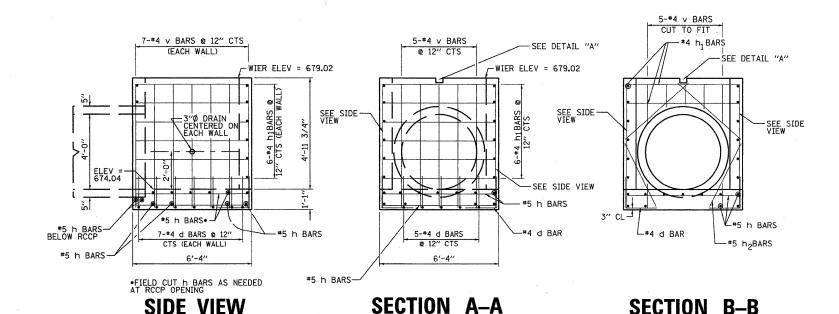
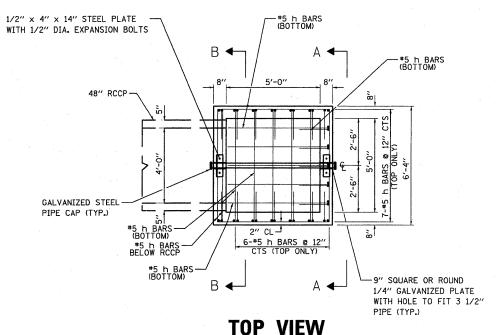
DROP BOX NO.1

SN 071-1205 - LT STA. 705 + 09 (IL RTE 2) CULVERT @ 0 SKEW TO RDWY





SIDE VIEW

GENERAL NOTES:

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER "EACH" FOR DROP BOX NO.1. 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.

SECTION B-B

EXPOSED EDGES SHALL BE BEVELED 3/4".

SLOPE FLOW LINE FOR DROP BOX NO. 1 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. 1."

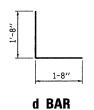
SEE PLAN AND PROFILE SHEET FOR MORE INFORMATION.

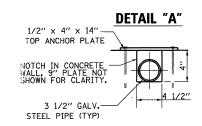
SEE CROSS SECTION SHEET FOR MORE INFORMATION INCLUDING INVERT ELEVATIONS.

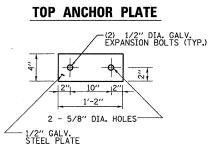
BILL OF MATERIALS

(FOR INFORMATION ONLY)

BAR	SIZE	NO.	LENGTH	SHAPE
d	#4	19	3'-4''	L
h	#5	23	6′-0′′	
h ₁	#4	20	6′-0′′	
h ₂	#5	4	4'-5''	
V	#4	24	5′-9′′	
DESCRIPTION			UNIT	QTY
CONCRETE BOX CULVERTS			CU YD	4.4
REINFORCEMENT BARS			LB	380
3 1/2" I.D. GALV STEEL PIPE			FOOT	6′-8′′
3 1/2" GALV PIPE CAPS			EACH	2
1/4" GALV. STEEL PLATE (9" NOMINAL)			EACH	2
1/2"	X 4" × 1	4" GALV. STEEL PLATE	EACH	2
EXPANSION BOLTS 1/2"Ø			EACH	4







DESIGN STRESSES

60,000 psi

f'c = 3,500 psi



Reg. No. 081-005455

My registration expires November 30, 2010.

FILE NAME =	USER NAME =	DESIGNED - GSS DRAWN - GSS	REVISED -	STATE OF ILLINOIS		DROP B		
	PLOT SCALE =	CHECKED - CTH	REVISED -	DEPARTMENT OF TRANSPORTATION		DROP		
	PLOT DATE = 3/2/2010	DATE - 3/2/2010	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS		

DROP BOX NO.1			F.A.P RTE.	F.A.P SECTION			COUNTY	TOTAL SHEETS	SHEE NO.
			742	37	R-4		OGLE	867	159
						-	CONTRA	CT NO.	64E1
SHEETS	STA.	TO STA.	FED. BC	AD DIST. NO.	TI I INOTS	FED. ATO	PROJECT		