

PLOTTED/REVISED: \$\$\$@DATE@\$\$\$

DISTRICT #: \$@DISTRICT@
PLOT NAME: \$\$\$@PLOT\$NAME@
PATH & FILENAME: \$\$\$@PATH\$FILENAME@\$\$\$

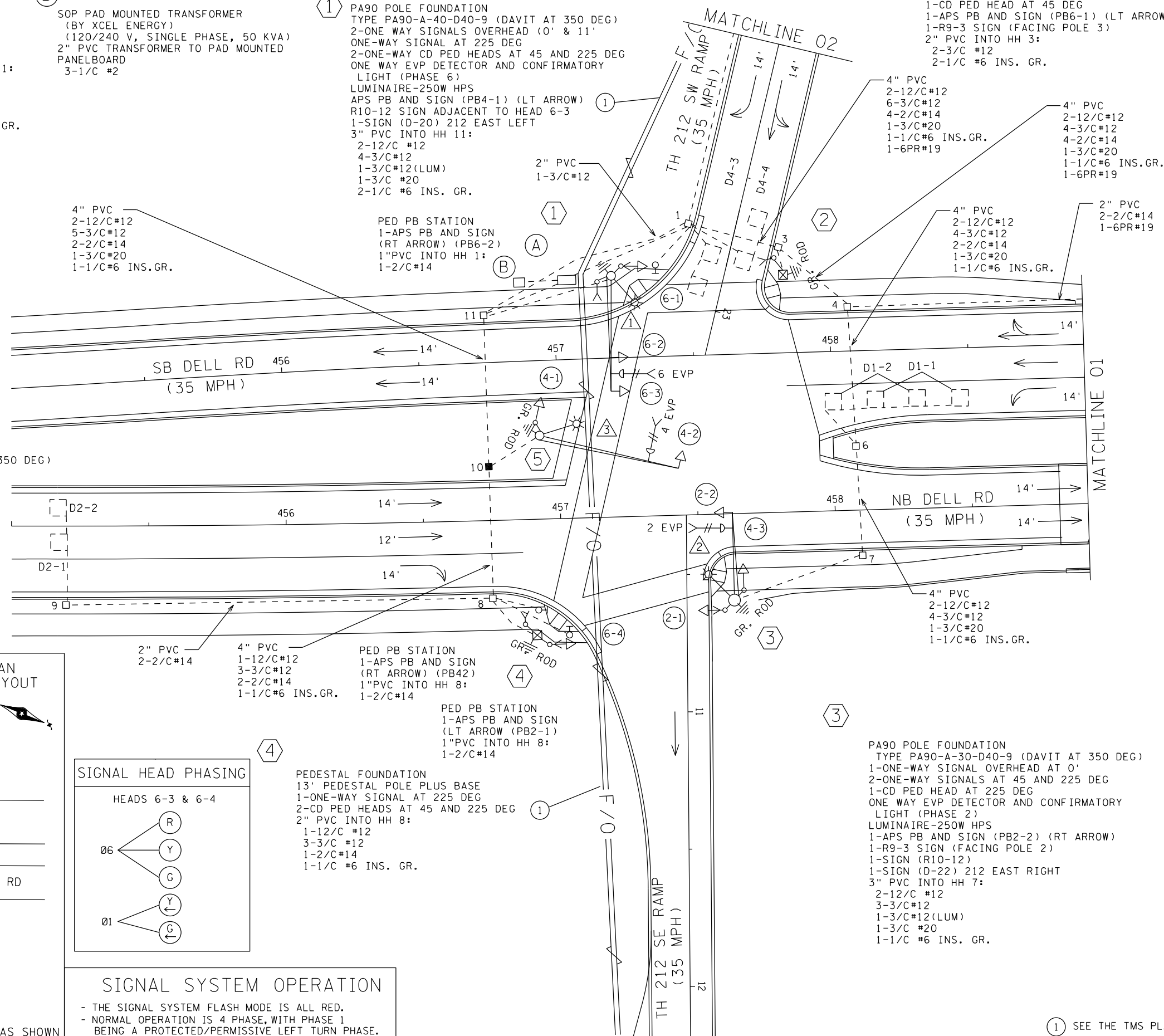
- (A) EQUIPMENT PAD - TYPE 6**
(SIGNAL & TMS)
CONTROLLER AND CABINET
SERVICE CABINET
3/4" PVC FOR FUTURE PHONE DROP
4" PVC TO HH 1: 4" PVC TO HH 11:
2-12/C#12 4-12/C#12
5-3/C#12 8-3/C#12
8-2/C#14 2-2/C#14
1-3/C#20 2-3/C#20
1-1/C#6 INS. GR. 1-1/C#6 INS. GR.
1-6PR#19

- (B) SOP PAD MOUNTED TRANSFORMER**
(BY XCEL ENERGY)
(120/240 V, SINGLE PHASE, 50 KVA)
2" PVC TRANSFORMER TO PAD MOUNTED
PANELBOARD
3-1/C #2

- (1) PA90 POLE FOUNDATION**
TYPE PA90-A-40-D40-9 (DAVIT AT 350 DEG)
2-ONE WAY SIGNALS OVERHEAD (0' & 11'
ONE-WAY SIGNAL AT 225 DEG
2-ONE-WAY CD PED HEADS AT 45 AND 225 DEG
ONE WAY EVP DETECTOR AND CONFIRMATORY
LIGHT (PHASE 6)
LUMINAIRE-250W HPS
APS PB AND SIGN (PB4-1) (LT ARROW)
R10-12 SIGN ADJACENT TO HEAD 6-3
1-SIGN (D-20) 212 EAST LEFT
3" PVC INTO HH 11:
2-12/C #12
4-3/C#12
1-3/C#12(LUM)
1-3/C #20
2-1/C #6 INS. GR.

- (2) PEDESTAL FOUNDATION**
10' PEDESTAL POLE PLUS BASE
1-CD PED HEAD AT 45 DEG
1-APS PB AND SIGN (PB6-1) (LT ARROW)
1-R9-3 SIGN (FACING POLE 3)
2" PVC INTO HH 3:
2-3/C #12
2-1/C #6 INS. GR.

- (5) PA100 POLE FOUNDATION**
TYPE PA100-A-50-D40-9 (DAVIT AT 350 DEG)
1-ONE WAY SIGNAL OVERHEAD AT 0'
1-ONE-WAY SIGNAL AT 225 DEG
ONE WAY EVP DETECTOR AND
CONFIRMATORY LIGHT (PHASE 4)
LUMINAIRE-250W HPS
1-SIGN (D-50) DELL RD
3" PVC INTO HH 10:
1-12/C #12
2-3/C #12
1-3/C #20
2-1/C #6 INS. GR.



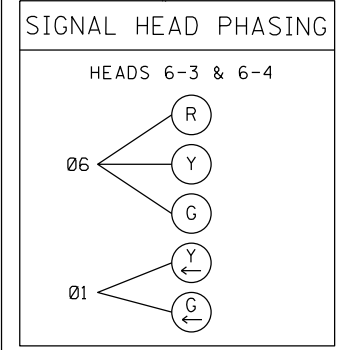
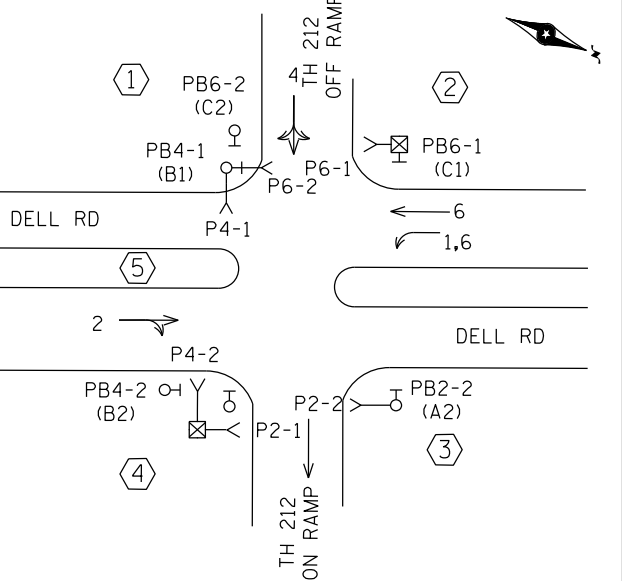
LOOP DETECTORS		
DESIGNATION	NO. OF LOOPS	LOCATION
D1-1	2	20 & 50
D1-2	2	5 & 35
D2-1, D2-2	1	180
D4-1, D4-2	1	180
D4-3	2	-5 & 10
D4-4	2	5 & 20
*D6-1, *D6-2	2	180

-ALL LOOP DETECTORS ARE 6' X 6' PVC
-LOCATION: DISTANCE FROM CROSSWALK/
STOP LINE IN FEET
*INSTALLED IN BRIDGE DECK

SIGNAL HEAD CHART						
FACE	R	Y	G	RLTA	YLTA	GLTA
2-1, 2-2	○	○	○			
4-1, 4-2, 4-3	○	○	○			
6-1, 6-2	○	○	○			
6-3, 6-4	○	○	○	←	←	

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

CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTON LAYOUT



SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 4 PHASE, WITH PHASE 1 BEING A PROTECTED/PERMISSIVE LEFT TURN PHASE.

BY	DATE	REVISIONS
EJA	1-29-15	AS-BUILTS OF SP 1017-101 & 8825-473

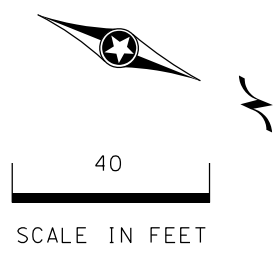
SYSTEM ID: 38427	T.E. 5969
METER ADDRESS: 8560 DELL ROAD	
MASTER ID:	T.E.

INTERSECTION LAYOUT
T 212 AT DELL ROAD
SOUTH RAMP
IN EDEN PRAIRIE, HENNEPIN COUNTY

S.A.P. NO.	STATE PROJ.NO.
DATE:12/11/13	(T.H.212)

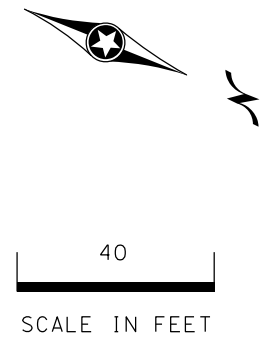
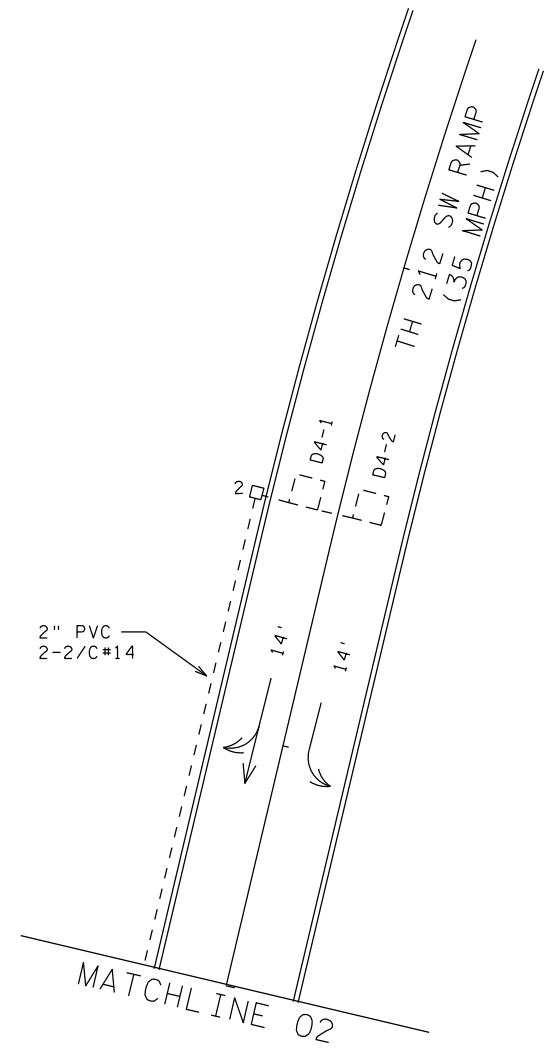
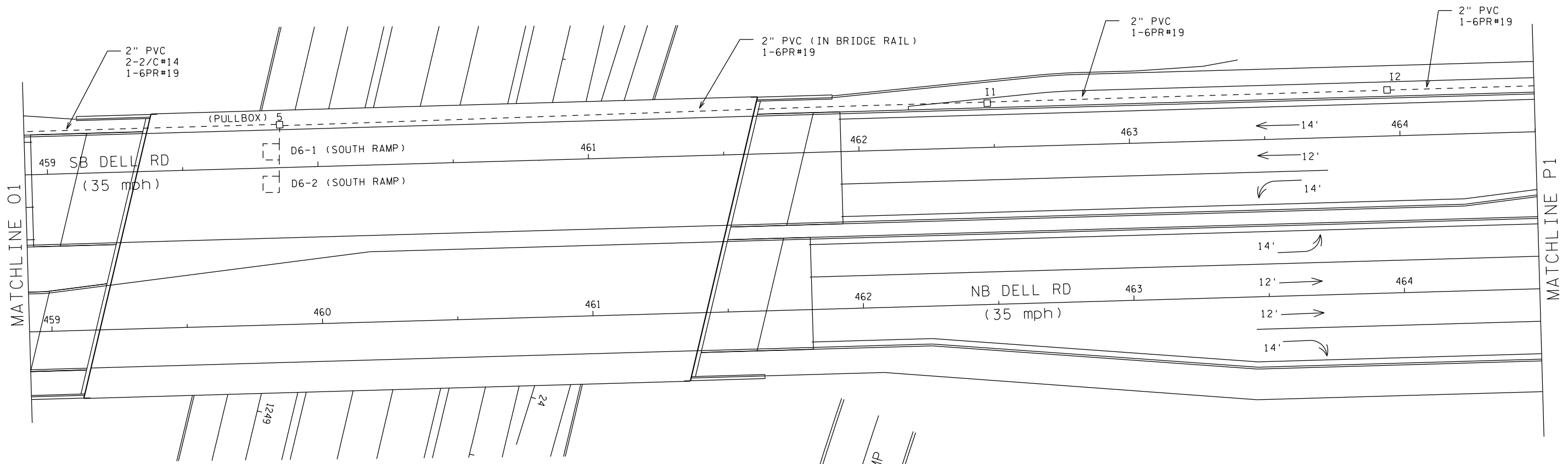
DRAWN BY: SJK	CKD BY: EJA	DATE: 12/11/13
SHEET NO. 1 OF 3 SHEETS		

(1) SEE THE TMS PLAN FOR FIBER OPTICS.



PLOTTED/REVISED: \$\$\$@DATE@\$\$\$

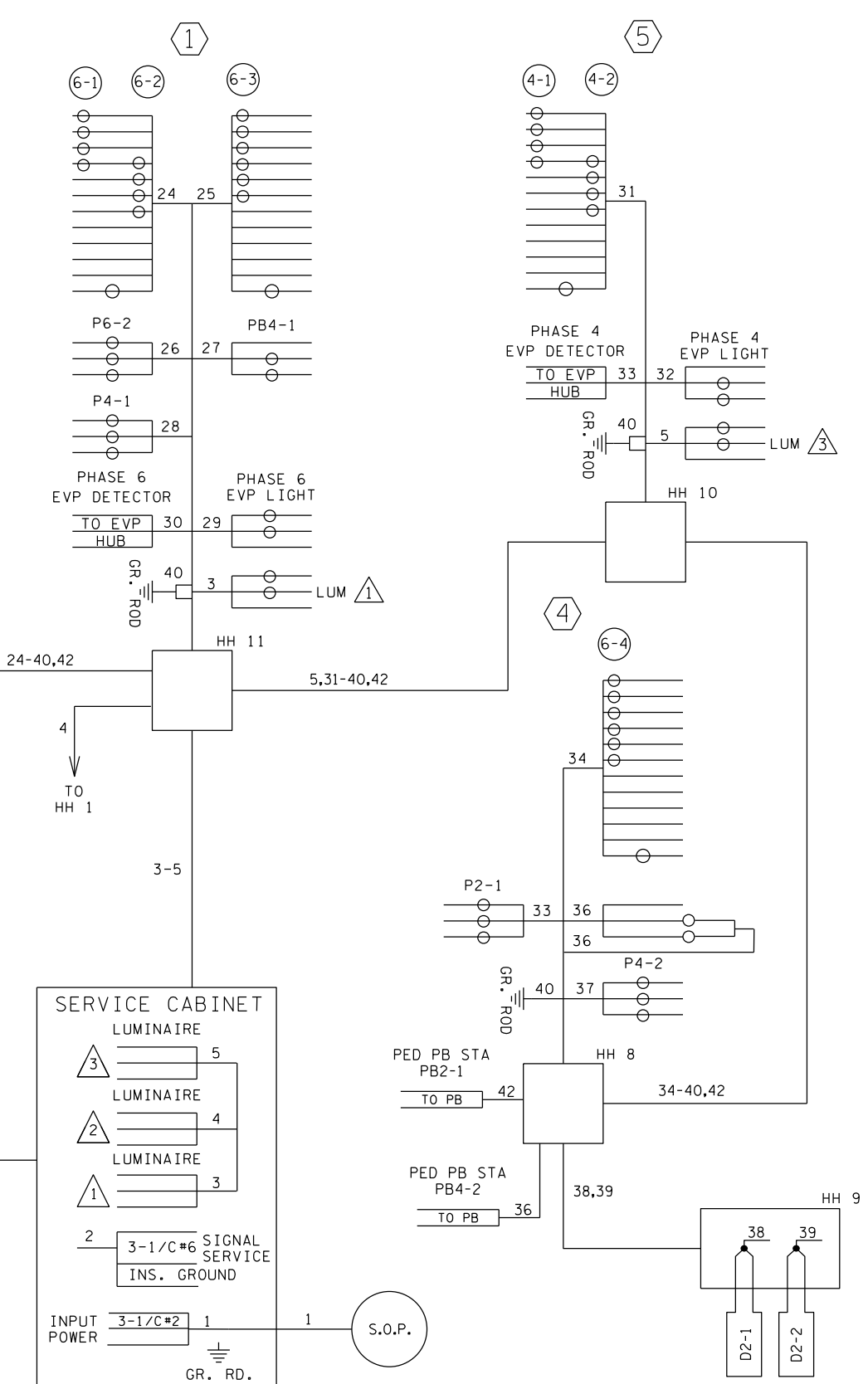
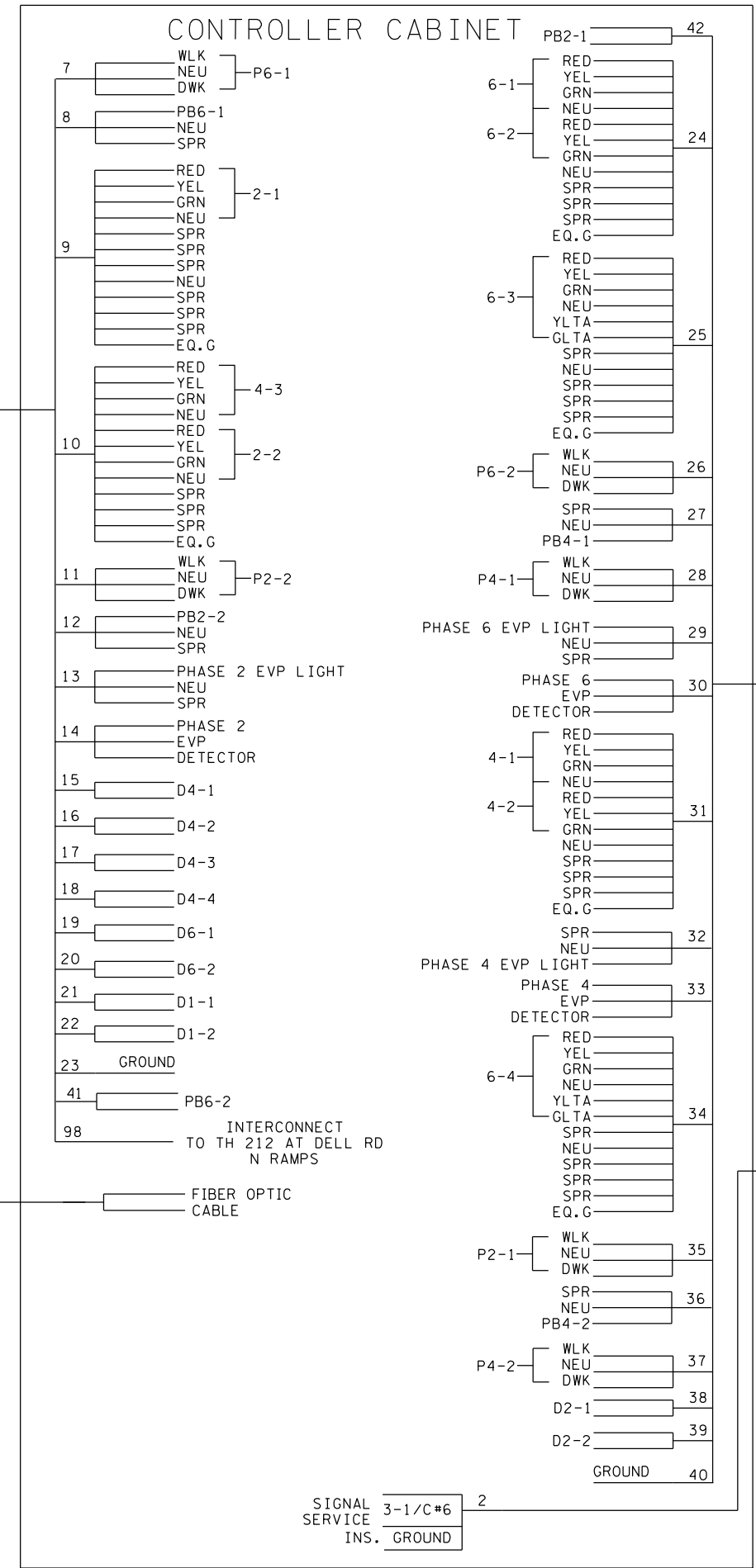
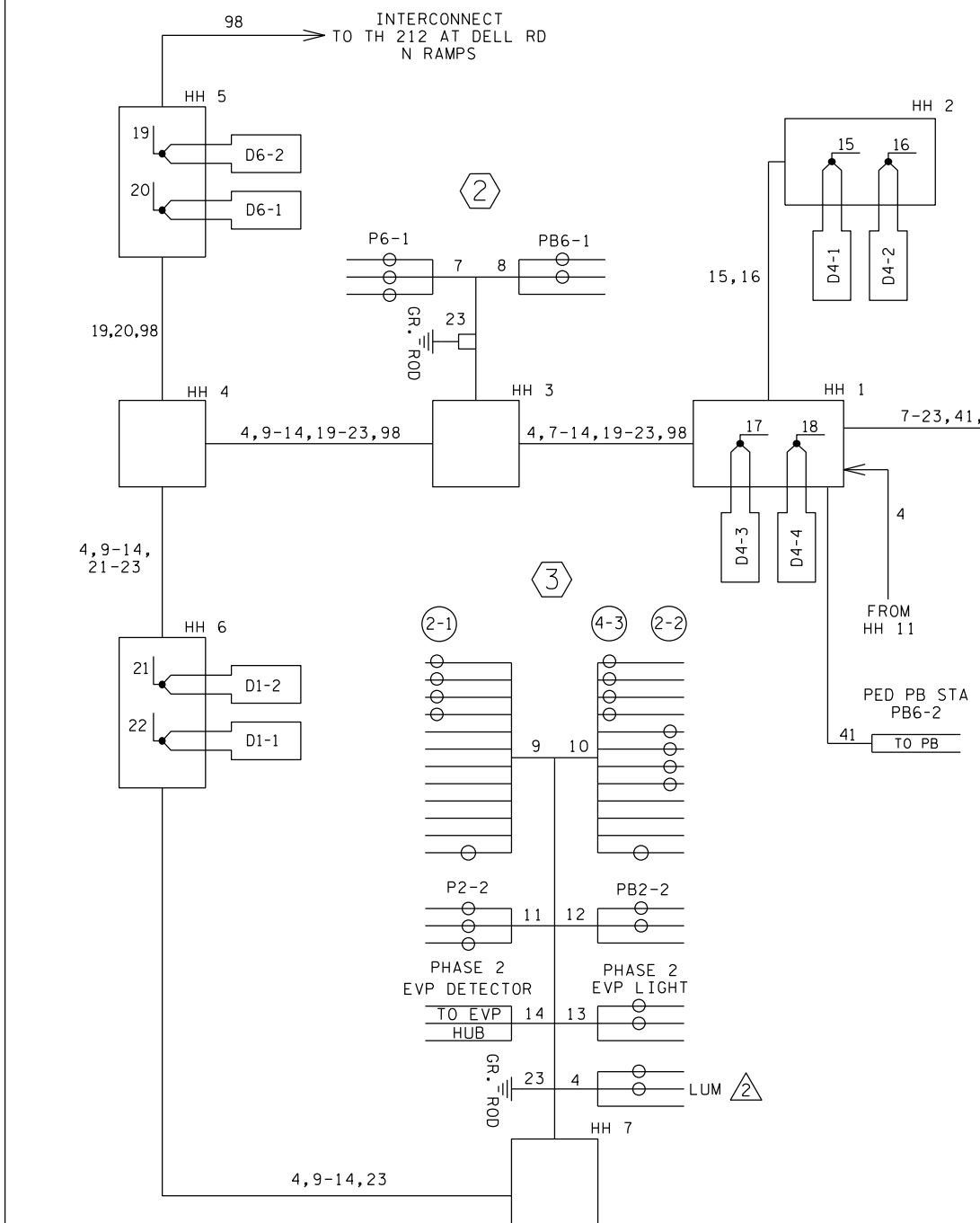
DISTRICT #: @@DISTRICT@
PLOT NAME: @@PLOT\$NAME@
PATH & FILENAME: \$\$\$@PATH\$FILENAME@\$\$\$



BY	DATE	REVISIONS	SYSTEM ID: 38427	T.E. 5969	S.A.P. NO.	DRAWN BY: SJK	CKD BY: EJA	DATE: 12/11/13
			METER ADDRESS: 8560 DELL ROAD					
			MASTER ID:	T.E.	STATE PROJ. NO.	(T.H.212)	SHEET NO.	2 OF 3 SHEETS

PLOTTED/REVISED: \$\$\$@DATE@\$\$\$

DISTRICT #: \$\$\$@DISTRICT@\$\$
 IPLOT NAME: \$\$\$@PLOT\$NAME@\$\$
 PATH & FILENAME: \$\$\$@PATH\$FILENAME@\$\$\$



CONDUCTOR COLOR CODE

TO SIGNAL CABINET		TO DEVICE	
3/C#20	R OR O WH OR YEL BLK OR BL	7/C#14	R RED O YEL BL GRN WH NEU Y YLTA BLK GLTA BRN SPR
2/C#14	BLK CLR	5/C#14	R RED O YEL BL GRN WH NEU BLK GLTA
2-1/C	BLK WH	4/C#14	R DWK BL WLK WH NEU BLK SPR
6PR#19		2/C#14	BLK EVP/PB/FLASHER WH NEU
1-1/C #6 INS. GR.	GREEN		

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