

PLOTTED/REVISED: 4/14/2014

LOOP DETECTOR CHART

NUMBER	SIZE (FT)	LOCATION
D2-1, D2-2	6x6	235
D2-3, D2-4	6x6	13 & 4
D4-1, D4-2	6x6	120
D4-3, D4-5	6x6	13 & 4
D4-4, D4-6	6x6	13 & 4
D5-1, D5-2	6x6	13 & 4
D6-1, D6-2	6x6	180
D6-3, D6-5	6x6	13 & 4
D6-4, D6-6	6x6	13 & 4

-ALL LOOP DETECTORS ARE PVC
-LOCATION: DISTANCE FROM CROSSWALK/STOP BAR IN FEET
-LOOPS D2-3, D2-4, D6-3, D6-4, D6-5 AND D6-6 ARE ABANDONED INPLACE

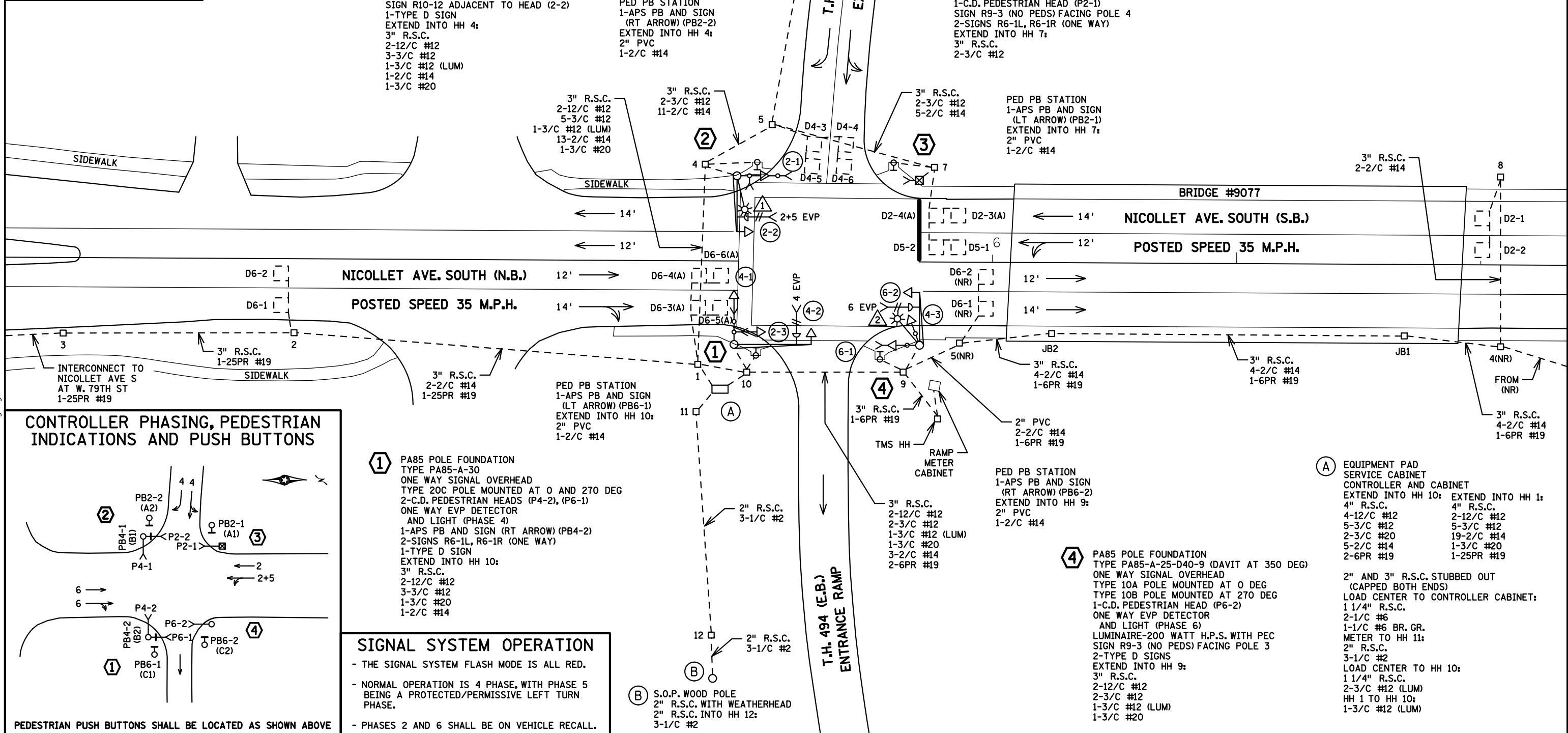
SIGNAL HEAD PHASING

HEADS 2-2 & 2-3

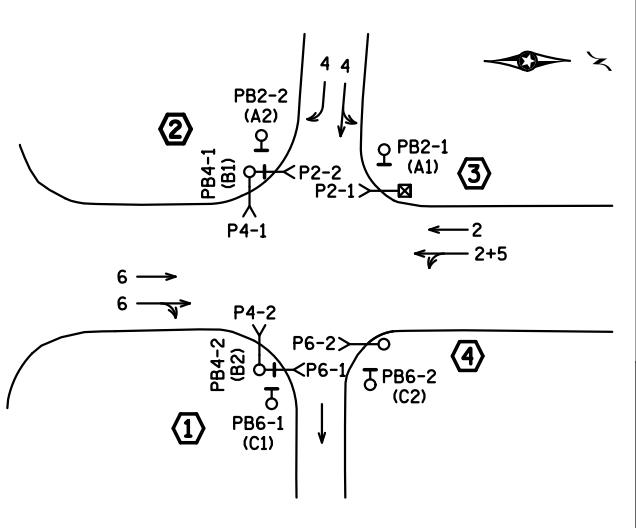
SIGNAL HEAD CHART

FACE	R	Y	G	Y	G
2-1	○	○	○		
2-2, 2-3	○	○	○	◀	◀
4-1, 4-2, 4-3, 4-4	○	○	○		
6-1, 6-2	○	○	○		

-ALL SIGNAL INDICATIONS ARE 12" LED
-ALL SIGNAL HEADS HAVE A BACKGROUND SHIELD



CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS



1 PA85 POLE FOUNDATION
TYPE PA85-A-30
ONE WAY SIGNAL OVERHEAD
TYPE 20C POLE MOUNTED AT 0 AND 270 DEG
2-C.D. PEDESTRIAN HEADS (P4-2), (P6-1)
ONE WAY EVP DETECTOR
AND LIGHT (PHASE 4)
1-APS PB AND SIGN (RT ARROW) (PB4-2)
2-SIGNS R6-1L, R6-1R (ONE WAY)
1-TYPE D SIGN
EXTEND INTO HH 10:
3" R.S.C.
2-12/C #12
3-3/C #12
1-3/C #20
1-2/C #14

SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 4 PHASE, WITH PHASE 5 BEING A PROTECTED/PERMISSIVE LEFT TURN PHASE.
- PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.

PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED AS SHOWN ABOVE

BY	DATE	REVISIONS
MAS	01-26-12	AS-BUILT - CORRECTED MAINLINE PHASING.
GDS	04-14-14	AS-BUILT OF SP 2785-367 (APS ADDED)

SYSTEM ID: 21685 T.E. 5582
METER ADDRESS: 7801 NICOLLET AVE S
MASTER ID: T.E.

**INTERSECTION LAYOUT
TRAFFIC CONTROL SIGNAL SYSTEM
T.H. 494 S. RAMPS AT C.S.A.H. 52 (NICOLLET
AVE. S.) IN BLOOMINGTON, HENNEPIN COUNTY**

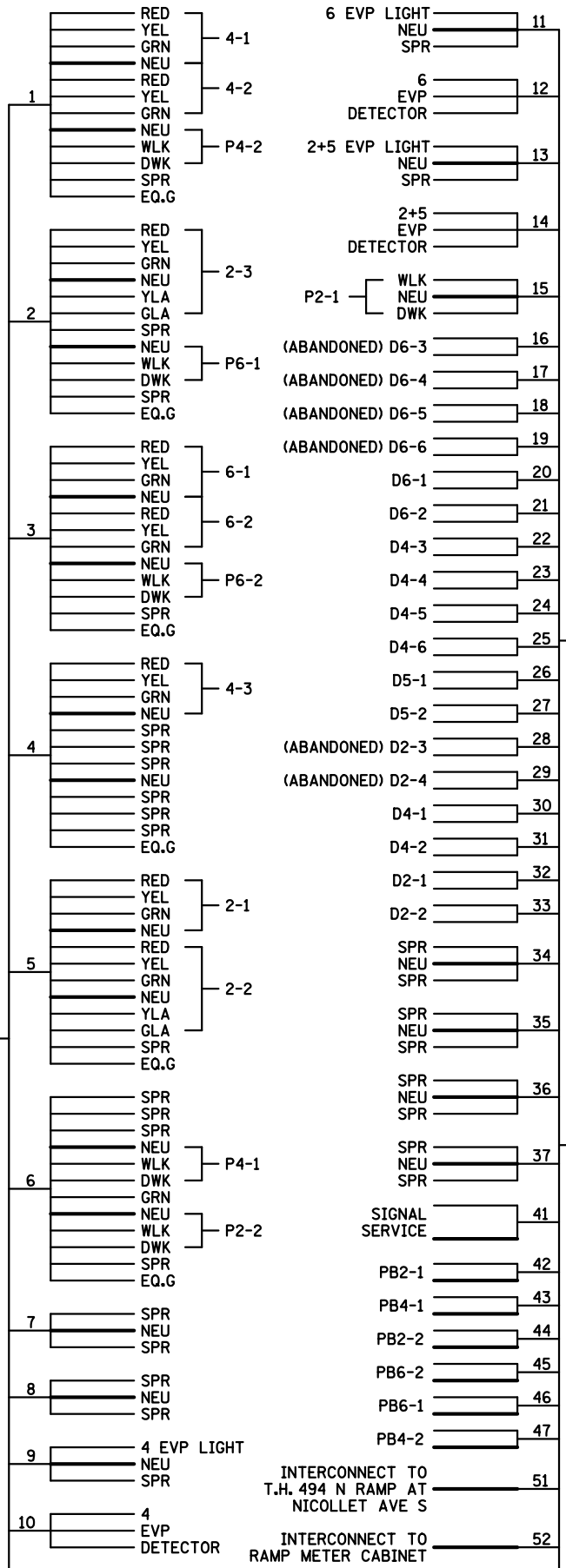
S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
CERTIFIED BY _____	LIC. NO. _____		DATE: _____
STATE PROJ. NO.	(T.H. 494)	SHEET NO. 1 OF 2 SHEETS	

DISTRICT #: METRO
IPLOT NAME: layout
PATH & FILENAME: IP_PWP-dot0782242NT21685LW_sgl.dgn

PLOTTED/REVISED: 4/14/2014

DISTRICT #: METRO
IPLOT NAME: wiring
PATH & FILENAME: IP_PWP-d0782242\T21685LW_sgl.dgn

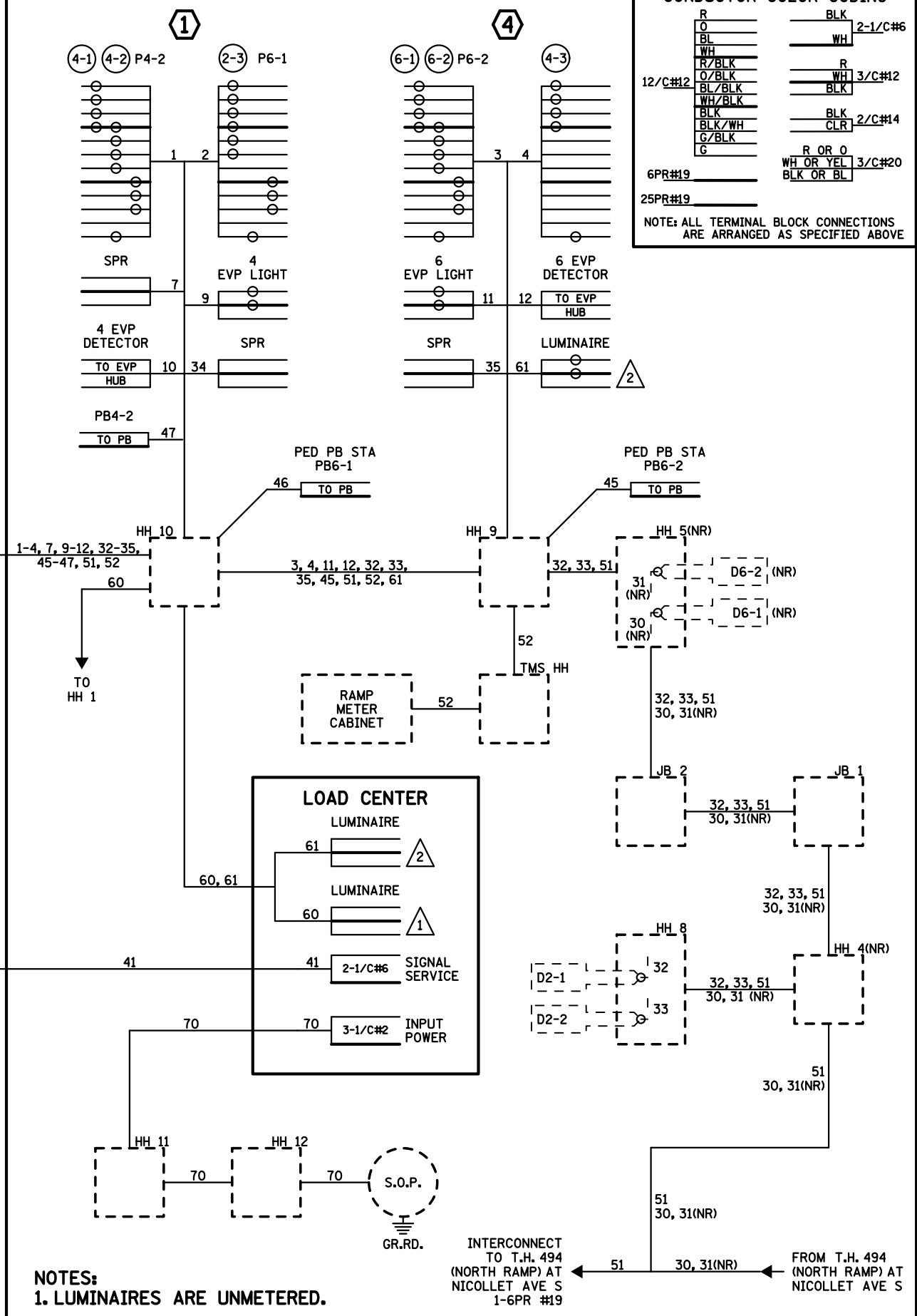
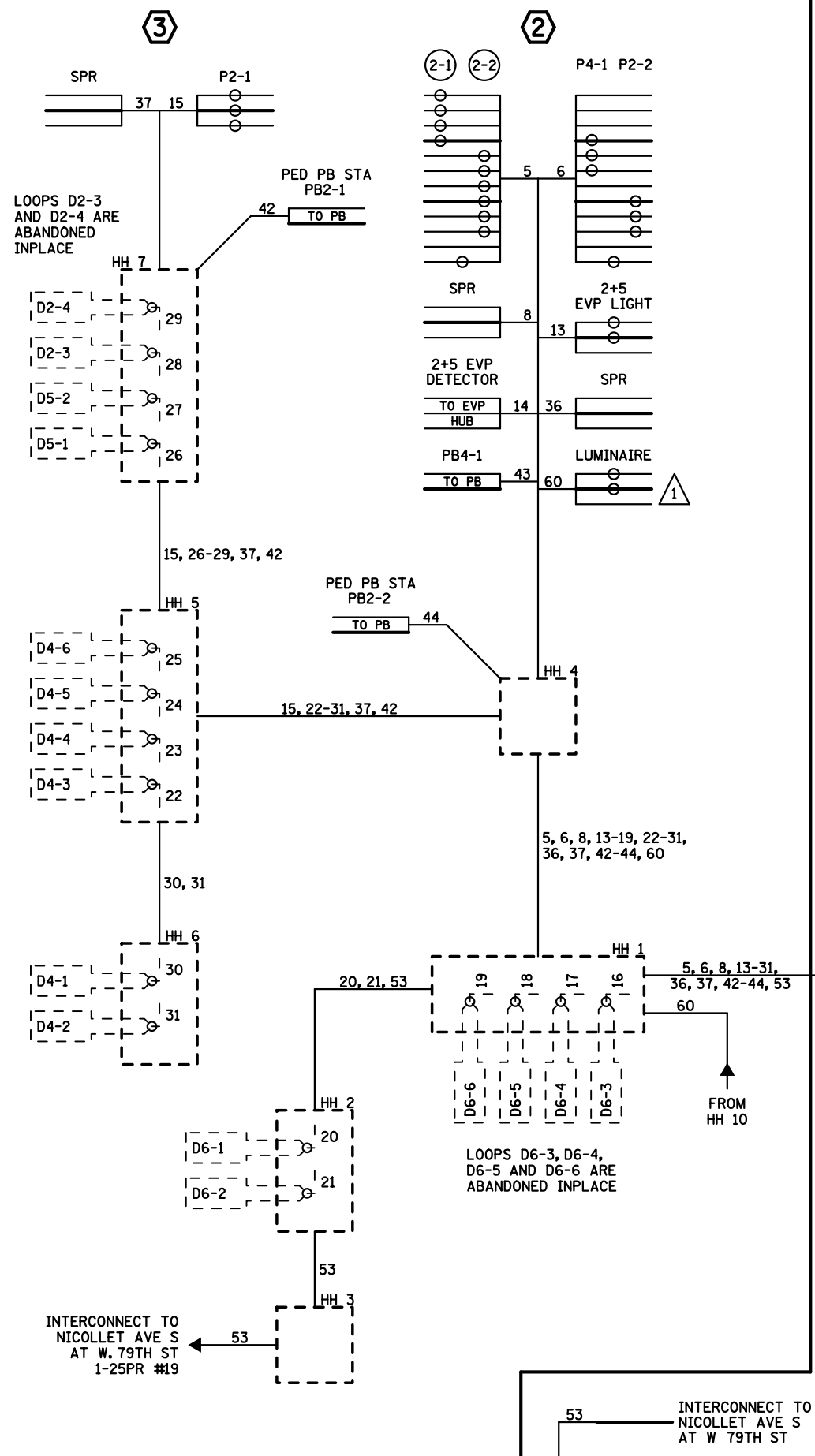
CONTROLLER CABINET



R	BLK	2-1/C#6
0	WH	
BL	WH	
WH	R	3/C#12
R/BLK	WH	
0/BLK	BLK	
BL/BLK	BLK	
WH/BLK	BLK	
BLK	BLK	2/C#14
BLK/WH	CLR	
G/BLK	R OR O	3/C#20
G	WH OR YEL	
	BLK OR BL	

6PR#19
25PR#19

NOTE: ALL TERMINAL BLOCK CONNECTIONS ARE ARRANGED AS SPECIFIED ABOVE



BY	DATE	REVISIONS
MAS	01-26-12	AS-BUILT - CORRECTED MAINLINE PHASING.
GDS	04-14-14	AS-BUILT OF SP 2785-367 (APS ADDED)

SYSTEM ID: 21685 T.E. 5582
 METER ADDRESS: 7801 NICOLLET AVE S
 MASTER ID: T.E.

FIELD WIRING DIAGRAM
TRAFFIC CONTROL SIGNAL SYSTEM
T.H. 494 S. RAMPS AT C.S.A.H. 52 (NICOLLET AVE. S.) IN BLOOMINGTON, HENNEPIN COUNTY

S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
CERTIFIED BY:	LICENSED PROFESSIONAL ENGINEER		LIC. NO. DATE:
STATE PROJ. NO.	(T.H. 494)		SHEET NO. 2 OF 2 SHEETS