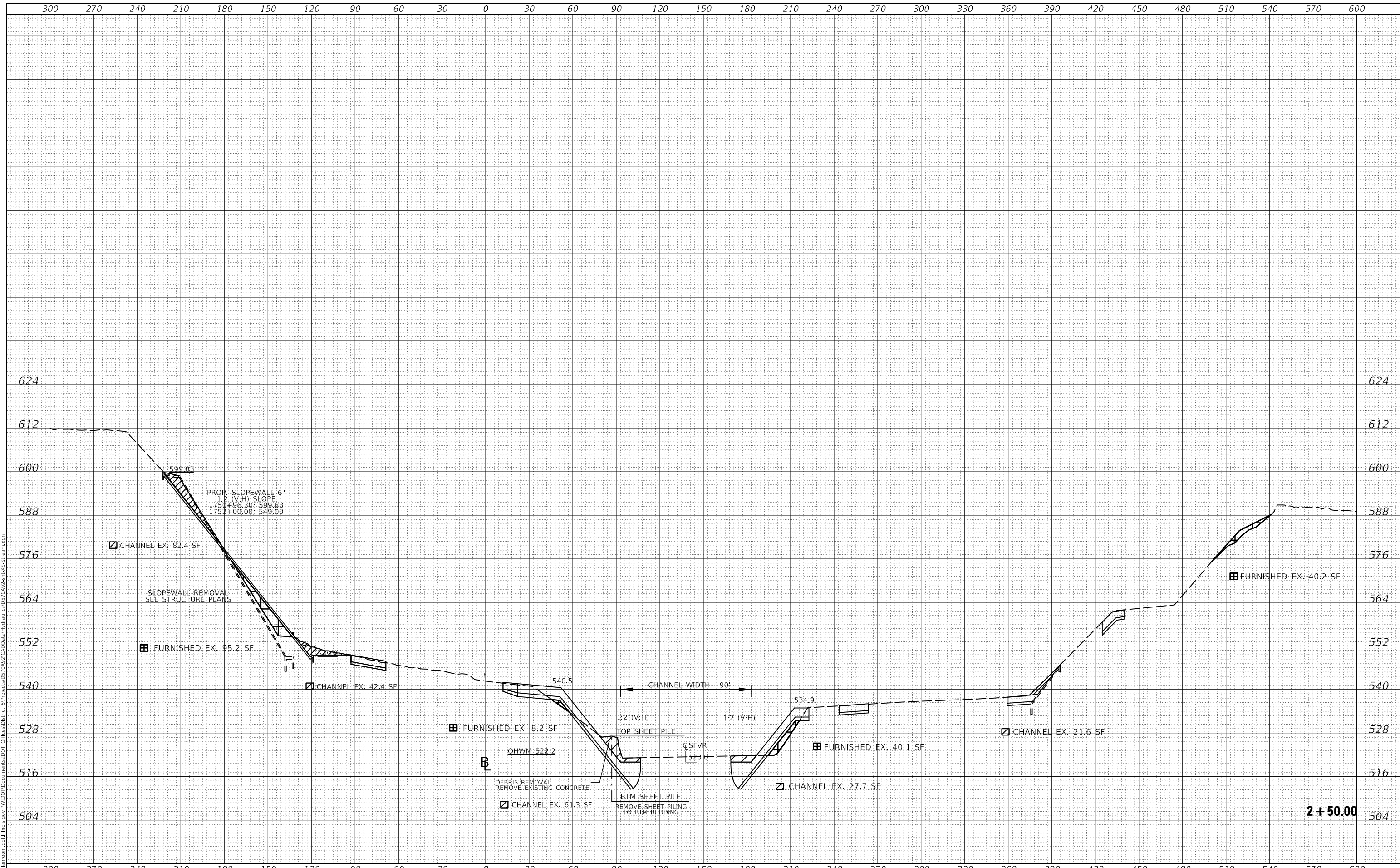
SCALE: SHEET 9 OF 17 SHEETS STA. 1+90.00 TO STA. 1+90.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	153
				CONTRACT NO. 70A92
		ILLINOIS	FED. AID PROJECT	

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

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

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2 + 50.00

USER NAME = brandenburgjt	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 60.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/26/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

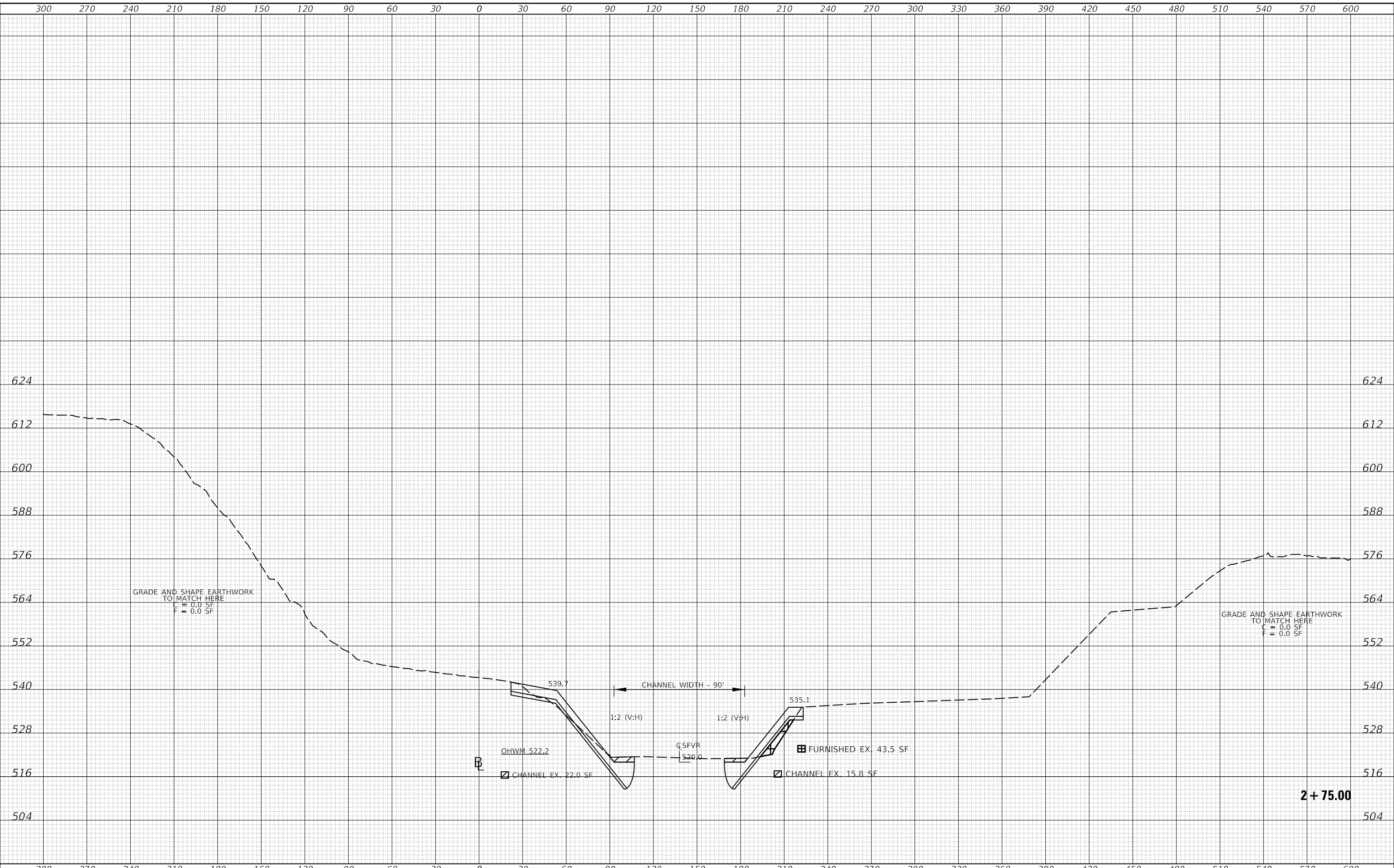
SFVR CROSS SECTIONS	
SCALE:	SHEET 12 OF 17 SHEETS STA. 2+50.00 TO STA. 2+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	156
				CONTRACT NO. 70A92
ILLINOIS				FED. AID PROJECT

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

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

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 OFFICE: DISTRICT 3



USER NAME = brandenburgj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 60.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/26/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SFVR CROSS SECTIONS

SCALE: SHEET 13 OF 17 SHEETS STA. 2+75.00 TO STA. 2+75.00

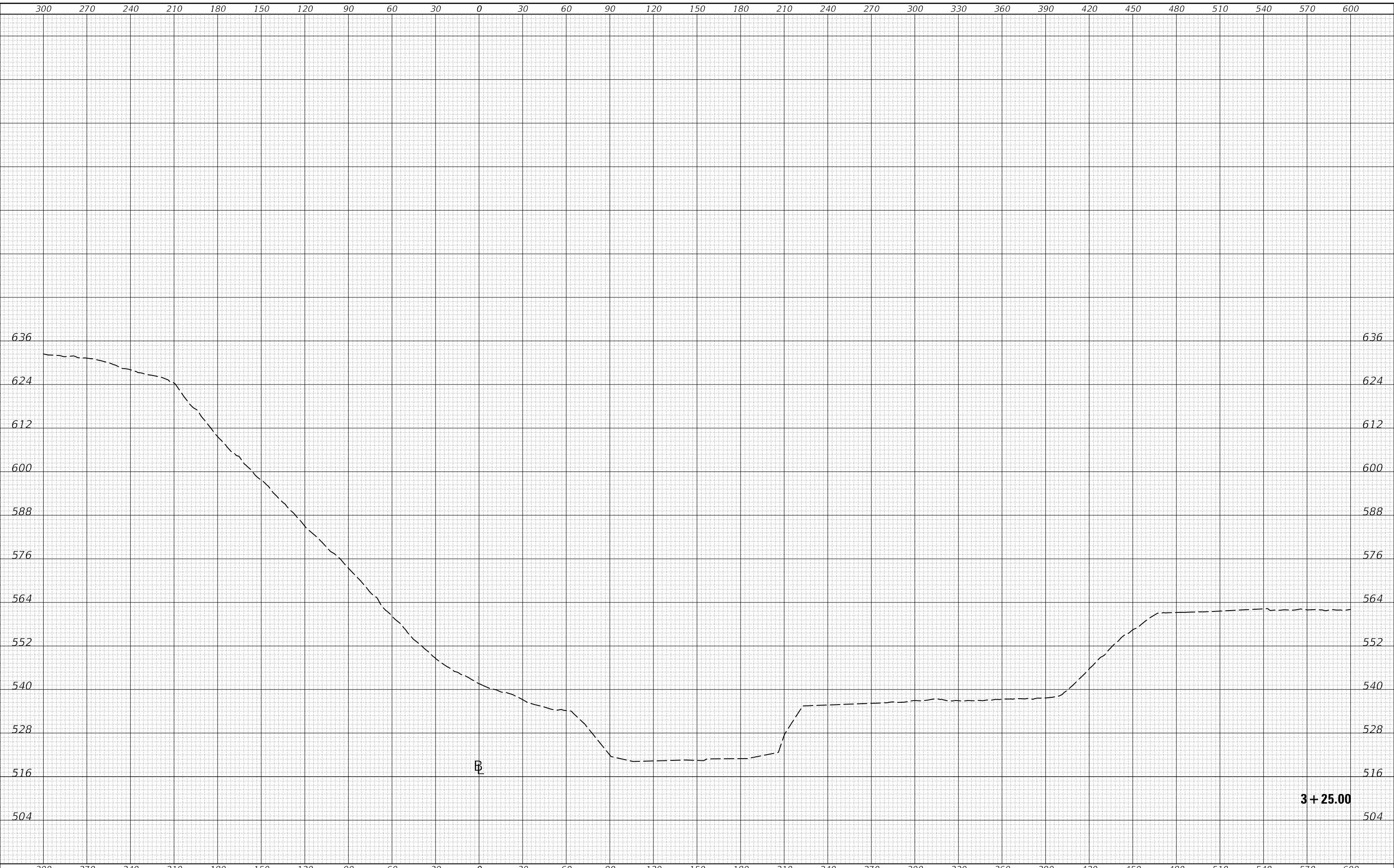
F.A.I. RTE. 74	SECTION (92-11)BR-1	COUNTY VERMILION	TOTAL SHEETS 161	SHEET NO. 157
			CONTRACT NO. 70A92	
		ILLINOIS FED. AID PROJECT		

2+75.00

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

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

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USER NAME = brandenburgj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 60,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/26/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SFVR CROSS SECTIONS

SCALE: SHEET 15 OF 17 SHEETS STA. 3+25.00 TO STA. 3+25.00

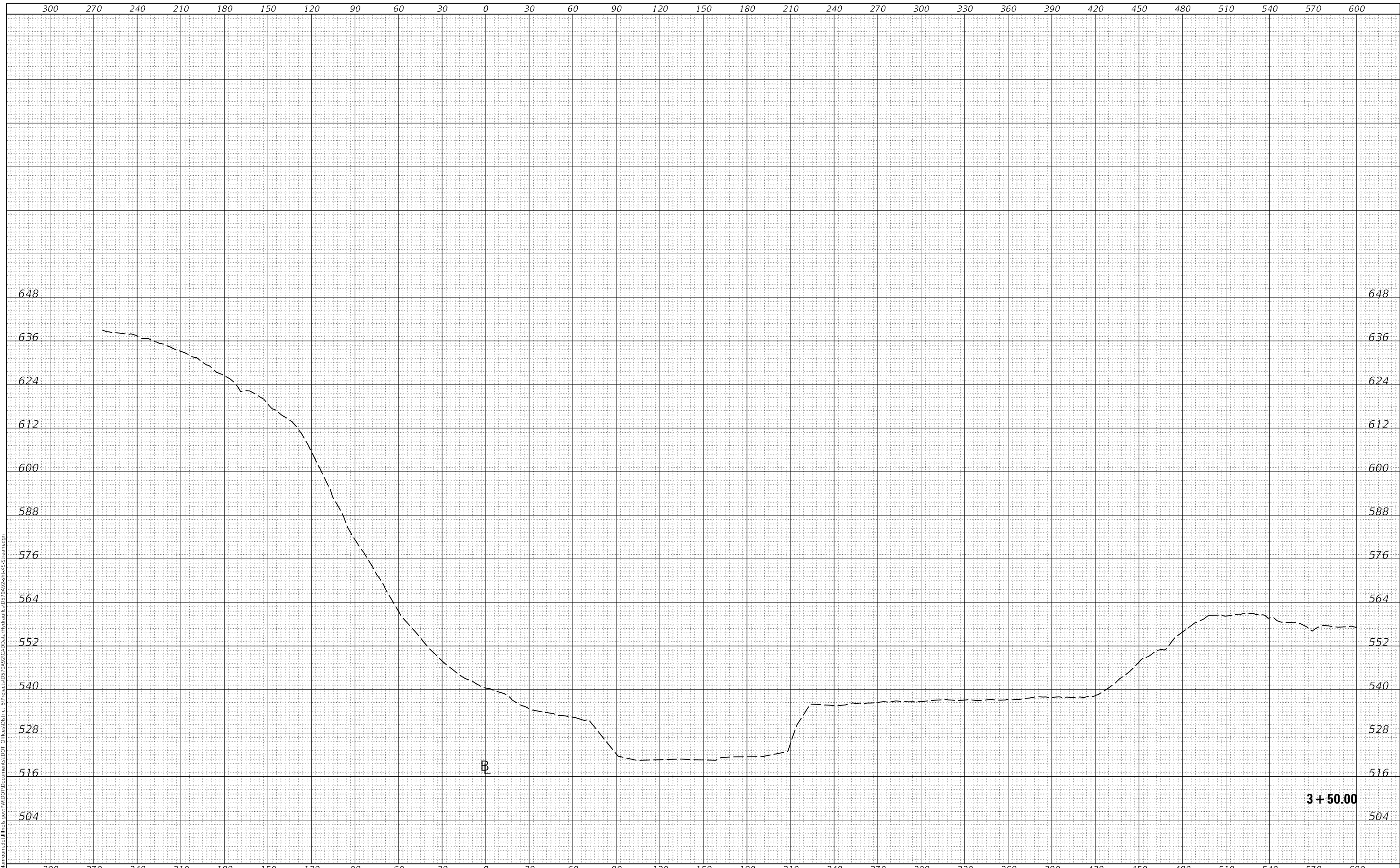
F.A.I.-RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	159
			CONTRACT NO. 70A92	
		ILLINOIS	FED. AID PROJECT	

3 + 25.00

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

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

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 USER: brandenburgj
 DATE: 3/26/2020



USER NAME = brandenburgj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 60,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/26/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SFVR CROSS SECTIONS

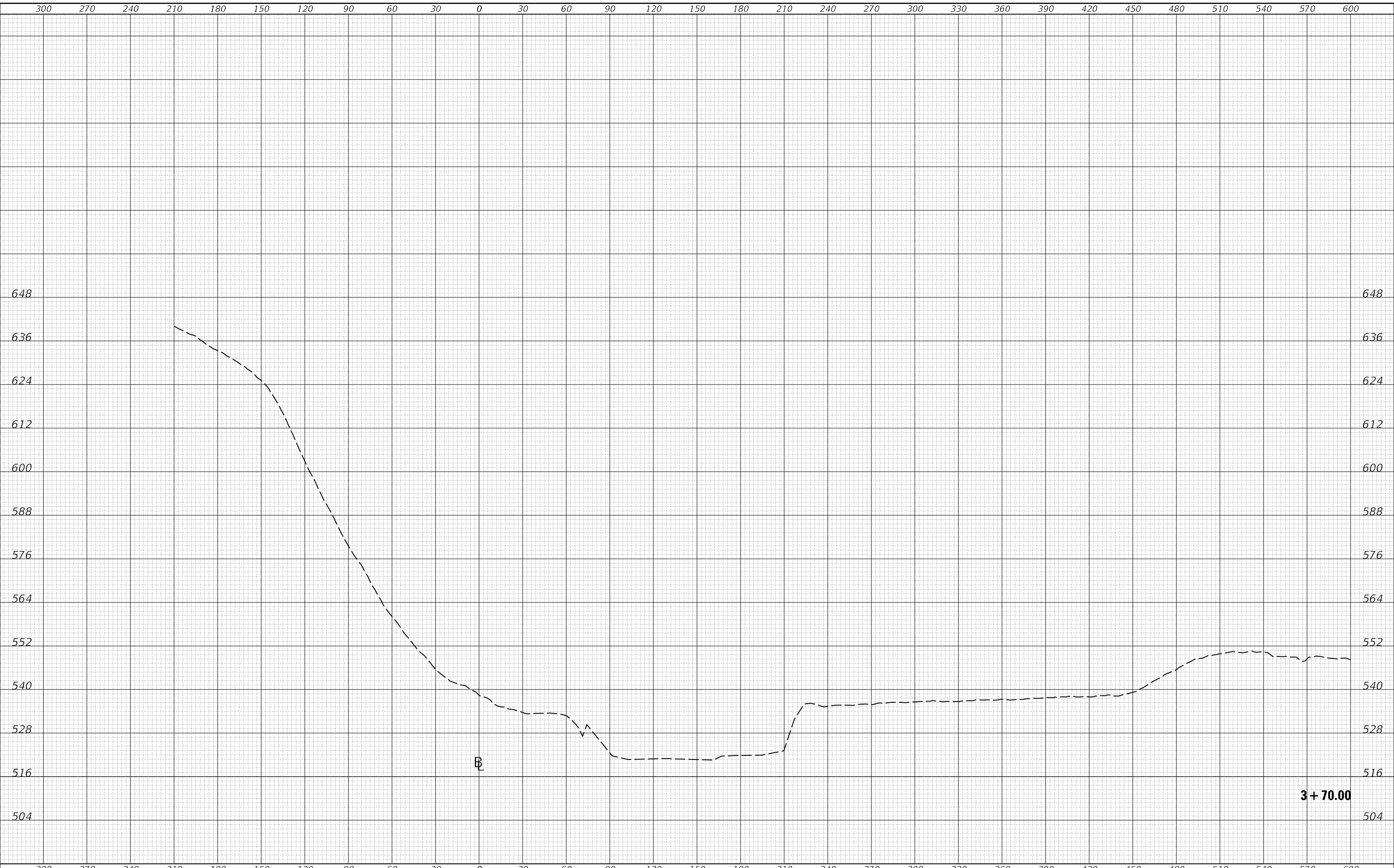
SCALE: SHEET 16 OF 17 SHEETS STA. 3+50.00 TO STA. 3+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	160
			CONTRACT NO. 70A92	
			ILLINOIS FED. AID PROJECT	

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

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

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3 + 70.00

USER NAME = brandenburgj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 60,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/26/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SFVR CROSS SECTIONS

SCALE: SHEET 17 OF 17 SHEETS STA. 3+70.00 TO STA. 3+70.00

F.A.I.-RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(92-11)BR-1	VERMILION	161	161
			CONTRACT NO. 70A92	
		ILLINOIS	FED. AID PROJECT	