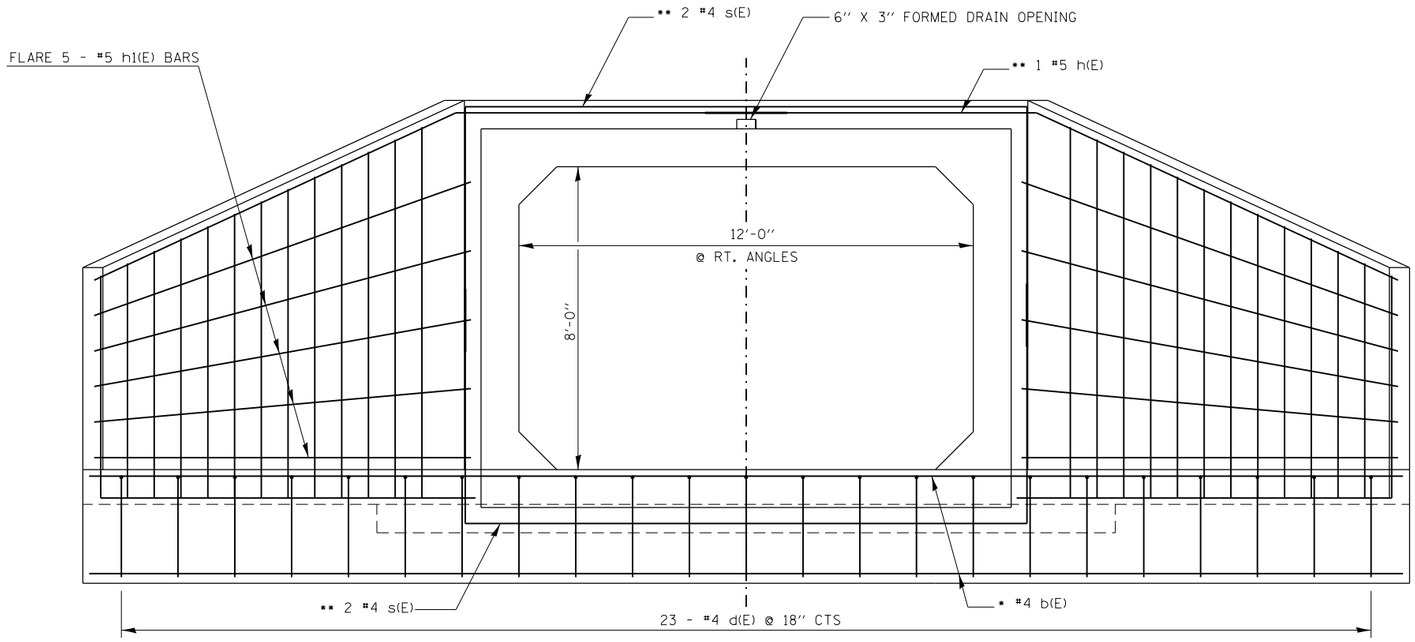
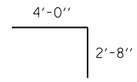
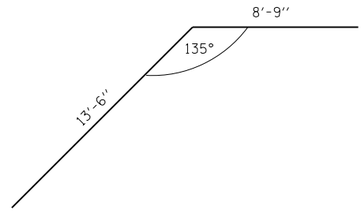


ELEVATION

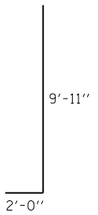
@ RT ∠'S TO ℄ OF BOX



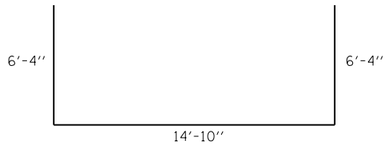
BAR d(E)



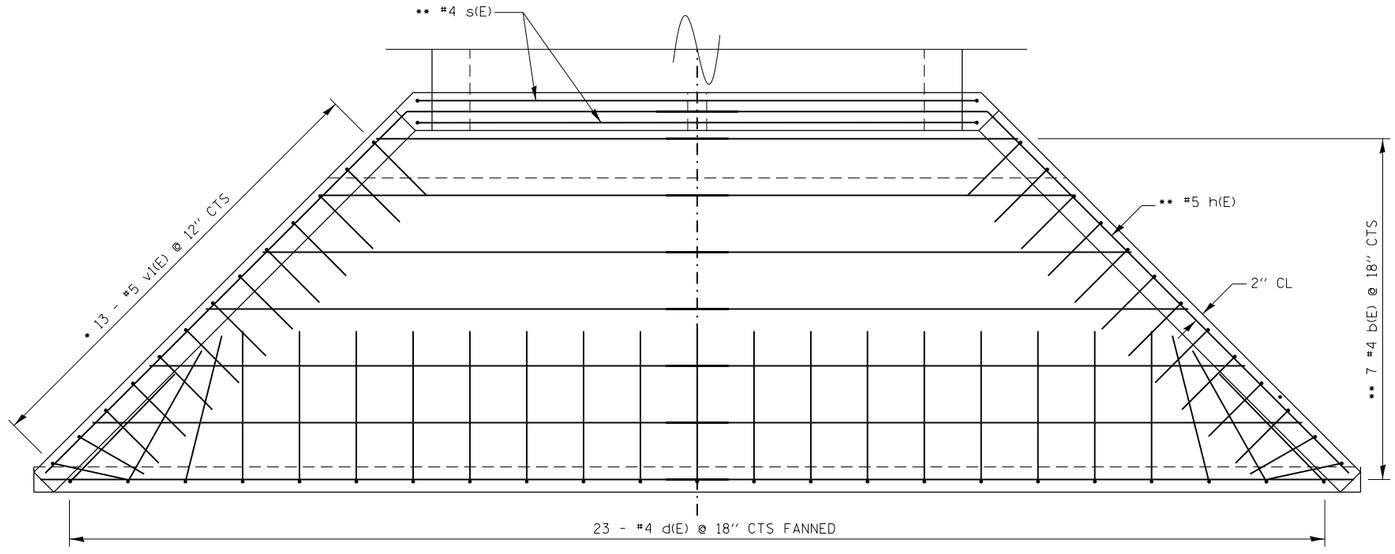
BAR h(E)



BAR v1(E)



BAR s(E)



PLAN

BILL OF MATERIAL

BAR	No.	SIZE	LENGTH	SHAPE
b(E)	36	#4	18'-2''	
d(E)	46	#4	6'-8''	
h(E)	4	#5	22'-3''	
h1(E)	20	#5	14'-6''	
s(E)	8	#4	27'-6''	
v1(E)	52	#5	11'-11''	
CONCRETE BOX CULVERTS			CU. YD.	34.8
REINFORCEMENT BARS EPOXY COATED			POUND	1840

NOTE: BILL OF MATERIAL SCHEDULE IS TOTAL FOR BOTH ENDS

DESIGN STRESSES

fy = 60,000 psi
f'c = 3,500 psi

MINIMUM BAR LAP

#4 = 1'-8''
#5 = 2'-2''

• CUT OR BEND TO FIT IN FIELD
•• LAP BARS WHERE NECESSARY

WORK THIS SHEET WITH SHEET 15 OF 20

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 706 GRADE 60.

EXPOSED EDGES SHALL BE BEVELED ¾''.

CAST-IN-PLACE CONCRETE APRON END SECTION REINFORCEMENT DETAILS

(TYPICAL EACH END)

FILE NAME = c:\pw_work\pwidot\porterwc\d0322720\78316-sht-plan.dgn	USER NAME = porterwc	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 8.0000 '/ in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/28/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CAST-IN-PLACE CONCRETE APRON END SECTION REINFORCEMENT DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
778	4B-2	HARDIN	19	13
		CONTRACT NO. 78316		
	ILLINOIS FED. AID PROJECT			