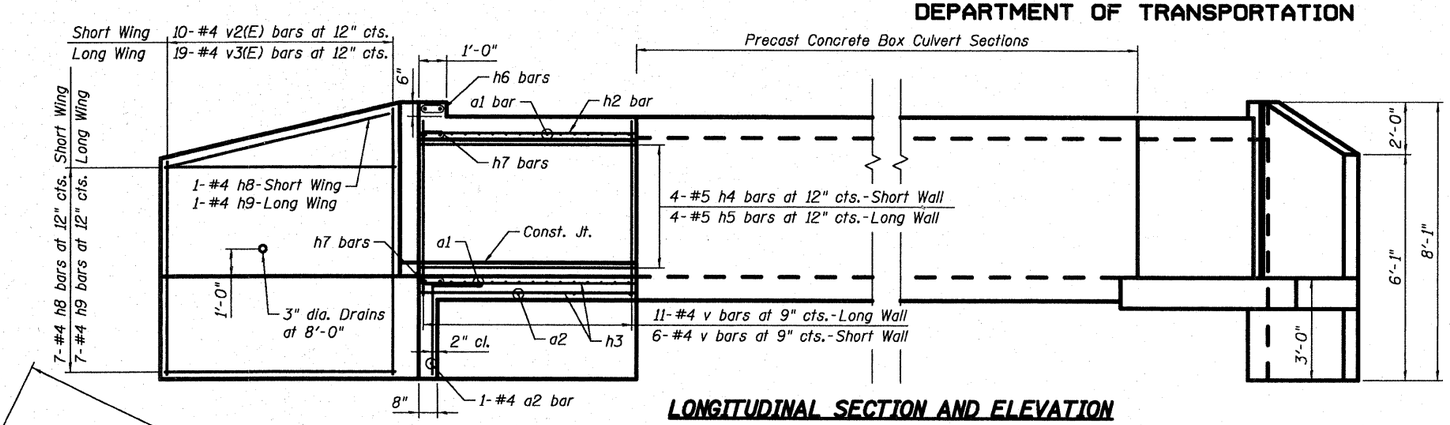
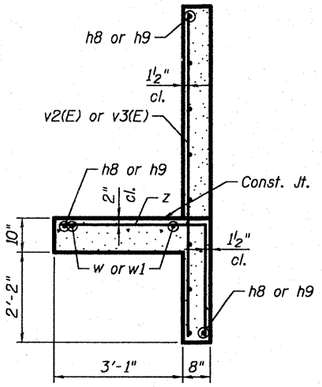
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

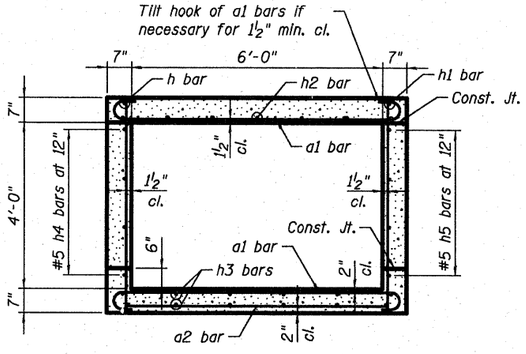


LONGITUDINAL SECTION AND ELEVATION



SECTION A-A

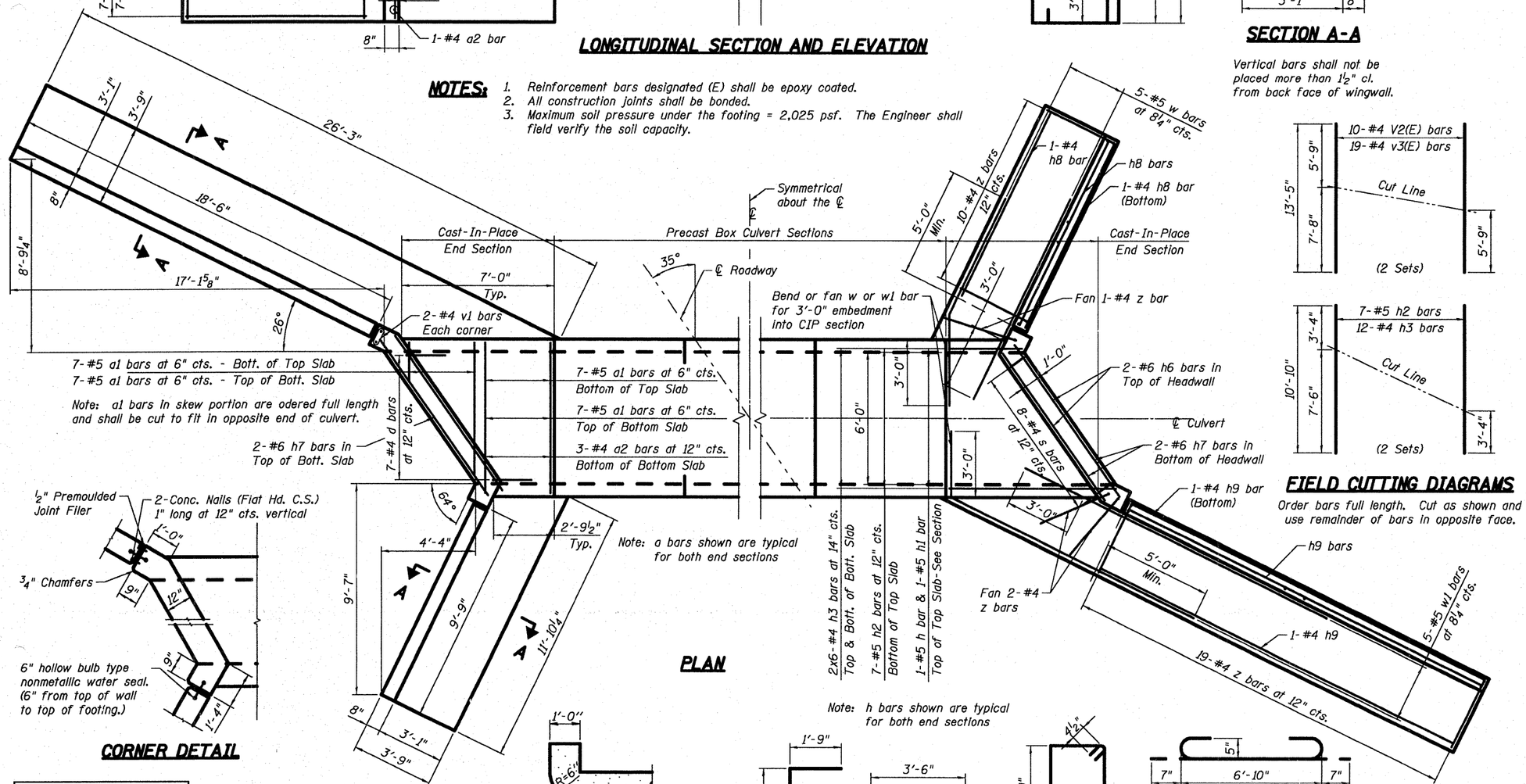
Vertical bars shall not be placed more than 1½" cl. from back face of wingwall.



SECTION THRU BARREL

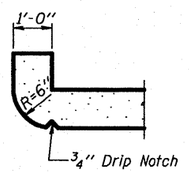
NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. All construction joints shall be bonded.
3. Maximum soil pressure under the footing = 2,025 psf. The Engineer shall field verify the soil capacity.



PLAN

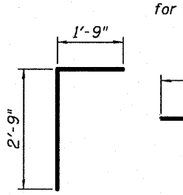
CORNER DETAIL



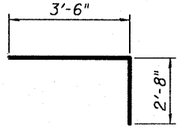
SECTION THRU HEADWALL

(Up Stream End Only)

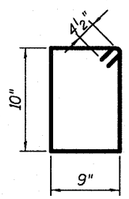
Note: h bars shown are typical for both end sections



BAR d



BAR z



BAR s

BAR a1

FIELD CUTTING DIAGRAMS

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

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	42	#5	8'-0"	
a2	8	#4	6'-10"	
d	14	#4	4'-6"	
h	2	#5	3'-4"	
h1	2	#5	7'-6"	
h2	7	#5	10'-10"	
h3	12	#4	10'-10"	
h4	8	#5	3'-4"	
h5	8	#5	7'-6"	
h6	4	#6	8'-2"	
h7	8	#6	9'-0"	
h8	20	#4	9'-4"	
h9	20	#4	18'-0"	
s	16	#4	3'-11"	
v	34	#4	4'-10"	
v1	8	#4	7'-9"	
v2(E)	10	#4	13'-5"	
v3(E)	19	#4	13'-5"	
w	10	#5	10'-6"	
w1	10	#5	15'-6"	
z	64	#4	6'-2"	
Box Culvert End Section		Each	2	
Concrete Structures		Cu. Yd.	25	
Reinforcement Bars		Pound	1,960	
Reinforcement Bars, Epoxy Coated		Pound	260	

Note: Bill of Material is for two (2) Box Culvert End Sections and is For Information Only. Box Culvert End Sections shall be paid for as Each.

END SECTION DETAILS
IL RTE 81 OVER UN-NAMED TRIBUTARY TO GREEN RIVER
F.A.P. ROUTE 611 - SECTION 103T-2
HENRY COUNTY, STATION 777+76.00
SN 037-1181

DESIGNED -	DLS
CHECKED -	AWH
DRAWN -	AWH
CHECKED -	DLS

200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

RHA&A
Robert H. Anderson & Associates, Inc.
Consulting Engineers
License No. 184-005281

SHEET NO. S-2
2 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	103T-2	HENRY	35	19
	SN 037-1181	CONTRACT NO. 64C66		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		