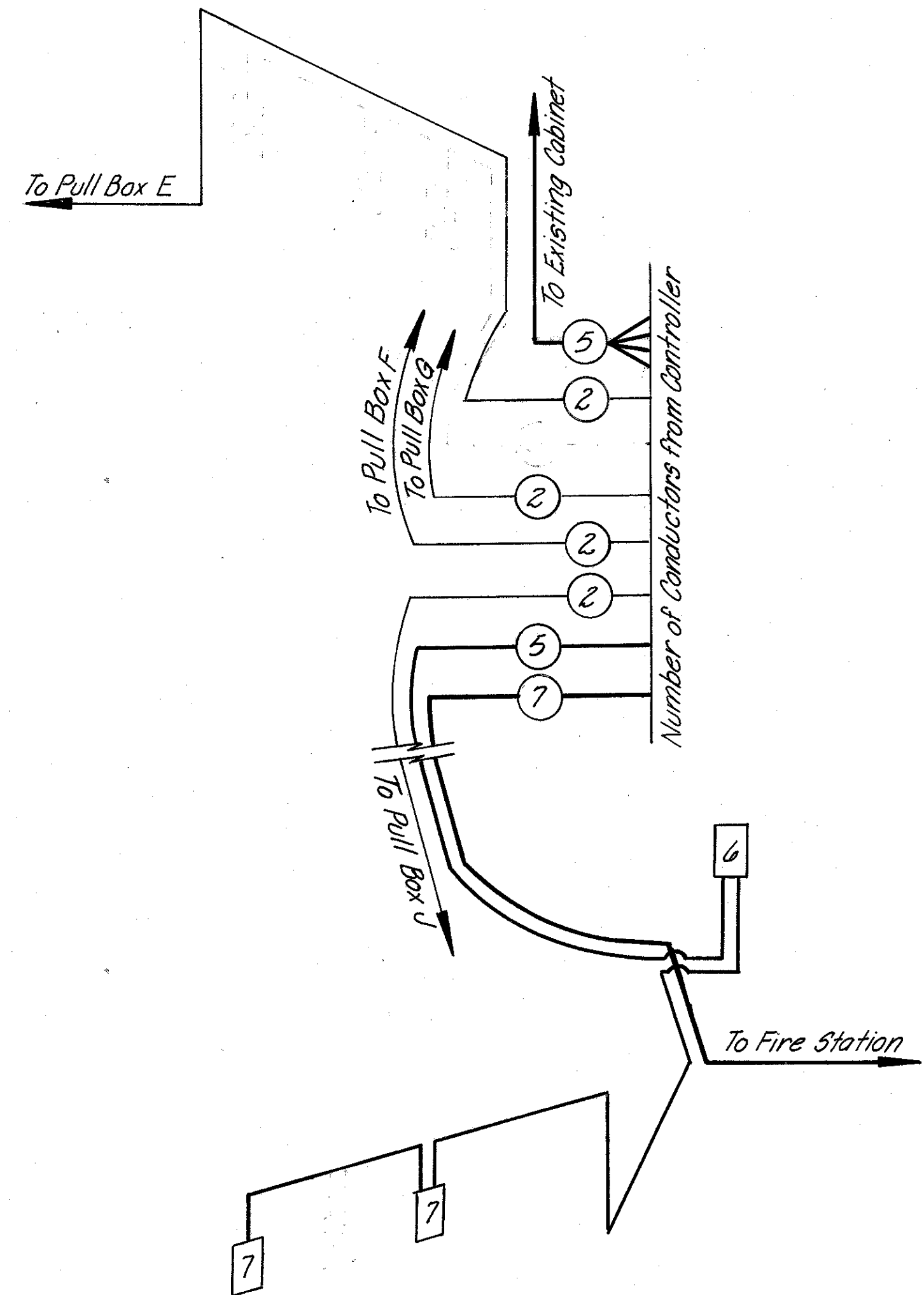


QUANTITY CALCULATIONS
 BY: *D.H.C.* DATE: 3/73
 CHECKED: *J.B.* DATE: 3/73
 ADDRESS & TELE. LIMITED

FED. RD. DIVISION	STATE	PROJECT	20
5	OHIO		23

LAK-040-0.98
 LAK-283-383
 LAK-91-5.49



WIRING DIAGRAM

CONTROLLER TIMING

	Phase		
	C	B	A
Initial Vehicle	4	3	4
Maximum	*	*	*
Clearance (Yellow)	4	4	4
Recall Switch	ON	OFF	OFF

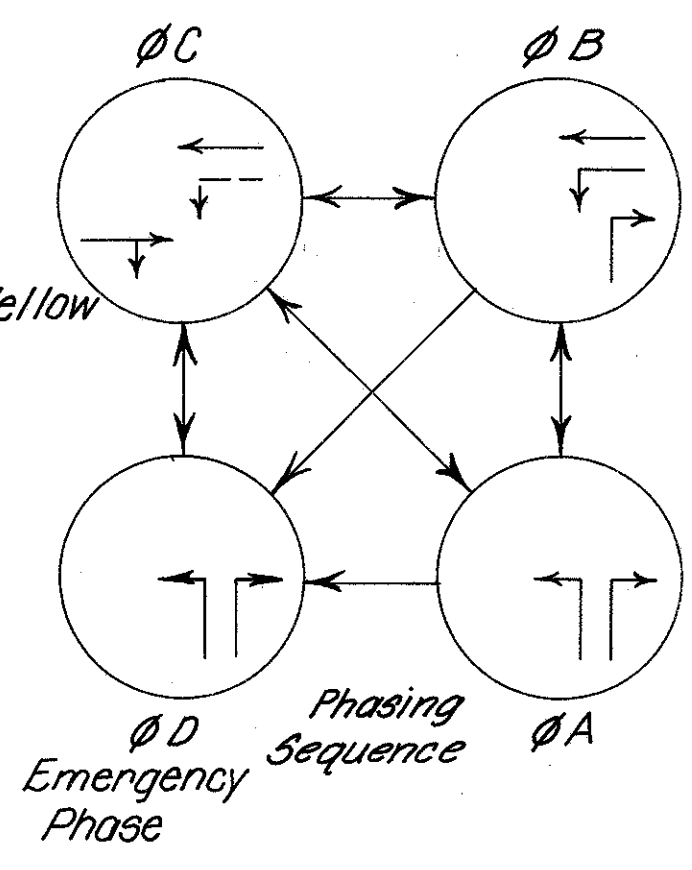
* Set Maximum Intervals Identical to Existing Green Intervals on Existing 18C4 Controller.

CONTROLLER DATA

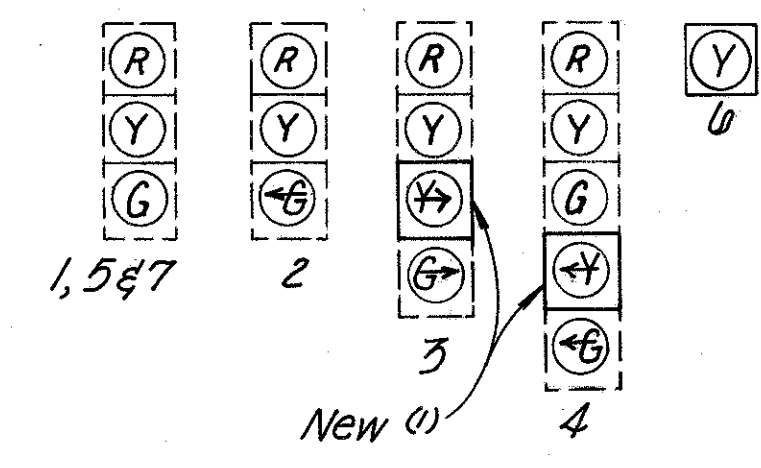
Sequence	Phase								Flash
	C		B		A		** D		
	R/W	C	R/W	C	R/W	C	R/W	C	
Signal 1	G	Y	R	R	R	R	R	R	R
Signal 2	R	R	R	R	G	Y	G	Y	Y
Signal 3	R	R	R/A	R/A	G	Y	G	Y	Y
Signal 4	G	G	G	G	R	R	R	R	R
Signal 5	G	G	G	G	R	R	R	R	R
Signal 6	D	D	D	D	D	D	FY	D	D
Signal 7	G	G	G	G	G	R	R	Y	Y

- (1) R if phase C is next (R/Y when yellow arrow becomes legal in Ohio)
- (2) Y/G if phase B is next
- (3) Y if phase A is next
- (4) G if phase C is next (G/Y when yellow arrow becomes legal in Ohio)
- (5) G if phase C is next

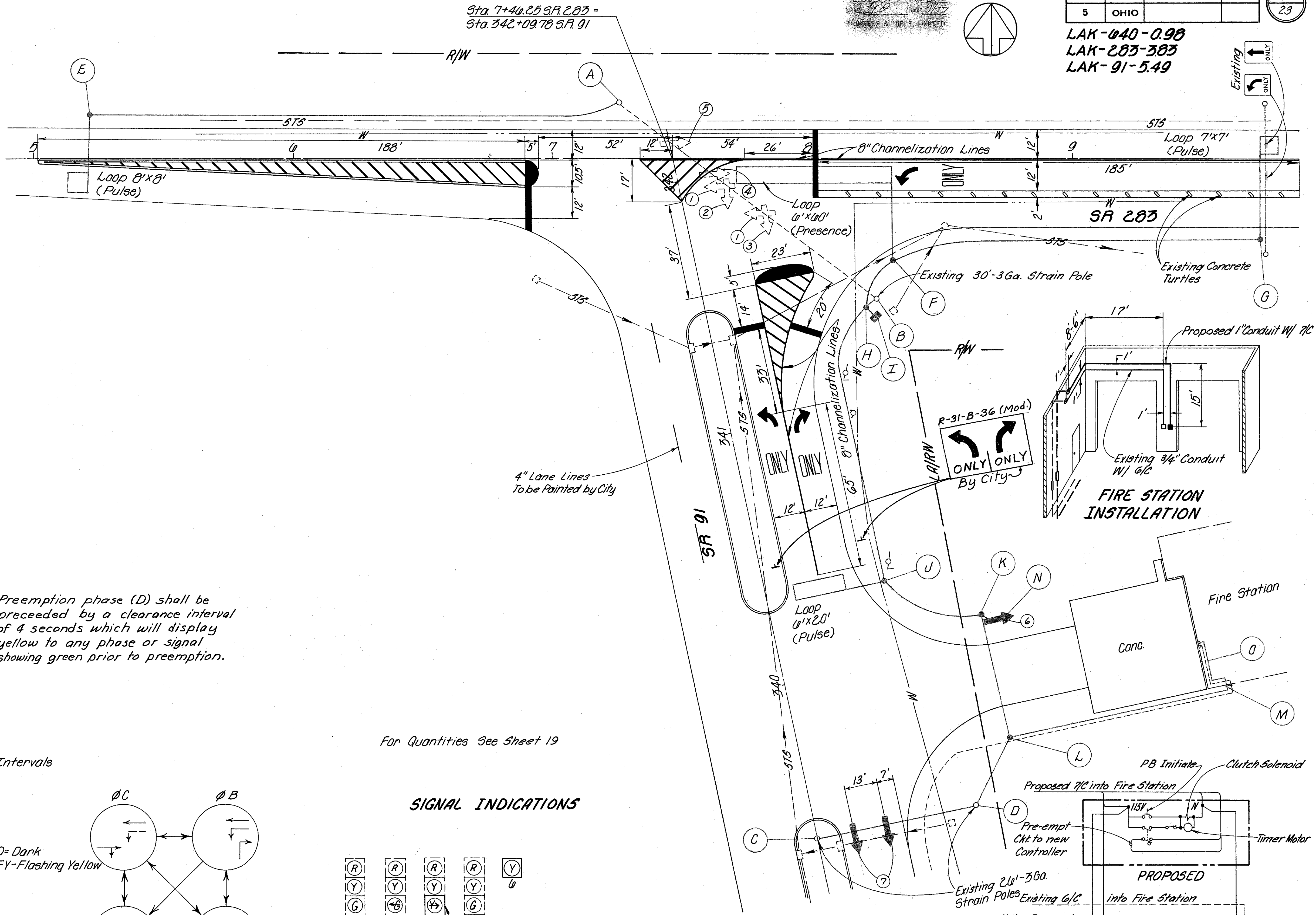
** Preemption phase (D) shall be preceded by a clearance interval of 4 seconds which will display yellow to any phase or signal showing green prior to preemption.



SIGNAL INDICATIONS



(1) Sections will be wired at signal heads and at Controller but will be covered until yellow arrows become legal in Ohio.



For Quantities See Sheet 19

SR 91 INTERCONNECT TIMING SCHEDULE

INTERSECTIONS	70 Second Cycle Offset*		80 Second Cycle Offset*		90 Second Cycle Offset*	
	Sec.	%	Sec.	%	Sec.	%
SR 91 Roberts Road	4.9	7	32	40	34.2	38
SR 91 Lake Shore (SR 283)	51	74	11	14	9	10

* Offsets are measured to the beginning of green cycle for each intersection.

Note: Reconnect This Timer To New 15V Source

FIRE PRE-EMPTION UNIT DIAGRAM