

PLOTTED/REVISED: 6-APR-2023

DISTRICT *: Metro
PLOT NAME: Street_B
FILENAME: Projects\DM_FOS\01000001\Traffic\Signals\227.0 TH10-47 @ (7)7TH AVE S RAMP (735043)\PENDING\T20211.sgl.dgn

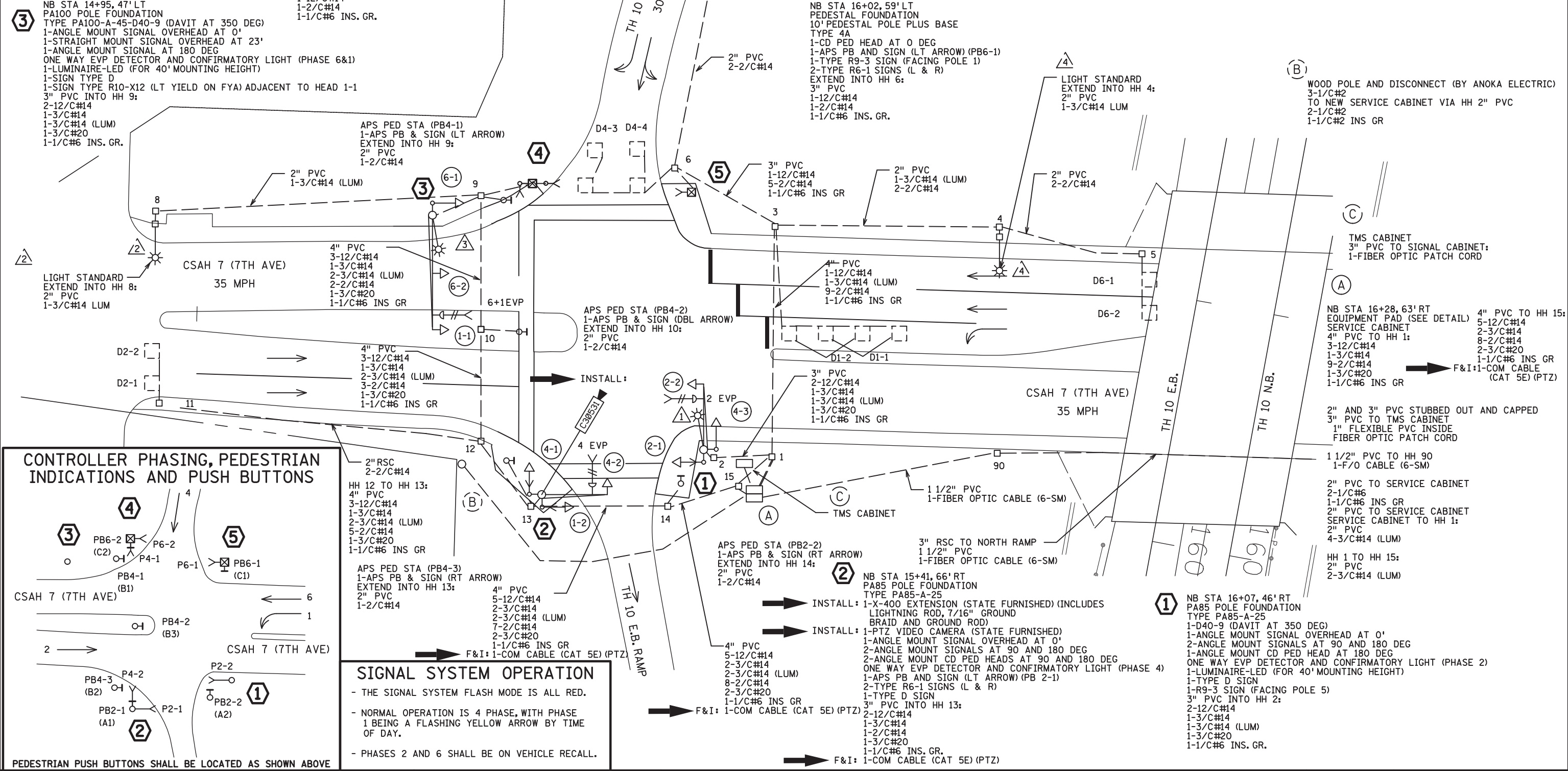
LOOP DETECTOR CHART		
NUMBER	SIZE (FT)	LOCATION
D1-1	6X6	20'&50'
D1-2	6X6	5'&35'
D2-1,D2-2	6X6	150'
D4-1,D4-2	6X6	120'
D4-3	2-6X6	5'&20'
D4-4	2-6X6	5'&20'
D6-1,D6-2	6X6	170'

-ALL LOOP DETECTORS ARE VC

-LOCATION: DISTANCE FROM CROSSWALK/STOP BAR IN FEET

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

-ALL SIGNAL INDICATIONS ARE 2" LEDS
-ALL SIGNAL HEADS ARE BLACK POLYCARBONATE WITH BACKGROUND SHIELDS
-FYA DENOTES FLASHING YELLOW ARROW

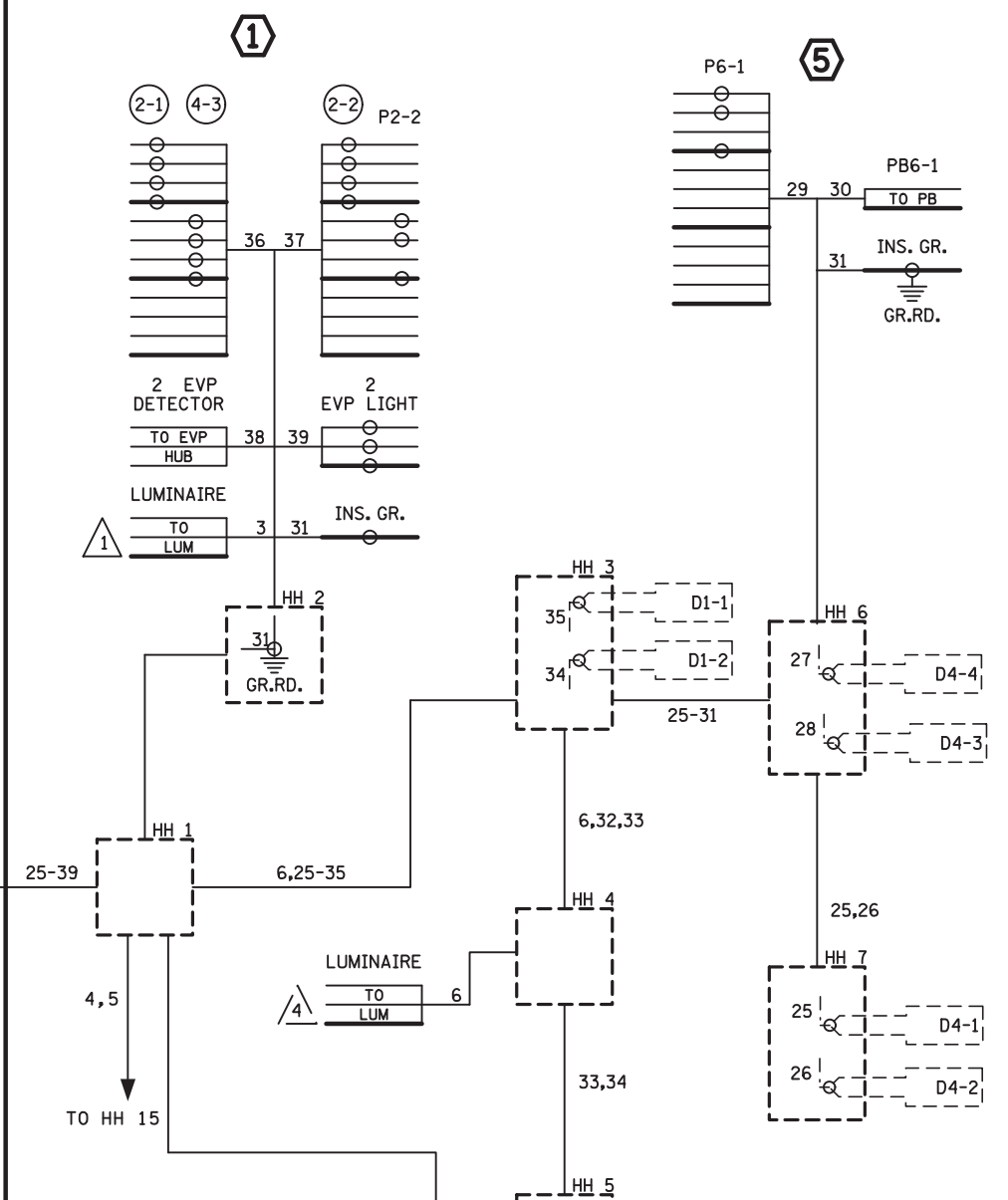
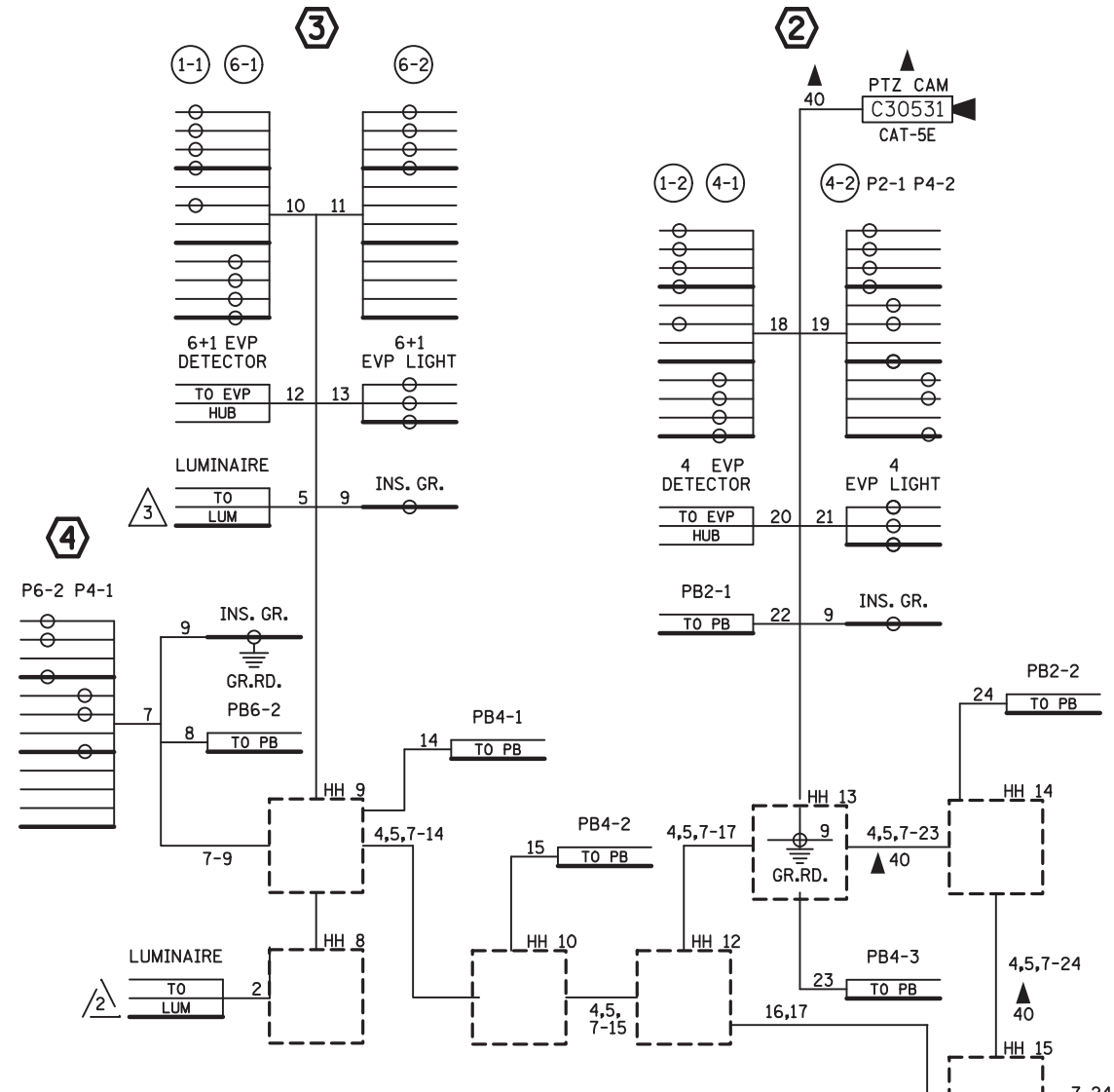
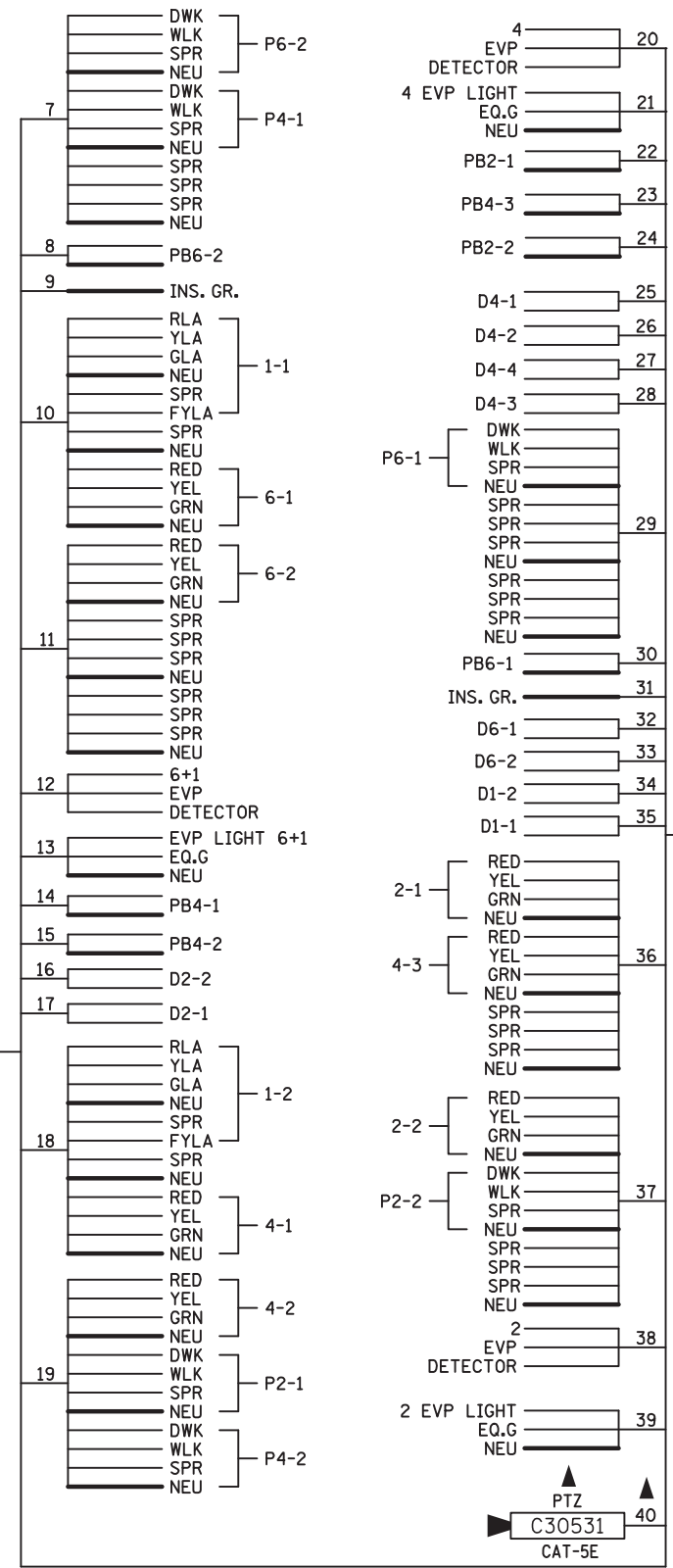


BY	DATE	REVISIONS	SYSTEM ID: 1735043	T.E. 92817	S.A.P. NO.	DRAWN BY: HRL	CKD BY: CDB	DATE: 03/31/23
			METER ADDRESS: HWY 10 AT 7TH AVE		CERTIFIED BY: <i>Gregory Kern</i>	LIC. NO. 26829	DATE: 04/04/23	
			OLD SYSTEM ID: 20211		STATE PROJ. NO. 8825-1025 (T.H.999) SHEET NO. 8 OF 121 SHEETS			

PLOTTED/REVISED: 6-APR-2023

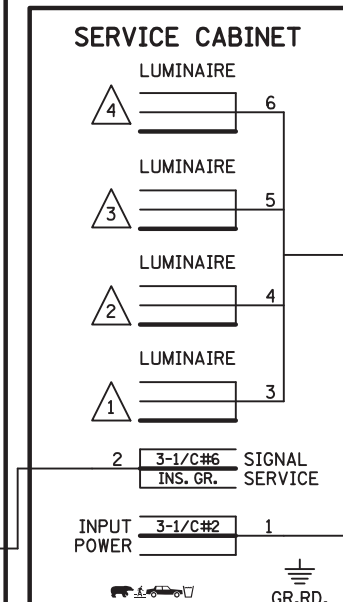
DISTRICT *: Metro
PLOT NAME: Street_9
FILENAME: Projects\DM_POS\010000\Traffic\Signals\227.0 TH10-4r @ (7)7TH AVE S RAMP (735043)\PENDING\T2021L-sg1.dgn

CONTROLLER CABINET



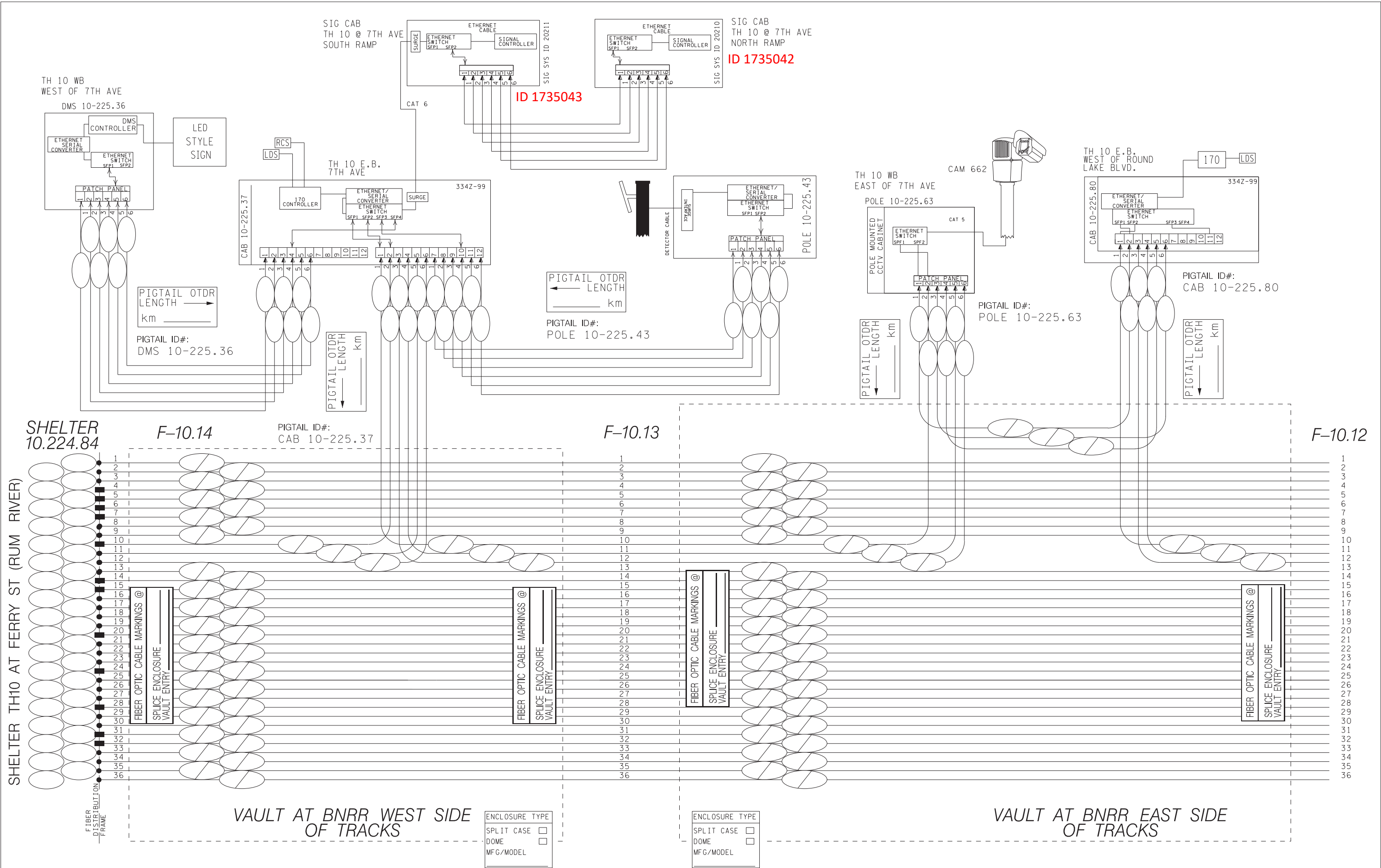
CONDUCTOR COLOR CODE (14 GAUGE)			
TO SIGNAL CABINET		TO DEVICE	
1/C#6 G	R	6/C#14 BL	RED
6PR#19	O	6/C#14 WH	YEL
COXIAL CABLE (6SM)	BLK/R	6/C#14 BLK/R	GRN
CABLE	BLK	6/C#14 BLK	NEU
3-1/C#2	R	4/C#14 BLK/R	YLA/FYA
3-1/C#6	WH	4/C#14 BLK	GLA
3-1/C#6	BLK	4/C#14 WH	RED/DWK
3-1/C#6	G	4/C#14 BLK	YEL/WLK
	WH	4/C#14 WH	GRN/SPR
	BLK	3/C#14 G	NEU
	O/BLK	3/C#14 WH	
	BL/BLK	2/C#14 BLK	EVP LIGHT
	WH/BLK	2/C#14 WH OR CLR	LUM/VIDEO CAMERA
	BLK	2/C#14 BLK	
	BLK/WH	2/C#14 WH OR CLR	PED PUSH BUTTON (If Required)
	BLK/R		
	WH/R		

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



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

▲ DENOTES REVISE SIGNAL SYSTEM PAY ITEM WORK. ALL OTHER ITEMS SHOWN ARE INPLACE.



PLOTTED/REVISED: 17-MAR-2021

DISTRICT *: Metro
PLOT NAME: T0215_92_TempSignalFiber
FILENAME: Projects\DM_FOS\010\0215\092\Traffic\Signal\T0215_92_TempSignal.dgn

SEE SHELTER SHEET 51

SHEET 10.7

FIBER OPTIC CABLE MARKINGS @
SHELTER FIBER RACK NA
SHELTER ENTRY 3005m

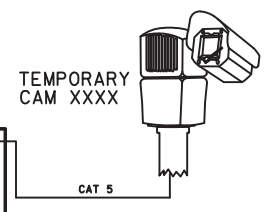
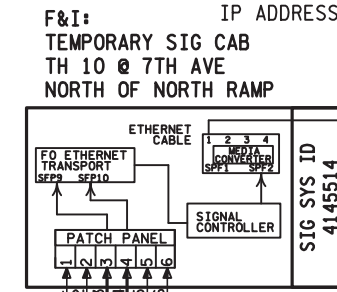
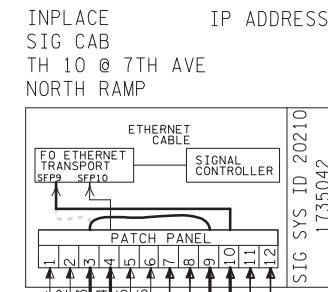
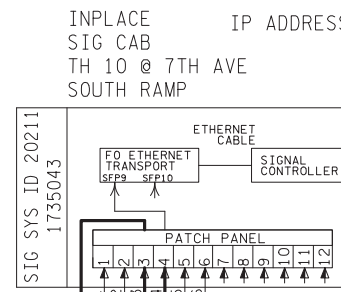
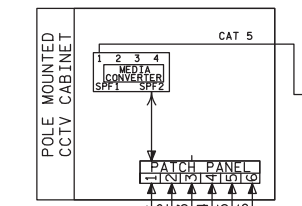
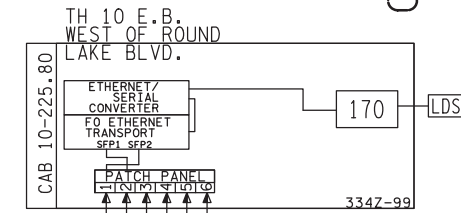
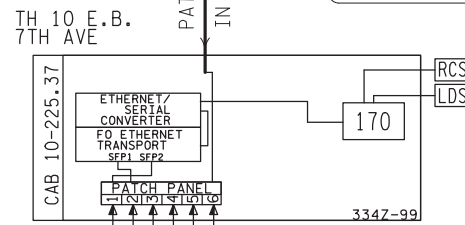
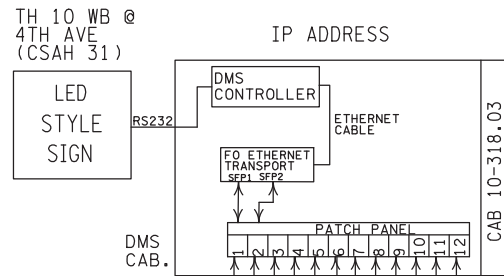
FIBER OPTIC CABLE MARKINGS @
SPLICE ENCLOSURE 4285m
VAULT ENTRY 4262m

FIBER OPTIC CABLE MARKINGS @
SPLICE ENCLOSURE 5056m
VAULT ENTRY 5031m

F-10.13

F-10.12

PIGTAIL ID#:
DMS10-318.03
_____ m B
_____ m E



CAM 662

MARKER - YES
TAP - YES
DRAIN - UNKNOWN
NEW CASE - LOOKS OK

VAULT AT BNRR-
EAST OF 7TH AVE.

① F&I 6-SM FIBER OPTIC PIGTAIL BETWEEN THE TEMPORARY CABINET AND THE NORTH RAMP SIGNAL CABINET. FIELD TERMINATE BOTH ENDS.

BY	DATE	REVISIONS	SYSTEM ID: 4145514	T.E. 30923	FIBER OPTIC INTERCONNECT SCHEMATIC	S.A.P. NO.	DRAWN BY:HRL	CKD BY:CDB	DATE:2/10/21
			METER ADDRESS:		T.H. 10 EXIT RAMP AT 7TH AVE. (C.S.A.H. 7)	CERTIFIED BY <i>Michael P. Libinsky</i>	LIC. NO. 19863		DATE: 3/16/21
			OLD SYSTEM ID: 20210		IN ANOKA, ANOKA COUNTY				
						STATE PROJ.NO. 0215-92 (T.H.10)	SHEET NO. SS6 OF SS9 SHEETS		

LOOP DETECTOR CHART		
NUMBER	SIZE (FT)	LOCATION
D1-1	6X6	20'x50'
D1-2	6X6	5'x35'
D2-1,D2-2	6X6	150'
D4-1,D4-2	6X6	120'
D4-3	2-6X6	5'x20'
D4-4	2-6X6	5'x20'
D6-1,D6-2	6X6	170'

-ALL LOOP DETECTORS ARE VC

-LOCATION: DISTANCE FROM CROSSWALK/STOP BAR IN FEET

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

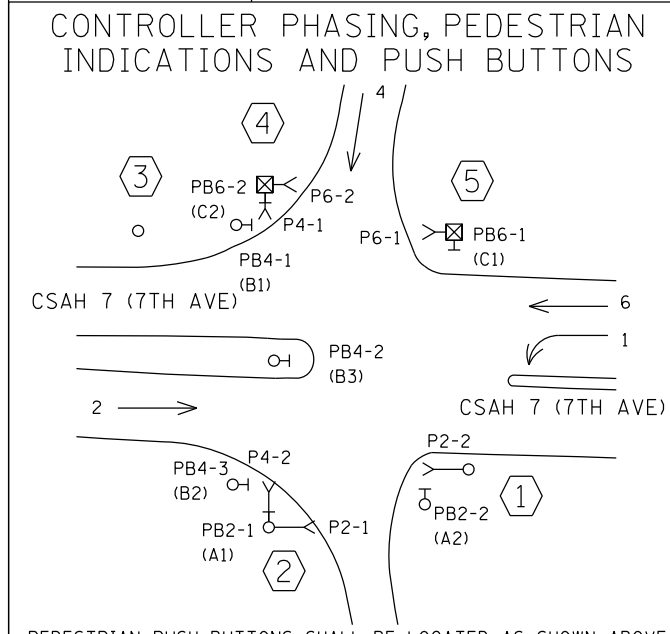
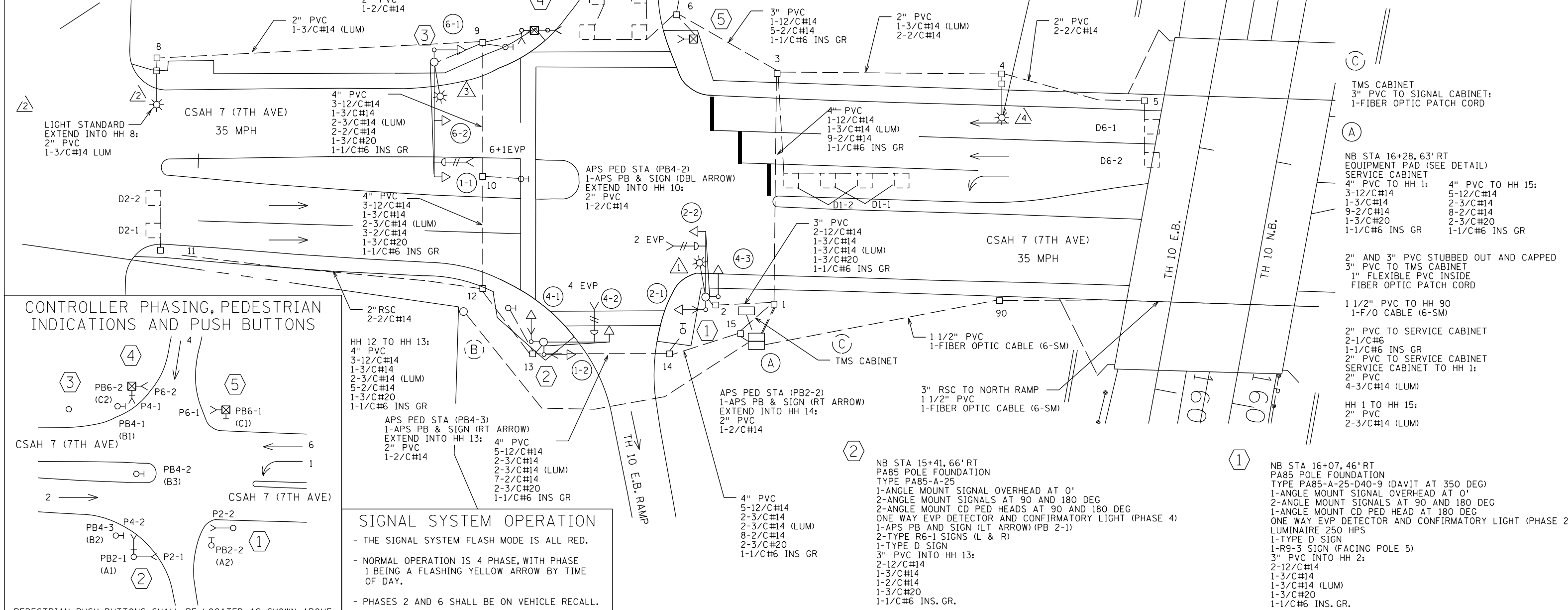
-ALL SIGNAL INDICATIONS ARE 2" LEDS
 -ALL SIGNAL HEADS ARE BLACK POLYCARBONATE WITH BACKGROUND SHIELDS
 -FYA DENOTES FLASHING YELLOW ARROW

3 NB STA 14+95, 47' LT
 PA100 POLE FOUNDATION
 TYPE PA100-A-45-D40-9 (DAVIT AT 350 DEG)
 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 1-STRAIGHT MOUNT SIGNAL OVERHEAD AT 23'
 1-ANGLE MOUNT SIGNAL AT 180 DEG
 ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASE 6&1)
 1-SIGN TYPE D
 1-SIGN TYPE R10-X12 (LT YIELD ON FYA) ADJACENT TO HEAD 1-1
 3" PVC INTO HH 9:
 2-12/C#14
 1-3/C#14
 1-3/C#14 (LUM)
 1-3/C#20
 1-1/C#6 INS. GR.

4 NB STA 15+36, 61' LT
 PEDESTAL FOUNDATION
 10' PEDESTAL POLE PLUS BASE
 TYPE 4B
 2-CD PED HEADS AT 90 AND 270 DEG
 1-APS PB AND SIGN (RT ARROW) (PB6-2)
 EXTEND INTO HH 9:
 3" PVC
 1-12/C#14
 1-2/C#14
 1-1/C#6 INS. GR.

5 NB STA 16+02, 59' LT
 PEDESTAL FOUNDATION
 10' PEDESTAL POLE PLUS BASE
 TYPE 4A
 1-CD PED HEAD AT 0 DEG
 1-APS PB AND SIGN (LT ARROW) (PB6-1)
 1-TYPE R9-3 SIGN (FACING POLE 1)
 2-TYPE R6-1 SIGNS (L & R)
 EXTEND INTO HH 6:
 3" PVC
 1-12/C#14
 1-2/C#14
 1-1/C#6 INS. GR.

B WOOD POLE AND DISCONNECT (BY ANOKA ELECTRIC)
 3-1/C#2
 TO NEW SERVICE CABINET VIA HH 2" PVC
 2-1/C#2
 1-1/C#2 INS GR



SIGNAL SYSTEM OPERATION

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

BY	DATE	REVISIONS
EJA	05-26-16	PLAN UPDATED

SYSTEM ID: 20211 T.E.
 METER ADDRESS: HWY 10 AT 7TH AVE
 MASTER ID: T.E.

INTERSECTION LAYOUT
 TH 10 AT CSAH 7 (7TH AVE) SOUTH RAMP
 IN ANOKA, ANOKA COUNTY

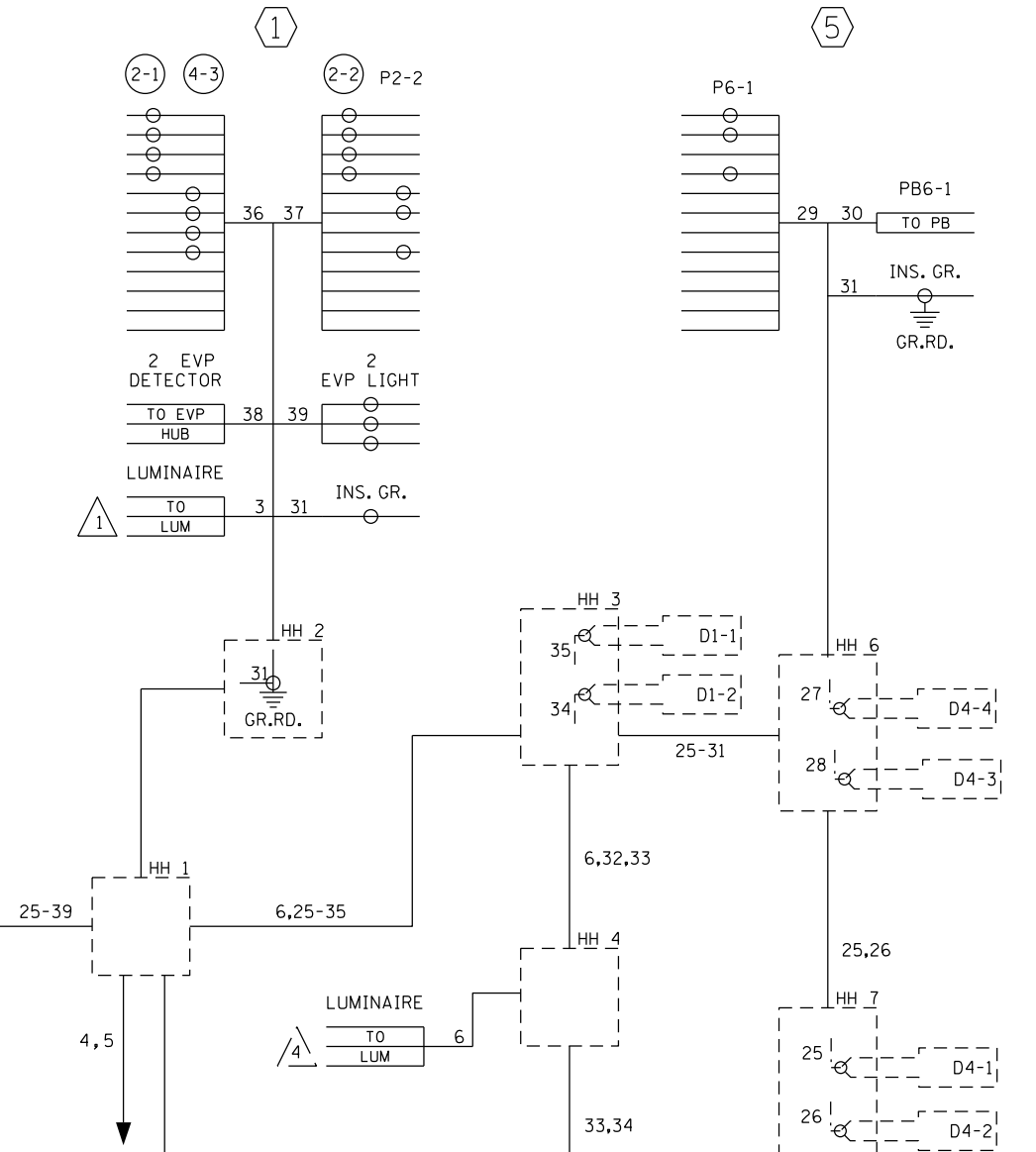
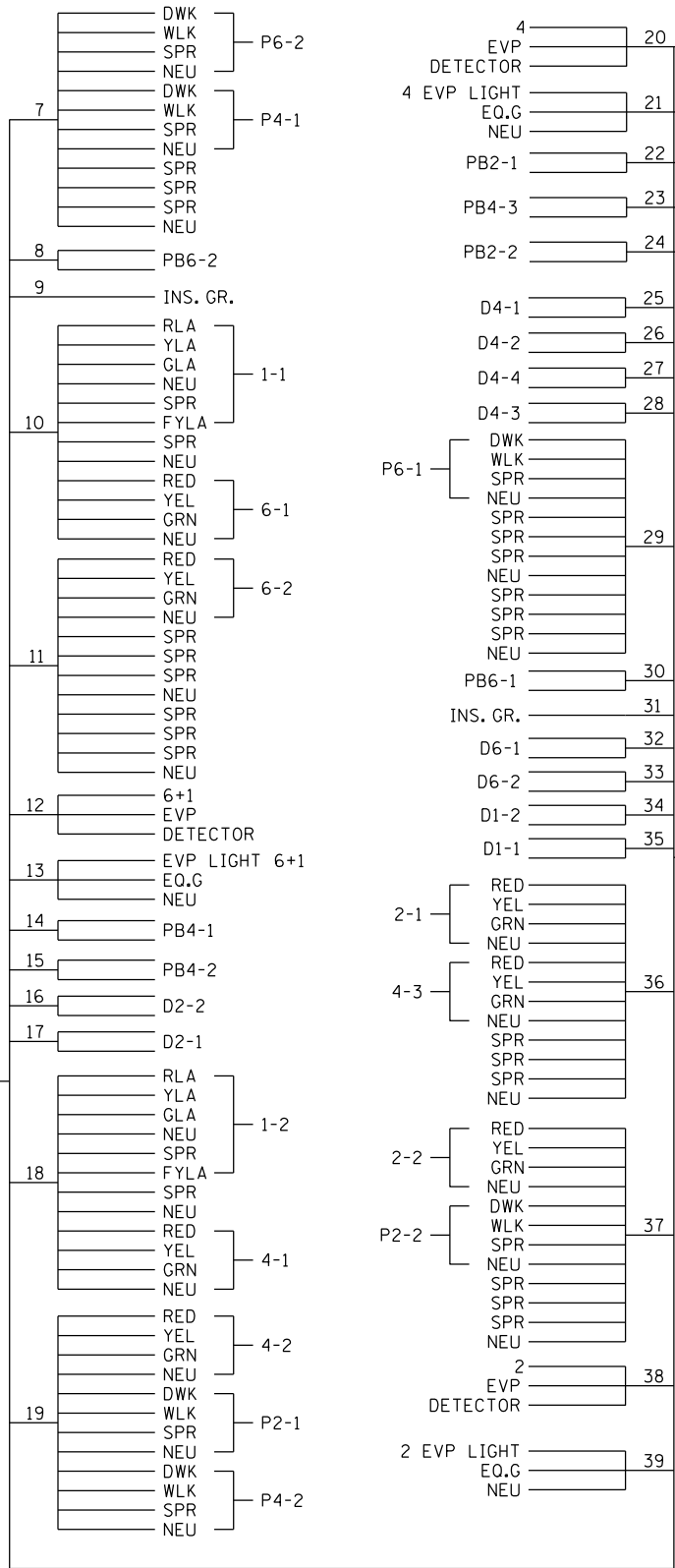
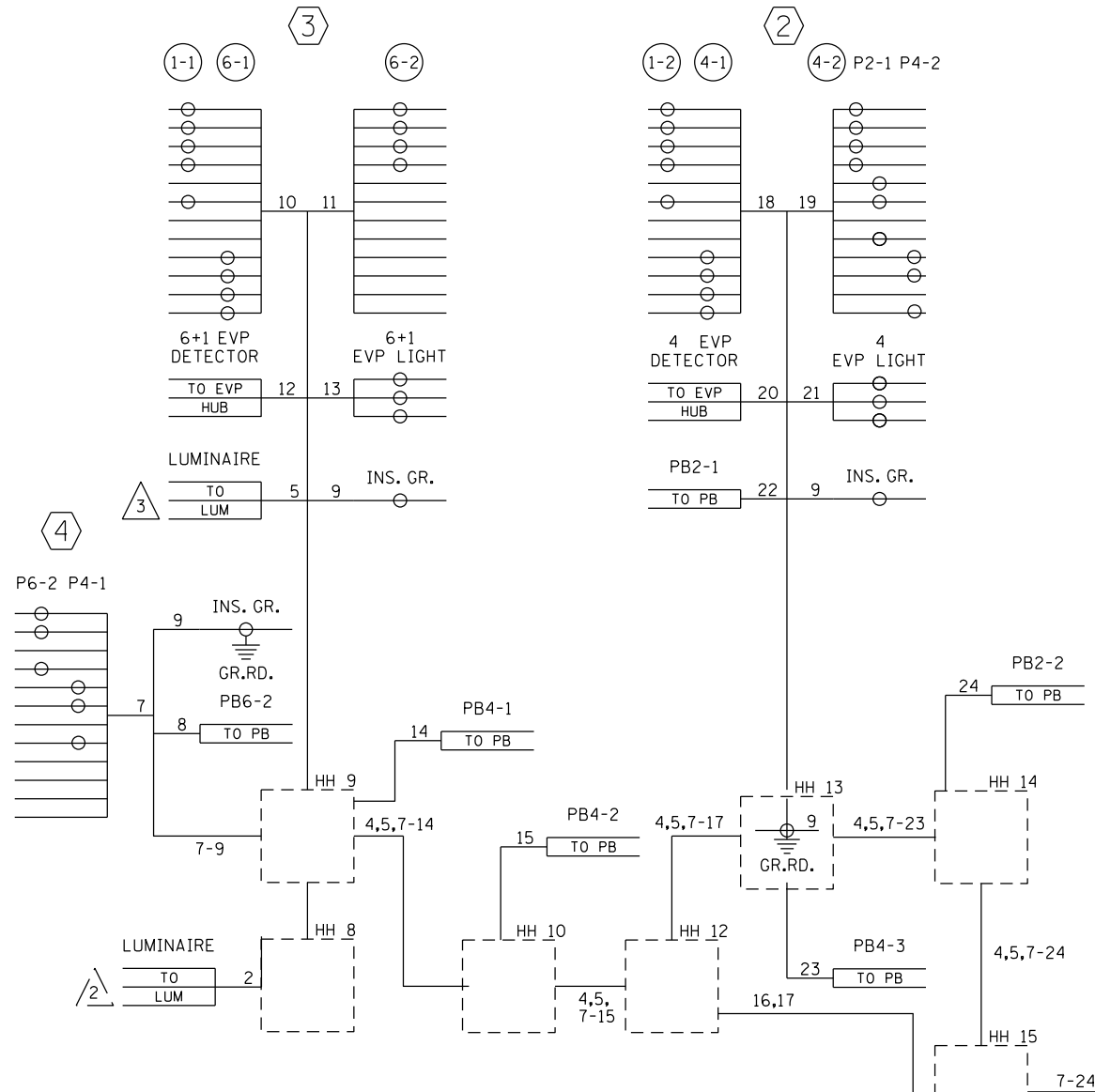
S.A.P. NO.	DRAWN BY: SJK	CKD BY: MJF	DATE: 04-21-11
CERTIFIED BY: _____	LIC. NO. _____	DATE: 04-21-11	
STATE PROJ. NO. _____	(T.H.10)	SHEET NO. 1 OF 3 SHEETS	

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

PLOTTED/REVISED: \$@DATE@

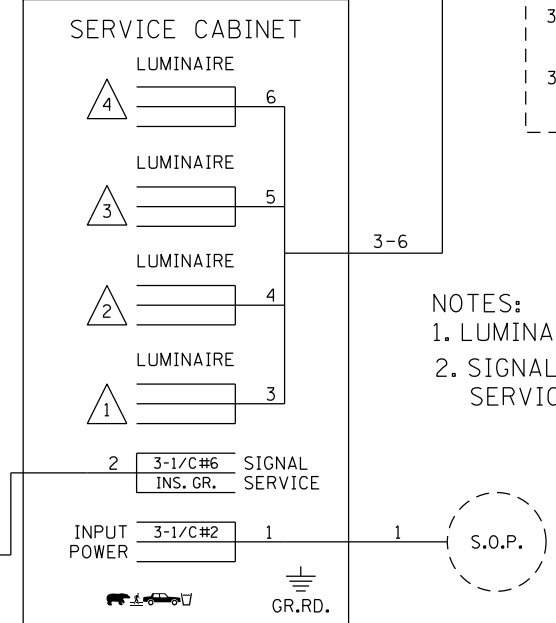
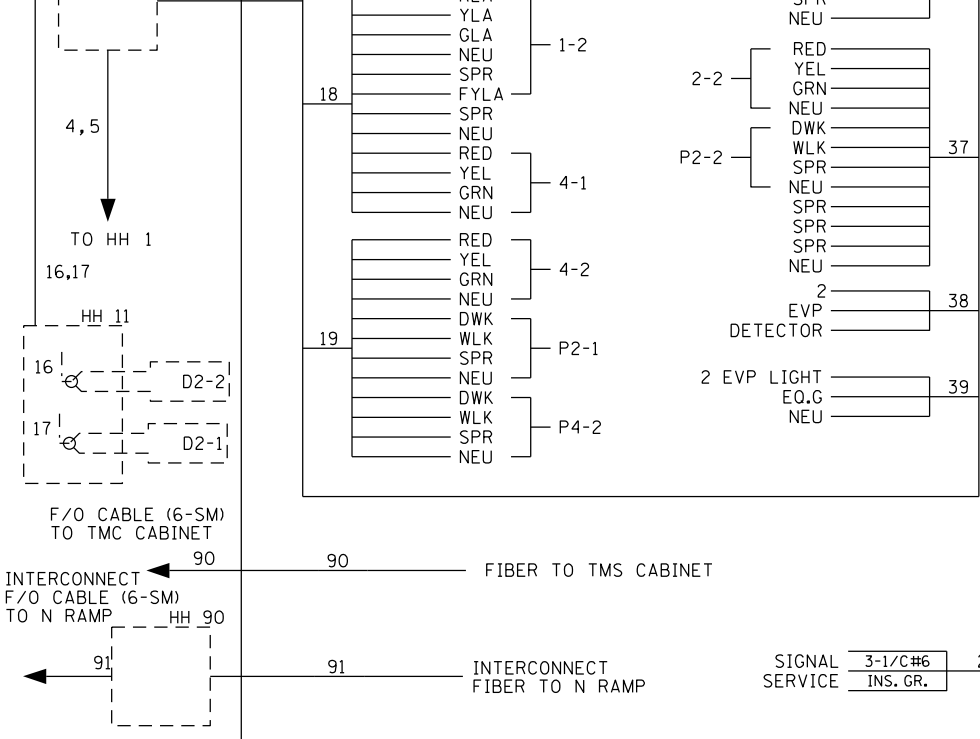
PLOTTED/REVISED: \$\$\$@DATE@\$\$\$

CONTROLLER CABINET



CONDUCTOR COLOR CODE (14 GAUGE)			
TO SIGNAL CABINET		TO DEVICE	
1/C#6 G	R	6/C#14 O	RED
6PR#19	BL	6/C#14 BL	YEL
COXIAL CABLE (6SM)	WH	6/C#14 WH	GRN
CABLE	BLK/R	6/C#14 BLK/R	NEU
CABLE	BLK	6/C#14 BLK	YLA/FYA
		6/C#14 BLK	GLA
3-1/C#2 R	R	4/C#14 BLK/R	RED/DWK
WH	BLK	4/C#14 BLK	YEL/WLK
BLK	WH	4/C#14 WH	GRN/SPR
INPUT POWER		4/C#14 WH	NEU
3-1/C#6 BLK	R	3/C#14 BLK	EVP LIGHT
WH	BLK/R	3/C#14 G	LUM/VIDEO CAMERA
SIGNAL SERVICE	WH	3/C#14 WH	
		3/C#14 WH	
		2/C#14 BLK	PED PUSH BUTTON (If Required)
		2/C#14 WH OR CLR	
		3/C#20 R OR O	
		WH OR YEL	
		3/C#20 BLK OR BL	

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



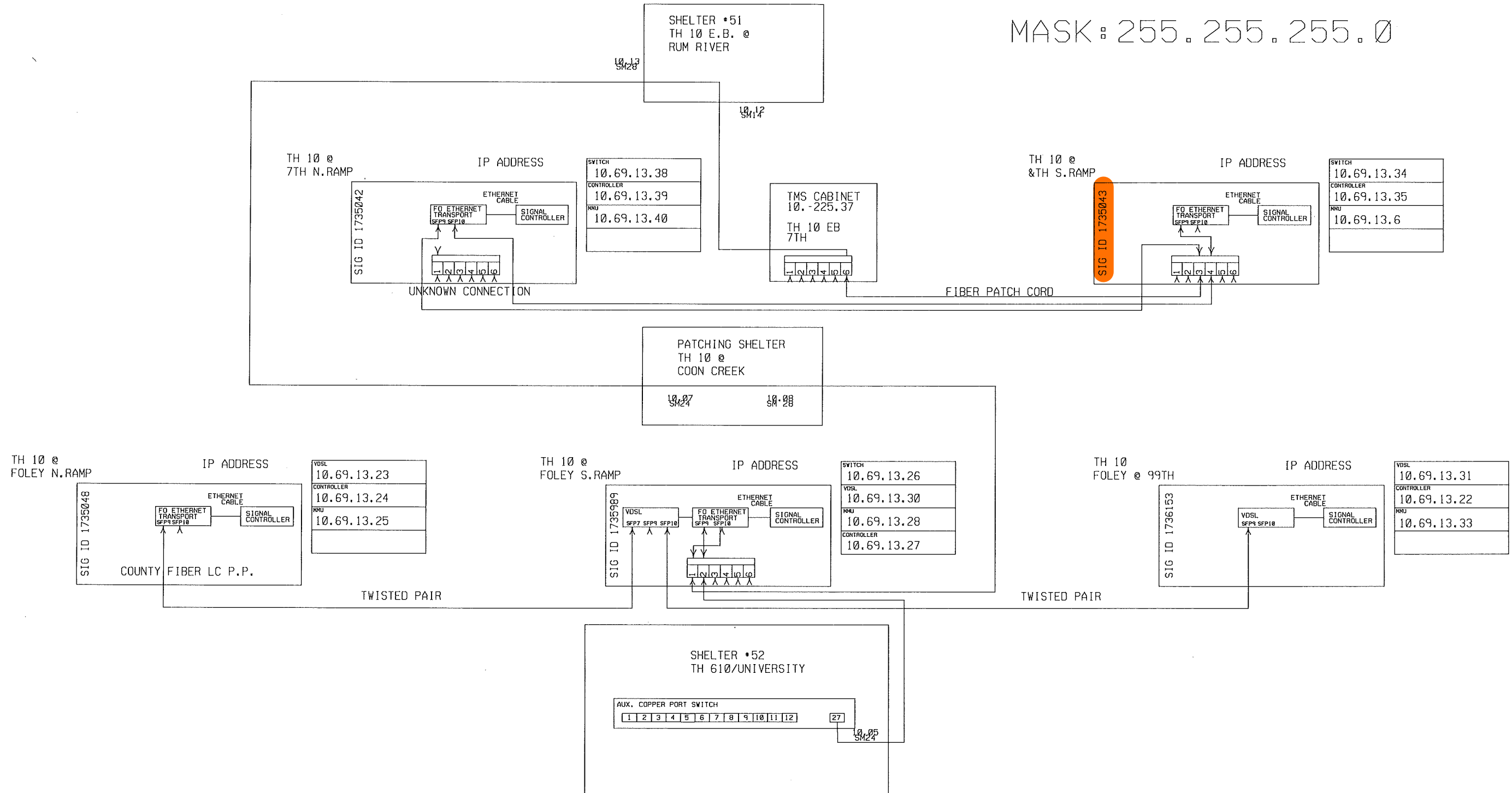
NOTES:
 1. LUMINAIRES ARE UNMETERED.
 2. SIGNAL SYSTEM INCLUDES BATTERY- BACKUP SERVICE CABINET (NO BATTERIES).

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

BY	DATE	REVISIONS	SYSTEM ID: 20211	T.E.	S.A.P. NO.	DRAWN BY: SJK	CKD BY: MJF	DATE: 04-21-11
EJA	05-26-16	PLAN UPDATED	METER ADDRESS: HWY 10 AT 7TH AVE	T.E.	CERTIFIED BY	LIC. NO.	DATE:	
			MASTER ID:	T.E.	STATE PROJ. NO.	(T.H.10)	SHEET NO.	2 OF 3 SHEETS

FIELD WIRING DIAGRAM
 TH 10 AT CSAH 7 (7TH AVE) SOUTH RAMP
 IN ANOKA, ANOKA COUNTY

GATEWAY: 10.69.13.1
 MASK: 255.255.255.0



610 TO TH 10 RUM RIVER

J. ADAMEK V.1 7.22.2019
 PARTIAL FIELD VERIFIED