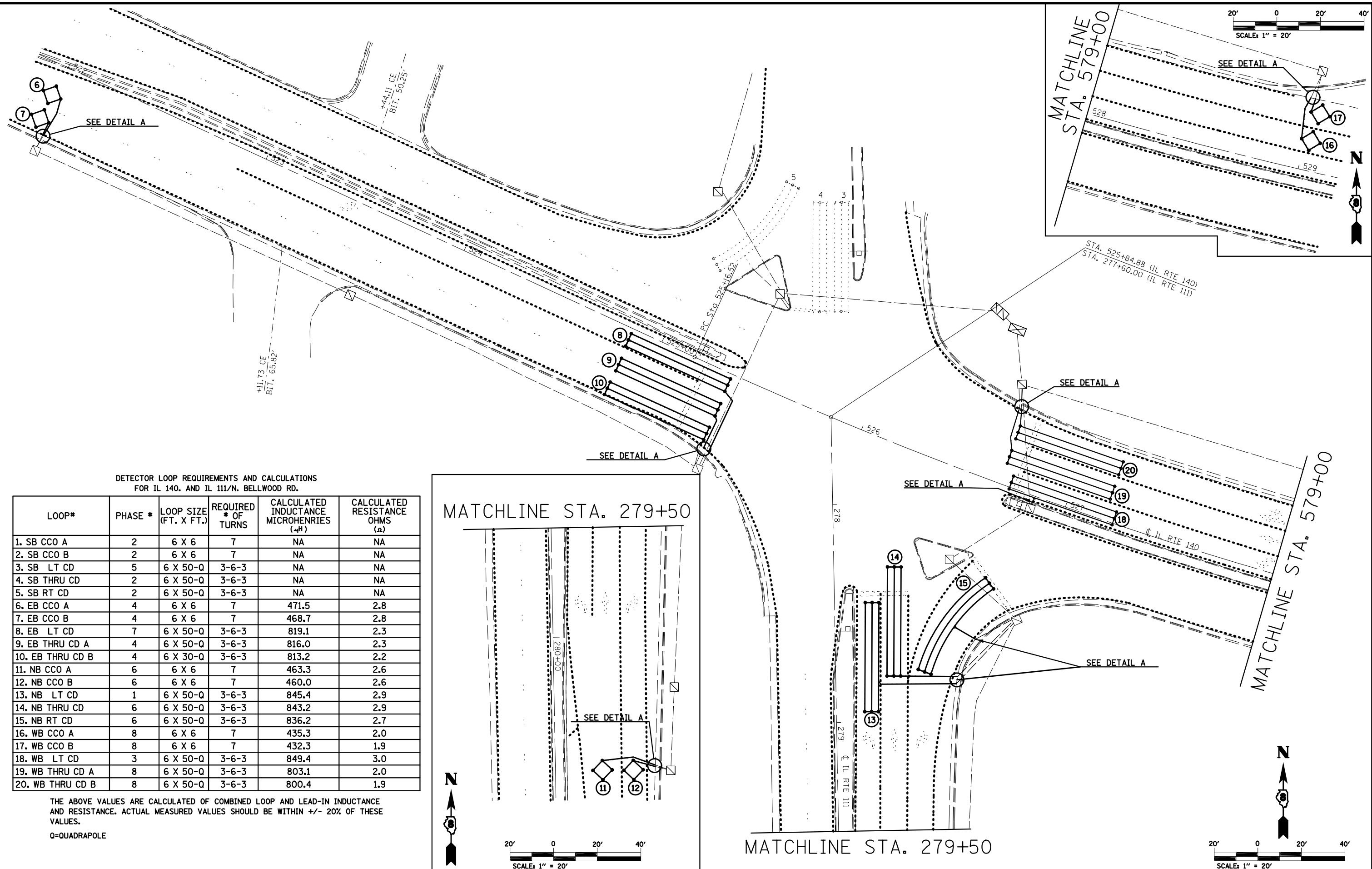




DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 140, AND IL 111/N. BELLWOOD RD.

LOOP*	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. SB CCO A	2	6 X 6	7	NA	NA
2. SB CCO B	2	6 X 6	7	NA	NA
3. SB LT CD	5	6 X 50-Q	3-6-3	NA	NA
4. SB THRU CD	2	6 X 50-Q	3-6-3	NA	NA
5. SB RT CD	2	6 X 50-Q	3-6-3	NA	NA
6. EB CCO A	4	6 X 6	7	471.5	2.8
7. EB CCO B	4	6 X 6	7	468.7	2.8
8. EB LT CD	7	6 X 50-Q	3-6-3	819.1	2.3
9. EB THRU CD A	4	6 X 50-Q	3-6-3	816.0	2.3
10. EB THRU CD B	4	6 X 30-Q	3-6-3	813.2	2.2
11. NB CCO A	6	6 X 6	7	463.3	2.6
12. NB CCO B	6	6 X 6	7	460.0	2.6
13. NB LT CD	1	6 X 50-Q	3-6-3	845.4	2.9
14. NB THRU CD	6	6 X 50-Q	3-6-3	843.2	2.9
15. NB RT CD	6	6 X 50-Q	3-6-3	836.2	2.7
16. WB CCO A	8	6 X 6	7	435.3	2.0
17. WB CCO B	8	6 X 6	7	432.3	1.9
18. WB LT CD	3	6 X 50-Q	3-6-3	849.4	3.0
19. WB THRU CD A	8	6 X 50-Q	3-6-3	803.1	2.0
20. WB THRU CD B	8	6 X 50-Q	3-6-3	800.4	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