

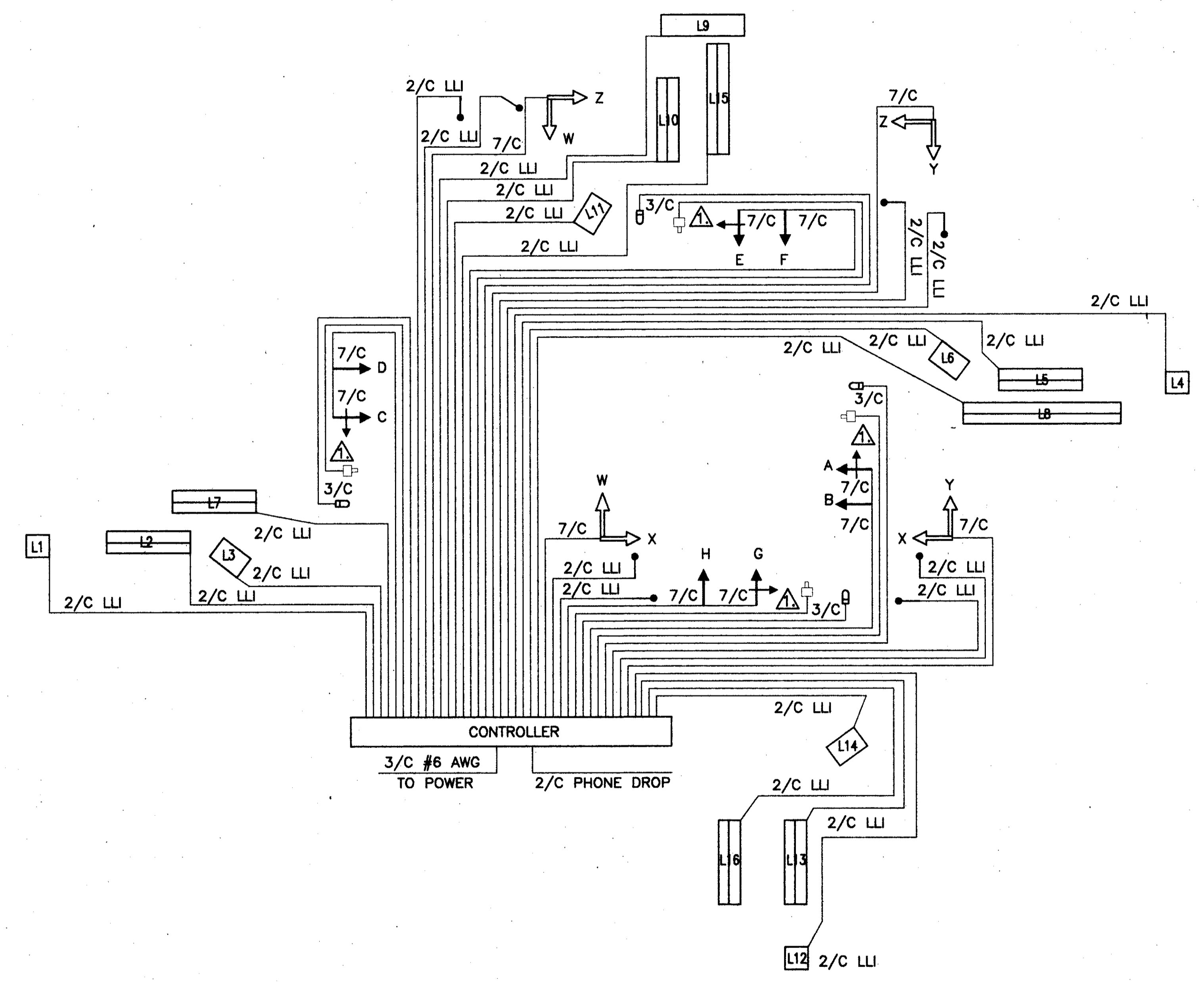
CALCULATED
CHECKED

TRAFFIC CONTROL PLAN
LIBERTY STREET & WASHINGTON STREET

LAKE COUNTY
LAK-20-22.916/VARIOUS

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WIRING DIAGRAM



ESTIMATED QUANTITIES

ITEM	QUANT	UNIT	DESCRIPTION
202	87.1	SQ. METER	WALK REMOVED, AS PER PLAN
608	87.1	SQ. METER	100mm CONCRETE WALK
625	1	EACH	CURB RAMP, TYPE 2
625	201.2	METER	CONDUIT, 51 mm, 713.04
625	2.6	METER	CONDUIT, 76 mm, 713.04
625	48.1	METER	CONDUIT, JACKED OR DRILLED, SIZE: 51 mm
625	61.4	METER	CONDUIT, JACKED OR DRILLED, SIZE: 76 mm
625	204.2	METER	TRENCH
625	4	EACH	PULLBOX, 713.08, 450 mm
625	1	EACH	PULLBOX, 713.08, 600 mm
625	2	EACH	PULLBOX, MISC.: 330 mm X 600 mm, AS PER PLAN
625	1	EACH	PULLBOX, MISC.: 430 mm X 760 mm, AS PER PLAN
625	5	EACH	GROUND ROD
630	1	EACH	PULL BOX REMOVED
632	4	EACH	VEHICULAR SIGNAL HEAD, 3-SECT., 300 mm LENS, 1-WAY, AS PER PLAN
632	4	EACH	VEHICULAR SIGNAL HEAD, 5-SECT., 300 mm LENS, 1-WAY, AS PER PLAN
632	8	EACH	PEDESTRIAN SIGNAL HEAD, TYPE D2, AS PER PLAN
632	8	EACH	COVERING OF VEHICULAR SIGNAL HEAD
632	8	EACH	PEDESTRIAN PUSHBUTTON, AS PER PLAN
632	16	EACH	DETECTOR LOOP
632	12	EACH	LOOP DETECTOR UNIT, AS PER PLAN
632	4	EACH	LOOP DETECTOR UNIT, DELAY & EXTENSION TYPE, AS PER PLAN
632	196.6	METER	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG
632	371.9	METER	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	196.6	METER	SIGNAL CABLE, MISC.: PREEMPT DETECTOR CABLE
632	4	EACH	SIGNAL SUPPORT FOUNDATION
632	991.5	METER	LOOP DETECTOR LEAD-IN CABLE
632	20.7	METER	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG
632	1	EACH	CONDUIT RISER, 51mm DIAMETER
632	2	EACH	SIGNAL SUPPORT, TYPE TC-81.20M, DES. 2
632	2	EACH	SIGNAL SUPPORT, TYPE TC-81.20M, DES. 3
632	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION
633	1	EACH	CONTROLLER, ACTUATED, 8 PHASE, SOLID-STATE DIGITAL MICROPROCESSOR, AS PER PLAN
633	1.40	CU. METER	CONCRETE FOR CABINET FOUNDATION
633	4	EACH	CONTROLLER ITEM, MISC.: PREEMPT DETECTORS
633	1	EACH	CONTROLLER ITEM, MISC.: PREEMPT PHASE SELECTOR
633	4	EACH	CONTROLLER ITEM, MISC.: CONFIRMATION LIGHT

PREEMPT CHANNELS

CHANNEL 1 = #2 (EASTBOUND ONLY) CHANNEL 3 = #4 (NORTHBOUND ONLY)
 CHANNEL 2 = #2 (WESTBOUND ONLY) CHANNEL 4 = #4 (SOUTHBOUND ONLY)

PREEMPT NOTES:

1. ACTIVE WALK INDICATIONS SHALL IMMEDIATELY GO TO "DON'T WALK" UPON RECEIVING PREEMPTION SIGNAL.
2. IF PHASE ACTIVE CONFLICTS WITH PREEMPT PHASE CALLED, IT SHALL IMMEDIATELY TIME ITS YELLOW AND ALL RED CLEARANCES.
3. IF ACTIVE PHASE = THE PREEMPT PHASE, THEN THE PHASE SHALL HOLD FOR THE DURATION OF THE PREEMPT SIGNAL.
4. AFTER RELEASE FROM PREEMPT, YELLOW AND ALL RED CLEARANCE SHALL BE DISPLAYED AND RETURN PHASE SHALL BE #2.
5. IF PREEMPT PHASES = RETURN PHASE #2 THEN YELLOW AND ALL RED CLEARANCE AFTER PREEMPT SHALL NOT BE DISPLAYED.

SYMBOL

- = PREEMPT DETECTOR
- = CONFIRMATION LIGHT
- = PREEMPT DETECTOR CABLE