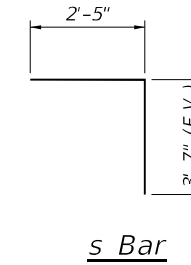
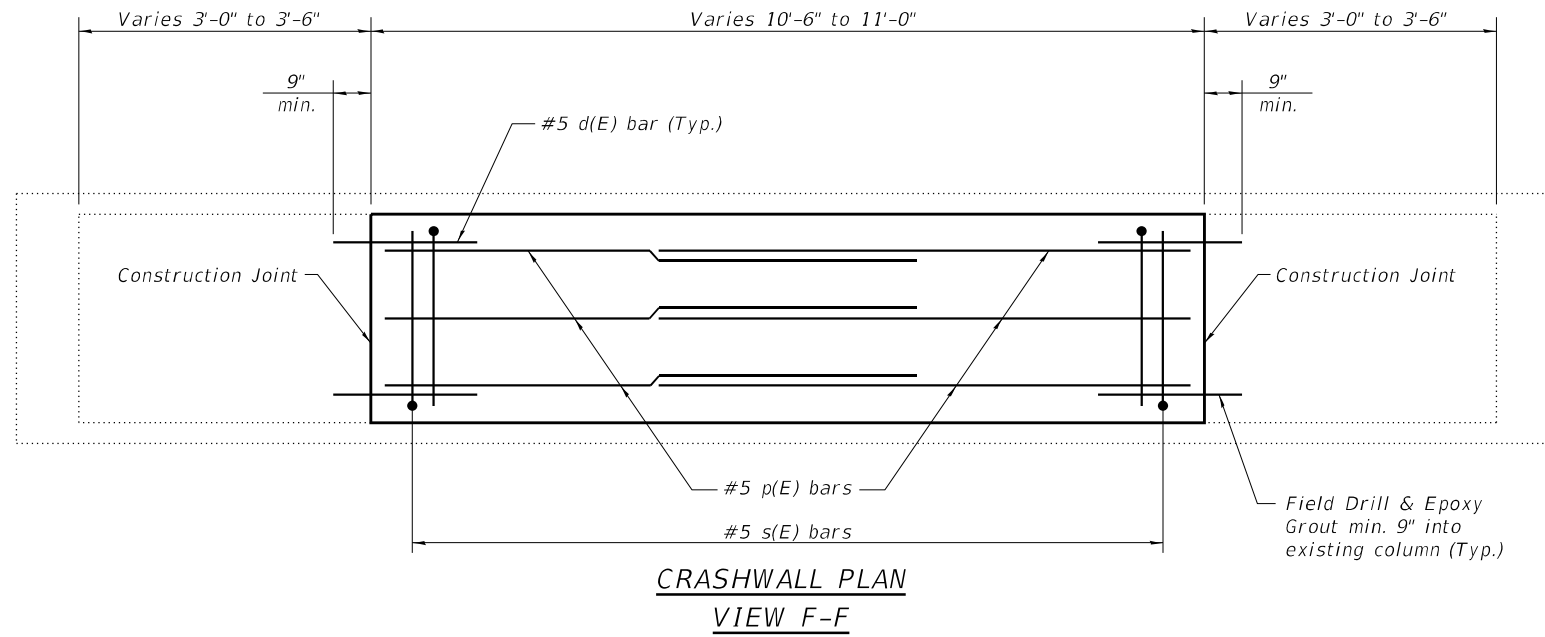


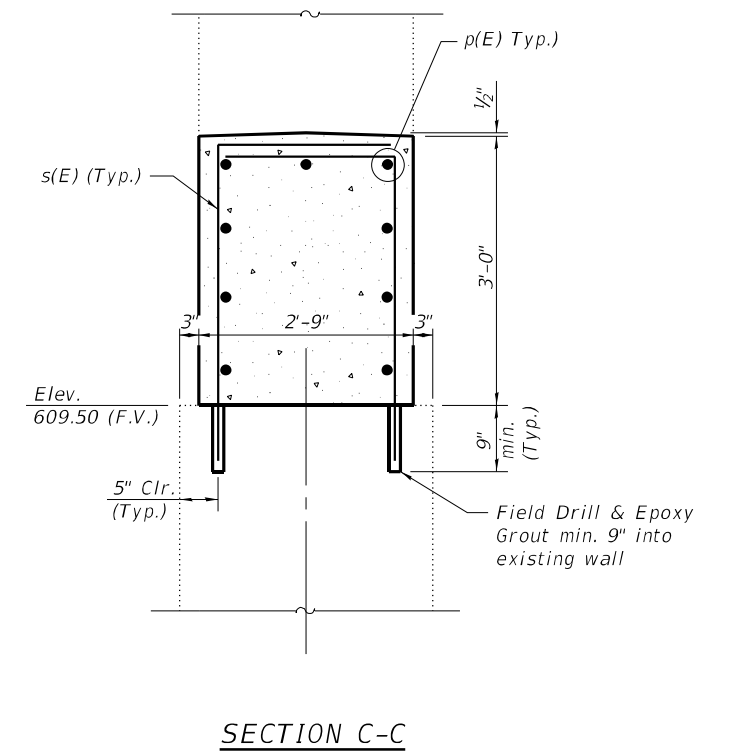
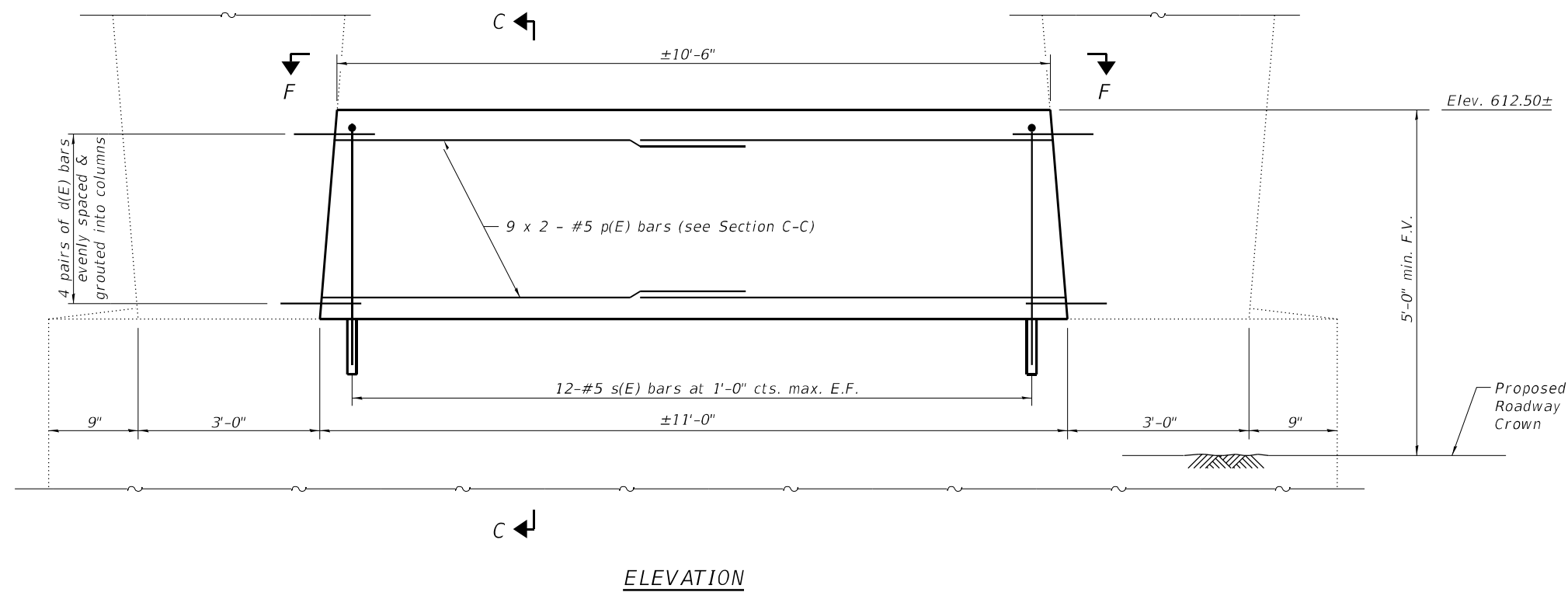
NOTES

1. Bars shall be drilled and grouted according to Section 584 of the Standard Specifications.
2. Concrete Sealer shall be applied only to exposed surface of the new concrete on Pier 3.
3. Bars indicated thus, 9 x 2-#5 bars indicates 9 lines of bars with 2 lengths per line.
4. Field verify that proposed crashwall extension extends a minimum of 5'-0" above the proposed profile grade.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	16	#5	3'-9"	—
p(E)	18	#5	7'-9"	—
s(E)	24	#5	6'-0"	┌
Concrete Structures		Cu. Yd.	3.3	
Concrete Sealer		Sq. Ft.	94	
Reinforcement Bars, Epoxy Coated		Pound	360	



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PLOT DATE =	4/6/2022	CHECKED -	REB	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIER 3 DETAILS
STRUCTURE NO. 025-0064**

SHEET 6 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	301
CONTRACT NO. 74599				

ILLINOIS FED. AID PROJECT

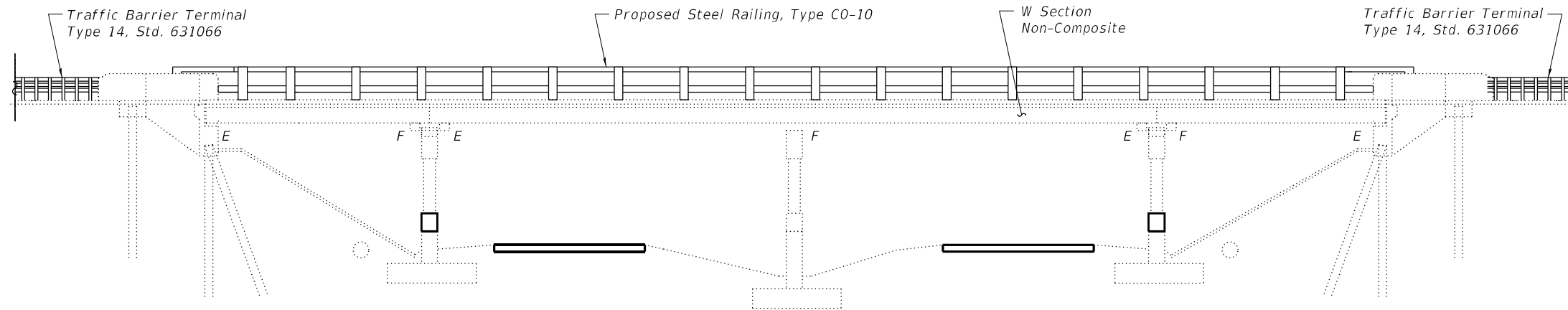
Bench Mark:

Existing Structure: #025-0051 Built in 1960 223'-8" Bk. to Bk. of abutments and 29'-8" Out to Out Width. The structure consists of a R.C. deck on WF beams with 2 spans continuous and 2 simple spans. Traffic to be maintained with daytime closure with flaggers.

No salvage.

INDEX OF SHEETS

1. General Plan
2. General Data
3. Steel Railing, Type C0-10
4. Pier 1 Details
5. Pier 2 Details
6. Pier 3 Details



ELEVATION

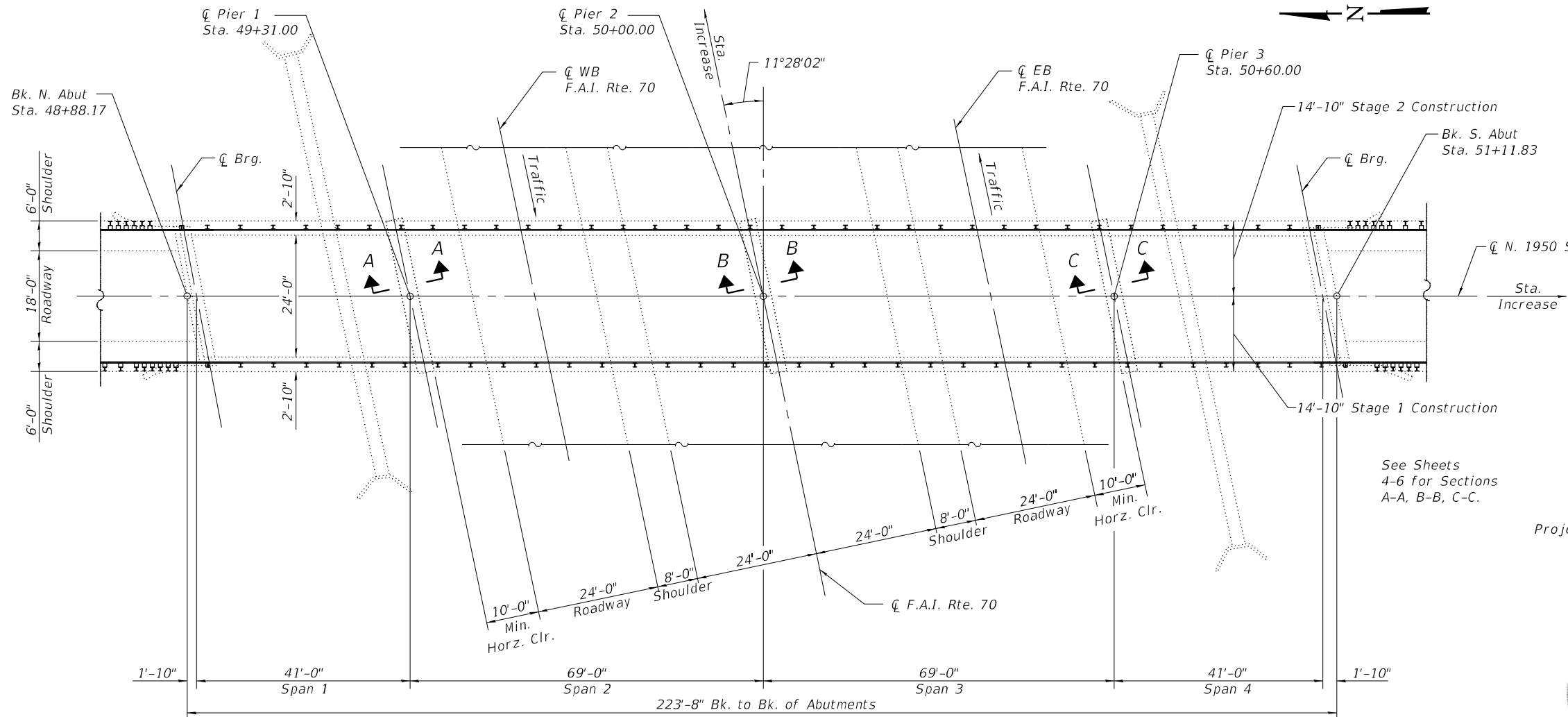
LOADING HS-15

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications
for Highway Bridges

DESIGN STRESSES

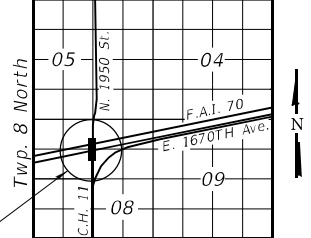
NEW CONSTRUCTION
 $f'_c = 4,000$ psi
 $f_y = 60,000$ psi (Reinforcement)

EXISTING CONSTRUCTION
 $f'_c = 3,500$ psi
 $f_y = 40,000$ psi (Reinforcement)
 $f_y = 33,000$ psi (Structural Steel)



PLAN

Range 7 East, 3rd P.M.



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
N. 1950 ST. OVER FAI 70
STATION 2552+50.00
STRUCTURE NO. 025-0051
EFFINGHAM COUNTY



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PLOT DATE =	4/6/2022	CHECKED -	REB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 025-0051

SHEET 1 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	302
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

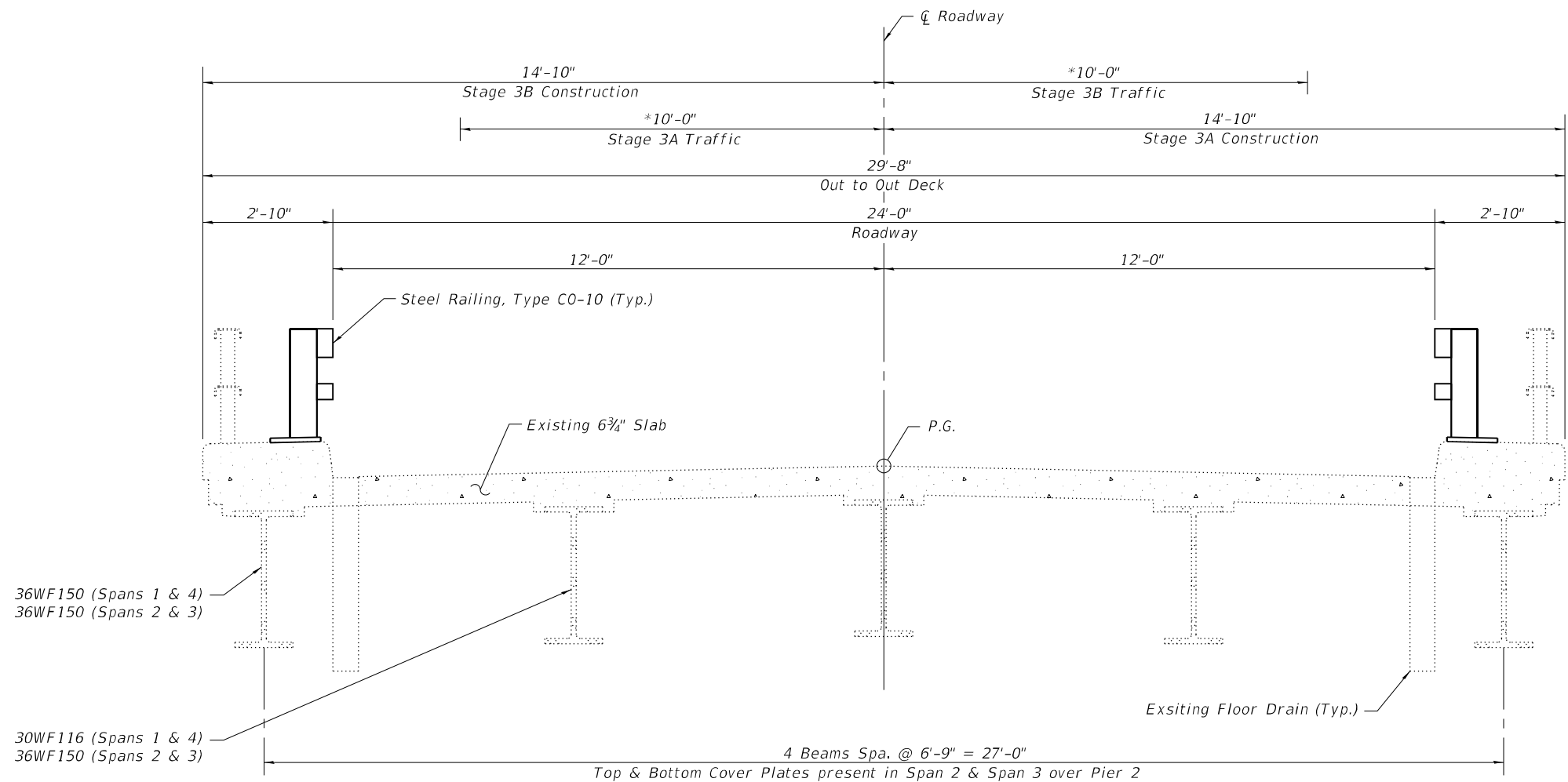
1. No field welding is permitted except as specified in the contract documents.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
4. Concrete Sealer shall be applied to the designated areas of the piers.
5. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
6. All elevations shown on plans are based on 1960 plans and therefore NGVD 29 Datum. Elevations shall be confirmed with survey.

SCOPE OF WORK

1. Install Steel Railing Type C0-10.
2. Construct crashwalls at piers.
3. Patch concrete at piers.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Structures	Cu. Yd.	-	11.1	11.1
Concrete Sealer	Sq. Ft.	-	315	315
Reinforcement Bars, Epoxy Coated	Pounds	-	1140	1140
Steel Railing, Type C0-10	Foot	433	-	433
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	-	7	7



CROSS SECTION

(Looking South)

*Lane Closure, 2L 2W, Day only
for speeds ≥ 45 mph.
Std. 701201-05

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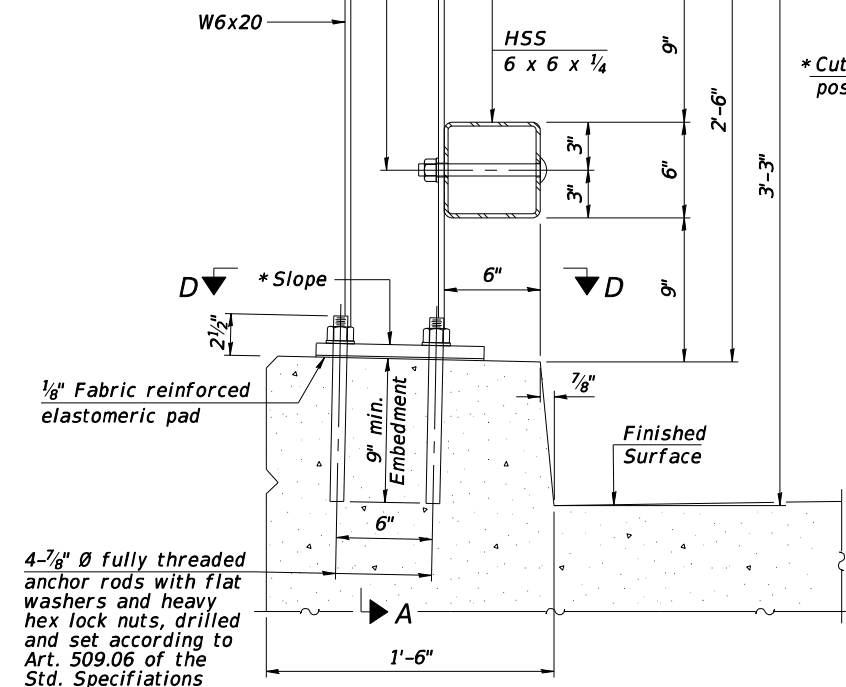
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
STRUCTURE NO. 025-0051**

SHEET 2 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	303
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

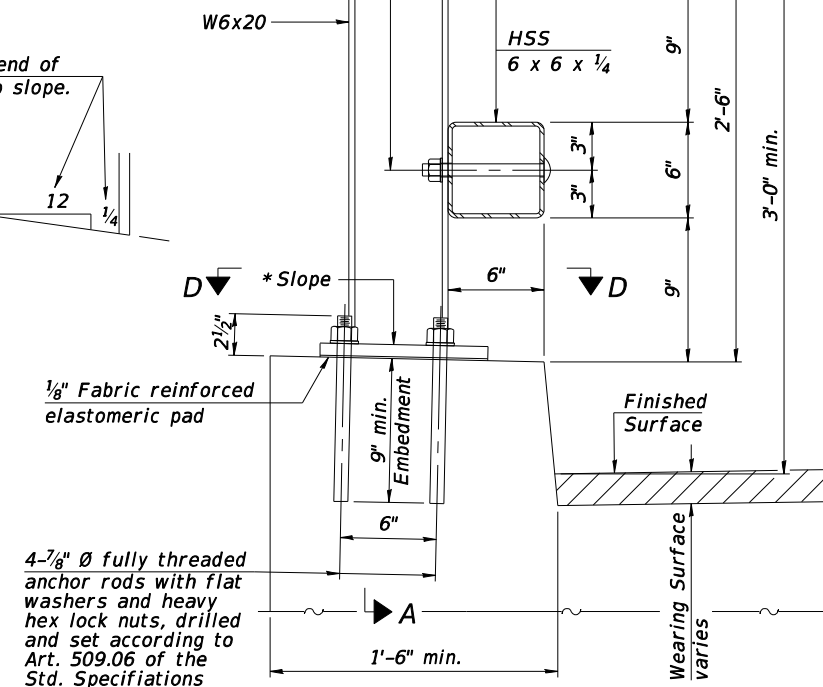
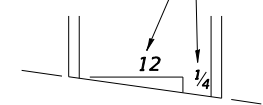
4 - 3/4" Ø x 7 1/2" Round head bolts with heavy hex locknuts and flat washers. Field drill 7/8" Ø holes in HSS tubing using holes in post as template.



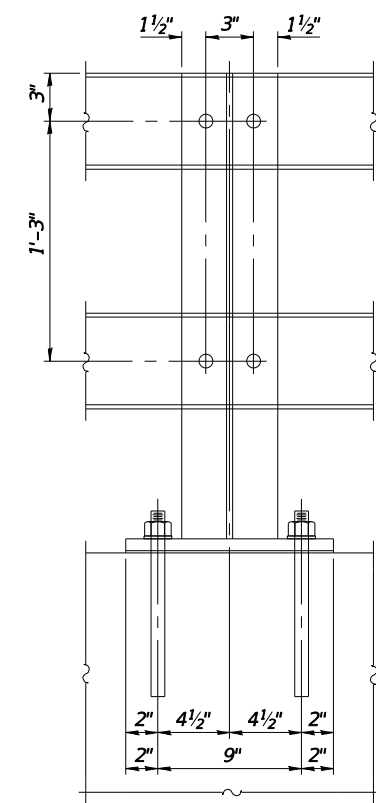
SECTION AT RAIL POST
(New construction)

4 - 3/4" Ø x 7 1/2" Round head bolts with heavy hex locknuts and flat washers. Field drill 7/8" Ø holes in HSS tubing using holes in post as template.

*Cut bottom end of post to curb slope.

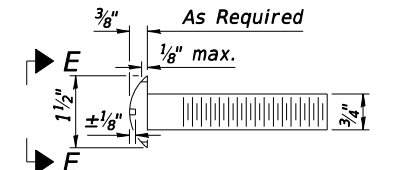


SECTION AT RAIL POST
(Retrofit construction)

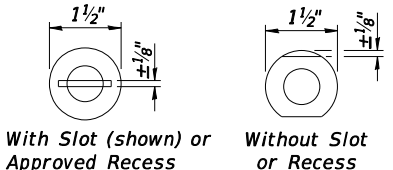


SECTION A-A

Notes:
 All HSS tubing shall be ASTM A500 grade C.
 All plates shall be AASHTO M270 grade 50.
 All heavy hex nuts shall be according to ASTM A563 grade DH.
 All fully threaded anchor rods shall be ASTM F1554 grade 105.
 The post base plate shall be fastened to the curb snug tight and given an additional 1/8" turn.
 Posts shall not be located closer than 2'-6" to a bridge expansion joint.
 Provide one 1/8" and two 1/16" steel shims for 25% of the posts. Shims shall be similar to base plates in size and holes.
 All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
 All HSS tubing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.
 Rail splice inserts may be built out of 2 - 3/8" bent plates in lieu of the 4 plate rail splice inserts shown, provided the outside dimensions are matched.
 All round head bolts shall be ASTM A449.
 The centerline of rail splices shall be placed between 1'-8" to 2'-6" from the centerline of the posts. The free end of the splice tube shall be oriented away from the closest post.

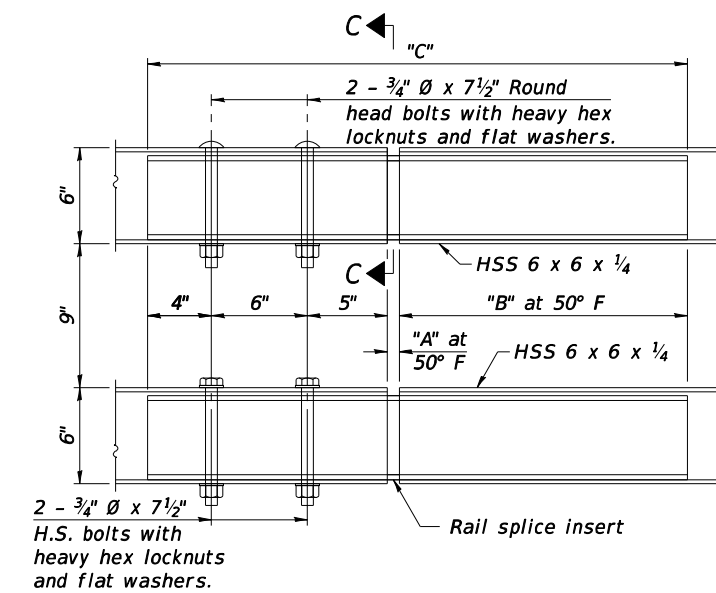


ROUND HEAD BOLT DETAIL

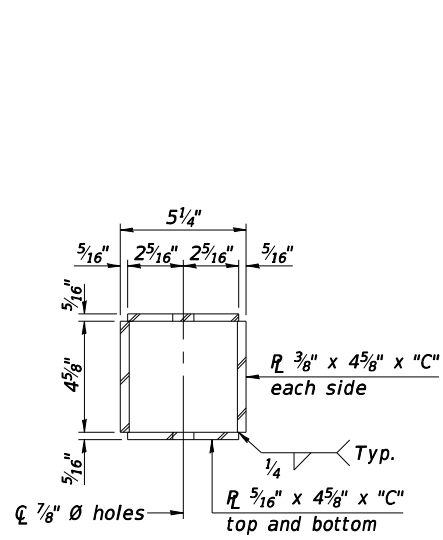


VIEW E-E

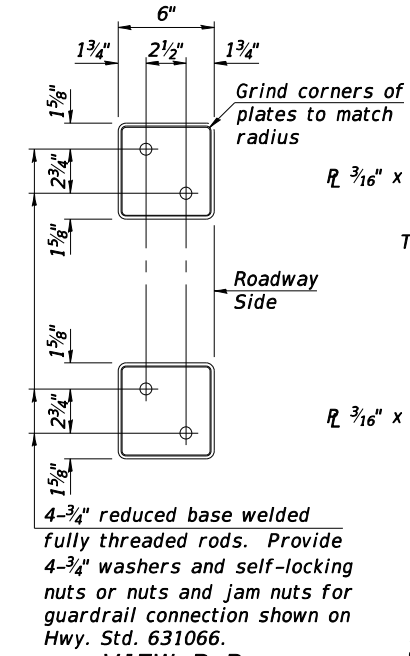
4 - 7/8" Ø fully threaded anchor rods with flat washers and heavy hex lock nuts, drilled and set according to Art. 509.06 of the Std. Specifications



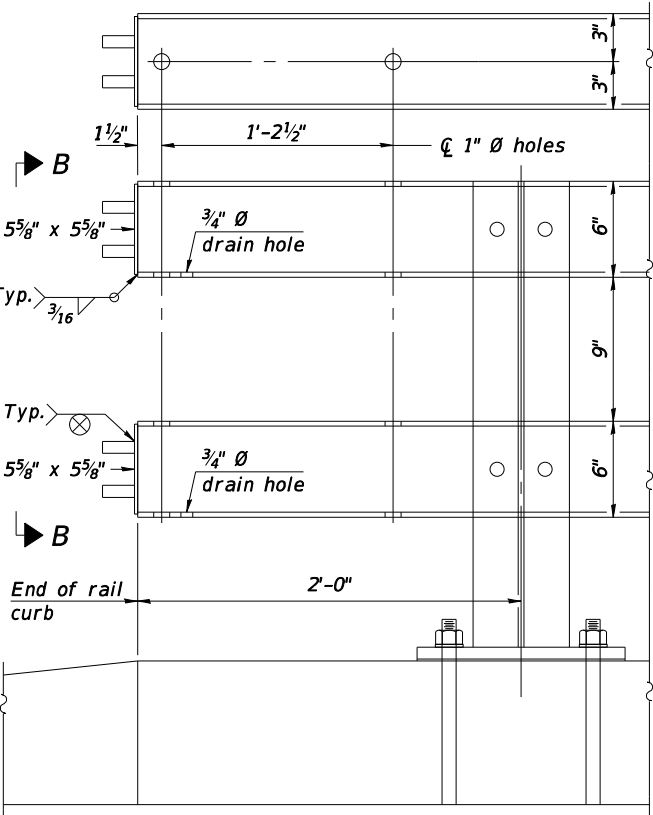
TOP AND BOTTOM RAIL SPLICE ELEVATION



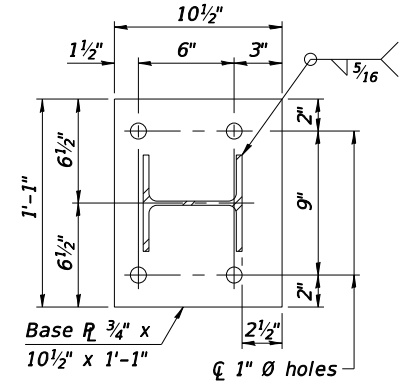
SECTION C-C



VIEW B-B



END OF RAIL DETAILS



SECTION D-D

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type C0-10	Foot	433

RAILING CRITERIA

MASH 2016 Test Level	4
Railing Weight (plf)	75
Min F'c (psi)	4,500
Post Spacing Range	6'-8" - 10'-0"

SPLICE DIMENSIONS

Location	T	A	B	C
All locs. not over exp. jts.	0	1/2"	1'-6"	2'-9 1/2"
Over Strip Seal Jt.	≤ 4"	2 1/2"	1'-8"	3'-1 1/2"
Over Finger or Modular Jt.	≤ 9 1/2"	5 1/2"	1'-10 3/4"	3'-7 1/4"
Over Finger or Modular Jt.	≤ 15"	8 1/4"	2'-1 1/2"	4'-0 3/4"

T = 1/2"; total movement along centerline of roadway at expansion joint.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL RAILING, TYPE C0-10
STRUCTURE NO. 025-0051

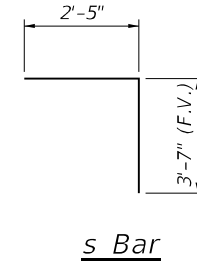
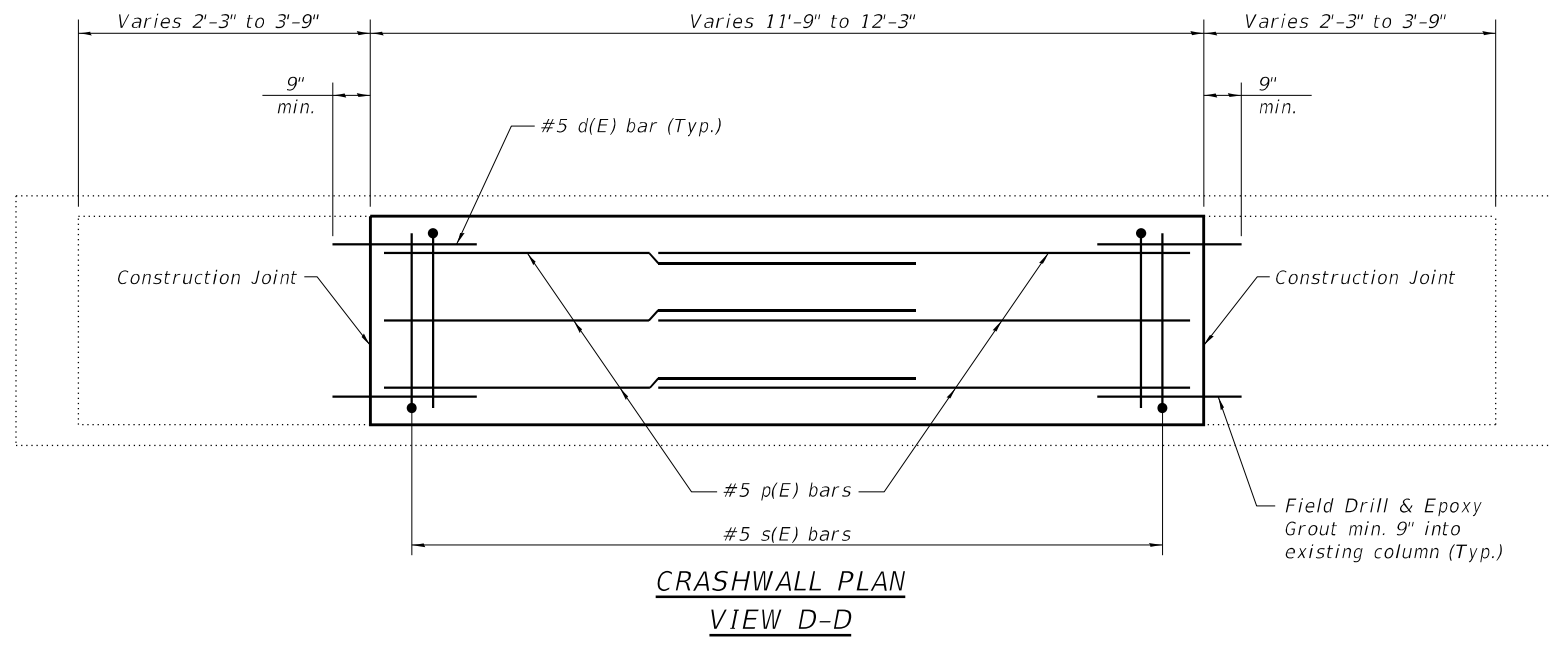
SHEET 3 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 74599

ILLINOIS FED. AID PROJECT

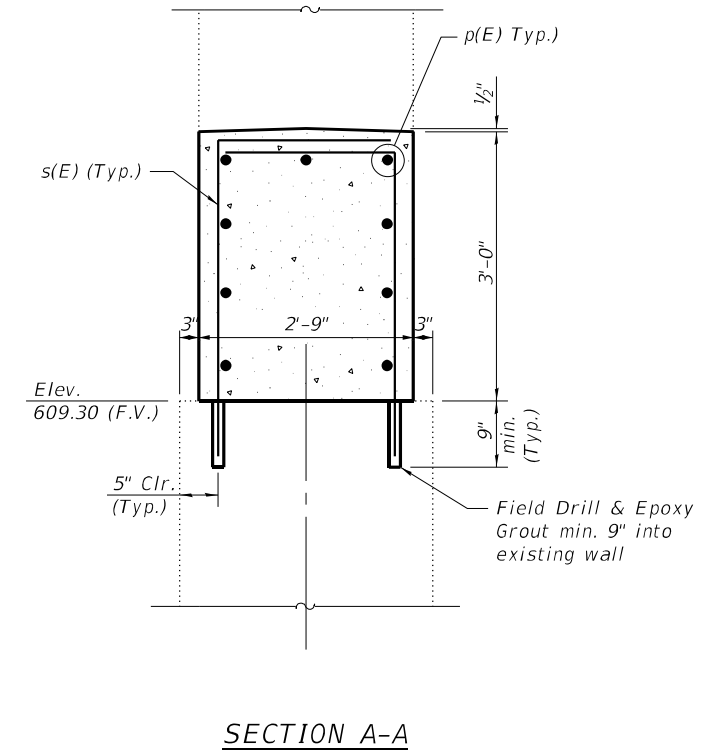
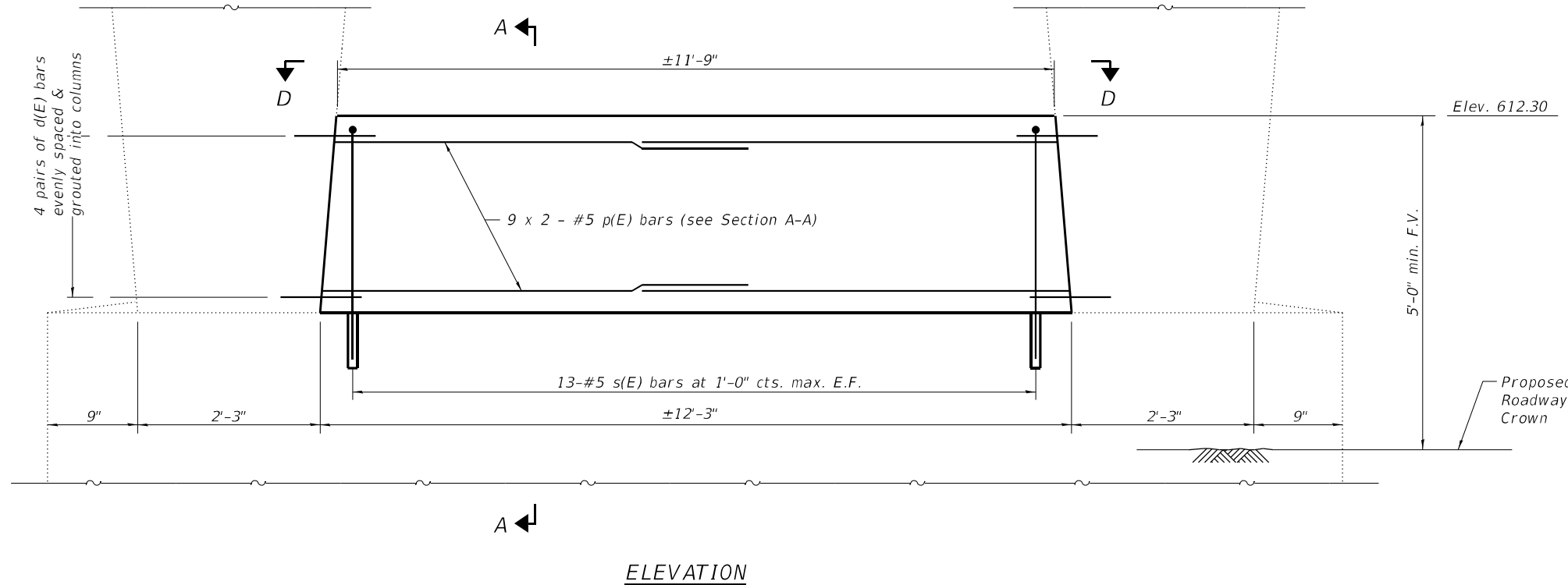
NOTES

1. Bars shall be drilled and grouted according to Section 584 of the Standard Specifications.
2. Concrete Sealer shall be applied only to exposed surface of the new concrete on Pier 1.
3. Bars indicated thus, 9 x 2-#5 bars indicates 9 lines of bars with 2 lengths per line.
4. Field verify that proposed crashwall extension extends a minimum of 5'-0" above the proposed profile grade.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	16	#5	3'-9"	—
p(E)	18	#5	7'-9"	—
s(E)	26	#5	6'-0"	—
Concrete Structures	Cu. Yd.	3.7		
Concrete Sealer	Sq. Ft.	105		
Reinforcement Bars, Epoxy Coated	Pound	380		



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIER 1 DETAILS
STRUCTURE NO. 025-0051**

SHEET 4 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	305
CONTRACT NO. 74599				

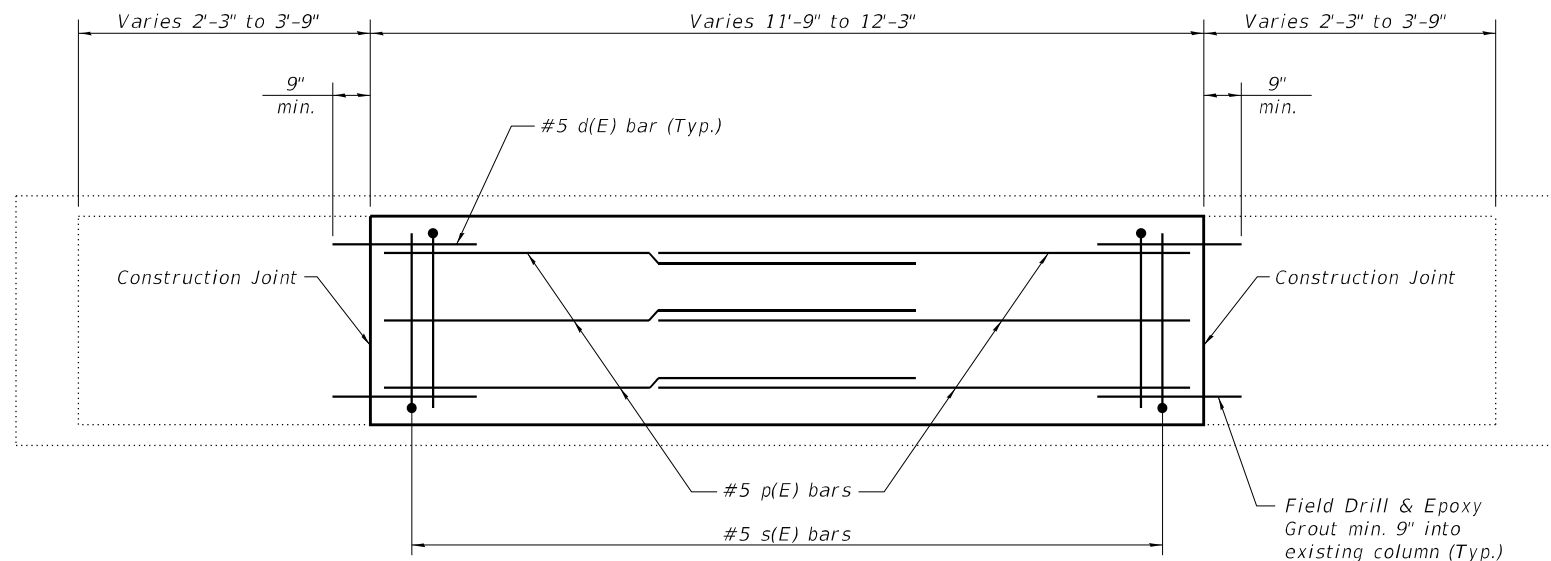
ILLINOIS FED. AID PROJECT

NOTES

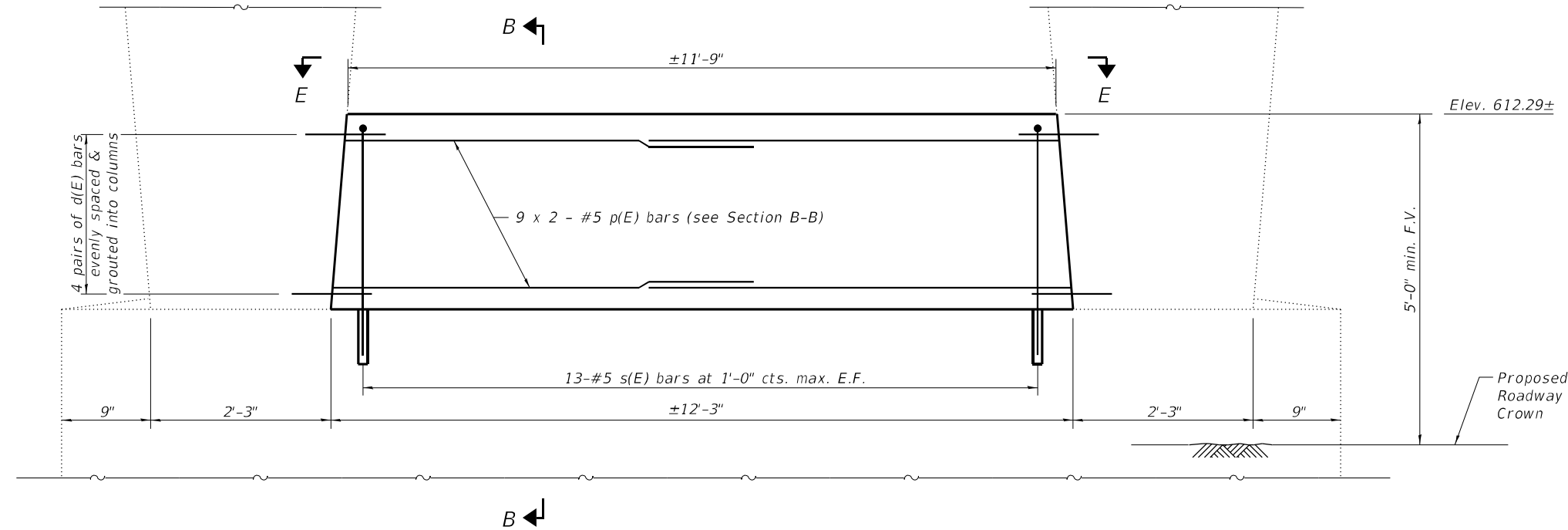
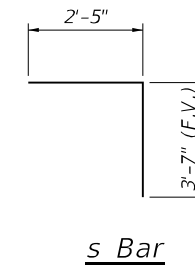
1. Bars shall be drilled and grouted according to Section 584 of the Standard Specifications.
2. Concrete Sealer shall be applied only to exposed surface of the new concrete on Pier 2.
3. Bars indicated thus, 9 x 2-#5 bars indicates 9 lines of bars with 2 lengths per line.
4. Field verify that proposed crashwall extension extends a minimum of 5'-0" above the proposed profile grade.

BILL OF MATERIAL

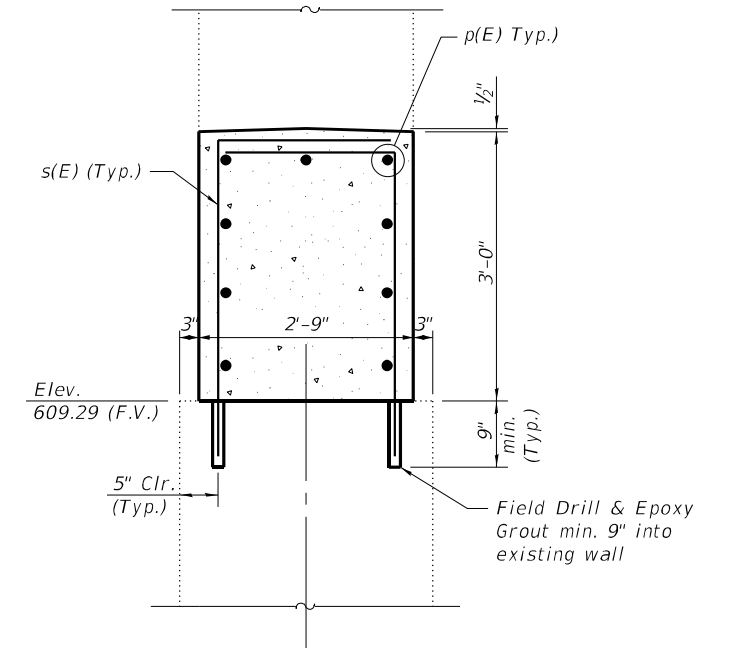
Bar	No.	Size	Length	Shape
d(E)	16	#5	3'-9"	—
p(E)	18	#5	7'-9"	—
s(E)	26	#5	6'-0"	┌
Concrete Structures	Cu. Yd.	3.7		
Concrete Sealer	Sq. Ft.	105		
Reinforcement Bars, Epoxy Coated	Pound	380		



**CRASHWALL PLAN
VIEW E-E**



ELEVATION



SECTION A-A

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIER 2 DETAILS
STRUCTURE NO. 025-0051**

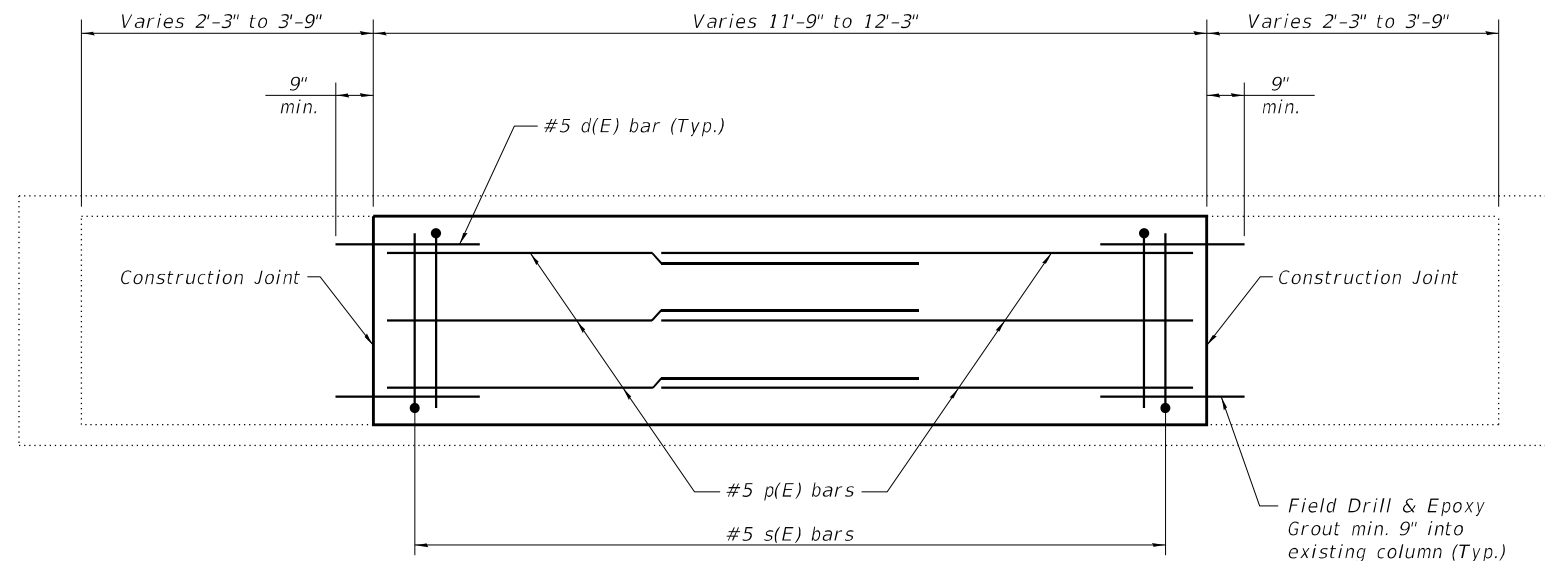
SHEET 5 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74599				

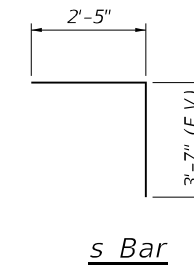
ILLINOIS FED. AID PROJECT

NOTES

1. Bars shall be drilled and grouted according to Section 584 of the Standard Specifications.
2. Concrete Sealer shall be applied only to exposed surface of the new concrete on Pier 3.
3. Bars indicated thus, 9 x 2-#5 bars indicates 9 lines of bars with 2 lengths per line.
4. Field verify that proposed crashwall extension extends a minimum of 5'-0" above the proposed profile grade.

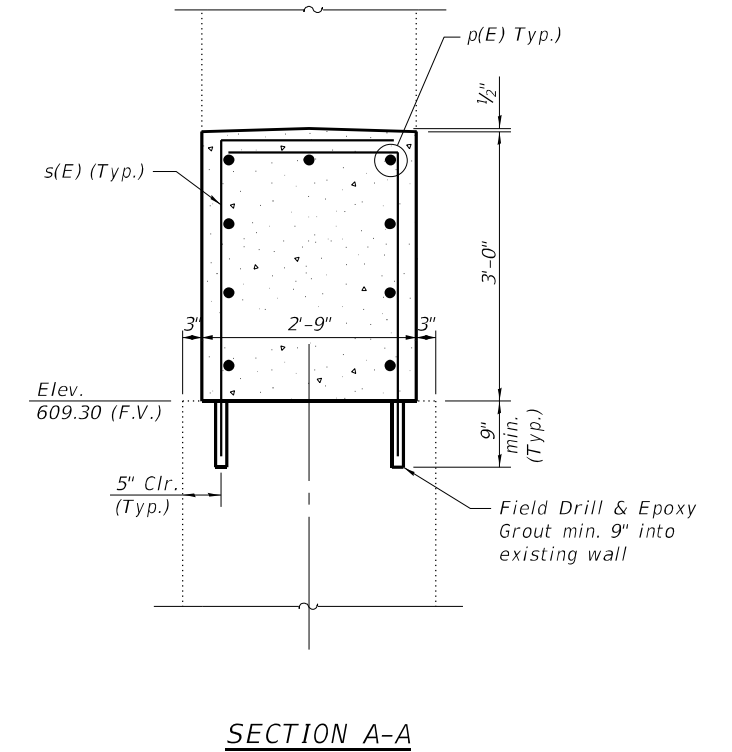
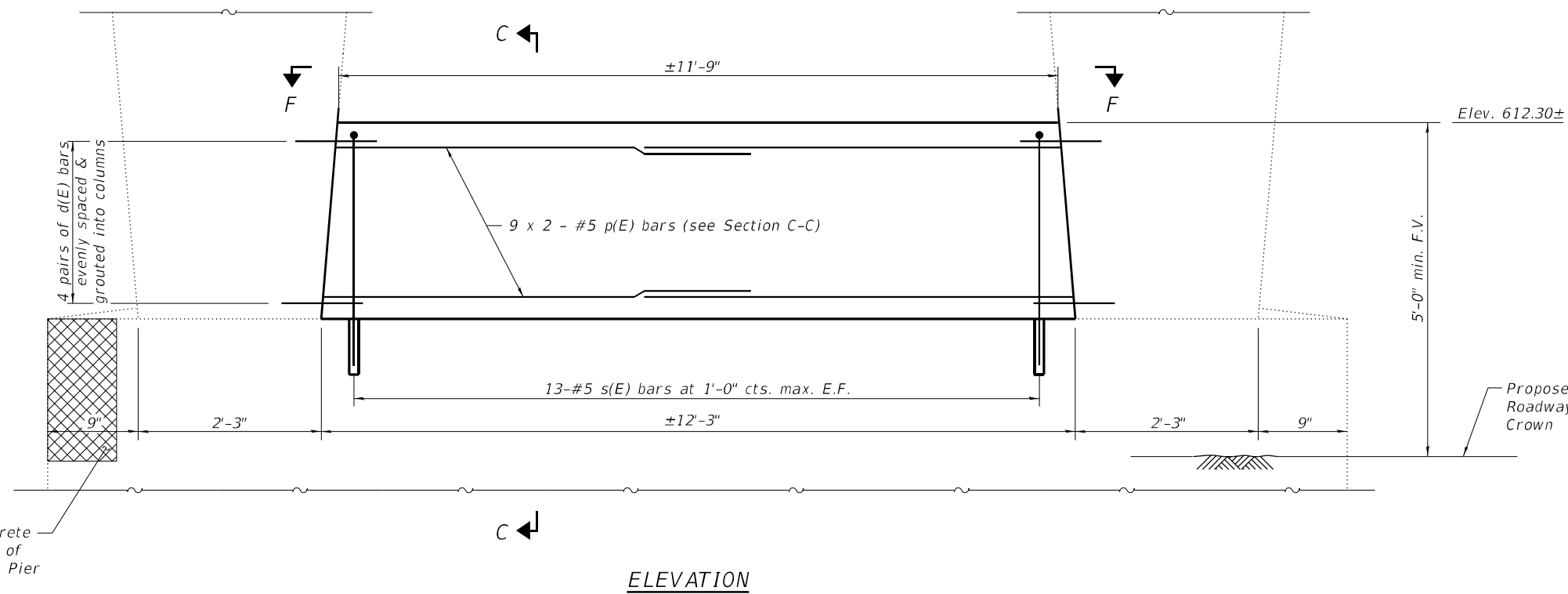


**CRASHWALL PLAN
VIEW F-F**



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	16	#5	3'-9"	—
p(E)	18	#5	7'-9"	—
s(E)	26	#5	6'-0"	┌
Concrete Structures		Cu. Yd.	3.7	
Concrete Sealer		Sq. Ft.	105	
Reinforcement Bars, Epoxy Coated		Pound	380	
Structure Repair of Concrete (Depth Equal to or Less than 5 inches)		Sq. Ft.	7	



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 Troy, IL 62294
 PHONE: 618.667.1400



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIER 3 DETAILS
STRUCTURE NO. 025-0051**

SHEET 6 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	307
CONTRACT NO. 74599				

ILLINOIS FED. AID PROJECT

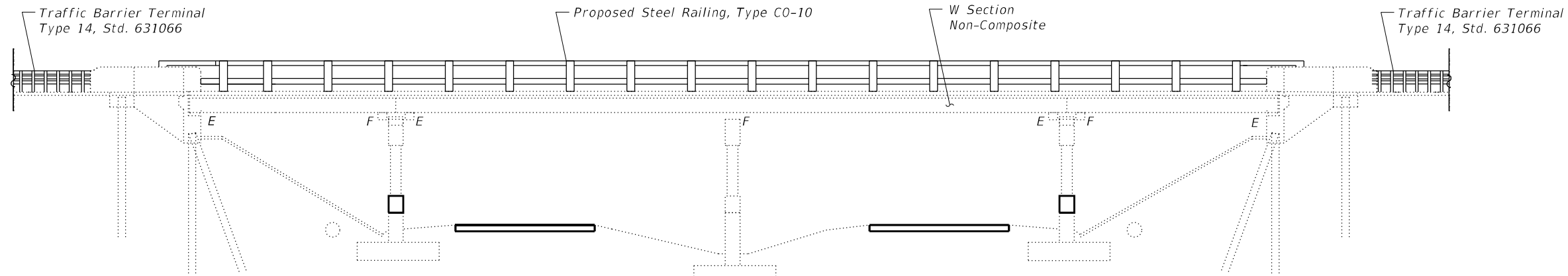
Bench Mark:

Existing Structure: #025-0052 Built in 1960 223'-6" Bk. to Bk. of abutments and 29'-8" Out to Out Width. The structure consists of a R.C. deck on WF beams with 2 spans continuous and 2 simple spans. Traffic to be maintained with daytime closure with flaggers.

No salvage.

INDEX OF SHEETS

1. General Plan
2. General Data
3. Steel Railing, Type C0-10
4. Pier 1 Details
5. Pier 2 Details
6. Pier 3 Details



ELEVATION

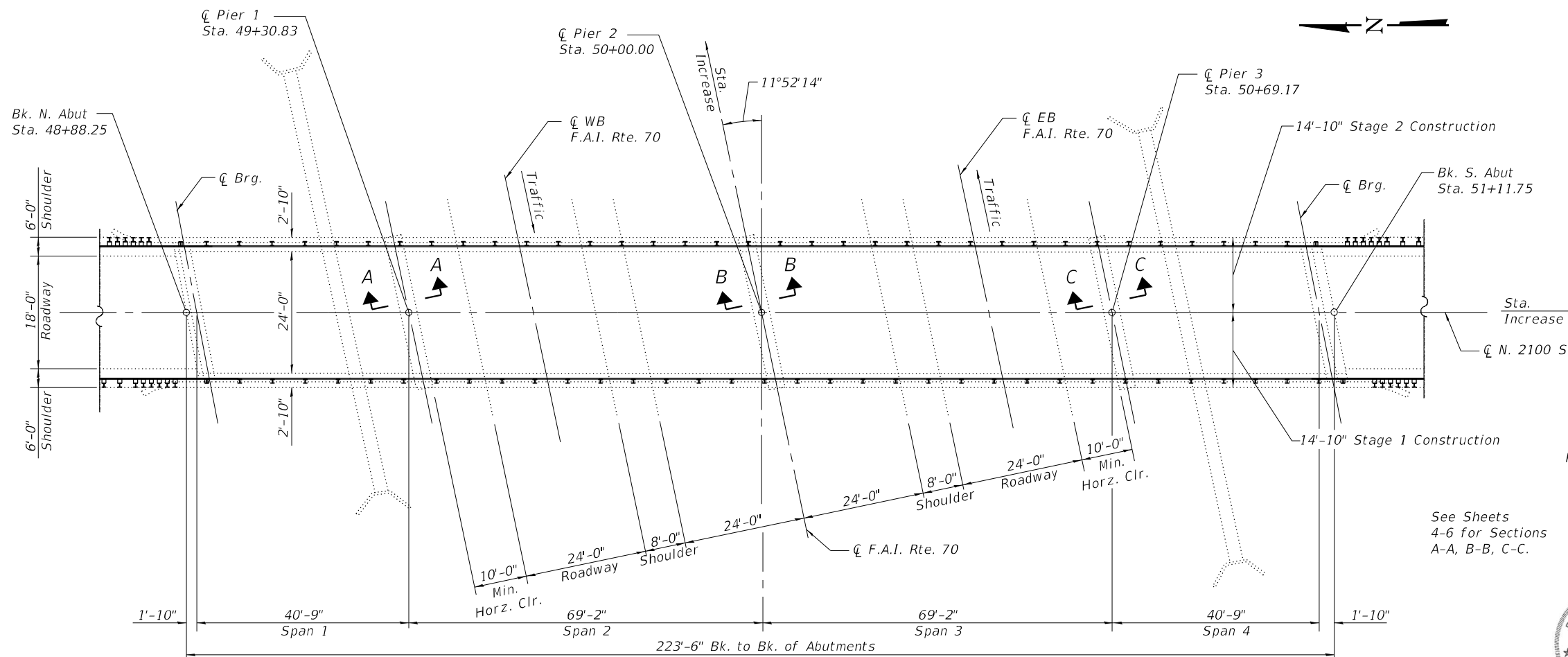
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DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications
for Highway Bridges

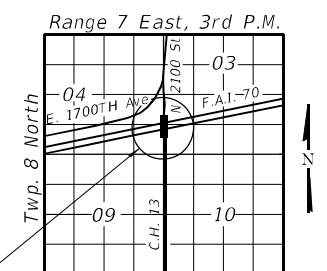
DESIGN STRESSES

NEW CONSTRUCTION
f'c = 4,000 psi
fy = 60,000 psi (Reinforcement)

EXISTING CONSTRUCTION
f'c = 3,500 psi
fy = 40,000 psi (Reinforcement)
fy = 33,000 psi (Structural Steel)



PLAN



LOCATION SKETCH

See Sheets
4-6 for Sections
A-A, B-B, C-C.



GENERAL PLAN AND ELEVATION

N. 2100 ST. OVER FAI 70
STATION 2633+55.00
STRUCTURE NO. 025-0052
EFFINGHAM COUNTY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 025-0052

SHEET 1 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	308
CONTRACT NO. 74599				

ILLINOIS FED. AID PROJECT

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GENERAL NOTES

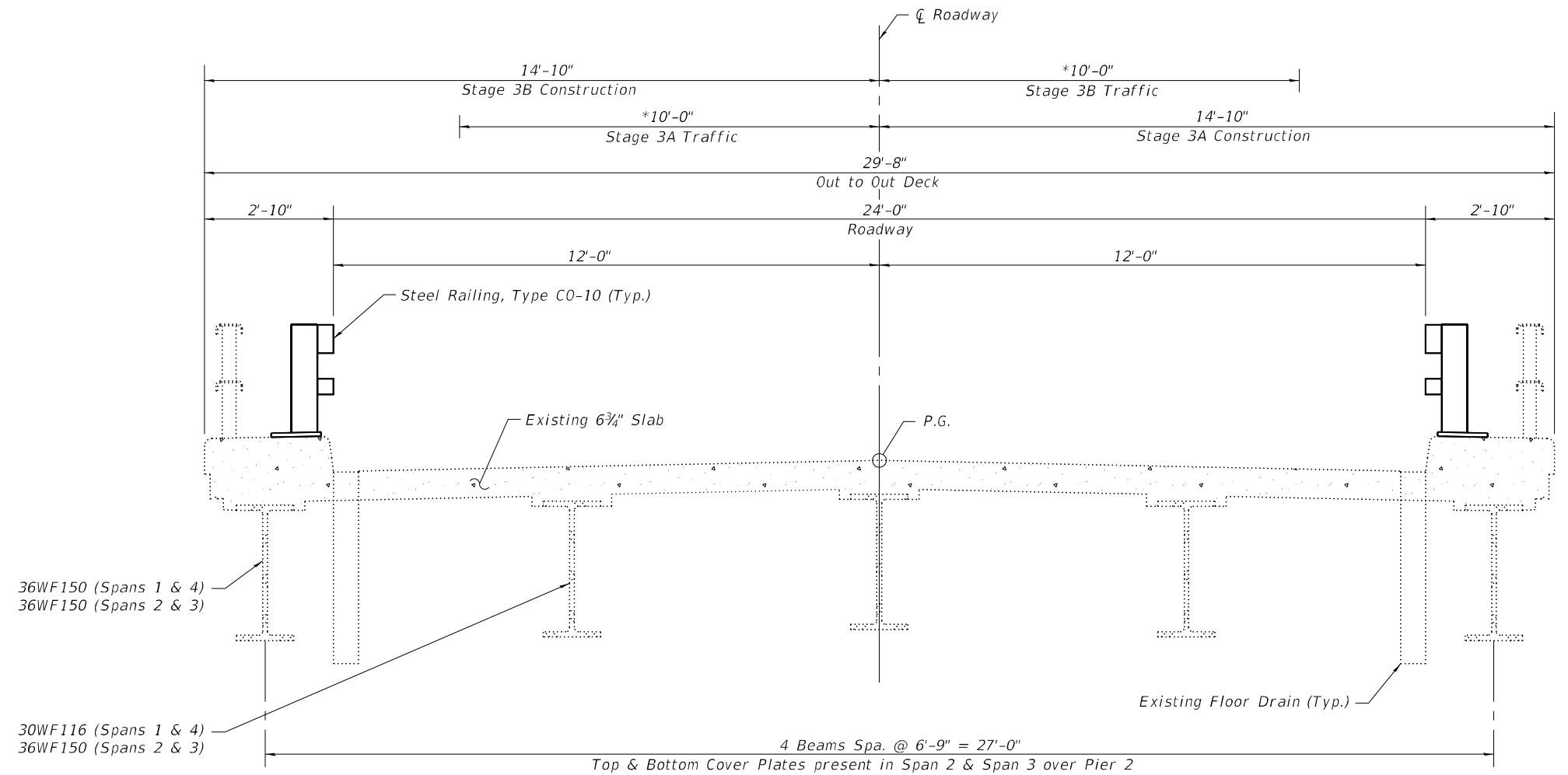
1. No field welding is permitted except as specified in the contract documents.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
4. Concrete Sealer shall be applied to the designated areas of the piers.
5. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
6. All elevations shown on plans are based on 1960 plans and therefore NGVD 29 Datum. Elevations shall be confirmed with survey.

SCOPE OF WORK

1. Install Steel Railing Type C0-10.
2. Construct crashwalls at piers.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Structures	Cu. Yd.	-	11.1	11.1
Concrete Sealer	Sq. Ft.	-	315	315
Reinforcement Bars, Epoxy Coated	Pounds	-	1140	1140
Steel Railing, Type C0-10	Foot	433	-	433



CROSS SECTION
(Looking South)

*Lane Closure, 2L 2W, Day only
for speeds ≥ 45 mph.
Std. 701201-05

MODEL: Default
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PLOT SCALE=		DRAWN -	PRE	REVISED -	
PLOT DATE =	4/6/2022	CHECKED -	REB	REVISED -	

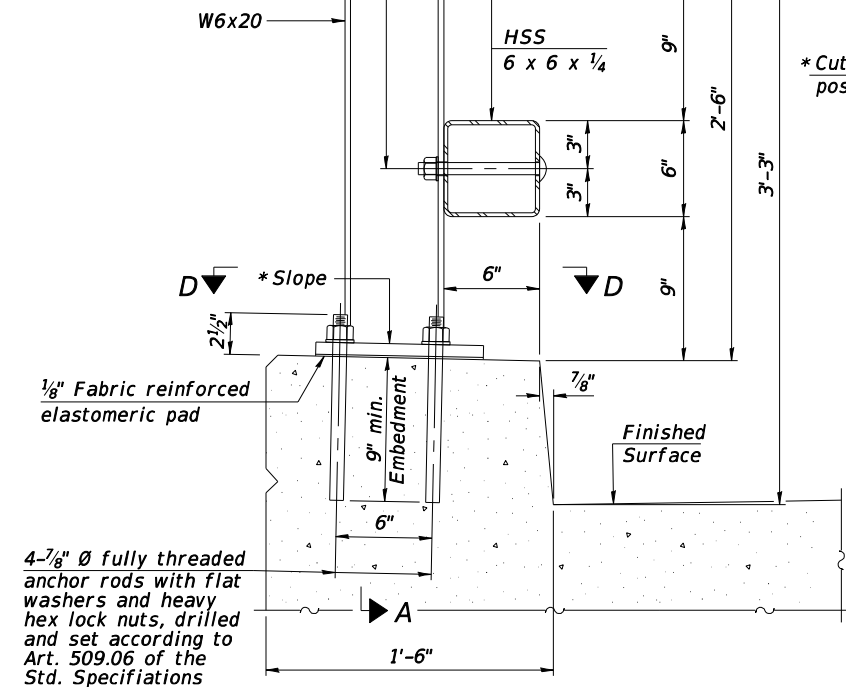
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
STRUCTURE NO. 025-0052**

SHEET 2 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	309
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

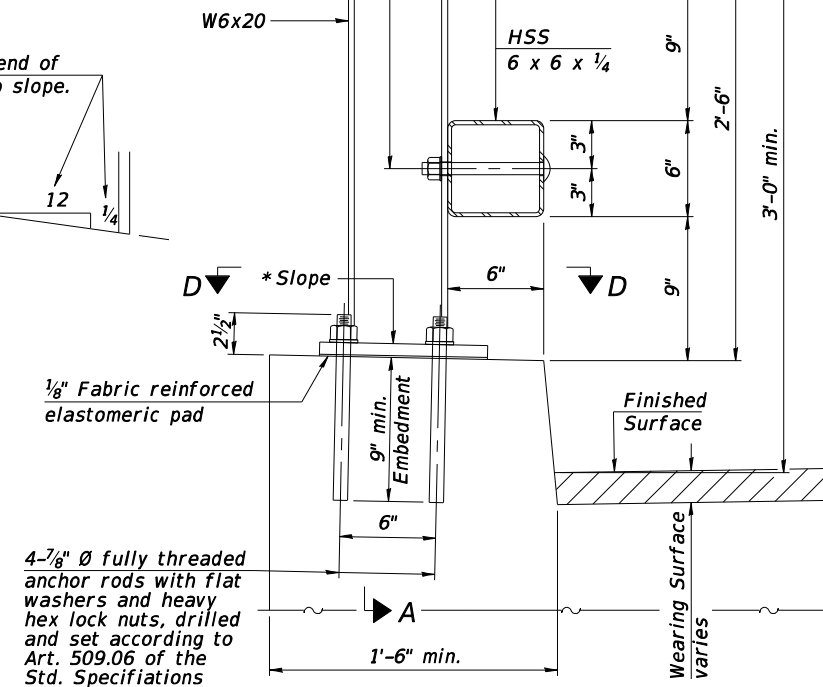
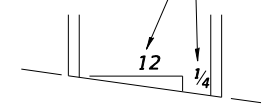
4 - 3/4" Ø x 7 1/2" Round head bolts with heavy hex locknuts and flat washers. Field drill 7/8" Ø holes in HSS tubing using holes in post as template.



SECTION AT RAIL POST
(New construction)

4 - 3/4" Ø x 7 1/2" Round head bolts with heavy hex locknuts and flat washers. Field drill 7/8" Ø holes in HSS tubing using holes in post as template.

*Cut bottom end of post to curb slope.



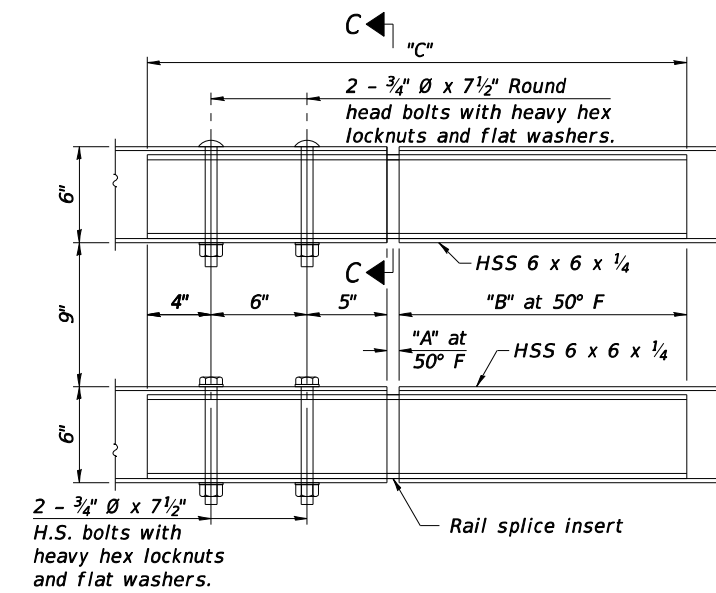
SECTION AT RAIL POST
(Retrofit construction)

1/8" Fabric reinforced elastomeric pad

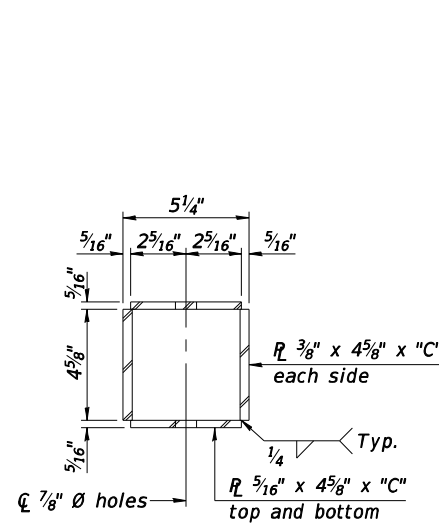
4-7/8" Ø fully threaded anchor rods with flat washers and heavy hex lock nuts, drilled and set according to Art. 509.06 of the Std. Specifications

1/8" Fabric reinforced elastomeric pad

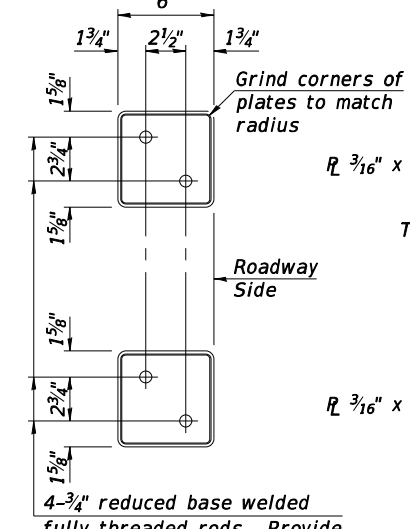
4-7/8" Ø fully threaded anchor rods with flat washers and heavy hex lock nuts, drilled and set according to Art. 509.06 of the Std. Specifications



TOP AND BOTTOM RAIL SPLICE ELEVATION



SECTION C-C



VIEW B-B

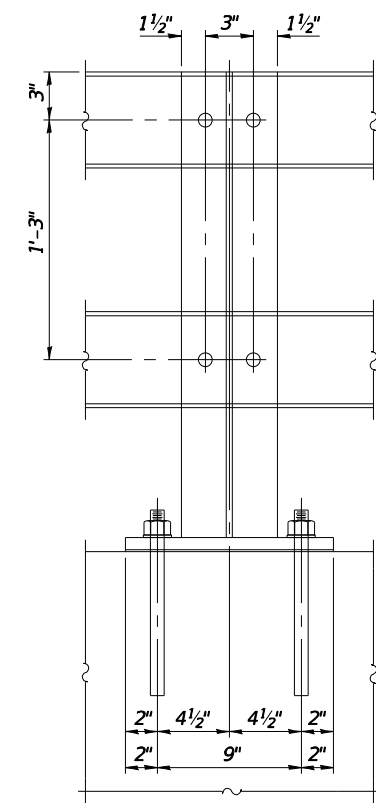
RAILING CRITERIA

MASH 2016 Test Level	4
Railing Weight (plf)	75
Min F'c (psi)	4,500
Post Spacing Range	6'-8" - 10'-0"

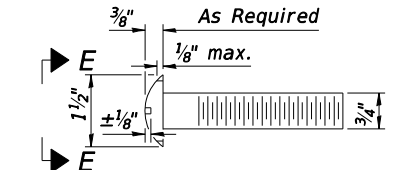
SPLICE DIMENSIONS

Location	T	A	B	C
All locs. not over exp. jts.	0	1/2"	1'-6"	2'-9 1/2"
Over Strip Seal Jt.	≤4"	2 1/2"	1'-8"	3'-1 1/2"
Over Finger or Modular Jt.	≤9 1/2"	5 1/2"	1'-10 3/4"	3'-7 1/4"
Over Finger or Modular Jt.	≤15"	8 1/4"	2'-1 1/2"	4'-0 3/4"

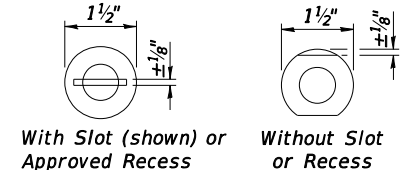
T = 1/2"; total movement along centerline of roadway at expansion joint.



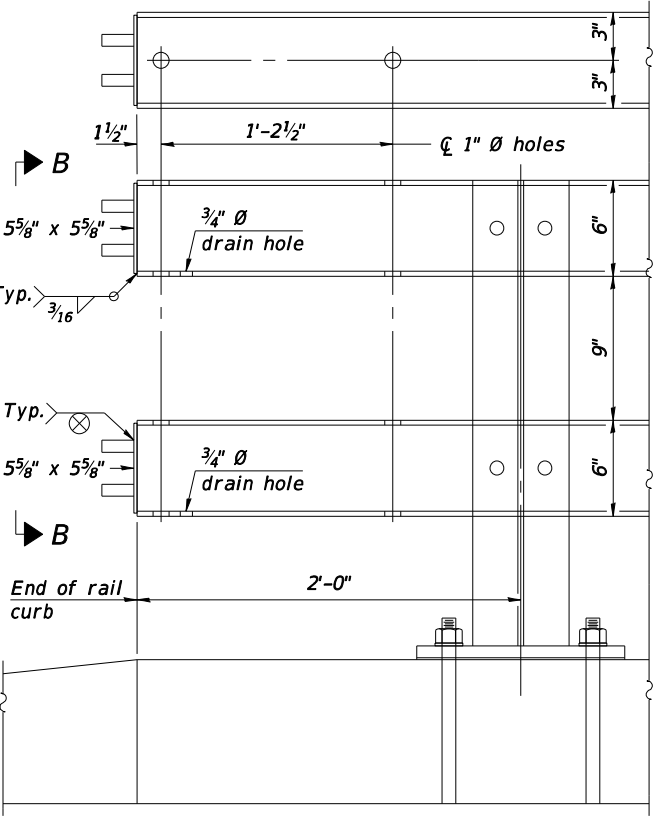
SECTION A-A



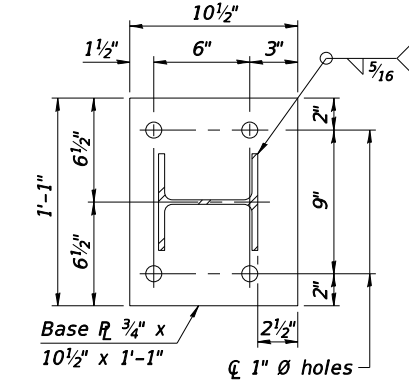
ROUND HEAD BOLT DETAIL



VIEW E-E



END OF RAIL DETAILS



SECTION D-D

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type C0-10	Foot	433

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL RAILING, TYPE C0-10
STRUCTURE NO. 025-0052

SHEET 3 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	310

CONTRACT NO. 74599

ILLINOIS FED. AID PROJECT

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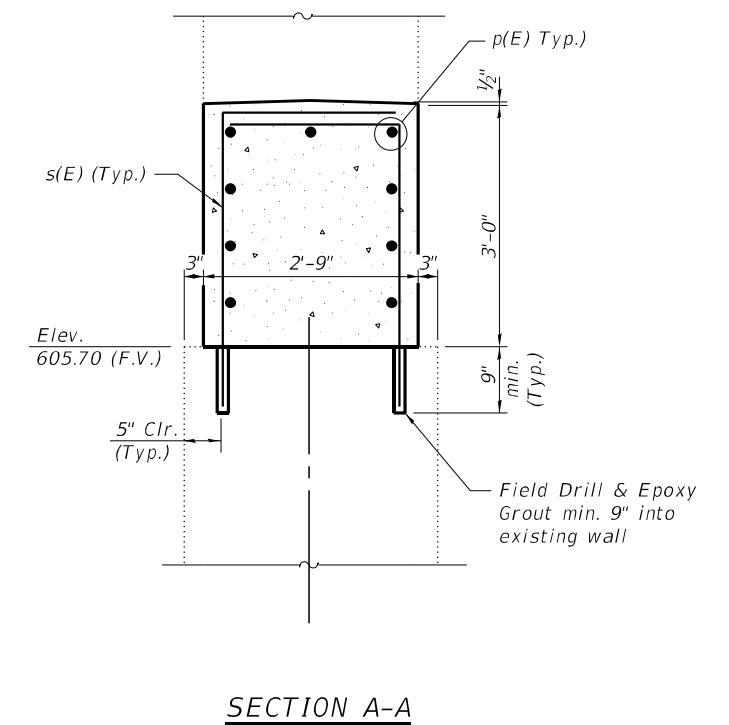
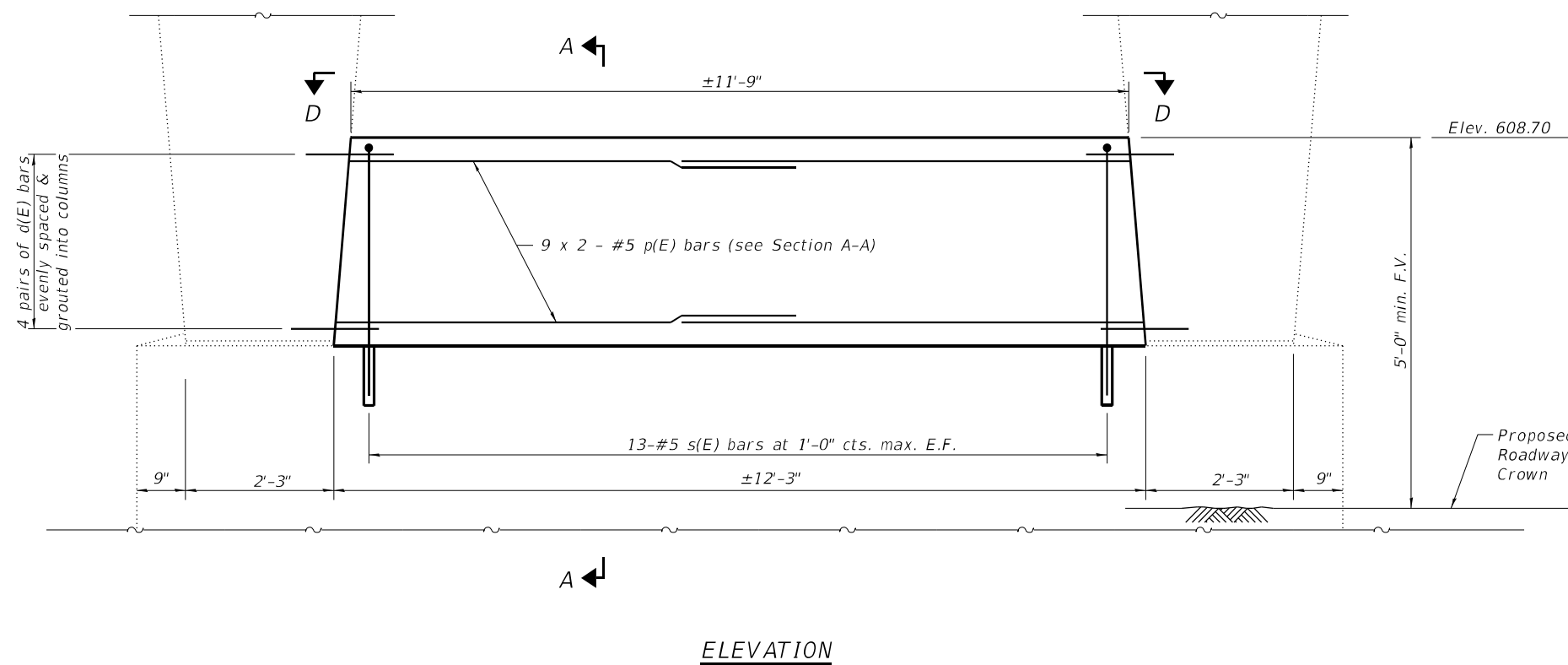
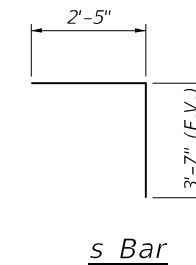
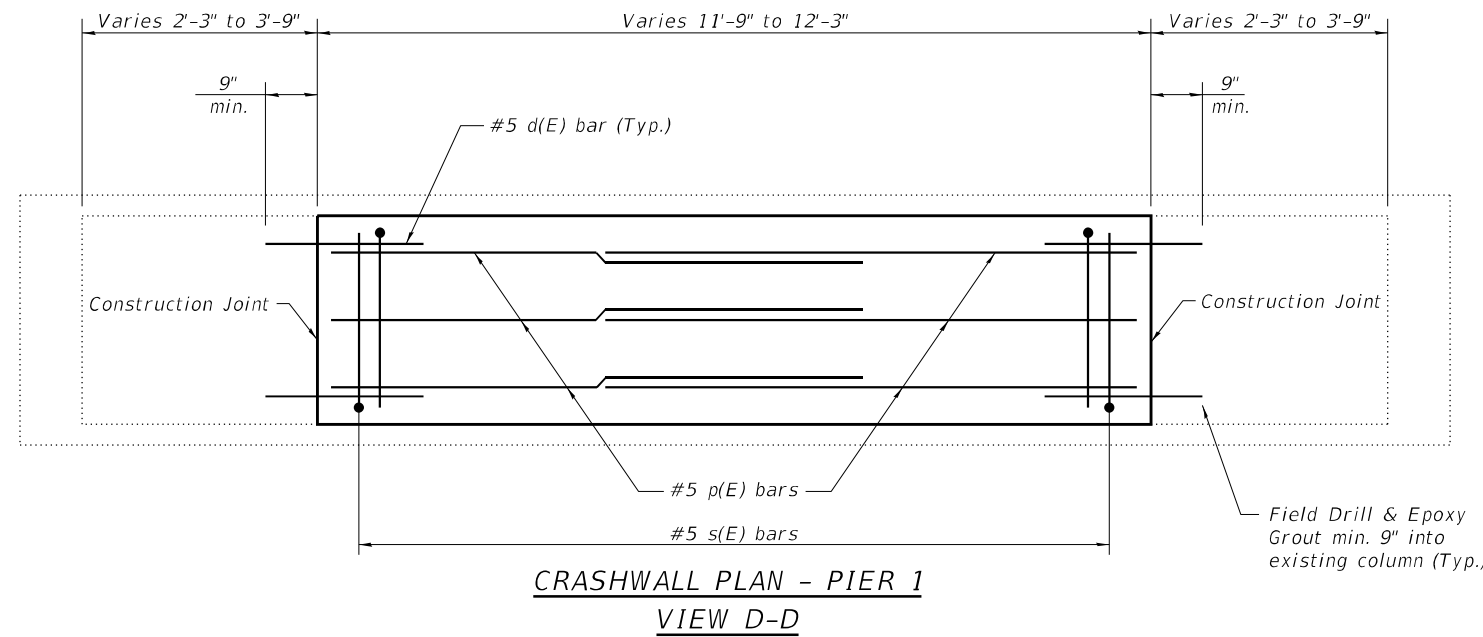
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PLOT SCALE =		CHECKED -	JMH	REVISED -	
PLOT DATE =	4/6/2022	DRAWN -	PRE	REVISED -	
		CHECKED -	REB	REVISED -	

NOTES

1. Bars shall be drilled and grouted according to Section 584 of the Standard Specifications.
2. Concrete Sealer shall be applied only to exposed surface of the new concrete on Pier 1.
3. Bars indicated thus, 9 x 2-#5 bars indicates 9 lines of bars with 2 lengths per line.
4. Field verify that proposed crashwall extension extends a minimum of 5'-0" above the proposed profile grade.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	16	#5	3'-9"	—
p(E)	18	#5	7'-9"	—
s(E)	26	#5	6'-0"	┌
Concrete Structures	Cu. Yd.	3.7		
Concrete Sealer	Sq. Ft.	105		
Reinforcement Bars, Epoxy Coated	Pound	380		



MODEL: Default
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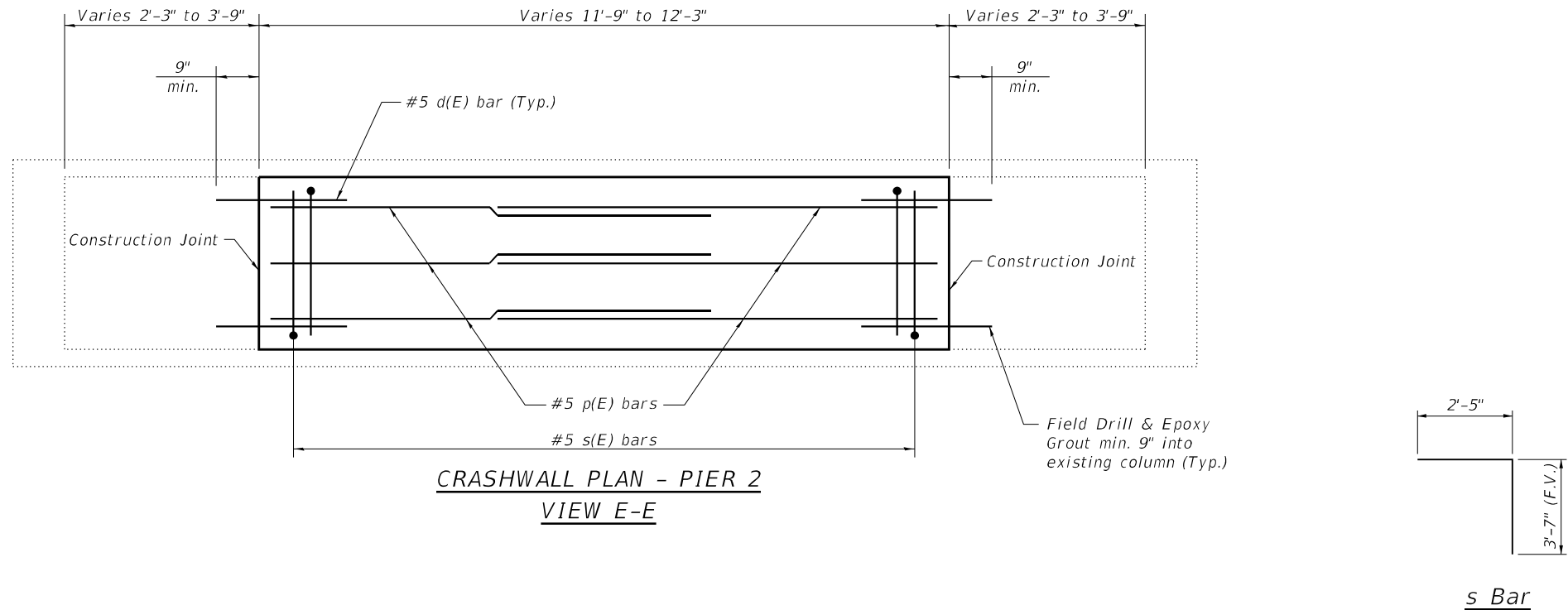
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PLOT DATE =	4/6/2022	CHECKED -	REB	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIER 1 DETAILS
STRUCTURE NO. 025-0052**

SHEET 4 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	311
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

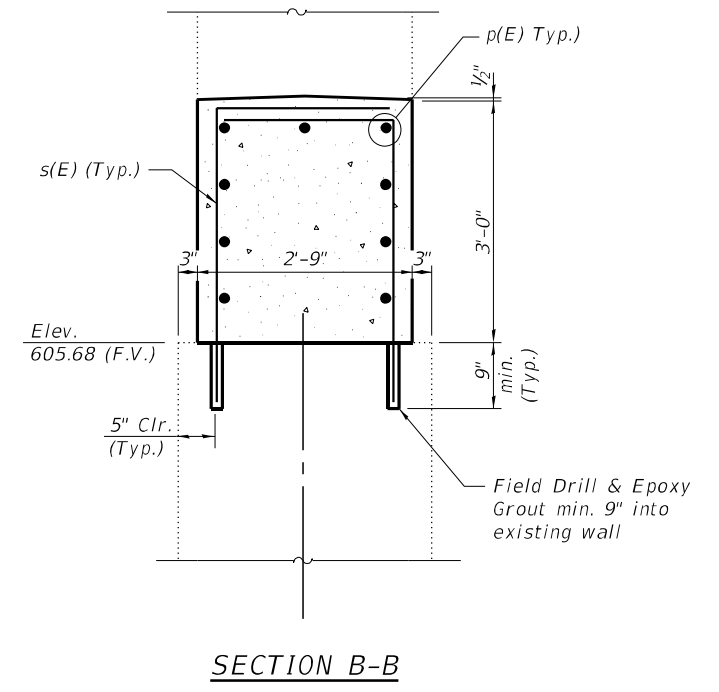
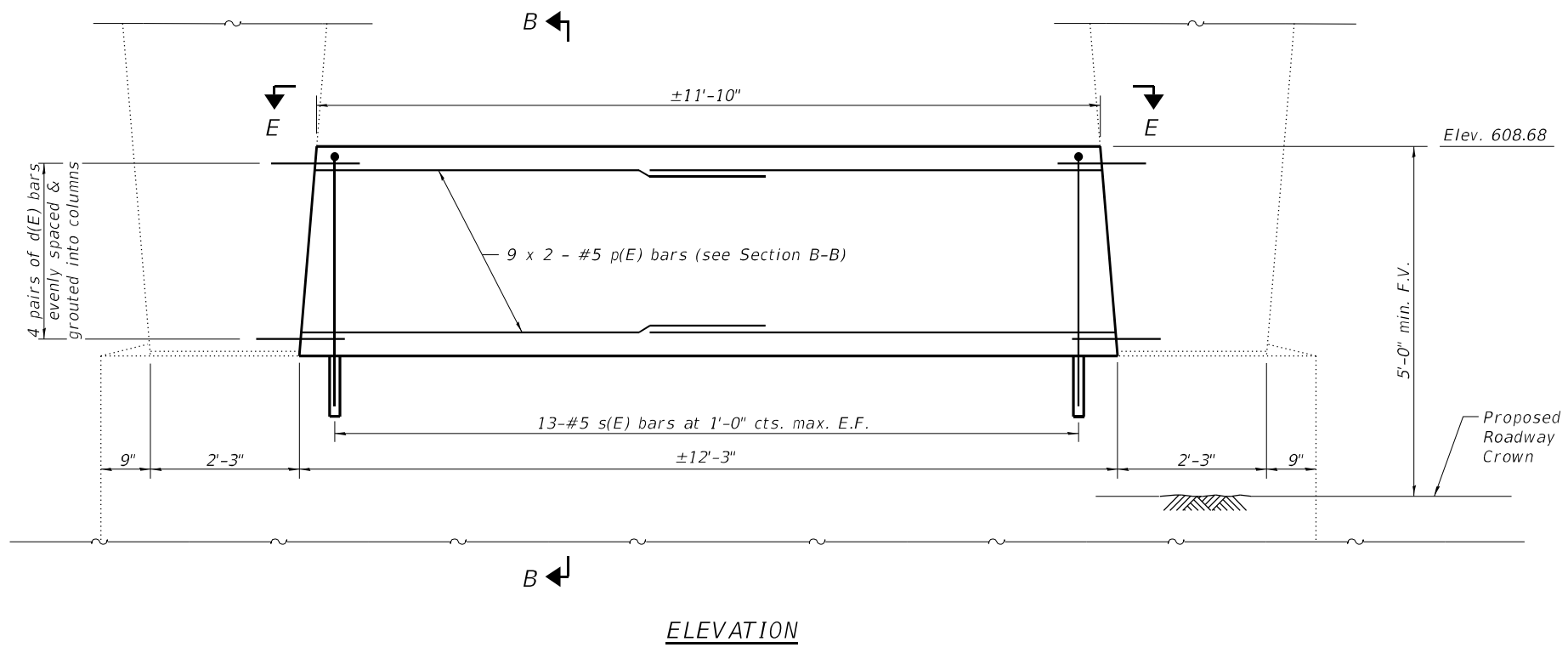


NOTES

1. Bars shall be drilled and grouted according to Section 584 of the Standard Specifications.
2. Concrete Sealer shall be applied only to exposed surface of the new concrete on Pier 2.
3. Bars indicated thus, 9 x 2-#5 bars indicates 9 lines of bars with 2 lengths per line.
4. Field verify that proposed crashwall extension extends a minimum of 5'-0" above the proposed profile grade.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	16	#5	3'-9"	—
p(E)	18	#5	7'-9"	—
s(E)	26	#5	6'-0"	—
Concrete Structures	Cu. Yd.	3.7		
Concrete Sealer	Sq. Ft.	105		
Reinforcement Bars, Epoxy Coated	Pound	380		



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PLOT DATE =	4/6/2022	CHECKED -	REB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 2 DETAILS
STRUCTURE NO. 025-0052
 SHEET 5 OF 6 SHEETS

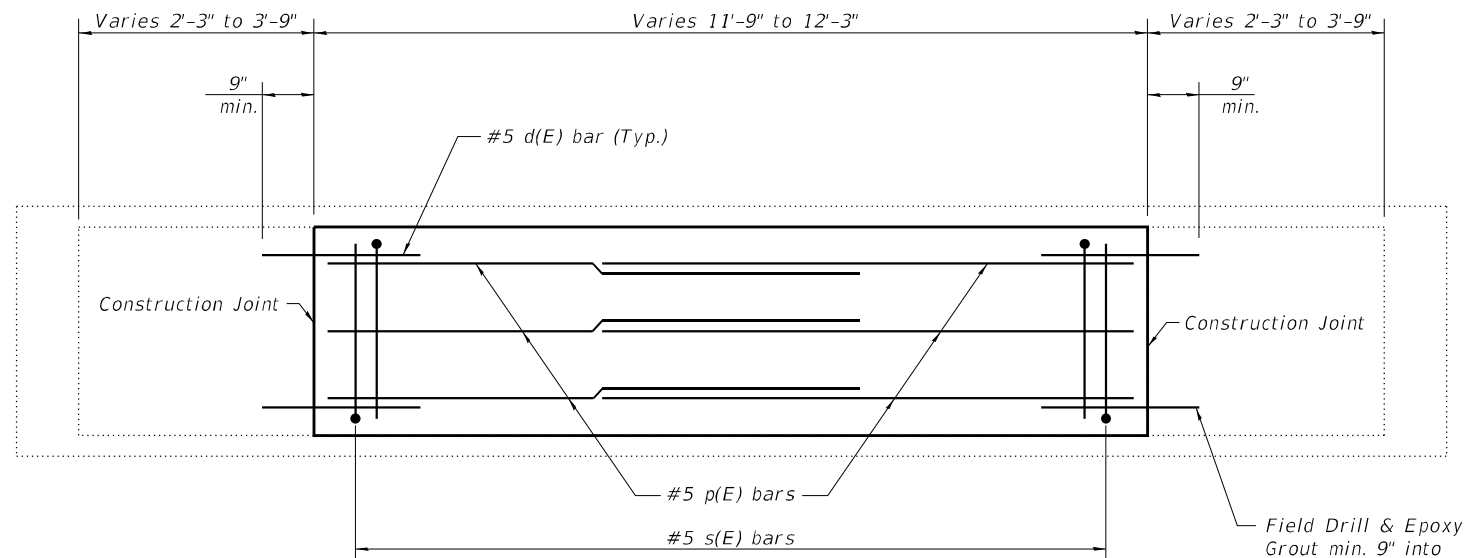
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	312
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

NOTES

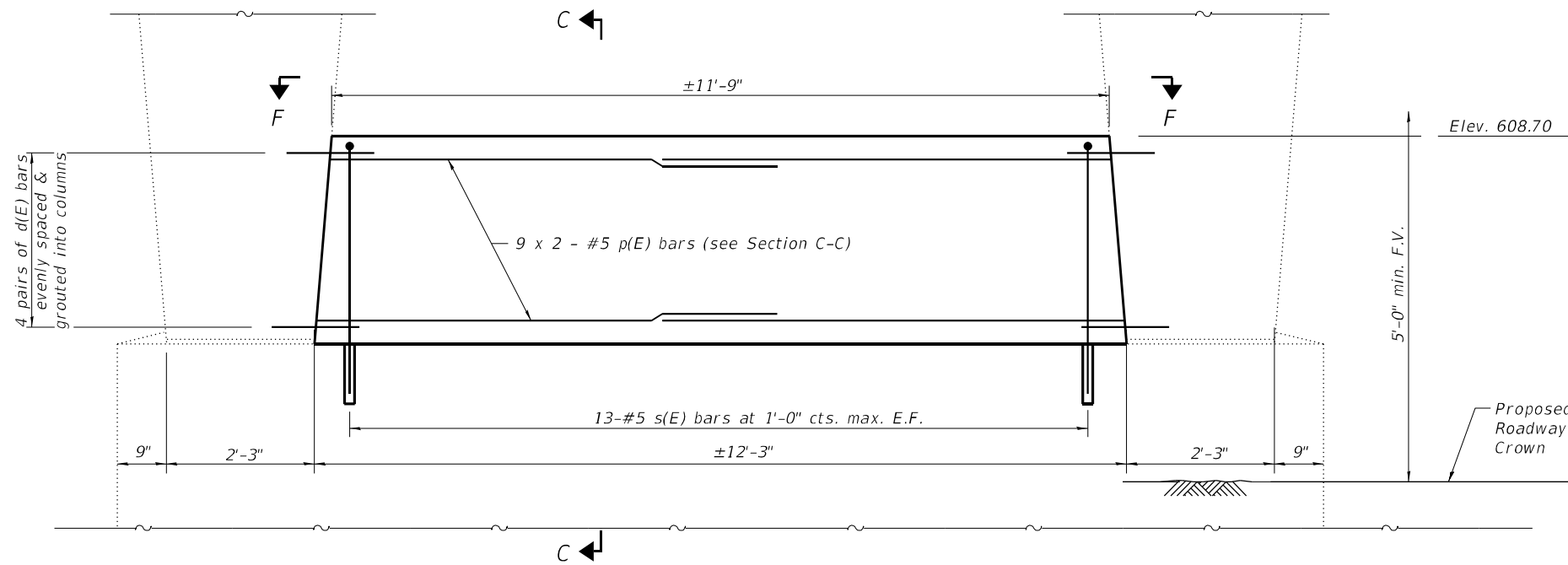
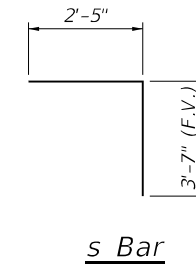
1. Bars shall be drilled and grouted according to Section 584 of the Standard Specifications.
2. Concrete Sealer shall be applied only to exposed surface of the new concrete on Pier 3.
3. Bars indicated thus, 9 x 2-#5 bars indicates 9 lines of bars with 2 lengths per line.
4. Field verify that proposed crashwall extension extends a minimum of 5'-0" above the proposed profile grade.

BILL OF MATERIAL

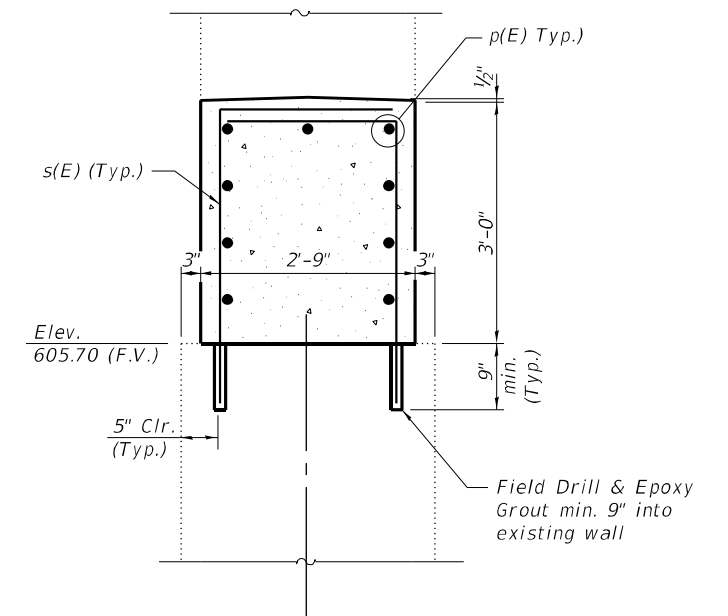
Bar	No.	Size	Length	Shape
d(E)	16	#5	3'-9"	—
p(E)	18	#5	7'-9"	—
s(E)	26	#5	6'-0"	┌
Concrete Structures	Cu. Yd.	3.7		
Concrete Sealer	Sq. Ft.	105		
Reinforcement Bars, Epoxy Coated	Pound	380		



**CRASHWALL PLAN - PIER 3
VIEW F-F**



ELEVATION



SECTION C-C

MODEL: Default
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		CHECKED -	JMH	REVISED -	
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PLOT DATE =	4/6/2022	CHECKED -	REB	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIER 3 DETAILS
STRUCTURE NO. 025-0052**

SHEET 6 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	313
CONTRACT NO. 74599				

ILLINOIS FED. AID PROJECT

Existing Structure: The existing structure is a ±285' long, precast reinforced concrete pipe that has a 72" inner diameter. There are no existing structure plans available.

GENERAL NOTES

Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of work, however, the Contractor will be paid for the quantity furnished at the unit price for the work.
Hydraulic information for the existing culvert is not available and a new hydraulic study was not performed. No impacts to the existing hydraulics are expected with the proposed scope of work.

DESIGN SPECIFICATIONS

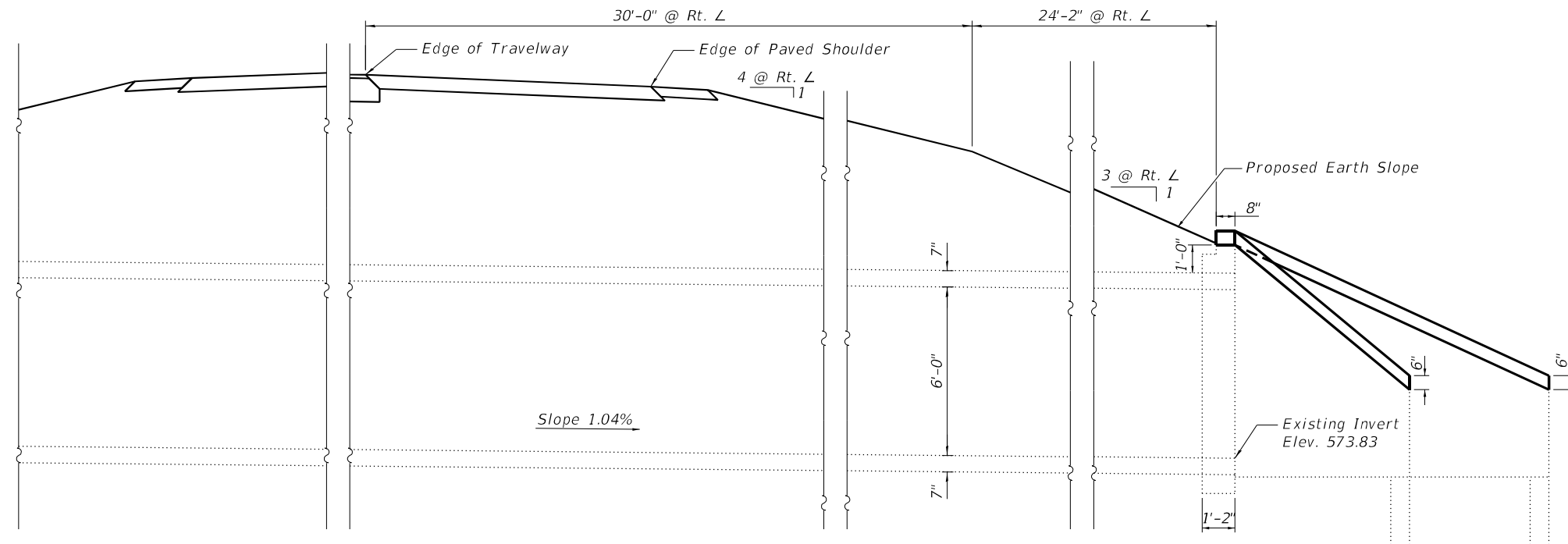
2002 AASHTO Standard Specifications for Highway Bridges

LIVE LOADING

HS20-44 and Alternate Military vehicle loading.
Allow 50#/sq. ft. for future wearing surface on extension.

DESIGN STRESSES

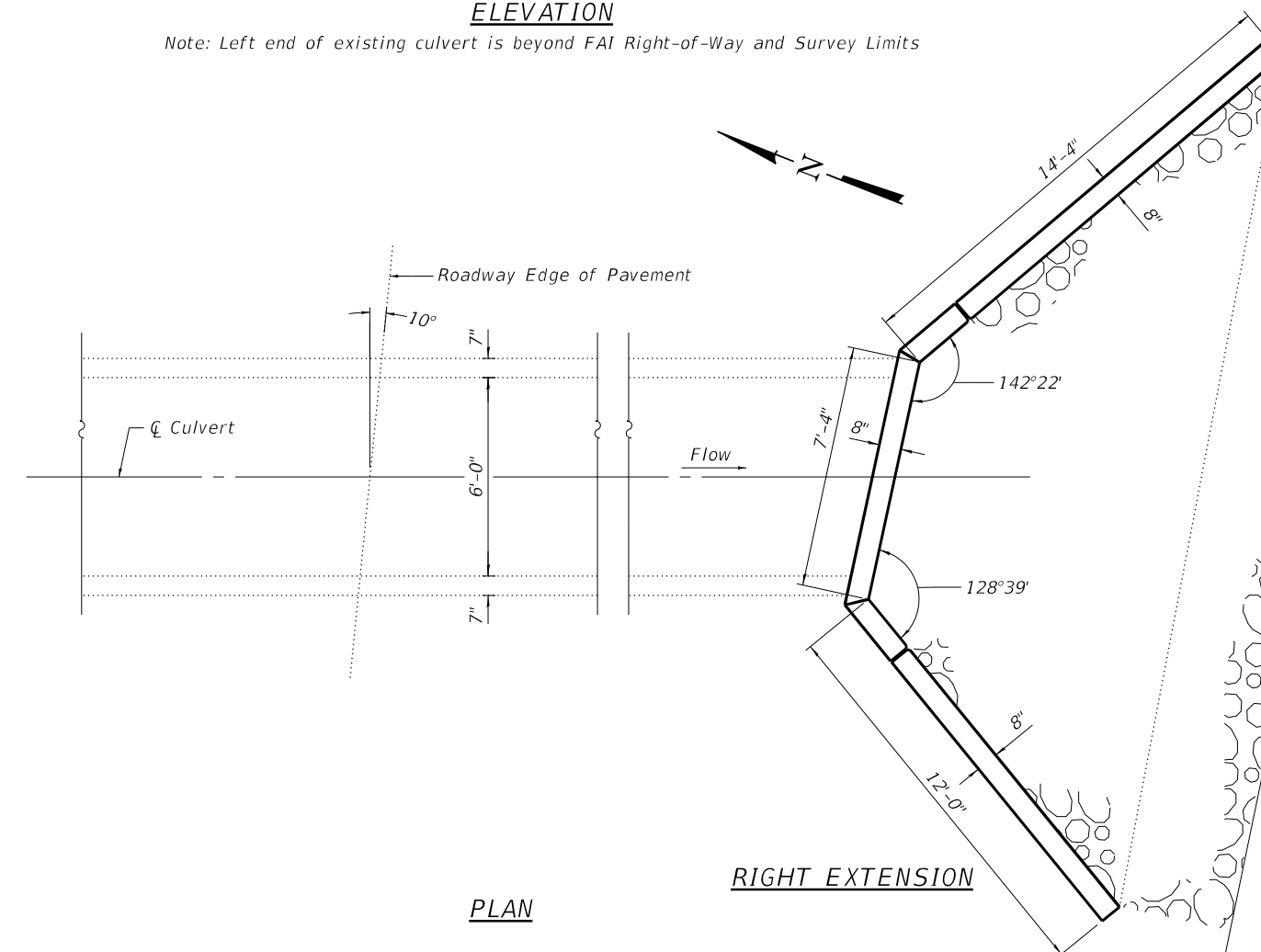
NEW CONSTRUCTION	EXISTING CONSTRUCTION
$f'_c = 3,500 \text{ psi}$	$f'_c = 3,000 \text{ psi}$
$f_y = 60,000 \text{ psi (Reinforcement)}$	$f_y = 40,000 \text{ psi (Reinforcement)}$



ELEVATION

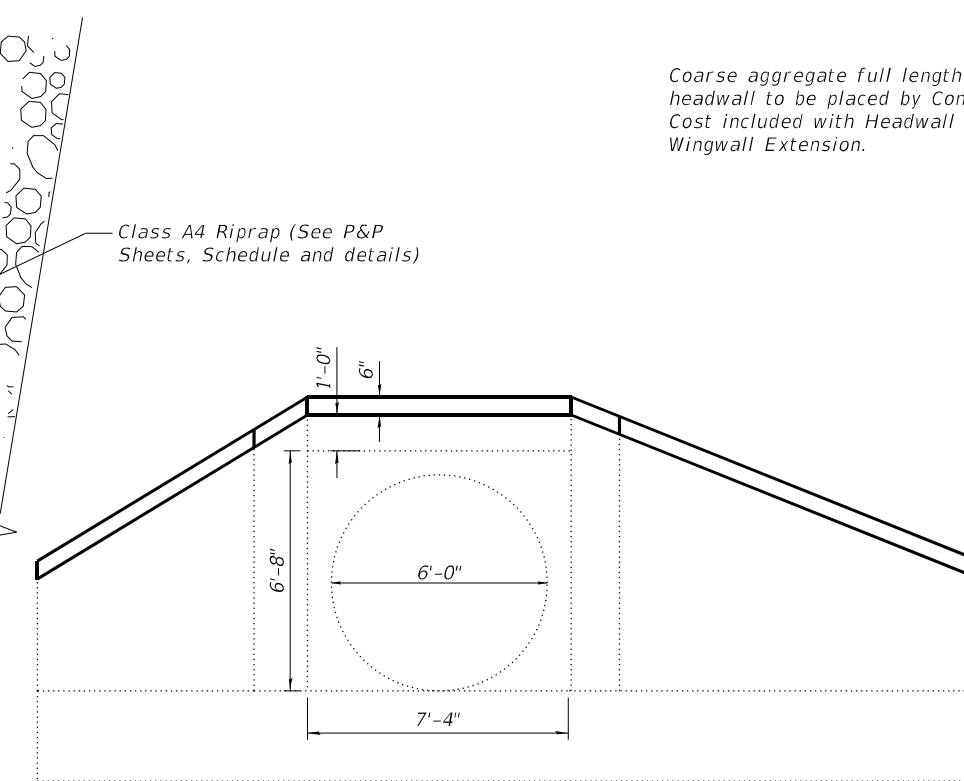
Note: Left end of existing culvert is beyond FAI Right-of-Way and Survey Limits

RIGHT EXTENSION



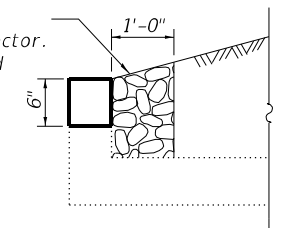
PLAN

RIGHT EXTENSION

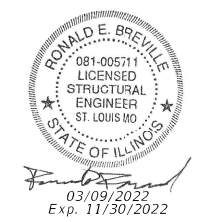


PIPE CULVERT END ELEVATION

Coarse aggregate full length of headwall to be placed by Contractor. Cost included with Headwall and Wingwall Extension.



HEADWALL DETAIL



GENERAL PLAN AND ELEVATION
FAI 70 OVER STREAM
STATION 2429+80.00
STRUCTURE NO. 025-8814
EFFINGHAM COUNTY

MODEL: Default
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		CHECKED -	JMH	REVISED -	
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PLOT DATE =	3/14/2022	CHECKED -	REB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

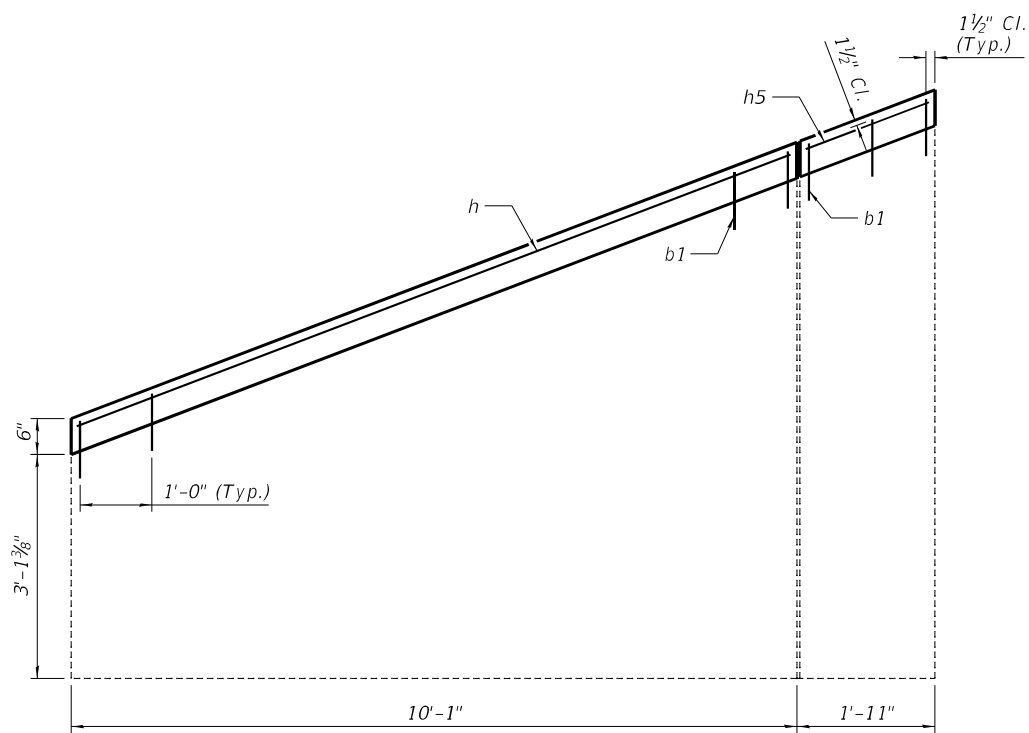
GENERAL PLAN & ELEVATION
STRUCTURE NO. 025-8814

SHEET 1 OF 2 SHEETS

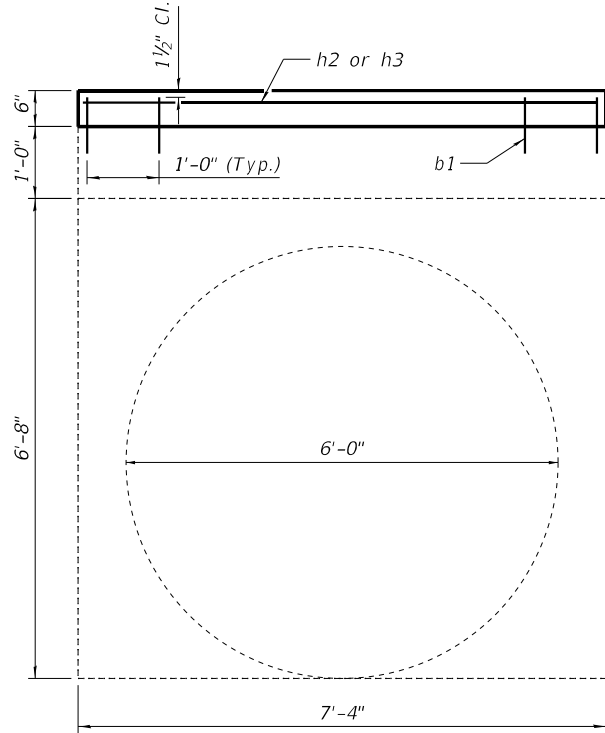
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	314
CONTRACT NO. 74599				

ILLINOIS FED. AID PROJECT

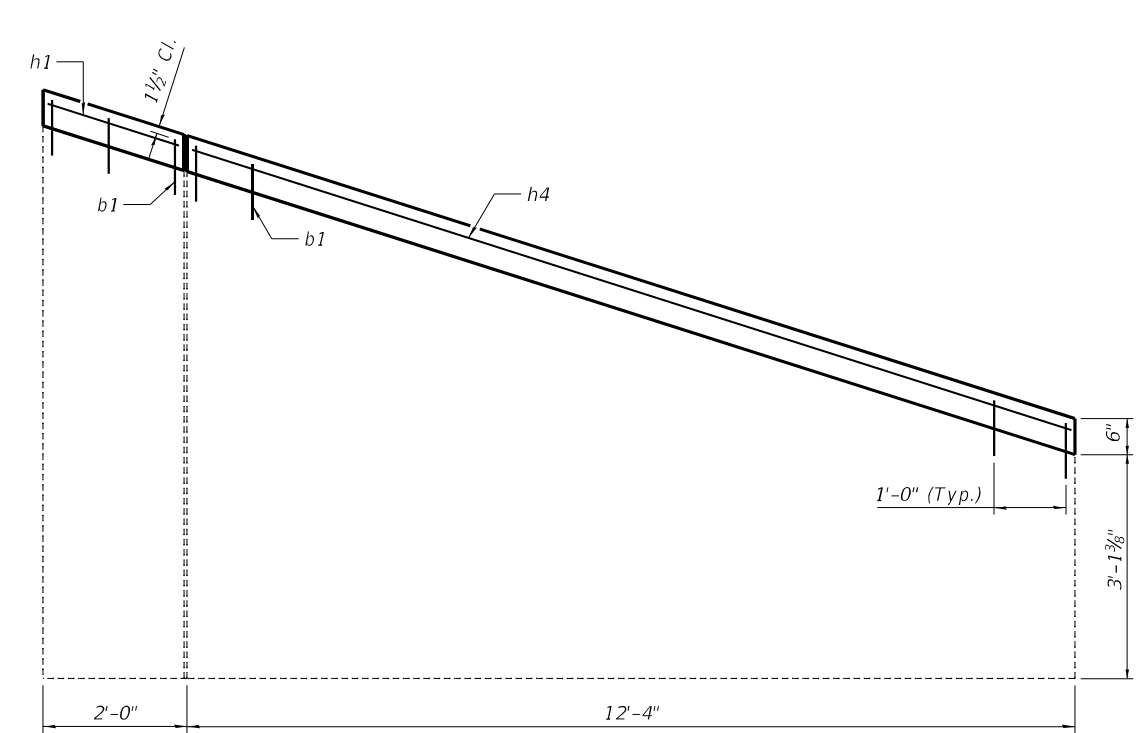
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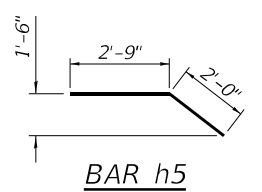
WEST WINGWALL
 (Dimensions measured along the wingwall)



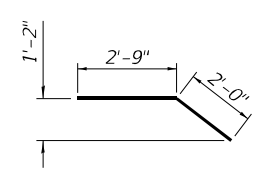
**OUTLET ELEVATION
 SHOWING REINFORCEMENT**



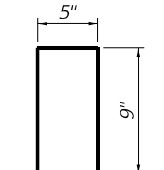
EAST WINGWALL
 (Dimensions measured along the wingwall)



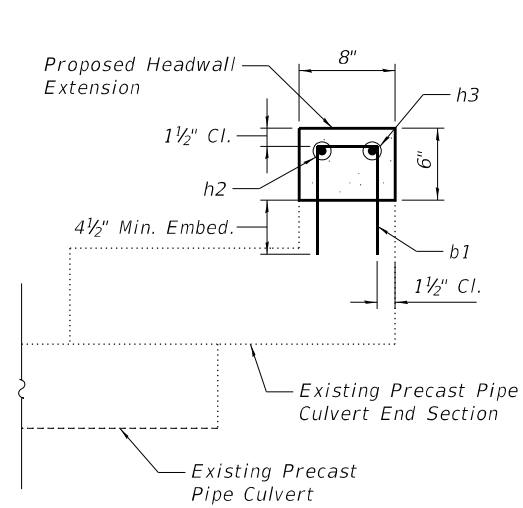
BAR h5



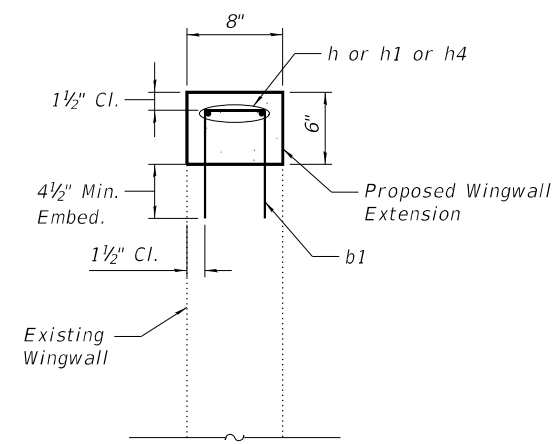
BAR h1



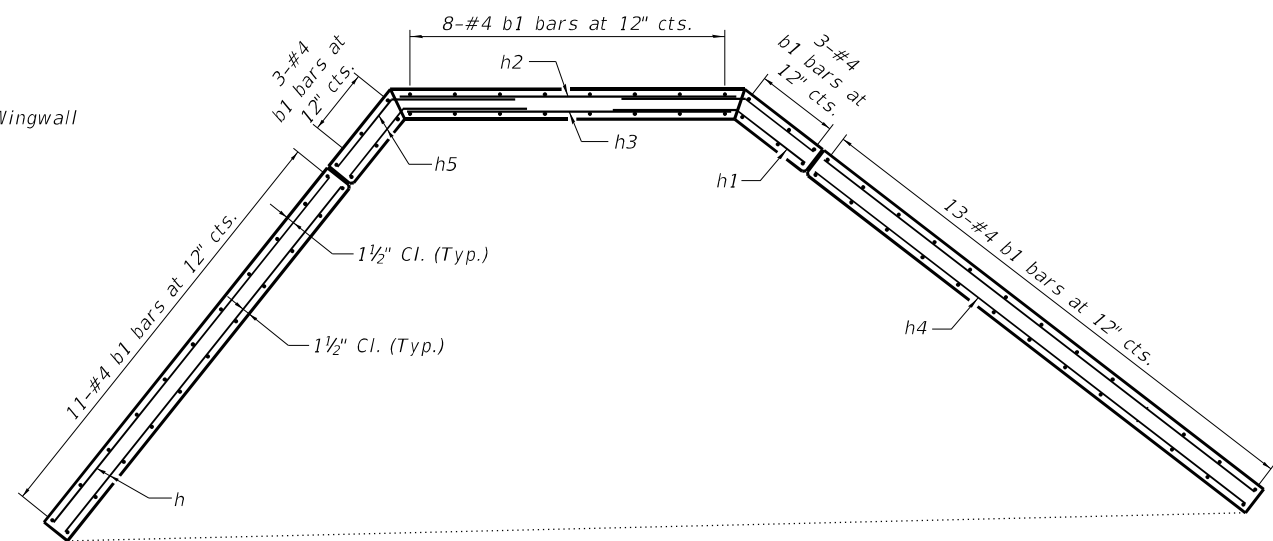
BAR b1



**SECTION THRU
 HEADWALL**



**SECTION THRU
 WINGWALL**



PLAN OF EXTENSION

TOTAL BILL OF MATERIAL

Bar	No.	Size	Length	Shape
b1	38	#4	1'-11"	┌
h	2	#4	10'-5"	
h1	2	#4	4'-9"	└
h2	1	#6	7'-6"	
h3	1	#6	7'-2"	
h4	2	#4	12'-9"	
h5	2	#4	4'-9"	└
Reinforcement Bars			Pound	118
Concrete Structures			Cu. Yd.	0.5

Note: Bars shall be drilled and grouted according to Section 584 of Standard Specifications



USER NAME =	PEberhart	DESIGNED -	SCC	REVISED -	
		CHECKED -	JMH	REVISED -	
PLOT SCALE =		DRAWN -	SCC	REVISED -	
PLOT DATE =	3/14/2022	CHECKED -	REB	REVISED -	

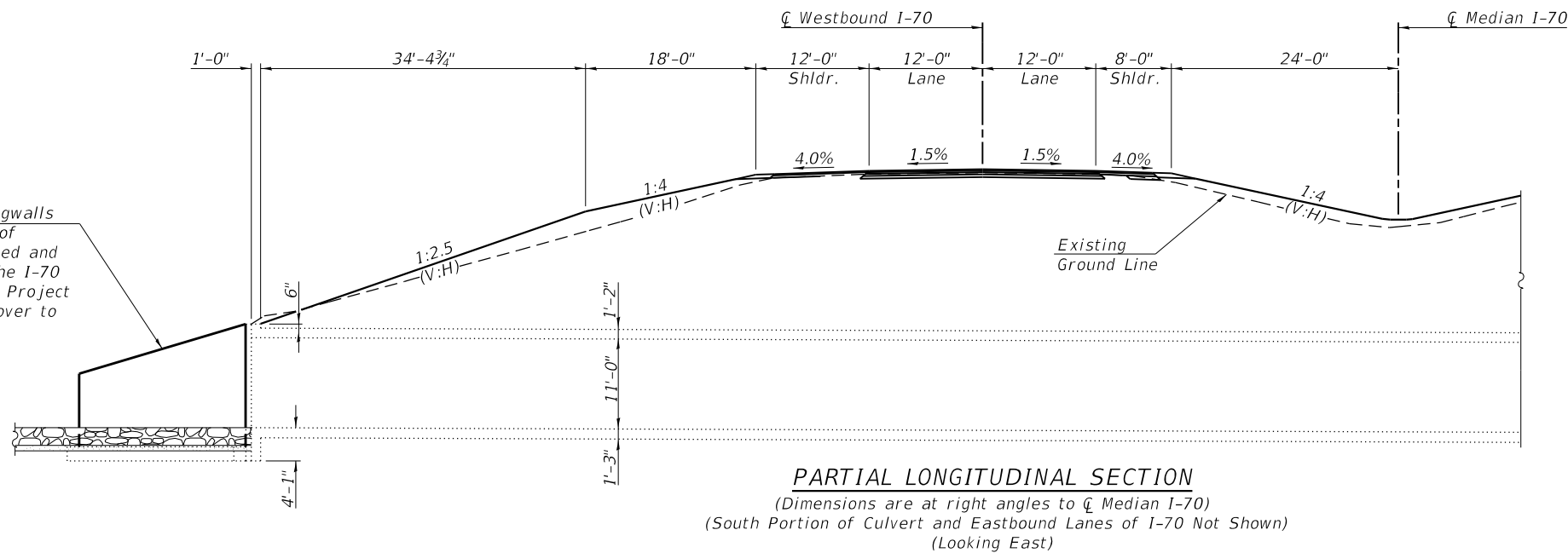
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**REINFORCEMENT DETAILS
 STRUCTURE NO. 025-8814**

SHEET 2 OF 2 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	315
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

Existing stem wall of wingwalls located at the north end of SN 025-2006 to be removed and replaced in Stage II of the I-70 Rubblization Improvement Project after traffic is crossed-over to the eastbound lanes.



PARTIAL LONGITUDINAL SECTION

(Dimensions are at right angles to ζ Median I-70)
(South Portion of Culvert and Eastbound Lanes of I-70 Not Shown)
(Looking East)

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
The Contractor shall take care not to damage the wingwall footings and box culvert during excavation, the removal of existing wingwall stems, and the erection of temporary soil retention systems.
Existing reinforcement bars extending into the removal area shall be cleaned, straightened 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 included with Concrete Removal.

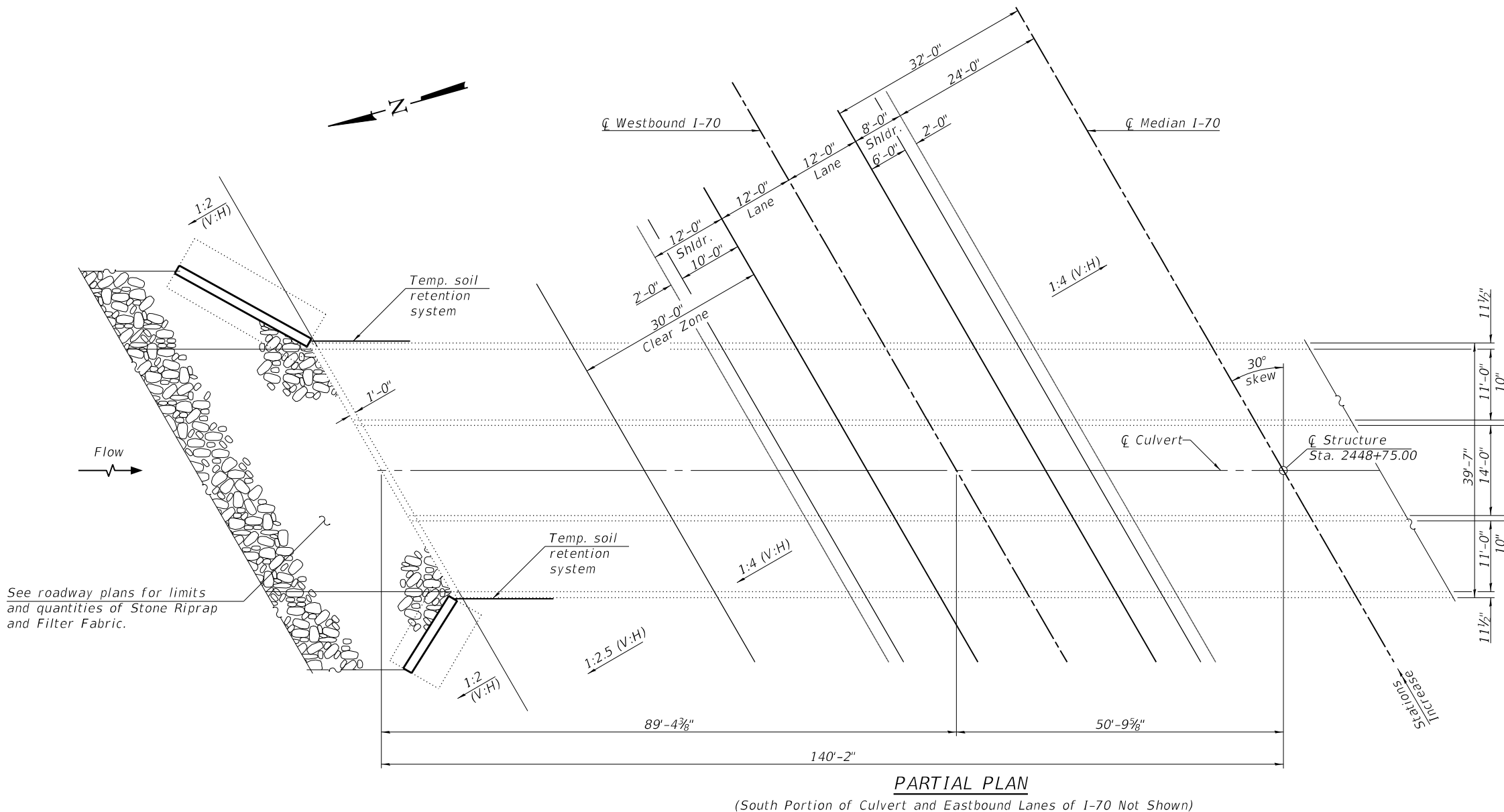
DESIGN STRESSES

FIELD UNITS (New Construction)

f'_c = 3,500 psi
 f_y = 60,000 psi (Reinforcement)

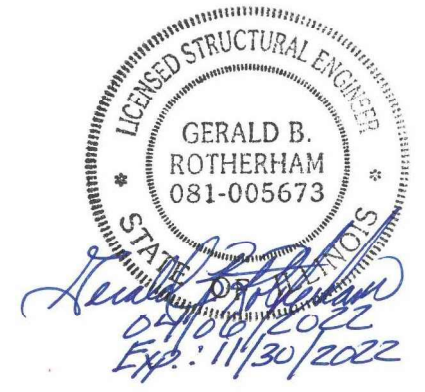
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	16.6
Reinforcement Bars	Pound	1720
Reinforcement Bars, Epoxy Coated	Pound	2230
Temporary Soil Retention System	Sq. Ft.	29
Concrete Box Culvert	Cu. Yd.	22.2



PARTIAL PLAN

(South Portion of Culvert and Eastbound Lanes of I-70 Not Shown)



GENERAL PLAN AND ELEVATION
F.A.I. 70 OVER SECOND SALT CREEK
STATION 2448+75.00
STRUCTURE NO. 025-2006
EFFINGHAM COUNTY

MODEL: SMODEL\NAMES
FILE NAME: SFILES

BACON | FARMER | WORKMAN
ENGINEERING & TESTING, INC.
403 NORTH COURT STREET
MARION, ILLINOIS 62959
PHONE - 618.967.9190

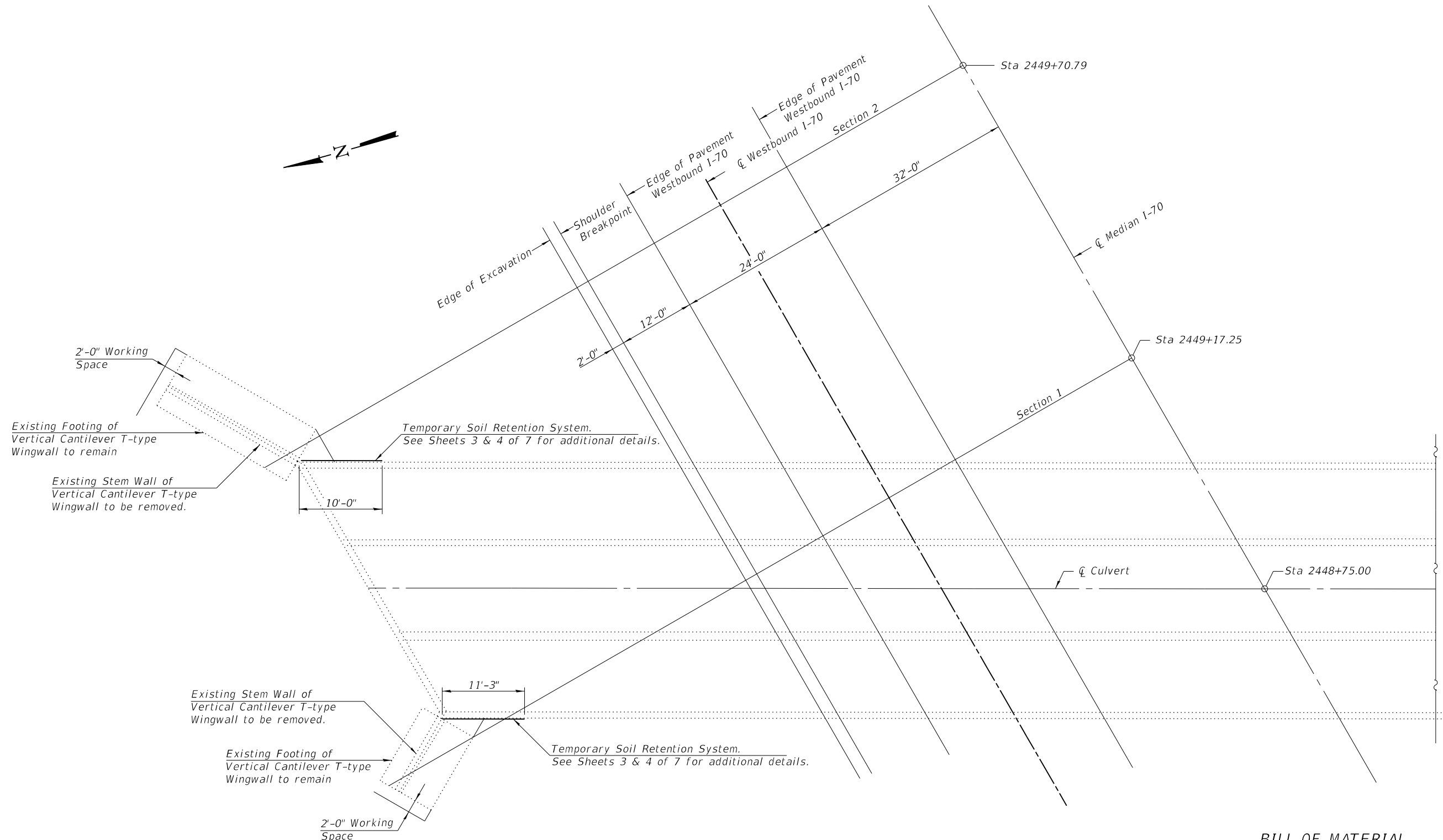
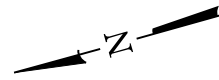
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT REPAIR - GENERAL PLAN AND ELEVATION
STRUCTURE NO. 025-2006

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+1.25-5)R	EFFINGHAM	790	316
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

SDATES \$TIMES



PARTIAL PLAN
(South Portion of Culvert and Eastbound Lanes of I-70 Not Shown)

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Temporary Soil Retention System	Sq. Ft.	29

(Sheet 1 of 3)

MODEL: SMODELNAMES
FILE NAME: SFILES

BACON | FARMER | WORKMAN
ENGINEERING & TESTING, INC.
403 NORTH COURT STREET
MARIETTA, IL 62450
PHONE: 618/667-1150

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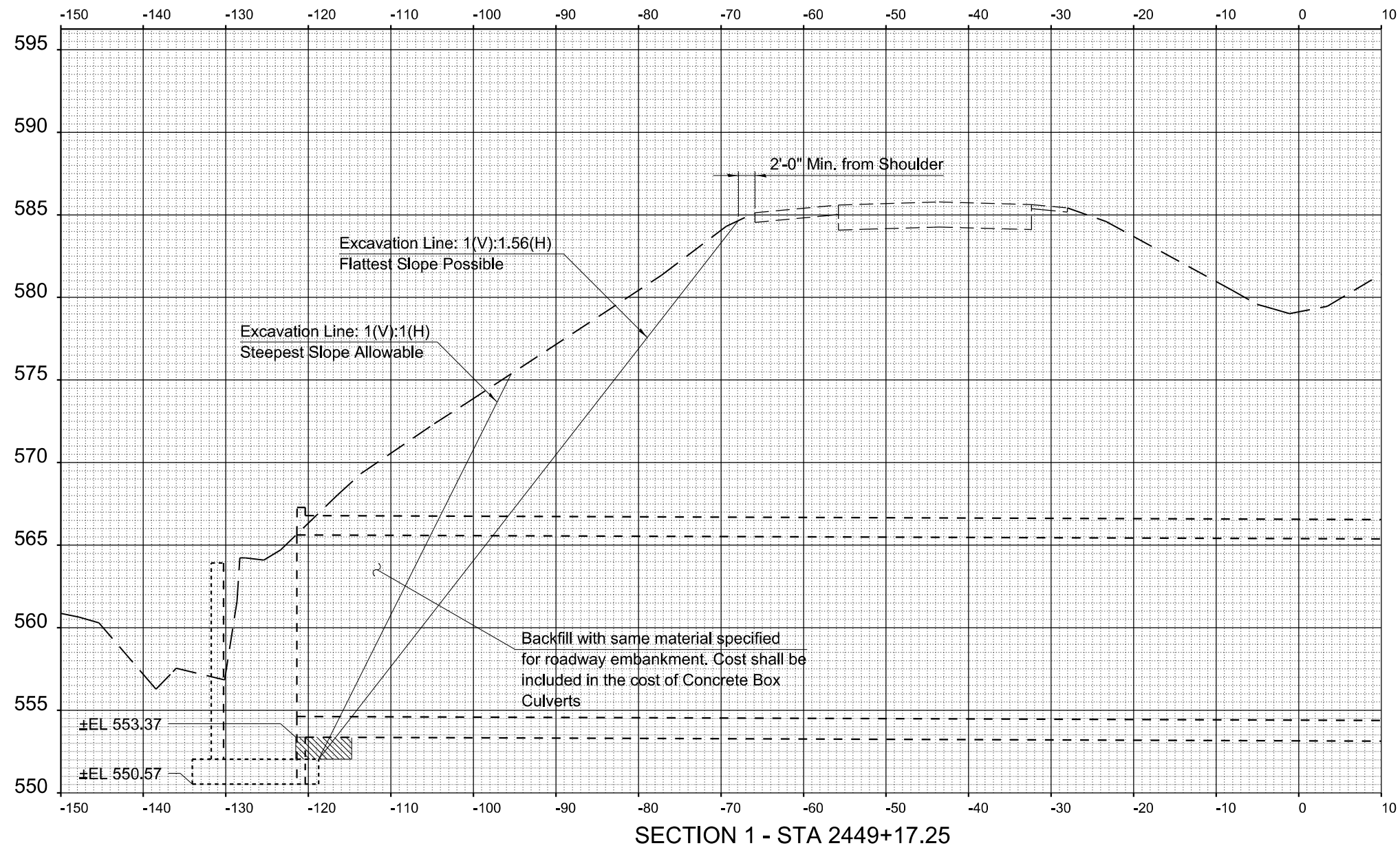
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


CULVERT REPAIR - TEMPORARY SOIL RETENTION SYSTEM
STRUCTURE NO. 025-2006

SHEET 2 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+1.25-5)R	EFFINGHAM	790	317
CONTRACT NO. 74599				
		ILLINOIS	FED. AID PROJECT	

SDATES \$TIMES



 — Estimated surface area to be retained by temp. soil retention system

(Sheet 2 of 3)

MODEL: SMODELNAMES
FILE NAME: SFILES

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ENGINEERING & TESTING, INC.
403 NORTH COURT STREET
MARIETTA, IL 62450
PHONE: 618/667-4190

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PLOT DATE	CHECKED - FAM	REVISED -

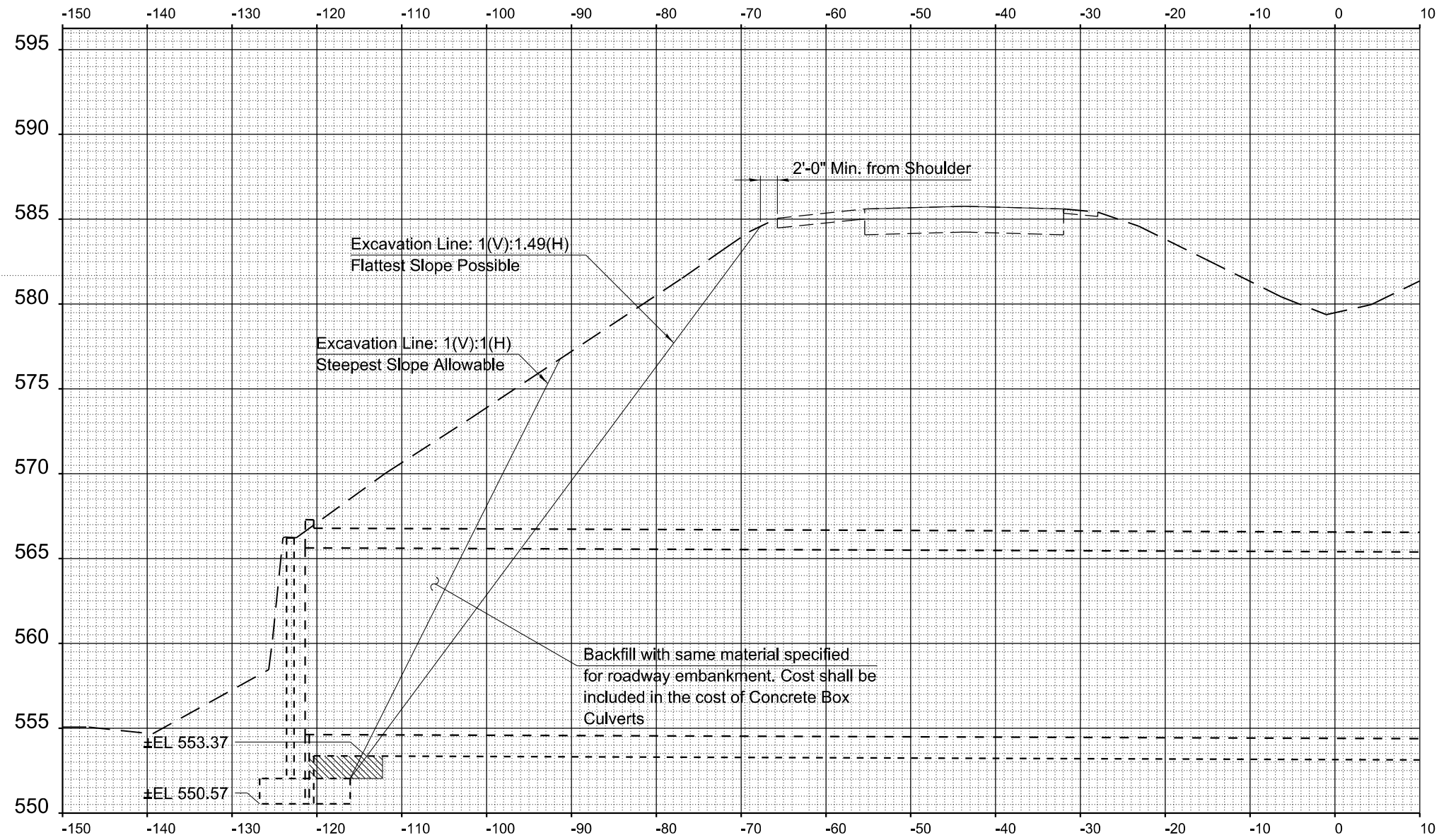
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT REPAIR - TEMPORARY SOIL RETENTION SYSTEM
STRUCTURE NO. 025-2006


SHEET 3 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+1.25-5)R	EFFINGHAM	790	318
CONTRACT NO. 74599				
ILLINOIS		FED. AID PROJECT		

SDATES \$TIMES



SECTION 2 - STA 2449+70.79

 — Estimated surface area to be retained by temp. soil retention system

(Sheet 3 of 3)

MODEL: SMODELNAMES
FILE NAME: SFILES

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ENGINEERING & TESTING, INC.
403 NORTH COURT STREET
MARIETTA, IL, U.S.A. 62429
PHONE: 618/667-4196

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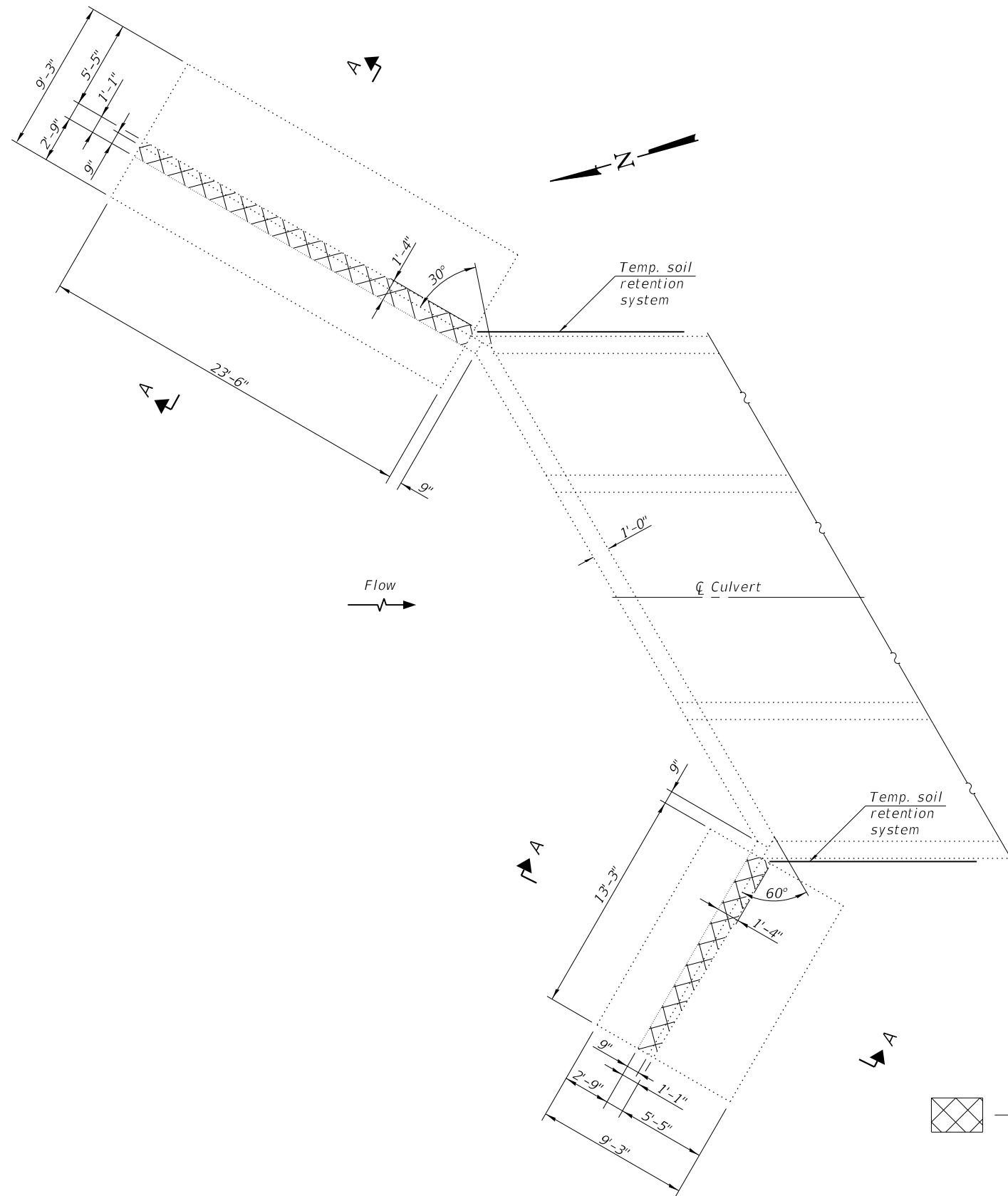
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT REPAIR - TEMPORARY SOIL RETENTION SYSTEM
STRUCTURE NO. 025-2006

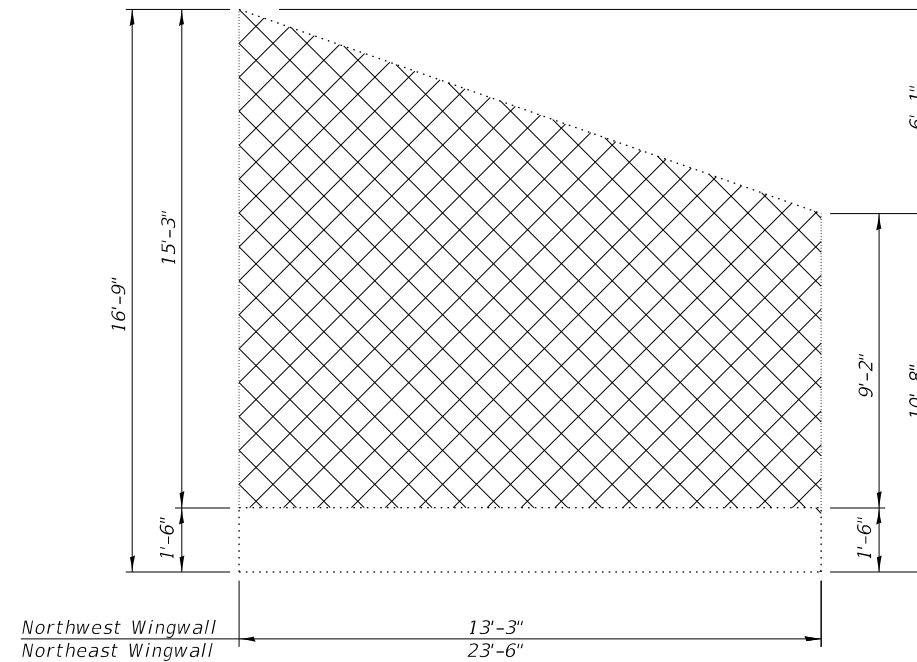
SHEET 4 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+1.25-5)R	EFFINGHAM	790	319
CONTRACT NO. 74599				
ILLINOIS		FED. AID PROJECT		

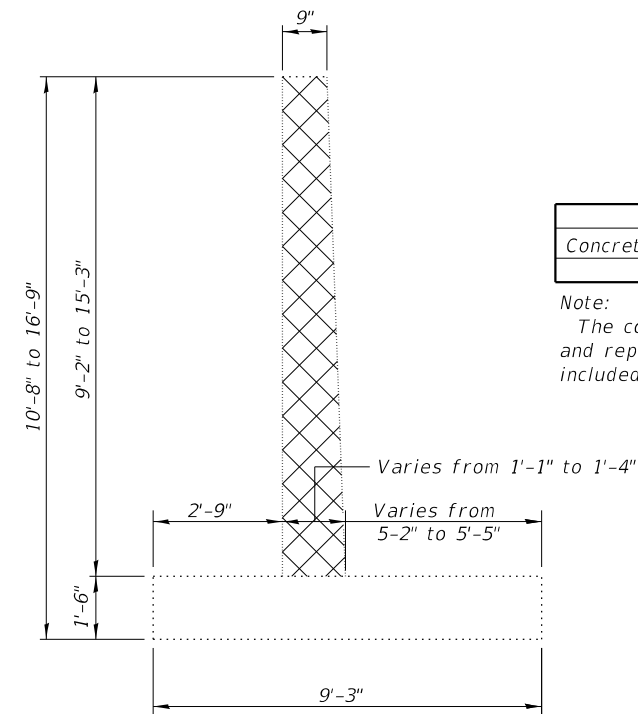
SDATES \$TIMES



PARTIAL PLAN



ELEVATION



SECTION A-A

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	16.6

Note:
The cost of excavation required to remove and replace the existing wingwalls shall be included in the cost of Concrete Box Culvert.



MODEL: SMODELNAMES
FILE NAME: SFILES

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ENGINEERING & TESTING, INC.
403 NORTH COURSE STREET
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

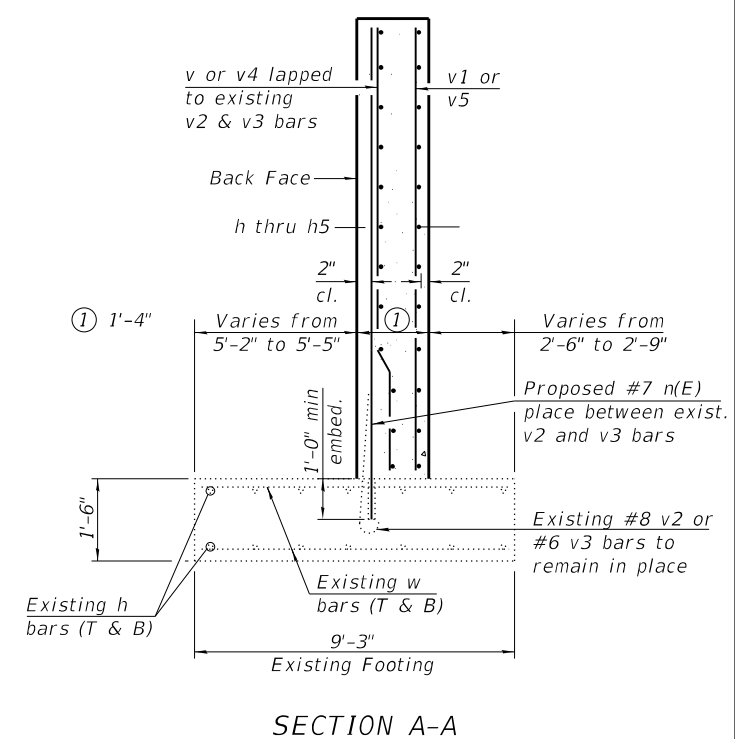
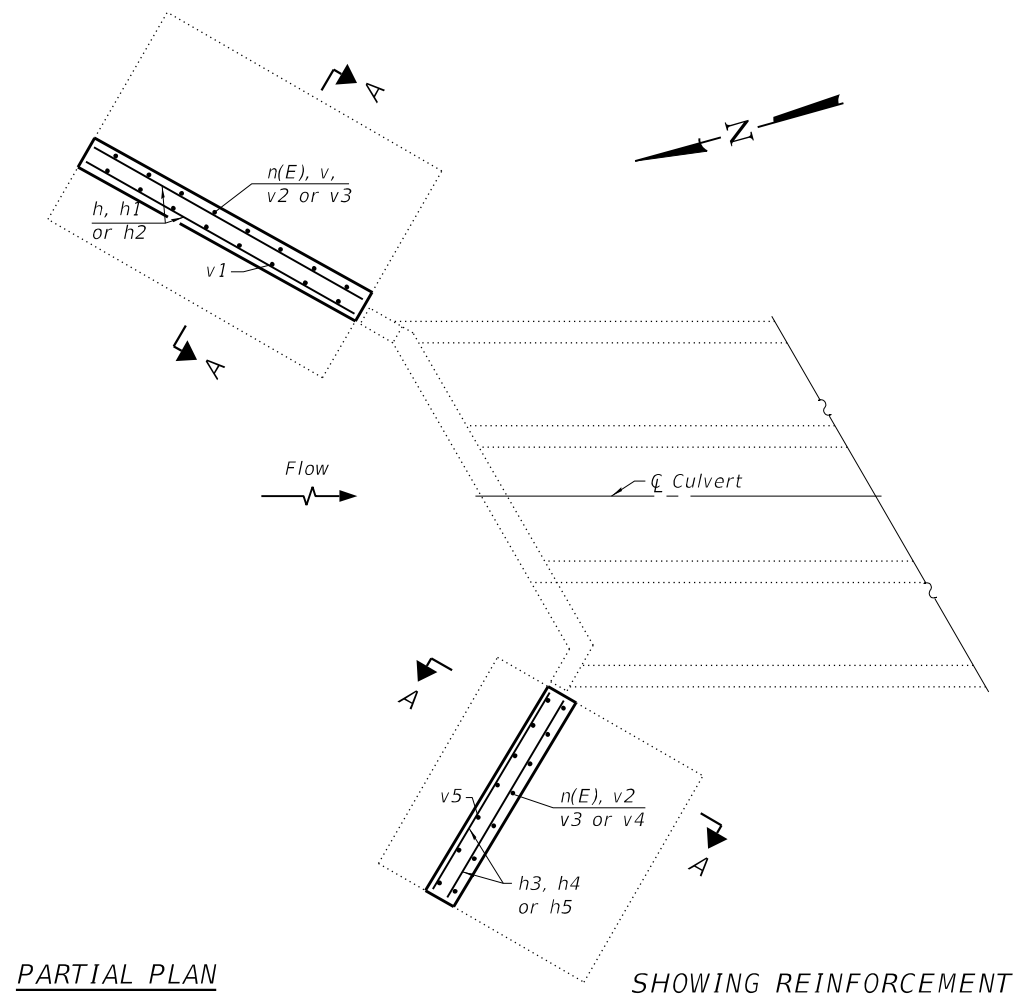
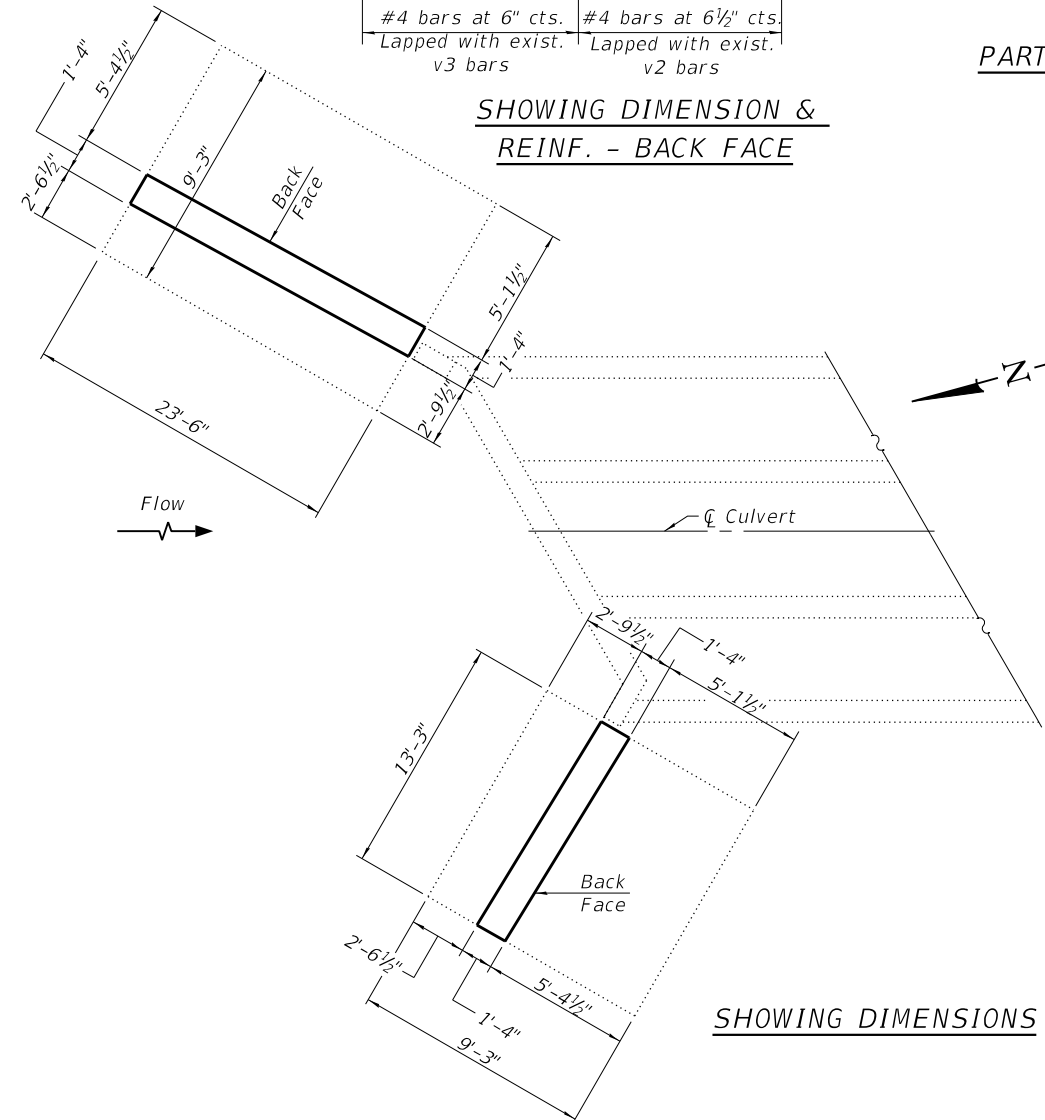
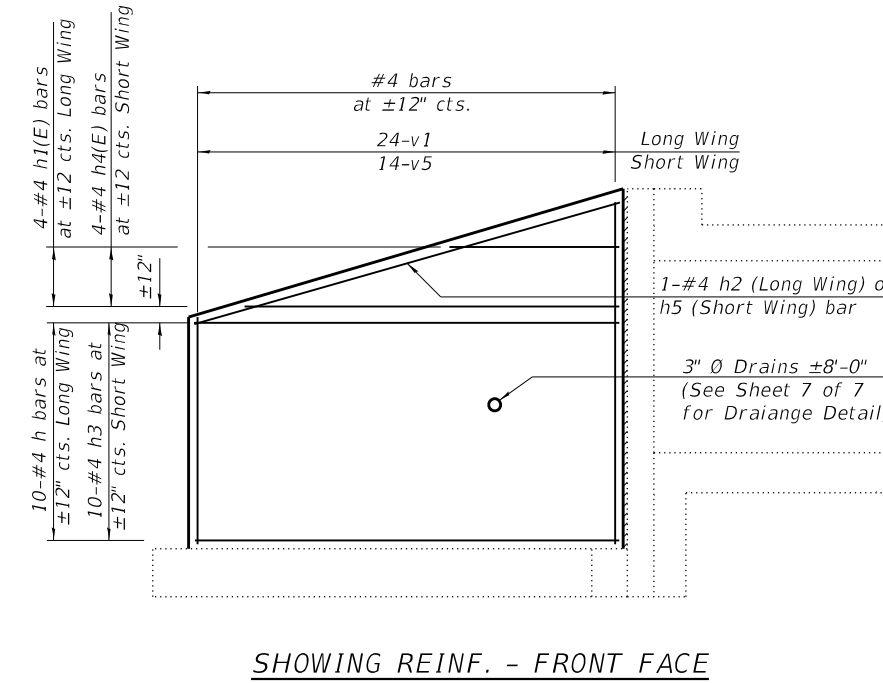
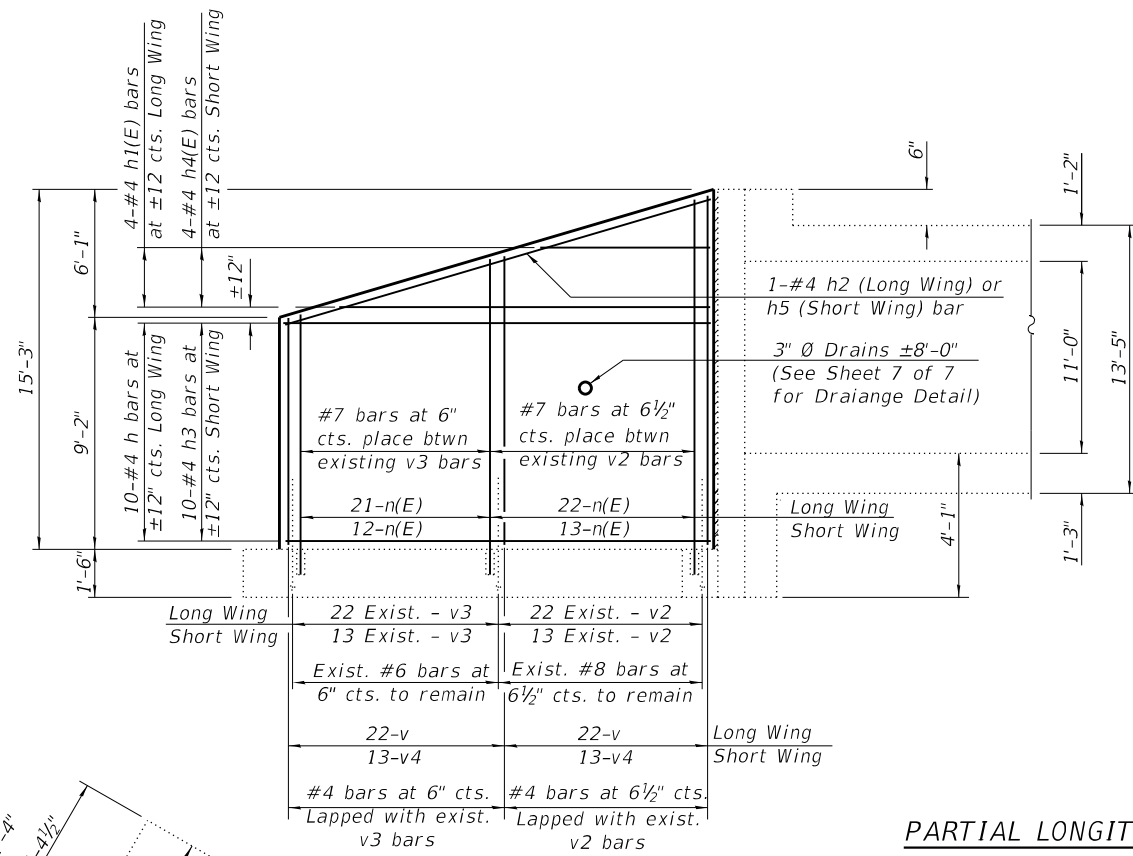
CULVERT REPAIR - REMOVAL DETAILS
STRUCTURE NO. 025-2006

SHEET 5 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+1.25-5)R	EFFINGHAM	790	320
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

SDATES \$TIMES

Note:
 Epoxy grout all n(E) bars according to Section 584 of the Standard Specifications. Drill to miss existing reinforcement. Cost included with Reinforcement Bars, Epoxy Coated.
 Existing v2 and v3 bars extending out of the footing shall be cleaned, straightened and incorporated into new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
 See sheet 7 of 7 for Bill of Material, reinforcement details, corner detail, and drainage detail.
 Order n(E), v, v1, v4, and v5 bars full length and cut to fit slope.
 Embed. denotes embedment, Exist. denotes existing, Prop. denotes proposed, T denotes Top and B denotes Bottom.



MODEL: SMODELNAMES
 FILE NAME: SFILES

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 ENGINEERING & TESTING, INC.
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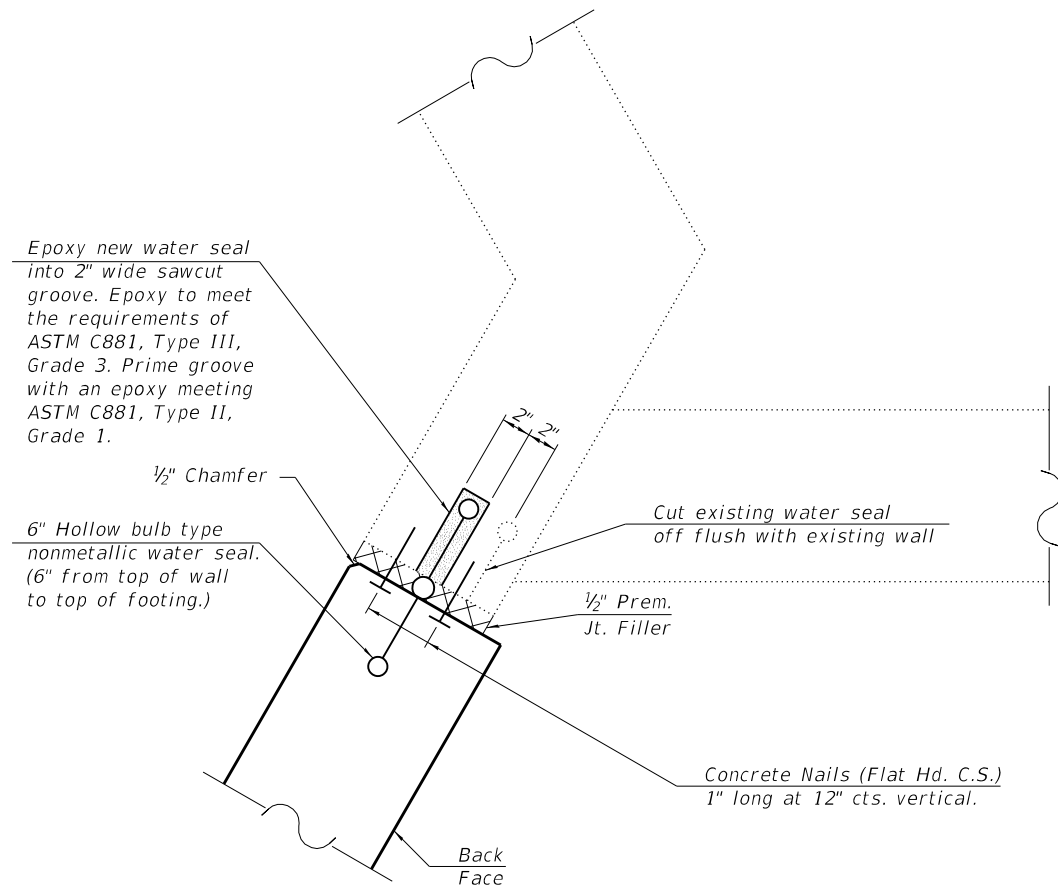
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DEPARTMENT OF TRANSPORTATION

CULVERT REPAIR - WINGWALL DETAILS
STRUCTURE NO. 025-2006

SHEET 6 OF 7 SHEETS

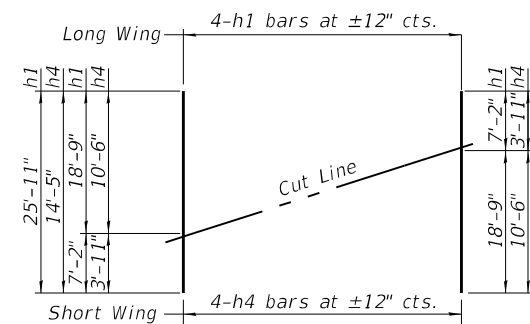
(Sheet 1 of 2)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1,25-5)R	EFFINGHAM	790	321
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				



CORNER DETAIL

Cost of furnishing and installing the bulb type water seal (including grooving existing concrete headwall, bulb water seal, nails and precast joint filler) shall be included in the cost of Concrete Box Culverts.



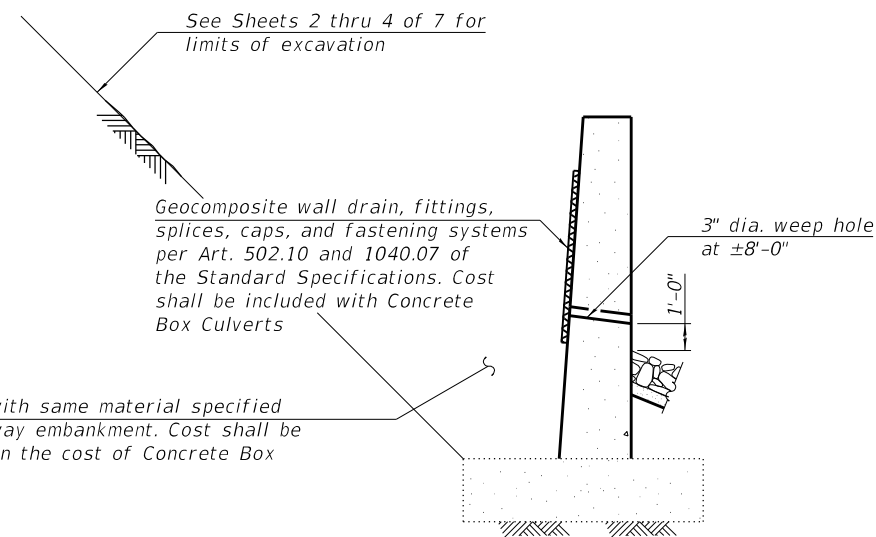
FIELD CUTTING DIAGRAM

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

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h	20	#4	23'-2"	—
h1	4	#4	25'-11"	—
h2	2	#4	23'-11"	—
h3	20	#4	12'-11"	—
h4	4	#4	14'-5"	—
h5	2	#4	14'-2"	—
n(E)	68	#7	16'-0"	—
v	44	#4	14'-10"	—
v1	24	#4	14'-10"	—
v4	26	#4	14'-10"	—
v5	14	#4	14'-10"	—
Concrete Box Culverts			Cu. Yd.	22.2
Reinforcement Bars			Pound	1720
Reinforcement Bars, Epoxy Coated			Pound	2230

Note:
Order n(E), v, v1, v4, and v5 bars full length and cut to fit slope.



DRAINAGE DETAIL

(Sheet 2 of 2)

MODEL: SMODELNAMES
FILE NAME: SFILES

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CULVERT REPAIR - WINGWALL DETAILS
STRUCTURE NO. 025-2006**

SHEET 7 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1,25-5)R	EFFINGHAM	790	322
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

SDATES \$TIMES

Existing Structure: The existing structure is a ±172'-2" long reinforced cast-in-place concrete box culvert with a 6'-0" x 3'-0" opening. The original structure was constructed in 1959 and reconstructed at an unknown date.

* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

GENERAL NOTES

Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of work, however, the Contract will be paid for the quantity furnished at the unit price for the work.
Expansion bolts shall be according to Standard Specification Article 1006.09.
Hydraulic information for the existing culvert is not available and a new hydraulic study was not performed. No impacts to the existing hydraulics are expected with the proposed scope of work.

LIVE LOADING

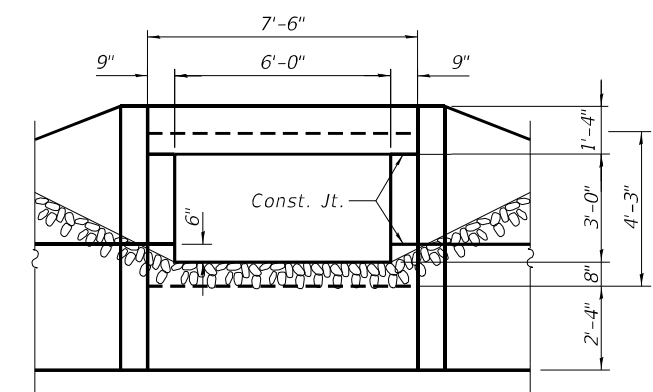
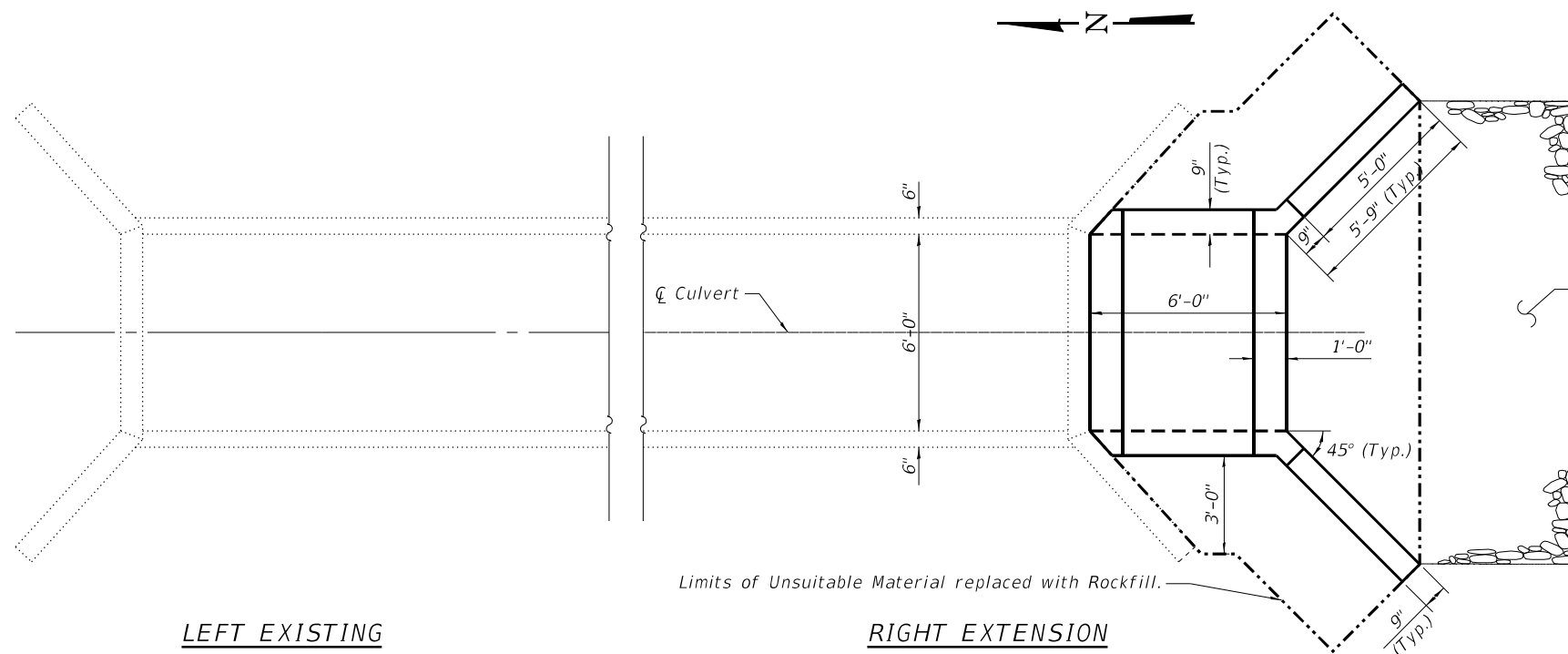
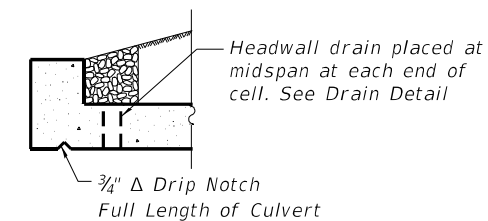
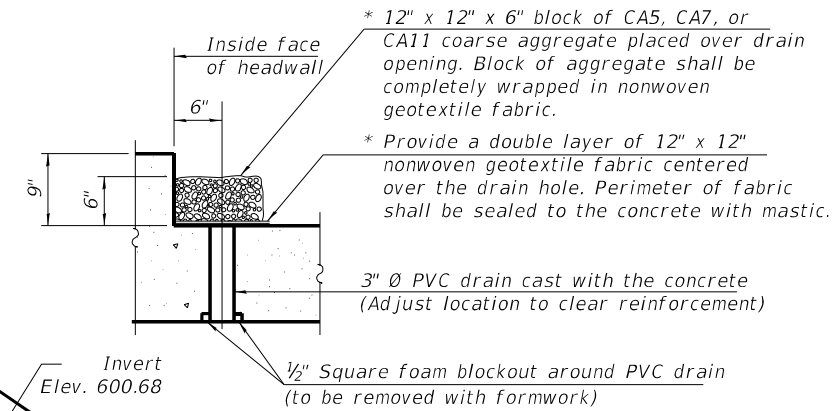
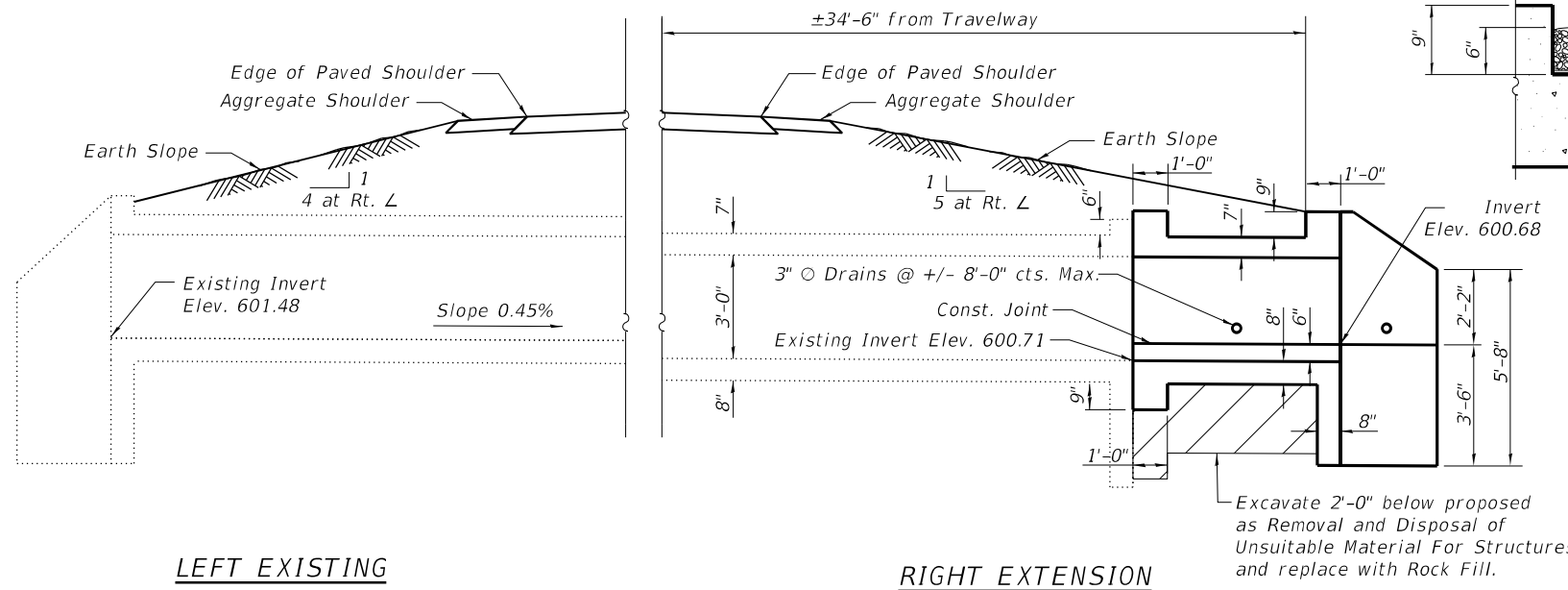
HS20-44 and Alternate Military Vehicle design live load. Allow 50#/sq. ft. for future wearing surface on extension.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges

DESIGN STRESSES

NEW CONSTRUCTION
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
EXISTING CONSTRUCTION
f'c = 3,000 psi
fy = 40,000 psi (Reinforcement)



GENERAL PLAN AND ELEVATION
FAI ROUTE 70 OVER STREAM
STATION 2498+60.00
STRUCTURE NO. 025-8700
EFFINGHAM COUNTY



MODEL: Default
FILE NAME: X:\Production\Files\2020\420-0053\CAD\CADD Drawings\025-8700\SS10 Sheet Files\025-8700\SS10-1-GPE.dgn
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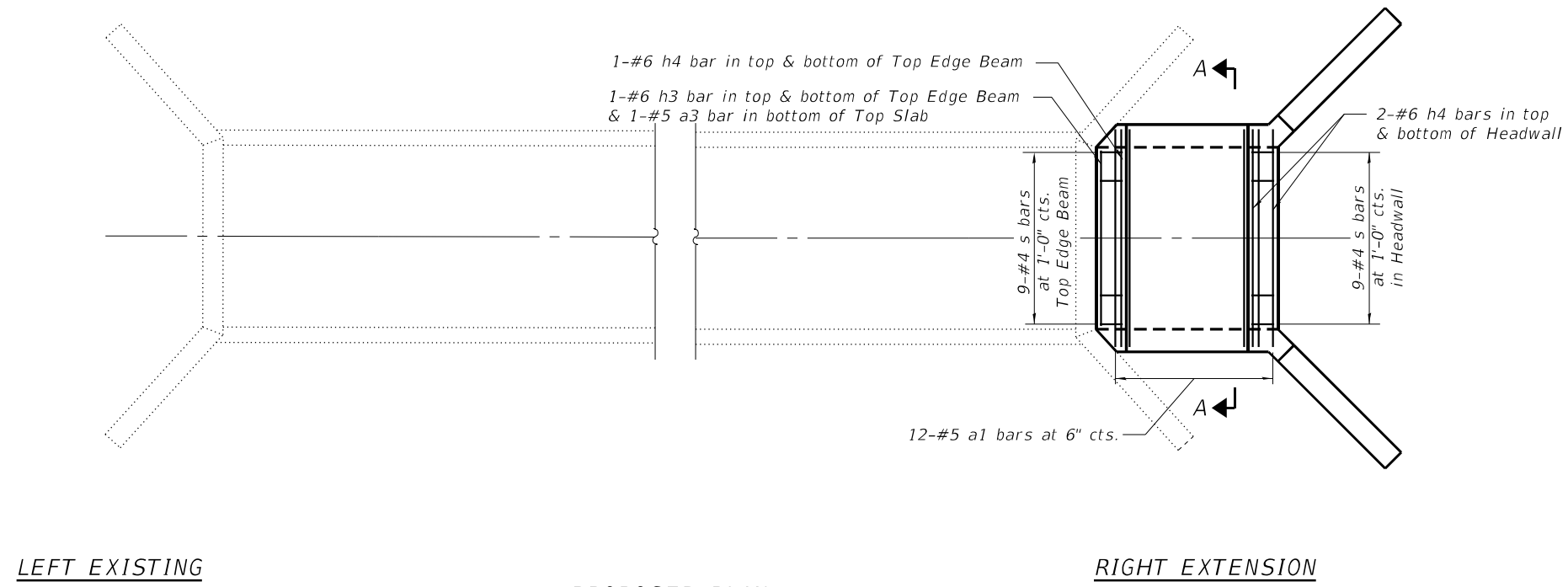
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PLOT DATE =	3/14/2022	CHECKED -	REB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 025-8700
SHEET 1 OF 3 SHEETS

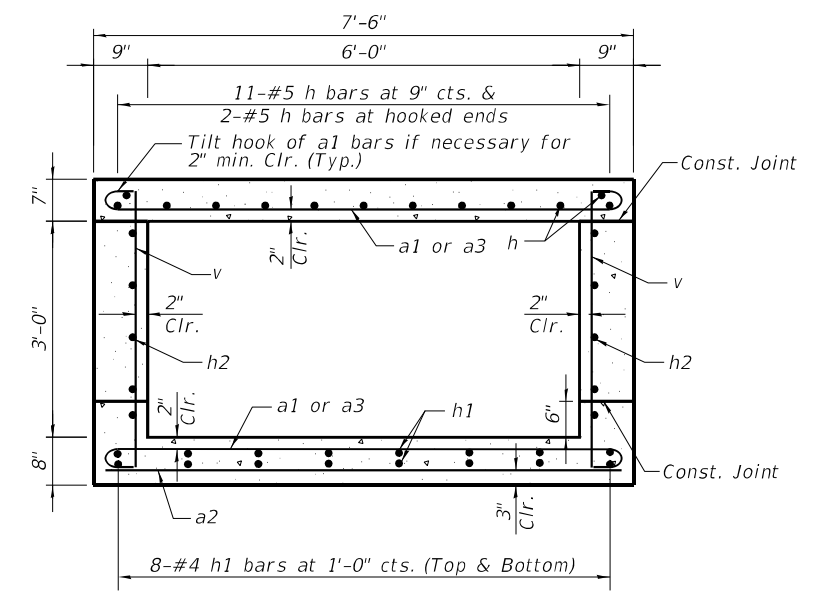
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	323
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

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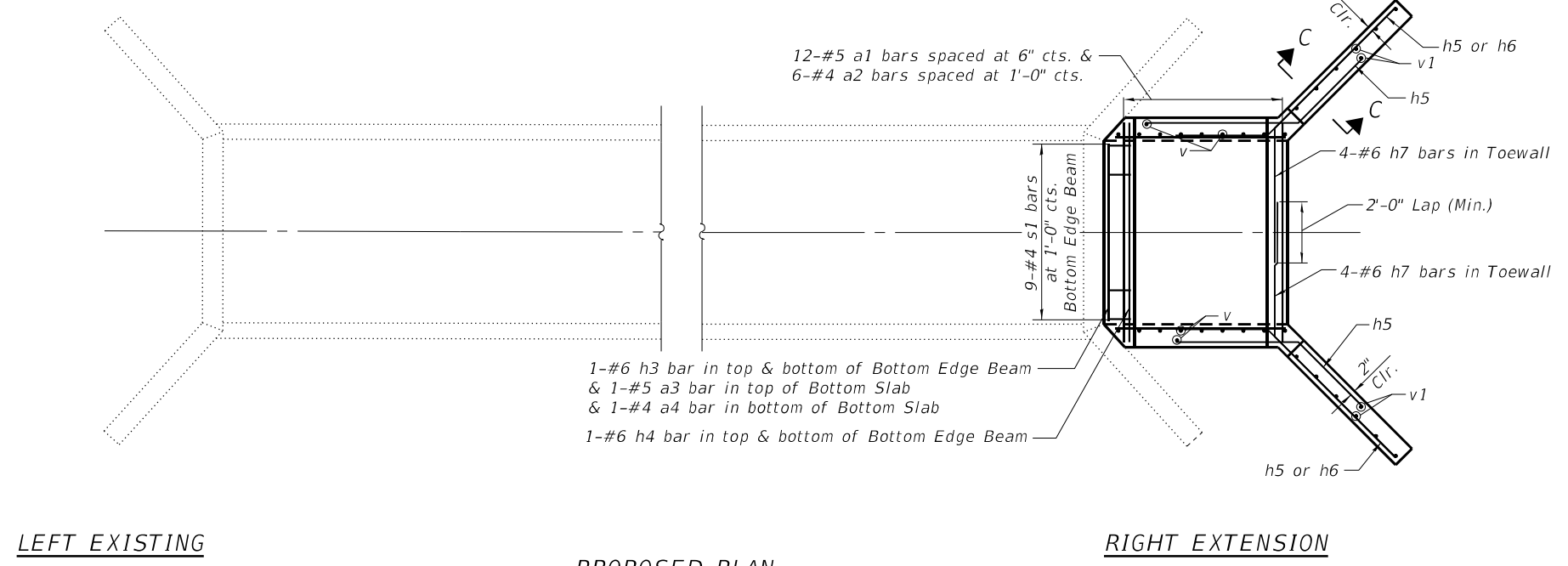


**PROPOSED PLAN
 SHOWING REINFORCEMENT**

(Top Slab, Headwall & Top Edge Beam Reinforcement Shown)
 (See Section A-A for h bar spacing)



SECTION A-A



**PROPOSED PLAN
 SHOWING REINFORCEMENT**

(Barrel, Bottom Slab, Bottom Edge Beam & Wing Wall Reinforcement Shown)
 (See Section A-A for h1 bar spacing)

Notes:
 For Section C-C see Sheet 3 of 3.
 For Elevation, Bar Bends and Bill of Materials, see Sheet 3 of 3.



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PLOT DATE =	3/14/2022	DRAWN -	WMB	REVISED -	
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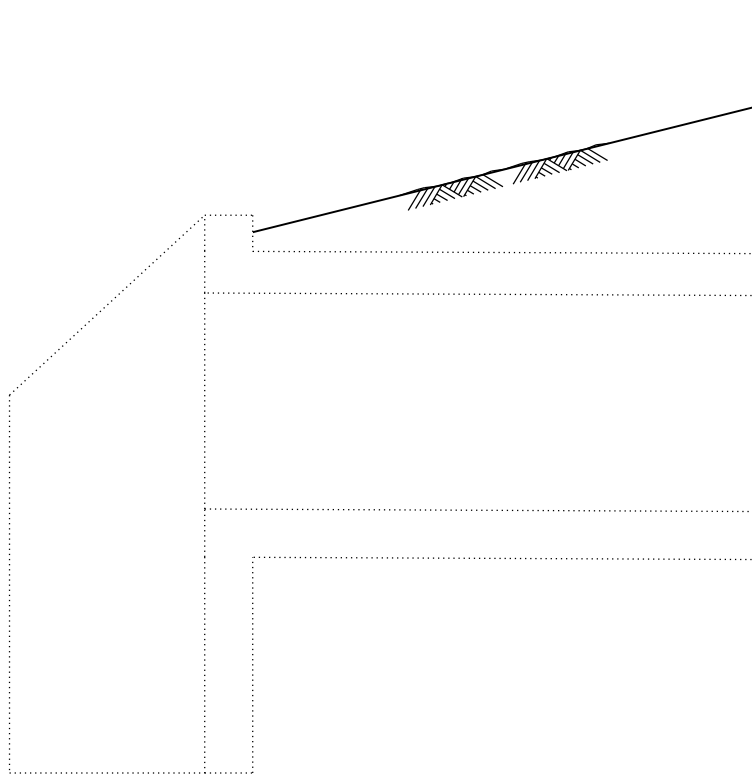
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CULVERT EXTENSION DETAILS
 STRUCTURE NO. 025-8700**

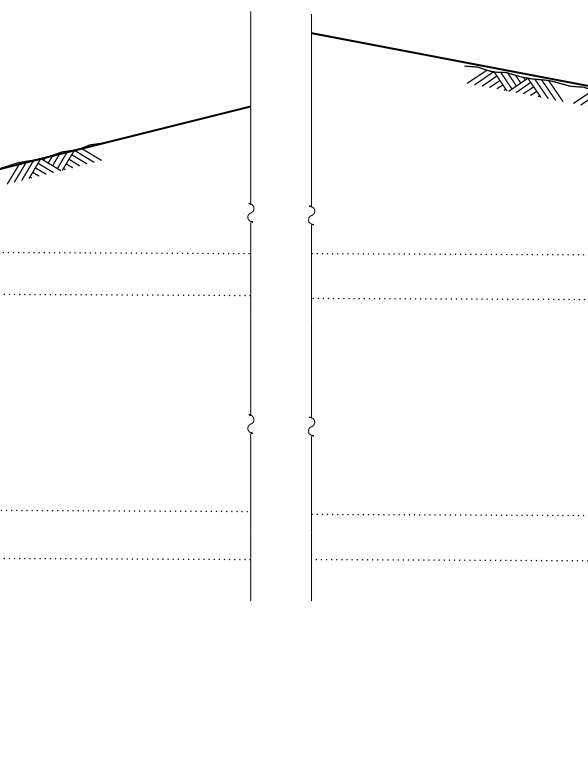
SHEET 2 OF 3 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

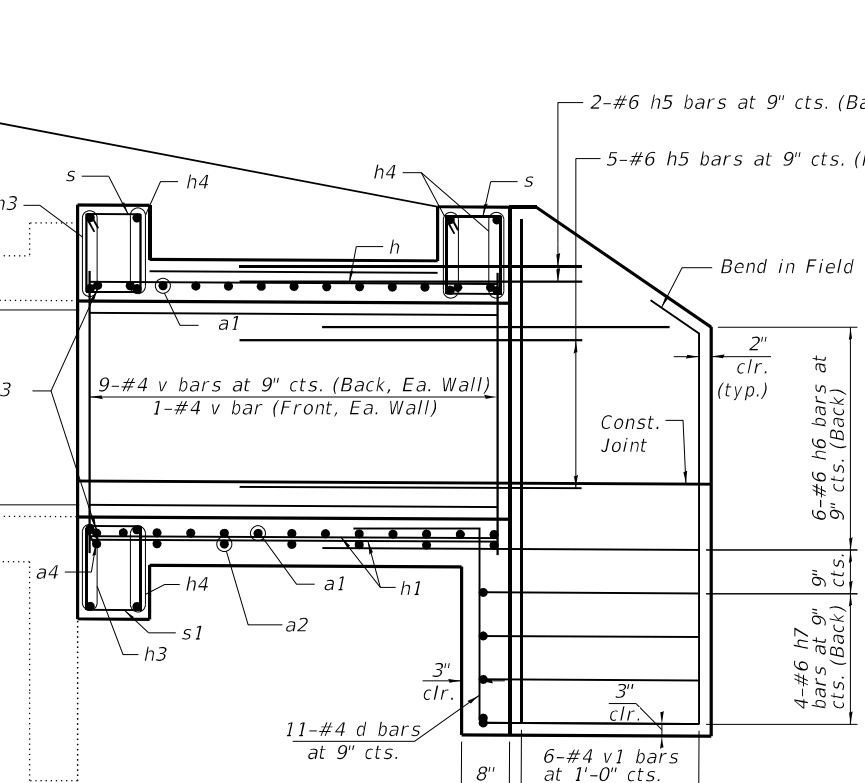
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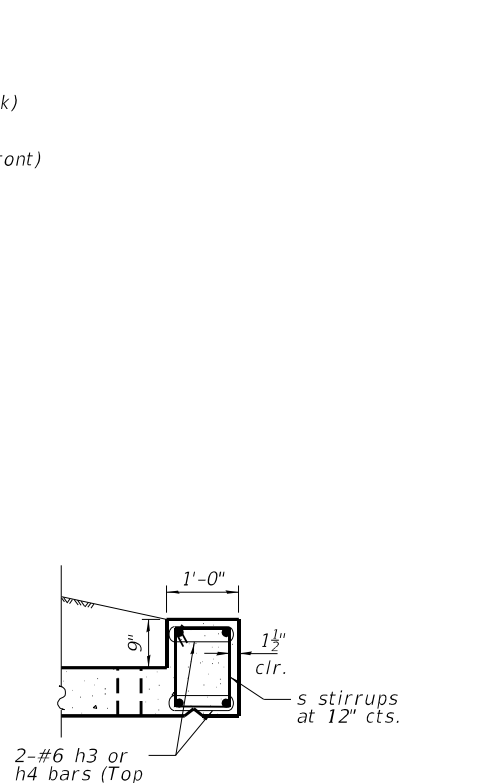
LEFT EXISTING



ELEVATION SHOWING REINFORCEMENT

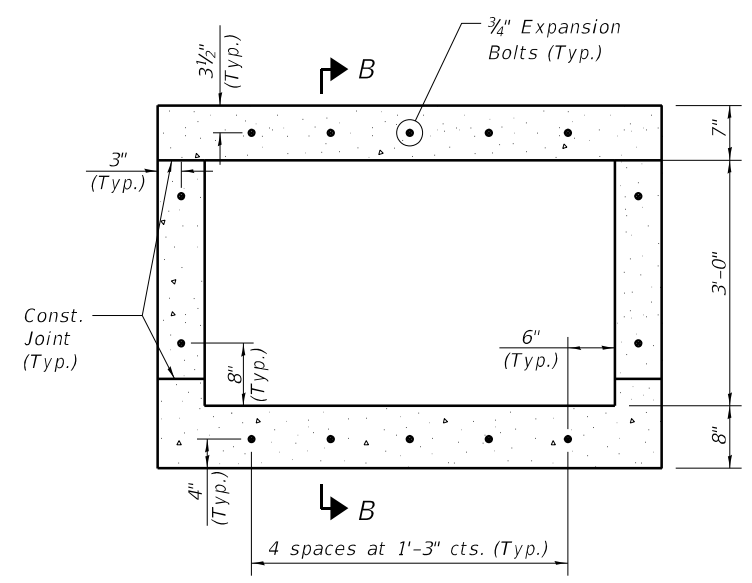


RIGHT EXTENSION



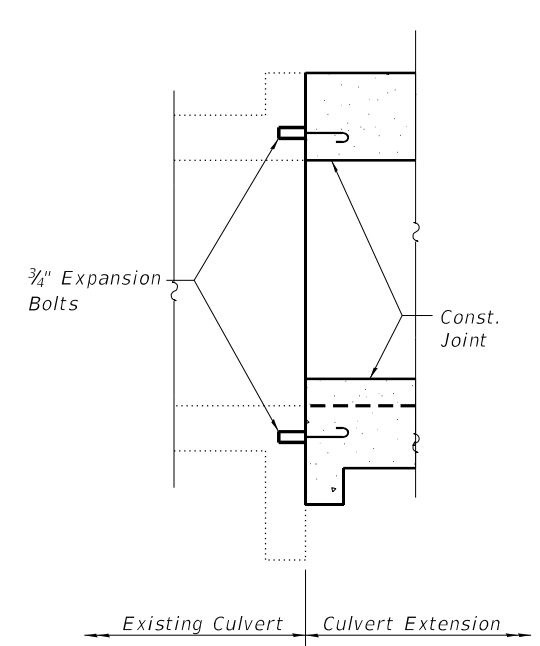
HEADWALL / EDGE BEAM REINFORCEMENT

Note: Bottom Slab Edge Beam similar with s1 stirrups at 12" cts.

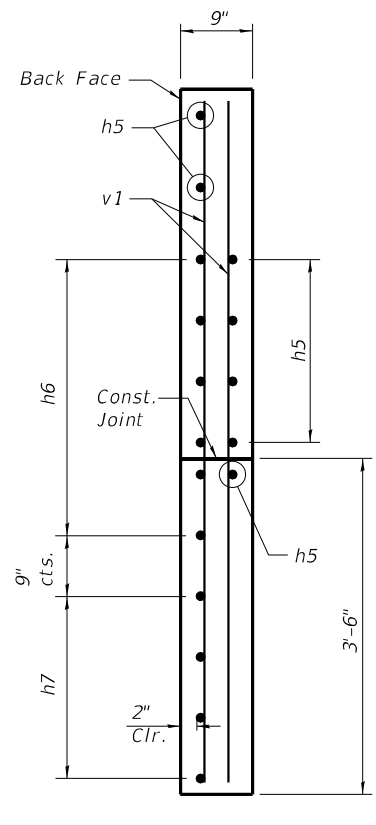


EXPANSION BOLT LAYOUT

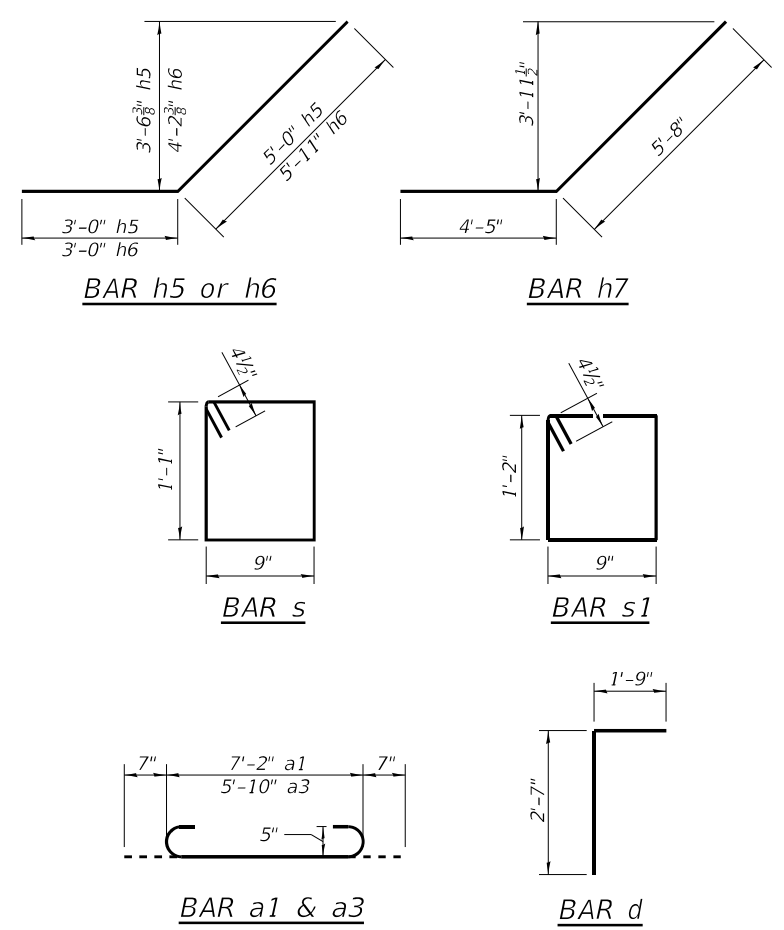
Note: Expansion Bolts shall be 3/4" hooked bolts. Hooked bolts shall extend a minimum of 9" into the new concrete.



SECTION B-B



SECTION C-C



BILL OF MATERIAL

Bar	No.	Size	Length	Shape		
a1	24	#5	8'-4"			
a2	6	#4	7'-2"			
a3	2	#5	7'-0"			
a4	1	#4	5'-10"			
d	11	#4	4'-4"			
h	13	#5	5'-8"			
h1	16	#4	5'-8"			
h2	10	#5	5'-8"			
h3	4	#6	5'-10"			
h4	8	#6	7'-2"			
h5	14	#6	8'-0"			
h6	12	#6	8'-11"			
h7	8	#6	10'-1"			
s	18	#4	4'-5"			
s1	9	#4	4'-7"			
v	20	#4	3'-10"			
v1	14	#4	6'-11"			
Removal & Disposal of Unsuitable Material for Structures					Cu. Yd.	11
Rock Fill					Cu. Yd.	11
Reinforcing Bars					Pound	1,252
Concrete Box Culverts					Cu. Yd.	6.1
3/4" Expansion Bolts					Each	14



USER NAME=	PEberhart	DESIGNED -	WMB	REVISED -	
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PLOT DATE =	3/14/2022	DRAWN -	WMB	REVISED -	
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CULVERT EXTENSION DETAILS
 STRUCTURE NO. 025-8700

SHEET 3 OF 3 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	325
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

Existing Structure: The existing structure is a ±166'-6" long, reinforced cast-in-place concrete box culvert with a 10'-0" x 7'-0" opening. The original structure was constructed in 1960 and reconstructed later.

*Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

(All costs associated with furnishing and constructing the drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

* 12" x 12" x 6" block of CA5, CA7, or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

* Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Perimeter of fabric shall be sealed to the concrete with mastic.

3" Ø PVC drain cast with the concrete (Adjust location to clear reinforcement)

1/2" Square foam blockout around PVC drain (to be removed with formwork)

GENERAL NOTES

Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of work, however, the Contract will be paid for the quantity furnished at the unit price for the work.

Expansion bolts shall be according to Standard Specification Article 1006.09.

Hydraulic information for the existing culvert is not available and a new hydraulic study was not performed. No impacts to the existing hydraulics are expected with the proposed scope of work.



DESIGN SPECIFICATIONS

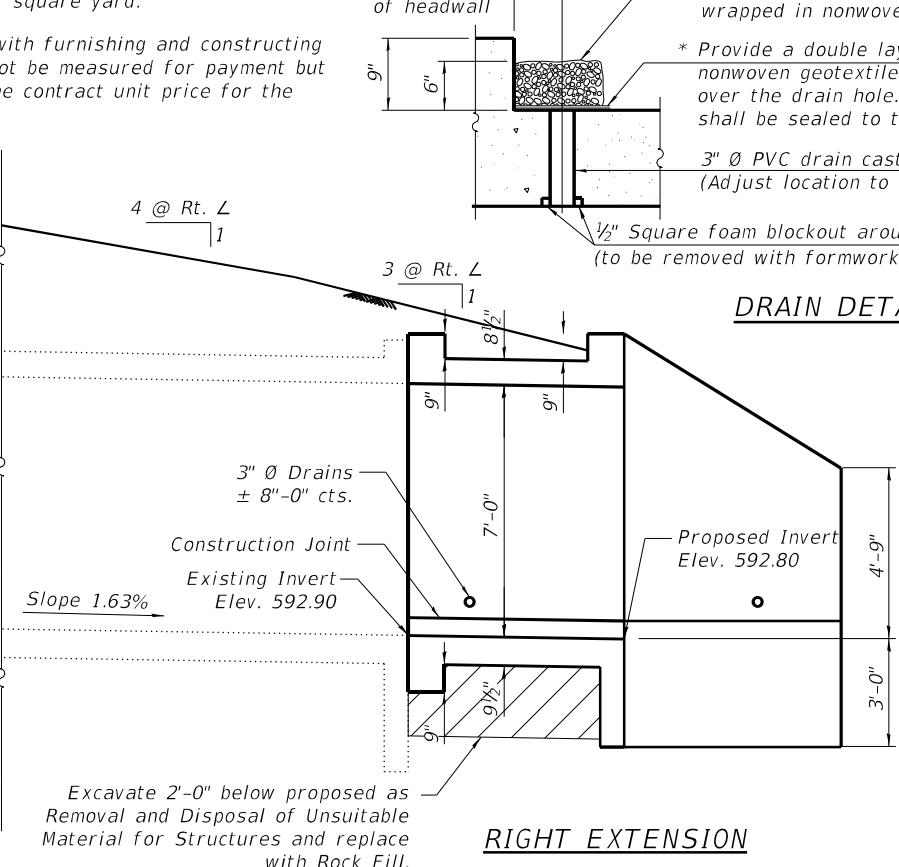
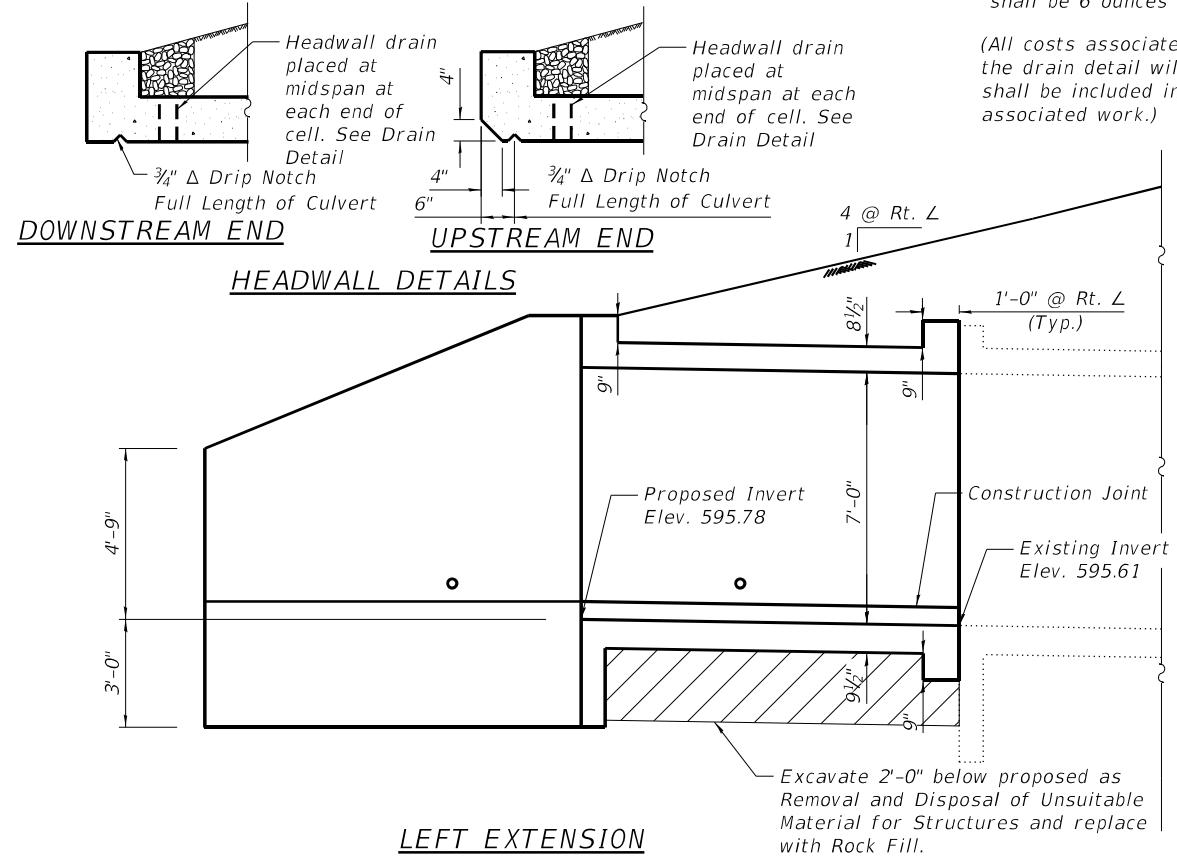
2002 AASHTO Standard Specifications for Highway Bridges

LIVE LOADING

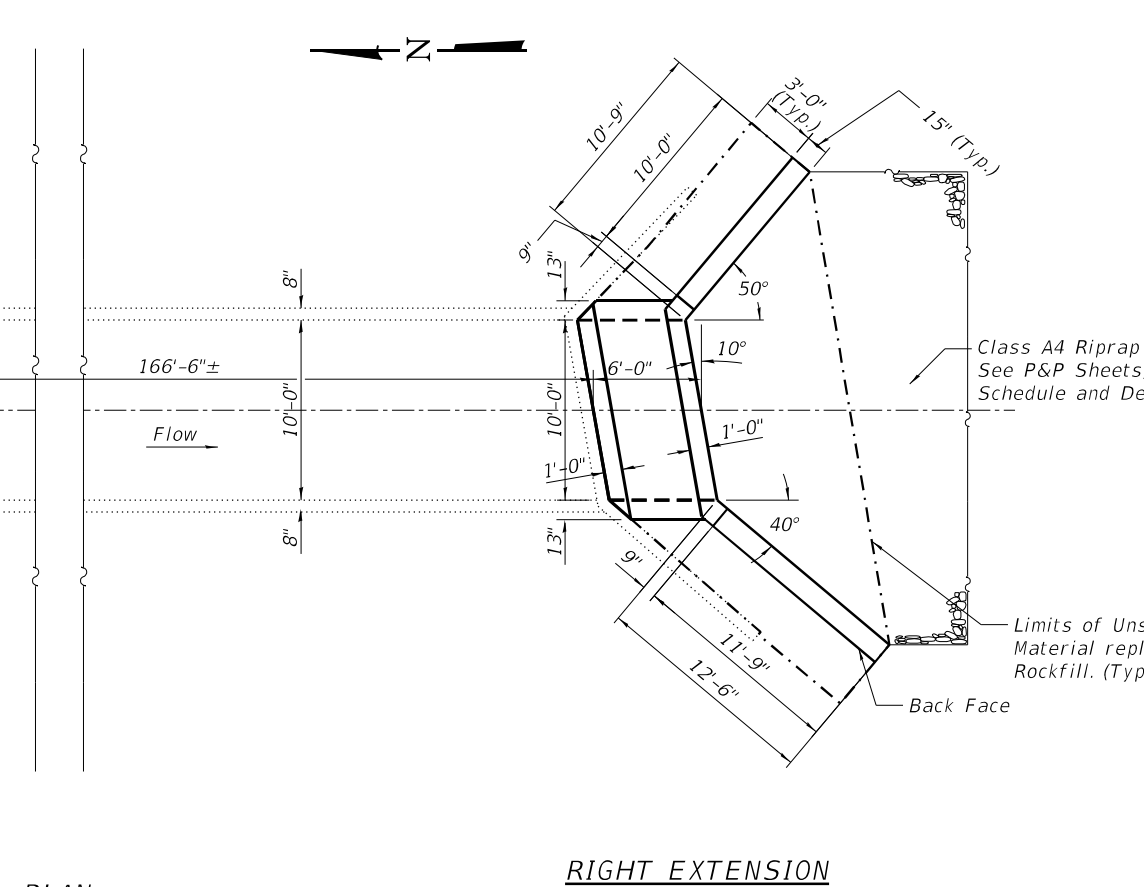
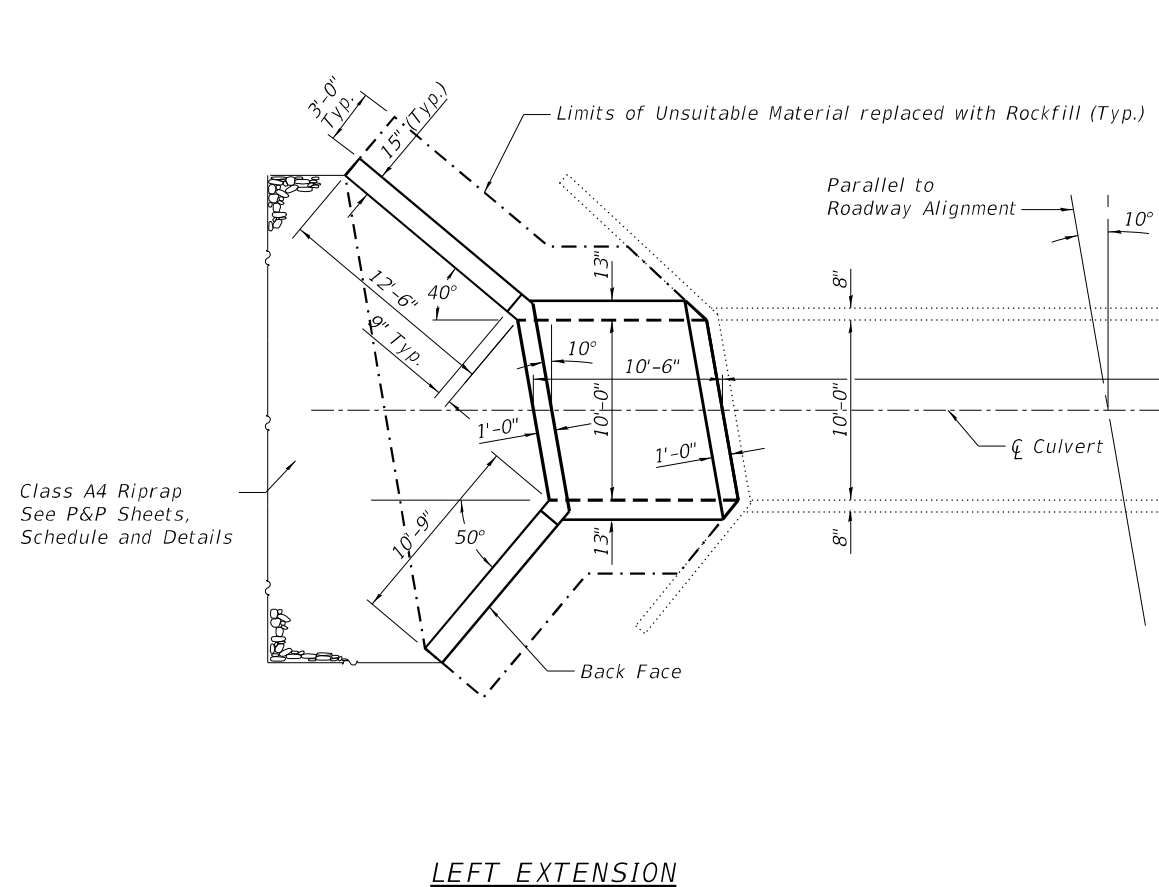
HS20-44 and Alternate Military Vehicle design live load. Allow 50#/sq. ft. for future wearing surface on extension.

DESIGN STRESSES

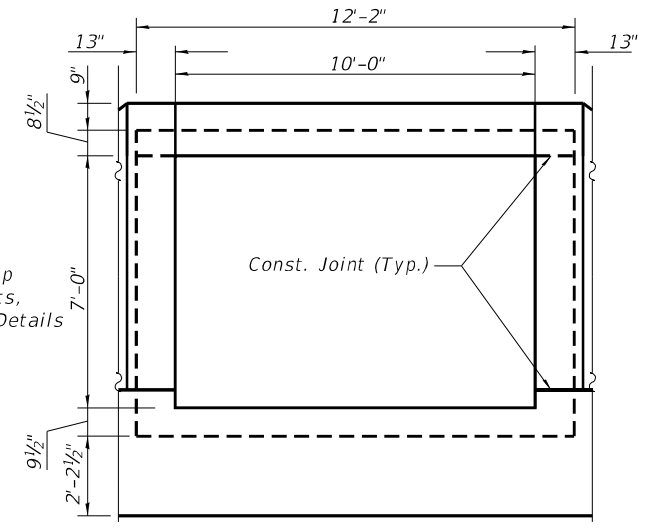
NEW CONSTRUCTION	EXISTING CONSTRUCTION
f'c = 3,500 psi	f'c = 3,000 psi
fy = 60,000 psi (Reinforcement)	fy = 20,000 psi (Reinforcement)



ELEVATION



PLAN



BOX CULVERT END ELEVATION

GENERAL PLAN AND ELEVATION

**FAI 70 OVER STREAM
STATION 2541+20.00
STRUCTURE NO. 025-8701
EFFINGHAM COUNTY**



MODEL: Default; FILE NAME: X:\Production\Files\2020\420-0053\CAD\CADD Drawings\025-8701\SS10 Files_025-8701\SS10 Sheet Files\025-8701-74599-001-GPE.dgn



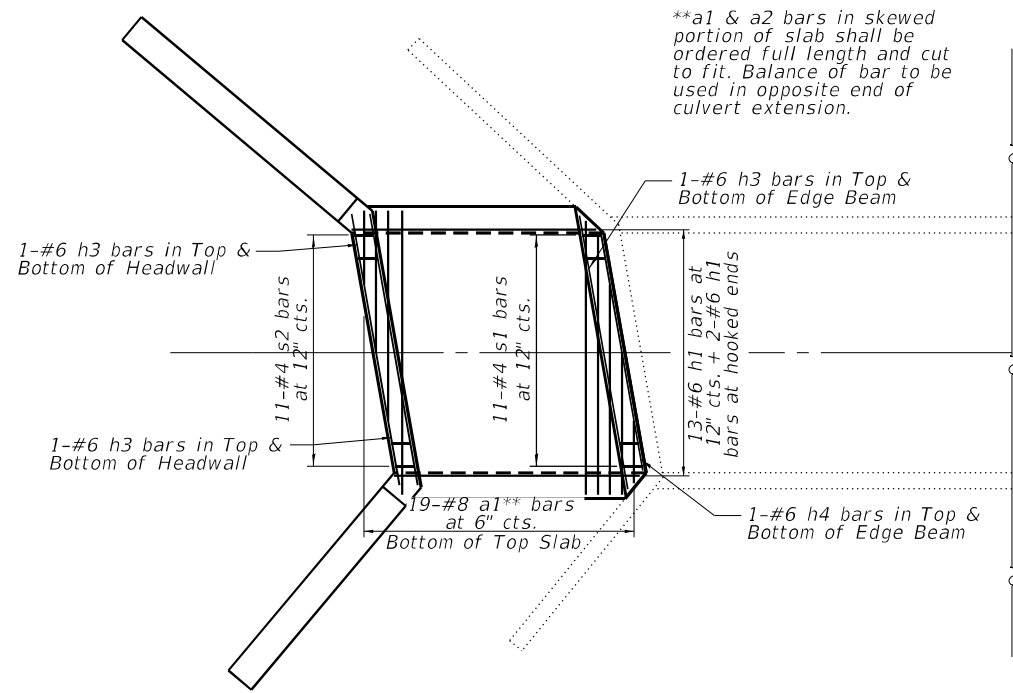
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

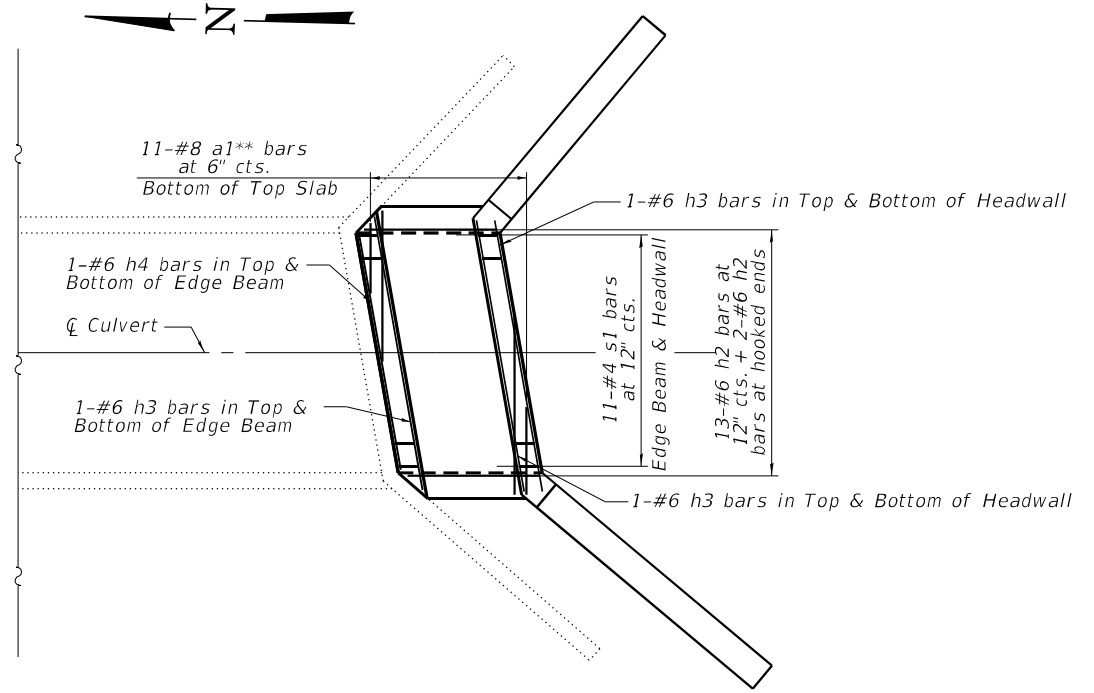
**GENERAL PLAN & ELEVATION
STRUCTURE NO. 025-8701**

SHEET 1 OF 3 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	326
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				



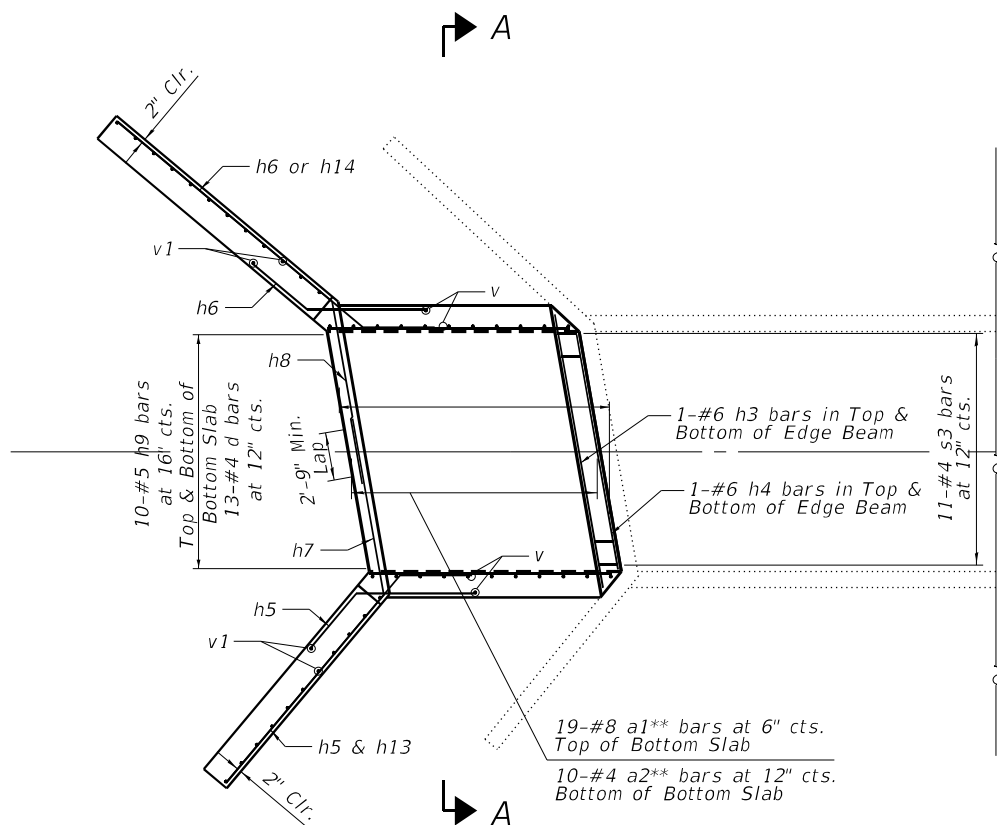
LEFT EXTENSION



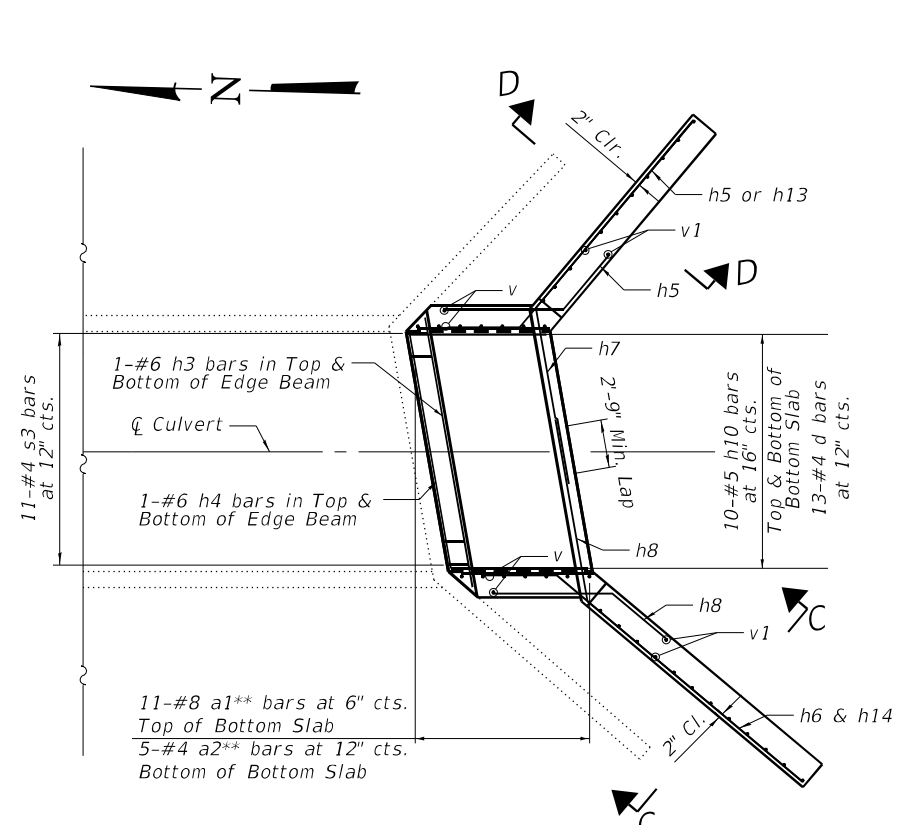
RIGHT EXTENSION

**PROPOSED PLAN
SHOWING REINFORCEMENT**

(Top Slab, Headwall & Top Edge Beam Reinforcement Shown)



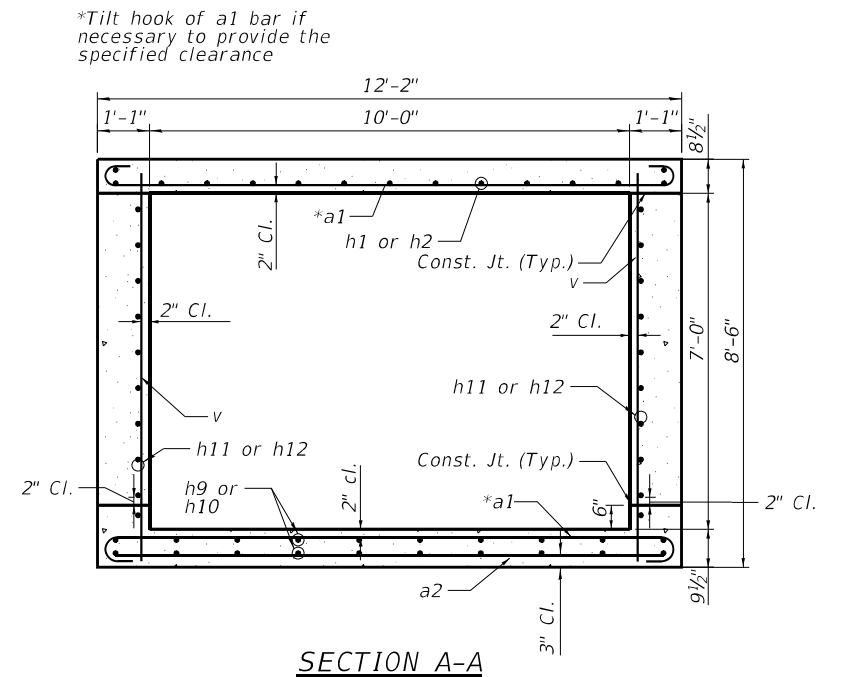
LEFT EXTENSION



RIGHT EXTENSION

**PROPOSED PLAN
SHOWING REINFORCEMENT**

(Sidewall, Bottom Slab (bars not shown for clarity), Bottom Edge Beam & Wingwall Reinforcement Shown)



SECTION A-A

Notes:
For Section C-C & D-D see Sheet 3 of 3.
For Elevation, Bar Bends and Bill of Materials see Sheet 3 of 3.

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PLOT DATE =	3/14/2022	CHECKED -	REB	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CULVERT EXTENSION DETAILS
STRUCTURE NO. 025-8701**

SHEET 2 OF 3 SHEETS

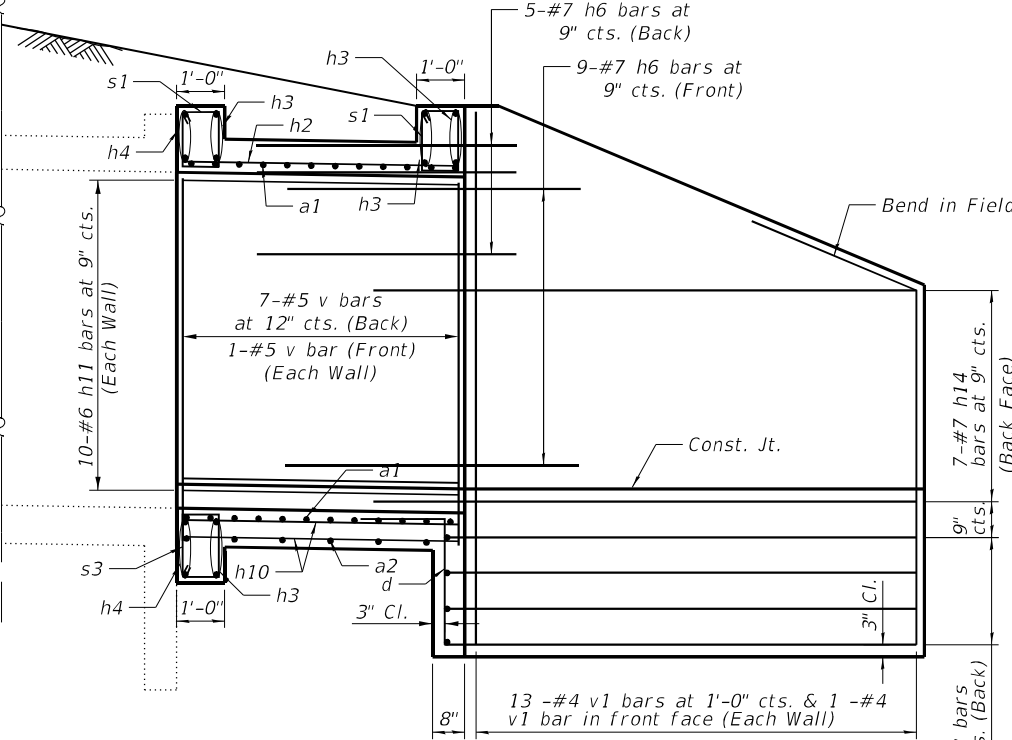
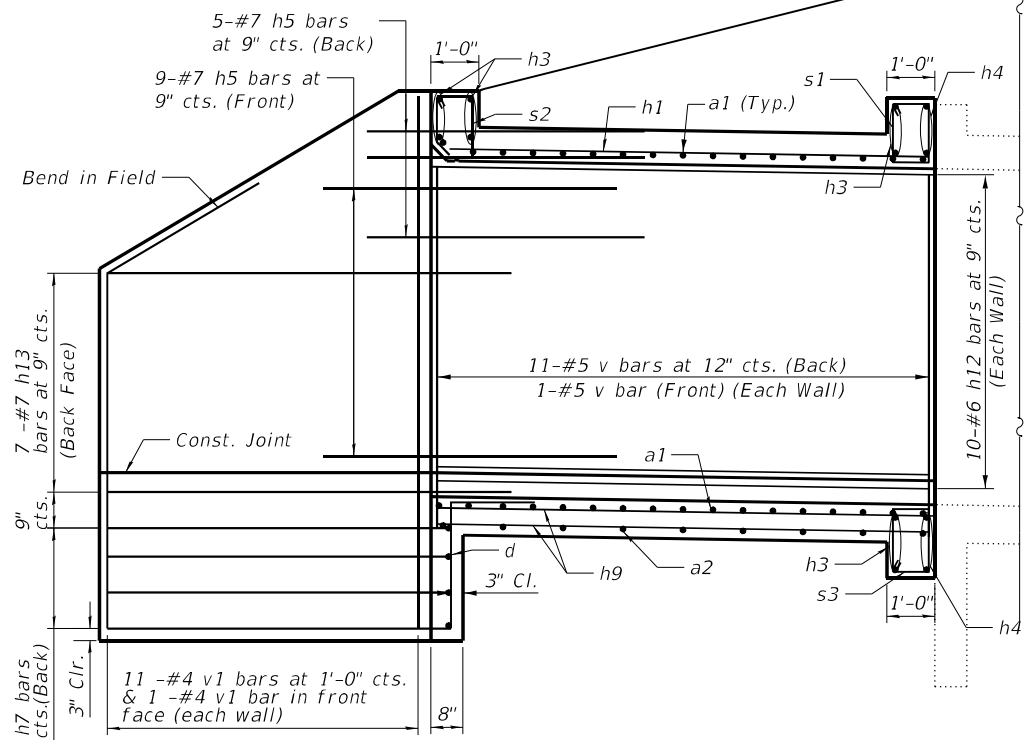
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	327
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

BILL OF MATERIAL

LEFT EXTENSION				
Bar	No.	Size	Length	Shape
a1	38	#8	13'-8"	
a2	10	#4	11'-10"	
d	13	#4	4'-4"	
h1	15	#6	10'-2"	
h3	8	#6	11'-6"	
h4	4	#6	10'-0"	
h5	14	#7	8'-0"	
h6	14	#7	8'-0"	
h7	4	#7	17'-8"	
h8	4	#7	19'-5"	
h9	20	#5	10'-2"	
h12	20	#6	10'-2"	
h13	7	#7	14'-3"	
h14	7	#7	16'-4"	
s1	11	#4	4'-8"	
s2	11	#4	4'-6"	
s3	11	#4	4'-10"	
v	24	#5	8'-1"	
v1	26	#4	11'-0"	
Reinforcing Bars		Pound	4,154	
Concrete Box Culvert		Cu. Yd.	24.3	
3/4" Expansion Bolts		Each	24	
Removal & Disposal of Unsuitable Material for Structures		Cu. Yd.	30.4	
Rock Fill		Cu. Yd.	30.4	

BILL OF MATERIAL

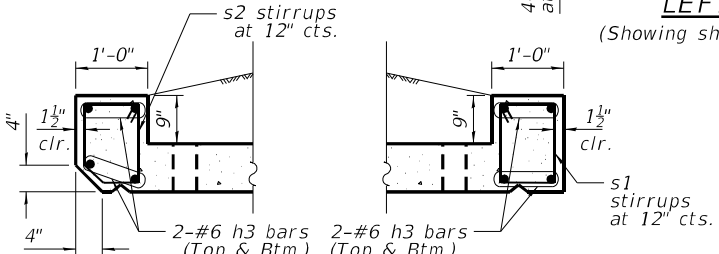
RIGHT EXTENSION				
Bar	No.	Size	Length	Shape
a1	22	#8	13'-8"	
a2	5	#4	11'-10"	
d	13	#4	4'-4"	
h2	15	#6	5'-8"	
h3	8	#6	11'-6"	
h4	4	#6	10'-0"	
h5	14	#7	8'-0"	
h6	14	#7	8'-0"	
h7	4	#7	17'-8"	
h8	4	#7	19'-5"	
h10	20	#5	5'-8"	
h11	20	#6	5'-8"	
h13	7	#7	14'-3"	
h14	7	#7	16'-4"	
s1	22	#4	4'-8"	
s3	11	#4	4'-10"	
v	16	#5	8'-1"	
v1	26	#4	11'-0"	
Reinforcing Bars		Pound	3,131	
Concrete Box Culvert		Cu. Yd.	18.7	
3/4" Expansion Bolts		Each	24	
Removal & Disposal of Unsuitable Material for Structures		Cu. Yd.	24.1	
Rock Fill		Cu. Yd.	24.1	



ELEVATION SHOWING REINFORCEMENT

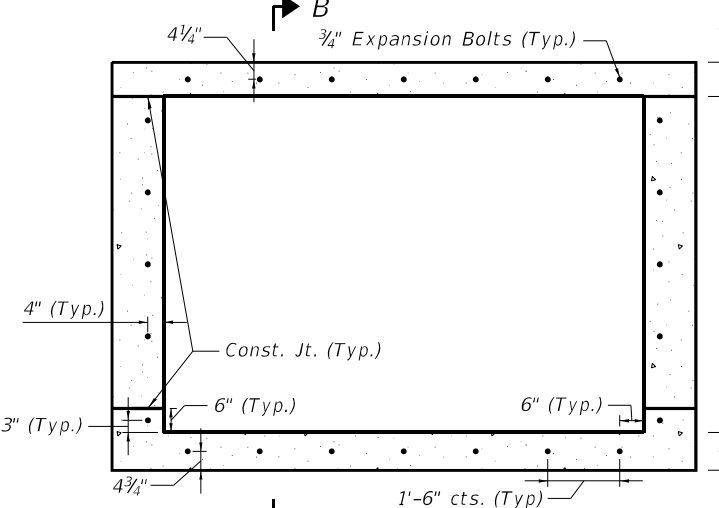
LEFT EXTENSION
(Showing short wingwall reinforcing)

RIGHT EXTENSION
(Showing long wingwall reinforcing)



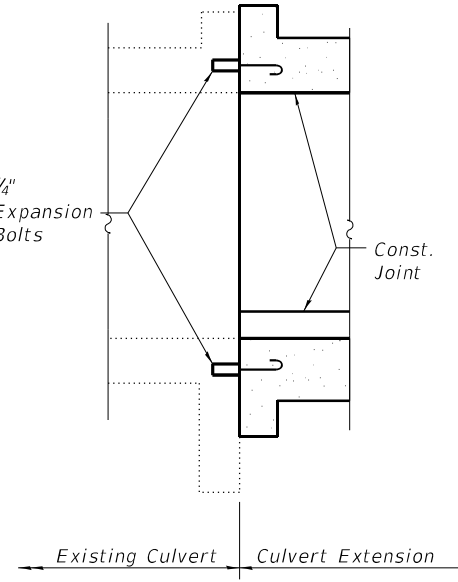
HEADWALL REINFORCEMENT

Note: Bottom Slab Edge Beam similar with s3 stirrups at 12 inch cts.

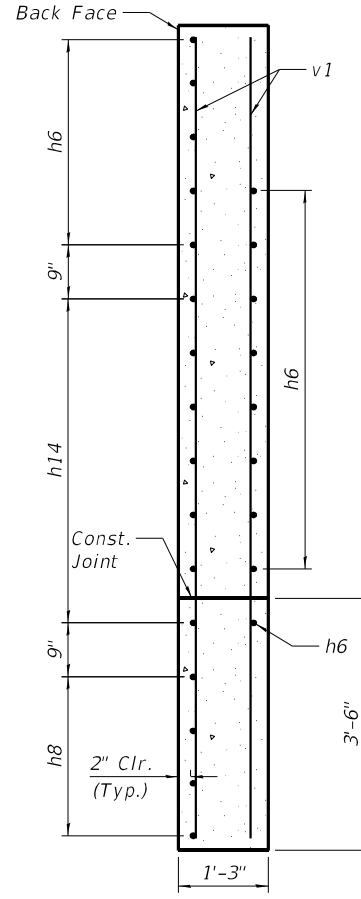


EXPANSION BOLT LAYOUT

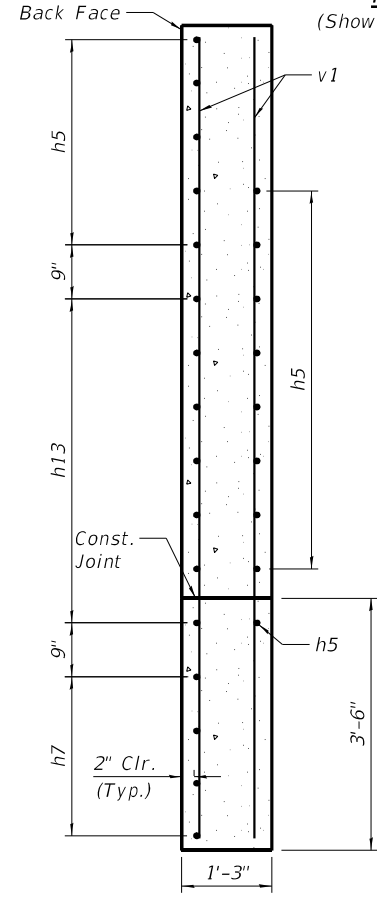
Note: Expansion Bolts shall be 3/4 inch hooked bolts. Hooked bolts shall extend a minimum of 9 inch into the new concrete.



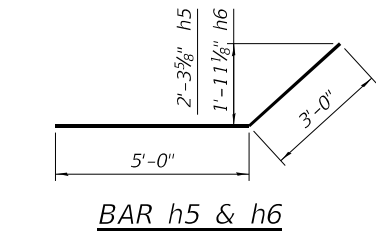
SECTION B-B



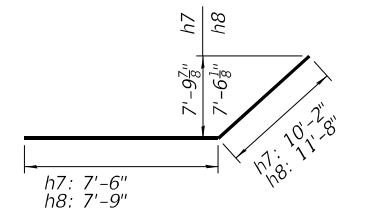
SECTION C-C



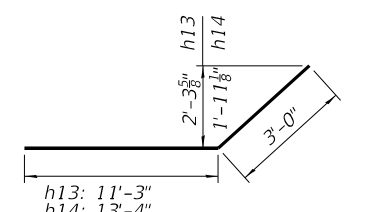
SECTION D-D



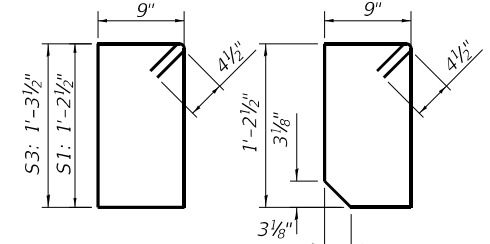
BAR h5 & h6



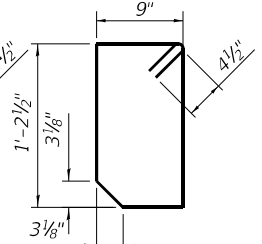
BAR h7, h8



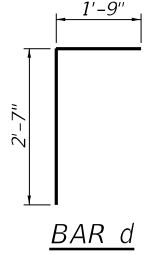
BAR h13, h14



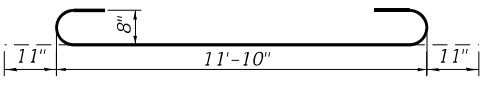
BAR s1, s3



BAR s2



BAR d



BAR a1

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

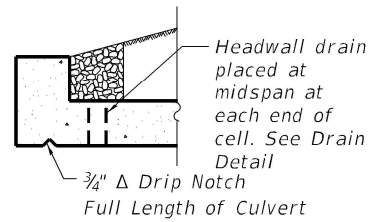
**CULVERT EXTENSION DETAILS
STRUCTURE NO. 025-8701**

SHEET 3 OF 3 SHEETS

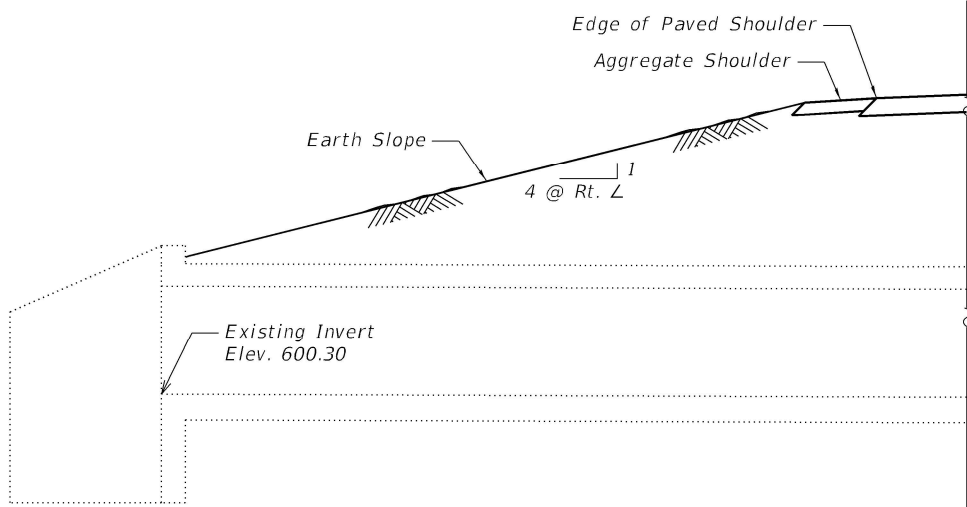
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	328
CONTRACT NO. 74599				

ILLINOIS FED. AID PROJECT

Existing Structure: The existing structure is a ±171'-8" long, reinforced cast-in-place concrete box culvert with a 7'-0" x 3'-0" opening. The original structure was constructed in 1959 and reconstructed at an unknown date.



HEADWALL DETAILS

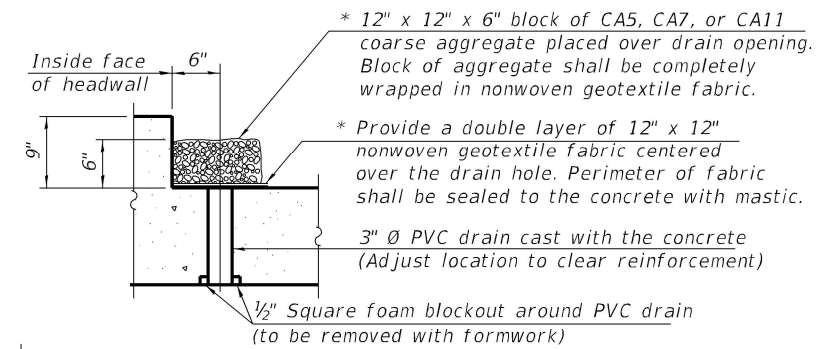


LEFT EXISTING

ELEVATION

* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

(All costs associated with furnishing and constructing the drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



DRAIN DETAIL

GENERAL NOTES

Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of work, however, the Contract will be paid for the quantity furnished at the unit price for the work.

Expansion bolts shall be according to Standard Specification Article 1006.09. Hydraulic information for the existing culvert is not available and a new hydraulic study was not performed. No impacts to the existing hydraulics are expected with the proposed scope of work.

DESIGN SPECIFICATIONS

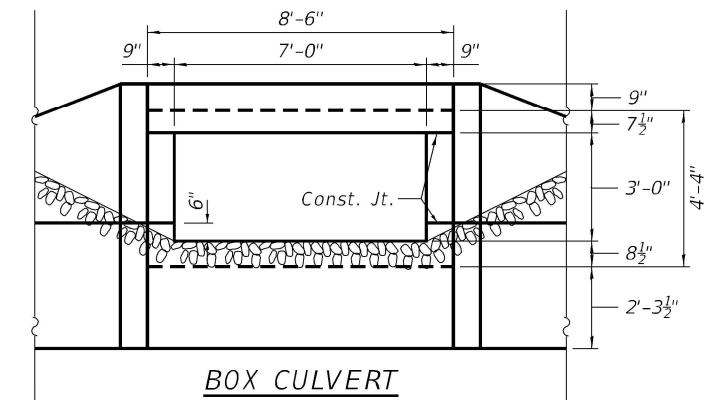
2002 AASHTO Standard Specifications for Highway Bridges

LIVE LOADING

HS20-44 and Alternate Military Vehicle design live load. Allow 50#/sq. ft. for future wearing surface on extension.

DESIGN STRESSES

NEW CONSTRUCTION	EXISTING CONSTRUCTION
f'c = 3,500 psi	f'c = 3,000 psi
fy = 60,000 psi (Reinforcement)	fy = 40,000 psi (Reinforcement)

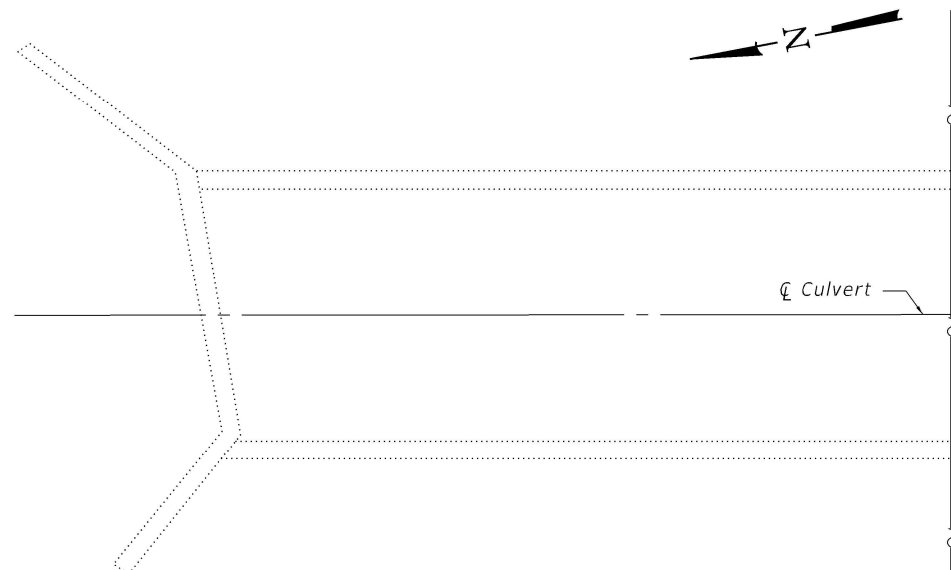


BOX CULVERT END ELEVATION

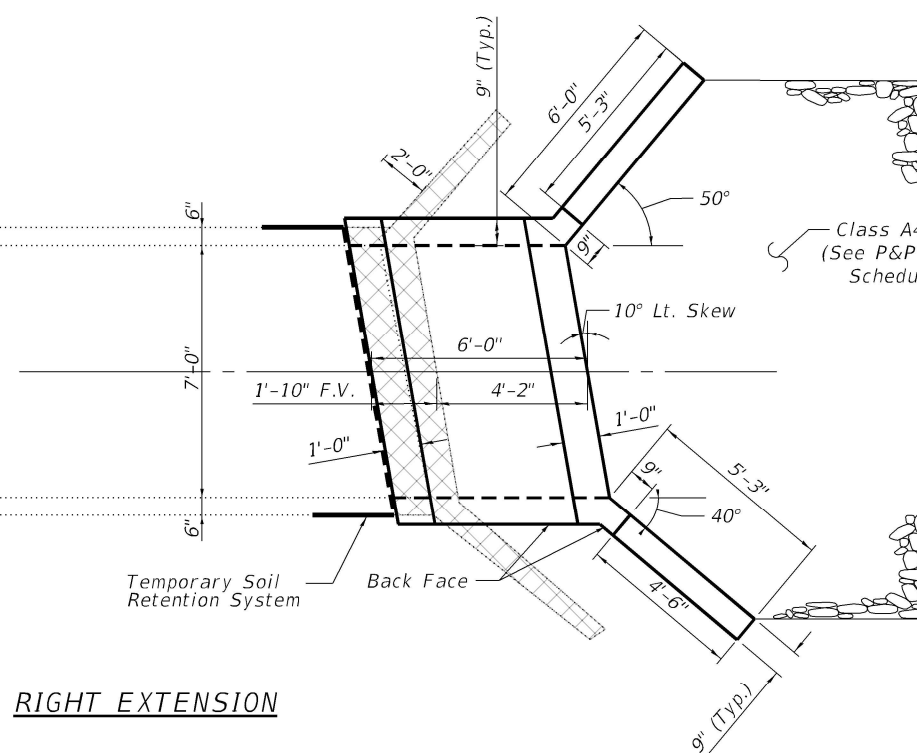


**GENERAL PLAN AND ELEVATION
FAI ROUTE 70 OVER STREAM
STATION 2566+10.00
STRUCTURE NO. 025-8703**

Indicates Structure Removal



LEFT EXISTING



RIGHT EXTENSION

PLAN

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION
STRUCTURE NO. 025-8703**

SHEET 1 OF 3 SHEETS

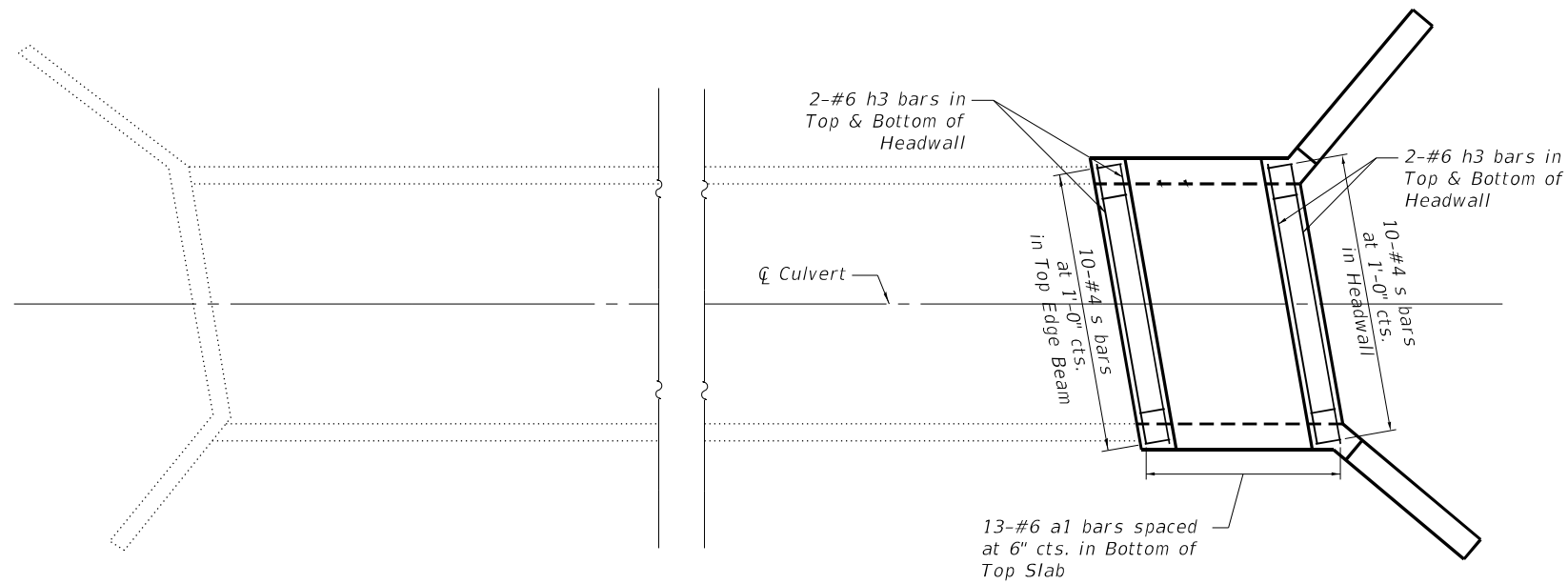
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	329
CONTRACT NO. 74599				

ILLINOIS FED. AID PROJECT

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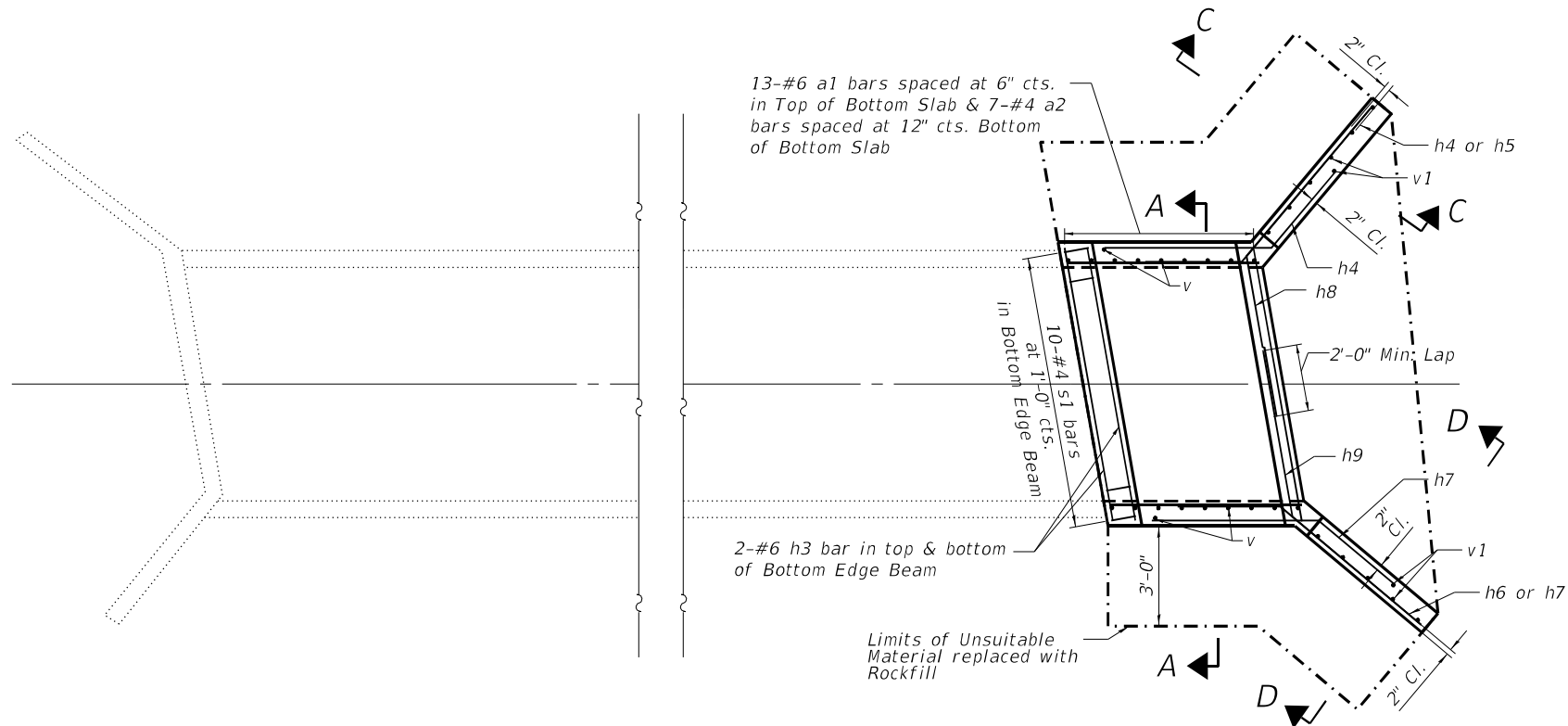


LEFT EXISTING

**PROPOSED PLAN
SHOWING REINFORCEMENT**

(Top Slab, Headwall & Top Edge Beam Reinforcement Shown)
(See Section A-A for h bar spacing)

RIGHT EXTENSION

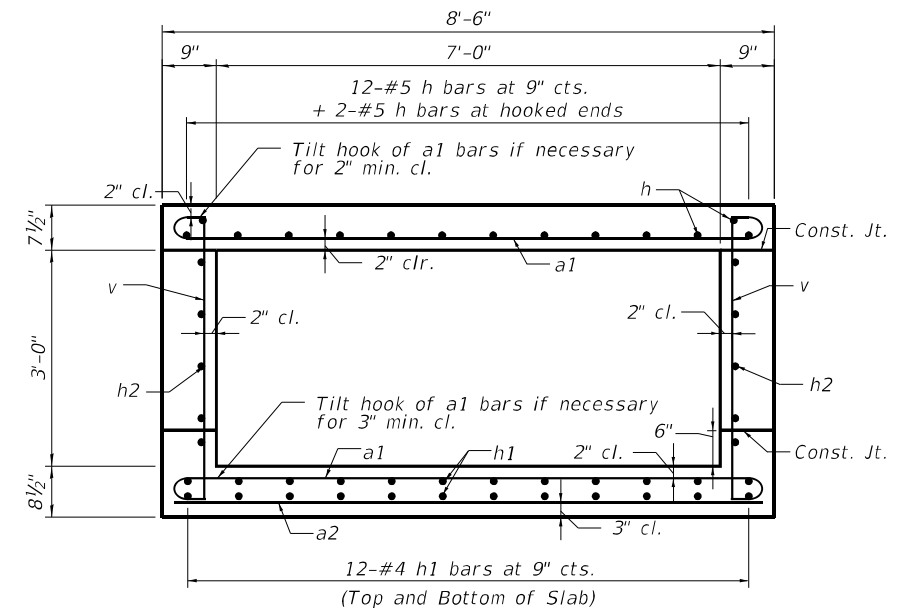


LEFT EXISTING

**PROPOSED PLAN
SHOWING REINFORCEMENT**

(Barrel, Bottom Slab, Bottom Edge Beam & Wing Wall Reinforcement Shown)
(See Section A-A for h1 bar spacing)

RIGHT EXTENSION



SECTION A-A

Notes:
For Section C-C & Section D-D see Sheet 3 of 3.
For Elevation, Bar Bends and Bill of Materials see Sheet 3 of 3.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

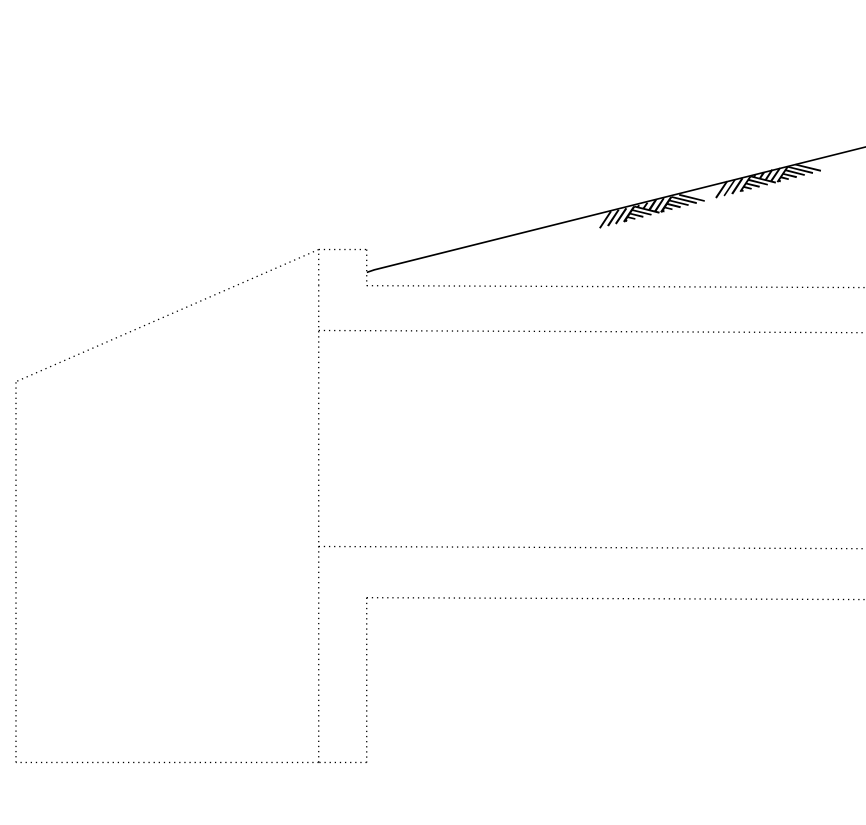
CULVERT EXTENSION DETAILS
STRUCTURE NO. 025-8703

SHEET 2 OF 3 SHEETS

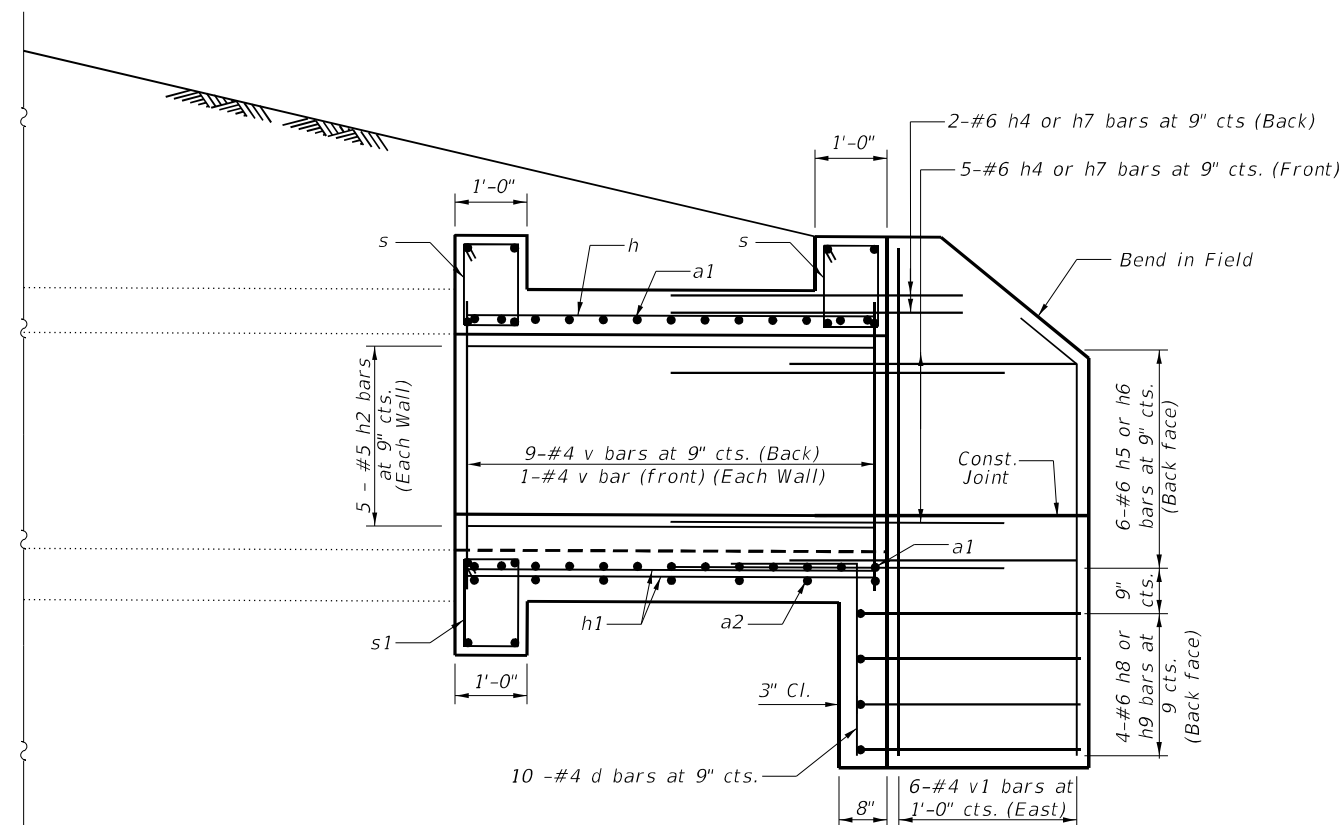
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	330
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
a1	26	#6	9'-6"		
a2	7	#4	8'-2"		
d	10	#4	4'-4"		
h	14	#5	5'-8"		
h1	24	#4	5'-8"		
h2	10	#5	5'-8"		
h3	12	#6	8'-2"		
h4	7	#6	8'-0"		
h5	6	#6	9'-1"		
h6	6	#6	8'-6"		
h7	7	#6	8'-0"		
h8	4	#6	10'-10"		
h9	4	#6	10'-0"		
s	20	#4	4'-6"		
s1	10	#4	4'-8"		
v	20	#4	3'-11"		
v1	13	#4	6'-11"		
Removal & Disposal of Unsuitable Material for Structures				Cu. Yd.	12
Rock Fill				Cu. Yd.	12
Reinforcing Bars				Pound	1,474
Concrete Box Culverts				Cu. Yd.	6.7
3/4" Expansion Bolts				Each	14
Concrete Removal				Cu. Yd.	3.1
Temp. Soil Retention System & Quantity				SFT	33

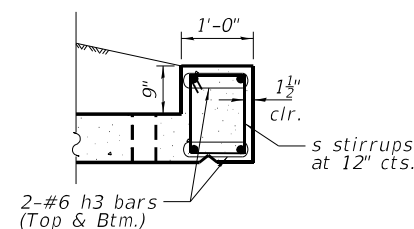


LEFT EXISTING



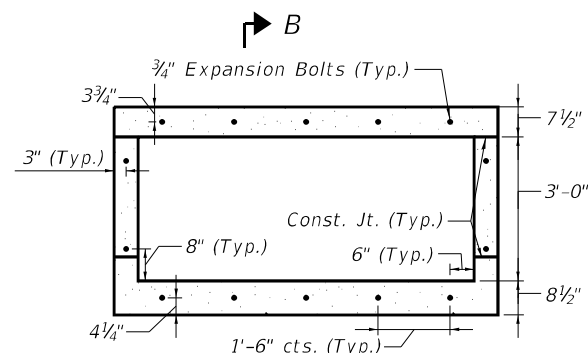
ELEVATION SHOWING REINFORCEMENT

RIGHT EXTENSION



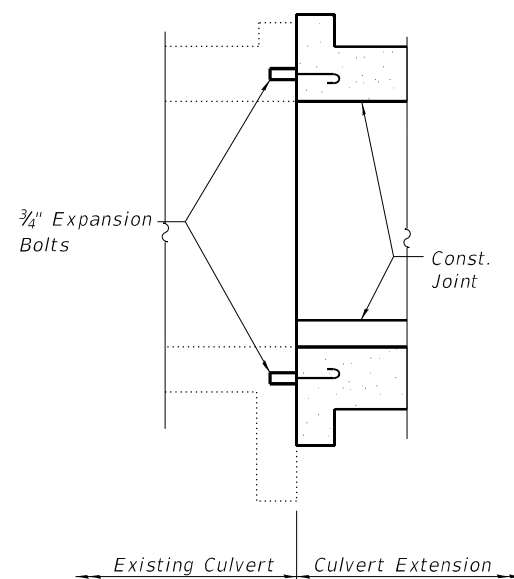
HEADWALL/EDGE BEAM REINFORCEMENT

(Bottom Slab Edge Beam similar with s1 stirrups at 12" cts.)

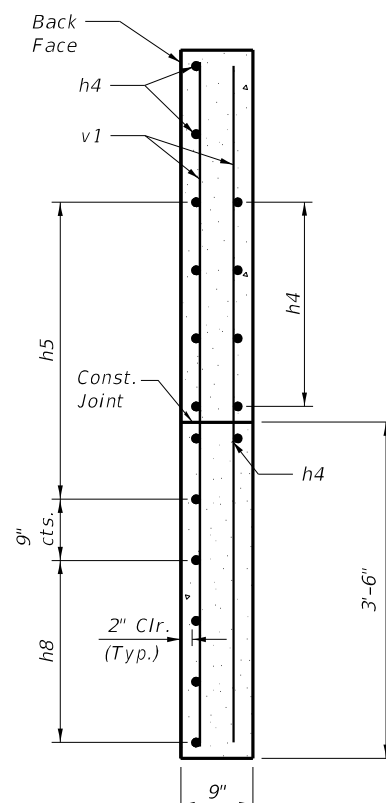


EXPANSION BOLT LAYOUT

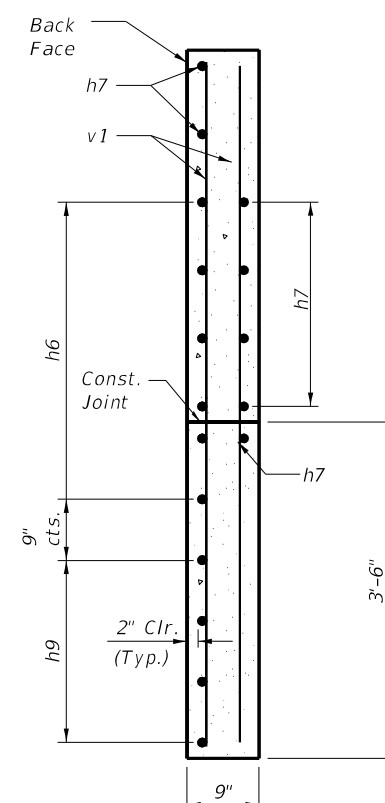
Note: Expansion Bolts shall be 3/4" hooked bolts. Hooked bolts shall extend a minimum of 9" into the new concrete.



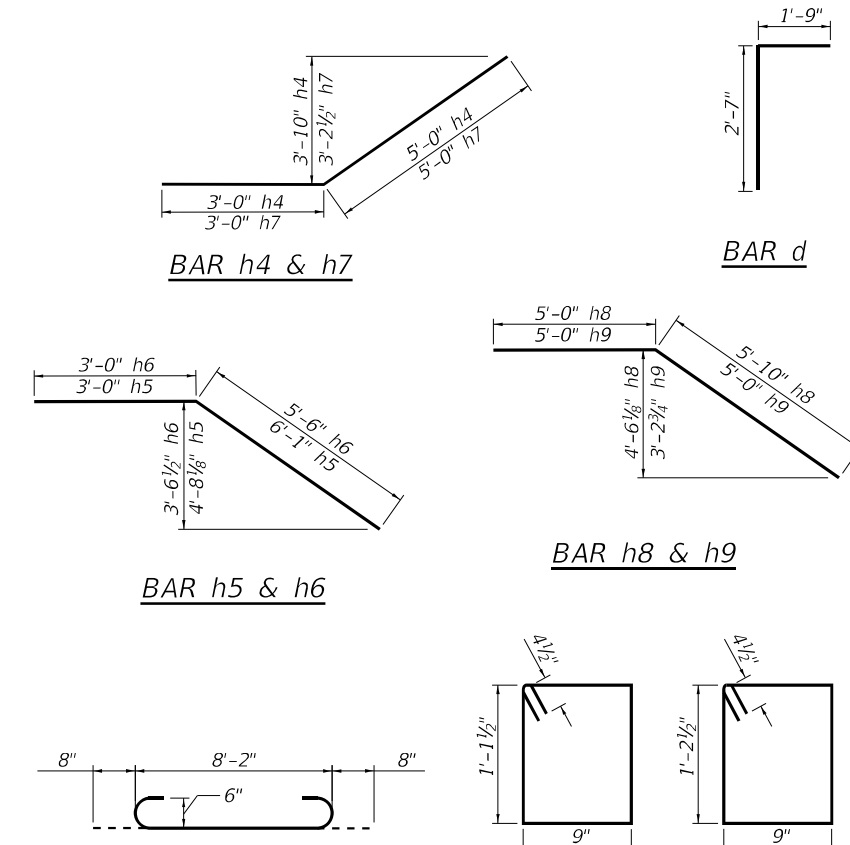
SECTION B-B



SECTION C-C



SECTION D-D



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PLOT DATE =	3/14/2022	DRAWN -	WMB	REVISED -	
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CULVERT EXTENSION DETAILS
STRUCTURE NO. 025-8703**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	331
			CONTRACT NO. 74599	
ILLINOIS FED. AID PROJECT				

Existing Structure: The existing structure is a ±225'-8" long, reinforced cast-in-place concrete box culvert with a 9'-0" x 3'-0" opening. The original structure was constructed in 1960 and reconstructed at an unknown date.

GENERAL NOTES

Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of work, however, the Contractor will be paid for the quantity furnished at the unit price for the work. Hydraulic information for the existing culvert is not available and a new hydraulic study was not performed. No impacts to the existing hydraulics are expected with the proposed scope of work.

DESIGN SPECIFICATIONS

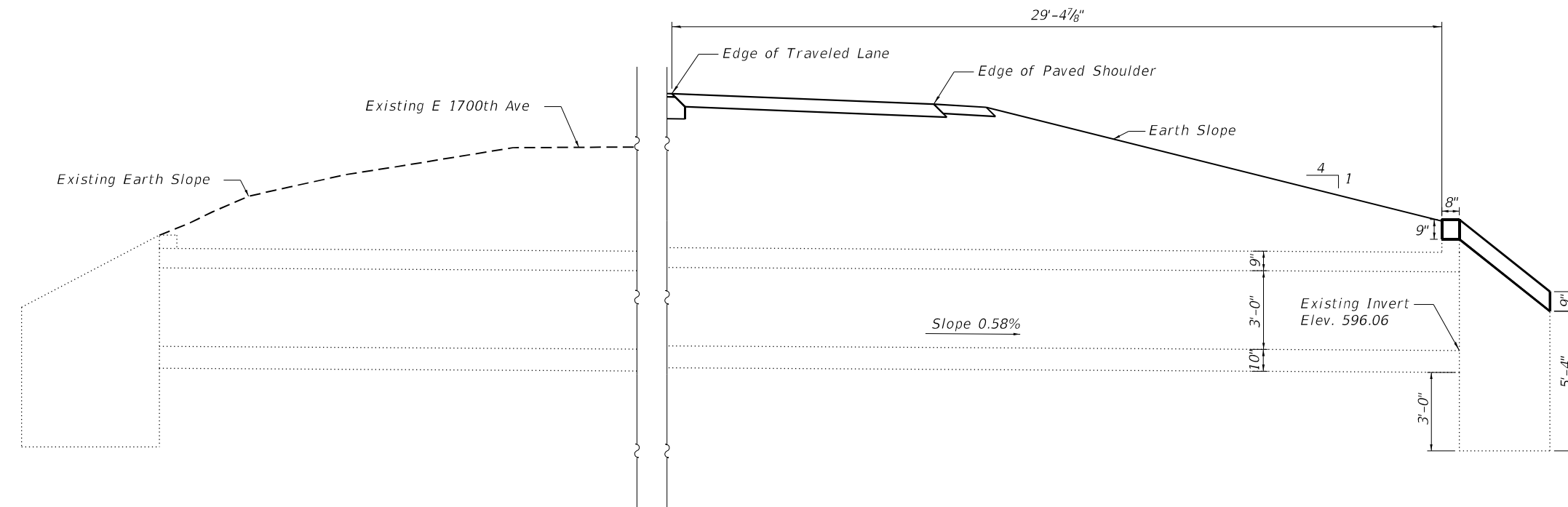
2002 AASHTO Standard Specifications for Highway Bridges

LIVE LOADING

HS20-44 and Alternate Military vehicle loading. Allow 50#/sq. ft. for future wearing surface on extension.

DESIGN STRESSES

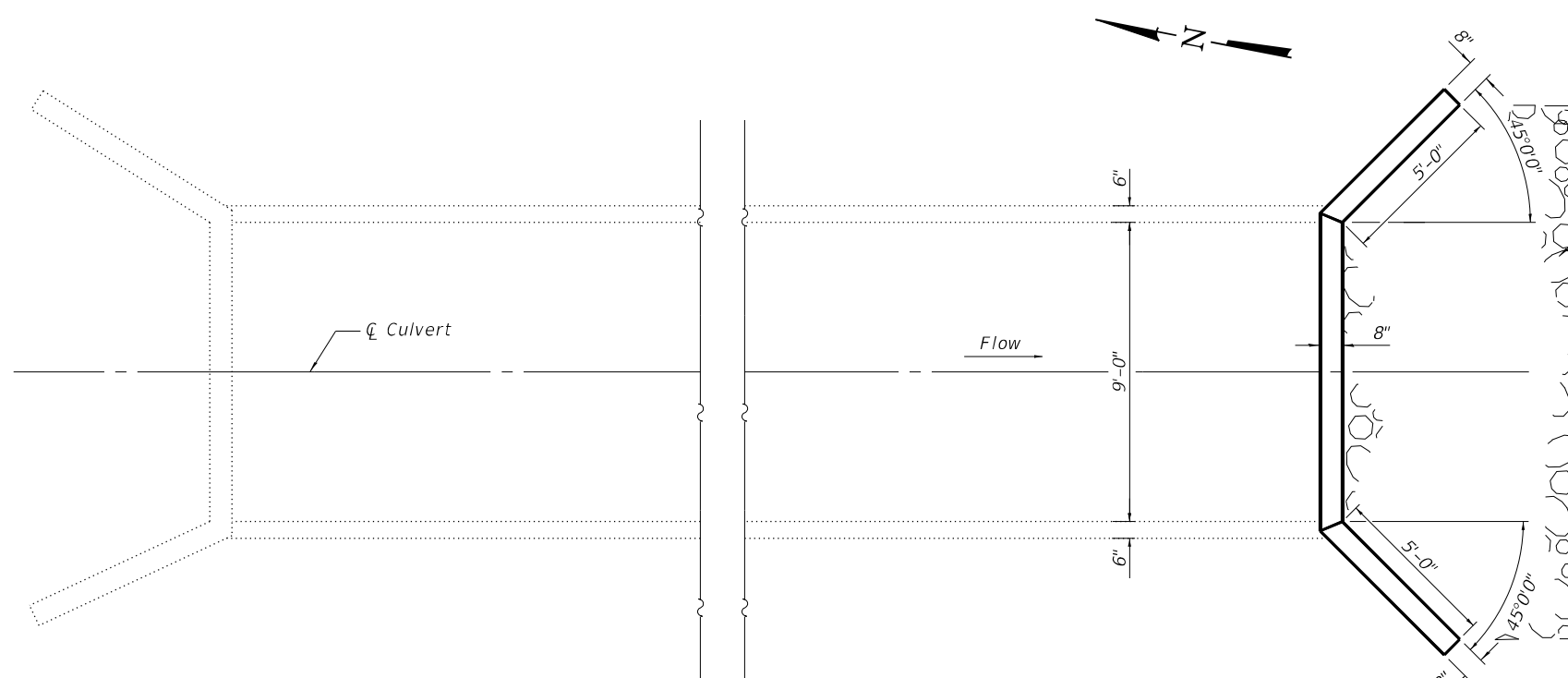
NEW CONSTRUCTION	EXISTING CONSTRUCTION
$f'_c = 3,500$ psi	$f'_c = 3,000$ psi
$f_y = 60,000$ psi (Reinforcement)	$f_y = 40,000$ psi (Reinforcement)



LEFT EXISTING

RIGHT EXTENSION

ELEVATION

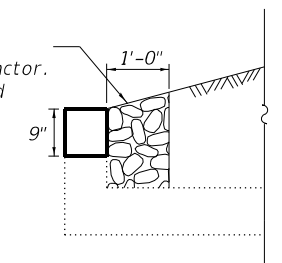


LEFT EXISTING

RIGHT EXTENSION

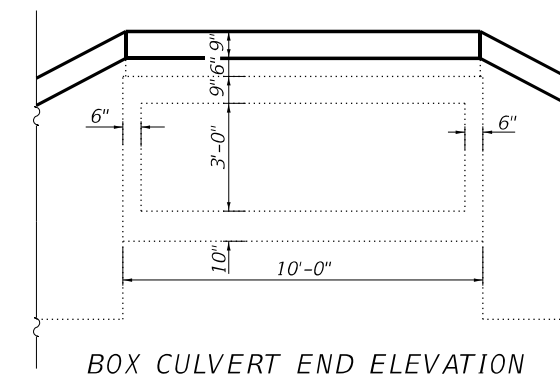
PLAN

Coarse aggregate full length of headwall to be placed by Contractor. Cost included with Headwall and Wingwall Extension.



HEADWALL DETAIL

Class A4 Riprap (See P&P Sheets, Schedule and details)



BOX CULVERT END ELEVATION



**GENERAL PLAN AND ELEVATION
FAI 70 OVER STREAM
STATION 2620+32.00
STRUCTURE NO. 025-8705**

MODEL: Default
FILE NAME: X:\ProductionFiles\2020\420-0053\CADD Drawings\025-8705\SS10 Sheet Files\025-8705-74599-001-GPE.dgn
3/14/2022 3:12:03 PM



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PLOT SCALE =	CHECKED - JMH	REVISED -
PLOT DATE = 3/14/2022	DRAWN - SCC	REVISED -
	CHECKED - REB	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

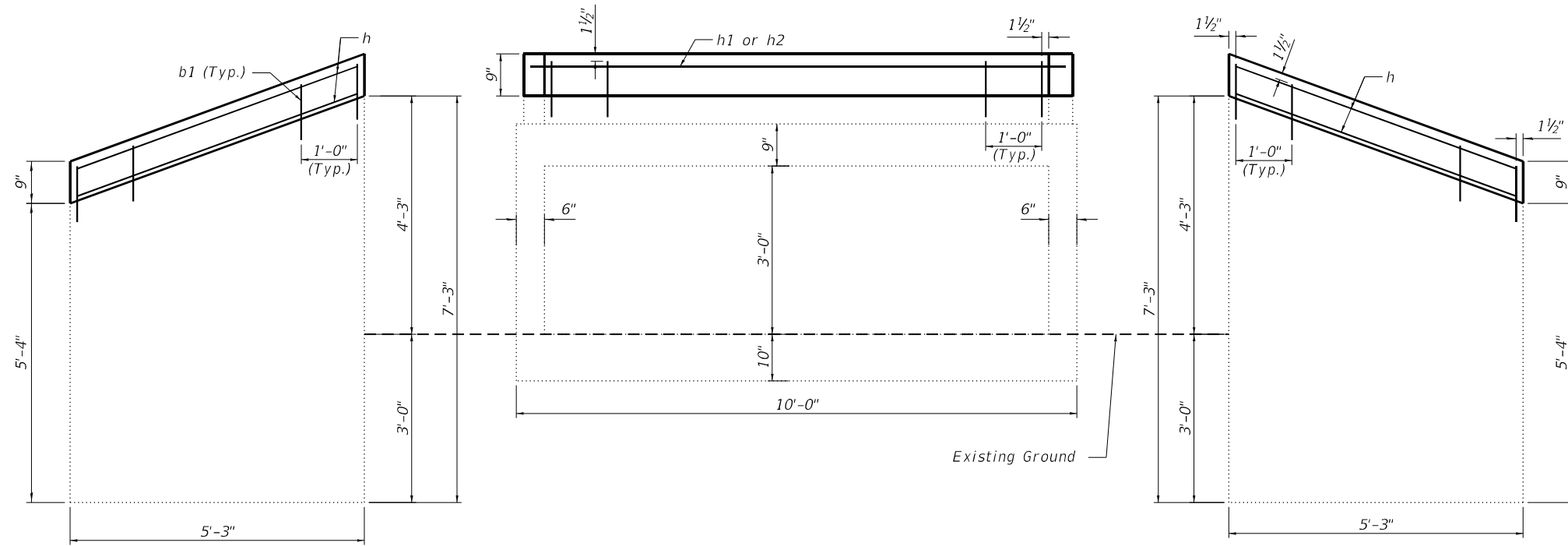
**GENERAL PLAN & ELEVATION
STRUCTURE NO. 025-8705**

SHEET 1 OF 2 SHEETS

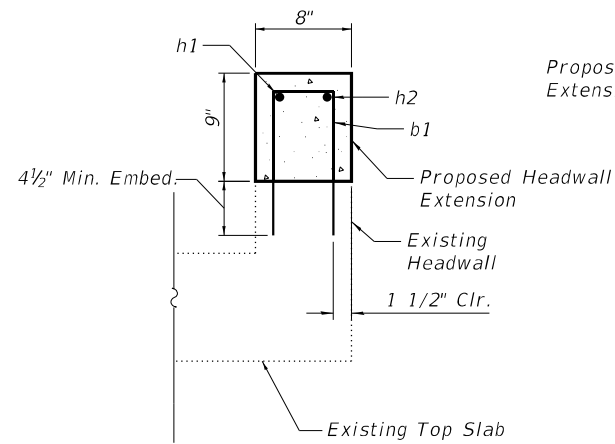
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70	(25-4-1, 25-5)R	EFFINGHAM	790	332
CONTRACT NO. 74599				

ILLINOIS FED. AID PROJECT

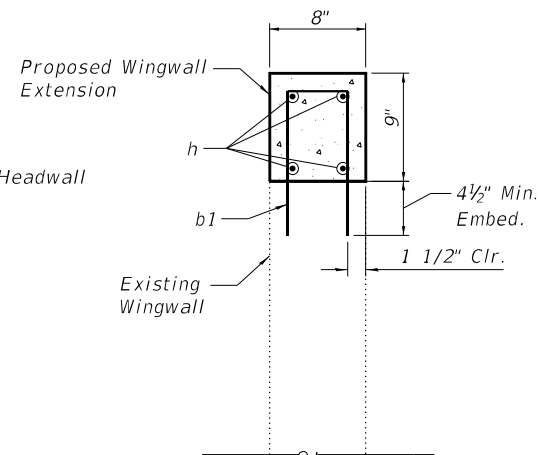
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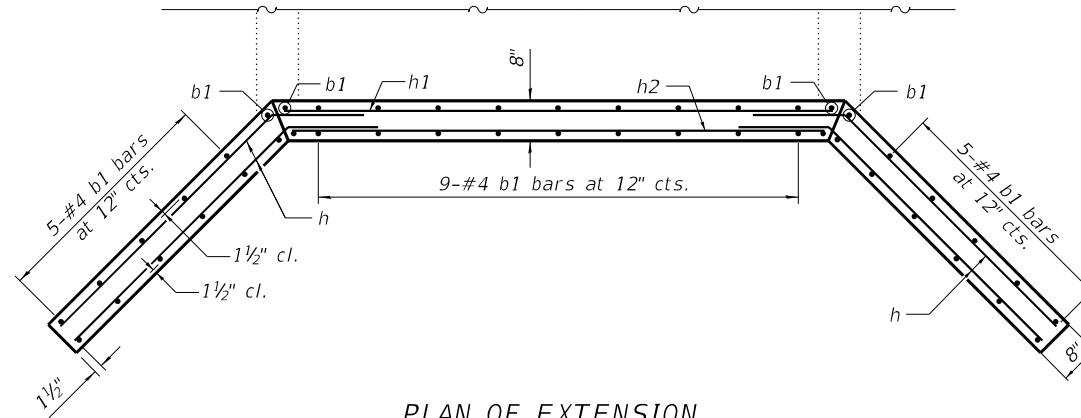
**OUTLET ELEVATION
 SHOWING REINFORCEMENT**



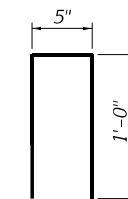
**SECTION THRU
 HEADWALL**



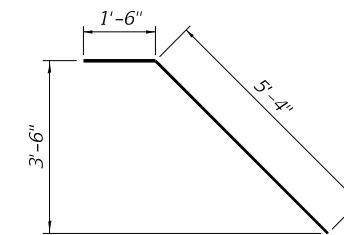
**SECTION THRU
 WINGWALL**



PLAN OF EXTENSION



BAR b1



BAR h

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
b1	23	#4	2'-5"	U
h	8	#4	6'-10"	∟
h1	1	#6	9'-2"	—
h2	1	#6	8'-10"	—
Reinforcing Bars			Pound	103
Concrete Structures			Cu. Yd.	0.4

Note: Bars shall be drilled and grouted according to Section 584 of the Standard Specifications



USER NAME =	PEberhart	DESIGNED -	SCC	REVISED -	
		CHECKED -	JMH	REVISED -	
PLOT SCALE =		DRAWN -	SCC	REVISED -	
PLOT DATE =	3/14/2022	CHECKED -	REB	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**REINFORCEMENT DETAILS
 STRUCTURE NO. 025-8705**

SHEET 2 OF 2 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	333
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

Bench Mark: BM 721 - Chiseled square on the top of center of a box culvert STR# 025-8706 +/- 700' East of CR 13;
Sta. 2641+05, 85' Lt., Elev. = 599.413

Existing Structure: SN 025-8706, built in 1960, is a 12' span by 4' rise cast in place concrete box culvert carrying Unnamed Ditch under F.A.I. 70 (I-70). Originally built as separate culverts under each direction of traffic, the individual structures were combined into a single culvert at an unknown date. Existing structure has a skew of 45 degrees. Out-to-out headwall length = ±244'-4". Top slab thickness of 11½" and bottom slab thickness of 12½" with 6" thick walls. Approximately 4' of fill below existing pavement. Traffic shall be maintained with crossover utilizing stage construction.

No salvage.

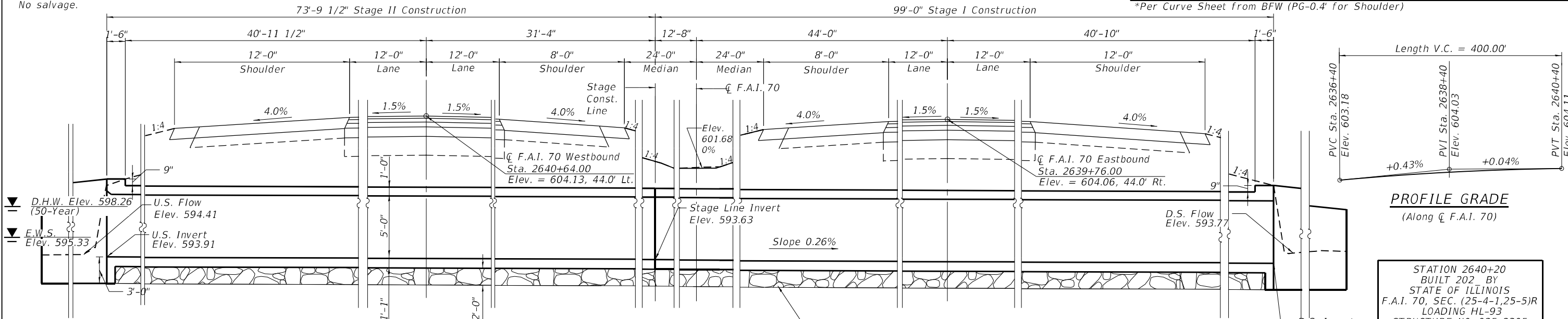
INDEX OF SHEETS

1. General Plan & Elevation
2. Stage Construction Details
3. Top Slab Details
4. Bottom Slab Details
- 5-6. Culvert Details
7. Bar Splicer Assembly Details
- 8-9. Boring Sheets

WATERWAY INFORMATION

Drainage Area = 0.62 Mi ²			Existing Overtopping Elev.: 603.05 at Sta. 2640+20 Proposed Overtopping Elev.*: 602.26 at Sta. 2633+99						
Flood	Freq. Yr.	Q C.F.S.	Opening Ft ²		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Ten-Year	10	217	48	80	597.66	0.55	0.53	598.21	598.19
Design	50	347	48	80	598.26	1.41	0.94	599.67	599.20
Base	100	405	48	80	598.50	1.99	1.28	600.49	599.78
Scour	200	465	48	80	598.72	2.70	1.79	601.42	600.51
Max.	500	546	48	80	598.99	3.84	2.58	602.83	601.57

*Per Curve Sheet from BFW (PG-0.4' for Shoulder)

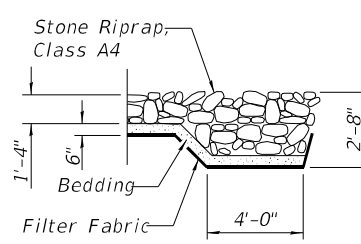


LONGITUDINAL SECTION

(Horizontal dimensions measured perpendicular to C.F.A.I. 70)
(Looking East)

Excavate 2'-0" below proposed. Quantified as Removal and Disposal of Unsuitable Materials For Structures. Replace with Rockfill. (Typ.)*

*The Rockfill shall be capped with 6 in. of CA7 and satisfy the Standard Specifications unless otherwise indicated in the Special Provisions. The cost of the capping material shall be included in the pay item for Rockfill.



SECTION A-A

DESIGN SPECIFICATIONS
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

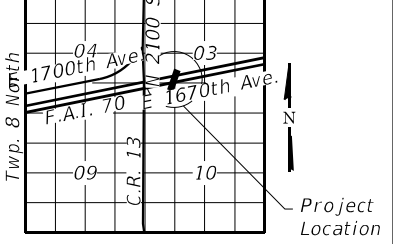
DESIGN STRESSES
FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

LOADING HL-93

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

LOCATION SKETCH



GENERAL PLAN AND ELEVATION

I-70 OVER UNNAMED DITCH

F.A.I. I-70 SECTION (24-4-1, 25-5)R

EFFINGHAM COUNTY

STATION 2640+20

STRUCTURE NO. 025-8305



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PLOT DATE = 4/22/2022	DRAWN - PRE	REVISD -
	CHECKED - REB	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

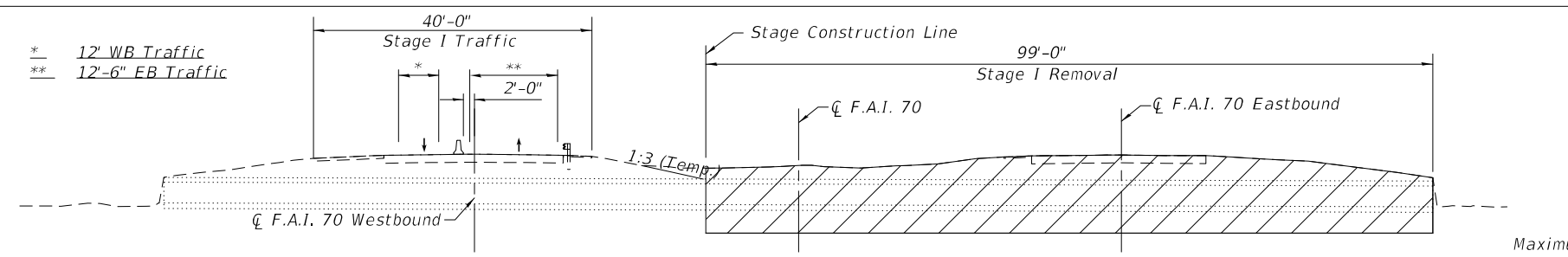
GENERAL PLAN & ELEVATION
STRUCTURE NO. 025-8305

SHEET 1 OF 9 SHEETS

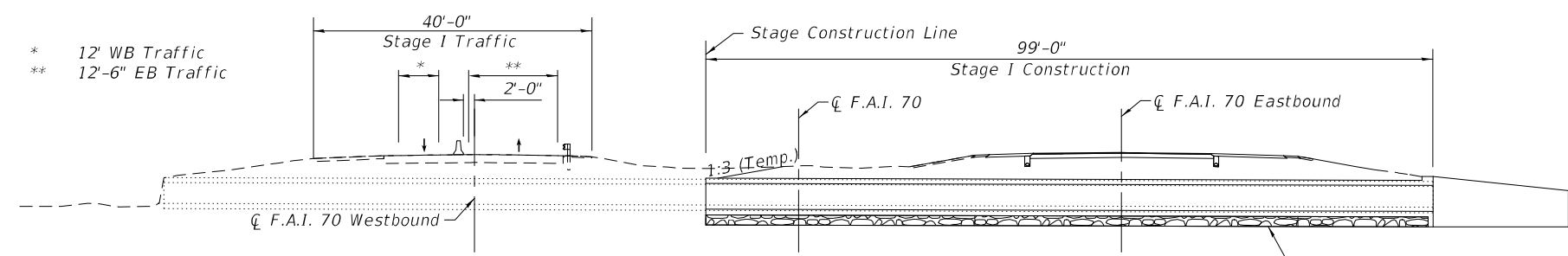
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74599				

ILLINOIS FED. AID PROJECT

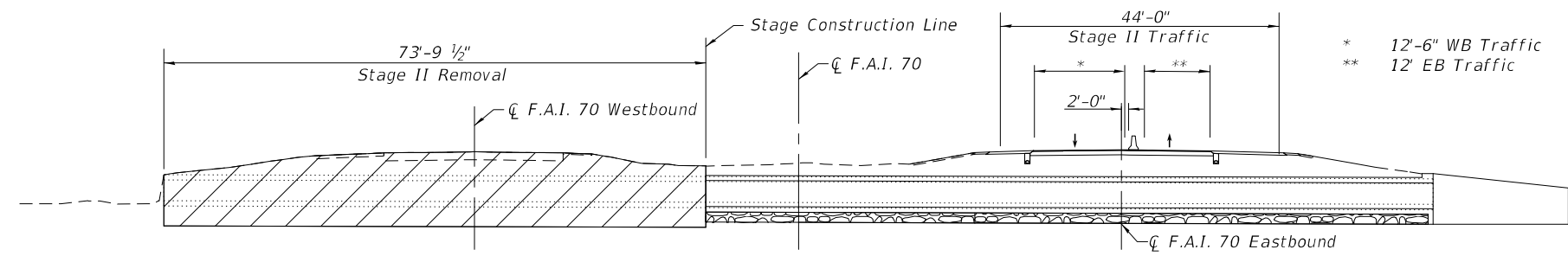
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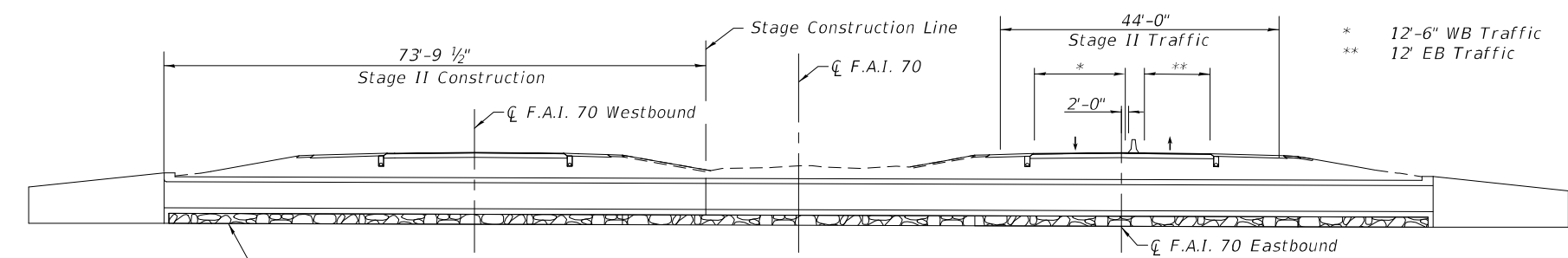
STAGE I REMOVAL
 (Horizontal dimensions measured perpendicular to \bar{C} F.A.I. 70)



STAGE I CONSTRUCTION
 (Horizontal dimensions measured perpendicular to \bar{C} F.A.I. 70)

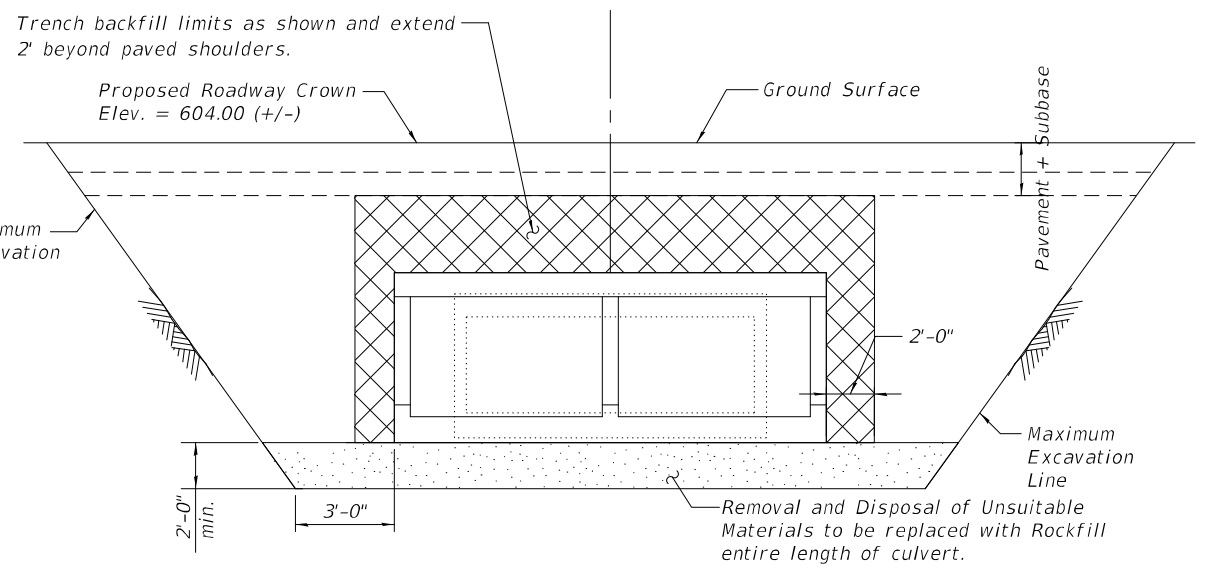


STAGE II REMOVAL
 (Horizontal dimensions measured perpendicular to \bar{C} F.A.I. 70)



STAGE II CONSTRUCTION
 (Horizontal dimensions measured perpendicular to \bar{C} F.A.I. 70)

Notes:
 All Stage Construction sections shown are looking East.
 Hatched areas indicate Removal of Existing Structure. Only the barrel of the existing structure is shown for clarity.



CULVERT BACKFILL LIMITS
 (Looking upstream)

STAGE I REMOVAL AND BACKFILL QUANTITIES

Trench Backfill	Cu. Yd.	216
Rockfill	Cu. Yd.	271
Removal and Disposal of Unsuitable Material For Structures	Cu. Yd.	271

STAGE II REMOVAL AND BACKFILL QUANTITIES

Trench Backfill	Cu. Yd.	166
Rockfill	Cu. Yd.	208
Removal and Disposal of Unsuitable Material For Structures	Cu. Yd.	208

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	147
Filter Fabric	Sq. Yd.	147
Removal of Existing Structures No.1	Each	1
Removal and Disposal of Unsuitable Material For Structures	Cu. Yd.	479
Reinforcement Bars	Pound	133,030
Trench Backfill	Cu. Yd.	382
Bar Splicers	Each	100
Name Plate	Each	1
Concrete Box Culverts	Cu. Yd.	454
Rockfill	Cu. Yd.	479

GENERAL NOTES

- The minimum 2'-0" removal of unsuitable materials shall be replaced with Rock Fill.
- Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- Precast alternative is not allowed.
- The actual depth of removal and replacement should be adjusted during construction based on dynamic cone penetration (DCP) test or other acceptable measures. If the IBV is determined to be less than 1, then Biaxial Geogrid will be used at the base of the rock excavation. The limits and quantities of removal and replacement shown are estimated and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field. Please contact the District Geotechnical Engineer prior to starting excavation for the box culvert.



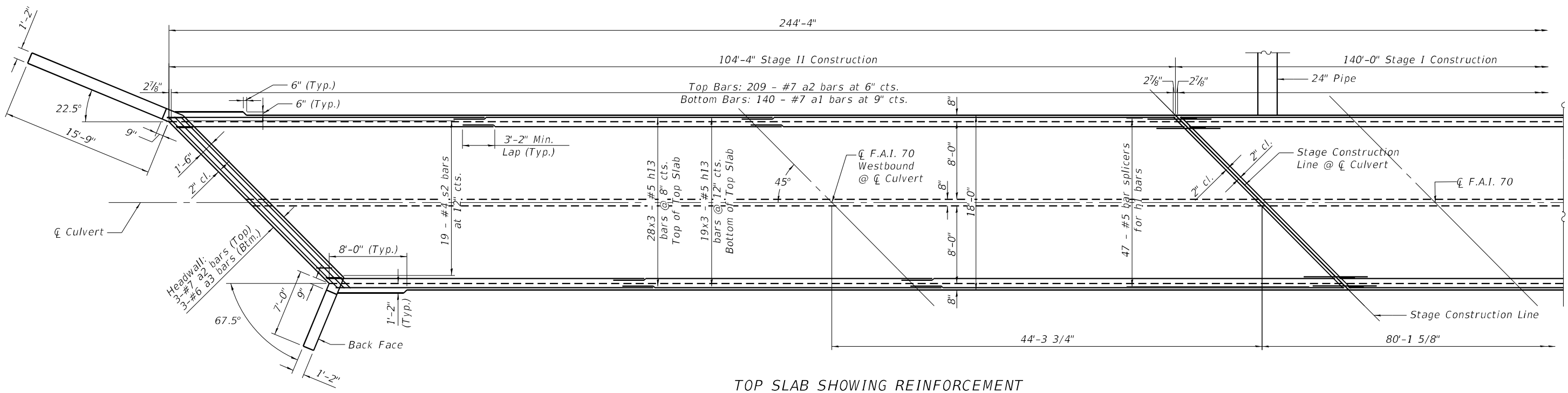
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**STATE OF ILLINOIS
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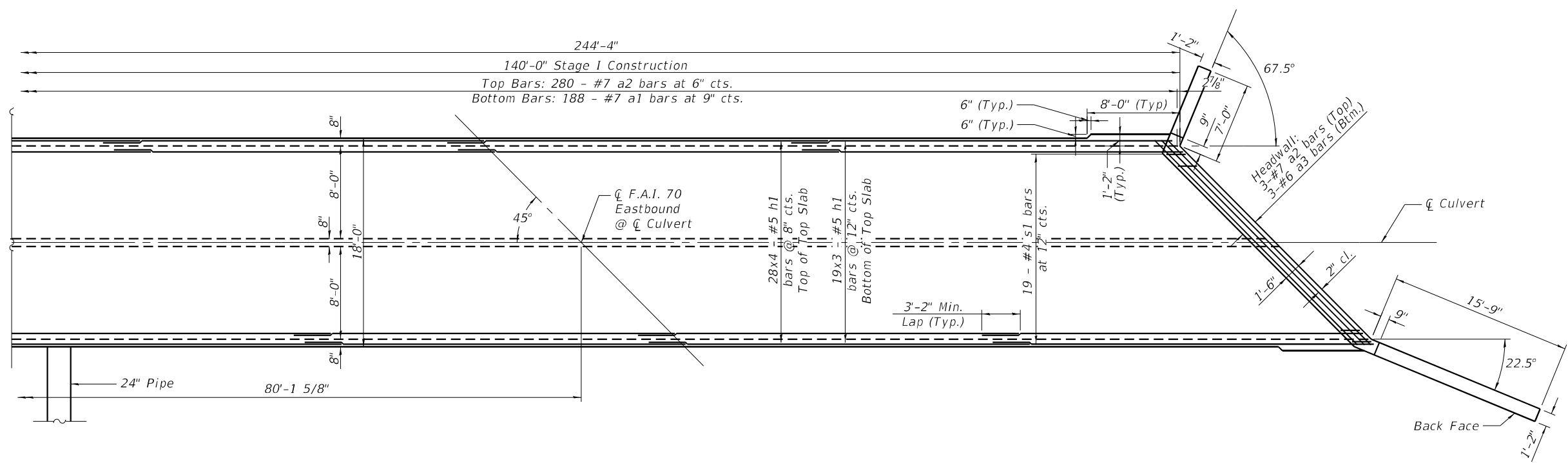
**GENERAL DATA & STAGE CONSTRUCTION DETAILS
 STRUCTURE NO. 025-8305**

SHEET 2 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	335
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				



TOP SLAB SHOWING REINFORCEMENT
(See Bottom Slab Details Sheet for Wingwall Reinforcement)



TOP SLAB SHOWING REINFORCEMENT
(See Bottom Slab Details Sheet for Wingwall Reinforcement)

Notes:
A distance of half of the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.

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PLOT DATE =	4/22/2022	CHECKED -	REB	REVISED -	

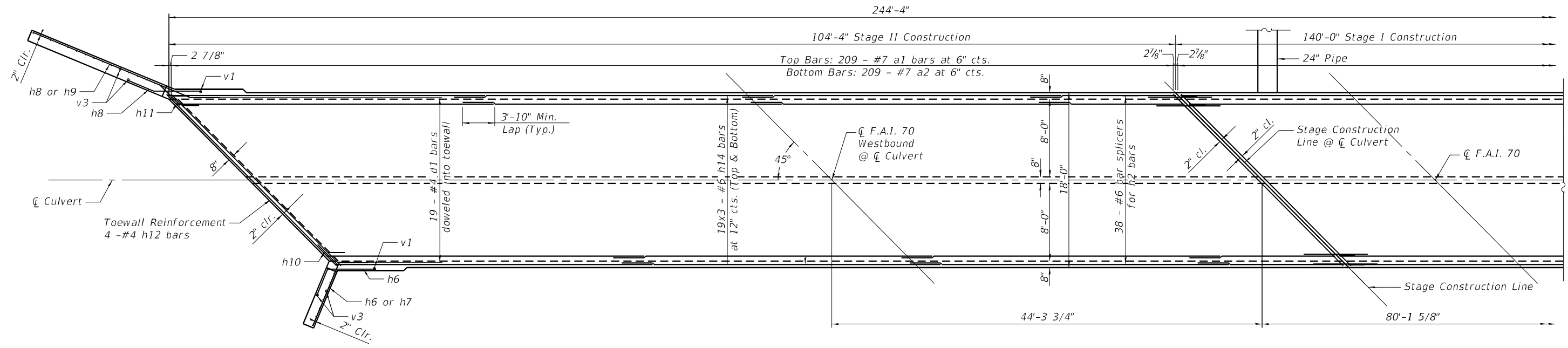
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP SLAB DETAILS
STRUCTURE NO. 025-8305**

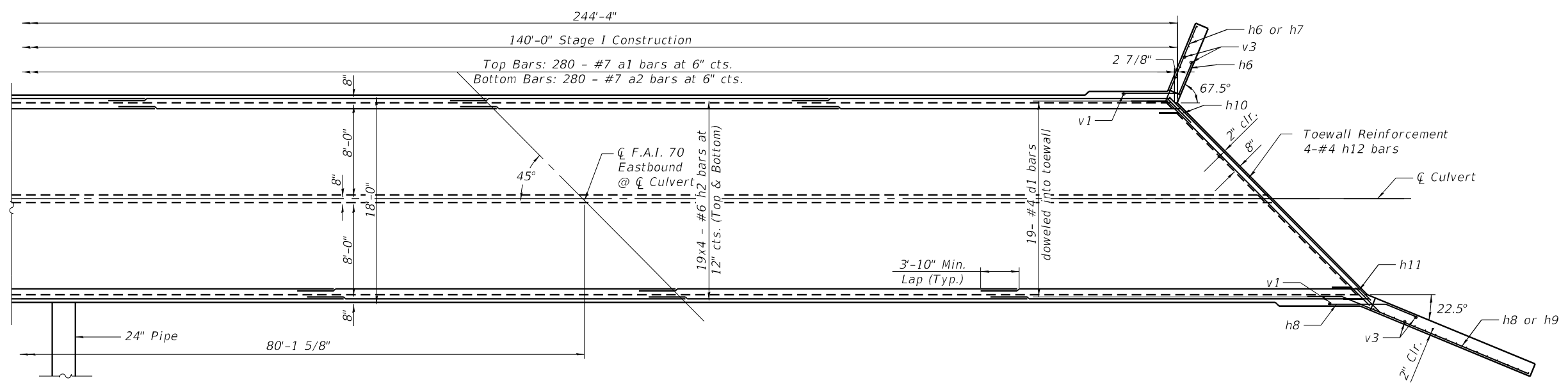
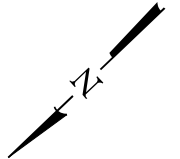
SHEET 3 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	336
CONTRACT NO. 74599				

ILLINOIS FED. AID PROJECT



BOTTOM SLAB SHOWING REINFORCEMENT



BOTTOM SLAB SHOWING REINFORCEMENT

Notes:
 A distance of half of the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.

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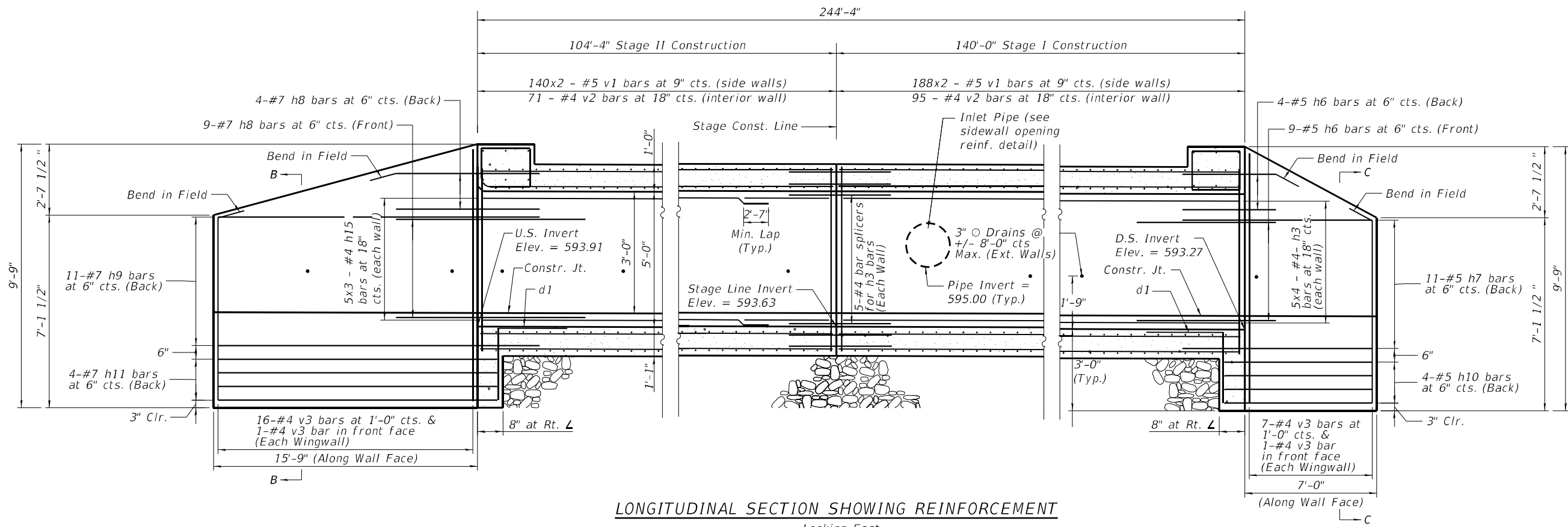
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BOTTOM SLAB DETAILS
 STRUCTURE NO. 025-8305**

SHEET 4 OF 9 SHEETS

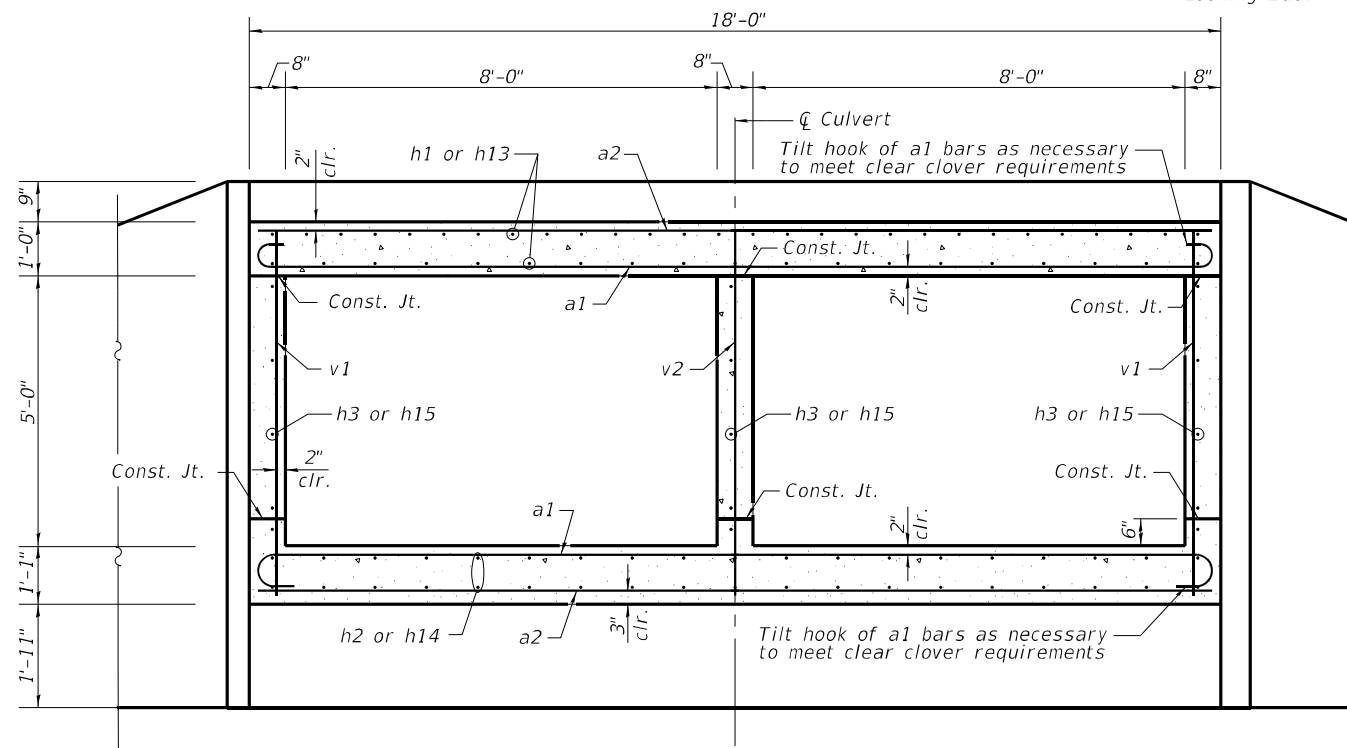
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CONTRACT NO. 74599				

ILLINOIS FED. AID PROJECT



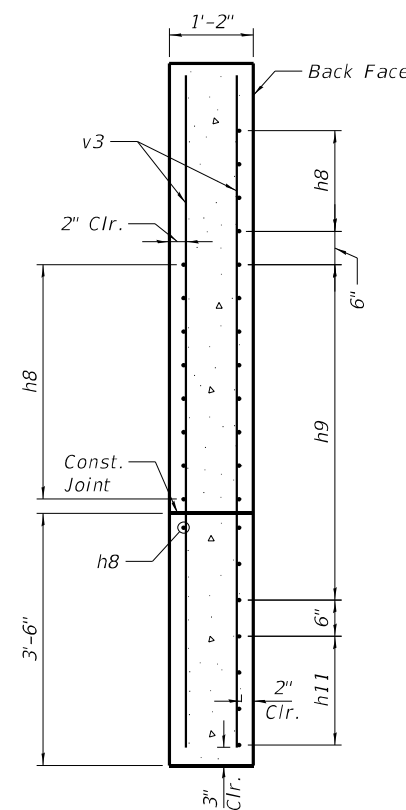
LONGITUDINAL SECTION SHOWING REINFORCEMENT

Looking East

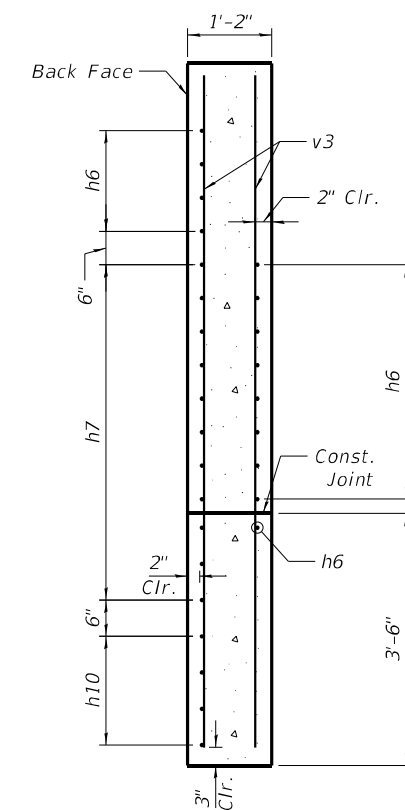


SECTION THRU BARREL

Symmetrical about \bar{C} Culvert



SECTION B-B



SECTION C-C

Notes:
Bars indicated thus 12x4 - #5 etc. indicates 12 lines of bars with 4 lengths per line.

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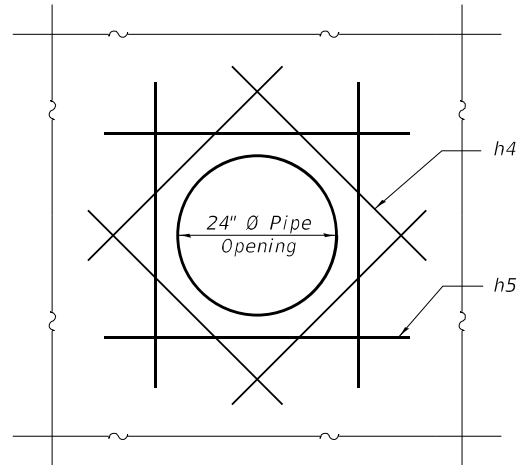
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
STRUCTURE NO. 025-8305

SHEET 5 OF 9 SHEETS

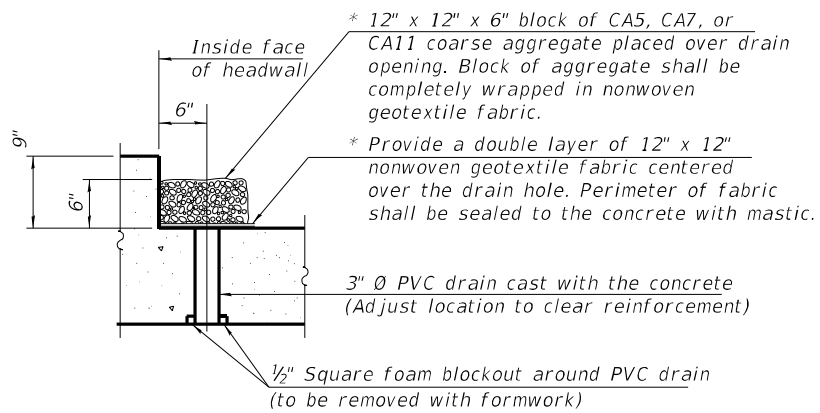
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CONTRACT NO. 74599				

ILLINOIS FED. AID PROJECT



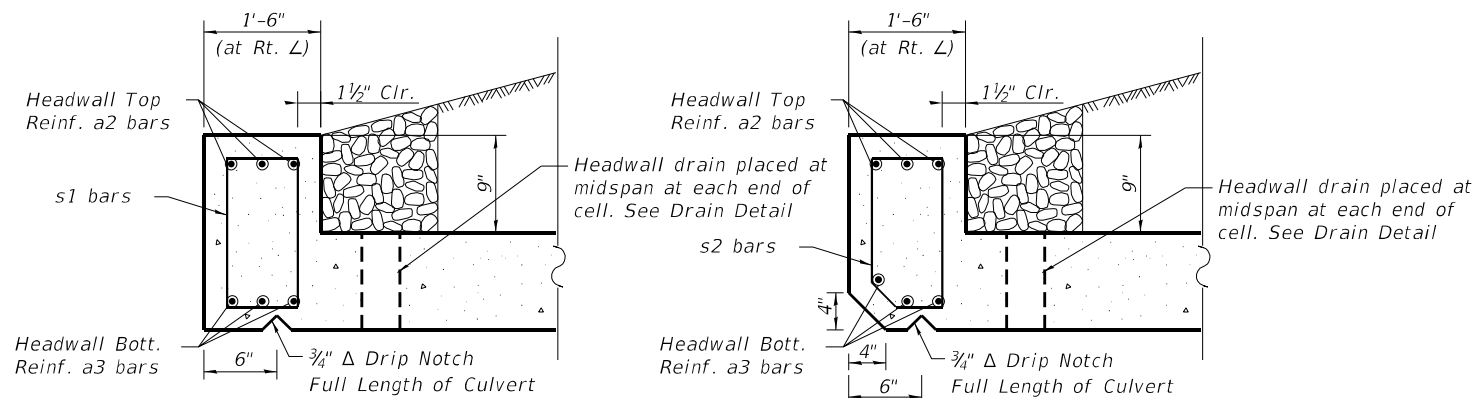
SIDEWALL OPENING REINFORCING DETAIL

* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.



DRAIN DETAIL

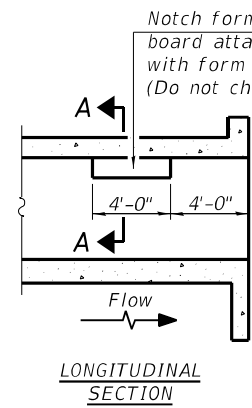
(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



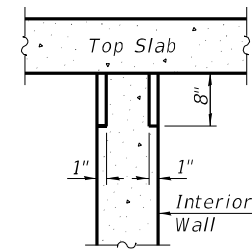
DOWNSTREAM END

UPSTREAM END

HEADWALL DETAILS

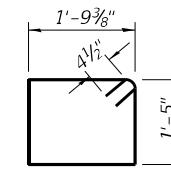


LONGITUDINAL SECTION

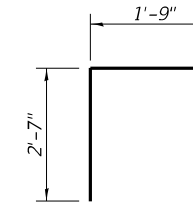


SECTION A-A

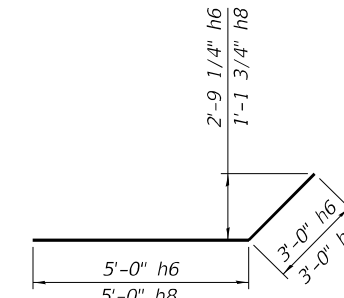
PHOEBE NESTING SITE DETAILS (Downstream End Only)



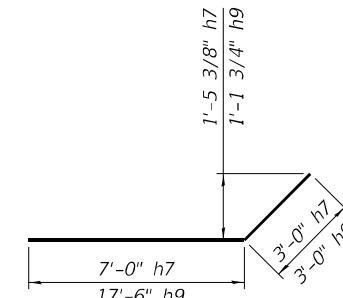
BAR s1



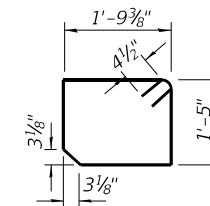
BAR d1



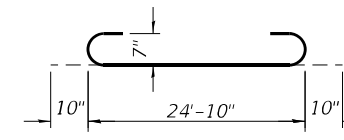
BAR h6 & h8



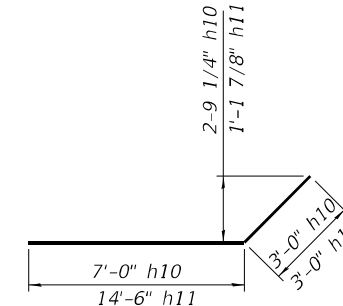
BAR h7 & h9



BAR s2



BAR a1



BAR h10 & h11

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	817	#7	26'-6"	U
a2	984	#7	24'-10"	U
a3	6	#6	24'-10"	U
d1	38	#4	4'-4"	U
h1	188	#5	37'-3"	U
h2	152	#6	37'-9"	U
h3	60	#4	36'-10"	U
h4	8	#5	3'-0"	U
h5	8	#5	8'-0"	U
h6	26	#5	8'-0"	U
h7	22	#5	10'-0"	U
h8	26	#7	8'-0"	U
h9	22	#7	20'-6"	U
h10	8	#5	10'-0"	U
h11	8	#7	17'-6"	U
h12	8	#4	25'-0"	U
h13	141	#5	36'-9"	U
h14	114	#6	37'-2"	U
h15	45	#4	36'-4"	U
s1	19	#4	7'-2"	U
s2	19	#4	7'-0"	U
v1	660	#5	6'-8"	U
v2	166	#4	6'-8"	U
v3	50	#4	9'-4"	U
Concrete Box Culverts		Cu. Yd.	454	✓
Reinforcement Bars		Pound	133,030	✓

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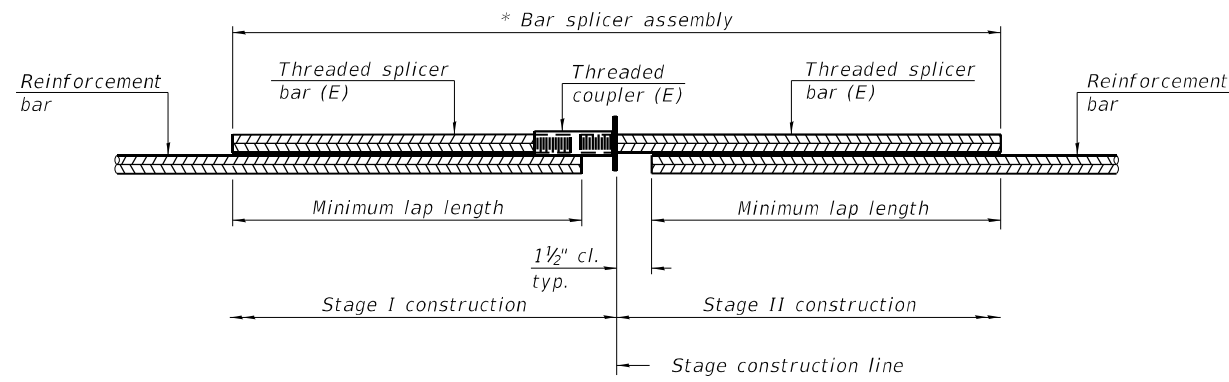


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PLOT DATE =	4/22/2022	CHECKED -	REB	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CULVERT DETAILS
STRUCTURE NO. 025-8305**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	339
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

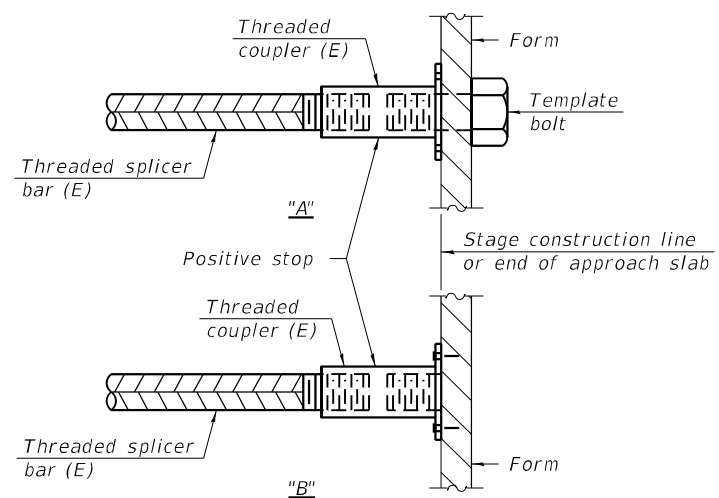


STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

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

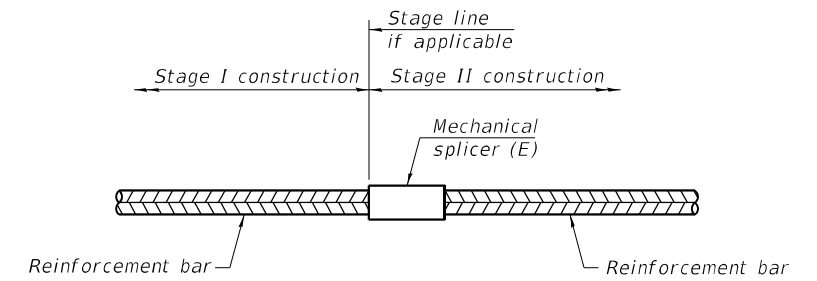
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Sidewall at Stage Line	#4	15	5'-5"
Top Slab at Stage Line	#5	47	6'-7"
Bottom Slab at Stage Line	#6	38	7'-11"



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

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: Default
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BSD-1 1-1-2020



USER NAME= PEberhart	DESIGNED - YSE	REVISIONS -
	CHECKED - WMB	REVISIONS -
PLOT SCALE=	DRAWN - PRE	REVISIONS -
PLOT DATE = 4/22/2022	CHECKED - REB	REVISIONS -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 025-8305

SHEET 7 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	340
				CONTRACT NO. 74599

ILLINOIS FED. AID PROJECT



SOIL BORING LOG

ROUTE FAI 70 (I-70) DESCRIPTION I-70 over Unnamed Ditch LOGGED BY E. Sandschafer

SECTION (25-4-1, 25-5)R LOCATION SWC, SEC. 3, TWP. 8N, RNG. 7E, 3rd PM,

Latitude N 39.164004, Longitude W 88.413959

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER Auto ETR = 91.8% @ 57.4

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	D E U M				Surface Water Elev.	D E U M				Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.
						(ft)	(/6")	(tsf)	(%)		(ft)	(/6")	(tsf)	(%)						
025-8706 (E)	2640+20	B1 (WBDL Shoulder)	2641+14	18.0 ft LT of WB Centerline	603.40									Unknown	Unknown	578.9	Dry	24		
10-inch Asphalt over 6-inch Aggregate Base																				
602.10																				
Grey, CLAY LOAM																				
3																				
5 1.5 11																				
3																				
Stiff, moist																				
Hole caved, rock stuck in sampler																				
598.90																				
Stiff, moist, grey, CLAY with silt																				
-5 2																				
3 1.4 24																				
4 3																				
3																				
4 1.7 22																				
5 3																				
-10 1																				
2 1.3 28																				
3 3																				
1																				
2 1.8 23																				
3 3																				
-15 1																				
1 0.9 26																				
2 3																				
1																				
1 1.0 22																				
2 3																				
-20 WH																				
-40																				
Loose to medium dense, wet, grey, fine grained, SAND with silt																				
580.40																				
8 1.2 15																				
8 B																				
Grey, CLAY (fill)																				
577.90																				
5 3.0 5																				
577.40																				
11 P																				
Benchmark: BM 721 - Chiseled Square on Top Center of Box Culvert, SN 025-8706 approximately 700 feet East of CR 13, Sta. 2641+05, 85 feet LT, Elevation = 599.413 feet. End of Boring																				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimatec)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), WH-Weight of Hammer, NT-Not Tested.

BBS, form 137 (Rev. 8-99)



SOIL BORING LOG

ROUTE FAI 70 (I-70) DESCRIPTION I-70 over Unnamed Ditch LOGGED BY E. Sandschafer

SECTION (25-4-1, 25-5)R LOCATION SWC, SEC. 3, TWP. 8N, RNG. 7E, 3rd PM,

Latitude N 39.163566, Longitude W 88.414536

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER Auto ETR = 91.8% @ 57.4

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	D E U M				Surface Water Elev.	D E U M				Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.
						(ft)	(/6")	(tsf)	(%)		(ft)	(/6")	(tsf)	(%)						
025-8706 (E)	2640+20	B2 (EBDL Shoulder)	2639+31	18.0 ft RT of EB Centerline	603.51									Unknown	Unknown	586.5	Dry	24		
10-inch Asphalt over 8-inch Aggregate Base																				
602.01																				
Grey, CLAY																				
1																				
3 4.5 12																				
3 P																				
Hard, moist																				
Very stiff																				
-5 1																				
3 2.7 20																				
4 B																				
2																				
2 1.5 27																				
3 B																				
-10 1																				
2 1.2 30																				
2 B																				
WH																				
2 1.6 23																				
3 B																				
589.01																				
Stiff, moist, brown, CLAY LOAM																				
-15 1																				
2 1.2 19																				
2 B																				
587.61																				
SAND																				
586.5																				
Stiff, moist, brown, CLAY LOAM																				
WH																				
3 1.2 19																				
2 B																				
584.01																				
583.51 -20																				
1																				
-40																				
Hard, moist, grey, CLAY fill																				
3 4.1 13																				
6 B																				
1																				
4 2.7 15																				
5 B																				
-25 2																				
6 4.5 11																				
10 B																				
577.51																				
Benchmark: BM 721 - Chiseled Square on Top Center of Box Culvert, SN 025-8706 approximately 700 feet East of CR 13, Sta. 2641+05, 85 feet LT, Elevation = 599.413 feet. End of Boring																				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), WH-Weight of Hammer, NT-Not Tested.

BBS, form 137 (Rev. 8-99)

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USER NAME = PEberhart
DESIGNED - YSE
CHECKED - WMB
DRAWN - PRE
CHECKED - REB
REVISIONS:
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE BORINGS
STRUCTURE NO. 025-8305
SHEET OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	341
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				



Illinois Department
of Transportation
Division of Highways
IDOT D7

SOIL BORING LOG

Page 1 of 1

Date 4/4/22

ROUTE FAI 70 (I-70) DESCRIPTION I-70 over Unnamed Ditch LOGGED BY E. Sandschafer
 SECTION (25-4-1, 25-5)R LOCATION SWC, SEC. 3, TWP. 8N, RNG. 7E, 3rd PM,
 Latitude N 39.163858, Longitude W 88.414275
 COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER Auto ETR = 91.8% @ 57.4

STRUCT. NO.	025-8706 (E)	D	B	U	M	Surface Water Elev.	Unknown	ft	D	B	U	M
Station	025-8305 (P)	E	L	C	O	Stream Bed Elev.	Unknown	ft	E	L	C	O
BORING NO.	B3 (WBPL Shoulder)	P	O	S	I	Groundwater Elev.:			T	W	S	S
Station	2640+20	H	S	Qu	T	First Encounter	Dry	ft	H	S	Qu	T
Offset	14.0 ft RT of WB Centerline	(ft)	(/6")	(tsf)	(%)	Upon Completion	Dry	ft	(ft)	(/6")	(tsf)	(%)
Ground Surface Elev.	603.18					After	24	Hrs.	597.2			
10-inch Asphalt over 8-inch Aggregate Base	601.68					No recovery, rock stuck in sampler shoe.			10	NT	23	
Brown, CLAY LOAM									11	NT		
Hard, moist			1			Very stiff, moist, grey, CLAY LOAM Till			2			
			3	4.0	14				5	2.7	10	
			4	P					11	B		
	598.68											
Very stiff, moist, grey, CLAY			1			Recovery = 33%. Rock stuck in sampler shoe.			-25	8		
			5	3.1	23				10	3.0	11	
			5	B					12	P		
						Benchmark: BM 721 - Chiseled Square on Top Center of Box Culvert, SN 025-8706 approximately 700 feet East of CR 13, Sta. 2641+05, 85 feet LT, Elevation = 599.413 feet. End of Boring						
Stiff, with silt			1									
			2	1.4	25							
			3	B								
			1									
			2	1.0	27							
			3	B								
			1									
			2	1.7	26							
			3	B								
			1									
			1	1.2	30							
			2	B								
	586.18											
Stiff, moist, brown, CLAY LOAM			1									
Sandy			1	1.2	16							
			3	B								
	583.18		6									

SOIL BORING 025-8706 SOIL 2022.GPJ IL_DOT.GDT 4/3/22

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), WH-Weight of Hammer, NT-Not Tested.

BBS, form 137 (Rev. 8-99)

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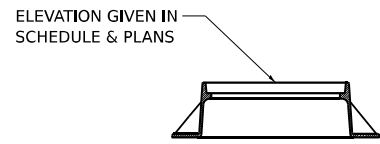
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

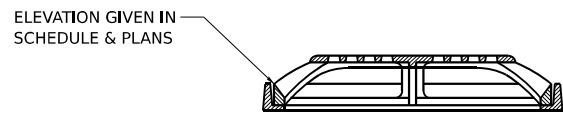
STRUCTURE BORINGS
STRUCTURE NO. 025-8305

SHEET OF 7 SHEETS

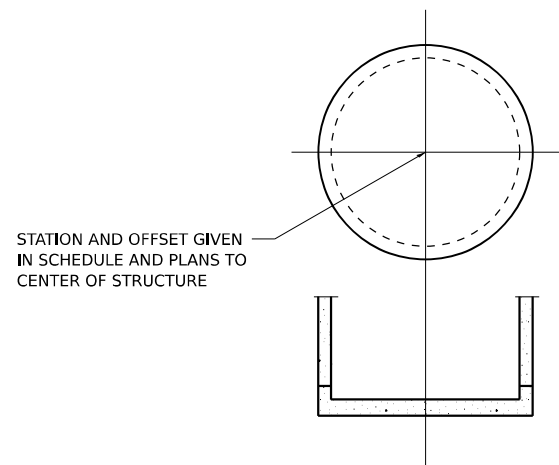
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74599			ILLINOIS FED. AID PROJECT	



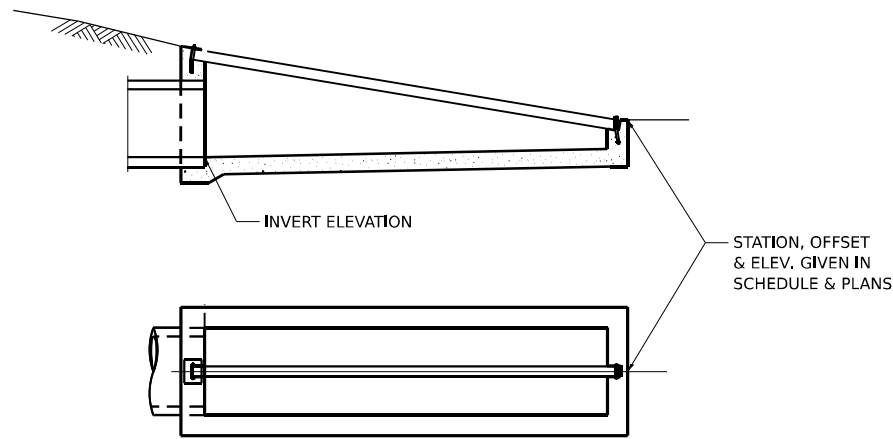
TYPE 1 FRAME AND LID



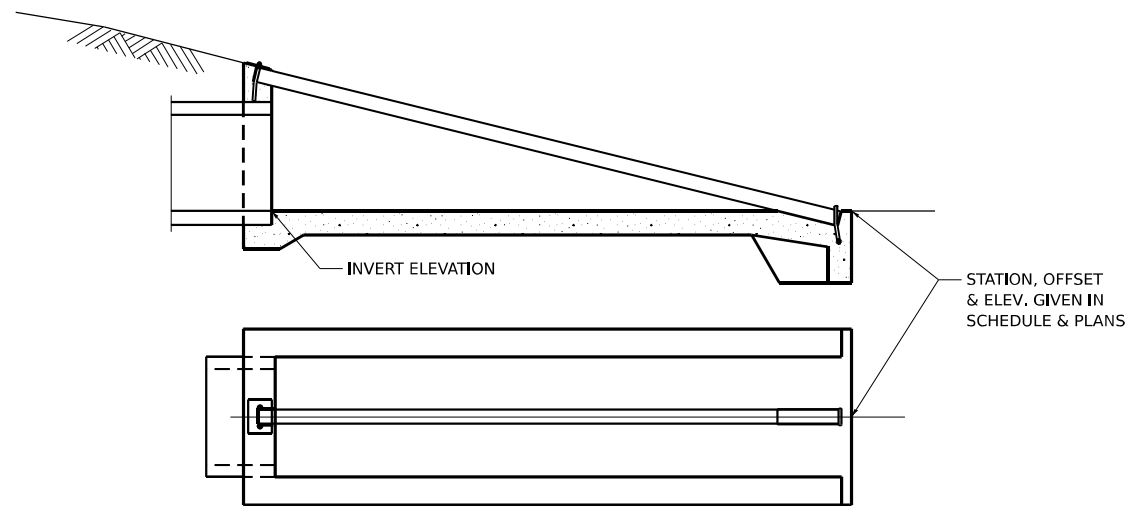
MEDIAN INLET FOR 36" PIPE



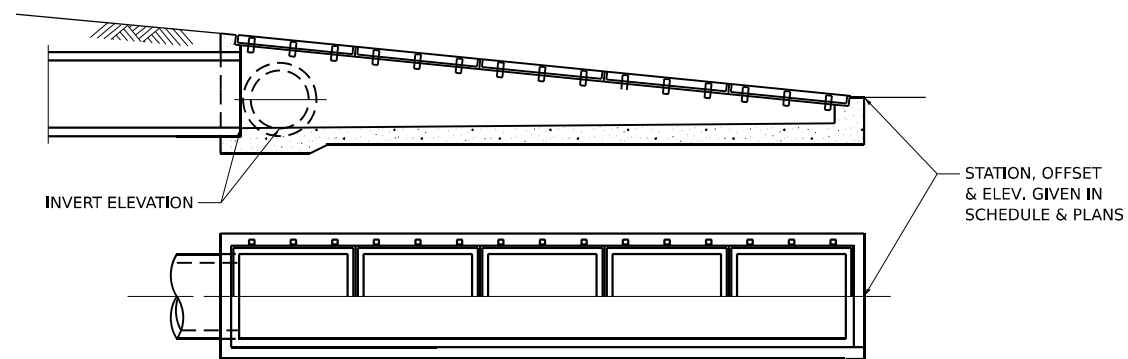
MANHOLES



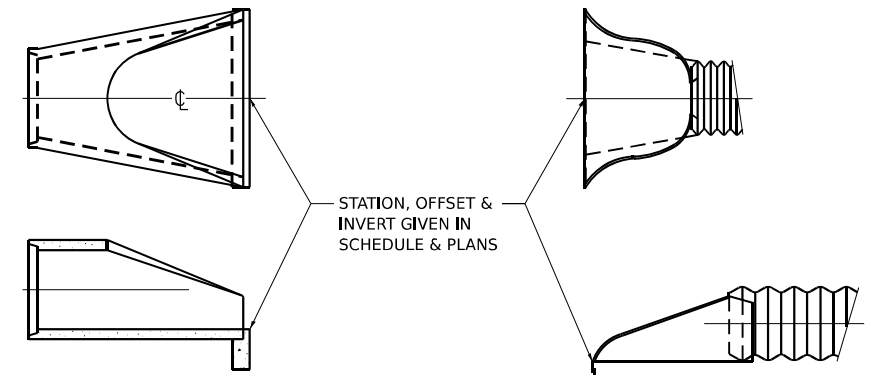
INLET BOX STANDARD 542501 (TYPE 24 A)



INLET BOX STANDARD 542506 (TYPE 24 B)

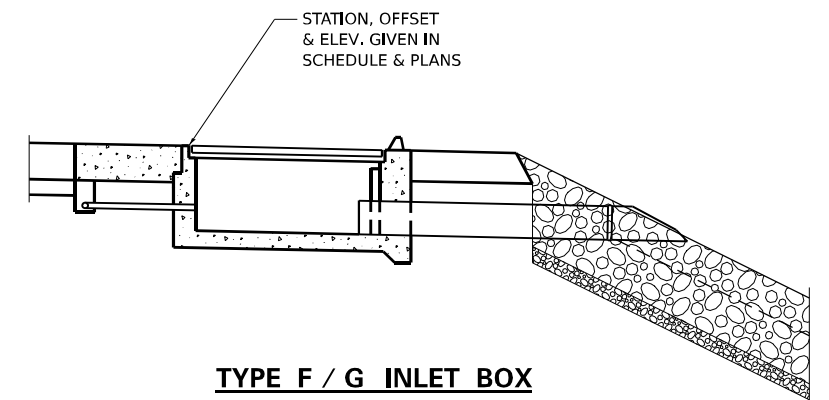


INLET BOX STANDARD 542531 (TYPE 24 G)



CONC. END SECTIONS

METAL END SECTIONS



TYPE F / G INLET BOX

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USER NAME	scd
PLOT SCALE	2,0000' / 1" =
PLOT DATE	3/11/2022

DESIGNED	SCD
DRAWN	SCD
CHECKED	SMK
DATE	11/30/2021

REVISED	
REVISED	
REVISED	
REVISED	

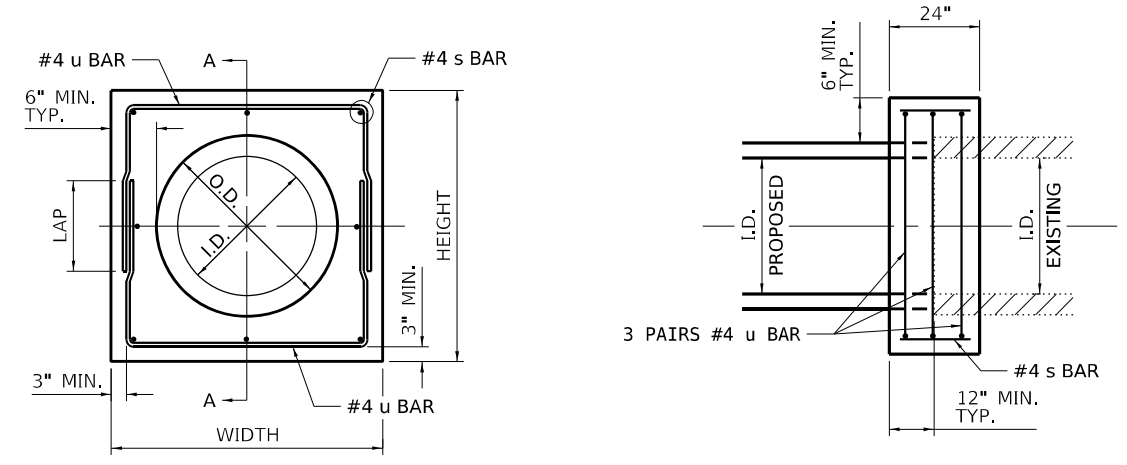
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-70	
DRAINAGE STRUCTURE REFERENCE POINTS	
SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

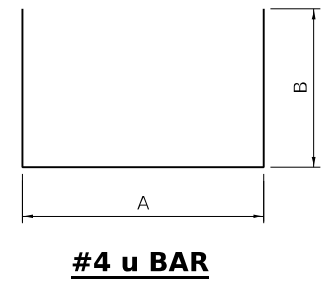
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+41, 25+5)R	EFFINGHAM	790	343
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

MODEL Dwg: I-70_RUBS_Phase_ILCADDCADD_Sheets1071599-CONCRETE.dgn
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STATION	SKEW	EXISTING CULVERT SIZE	PROPOSED CULVERT		COLLAR		REINFORCEMENT BARS								EXPANSION BOLTS 3/4"	CLASS SI CONCRETE COLLAR CU YD		
			I.D.	O.D.	HEIGHT	WIDTH	s BAR			u BAR								
							NO.	SIZE	LENGTH	NO.	SIZE	A	B	LAP			LENGTH	LBS
I-70																		
2415+00.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
2415+00.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
2431+00.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
2431+00.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
2449+00.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
2464+00.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
2464+00.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
2483+00.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
2518+00.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
2518+00.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
2538+00.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
2538+00.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
2547+00.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
2588+00.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
2588+00.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
2606+50.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
2659+00.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
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2715+00.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
2726+05.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
2734+05.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
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2749+00.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
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2767+05.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
15+40.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
15+40.00	---	24"	24"	30"	42"	42"	12	#4	18"	6	#4	36"	27"	18"	90"	6.0		0.54
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															USE	200		17.3



PIPE CULVERT EXTENSION COLLAR



#4 u BAR

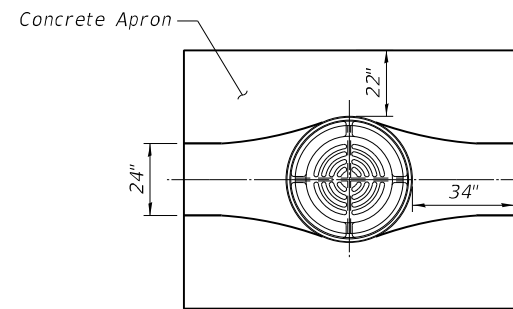


USER NAME	scd	DESIGNED	SCD	REVISED	-
DRAWN	SCD	REVISION	-		
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PLOT DATE	3/11/2022	DATE	11/30/2021	REVISION	-

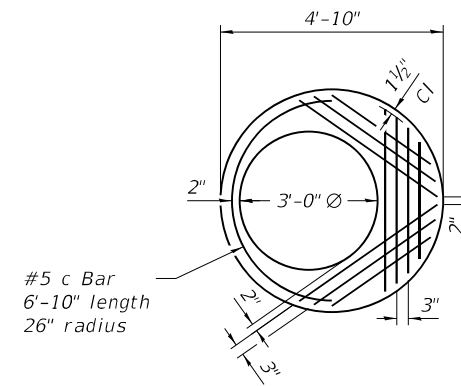
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-70		F.A.I. RTE.	70	SECTION	(25-4-1, 25-5)R	COUNTY	EFFINGHAM	TOTAL SHEETS	790	SHEET NO.	344
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.		TO STA.		CONTRACT NO. 74599					

ILLINOIS	FED. AID PROJECT
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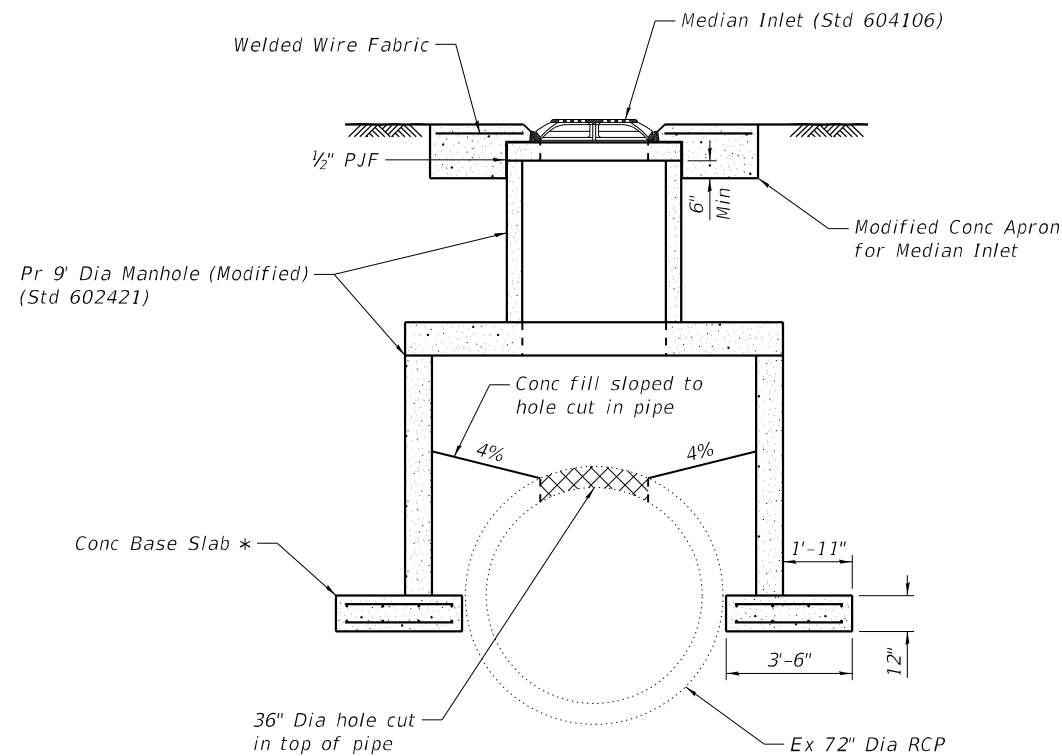


PLAN - CONCRETE APRON

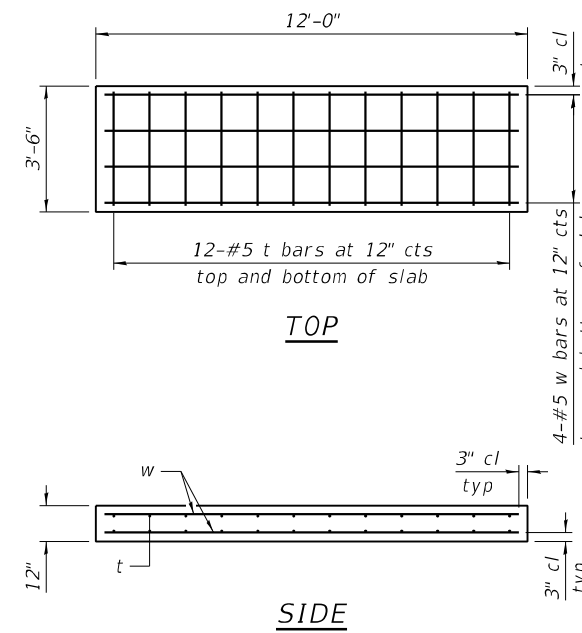


PLAN - FLAT SLAB TOP

(Showing layout of reinforcement bars and c bar)
 (See Std 602601 for details of reinforcement requirements. Cost of flat slab top included in manhole)



END VIEW - 9 FT MANHOLE DETAIL



CONCRETE BASE SLAB

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
t	48	#5	3'-0"	—	
w	16	#5	11'-6"	—	
Item				Unit	Total
Reinforcement Bars				Pound	350
Miscellaneous Concrete				Cu. Yd.	3.2

* Concrete for Concrete Base Slab under manhole will be paid for as Miscellaneous Concrete.

**LT STA 2429+80
 SN 025-8814**

MODEL Dwg: 11/20/2022 02/28/2022 • P1B 197-35 D7 • B/W • L 0 Robb Phase I/CA/DC/CD/ Sheets/174599/ffh/02/22/2022



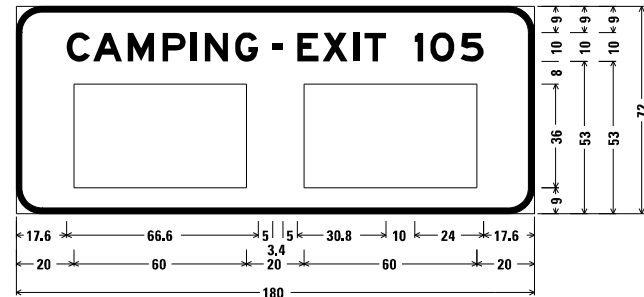
USER NAME	■ sdukkis	DESIGNED	- SCD	REVISED	-
DRAWN	- SCD	REVISIONS	-	REVISIONS	-
PLOT SCALE	■ 0:2.0000 1/4" = 1'-0"	CHECKED	- MDC	REVISIONS	-
PLOT DATE	■ 3/11/2022	DATE	- 02/28/2022	REVISIONS	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-70
 9 FT MANHOLE AND MEDIAN INLET DETAILS**
 SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+41, 25+5)R	EFFINGHAM	790	345
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

2651 + 95 (I-70 EB)
66 + 60 (I-70 WB)

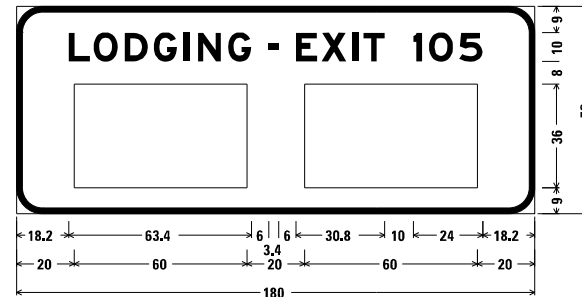


9.0" Radius, 2.0" Border, White on Blue;
"CAMPING-EXIT 105", E Mod 2K;

Table of letter and object lefts

C	A	M	P	I	N	G	-
17.6	26.9	38.8	50.9	60.8	65.6	76.1	89.2
E	X	I	T	I	O	S	
97.6	106.4	117.2	121.0	138.4	143.8	154.3	
□	□						
20.0	100.0						

2660 + 00 (I-70 EB)
58 + 70 (I-70 WB)

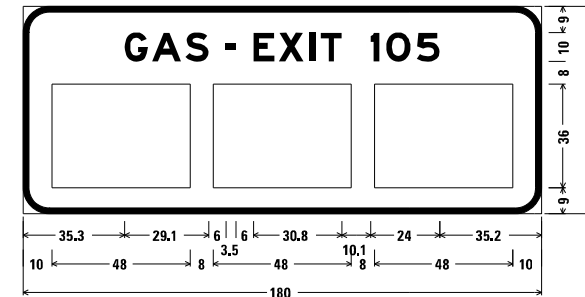


9.0" Radius, 2.0" Border, White on Blue;
"LODGING-EXIT 105", E Mod 2K;

Table of letter and object lefts

L	O	D	G	I	N	G	-
18.2	26.8	37.5	47.7	58.2	63.0	73.5	87.5
E	X	I	T	I	O	S	
97.0	105.8	116.6	120.4	137.9	143.3	153.8	
□	□						
20.0	100.0						

2670 + 15 (I-70 EB)
50 + 70 (I-70 WB)

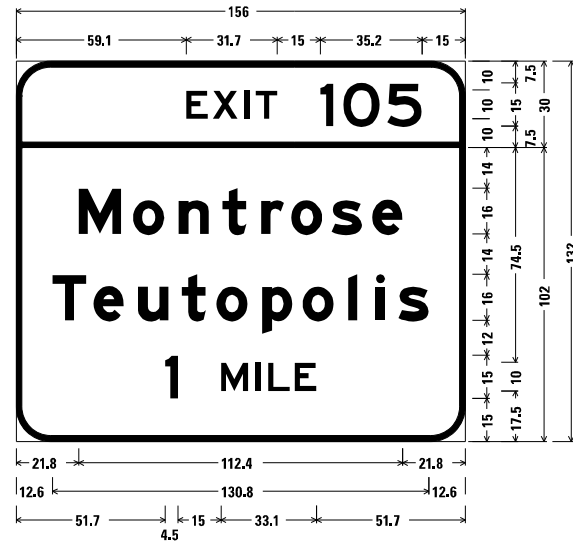


9.0" Radius, 2.0" Border, White on Blue;
"GAS-EXIT 105", E Mod 2K;

Table of letter and object lefts

G	A	S	-	E	X	I	T	I	O	S
35.3	44.8	56.3	70.4	79.9	88.8	99.5	103.3	120.8	126.1	136.6
□	□	□								
10.0	66.0	122.0								

2679 + 10 (I-70 EB)



12.0" Radius, 2.0" Border, White on Green;
"EXIT", E 2K 120% spacing; "105", E 2K;

12.0" Radius, 2.0" Border, White on Green

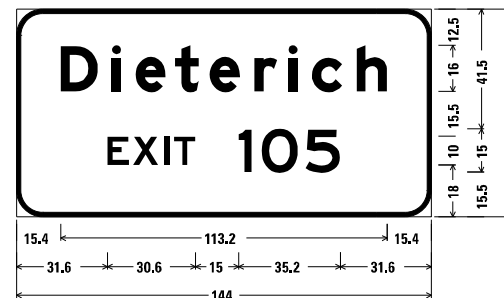
"Montrose", E Mod 2K; "Teutopolis", E Mod 2K;

"1", MILE", E 2K;

Table of letter and object lefts

E	X	I	T	I	O	S			
59.1	68.3	79.4	83.3	105.8	113.7	128.9			
M	o	n	t	r	o	s	e		
21.8	40.6	56.5	71.7	85.1	95.5	109.6	123.7		
T	e	u	t	o	p	o	i	s	
12.6	26.9	42.4	57.6	69.6	85.4	99.5	115.4	125.0	132.8
1	M	I	L	E					
51.7	71.2	83.2	87.6	96.8					

2692 + 40 (I-70 EB)
26 + 55 (I-70 WB)

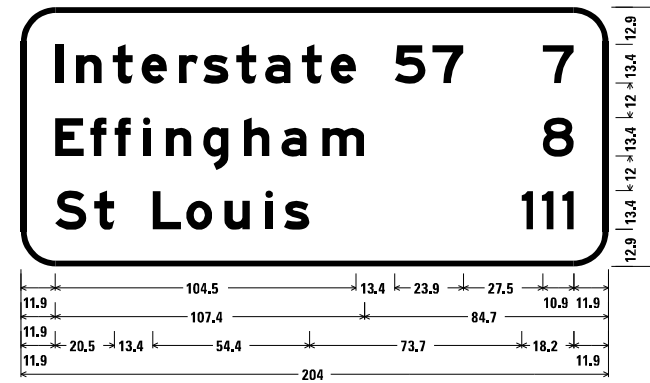


9.0" Radius, 1.5" Border, White on Green;
"Dieterich", E Mod 2K; "EXIT 105", E 2K;

Table of letter and object lefts

D	i	e	t	e	r	i	c	h
15.4	33.1	41.3	55.0	67.0	82.6	94.4	102.6	118.1
E	X	I	T	I	O	S		
31.6	40.5	51.2	54.7	77.2	85.1	100.3		

2698 + 00 (I-70 WB)



12.0" Radius, 2.0" Border, White on Green;
"Interstate 57", E Mod 2K; "7", E 2K; "Effingham", E Mod 2K;
"8", E 2K; "St Louis", E Mod 2K; "111", E 2K;

Table of letter and object lefts

I	n	t	e	r	s	t	a	t	e	5	7	7	
11.9	19.2	31.9	41.9	54.9	63.3	74.8	84.8	97.5	107.6	129.8	142.9	181.2	
E	f	f	i	n	g	h	a	m	8				
11.9	24.1	32.5	42.3	50.3	63.3	77.5	90.5	104.6	181.2				
S	t	L	o	u	i	s	1	1	1				
11.9	25.5	45.8	57.4	70.7	84.8	91.4	173.9	181.0	188.0				

MODEL Dwg: 11-11-2022 10:07:22 - P1B - 19-2-25 D7 - B1W - 1-10-20 Robb Phase_ILCADDCADD_Sheet0714599-50x85-01.dwg
 FILE NAME: S:\2022\10-07-22 - P1B - 19-2-25 D7 - B1W - 1-10-20 Robb Phase_ILCADDCADD_Sheet0714599-50x85-01.dwg



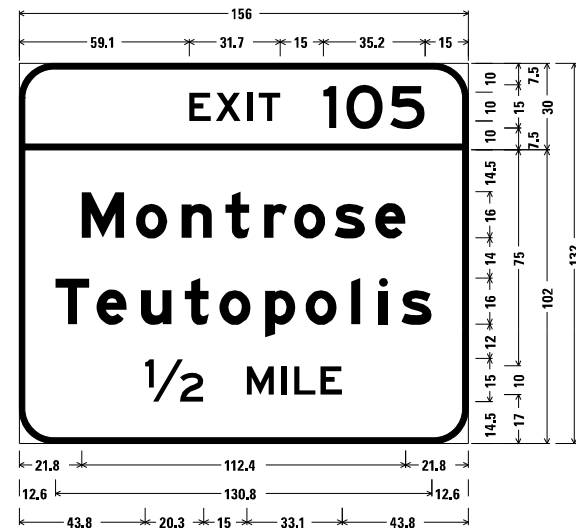
USER NAME	DESIGNED	REVISIONS
tneffsmith	TNS	
PLOT SCALE	CHECKED	REVISIONS
2,0000' / 1" =	FBN	
PLOT DATE	DATE	REVISIONS
3/11/2022	JANUARY 2022	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NTS	SHEET 1 OF 6 SHEETS	STA. TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+41, 25+5)R	EFFINGHAM	790	346
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

2706 + 10 (I-70 EB)

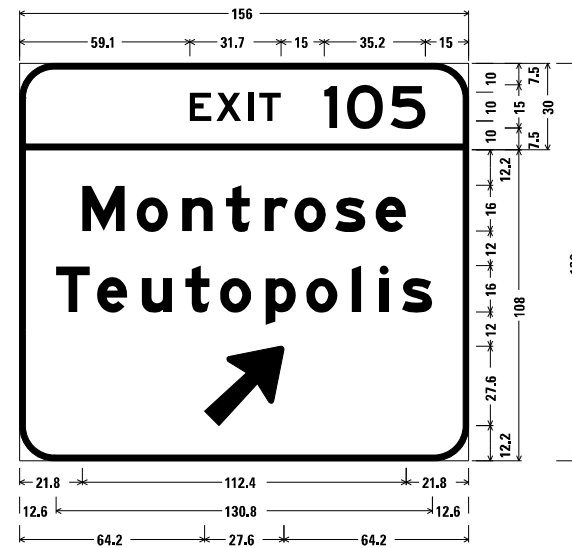


12.0" Radius, 2.0" Border, White on Green;
 "EXIT", E 2K 120% spacing; "105", E 2K;
 12.0" Radius, 2.0" Border, White on Green;
 "Montrose", E Mod 2K; "Teutopolis", E Mod 2K;
 "1/2 MILE", E 2K;

Table of letter and object lefts

E	X	I	T	1	O	S			
59.1	68.3	79.4	83.3	105.8	113.7	128.9			
M	o	n	t	r	o	s	e		
21.8	40.6	56.5	71.7	85.1	95.5	109.6	123.7		
T	e	u	t	o	p	o	l	i	s
12.6	26.9	42.4	57.6	69.6	85.4	99.5	115.4	125.0	132.8
1/2	M	I	L	E					
43.8	79.1	91.1	95.5	104.7					

2726 + 20 (I-70 EB)

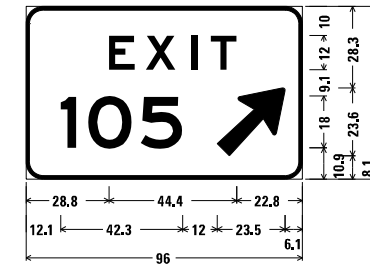


12.0" Radius, 2.0" Border, White on Green;
 "EXIT", E 2K 120% spacing; "105", E 2K;
 12.0" Radius, 2.0" Border, White on Green;
 "Montrose", E Mod 2K; "Teutopolis", E Mod 2K;
 Arrow 160 - 35.0" 45°;

Table of letter and object lefts

E	X	I	T	1	O	S			
59.1	68.3	79.4	83.3	105.8	113.7	128.9			
M	o	n	t	r	o	s	e		
21.8	40.6	56.5	71.7	85.1	95.5	109.6	123.7		
T	e	u	t	o	p	o	l	i	s
12.6	26.9	42.4	57.6	69.6	85.4	99.5	115.4	125.0	132.8
↗									
64.2									

2733 + 15 (I-70 EB)
 2749 + 65 (I-70 WB)



6.0" Radius, 1.3" Border, White on Green;
 "EXIT", E 2K 225% spacing;
 "105", E 2K;
 Arrow 133 - 30.0" 45°;

Table of letter and object lefts

E	X	I	T
28.8	41.6	57.4	64.2
1	O	S	↗
12.1	21.6	39.8	66.4

MODEL Dwg: 33120220201072 - PTB 197-35 D7 - B/W - 12.0_Rubb_Phase_ILCADDCADD_Sheet10714599545105.dgn
 FILE NAME: 33120220201072 - PTB 197-35 D7 - B/W - 12.0_Rubb_Phase_ILCADDCADD_Sheet10714599545105.dgn



USER NAME	DESIGNED	REVISIONS
tneffsmith	TNS	
DRAWN	TNS	
CHECKED	FBN	
DATE	JANUARY 2022	
PLOT SCALE	2.0000" = 1'-0"	
PLOT DATE	3/11/2022	

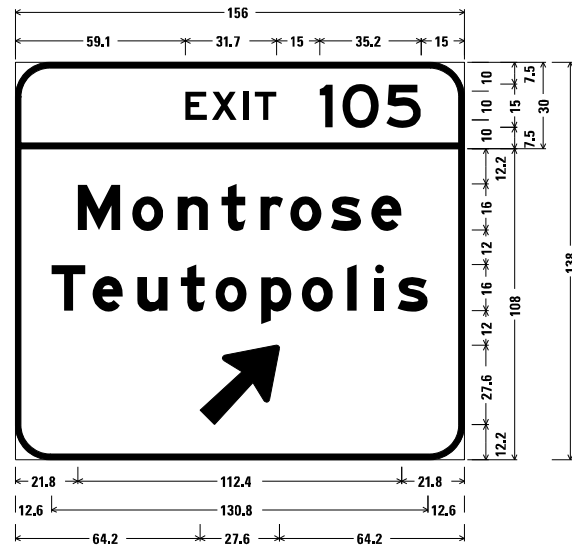
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGN PANELS

SCALE: NTS SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1, 25-5)R	EFFINGHAM	790	347
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

2756 + 90 (I-70 WB)

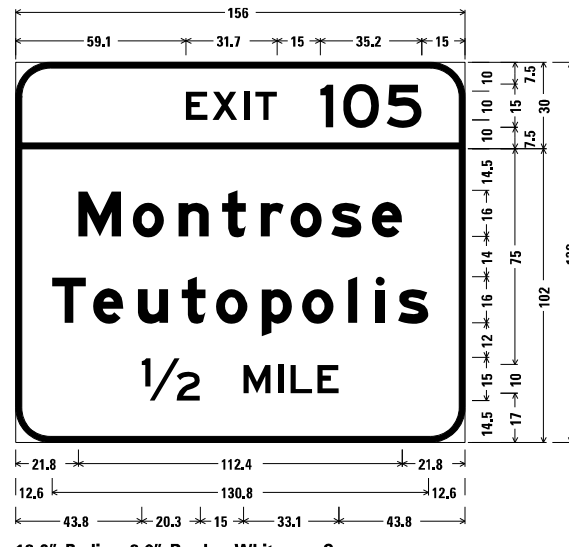


12.0" Radius, 2.0" Border, White on Green;
 "EXIT", E 2K 120% spacing; "105", E 2K;
 12.0" Radius, 2.0" Border, White on Green;
 "Montrose", E Mod 2K; "Teutopolis", E Mod 2K;
 Arrow 160 - 35.0" 45";

Table of letter and object lefts

E	X	I	T	1	O	5				
59.1	68.3	79.4	83.3	105.8	113.7	128.9				
M	o	n	t	r	o	s	e			
21.8	40.6	56.5	71.7	85.1	95.5	109.6	123.7			
T	e	u	t	o	p	o	l	i	s	
12.6	26.9	42.4	57.6	69.6	85.4	99.5	115.4	125.0	132.8	
↗										
64.2										

2770 + 90 (I-70 WB)

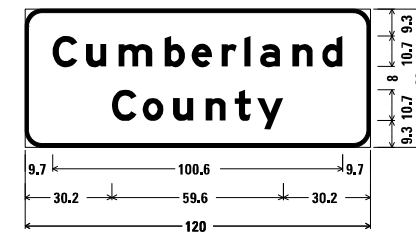


12.0" Radius, 2.0" Border, White on Green;
 "EXIT", E 2K 120% spacing; "105", E 2K;
 12.0" Radius, 2.0" Border, White on Green;
 "Montrose", E Mod 2K; "Teutopolis", E Mod 2K;
 "1/2 MILE", E 2K;

Table of letter and object lefts

E	X	I	T	1	O	5			
59.1	68.3	79.4	83.3	105.8	113.7	128.9			
M	o	n	t	r	o	s	e		
21.8	40.6	56.5	71.7	85.1	95.5	109.6	123.7		
T	e	u	t	o	p	o	l	i	s
12.6	26.9	42.4	57.6	69.6	85.4	99.5	115.4	125.0	132.8
1/2	M	I	L	E					
43.8	79.1	91.1	95.5	104.7					

15 + 50 (I-70 EB)

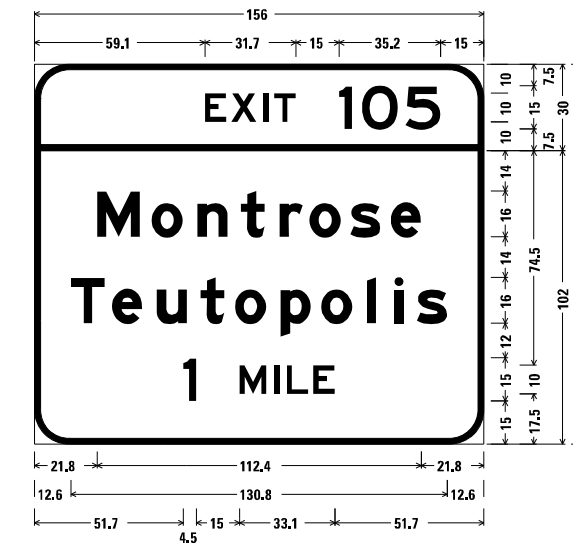


6.0" Radius, 1.3" Border, White on Green;
 "Cumberland", E Mod 2K;
 "County", E Mod 2K;

Table of letter and object lefts

C	u	m	b	e	r	i	a	n	d
9.7	21.3	32.6	48.6	58.0	68.3	76.2	81.7	93.0	103.3
C	o	u	n	t	y				
30.2	40.9	51.5	62.8	72.9	80.7				

40 + 05 (I-70 WB)

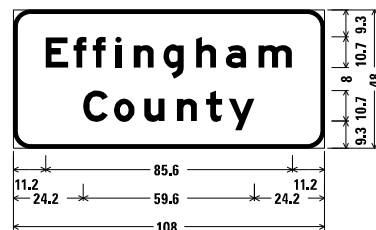


12.0" Radius, 2.0" Border, White on Green;
 "EXIT", E 2K 120% spacing; "105", E 2K;
 12.0" Radius, 2.0" Border, White on Green;
 "Montrose", E Mod 2K; "Teutopolis", E Mod 2K;
 "1 MILE", E 2K;

Table of letter and object lefts

E	X	I	T	1	O	5			
59.1	68.3	79.4	83.3	105.8	113.7	128.9			
M	o	n	t	r	o	s	e		
21.8	40.6	56.5	71.7	85.1	95.5	109.6	123.7		
T	e	u	t	o	p	o	l	i	s
12.6	26.9	42.4	57.6	69.6	85.4	99.5	115.4	125.0	132.8
1	M	I	L	E					
51.7	71.2	83.2	87.6	96.8					

15 + 50 (I-70 WB)

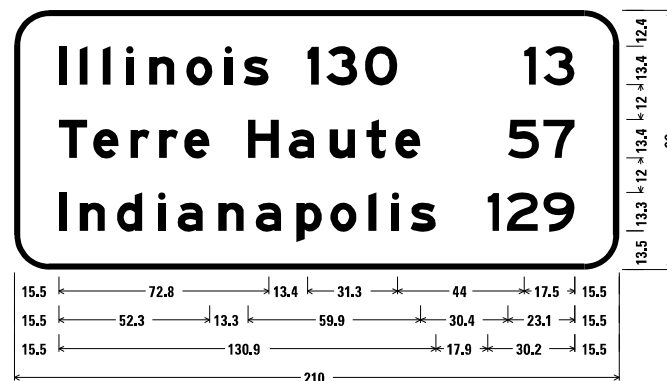


6.0" Radius, 1.3" Border, White on Green;
 "Effingham", E Mod 2K;
 "County", E Mod 2K;

Table of letter and object lefts

E	f	f	i	n	g	h	a	m
11.2	20.9	27.6	35.4	41.8	52.1	63.4	73.8	85.1
C	o	u	n	t	y			
24.2	34.9	45.5	56.8	66.9	74.7			

24 + 00 (I-70 EB)



12.0" Radius, 2.0" Border, White on Green;
 "Illinois 130", E Mod 2K; "13", E 2K; "Terre Haute", E Mod 2K;
 "57", E 2K; "Indianapolis", E Mod 2K; "129", E 2K;

Table of letter and object lefts

I	l	l	i	n	o	i	s	1	3	O	1	3
15.5	22.7	30.7	38.7	46.8	59.7	73.0	79.5	101.7	108.3	121.8	177.0	183.7
T	e	r	r	e	H	a	u	t	e	5	7	
15.5	27.4	40.3	50.2	58.9	81.1	95.3	109.5	122.2	132.2	171.4	183.7	
I	n	d	i	a	n	a	p	o	l	i	s	
15.5	22.7	35.7	49.8	56.7	70.8	83.8	98.0	109.7	123.0	131.0	137.6	
1	2	9										
164.3	171.0	183.7										

MODEL Dwg: 3/11/2022 09:07:22 - P10 - 19-2-25 D7 - B/W - 1/20 - Robb Phase - ILLINOIS CDOD - SHEET 07 OF 09 - 5/10/2022



USER NAME	DESIGNED	REVISIONS
■ tneiffsmith	- TNS	-
DRAWN	REVISIONS	-
- TNS	-	-
PLOT SCALE	CHECKED	REVISIONS
■ 2.0000 * / ft.	- FBN	-
PLOT DATE	DATE	REVISIONS
■ 3/11/2022	- JANUARY 2022	-

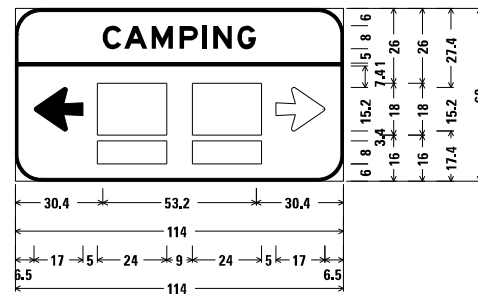
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGN PANELS

SCALE: NTS SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+41, 25+5)R	EFFINGHAM	790	348
CONTRACT NO. 74599				
ILLINOIS		FED. AID PROJECT		

428 + 20 (RAMP B)

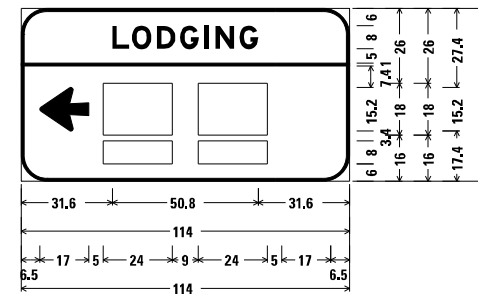


9.0" Radius, 1.0" Border, White on Blue;
 "CAMPING", E Mod 2K;
 Arrow 80 - 17.0" 180";
 Table of letter and object lefts

C	A	M	P	I	N	G
30.4	37.8	47.3	57.0	64.9	68.8	77.2

-	-0.0		
←	□	□	→
6.5	28.5	61.5	90.5
□	□		
28.5	61.5		

429 + 55 (RAMP B)

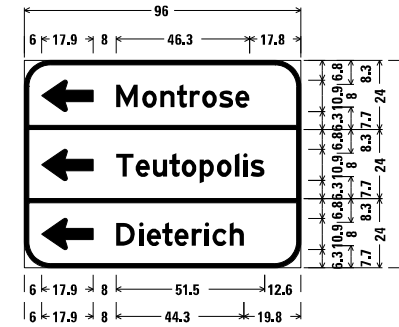


9.0" Radius, 1.0" Border, White on Blue;
 "LODGING", E Mod 2K;
 Arrow 80 - 17.0" 180";
 Table of letter and object lefts

L	O	D	G	I	N	G
31.6	38.5	47.2	55.2	63.6	67.5	75.9

-	-0.0	
←	□	□
6.5	28.5	61.5
□	□	
28.5	61.5	

431 + 55 (RAMP B)



9.0" Radius, 1.5" Border, White on Green;
 Standard Arrow Custom 17.9" X 10.9" 180";
 "Montrose", E 2K;
 9.0" Radius, 1.5" Border, White on Green;
 Standard Arrow Custom 17.9" X 10.9" 180";
 "Teutopolis", E 2K;
 9.0" Radius, 1.5" Border, White on Green;
 Standard Arrow Custom 17.9" X 10.9" 180";
 "Dieterich", E 2K;

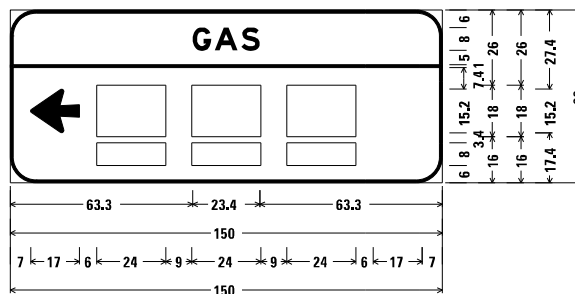
Table of letter and object lefts

←	M	o	n	t	r	o	s	e
6.0	31.9	40.9	47.2	52.9	57.4	61.7	67.6	73.2

←	T	e	u	t	o	p	o	i	i	s
6.0	31.9	38.7	44.6	50.4	54.6	60.9	66.8	73.2	76.0	78.5

←	D	i	e	t	e	r	i	c	h
6.0	31.9	39.9	42.5	47.9	52.1	58.1	62.7	65.3	71.2

433 + 65 (RAMP B)



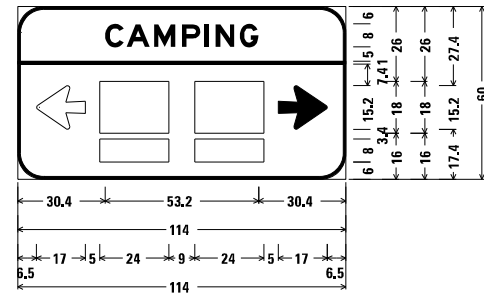
9.0" Radius, 1.0" Border, White on Blue;
 "GAS", E Mod 2K;
 Arrow 80 - 17.0" 180";
 Table of letter and object lefts

G	A	S
63.3	70.9	80.2

-	-0.0		
←	□	□	□
7.0	30.0	63.0	96.0
□	□	□	
30.0	63.0	96.0	

MODEL Dwg: 3/11/2022 10:07:22 - FTB - 197-25 DT - B/W - 12.0 Robb Phase II ICA/DD/CADD Sheets/174599-516-518.dwg
 FILE NAME: 3/11/2022 10:07:22 - FTB - 197-25 DT - B/W - 12.0 Robb Phase II ICA/DD/CADD Sheets/174599-516-518.dwg

468 + 10 (RAMP D)



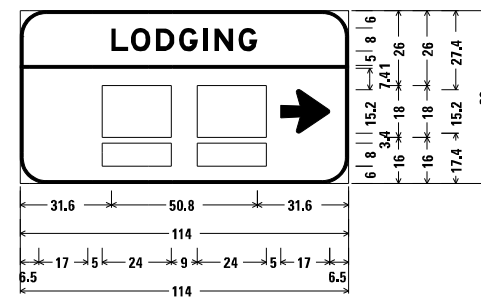
9.0" Radius, 1.0" Border, White on Blue;
 "CAMPING", E Mod 2K;
 Arrow 80 - 17.0" 0";
 Table of letter and object lefts

C	A	M	P	I	N	G
30.4	37.8	47.3	57.0	64.9	68.8	77.2

-	-0.0		
←	→		
6.5	28.5	61.5	90.5

□	□
28.5	61.5

469 + 50 (RAMP D)



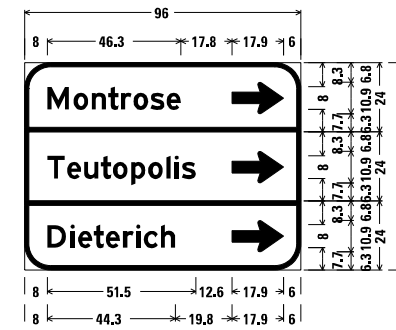
9.0" Radius, 1.0" Border, White on Blue;
 "LODGING", E Mod 2K;
 Arrow 80 - 17.0" 0";
 Table of letter and object lefts

L	O	D	G	I	N	G
31.6	38.5	47.2	55.2	63.6	67.5	75.9

-	-0.0	
□	□	⇒
28.5	61.5	90.5

□	□
28.5	61.5

471 + 55 (RAMP D)

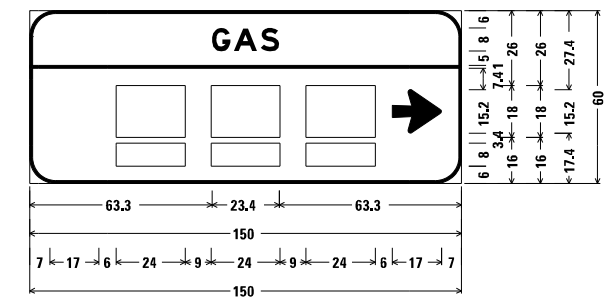


9.0" Radius, 1.5" Border, White on Green;
 "Montrose", E 2K;
 Standard Arrow Custom 17.9" X 10.9" 0";
 9.0" Radius, 1.5" Border, White on Green;
 "Teutopolis", E 2K;
 Standard Arrow Custom 17.9" X 10.9" 0";
 9.0" Radius, 1.5" Border, White on Green;
 "Dieterich", E 2K;
 Standard Arrow Custom 17.9" X 10.9" 0";

Table of letter and object lefts

M	o	n	t	r	o	s	e	⇒		
8.0	17.0	23.4	29.0	33.5	37.8	43.8	49.4	72.1		
T	e	u	t	o	p	o	l	i	s	⇒
8.0	14.8	20.7	26.5	30.7	37.0	43.0	49.3	52.2	54.6	72.1
D	i	e	t	e	r	i	c	h	⇒	
8.0	16.0	18.6	24.0	28.2	34.2	38.8	41.4	47.4	72.1	

473 + 75 (RAMP D)



9.0" Radius, 1.0" Border, White on Blue;
 "GAS", E Mod 2K;
 Arrow 80 - 17.0" 0";
 Table of letter and object lefts

G	A	S
63.3	70.9	80.2

-	-0.0		
□	□	□	⇒
30.0	63.0	96.0	126.0

□	□
30.0	63.0

MODEL Dwg: 3310220201072 - P10 - 19-2-25 D7 - B1W - L20 - Robt Phase II/CADD/CADD_Sheet10714599-5-10-2022.dwg
 FILE NAME: 3310220201072 - P10 - 19-2-25 D7 - B1W - L20 - Robt Phase II/CADD/CADD_Sheet10714599-5-10-2022.dwg



USER NAME	■ tneiffsmith	DESIGNED	- TNS	REVISED	-
DRAWN	- TNS	CHECKED	- FBN	REVISION	-
PLOT SCALE	■ 2.0000" = 1'-0"	DATE	- JANUARY 2022	REVISION	-
PLOT DATE	■ 3/11/2022				

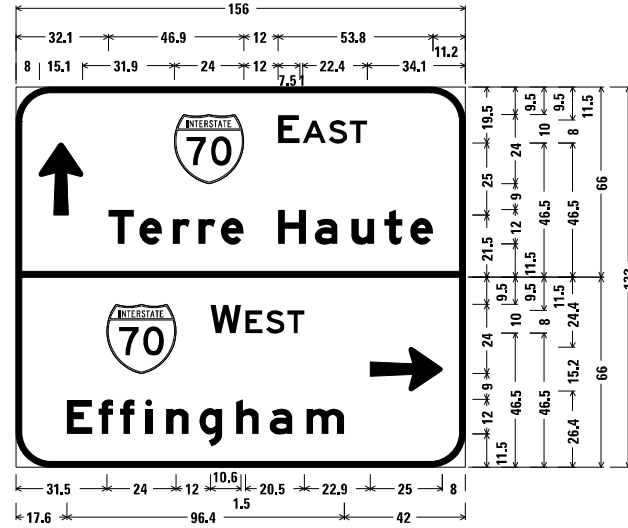
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGN PANELS

SCALE: NTS SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+41, 25+5)R	EFFINGHAM	790	350
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

488 + 55 (FA 160 SB)

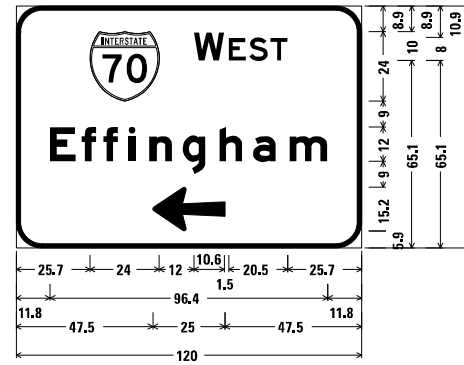


12.0" Radius, 2.0" Border, White on Green;
 Arrow 80 - 25.0" 90°; "EAST", E 2K;
 "Terre Haute", E Mod 2K;
 12.0" Radius, 2.0" Border, White on Green;
 "WEST", E 2K; "Effingham", E Mod 2K;
 Arrow 80 - 25.0" 0°;

Table of letter and object lefts

↑	8.0	55.0	91.0	99.5	108.5	115.9					
T	e	r	r	e	H	a	u	t	e		
	32.1	42.8	54.4	63.3	71.1	91.0	103.8	116.5	127.9	136.9	
↕	W	E	S	T	⇌						
	31.5	67.5	79.6	86.8	94.1	123.0					
E	f	f	i	n	g	h	a				
	17.6	28.6	36.1	44.9	52.1	63.7	76.4	88.1	100.8		

490 + 15 (FA 160 NB)

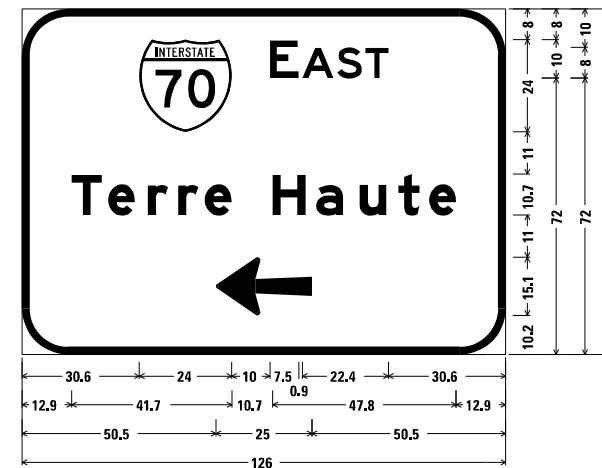


9.0" Radius, 1.5" Border, White on Green;
 "WEST", E 2K; "Effingham", E Mod 2K;
 Arrow 80 - 25.0" 180°;

Table of letter and object lefts

↕	W	E	S	T							
	25.7	61.7	73.8	80.9	88.3						
E	f	f	i	n	g	h	a	m			
	11.8	22.7	30.3	39.1	46.3	57.9	70.6	82.3	95.0		
⇌											
	47.5										

495 + 00 (FA 160 SB)

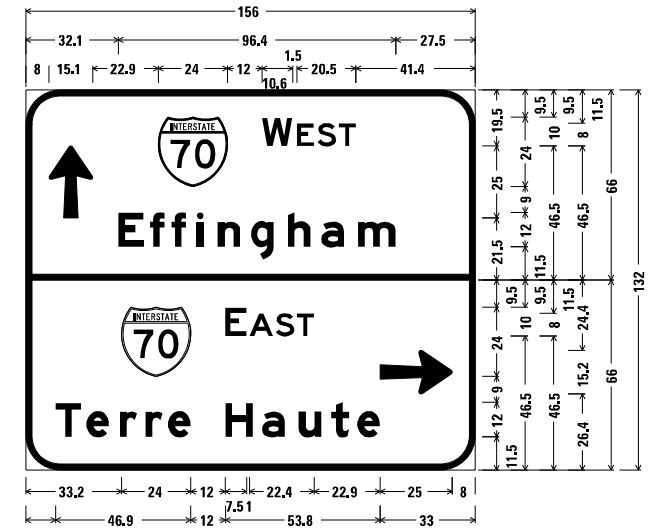


12.0" Radius, 2.0" Border, White on Green;
 "EAST", E 2K; "Terre Haute", E Mod 2K;
 Arrow 80 - 25.0" 180°;

Table of letter and object lefts

↕	E	A	S	T							
	30.6	64.6	73.0	82.1	89.4						
T	e	r	r	e	H	a	u	t	e		
	12.9	22.4	32.8	40.7	47.6	65.3	76.6	87.9	98.0	106.0	
⇌											
	50.5										

498 + 65 (FA 160 NB)



12.0" Radius, 2.0" Border, White on Green;
 Arrow 80 - 25.0" 90°; "WEST", E 2K;
 "Effingham", E Mod 2K;
 12.0" Radius, 2.0" Border, White on Green;
 "EAST", E 2K; "Terre Haute", E Mod 2K;
 Arrow 80 - 25.0" 0°;

Table of letter and object lefts

↑	8.0	46.0	82.0	94.1	101.3	108.6					
E	f	f	i	n	g	h	a	m			
	32.1	43.0	50.6	59.4	66.6	78.2	90.9	102.6	115.3		
↕	E	A	S	T	⇌						
	33.2	69.2	77.7	86.7	94.1	123.0					
T	e	r	r	e	H	a	u	t	e		
	10.3	21.0	32.6	41.5	49.3	69.2	82.0	94.7	106.1	115.1	

MODEL Dwg: 33120220101072 - P1B - 1912-25 DT - B1W - 12.0_Rubb_Phase_ILCADDCADD_Sheet10714599545555.dgn
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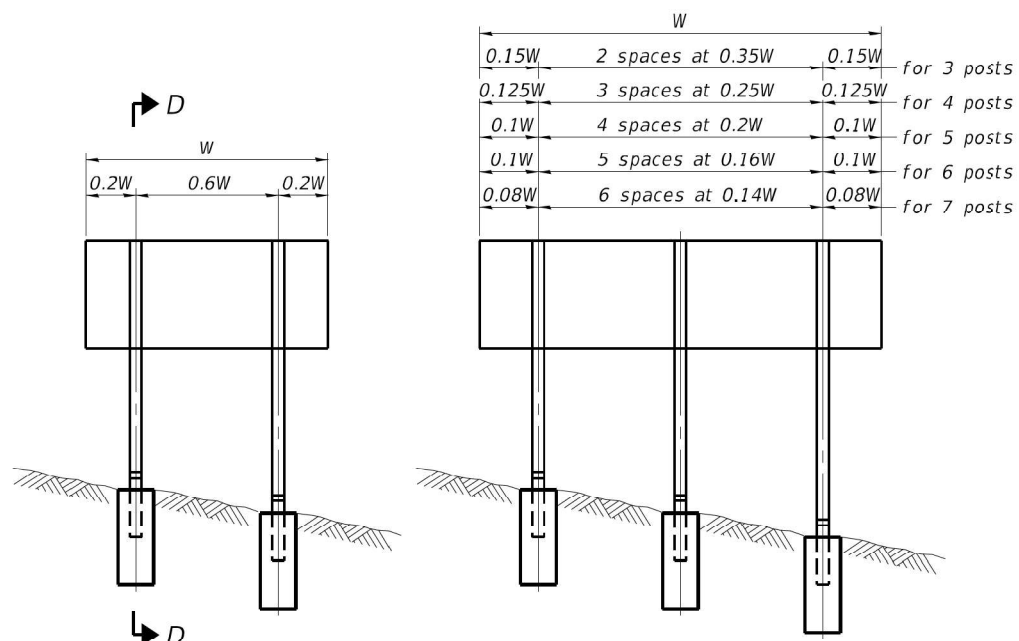
USER NAME	■ tneiffsmith	DESIGNED	- TNS	REVISED	-
DRAWN	- TNS	REVISIONS	-		
PLOT SCALE	■ 2.0000" = 1'-0"	CHECKED	- FBN	REVISED	-
PLOT DATE	■ 3/11/2022	DATE	- JANUARY 2022	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGN PANELS

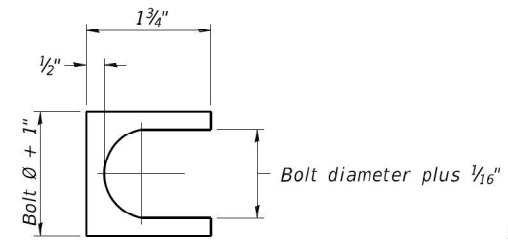
SCALE: NTS SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+41, 25+5)R	EFFINGHAM	790	351
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				



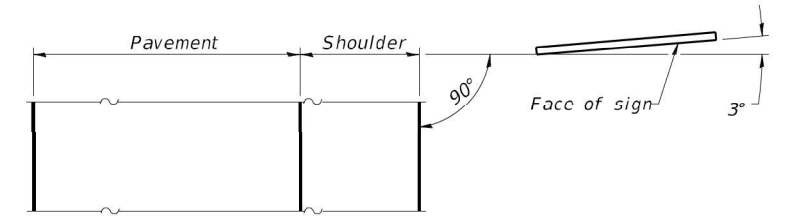
ELEVATION

0.15W	2 spaces at 0.35W	0.15W	for 3 posts
0.125W	3 spaces at 0.25W	0.125W	for 4 posts
0.1W	4 spaces at 0.2W	0.1W	for 5 posts
0.1W	5 spaces at 0.16W	0.1W	for 6 posts
0.08W	6 spaces at 0.14W	0.08W	for 7 posts

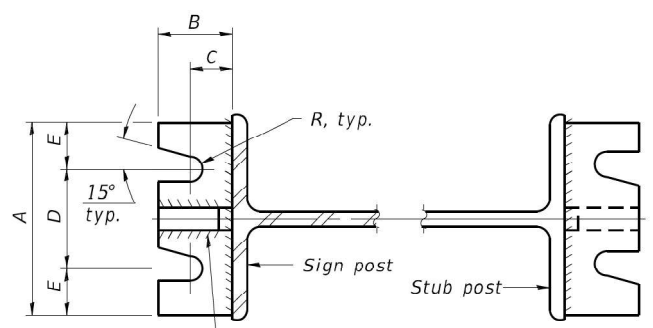


SHIM DETAIL

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

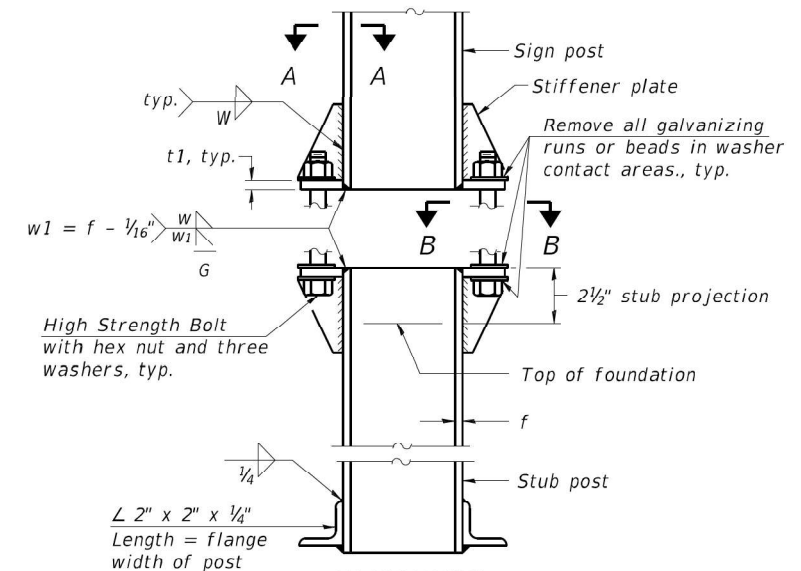


LOCATION SKETCH

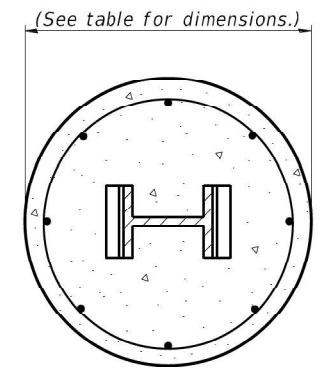


SECTION A-A

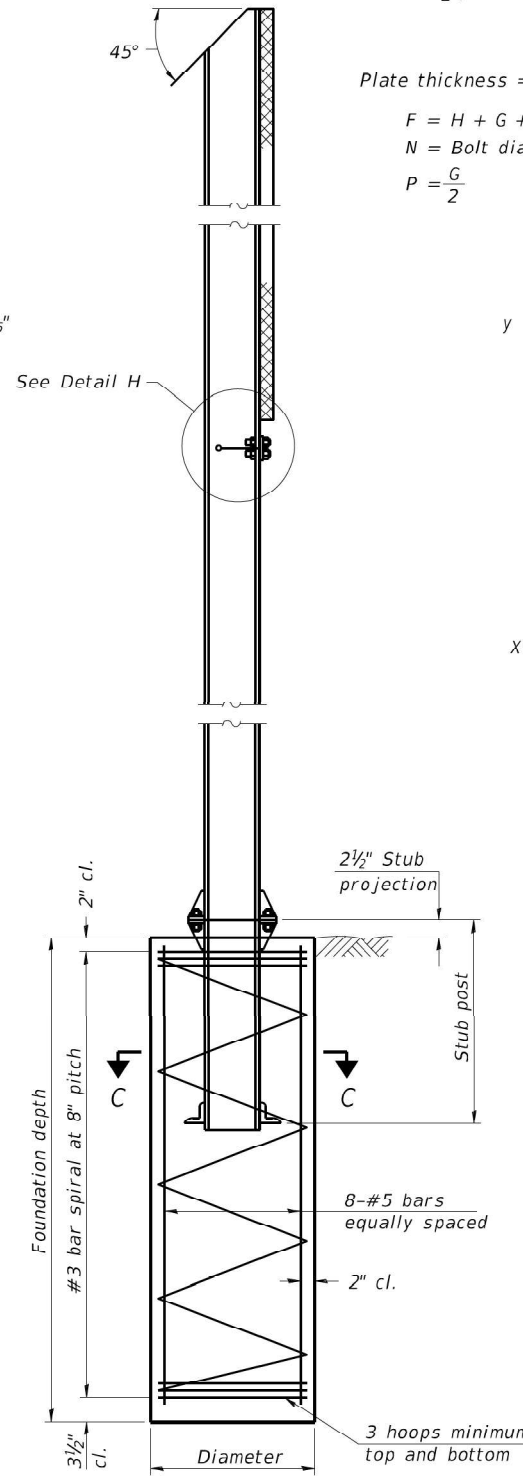
SECTION B-B



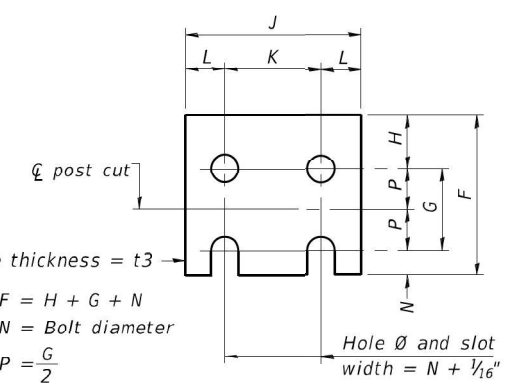
ELEVATION SIGN POST & STUB POST



SECTION C-C

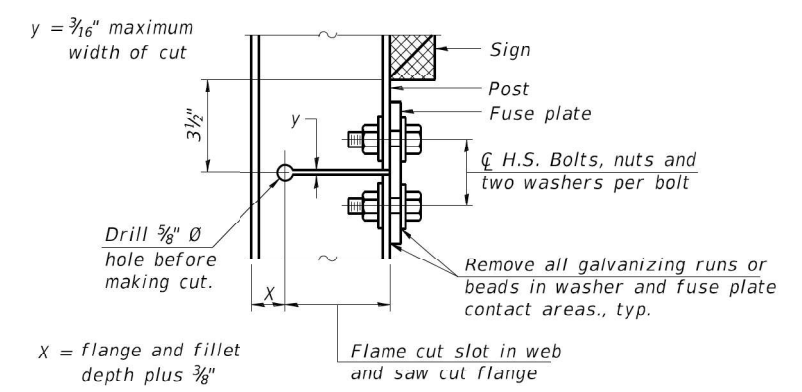


SECTION D-D

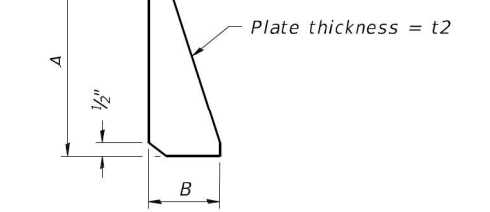


FUSE PLATE DETAIL
(Install with notches down.)

N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"



DETAIL H



STIFFENER PLATE DETAIL

GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
Structural steel - 20,000 p.s.i.
Reinforcing steel - 20,000 p.s.i.
Concrete - 1,400 p.s.i.
Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

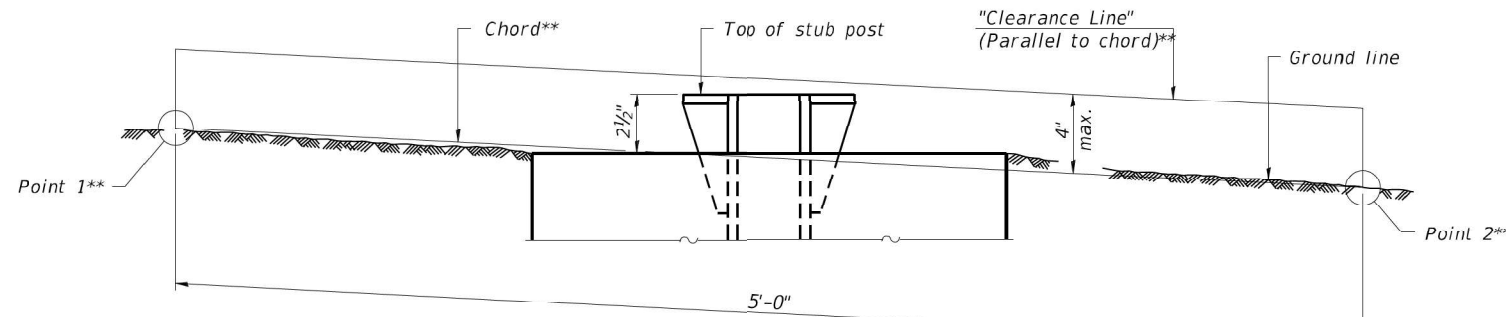
BAW-A-1 2-17-2017

(Sheet 1 of 2)

POST	CONCRETE FOUNDATION TABLE								POST TO STUB POST CONNECTION DATA								FUSE PLATE DATA					
	Foundation			Reinforcement			Stub Post	POST TO STUB POST CONNECTION DATA								FUSE PLATE DATA						
	Diameter	Minimum Depth	Concrete (1) cu. yds.	Vertical Bars Length	Bar Spirals Diameter	Bar Spirals Length		lbs. (2)	Length	Bolt Size	A	B	C	D	E	t1	t2	R	W	J	K	L
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-3"	5/8" x 3 1/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	1 1/2"	1/4"	4"	2 1/4"	7/8"	1/4"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	5/8" x 3 1/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	1 1/2"	1/4"	6"	3 1/2"	1 1/4"	3/8"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	3/4" x 3 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	1 3/2"	5/16"	5 1/4"	2 3/4"	1 1/4"	3/8"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2 1/2"	105'-0"	92	3'-0"	3/4" x 3 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	1 3/2"	5/16"	5 3/4"	2 3/4"	1 1/2"	1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2 1/2"	112'-0"	98	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	1 5/2"	3/8"	5 3/4"	2 3/4"	1 1/2"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2 1/2"	119'-0"	107	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	1 5/2"	3/8"	6 1/2"	3 1/2"	1 1/2"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8 1/2"	145'-0"	113	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	1 5/2"	3/8"	6 3/4"	3 1/2"	1 3/8"	1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8 1/2"	153'-0"	122	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	1 7/2"	3/8"	6 3/4"	3 1/2"	1 3/8"	1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8 1/2"	162'-0"	130	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	1 7/2"	3/8"	7"	3 1/2"	1 3/4"	1/2"

*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE																					
	Sign Height																					
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"	
W6x9	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	---	---	---	---	---	---	---	---	---	---	---	---	
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	---	---	---	---	---	---	---	---	---	---	---	
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	---	---	---	---	---	---	---	---	
W10x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	---	---	---	---	---	---	---	
W12x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	---	---	---	---	---	---	
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	---	---	---	
W14x38	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"
W16x45	---	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"



ELEVATION
GROUND LINE & STUB POST

** For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

- ① Quantity includes all concrete necessary for one foundation.
- ② Includes reinforcement bars and spiral hooping for one foundation.

BAW-A-2

2-17-2017

(Sheet 2 of 2)

MODEL: Sheet 011
FILE NAME: p:\pub\baaw-a-2\comb\baaw-a-2\2017\baaw-a-2\2017\baaw-a-2\baaw-a-2.dwg



USER NAME	scraven	DESIGNED	-	REVISED	-
DRAWN	-	REVISION	-	REVISION	-
PLOT SCALE	0.8000" = 1'-0"	CHECKED	-	REVISION	-
PLOT DATE	3/16/2022	DATE	-	REVISION	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY WIDE FLANGE
STEEL SIGN POST TABLES

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1,25-5)R	EFFINGHAM	790	353
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL GENERAL NOTES

1. EXCEPT WHERE MODIFIED BY THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS OR THE DETAILS IN THE PLANS, ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2022; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2022; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" MAY 1996 FIFTH EDITION; THE "DETAILS" IN THE PLANS; AND THE "SPECIAL PROVISIONS" IN THE CONTRACT DOCUMENTS.
2. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT STANDARDS.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE SOIL AND GROUNDWATER CONDITIONS AT THE SITE. COPIES OF AVAILABLE GEOTECHNICAL INFORMATION ARE AVAILABLE FROM IDOT FOR REVIEW AND INFORMATION.
4. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOUR NOTIFICATION IS REQUIRED).
5. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, MUNICIPALITIES AND COUNTIES.
6. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON CITY, COUNTY OR STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
7. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
8. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS. STATIONS ARE SHOWN FOR REFERENCE ONLY.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
10. THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
11. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS AT THE DIRECTION OF THE ENGINEER. THIS WORK IS INCLUDED AS PART OF THE CONTRACT AND SHALL BE INCLUDED IN THE CONTRACT BID PRICES FOR ASSOCIATED ITEMS.
12. THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS AT THE DIRECTION OF THE PERMITTING AGENCIES. THIS WORK IS INCLUDED AS PART OF THE CONTRACT AND SHALL BE INCLUDED IN THE CONTRACT BID PRICES FOR ASSOCIATED ITEMS.
13. CLEARING SHALL BE DONE TO THE CONSTRUCTION LIMITS OF THE PROJECT. CLEARING WILL NOT BE MEASURED FOR PAYMENT.
14. THE CONSTRUCTION LIMITS WILL BE STAKED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION. PAYMENT FOR THIS WORK WILL BE INCLUDED WITHIN THE ITEM CONSTRUCTION LAYOUT. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGED CONSTRUCTION LIMITS.
15. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.
16. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE ILLINOIS URBAN MANUAL LATEST UPDATE.
17. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE AT ALL TIMES.
18. PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS), A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR ACCEPTANCE.
19. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE REGULATORY AUTHORITIES, THESE ADDITIONAL ITEMS ARE INCIDENTAL TO THE CONTRACT.
20. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURE IS PROHIBITED.
21. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEMS (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.
22. PERIMETER EROSION CONTROL BARRIER SHALL BE ERECTED ADJACENT TO TEMPORARY CONSTRUCTION FENCE IN SELECTED LOCATIONS. THE RESIDENT ENGINEER SHALL HAVE FINAL DETERMINATION OF THE PLACEMENT AND LOCATION OF THE PERIMETER EROSION CONTROL BARRIER.
23. COMPLETED SLOPES (SECTION OF ROAD EMBANKMENT) SHALL BE SEEDED AND BLANKETED AS THE EXCAVATION PROCEEDS AS REQUIRED BY THE PERMITS AND AS DESIRABLE AND PRACTICAL. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
24. CLEANING OF VEHICLES AND EQUIPMENT SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT POSSIBLE.
25. REFER TO STORM WATER POLLUTION PREVENTION PLAN FOR INSPECTION AND MAINTENANCE SCHEDULES, AND SEQUENCE OF ACTIVITIES.
26. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUN OFF. LEAKY EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.

EROSION CONTROL GENERAL NOTES (CONT'D)

27. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
28. THE MAINTENANCE AND REPAIR OR REPLACEMENT OF EROSION CONTROL ITEMS, WHEN DIRECTED BY THE ENGINEER, WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED PAY ITEMS.
29. TEMPORARY EROSION CONTROL SEEDING MIXTURE WILL DEPEND ON THE TIME OF YEAR SEED IS TO BE APPLIED AND SHALL BE IN ACCORDANCE WITH ARTICLE 1081.15(G) OF THE STANDARD SPECIFICATIONS. STABILIZATION OF ALL AREAS DISTURBED BY CONSTRUCTION SHALL COMMENCE WITHIN 1 DAY AND BE COMPLETE WITHIN 14 DAYS FOR ANY PORTION OF THE SITE THAT WILL BE IDLE FOR MORE THAN 14 DAYS. IF THAT PORTION OF THE SITE WILL BECOME ACTIVE AGAIN AFTER 14 DAYS, TEMPORARY STABILIZATION MEASURES CAN BE USED.
30. DUST CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 107.36 OF THE STANDARD SPECIFICATIONS.
31. WHENEVER DURING CONSTRUCTION OPERATIONS, LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC., SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIAL CREATED AS A RESULT THEREOF.
32. BROADCASTING OF THE SEED BY MACHINE, HAND METHODS, HYDRAULIC SEEDING OR OTHER METHODS APPROVED BY THE ENGINEER WILL BE ALLOWED FOR TEMPORARY EROSION CONTROL SEEDING.
33. TOPSOIL AND FERTILIZER NUTRIENTS ARE NOT REQUIRED FOR TEMPORARY EROSION CONTROL SEEDING.
34. SEED BED PREPARATION WILL NOT BE REQUIRED FOR TEMPORARY EROSION CONTROL SEEDING IF THE SOIL IS IN A LOOSE CONDITION. LIGHT DISKING SHALL BE DONE IF THE SOIL IS HARD PACKED OR CAKED.
35. TEMPORARY EROSION CONTROL BLANKET SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AFTER TEMPORARY EROSION CONTROL SEEDING HAS BEEN COMPLETED AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
36. SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND LIVE STREAMS OR WETLANDS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE AND STABILIZED IN ACCORDANCE WITH MULCH METHOD 2 IMMEDIATELY WHEN THE TOPSOIL SHALL BE UNDISTURBED FOR 14 DAYS, AND STABILIZATION SHALL BE COMPLETED WITHIN 14 DAYS. THE CONTRACTOR WILL PROVIDE AN ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCKPILE.
37. ALL EROSION AND SEDIMENT CONTROL (ESC) MEASURES SHOULD BE CHECKED WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY, DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED AFTER EACH SIGNIFICANT SNOWFALL.
38. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED TO REDUCE OR ELIMINATE THE TRACKING OF SEDIMENT ON PUBLIC RIGHT-OF-WAY OR STREETS. STABILIZED CONSTRUCTION ENTRANCES SHALL ONLY BE CONSTRUCTED AT LOCATIONS APPROVED BY THE ENGINEER.
39. THE EROSION AND SEDIMENT CONTROLS SHOWN IN THE PLANS REPRESENT THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED BY THE ENGINEER OR REPRESENTATIVES OF REGULATORY OR PERMITTING AGENCIES. ANY EMERGENCY CONTROL MEASURES REQUESTED BY A REGULATORY OR PERMITTING AGENCY MUST BE INSTALLED IMMEDIATELY.
40. ALL TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND DISTURBED AREAS ARE PERMANENTLY STABILIZED.
41. THE HEIGHT OF DITCH CHECKS AND INLET PROTECTION SHALL NOT EXCEED 2 FOOT TO PREVENT DEEP POOLS OF WATER. HEIGHTS OF THESE DEVICES SHALL BE SELECTED WITH CONSIDERATION OF HOW RAISING WATER LEVELS WILL IMPACT SURROUNDING FACILITIES AND TRAFFIC.

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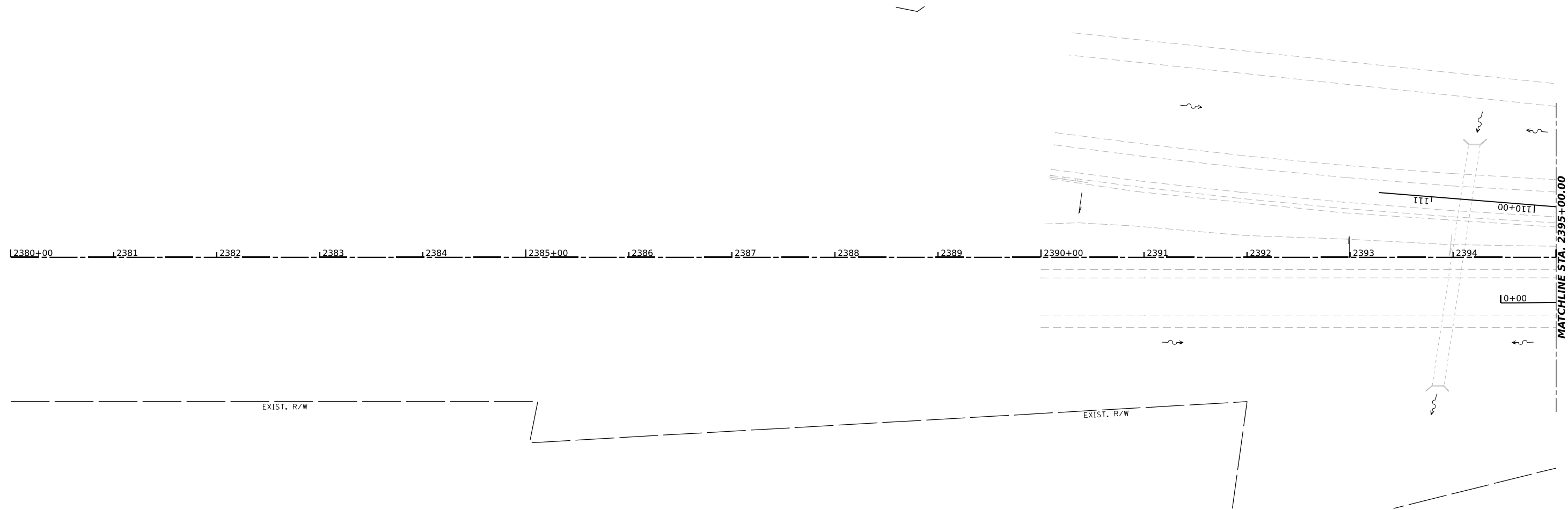
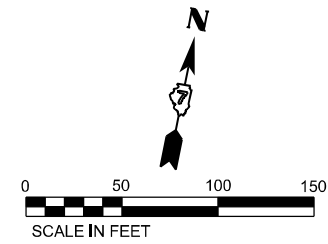
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL
GENERAL NOTES**

SCALE: SHEET 1 OF 35 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4-1,25-5)R	EFFINGHAM	790	354
CONTRACT NO. 74599				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

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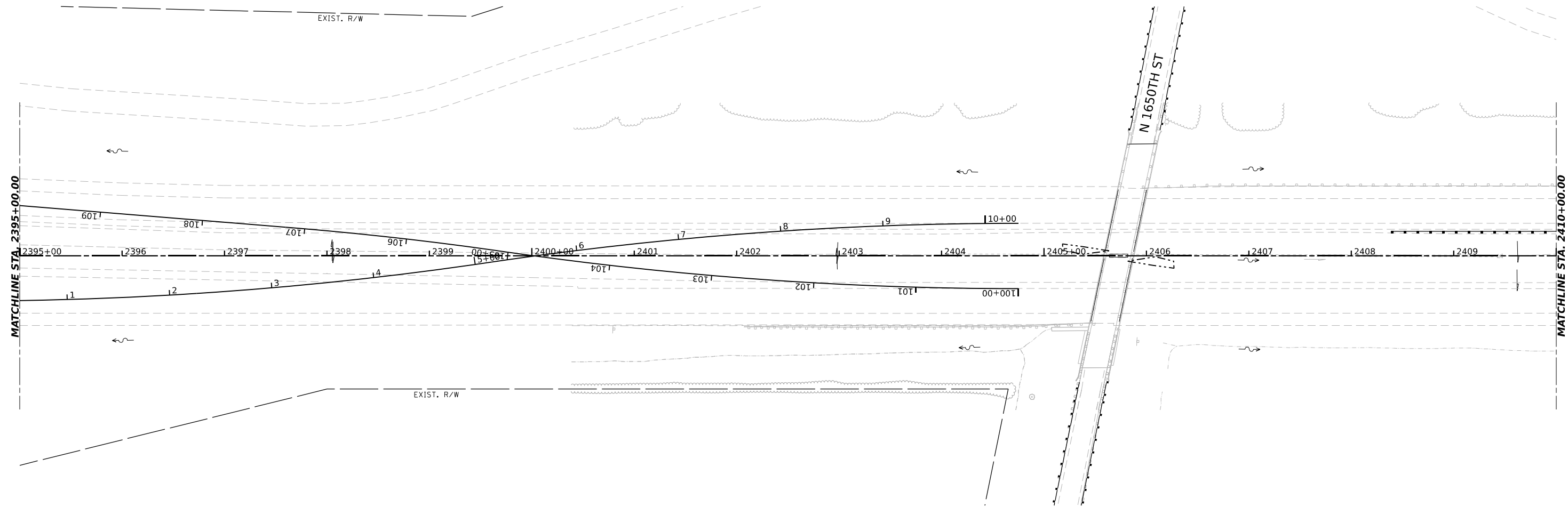
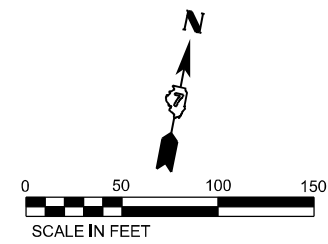
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PLOT DATE	3/14/2022	DATE -	03/04/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 2 OF 35 SHEETS STA. TO STA. 2395+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+1.25-5)R	EFFINGHAM	790	355
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

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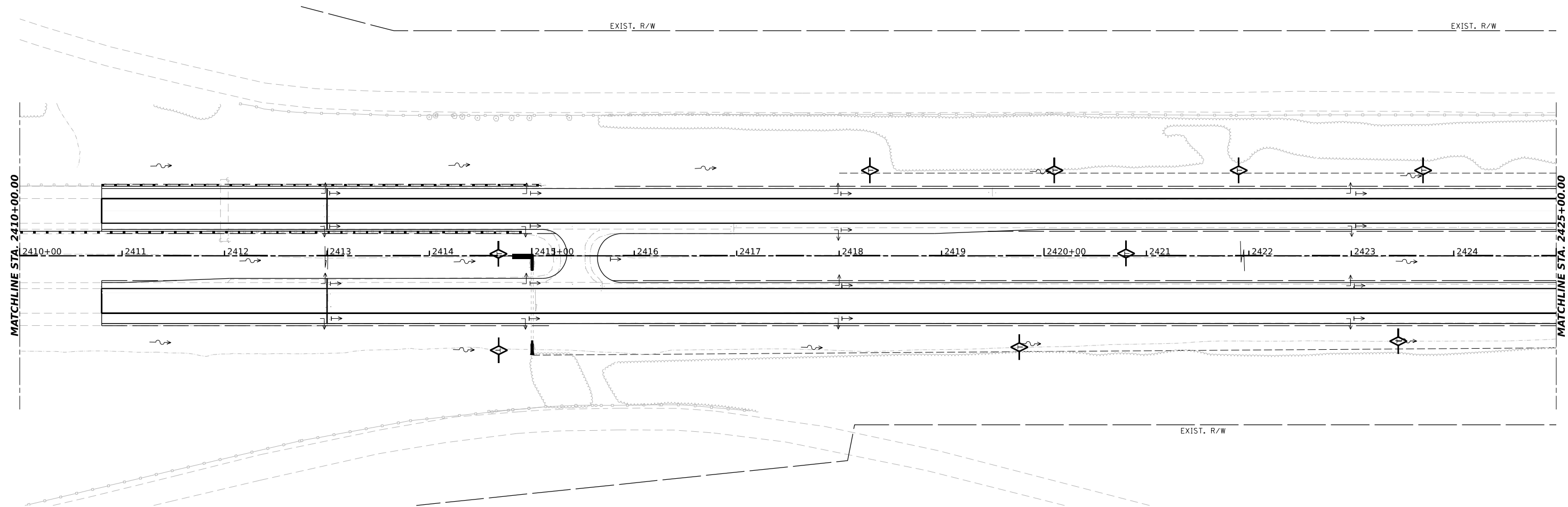
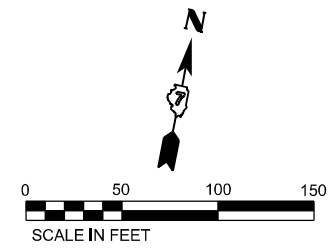
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 3 OF 35 SHEETS STA. 2395+00.00 TO STA. 2410+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4+1.25-5)R	EFFINGHAM	790	356
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

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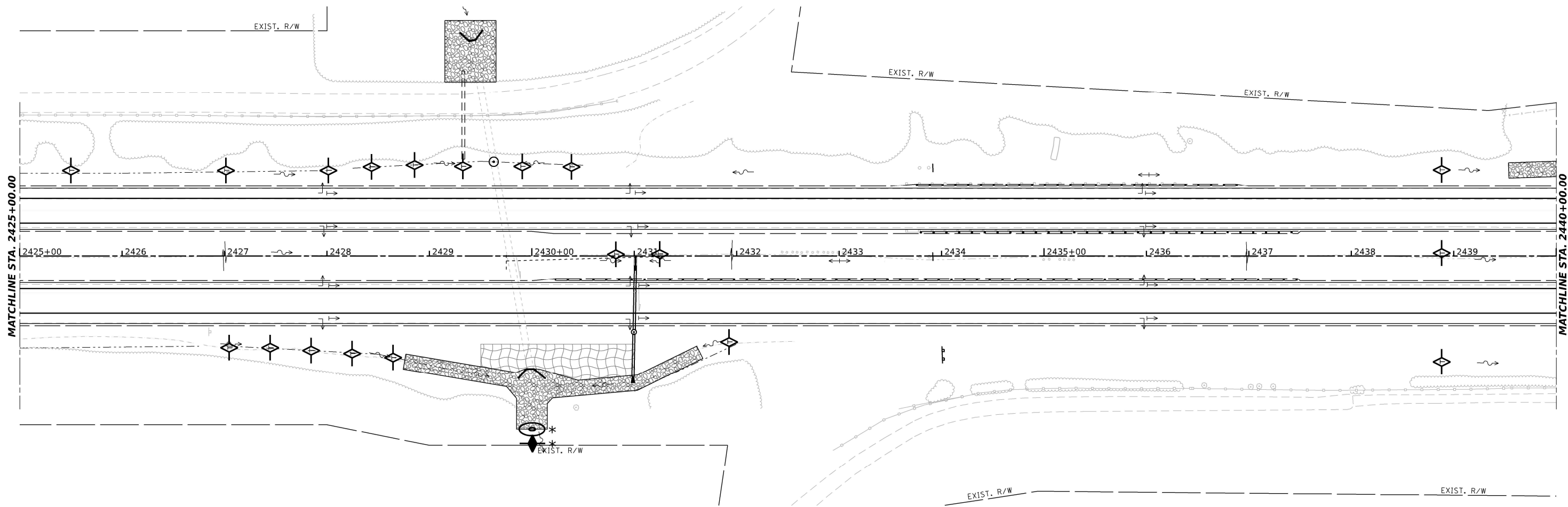
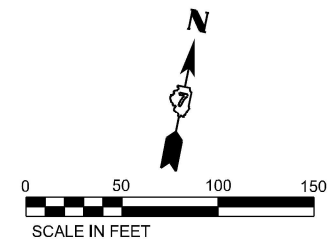
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 4 OF 35 SHEETS STA. 2410+00.00 TO STA. 2425+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4+1.25-5)R	EFFINGHAM	790	357
CONTRACT NO. 74599				

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT



MATCHLINE STA. 2425+00.00

MATCHLINE STA. 2440+00.00

- LEGEND:**
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - PLACE AT START OF CONSTRUCTION

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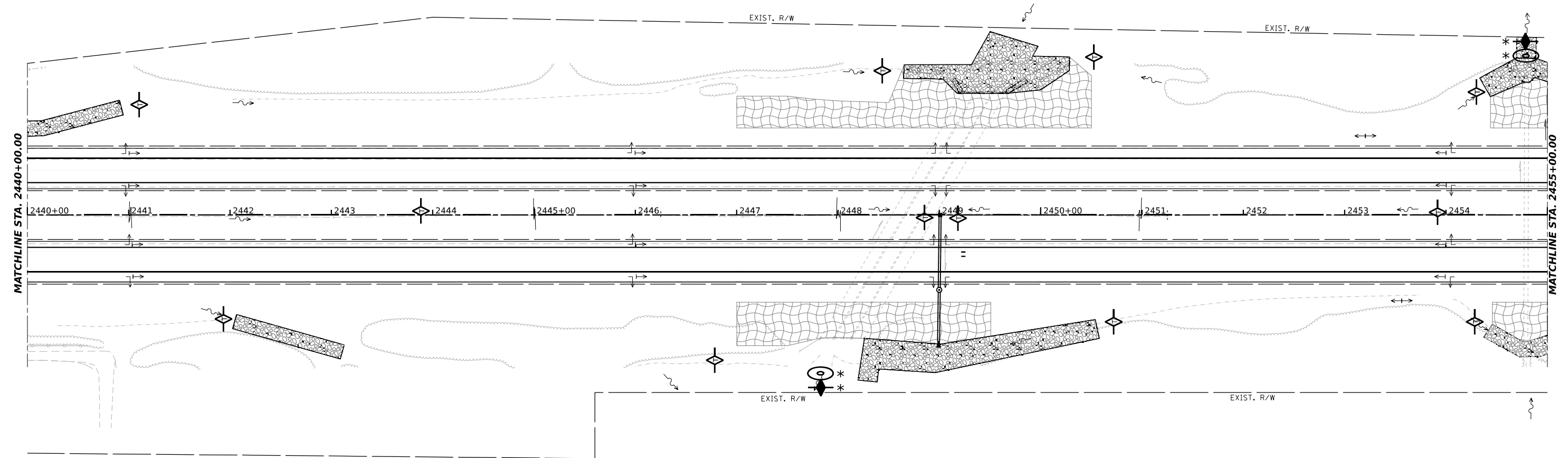
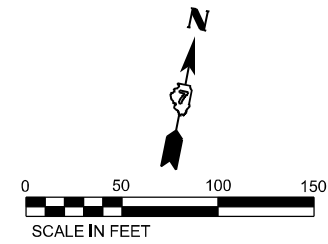
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PLOT DATE	3/14/2022				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 5 OF 35 SHEETS STA. 2425+00.00 TO STA. 2440+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1.25-5)R	EFFINGHAM	790	358
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:**
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - PLACE AT START OF CONSTRUCTION

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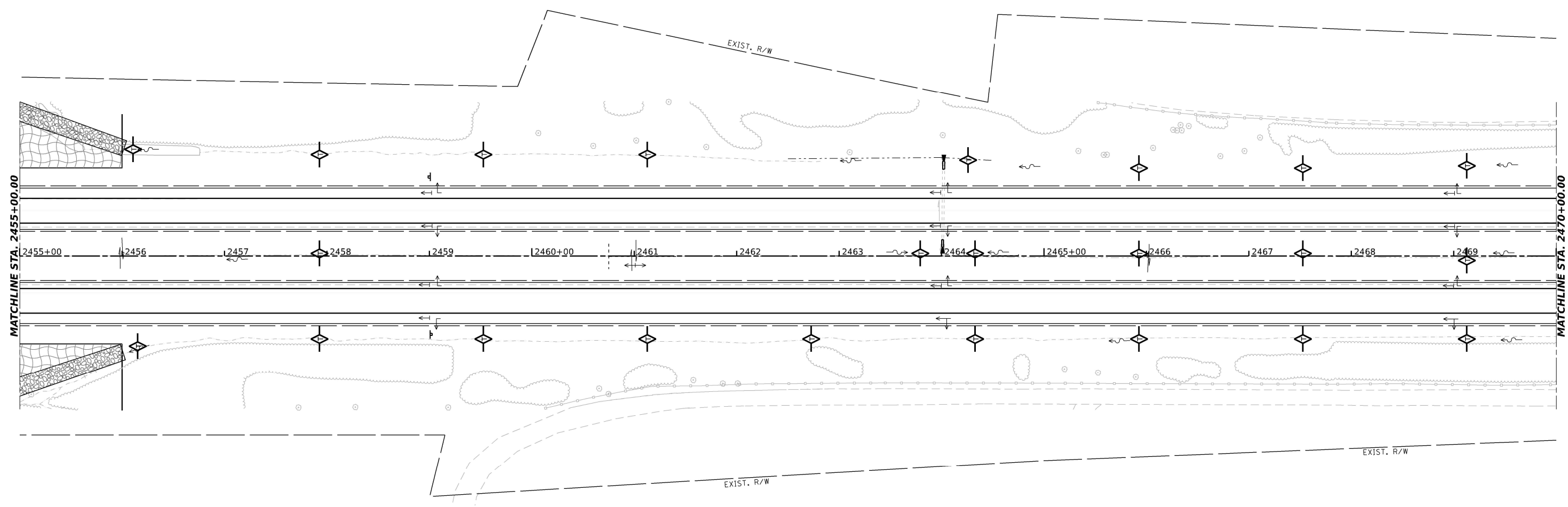
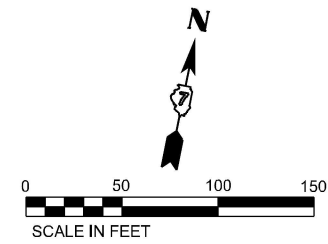
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 6 OF 35 SHEETS STA. 2440+00.00 TO STA. 2455+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4+1.25-5)R	EFFINGHAM	790	359
CONTRACT NO. 74599				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 2455+00.00

MATCHLINE STA. 2470+00.00

- LEGEND:**
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

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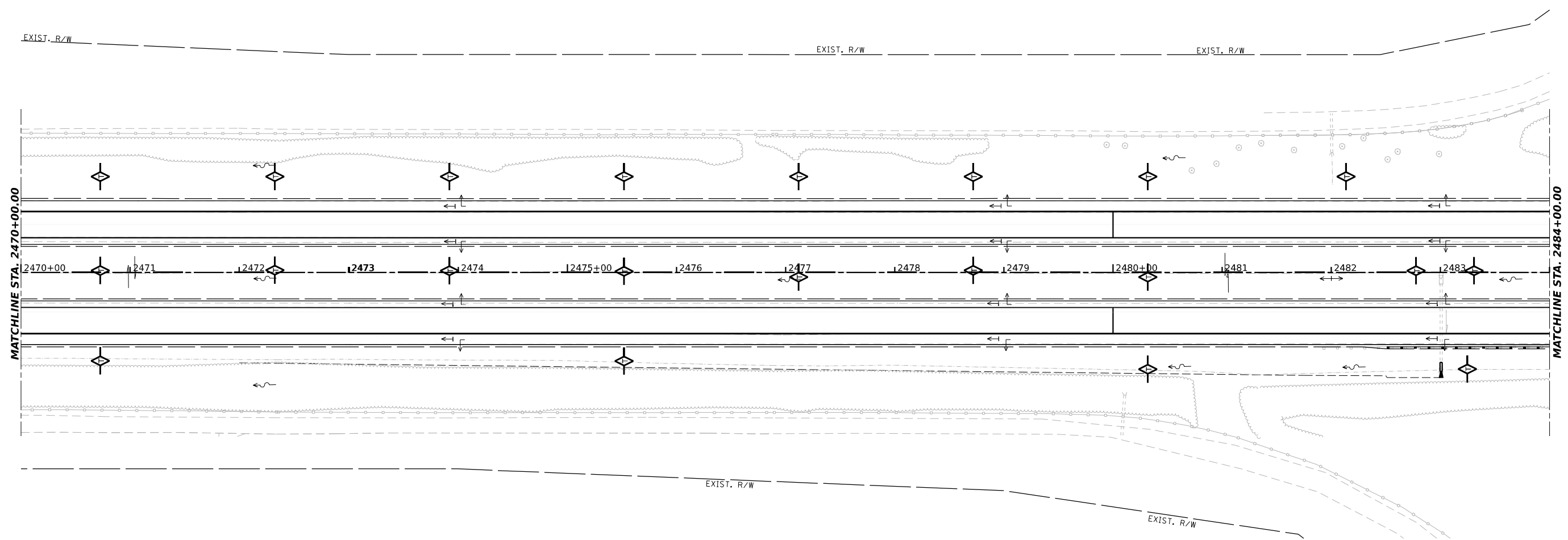
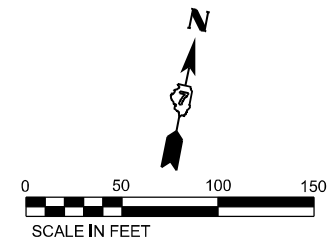
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PLOT DATE	3/14/2022				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 7 OF 35 SHEETS STA. 2455+00.00 TO STA. 2470+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1.25-5)R	EFFINGHAM	790	360
CONTRACT NO. 74599				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



- LEGEND:**
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - PLACE AT START OF CONSTRUCTION

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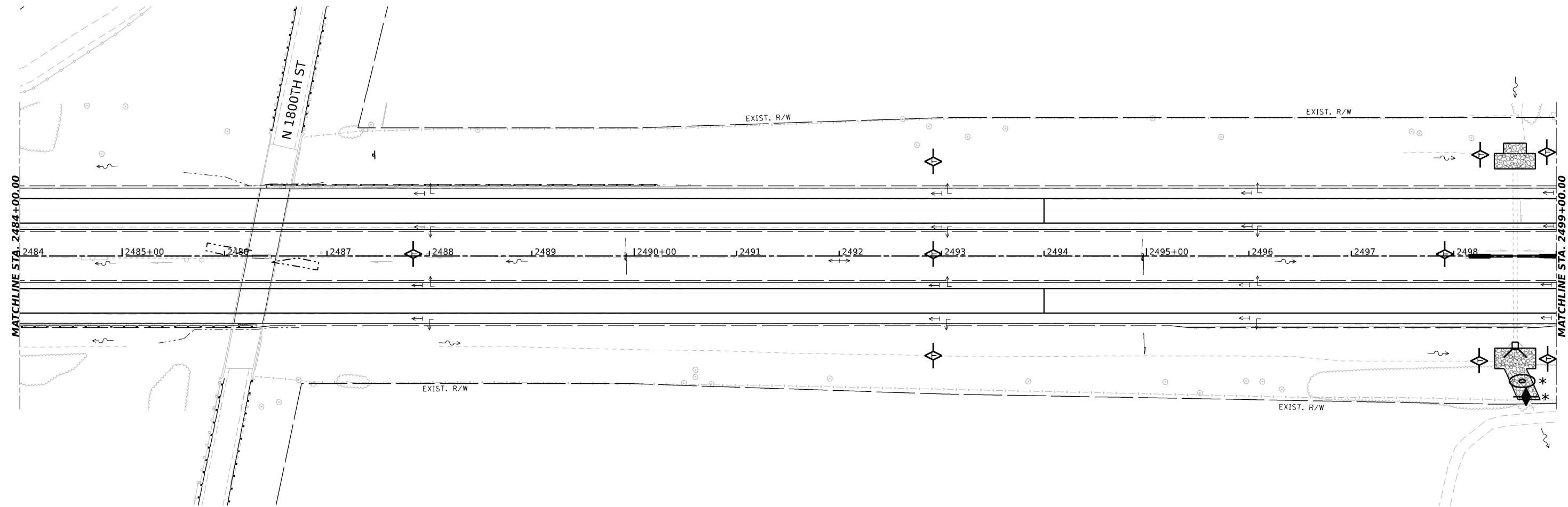
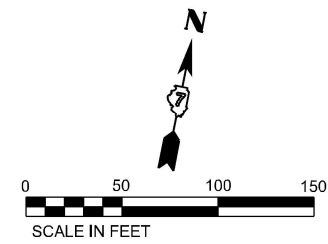
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PLOT DATE	3/14/2022				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 8 OF 35 SHEETS STA. 2470+00.00 TO STA. 2484+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4+1.25-5)R	EFFINGHAM	790	361
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 74599	
FED. AID PROJECT				



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - PLACE AT START OF CONSTRUCTION

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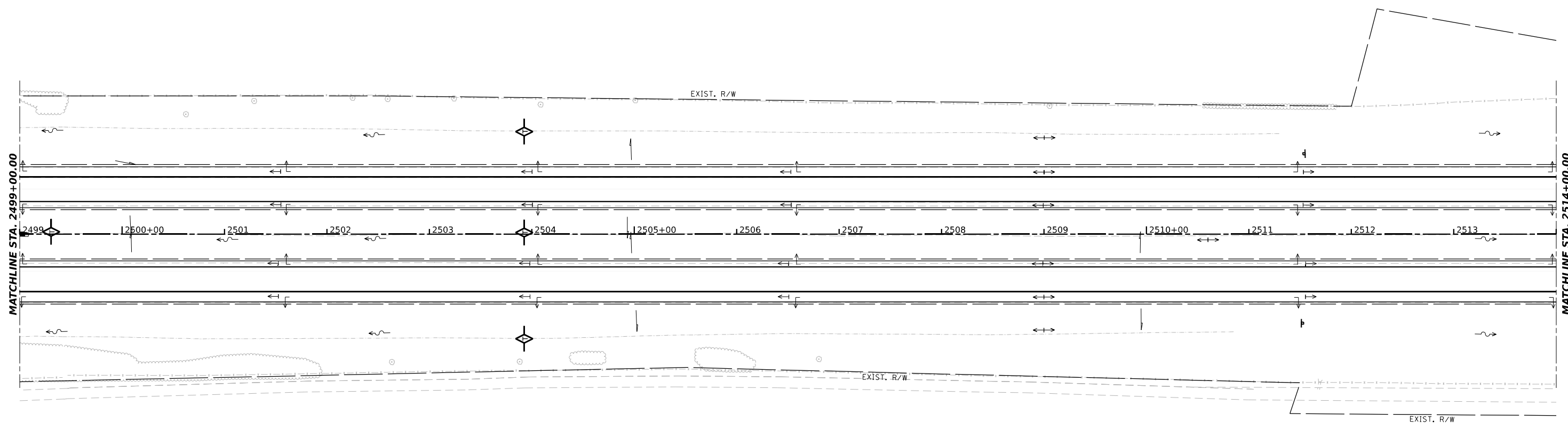
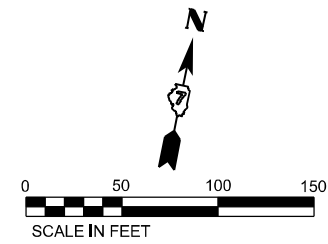
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		REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 9 OF 35 SHEETS STA. 2484+00.00 TO STA. 2499+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1.25-5)R	EFFINGHAM	790	362
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

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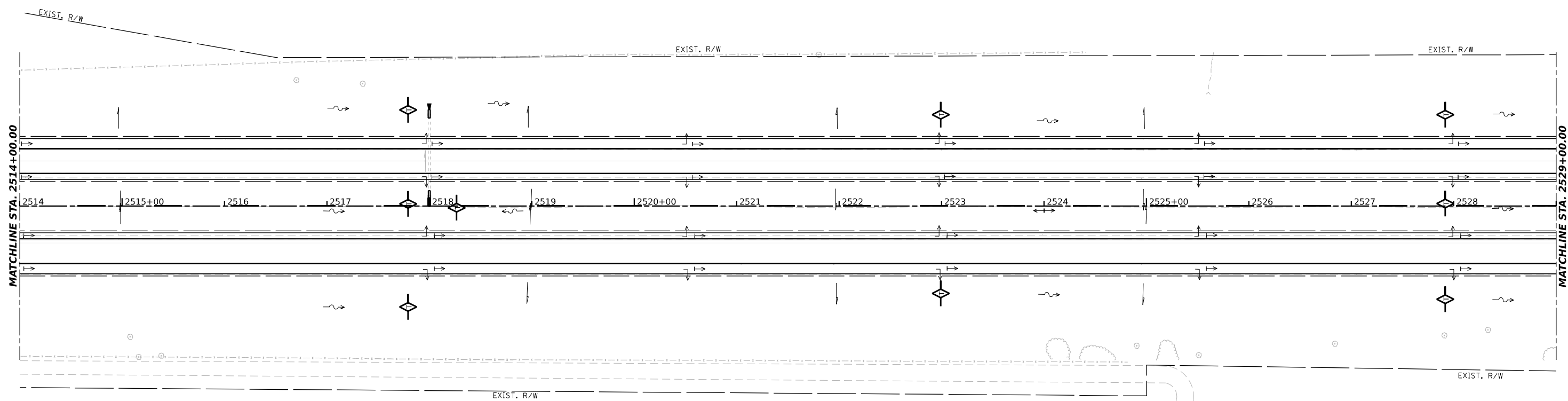
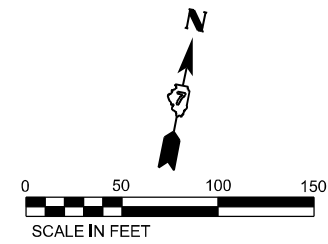
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DRAWN	MRT	CHECKED	DPW	REVISED	-
PLOT SCALE	0.16666633 */in.	DATE	03/04/2022	REVISED	-
PLOT DATE	3/14/2022				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 10 OF 35 SHEETS STA. 2499+00.00 TO STA. 2514+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4+1.25+5)R	EFFINGHAM	790	363
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

MODEL: T:\TIG\BusinessClients\Bacon\Bacon\Workman\20173\PTB 1974035 K70 Rub\Bacon\400 CADD\02 CADD_Sheets\Sheet_#ErosionControl\Stage1\20174599-erod11.dwg
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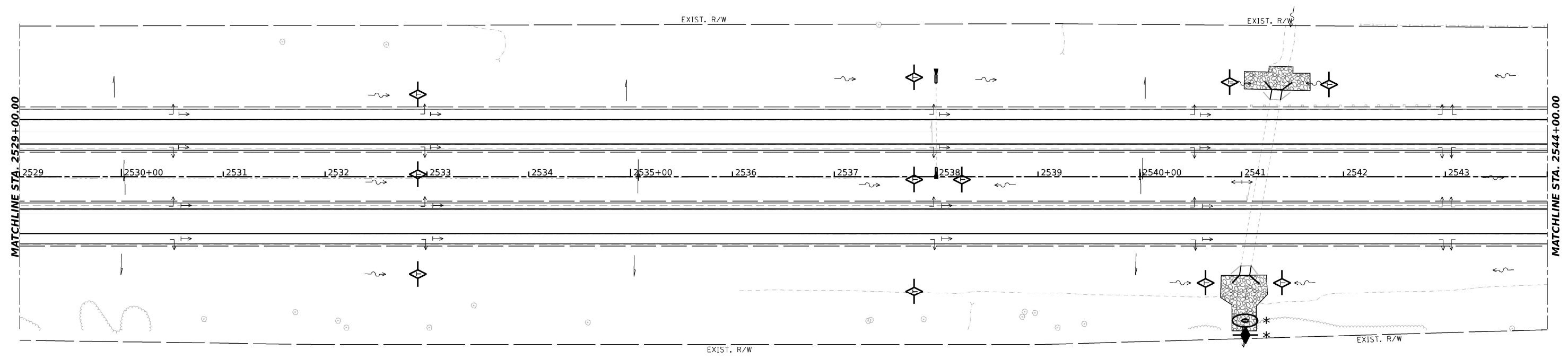
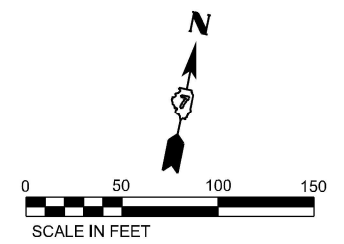
USER NAME	Matthew Toussaint	DESIGNED	MRT	REVISED	-
DRAWN	MRT	CHECKED	DPW	REVISED	-
PLOT SCALE	0.16666633 */in.	DATE	03/04/2022	REVISED	-
PLOT DATE	3/14/2022				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 11 OF 35 SHEETS STA. 2514+00.00 TO STA. 2529+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4+1.25-5)R	EFFINGHAM	790	364
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

MODEL: T:\TG\Bugs\Bugs\Bacon\Farmer\Workman\20-173_PTB_197-035_K7D_Road\Rebar\400_CADD_Sheets\Sheet_12\074599-erodition1.dgn
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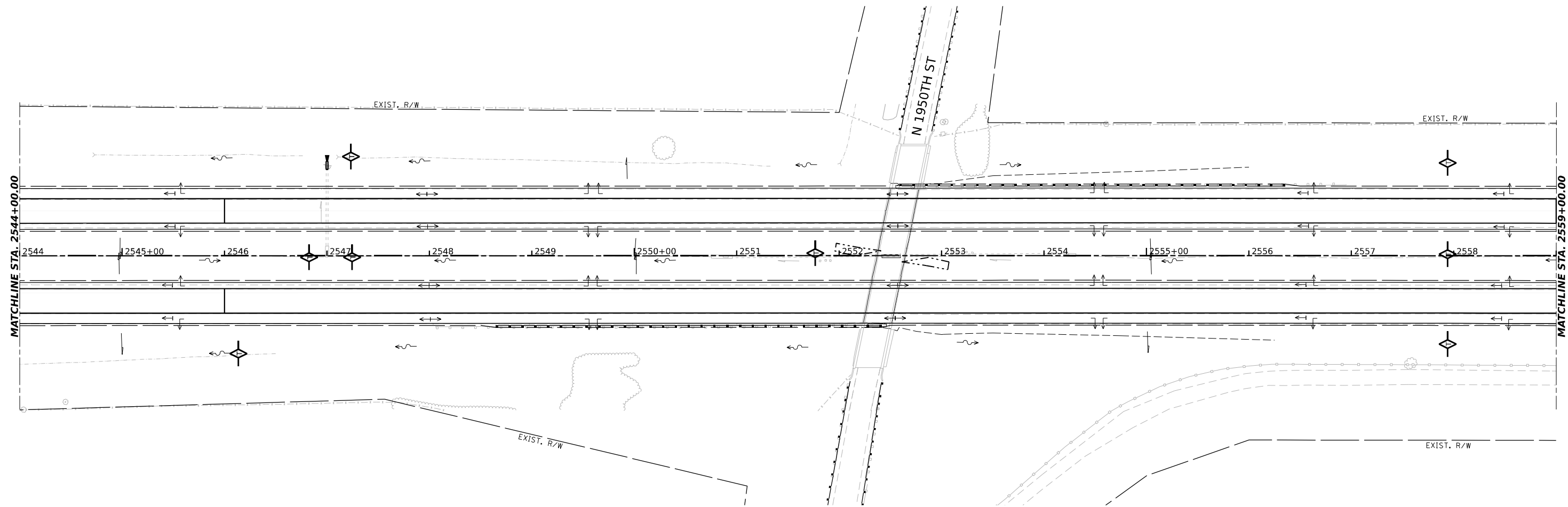
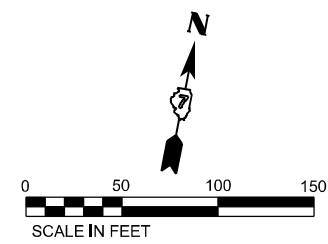
USER NAME	MatthewToussaint	DESIGNED	MRT	REVISED	-
DRAWN	MRT	CHECKED	DPW	REVISED	-
PLOT SCALE	0.16666633"/in.	DATE	03/04/2022	REVISED	-
PLOT DATE	3/14/2022				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 12 OF 35 SHEETS STA. 2529+00.00 TO STA. 2544+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1.25-5)R	EFFINGHAM	790	365
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - PLACE AT START OF CONSTRUCTION

MODEL: T:\TIG\BusinessClients\Bacon\Bacon\Workman\20173\PTB 1974035 K70 Rub\Bacon\400 CADD\402 CADD_Sheets\Sheet_#ErosionControl\Stage1\20174599-erodrom112.dwg
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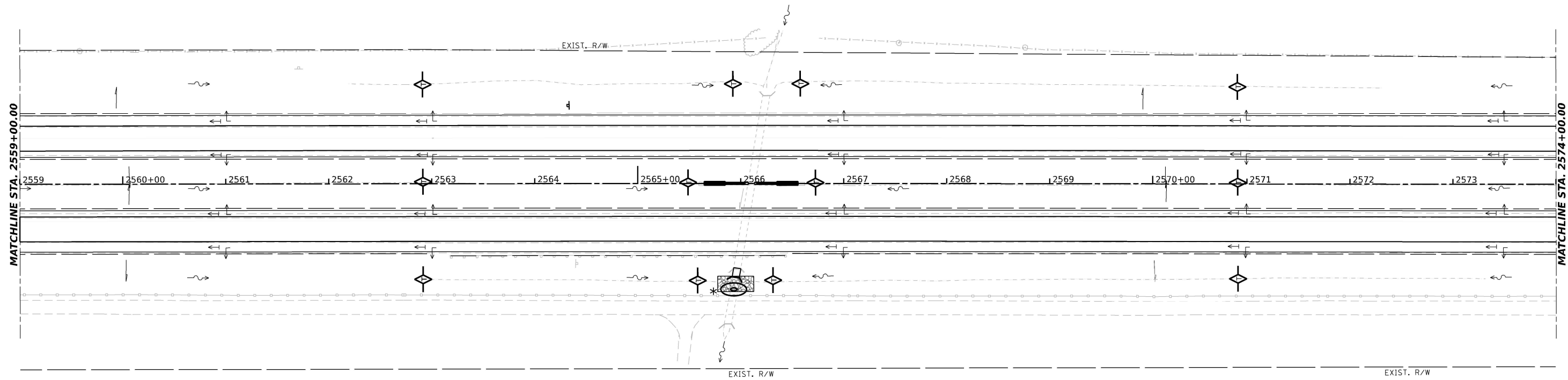
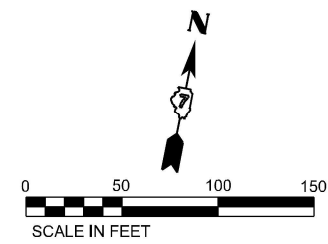
USER NAME	Matthew Toussaint	DESIGNED	MRT	REVISED	-
DRAWN	MRT	CHECKED	DPW	REVISED	-
PLOT SCALE	0.16666633"/in.	DATE	03/04/2022	REVISED	-
PLOT DATE	3/14/2022				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 13 OF 35 SHEETS STA. 2544+00.00 TO STA. 2559+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4+1.25-5)R	EFFINGHAM	790	366
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - PLACE AT START OF CONSTRUCTION

MODEL: I:\TIG\Bugs\Bugs\Bacon\Workman\20-173_PTB_197-035_K70_Road\Rebar\400_CADD_Sheets\Sheet_ErosionControlStage12\0774599-erodim13.dgn
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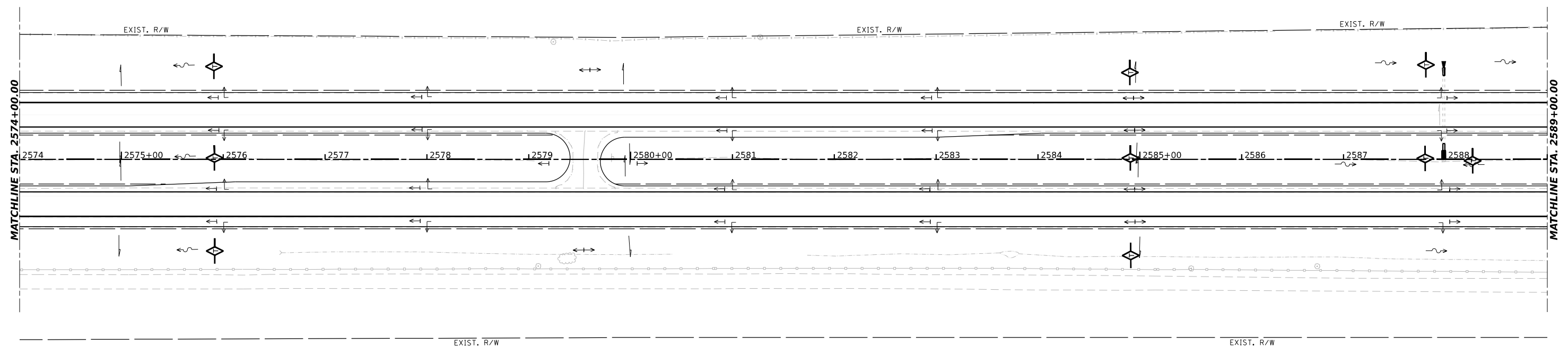
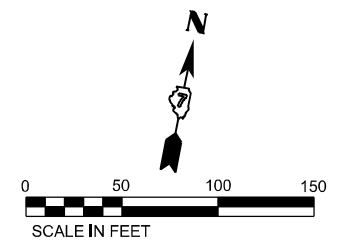
USER NAME	MatthewToussaint	DESIGNED -	MRT	REVISED -	
DRAWN	MRT	CHECKED -	DPW	REVISED -	
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PLOT DATE	3/14/2022				







STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 14 OF 35 SHEETS STA. 2559+00.00 TO STA. 2574+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1.25-5)R	EFFINGHAM	790	367
CONTRACT NO. 74599				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



- LEGEND:**
-  TEMP EROSION CONTROL BLANKET
 -  PROPOSED RIPRAP (SEE ROADWAY PLANS)
 -  PERIMETER EROSION BARRIER
 -  TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 -  AGGREGATE EROSION CONTROL (DITCH CHECK)
 -  EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

MODEL: T:\TIG\BusinessClients\Bacon\Bacon\Workman\20173_PTB_1974035_K70_Rubb\Bacon\400_CADD\402_CADD_Sheets\Sheet_#ErosionControl\Stage1\2022\1974035_K70_Rubb\Bacon\400_CADD\402_CADD_Sheets\Sheet_#ErosionControl\1.dgn



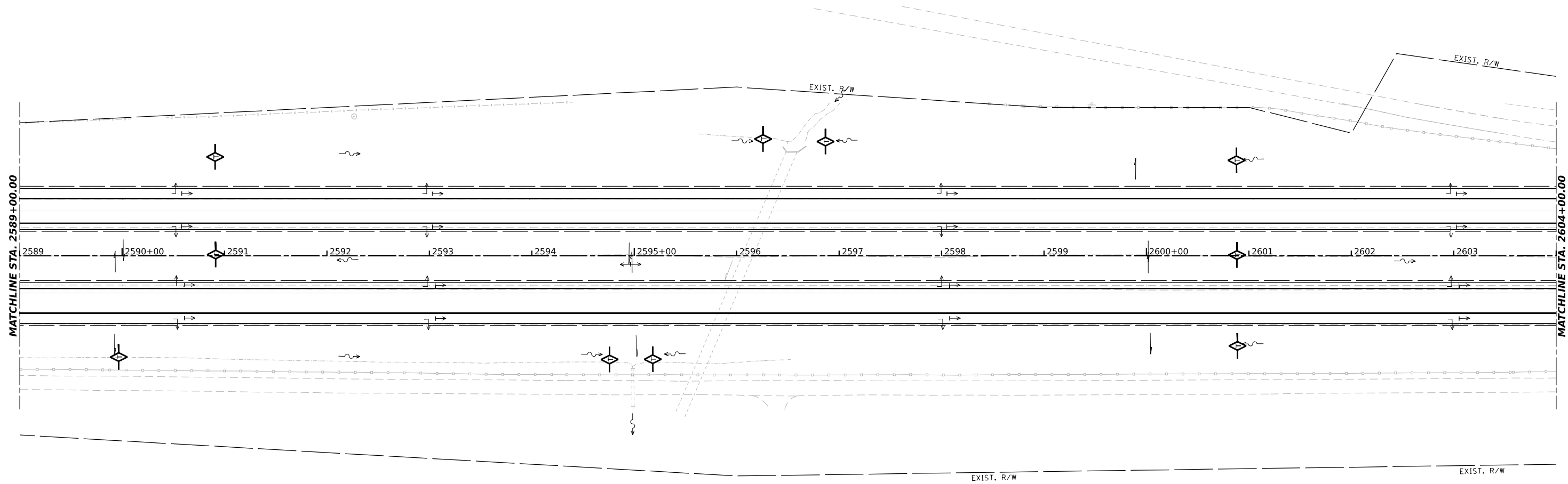
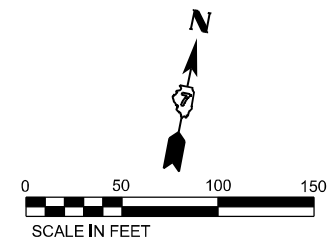
USER NAME	Matthew Toussaint	DESIGNED -	MRT	REVISED -	
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PLOT SCALE	0.16666633 */in.	DATE	03/04/2022	REVISED -	
PLOT DATE	3/14/2022				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 15 OF 35 SHEETS STA. 2574+00.00 TO STA. 2589+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4+1.25-5)R	EFFINGHAM	790	368
CONTRACT NO. 74599				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

MODEL: T:\TIG\BusinessClients\Bacon Farmer\Workman\20173_PTB_1974035_K70_Rubb\Batter\400_CADD\402_CADD_Sheets\Sheet_ErosionControl\Stage1\20173_4599-erodcontrol115.dgn
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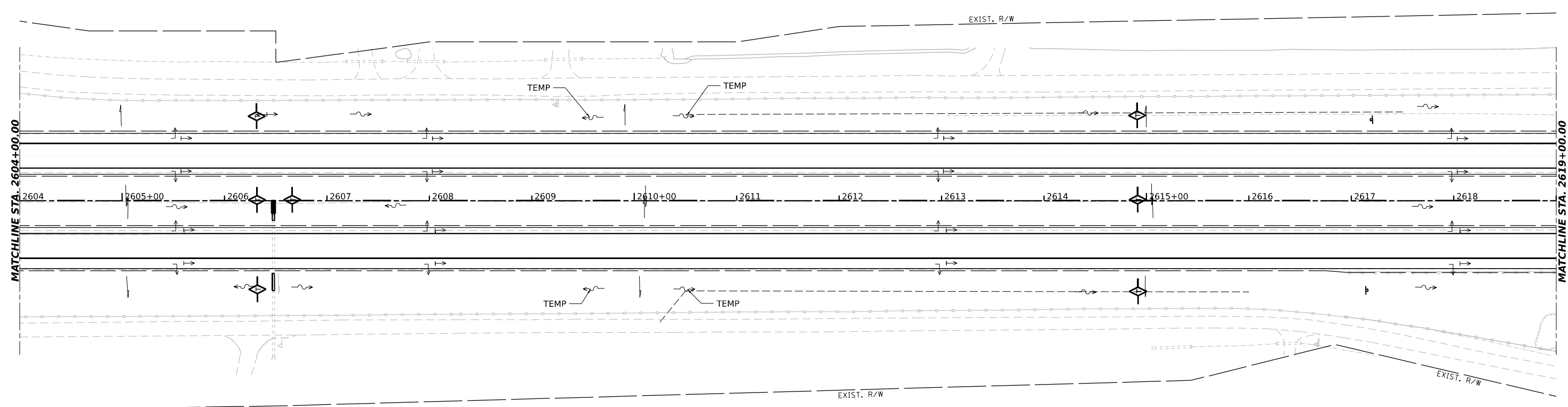
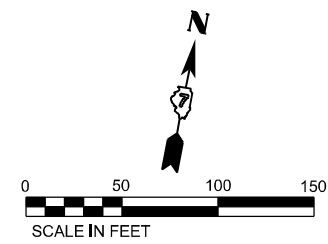
USER NAME	Matthew Toussaint	DESIGNED	MRT	REVISED	-
DRAWN	MRT	CHECKED	DPW	REVISED	-
PLOT SCALE	0.16666633 */in	DATE	03/04/2022	REVISED	-
PLOT DATE	3/14/2022				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 16 OF 35 SHEETS STA. 2589+00.00 TO STA. 2604+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4+1.25-5)R	EFFINGHAM	790	369
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



MATCHLINE STA. 2604+00.00

MATCHLINE STA. 2619+00.00

- LEGEND:**
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

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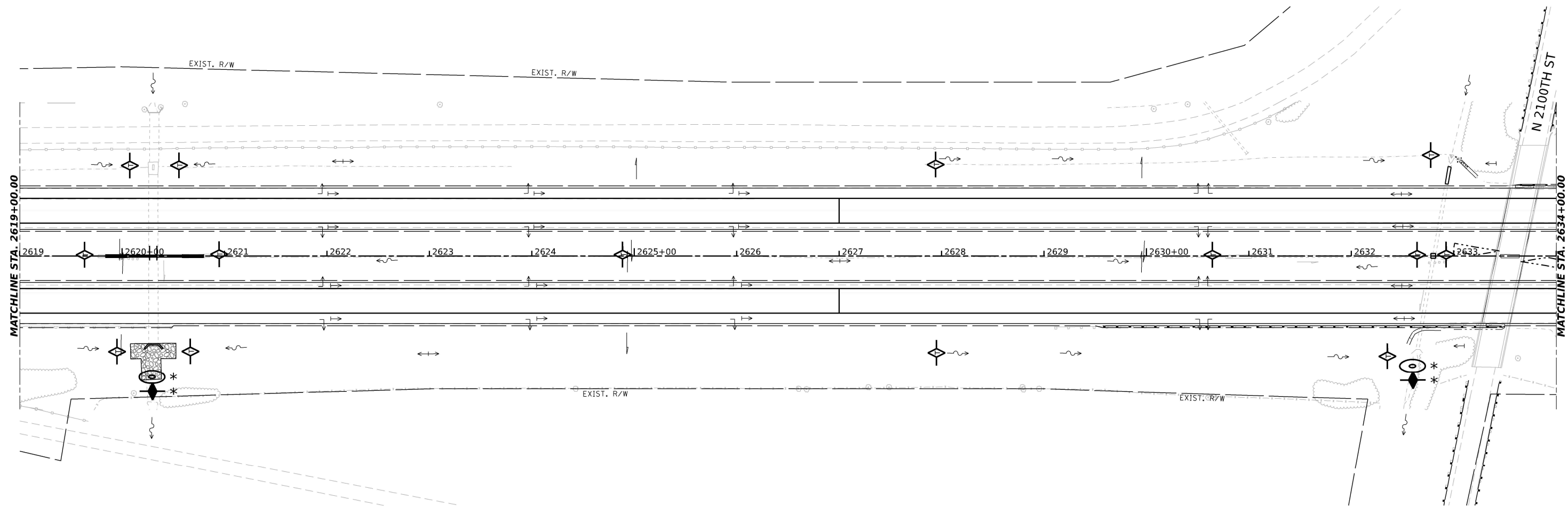
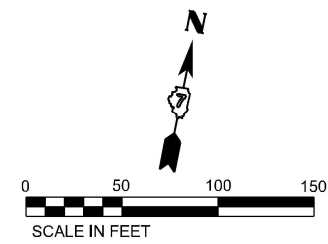
USER NAME	Matthew Toussaint	DESIGNED	MRT	REVISED	-
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PLOT SCALE	0.16666633 */in.	CHECKED	DPW	REVISIONS	
PLOT DATE	3/14/2022	DATE	03/04/2022	REVISIONS	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 17 OF 35 SHEETS STA. 2604+00.00 TO STA. 2619+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4+1.25-5)R	EFFINGHAM	790	370
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:**
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - PLACE AT START OF CONSTRUCTION

MODEL: T:\TIG\BusinessClients\Bacon\Former\Workman\20-173\PTB 197-035 K70\Road\Heat\400 CADD\Sheets\Sheet_#ErosionControl\Stage1\210774599-erodim11.dgn
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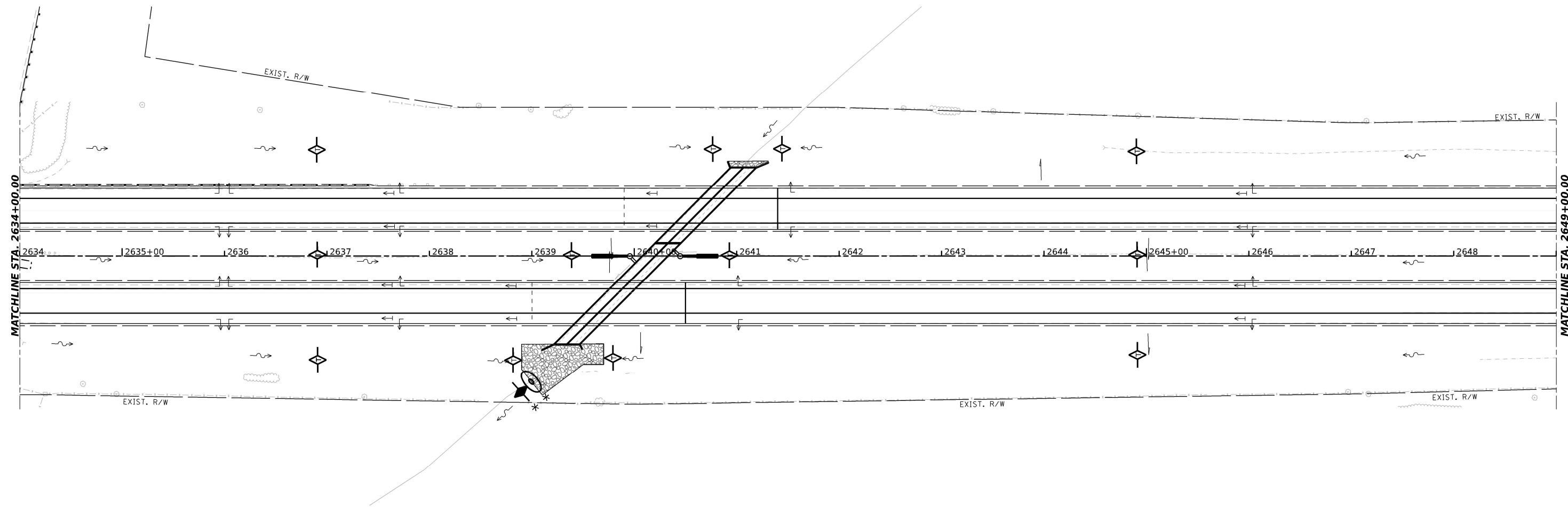
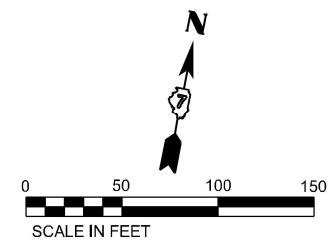
USER NAME	Matthew Toussaint	DESIGNED	MRT	REVISED	-
DRAWN	MRT	CHECKED	DPW	REVISED	-
PLOT SCALE	0.16666633 1/in.	DATE	03/04/2022	REVISED	-
PLOT DATE	3/14/2022				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 18 OF 35 SHEETS STA. 2619+00.00 TO STA. 2634+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1.25-5)R	EFFINGHAM	790	371
CONTRACT NO. 74599				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - PLACE AT START OF CONSTRUCTION

MODEL: T:\TIG\Bugs\Bugs\Bacon Farmer Workman\20-173_PTB_197-035_K70_Road\Rebar\400_CADD_Sheets\Sheet_ErosionControl\Stage1\210774599-erodim18.dgn
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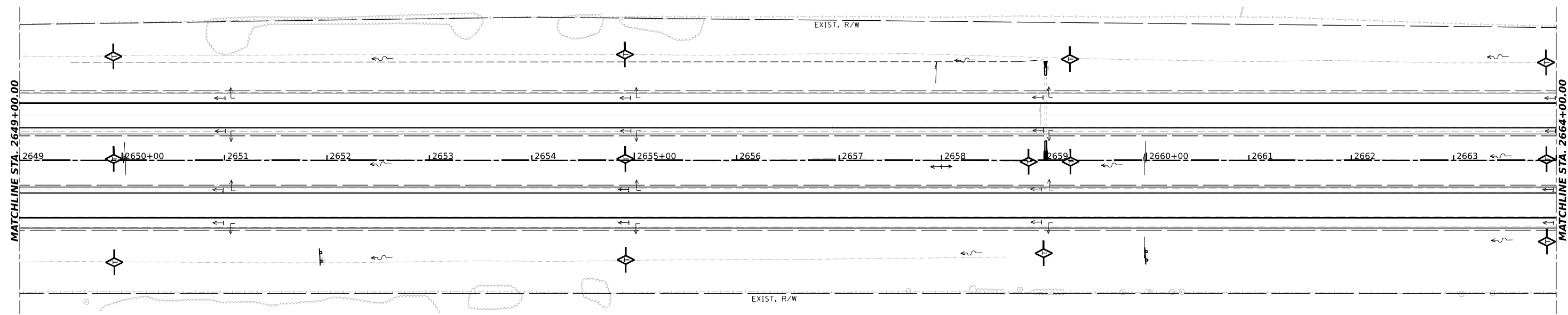
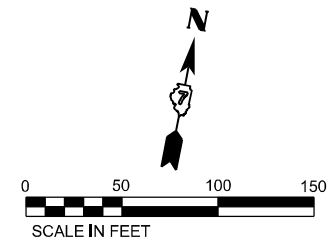
USER NAME	MatthewToussaint	DESIGNED -	MRT	REVISED -	
DRAWN -	MRT	CHECKED -	DPW	REVISIED -	
PLOT SCALE	0.16666633 */in.	DATE	03/04/2022	REVISED -	
PLOT DATE	3/14/2022				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 19 OF 35 SHEETS STA. 2634+00.00 TO STA. 2649+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1.25-5)R	EFFINGHAM	790	372
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

MODEL: T:\TIG\BusinessClients\Bacon\Bacon\Workman\20173\PTB 1974035 K70 Rub\Bacon\400 CADD\402 CADD_Sheets\Sheet_ErosionControl\Stage1\201734599-erod19.dgn
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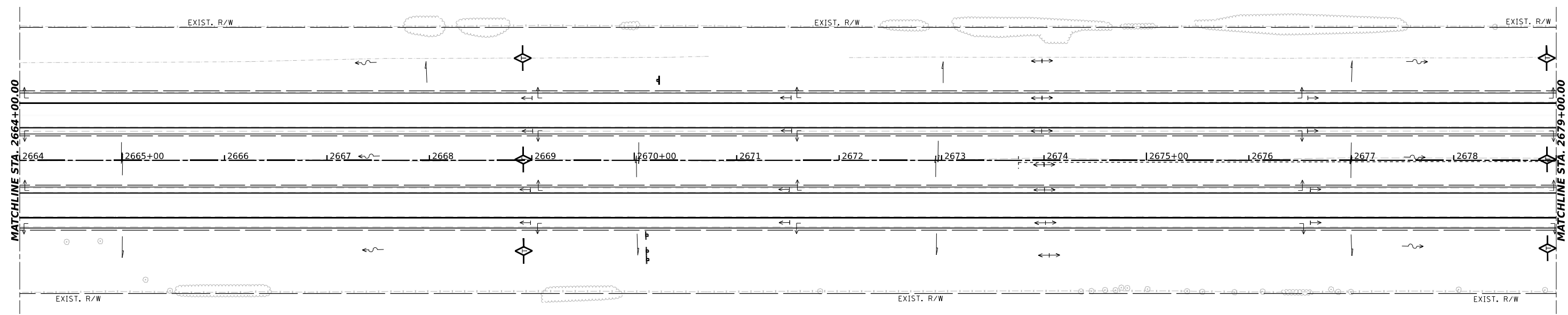
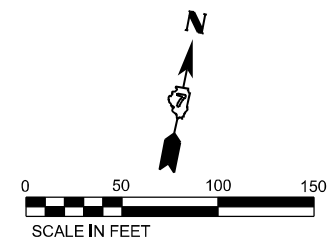
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DRAWN	MRT	CHECKED	DPW	REVISED	-
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PLOT DATE	3/14/2022				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 20 OF 35 SHEETS STA. 2649+00.00 TO STA. 2664+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4+1.25-5)R	EFFINGHAM	790	373
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

MODEL: T:\TIG\BusinessClients\Bacon\Bacon\Workman\20173\PTB 1974035 K70 Rubb\Bacon\400 CADD\402 CADD_Sheets\Sheet_ErosionControl\Stage1\20171459\ArdmoreRoderick120.dgn
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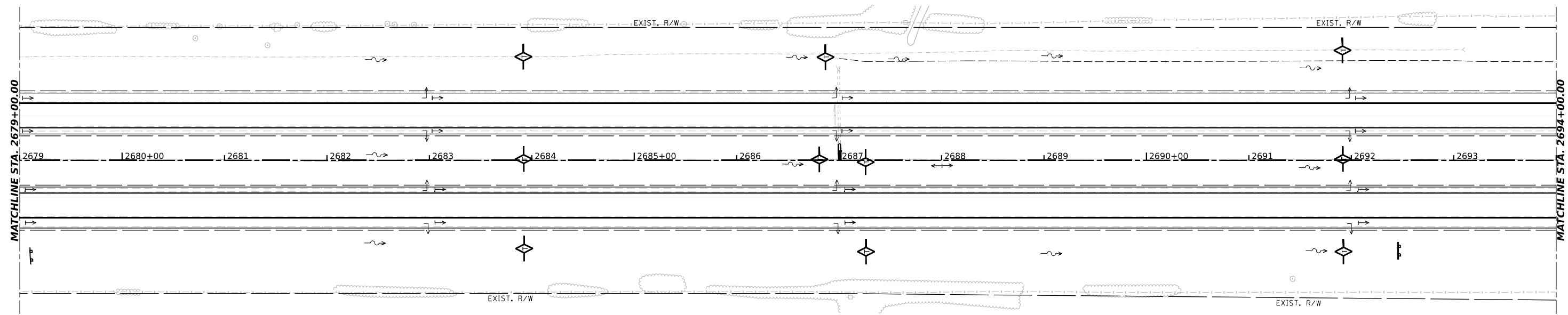
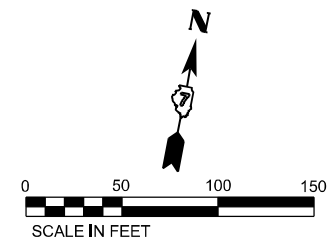
USER NAME	Matthew Toussaint	DESIGNED -	MRT	REVISED -	
DRAWN	MRT	CHECKED -	DPW	REVISED -	
PLOT SCALE	0.16666633 */in.	DATE	03/04/2022	REVISED -	
PLOT DATE	3/14/2022				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 21 OF 35 SHEETS STA. 2664+00.00 TO STA. 2679+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4+1.25-5)R	EFFINGHAM	790	374
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

MODEL: T:\TIG\BusinessClients\Bacon\Bacon\Workman\20173\PTB 1974035 K70 Rubb\Bacon\400 CADD\402 CADD_Sheets\Sheet_ErosionControl\Stage1\201714599-eroseadon121.dgn
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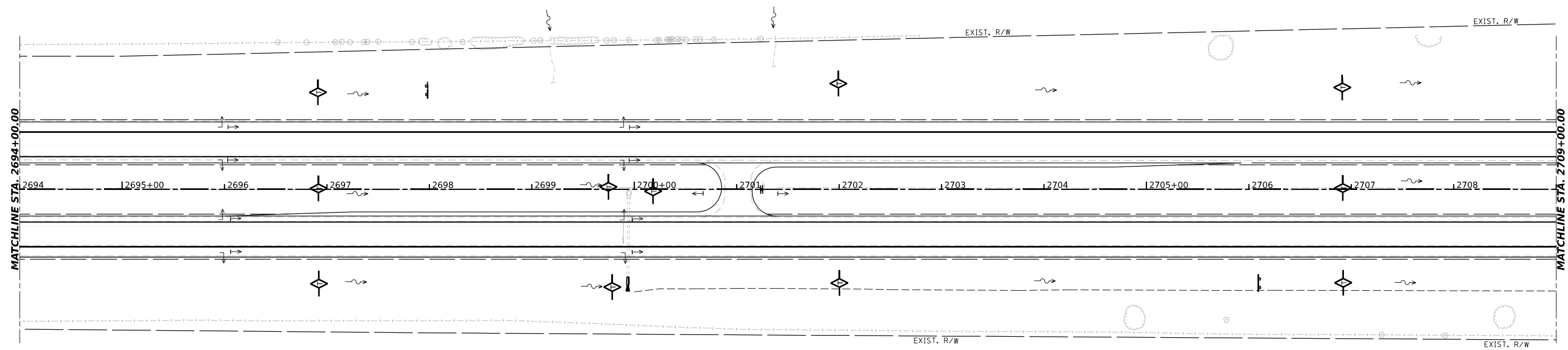
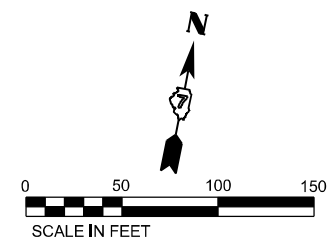
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DRAWN -	MRT	CHECKED -	DPW	REVISIED -	
PLOT SCALE	0.16666633 */in.	DATE	03/04/2022	REVISIED -	
PLOT DATE	3/14/2022				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 22 OF 35 SHEETS STA. 2694+00.00 TO STA. 2709+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4-1.25-5)R	EFFINGHAM	790	375
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

MODEL: T:\TIG\BusinessClients\Bacon\Bacon\Workman\20173_PTB_1974035_K70_Rubb\Bacon\400_CADD\402_CADD_Sheets\Sheet_ErosionControl\Stage1\20173_4599-erodim122.dgn
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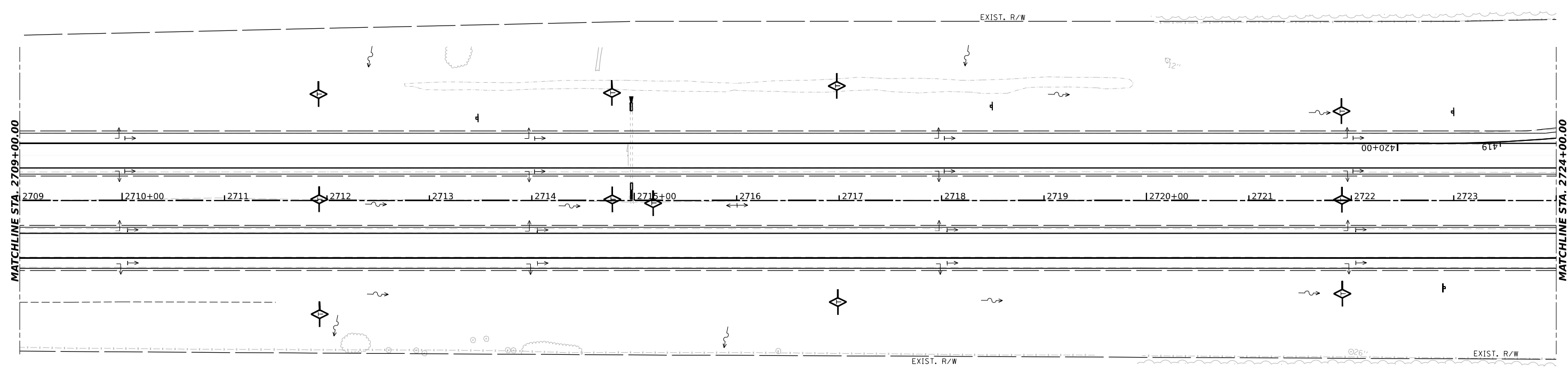
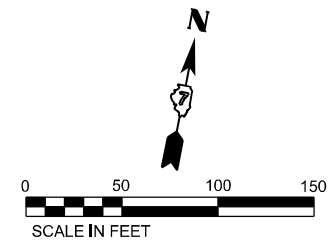
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DRAWN -	MRT	CHECKED -	DPW	REVISED -	
PLOT SCALE	0.16666633 */in.	DATE	03/04/2022	REVISED -	
PLOT DATE	3/14/2022				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 23 OF 35 SHEETS STA. 2694+00.00 TO STA. 2709+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+1.25-5)R	EFFINGHAM	790	376
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

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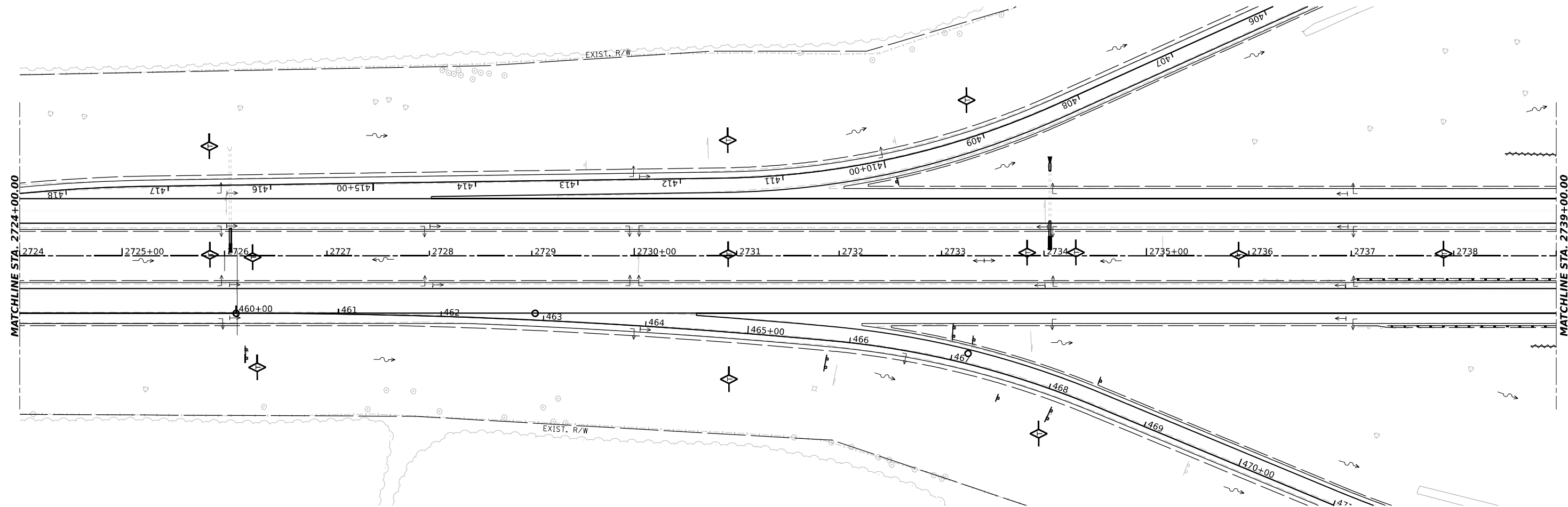
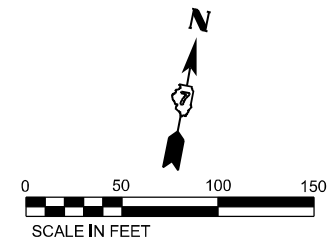
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DRAWN	MRT	CHECKED	DPW	REVISED	-
PLOT SCALE	0.16666633 */in.	DATE	03/04/2022	REVISED	-
PLOT DATE	3/14/2022				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 24 OF 35 SHEETS STA. 2709+00.00 TO STA. 2724+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4+1.25+5)R	EFFINGHAM	790	377
FED. ROAD DIST. NO. 7			CONTRACT NO. 74599	
ILLINOIS FED. AID PROJECT				



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

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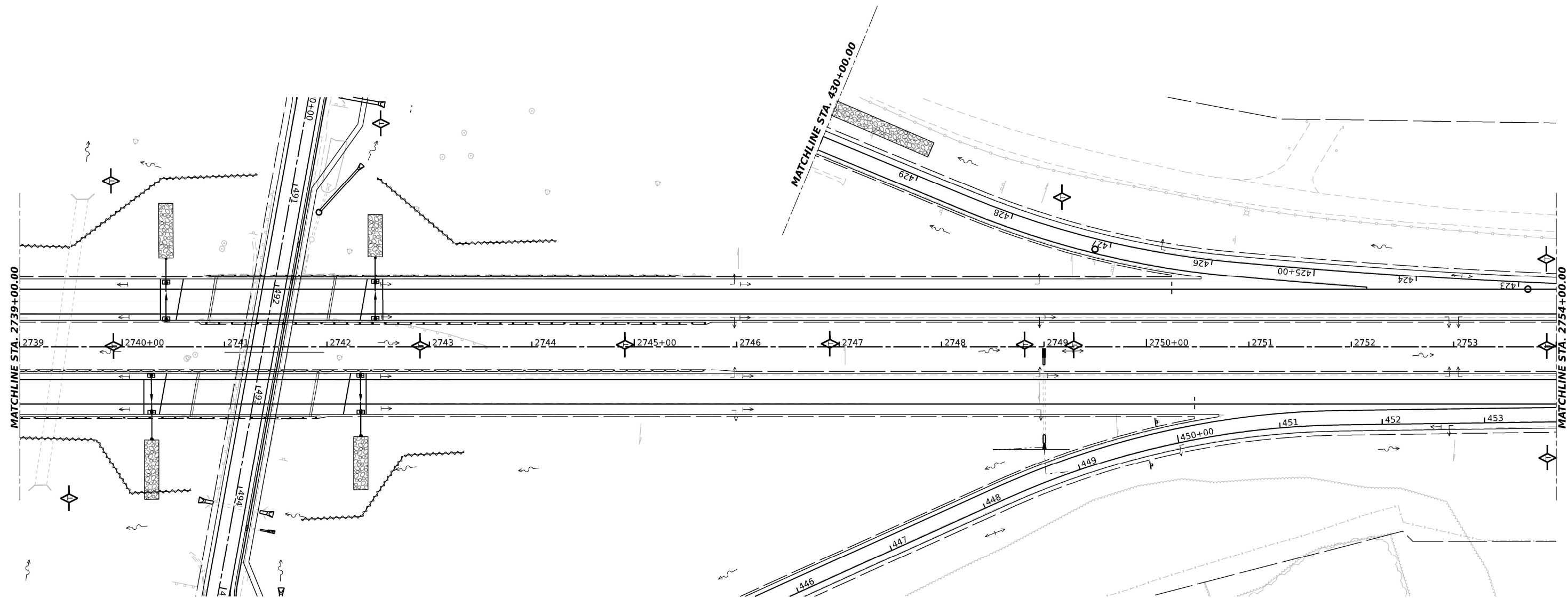
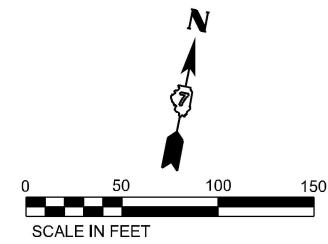
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DRAWN	MRT	CHECKED	DPW	REVISED	-
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PLOT DATE	3/14/2022				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 25 OF 35 SHEETS STA. 2724+00.00 TO STA. 2739+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4+1.25-5)R	EFFINGHAM	790	378
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - PLACE AT START OF CONSTRUCTION

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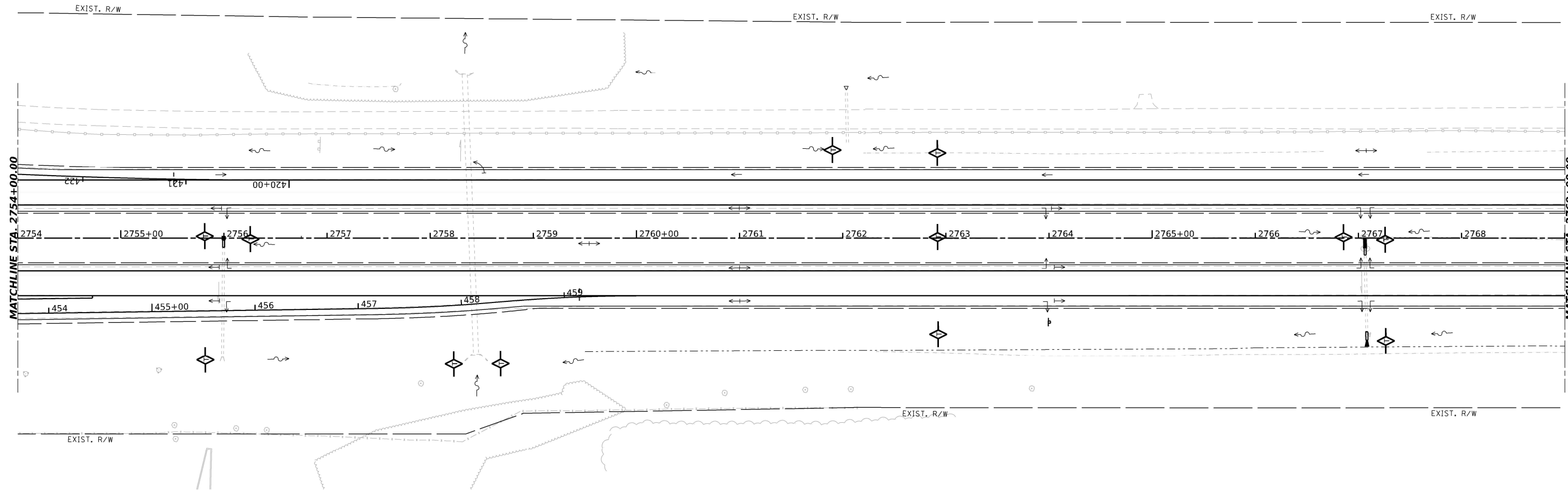
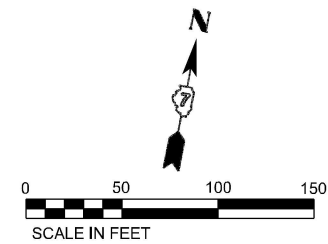
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DRAWN	MRT	CHECKED	DPW	REVISED	
PLOT SCALE	0.16666633 */in.	DATE	03/04/2022	REVISED	
PLOT DATE	3/14/2022				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 26 OF 35 SHEETS STA. 2739+00.00 TO STA. 2754+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1.25-5)R	EFFINGHAM	790	379
CONTRACT NO. 74599				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

MODEL: T:\TIG\Buss\Buss\Bacon\Bacon\Workman\20-173_PTB_197-035_K70_Rd\Bacon\400_CADD\02_CADD_Sheets\Sheet_1\10774599-erodm1316.dgn
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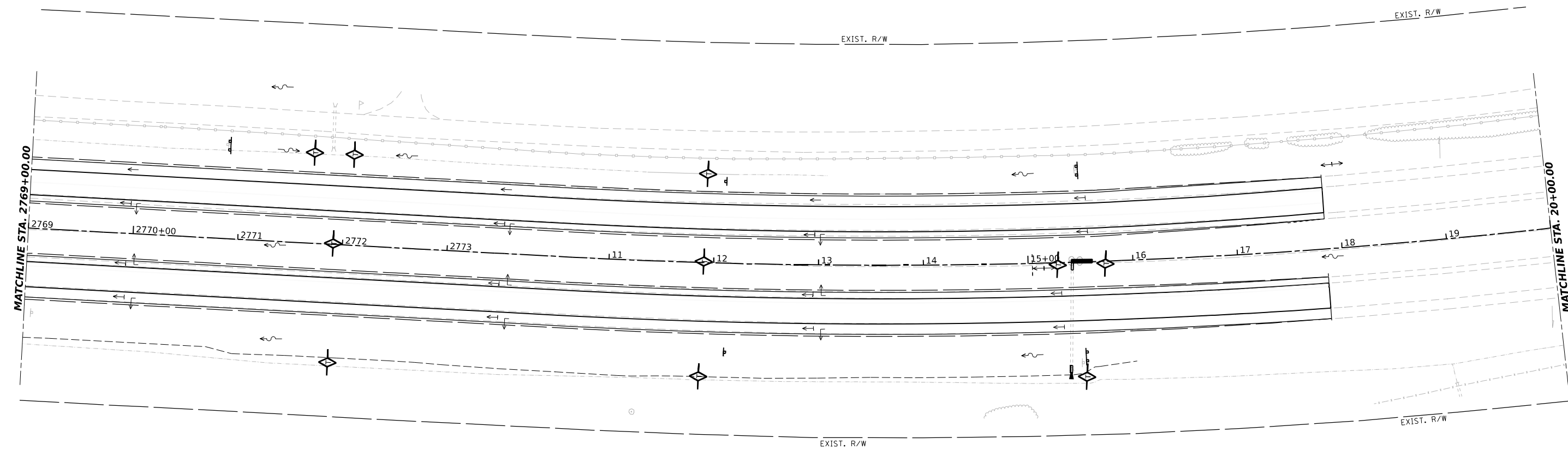
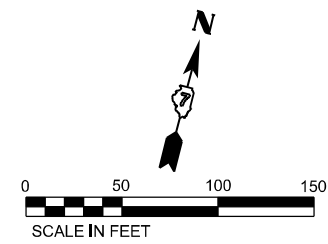
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DRAWN -	MRT	REVISIONS			
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PLOT DATE	3/14/2022	DATE -	03/04/2022	REVISIONS	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 27 OF 35 SHEETS STA. 2754+00.00 TO STA. 2769+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1.25-5)R	EFFINGHAM	790	380
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 74599	
FED. AID PROJECT				



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

MODEL: T:\TIG\Business\Clients\Bacon\Former\Workman\20173\PTB_1974035_K70_Rubb\Batter\400_CADD_Sheets\Sheet_#ErosionControl\Stage1\201714599-erodcon172.dgn
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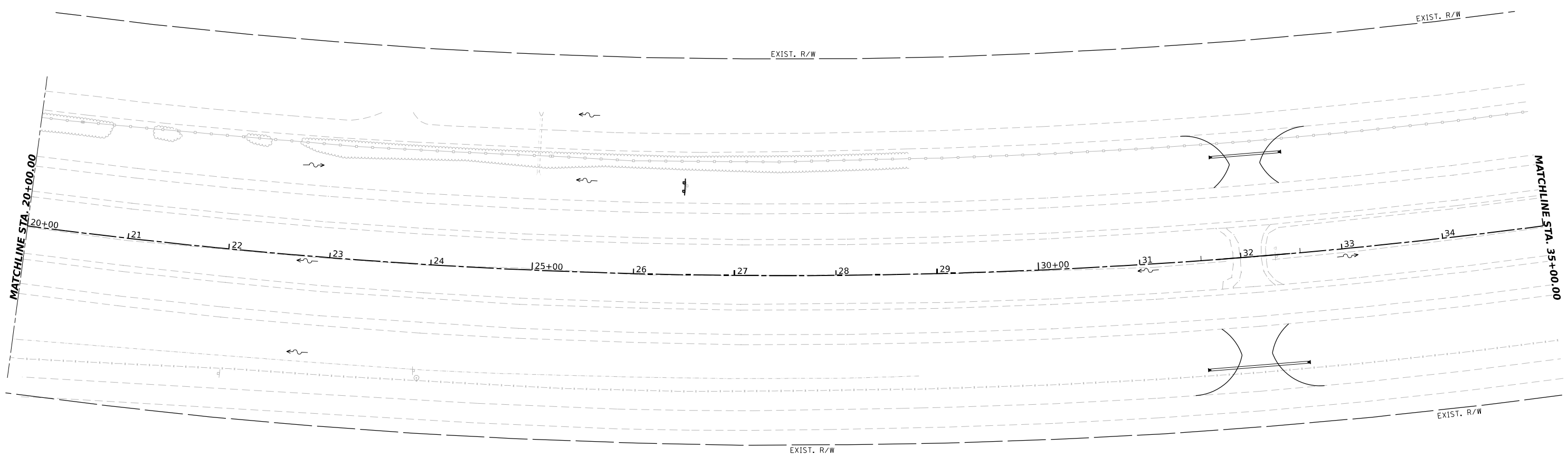
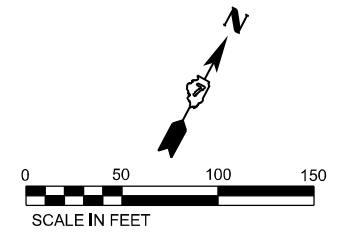
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DRAWN	MRT	CHECKED	DPW	REVISED	-
PLOT SCALE	0.16666633 */in.	DATE	03/04/2022	REVISED	-
PLOT DATE	3/14/2022				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 28 OF 35 SHEETS STA. 2769+00.00 TO STA. 20+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+*1.25-5)R	EFFINGHAM	790	381
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

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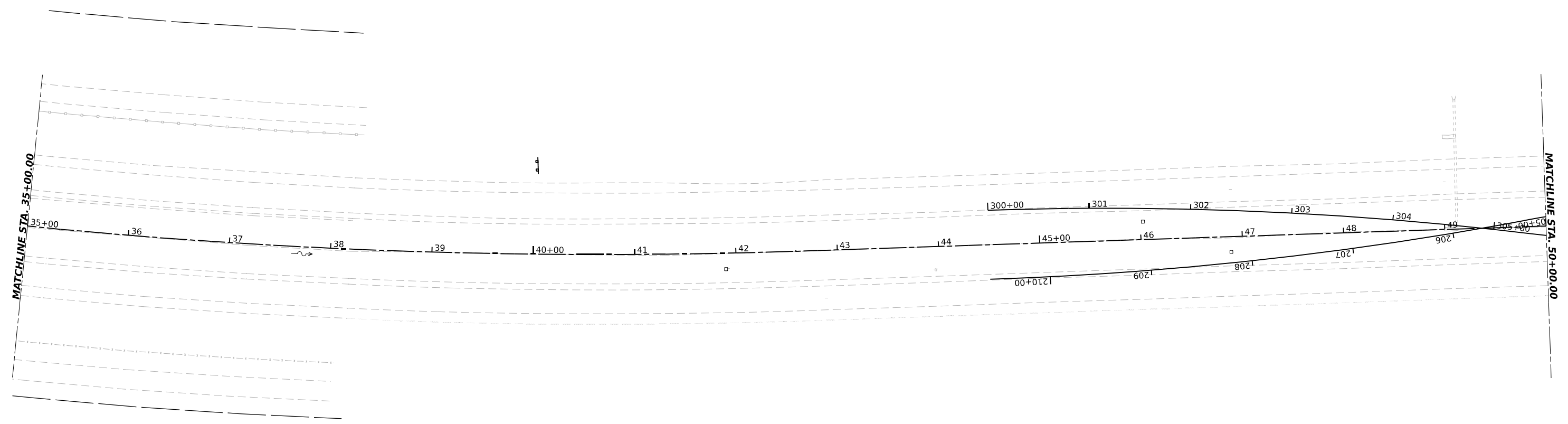
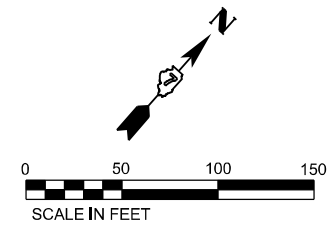
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DRAWN	MRT	CHECKED	DPW	REVISED	-
DATE	03/04/2022	REVISIONS			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 29 OF 35 SHEETS STA. 20+00.00 TO STA. 35+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4-1.25-5)R	EFFINGHAM	790	382
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

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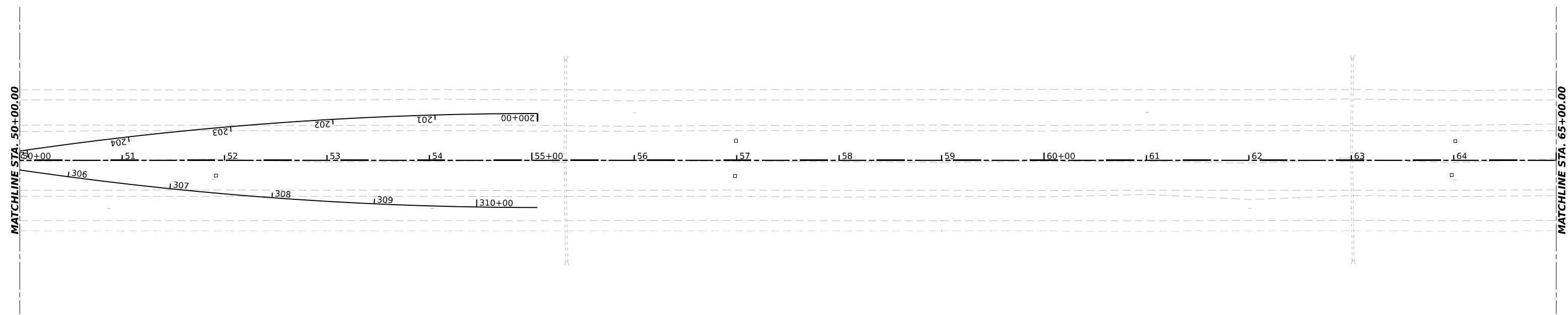
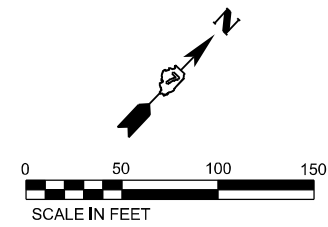
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PLOT DATE	3/14/2022	DATE	03/04/2022	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 30 OF 35 SHEETS STA. 35+00.00 TO STA. 50+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4-1.25-5)R	EFFINGHAM	790	383
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

MODEL: T:\TIG\BusinessClients\Bacon\Bacon\Workman\20173_PTB_1974035_K70_Rubb\Bacon\400_CADD\402_CADD_Sheets\Sheet_#ErosionControl\Stage1\20171459-erodcon130.dgn
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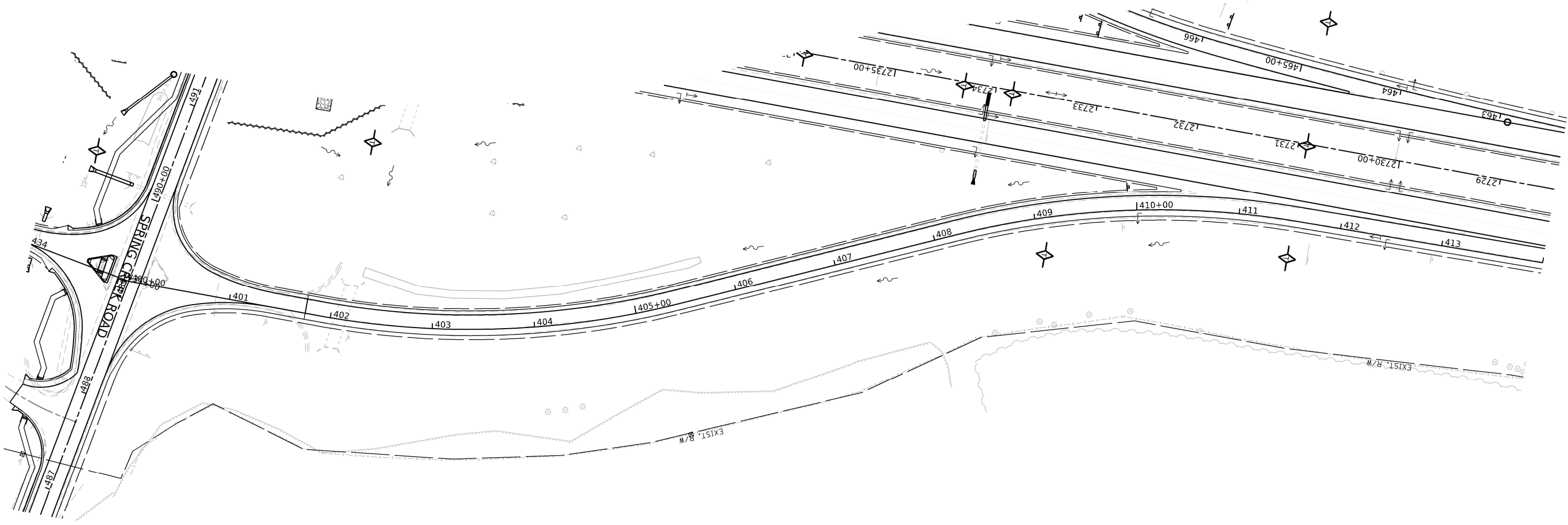
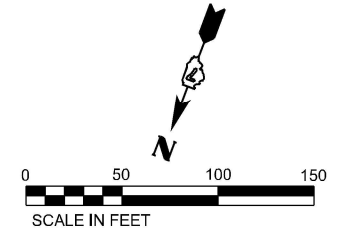
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PLOT DATE	3/14/2022				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL

SCALE: 1"=50' SHEET 31 OF 35 SHEETS STA. 50+00.00 TO STA. 65+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4+1.25-5)R	EFFINGHAM	790	384
FED. ROAD DIST. NO. 7			CONTRACT NO. 74599	
ILLINOIS FED. AID PROJECT				



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

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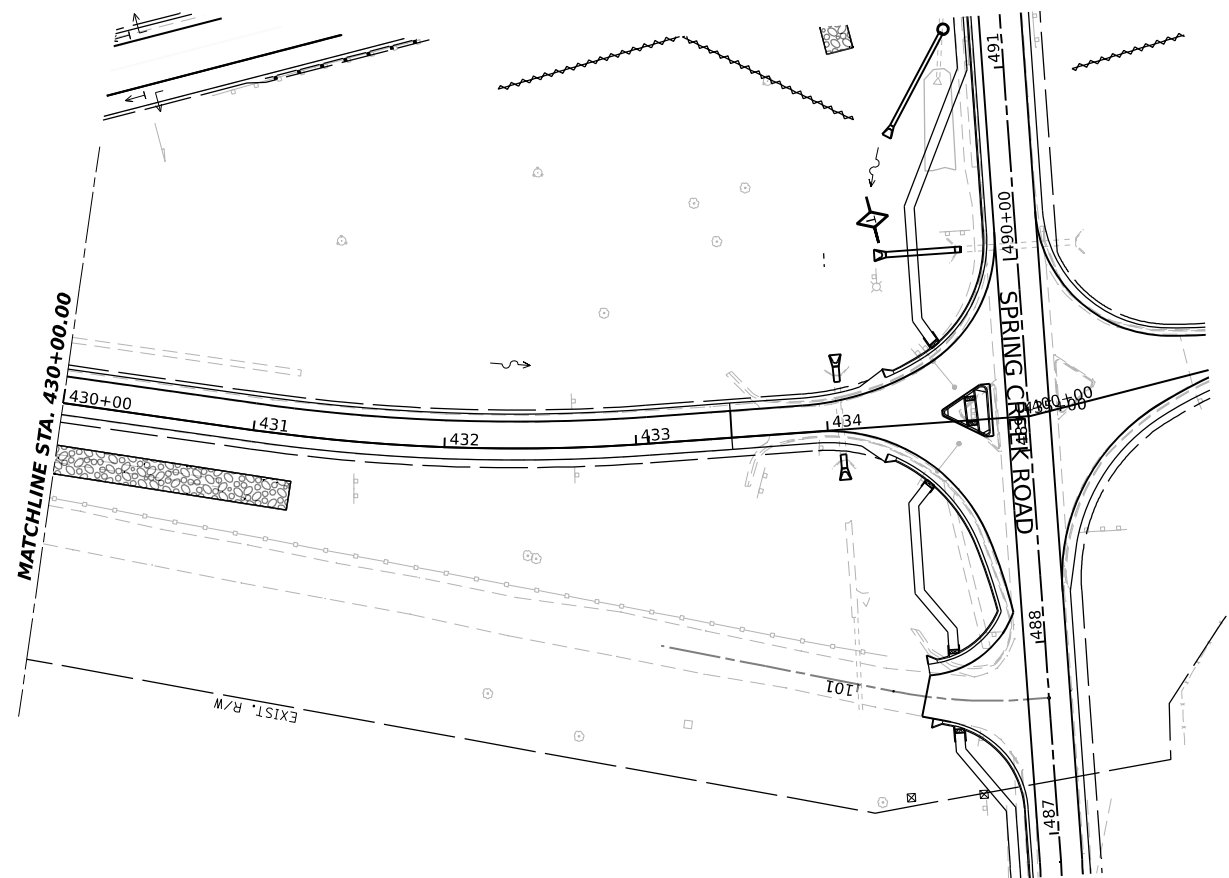
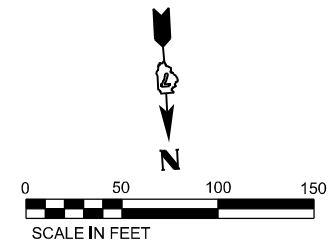
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DRAWN -	MRT	REVISIONS			
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PLOT DATE	3/14/2022	DATE -	03/04/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL
RAMP A

SCALE: 1"=20' SHEET 32 OF 35 SHEETS STA. 400+00.00 TO STA. 414+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1.25-5)R	EFFINGHAM	790	385
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

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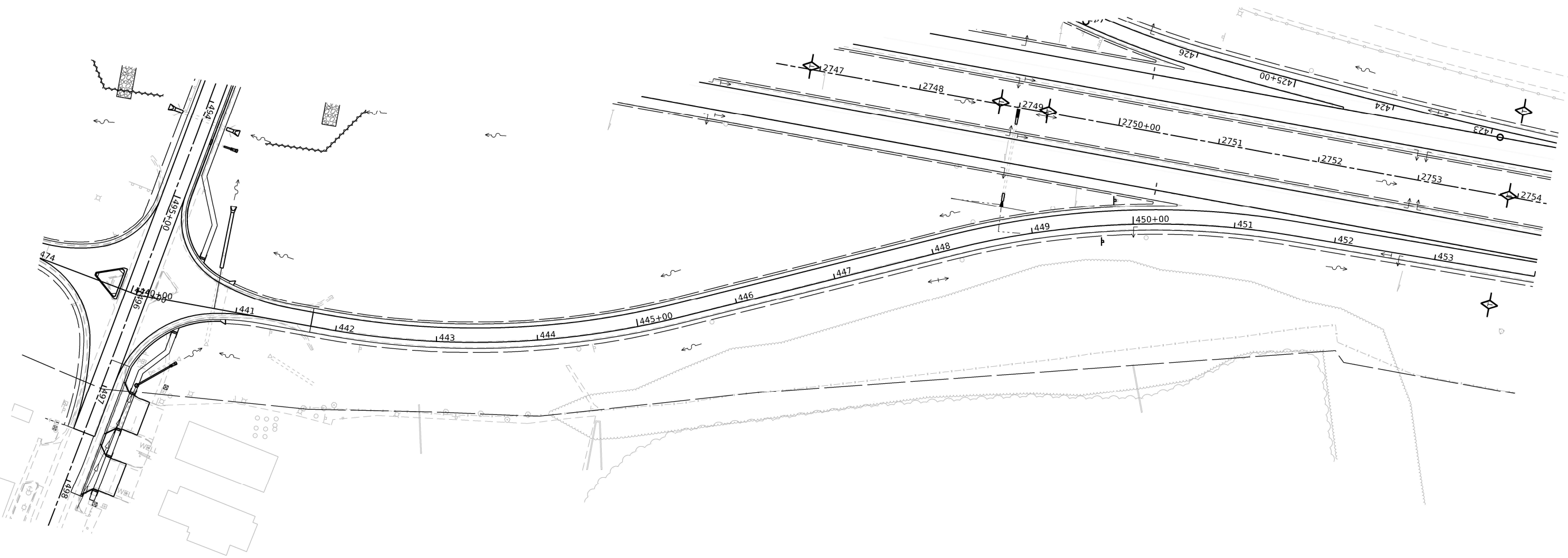
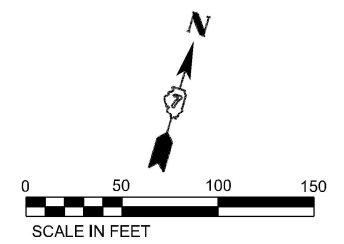
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DRAWN	MRT	CHECKED	DPW	REVISED	
PLOT SCALE	0.16666633 */ in.	DATE	03/04/2022	REVISED	
PLOT DATE	3/14/2022				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL
RAMP B**

SCALE: 1"=20' SHEET 33 OF 35 SHEETS STA. 430+00.00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+4-1.25-5)R	EFFINGHAM	790	386
FED. ROAD DIST. NO. 7			CONTRACT NO. 74599	
ILLINOIS FED. AID PROJECT				



- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION

MODEL: T:\TRG\Business\Projects\Bacon Farmer Workman\20-173_PTB_197-033_K70_Road\Sheet\1400_CADD_Sheets\Sheet_1400_ErosionControlStage1\1400_ErosionControl-1.dwg
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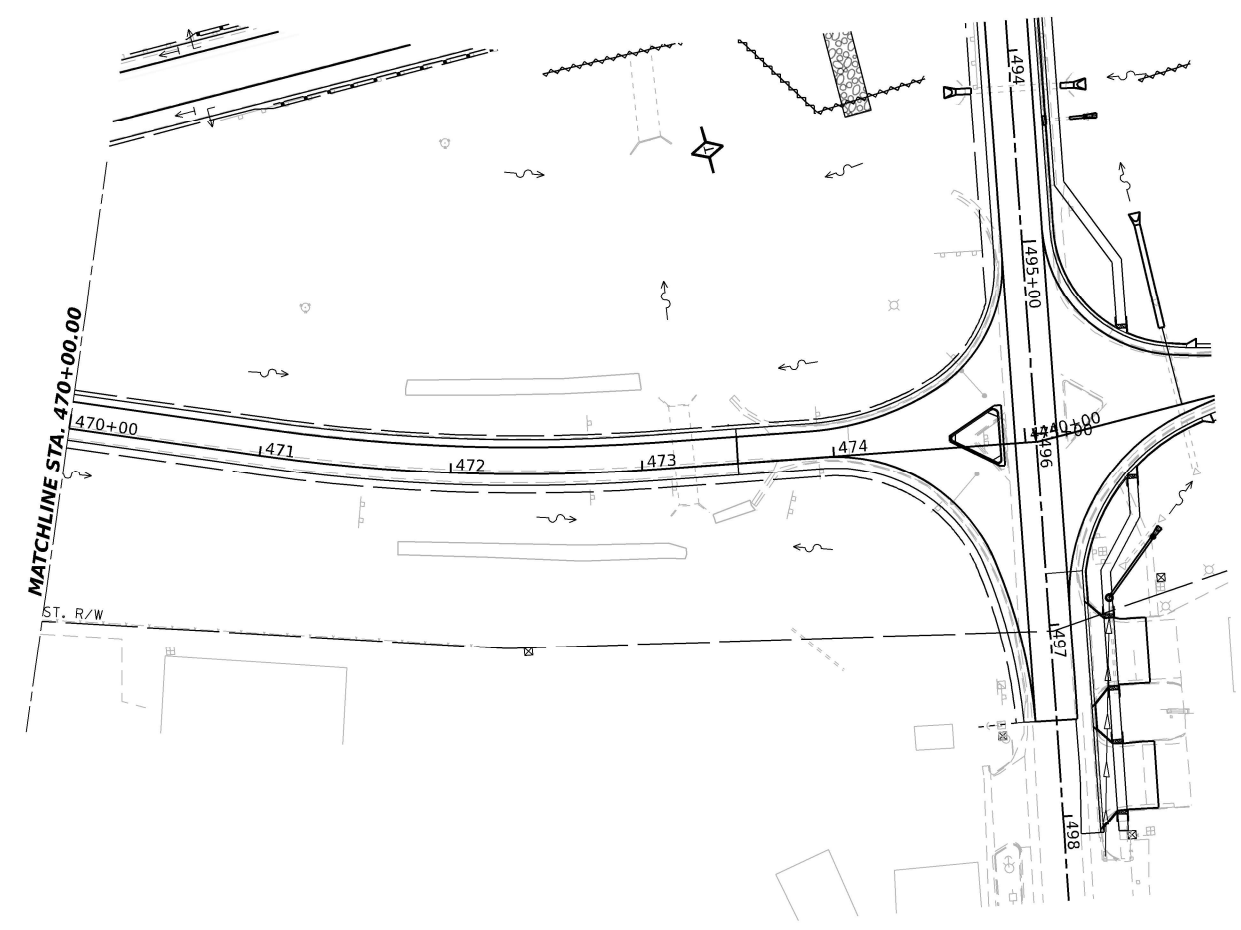
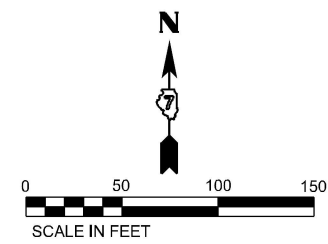
USER NAME	Matthew Toussaint	DESIGNED	MRT	REVISED	
DRAWN	MRT	CHECKED	DPW	REVISIED	
PLOT SCALE	0.16666633 */in.	DATE	03/04/2022	REVISIED	
PLOT DATE	3/14/2022				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL
RAMP C

SCALE: 1"=20' SHEET 34 OF 35 SHEETS STA. 440+00.00 TO STA. 454+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1.25-5)R	EFFINGHAM	790	387
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



MODEL: T:\TIG\Business\Bacon\Former\Workman\20-173\PTB 197-035 K7D\Rebar\400 CADD\Sheet\Sheets\Sheet_ErosionControl\Stage12\0774599-eroseadim-1.dwg
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- LEGEND:
- TEMP EROSION CONTROL BLANKET
 - PROPOSED RIPRAP (SEE ROADWAY PLANS)
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK MINIMUM 12" HEIGHT
 - AGGREGATE EROSION CONTROL (DITCH CHECK)
 - EARTH EXCAVATION FOR EROSION CONTROL (STILL BASIN)
 - * PLACE AT START OF CONSTRUCTION



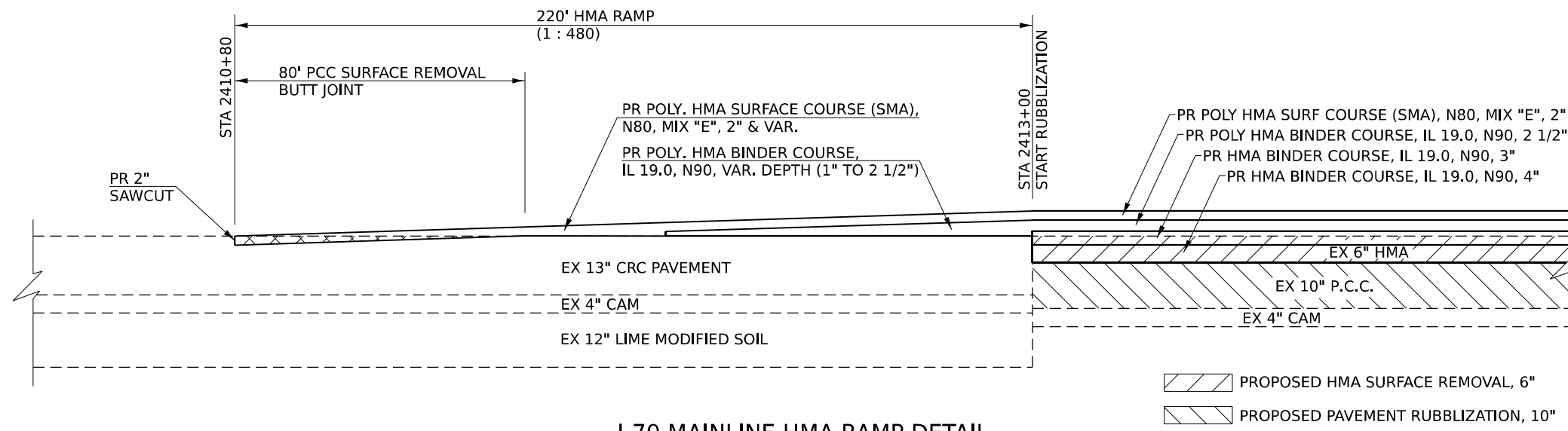
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DRAWN	MRT	CHECKED	DPW	REVISED	-
PLOT SCALE	0.16666633 */in.	DATE	03/04/2022	REVISED	-
PLOT DATE	3/14/2022				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

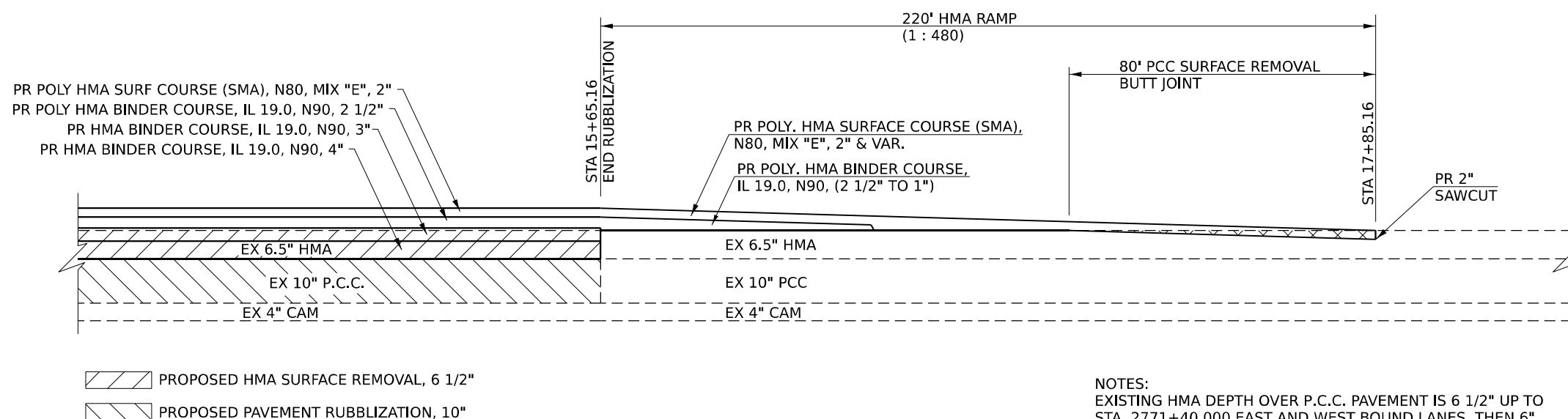
**EROSION AND SEDIMENT CONTROL
RAMP D**

SCALE: 1"=20' SHEET 35 OF 35 SHEETS STA. 470+00.00 TO STA. 475+05.71

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4-1.25-5)R	EFFINGHAM	790	388
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			CONTRACT NO. 74599	



I-70 MAINLINE HMA RAMP DETAIL



I-70 MAINLINE HMA RAMP DETAIL

NOTES:
EXISTING HMA DEPTH OVER P.C.C. PAVEMENT IS 6 1/2" UP TO STA. 2771+40.000 EAST AND WEST BOUND LANES, THEN 6" TO END OF PROJECT.
STATION EQUATION:
STA. 2773+54.89 (BACK) = STA. 10+00.05 (AHEAD)

MODEL: Sheet 01
FILE NAME: I:\Projects\BFW\Projects\2020\PROJECTS\2020\PROJECTS\2020\DOT\DOT PTB 19745 I-70 Rubblization\DOT\CAD_Sheets\74599\Sheet01.dwg



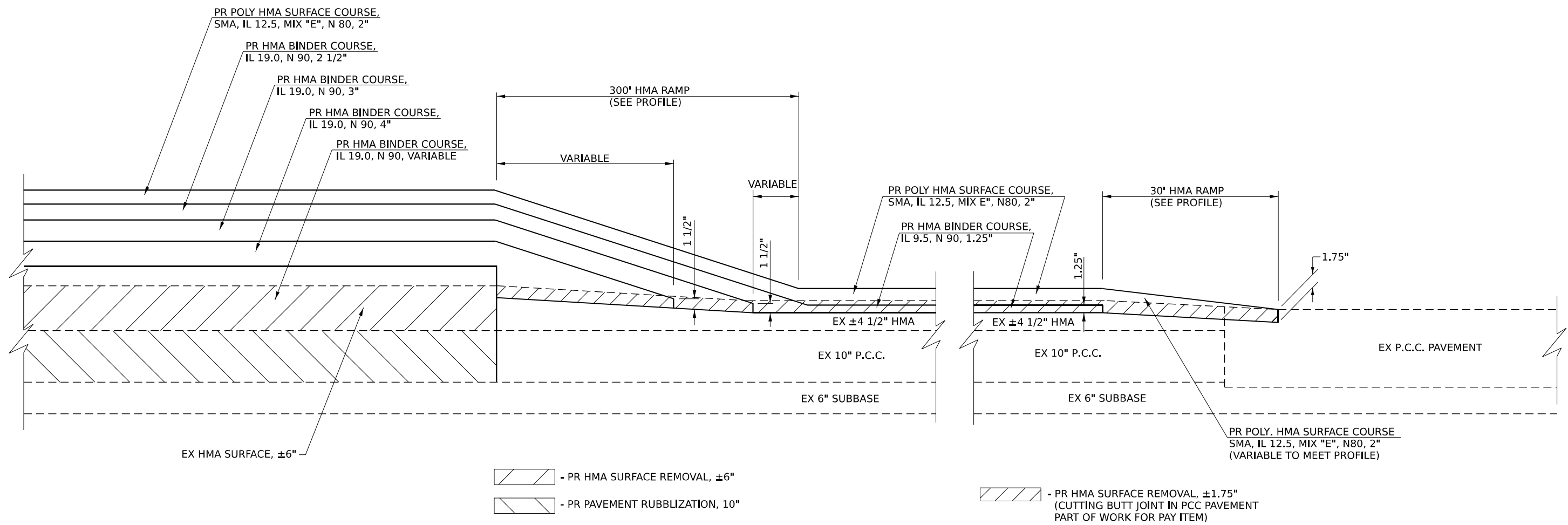
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DRAWN	-	REVISIONS	-	REVISIONS	-
PLOT SCALE	# 0.8000" = 1'-0"	CHECKED	-	REVISIONS	-
PLOT DATE	# 3/17/2022	DATE	-	REVISIONS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HMA RAMP AND BUTT-JOINT DETAILS			
SCALE: N.T.S.	SHEET 1	OF 22 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+1.25-5)R	EFFINGHAM	790	389
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

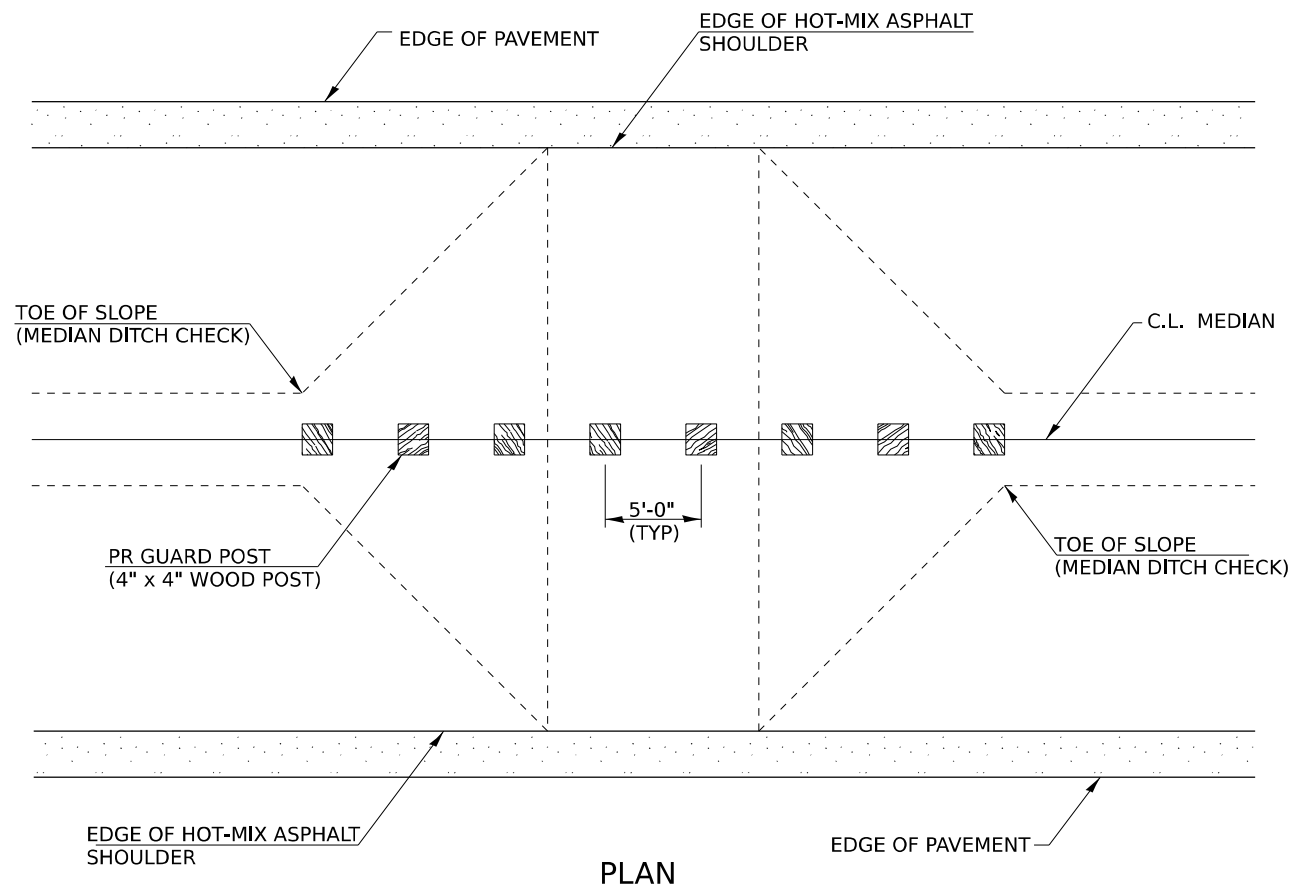
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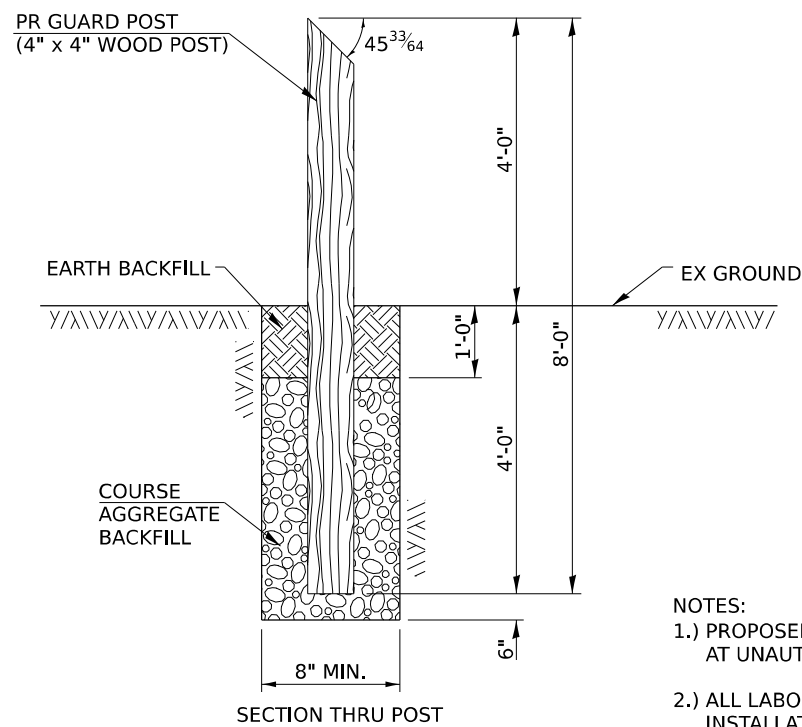
NEAR GORE AREAS AT RAMP TERMINALS

NEAR INTERSECTION AREAS WITH SPRING CREEK ROAD

BACON FARMER WORKMAN ENGINEERING & TESTING, INC.	USER NAME ■ scraven	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HMA RAMP AND BUTT-JOINT DETAILS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE ■ 0.8000" = 1'	DRAWN -	REVISED -		70	(25+1.25-5)R	EFFINGHAM	790	390			
	PLOT DATE ■ 3/16/2022	CHECKED -	REVISED -		CONTRACT NO. 74599			ILLINOIS FED. AID PROJECT				
				SCALE: N.T.S.	SHEET 2	OF 2	SHEETS	STA.	TO STA.			

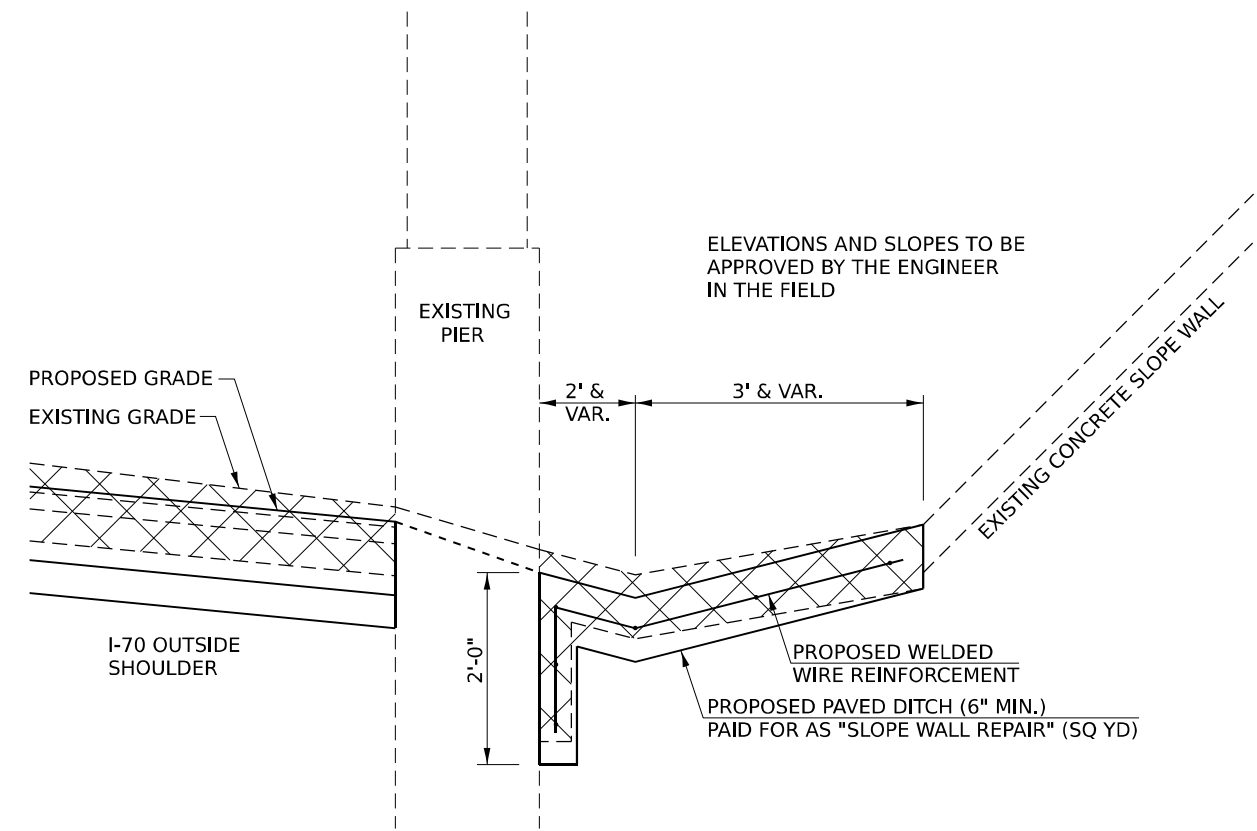


PLAN



GUARD POST DETAIL

- NOTES:
- 1.) PROPOSED GUARDPOSTS USED TO REPLACE MISSING POSTS AT UNAUTHORIZED MEDIAN CROSSOVERS.
 - 2.) ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY FOR INSTALLATION OF GUARD POSTS AS DETAILED HEREIN SHALL BE INCLUDED IN THE COST FOR "GUARD POSTS".



SHOULDER AND PAVED DITCH DETAIL AT OVERHEAD BRIDGES

MODEL: Sheet103
 FILE NAME: I:\projects\74599\74599.dwg
 PROJECT: 74599
 SHEET: 391
 DATE: 3/16/2022



USER NAME	scraven	DESIGNED	-	REVISED	-
DRAWN	-	REVISION	-	REVISION	-
CHECKED	-	REVISION	-	REVISION	-
DATE	-	REVISION	-	REVISION	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


MEDIAN GUARD POSTS DETAIL
SHOULDERS UNDER BRIDGES DETAIL

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+1.25-5)R	EFFINGHAM	790	391
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

THIS SHEET INTENTIONALLY LEFT BLANK

MODEL: Sheet 017
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 BACON FARMER WORKMAN ENGINEERING & TESTING, INC.	USER NAME	■ ts@bfg	DESIGNED	-	REVISED	-
			DRAWN	-	REVISED	-
	PLOT SCALE	■ 0.8000" / 1" =	CHECKED	-	REVISED	-
	PLOT DATE	■ 3/17/2022	DATE	-	REVISED	-

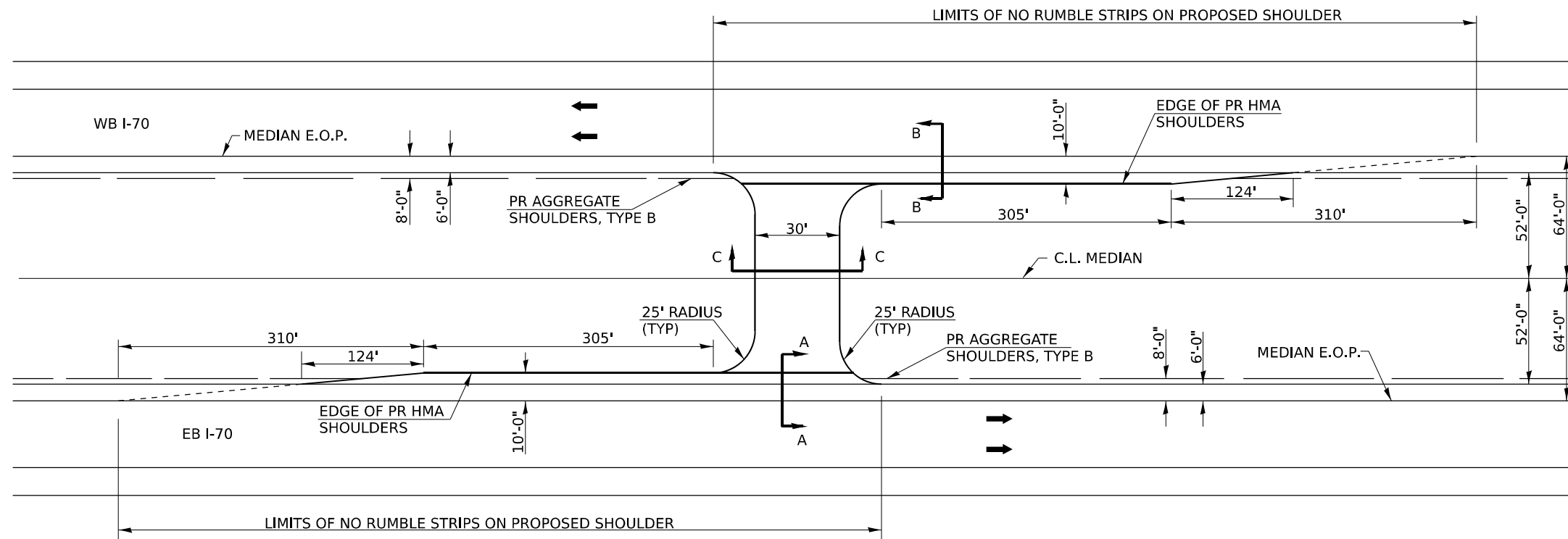
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S.	SHEET	OF	SHEETS	STA.	TO STA.
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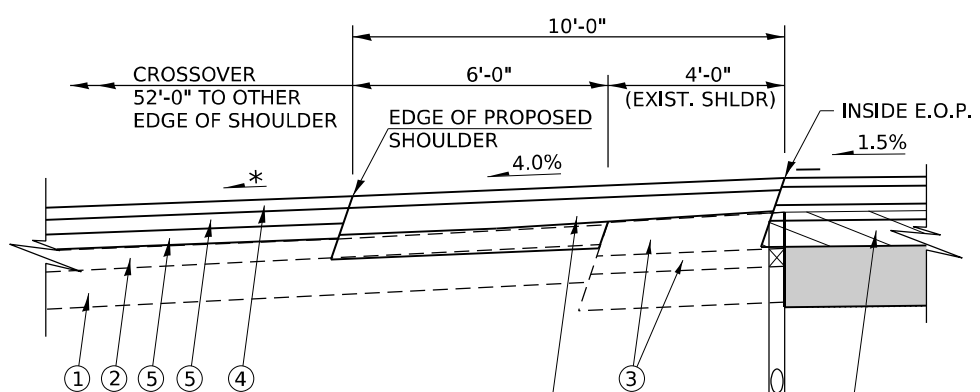
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70	(25+1.25-5)R	EFFINGHAM	790	392
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

EMERGENCY MEDIAN CROSSOVERS

NOTE:
TWO DELINEATORS SHALL BE PLACED IN ADVANCE OF THE MEDIAN CROSSOVERS. ONE SHALL BE AT THE CROSSOVER, THE OTHER 800 FT IN ADVANCE OF THE FIRST. THE DELINEATOR AT THE CROSSOVER SHALL HAVE TWO REFLECTORS, AND THE DELINEATOR 800 FT IN ADVANCE SHALL HAVE THREE REFLECTORS



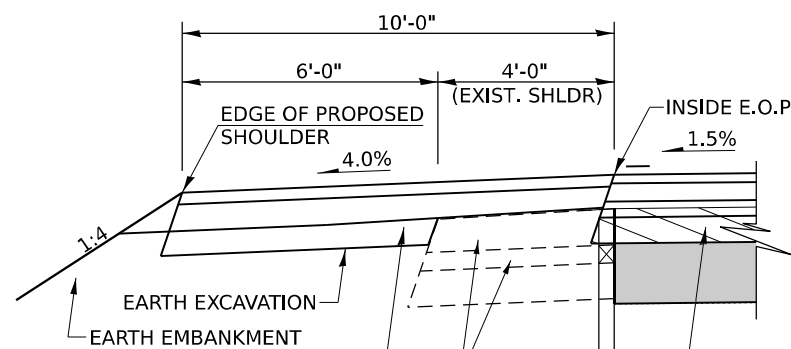
PLAN VIEW



SECTION A - A

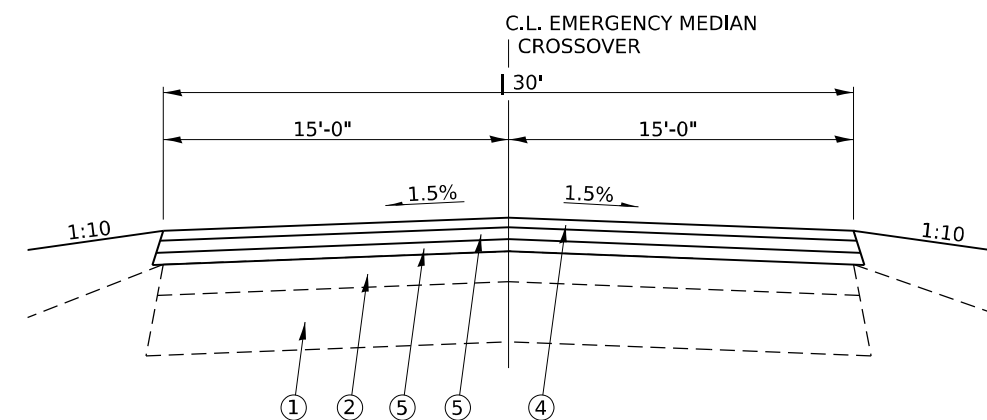
* - MAINTAIN SLOPES AWAY FROM MAINLINE PAVEMENT TO ENSURE PROPER DRAINAGE INTO MEDIAN DITCHES.

SEE MAINLINE TYPICALS FOR HMA THICKNESSES, ETC.



SECTION B - B

SEE MAINLINE TYPICALS FOR HMA THICKNESSES, ETC.



SECTION C - C

LEGEND

- ① EX AGGREGATE BASE COURSE
- ② EX HOT-MIX ASPHALT OVERLAY
- ③ EX HOT-MIX ASPHALT SHOULDER
- ④ PR PR HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70 (2")
- ⑤ PR HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (2.25")

EMERGENCY AND MAINTENANCE VEHICLE MEDIAN CROSSOVER
DETAIL WITH DECELERATION LANES



USER NAME	# scraven
PLOT SCALE	# 0.8000" = 1'-0"
PLOT DATE	# 3/16/2022

DESIGNED -	
DRAWN -	
CHECKED -	
DATE -	

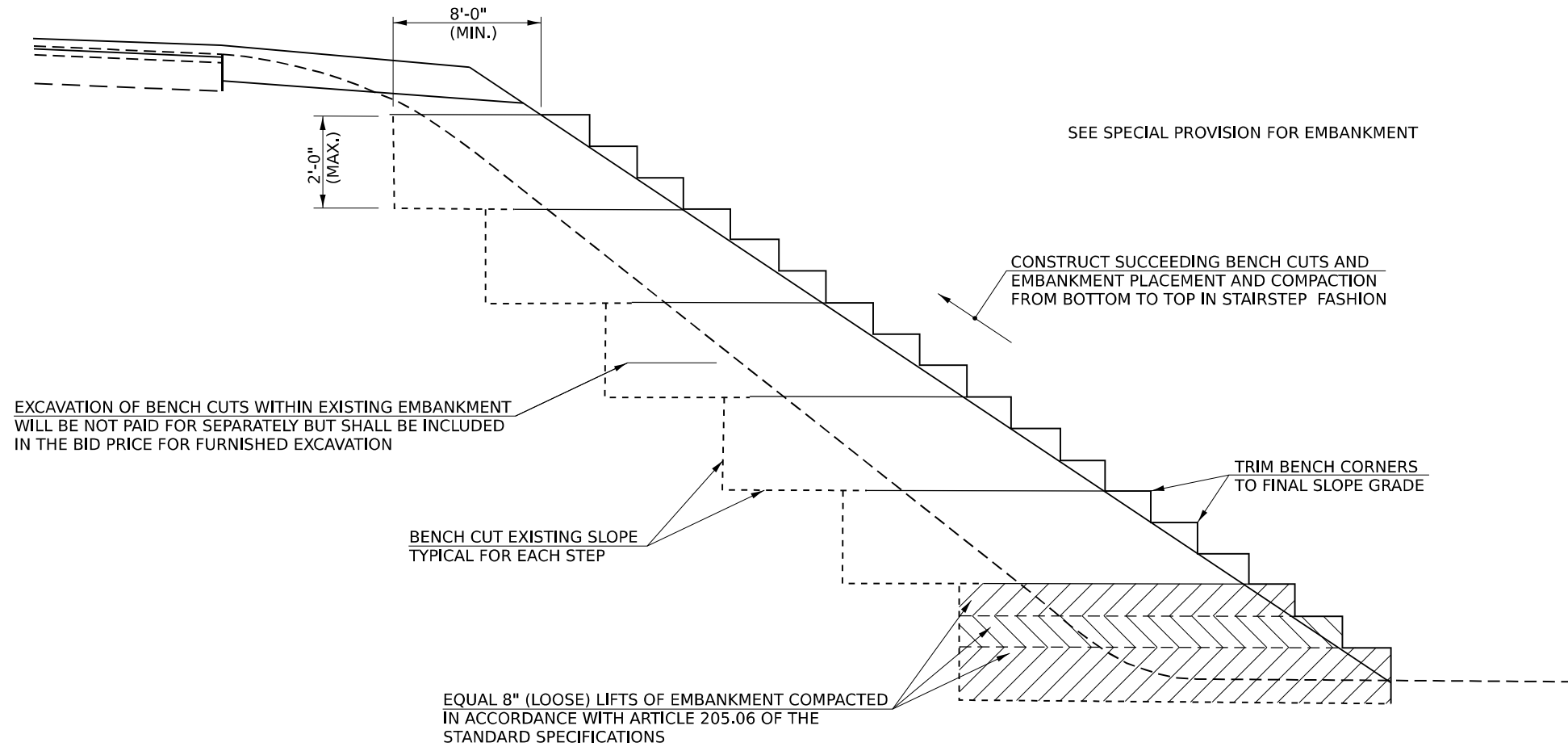
REVISED -	
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EMERGENCY, MAINTENANCE VEHICLE
CROSS OVER, DECELERATION LANE

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+1.25-5)R	EFFINGHAM	790	393
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				



EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE NOT PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE BID PRICE FOR FURNISHED EXCAVATION

SEE SPECIAL PROVISION FOR EMBANKMENT

CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION

TRIM BENCH CORNERS TO FINAL SLOPE GRADE

BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP

EQUAL 8" (LOOSE) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.06 OF THE STANDARD SPECIFICATIONS

TYPICAL BENCHING FOR EMBANKMENT DETAIL
(FOR FILLS OVER 10' AND 12" THICK)

MODEL: Sheet 05
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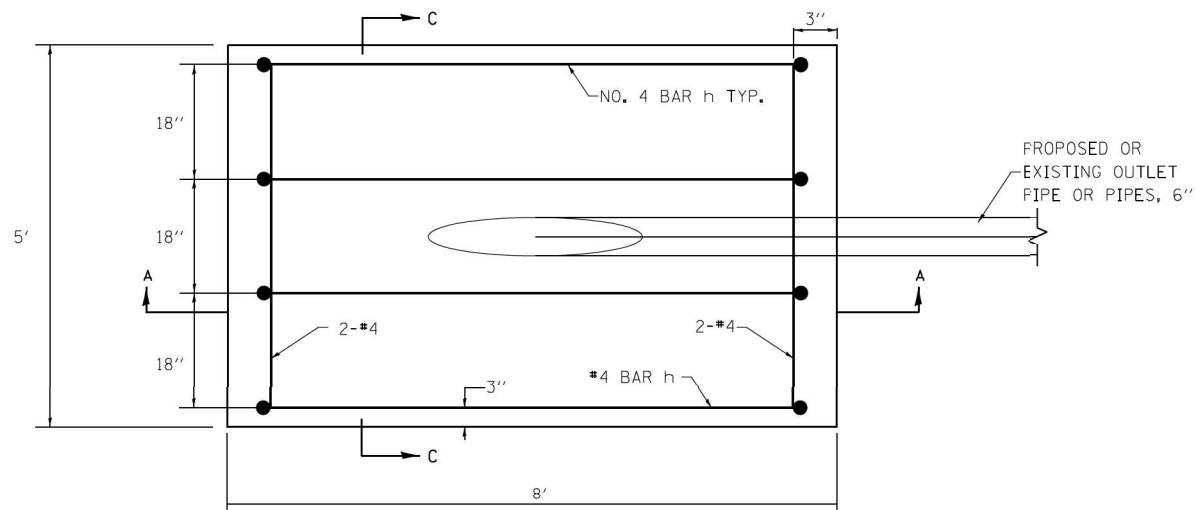
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DRAWN	-	REVISIONS	-	REVISIONS	-
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PLOT DATE	■ 3/16/2022	DATE	-	REVISIONS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

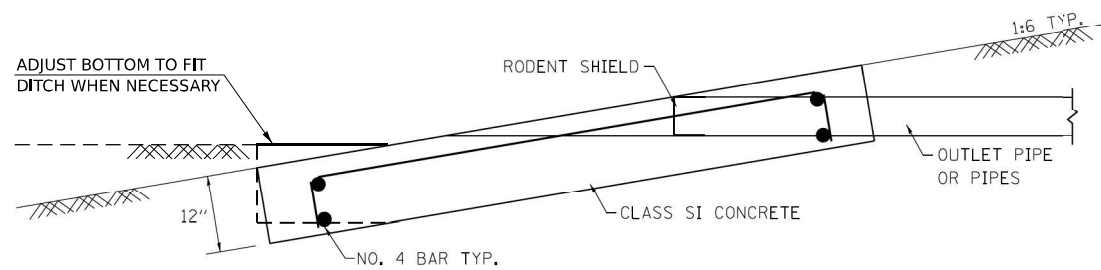
BENCHING FOR EARTH EMBANKMENT DETAIL

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

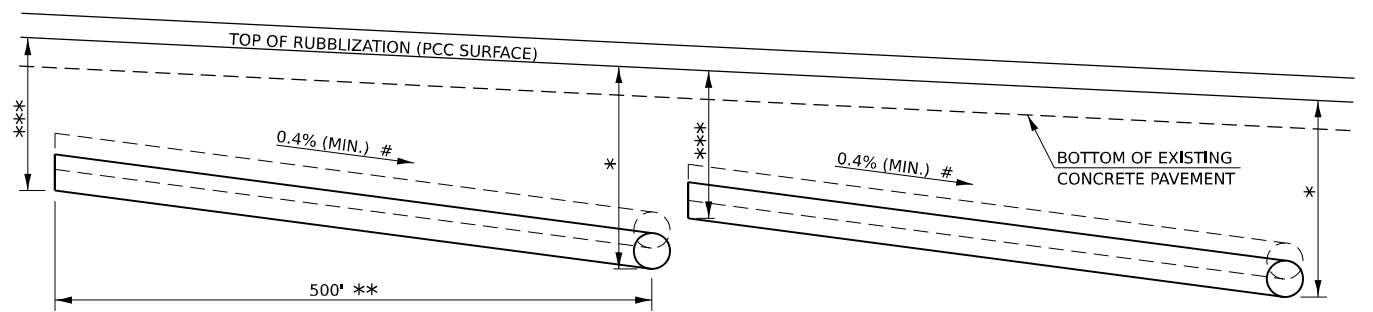
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+1.25-5)R	EFFINGHAM	790	394
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				



PLAN VIEW



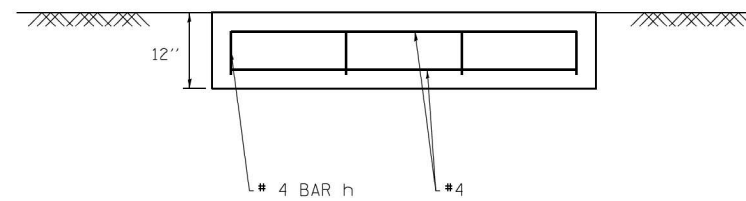
SECTION A-A



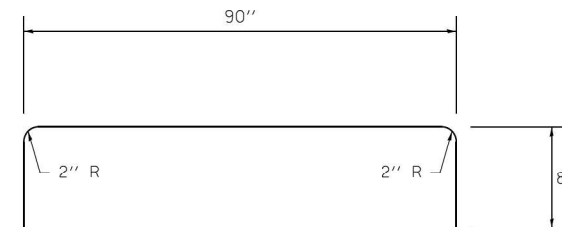
NOTE:
SEE SCHEDULES FOR PROPOSED PIPE UNDERDRAIN
LOCATIONS AND LAYOUTS.

PIPE UNDERDRAIN DETAIL
(USE WHEN PGL IS LESS THAN 0.4%)

- * DEPTH OF OUTLET DETERMINED BY SLOPE.
- ** UNLESS OTHERWISE NOTED IN THE PLANS.
- *** 32" (EXISTING ASSUMED TO BE 30")
- # WHERE 0.4% MINIMUM SLOPE IS NOT FEASIBLE TO OBTAIN DUE TO DITCH OUTLET DEPTHS. ADJUST PER SCHEDULE OR AS DIRECTED BY THE ENGINEER.



SECTION C-C



#4 h BAR

NOTES

- SEE STANDARD 6011C1 FOR DETAILS OF RODENT SHIELDS.
- THE OUTLET PIPE OR PIPES SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE CENTER OF THE OUTLET PROTECTOR.
- THE LAST 10 FEET OF OUTLET PIPE SHALL BE SCHEDULE 40 PVC.
- REINFORCEMENT BARS MAY BE CUT OR RELOCATED TO ACCOMMODATE PIPE.
- CUT OUTLET PIPE ON A BEVEL TO MATCH FINISHED SURFACE OF SURROUNDING PCC.
- SEEDING CLASS 2 SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PAY ITEMS.

APPROXIMATE OUTLET PROTECTOR QUANTITIES FOR EACH OUTLET PROTECTOR	
CONCRETE, CLASS SI	REINFORCING STEEL
CU YD 1.5	LB 35.6

MODEL: Sheet 06
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USER NAME ■ scraven
PLOT SCALE ■ 0.8000" = 1'-0"
PLOT DATE ■ 3/16/2022

DESIGNED -
DRAWN -
CHECKED -
DATE -

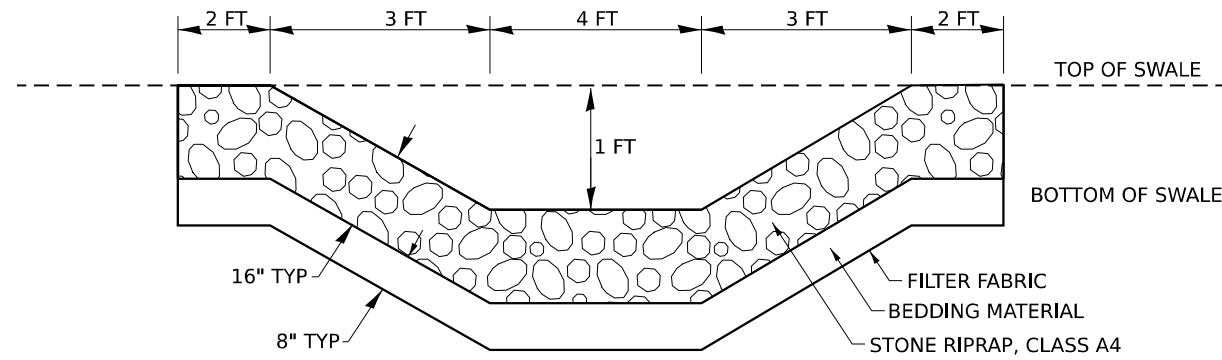
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OUTLET PROTECTOR FOR
PIPE UNDERDRAINS DETAIL

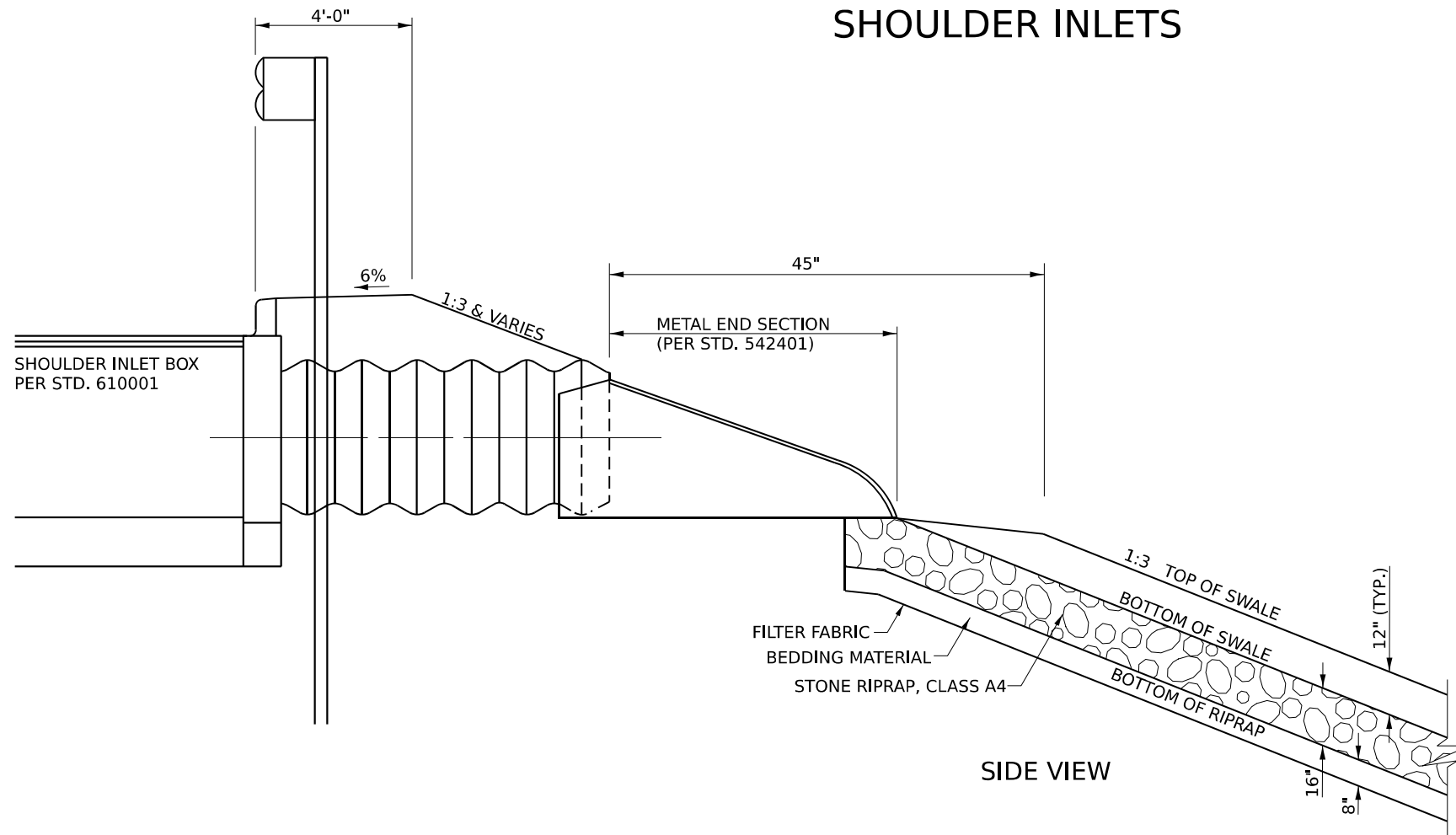
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

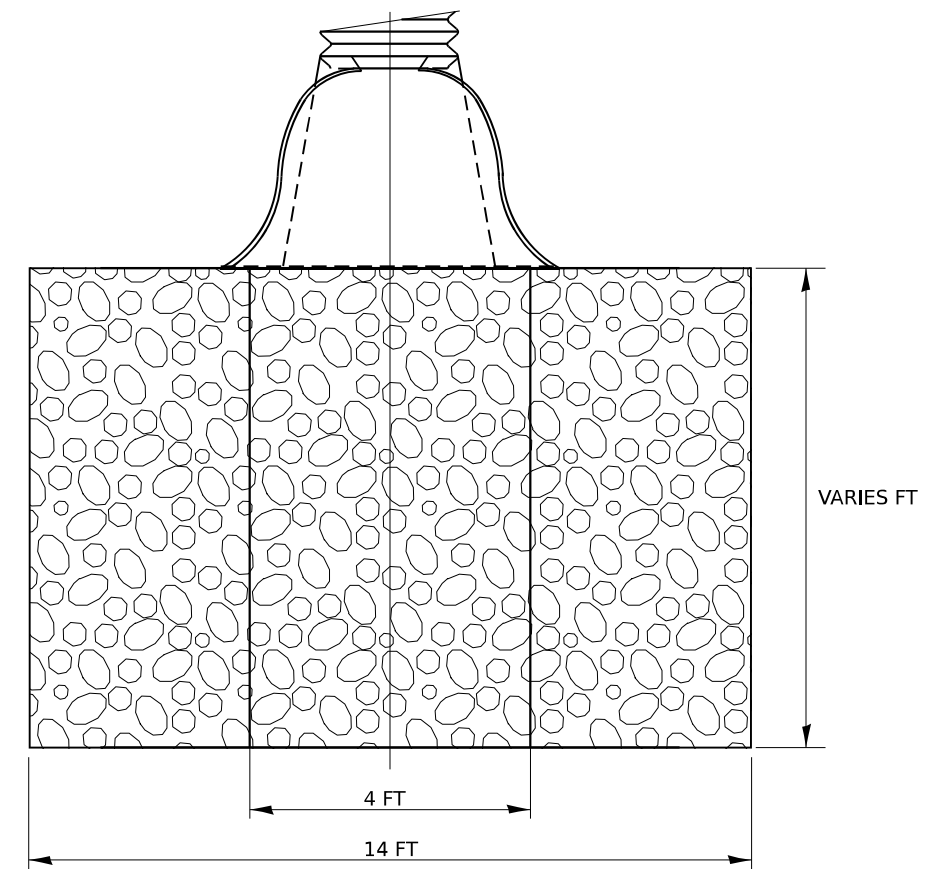


SWALE DITCH RIPRAP DETAIL

OUTLET FOR BRIDGE APPROACH
SHOULDER INLETS



RIPRAP DETAIL
(END AT BOTTOM OF SLOPE)



MODEL: Sheet 09
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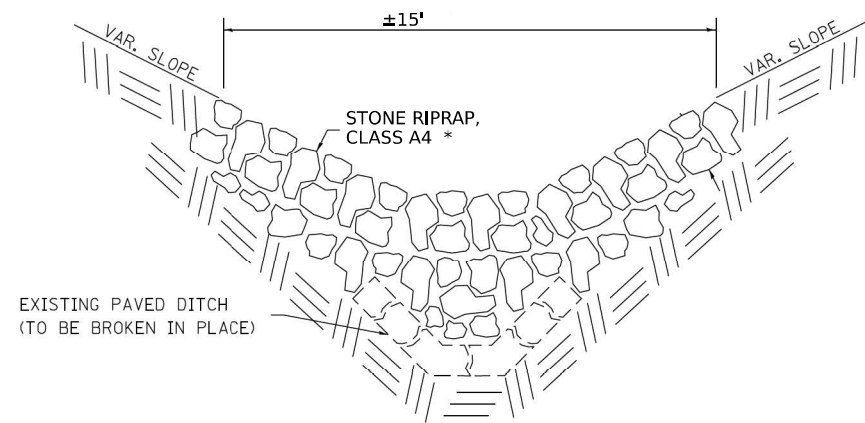


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DRAWN	-	DRAWN	-	REVISED	-
PLOT SCALE	# 0.8000 "/in	CHECKED	-	REVISED	-
PLOT DATE	# 3/16/2022	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIPRAP, SWALE DITCH RIPRAP DETAILS			
SCALE: N.T.S.	SHEET	OF	SHEETS
STA.	TO	STA.	TO

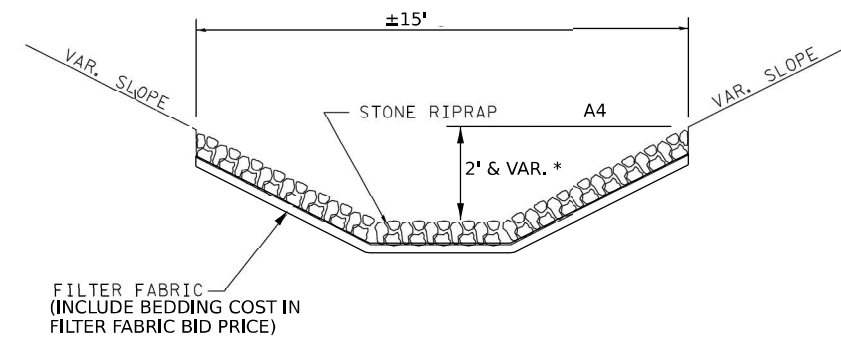
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+1.25-5)R	EFFINGHAM	790	396
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				



STONE RIPRAP ON TOP EXISTING PAVED DITCH

* - SHAPE PER PLANS AND AS DIRECTED BY THE ENGINEER

NOTE:
SEE PLANS AND SCHEDULES
FOR LOCATIONS AND TYPES



DETAIL OF STONE RIPRAP DITCH

(THICKNESS PER TYPE; ACCORDING
TO STANDARD SPECIFICATIONS)

MODEL: Sheet 08
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 PROJECT: 74599
 SHEET: 397 OF 790

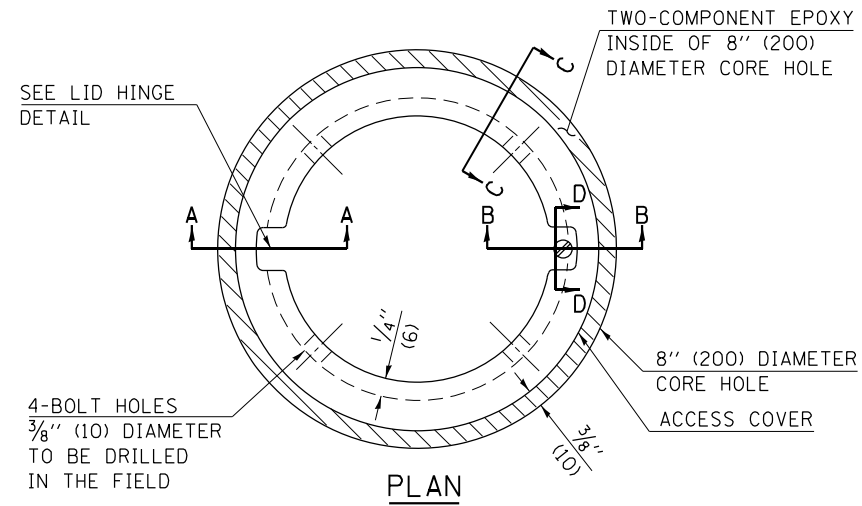


USER NAME	scraven	DESIGNED	-	REVISED	-
DRAWN	-	REVISIONS	-	REVISIONS	-
PLOT SCALE	0.8000" = 1'-0"	CHECKED	-	REVISIONS	-
PLOT DATE	3/16/2022	DATE	-	REVISIONS	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

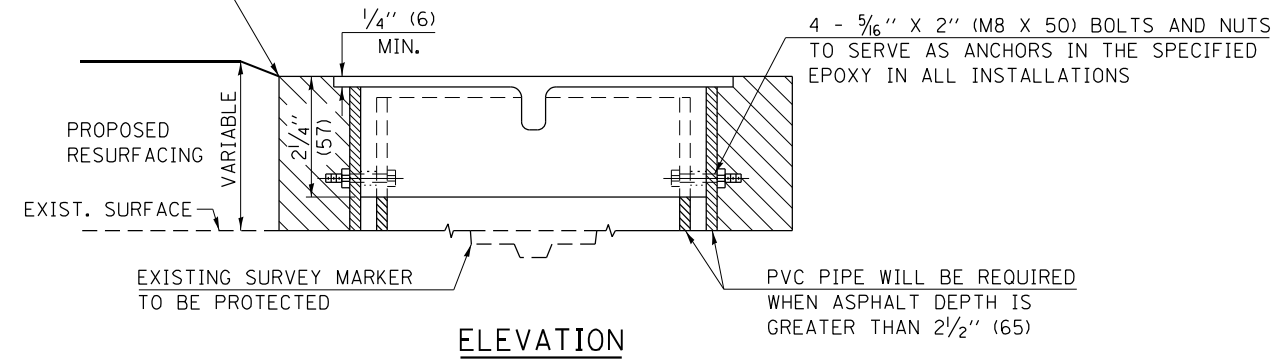
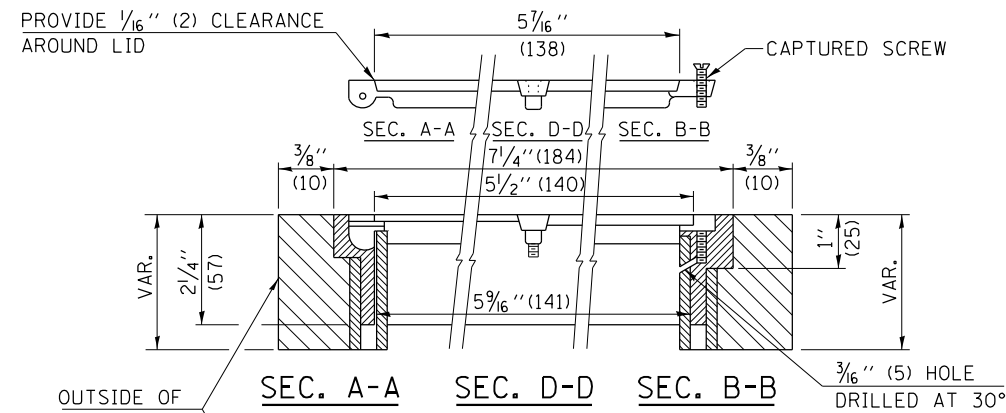
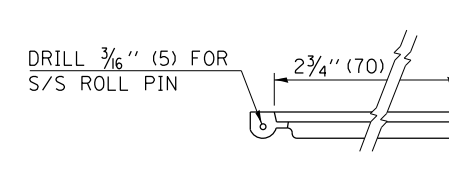
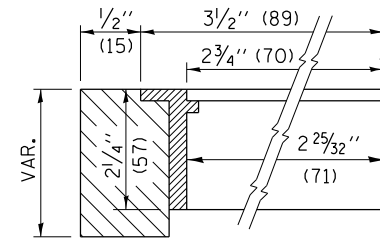
PERMANENT EROSION CONTROL DETAILS			
SCALE: N.T.S.	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+1.25-5)R	EFFINGHAM	790	397
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

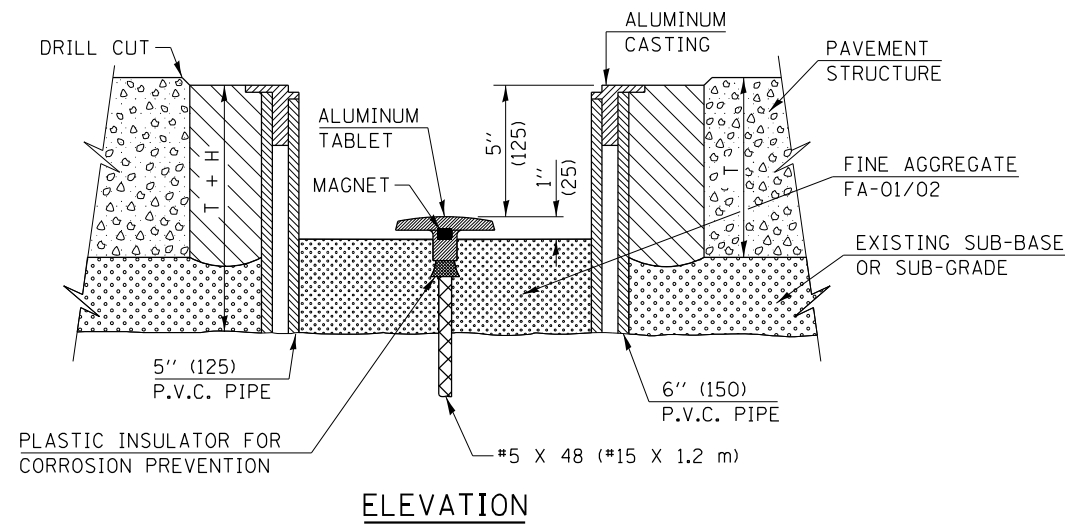


- LEGEND**
- ALUMINUM CASTING
 - 5" (125) OR 6" (150) P.V.C. PIPE
 - TWO-COMPONENT EPOXY
- T = THICKNESS OF PAVEMENT STRUCTURE
- H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)

BILL OF MATERIAL	
ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 4 EACH - 5/16" X 2" (M8 X 50) BOLTS WITH NUTS, EPOXY, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40 (WHEN REQUIRED).	



EXISTING SURVEY MARKER



PROPOSED SURVEY MARKER

NOT TO SCALE
 Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 2007020

MODEL: Sheet 016
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 DATE: 3/16/2022



USER NAME	# scraven
PLOT SCALE	# 0.8000 "/in
PLOT DATE	# 3/16/2022

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

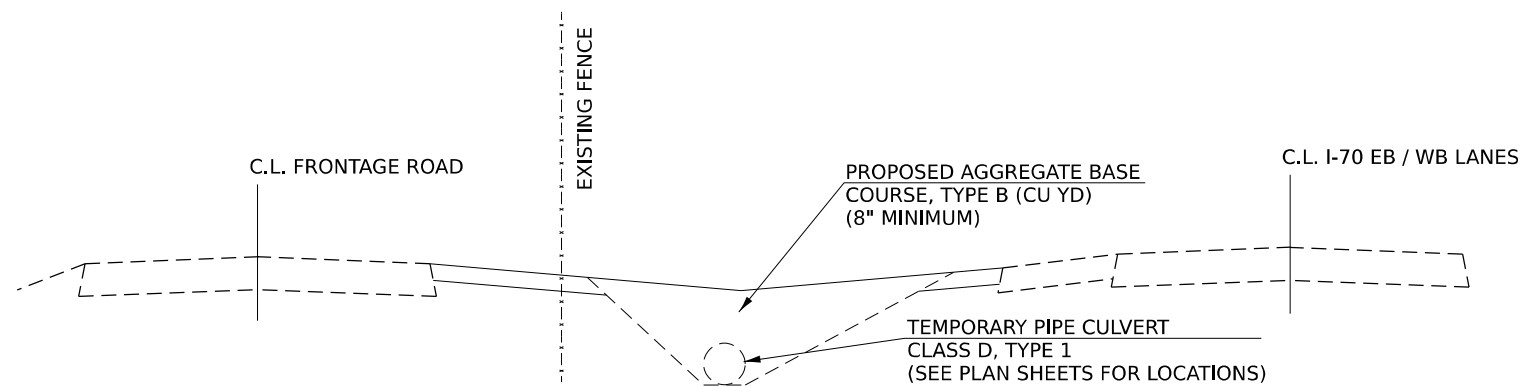
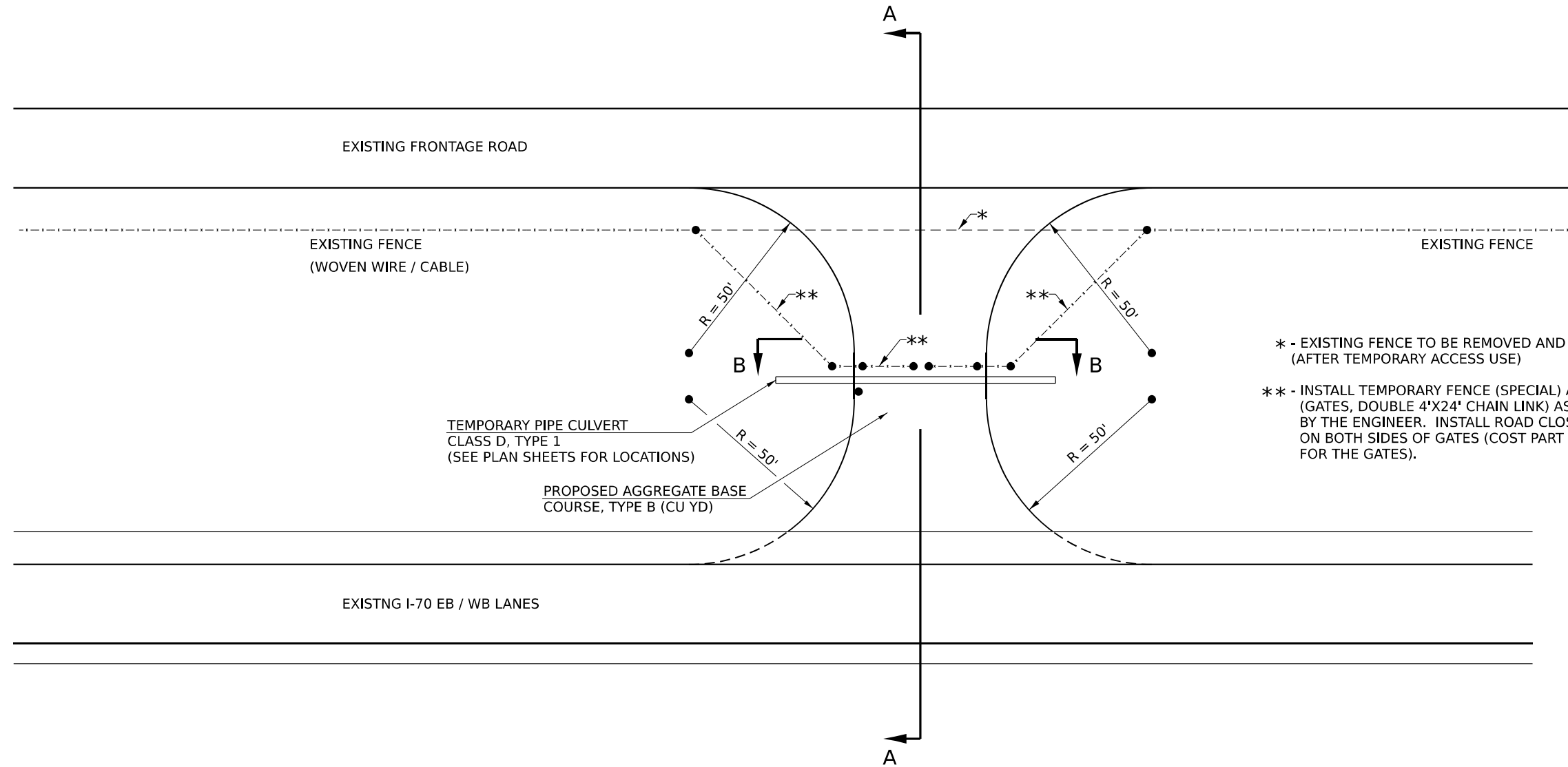
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REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

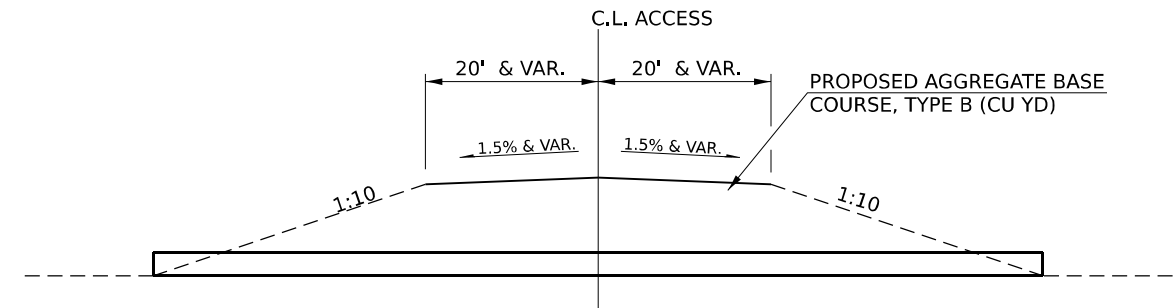
SURVEY MARKER VAULT

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+1.25-5)R	EFFINGHAM	790	398
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				



SECTION A - A



SECTION B - B

MODEL: Sheet 030
 FILE NAME: C:\Users\jbacon\OneDrive\Documents\BFW\PROJECTS\2020 PROJECTS\2021- DOT DT PTB 19745 I-70 Ruben\DOT\CAD_Sheets\074599\Sheet03.dwg



USER NAME	scraven
PLOT SCALE	0.8000" = 1'-0"
PLOT DATE	3/16/2022

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY EMERGENCY ACCESS TO
 FRONTAGE ROAD DETAILS**

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25+1.25-5)R	EFFINGHAM	790	399
CONTRACT NO. 74599				
ILLINOIS FED. AID PROJECT				

