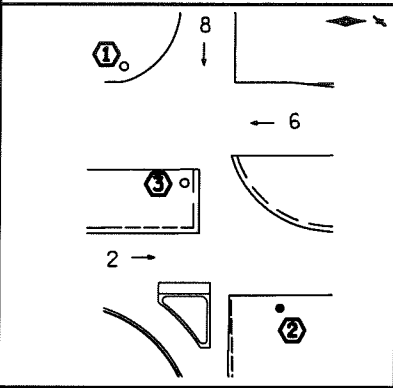


**PVC LOOP DETECTORS**

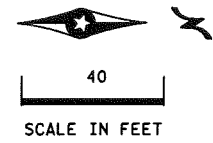
NUMBER	SIZE (FEET)	LOCATION
D2-1	6 X 6	240
D2-2	6 X 6	240
D2-3	6 X 6	240
D6-1	6 X 6	400
D6-2	6 X 6	400
D6-3	6 X 6	400
D8-1	6 X 6	250
D8-2	6 X 6	250
D8-3	6 X 6	250
D8-4	3-6 X 6	5
D8-5	2-6 X 6	5
D8-6	2-6 X 6	5

LOCATION = DISTANCE FROM STOP BAR IN FEET

**CONTROLLER PHASING**



**MATCH LINE B**



**SIGNAL FACES**

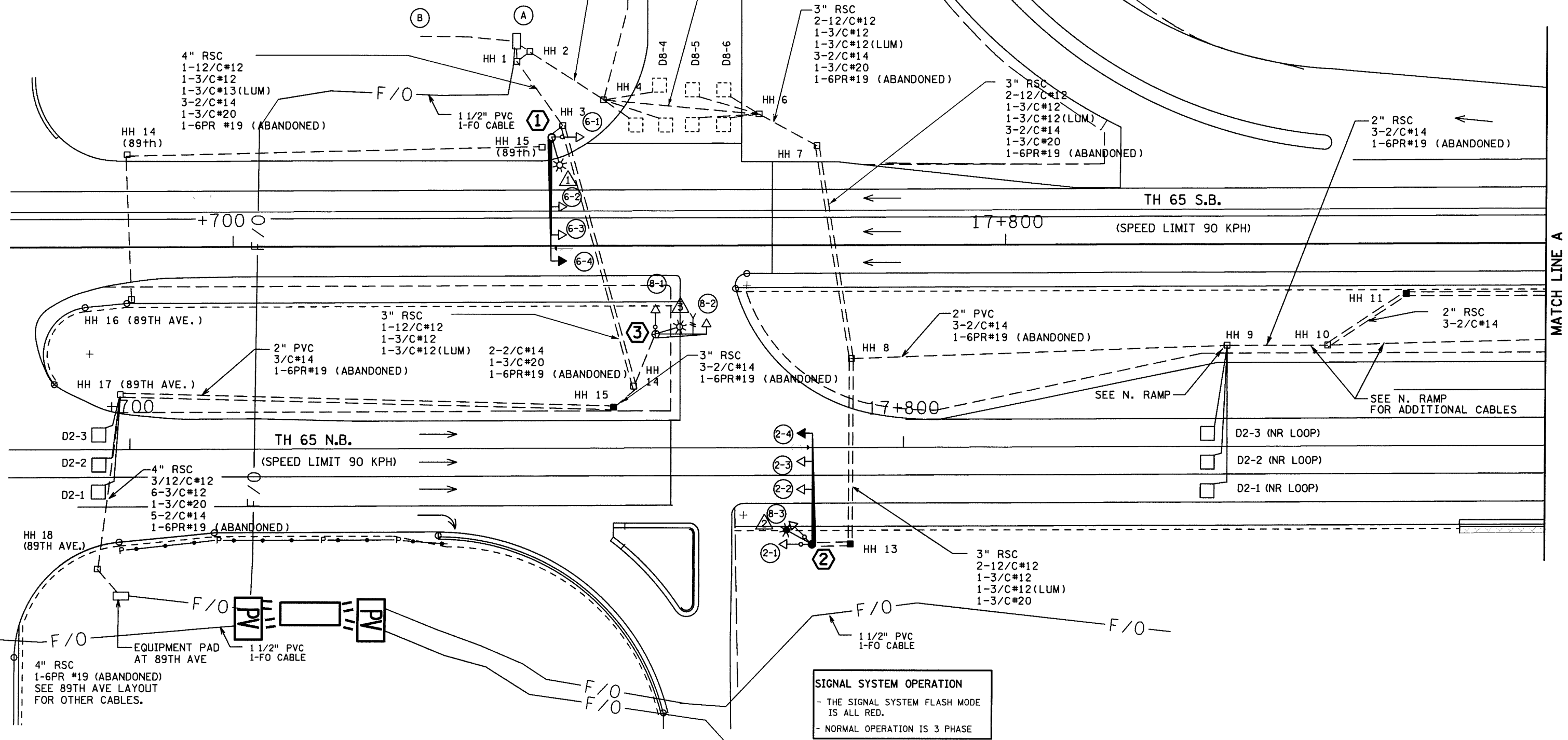
ALL INDICATIONS SHALL BE 12" LED

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

EACH SIGNAL FACE SHALL HAVE A BACKGROUND SHIELD.

PLOTTED/REVISED: 7/23/2013

DISTRICT #: METRO  
PLOT NAME: layout  
PATH & FILENAME: IP\_PWP\d0781349VT22209\_sgl.dgn



**SIGNAL SYSTEM OPERATION**  
 - THE SIGNAL SYSTEM FLASH MODE IS ALL RED.  
 - NORMAL OPERATION IS 3 PHASE

BY	DATE	REVISIONS	SYSTEM ID: 22209	T.E.	S.A.P. NO.	DRAWN BY: SJK	CKD BY: COB	DATE: 05-23-11
		AS-BUILT PLAN SP 0207-94	METER ADDRESS: 8901 CENTRAL AVE NE		CERTIFIED BY: <i>Michael P. Gelinsky</i>	LIC. NO. 19863	DATE: 05-23-11	
			MASTER ID:	T.E.	STATE PROJ. NO. 0207-94 (T.H.65) SHEET NO. SS36 OF SS88 SHEETS			

PLOTTED/REVISED: 7/23/2013

DISTRICT #: METRO  
PLOT NAME: notes  
PATH & FILENAME: IP\_PWP:d0781349T.22209...sgl.dgn

(A)

EQUIPMENT PAD  
 CONTROLLER AND CABINET  
 SERVICE CABINET  
 CONTROLLER CABINET TO HH 1  
 4" RSC  
 1-12/C#12  
 1-3/C#12  
 3-2/C#14  
 1-6PR#19 (ABANDONED)  
 CONTROLLER CABINET TO HH 2  
 4" RSC  
 2-12/C#12  
 1-3/C#12  
 1-3/C#20  
 3-2/C#14  
 1-6PR#19 (ABANDONED)  
 SERVICE CABINET TO  
 CONTROLLER CABINET  
 2" RSC  
 2-1/C#6  
 1-1/C#6 INS. GR.  
 SERVICE CABINET TO HH 1  
 2" RSC  
 4-3/C#12(LUM)  
 HH 1 TO HH 2  
 2" RSC  
 1-3/C#12(LUM)  
 STUB OUT (THREAD AND CAP BOTH ENDS)  
 3" RSC  
 2" RSC  
 SERVICE CABINET TO SOP  
 2" RSC  
 3-1/C#2

CONTROLLER CABINET TO TMS PULL VAULT  
 1 1/2" PVC INSIDE EXISTING 3" RSC:  
 1-6SM FIBER OPTIC

(B)

SOP  
 WOOD POLE AND TRANSFORMER  
 2" RSC RISER AND WEATHER HEAD WITH  
 3-1/C #2  
 2" RSC TO SERVICE CABINET  
 3-1/C #2

①

PA100 POLE FOUNDATION  
 TYPE PA100-A-40-D40-9 (DAVIT AT 350)  
 A-50(MAST ARM)  
 3 ONE WAY SIGNALS OVERHEAD (0, 11 AND 23' FROM  
 THE END OF THE MAST ARM)  
 1- TYPE 10A POLE MOUNTED AT 270  
 1- ONEWAY EVP DETECTOR AND CONFIRMATORY LIGHT  
 (PHASE 6) MOUNTED 6' FROM THE END  
 OF THE MAST ARM  
 LUMINAIRE 200 W HPS  
 1- R9-3a SIGN (NO PED) MOUNT AT 270  
 EXTEND INTO HH 3:  
 4" RSC  
 2-12/C #12  
 1-3/C#12  
 1-3/C #12(LUM)  
 1-3/C #20

③

PA90 POLE FOUNDATION  
 TYPE PA90-A-20-D40-9 (DAVIT AT 350)  
 1- ONE WAY SIGNALS OVERHEAD (0' FROM  
 THE END OF THE MAST ARM)  
 1- TYPE 10A POLE MOUNTED AT 270  
 1- ONEWAY EVP DETECTOR AND CONFIRMATORY LIGHT  
 (PHASE 8) MOUNTED 6' FROM THE END  
 OF THE MAST ARM  
 LUMINAIRE 200 W HPS  
 EXTEND INTO HH 14  
 3" RSC  
 1-12/C#12  
 1-3/C#12  
 1-3/C#12(LUM)  
 1-3/C#20

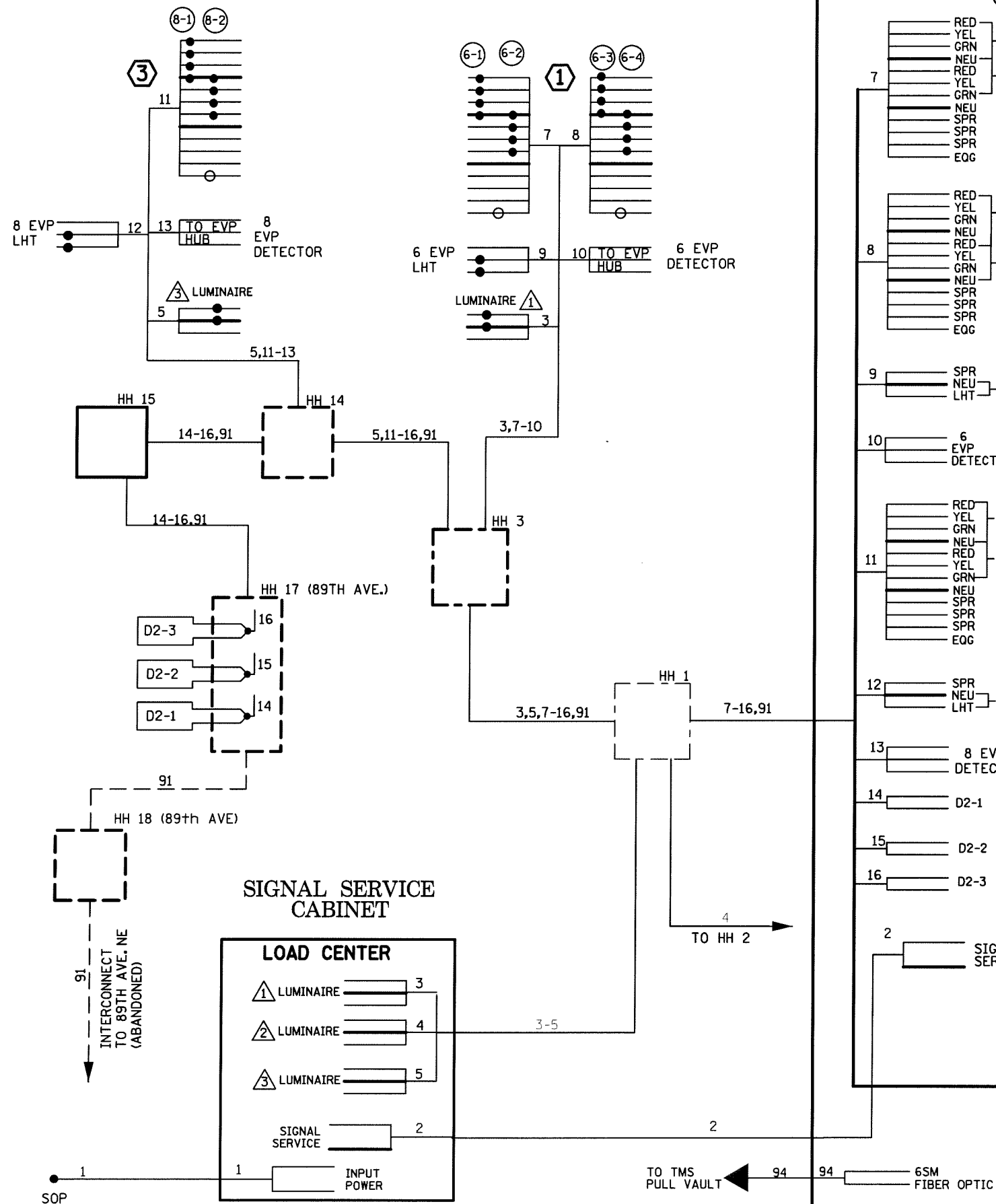
②

PA100 POLE FOUNDATION  
 TYPE PA100-A-50-D40-9 (DAVIT AT 350)  
 (50 MAST ARM,  
 3- ONE WAY SIGNALS OVERHEAD (0, 11 AND 23' FROM  
 THE END OF THE MAST ARM)  
 2- TYPE 10A POLE MOUNTED AT 0 & 270  
 1- ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT  
 (PHASE 2) MOUNTED 6' FROM THE END OF THE MAST ARM  
 LUMINAIRE 200 W HPS  
 1- R9-3a SIGN (NO PED) MOUNT AT 270  
 EXTEND INTO HH 13:  
 3"RSC  
 2-12/C #12  
 1-3/C #12  
 1-3/C#12(LUM)  
 1-3/C #20

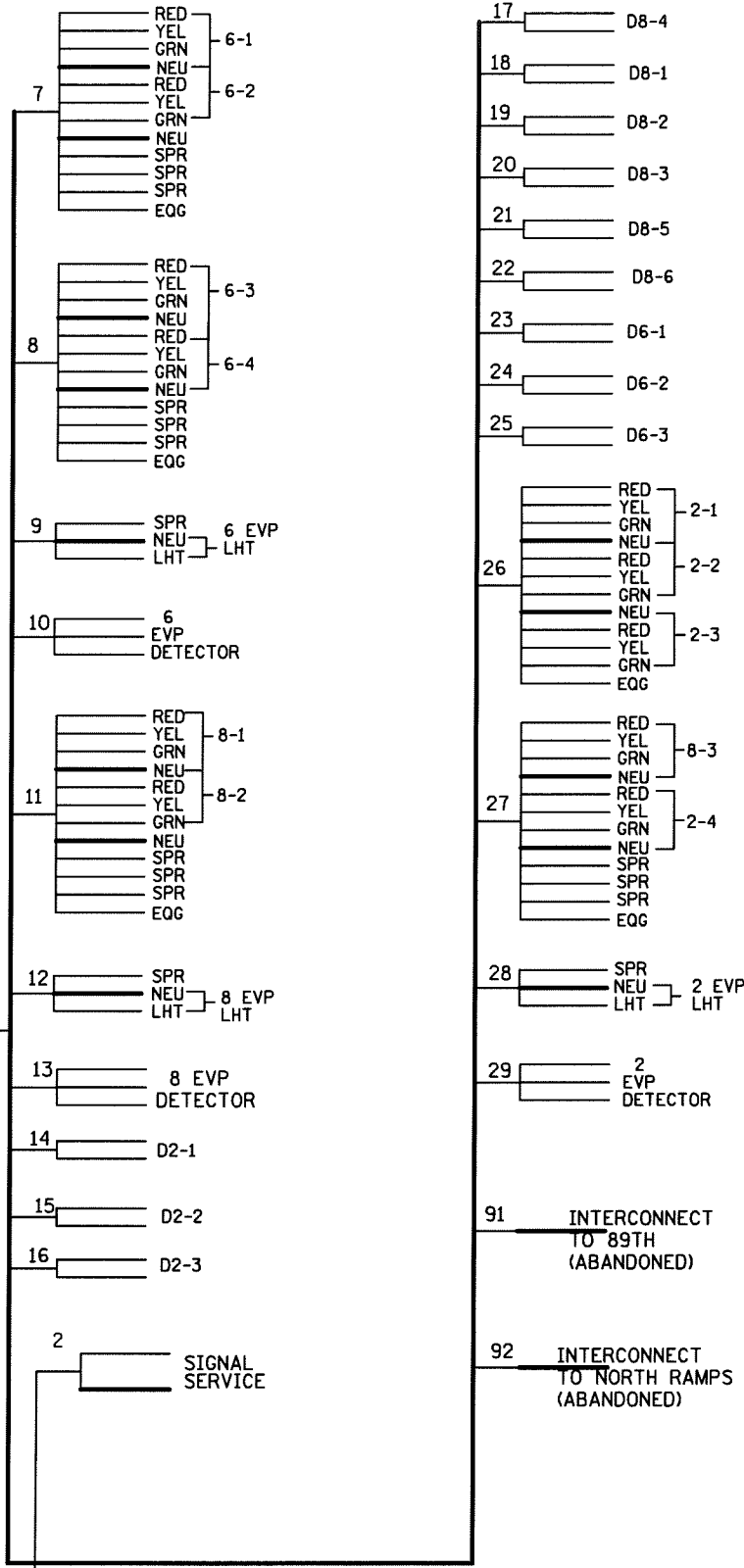
BY	DATE	REVISIONS	SYSTEM ID: 22209	T.E.	POLE NOTES T.H. 65 AT TH 10 SOUTH RAMP IN BLAINE, ANOKA COUNTY	S.A.P. NO.	DRAWN BY: SJK	CKD BY: CDB	DATE: 05-23-11
		AS-BUILT PLAN SP 0207-94	METER ADDRESS: 8901 CENTRAL AVE NE			CERTIFIED BY <i>Michael P. Selinsky</i>	LIC. NO. 19863	DATE: 05-23-11	
			MASTER ID:	T.E.		STATE PROJ.NO. 0207-94 (T.H.65) SHEET NO. SS38 OF SS88 SHEETS			

PLOTTED/REVISED: 7/23/2013

DISTRICT #: METRO  
PLOT NAME: wiring diagram  
PATH & FILENAME: IP\_PWP-d0781349T22209\_sgl.dgn

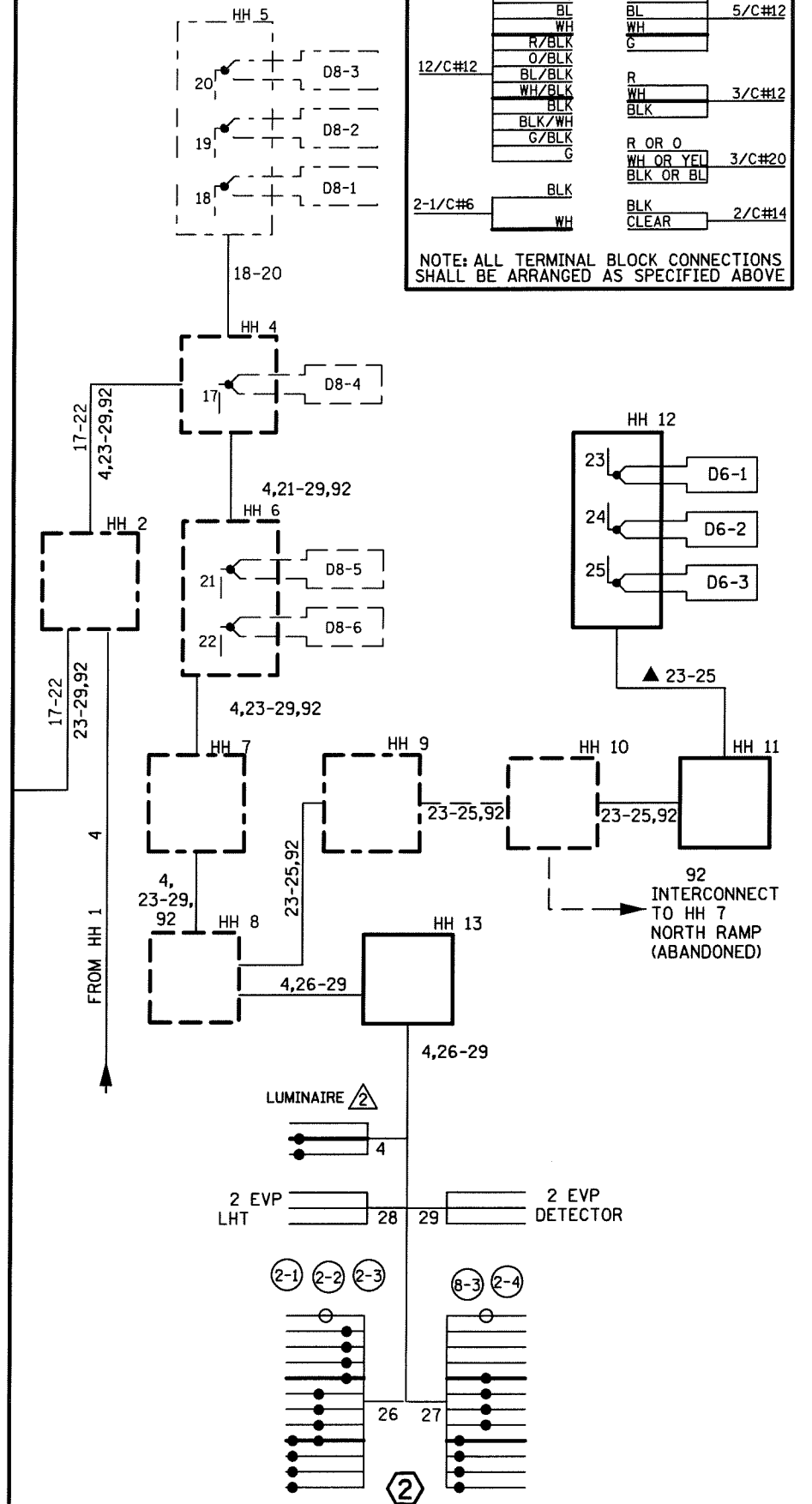


### CONTROLLER CABINET



CONDUCTOR COLOR CODING	
R	R
O	BL
BL	WH
WH	G
R/BLK	5/C#12
O/BLK	
BL/BLK	
WH/BLK	R
BLK	WH
BLK/WH	3/C#12
G/BLK	BLK
G	R OR O
	WH OR YEL
	3/C#20
	BLK OR BL
2-1/C#6	BLK
	WH
	2/C#14
	CLEAR

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



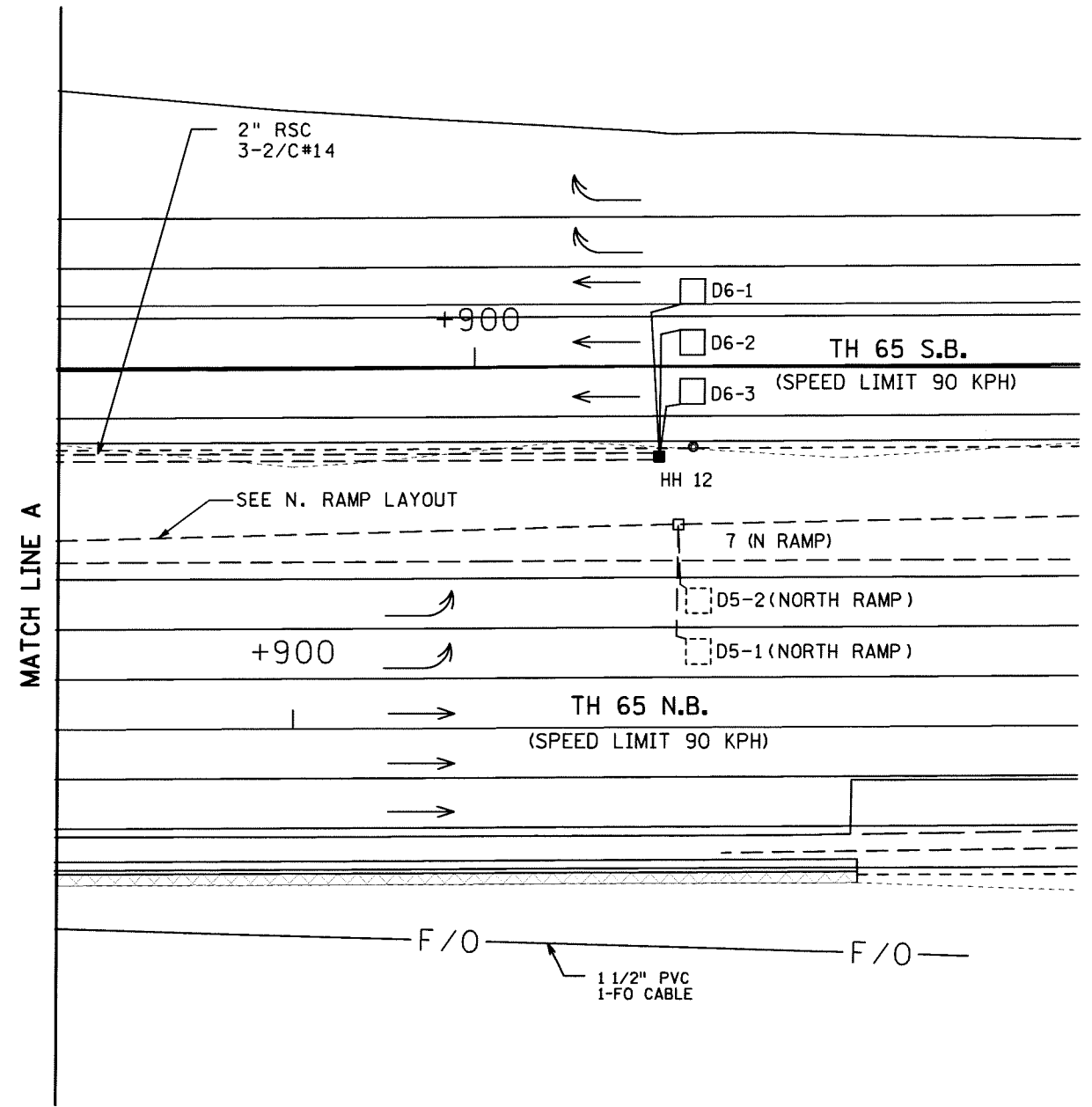
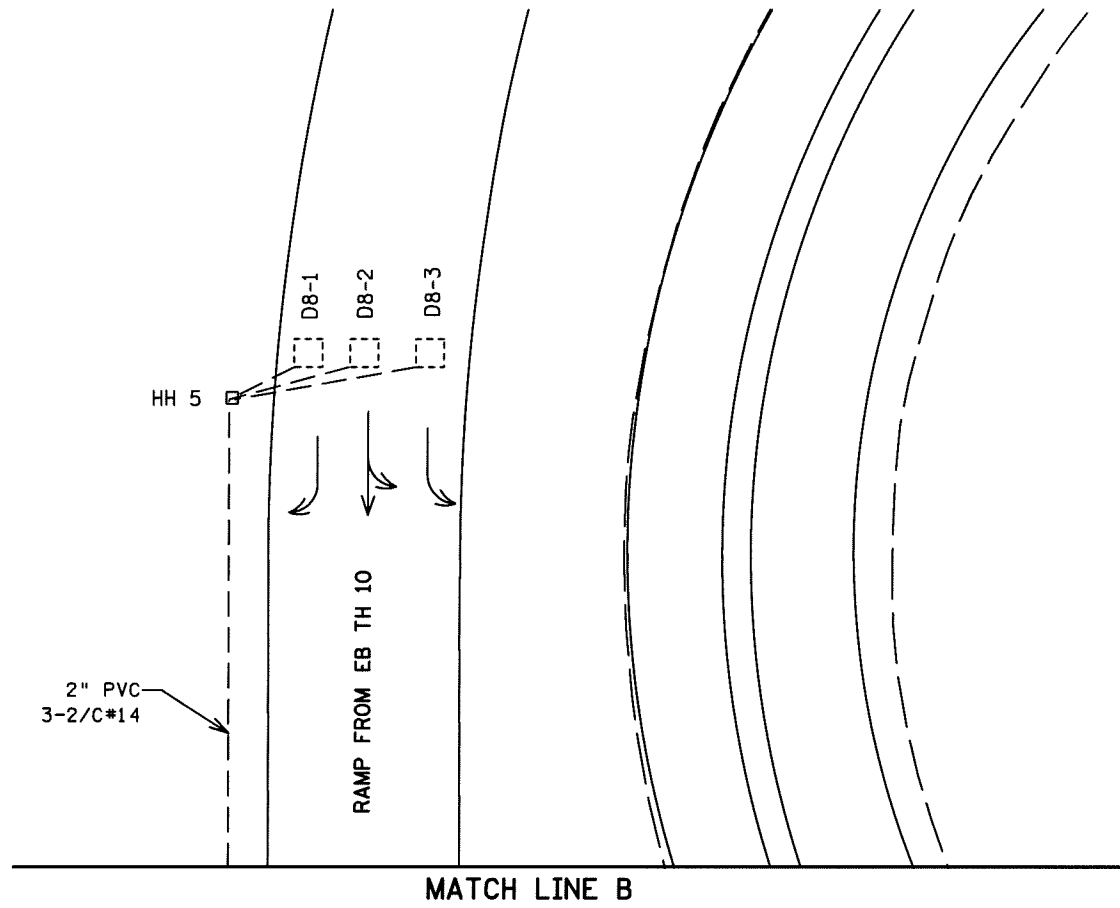
BY	DATE	REVISIONS
		AS-BUILT PLAN SP 0207-94

SYSTEM ID: 22209 T.E.  
 METER ADDRESS: 8901 CENTRAL AVE NE  
 MASTER ID: T.E.

FIELD WIRING DIAGRAM  
 T.H. 65 AT TH 10 SOUTH RAMP  
 IN BLAINE, ANOKA COUNTY

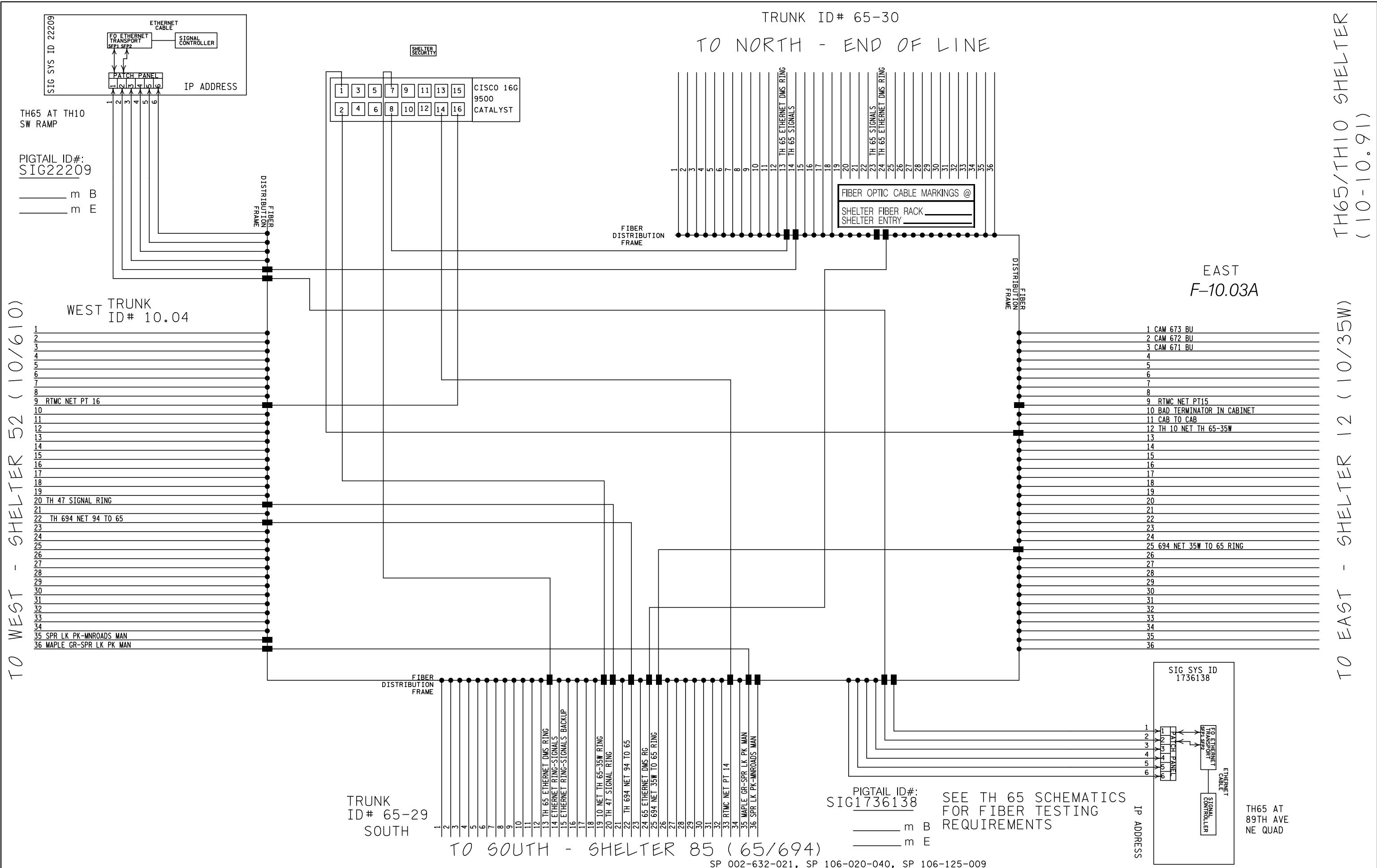
S.A.P. NO. DRAWN BY: SJK CKD BY: COB DATE: 05-23-11  
 CERTIFIED BY: *Michael P. Delaney* LIC. NO. 19863 DATE: 05-23-11  
 STATE PROJ. NO. 0207-94 (T.H. 65) SHEET NO. SS39 OF SS88 SHEETS

PLOTTED/REVISED: 7/23/2013



DISTRICT #: METRO  
 IPLOT NAME: match lines  
 PATH & FILENAME: IP\_PWP-d0781349\T22209\_sgl.dgn

BY	DATE	REVISIONS	SYSTEM ID: 22209	T.E.	S. A. P. NO.	DRAWN BY: SJK	CKD BY: CDB	DATE: 05-23-11
		AS-BUILT PLAN SP 0207-94	METER ADDRESS: 8901 CENTRAL AVE NE		CERTIFIED BY: <i>Michael P. Dubinsky</i>			
			MASTER ID:	T.E.	LIC. NO. 19863			DATE: 05-23-11
<b>MATCH LINES</b> <b>T.H. 65 AT TH 10 SOUTH RAMP</b> <b>IN BLAINE, ANOKA COUNTY</b>					<b>STATE PROJ. NO. 0207-94 (T.H. 65)</b> <b>SHEET NO. SS37 OF SS88 SHEETS</b>			



TH65/TH10 SHELTER  
(10-10.91)

TO EAST - SHELTER 12 (10/35W)

TO WEST - SHELTER 52 (10/610)

TRUNK ID# 65-30  
TO NORTH - END OF LINE

EAST  
F-10.03A

TRUNK  
ID# 65-29  
SOUTH

TO SOUTH - SHELTER 85 (65/694)

PIGTAIL ID#:  
SIG1736138 SEE TH 65 SCHEMATICS  
FOR FIBER TESTING  
REQUIREMENTS

IP ADDRESS

TH65 AT  
89TH AVE  
NE QUAD

SP 002-632-021, SP 106-020-040, SP 106-125-009