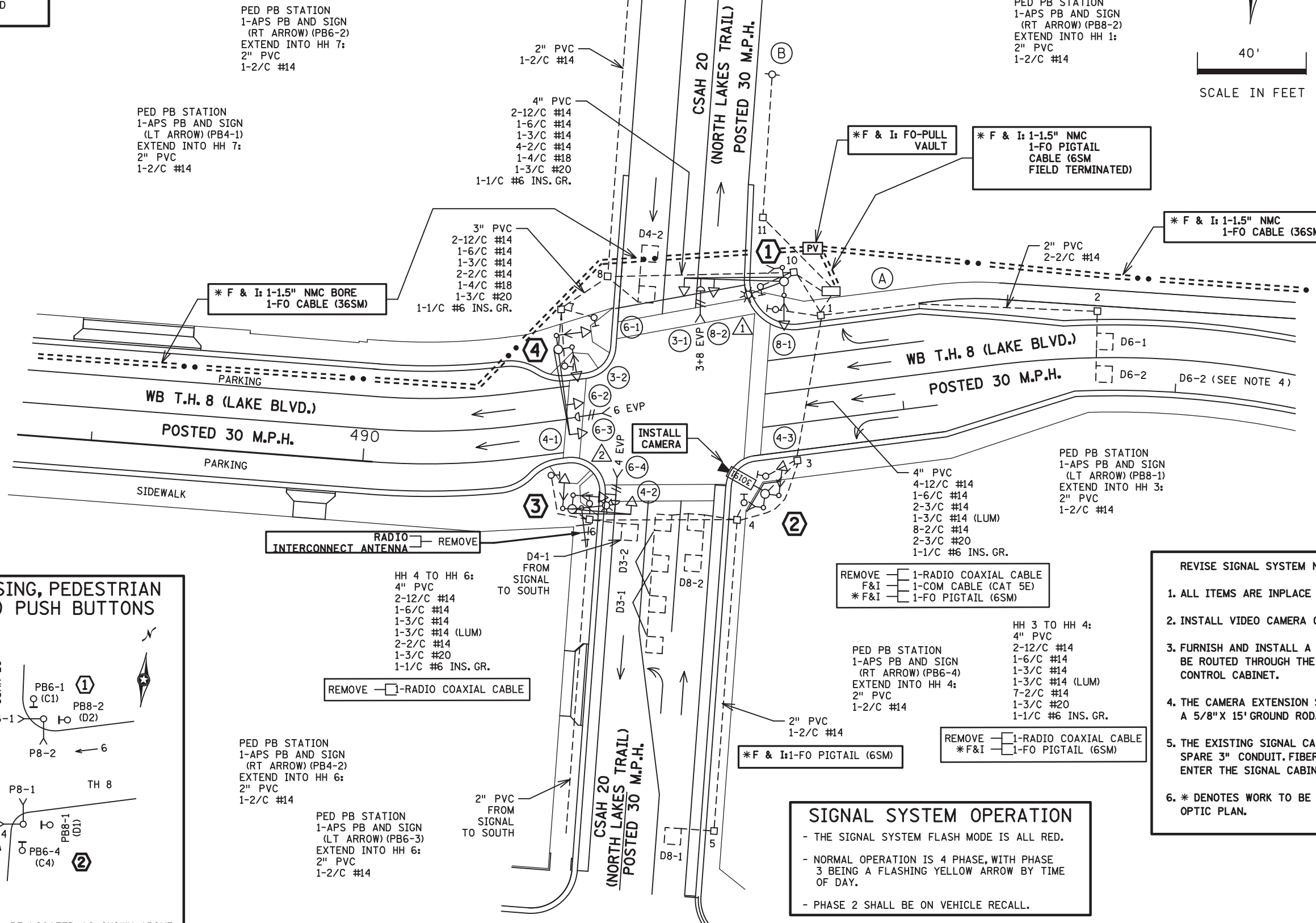


SIGNAL HEAD CHART				
FACE	R	Y	FYA	G
3-1, 3-2	◀	◀	◀	◀
4-1, 4-2, 4-3	○	○		○
6-1, 6-2, 6-3, 6-4	○	○		○
8-1, 8-2	○	○		○

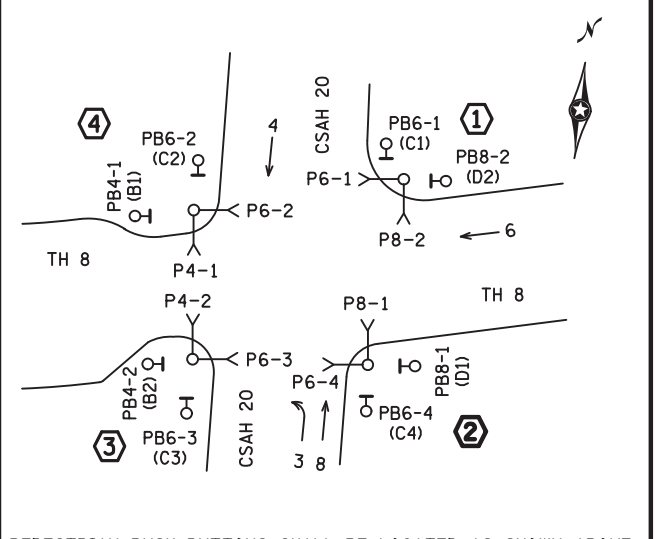
-ALL SIGNAL INDICATIONS ARE 12" LED  
-ALL SIGNAL HEADS ARE BLACK POLYCARBONITE WITH BACKGROUND SHIELDS

LOOP DETECTOR CHART		
NUMBER	SIZE (FT)	LOCATION
D3-1	2-6x6	20 & 50
D3-2	2-6x6	5 & 35
D4-1	6x6	120
D4-2	2-6x6	5 & 20
D6-1, D6-2	6x6	120
D8-1	6x6	120
D8-2	2-6x6	5 & 20

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



**CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS**



- REVISE SIGNAL SYSTEM NOTES:**
- ALL ITEMS ARE INPLACE UNLESS NOTED.
  - INSTALL VIDEO CAMERA ON POLE NO. 2. (SUPPLIED BY MNDOT)
  - FURNISH AND INSTALL A CAMERA EXTENSION. CABLE SHALL BE ROUTED THROUGH THE SIGNAL SYSTEM TO THE SIGNAL CONTROL CABINET.
  - THE CAMERA EXTENSION SHALL BE GROUNDED IN HH 3 WITH A 5/8" X 15' GROUND ROD. (SEE DETAIL)
  - THE EXISTING SIGNAL CABINET CONCRETE FOUNDATION HAS A SPARE 3" CONDUIT. FIBER OPTIC CONDUIT (1.5 NMC) TO ENTER THE SIGNAL CABINET THROUGH THIS SPARE CONDUIT.
  - \* DENOTES WORK TO BE COMPLETED AS PART OF THE FIBER OPTIC PLAN.

**SIGNAL SYSTEM OPERATION**

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 4 PHASE, WITH PHASE 3 BEING A FLASHING YELLOW ARROW BY TIME OF DAY.
- PHASE 2 SHALL BE ON VEHICLE RECALL.

DISTRICT #: Metro  
 PLOT NAME: SS31\_LAYOUT 39095  
 PATH & FILENAME: Proj\Traffic\Signals\39095 North Ramp CSAH20V\39095\_sgl.dgn  
 PLOTTED/REVISED: 23-APR-2020

BY	DATE	REVISIONS	SYSTEM ID: 1736732	<b>INTERSECTION LAYOUT REVISE SIGNAL SYSTEM I TH 8 (LAKE BLVD) AT CSAH 20 (N.LAKES TRAIL) IN LINDSTROM, CHISAGO CO.</b>	S.A.P. NO.	DRAWN BY: BAM	CKD BY: GAK	DATE: 4-9-20
			METER ADDRESS: 30601 N. LAKES TRAIL		CERTIFIED BY: <i>Gregory Ken</i>	LIC. NO. 26829	DATE: 4/9/20	
			OLD SYSTEM ID: 39095		STATE PROJ. NO. 1301-126 (T.H.8)	SHEET NO. SS31 OF SS42 SHEETS		

PLOTTED/REVISED: 23-APR-2020

DISTRICT #: Metro  
I/PLOT NAME: SS32\_NOTES\_39095  
PATH & FILENAME: Projects\DM\_R05\008\0000\Traffic\Signals\39095\_North Ramp CSAH20V\39095\_sgl.dgn

- ④ WB STA 490+76.85, 37.83' LT  
PA90 POLE FOUNDATION  
TYPE PA90-A-30  
2-SWING AWAY HINGES  
1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'  
1-STRAIGHT MOUNT SIGNAL OVERHEAD AT 11'  
2-ANGLE MOUNT SIGNALS AT 180 AND 270 DEG  
2-ANGLE MOUNT C.D. PED HEADS  
AT 180 AND 270 DEG  
ONE-WAY EVP DETECTOR AND  
CONFIRMATORY LIGHT (PHASE 6)  
1-TYPE D SIGN  
1-R6-1R SIGN (ONE WAY)  
1-R6-1L SIGN (ONE WAY)  
3" PVC TO HH 7:  
2-12/C #14  
1-6/C #14  
1-3/C #14  
1-4/C #18  
1-3/C #20  
1-1/C #6 INS. GR.

- ① WB STA 491+62.24, 52.18' LT  
PA90 POLE FOUNDATION  
TYPE PA90-A-35-D40-9 (DAVIT AT 350 DEG)  
1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'  
1-STRAIGHT MOUNT SIGNAL OVERHEAD AT 11'  
1-ANGLE MOUNT SIGNAL AT 270 DEG  
2-ANGLE MOUNT C.D. PED HEADS  
AT 90 AND 270 DEG  
ONE-WAY EVP DETECTOR AND  
CONFIRMATORY LIGHT (PHASES 3+8)  
LUMINAIRE-250W HPS  
1-R10-X12 SIGN ADJACENT TO HEAD 3-1  
1-TYPE D SIGN  
3" PVC TO HH 10:  
2-12/C #14  
1-6/C #14  
1-3/C #14  
1-3/C #14 (LUM)  
1-3/C #20  
1-1/C #6 INS. GR.

- Ⓑ SOP-WOOD POLE  
AND TRANSFORMER  
(XCEL ENERGY)  
2" PVC TO HH 11:  
3-1/C #2

**REVISE SIGNAL SYSTEM NOTES:**

1. ALL ITEMS ARE INPLACE UNLESS NOTED.
2. INSTALL VIDEO CAMERA ON POLE NO. 2. (SUPPLIED BY MNDOT)
3. FURNISH AND INSTALL A CAMERA EXTENSION. CABLE SHALL BE ROUTED THROUGH THE SIGNAL SYSTEM TO THE SIGNAL CONTROL CABINET.
4. THE CAMERA EXTENSION SHALL BE GROUNDED IN HH 3 WITH A 5/8" X 15' GROUND ROD. (SEE DETAIL)
5. THE EXISTING SIGNAL CABINET CONCRETE FOUNDATION HAS A SPARE 3" CONDUIT. FIBER OPTIC CONDUIT (1.5 NMC) TO ENTER THE SIGNAL CABINET THROUGH THIS SPARE CONDUIT.
6. \* DENOTES WORK TO BE COMPLETED AS PART OF THE FIBER OPTIC PLAN.

Ⓐ EQUIPMENT PAD  
SERVICE CABINET

REMOVE  MASTER CONTROLLER

CONTROLLER AND CABINET

4" PVC TO HH 1:	4" PVC TO HH 10:
4-12/C #14	4-12/C #14
1-6/C #14	2-6/C #14
2-3/C #14	2-3/C #14
11-2/C #14	5-2/C #14
2-3/C #20	1-4/C #18
1-1/C #6 INS. GR.	2-3/C #20
	1-1/C #6 INS. GR.

REMOVE  1-RADIO COAXIAL CABLE  
F&I  1-COM CABLE (CAT 5E)  
\* F&I  1-FO PIGTAIL (6SM)

2" PVC TO SERVICE CABINET:  
2-1/C #6  
1-1/C #6 INS. GR.

2" PVC TO SERVICE CABINET:  
(SPARE COMMS)  
SERVICE CABINET TO HH 11:  
2" PVC  
3-1/C #2  
SERVICE CABINET TO HH 1:  
2" PVC  
2-3/C #14 (LUM)  
HH 1 TO HH 10:  
2" PVC  
1-3/C #14 (LUM)

\* F&I  CONTROLLER CABINET TO PULL VAULT  
1.5" NMC  
1-FO PIGTAIL (6SM FIELD TERMINATED)

- ③ WB STA 490+74.53, 21' RT  
PA85 POLE FOUNDATION  
TYPE PA85-A-20-D40-9 (DAVIT AT 350 DEG)  
1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'  
2-ANGLE MOUNT SIGNALS AT 180 AND 270 DEG  
2-ANGLE MOUNT C.D. PED HEADS  
AT 180 AND 270 DEG  
ONE-WAY EVP DETECTOR AND  
CONFIRMATORY LIGHT (PHASE 4)  
LUMINAIRE-250W HPS

REMOVE  1-RADIO INTERCONNECT ANTENNA  
ON LUMINAIRE DAVIT ARM

- 2-TYPE D SIGNS  
3" PVC TO HH 6:  
2-12/C #14  
1-6/C #14  
1-3/C #14  
1-3/C #14 (LUM)  
1-3/C #20  
1-1/C #6 INS. GR.

REMOVE  1-RADIO COAXIAL CABLE

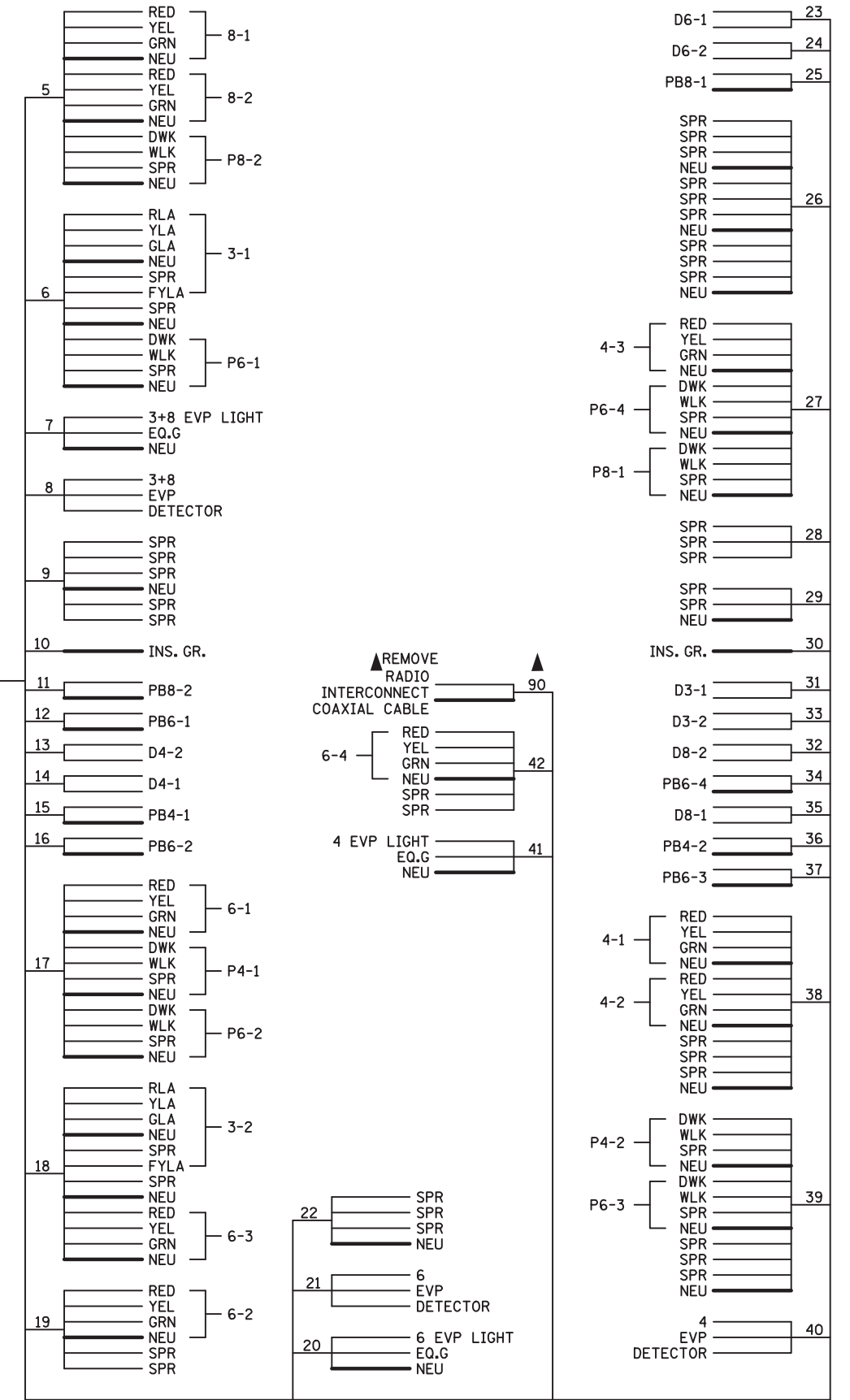
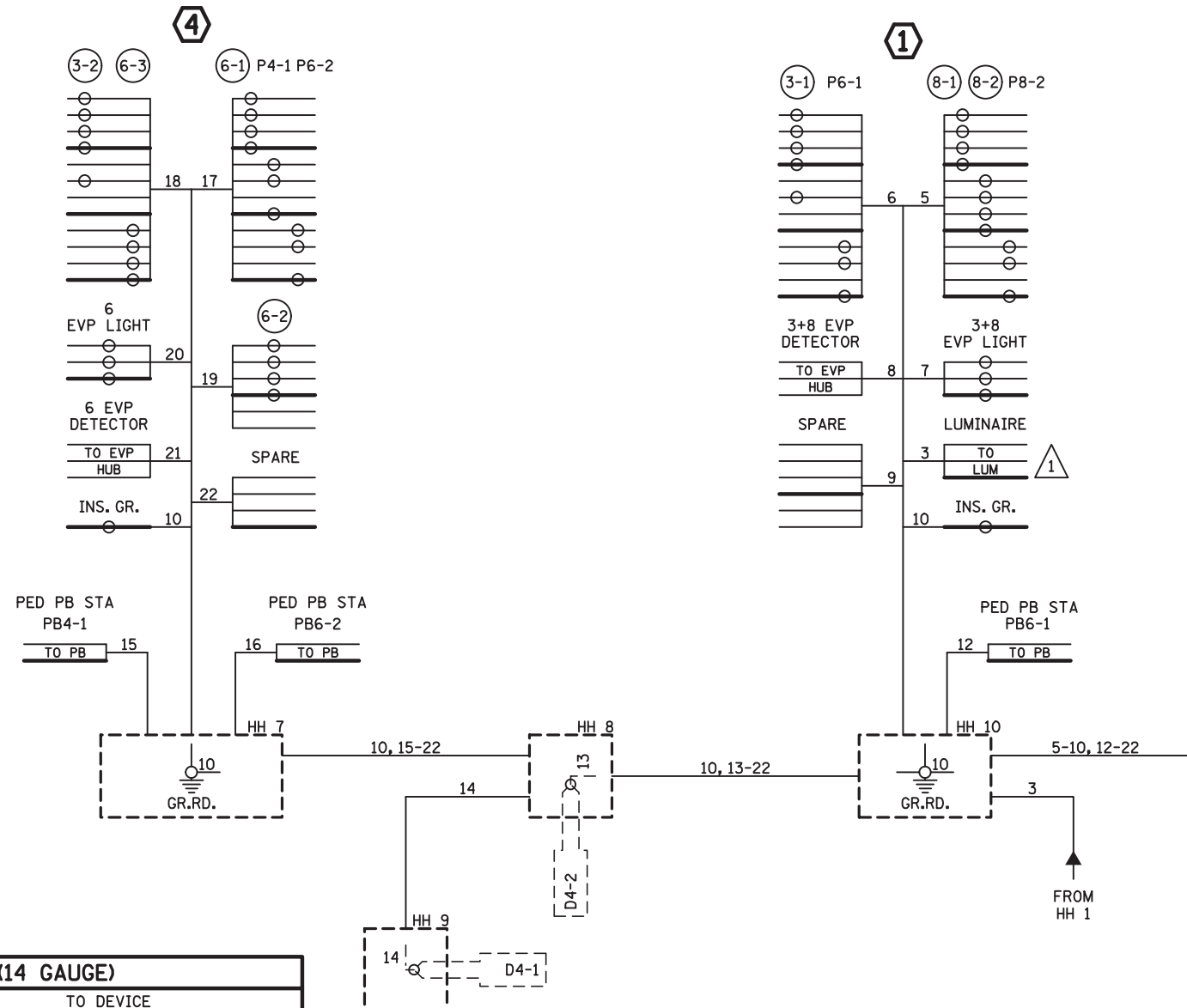
- ② WB STA 491+45.49, 24.34' RT  
PA85 POLE FOUNDATION  
TYPE PA85-A-0
- F&I  CAM X-400 EXTENSION (INCLUDING LIGHTNING ROD)  
7/16 GROUND BRAID  
INSTALL  1-VIDEO CAMERA WITH MOUNT (30191)

- 1-ANGLE MOUNT SIGNAL AT 90'  
2-ANGLE MOUNT C.D. PED HEADS  
AT 90 AND 180 DEG  
1-R6-1R SIGN (ONE WAY)  
1-R6-1L SIGN (ONE WAY)  
3" PVC TO HH 3:  
2-12/C #14  
1-3/C #14  
1-3/C #20  
1-1/C #6 INS. GR.

F&I  1-7/16" GROUND BRAID TO GROUND ROD  
1-COM CABLE (CAT 5E)

BY	DATE	REVISIONS	SYSTEM ID: 1736732	INTERSECTION LAYOUT NOTES REVISE SIGNAL SYSTEM I TH 8 (LAKE BLVD) AT CSAH 20 (N.LAKES TRAIL) IN LINDSTROM, CHISAGO CO.	S.A.P. NO.	DRAWN BY: BAM	CKD BY: GAK	DATE: 4-9-20
			METER ADDRESS: 30601 N. LAKES TRAIL		CERTIFIED BY <i>Gregory Kim</i>		LIC. NO. 26829	DATE: 4/9/20
			OLD SYSTEM ID: 39095		STATE PROJ. NO. 1301-126 (T.H.8)		SHEET NO. SS32 OF SS42 SHEETS	

### CONTROLLER CABINET



#### CONDUCTOR COLOR CODE (14 GAUGE)

TO SIGNAL CABINET		TO DEVICE	
1/C#6 G	R	R	RED
6PR#19	O	BL	YEL
COXIAL CABLE	6/C#14 BLK	WH	GRN
	WH	BLK/R	NEU
	BLK	BLK	YLTA
		BLK	GLTA
	4/C#14 R		
	BLK/R		
	BLK		
	WH		
3-1/C#2 R	INPUT POWER	4/C#14 R	RED/DWK
WH		BLK/R	YEL/WLK
BLK		BLK	GRN/SPR
3-1/C#6 BLK	SIGNAL SERVICE	WH	NEU
WH			
G			
	4/C#18 R		
	BLK		
	WH		
	G		
	3/C#14 BLK		
	O/BLK		
	BL/BLK		
	WH/BLK		
	BLK		
	2/C#14 BLK		
	WH OR CLR		
	3/C#14 BLK		
	G		
	WH		
12/C#14 R/BLK	EVP LIGHT	3/C#14 BLK	EVP LIGHT
O/BLK	LUM/FLASHER	G	LUM/FLASHER
BL/BLK		WH	
WH/BLK			
BLK			
2/C#14 BLK			
WH OR CLR			
3/C#20 R OR O		2/C#14 BLK	PED PUSH BUTTON
WH OR YEL		WH OR CLR	(If Required)
BLK/R			
WH/R			

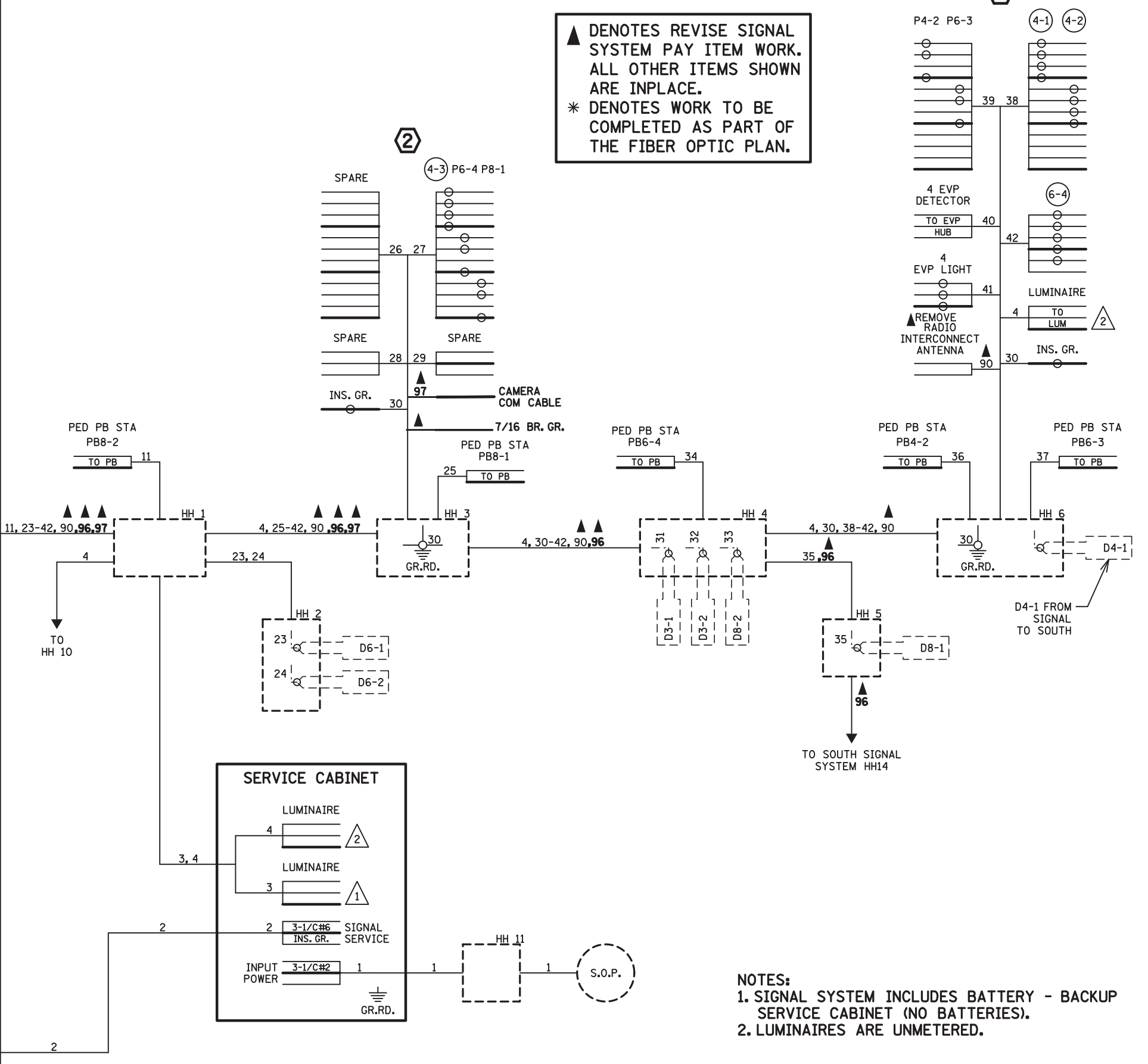
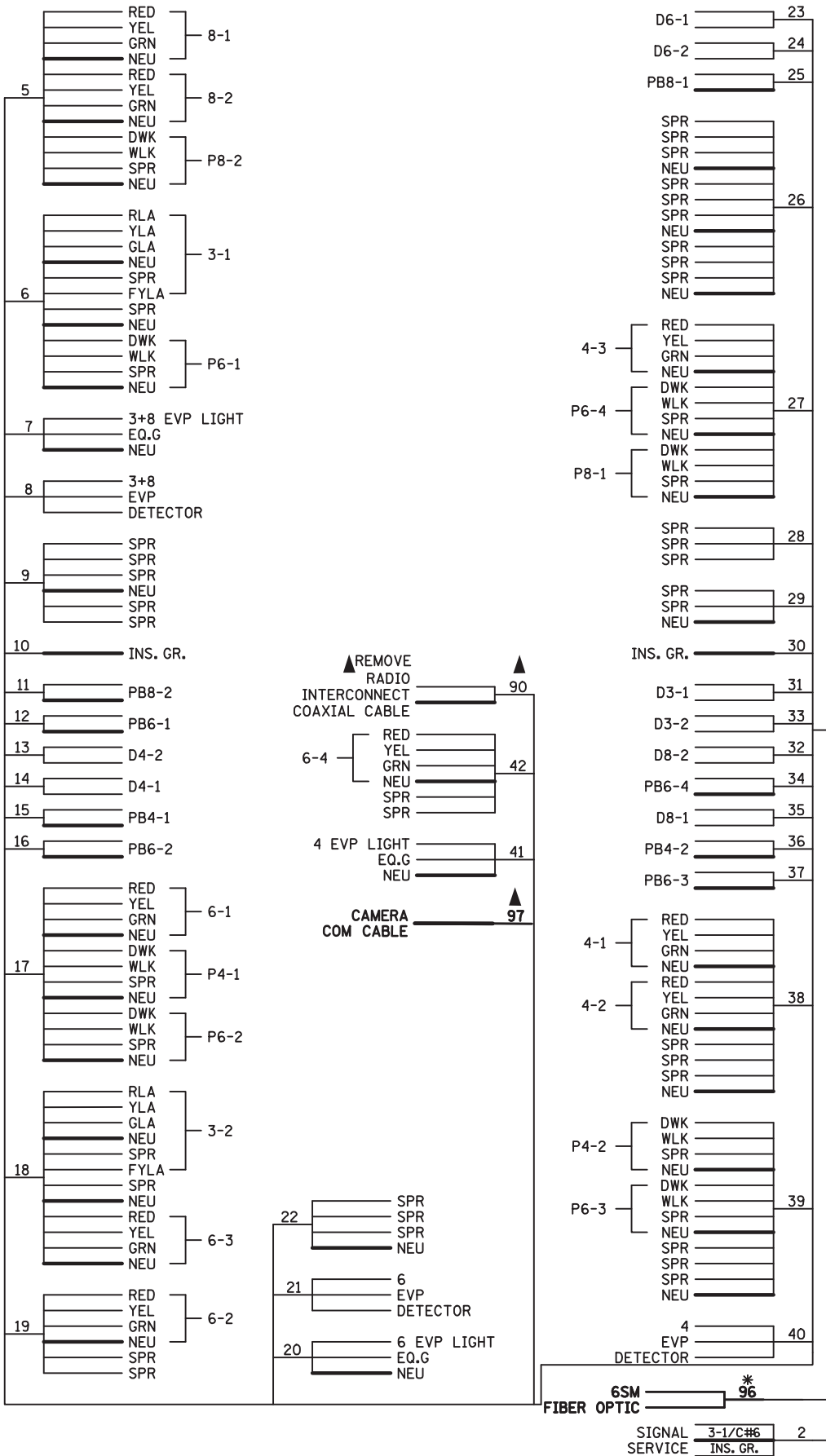
▲ DENOTES REVISE SIGNAL SYSTEM PAY ITEM WORK. ALL OTHER ITEMS SHOWN ARE INPLACE.  
\* DENOTES WORK TO BE COMPLETED AS PART OF THE FIBER OPTIC PLAN.

NOTE: ALL POLE CONNECTIONS SHALL BE ARRANGED AS SPECIFIED ABOVE.

TO TMS PULL VAULT ← \*98 \*98 \*98 GSM FIBER OPTIC  
SIGNAL SERVICE 3-1/C#6 2 INS. GR.

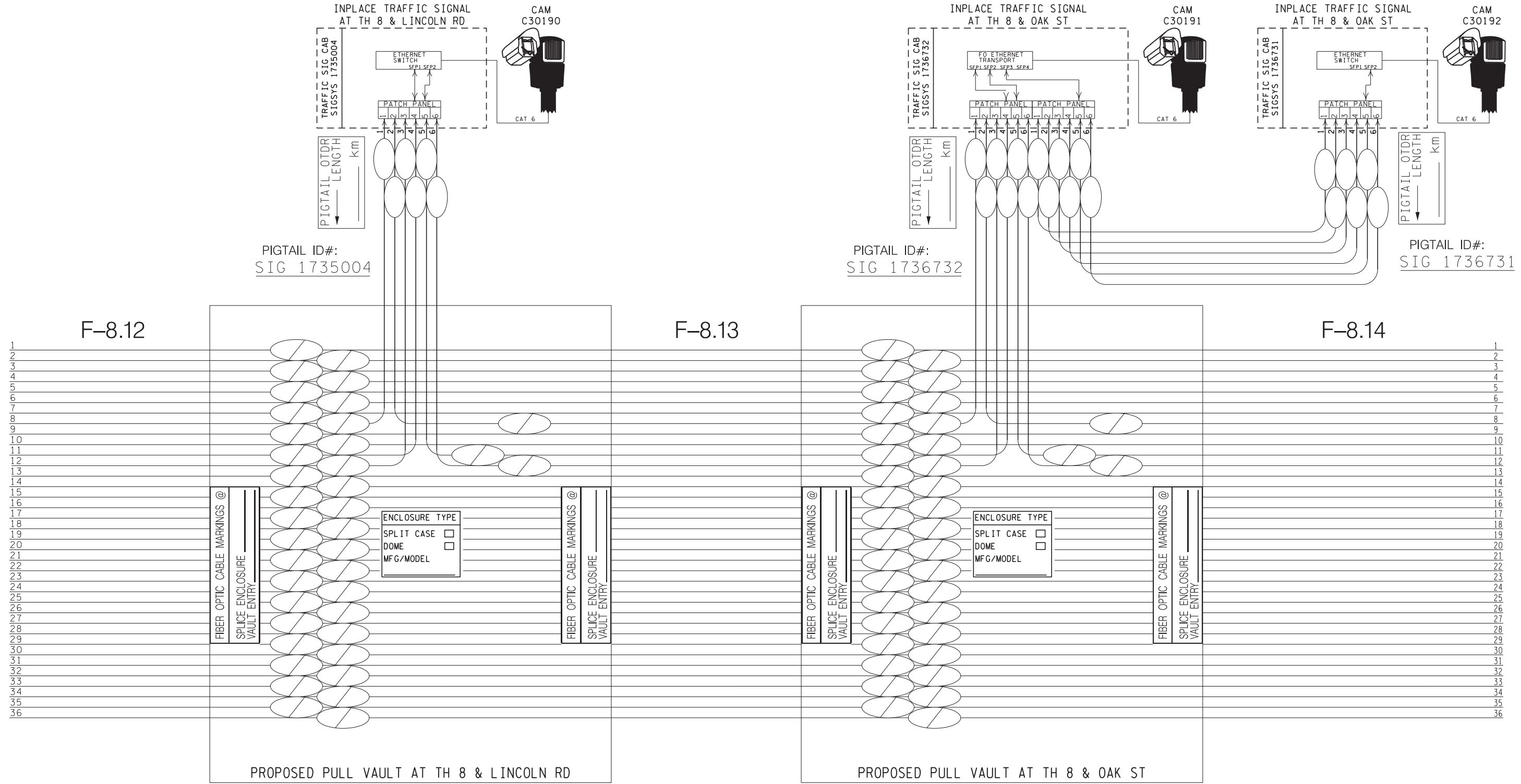
BY	DATE	REVISIONS	SYSTEM ID: 1736732	FIELD WIRING DIAGRAM (1 OF 2)	S.A.P. NO.	DRAWN BY: BAM	CKD BY: GAK	DATE: 4-9-20
			METER ADDRESS: 30601 N. LAKES TRAIL	REVISE SIGNAL SYSTEM I	CERTIFIED BY: <i>Gregory Ken</i>			
			OLD SYSTEM ID: 39095	TH 8 (LAKE BLVD) AT CSAH 20	LICENSED PROFESSIONAL ENGINEER	LIC. NO. 26829		DATE: 4/9/20
				(N.LAKES TRAIL) IN LINDSTROM, CHISAGO CO.	STATE PROJ. NO. 1301-126 (T.H.8)			SHEET NO. SS33 OF SS42 SHEETS

# CONTROLLER CABINET



DISTRICT #: Metro  
 PLOT NAME: WIRE 2\_39095  
 PATH & FILENAME: Projects\DM\_R0S\008\0000\Traffic\Signal\39095 North Ramp CSAH20V\39095\_sgl.dgn  
 PLOTTED/REVISED: 13-APR-2020

BY	DATE	REVISIONS	SYSTEM ID: 1736732	FIELD WIRING DIAGRAM (2 OF 2) REVISE SIGNAL SYSTEM I TH 8 (LAKE BLVD) AT CSAH 20 (N.LAKES TRAIL) IN LINDSTROM, CHISAGO CO.	S.A.P. NO.	DRAWN BY: BAM	CKD BY: GAK	DATE: 4-9-20
			METER ADDRESS: 30601 N. LAKES TRAIL		CERTIFIED BY: <i>Gregory Ken</i>		LIC. NO. 26829	DATE: 4/9/20
			OLD SYSTEM ID: 39095				STATE PROJ. NO. 1301-126 (T.H.8)	SHEET NO. SS34 OF SS42 SHEETS



REV. NO.	DATE: / /
REV. NO.	DATE: / /

CERTIFIED BY *Michael P. Manly* LIC. NO. 43957 APR 9 2020  
 LICENSED PROFESSIONAL ENGINEER

PLOTTED/REVISED: 9/11/2015

DISTRICT #: METRO  
PLOT NAME: layout  
PATH & FILENAME: IP\_PWP-d1447226V39095LW\_sgl.dgn

SIGNAL HEAD CHART				
FACE	R	Y	FYA	G
3-1, 3-2	←	←	←	←
4-1, 4-2, 4-3	○	○		○
6-1, 6-2, 6-3, 6-4	○	○		○
8-1, 8-2	○	○		○

-ALL SIGNAL INDICATIONS ARE 12" LED  
-ALL SIGNAL HEADS ARE BLACK POLYCARBONITE WITH BACKGROUND SHIELDS

LOOP DETECTOR CHART		
NUMBER	SIZE (FT)	LOCATION
D3-1	2-6x6	20 & 50
D3-2	2-6x6	5 & 35
D4-1	6x6	120
D4-2	2-6x6	5 & 20
D6-1, D6-2	6x6	120
D8-1	6x6	120
D8-2	2-6x6	5 & 20

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

④ WB STA 490+76.85, 37.83' LT  
PA90 POLE FOUNDATION  
TYPE PA90-A-30  
2-SWING AWAY HINGES  
1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'  
1-STRAIGHT MOUNT SIGNAL OVERHEAD AT 11'  
2-ANGLE MOUNT SIGNALS AT 180 AND 270 DEG  
2-ANGLE MOUNT C.D. PED HEADS  
AT 180 AND 270 DEG  
ONE-WAY EVP DETECTOR AND  
CONFIRMATORY LIGHT (PHASE 6)  
1-TYPE D SIGN  
1-R6-1R SIGN (ONE WAY)  
1-R6-1L SIGN (ONE WAY)  
3" PVC TO HH 7:  
2-12/C #14  
1-6/C #14  
1-3/C #14  
1-4/C #18  
1-3/C #20  
1-1/C #6 INS. GR.

PED PB STATION  
1-APS PB AND SIGN  
(RT ARROW) (PB6-2)  
EXTEND INTO HH 7:  
2" PVC  
1-2/C #14

PED PB STATION  
1-APS PB AND SIGN  
(LT ARROW) (PB4-1)  
EXTEND INTO HH 7:  
2" PVC  
1-2/C #14

3" PVC  
2-12/C #14  
1-6/C #14  
1-3/C #14  
2-2/C #14  
1-4/C #18  
1-3/C #20  
1-1/C #6 INS. GR.

① WB STA 491+62.24, 52.18' LT  
PA90 POLE FOUNDATION  
TYPE PA90-A-35-D40-9 (DAVIT AT 350 DEG)  
1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'  
1-STRAIGHT MOUNT SIGNAL OVERHEAD AT 11'  
2-ANGLE MOUNT C.D. PED HEADS  
AT 90 AND 270 DEG  
ONE-WAY EVP DETECTOR AND  
CONFIRMATORY LIGHT (PHASES 3+8)  
LUMINAIRE-250W HPS  
1-R10-X12 SIGN ADJACENT TO HEAD 3-1  
1-TYPE D SIGN  
3" PVC TO HH 10:  
2-12/C #14  
1-6/C #14  
1-3/C #14  
1-3/C #14 (LUM)  
1-3/C #20  
1-1/C #6 INS. GR.

PED PB STATION  
1-APS PB AND SIGN  
(LT ARROW) (PB6-1)  
EXTEND INTO HH 10:  
2" PVC  
1-2/C #14

PED PB STATION  
1-APS PB AND SIGN  
(RT ARROW) (PB8-2)  
EXTEND INTO HH 1:  
2" PVC  
1-2/C #14

PED PB STATION  
1-APS PB AND SIGN  
(LT ARROW) (PB8-1)  
EXTEND INTO HH 3:  
2" PVC  
1-2/C #14

PED PB STATION  
1-APS PB AND SIGN  
(RT ARROW) (PB4-2)  
EXTEND INTO HH 6:  
2" PVC  
1-2/C #14

PED PB STATION  
1-APS PB AND SIGN  
(LT ARROW) (PB6-3)  
EXTEND INTO HH 6:  
2" PVC  
1-2/C #14

HH 4 TO HH 6:  
4" PVC  
2-12/C #14  
1-6/C #14  
1-3/C #14  
1-3/C #14 (LUM)  
2-2/C #14  
1-3/C #20  
1-1/C #6 INS. GR.  
1-RADIO COAXIAL CABLE

HH 3 TO HH 4:  
4" PVC  
2-12/C #14  
1-6/C #14  
1-3/C #14  
1-3/C #14 (LUM)  
7-2/C #14  
1-3/C #20  
1-1/C #6 INS. GR.  
1-RADIO COAXIAL CABLE

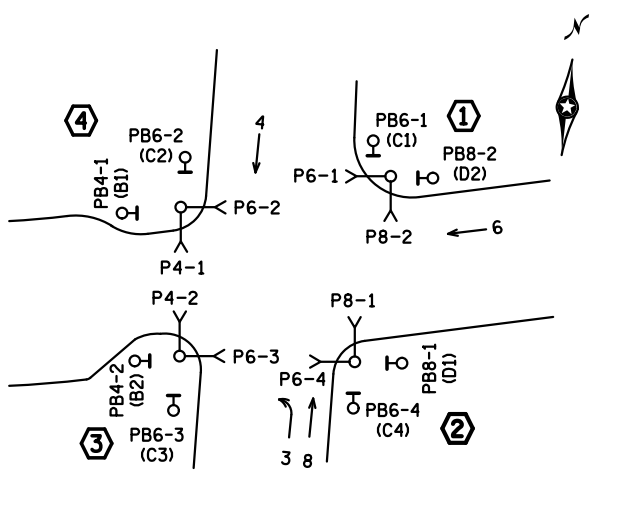
PED PB STATION  
1-APS PB AND SIGN  
(RT ARROW) (PB6-4)  
EXTEND INTO HH 4:  
2" PVC  
1-2/C #14

② WB STA 491+45.49, 24.34' RT  
PA85 POLE FOUNDATION  
TYPE PA85-A-0  
1-ANGLE MOUNT SIGNAL AT 90'  
2-ANGLE MOUNT C.D. PED HEADS  
AT 90 AND 180 DEG  
1-R6-1R SIGN (ONE WAY)  
1-R6-1L SIGN (ONE WAY)  
3" PVC TO HH 3:  
2-12/C #14  
1-3/C #14  
1-3/C #20  
1-1/C #6 INS. GR.

① EQUIPMENT PAD  
SERVICE CABINET  
MASTER CONTROLLER  
CONTROLLER AND CABINET  
4" PVC TO HH 1:  
4" PVC TO HH 10:  
4-12/C #14  
4-12/C #14  
1-6/C #14  
2-6/C #14  
2-3/C #14  
11-2/C #14  
5-2/C #14  
2-3/C #20  
1-4/C #18  
1-1/C #6 INS. GR.  
2-3/C #20  
1-RADIO COAXIAL CABLE  
1-1/C #6 INS. GR.

2" PVC TO SERVICE CABINET:  
2-1/C #6  
1-1/C #6 INS. GR.  
2" PVC TO SERVICE CABINET:  
(SPARE COMMS)  
SERVICE CABINET TO HH 11:  
2" PVC  
3-1/C #2  
SERVICE CABINET TO HH 1:  
2" PVC  
2-3/C #14 (LUM)  
HH 1 TO HH 10:  
2" PVC  
1-3/C #14 (LUM)

**CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS**



PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED AS SHOWN ABOVE

**SIGNAL SYSTEM OPERATION**

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 4 PHASE, WITH PHASE 3 BEING A FLASHING YELLOW ARROW BY TIME OF DAY.
- PHASE 2 SHALL BE ON VEHICLE RECALL.

BY	DATE	REVISIONS
GDS	09-01-15	AS BUILT OF SP 1301-98

SYSTEM ID: 39095 T.E.  
METER ADDRESS: 30601 NORTH LAKES TRAIL  
MASTER ID: T.E.

**INTERSECTION LAYOUT**  
**TRAFFIC CONTROL SIGNAL SYSTEM**  
**T.H. 8 (LAKE BLVD.) AT C.S.A.H. 20**  
**(N. LAKES TRAIL) IN LINDSTROM, CHISAGO CO.**

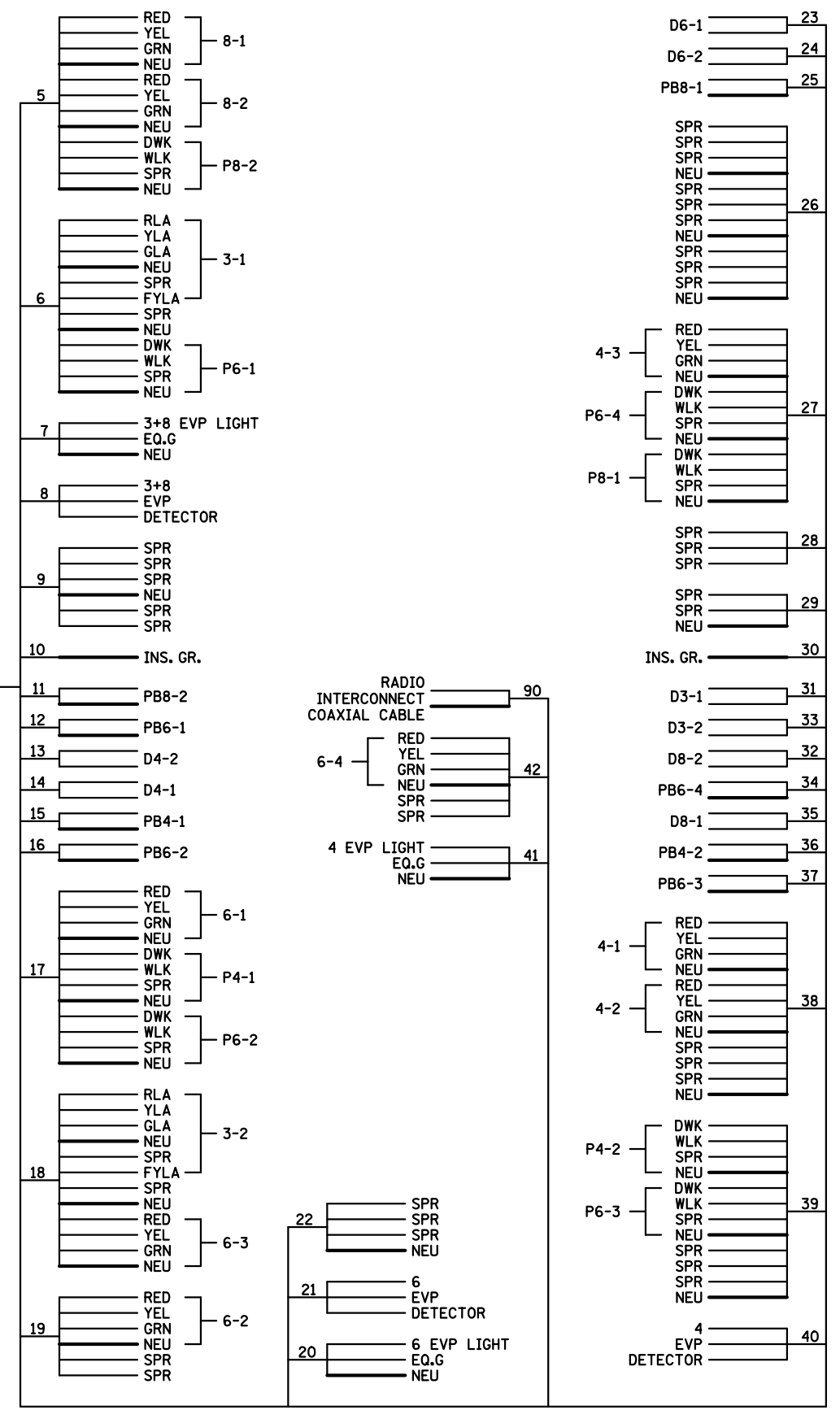
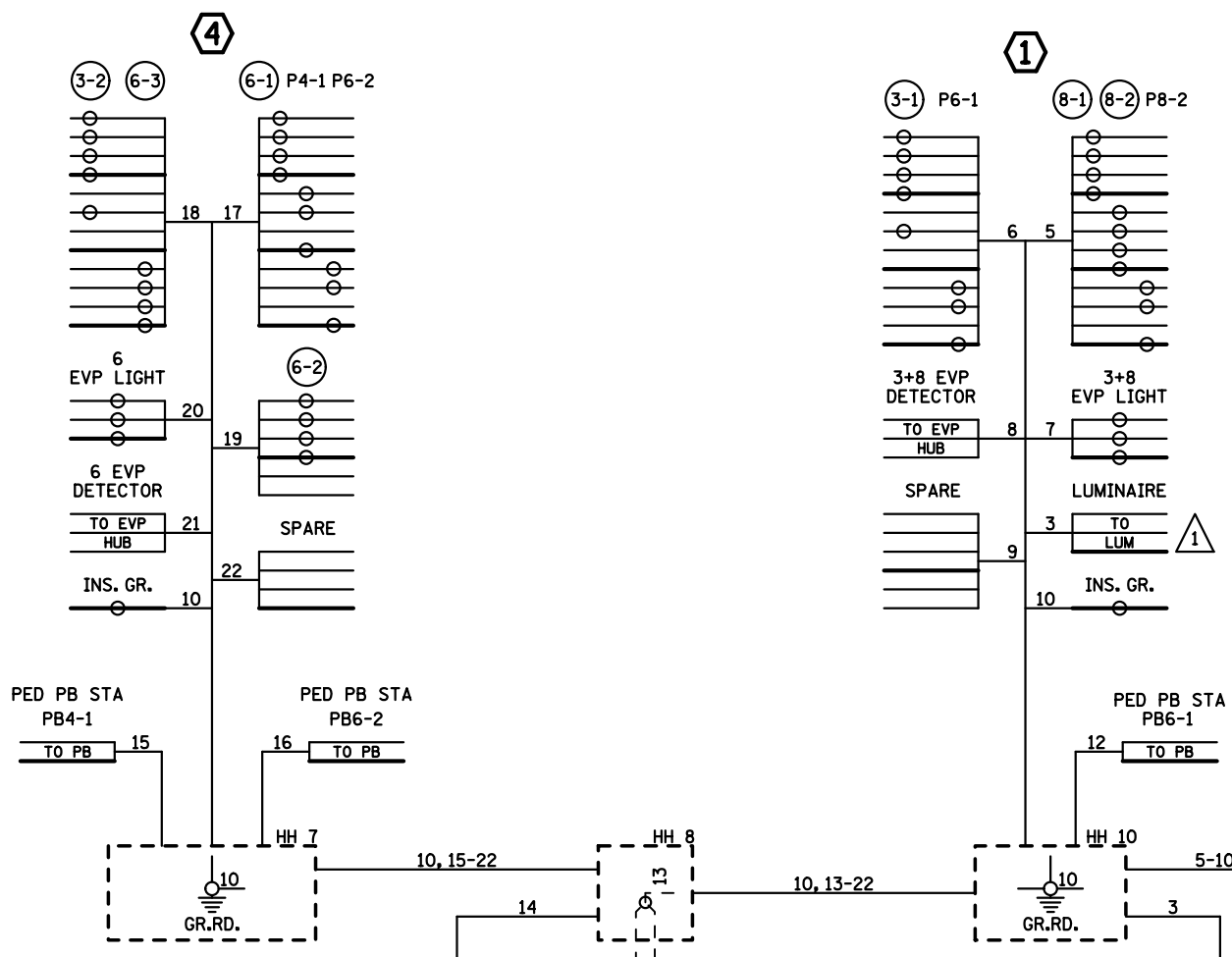
S.A.P. NO. \_\_\_\_\_  
CERTIFIED BY \_\_\_\_\_  
STATE PROJ. NO. (T.H.8)

DRAWN BY: \_\_\_\_\_ CKD BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
LIC. NO. \_\_\_\_\_ DATE: \_\_\_\_\_  
SHEET NO. 1 OF 3 SHEETS

PLOTTED/REVISED: 9/11/2015

DISTRICT #: METRO  
IPLOT NAME: wiring 1  
PATH & FILENAME: IP\_PWP-d147226v739095LW\_sgl.dgn

# CONTROLLER CABINET

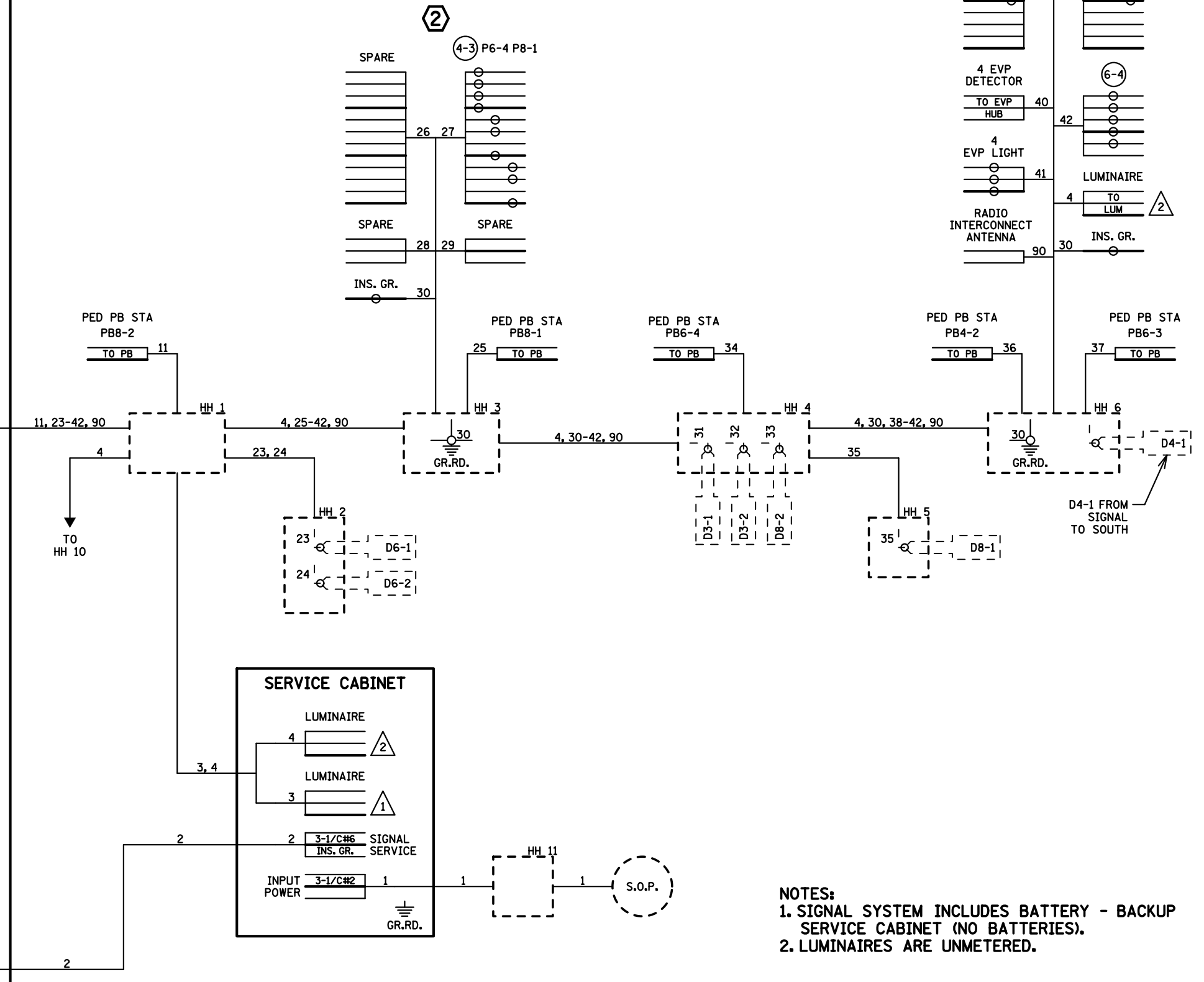
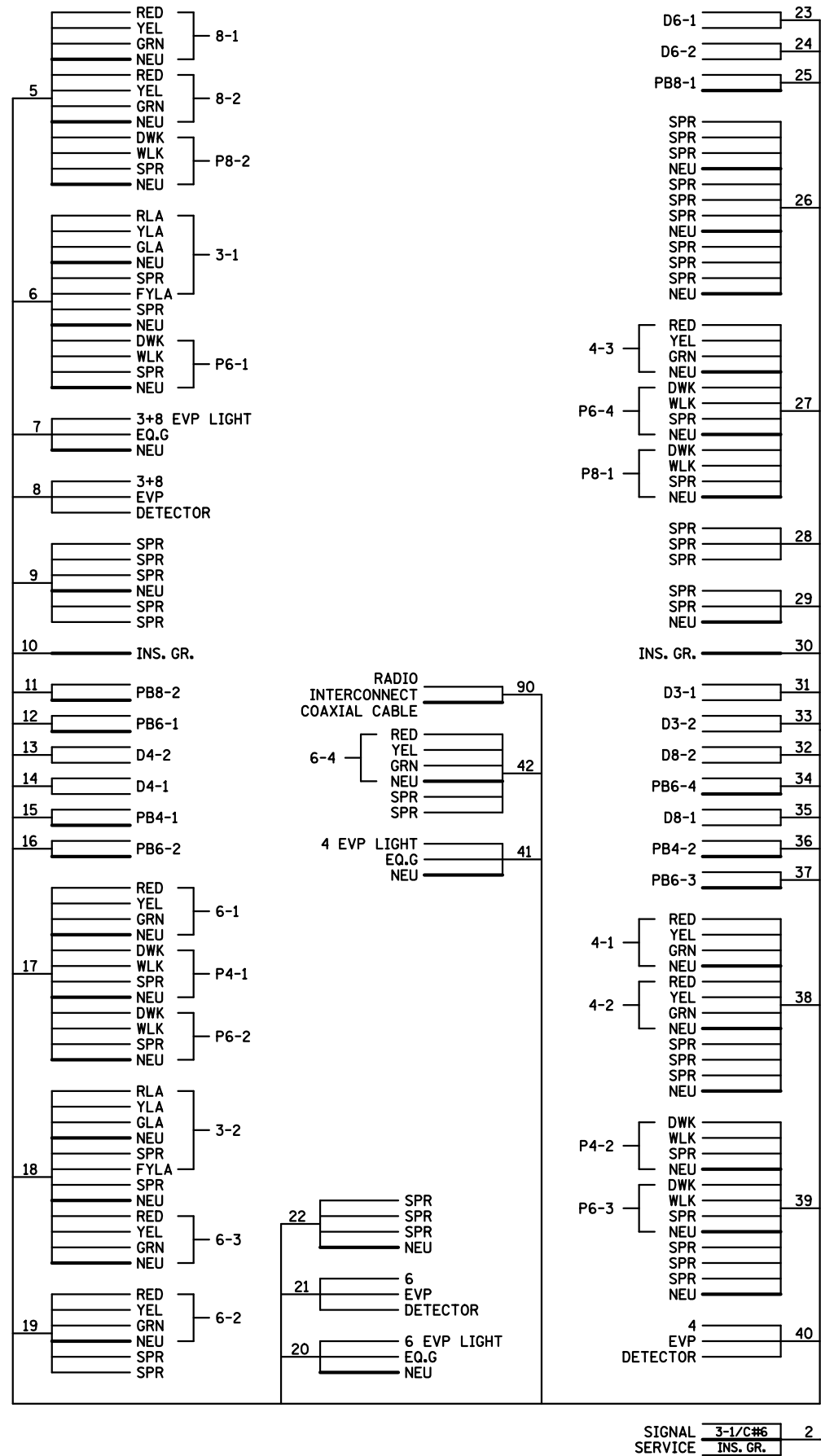


CONDUCTOR COLOR CODE (14 GAUGE)			
TO SIGNAL CABINET		TO DEVICE	
1/C#6 G	R	R	RED
6PR#19	O	O	YEL
COAXIAL CABLE	6/C#14 BL	6/C#14 BL	GRN
	6/C#14 WH	6/C#14 WH	NEU
COAXIAL CABLE	6/C#14 BLK/R	6/C#14 BLK/R	YLTA
	6/C#14 BLK	6/C#14 BLK	GLTA
3-1/C#2 INPUT POWER	4/C#14 R	4/C#14 R	RED/DWK
	4/C#14 BLK/R	4/C#14 BLK/R	YEL/WLK
3-1/C#6 SIGNAL SERVICE	4/C#14 BLK	4/C#14 BLK	GRN/SPR
	4/C#14 WH	4/C#14 WH	NEU
12/C#14	4/C#18 R	3/C#14 BLK	EVP LIGHT
	4/C#18 O	3/C#14 WH	LUM/FLASHER
12/C#14	4/C#18 BL	2/C#14 BLK	PED PUSH BUTTON (If Required)
	12/C#14 WH	2/C#14 WH OR CLR	
12/C#14	3/C#14 R/BLK	2/C#14 WH OR CLR	
	3/C#14 O/BLK	3/C#20 R OR O	
12/C#14	3/C#14 BL/BLK	3/C#20 WH OR YEL	
	12/C#14 WH/BLK	3/C#20 BLK OR BL	
12/C#14	2/C#14 BLK		
	2/C#14 WH/BLK		
12/C#14	2/C#14 BLK/WH		
	2/C#14 BLK/R		
12/C#14	2/C#14 WH/R		

NOTE: ALL POLE CONNECTIONS SHALL BE ARRANGED AS SPECIFIED ABOVE.

# CONTROLLER CABINET

PLOTTED/REVISED: 9/11/2015



**NOTES:**  
 1. SIGNAL SYSTEM INCLUDES BATTERY - BACKUP SERVICE CABINET (NO BATTERIES).  
 2. LUMINAIRE ARE UNMETERED.

DISTRICT #: METRO  
 IPLOT NAME: wiring 2  
 PATH & FILENAME: IP\_PWP-d147226v739095LW\_sq.dgn

BY	DATE	REVISIONS	SYSTEM ID: 39095	T.E.	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
GDS	09-01-15	AS BUILT OF SP 1301-98	METER ADDRESS: 30601 NORTH LAKES TRAIL		CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
			MASTER ID:	T.E.	STATE PROJ. NO.	(T.H.8)	SHEET NO. 3 OF 3 SHEETS	
			FIELD WIRING DIAGRAM (2 OF 2) TRAFFIC CONTROL SIGNAL SYSTEM T.H. 8 (LAKE BLVD.) AT C.S.A.H. 20 (N. LAKES TRAIL) IN LINDSTROM, CHISAGO CO.					