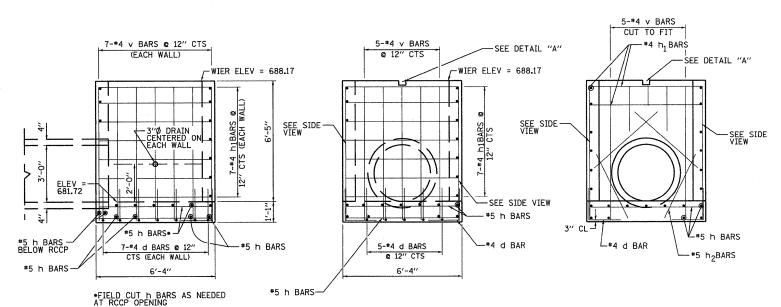
DROP BOX NO. 9

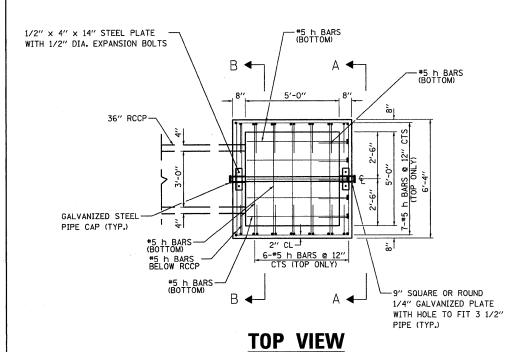
SN 071-1217 - LT STA. 986 + 88 (IL RTE 2)



SIDE VIEW

SECTION A-A

SECTION B-B



GENERAL NOTES:

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER "EACH" FOR **DROP BOX NO.9.** THIS WORK SHALL INCLUDE THE GALVANIZED PIPE, ANCHOR PLATES, & CAPS, CONCRETE BOX CULVERTS, REINFORCEMENT BARS, BOLTS, NUTS, WASHERS, INSTALLATION ON THE PROPOSED CULVERT, PIPE GRATING, EARTH EXCAVATION AND DIVERTING WATER WHERE REQUIRED, AND ANY NECESSARY GRADING TO FIT THE DROP BOX, AS SHOWN IN THE CROSS SECTIONS OR TO SLOPE.

EXPOSED EDGES SHALL BE BEVELED 3/4".

SLOPE FLOW LINE FOR DROP BOX NO. 9 IS THE SAME RATE AS THE FLOW LINE OF THE PIPE.

BOLTS, NUTS, AND WASHERS SHALL BE IN ACCORDANCE WITH ARTICLE 1006.08 OF THE STANDARD SPECIFICATION AND SHALL BE GALVANIZED.

STEEL PIPES SHALL CONFORM TO A.S.T.M. A-53 (TYPE E OR S) GRADE B, SCHEDULE 40, AND SHALL BE GALVANIZED CONFORMING TO A.S.T.M. A-120. CONTRACTOR SHALL FIELD VERIFY PIPE LENGTH.

STEEL PLATES SHALL CONFORM TO AASHTO M-270 GRADE 36 AND SHALL BE GALVANIZED CONFORMING TO AASHTO M-111.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706 GR. 60 (IL MODIFIED).

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DIVERTING THE WATER FLOW FROM THE CONSTRUCTION AREA USING A METHOD MEETING THE APPROVAL OF THE ENGINEER. THIS WORK SHALL BE IN ACCORDANCE WITH ARTICLE 503 OF THE STANDARD SPECIFICATION. COST INCLUDED WITH "DROP BOX NO. 9."

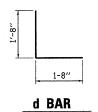
SEE PLAN AND PROFILE SHEET FOR MORE INFORMATION.

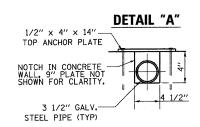
SEE CROSS SECTION SHEET FOR MORE INFORMATION INCLUDING INVERT ELEVATIONS.

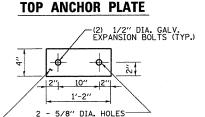
BILL OF MATERIALS

(FOR INFORMATION ONLY)

BAR	SIZE	NO.	LENGTH	SHAPE	
d	#4	19	3'-4"	L	
h	#5	23	6′-0′′		
h_1	#4	23	6′-0′′		
h ₂	#5	4	3′-10′′		
٧	#4	24	7'-1''		
DESCR	IPTION	L	UNIT	QTY	
CONC	RETE BOX	CULVERTS	CU YD	5.4	
REINF	ORCEMENT	BARS	LB	400	
3 1/2	" I.D. GA	LV STEEL PIPE	FOOT	6′-8"	
3 1/2	" GALV P	PIPE CAPS	EACH	2	
1/4"	GALV. ST	EEL PLATE (9" NOMINAL)	EACH	2	
1/2"	X 4" × 1	4" GALV. STEEL PLATE	EACH	2	
EXPAN	NSION BOL	TS 1/2"Ø	EACH	4	







DESIGN STRESSES

1/2" GALV. STEEL PLATE

fy = 60,000 psi

f'c = 3,500 psi



David F. Maxwell, S.E.

Reg. No. 081-005455

Date: 3/3/10

My registration expires November 30, 2010.

USER NAME =	DESIGNED		GSS	REVISED -
	DRAWN		GSS	REVISED -
PLOT SCALE =	CHECKED	-	CTH	REVISED -
PLOT DATE = 3/2/2010	DATE	-	3/2/2010	REVISED -

FILE NAME =

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DROP BOX NO. 9					F.A.P RTE.	SEC	SECTION	COUNTY	TOTAL SHEETS	SHE	
					742	37	₹-4	OGLE	867	16	
									CONTRACT	NO.	64E1
SCALE:	SHEET NO.	1 OF	1 SHEETS	STA.	TO STA.	FED. R	OAD DIST. NO.	ILLINOIS FED. A	ID PROJECT		