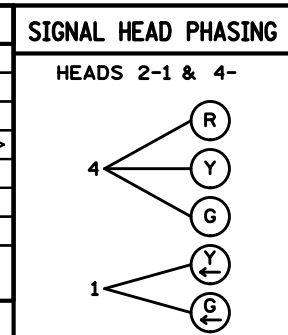


PLOTTED/REVISED: 6/3/2014

DISTRICT #: METRO
IPLOT NAME: layout
PATH & FILENAME: IP_PWP-d0780660T22348R_sgl.dgn

FACE	R	Y	G	Y	G
1-1, 1-2	←	←	←		
2-1, 2-2, 2-3	○	○	○		
4-1, 4-2	○	○	○	→	→
4-3	○	○	○		
4-4, 4-5	○	←	←		
6-1, 6-2, 6-3	○	○	○		

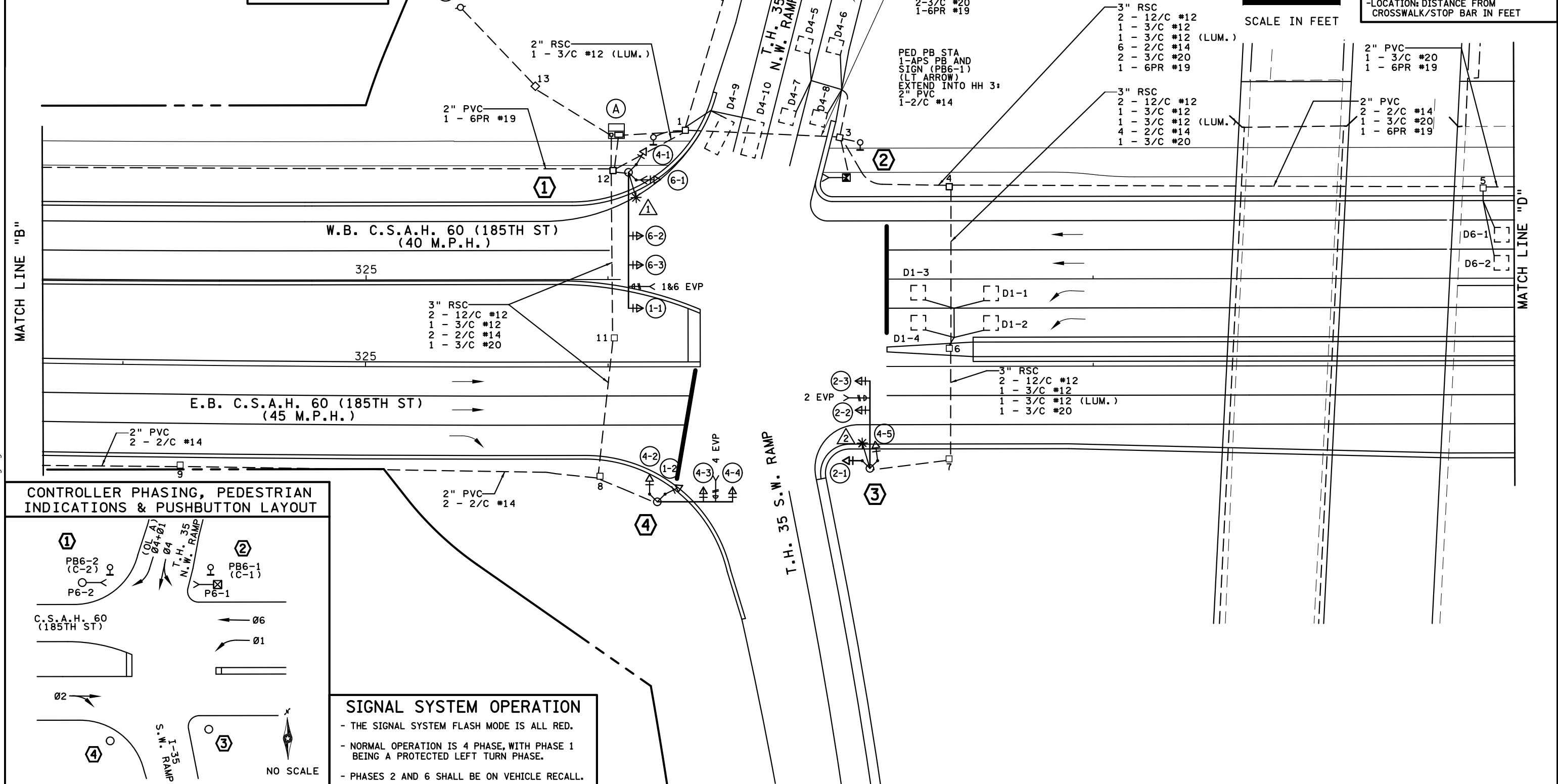
-ALL SIGNAL INDICATIONS ARE 12" LED
-ALL SIGNAL HEADS HAVE BACKGROUND SHIELDS



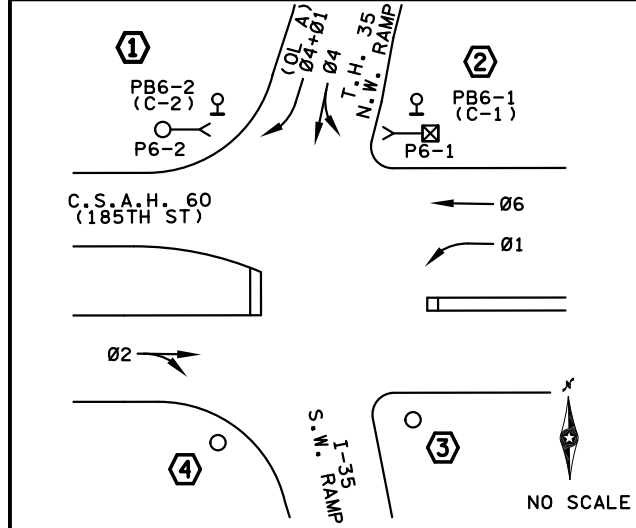
LOOP DETECTOR CHART

NUMBER	SIZE (FT)	LOCATION
D1-1, D1-2	6x6	40
D1-3, D1-4	6x6	10
D4-1, D4-2	6x6	300
D4-3, D4-4	6x6	120
D4-5, D4-6	6x6	120
D4-7, D4-8	6x15	10
D4-9, D4-10	6x6	-3
D6-1, D6-2	6x6	250

-ALL LOOP DETECTORS ARE PVC
-LOCATION: DISTANCE FROM CROSSWALK/STOP BAR IN FEET



CONTROLLER PHASING, PEDESTRIAN INDICATIONS & PUSHBUTTON LAYOUT



SIGNAL SYSTEM OPERATION

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

BY	DATE	REVISIONS
GDS	06-03-14	AS BUILT OF SP 7080-51 (APS & CD PEDS)

SYSTEM ID: 22348 T.E.
METER ADDRESS: 11300 185TH ST. W
MASTER ID: 23403 T.E.

INTERSECTION LAYOUT
TRAFFIC CONTROL SIGNAL SYSTEM
T.H. 35 AT C.S.A.H. 60 (185 TH AVE.) W. RAMP
IN LAKEVILLE, DAKOTA COUNTY

S.A.P. NO. _____ DRAWN BY: _____ CKD BY: _____ DATE: _____
CERTIFIED BY _____ LIC. NO. _____ DATE: _____
STATE PROJ. NO. (T.H. 35) SHEET NO. 1 OF 4 SHEETS

PLOTTED/REVISED: 6/3/2014

① W.B. STA. 326+8.5, 44' LT
 PA100 POLE FOUNDATION
 TYPE PA100-A-55-D40-9 (DAVIT AT 350 DEG)
 3-ONE-WAY SIGNALS OVERHEAD AT 0', 17' AND 29'
 ONE WAY SIGNAL MOUNTED AT 225 DEG (RC DESIGN)
 ONE WAY SIGNAL MOUNTED AT 315 DEG (RC DESIGN)
 1-ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASES 1+6)
 1-CD PED HEAD (P6-2)
 LUMINAIRE-250W HPS
 1-R9-3 SIGN (NO PEDS) FACING POLE 4
 1-R6-1L SIGN (ONE WAY)
 1-TYPE D SIGN
 EXTEND INTO HH 12:
 3" RSC
 2-12/C #12
 3-3/C #12
 1-3/C #12 (LUM)
 1-3/C #20

② W.B. STA. 326+98.4, 41.9' LT
 PEDESTAL FOUNDATION
 8' PEDESTAL POLE PLUS BASE
 TYPE 4A
 1-CD PED HEAD (P6-1)
 1-R9-3 SIGN (NO PEDS) FACING POLE 3
 EXTEND INTO HH 3:
 3" RSC
 2-3/C #12
 1-2/C #14

③ E.B. STA. 327+7.9, 42' RT
 PA90 POLE FOUNDATION
 TYPE PA90-A-35-D40-9 (DAVIT AT 350 DEG)
 2-ONE-WAY SIGNALS OVERHEAD AT 0' AND 11'
 ONE WAY SIGNAL MOUNTED AT 45 DEG (RC DESIGN)
 ONE WAY SIGNAL MOUNTED AT 315 DEG (RC DESIGN)
 1-ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASE 2)
 LUMINAIRE-250W HPS
 2-R9-3 SIGNS (NO PEDS) FACING PEDESTAL 2
 AND POLE 4
 1-R6-1R SIGN (ONE WAY)
 1-TYPE D SIGN
 EXTEND INTO HH 7:
 3" RSC
 2-12/C #12
 1-3/C #12
 1-3/C #12 (LUM)
 1-3/C #20

④ E.B. STA. 326+20.2, 55.6' RT
 PA90 POLE FOUNDATION
 TYPE PA90-A-30
 2-ONE-WAY SIGNALS OVERHEAD AT 0' AND 11'
 ONE WAY SIGNAL MOUNTED AT 225 DEG (RC DESIGN)
 ONE WAY SIGNAL MOUNTED AT 315 DEG (RC DESIGN)
 1-ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASE 4)
 2-R9-3 SIGNS (NO PEDS) FACING AND POLES 1 AND 3
 1-R6-1R SIGN (ONE WAY)
 1-TYPE D SIGN
 EXTEND INTO HH 8:
 3" RSC
 2-12/C #12
 1-3/C #12
 1-3/C #20

⑤ W.B. STA. 330+24.8, 40.0' LT
 PEDESTAL FOUNDATION
 12' PEDESTAL POLE PLUS BASE
 1-ONE WAY EVP DETECTOR (PHASES 1+6)
 EXTEND INTO HH 19:
 3" RSC
 1-3/C #20

Ⓐ EQUIPMENT PAD
 SERVICE CABINET
 CONTROLLER AND CABINET
 4" RSC TO HH 1: 4" RSC TO HH 12:
 2-12/C #12 4-12/C #12
 3-3/C #12 4-3/C #12
 17-2/C #14 2-2/C #14
 2-3/C #20 2-3/C #20
 1-6PR #19 1-6PR #19

SERVICE CABINET TO CONTROLLER CABINET:
 2" RSC
 2-1/C #6
 1-1/C #6 INS. GR.
 SERVICE CABINET TO HH 13:
 2" RSC
 3-1/C #2
 SERVICE CABINET TO HH 12:
 2" RSC
 2-3/C #12 (LUM)
 HH 1 TO 12:
 2" RSC
 1-3/C #12 (LUM)

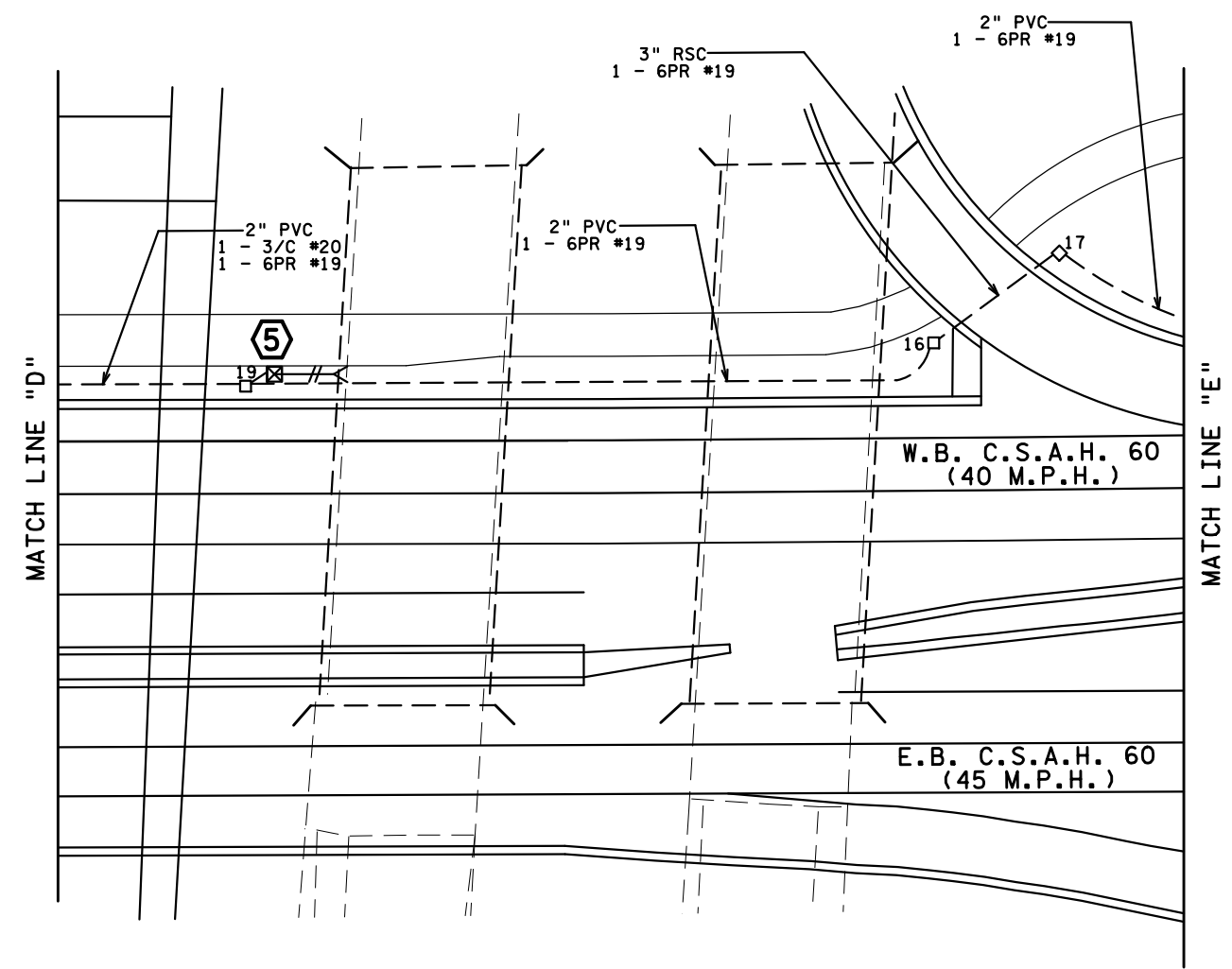
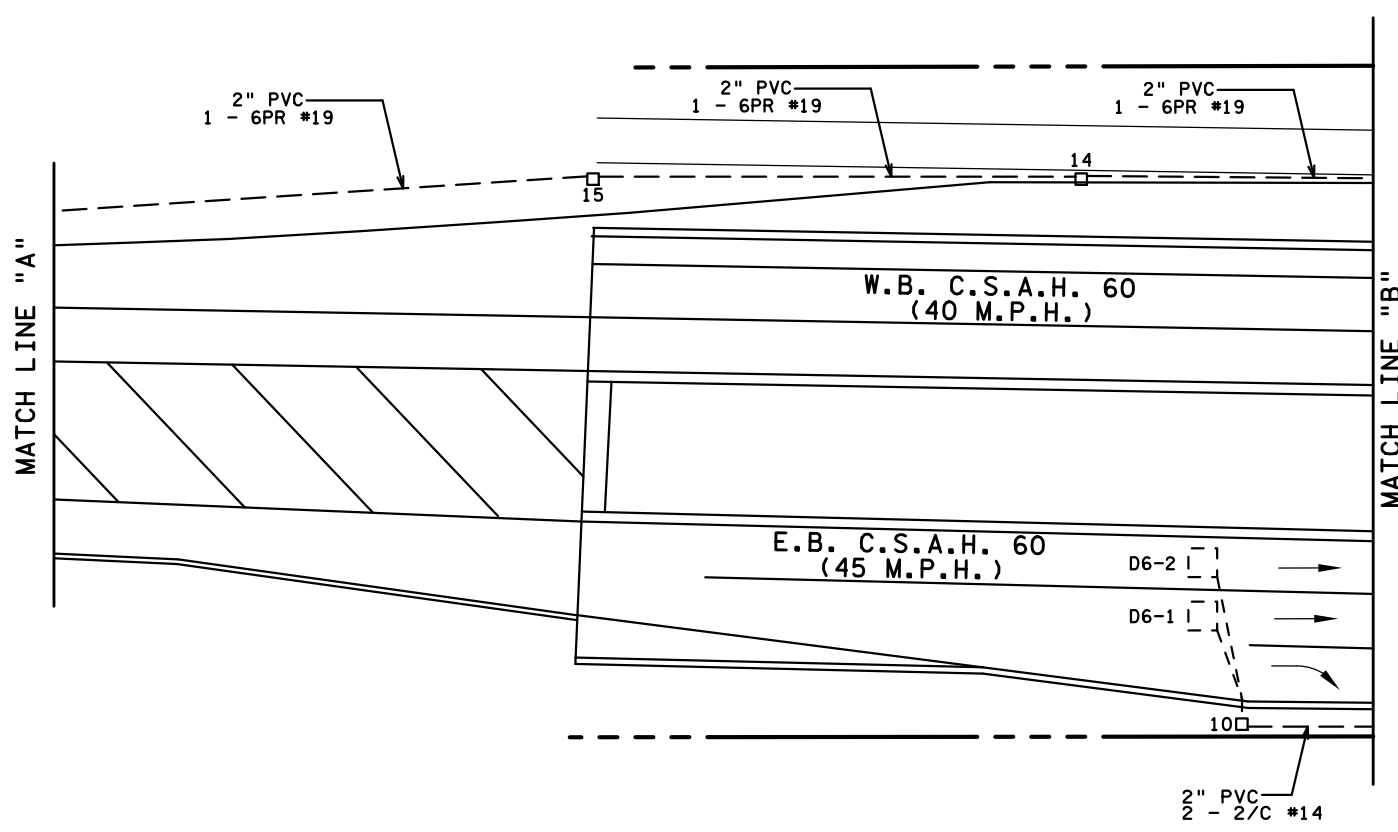
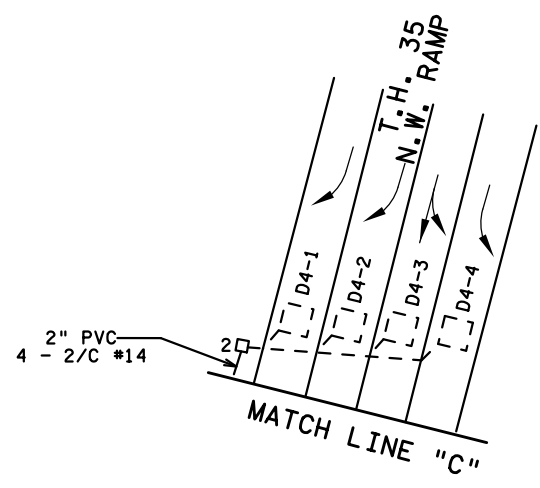
Ⓑ SOURCE OF POWER (WOOD POLE)
 (DAKOTA ELECTRIC COOP)
 EXTEND 2" RSC
 INTO HH 13 WITH:
 3-1/C #2

DISTRICT #: METRO
 IPLOT NAME: notes
 PATH & FILENAME: IP_PWP-d0780660T2234BR_sgl.dgn

BY	DATE	REVISIONS	SYSTEM ID: 22348	T.E.	INTERSECTION NOTES TRAFFIC CONTROL SIGNAL SYSTEM T.H. 35 AT C.S.A.H. 60 (185 TH AVE.) W. RAMP IN LAKEVILLE, DAKOTA COUNTY	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:	
GDS	06-03-14	AS BUILT OF SP 7080-51 (APS & CD PEDS)	METER ADDRESS: 11300 185TH ST. W			CERTIFIED BY _____	LIC. NO. _____	DATE: _____		
			MASTER ID: 23403	T.E.		STATE PROJ. NO.	(T.H. 35)	SHEET NO. 2 OF 4 SHEETS		

PLOTTED/REVISED: 6/3/2014

DISTRICT #: METRO
IPLOT NAME: match lines
PATH & FILENAME: IP_PWP:d0780660T22348R_sgl.dgn



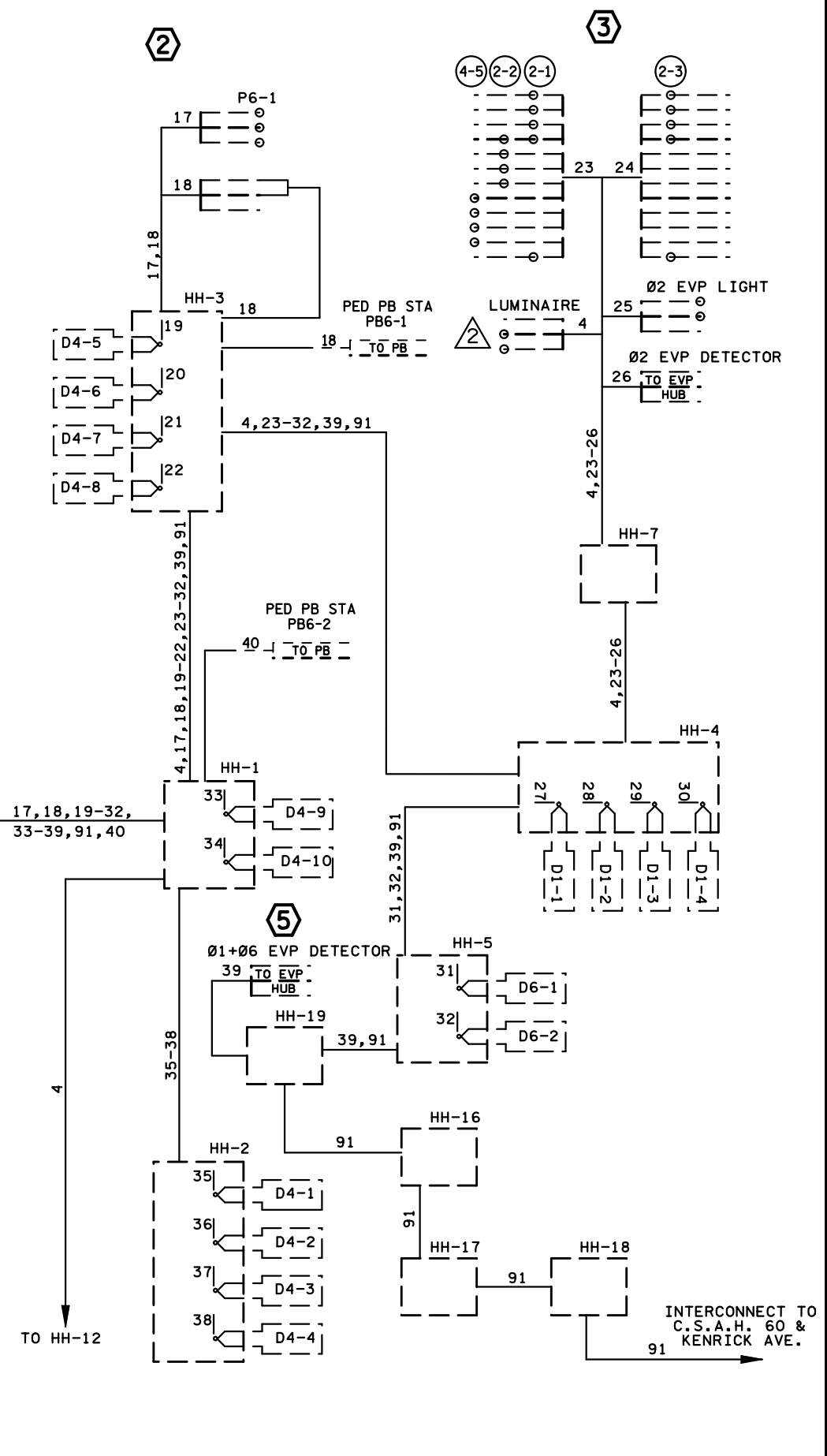
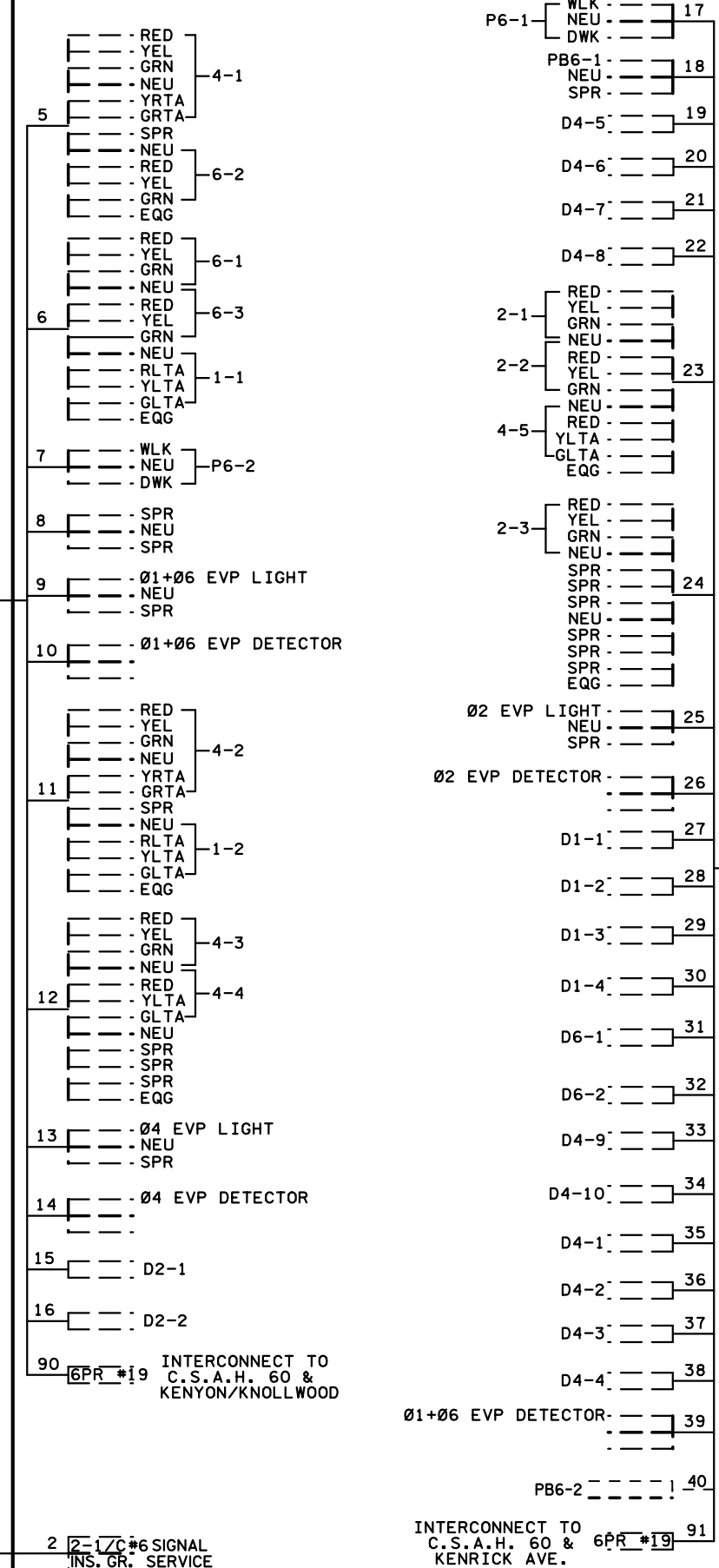
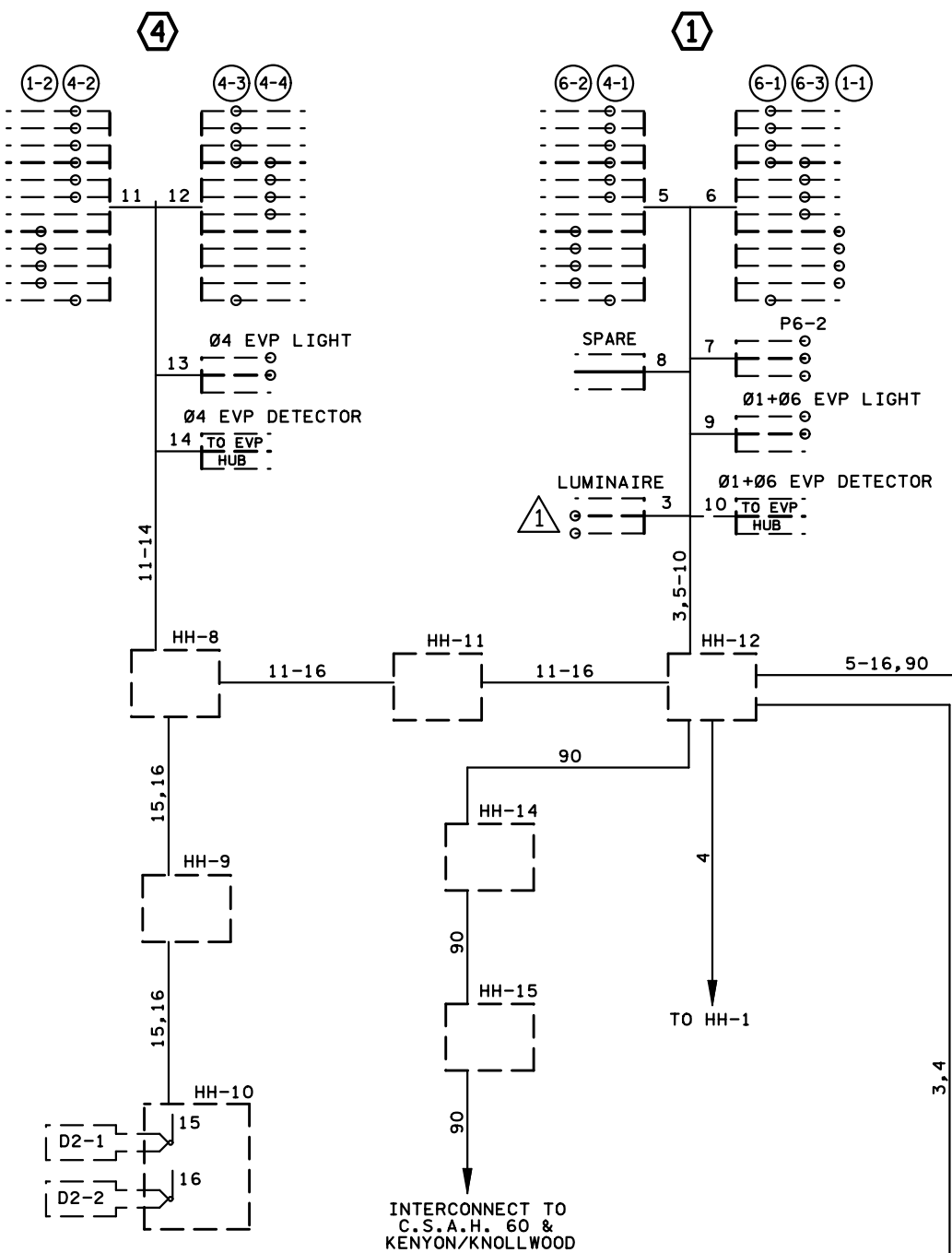
BY	DATE	REVISIONS	SYSTEM ID: 22348	T.E.	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
GDS	06-03-14	AS BUILT OF SP 7080-51 (APS & CD PEDS)	METER ADDRESS: 11300 185TH ST. W		CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
			MASTER ID: 23403	T.E.	STATE PROJ. NO.	(T.H. 35)	SHEET NO. 3 OF 4 SHEETS	

**MATCH LINES LAYOUT
TRAFFIC CONTROL SIGNAL SYSTEM
T.H. 35 AT C.S.A.H. 60 (185 TH AVE.) W. RAMP
IN LAKEVILLE, DAKOTA COUNTY**

PLOTTED/REVISED: 6/3/2014

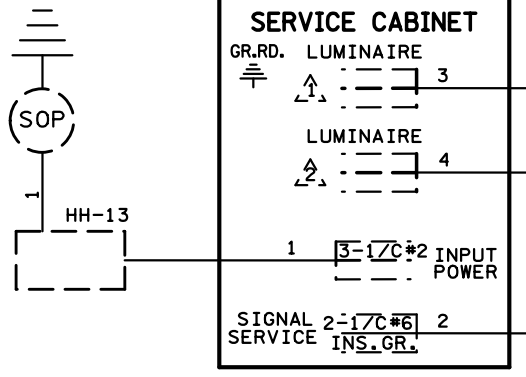
DISTRICT #: METRO
IPLOT NAME: wiring
PATH & FILENAME: IP_PWP-d0780660T22348R_sgl.dgn

CONTROLLER CABINET



CONDUCTOR COLOR CODING

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



NOTE: ALL TERMINAL BLOCK CONNECTIONS SHALL BE ARRANGED AS SPECIFIED ABOVE.

BY	DATE	REVISIONS	SYSTEM ID: 22348	T.E.	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
GDS	06-03-14	AS BUILT OF SP 7080-51 (APS & CD PEDS)	METER ADDRESS: 11300 185TH ST. W		CERTIFIED BY			
			MASTER ID: 23403	T.E.	STATE PROJ. NO.	LICENSED PROFESSIONAL ENGINEER		DATE:
			FIELD WIRING DIAGRAM		(T.H. 35)		SHEET NO. 4 OF 4 SHEETS	
			TRAFFIC CONTROL SIGNAL SYSTEM		T.H. 35			
			T.H. 35 AT C.S.A.H. 60 (185 TH AVE.) W. RAMP		IN LAKEVILLE, DAKOTA COUNTY			