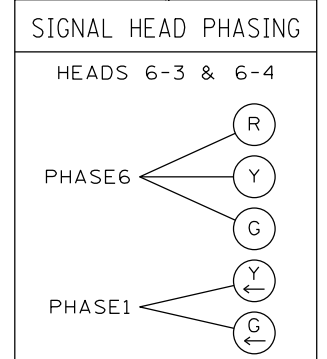


PLOTTED/REVISED: \$\$\$@DATE@\$\$\$

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

DETECTOR CHART		
DESIGNATION	SIZE IN FEET	LOCATION
D1-1	2-8 X 15	20' & 40'
D2-1	2-6 X 6	270'
D4-1	2-6 X 6	0' & 10'
D4-2	1-6 X 14	15'
D4-3	1-8 X 15	10'
D6-1	2-6 X 6	220'

LOCATION = DISTANCE FROM STOP BAR

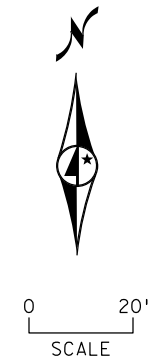
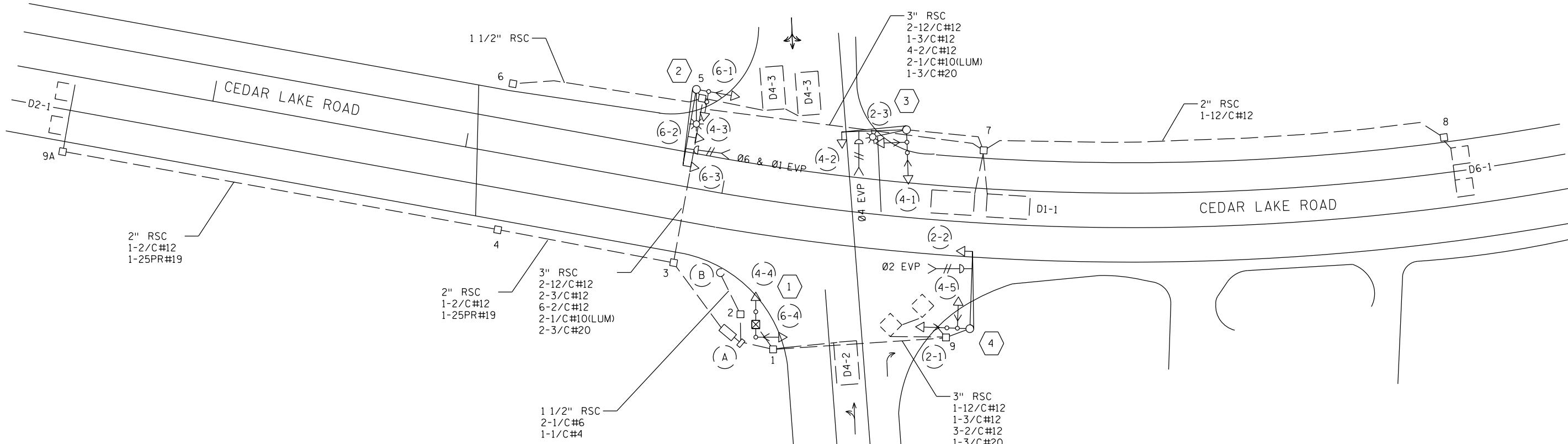


SIGNAL HEAD CHART					
FACE	R	Y	G	Y	G
2-1, 2-2, 2-3	○	○	○		
4-1, 4-2, 4-3	○	○	○		
4-4, 4-5	○	○	○		
6-1, 6-2	○	○	○		
6-3, 6-4	○	○	○	←	←

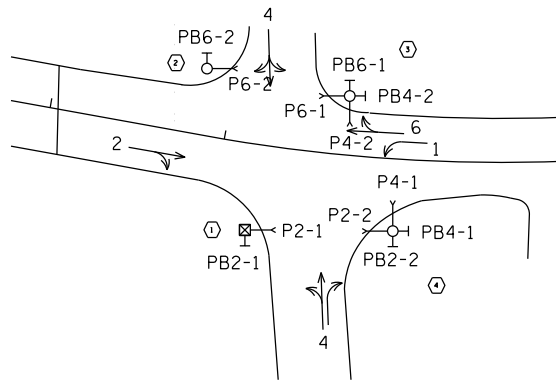
-ALL SIGNAL INDICATIONS ARE 12"  
 -ALL SIGNAL FACES HAVE A BACKGROUND SHIELD  
 -ALL RED & GREEN INDICATIONS ARE LEDS.

② TYPE A-30-D40-9 (DAVIT AT 355 DEG)  
 2-ONE WAY SIGNALS OVERHEAD  
 TYPE 20B AT 270 DEG  
 LUMINAIRE-250W HPS  
 ONE WAY EVP DETECTOR AND  
 CONFIRMATORY LIGHT (Ø6 & Ø1)  
 1-PED PB AND SIGN  
 1-R9-3 SIGN (FACING POLE 1)  
 EXTEND TO HH 5:  
 3" RSC  
 4-12/C#12  
 1-3/C#12  
 1-2/C#12  
 4-1/C#10(LUM)  
 1-3/C#20

③ TYPE A-25-D40-9 (DAVIT AT 355 DEG\*)  
 ONE WAY SIGNAL OVERHEAD  
 TYPE 20C AT 270 DEG  
 LUMINAIRE-250W HPS  
 ONE WAY EVP DETECTOR AND  
 CONFIRMATORY LIGHT (Ø4)  
 2-PED PBS AND SIGNS  
 EXTEND TO HH 7:  
 3" RSC  
 2-12/C#12  
 1-3/C#12  
 2-2/C#12  
 2-1/C#10(LUM)  
 1-3/C#20



**CONTROLLER PHASING, PEDESTRIAN INDICATION AND PUSH BUTTON LAYOUT**



① PEDESTAL FOUNDATION  
 10' SIGNAL PEDESTAL AND BASE  
 TYPE 2B  
 1-PED PB AND SIGN  
 1-R3-9 SIGN (FACING POLE 2)  
 EXTEND TO HH 1:  
 3" RSC  
 2-12/C#12  
 1-2/C#12

② WOOD POLE  
 SOP XCEL ENRGY  
 EXTEND TO HH 2:  
 1 1/2" RSC  
 2-1/C#6  
 1-1/C#4

③ EQUIPMENT PAD  
 CABINET & CONTROLLER  
 EXTEND TO HH 3: 3 1/2" RSC  
 2-12/C#12  
 2-3/C#12  
 7-2/C#12  
 2-1/C#10(LUM)  
 2-3/C#20  
 1-25PR#19  
 EXTEND TO HH 1: 3" RSC  
 3-12/C#12  
 1-3/C#12  
 5-2/C#12  
 1-3/C#20  
 EXTEND TO LOAD CENTER:  
 1 1/2" RSC  
 2-1/C#6  
 1-1/C#4

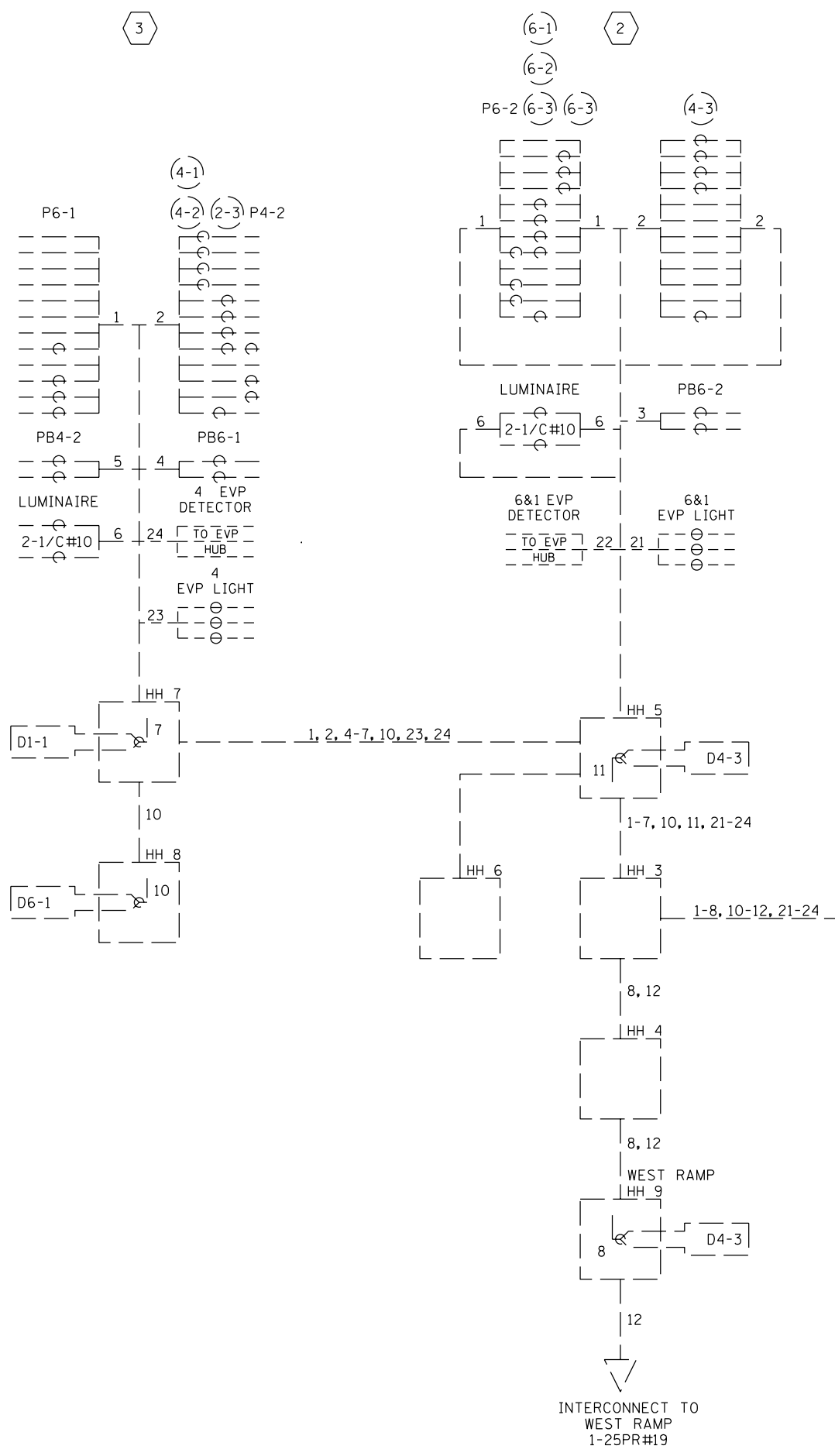
④ TYPE A-30  
 ONE WAY SIGNAL OVERHEAD  
 TYPE 20C AT 270 DEG  
 ONE WAY EVP DETECTOR AND  
 CONFIRMATORY LIGHT (Ø2)  
 2-PED PBS AND SIGNS  
 EXTEND TO HH 9:  
 3" RSC  
 1-12/C#12  
 2-12/C#12  
 1-3/C#12  
 1-3/C#20

BY	DATE	REVISIONS	SYSTEM ID: 20156	T.E.	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
EJA	6-12-15	PLAN UPDATES	METER ADDRESS: 9535 CEDAR LAKE ROAD		CERTIFIED BY _____	LIC. NO. _____		DATE: _____
			MASTER ID:	T.E.	STATE PROJ. NO. (T.H.169) SHEET NO. 1 OF 2 SHEETS			

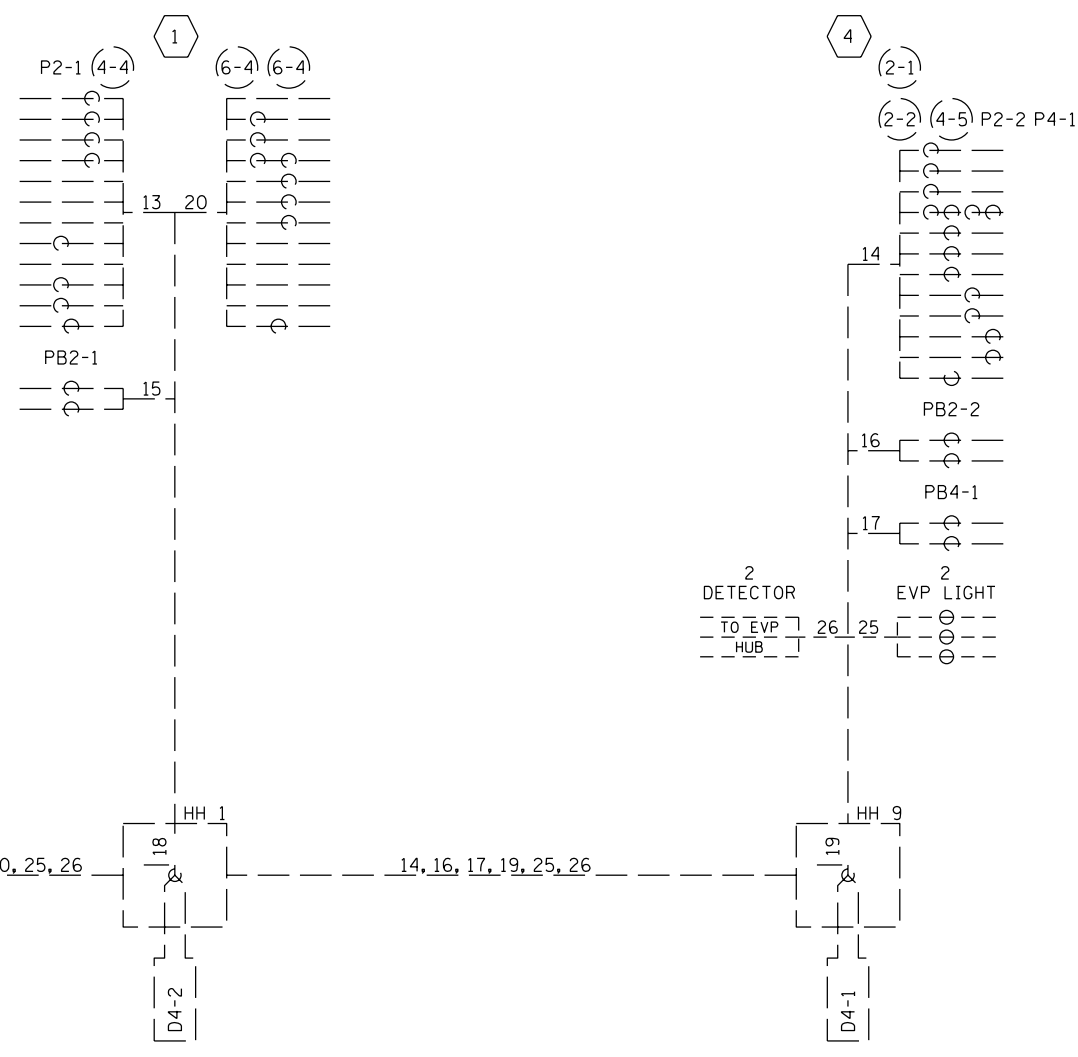
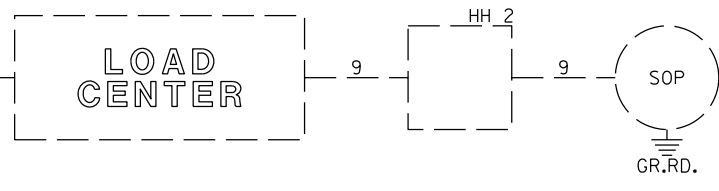
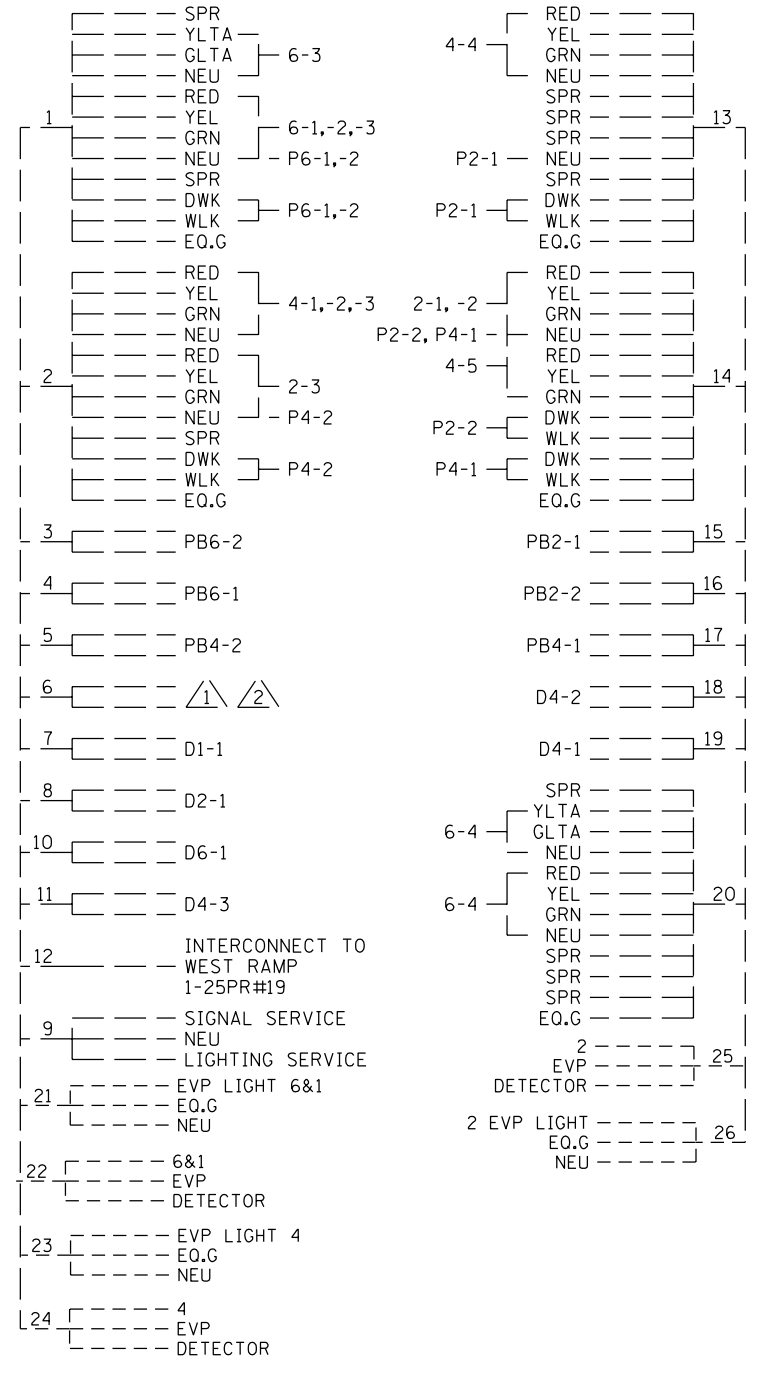
INTERSECTION LAYOUT  
 TH 169 AT CEDAR LAKE ROAD EAST RAMP  
 IN ST LOUIS PARK, HENNEPIN COUNTY

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

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



### CONTROLLER CABINET



BY	DATE	REVISIONS
EJA	6-12-15	PLAN UPDATES

SYSTEM ID: 20156 T.E.  
 METER ADDRESS: 9535 CEDAR LAKE ROAD  
 MASTER ID: T.E.

WIRING DIAGRAM  
 TH 169 AT CEDAR LAKE ROAD EAST RAMP  
 IN ST LOUIS PARK, HENNEPIN COUNTY

S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
STATE PROJ. NO.	(T.H.169) SHEET NO.	2 OF	2 SHEETS