

PVC LOOP DETECTOR CHART

NUMBER	SIZE	LOCATION
D1-1	2-6X6	10&40
D1-2	2-6X6	10&40
D2-1, D2-2, D2-3	6X6	301
D4-1, D4-2, D4-3	6X6	250
D4-4	2-6X15	3&16&20
D4-5, D4-6	2-6X6	3&16&20
D6-1, D6-2, D6-3	6X6	420
D6-4	MICROWAVE	365

-ALL LOOP DETECTORS ARE 6' X 6' PVC UNLESS OTHERWISE SPECIFIED
 -LOCATION: DISTANCE FROM CROSSWALK/STOP LINE IN FEET

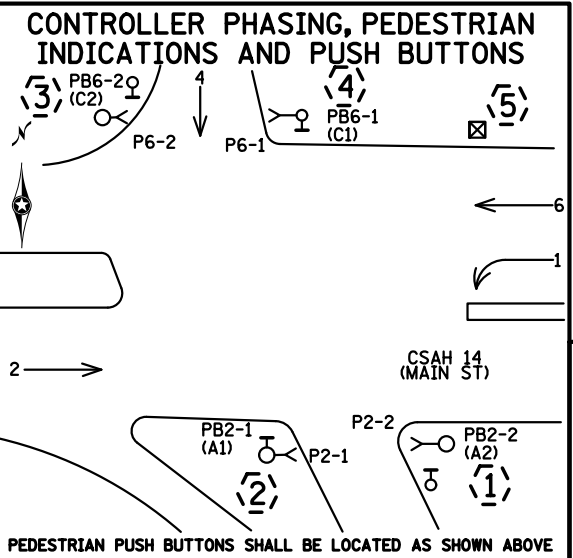
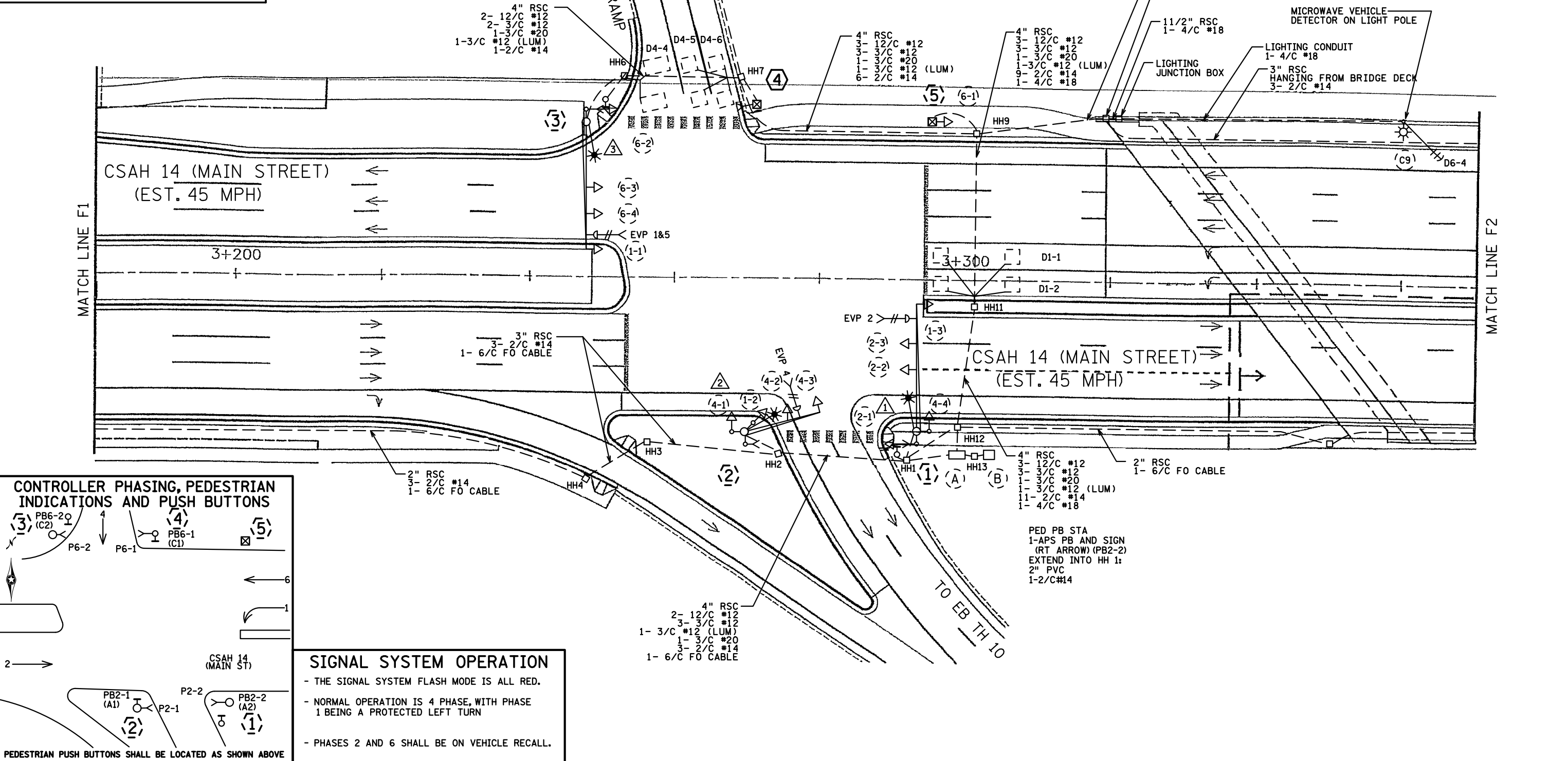
SIGNAL HEAD CHART

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

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

PLOTTED/REVISED: 7/2/2014

DISTRICT #: METRO
 IPLOT NAME: layout
 PATH & FILENAME: IP_PWP-d0780173\T20214\MLWR_sgl.dgn



SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 4 PHASE, WITH PHASE 1 BEING A PROTECTED LEFT TURN
- PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.

BY: EJA	DATE: 07-02-20	REVISIONS: AS-BUILT OF SP 0202-94 APS	SYSTEM ID: 20214	T.E. 5783	INTERSECTION LAYOUT TH 10/47 AT CSAH 14 (MAIN STREET) WEST RAMP IN COON RAPIDS, ANOKA COUNTY	S.A.P. NO.	DRAWN BY: DMC	CKD BY: EJA	DATE: 03-07-13
			MASTER ID:	T.E.		CERTIFIED BY: <i>Michael P. Gubinsky</i>	LIC. NO. 19863	DATE: 03-26-13	
						STATE PROJ. NO. (T.H.10)	SHEET NO. 1 OF 3 SHEETS		

PLOTTED/REVISED: 7/2/2014

1

TYPE PA100 POLE FOUNDATION
 TYPE PA100-A-55-X30
 LUMINAIRE AT 350 DEG WITH PEC AND CHECK SWITCH
 3-ONE WAY SIGNALS OVERHEAD AT 0, 17, AND 29'
 FROM THE END OF MASTARM
 ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT
 6' FROM END OF MASTARM (PHASE 2)
 1-TYPE 10A POLE MOUNTED AT 90 DEG
 1-TYPE 10B POLE MOUNTED AT 180 DEG
 1- C.D. PED HEAD
 1-R9-3 SIGN (FACING POLE 5)
 EXTEND INTO HH 1:
 3" RSC
 2-12/C*12
 2-3/C*12
 1-3/C*20
 1-3/C*12 (LUM)
 1- 2/C *14

4

PEDESTAL FOUNDATION
 10' PEDESTAL POLE PLUS BASE
 1-TYPE 4A
 1- C.D. PED HEAD (P6-1)
 1- APS PB AND SIGN (LT ARROW) (PB6-1)
 EXTEND INTO HH 7:
 3" PVC
 1-12/C*12
 1-3/C*12

5

PEDESTAL FOUNDATION
 10' PEDESTAL POLE PLUS BASE
 1-TYPE 5A
 1-R9-3 SIGN (FACING POLE 1)
 EXTEND INTO HH 9:
 2" RSC
 2-12/C*12

A

CABINET FOUNDATION
 STUBBED OUT 3' RSC TO THE WEST
 EXTEND INTO HH13:
 METERED SERVICE SERVICE
 1 1/2" RSC
 3-1/C*6
 EXTEND INTO HH 12:
 4" RSC
 3-12/C*12
 3-3/C*12
 1-3/C*20
 11-2/C*14
 1-6/C FO CABLE
 1-4/C*18

B

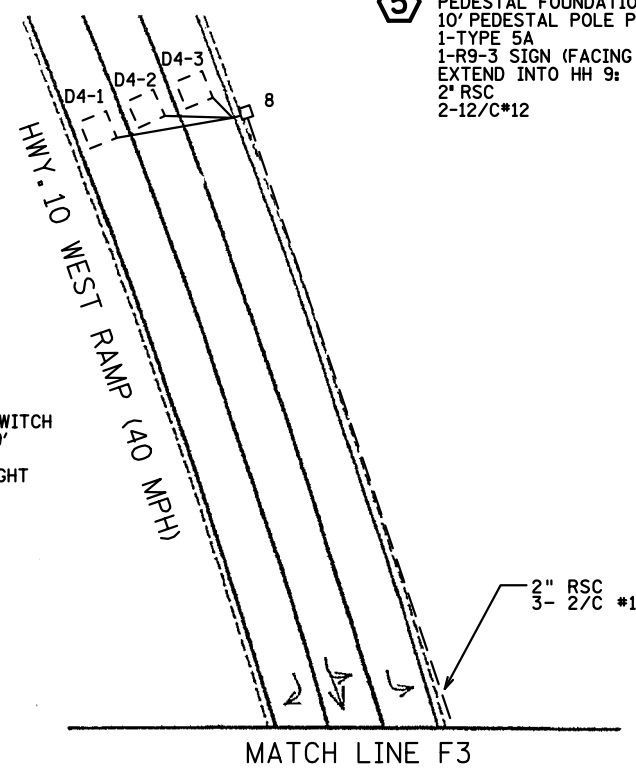
SERVICE CABINET
 CABINET FOUNDATION
 EXTEND INTO HH 13:
 METERED SIGNAL SERVICE
 1 1/2" RSC
 3-1/C*6
 EXTEND INTO HH 12:
 UNMETERED STREET LIGHT SERVICE
 1 1/2" RSC
 3-3/C*12 (LUM)
 UNMETERED ILLUMINATED SIGN SERVICE
 1-3/C*12
 STUBBED OUT 1 1/2" RSC TO THE SOUTH

2

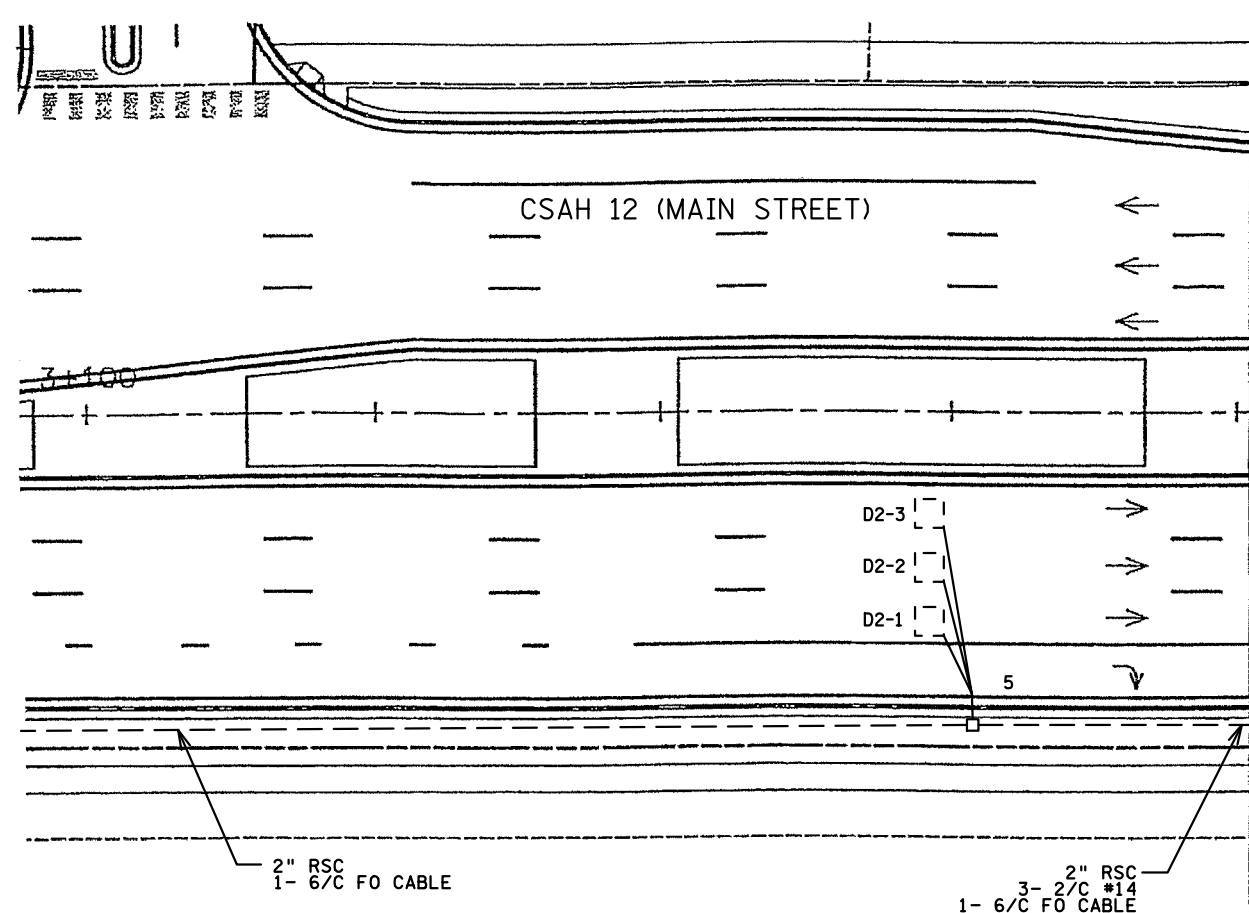
TYPE PA90 POLE FOUNDATION
 TYPE PA90-A-30-X30
 LUMINAIRE AT 350 DEG WITH PEC AND CHECK SWITCH
 2-ONE WAY SIGNALS OVERHEAD AT 0 AND 11'
 FROM THE END OF MASTARM
 ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT
 6' FROM END OF MASTARM (PHASE 4)
 1-TYPE 30A POLE MOUNTED AT 90 DEG
 1-TYPE 10A POLE MOUNTED AT 180 DEG
 1-TYPE 10A POLE MOUNTED AT 270 DEG
 1- C.D. PED HEAD (P2-1)
 1- APS PB AND SIGN (LT ARROW) (PB2-1)
 1-R9-3 SIGN (FACING POLE 3)
 EXTEND INTO HH 2:
 3" RSC
 2-12/C*12
 3-3/C*12
 1-3/C*20
 1-3/C*12 (LUM)

3

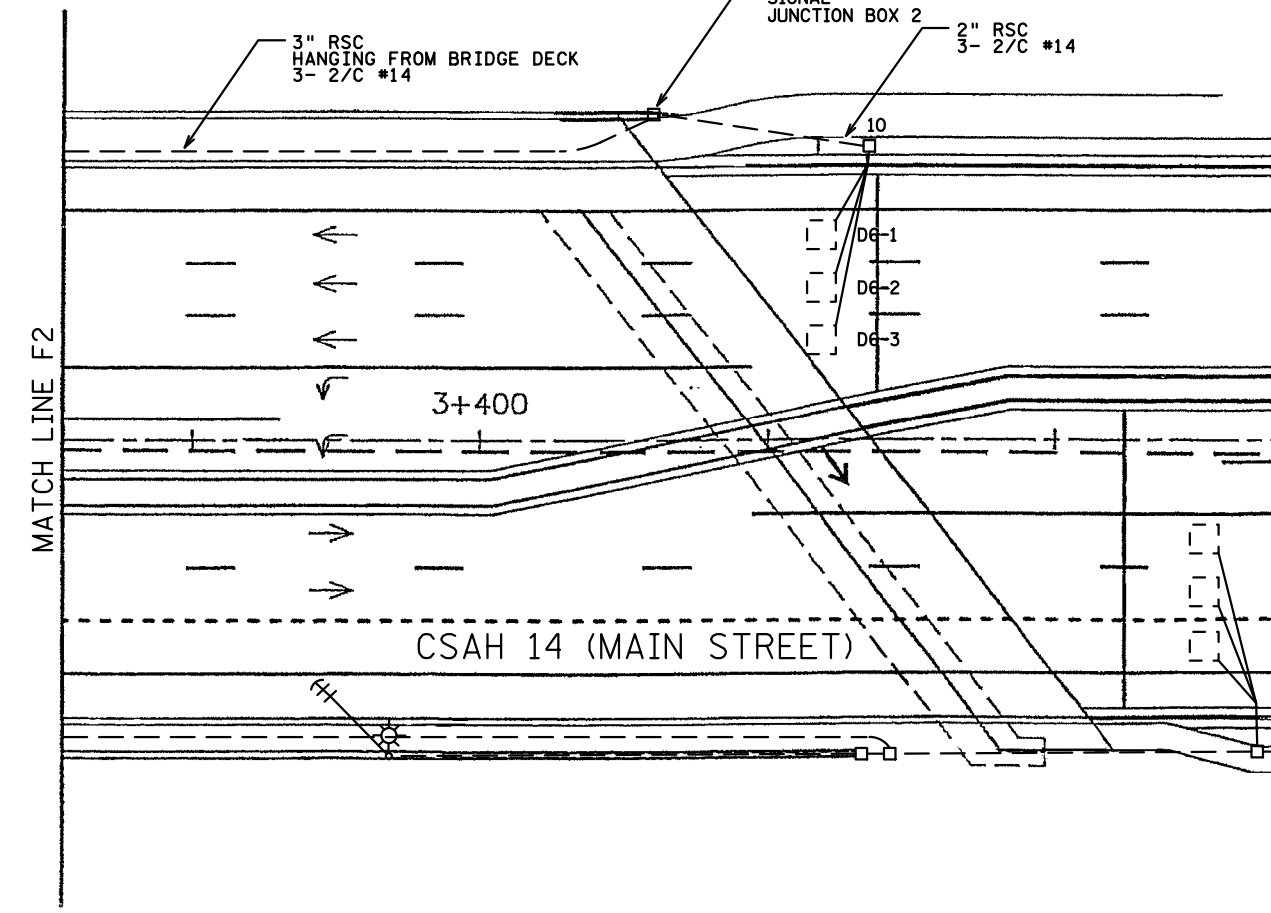
TYPE PA100 POLE FOUNDATION
 TYPE PA100-A-55-X30
 LUMINAIRE AT 350 DEG WITH PEC AND CHECK SWITCH
 3-ONE WAY SIGNALS OVERHEAD AT 0, 17, AND 29'
 FROM THE END OF MASTARM
 ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT
 6' FROM END OF MASTARM (PHASE 1&6)
 1-TYPE 10B POLE MOUNTED AT 180 DEG
 1- C.D. PED HEAD (P6-2)
 1-R9-3 SIGN (FACING POLE 2)
 EXTEND INTO HH 6:
 3" RSC
 2-12/C*12
 2-3/C*12
 1-3/C*20
 1-3/C*12 (LUM)
 1- 2/C *14



MATCH LINE F3



MATCH LINE F1



MATCH LINE F2

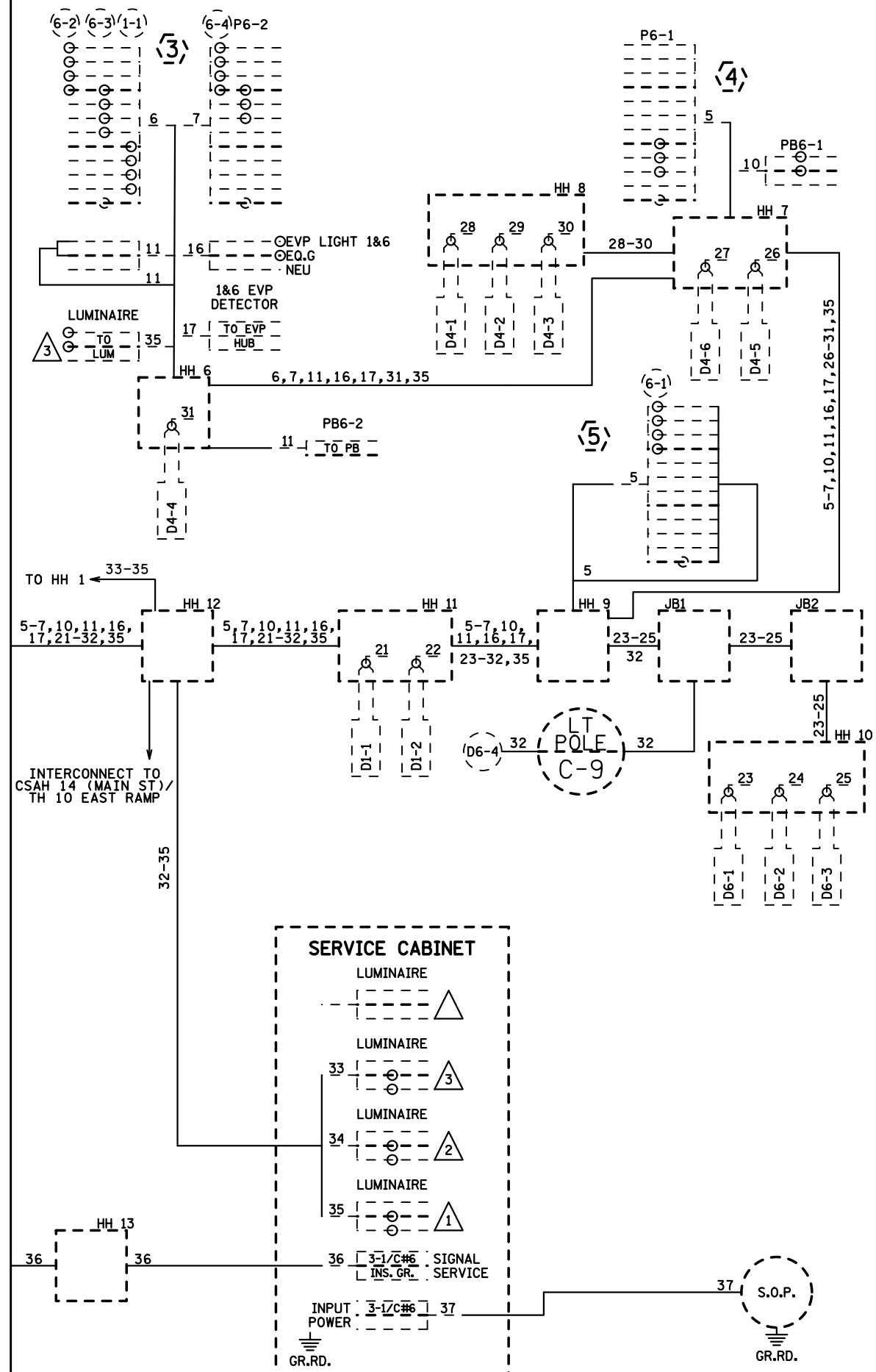
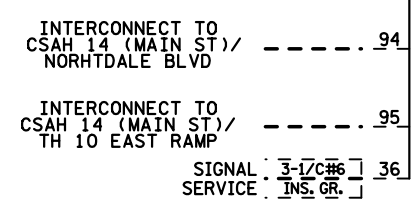
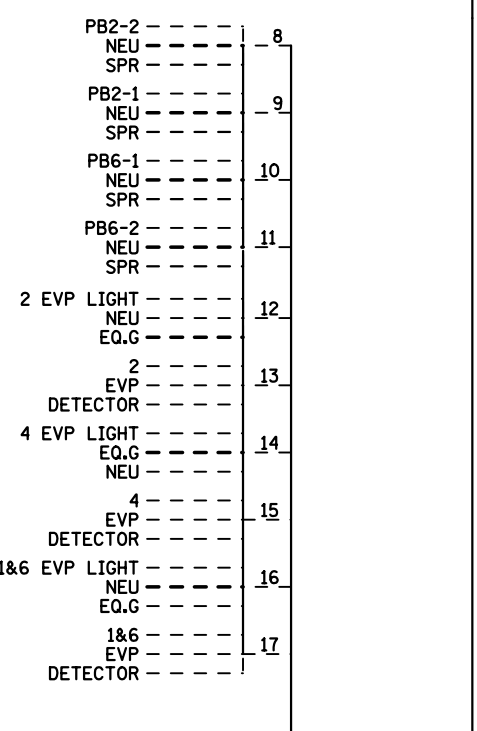
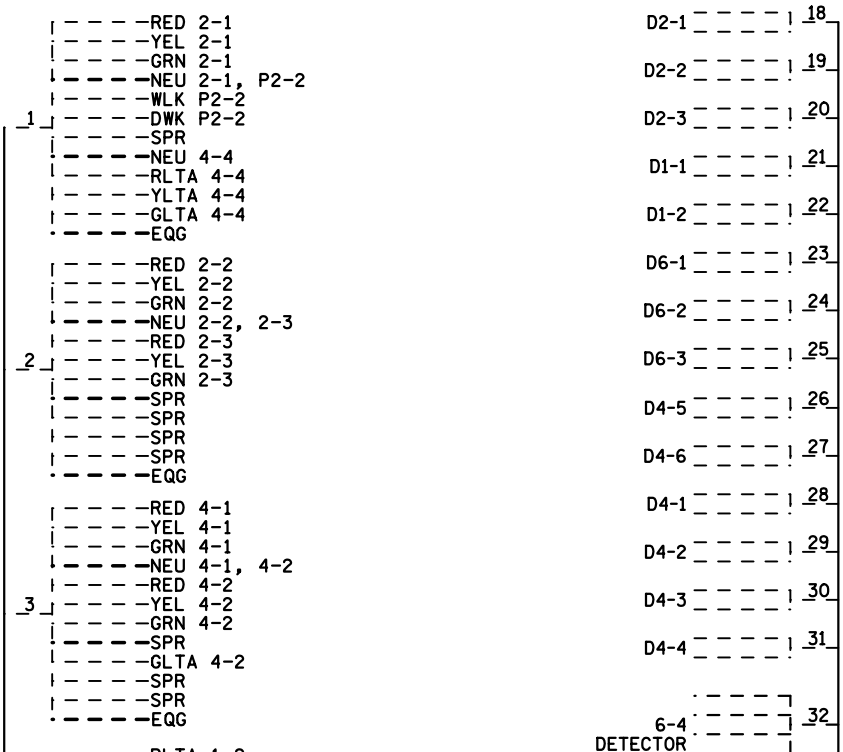
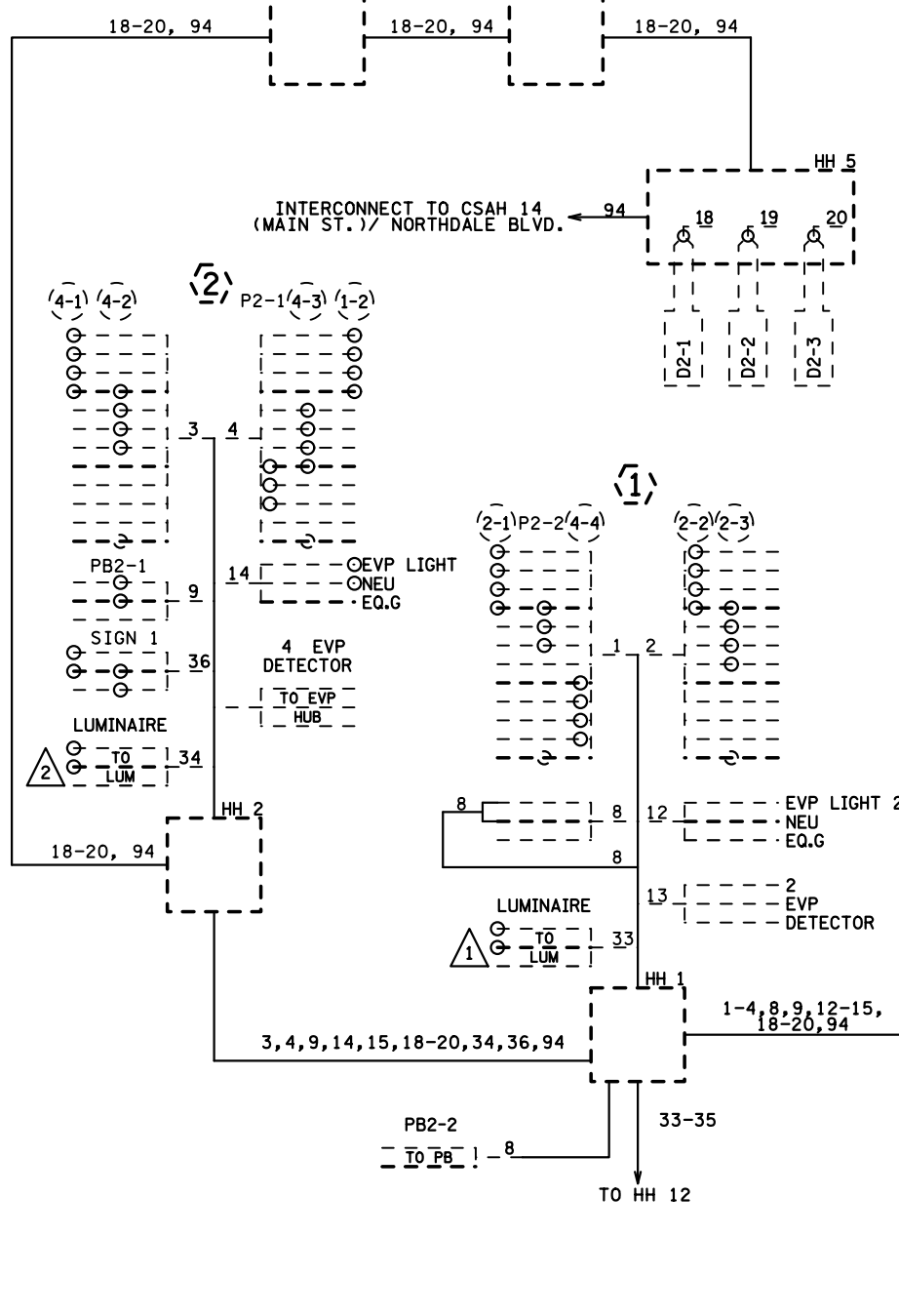


DISTRICT #: METRO
IPLOT NAME: match lines
PATH & FILENAME: IP_PWP-d0780173\T20214\MLWR_sgl.dgn

BY: EJA	DATE: 07-02-14	REVISIONS: AS-BUILT OF SP 0202-94 APS	SYSTEM ID: 20214	T.E. 5783	MATCH LINES POLE NOTES TH 10/47 AT CSAH 14 (MAIN STREET) WEST RAMP IN COON RAPIDS, ANOKA COUNTY	S.A.P. NO.	DRAWN BY: DMC	CKD BY: EJA	DATE: 03-07-13
			METER ADDRESS: MAIN STREET/TH 10 WEST R			CERTIFIED BY: <i>Michael P. Gubinsky</i>	LIC. NO. 19863	DATE: 03-26-13	
			MASTER ID:	T.E.		STATE PROJ. NO. (T.H.10)	SHEET NO. 2 OF 3 SHEETS		

CONTROLLER CABINET

PLOTTED/REVISED: 7/2/2014



DISTRICT #: METRO
IPLOT NAME: wiring diagram
PATH & FILENAME: IP_PWP-d0780173V20214MLWR_sgl.dgn