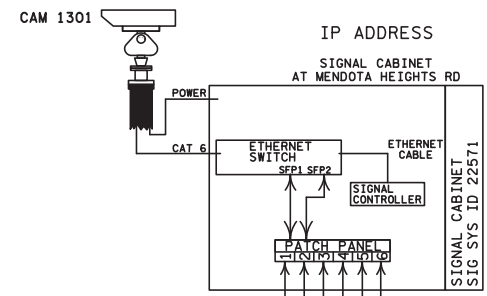
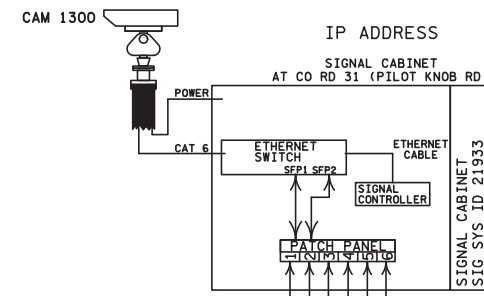


END OF RUN



PIGTAIL ID#: CAM1301

TRUNK ID#: 13-41



PIGTAIL ID#: CAM1300

TRUNK ID#: 13-42

PULL VAULT WEST OF MENDOTA HEIGHTS RD (SOUTH SIDE)

PULL VAULT WEST OF CO RD 31 (PILOT KNOB RD) (SOUTH SIDE)

SEE SHEET SZ39

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

CERTIFIED BY

Michael P. Manly
 LICENSED PROFESSIONAL ENGINEER

LIC. NO. 43957 JUNE 29 2021

STATE PROJ. NO. 1909-99 (TH 55) SHEET NO. SZ44 OF SZ45 SHEETS

PLOTTED/REVISED: 7/24/2015

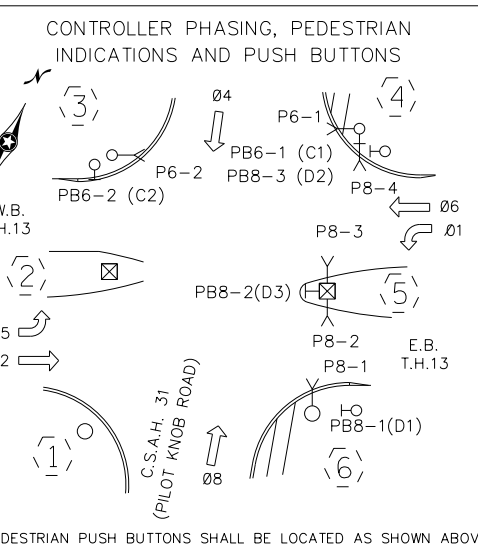
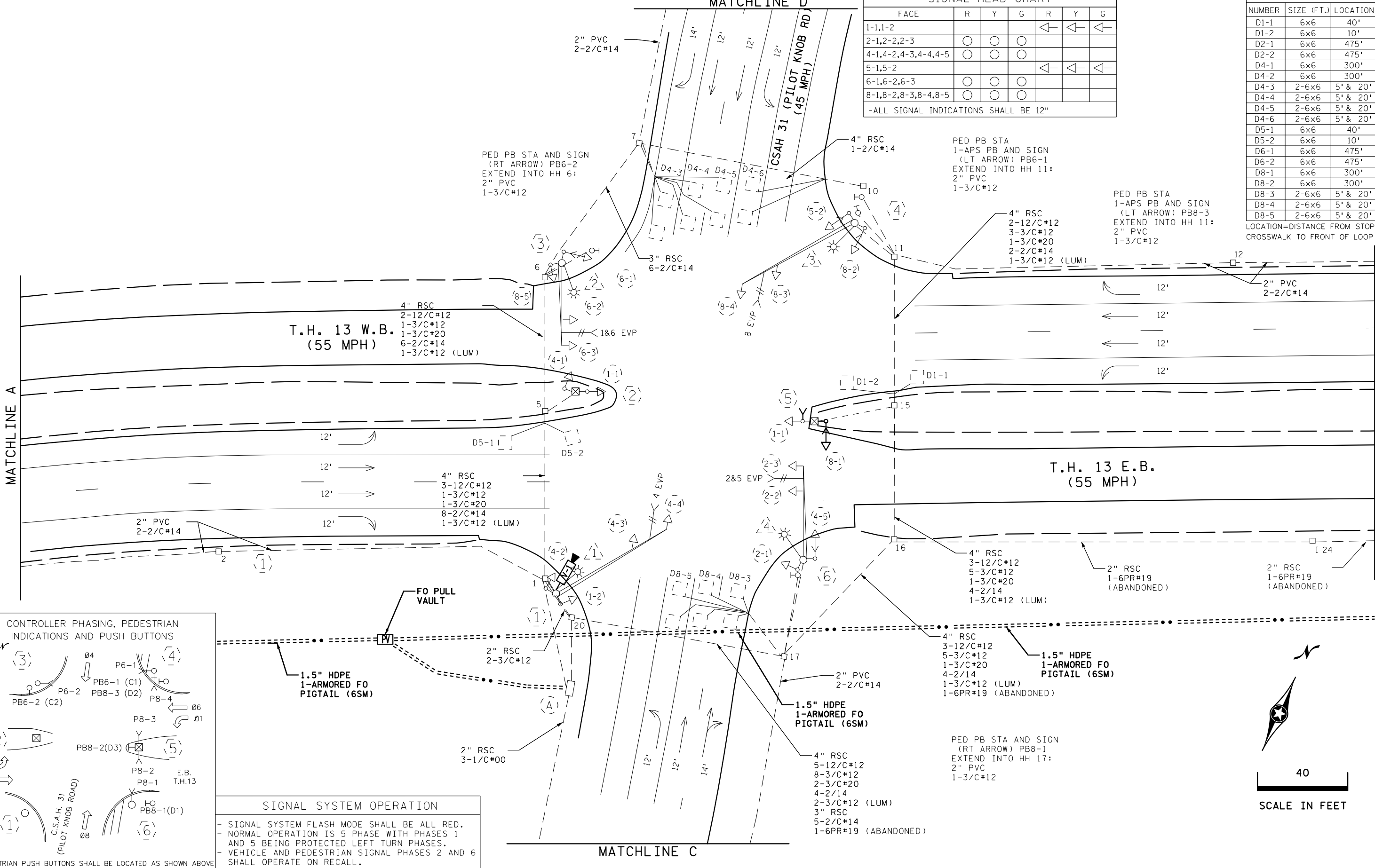
DISTRICT #: METRO
IPLOT NAME: LAYOUT
PATH & FILENAME: IP_PWP-d078030TY21933A_sgl.dgn

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

-ALL SIGNAL INDICATIONS SHALL BE 12"

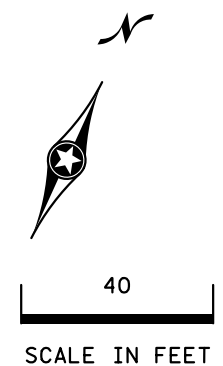
NUMBER	SIZE (FT.)	LOCATION	TYPE
D1-1	6x6	40'	SAWCUT
D1-2	6x6	10'	SAWCUT
D2-1	6x6	475'	PVC
D2-2	6x6	475'	PVC
D4-1	6x6	300'	PVC
D4-2	6x6	300'	PVC
D4-3	2-6x6	5' & 20'	PVC
D4-4	2-6x6	5' & 20'	PVC
D4-5	2-6x6	5' & 20'	PVC
D4-6	2-6x6	5' & 20'	PVC
D5-1	6x6	40'	SAWCUT
D5-2	6x6	10'	SAWCUT
D6-1	6x6	475'	SAWCUT
D6-2	6x6	475'	SAWCUT
D8-1	6x6	300'	PVC
D8-2	6x6	300'	PVC
D8-3	2-6x6	5' & 20'	PVC
D8-4	2-6x6	5' & 20'	PVC
D8-5	2-6x6	5' & 20'	PVC

LOCATION=DISTANCE FROM STOP BAR OR CROSSWALK TO FRONT OF LOOP DETECTOR.



SIGNAL SYSTEM OPERATION

- SIGNAL SYSTEM FLASH MODE SHALL BE ALL RED.
- NORMAL OPERATION IS 5 PHASE WITH PHASES 1 AND 5 BEING PROTECTED LEFT TURN PHASES.
- VEHICLE AND PEDESTRIAN SIGNAL PHASES 2 AND 6 SHALL OPERATE ON RECALL.



BY: EJA	DATE: 07-24-15	REVISIONS: AS-BUILT OF SP 8825-388 FIBER & CAMERA	SYSTEM ID: 21933	T.E.	INTERSECTION LAOUT	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
			METER ADDRESS: 2341 PILOT KNOB RD	T.E.	TRAFFIC CONTROL SIGNAL SYSTEM	CERTIFIED BY: _____	LIC. NO. _____	DATE: _____	
			MASTER ID: N/A		TH 13 AT CSAH 31 (PILOT KNOB RD)	STATE PROJ. NO. (T.H.13)	SHEET NO. 1 OF 5 SHEETS		

PLOTTED/REVISED: 7/24/2015

(1) PA100 POLE FOUNDATION
 TYPE PA100-B-55-X6-/CAM 400 (AT 350 DEG)
 1-VIDEO CAMERA (CAM 1300)
 LUMINAIRE-200W HPS W/PEC AND CHECK SWITCH
 2-ONE WAY SIGNALS-OVERHEAD AT 0' AND 17'
 2-TYPE 10A AT 90 AND 225 DEG
 2-R9-3 SIGNS (FACING POLES 2&6)
 ONE WAY EVP DETECTOR AND LIGHT (PHASE 4)
 TYPE D SIGN
 EXTEND INTO HH 1:
 3" RSC
 2-12/C#12
 2-3/C#12
 1-3/C#20
 1-3/C#12 (LUM)
 1-3/C#14 (CAMERA POWER)
 1-COM CABLE
 1-COAXIAL CABLE
 1-7/16" GROUNDING BRAID TO GROUND ROD

(2) PEDESTAL FOUNDATION
 10' PEDESTAL POLE PLUS BASE
 TYPE 2A
 2-R9-3 SIGNS(FACING POLES 1&3)
 EXTEND INTO HH 8:
 3" RSC
 1-12/C#12

(3) PA100 POLE FOUNDATION
 TYPE PA90-A-35-D40-9 (DAVIT AT 350 DEG)
 LUMINAIRE-200W HPS W/PEC AND CHECK SWITCH
 2-ONE WAY SIGNALS-OVERHEAD (0' AND 11')
 TYPE 10A AT 90 DEG
 TYPE 10B AT 180 DEG
 CD PED HEAD AT 180 DEG
 R9-3 SIGN FACING POLE 2)
 ONE WAY EVP DETECTOR AND LIGHT (PHASES 6&1)
 2-TYPE D SIGNS
 EXTEND INTO HH 6:
 3" RSC
 2-12/C#12
 1-3/C#12
 1-3/C#20
 1-3/C#12 (LUM)

(4) PA100 POLE FOUNDATION
 TYPE PA90-A-55-D40-9 (DAVIT AT 350 DEG)
 LUMINAIRE-200W HPS W/PEC AND CHECK SWITCH
 2-ONE WAY SIGNALS-OVERHEAD AT 0' AND 17'
 2-TYPE 10B AT 90 & 180 DEG
 2-CD PED HEADS AT 90 & 180 DEG
 ONE WAY EVP DETECTOR AND LIGHT (PHASE 8)
 TYPE D SIGN
 EXTEND INTO HH 11:
 3" RSC
 2-12/C#12
 1-3/C#12
 1-3/C#20
 1-3/C#12 (LUM)

(5) PEDESTAL FOUNDATION
 10' PEDESTAL POLE PLUS BASE
 TYPE 2C
 2-CD PED HEADS
 APS PB AND SIGN (DBL ARROW) PB8-2
 EXTEND INTO HH 15:
 3" RSC
 1-12/C#12
 2-3/C#12

(6) PA90 POLE FOUNDATION
 TYPE PA90-A-40-D40-9 (DAVIT AT 350 DEG)
 LUMINAIRE-200W HPS W/PEC AND CHECK SWITCH
 2-ONE WAY SIGNALS-OVERHEAD AT 0' AND 11'
 TYPE 10A AT 180 DEG
 TYPE 10B AT 90 DEG
 CD PED HEAD AT 90 DEG
 ONE WAY EVP DETECTOR AND LIGHT (PHASES 2&5)
 R9-3 SIGN (FACING POLE 1)
 2-TYPE D SIGNS
 EXTEND INTO HH 17:
 3" RSC
 2-12/C#12
 1-3/C#12
 1-3/C#20
 1-3/C#12 (LUM)

(A) EQUIPMENT PAD
 SERVICE EQUIPMENT
 CONTROLLER AND CABINET
 4" RSC TO HH 1:
 5-12/C#12
 3-3/C#12
 2-3/C#20
 11-2/C#14
 1-3/C#14 (CAMERA POWER)
 1-COM CABLE
 1-COAXIAL CABLE
 4" RSC TO HH 20:
 5-12/C#12
 8-3/C#12
 2-3/C#20
 10-2/C#14
 2" RSC
 1-6PR#19 (ABANDONED)

 STUB OUT 1-2" RSC AND
 1-3" RSC FROM CABINET
 TO WEST (THREADED AND
 CAPPED ON BOTH ENDS)
 LOAD CENTER TO HH 20:
 2" RSC
 4-3/C#12 (LUM)
 LOAD CENTER TO CABINET:
 1 1/4" RSC
 2-1/C#6
 1-1/C#6 BR. GR.
 METER TO HH 21:
 2" RSC
 3-1/C#00

 CONTROLLER CABINET
 TO FO PULL VAULT
 1-1.5" PVC INSIDE 3" RSC
 1-PRE-TERM ARMORED
 FO PIGTAIL (6SM)

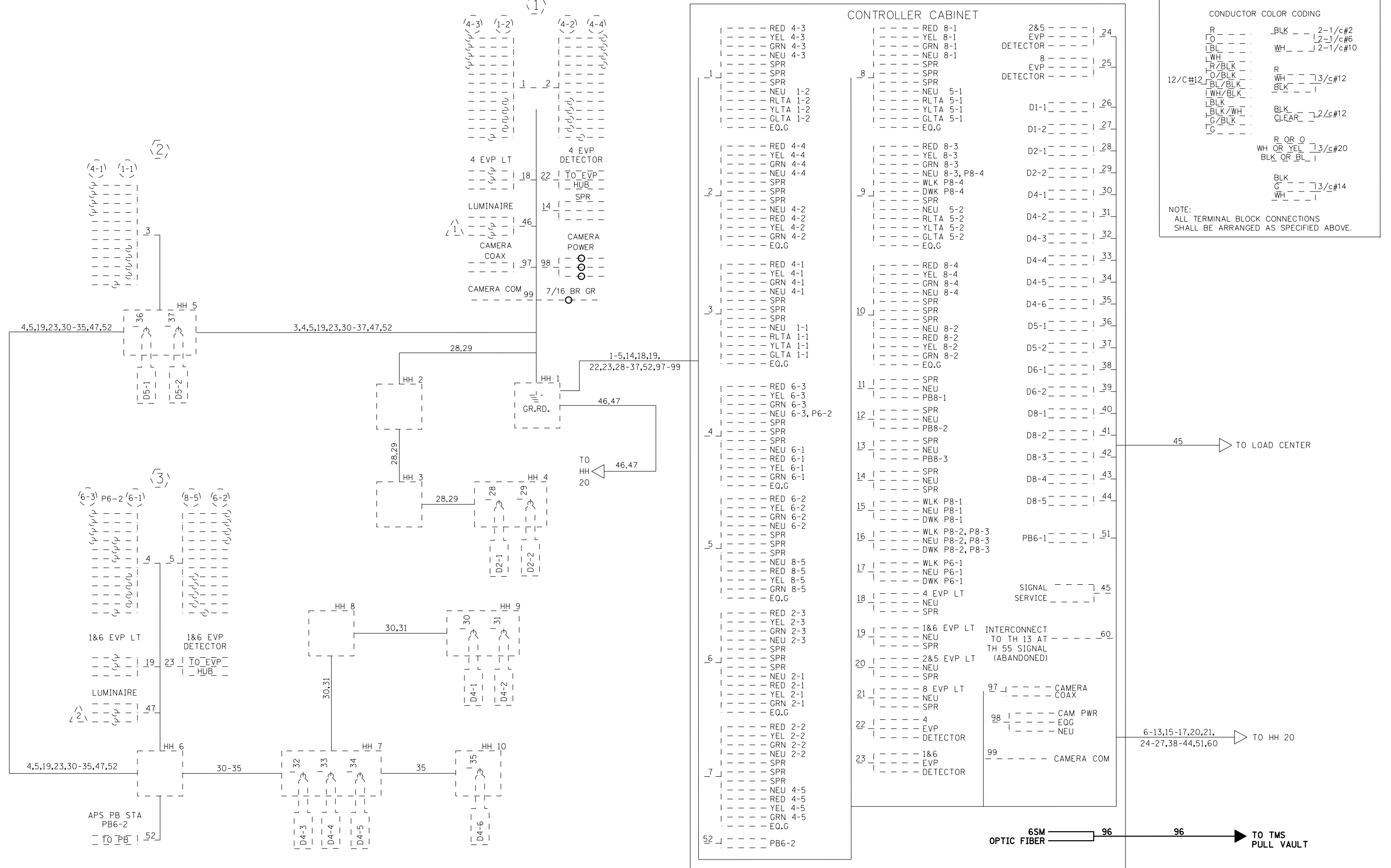
(B) WOOD POLE (SOP)
 ENCLOSED CIRCUIT BREAKER-WOOD
 POLE MOUNTED
 2" RSC RISER AND WEATHERHEAD
 ABOVE ENCLOSED CIRCUIT BREAKER
 EXTEND INTO HH 23:
 2" RSC
 3-1/C#00

DISTRICT #: METRO
 IPLOT NAME: NOTES
 PATH & FILENAME: IP_PWP-d078030TY21933A_sgl.dgn

BY	DATE	REVISIONS	SYSTEM ID: 21933	T.E.	INTERSECTION NOTES TRAFFIC CONTROL SIGNAL SYSTEM TH 13 AT CSAH 31 (PILOT KNOB RD) IN MENDOTA HEIGHTS, DAKOTA COUNTY	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:	
EJA	07-24-15	AS-BUILT OF SP 8825-388 FIBER & CAMERA	METER ADDRESS: 2341 PILOT KNOB RD			CERTIFIED BY _____	LIC. NO. _____	DATE: _____		
			MASTER ID: N/A	T.E.		LICENSED PROFESSIONAL ENGINEER				
						STATE PROJ. NO.	(T.H.13)	SHEET NO.	3 OF	5 SHEETS

PLOTTED/REVISED: 7/24/2015

DISTRICT #: METRO
IPLOT NAME: WIRE 1
PATH & FILENAME: IP_PWP:d078030\T21933A_sgl.dgn

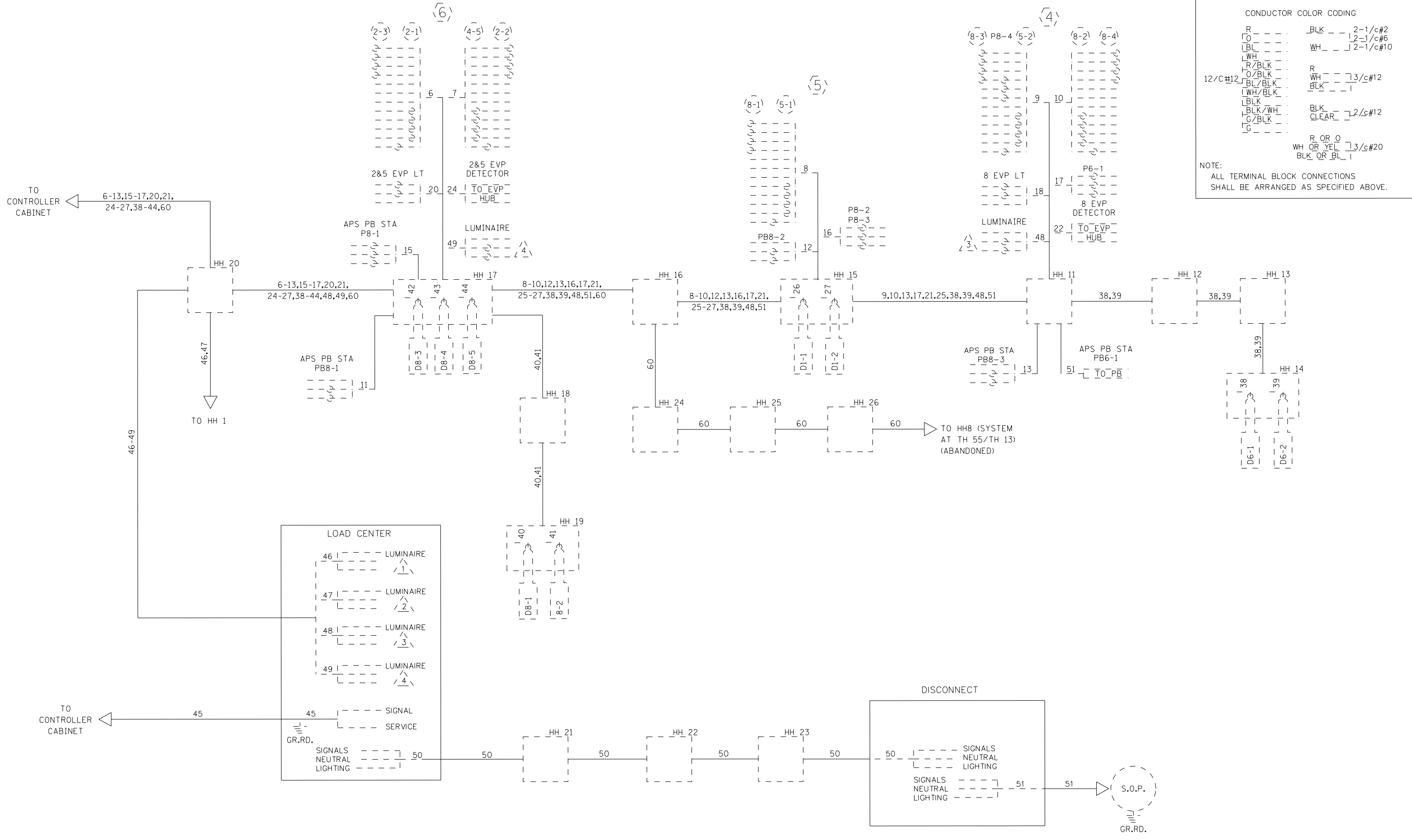


BY	DATE	REVISIONS	SYSTEM ID: 21933	T.E.	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
EJA	07-24-15	AS-BUILT OF SP 8825-388 FIBER & CAMERA	METER ADDRESS: 2341 PILOT KNOB RD		CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
			MASTER ID: N/A	T.E.	STATE PROJ. NO.	(T.H.13)	SHEET NO.	4 OF 5 SHEETS

FIELD WIRING DIAGRAM (1 OF 2)
TRAFFIC CONTROL SIGNAL SYSTEM
TH 13 AT CSAH 31 (PILOT KNOB RD)
IN MENDOTA HEIGHTS, DAKOTA COUNTY

PLOTTED/REVISED: 7/24/2015

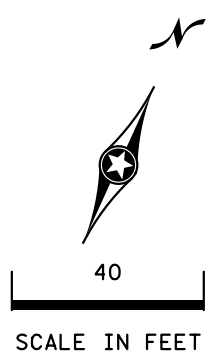
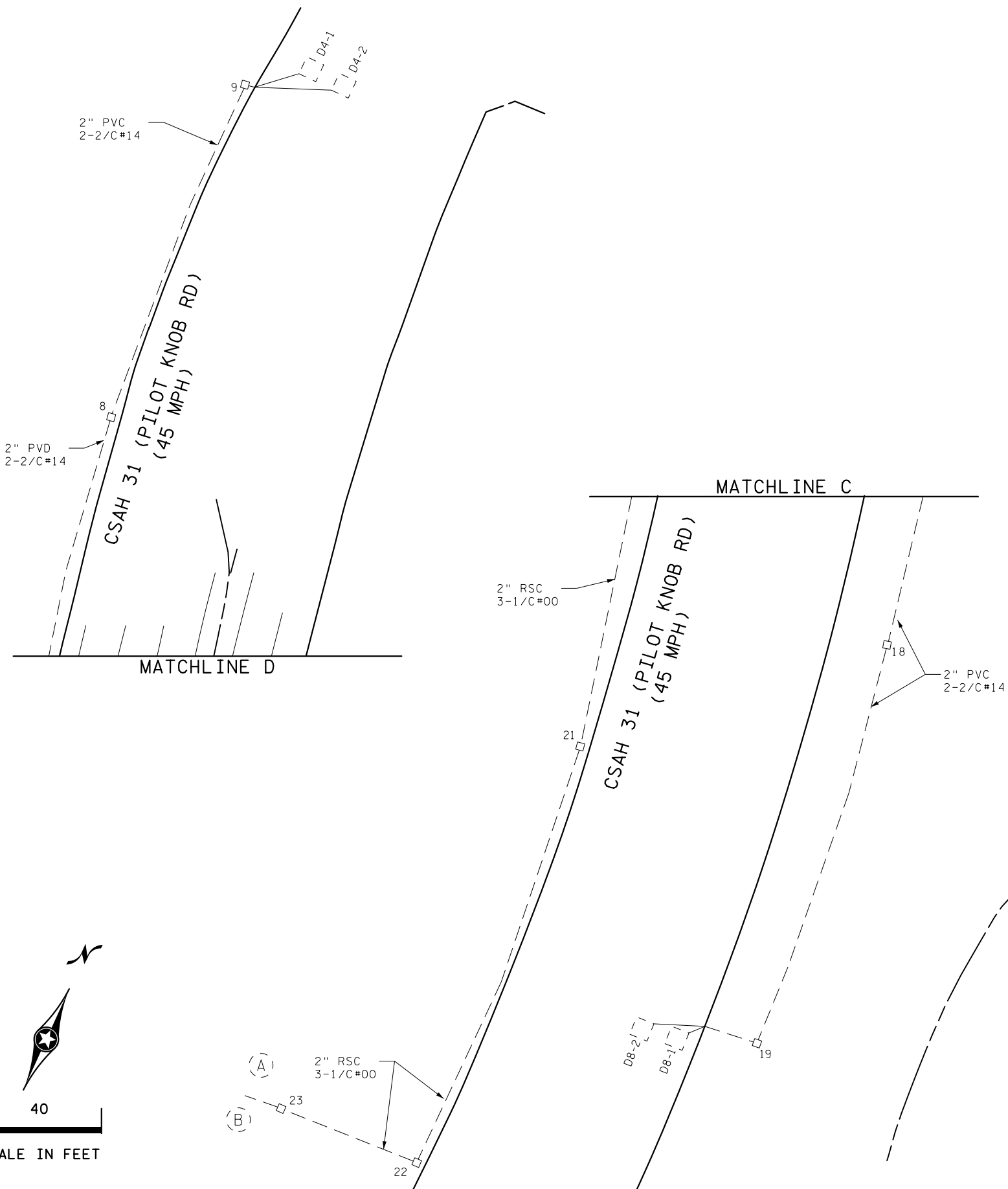
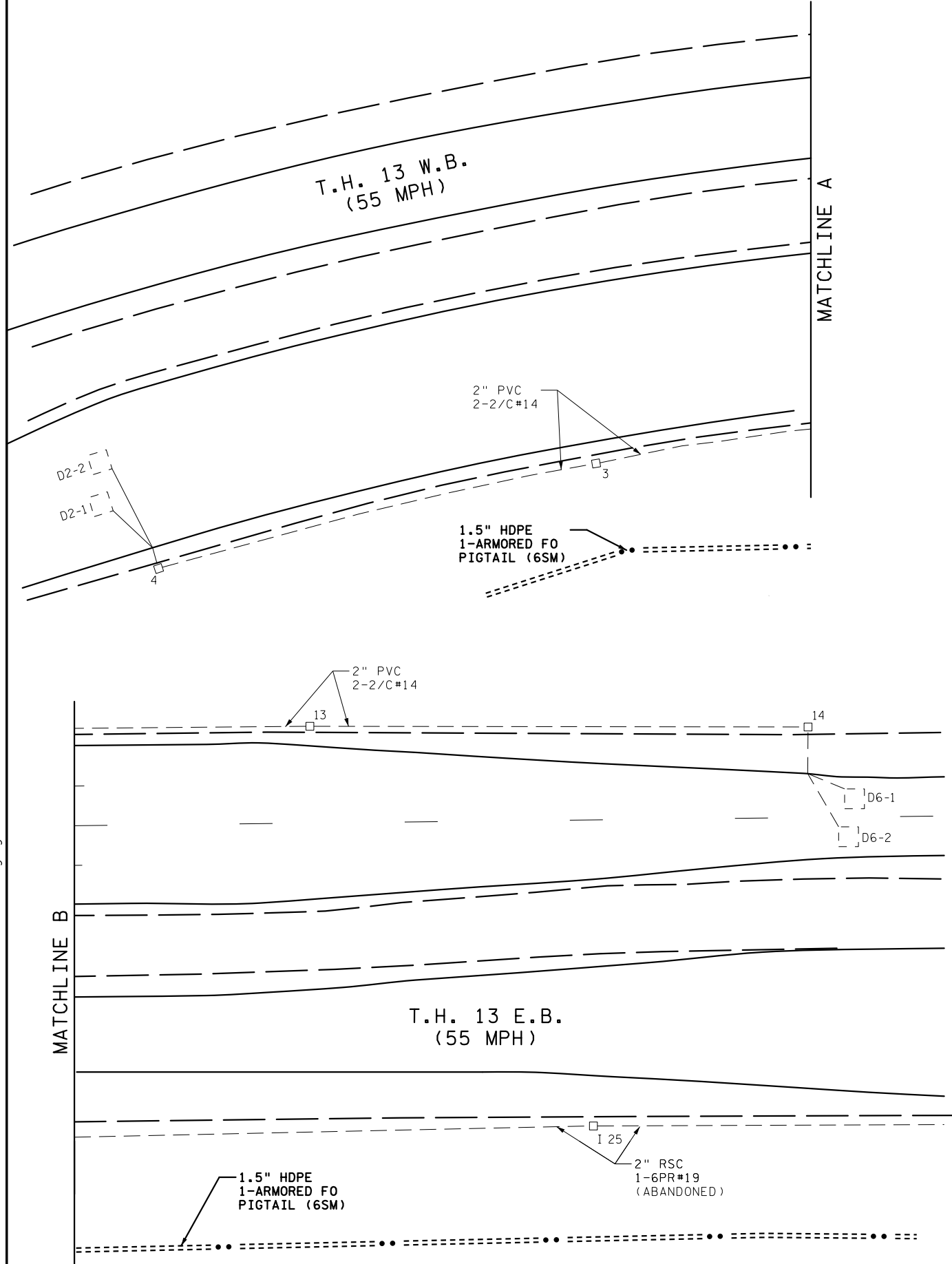
DISTRICT #: METRO
 IPLOT NAME: WIRE 2
 PATH & FILENAME: IP_PWP-d078030\T21933A_sgl.dgn



BY	DATE	REVISIONS	SYSTEM ID: 21933	T.E.	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
EJA	07-24-15	AS-BUILT OF SP 8825-388 FIBER & CAMERA	METER ADDRESS: 2341 PILOT KNOB RD		CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
			MASTER ID: N/A	T.E.	STATE PROJ. NO.	(T.H.13)	SHEET NO.	5 OF 5 SHEETS

PLOTTED/REVISED: 7/24/2015

DISTRICT #: METRO
PLOT NAME: MATCHLINE
PATH & FILENAME: IP_PWP-d078030\T21933A_sgl.dgn



BY	DATE	REVISIONS
EJA	07-24-15	AS-BUILT OF SP 8825-388 FIBER & CAMERA

SYSTEM ID: 21933	T.E.
METER ADDRESS: 2341 PILOT KNOB RD	
MASTER ID: N/A	T.E.

**INTERSECTION MATCHLINES
TRAFFIC CONTROL SIGNAL SYSTEM
TH 13 AT CSAH 31 (PILOT KNOB RD)
IN MENDOTA HEIGHTS, DAKOTA COUNTY**

S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
STATE PROJ. NO.	(T.H.13)	SHEET NO.	2 OF 5 SHEETS