

DISTRICT #: Metro
 IPLOT NAME: T1735626.sgl
 PATH & FILENAME: Projects\DM罗斯\095\0000\Traffic\Signal\54.25_(30)_FOREST_BLDV-D\1735626\T1735626.sgl.dgn
 PLOTTED/REVISED: 3-APR-2023

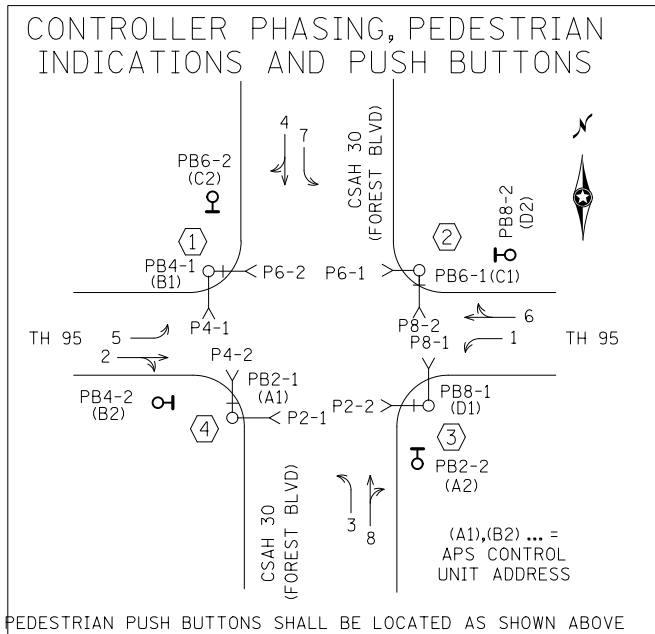
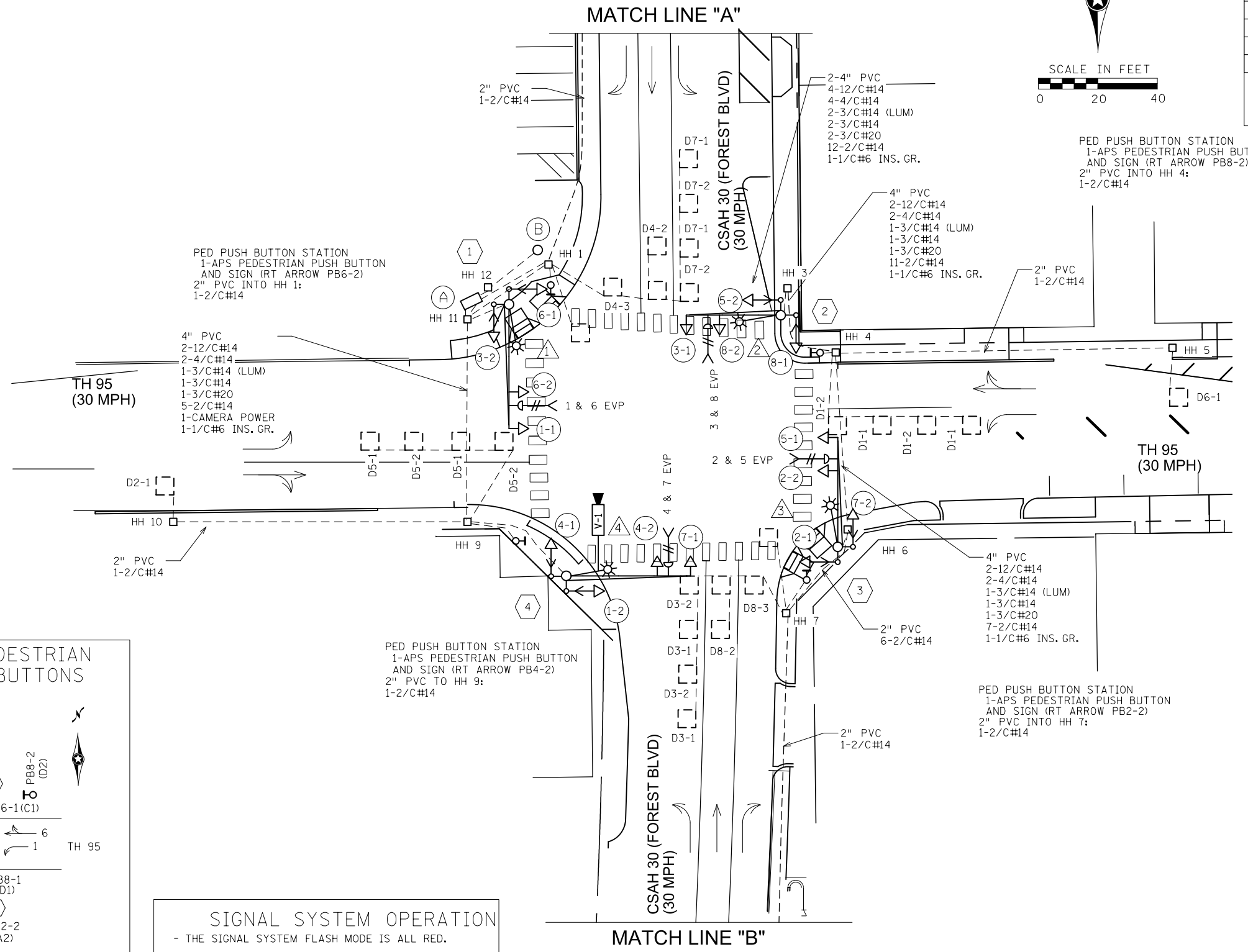
LOOP DETECTOR CHART		
NUMBER	SIZE (FT)	LOCATION
D1-1, 5-1	6x6	20 & 50
D1-2, D5-2	6x6	5 & 35
D2-1, D6-1	6x6	120
D3-1, 7-1	6x6	20 & 50
D3-2, 7-2	6x6	5 & 35
D4-1	6x6	170
D4-2	6x6	5 & 20
D4-3	6x6	5 & -5
D8-1	6x6	165
D8-2	6x6	5 & 20
D8-3	6x6	5 & -5

-ALL LOOP DETECTORS ARE PVC
 -LOCATION: DISTANCE FROM
 CROSSWALK/STOP BAR IN FEET

VIDEO DETECTION				
CAMERA		LOCATION		PHASE
NO.	TYPE	POLE	MOUNT LOC.	
V-1	DIRECTIONAL	4	LUM EXTENSION	4

SIGNAL HEAD CHART							
FACE	R	Y	G	RLA	YLA	FYA	GLA
1-1, 1-2				◀	◀	◀	◀
2-1, 2-2	○	○	○				
3-1, 3-2				◀	◀	◀	◀
4-1, 4-2	○	○	○				
5-1, 5-2				◀	◀	◀	◀
6-1, 6-2	○	○	○				
7-1, 7-2				◀	◀	◀	◀
8-1, 8-2	○	○	○				

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



SIGNAL SYSTEM OPERATION

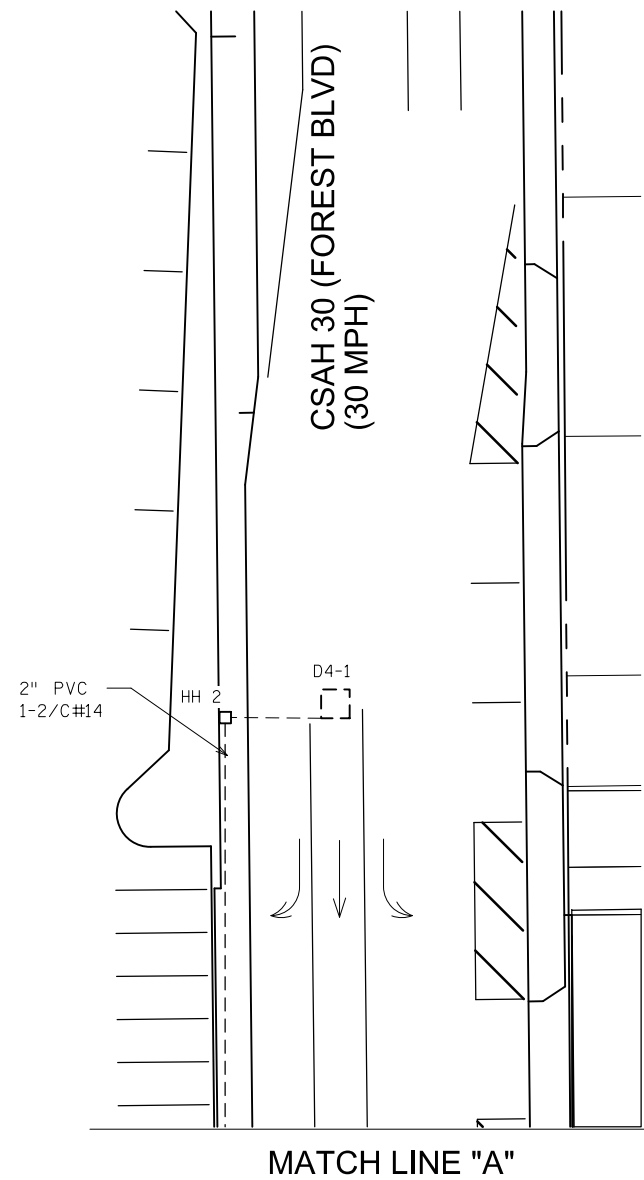
- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 8 PHASE, WITH PHASE 1, 3, 5, 7 BEING FYA TURN PHASES, BY TIME OF DAY.
- PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.

BY	DATE	REVISIONS	SYSTEM ID: 1735626	T.E.	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
EJA	06-19-15	AS-BUILT OF SP 1306-44	METER ADDRESS: METER # 22948216					
SJK	4-3-23	ADDED VIDEO DETECTION CAMERA PHASE 4	MASTER ID: N/A	T.E.				

**INTERSECTION LAYOUT
 TH 95 AT CSAH 30 (FOREST BLVD)
 IN NORTH BRANCH, CHISAGO COUNTY**

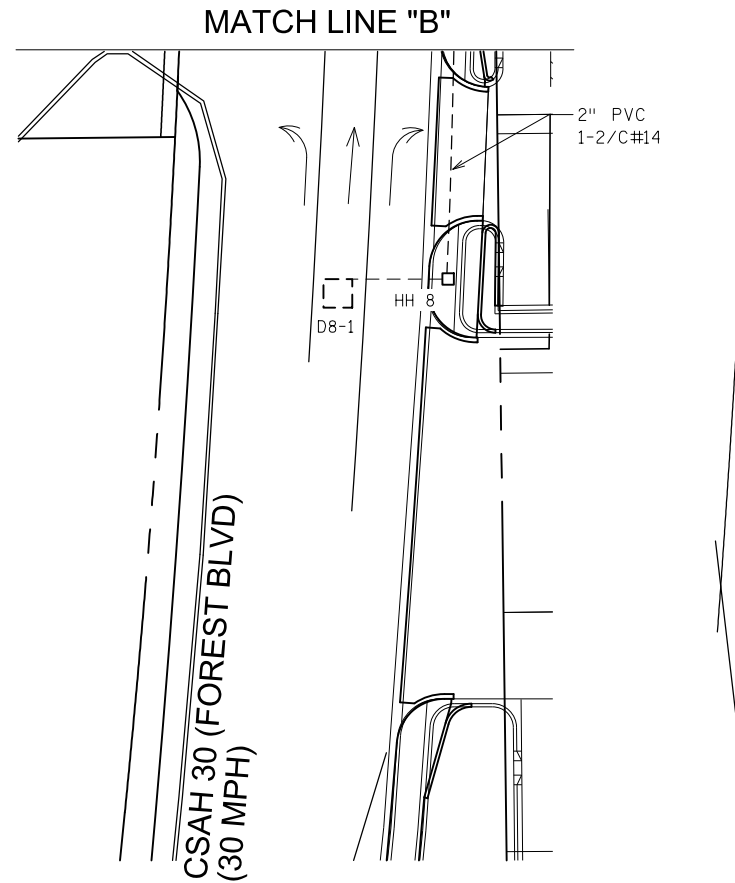
CERTIFIED BY _____	LIC. NO. _____	DATE: _____
STATE PROJ. NO. (T.H. 95)	SHEET NO. 1 OF 3 SHEETS	

DISTRICT #: Metro
 PLOT NAME: T1735626.sgl
 PATH & FILENAME: Projects\DM罗斯\095\0000\Traffic\Signal\54,25_(30).FOREST_BLDV-D-1735626-T1735626.sgl.dgn
 PLOTTED/REVISED: 3-APR-2023



- 1
- EB STA 739+67 48'LT
 - PA100 POLE FOUNDATION
 - PA100 SWING AWAY HINGES
 - TYPE PA100-A-40-D40-9 (DAVIT AT 350 DEG)
 - 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 - 1-STRAIGHT MOUNT SIGNAL OVERHEAD AT 11'
 - 2-ANGLE MOUNT SIGNALS AT 90 AND 180 DEG
 - 2-ANGLE MOUNT C. D. PED HEADS AT 90 AND 180 DEG
 - 1-ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASES 1 & 6)
 - LUMINAIRE-250W HPS
 - 1-APS PB AND SIGN (LT ARROW PB4-1)
 - 1-SIGN D-1
 - 1-SIGN R10-X12 MOUNTED ADJACENT TO HEAD 1-1
 - 3" PVC TO HH 11:
 - 2-12/C#14
 - 2-4/C#14
 - 1-3/C#14 (LUM)
 - 1-3/C#14
 - 1-3/C#20
 - 1-2/C#14
 - 1-1/C#6 INS. GR.

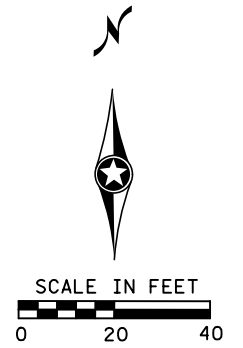
- 2
- EB STA 740+58 38'LT
 - PA90 POLE FOUNDATION
 - TYPE PA90-A-30-D40-9 (DAVIT AT 350 DEG)
 - 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 - 1-STRAIGHT MOUNT SIGNAL OVERHEAD AT 11'
 - 2-ANGLE MOUNT SIGNALS AT 90 AND 180 DEG
 - 2-ANGLE MOUNT C. D. PED HEADS AT 90 AND 180 DEG
 - 1-ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASES 3 & 8)
 - LUMINAIRE-250W HPS
 - 1-APS PB AND SIGN (LT ARROW PB6-1)
 - 1-SIGN D-2
 - 1-SIGN R10-X12 MOUNTED ADJACENT TO HEAD 3-1
 - 3" PVC TO HH 3:
 - 2-12/C#14
 - 2-4/C#14
 - 1-3/C#14 (LUM)
 - 1-3/C#14
 - 1-3/C#20
 - 1-2/C#14
 - 1-1/C#6 INS. GR.



- 3
- EB STA 740+78 43'RT
 - PA90 POLE FOUNDATION
 - PA90 SWING AWAY HINGES
 - TYPE PA90-A-35-D40-9 (DAVIT AT 350 DEG)
 - 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 - 1-STRAIGHT MOUNT SIGNAL OVERHEAD AT 11'
 - 2-ANGLE MOUNT SIGNALS AT 90 AND 180 DEG
 - 2-ANGLE MOUNT C. D. PED HEADS AT 90 AND 180 DEG
 - 1-ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASES 2 & 5)
 - LUMINAIRE-250W HPS
 - 1-APS PB AND SIGN (LT ARROW PB8-1)
 - 1-SIGN D-1
 - 1-SIGN R10-X12 MOUNTED ADJACENT TO HEAD 5-1
 - 3" PVC TO HH 6:
 - 2-12/C#14
 - 2-4/C#14
 - 1-3/C#14 (LUM)
 - 1-3/C#14
 - 1-3/C#20
 - 1-2/C#14
 - 1-1/C#6 INS. GR.

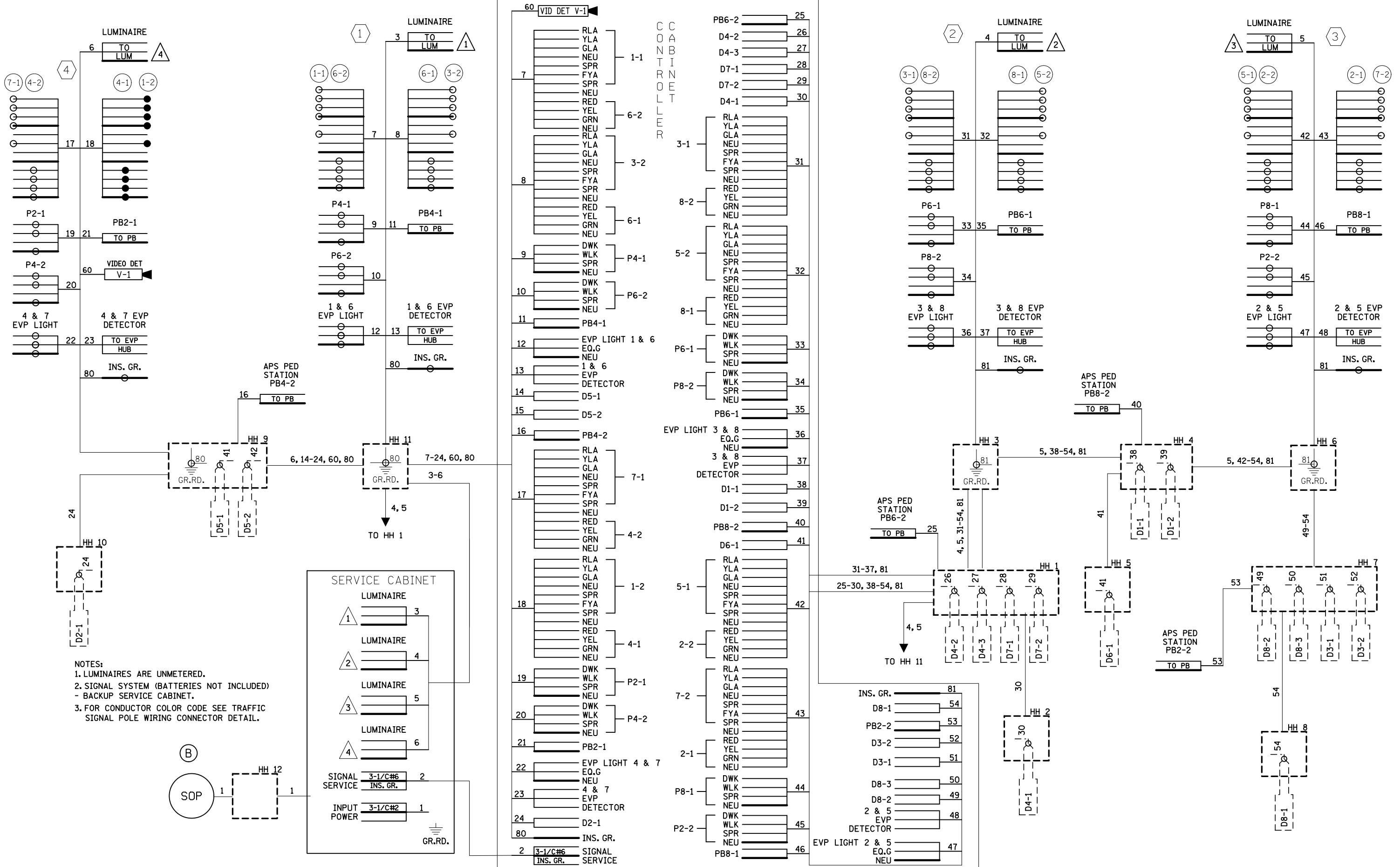
- 4
- EB STA 739+86 46'RT
 - PA100 POLE FOUNDATION
 - TYPE PA100-A-40-D40-9 (DAVIT AT 350 DEG)
 - 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 - 1-STRAIGHT MOUNT SIGNAL OVERHEAD AT 11'
 - 2-ANGLE MOUNT SIGNALS AT 90 AND 180 DEG
 - 2-ANGLE MOUNT C. D. PED HEADS AT 90 AND 180 DEG
 - 1-VIDEO CAMERA (PHASE 4) LUMINAIRE MOUNTED
 - 1-ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASES 4 & 7)
 - LUMINAIRE 250W HPS
 - 1-APS PB AND SIGN (LT ARROW PB2-1)
 - 1-SIGN D-2
 - 1-SIGN R10-X12 MOUNTED ADJACENT TO HEAD 7-1
 - 3" PVC TO HH 9:
 - 2-12/C#14
 - 2-4/C#14
 - 1-3/C#14 (LUM)
 - 1-3/C#14
 - 1-3/C#20
 - 1-2/C#14
 - 1-CAMERA POWER
 - 1-1/C#6 INS. GR.

- A
- EQUIPMENT PAD - SEE DETAIL
 - SERVICE CABINET CONTROLLER AND CABINET
 - 4" PVC TO HH 1: 4" PVC TO HH 11:
 - 2-12/C#14 4-12/C#14
 - 2-4/C#14 4-4/C#14
 - 1-3/C#14 2-3/C#14
 - 1-3/C#20 2-3/C#20
 - 18-2/C#14 6-2/C#14
 - 1-1/C#6 INS. GR. 1-CAMERA POWER
 - 4" PVC TO HH 1: 1-1/C#6 INS. GR.
 - 2-12/C#14
 - 2-4/C#14
 - 1-3/C#14
 - 1-3/C#20
 - 1-2/C#14
 - 3" PVC STUBBED OUT - CAPPED BOTH ENDS
 - 3/4" PVC STUBBED OUT CAPPED FOR TELEPHONE LINE
 - 2" PVC TO SERVICE CABINET
 - 2-1/C#6
 - 1-1/C#6 INS. GR.
 - 2-2" PVC STUBBED OUT AND CAPPED BOTH ENDS (ONE FROM CONTROLLER CABINET, ONE FROM SERVICE CABINET)
- B
- POLE MOUNTED TRANSFORMER (TO BE RELOCATED BY POWER COMPANY) APPROXIMATE LOCATION
 - EXTEND 2" PVC INTO HH 12: 3-1/C#2
- 2" PVC TO SERVICE CABINET (COMMS)
- SERVICE CABINET TO HH 12:
 - 2" PVC
 - 3-1/C #2
 - SERVICE CABINET TO HH 11:
 - 2" PVC
 - 4-3/C #14 (LUM)
 - HH 11 TO HH 1:
 - 2" PVC
 - 2-3/C#14 (LUM)

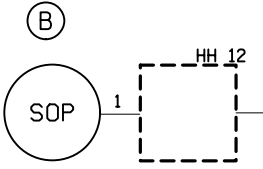


BY	DATE	REVISIONS	SYSTEM ID: 1735626	T.E.	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
EJA	06-19-15	AS-BUILT OF SP 1306-44	METER ADDRESS: METER # 22948216		CERTIFIED BY _____ LIC. NO. _____ DATE: _____			
SJK	4-3-23	ADDED VIDEO DETECTION CAMERA PHASE 4	MASTER ID: N/A	T.E.	STATE PROJ. NO.	(T.H.95)	SHEET NO.	2 OF 3 SHEETS

INTERSECTION NOTES AND MATCHLINES
 TH 95 AT CSAH 30 (FOREST BLVD)
 IN NORTH BRANCH, CHISAGO COUNTY



NOTES:
 1. LUMINAIRES ARE UNMETERED.
 2. SIGNAL SYSTEM (BATTERIES NOT INCLUDED) - BACKUP SERVICE CABINET.
 3. FOR CONDUCTOR COLOR CODE SEE TRAFFIC SIGNAL POLE WIRING CONNECTOR DETAIL.



BY	DATE	REVISIONS
EJA	06-19-15	AS-BUILT OF SP 1306-44
SJK	4-3-23	ADDED VIDEO DETECTION CAMERA PHASE 4

SYSTEM ID: 1735626	T.E.
METER ADDRESS: METER # 22948216	
MASTER ID: N/A	T.E.

WIRING DIAGRAM
 TH 95 AT CSAH 30 (FOREST BLVD)
 IN NORTH BRANCH, CHISAGO COUNTY

S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
STATE PROJ. NO.	(T.H. 95)	SHEET NO.	3 OF 3 SHEETS