

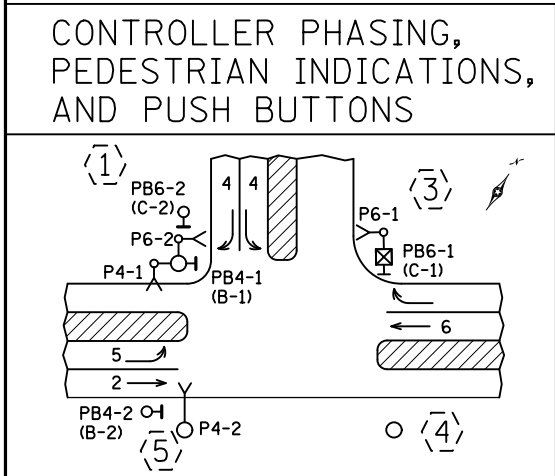
DISTRICT #: Metro
 PLOT NAME: layout
 PATH & FILENAME: Projects\DM_POS\03\0000\Traffic\Signal\85\09_12\170th ST SW-212059N\212059_sgl.dgn
 PLOTTED/REVISED: 2-NOV-2022

SIGNAL HEAD CHART				
FACE	R	Y	FYA	G
2-1, 2-2	●	●		●
4-1, 4-2	●	●		●
4-3, 4-4	●	●		●
5-1, 5-2	←	←	←	←
6-1, 6-2	●	●		●

SIGNAL SYSTEM OPERATION

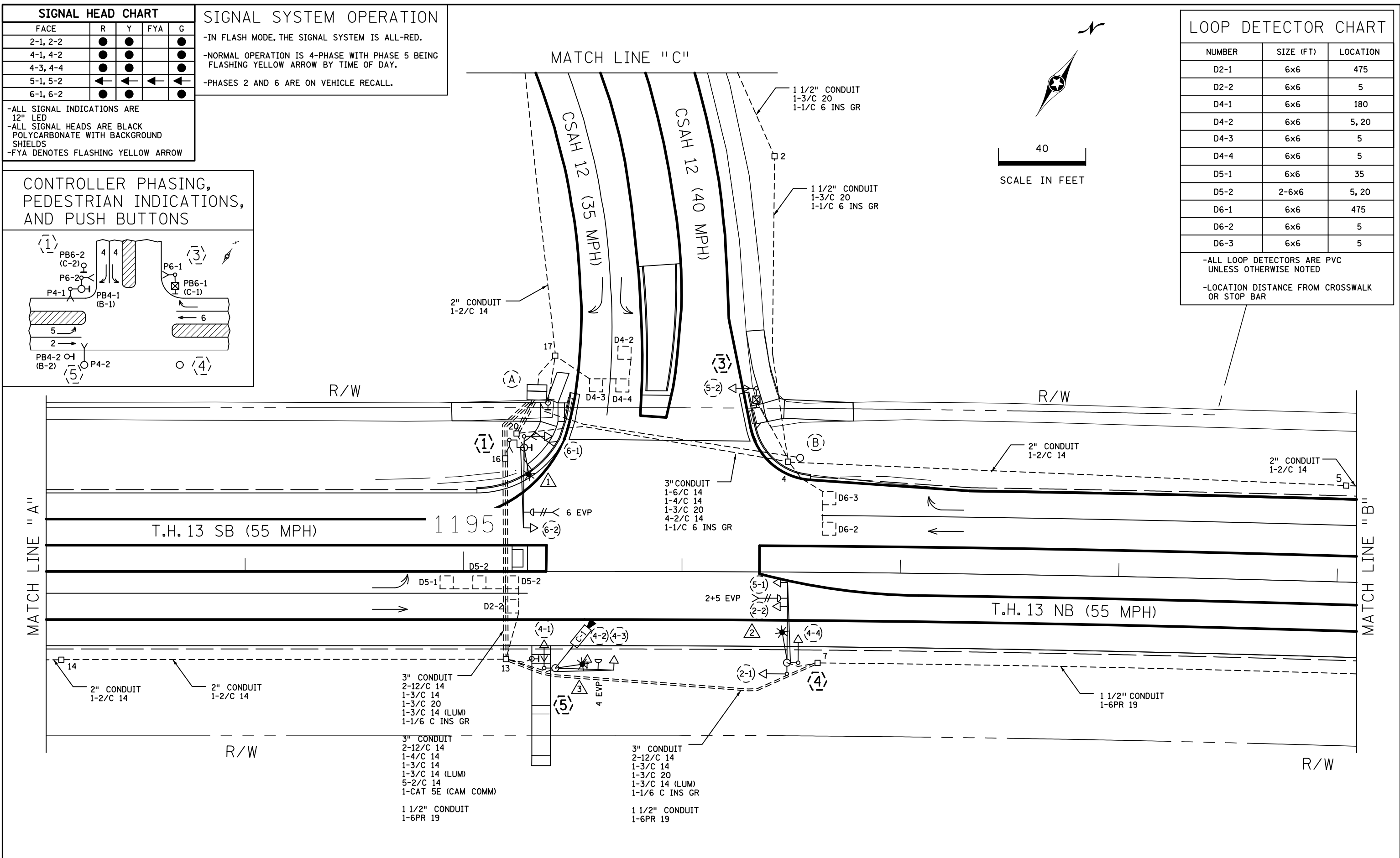
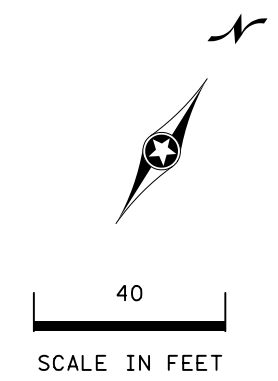
- IN FLASH MODE, THE SIGNAL SYSTEM IS ALL-RED.
- NORMAL OPERATION IS 4-PHASE WITH PHASE 5 BEING FLASHING YELLOW ARROW BY TIME OF DAY.
- PHASES 2 AND 6 ARE ON VEHICLE RECALL.

- ALL SIGNAL INDICATIONS ARE 12" LED
- ALL SIGNAL HEADS ARE BLACK POLYCARBONATE WITH BACKGROUND SHIELDS
- FYA DENOTES FLASHING YELLOW ARROW



LOOP DETECTOR CHART		
NUMBER	SIZE (FT)	LOCATION
D2-1	6x6	475
D2-2	6x6	5
D4-1	6x6	180
D4-2	6x6	5, 20
D4-3	6x6	5
D4-4	6x6	5
D5-1	6x6	35
D5-2	2-6x6	5, 20
D6-1	6x6	475
D6-2	6x6	5
D6-3	6x6	5

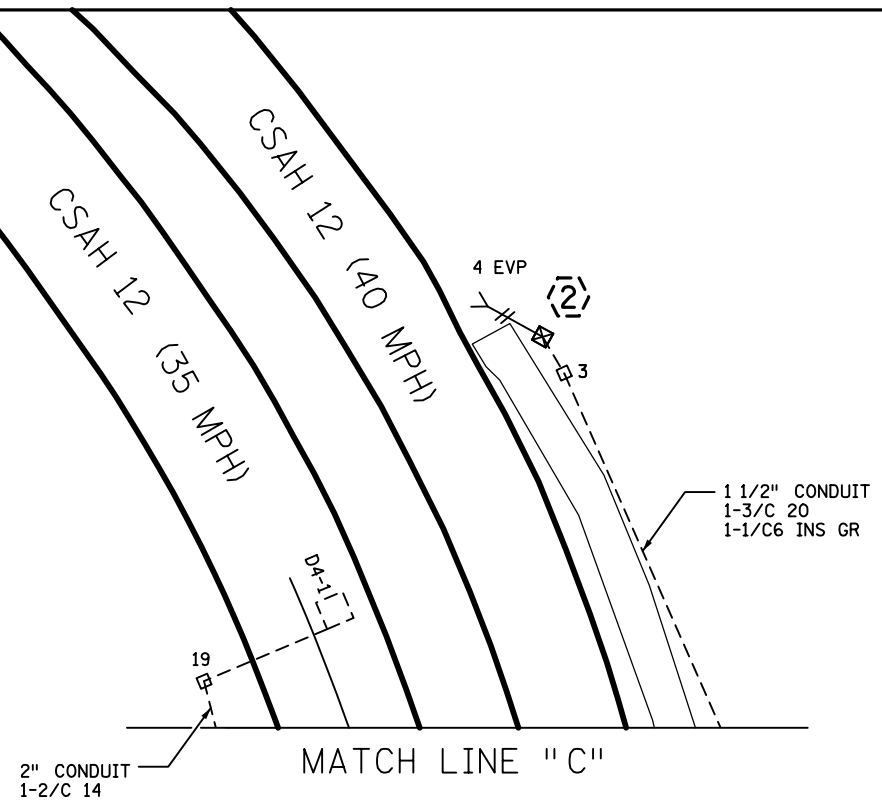
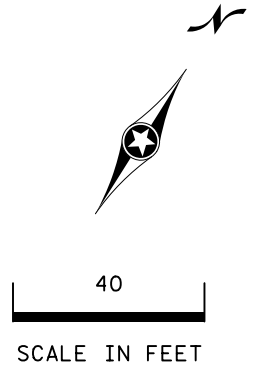
-ALL LOOP DETECTORS ARE PVC UNLESS OTHERWISE NOTED
 -LOCATION DISTANCE FROM CROSSWALK OR STOP BAR



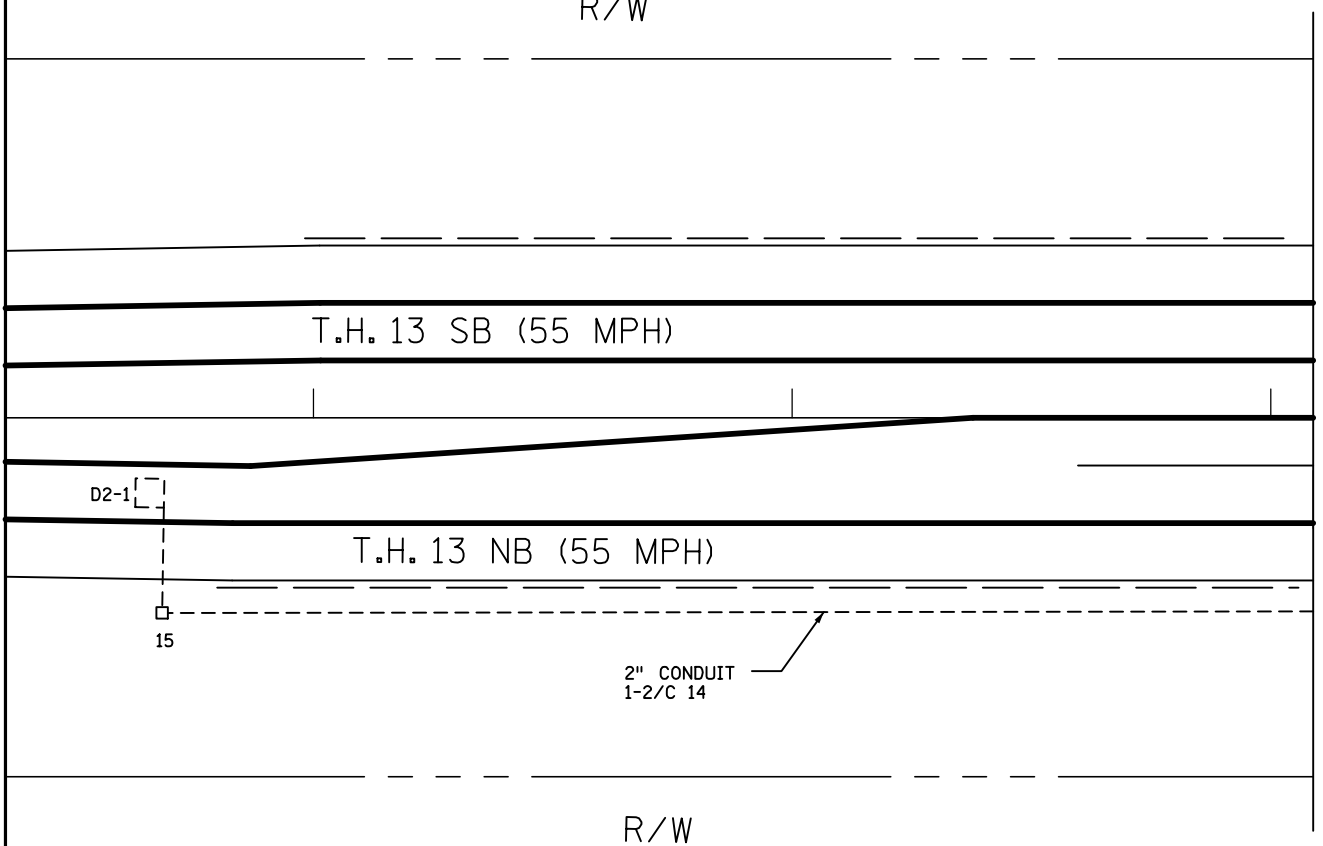
BY: SJK	DATE: 11/01/22	REVISIONS: AS-BUILT PLAN SP 7001-115	SYSTEM ID: 2120591	T.E. 4686	INTERSECTION LAYOUT T.H. 13 AT CSAH 12 (170TH ST SW) PRIOR LAKE SCOTT COUNTY	S.A.P. NO. 201-010-005	S.A.P. NO. 070-612-013	DRAWN BY: J3T	CKD BY: GBB	DATE: 09-12-18
			METER ADDRESS: 3834 170TH ST SW	OLD SYSTEM ID: 22351		CERTIFIED BY: _____	LICENSED PROFESSIONAL ENGINEER	LIC. NO. _____	DATE: _____	STATE PROJ. NO. 7001-115 (T.H.13) SHEET NO. 322E OF 410 SHEETS

PLOTTED/REVISED: 2-NOV-2022

DISTRICT #: Metro
PLOT NAME: match lines
PATH & FILENAME: Projects\DM_ROS\0300000\Traffic\Signalis\85.09_112170th ST_SW-2120591\2120591_spl.dgn

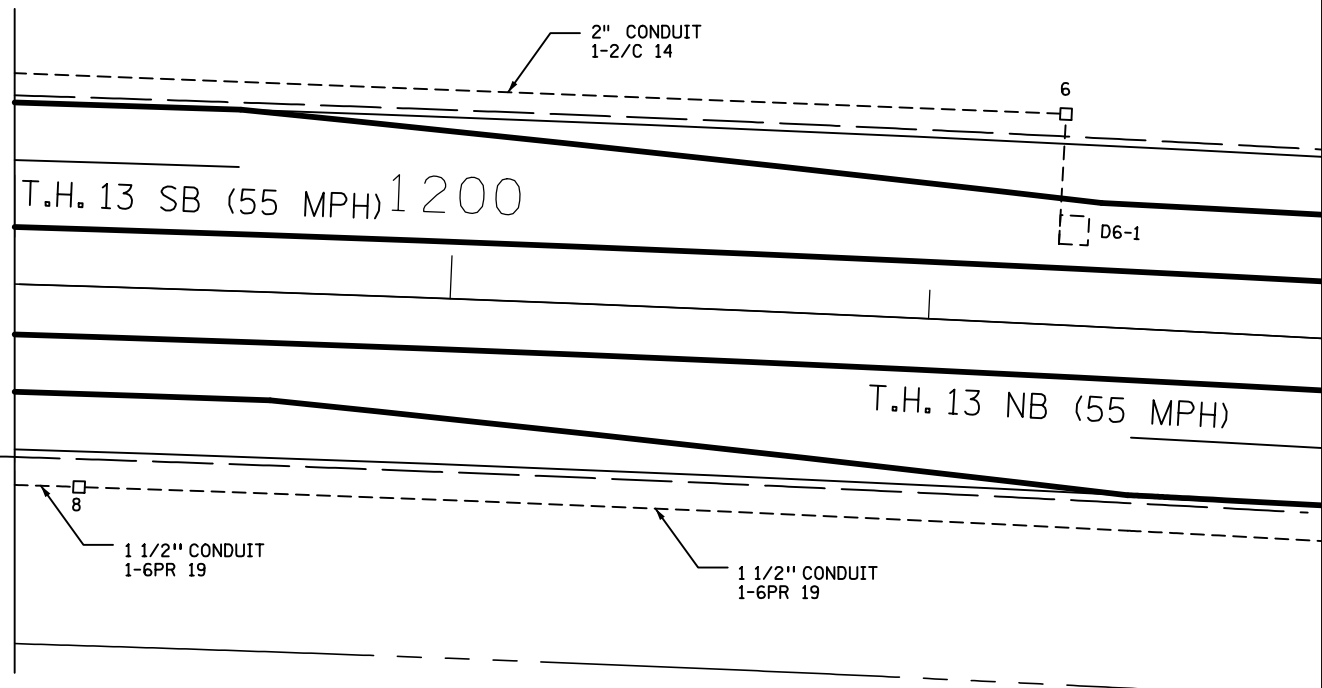


R/W



MATCH LINE "A"

MATCH LINE "B"



R/W

BY	DATE	REVISIONS
SJK	11/01/22	AS-BUILT PLAN SP 7001-115

SYSTEM ID: 2120591 T.E. 4686
 METER ADDRESS: 3834 170TH ST SW
 OLD SYSTEM ID: 22351

MATCH LINES
T.H. 13 AT CSAH 12 (170TH ST SW)
PRIOR LAKE
SCOTT COUNTY

S.A.P. NO. 201-010-005 S.A.P. NO. 070-612-013 DRAWN BY: J3T CKD BY: GBB DATE: 09-12-18
 CERTIFIED BY _____ LIC. NO. _____ DATE: _____
STATE PROJ. NO. 7001-115 (T.H.13) SHEET NO. 322F OF 410 SHEETS

DISTRICT #: Metro
 PLOT NAME: pole notes
 PATH & FILENAME: Projects\DM_R05\3\0000\Traffic\Signals\85.09_1\2170th ST SW-2120591\2120591.sgl.dgn
 PLOTTED/REVISED: 2-NOV-2022

(1) PA100 POLE FOUNDATION
 TYPE PA90-A-35-D40-9 (DAVIT AT 350 DEG)
 1-PAIR SWING AWAY HINGES
 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 1-ANGLE MOUNT SIGNAL AT 180 DEG
 2-STRAIGHT MOUNT CD PED HEADS AT 90 AND 180 DEG
 1-APS PB AND SIGN (LT ARROW FOR PB4-1) AND APS POLE MOUNTING ADAPTER
 1-ONE WAY EVP DETECTOR AND CONFIRMATION LIGHT (PHASE 6)
 1-TYPE D SIGN D-1 (SEE SIGN DETAILS)
 3" CONDUIT TO HH 20:
 1-12/C 14
 2-4/C 14
 1-3/C 14
 1-3/C 20
 1-3/C 14 (LUM)
 1-2/C 14
 1-1/C 6 INS GR

PED PB STATION
 1-APS PB AND SIGN (RT ARROW) PB6-2
 EXTEND INTO HH 17:
 2" CONDUIT
 1-2/C 14
 1-1/C 6 INS GR

(5) PA85 POLE FOUNDATION
 TYPE PA85-A-25-X6-350/CAM 400 EXTENSION (DAVIT AT 350 DEG)
 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 1-ANGLE MOUNT SIGNAL AT 180 DEG
 1-STRAIGHT MOUNT SIGNAL OVERHEAD AT 12'-3"
 1-ANGLE MOUNT CD PED HEAD AT 180 DEG
 1-ONE WAY EVP CONFIRMATION LIGHT (PHASE 4)
 1-VIDEO CAMERA W/MOUNT
 1-TYPE D SIGN D-1 (SEE SIGN DETAILS)
 3" CONDUIT TO HH 13:
 2-12/C 14
 1-4/C 14
 1-3/C 14
 1-3/C 14 (LUM)
 1- CAT 5E (CAM COMM)
 1-1/C 6 INS GR
 1-7/16" GR BR

PED PB STATION
 1-APS PB AND SIGN (RT ARROW) PB4-2
 EXTEND INTO HH 13:
 2" CONDUIT
 1-2/C 14
 1-1/C 6 INS GR

(2) PEDESTAL FOUNDATION
 10' PEDESTAL POLE PLUS BASE
 ONE-WAY EVP DETECTOR
 2" CONDUIT TO HH 3:
 1-3/C 20
 1-1/C 6 INS GR

(3) PEDESTAL FOUNDATION
 13' PEDESTAL POLE PLUS BASE
 1-STRAIGHT MOUNT SIGNAL AT 90 DEG
 1-STRAIGHT MOUNT CD PED HEAD AT 90 DEG
 1-APS PB AND SIGN (LT ARROW FOR PB6-1) AND APS PB MOUNTING SPACERS
 2" CONDUIT TO HH 4:
 1-2/C 14
 1-4/C 14
 1-6/C 14
 1-1/C 6 INS GR

(4) PA90 POLE FOUNDATION
 TYPE PA90-A-35-D40-9 (DAVIT AT 350 DEG)
 1-PAIR SWING AWAY HINGES
 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 2-ANGLE MOUNT SIGNALS AT 90 DEG AND 180 DEG
 1-STRAIGHT MOUNT SIGNAL OVERHEAD AT 11'
 1-ONE WAY EVP DETECTOR AND CONFIRMATION LIGHT (PHASES 2 AND 5)
 1-R10-X12 SIGN ADJACENT TO HEAD 5-1
 1-TYPE D SIGN D-1 (SEE SIGN DETAILS)
 3" CONDUIT TO HH 7:
 2-12/C 14
 1-3/C 14 (LUM)
 1-3/C 14
 1-3/C 20
 1-1/C 6 INS GR

(A) EQUIPMENT PAD (SEE DETAIL SHEET)
 SERVICE CABINET (SSB) NO BATTERY BACK UP SYSTEM OR BATTERIES
 CONTROLLER AND CABINET (STATE FURNISHED)

CONTROLLER CABINET TO HH 16:
 3" CONDUIT
 2-12/C 14
 1-3/C 14
 1-3/C 20
 1-1/C 6 INS GR

CONTROLLER CABINET TO HH 16:
 3" CONDUIT
 2-12/C 14
 1-4/C 14
 1-3/C 14
 5-2/C 14
 1-CAT 5E (CAM COMM)

CONTROLLER CABINET TO HH 16:
 1 1/2" CONDUIT
 1-6PR 19

CONTROLLER CABINET TO HH 17:
 2" CONDUIT
 5-2/C 14
 1-1/C 6 IN GR

CONTROLLER CABINET TO HH 20:
 3" CONDUIT
 1-12/C 14
 2-4/C 14
 1-3/C 14
 1-3/C 20
 1-2/C 14

CONTROLLER CABINET TO HH 20:
 3" CONDUIT
 1-6/C 14
 1-4/C 14
 1-3/C 20
 4-2/C 14
 1-1/C 6 INS GR

CONTROLLER CABINET TO SERVICE CABINET:
 2" CONDUIT
 3-1/C 6 (SIGNAL SERVICE)

CONTROLLER CABINET TO SERVICE CABINET:
 2" CONDUIT
 1-6PR 19 (CAB COMM)

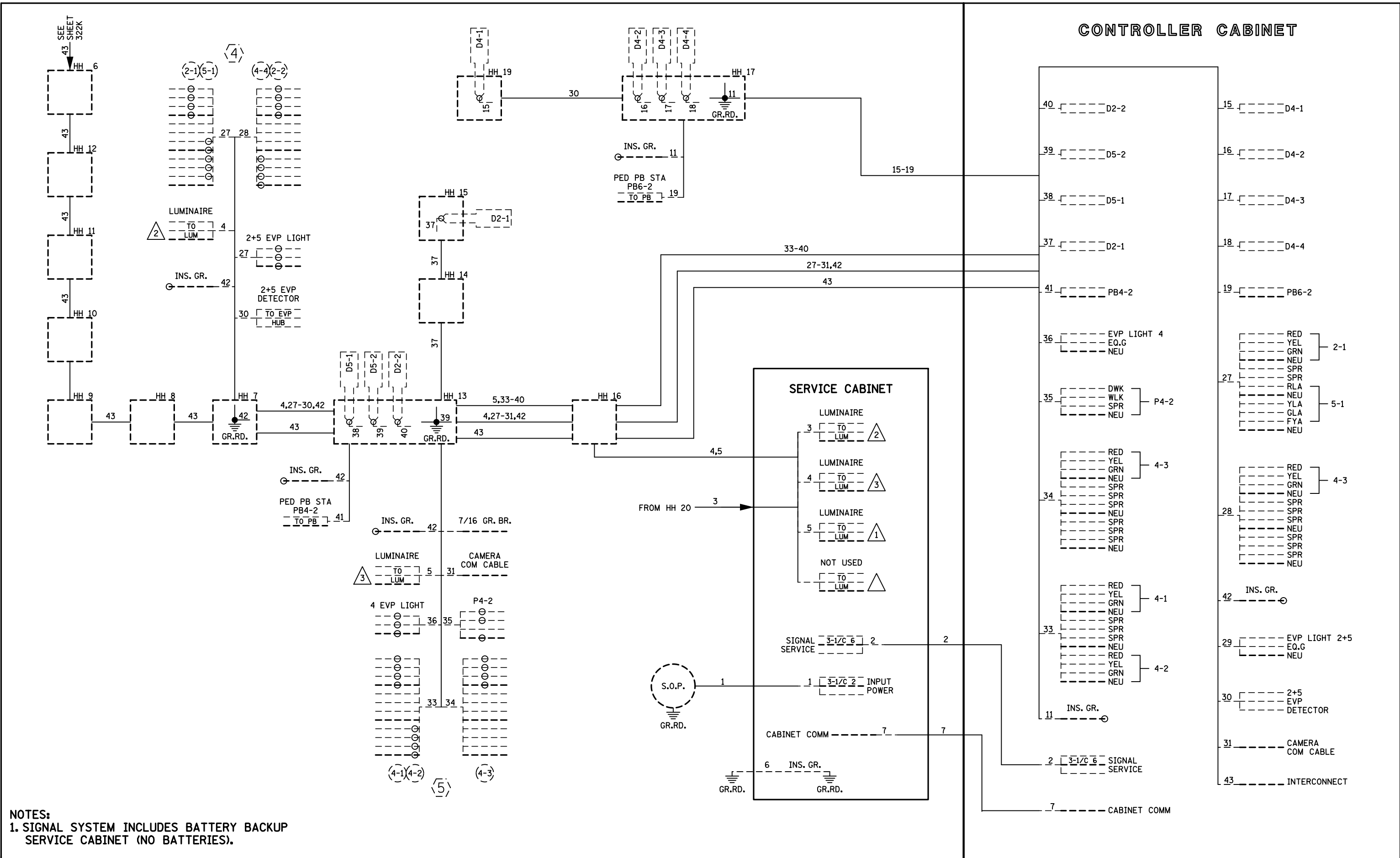
SERVICE CABINET TO HH 16:
 2" CONDUIT
 2-3/C 14 (LUM)

SERVICE CABINET TO HH 20:
 1-3/C 14 (LUM)

(B) 35' WOOD POLE W/SERVICE
 2" CONDUIT, RISER, AND WEATHERHEAD
 WOOD POLE TO SERVICE CABINET:
 2" CONDUIT
 3-1/C 2

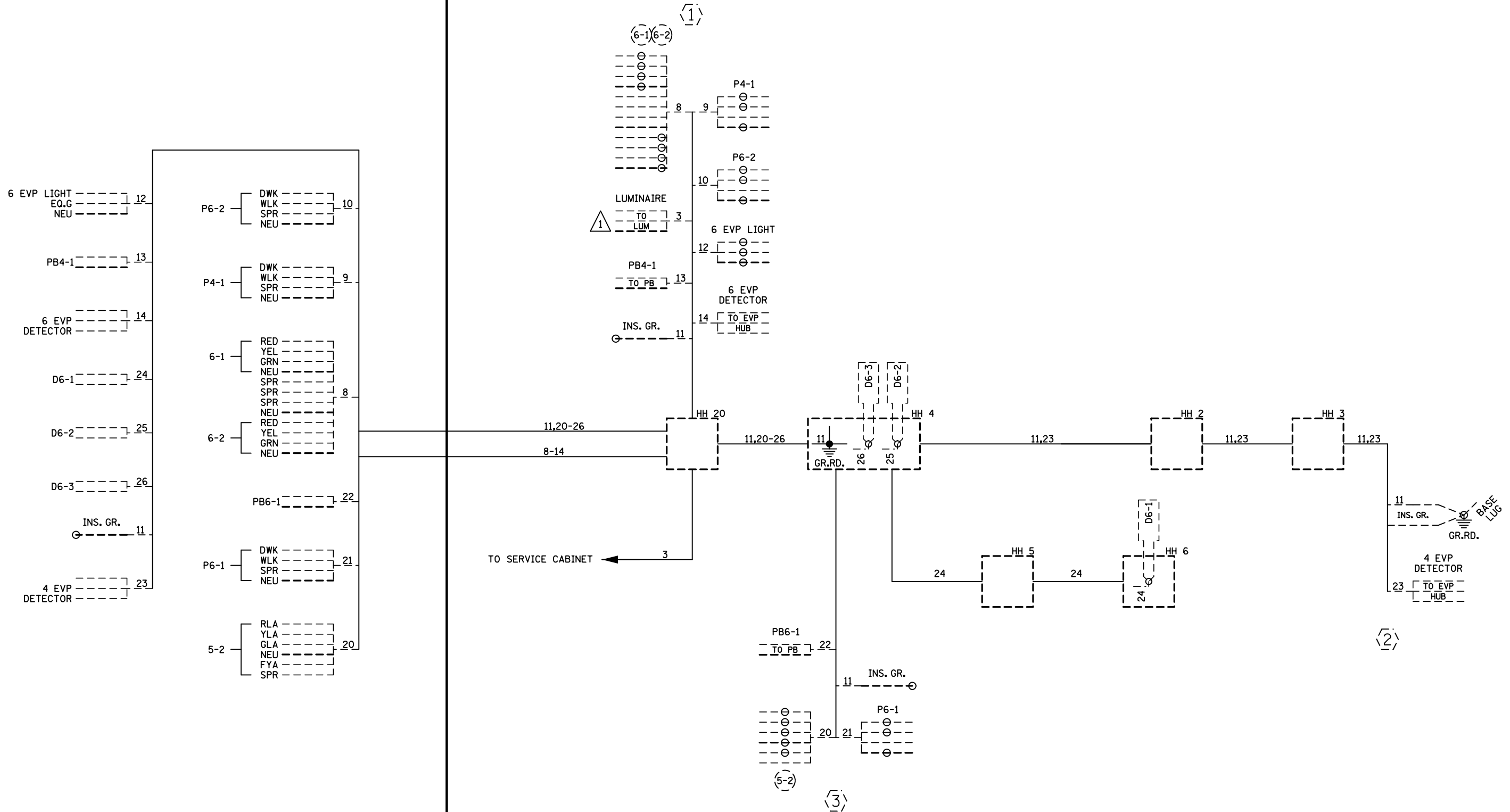
BY	DATE	REVISIONS	SYSTEM ID: 2120591 T.E. 4686	INTERSECTION NOTES T.H. 13 AT CSAH 12 (170TH ST SW) PRIOR LAKE SCOTT COUNTY	S.A.P. NO. 201-010-005	S.A.P. NO. 070-612-013	DRAWN BY: J3T	CKD BY: GBB	DATE: 09-12-18
SJK	11/01/22	AS-BUILT PLAN SP 7001-115	METER ADDRESS: 3834 170TH ST SW		CERTIFIED BY _____ LIC. NO. _____ DATE: _____				
			OLD SYSTEM ID: 22351		STATE PROJ. NO. 7001-115 (T.H.13)	SHEET NO. 322G OF 410 SHEETS			

DISTRICT #: Metro
 PLOT NAME: wiring diagram 1 of 2
 PATH & FILENAME: Projects\DM_ROS\3\00000\Traffic\Signal\8509_1\2170th ST SW-2120591\212059_sgl.dgn
 PLOTTED/REVISED: 2-NOV-2022



BY	DATE	REVISIONS	SYSTEM ID: 2120591 T.E. 4686	FIELD WIRING DIAGRAM (1 OF 2)	S.A.P. NO. 201-010-005	S.A.P. NO. 070-612-013	DRAWN BY: J3T	CKD BY: GBB	DATE: 09-12-18
SJK	11/01/22	AS-BUILT PLAN SP 7001-115	METER ADDRESS: 3834 170TH ST SW	T.H. 13 AT CSAH 12 (170TH ST SW)	CERTIFIED BY _____ LIC. NO. _____ DATE: _____		STATE PROJ. NO. 7001-115 (T.H. 13) SHEET NO. 322H OF 410 SHEETS		
			OLD SYSTEM ID: 22351	PRIOR LAKE SCOTT COUNTY					

CONTROLLER CABINET

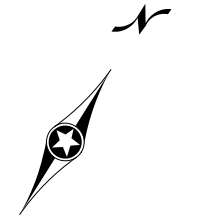


DISTRICT #: Metro
 PLOT NAME: wiring diagram 2 of 2
 PATH & FILENAME: Projects\DM_ROS\3\0000\Traffic\Signal\8509_1\2170th ST SW-2120591\212059_sgl.dgn
 PLOTTED/REVISED: 2-NOV-2022

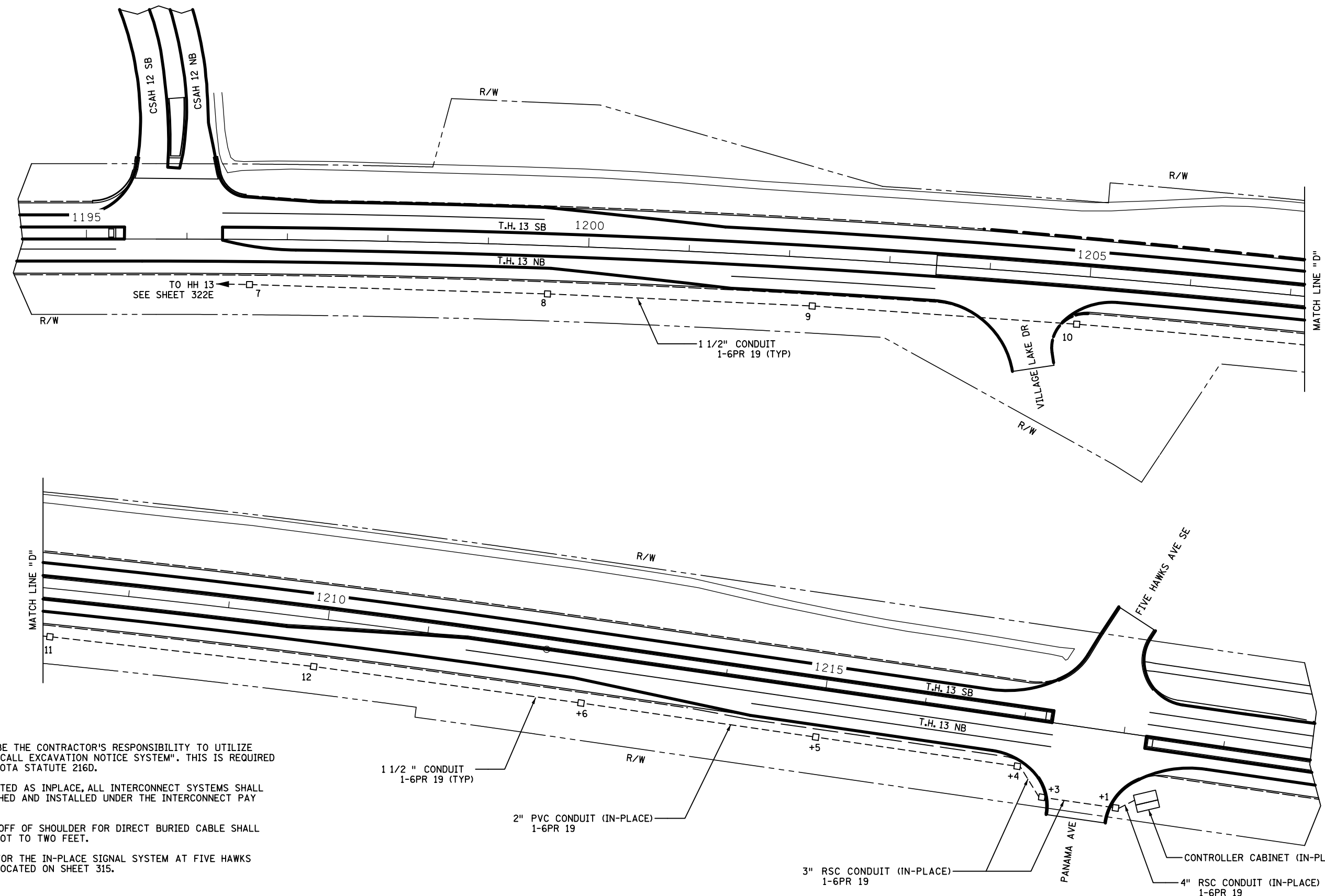
BY	DATE	REVISIONS	SYSTEM ID: 2120591 T.E. 4686	FIELD WIRING DIAGRAM (2 OF 2)	S.A.P. NO. 201-010-005	S.A.P. NO. 070-612-013	DRAWN BY: J3T	CKD BY: GBB	DATE: 09-12-18
SJK	11/01/22	AS-BUILT PLAN SP 7001-115	METER ADDRESS: 3834 170TH ST SW	T.H. 13 AT CSAH 12 (170TH ST SW)	CERTIFIED BY _____ LIC. NO. _____ DATE: _____				
			OLD SYSTEM ID: 22351	PRIOR LAKE	STATE PROJ. NO. 7001-115 (T.H.13)		SHEET NO. 322I OF 410 SHEETS		
				SCOTT COUNTY					

PLOTTED/REVISED: 31-MAY-2019

I/PLOT NAME: 322K
 PATH & FILENAME: Projects\DM_R05\013\0000\Traffic\Signals\2120591\CSAH12_170th_St\T2120591YY_sgl.dgn



100
 SCALE IN FEET



- NOTES:
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO UTILIZE THE "ONE CALL EXCAVATION NOTICE SYSTEM". THIS IS REQUIRED BY MINNESOTA STATUTE 216D.
 2. UNLESS NOTED AS INPLACE, ALL INTERCONNECT SYSTEMS SHALL BE FURNISHED AND INSTALLED UNDER THE INTERCONNECT PAY ITEM.
 3. DISTANCE OFF OF SHOULDER FOR DIRECT BURIED CABLE SHALL BE ONE FOOT TO TWO FEET.
 4. DETAILS FOR THE IN-PLACE SIGNAL SYSTEM AT FIVE HAWKS AVE ARE LOCATED ON SHEET 315.

+ IN-PLACE HAND HOLE (FIVE HAWKS INTERSECTION)

BY	DATE	REVISIONS	SYSTEM ID: 2120591 T.E. 4686	METER ADDRESS: 3834 170TH ST SW	OLD SYSTEM ID: N/A 22351	INTERCONNECT LAYOUT T.H. 13 AT CSAH 12 (170TH ST SW) PRIOR LAKE SCOTT COUNTY	S.A.P. NO. 201-010-005	S.A.P. NO. 070-612-013	DRAWN BY: J3T	CKD BY: GBB	DATE: 09-12-18	
							CERTIFIED BY: <i>Genny Begley</i>	LIC. NO. 44915	DATE: 09-12-2018			
							STATE PROJ. NO. 7001-115 (T.H. 13)	SHEET NO. 322K OF 410 SHEETS				