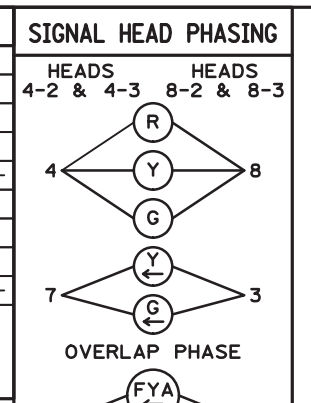


DISTRICT #: Metro
 PLOT NAME: sheet_92
 PATH & FILENAME: Projects\DM_ROS\05\0000\Traffic\Signals\6.84_RoseLawn_Ave_W-3779746-PENDING\T20737_sgl.dgn
 PLOTTED/REVISED: 6-APR-2023

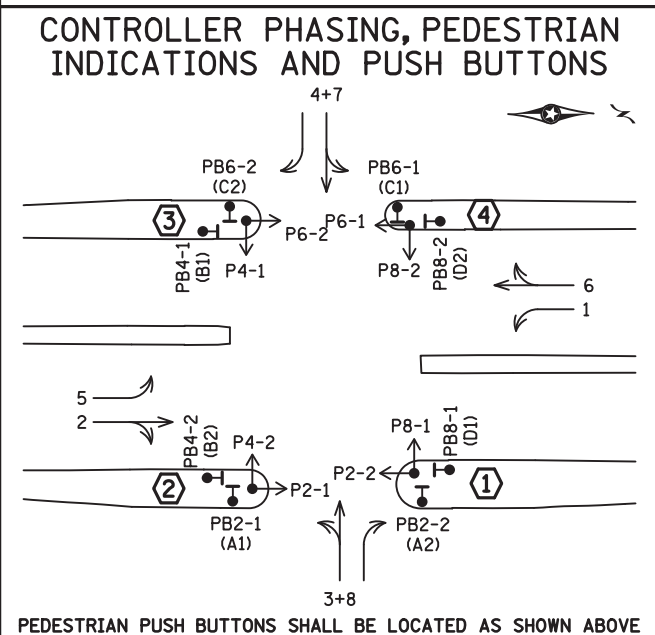
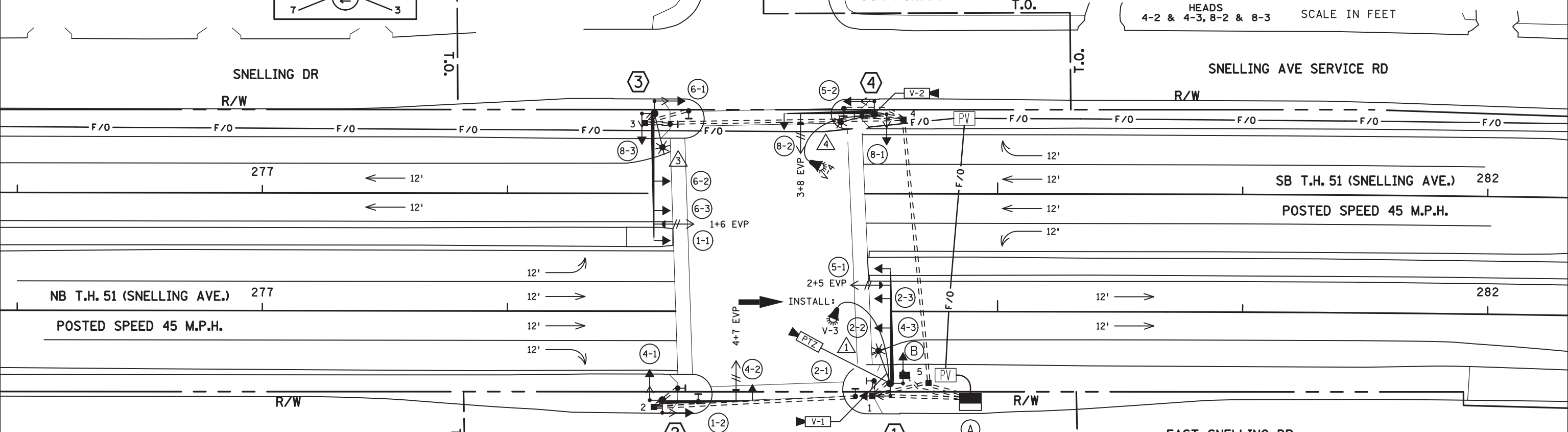
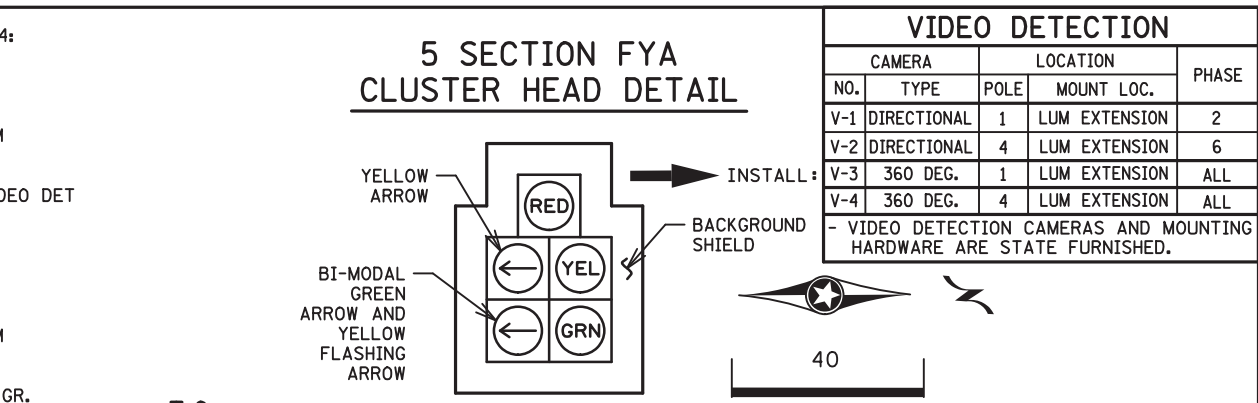
SIGNAL HEAD CHART						
FACE	R	Y	FYA	G	Y	G
1-1, 1-2	←	←	←	←		
2-1, 2-2, 2-3	○	○		○		
4-1	○	○		○		
4-2, 4-3	○	○	←	○	←	←
5-1, 5-2	←	←	←	←		
6-1, 6-2, 6-3	○	○		○		
8-1	○	○		○		
8-2, 8-3	○	○	←	○	←	←



HH 4 TO HH 3:
 3" CONDUIT
 2-12/C 14
 1-6/C 14
 2-4/C 14
 1-3/C 14
 1-3/C 14 LUM
 2-2/C 14
 1-3/C 20
 1-1/C 6 INS. GR.

HH 5 TO HH 4:
 3" CONDUIT
 2-12/C 14
 2-4/C 14
 1-3/C 14
 1-3/C 14 LUM
 1-2/C 14
 1-3/C 20
 2-CAT 5E VIDEO DET

HH 1 TO HH 2:
 3" CONDUIT
 2-12/C 14
 2-4/C 14
 1-3/C 14
 2-2/C 14
 1-3/C 20
 1-1/C 6 INS. GR.



GENERAL DESCRIPTION OF THE SIGNAL REVISION WORK:

- THE REVISION SIGNAL SYSTEM WORK CONSISTS OF INSTALLING (ADDING) A GRIDSMAART CAMERA (V-3).
- ALL ITEMS ARE IN PLACE UNLESS OTHERWISE INDICATED.
- → INDICATES SIGNAL REVISION WORK TO BE COMPLETED.

BY	DATE	REVISIONS	SYSTEM ID: 3779746	T.E. 92844	S.A.P. NO.	DRAWN BY: HRL	CKD BY: CDB	DATE: 03/31/23
			METER ADDRESS: 1930 SNELLING AVE N		CERTIFIED BY: <i>Gregory Kern</i>	LIC. NO. 26829		DATE: 04/04/23
			OLD SYSTEM ID: 20737		STATE PROJ. NO. 8825-1025 (T.H. 999)		SHEET NO. 92 OF 121 SHEETS	

DISTRICT *: Metro
 PLOT NAME: sheet_93
 PATH & FILENAME: Projects\DM罗斯05\0000\Traffic\Signal\6.84_ROSELAWN AVE W-3779746-PENDING\T20737_sgl.dgn PLOTTED/REVISED: 6-APR-2023

3 PA100 POLE FOUNDATION
 TYPE PA100-A-50-D40-9 (DAVIT AT 350 DEG)
 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 2-STRAIGHT MOUNT SIGNALS OVERHEAD AT 11' AND 23'
 1-ANGLE MOUNT SIGNAL WITH CLUSTER ADAPTER AT 90 DEG
 1-ANGLE MOUNT SIGNAL AT 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-LED (FOR 40' MOUNTING HEIGHT)
 1-R10-X12 SIGN ADJACENT TO HEAD (1-1)
 1-TYPE D SIGN (D-203) (ROSELAWN AVE) (SEE SIGN DETAILS)
 3" CONDUIT TO HH 3:
 2-12/C 14
 1-6/C 14
 2-4/C 14
 1-3/C 14
 1-3/C 14 (LUM)
 1-3/C 20
 1-1/C 6 INS. GR.

PED PB STATION
 1-APS PB AND SIGN (LT ARROW) (PB6-2)
 EXTEND INTO HH 3:
 1" NOM. DIA. CONDUIT
 1-2/C 14
 1-1/C 6 INS. GR.

PED PB STATION
 1-APS PB AND SIGN (LT ARROW) (PB4-1)
 EXTEND INTO HH 3:
 1" NOM. DIA. CONDUIT
 1-2/C 14
 1-1/C 6 INS. GR.

A EQUIPMENT PAD (SEE DETAIL SHEET)
 SERVICE CABINET (SSB) NO BATTERY BACKUP SYSTEM OR BATTERIES
 CONTROLLER AND CABINET (STATE FURNISHED)
 3" CONDUIT TO HH 1:
 2-12/C 14
 1-6/C 14
 2-4/C 14
 1-3/C 14
 2-2/C 14
 1-3/C 20
 1-CAT 5E VIDEO DET
 1-CAT 5E TRA MGMT CAM
 1-CAT 5E (VID DET)
 3" CONDUIT TO HH 1:
 2-12/C 14
 2-4/C 14
 1-3/C 14
 2-2/C 14
 1-3/C 20
 1-1/C 6 INS. GR.

GROUND WIRE AND GROUND ROD - MIN 8' OUT FROM PAD
 2-2" AND 1-3" CONDUIT STUBBED OUT (CAPPED BOTH ENDS)
 1-1/2" CONDUIT TO INPLACE TMS PULL VAULT:
 1-FIBER OPTIC CABLE PIGTAIL (6-SM FIELD TERMINATED) (SEE NOTE 12)

CONTROLLER CABINET TO SERVICE CABINET:
 2" CONDUIT
 3-1/C 6
 SERVICE CABINET TO SOP:
 2" CONDUIT
 3-1/C 2
 SERVICE CABINET TO EXTERNAL GR. RD.:
 1" CONDUIT
 1-1/C 6 INS. GR. (SEE EQUIPMENT PAD LAYOUT)
 SERVICE CABINET TO HH 5:
 2" CONDUIT
 3-3/C 14 (LUM)
 HH 5 TO HH 1:
 2" CONDUIT
 1-3/C 14 (LUM)

B SOP-INPLACE SERVICE CABINET (XCEL ENERGY)
 2" CONDUIT TO SERVICE CABINET:
 3-1/C 2

4 PA90 POLE FOUNDATION
 TYPE PA90-A-35-D40-9 (DAVIT AT 315 DEG)
 1-VIDEO DETECTION CAMERA (V-4) WITH MOUNT MOUNTED ON LUMINAIRE EXTENSION (360 DEG VIDEO DET.)
 1-VIDEO DETECTION CAMERA (V-2) WITH MOUNT (DIRECTIONAL VIDEO DET.)
 MOUNTED AT 180 DEG ON LUMINAIRE EXTENSION AT 30'
 1-ANGLE MOUNT SIGNAL WITH CLUSTER ADAPTER OVERHEAD AT 0'
 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-LED (FOR 40' MOUNTING HEIGHT)
 1-R10-X12 SIGN ADJACENT TO HEAD (8-2)
 2-TYPE D SIGNS (D-201) (MN51), (D-202) (SNELLING AVE) (SEE SIGN DETAILS)
 3" CONDUIT TO HH 4:
 2-12/C 14
 2-4/C 14
 1-3/C 14
 1-3/C 14 (LUM)
 1-3/C 20
 2-CAT 5E VIDEO DET
 1-1/C 6 INS. GR.
 1-7/16" GROUNDING BRAID TO GROUND ROD IN HH 4

PED PB STATION
 1-APS PB AND SIGN (LT ARROW) (PB8-2)
 EXTEND INTO HH 4:
 1" NOM. DIA. CONDUIT
 1-2/C 14
 1-1/C 6 INS. GR.

PED PB STATION
 1-APS PB AND SIGN (LT ARROW) (PB6-1)
 EXTEND INTO HH 4:
 1" NOM. DIA. CONDUIT
 1-2/C 14
 1-1/C 6 INS. GR.

2 PA90 POLE FOUNDATION
 TYPE PA90-A-35
 1-ANGLE MOUNT SIGNAL WITH CLUSTER ADAPTER OVERHEAD AT 0'
 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 4+7)
 1-R10-X12 SIGN ADJACENT TO HEAD (4-2)
 2-TYPE D SIGNS (D-201) (MN51), (D-202) (SNELLING AVE) (SEE SIGN DETAILS)
 3" CONDUIT TO HH 2:
 2-12/C 14
 2-4/C 14
 1-3/C 14
 1-3/C 20
 1-1/C 6 INS. GR.

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

PED PB STATION
 1-APS PB AND SIGN (LT ARROW) (PB2-1)
 EXTEND INTO HH 2:
 1" NOM. DIA. CONDUIT
 1-2/C 14
 1-1/C 6 INS. GR.

1 PA100 POLE FOUNDATION
 TYPE PA100-A-45
 XG-350/CAM 400 EXTENSION (MOUNTED AT 350 DEG)
 LIGHTNING ROD
 1-TRAFFIC MANAGEMENT CAMERA WITH MOUNT
 1-7/16" GROUNDING BRAID
 1-VIDEO DETECTION CAMERA (V-1) AND MOUNT MOUNTED ON LUMINAIRE EXTENSION
 1-360 DEG VIDEO DETECTION CAMERA (V-3) (STATE FURNISHED)
 SIDE MOUNTED ON DAVIT (THE CAMERA WILL BE JUST BELOW LIGHTNING PLATE)
 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 2-STRAIGHT MOUNT SIGNALS OVERHEAD AT 11' AND 23'
 1-ANGLE MOUNT SIGNAL WITH CLUSTER ADAPTER AT 90 DEG
 1-ANGLE MOUNT SIGNAL AT 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-LED (FOR 40' MOUNTING HEIGHT)
 1-R10-X12 SIGN ADJACENT TO HEAD (5-1)
 1-TYPE D SIGN (D-203) (ROSELAWN AVE) (SEE SIGN DETAILS)
 3" CONDUIT TO HH 1:
 2-12/C 14
 1-6/C 14
 2-4/C 14
 1-3/C 14
 1-3/C 14 (LUM)
 1-3/C 20
 1-CAT 5E VIDEO DET
 1-1/C 6 INS. GR.
 1-7/16" GROUNDING BRAID TO GROUND ROD IN HH 1
 1-CAT 5E TRA MGMT CAM
 1-CAT 5E (VID DET)

PED PB STATION
 1-APS PB AND SIGN (RT ARROW) (PB2-2)
 EXTEND INTO HH 1:
 1" NOM. DIA. CONDUIT
 1-2/C 14
 1-1/C 6 INS. GR.

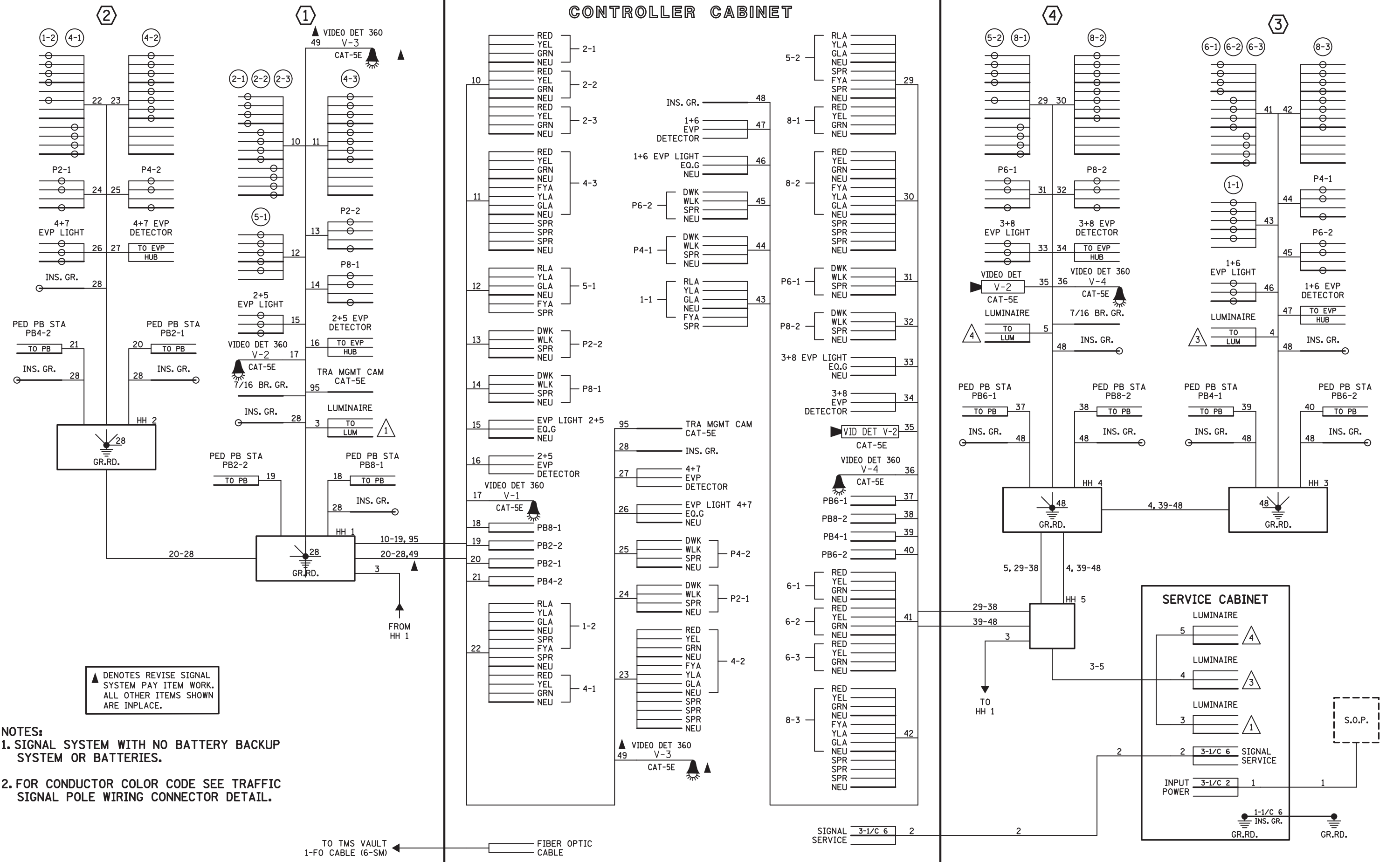
PED PB STATION
 1-APS PB AND SIGN (LT ARROW) (PB8-1)
 EXTEND INTO HH 1:
 1" NOM. DIA. CONDUIT
 1-2/C 14
 1-1/C 6 INS. GR.

GENERAL DESCRIPTION OF THE SIGNAL REVISION WORK:
 - THE REVISE SIGNAL SYSTEM WORK CONSISTS OF INSTALLING (ADDING) A GRIDSMART CAMERA (V-3),
 - ALL ITEMS ARE INPLACE UNLESS OTHERWISE INDICATED.
 - INDICATES SIGNAL REVISION WORK TO BE COMPLETED.

BY	DATE	REVISIONS	SYSTEM ID: 3779746	T.E. 92844	REVISION SIGNAL SYSTEM "Z" INTERSECTION NOTES	S.A.P. NO.	DRAWN BY:HRL	CKD BY:CDB	DATE:03/31/23
			METER ADDRESS: 1930 SNELLING AVE N		T.H. 51 (SNELLING AVE.) AT ROSELAWN AVE. IN FALCON HEIGHTS AND ROSEVILLE, RAMSEY CO.	CERTIFIED BY	LIC. NO. 26829		DATE: 04/04/23
			OLD SYSTEM ID: 20737			STATE PROJ. NO. 8825-1025 (T.H. 999)			SHEET NO. 93 OF 121 SHEETS

DISTRICT *: Metro
 IPLOT NAME: sheet_94
 PATH & FILENAME: Projects\DM_ROS\05\0000\Traffic\Signals\6.84_RoseLawn_Ave_W-3779746-PENDING\20737_sgl.dgn PLOTTED/REVISED: 6-APR-2023

CONTROLLER CABINET



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

- NOTES:**
1. SIGNAL SYSTEM WITH NO BATTERY BACKUP SYSTEM OR BATTERIES.
 2. FOR CONDUCTOR COLOR CODE SEE TRAFFIC SIGNAL POLE WIRING CONNECTOR DETAIL.

TO TMS VAULT 1-FO CABLE (6-SM) ← FIBER OPTIC CABLE

BY	DATE	REVISIONS

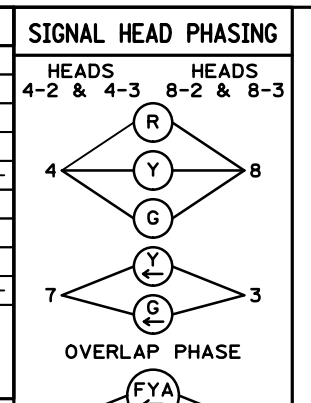
SYSTEM ID: 3779746 T.E. 92844
 METER ADDRESS: 1930 SNELLING AVE N
 OLD SYSTEM ID: 20737

REVISE SIGNAL SYSTEM "Z"
FIELD WIRING DIAGRAM
 T.H. 51 (SNELLING AVE.) AT ROSELAWN AVE. IN
 FALCON HEIGHTS AND ROSEVILLE, RAMSEY CO.

S.A.P. NO. _____
 DRAWN BY: HRL CKD BY: CDB DATE: 03/31/23
 CERTIFIED BY: *Gregory Kern* LIC. NO. 26829 DATE: 04/04/23
 STATE PROJ. NO. 8825-1025 (T.H. 999) SHEET NO. 94 OF 121 SHEETS

DISTRICT *: Metro
 IPLOT NAME: LAYOUT
 PATH & FILENAME: Projects\DM_ROS\05\0000\Traffic\Signal\6.84_ROSELAWN_AVE_W-3779746\T.20737.spldgn
 PLOTTED/REVISED: 15-DEC-2021

SIGNAL HEAD CHART						
FACE	R	Y	FYA	G	Y	G
1-1, 1-2	←	←	←	←		
2-1, 2-2, 2-3	●	●		●		
4-1	●	●		●		
4-2, 4-3	●	●	←	●	←	←
5-1, 5-2	←	←	←	←		
6-1, 6-2, 6-3	●	●		●		
8-1	●	●		●		
8-2, 8-3	●	●	←	●	←	←

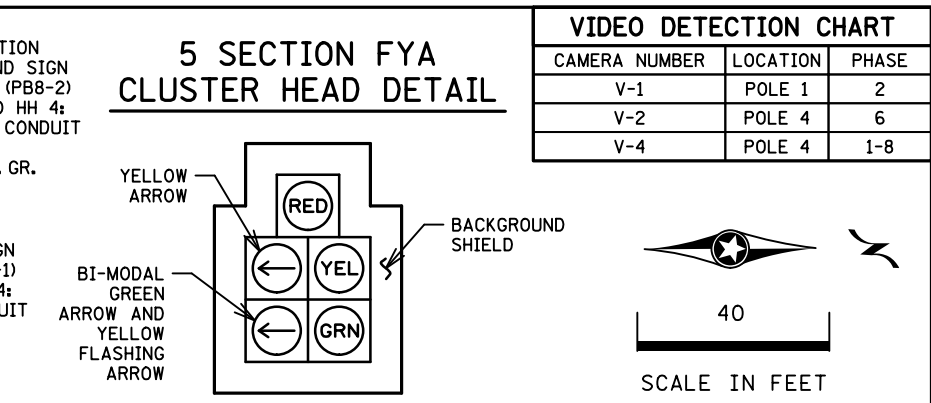


HH 4 TO HH 3:
 3" CONDUIT
 2-12/C 14
 1-6/C 14
 2-4/C 14
 * 1-3/C 14
 1-3/C 14 LUM
 2-2/C 14
 * 1-3/C 20
 1-1/C 6 INS. GR.

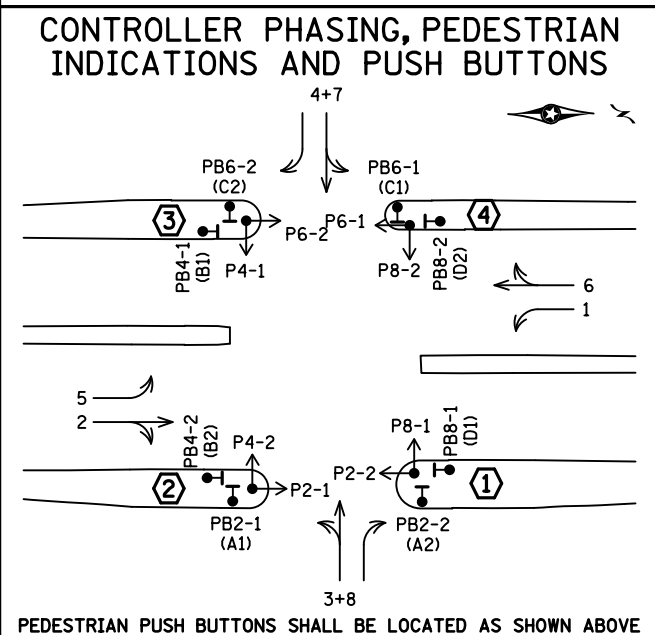
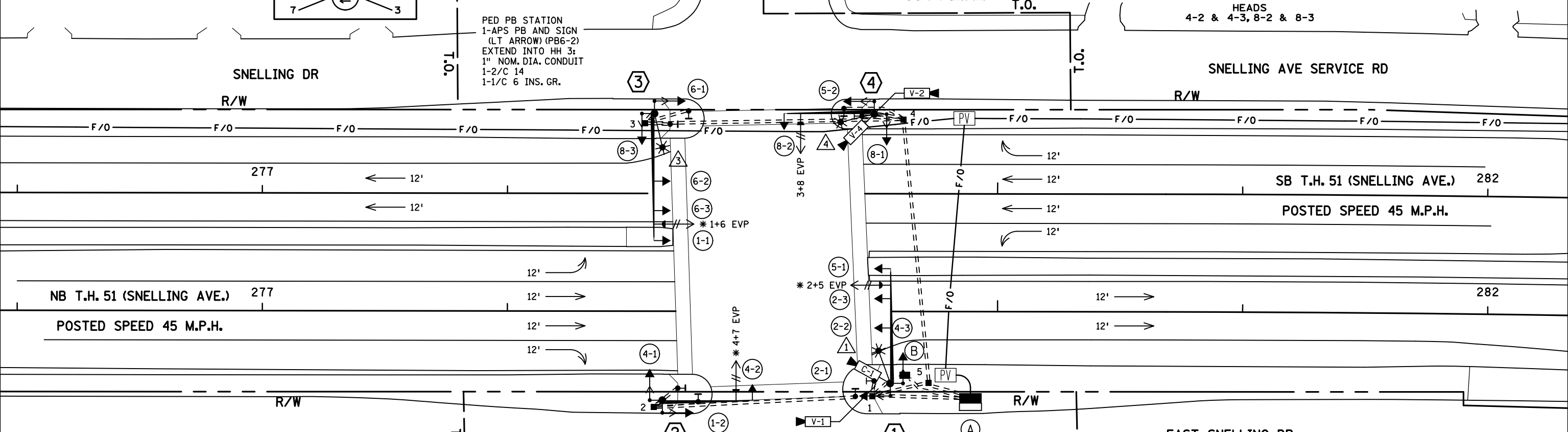
PED PB STATION
 1-APS PB AND SIGN
 (LT ARROW) (PB4-1)
 EXTEND INTO HH 3:
 1" NOM. DIA. CONDUIT
 1-2/C 14
 1-1/C 6 INS. GR.

HH 5 TO HH 4:
 3" CONDUIT
 2-12/C 14
 2-4/C 14
 * 1-3/C 14
 1-3/C 14 LUM
 1-2/C 14
 * 1-3/C 20
 2-CAT 5E VIDEO DET

PED PB STATION
 1-APS PB AND SIGN
 (LT ARROW) (PB8-2)
 EXTEND INTO HH 4:
 1" NOM. DIA. CONDUIT
 1-2/C 14
 1-1/C 6 INS. GR.



VIDEO DETECTION CHART		
CAMERA NUMBER	LOCATION	PHASE
V-1	POLE 1	2
V-2	POLE 4	6
V-4	POLE 4	1-8



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

PED PB STATION
 1-APS PB AND SIGN
 (LT ARROW) (PB2-1)
 EXTEND INTO HH 2:
 1" NOM. DIA. CONDUIT
 1-2/C 14
 1-1/C 6 INS. GR.

HH 1 TO HH 2:
 3" CONDUIT
 2-12/C 14
 2-4/C 14
 * 1-3/C 14
 2-2/C 14
 * 1-3/C 20
 1-1/C 6 INS. GR.

PED PB STATION
 1-APS PB AND SIGN
 (RT ARROW) (PB2-2)
 EXTEND INTO HH 1:
 1" NOM. DIA. CONDUIT
 1-2/C 14
 1-1/C 6 INS. GR.

PED PB STATION
 1-APS PB AND SIGN
 (LT ARROW) (PB8-1)
 EXTEND INTO HH 1:
 1" NOM. DIA. CONDUIT
 1-2/C 14
 1-1/C 6 INS. GR.

SEE SHEET 33 FOR NOTES

BY	DATE	REVISIONS	SYSTEM ID: 3779746	T.E. 16723	S.A.P. NO. 124-010-002, 160-010-007	DRAWN BY: GDS	CKD BY: BPV	DATE: 09-30-19
SJK	12/15/21	AS-BUILT PLAN	METER ADDRESS: 1930 SNELLING AVE N		CERTIFIED BY: <i>[Signature]</i>	LIC. NO. 40444		DATE: 10-01-19
			OLD SYSTEM ID: 20737		STATE PROJ. NO. 6216-138 (T.H.51)			SHEET NO. 32 OF 52 SHEETS

DISTRICT *: Metro
 PLOT NAME: POLE NOTES
 PATH & FILENAME: Projects\DM_R0505\0000\Traffic\Signals\6.84_ROSELAWN AVE W-3779746\T20737_sgl.dgn

PLOTTED/REVISED: 15-DEC-2021

- ③ PA100 POLE FOUNDATION
 TYPE PA100-A-50-D40-9 (DAVIT AT 350 DEG)
 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 2-STRAIGHT MOUNT SIGNALS OVERHEAD AT 11' AND 23'
 1-ANGLE MOUNT SIGNAL WITH CLUSTER ADAPTER AT 90 DEG
 1-ANGLE MOUNT SIGNAL AT 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-LED (FOR 40' MOUNTING HEIGHT)
 1-R10-X12 SIGN ADJACENT TO HEAD (1-1)

S & I: 1-TYPE D SIGN (D-203) (ROSELAWN AVE) (SEE SIGN DETAILS)

- 3" CONDUIT TO HH 3:
 2-12/C 14
 1-6/C 14
 2-4/C 14
 * 1-3/C 14
 1-3/C 14 (LUM)
 * 1-3/C 20
 1-1/C 6 INS. GR.

- ② PA90 POLE FOUNDATION
 TYPE PA90-A-35
 1-ANGLE MOUNT SIGNAL WITH CLUSTER ADAPTER OVERHEAD AT 0'
 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 4+7)
 1-R10-X12 SIGN ADJACENT TO HEAD (4-2)

S & I: 2-TYPE D SIGNS (D-201) (MN51), (D-202) (SNELLING AVE) (SEE SIGN DETAILS)

- 3" CONDUIT TO HH 2:
 2-12/C 14
 2-4/C 14
 * 1-3/C 14
 * 1-3/C 20
 1-1/C 6 INS. GR.

- ④ PA90 POLE FOUNDATION
 TYPE PA90-A-35-D40-9 (DAVIT AT 315 DEG)
 1-VIDEO DETECTION CAMERA (V-4) WITH MOUNT MOUNTED ON LUMINAIRE EXTENSION (STATE FURNISHED)
 1-VIDEO DETECTION CAMERA (V-2) WITH MOUNT (STATE FURNISHED)
 MOUNTED AT 180 DEG ON LUMINAIRE EXTENSION AT 30'
 1-ANGLE MOUNT SIGNAL WITH CLUSTER ADAPTER OVERHEAD AT 0'
 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-LED (FOR 40' MOUNTING HEIGHT)
 1-R10-X12 SIGN ADJACENT TO HEAD (8-2)

S & I: 2-TYPE D SIGNS (D-201) (MN51), (D-202) (SNELLING AVE) (SEE SIGN DETAILS)

- 3" CONDUIT TO HH 4:
 2-12/C 14
 2-4/C 14
 * 1-3/C 14
 1-3/C 14 (LUM)
 * 1-3/C 20
 2-CAT 5E VIDEO DET
 1-1/C 6 INS. GR.
 1-7/16" GROUNDING BRAID TO GROUND ROD IN HH 4

- ① PA100 POLE FOUNDATION
 TYPE PA100-A-45
 1-7/16" GROUNDING BRAID
 1-VIDEO DETECTION CAMERA (V-1) AND MOUNT (STATE FURNISHED)
 MOUNTED ON LUMINAIRE EXTENSION
 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 2-STRAIGHT MOUNT SIGNALS OVERHEAD AT 11' AND 23'
 1-ANGLE MOUNT SIGNAL WITH CLUSTER ADAPTER AT 90 DEG
 1-ANGLE MOUNT SIGNAL AT 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-LED (FOR 40' MOUNTING HEIGHT)
 1-R10-X12 SIGN ADJACENT TO HEAD (5-1)

S & I: 1-TYPE D SIGN (D-203) (ROSELAWN AVE) (SEE SIGN DETAILS)

- 3" CONDUIT TO HH 1:
 2-12/C 14
 1-6/C 14
 2-4/C 14
 * 1-3/C 14
 1-3/C 14 (LUM)
 * 1-3/C 20
 1-CAT 5E VIDEO DET
 1-1/C 6 INS. GR.
 1-7/16" GROUNDING BRAID TO GROUND ROD IN HH 1
 1-CAT 5E TRA MGMT CAM

- Ⓐ EQUIPMENT PAD (SEE DETAIL SHEET)
 SERVICE CABINET (SSB) NO BATTERY BACKUP SYSTEM OR BATTERIES
 CONTROLLER AND CABINET (STATE FURNISHED)
 3" CONDUIT TO HH 1:
 2-12/C 14
 1-6/C 14
 2-4/C 14
 * 1-3/C 14
 2-2/C 14
 * 1-3/C 20
 1-CAT 5E VIDEO DET
 1-CAT 5E TRA MGMT CAM
 3" CONDUIT TO HH 1:
 2-12/C 14
 2-4/C 14
 * 1-3/C 14
 2-2/C 14
 * 1-3/C 20
 1-1/C 6 INS. GR.

GROUND WIRE AND GROUND ROD - MIN 8' OUT FROM PAD
 2-2" AND 1-3" CONDUIT STUBBED OUT (CAPPED BOTH ENDS)
 1-1/2" CONDUIT TO INPLACE TMS PULL VAULT:


S & I: 1-FIBER OPTIC CABLE PIGTAIL (6-SM FIELD TERMINATED) (SEE NOTE 12)

- CONTROLLER CABINET TO SERVICE CABINET:
 2" CONDUIT
 3-1/C 6
 SERVICE CABINET TO SOP:
 2" CONDUIT
 3-1/C 2
 SERVICE CABINET TO EXTERNAL GR. RD.:
 1" CONDUIT
 1-1/C 6 INS. GR.
 (SEE EQUIPMENT PAD LAYOUT)
 SERVICE CABINET TO HH 5:
 2" CONDUIT
 3-3/C 14 (LUM)
 HH 5 TO HH 1:
 2" CONDUIT
 1-3/C 14 (LUM)

Ⓑ SOP-INPLACE SERVICE CABINET (XCEL ENERGY)
 2" CONDUIT TO SERVICE CABINET:
 3-1/C 2

NOTES:

- SEE SPECIAL PROVISIONS FOR STATE FURNISHED MATERIALS.
- REFER TO "FOR INFORMATION ONLY" SHEETS FOR INPLACE SIGNAL COMPONENTS.
- ENSURE THE EXACT LOCATION OF HANDHOLES, POLES, PEDESTRIAN PUSH BUTTON STATIONS AND CURB RAMPS, AND EQUIPMENT PAD ARE VERIFIED IN THE FIELD BY MNDOT TRAFFIC OFFICE PERSONNEL.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE CONNECTION OF THE POWER FOR THE TRAFFIC SIGNAL SYSTEM.
- FOR REQUIRED SIGNS AND PAVEMENT MARKINGS SEE DETAIL SHEETS. ALL SIGNS REQUIRED ARE INCLUDED IN PAYMENT WITH THE SIGNAL SYSTEM PAY ITEM.
- SEE ADA DETAIL SHEET FOR CONSTRUCTION OF PEDESTRIAN CURB RAMPS, CONCRETE WALK AND MEDIAN WORK.
- PUSH BUTTON STATIONS ARE SHOWN IN THEIR GENERAL LOCATIONS. FOR EXACT LOCATIONS INCLUDING COORDINATES, SEE SHEET 28.
- THIS PLAN SPECIFIES CONDUIT SIZES, TYPES, AND GENERAL LOCATIONS. THE EXACT LOCATIONS WILL BE DETERMINED IN THE FIELD. CONDUITS UNDER THE ROADWAYS REQUIRE BORING.
- USE PVC OR HDPE FOR ALL NEW CONDUIT.
- CONDUIT SIZES ARE NOMINAL DIAMETER.
- REMOVAL OF THE INPLACE SIGNAL SYSTEM IS INCLUDED IN PAYMENT FOR THE TRAFFIC CONTROL SIGNAL SYSTEM PAY ITEM.
- PULLBACK EXISTING FIBER OPTIC CABLE (6-SM) FROM EXISTING CONTROL CABINET TO EXISTING FIBER OPTIC VAULT. F & I NEW CONDUIT TO NEW CONTROL CABINET. REINSTALL CABLE TO NEW CONTROL CABINET. CUT OFF THE GATOR CONNECTION AND RE-TERMINATE IN A PATCH PANEL.
- SALVAGE EXISTING TYPE D SIGNS FROM EXISTING MAST ARMS AND INSTALL ON NEW MAST ARMS.
- SALVAGE EXISTING X6-350/CAM 400 EXTENSION WITH LIGHTNING ROD AND TRAFFIC MANAGEMENT CAMERA WITH MOUNT FROM EXISTING POLE AND INSTALL ON NEW POLE.
- ITEMS DENOTED WITH AN * ARE INCLUDED IN PAYMENT FOR THE EVP SYSTEM PAY ITEM.
- INCLUDED IN TRAFFIC CONTROL SIGNAL SYSTEM PAY ITEM.

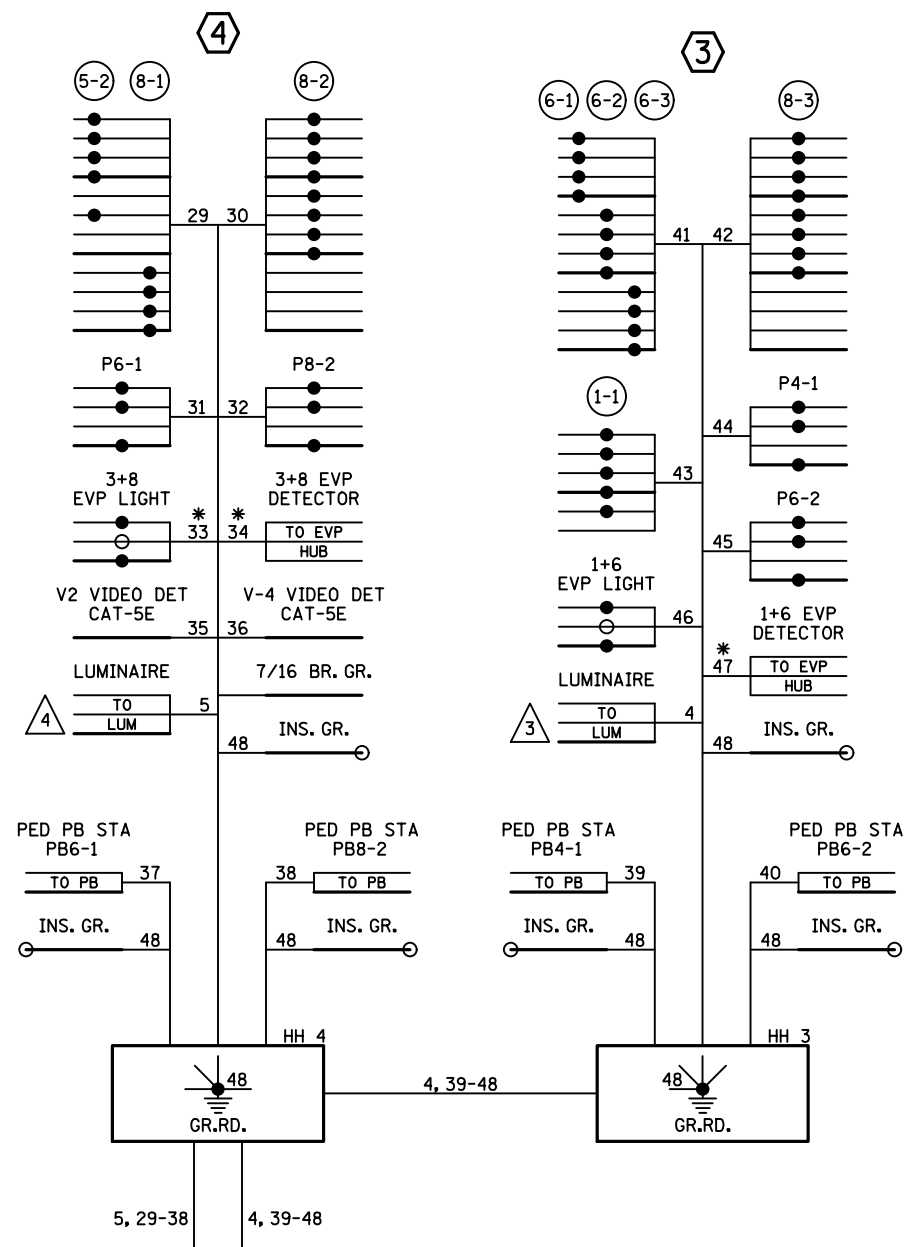
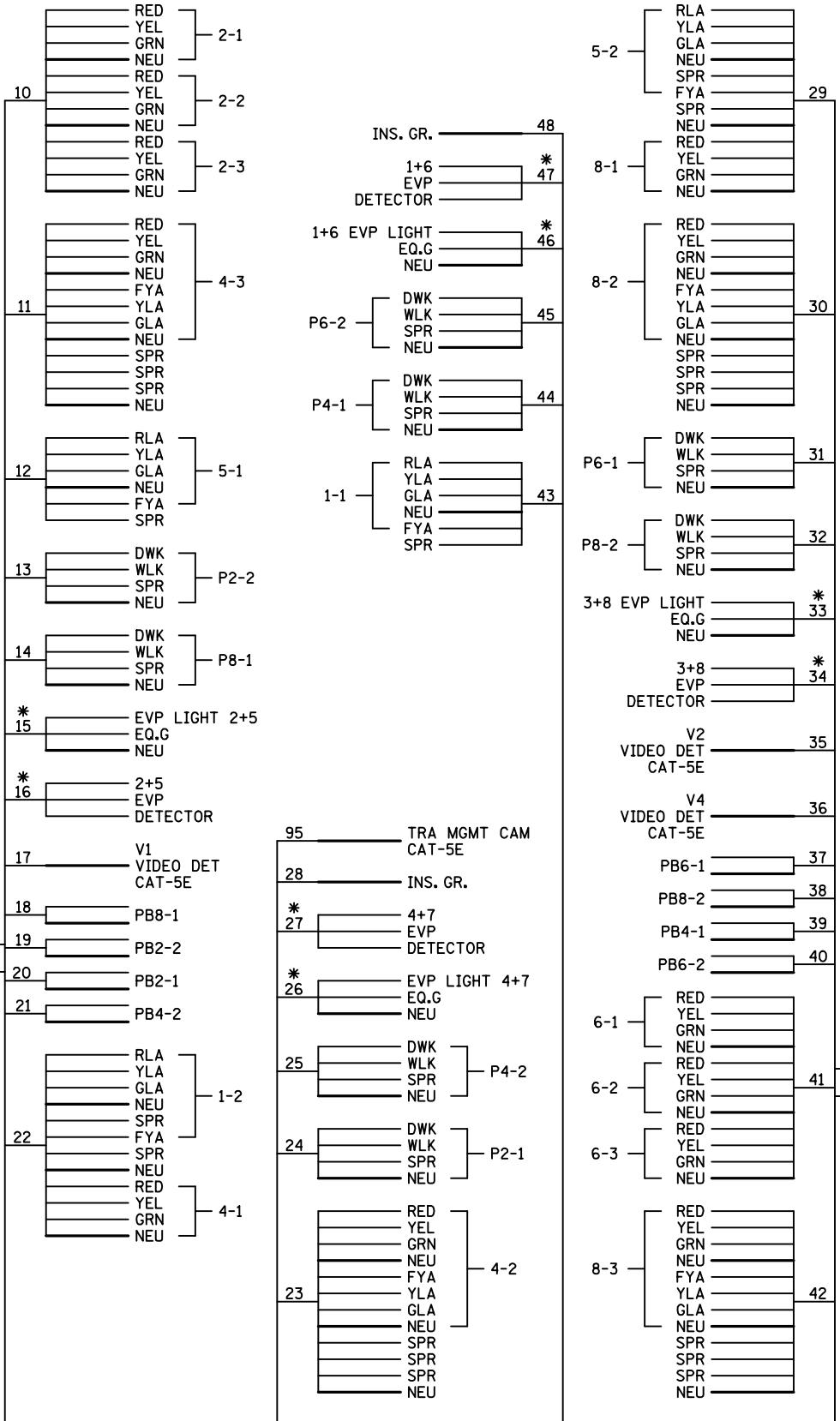
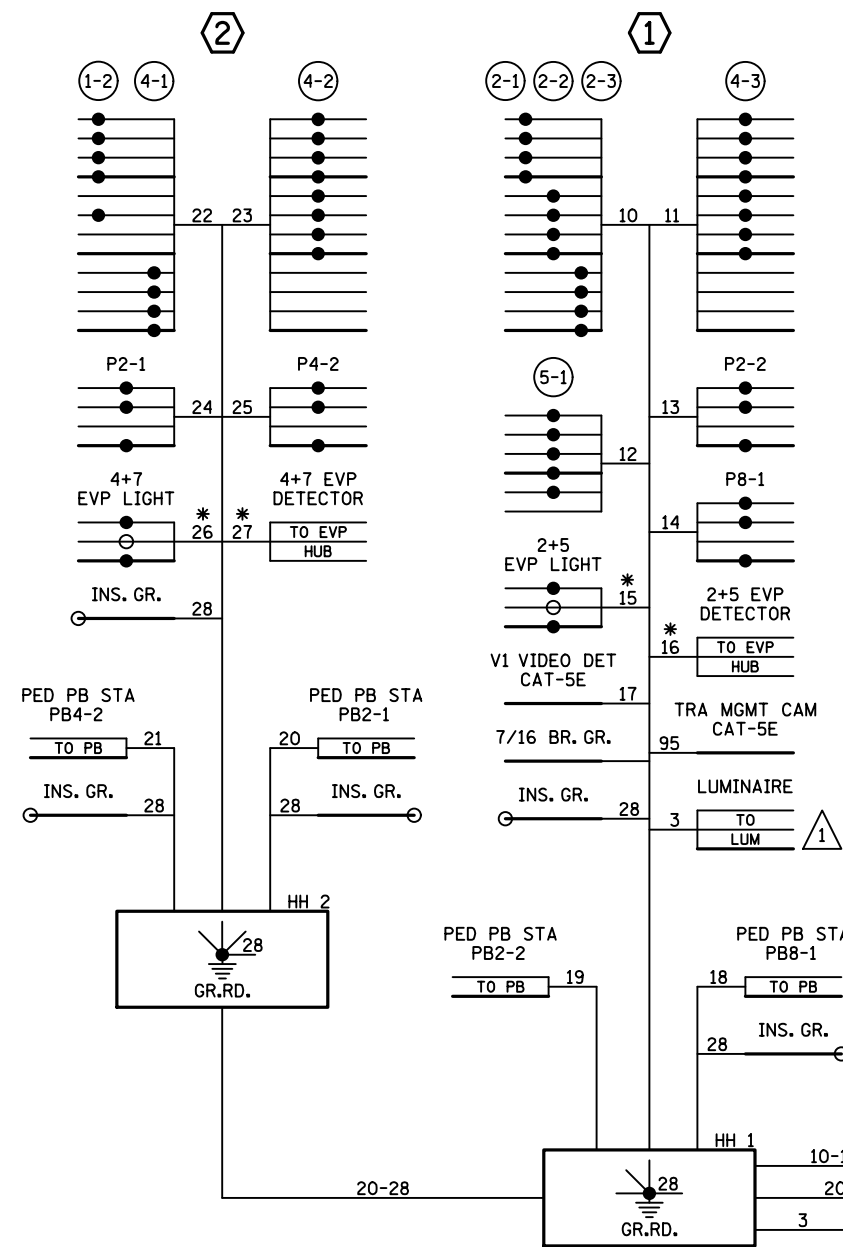
BY	DATE	REVISIONS	SYSTEM ID: 3779746	T.E. 16723	S.A.P. NO. 124-010-002, 160-010-007	DRAWN BY: GDS	CKD BY: BPV	DATE: 09-30-19
SJK	12/15/21	AS-BUILT PLAN	METER ADDRESS: 1930 SNELLING AVE N		CERTIFIED BY: 	LIC. NO. 40444		DATE: 10-01-19
			OLD SYSTEM ID: 20737		STATE PROJ. NO. 6216-138 (T.H.51)		SHEET NO. 33 OF 52 SHEETS	

INTERSECTION NOTES
TRAFFIC CONTROL SIGNAL SYSTEM A
T.H. 51 (SNELLING AVE.) AT ROSELAWN AVE. IN
FALCON HEIGHTS AND ROSEVILLE, RAMSEY CO.

PLOTTED/REVISED: 15-DEC-2021

DISTRICT *: Metro
I/PLOT NAME: WIRING DIAGRAM
PATH & FILENAME: Projects\DM_Ros05\050000\Traffic\Signal\6.84_Roselawn Ave W-3779746\T20737_sgl.dgn

CONTROLLER CABINET



NOTES:
 1. SIGNAL SYSTEM WITH NO BATTERY BACKUP SYSTEM OR BATTERIES.
 2. FOR CONDUCTOR COLOR CODE SEE TRAFFIC SIGNAL POLE WIRING CONNECTOR DETAIL.
 3. ITEMS DENOTED WITH AN * ARE INCLUDED IN PAYMENT FOR THE EVP SYSTEM PAY ITEM.

TO TMS VAULT 1-FO CABLE (6-SM) ←
 FIBER OPTIC CABLE

BY	DATE	REVISIONS
SJK	12/15/21	AS-BUILT PLAN

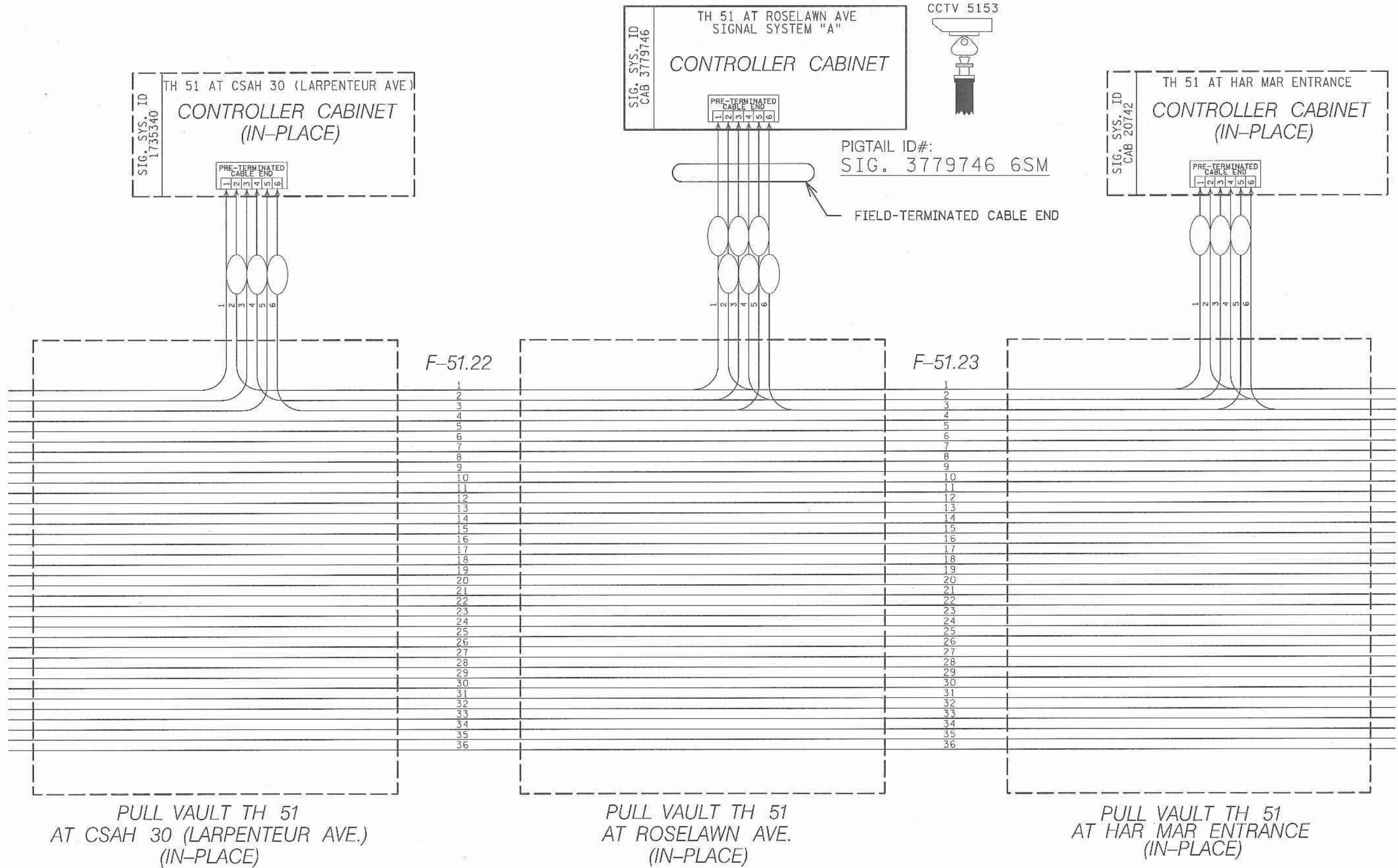
SYSTEM ID: 3779746 T.E. 16723
 METER ADDRESS: 1930 SNELLING AVE N
 OLD SYSTEM ID: 20737

FIELD WIRING DIAGRAM
TRAFFIC CONTROL SIGNAL SYSTEM A
T.H. 51 (SNELLING AVE.) AT ROSELAWN AVE. IN
FALCON HEIGHTS AND ROSEVILLE, RAMSEY CO.

S.A.P. NO. 124-010-002, 160-010-007	DRAWN BY: GDS	CKD BY: BPV	DATE: 09-30-19
CERTIFIED BY: <i>[Signature]</i>	LIC. NO. 40444	DATE: 10-01-19	
STATE PROJ. NO. 6216-138 (T.H.51)	SHEET NO. 34 OF 52 SHEETS		

PLOTTED/REVISED: 14-OCT-2019

DISTRICT: Metro
IPLOT NAME: 23 To schematic 1
PATH & FILENAME: Projects\DM_ROS\0516216\38\Traffic\Signals\SP_6216-138\SP_6216-138_Details.dgn



BY	DATE	REVISIONS

**FIBER OPTIC SCHEMATIC
(1 OF 2)**

S.A.P. NO. 124-010-002, 160-010-007, 160-010-008 | DRAWN BY: J3T | CKD BY: BPV | DATE: 09-30-19

CERTIFIED BY: *[Signature]* | L.I.C. NO. 40444 | DATE: 10-01-19
LICENSED PROFESSIONAL ENGINEER

STATE PROJ. NO. 6216-138 (T.H. 51) | SHEET NO. 23 OF 52 SHEETS