

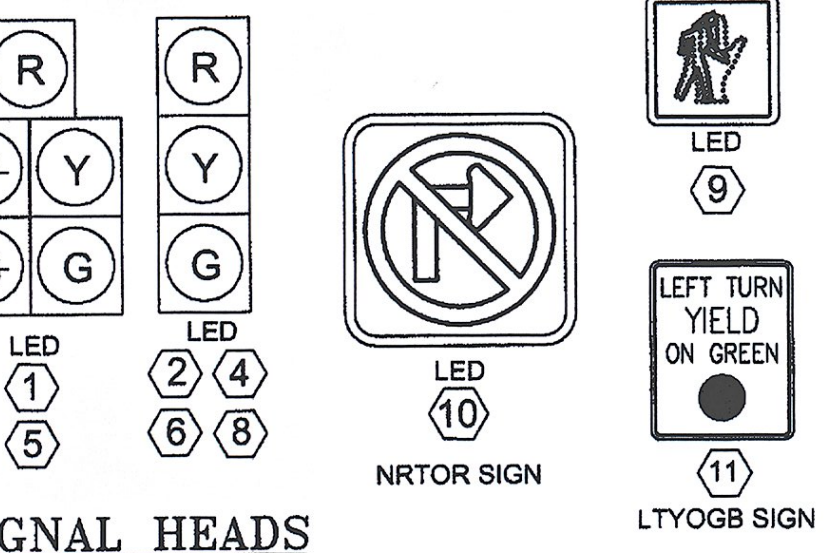
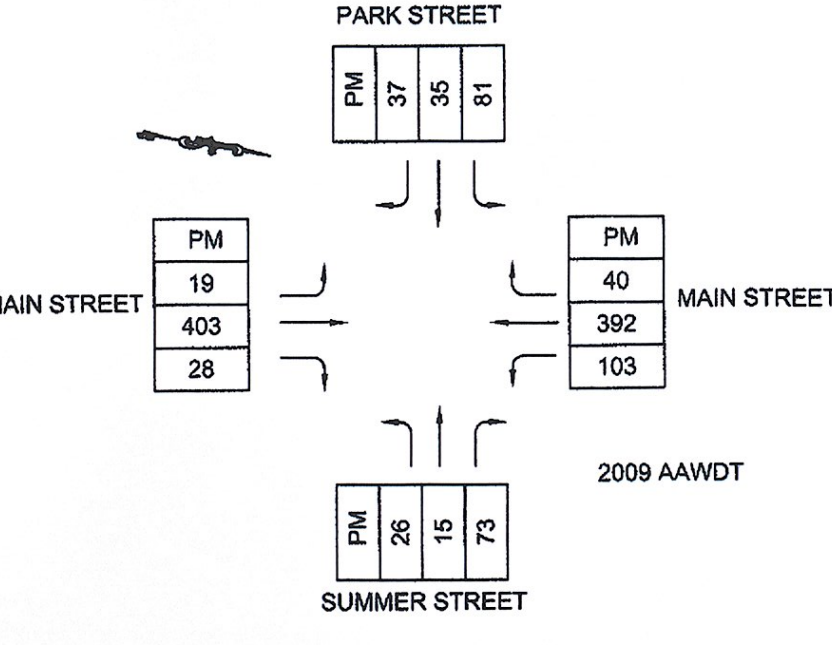
5/26/09
Modifications
For
Pavement
Markings

TRAFFIC SIGNAL LEGEND

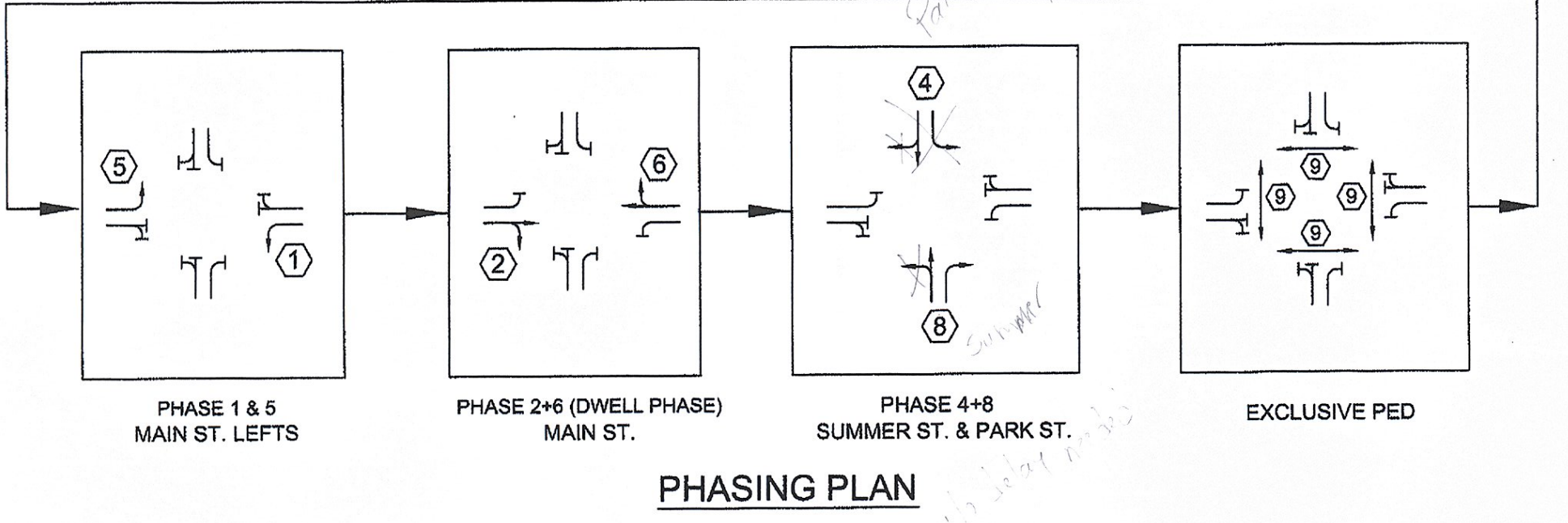
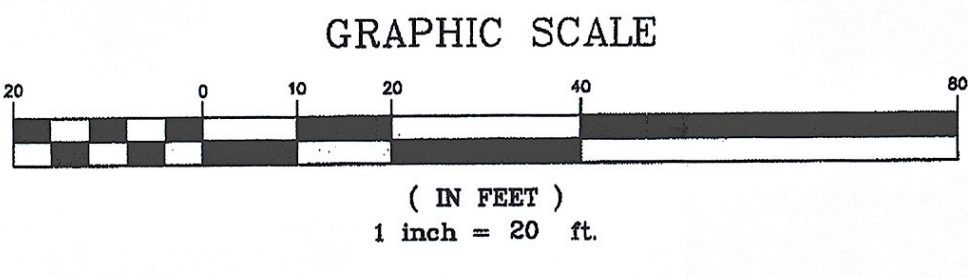
- EXISTING WIRED CONDUIT
- - - EXISTING CONDUIT SLEEVE
- - - NEW WIRED CONDUIT
- EXISTING JUNCTION BOX
- NEW JUNCTION BOX
- ⊙ EXISTING SIGNAL HEAD
- ⊙ NEW SIGNAL HEAD
- ⊙ NEW MAST ARM POLE
- ⊙ NEW SIGNAL CONTROLLER
- ⊙ NEW LOOP DETECTOR & LEAD-IN

PAVEMENT MARKING LEGEND

- ◇ 24" DURABLE SOLID WHITE STOPBAR
- ◇ 4" DURABLE SOLID WHITE LINE
- ◇ DOUBLE 4" DURABLE SOLID YELLOW LINE
- ◇ DURABLE 4" DOTTED WHITE LINE
- ◇ DURABLE LETTER OR SYMBOL
- ◇ PAINTED 4" SOLID WHITE LINE
- ◇ PAINTED LETTER OR SYMBOL
- ◇ 24" PAINTED SOLID WHITE STOPBAR
- ◇ DOUBLE 4" PAINTED SOLID YELLOW LINE
- ◇ PAINTED 4" DOTTED WHITE LINE



THE CONTRACTOR SHALL NOTIFY "DIGSAFE" AT 1-888-DIG-SAFE PRIOR TO ANY EXCAVATION.



PROGRAM CONTROLLER FOR NEMA DUAL RING / FULLY ACTUATED OPERATION	PHASE 1&5 MAIN ST. LEFTS	PHASE 2+6 MAIN ST.	PHASE 4+8 PARK ST./ SUMMER ST.	PHASE 9 EXCLUSIVE PED. PHASE
VEH. EXTENSION	2	2	2	-
RT. TURN DELAY	-	-	5	-
MIN. GREEN	8	8	8	-
YELLOW CLEAR	4	4	4	⑩ NRTOR
RED CLEAR	2	2	2	MAN FLASHING HAND HAND
MAX. GREEN	10	30	12	4 15 2
FLASHING OPERATION (9:30 PM - 6:30 AM)	① + ⑤ →PY	② + ⑥ FY	④ + ⑧ FR	BLANK

FY = FLASHING YELLOW
FR = FLASHING RED

TRAFFIC SIGNAL CONDUIT SCHEDULE

FROM	TO	WIRED CONDUIT		DESCRIPTION
		1 1/2"	2"	
CONTROLLER CABINET	JUNCTION BOX #1	3'	3'	SIGNAL WIRING & LOOP WIRING
CONTROLLER CABINET	MAST ARM #1		3'	SIGNAL WIRING
CONTROLLER CABINET	LOOP #1 & #6	12'		LOOP WIRING
JUNCTION BOX #1	JUNCTION BOX #2	60'	60'	SIGNAL WIRING & LOOP WIRING
JUNCTION BOX #1	JUNCTION BOX #4	72'	72'	SIGNAL WIRING & LOOP WIRING
JUNCTION BOX #1	LOOP #8 & #8A	3'		LOOP WIRING
JUNCTION BOX #2	MAST ARM #2		7'	SIGNAL WIRING
JUNCTION BOX #2	LOOP #2 & #5	9'		LOOP WIRING
JUNCTION BOX #4	MAST ARM #4		6'	SIGNAL WIRING
JUNCTION BOX #4	JUNCTION BOX #4	48'	48'	SIGNAL WIRING & LOOP WIRING
JUNCTION BOX #3	MAST ARM #3		8'	SIGNAL WIRING
JUNCTION BOX #3	LOOP #4 & #4A	3'		LOOP WIRING

VEHICLE LOOP DETECTOR SCHEDULE

LANE	LOOP #	SIZE	TYPE	# OF TURNS	CALL PHASE	MODE	INDUCTANCE (uH)		RESISTANCE (ohms)		LEAKAGE TO GROUND (m-ohms)
							CALC.	MEAS.	CALC.	MEAS.	
MAIN ST. SB LT	①	6' x 40'	LONG	2	1	PRES.	350		0.70		
MAIN ST. NB	②	6' x 40'	LONG	2	2	PRES.	363		0.87		
PARK ST. EB TH/RT	③	6' x 40'	LONG	2	4	PRES.	373		1.00		
PARK ST. EB LT	④	6' x 40'	LONG	2	4	PRES.	375		1.04		
MAIN ST. NB LT	⑤	6' x 40'	LONG	2	5	PRES.	365		0.90		
MAIN ST. SB	⑥	6' x 40'	LONG	2	6	PRES.	352		0.73		
SUMMER ST. WB TH/LT	⑦	6' x 40'	LONG	2	8	PRES.	347		0.67		
SUMMER ST. WB RT	⑧	6' x 40'	LONG	2	8	PRES.*	344		0.63		

* DELAY ON RIGHT TURN LOOP

NOTES:

- ALL DURABLE PAVEMENT MARKINGS SHALL BE THERMOPLASTIC WITH THE EXCEPTION OF THE STOP BARS WHICH SHALL BE 3M TAPE GLUED.
- EXISTING LIGHTING AND TRAFFIC SIGNAL CONDUITS TO BE ABANDONED.
- CONDUIT SLEEVES SHALL BE INSTALLED BY OPEN CUT AND SHALL BE SDR 35 PVC PIPE.
- NEW TRAFFIC SIGNAL CONTROLLER SHALL BE CONFIGURED TO ALLOW DUAL-RING CONTROL (NEMA PHASING).

DATE	REVISIONS	BY
	THESE PLANS WITH LATEST REVISIONS SHOULD ONLY BE USED FOR THE PURPOSE SHOWN BELOW.	# OF SHEETS
	<input type="checkbox"/> SKETCH/CONCEPT <input type="checkbox"/> PRELIMINARY <input type="checkbox"/> FINAL 85% PLANS <input checked="" type="checkbox"/> CONTRACT PLANS (4-24-08)	

TOWN OF SPRINGFIELD, VERMONT
SPRINGFIELD TCSE 006
STP 016-2(15)

**MAST ARM DESIGN
SIGNAL LAYOUT PLAN**

LAMOUREUX & DICKINSON
Consulting Engineers, Inc.
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Essex Junction, VT 05452
Tel: 802-878-4450

Proj. no. 05015
Survey MG/JT/JMD
Design JLC
Drawn JT/BH
Checked DLH/DJG
Date 04/25/05
Scale 1" = 20'
Sheet no. 15