

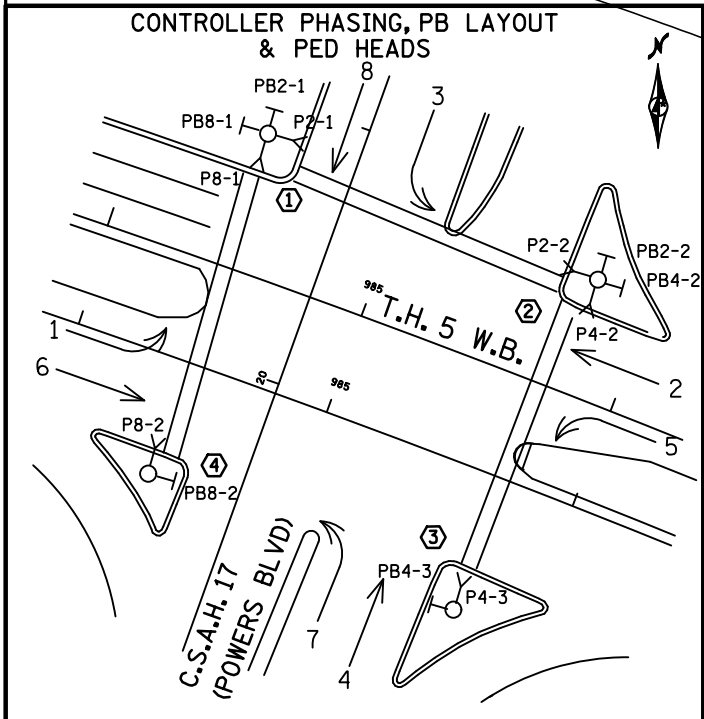
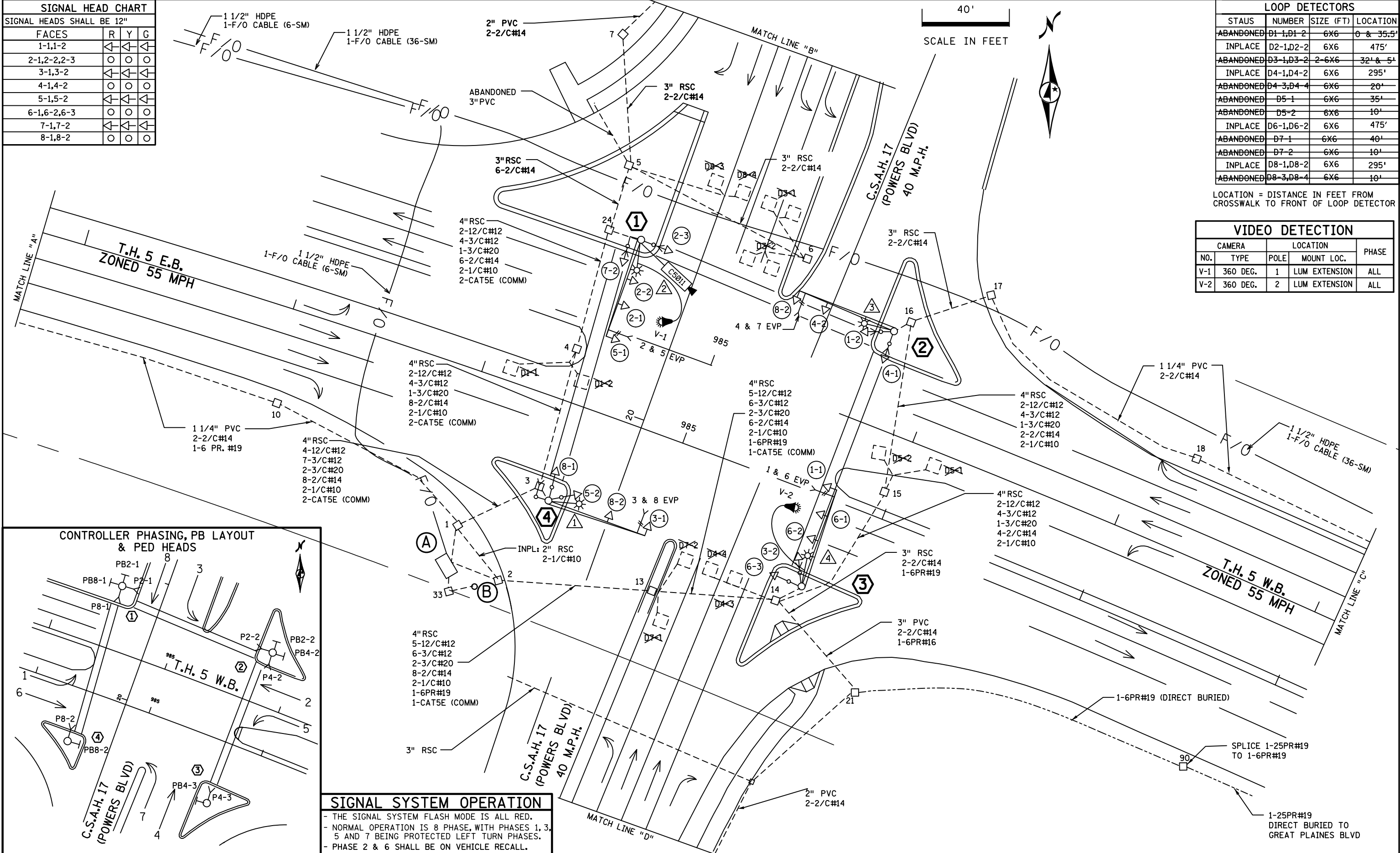
DISTRICT #: Metro
 PLOT NAME: layout
 PATH & FILENAME: Projects\DM_POS\005\0000\Traffic\Signal\4491.TH5 @ CSAH17-POWERS BLVD 1734969.T1734969.dgn PLOTTED/REVISED: 23-MAY-2023

SIGNAL HEAD CHART				
SIGNAL HEADS SHALL BE 12"				
FACES	R	Y	G	
1-1,1-2	◀	◀	◀	
2-1,2-2,2-3	○	○	○	
3-1,3-2	◀	◀	◀	
4-1,4-2	○	○	○	
5-1,5-2	◀	◀	◀	
6-1,6-2,6-3	○	○	○	
7-1,7-2	◀	◀	◀	
8-1,8-2	○	○	○	

LOOP DETECTORS				
STATUS	NUMBER	SIZE (FT)	LOCATION	
ABANDONED	D1-1,D1-2	6X6	0 & 35.5'	
INPLACE	D2-1,D2-2	6X6	475'	
ABANDONED	D3-1,D3-2	2-6X6	32' & 5'	
INPLACE	D4-1,D4-2	6X6	295'	
ABANDONED	D4-3,D4-4	6X6	20'	
ABANDONED	D5-1	6X6	35'	
ABANDONED	D5-2	6X6	10'	
INPLACE	D6-1,D6-2	6X6	475'	
ABANDONED	D7-1	6X6	40'	
ABANDONED	D7-2	6X6	10'	
INPLACE	D8-1,D8-2	6X6	295'	
ABANDONED	D8-3,D8-4	6X6	10'	

LOCATION = DISTANCE IN FEET FROM CROSSWALK TO FRONT OF LOOP DETECTOR

VIDEO DETECTION				
NO.	CAMERA	LOCATION		PHASE
		POLE	MOUNT LOC.	
V-1	360 DEG.	1	LUM EXTENSION	ALL
V-2	360 DEG.	2	LUM EXTENSION	ALL



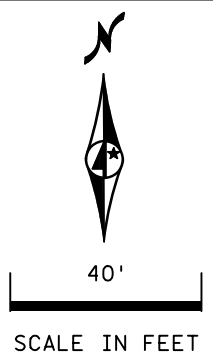
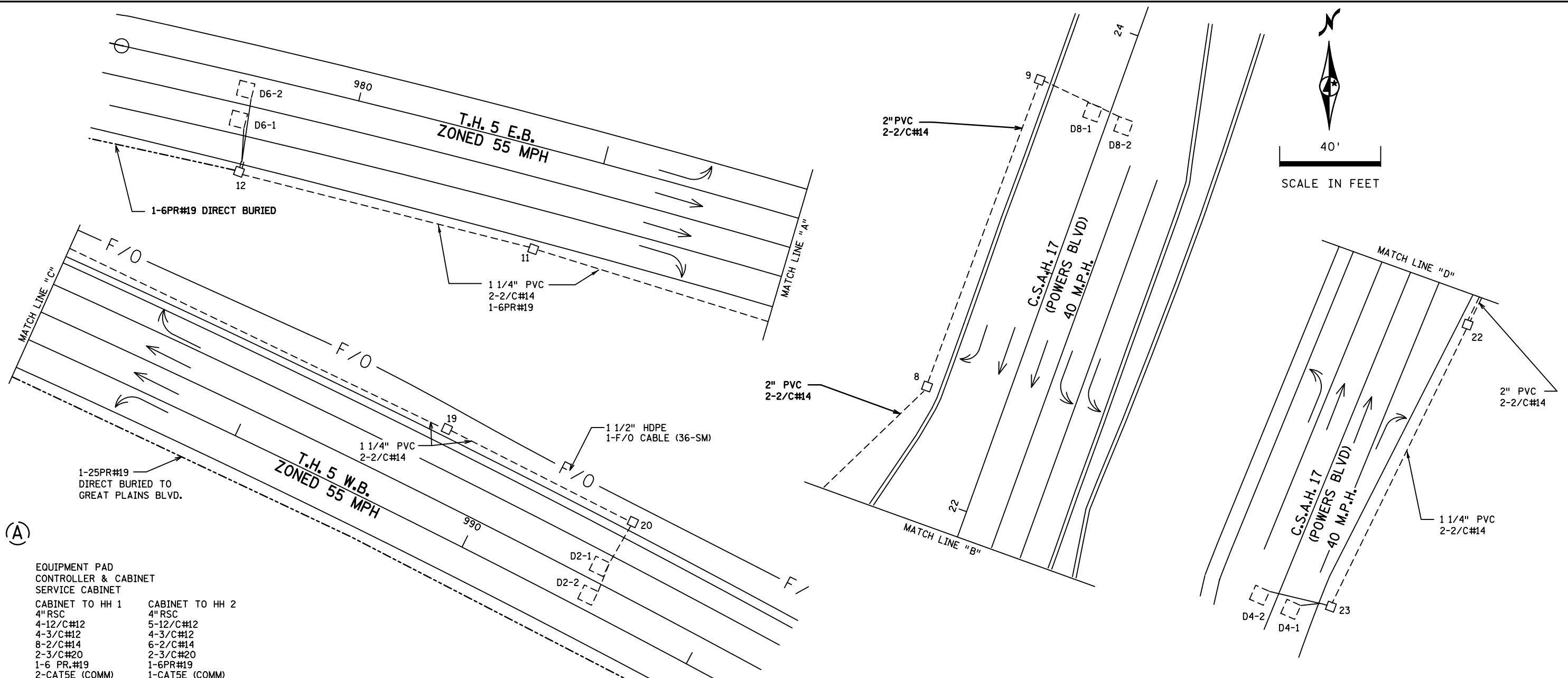
SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 8 PHASE, WITH PHASES 1, 3, 5 AND 7 BEING PROTECTED LEFT TURN PHASES.
- PHASE 2 & 6 SHALL BE ON VEHICLE RECALL.

BY	DATE	REVISIONS	SYSTEM ID: 1734969	T.E. 97203	S.A.P. NO.	DRAWN BY: MAS	CKD BY: CDB	DATE: 11/9/12
EJA	01-20-15	AS-BUILT OF SP 1002-98 FIBER & CAMERA	METER ADDRESS: 1100 ARBORETUM BLVD		CERTIFIED BY		LIC. NO.	DATE: 11/9/12
SJK	5/22/23	UPDATED PTZ CAMERA AND ADDED VIDEO DETECTION SP 8825-890	MASTER ID:	T.E.	STATE PROJ. NO. (T.H. 5)		SHEET NO. 1 OF 3 SHEETS	

INTERSECTION LAYOUT
T.H. 5 AT CSAH 17 (POWERS BLVD)
IN CHANHASSEN, CARVER COUNTY

DISTRICT #: Metro
 PLOT NAME: match lines
 PATH & FILENAME: Projects\DM_FOS\005\0000\Traffic\Signals\449\TH5 @ CSAH17-POWERS BLVD 1734969\T1734969.dgn PLOTTED/REVISED: 23-MAY-2023



- (A)**
- EQUIPMENT PAD
 - CONTROLLER & CABINET
 - SERVICE CABINET
 - CABINET TO HH 1
 - 4" RSC
 - 4-12/C#12
 - 4-3/C#12
 - 8-2/C#14
 - 2-3/C#20
 - 1-6 PR.#19
 - 2-CAT5E (COMM)
 - CABINET TO HH 2
 - 4" RSC
 - 5-12/C#12
 - 4-3/C#12
 - 6-2/C#14
 - 2-3/C#20
 - 1-6PR#19
 - 1-CAT5E (COMM)

- (B)**
- CONTROLLER CABINET TO TMS SPLICE VAULT:
 - 1-1/2" PVC INSIDE 3" RSC
 - 1-FO PATCH/PIGTAIL (6SM)
 - SERVICE CABINET TO CONTROLLER CABINET
 - 2" RSC
 - 2-1/C#6
 - 1-1/C#6 BR. GR.
 - SERVICE CABINET TO HH 33
 - 2" RSC
 - 3-1/C#2
 - SERVICE CABINET TO HH 2
 - 2" RSC
 - 4-1/C#10

- (B)**
- WOOD POLE
 - 2" RSC RISER & WEATHERHEAD
 - INTO HH 33 WITH
 - 3-1/C#2 & 1-1/C#6 BR. GR.

- (1)**
- A100 POLE FOUNDATION
 - TYPE A100-A-45-X6-350/CAM 400(AT 350 DEG)
 - LUMINAIRE-200W HPS W/PEC & TEST SW
 - 1-PTZ CAMERA (C5011)
 - 1-VIDEO DETECTOR (V-1)
 - 3-ONE WAY SIGNALS OVERHEAD AT 0', 11' & 23'
 - 2- TYPE 10B AT 90 AND 270 DEG
 - 2-C.D. PED HEADS
 - 2-PED PBS AND SIGNS
 - ONE WAY EVP DETECTOR & LIGHT (2&5)
 - 3" RSC INTO HH 24 WITH
 - 2-12/C#12
 - 4-3/C#12
 - 1-3/C#20
 - 2-1/C#10 (LUM)
 - 1-7/16" GROUNDING BRAID TO GROUND ROD IN HH 24:
 - 2-CAT5E (COMM)

- (2)**
- A100 POLE FOUNDATION
 - TYPE A100-A-45--D40-9 (DAVIT AT 350 DEG)
 - 2-ONE WAY SIGNALS OVERHEAD AT 0' & 14'
 - LUMINAIRE-200W HPS W/PEC & TEST SW
 - 2-TYPE 10B AT 0 AND 270 DEG
 - 2-C.D. PED HEADS AT 0 AND 270 DEG
 - 2-PED PBS AND SIGNS
 - ONE WAY EVP DETECTOR & LIGHT (4&7)
 - 3" RSC INTO HH 16 WITH
 - 2-12/C#12
 - 3-3/C#12
 - 1-3/C#20
 - 2-1/C#10

- (3)**
- A100 POLE FOUNDATION
 - TYPE A100-A-45--D40-9 (DAVIT AT 350 DEG)
 - 3-ONE WAY SIGNALS OVERHEAD AT 0', 11' & 23'
 - TYPE 10B AT 0 DEG
 - 1-VIDEO DETECTOR (V-2)
 - 1-C.D. PED HEAD AT 0 DEG
 - TYPE 10A AT 270 DEG
 - LUMINAIRE-200W HPS W/PEC & TEST SW
 - W/PEC & CK SW
 - 1-PED PB AND SIGN
 - 1-R9-3 SIGN FACING POLE 4
 - ONE WAY EVP DETECTOR & LIGHT (1&6)
 - 3" RSC INTO HH 14 WITH
 - 2-12/C#12
 - 2-3/C#12
 - 1-3/C#20
 - 4-1/C#10
 - 1-CAT5E (COMM)

- (4)**
- A100 POLE FOUNDATION
 - TYPE A100-A-45--D40-9 (DAVIT AT 350 DEG)
 - 2-ONE WAY SIGNALS OVERHEAD AT 0' & 17'
 - 2-TYPE 10A AT 0 AND 270 DEG
 - TYPE 30A AT 180 DEG
 - 1-C.D. HEAD AT 180 DEG
 - LUMINAIRE-200W HPS W/PEC & CK SW
 - 1-PED PB AND SIGN
 - 1-R9-3A SIGN FACING POLE 1
 - ONE WAY EVP DETECTOR & LIGHT (3&8)
 - 3" RSC INTO HH 3 WITH
 - 2-12/C#12
 - 3-3/C#12
 - 1-3/C#20
 - 4-1/C#10

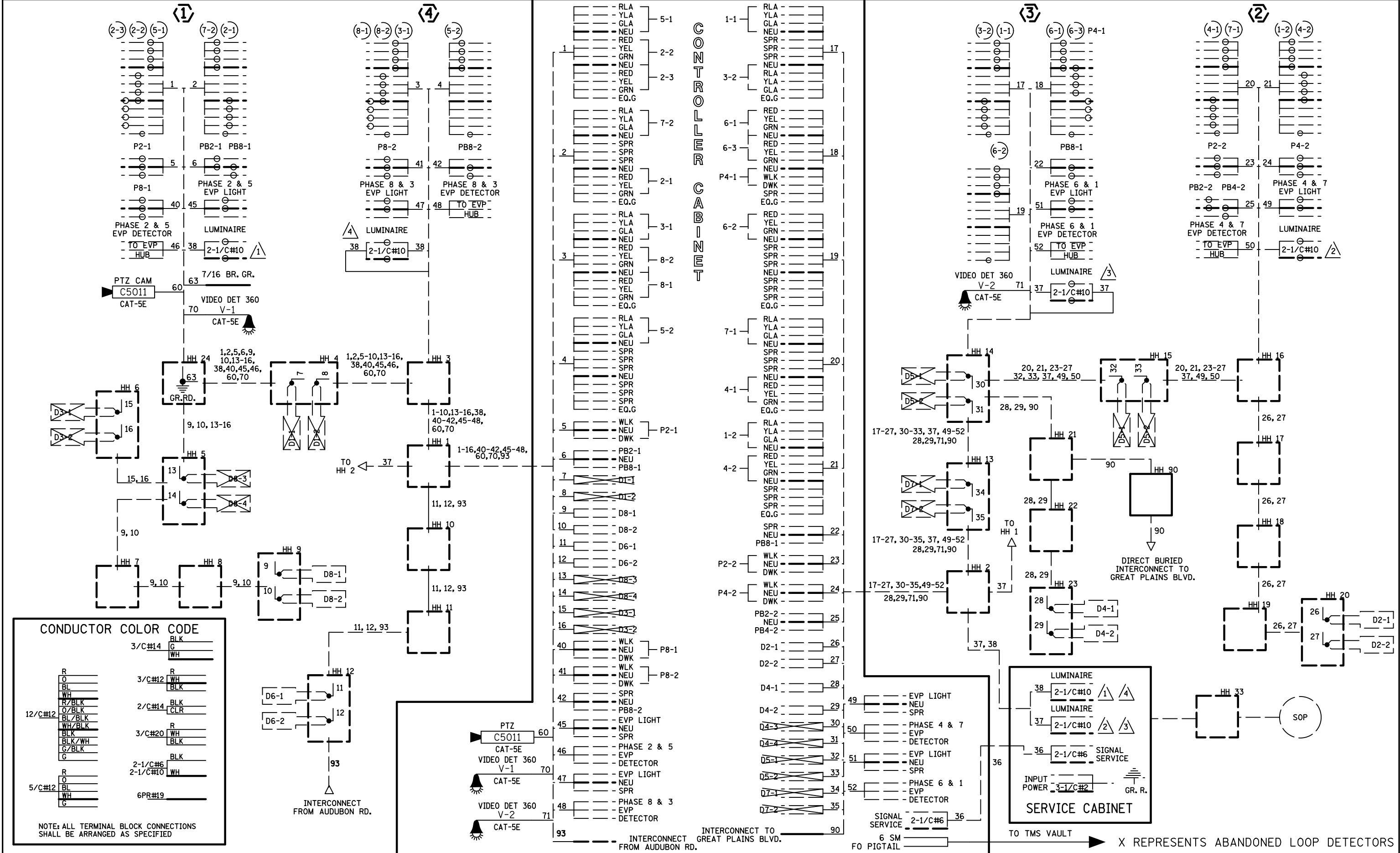
BY	DATE	REVISIONS
EJA	1-20-15	AS-BUILT OF SP 1002-98 FIBER & CAMERA
SJK	5/22/23	UPDATED PTZ CAMERA AND ADDED VIDEO DETECTION

SYSTEM ID: 1734969	T.E. 97203
METER ADDRESS: 1100 ARBORETUM BLVD	
MASTER ID:	T.E.

MATCHLINES AND POLE NOTES
T.H. 5 AT CSAH 17 (POWERS BLVD)
IN CHANHASSEN, CARVER COUNTY

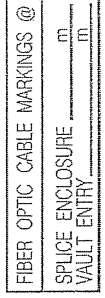
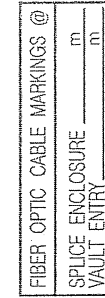
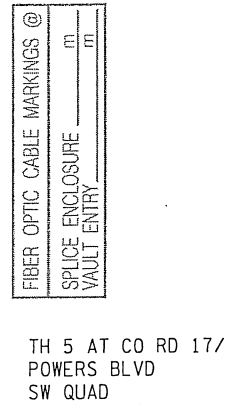
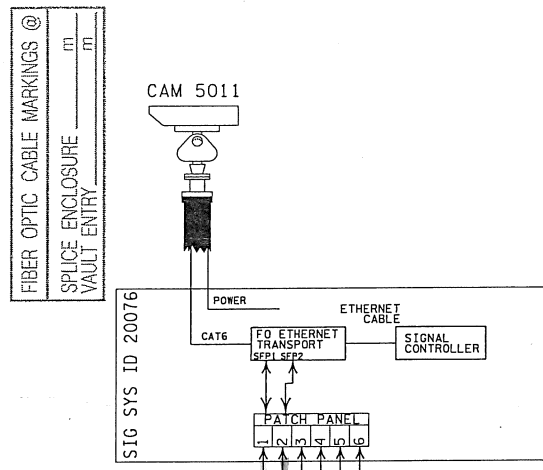
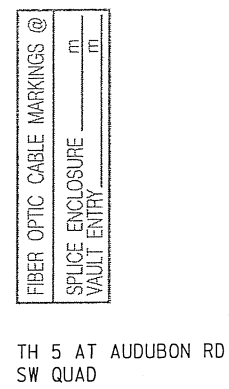
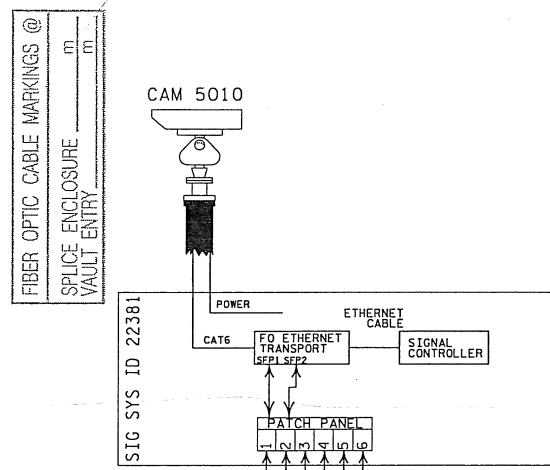
S.A.P. NO.	DRAWN BY: MAS	CKD BY: CDB	DATE: 11/9/12
CERTIFIED BY _____	LIC. NO. _____		DATE: 11/9/12
STATE PROJ. NO.	(T.H. 5)	SHEET NO. 2 OF 3 SHEETS	

DISTRICT #: Metro
 PLOT NAME: wiring diagram
 PATH & FILENAME: Projects\DM_POS\005\0000\Traffic\Signals\4491 TH5 @ CSAH17\POWERS BLVD 1734969\T1734969.T1734969.dgn PLOTTED/REVISED: 23-MAY-2023



BY	DATE	REVISIONS	SYSTEM ID: 1734969	T.E. 97203	FIELD WIRING DIAGRAM T.H. 5 AT CSAH 17 (POWERS BLVD) IN CHANHASSEN, CARVER COUNTY	S.A.P. NO.	DRAWN BY: MAS	CKD BY: CDB	DATE: 11/9/12	
EJA	01-20-15	AS-BUILT OF SP 1002-98 FIBER & CAMERA	METER ADDRESS: 1100 ARBORETUM BLVD			CERTIFIED BY _____	LICENSED PROFESSIONAL ENGINEER	LIC. NO. _____	DATE: 11/9/12	
SJK	5/22/23	UPDATED PTZ CAMERA AND ADDED VIDEO DETECTION	MASTER ID: _____	T.E. _____		STATE PROJ. NO. _____	(T.H. 5)	SHEET NO. 3 OF 3 SHEETS		

SEE SHEET SZ31



PIGTAIL ID#:
CAM1713



PIGTAIL ID#:
CAM1713



TRUNK ID 5.26

TRUNK ID 5.25

TRUNK ID 5.24

TRUNK ID 5.24

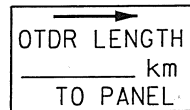
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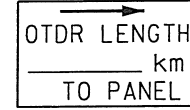
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SPLICE VAULT @
TH 5 & AUDOBON RD.
(SOUTH WEST SIDE)



SPLICE VAULT @
TH 5 APPROX. 500'
WEST OF CO RD 17
(NORTH SIDE)



PULL VAULT ON
TH 5 WEST OF R/R
TRACKS (NORTH SIDE)

ct:\project\se\pw_work\ing\hansisco\d1463633\t1002-98 fiber.dgn

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

CERTIFIED BY

Jeffrey M. Puelzo
 LICENSED PROFESSIONAL ENGINEER

LIC. NO. 26530 OCT. 25 2012

STATE PROJ. NO. 1002-98 (TH 5)

SHEET NO. SZ32 OF SZ50 SHEETS

SEE SHEET SZ33