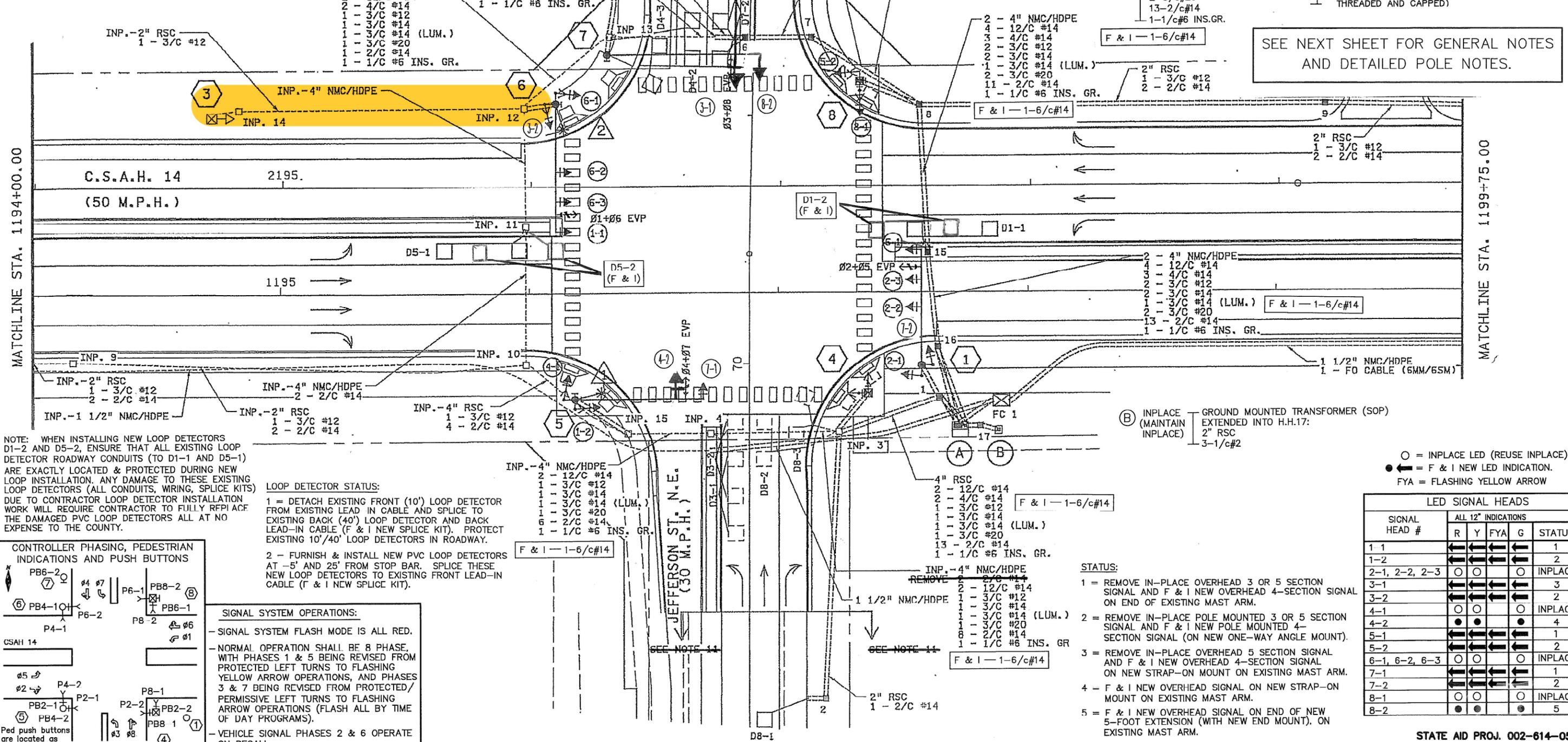


PVC LOOP DETECTORS				
NUMBER	SIZE (FT.)	LOCATION	FUNCTION	STATUS
D1-1	2-6x6	10' & 40'	1	1
D1-2	2-6x6	-5' & 25'	1	2
D2-1, D2-2	6x6	400'	1	INPLACE
D3-1	2-6x6	15' & 45'	1	INPLACE
D3-2	2-6x6	0' & 30'	1	INPLACE
D4-1	6x6	250'	3	INPLACE
D4-2, D8-2	2-6x6	0' & 15'	1	INPLACE
D4-3, D8-3	2-6x6	-10' & 5'	7	INPLACE
D5-1	2-6x6	10' & 40'	1	1
D5-2	2-6x6	-5' & 25'	1	2
D6-1, D6-2	6x6	400'	1	INPLACE
D7-1	2-6x6	15' & 45'	1	INPLACE
D7-2	2-6x6	0' & 30'	1	INPLACE
D8-1	6x6	120'	3	INPLACE

**LOOP DETECTORS FUNCTIONS:**

- 1) CALL AND EXTEND
- 3) EXTEND ONLY
- 7) DELAYED CALL, IMMEDIATE EXTEND

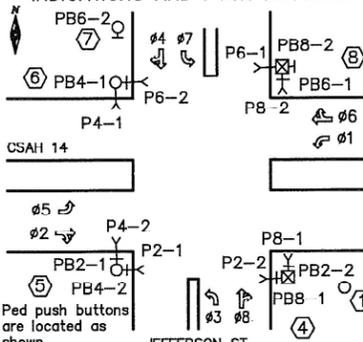
LOCATION = DISTANCE FROM STOP BAR TO FRONT OF DETECTOR



NOTE: WHEN INSTALLING NEW LOOP DETECTORS D1-2 AND D5-2, ENSURE THAT ALL EXISTING LOOP DETECTOR ROADWAY CONDUITS (TO D1-1 AND D5-1) ARE EXACTLY LOCATED & PROTECTED DURING NEW LOOP INSTALLATION. ANY DAMAGE TO THESE EXISTING LOOP DETECTORS (ALL CONDUITS, WIRING, SPLICE KITS) DUE TO CONTRACTOR LOOP DETECTOR INSTALLATION WORK WILL REQUIRE CONTRACTOR TO FULLY REPAIR THE DAMAGED PVC LOOP DETECTORS ALL AT NO EXPENSE TO THE COUNTY.

- LOOP DETECTOR STATUS:**
- 1 = DETACH EXISTING FRONT (10') LOOP DETECTOR FROM EXISTING LEAD IN CABLE AND SPLICE TO EXISTING BACK (40') LOOP DETECTOR AND BACK LEAD-IN CABLE (F & I NEW SPLICE KIT). PROTECT EXISTING 10'/40' LOOP DETECTORS IN ROADWAY.
  - 2 = FURNISH & INSTALL NEW PVC LOOP DETECTORS AT -5' AND 25' FROM STOP BAR. SPLICE THESE NEW LOOP DETECTORS TO EXISTING FRONT LEAD-IN CABLE (F & I NEW SPLICE KIT).

**CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS**



**SIGNAL SYSTEM OPERATIONS:**

- SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION SHALL BE 8 PHASE, WITH PHASES 1 & 5 BEING REVISED FROM PROTECTED LEFT TURNS TO FLASHING YELLOW ARROW OPERATIONS, AND PHASES 3 & 7 BEING REVISED FROM PROTECTED/PERMISSIVE LEFT TURNS TO FLASHING ARROW OPERATIONS (FLASH ALL BY TIME OF DAY PROGRAMS).
- VEHICLE SIGNAL PHASES 2 & 6 OPERATE ON RECALL.

DRAWN BY:	JMG
DESIGNER:	JMG
CHECKED BY:	JMG
DESIGN TEAM	

NO.	BY	DATE	REVISIONS

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

*John M. Gray*  
Name: John M. Gray, PE  
Lic. No. 22457  
Date: August 21, 2020

SEH  
PHONE: (651) 490-2000  
3535 VADNAIS CENTER DR.  
ST. PAUL, MN 55110

**ANOKA COUNTY**  
CITY OF BLAINE

**REVISE SIGNAL SYSTEM 'B'**  
INTERSECTION LAYOUT  
CSAH 14 (125TH AVE) AT JEFFERSON STREET NE

FILE NO. ANOKC 153781  
12  
55



SEE NEXT SHEET FOR GENERAL NOTES AND DETAILED POLE NOTES.

- = INPLACE LED (REUSE INPLACE).
- ← = F & I NEW LED INDICATION.
- FYA = FLASHING YELLOW ARROW

SIGNAL HEAD #	ALL 12" INDICATIONS				STATUS
	R	Y	FYA	G	
1-1	←	←	←	←	1
1-2	←	←	←	←	2
2-1, 2-2, 2-3	○	○	○	○	INPLACE
3-1	←	←	←	←	3
3-2	←	←	←	←	2
4-1	○	○	○	○	INPLACE
4-2	●	●	●	●	4
5-1	←	←	←	←	1
5-2	←	←	←	←	2
6-1, 6-2, 6-3	○	○	○	○	INPLACE
7-1	←	←	←	←	1
7-2	←	←	←	←	2
8-1	○	○	○	○	INPLACE
8-2	●	●	●	●	5

STATE AID PROJ. 002-614-050