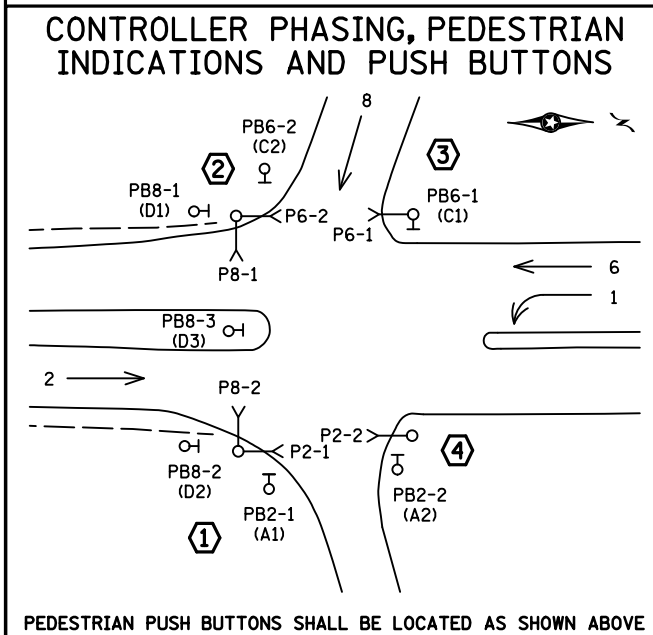
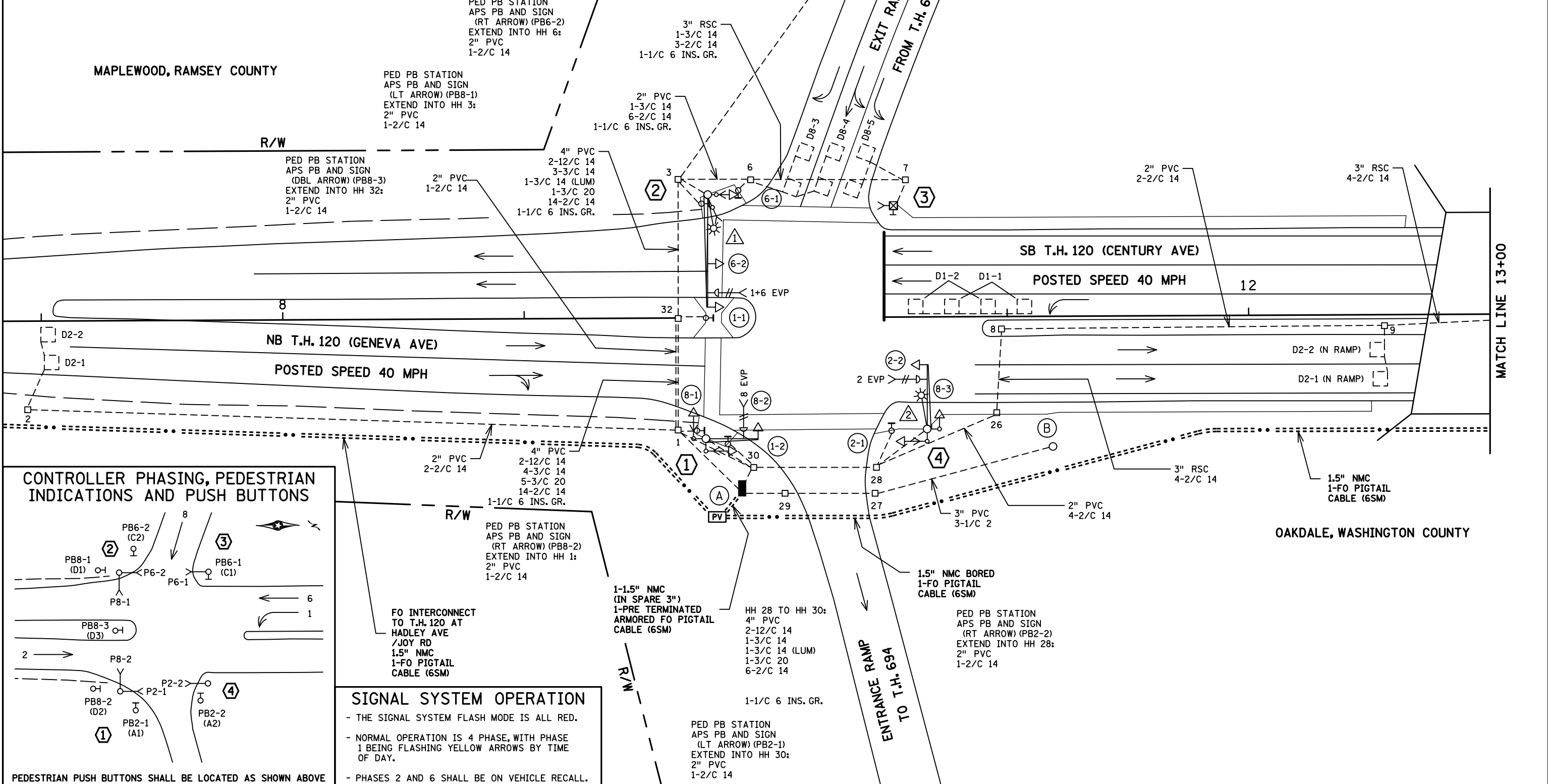
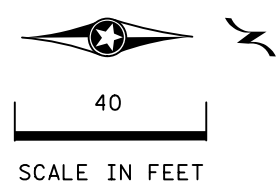


LOOP DETECTOR CHART		
NUMBER	SIZE (FT)	LOCATION
D1-1	2-6x6	20 & 50
D1-2	2-6x6	5 & 35
D2-1, D2-2	6x6	250
D6-1, D6-2	2-6x6	420
D8-1, D8-2	6x6	120
D8-3, D8-4, D8-5	2-6x6	5 & 20

-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	○	○		○
6-1, 6-2	○	○		○
8-1, 8-2, 8-3	○	○		○

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



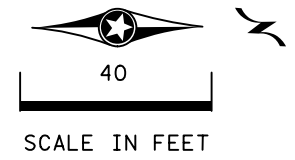
SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 4 PHASE, WITH PHASE 1 BEING FLASHING YELLOW ARROWS BY TIME OF DAY.
- PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.

DISTRICT #: Metro
 IPLOT NAME: T1735878_sgl
 PATH & FILENAME: Projects\DM罗斯6940000Traffic\SIGNALS&2 TH694 @ TH120CENTURY-GENEVA SR 1735878\T1735878_sgl.dwg/REVISED: 30-JAN-2023

BY	DATE	REVISIONS	SYSTEM ID: 1735878	T.E. 6054	S.A.P. NO.	DRAWN BY:GDS	CKD BY:GBB	DATE:05-03-18
SJK	1/30/23	AS-BUILT PLAN SP 6227-83	METER ADDRESS: 5700 GENEVA AVE NORTH		CERTIFIED BY _____			LIC. NO. 19863 DATE: 06-06-18
			OLD SYSTEM ID: 21748		STATE PROJ.NO. 6227-83 (T.H.120)			SHEET NO. 73 OF 89 SHEETS

DISTRICT #: Metro
 PLOT NAME: T1735878.sgl
 PATH & FILENAME: Projects\DM罗斯6940000\Traffic\Signal\8.2 TH694 @ TH120CENTURY-GENEVA SR 1735878\T1735878.sgl



② PA100 POLE FOUNDATION
 (W/1" PVC STUB OUT & 5/8" X 15' GR. ROD)
 TYPE PA100-A-45-D40-12 (DAVIT AT 350 DEG)
 2-SWING AWAY HINGES
 2-ONE WAY SIGNALS AT 0' & 17'
 2-ANGLE MOUNT SIGNALS AT 0 & 270 DEG
 2-ANGLE MOUNT CD PED HEADS AT 0 AND 270 DEG
 ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASES 1+6)
 LUMINAIRE - LED
 R10-X12 SIGN (ADJACENT TO HEAD 1-1)
 EXTEND INTO HH 3:
 3" PVC
 2-12/C 14
 2-3/C 14
 1-3/C 14 (LUM)
 1-3/C 20
 2-2/C 14
 2-1/C 6 INS. GR.

③ PEDESTAL FOUNDATION
 8' PEDESTAL POLE PLUS BASE
 TYPE 4A
 CD PED HEAD
 APS PB AND SIGN
 (LT ARROW) (PB6-1)
 R9-3 SIGN (NO PEDS) FACING POLE 4
 EXTEND INTO HH 7:
 3" PVC
 1-3/C 14
 2-2/C 14
 1-1/C 6 INS. GR.

① PA100 POLE FOUNDATION
 (W/1" PVC STUB OUT & 5/8" X 15' GR. ROD)
 TYPE PA100-A-20
 2-SWING AWAY HINGES
 ONE WAY SIGNAL AT 0'
 2-ANGLE MOUNT SIGNALS AT 90 AND 180 DEG
 2-ANGLE MOUNT CD PED HEADS AT 90 AND 180 DEG
 ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASE 8)
 EXTEND INTO HH 29:
 3" PVC
 2-12/C 14
 2-3/C 14
 1-3/C 20
 2-2/C 14
 2-1/C 6 INS. GR.

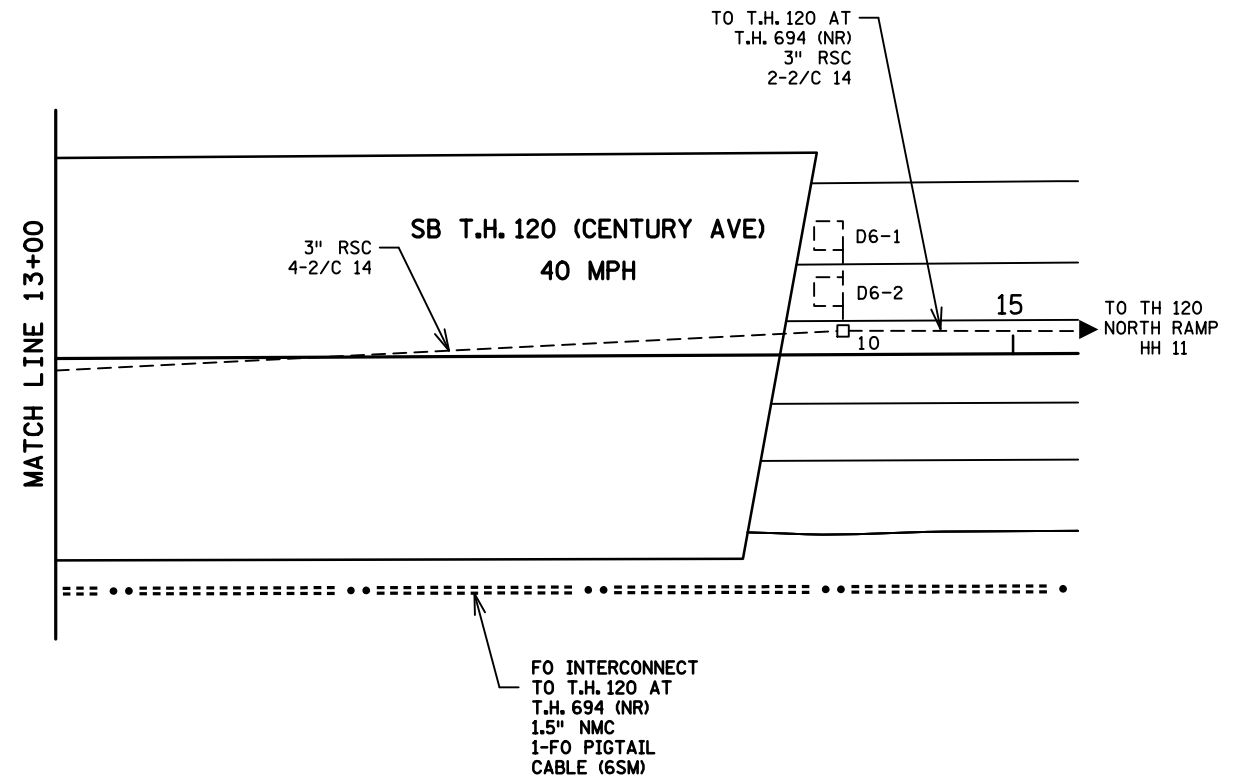
④ PA100 POLE FOUNDATION
 (W/1" PVC STUB OUT & 5/8" X 15' GR. ROD)
 TYPE PA100-A-25-D40-12 (DAVIT AT 350 DEG)
 ONE WAY SIGNAL AT 0'
 2-ANGLE MOUNT SIGNALS AT 90 AND 180 DEG
 ANGLE MOUNT CD PED HEAD AT 180 DEG
 ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASE 2)
 LUMINAIRE - LED
 R9-3 SIGN (NO PEDS) FACING POLE 3
 EXTEND INTO HH 28:
 3" PVC
 2-12/C 14
 1-3/C 14
 1-3/C 14 (LUM)
 1-3/C 20
 1-2/C 14
 1-1/C 6 INS. GR.

Ⓐ EQUIPMENT PAD
 SERVICE CABINET
CONTROLLER AND CABINET
 4" PVC TO HH 1: 4" PVC TO HH 30:
 2-12/C 14 4-12/C 14
 3-3/C 14 3-3/C 14
 1-3/C 20 2-3/C 20
 18-2/C 14 9-2/C 14

 1-1/C 6 INS. GR. 1-1/C 6 INS. GR.

 3" AND 3/4" PVC STUBBED OUT
 (CAPPED BOTH ENDS)
CONTROLLER CABINET TO PULL VAULT:
 1-1.5" NMC (IN SPARE 3")
 1-PRE TERMINATED ARMORED
 FO PIGTAIL CABLE (6SM)
SERVICE CABINET TO CONTROLLER CABINET:
 2" RSC
 2-1/C 6
 1-1/C 6 INS. GR.
SERVICE CABINET TO HH 30:
 2" PVC
 2-3/C 14 (LUM)
SERVICE CABINET TO SOP VIA HH 29 AND HH 27:
 2" PVC
 3-1/C 2
 HH 30 TO HH 1:
 2" PVC
 1-3/C 14 (LUM)

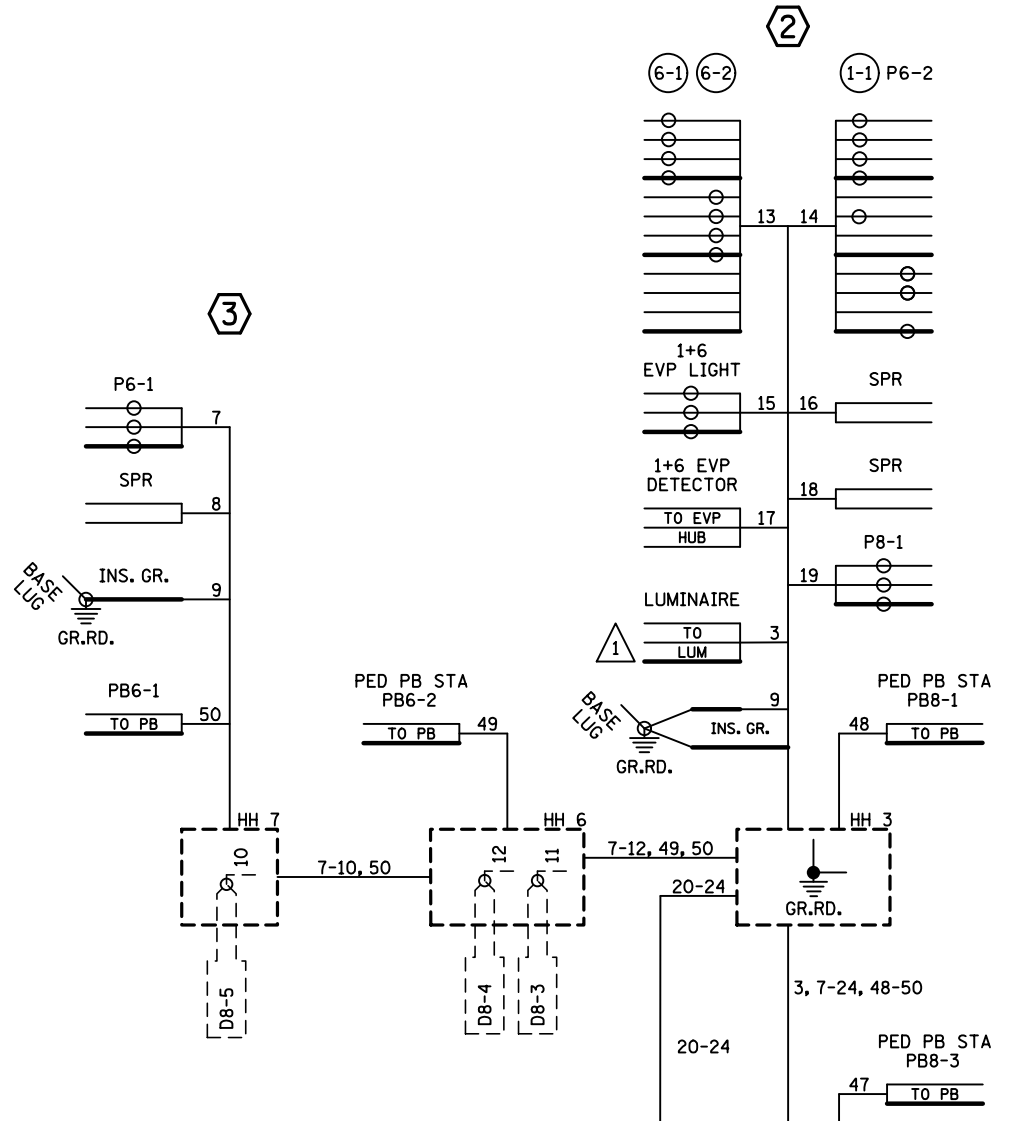
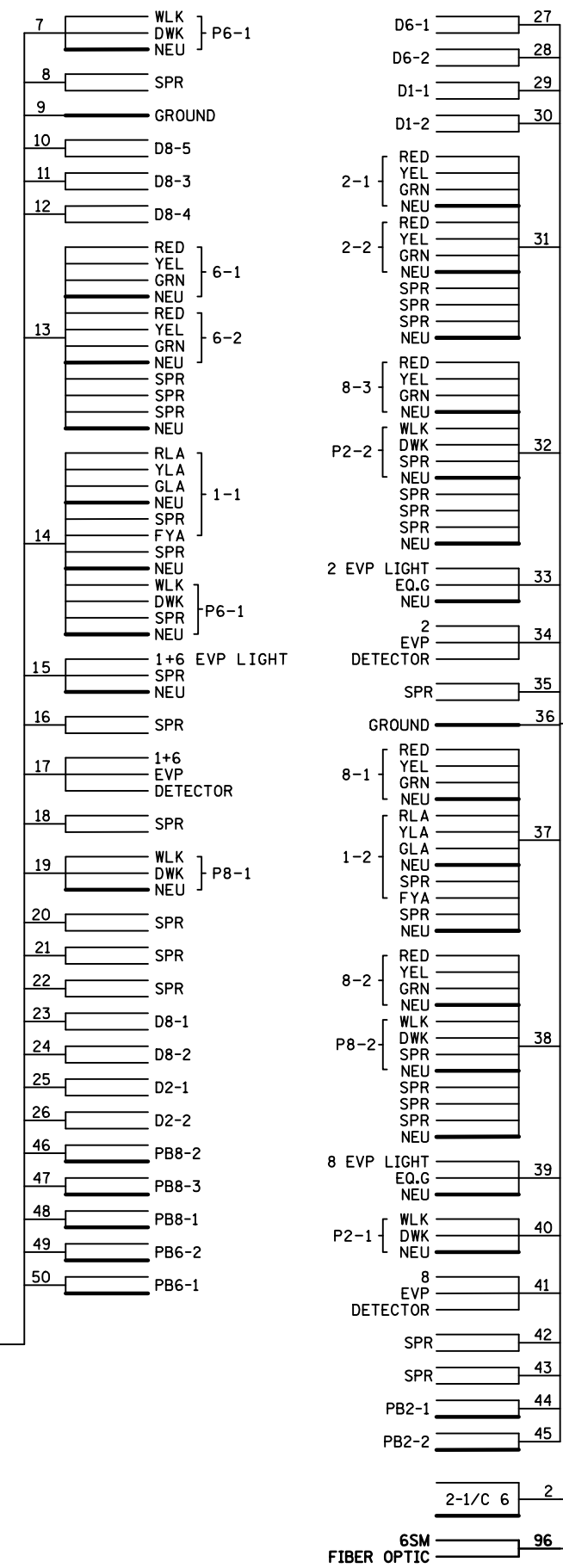
Ⓑ S.O.P. - WOOD POLE (BY XCEL ENERGY)
 120/240 TRANSFORMER
 2" RSC RISER, WEATHERHEAD
 & PVC TO HH 27:
 2-1/C 2
 1-1/C 2 INS. GR.



BY	DATE	REVISIONS	SYSTEM ID: 1735878	T.E. 6054	MATCH LINES LAYOUT AND NOTES	S.A.P. NO.	DRAWN BY:GDS	CKD BY:GBB	DATE:05-03-18
SJK	1/30/23	AS-BUILT PLAN SP 6227-83	METER ADDRESS: 5700 GENEVA AVE NORTH		REVISE SIGNAL SYSTEM L	CERTIFIED BY _____			LIC. NO. 19863
			OLD SYSTEM ID: 21748		TH 694 AT TH 120 (CENTURY AVE/GENEVA AVE) SOUTH RAMP IN OAKDALE, WASHINGTON COUNTY AND MAPLEWOOD, RAMSEY COUNTY	LICENSED PROFESSIONAL ENGINEER			DATE: 06-06-18
						STATE PROJ.NO. 6227-83 (T.H.120)	SHEET NO. 74 OF 89 SHEETS		

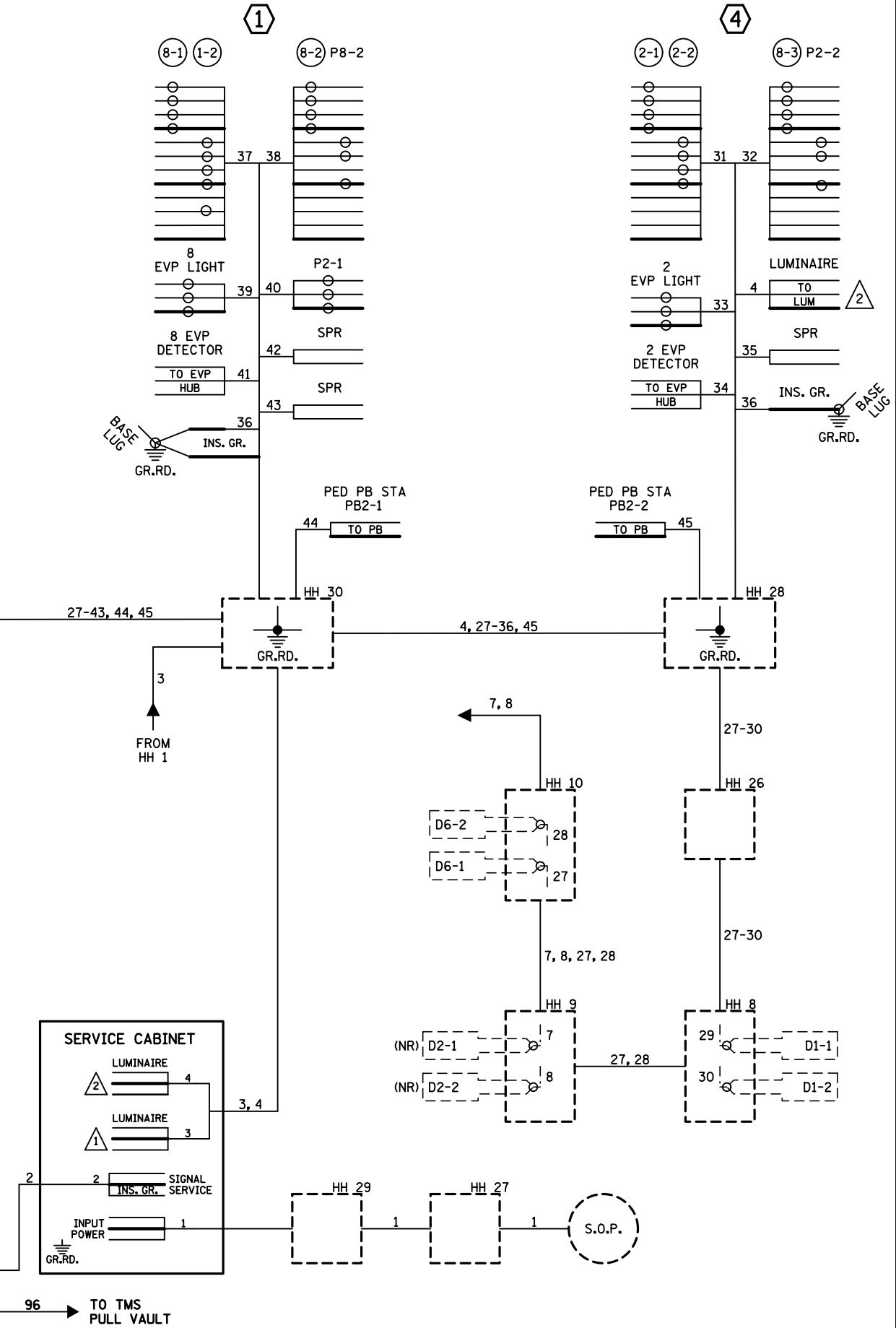
DISTRICT #: Metro
 IPLOT NAME: T1735878_sgl
 PATH & FILENAME: Projects\DM罗斯6940000\Traffic\Signal\8.2 TH694 @ TH120\CENTURY-GENEVA SR 1735878\T1735878_sgl.dwg/REVISED: 30-JAN-2023

CONTROLLER CABINET



CONDUCTOR COLOR CODE

1/C#6 G	R	4/C#18	R
6PR#19	O	4/C#18	BLK
COXIAL CABLE (6SM)	BL	4/C#18	WH
CABLE	WH	4/C#18	G
3-1/C#2 R	BLK/R	3/C#14	BLK
WH	BLK	3/C#14	G
3-1/C#2 BLK	WH	2/C#14	BLK
INPUT POWER	WH	2/C#14	WH OR CLR
3-1/C#6 BLK	G	3/C#20	R OR O
SIGNAL SERVICE	G	3/C#20	WH OR YEL
12/C#14 R	BLK	3/C#20	BLK OR BL
12/C#14 O	BL		
12/C#14 WH	WH		
12/C#14 R/BLK	R/BLK		
12/C#14 O/BLK	O/BLK		
12/C#14 BL/BLK	BL/BLK		
12/C#14 WH/BLK	WH/BLK		
12/C#14 BLK	BLK		
12/C#14 BLK/WH	BLK/WH		
12/C#14 BLK/R	BLK/R		
12/C#14 WH/R	WH/R		



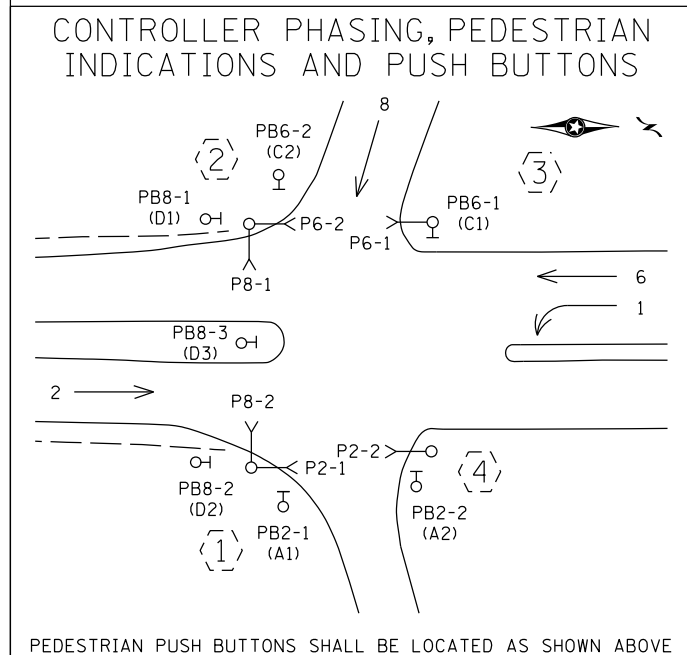
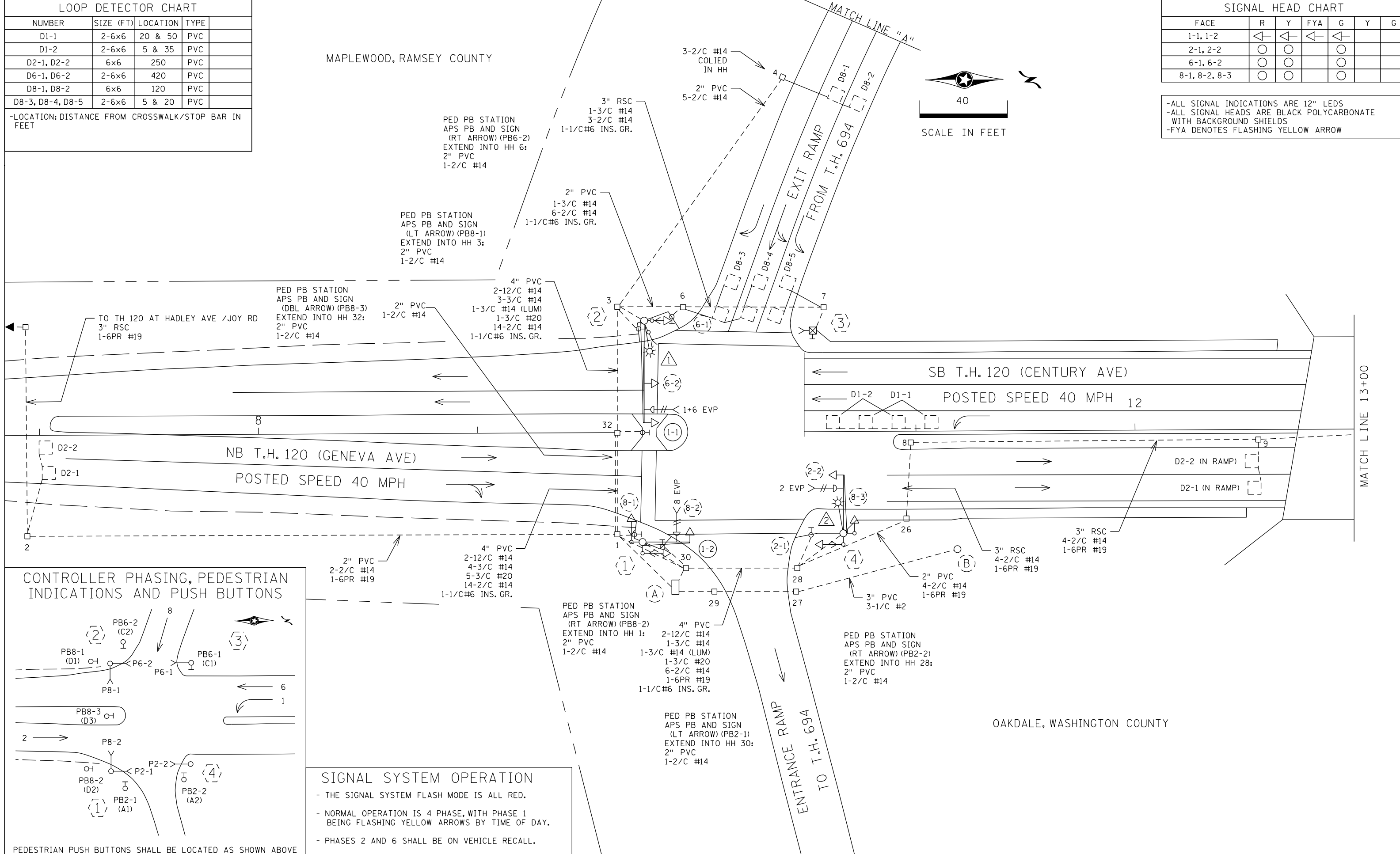
BY	DATE	REVISIONS	SYSTEM ID: 1735878	T.E. 6054	FIELD WIRING DIAGRAM	S.A.P. NO.	DRAWN BY:GDS	CKD BY:GDB	DATE:05-03-18
SJK	1/30/23	AS-BUILT PLAN SP 6227-83	METER ADDRESS: 5700 GENEVA AVE NORTH		REVISE SIGNAL SYSTEM L	CERTIFIED BY _____	LIC. NO. 19863	DATE: 06-06-18	
			OLD SYSTEM ID: 21748		TH 694 AT TH 120 (CENTURY AVE/GENEVA AVE) SOUTH RAMP IN OAKDALE, WASHINGTON COUNTY AND MAPLEWOOD, RAMSEY COUNTY	STATE PROJ.NO. 6227-83 (T.H.120)	SHEET NO. 75 OF 89 SHEETS		

LOOP DETECTOR CHART				
NUMBER	SIZE (FT)	LOCATION	TYPE	
D1-1	2-6x6	20 & 50	PVC	
D1-2	2-6x6	5 & 35	PVC	
D2-1, D2-2	6x6	250	PVC	
D6-1, D6-2	2-6x6	420	PVC	
D8-1, D8-2	6x6	120	PVC	
D8-3, D8-4, D8-5	2-6x6	5 & 20	PVC	

-LOCATION: DISTANCE FROM CROSSWALK/STOP BAR IN FEET

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

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

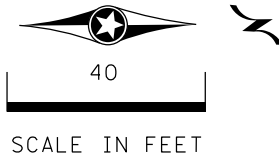


SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 4 PHASE, WITH PHASE 1 BEING FLASHING YELLOW ARROWS BY TIME OF DAY.
- PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.

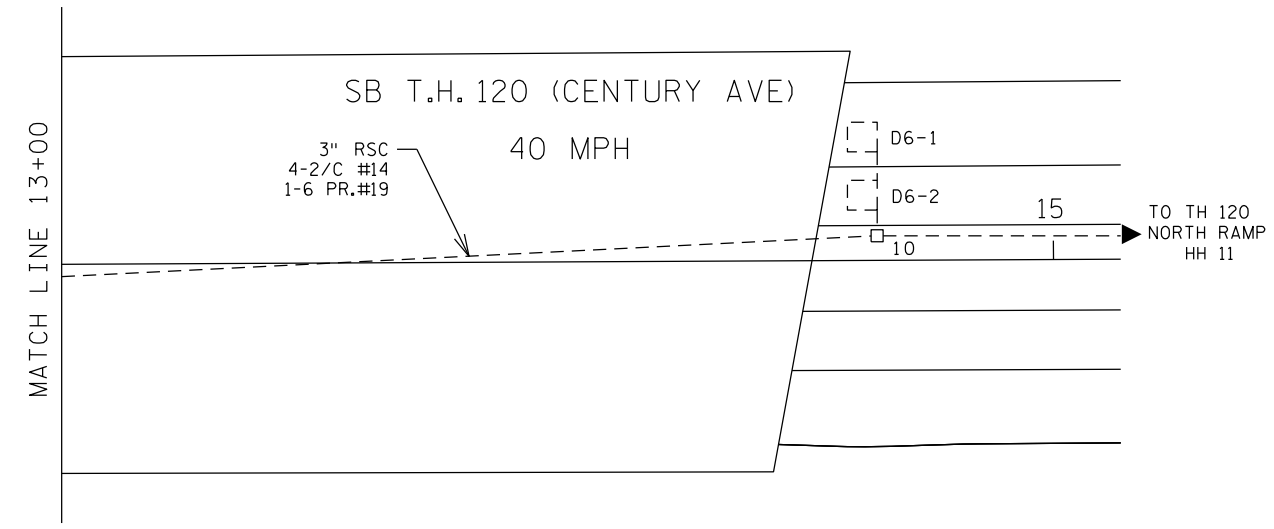
BY: EJA	DATE: 02-17-16	REVISIONS: AS-BUILTS OF SP 8825-528 & SP 6227-76	SYSTEM ID: 21748	T.E.	INTERSECTION LAYOUT: TH 694 AT TH 120 (CENTURY AVE/GENEVA AVE) SOUTH RAMP	S.A.P. NO.	DRAWN BY: BAM	CKD BY: CDB	DATE: 05-13-15
			METER ADDRESS: 5700 GENEVA AVE NORTH		IN OAKDALE, WASHINGTON COUNTY AND MAPLEWOOD, RAMSEY COUNTY	CERTIFIED BY: _____			
			MASTER ID:	T.E.		LICENSED PROFESSIONAL ENGINEER	LIC. NO. _____		DATE: _____
						STATE PROJ. NO.	SHEET NO. 1 OF 3 SHEETS		

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



② PA100 POLE FOUNDATION
 (W/1" PVC STUB OUT & 5/8" X 15' GR. ROD)
 TYPE PA100-A-45-D40-12 (DAVIT AT 350 DEG)
 2-SWING AWAY HINGES
 LUMINAIRE - LED
 2-ONE WAY SIGNALS AT 0' & 17'
 2-ANGLE MOUNT SIGNALS AT 0 & 270 DEG
 2-ANGLE MOUNT CD PED HEADS AT 0 & 270 DEG
 ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASES 1+6)
 R10-X12 SIGN (ADJACENT TO HEAD 1-1)
 EXTEND INTO HH 3:
 3" PVC
 2-12/C #14
 2-3/C #14
 1-3/C #14 (LUM)
 1-3/C #20
 2-2/C #14
 2-1/C #6 INS. GR.

③ PEDESTAL FOUNDATION
 8' PEDESTAL POLE PLUS BASE
 TYPE 4A
 CD PED HEAD
 APS PB AND SIGN
 (LT ARROW) (PB6-1)
 R9-3 SIGN (NO PEDS) FACING POLE 4
 EXTEND INTO HH 7:
 3" PVC
 1-3/C #14
 2-2/C #14
 1-1/C #6 INS. GR.



① PA100 POLE FOUNDATION
 (W/1" PVC STUB OUT & 5/8" X 15' GR. ROD)
 TYPE PA100-A-20
 2-SWING AWAY HINGES
 ONE WAY SIGNAL AT 0'
 ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASE 8)
 2-ANGLE MOUNT SIGNALS AT 90 & 180 DEG
 2-ANGLE MOUNT CD PED HEADS AT 90 & 180 DEG
 EXTEND INTO HH 29:
 3" PVC
 2-12/C #14
 2-3/C #14
 1-3/C #20
 2-2/C #14
 2-1/C #6 INS. GR.

④ PA100 POLE FOUNDATION
 (W/1" PVC STUB OUT & 5/8" X 15' GR. ROD)
 TYPE PA100-A-25-D40-12 (DAVIT AT 350 DEG)
 LUMINAIRE - LED
 ONE WAY SIGNAL AT 0'
 ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASE 2)
 2-ANGLE MOUNT SIGNALS AT 90 & 180 DEG
 ANGLE MOUNT CD PED HEAD AT 180 DEG
 R9-3 SIGN (NO PEDS) FACING POLE 3
 EXTEND INTO HH 28:
 3" PVC
 2-12/C #14
 1-3/C #14
 1-3/C #14 (LUM)
 1-3/C #20
 1-2/C #14
 1-1/C #6 INS. GR.

(A) EQUIPMENT PAD
 SERVICE CABINET
 CABINET/CONTROLLER

4" PVC TO HH 1: 4" PVC TO HH 30:
 2-12/C #14 4-12/C #14
 3-3/C #14 3-3/C #14
 1-3/C #20 2-3/C #20
 18-2/C #14 9-2/C #14
 1-6PR #19 1-6PR #19
 1-1/C #6 INS. GR. (GND) 1-1/C #6 INS. GR. (GND)

3" AND 3/4" PVC STUBBED OUT
 (CAPPED BOTH ENDS)

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

SERVICE CABINET TO HH 30:
 2" PVC
 2-3/C #14 (LUM)

SERVICE CABINET TO SOP
 VIA HH 29 AND HH 27:
 2" PVC
 3-1/C #2
 HH 30 TO HH 1:
 2" PVC
 1-3/C #14 (LUM)

(B) S.O.P. - WOOD POLE (BY XCEL ENERGY)
 120/240 TRANSFORMER
 2" RSC RISER, WEATHERHEAD
 & PVC TO HH 27:
 2-1/C #2
 1-1/C #2 INS. GR.

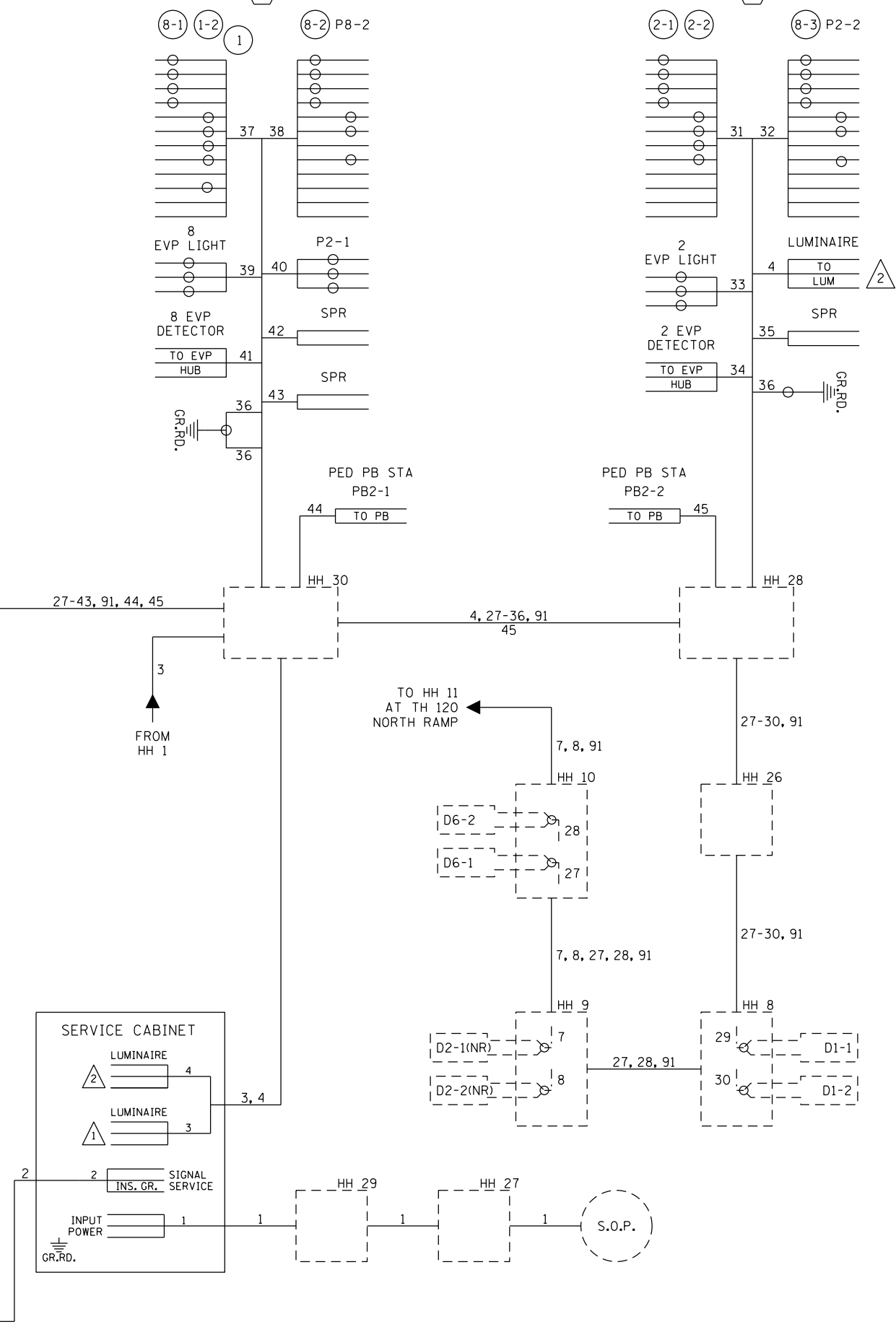
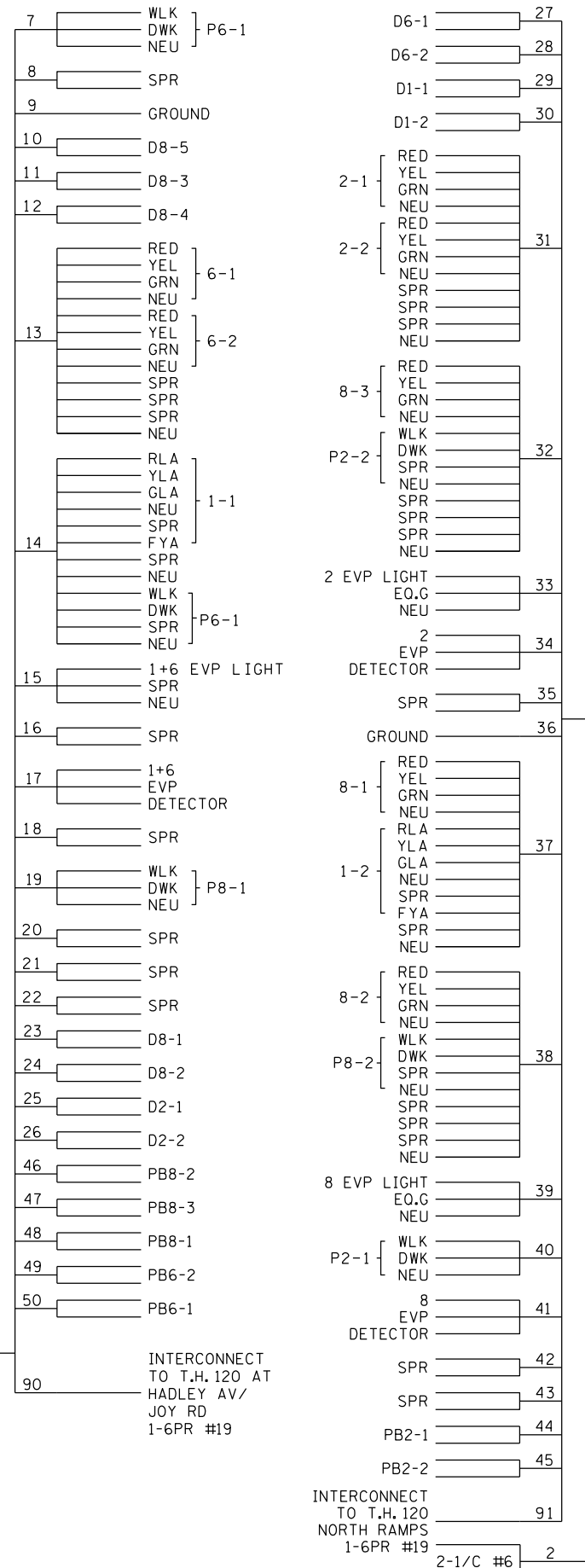
DISTRICT #: \$@DISTRICT@
 PLOT NAME: \$@PLOT\$NAME@
 PATH & FILENAME: \$@PATH\$FILENAME@

BY	DATE	REVISIONS	SYSTEM ID: 21748	T.E.	MATCH LINES AND POLE NOTES	S.A.P. NO.	DRAWN BY: BAM	CKD BY: CDB	DATE: 05-13-15
EJA	02-17-16	AS-BUILTS OF SP 8825-528 & SP 6227-76	METER ADDRESS: 5700 GENEVA AVE NORTH		TH 694 AT TH 120 (CENTURY AVE/GENEVA AVE)	CERTIFIED BY _____			
			MASTER ID:	T.E.	IN OAKDALE, WASHINGTON COUNTY	LICENSED PROFESSIONAL ENGINEER	LIC. NO. _____		DATE: _____
					AND MAPLEWOOD, RAMSEY COUNTY	STATE PROJ. NO.	SHEET NO.	2 OF	3 SHEETS

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

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

CONTROLLER CABINET



CONDUCTOR COLOR CODE

1/C#6 G	R
6PR#19	O
COXIAL CABLE (6SM) CABLE	BL
	BLK/R
	BLK
3-1/C#2 R	4/C#14 R
BLK	BLK/R
INPUT POWER	BLK
	WH
3-1/C#6 WH	4/C#18 R
SIGNAL SERVICE	BLK
	WH
	G
12/C#14 R	3/C#14 BLK
O	G
BL	WH
WH	BLK
R/BLK	3/C#14 BLK
O/BLK	G
BL/BLK	WH
WH/BLK	2/C#14 BLK
BLK	WH OR CLR
BLK/WH	3/C#20 R OR O
BLK/R	WH OR YEL
WH/R	BLK OR BL

BY	DATE	REVISIONS
EJA	02-17-16	AS-BUILTS OF SP 8825-528 & SP 6227-76

SYSTEM ID: 21748	T.E.
METER ADDRESS: 5700 GENEVA AVE NORTH	
MASTER ID:	T.E.

FIELD WIRING DIAGRAM
 TH 694 AT TH 120 (CENTURY AVE/ GENEVA AVE)
 SOUTH RAMP
 IN OAKDALE, WASHINGTON COUNTY
 AND MAPLEWOOD, RAMSEY COUNTY

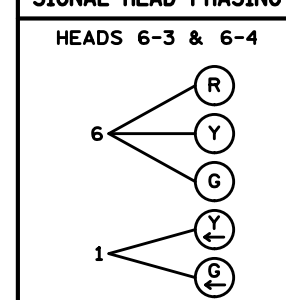
S.A.P. NO.	DRAWN BY: BAM	CKD BY: CDB	DATE: 05-13-15
CERTIFIED BY: _____	LIC. NO. _____	DATE: _____	
STATE PROJ. NO.	SHEET NO. 3 OF 3 SHEETS		

LOOP DETECTOR CHART

NUMBER	SIZE (FT)	LOCATION	TYPE
D1-1	2-6x6	20 & 50	PVC
D1-2	2-6x6	5 & 35	PVC
D2-1, D2-2	6x6	250	PVC
D6-1, D6-2	2-6x6	420	SAW
D8-1, D8-2	6x6	120	PVC
D8-3, D8-4, D8-5	2-6x6	5 & 20	PVC

-LOCATION: DISTANCE FROM CROSSWALK/STOP BAR IN FEET

SIGNAL HEAD PHASING

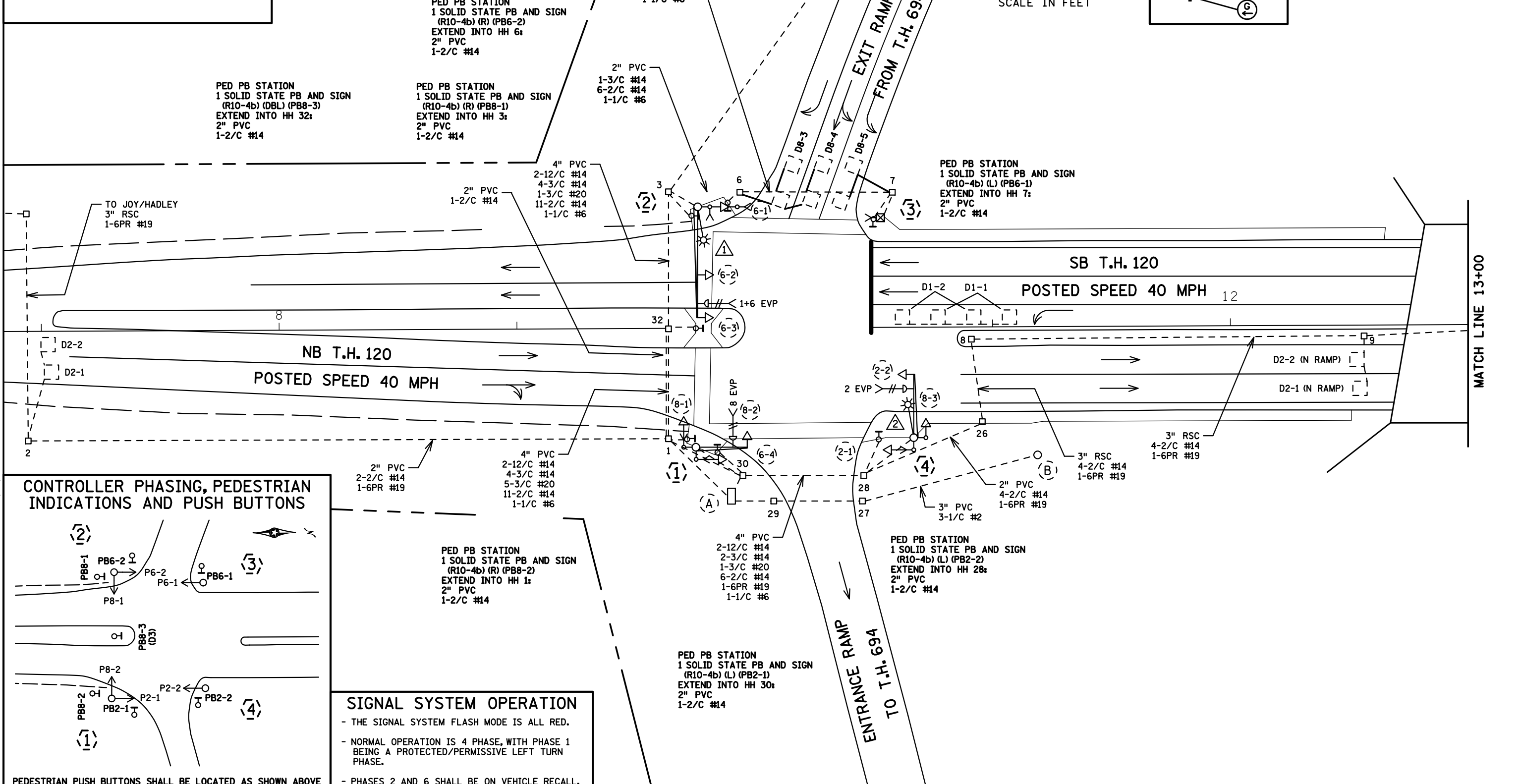


SIGNAL FACE CHART

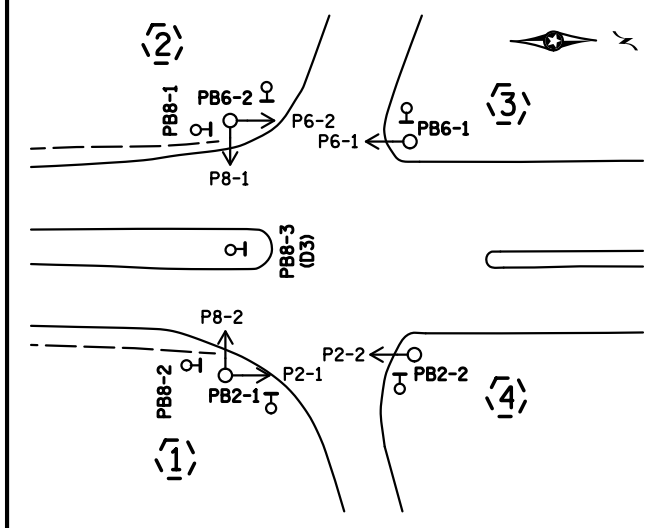
FACE	R	Y	G	Y	G
2-1, 2-2	○	○	○		
6-1, 6-2	○	○	○		
6-3, 6-4	○	○	○	◀	◀
8-1, 8-2, 8-3	○	○	○		

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

PLOTTED/REVISED: 2/14/2013



CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS



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.
- PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.

PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED AS SHOWN ABOVE

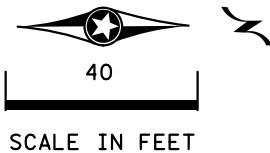
BY	DATE	REVISIONS
EJA	02/04/13	CORRECTION TO AS-BUILT OF SP 6286-56

SYSTEM ID: 21748 T.E. 5387
METER ADDRESS: 5700 GENEVA AVE NORTH
MASTER ID: T.E.

INTERSECTION LAYOUT
T.H. 694 AT T.H. 120 SOUTH RAMPS
IN OAKDALE, WASHINGTON COUNTY
AND MAPLEWOOD, RAMSEY COUNTY

S.A.P. NO. _____ DRAWN BY: GDS CKD BY: BTJ DATE: 05-16-11
CERTIFIED BY: *Michael P. Gelinsky* LIC. NO. 19863 DATE: 02-10-12
STATE PROJ. NO. (T.H. 694) SHEET NO. 1 OF 3 SHEETS

DISTRICT #: METRO
PLOT NAME: layout a
PATH & FILENAME: IP_PWP-d0783143V21748_sgl.dgn



② PA100 POLE FOUNDATION
 (W/1" PVC STUB OUT & 5/8" X 15' GR. ROD)
 TYPE PA100-A-45-D40-12 (DAVIT AT 350 DEG)
 2-SWING AWAY HINGES
 2-ONE WAY SIGNALS OVERHEAD
 (0' AND 17' FROM END OF MAST ARM)
 TYPE 10C POLE MOUNTED AT 270 DEG
 1-ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASES 1+6)
 LUMINAIRE - 250 W HPS
 EXTEND INTO HH 3:
 3" PVC
 2-12/C #14
 2-3/C #14
 1-3/C #20
 2-2/C #14
 2-1/C #6

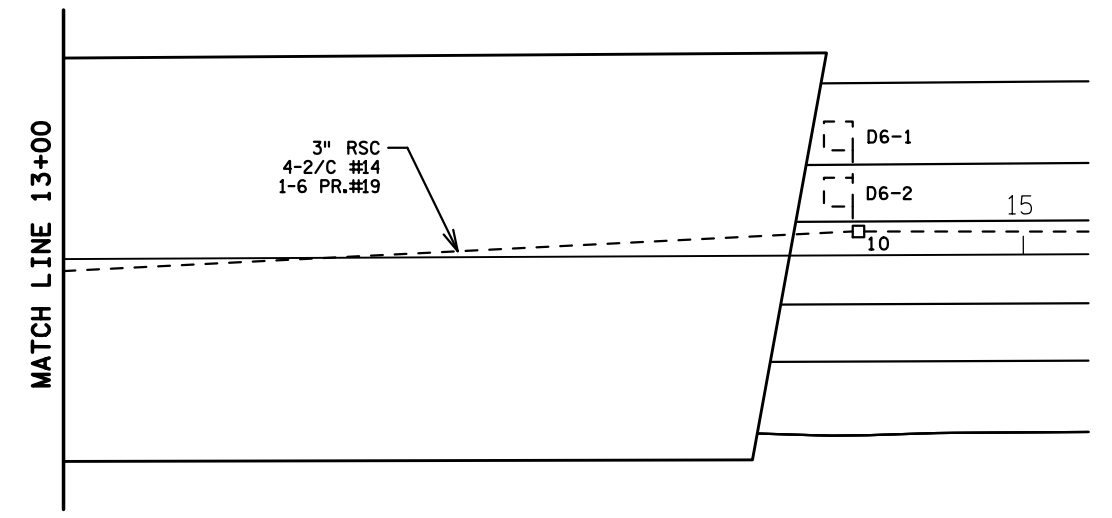
③ PEDESTAL FOUNDATION
 (W/1" PVC STUB OUT & 5/8" X 15' GR. ROD)
 TYPE 4A PEDESTAL AND BASE
 1-R9-3a SIGN (NO PEDESTRIAN
 CROSSING) FACING POLE 4
 EXTEND INTO HH 7:
 3" PVC
 1-3/C #14
 1-2/C #14
 1-1/C #6

① PA100 POLE FOUNDATION
 (W/1" PVC STUB OUT & 5/8" X 15' GR. ROD)
 TYPE PA100-A-20
 2-SWING AWAY HINGES
 ONE WAY SIGNAL OVERHEAD
 2-TYPE 10B POLE MOUNTED AT 90 DEG AND 180 DE
 1-ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASE 8)
 EXTEND INTO HH 29:
 3" PVC
 2-12/C #14
 2-3/C #14
 1-3/C #20
 2-2/C #14
 2-1/C #6

④ PA100 POLE FOUNDATION
 (W/1" PVC STUB OUT & 5/8" X 15' GR. ROD)
 TYPE PA100-A-25-D40-12 (DAVIT AT 350 DEG)
 ONE WAY SIGNAL OVERHEAD
 TYPE 10A POLE MOUNTED AT 90 DEG
 TYPE 10B POLE MOUNTED AT 180 DEG
 1-ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASE 2)
 LUMINAIRE - 250 W HPS
 1-R9-3a SIGN (NO PEDESTRIAN
 CROSSING) FACING POLE 3
 EXTEND INTO HH 28:
 3" PVC
 2-12/C #14
 2-3/C #14
 1-3/C #20
 1-2/C #14
 1-1/C #6

(A) EQUIPMENT PAD
 SERVICE CABINET
 CONTROLLER & CABINET
 4" PVC TO HH 1: 4" PVC TO HH 30:
 2-12/C #14 4-12/C #14
 3-3/C #14 3-3/C #14
 1-3/C #20 2-3/C #20
 15-2/C #14 6-2/C #14
 1-6PR #19 1-6PR #19
 1-1/C #6 (GND) 1-1/C #6 (GND)
 3" AND 3/4" PVC STUBBED OUT
 (CAPPED BOTH ENDS)
 SERVICE CABINET TO CONTROLLER CABINET:
 2" RSC
 2-1/C #6
 1-1/C # 6 INS. GR.
 SERVICE CABINET TO HH 30:
 2" PVC
 2-3/C #14
 SERVICE CABINET TO SOP
 VIA HH 29 AND HH 27:
 2" PVC
 3-1/C #2
 HH 30 TO HH 1:
 2" PVC
 1-3/C #14

(B) S.O.P. - WOOD POLE (BY XCEL)
 120/240 TRANSFORMER
 2" RSC RISER, WEATHERHEAD
 & PVC TO HH 27:
 2-1/C #2
 1-1/C #2 INS. GR.



PLOTTED/REVISED: 2/14/2013

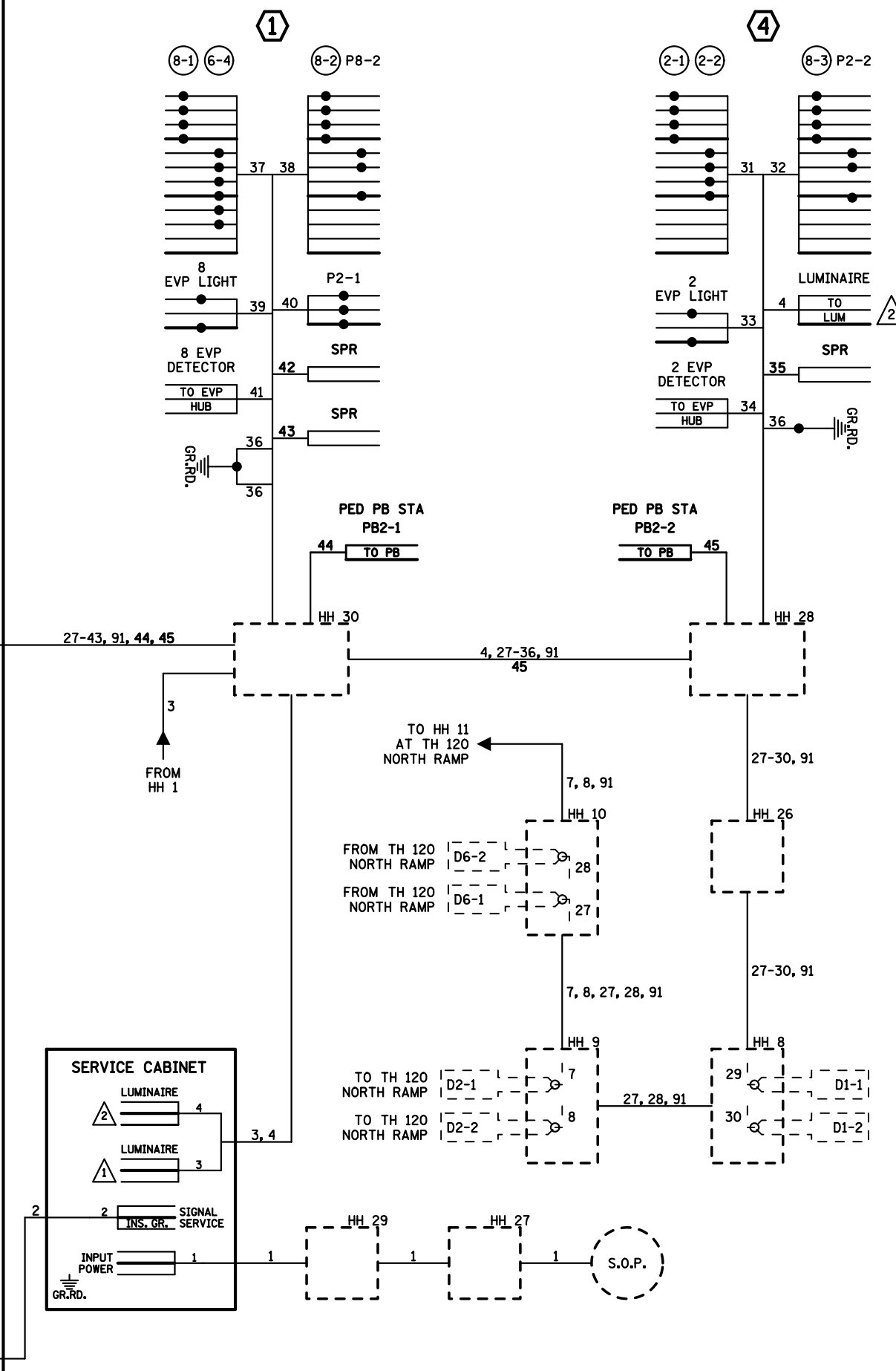
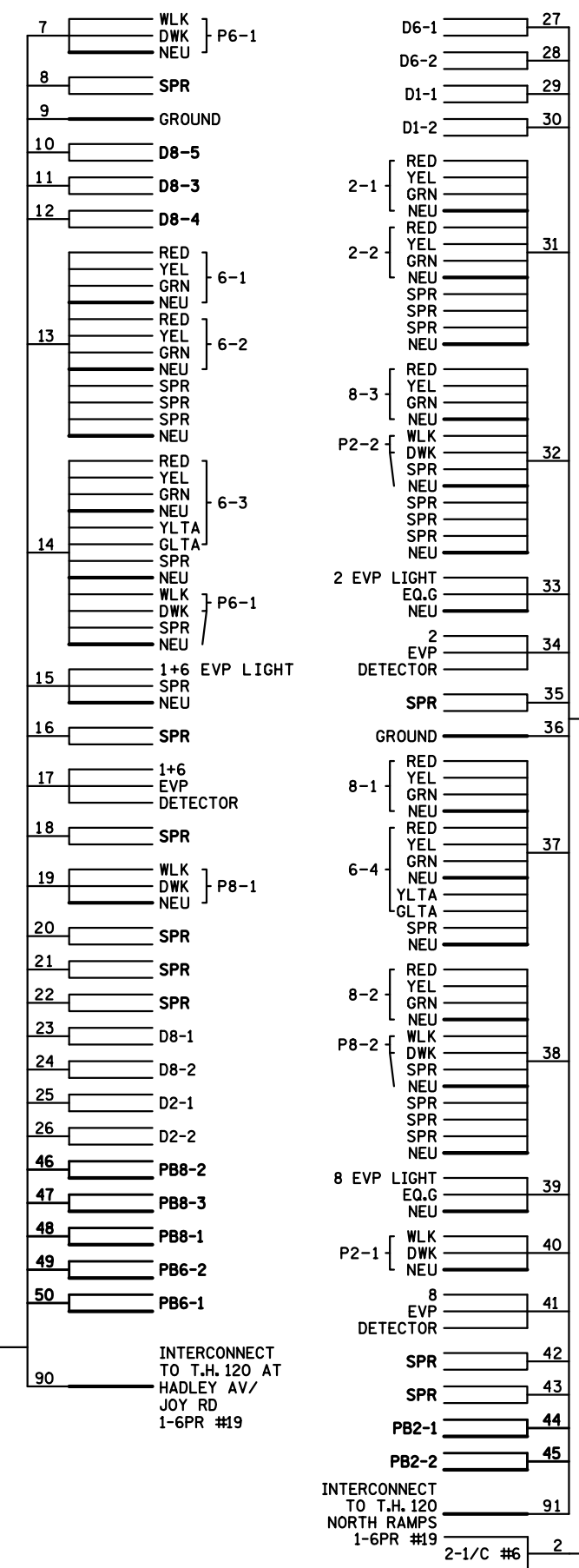
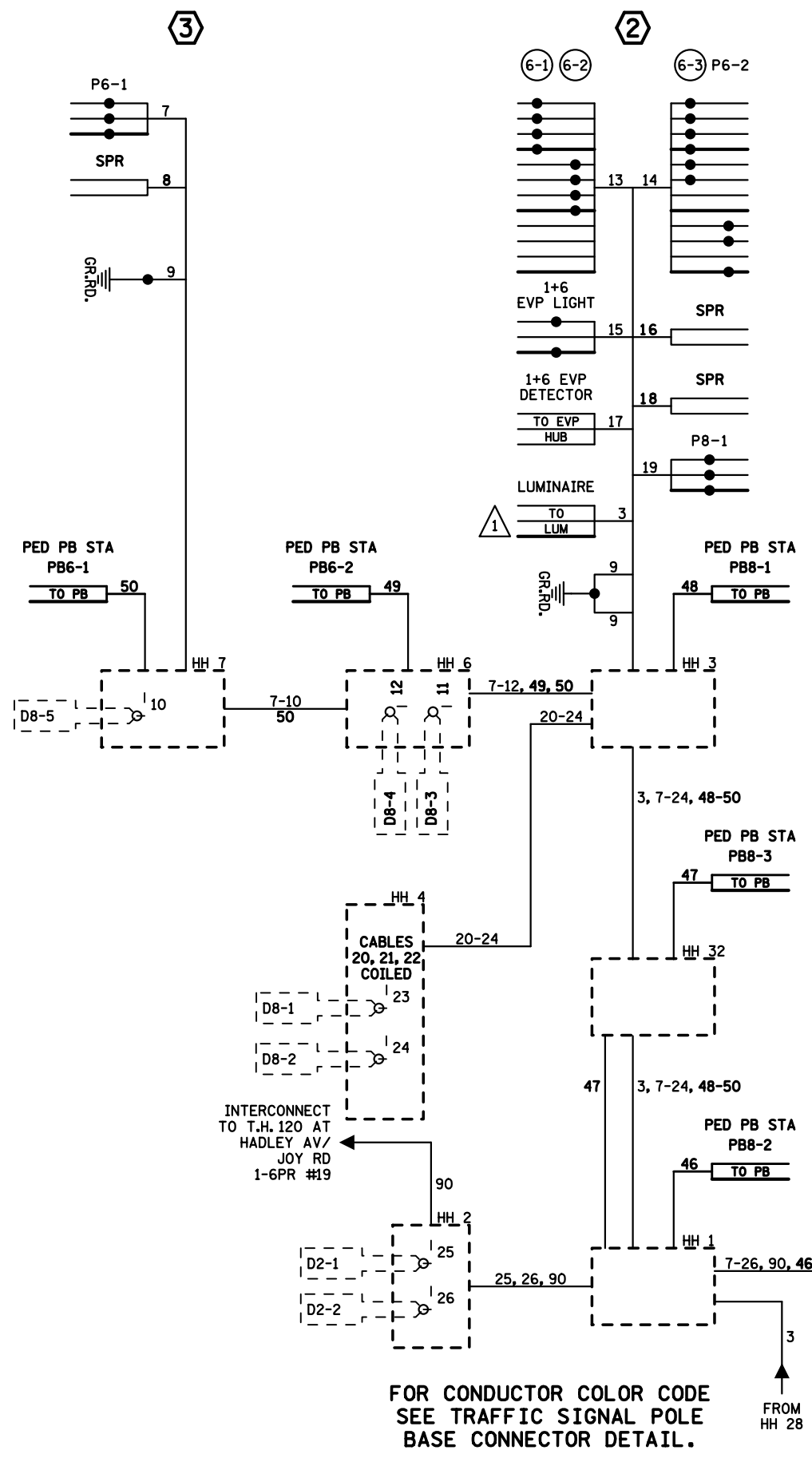
DISTRICT #: METRO
 IPLOT NAME: mathcalline & notes a
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BY	DATE	REVISIONS	SYSTEM ID: 21748	T.E. 5387	MATCH LINE LAYOUTS AND NOTES T.H. 694 AT T.H. 120 SOUTH RAMPS IN OAKDALE, WASHINGTON COUNTY AND MAPLEWOOD, RAMSEY COUNTY	S.A.P. NO.	DRAWN BY:GDS	CKD BY:BTJ	DATE:05-16-11	
EJA	02/04/13	CORRECTION TO AS-BUILT OF SP 6286-56	METER ADDRESS: 5700 GENEVA AVE NORTH			CERTIFIED BY <i>Michael P. Gubinsky</i>	LIC. NO. 19863	DATE: 02-10-12		
			MASTER ID:	T.E.		STATE PROJ.NO. (T.H.694)	SHEET NO. 2 OF 3 SHEETS			

PLOTTED/REVISED: 2/14/2013

DISTRICT #: METRO
IPLOT NAME: wiring a
PATH & FILENAME: IP_PWP-d0783143V21748_sgl.dgn

CONTROLLER CABINET



BY	DATE	REVISIONS
EJA	02/04/13	CORRECTION TO AS-BUILT OF SP 6286-56

SYSTEM ID: 21748	T.E. 5387
METER ADDRESS: 5700 GENEVA AVE NORTH	
MASTER ID:	T.E.

FIELD WIRING DIAGRAM
T.H. 694 AT T.H. 120 SOUTH RAMPS
IN OAKDALE, WASHINGTON COUNTY
AND MAPLEWOOD, RAMSEY COUNTY

S.A.P. NO.	DRAWN BY: GDS	CKD BY: BTJ	DATE: 05-16-11
CERTIFIED BY: <i>Michael P. Gelinsky</i>	LIC. NO. 19863	DATE: 02-10-12	
STATE PROJ. NO. (T.H. 694)	SHEET NO. 3 OF 3 SHEETS		