

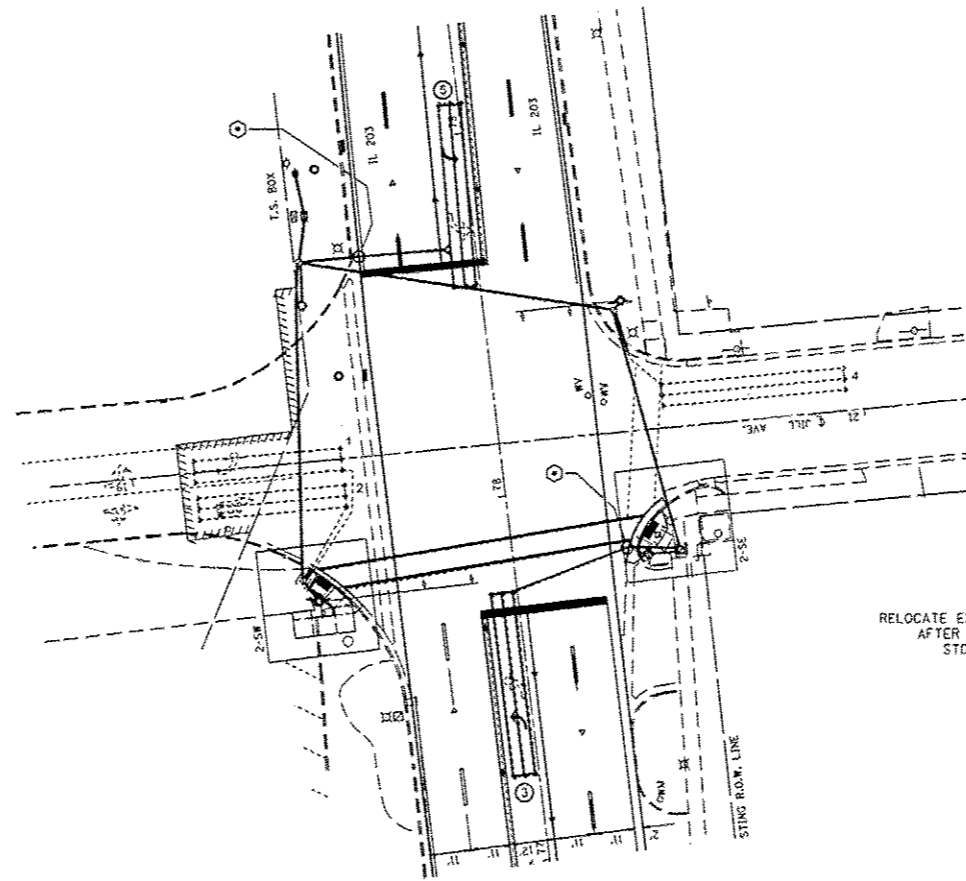
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 203 & JILL AVE.

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB THRU CD	3	6 X 40-0	3-6-3	670.1	2.1
2. EB THRU CD	3	6 X 40-0	3-6-3	667.0	2.0
3. NB THRU- LT CD	1 & 6	6 X 50-0	3-6-3	836.6	2.7
4. WB THRU- LT CD	4	6 X 50-0	3-6-3	818.3	2.3
5. SB THRU- LT CD	2 & 5	6 X 50-0	3-6-3	801.4	1.9

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

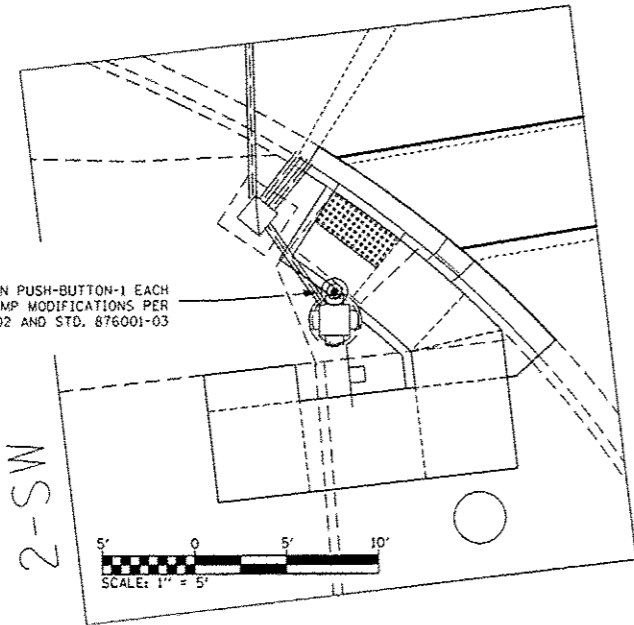
Q=QUADRAPOLE

⊙=SEE DETAIL A

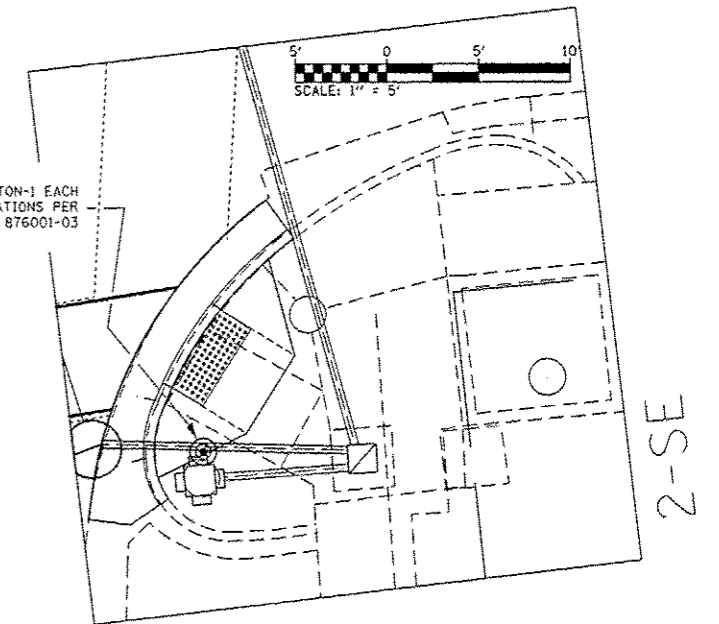


IL 203 & JILL AVE.

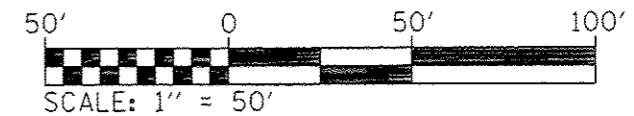
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON-1 EACH AFTER ADA SIDE WALK RAMP MODIFICATIONS PER STD. SPEC. ART. 895.02 AND STD. 876001-03



RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON-1 EACH AFTER ADA SIDE WALK RAMP MODIFICATIONS PER STD. SPEC. ART. 895.02 AND STD. 876001-03



△ REVISED SHEET 7-23-14



FILE NAME :	USER NAME : prestanna	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT & ADA T.S. MODIFICATION PLAN		F.A.P. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\p\dot\prestanna\0332003\dot\76g24-sh1-TS.dgn		DRAWN -	REVISED -		2 OF 5		594	(X-3,X-2)RS-1	MADISON	52	47	
	PLOT SCALE = 58.0289 / / in.	CHECKED -	REVISED -		SCALE:	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 5/28/2014	DATE -	REVISED -									