



1.5" Radius, 0.6" Border, 0.4" Indent, White on Green;
[E CHURCH ST] D;

DETAIL-F

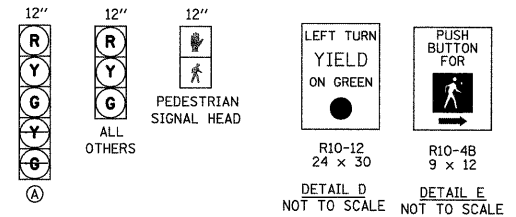
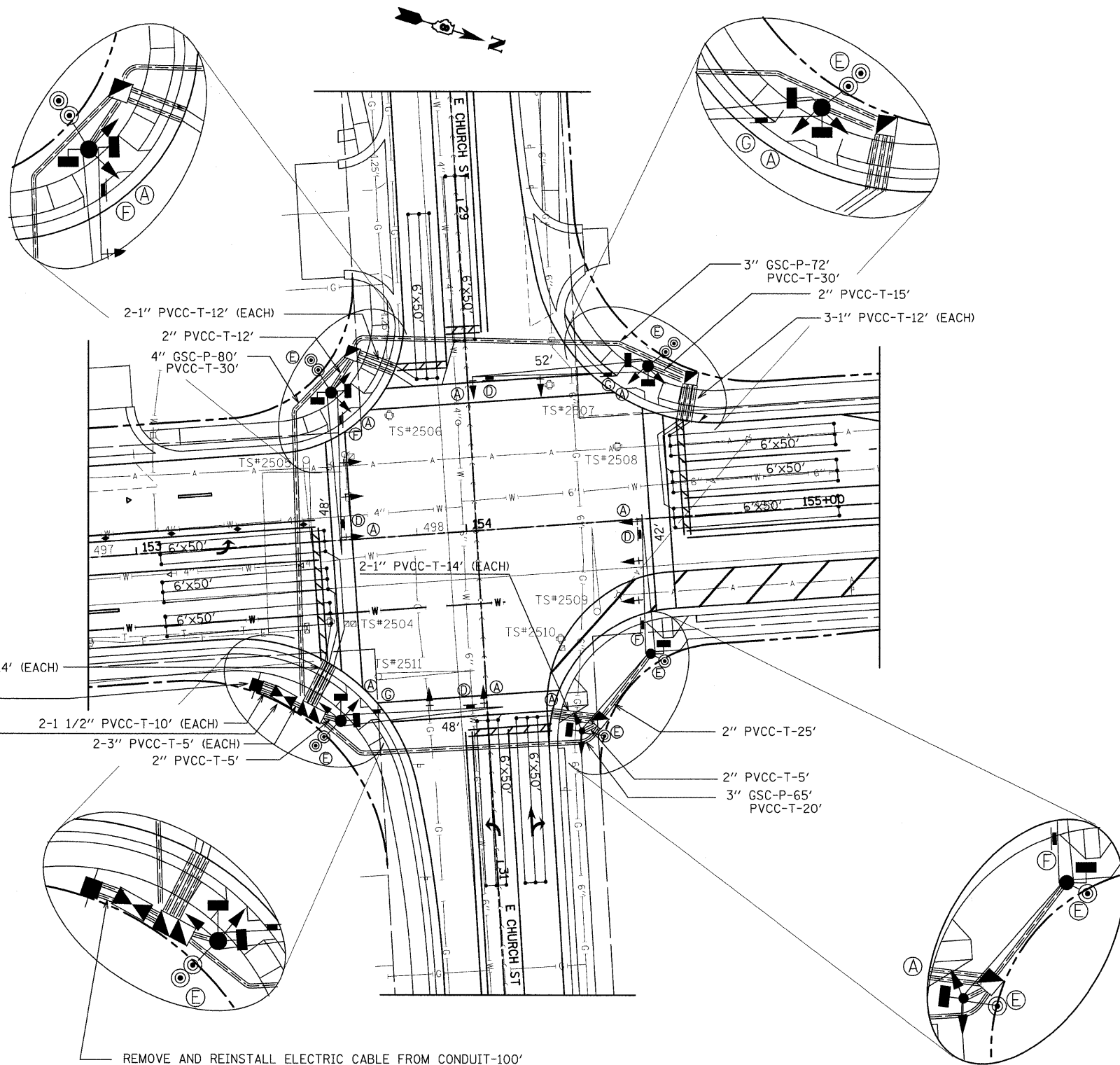


1.5" Radius, 0.6" Border, 0.4" Indent, White on Green;
[S MORRISON AVE] D;

DETAIL-G

STREET NAME SIGN

NOT TO SCALE



PROPOSED TRAFFIC SIGNAL FACES

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 159 AND E. CHURCH ST.

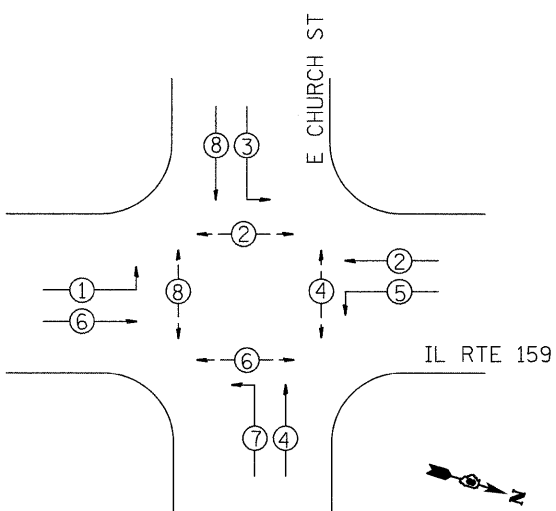
LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)
NB LT TURN#1	1	6x50	3-6-3	806	2.04
NB THRU LN#2	6	6x50	3-6-3	806	2.04
NB THRU LN#3	6	6x50	3-6-3	806	2.04
SB LT TURN#4	5	6x50	3-6-3	854	3.14
SB THRU LN#5	2	6x50	3-6-3	854	3.14
SB THRU LN#6	2	6x50	3-6-3	854	3.14
EB LT#7	3	6x50	3-6-3	829	2.56
EB THRU LN#8	8	6x50	3-6-3	829	2.56
WB LT#9	7	6x50	3-6-3	822	2.40
WB THRU LN#10	4	6x50	3-6-3	822	2.40

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

FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE 8 PHASES, IN TYPE IV CABINET.

PROPOSED SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←*	↕	↕*	←	→*	↕	↕*
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4

* PEDESTRIAN MOVEMENT DISPLAY UPON ACTUATION ONLY. PHASES 4 AND 8; 2 AND 6 SHALL TIME CONCURRENTLY



PHASE DESIGNATION DIAGRAM

