

LOOP DETECTOR CHART

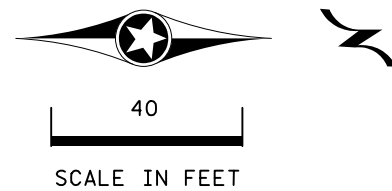
NUMBER	SIZE (FT)	LOCATION
D1-1, D5-1	2-6x6	20 & 50
D1-2, D5-2	2-6x6	5 & 35
D2-1, D2-2	6x6	250
D3-1	2-6x6	20 & 50
D3-2	2-6x6	5 & 35
D4-1	6x6	120
D8-2, D8-3	2-6x6	5 & 20
D4-2, D4-3	6x6	5 & 20
D6-1, D6-2	6x6	250
D8-1	6x6	125
D7-1	6x6	20 & 50
D7-2	6x6	5 & 35

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

SIGNAL HEAD CHART

FACE	R	Y	FYA	G
1-1, 1-2	◁	◁	◁	◁
2-1, 2-2, 2-3	○	○	○	○
4-1, 4-2	○	○		○
3-1, 3-2	◁	◁	◁	◁
5-1, 5-2	◁	◁	◁	◁
6-1, 6-2, 6-3	○	○	○	○
7-1, 7-2	◁	◁	◁	◁
8-1, 8-2	○	○	○	○

-ALL SIGNAL INDICATIONS ARE 12" LED
 -ALL SIGNAL HEADS ARE BLACK POLYCARBONITE WITH BACKGROUND SHIELDS
 -FYA DENOTES FLASHING YELLOW ARROW



2-4" PVC
 2-12/C #14
 1-6/C #14
 1-4/C #14
 1-3/C #14
 1-CAT5E (COMM)
 1-3/C #14 (SIGN)
 1-3/C #14 (LUM)
 8-2/C #14
 1-3/C #20
 1-COAXIAL CABLE (EMTRAC)
 1-1/C #6 INS. GR.

2-4" PVC
 2-12/C #14
 1-6/C #14
 1-4/C #14
 1-3/C #14
 1-CAT5E (COMM)
 1-3/C #14 (SIGN)
 1-3/C #14 (LUM)
 8-2/C #14
 1-3/C #20
 1-COAXIAL CABLE (EMTRAC)
 1-1/C #6 INS. GR.

PED PB STATION
 1-APS PB AND SIGN (LT ARROW) (PB6-1)
 EXTEND INTO HH 13:
 2" PVC
 1-2/C #14

1 1/4" PVC
 1-FO CABLE (6SM)

1 1/4" PVC
 1-FO CABLE (36SM)

2" PVC
 2-2/C #14

2-4" PVC
 4-12/C #14
 2-6/C #14
 2-4/C #14
 2-3/C #14
 2-3/C #14 (SIGN)
 2-3/C #14 (LUM)
 11-2/C #14
 3-3/C #20
 1-1/C #6 INS. GR.

2-4" PVC
 4-12/C #14
 2-6/C #14
 2-4/C #14
 2-3/C #14
 2-3/C #14 (SIGN)
 2-3/C #14 (LUM)
 9-2/C #14
 3-3/C #20
 1-1/C #6 INS. GR.

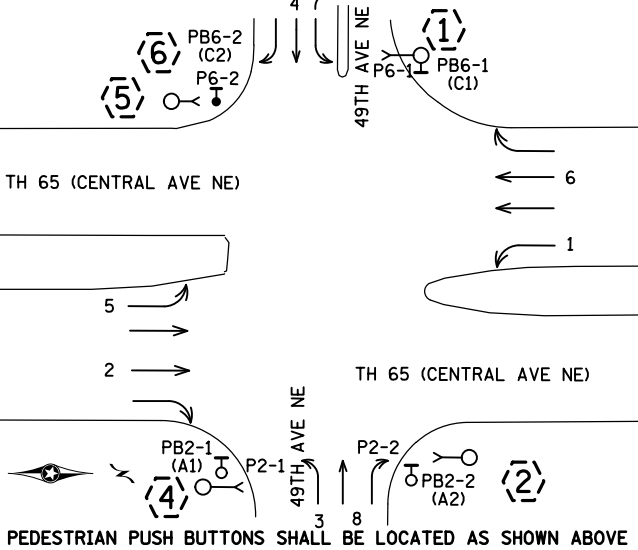
2" PVC
 2-2/C #14
 PED PB STATION
 1-APS PB AND SIGN (LT ARROW) (PB2-1)
 EXTEND INTO HH 7:
 2" PVC
 1-2/C #14

4" PVC
 2-12/C #14
 1-6/C #14
 1-4/C #14
 1-3/C #14
 1-3/C #14 (SIGN)
 1-3/C #14 (LUM)
 3-2/C #14
 1-3/C #20
 1-1/C #6 INS. GR.

PED PB STATION
 1-APS PB AND SIGN (RT ARROW) (PB2-2)
 EXTEND INTO HH 5:
 2" PVC
 1-2/C #14

2" PVC
 1-2/C #14
 1-3/C #20

CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS



SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 8 PHASE, WITH PHASES 1, 3, 5, AND 7 BEING FLASHING YELLOW ARROWS BY TIME OF DAY.
- PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.

BY	DATE	REVISIONS
SJK	5/10/23	PTZ CAMERA UPGRADE SP 8825-890

SYSTEM ID: 21153 **ID 1735527** T.E. 5640
 METER ADDRESS: TH 65 AND 49TH SE QUAD
 MASTER ID: T.E.

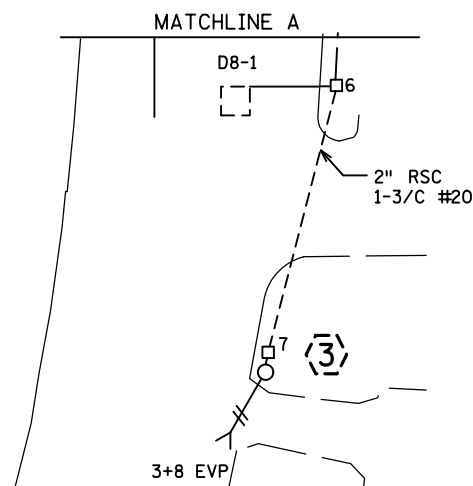
INTERSECTION LAYOUT
T.H. 65 (CENTRAL AVE NE) AT
49TH AVE NE (CSAH 4)
IN COLUMBIA HEIGHTS, ANOKA COUNTY

S.A.P. NO. 113-020-005	DRAWN BY:JV	CKD BY:CDB	DATE:1/30/201
CERTIFIED BY _____	LIC. NO. 19863	DATE: 08/02/12	
STATE PROJ.NO. (T.H.65)	SHEET NO. 1	OF 4	SHEETS

PLOTTED/REVISED: 10-MAY-2023

DISTRICT #: Metro
 IPLOT NAME: layout
 PATH & FILENAME: Projects\DM_POS\065\0000\Traffic\Signal\7.22.21\53_49TH_AVE_NE_1735527\1735527.dgn

MATCHLINE



POLE NOTES

(5)

PA100 POLE FOUNDATION
 TYPE PA100-A-55-X6-350/CAM 400 (AT 350 DEG)
 1-PTZ CAMERA (C1479)
 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 2-STRAIGHT MOUNT SIGNAL OVERHEAD AT 11' AND 23'
 2-ANGLE MOUNT SIGNALS AT 90 AND 180 DEG
 1-ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASES 1+6)
 LUMINAIRE-250W HPS
 1-EMTRAC DETECTOR ANTENNA FOR METRO
 TRANSIT BUS TRACKING (POLE MOUNTED)
 1-R10-X12 SIGN ADJACENT TO HEAD (1-1)
 1-INTERNALLY LIT LED SIGN (D-2)
 3" PVC TO HH 11:
 2-12/C #14
 1-6/C #14
 1-3/C #14
 1-CAT5E (COMM)
 1-3/C #14 (SIGN)
 1-3/C #14 (LUM)
 1-3/C #20
 1-COAXIAL CABLE (EMTRAC) (BACK TO THE SIGNAL CABINET)
 1-7/16" GROUNDING BRAID (FROM LIGHTNING ROD TO GROUND ROD)
 1-1/C #6 INS. GR.

(6)

PEDESTAL FOUNDATION
 TYPE 4A
 9' PEDESTAL POLE AND BASE (8' POLE PLUS BASE)
 1-C.D. PED HEAD
 1-APS PB AND SIGN (RT ARROW) (PB6-2)
 3" PVC TO HH 11:
 1-4/C #14
 1-2/C #14
 1-1/C #6 INS. GR.

(1)

PA90 POLE FOUNDATION
 TYPE PA90-A-40
 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 1-STRAIGHT MOUNT SIGNAL OVERHEAD
 AT 11'
 2-ANGLE MOUNT SIGNALS AT 90 AND 180 DEG
 1-ANGLE MOUNT C.D. PED HEAD 180 DEG
 1-APS PB AND SIGN (LF ARROW) (PB6-1)
 WHITH POLE MOUNT ADAPTOR
 1-ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASES 3+8)
 1-R10-X12 SIGN ADJACENT TO HEAD (3-1)
 1-INTERNALLY LIT LED SIGN (D-1) (SEE SIGN DETAILS)
 3" PVC TO HH 14:
 2-12/C #14
 1-6/C #14
 1-4/C #14
 1-3/C #14
 1-3/C #14 (SIGN)
 1-3/C #20
 1-1/C #6 INS. GR.
 1-2/C #14

(A)

EQUIPMENT PAD
 SERVICE CABINET (SSB)
 SIGNAL CABINET AND CONTROLLER
 2-4" PVC TO HH 14: 2-4" PVC TO HH 1:
 4-12/C #14 4-12/C #14
 2-6/C #14 2-6/C #14
 2-4/C #14 2-4/C #14
 2-3/C #14 2-3/C #14
 1-CAT5E (COMM) 13-2/C #14
 9-2/C #14 3-3/C #20
 2-3/C #20 1-1/C #6 INS. GR.
 1-COAXIAL CABLE (EMTRAC)
 1-1/C #6 INS. GR.

2-2" AND 1-3" PVC STUBBED OUT (CAPPED BOTH ENDS)
 3/4" PVC STUBBED OUT (FOR TELEPHONE LINE)
 1-2" PVC

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

CONTROLLER CABINET TO SERVICE CABINET (COMMS):
 2" PVC
 1-6PR #19

SERVICE CABINET TO POLE MOUNTED TRANSFORMER:
 2" PVC
 3-1/C #2

SERVICE CABINET TO HH 14:
 2" PVC
 3-3/C #14 (LUM)
 4-3/C #14 (SIGN)

HH 14 TO HH 1:
 2" PVC
 2-3/C #14 (LUM)
 2-3/C #14 (SIGN)

CONTROLLER CABINET TO TMS PULL VAULT:
 1-1/4" PVC
 1-FO PATCH/PIGTAIL (6SM)

(B)

INPLACE SOP
 WOOD POLE
 EXTEND INTO HH 15:
 2" PVC AND WEATHERHEAD
 WITH 3-1/C #2

(4)

PA100 POLE FOUNDATION
 TYPE PA100-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 SIGNALS AT 90 AND 180 DEG
 1-ANGLE MOUNT C.D. PED HEAD
 AT 90
 1-ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASES 4+7)
 LUMINAIRE-250W HPS
 1-R10-X12 SIGN ADJACENT TO HEAD (7-1)
 1-INTERNALLY LIT LED SIGN (D-1) (SEE SIGN DETAILS)
 3" PVC TO HH 8:
 2-12/C #14
 1-6/C #14
 1-4/C #14
 1-3/C #14
 1-3/C #14 (SIGN)
 1-3/C #14 (LUM)
 1-3/C #20
 1-1/C #6 INS. GR.

(3)

WOOD POLE
 1-ONE WAY EVP DETECTOR (PHASE 3+8)
 2" RSC HH 7:
 1-3/C #20

(2)

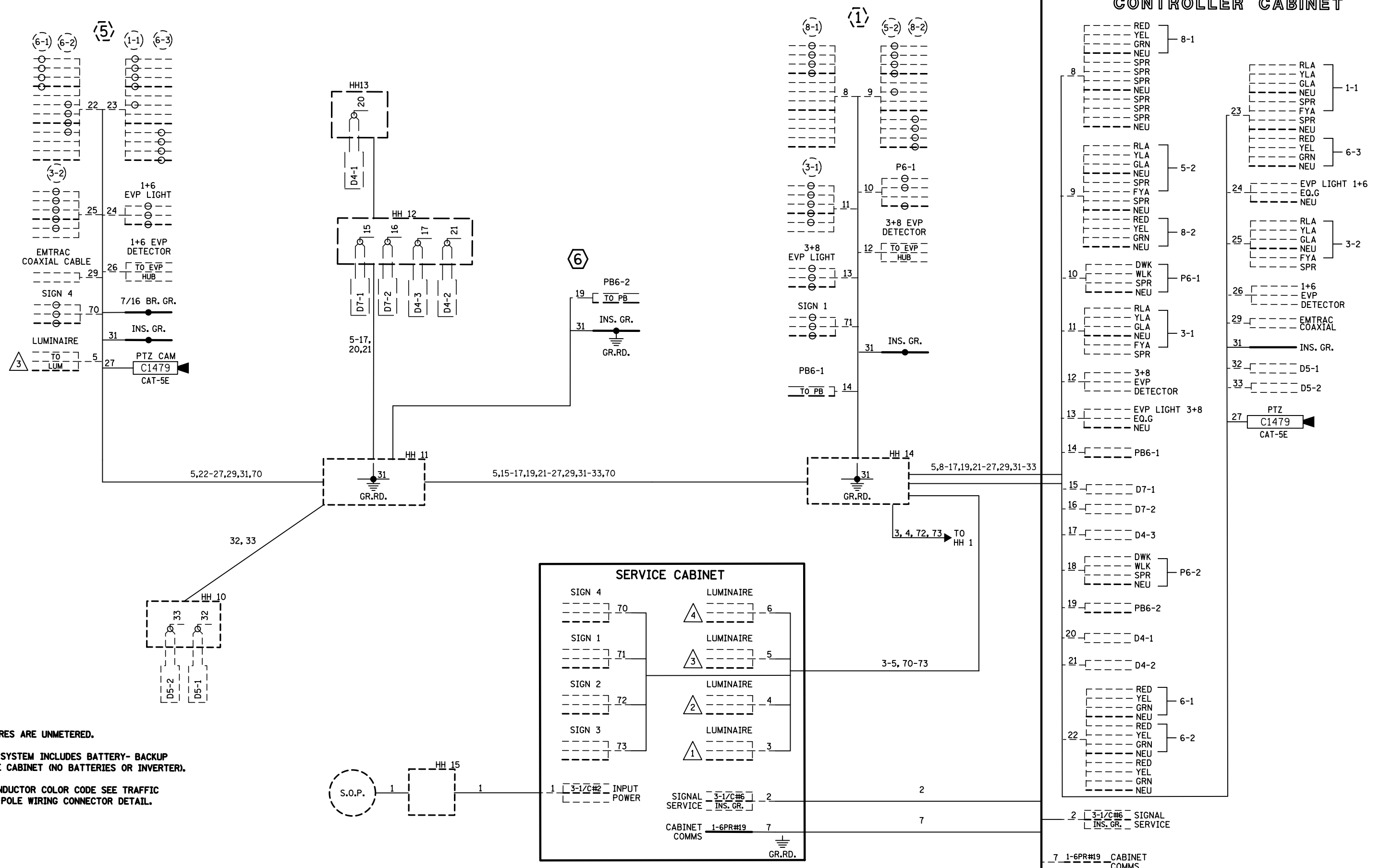
PA100 POLE FOUNDATION
 TYPE PA100-A-50-40D-9 (DAVIT AT 350 DEG)
 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 2-STRAIGHT MOUNT SIGNAL OVERHEAD AT 11' AND 23'
 2-ANGLE MOUNT SIGNALS AT 90 AND 180 DEG
 1-ANGLE MOUNT C.D. PED HEAD
 AT 180 DEG
 1-ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASES 2+5)
 LUMINAIRE-250W HPS
 1-R10-X12 SIGN ADJACENT TO HEAD (5-1)
 1-INTERNALLY LIT LED SIGN (D-2)
 3" PVC TO HH 4:
 2-12/C #14
 1-6/C #14
 1-4/C #14
 1-3/C #14
 1-3/C #14 (SIGN)
 1-3/C #14 (LUM)
 1-3/C #20
 1-1/C #6 INS. GR.

DISTRICT #: Metro
 PLOT NAME: pole notes
 PATH & FILENAME: Projects\DM_POS\065\0000\Traffic\Signal\7.22.21\53_49TH_AVE_NE_1735527\1735527.dgn
 PLOTTED/REVISED: 10-MAY-2023

BY	DATE	REVISIONS	SYSTEM ID: 21153 ID 1735527 T.E. 5640	MATCHLINE & POLE NOTES T.H. 65 (CENTRAL AVE NE) AT 49TH AVE NE (CSAH 4) IN COLUMBIA HEIGHTS, ANOKA COUNTY	S.A.P. NO. 113-020-005	DRAWN BY:JV	CKD BY:CDB	DATE:07/23/12
SJK	5/10/23	PTZ CAMERA UPGRADE	METER ADDRESS: TH 65 AND 49TH SE QUAD		CERTIFIED BY _____ LIC. NO. 19863 DATE: 08/02/12	STATE PROJ.NO. (T.H.65) SHEET NO. 2 OF 4 SHEETS		
			MASTER ID: N/A T.E.					

PLOTTED/REVISED: 10-MAY-2023

DISTRICT #: Metro
 IPLOT NAME: wire 1
 PATH & FILENAME: Projects\DM_POS\065\0000\Traffic\Signal\7.22.21\53_49TH_AVE_NE_1735527\1735527.dgn



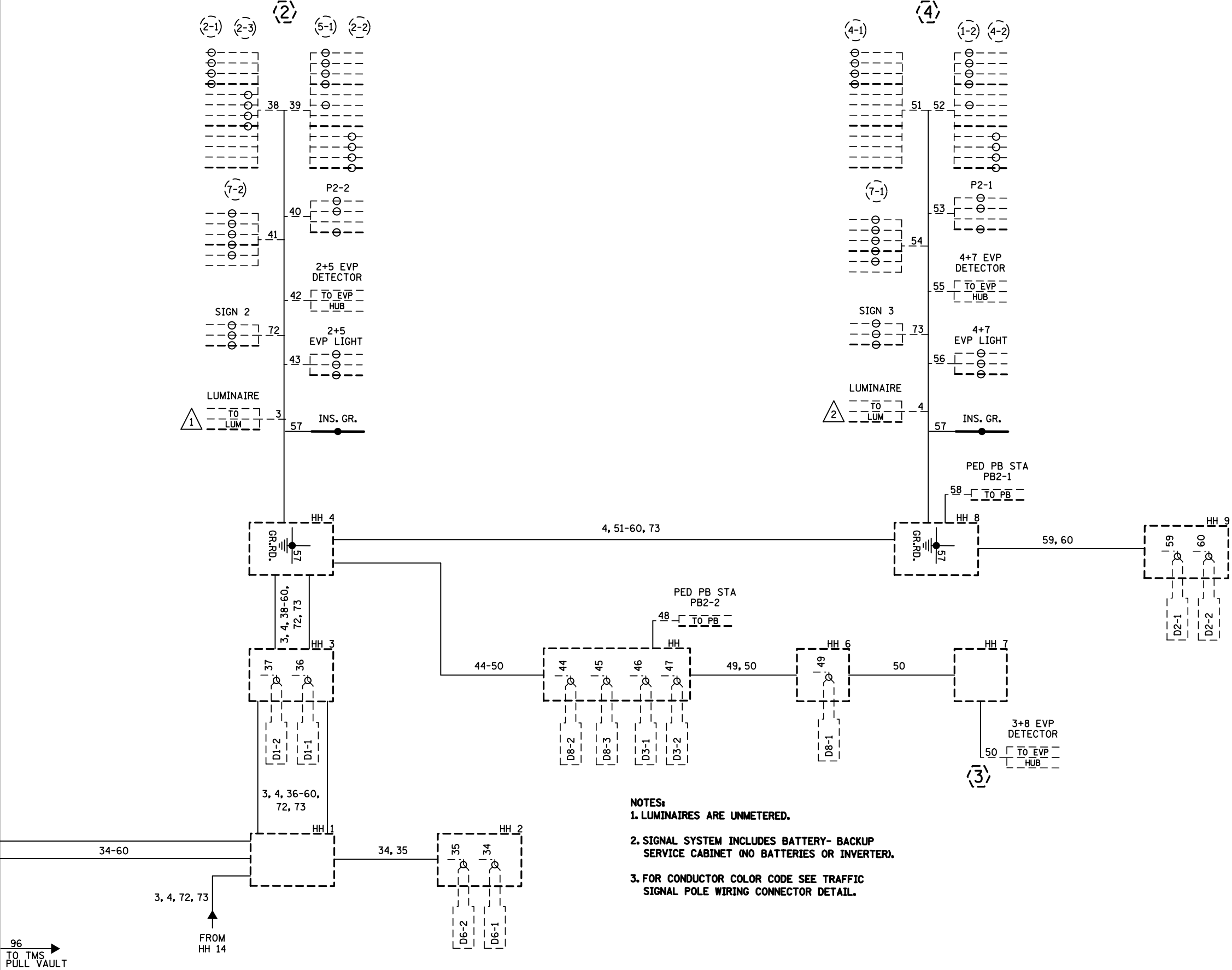
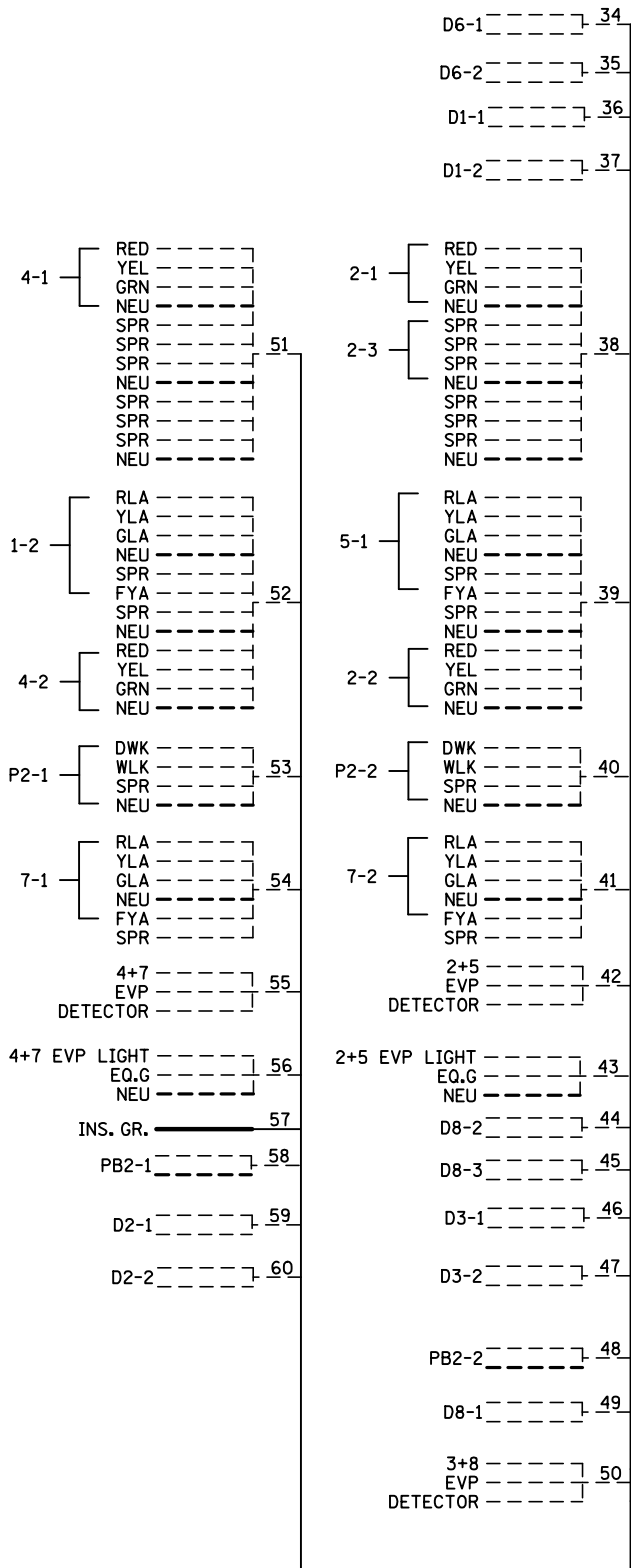
- NOTES:**
- LUMINAIRES ARE UNMETERED.
 - SIGNAL SYSTEM INCLUDES BATTERY- BACKUP SERVICE CABINET (NO BATTERIES OR INVERTER).
 - FOR CONDUCTOR COLOR CODE SEE TRAFFIC SIGNAL POLE WIRING CONNECTOR DETAIL.

BY	DATE	REVISIONS	SYSTEM ID: 21153 ID 1735527 T.E. 5640	FIELD WIRING DIAGRAM (1 OF 2) T.H. 65 (CENTRAL AVE NE) AT 49TH AVE NE (CSAH 4) IN COLUMBIA HEIGHTS, ANOKA COUNTY	S.A.P. NO. 113-020-005	DRAWN BY:JV	CKD BY:CDB	DATE:07/23/12
SJK	5/10/23	PTZ CAMERA UPGRADE	METER ADDRESS: TH 65 AND 49TH SE QUAD		CERTIFIED BY _____ LIC. NO. 19863 DATE: 08/02/12			
			MASTER ID: N/A T.E.		STATE PROJ.NO. (T.H.65)	SHEET NO.	3 OF	4 SHEETS

CONTROLLER CABINET

PLOTTED/REVISED: 10-MAY-2023

DISTRICT #: Metro
 IPLOT NAME: wire 2
 PATH & FILENAME: Projects\DM_POS\065\0000\Traffic\Signal\7.22.21\53_49TH_AVE_NE_1735527\1735527.dgn



- NOTES:**
- LUMINAIRES ARE UNMETERED.
 - SIGNAL SYSTEM INCLUDES BATTERY- BACKUP SERVICE CABINET (NO BATTERIES OR INVERTER).
 - FOR CONDUCTOR COLOR CODE SEE TRAFFIC SIGNAL POLE WIRING CONNECTOR DETAIL.

BY	DATE	REVISIONS	SYSTEM ID: 21153 ID 1735527 T.E. 5640	FIELD WIRING DIAGRAM (2 OF 2) T.H. 65 (CENTRAL AVE NE) AT 49TH AVE NE (CSAH 4) IN COLUMBIA HEIGHTS, ANOKA COUNTY	S.A.P. NO. 113-020-005	DRAWN BY:JV	CKD BY:CDB	DATE:07/23/12
SJK	5/10/23	PTZ CAMERA UPGRADE	METER ADDRESS: TH 65 AND 49TH SE QUAD		CERTIFIED BY _____ LIC. NO. 19863 DATE: 08/02/12			
			MASTER ID: N/A T.E.		STATE PROJ.NO. (T.H.65)			
								SHEET NO. 4 OF 4 SHEETS

LOOP DETECTOR CHART

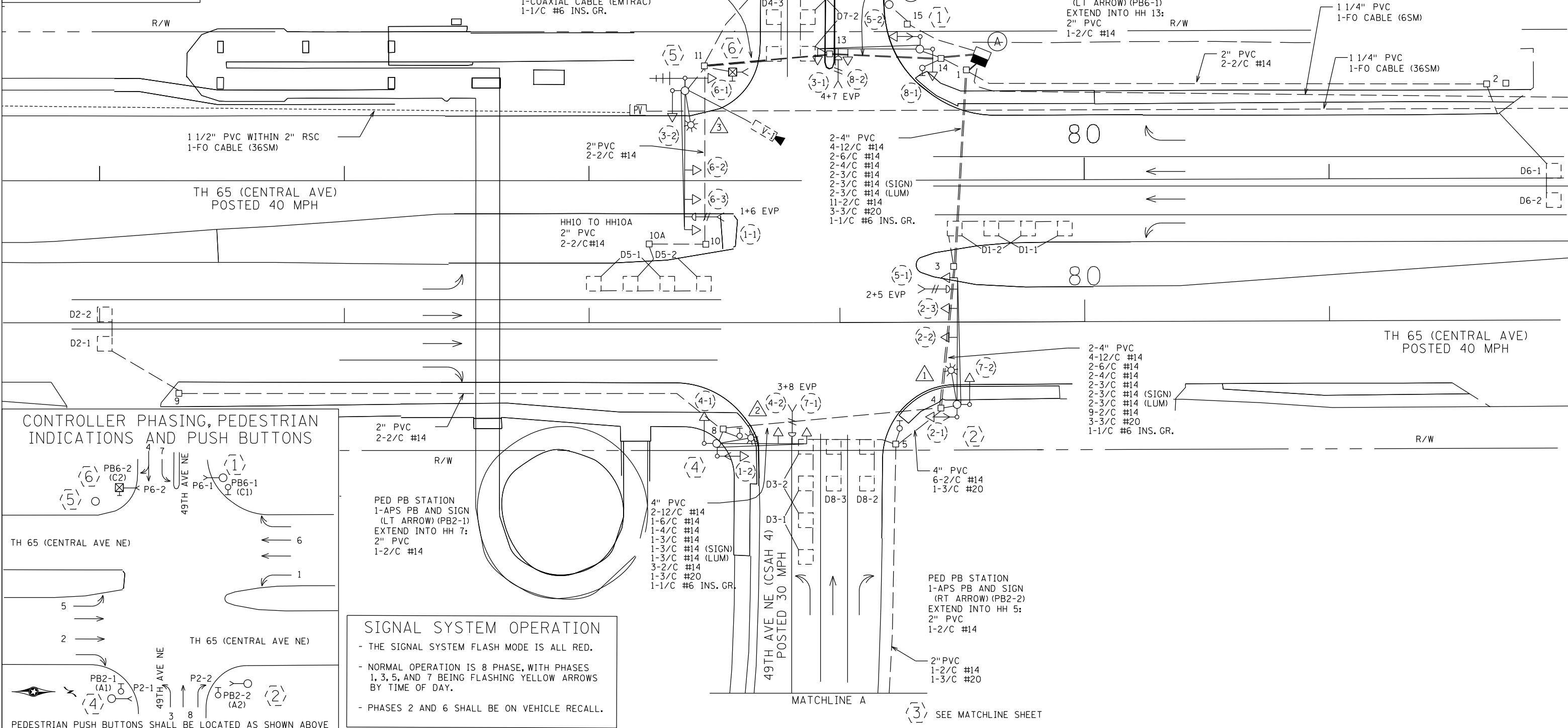
NUMBER	SIZE (FT)	LOCATION
D1-1, D5-1	2-6x6	20 & 50
D1-2, D5-2	2-6x6	5 & 35
D2-1, D2-2	6x6	250
D3-1, D7-1	2-6x6	20 & 50
D3-2, D7-2	2-6x6	5 & 35
D4-1, D4-2	6x6	120
D8-2, D8-3	2-6x6	5 & 20
D4-3	2-6x6	5 & 20
D6-1, D6-2	6x6	250
D8-1	6x6	125

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

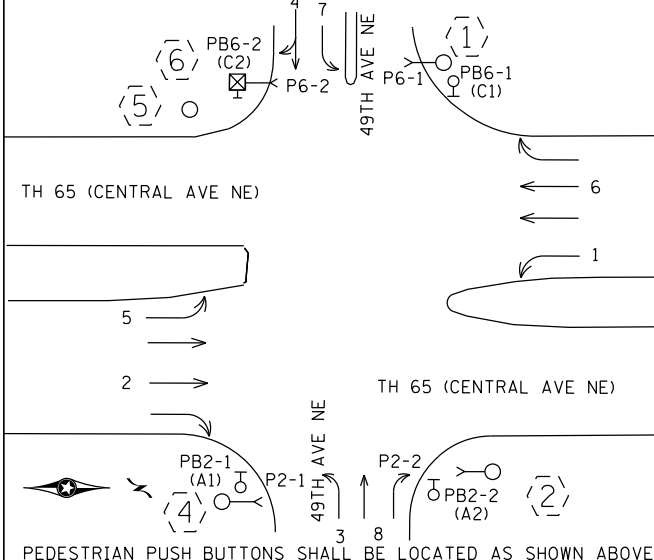
SIGNAL HEAD CHART

FACE	R	Y	FYA	G
1-1, 1-2	←	←	←	←
2-1, 2-2, 2-3	○	○		○
4-1, 4-2	○	○		○
3-1, 3-2	←	←	←	←
5-1, 5-2	←	←	←	←
6-1, 6-2, 6-3	○	○		○
7-1, 7-2	←	←	←	←
8-1, 8-2	○	○		○

-ALL SIGNAL INDICATIONS ARE 12" LED
 -ALL SIGNAL HEADS ARE BLACK POLYCARBONITE WITH BACKGROUND SHIELDS
 -FYA DENOTES FLASHING YELLOW ARROW



CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS



SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 8 PHASE, WITH PHASES 1, 3, 5, AND 7 BEING FLASHING YELLOW ARROWS BY TIME OF DAY.
- PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.

DISTRICT #: \$@DISTRICT@
 PLOT NAME: \$\$@PLOT\$NAME@
 PATH & FILENAME: \$\$\$@PATH\$FILENAME\$\$\$
 PLOTTED/REVISED: \$\$\$@DATE\$\$\$

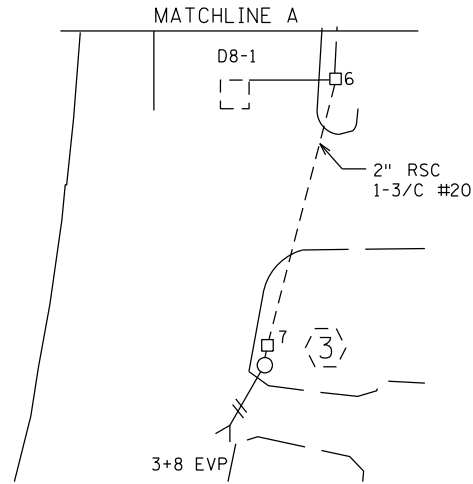
BY	DATE	REVISIONS	SYSTEM ID: 21153	T.E. 5640	S.A.P. NO.	DRAWN BY: BAM	CKD BY: CDB	DATE: 07/23/12
EJA	04-10-14	AS-BUILT OF SP 0207-96 SIGNAL REPLACEMENT	METER ADDRESS: TH 65 AND 49TH SE QUAD		CERTIFIED BY: <i>Michael P. Lubinsky</i>		LIC. NO. 19863	DATE: 08/02/12
			MASTER ID:	T.E.	STATE PROJ. NO.	(T.H.65)	SHEET NO. 1 OF 4 SHEETS	

INTERSECTION LAYOUT
 T.H. 65 (CENTRAL AVE NE) AT
 49TH AVE NE (CSAH 4)
 IN COLUMBIA HEIGHTS, ANOKA COUNTY

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

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

MATCHLINE



POLE NOTES

(5)

PA100 POLE FOUNDATION
 TYPE PA100-A-55-X6-350/CAM 400 (AT 350 DEG)
 1-VIDEO CAMERA WITH MOUNT
 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 2-STRAIGHT MOUNT SIGNAL OVERHEAD AT 11' AND 23'
 2-ANGLE MOUNT SIGNALS AT 90 AND 180 DEG
 1-ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASES 1+6)
 LUMINAIRE-250W HPS
 1-EMTRAC DETECTOR ANTENNA FOR METRO
 TRANSIT BUS TRACKING (POLE MOUNTED)
 1-R10-X12 SIGN ADJACENT TO HEAD (1-1)
 1-INTERNALLY LIT LED SIGN (D-2)
 3" PVC TO HH 11:
 2-12/C #14
 1-6/C #14
 1-3/C #14
 1-3/C #14 (CAMERA POWER)
 1-3/C #14 (SIGN)
 1-3/C #14 (LUM)
 1-3/C #20
 1-COM CABLE
 1-COAXIAL CABLE (CAMERA)
 1-COAXIAL CABLE (EMTRAC) (BACK TO THE SIGNAL CABINET)
 1-7/16" GROUNDING BRAID (FROM LIGHTNING ROD TO GROUND ROD)
 1-1/C #6 INS. GR.

(6)

PEDESTAL FOUNDATION
 TYPE 4A
 9' PEDESTAL POLE AND BASE (8' POLE PLUS BASE)
 1-C.D. PED HEAD
 1-APS PB AND SIGN (RT ARROW) (PB6-2)
 3" PVC TO HH 11:
 1-4/C #14
 1-2/C #14
 1-1/C #6 INS. GR.

(1)

PA90 POLE FOUNDATION
 TYPE PA90-A-40
 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 1-STRAIGHT MOUNT SIGNAL OVERHEAD
 AT 11'
 2-ANGLE MOUNT SIGNALS AT 90 AND 180 DEG
 1-ANGLE MOUNT C.D. PED HEAD 180 DEG
 1-ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASES 3+8)
 1-R10-X12 SIGN ADJACENT TO HEAD (3-1)
 1-INTERNALLY LIT LED SIGN (D-1) (SEE SIGN DETAILS)
 3" PVC TO HH 14:
 2-12/C #14
 1-6/C #14
 1-4/C #14
 1-3/C #14
 1-3/C #14 (SIGN)
 1-3/C #20
 1-1/C #6 INS. GR.

(A)

EQUIPMENT PAD
 SERVICE CABINET (SSB)
 SIGNAL CABINET AND CONTROLLER
 2-4" PVC TO HH 14: 2-4" PVC TO HH 1:
 4-12/C #14 4-12/C #14
 2-6/C #14 2-6/C #14
 2-4/C #14 2-4/C #14
 2-3/C #14 2-3/C #14
 1-3/C #14 (CAMERA POWER) 13-2/C #14
 9-2/C #14 3-3/C #20
 2-3/C #20 1-1/C #6 INS. GR.
 1-COM CABLE
 1-COAXIAL CABLE (CAMERA)
 1-COAXIAL CABLE (EMTRAC)
 1-1/C #6 INS. GR.

2-2" AND 1-3" PVC STUBBED OUT (CAPPED BOTH ENDS)
 3/4" PVC STUBBED OUT (FOR TELEPHONE LINE)
 1-2" PVC

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

CONTROLLER CABINET TO SERVICE CABINET (COMMS):
 2" PVC
 1-6PR #19

SERVICE CABINET TO POLE MOUNTED TRANSFORMER:
 2" PVC
 3-1/C #2

SERVICE CABINET TO HH 14:
 2" PVC
 3-3/C #14 (LUM)
 4-3/C #14 (SIGN)

HH 14 TO HH 1:
 2" PVC
 2-3/C #14 (LUM)
 2-3/C #14 (SIGN)

CONTROLLER CABINET TO TMS PULL VAULT:
 1-1/4" PVC
 1-FO PATCH/PIGTAIL (6SM)

(B)

INPLACE SOP
 WOOD POLE
 EXTEND INTO HH 15:
 2" PVC AND WEATHERHEAD
 WITH 3-1/C #2

(4)

PA100 POLE FOUNDATION
 TYPE PA100-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 SIGNALS AT 90 AND 180 DEG
 1-ANGLE MOUNT C.D. PED HEAD
 AT 90
 1-ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASES 4+7)
 LUMINAIRE-250W HPS
 1-R10-X12 SIGN ADJACENT TO HEAD (7-1)
 1-INTERNALLY LIT LED SIGN (D-1) (SEE SIGN DETAILS)
 3" PVC TO HH 8:
 2-12/C #14
 1-6/C #14
 1-4/C #14
 1-3/C #14
 1-3/C #14 (SIGN)
 1-3/C #14 (LUM)
 1-3/C #20
 1-1/C #6 INS. GR.

(3)

WOOD POLE
 1-ONE WAY EVP DETECTOR (PHASE 3+8)
 2" RSC HH 7:
 1-3/C #20

(2)

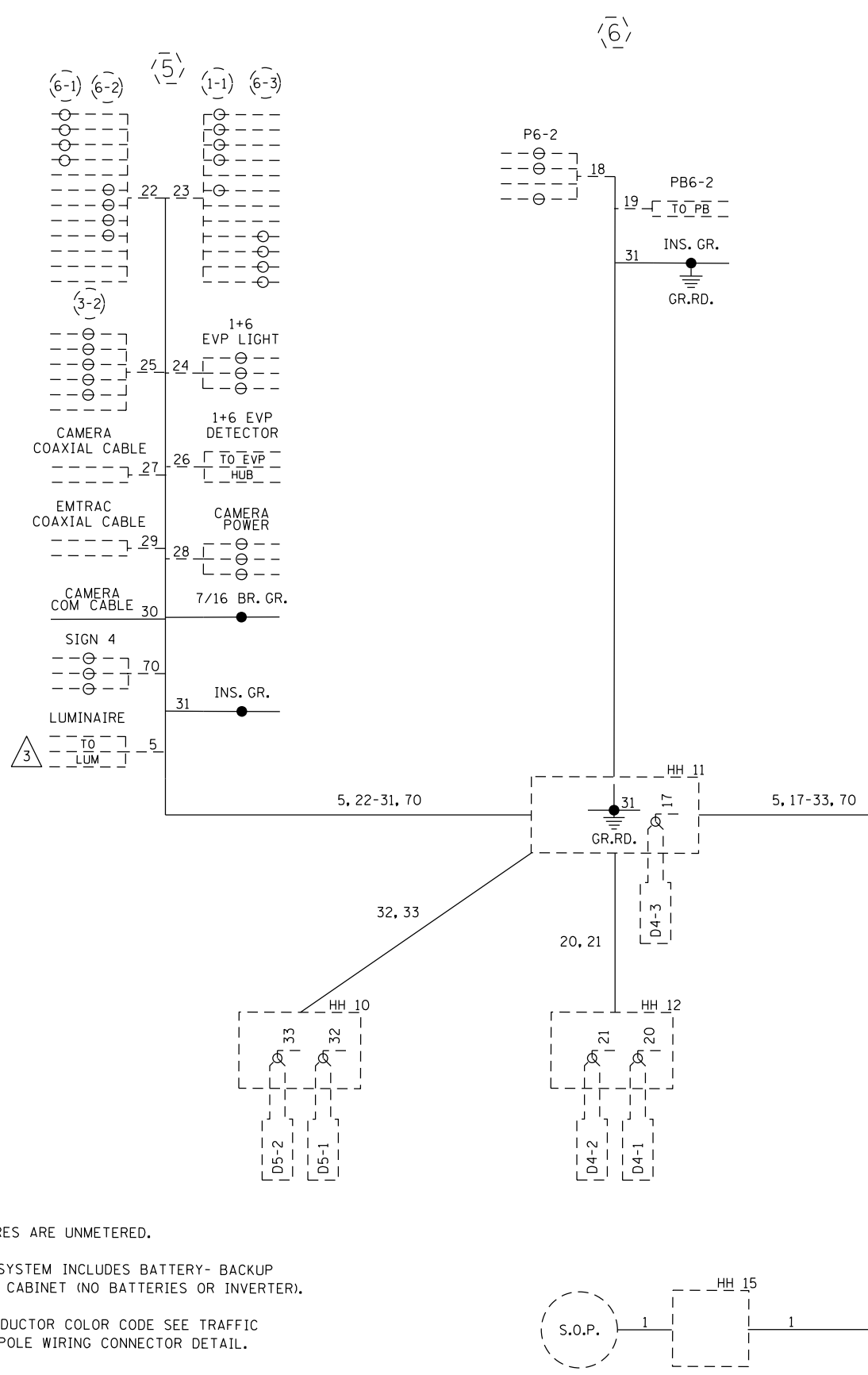
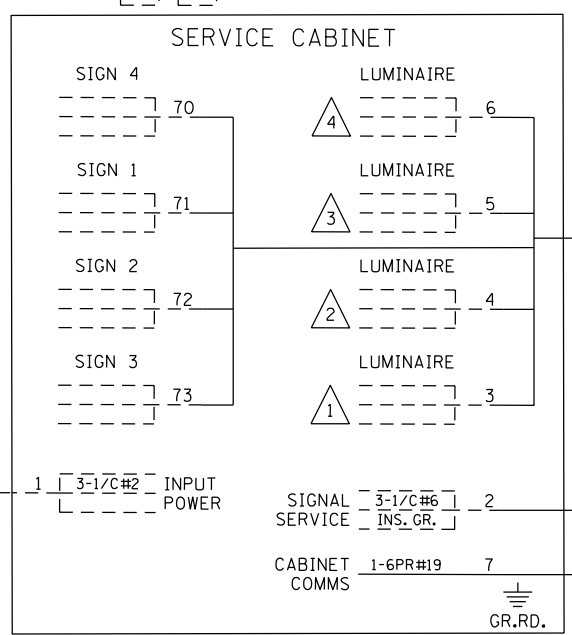
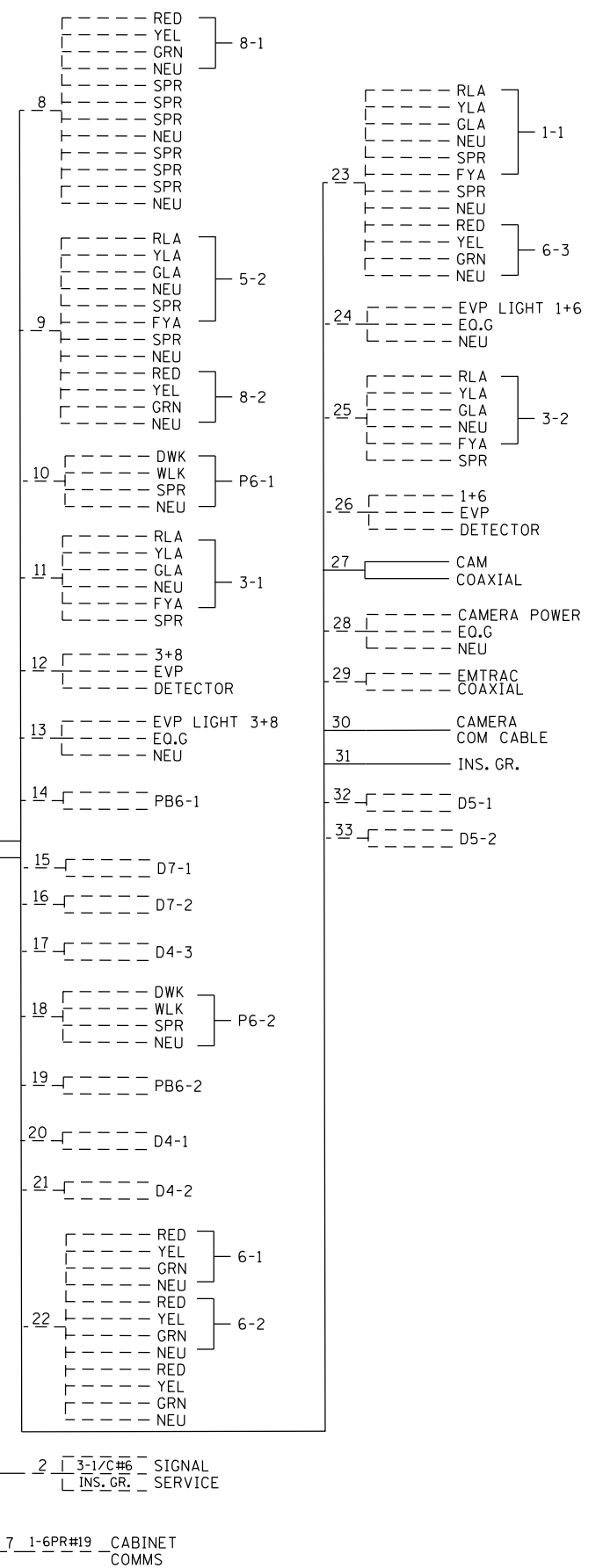
PA100 POLE FOUNDATION
 TYPE PA100-A-50-40D-9 (DAVIT AT 350 DEG)
 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 2-STRAIGHT MOUNT SIGNAL OVERHEAD AT 11' AND 23'
 2-ANGLE MOUNT SIGNALS AT 90 AND 180 DEG
 1-ANGLE MOUNT C.D. PED HEAD
 AT 180 DEG
 1-ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASES 2+5)
 LUMINAIRE-250W HPS
 1-R10-X12 SIGN ADJACENT TO HEAD (5-1)
 1-INTERNALLY LIT LED SIGN (D-2)
 3" PVC TO HH 4:
 2-12/C #14
 1-6/C #14
 1-4/C #14
 1-3/C #14
 1-3/C #14 (SIGN)
 1-3/C #14 (LUM)
 1-3/C #20
 1-1/C #6 INS. GR.

BY	DATE	REVISIONS	SYSTEM ID: 21153	T.E. 5640	MATCHLINE & POLE NOTES T.H. 65 (CENTRAL AVE NE) AT 49TH AVE NE (CSAH 4) IN COLUMBIA HEIGHTS, ANOKA COUNTY	S.A.P. NO.	DRAWN BY: BAM	CKD BY: CDB	DATE: 07/23/12
EJA	04-10-14	AS-BUILT OF SP 0207-96 SIGNAL REPLACEMENT	METER ADDRESS: TH 65 AND 49TH SE QUAD			CERTIFIED BY: <i>Michael P. Lubinsky</i> <small>LICENSED PROFESSIONAL ENGINEER</small>	LIC. NO. 19863	DATE: 08/02/12	
			MASTER ID: N/A	T.E.		STATE PROJ. NO.	(T.H. 65)	SHEET NO. 2 OF 4 SHEETS	

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

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

CONTROLLER CABINET



- NOTES:
- LUMINAIRES ARE UNMETERED.
 - SIGNAL SYSTEM INCLUDES BATTERY- BACKUP SERVICE CABINET (NO BATTERIES OR INVERTER).
 - FOR CONDUCTOR COLOR CODE SEE TRAFFIC SIGNAL POLE WIRING CONNECTOR DETAIL.

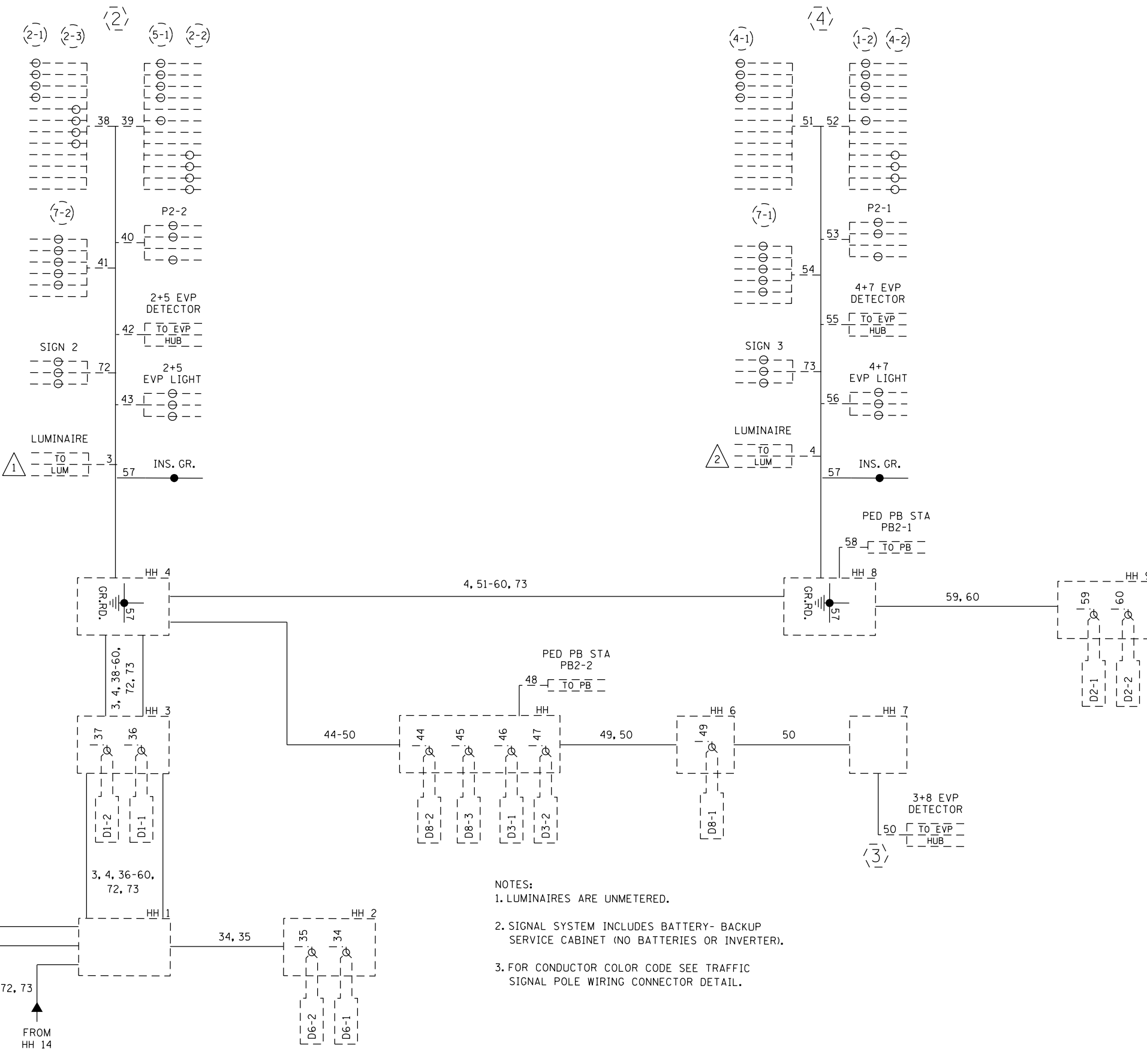
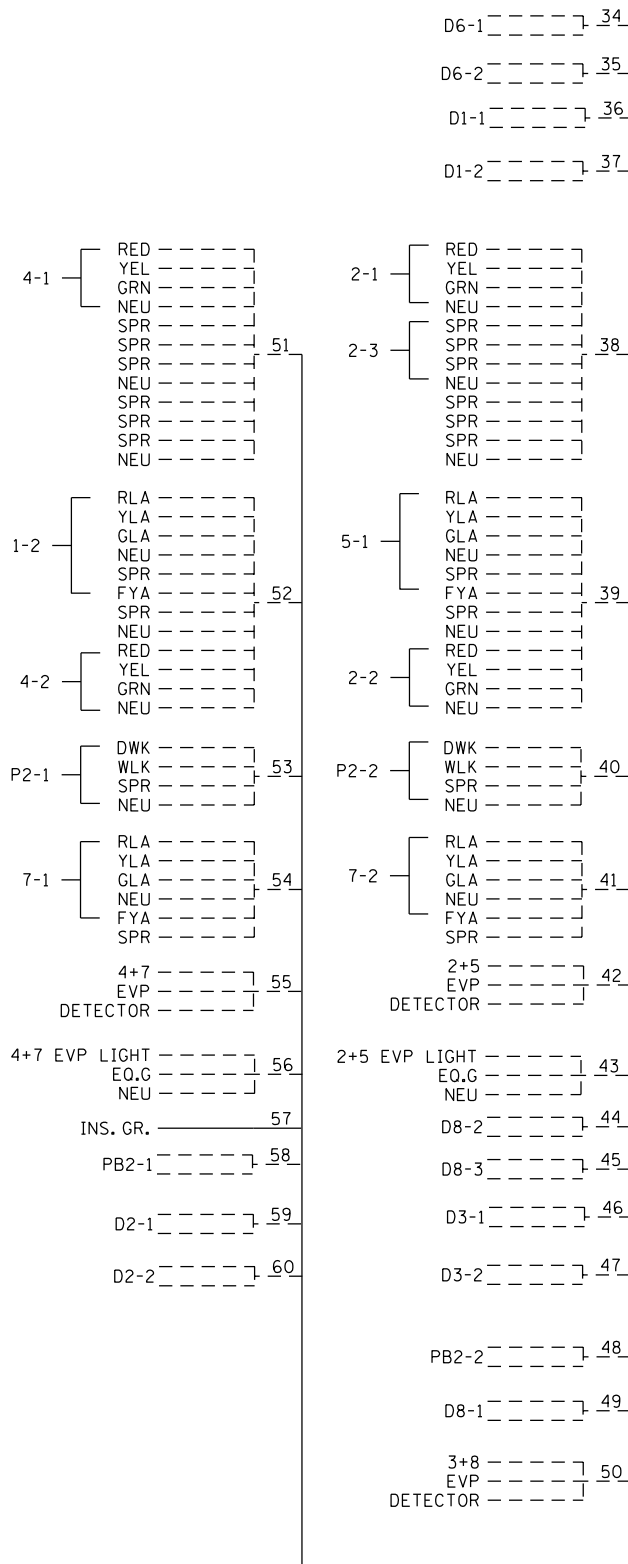
BY	DATE	REVISIONS	SYSTEM ID: 21153	T.E. 5640	S.A.P. NO.	DRAWN BY: BAM	CKD BY: CDB	DATE: 07/23/12
EJA	04-10-14	AS-BUILT OF SP 0207-96 SIGNAL REPLACEMENT	METER ADDRESS: TH 65 AND 49TH SE QUAD		CERTIFIED BY: <i>Michael P. Lubinsky</i>		LIC. NO. 19863	DATE: 08/02/12
			MASTER ID: N/A	T.E.	STATE PROJ. NO.	(T.H. 65)	SHEET NO.	3 OF 4 SHEETS

FIELD WIRING DIAGRAM (1 OF 2)
T.H. 65 (CENTRAL AVE NE) AT
49TH AVE NE (CSAH 4)
IN COLUMBIA HEIGHTS, ANOKA COUNTY

CONTROLLER CABINET

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

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



- NOTES:
 1. LUMINAIRE ARE UNMETERED.
 2. SIGNAL SYSTEM INCLUDES BATTERY- BACKUP SERVICE CABINET (NO BATTERIES OR INVERTER).
 3. FOR CONDUCTOR COLOR CODE SEE TRAFFIC SIGNAL POLE WIRING CONNECTOR DETAIL.

BY	DATE	REVISIONS
EJA	04-10-14	AS-BUILT OF SP 0207-96 SIGNAL REPLACEMENT

SYSTEM ID: 21153	T.E. 5640
METER ADDRESS: TH 65 AND 49TH SE QUAD	
MASTER ID: N/A	T.E.

FIELD WIRING DIAGRAM (2 OF 2)
 T.H. 65 (CENTRAL AVE NE) AT
 49TH AVE NE (CSAH 4)
 IN COLUMBIA HEIGHTS, ANOKA COUNTY

S.A.P. NO.	DRAWN BY: BAM	CKD BY: CDB	DATE: 07/23/12
CERTIFIED BY: <i>Michael P. Lubinsky</i>	LIC. NO. 19863	DATE: 08/02/12	
STATE PROJ. NO.	(T.H. 65)	SHEET NO. 4 OF 4 SHEETS	