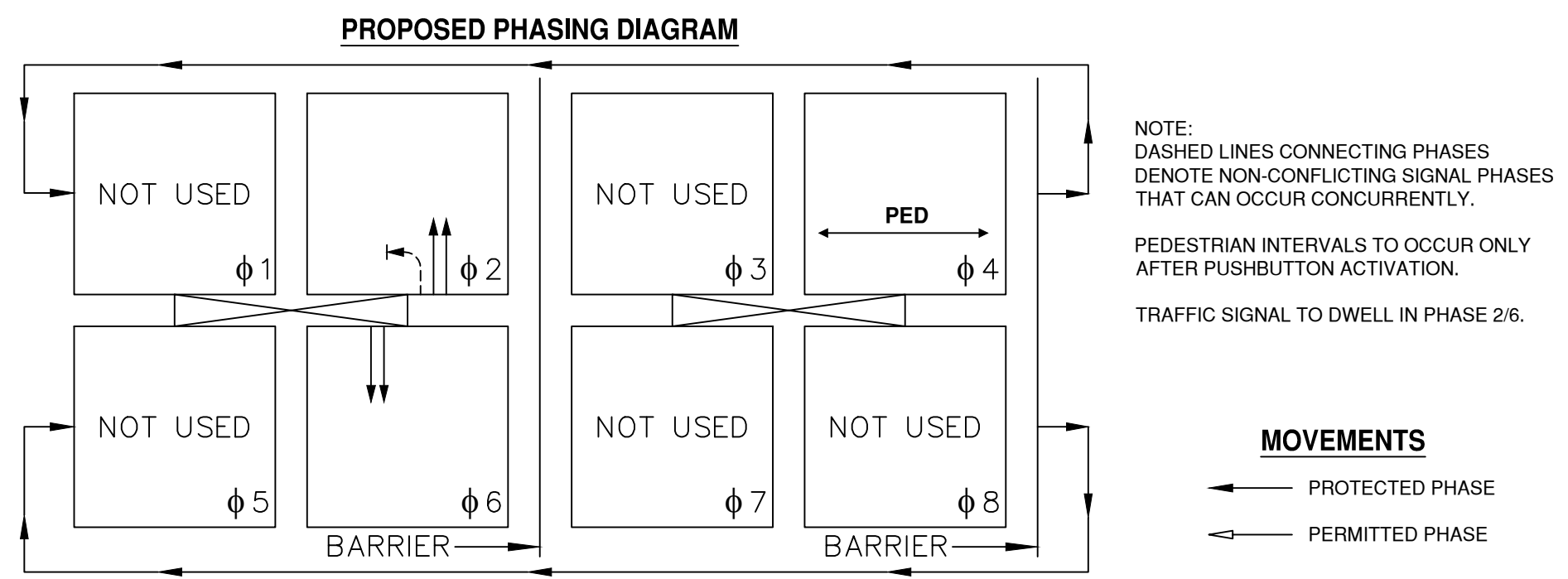


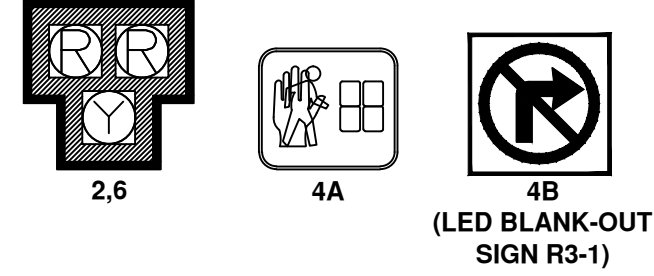
- LEGEND**
- TRAFFIC SIGNAL POLE WITH MAST ARM
 - PEDESTAL POLE
 - TRAFFIC SIGNAL HEAD WITH BACKPLATE
 - PEDESTRIAN PUSH BUTTON WITH DIRECTIONAL SIGN
 - PEDESTRIAN SIGNAL HEAD
 - LED BLANK-OUT SIGN (R3-1)
 - ⊗ SIGNAL PHASE
 - JUNCTION BOX
 - CONTROLLER (POLE MOUNTED)
 - MAST ARM SIGN
 - RIGID GALVANIZED CONDUIT (RGC)
 - △ SIGNAL POLE REFERENCE NUMBER



- CONSTRUCTION & DEMOLITION NOTES**
- 1 INSTALL PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD, PUSH BUTTON, AND SIGNS
 - 2 INSTALL POLE MOUNTED CONTROL CABINET PER "TRAFFIC SIGNAL PEDESTAL WITH CONTROLLER CABINET" DETAIL (SEE SHEET SS508). POWER TO BE DRAWN FROM POLE IN SOUTHWEST QUADRANT
 - 3 INSTALL TRAFFIC SIGNAL POLE WITH 35' MAST ARM
 - 4 INSTALL TRAFFIC SIGNAL POLE WITH 32' MAST ARM

PROPOSED FLASHING BEACON, PEDESTRIAN SIGNALS, ILLUMINATED SIGNS

ALL BEACONS SHALL BE EQUIPPED WITH POLYCARBONATE BACKPLATES. ALL SIGNAL HEAD BULBS SHALL BE LED EXCEPT FOR YELLOW BULB, WHICH SHALL BE INCANDESCENT. INSTALL 2" WIDE YELLOW REFLECTIVE TAPE AROUND PERIMETER OF BACKPLATE. PEDESTRIAN SIGNALS SHALL BE LED. AN APS SPEAKER SHALL BE MOUNTED ON THE TOP OF EACH PEDESTRIAN SIGNAL HEAD PROVIDING AN AUDIBLE SPEECH MESSAGE DURING THE WALK INTERVAL.



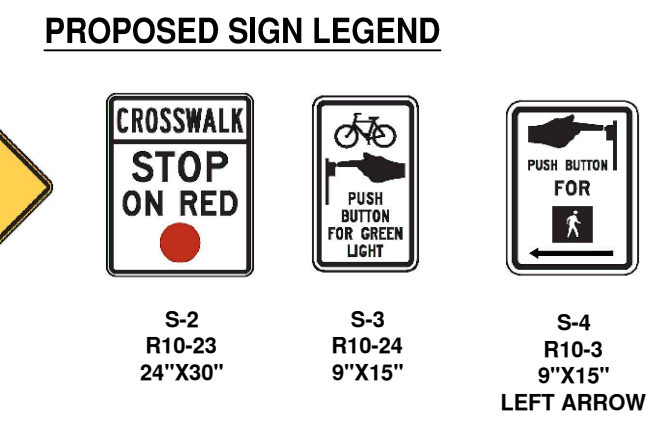
GENERAL NOTES

EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

THE CONTRACTOR SHALL NOTIFY WESTAR ENERGY TO COORDINATE ENCLOSURE SERVICE CONNECTION, METER INSTALLATION, AND ALL OTHER ACTIVITIES TO COMPLETE THE TRAFFIC SIGNAL INSTALLATION. FEES ASSOCIATED WITH THIS WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT AND MATERIALS NECESSARY FOR COMPLETE OPERATION OF EACH TRAFFIC SIGNAL SYSTEM WHETHER SPECIFICALLY MENTIONED OR NOT.

- EQUIPMENT SPECIFICATIONS 2070 CONTROLLER**
- A. CONTROLLER UNIT: 2070L CONTROLLER
- A.1. THE 2070L CONTROLLER SHALL HAVE A 19" EIA RACK MOUNTABLE CHASSIS (MATED TO THE 170 CABINET).
- A.2. 2070-1B CPU MODULE WITH RJ-45 ETHERNET PORT.
- A.3. 2070-2A CI FIELD I/O MODULE FOR COMPATIBILITY WITH CALTRANS STYLE CI CONNECTOR.
- A.4. 2070-3B 8X40 FRONT PANEL WITH LCD DISPLAY.
- A.5. 2070-4A 10 AMP POWER SUPPLY.
- A.6. 2070-7A ASYNCHRONOUS SERIAL COMMUNICATIONS MODULE (RS-232).
- A.7. ANY UNUSED SLOT POSITION SHALL HAVE A COVER PLATE.
- B. CONFLICT MONITOR: THE CONFLICT MONITOR SUPPLIED SHALL BE 2010 ECL CONFLICT MONITOR.



CLEARANCE CHART

VEHICLES	PEDESTRIANS
BLANK	DW
FLASHING YELLOW	DW
STEADY YELLOW	DW
STEADY RED	DW
STEADY RED	W
STEADY RED	FDW
FLASHING RED	FDW

INITIAL TIMING CHART

FUNCTION	PHASE							
	1	2	3	4	5	6	7	8
PHASE ON		X		X		X		X
PHASE OFF	X		X		X		X	X

INITIAL TIMING CHART

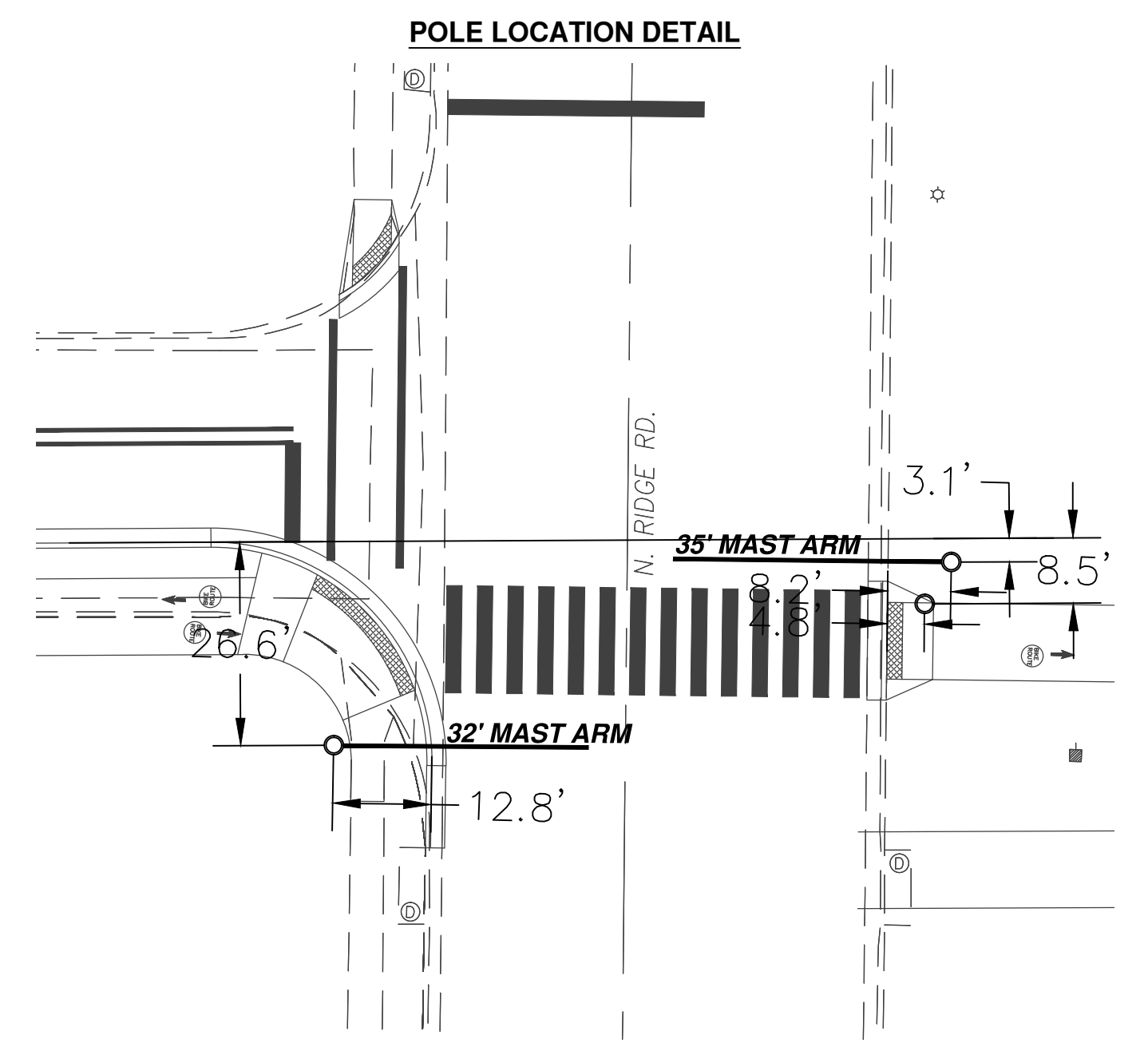
FUNCTION	1	2	3	4	5	6	7	8
FLASHING YELLOW	NOT USED	7.0	NOT USED	NOT USED	7.0	NOT USED	NOT USED	NOT USED
STEADY YELLOW		4.0			4.0			
ALL RED		2.0			2.0			
MAX STEADY RED		21.0			21.0			
FLASHING RED		4.0			4.0			
PED WALK				7.0				
PED CLEARANCE				18.0				
MODE	NON-LOCK		NON-LOCK		NON-LOCK			

PHASE TIMING REFLECTS INITIAL OPERATION

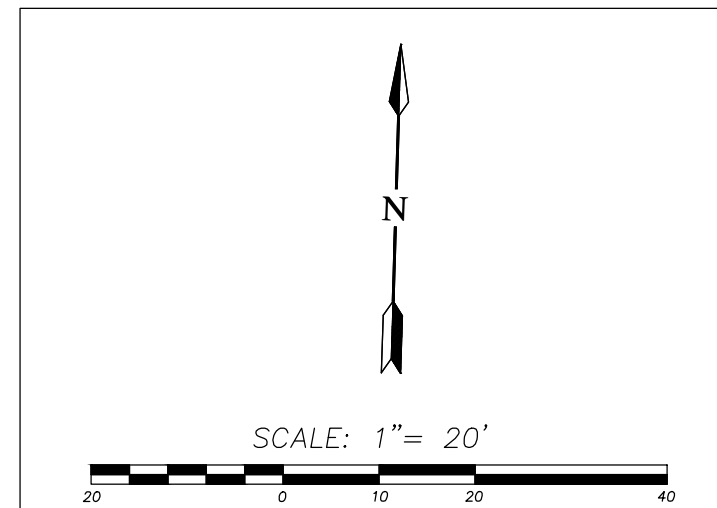
COLOR SEQUENCE CHART

PHASE	2	4	6	FLASH
SIGNAL	R/W	R/W	R/W	FLASH
2	BLANK		BLANK	BLANK
4A		WALK		BLANK
4B	BLANK		BLANK	BLANK
6	BLANK		BLANK	BLANK

NOTE: WALK INDICATION DISPLAYED AFTER PEDESTRIAN CALL IS SERVICED; OTHERWISE "DON'T WALK" INDICATION IS DISPLAYED. SIGNAL IS DARK UNTIL PEDESTRIAN CALLS FOR THE SIGNAL. LED SIGN IS BLANK UNTIL PEDESTRIAN CALLS FOR THE SIGNAL.



W WESTPORT ST AND N RIDGE AVE CROSSING



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WOODCHUCK BICYCLE BOULEVARD

DATE: 11/11/2014 DESIGNED BY: PW DRAWN BY: JH CHECKED BY: PW

REVISED

PROJECT NUMBER
87 TE-0617-01

FINAL PLANS

SHEET NUMBER:
SS502