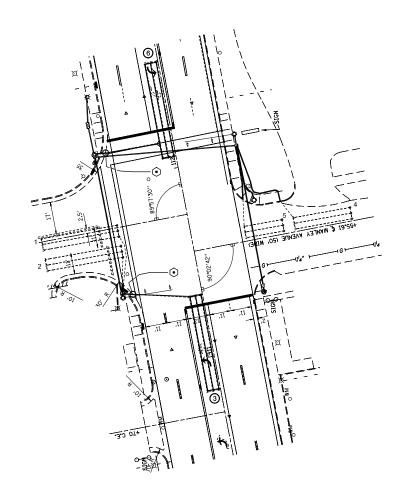
## DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 203 & MANLEY AVE.

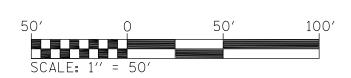
LOOP#	PHASE#	LOOP SIZE (FT. X FT.)	REQUIRED# OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS					
1. EB LT CD	4	6 X 40-Q	3-6-3	666.6	2.0					
2. EB THRU CD	4	6 X 40-Q	3-6-3	663.9	1.9					
3. NB THRU CD	1 & 6	6 X 50-Q	3-6-3	817.7	2.3					
4. EB THRU CD A	3	6 X 30-Q	3-6-3	522.1	1.8					
5. EB THRU CD B	3	6 X 20-Q	3-6-3	369.4	1.5					
6. SB THRU CD	2 & 5	6 X 50-Q	3-6-3	800.1	1.9					

Q=QUADRAPOLE

● =SEE DETAIL A



## IL 203 & MANLEY AVE.



	FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	DETECTOR LOOP REPLACE		CEMENT DIAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET	
	c:\pw_work\pwidot\prestonme\d0332003\d8	76g24-sht-TS.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS	5 OF 5		594	(X-3,X-2)RS-1	MADISON	52 50	
		PLOT SCALE = 50.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRACT NO. 76G24		
		PLOT DATE = 5/7/2014	DATE -	REVISED -		SCALE:	SHEET NO. 2 OF 7 SHEETS	STA. TO STA.		TILINOIS FED. A	AID PROJECT	