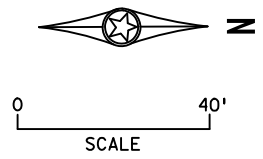
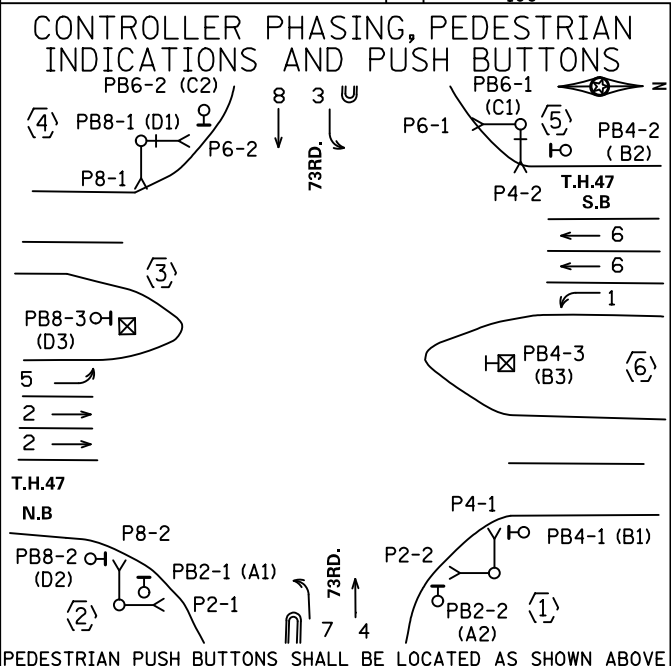
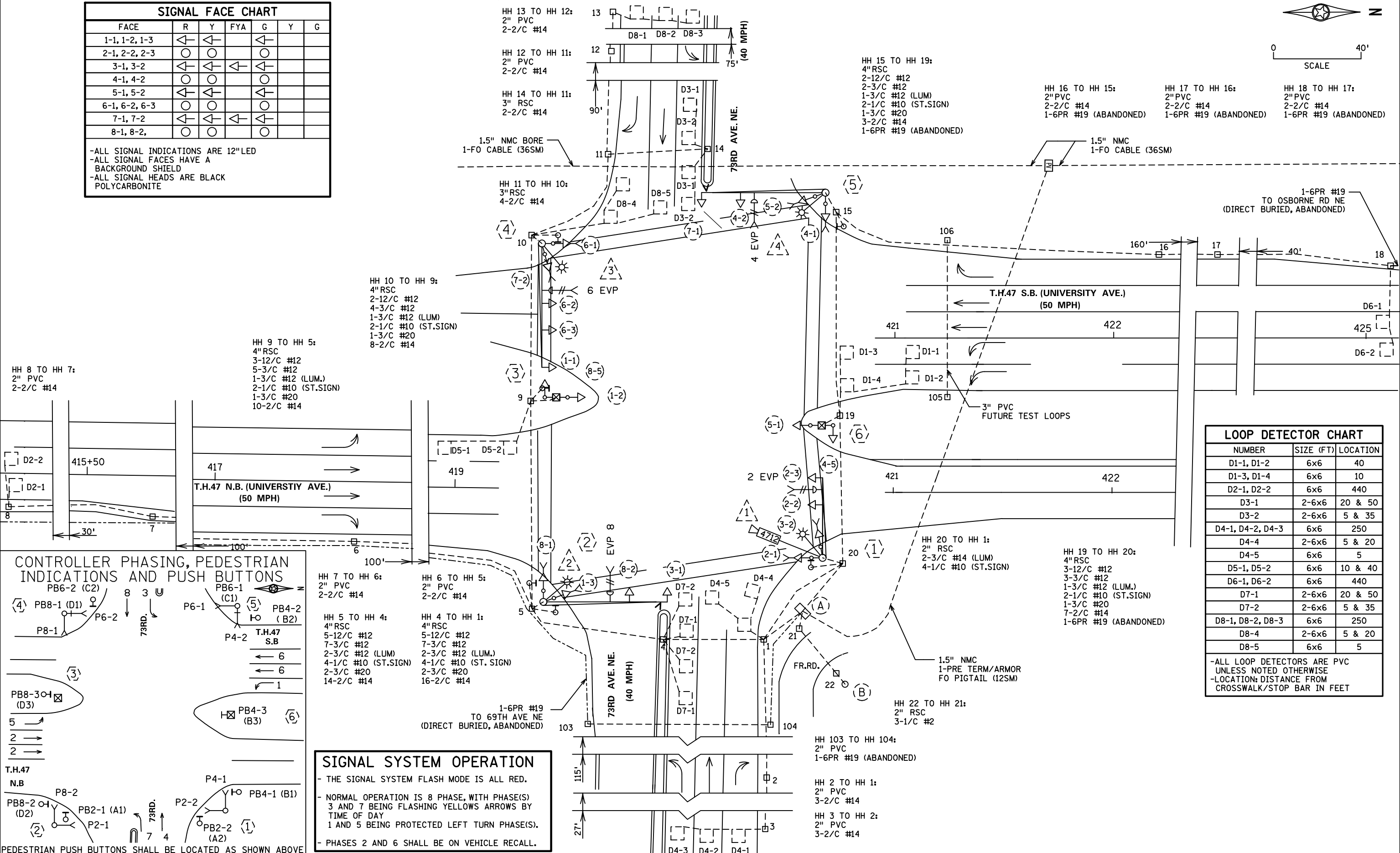


SIGNAL FACE CHART						
FACE	R	Y	FYA	G	Y	G
1-1, 1-2, 1-3	←	←		←		
2-1, 2-2, 2-3	○	○		○		
3-1, 3-2	←	←	←	←		
4-1, 4-2	○	○		○		
5-1, 5-2	←	←		←		
6-1, 6-2, 6-3	○	○		○		
7-1, 7-2	←	←	←	←		
8-1, 8-2,	○	○		○		

-ALL SIGNAL INDICATIONS ARE 12" LED
 -ALL SIGNAL FACES HAVE A BACKGROUND SHIELD
 -ALL SIGNAL HEADS ARE BLACK POLYCARBONITE



DISTRICT #: Metro
 IPLOT NAME: T20660.sgl
 PATH & FILENAME: Projects\DM-R05047\00007\Traffic\Signals\9.89 - IT35321 - MIN47-73RD AVE NE.pnding\T20660.sgl.dgn PLOTTED/REVISED: 24-JAN-2022



SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 8 PHASE, WITH PHASE(S) 3 AND 7 BEING FLASHING YELLOWS ARROWS BY TIME OF DAY
- 1 AND 5 BEING PROTECTED LEFT TURN PHASE(S).
- PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.

LOOP DETECTOR CHART		
NUMBER	SIZE (FT)	LOCATION
D1-1, D1-2	6x6	40
D1-3, D1-4	6x6	10
D2-1, D2-2	6x6	440
D3-1	2-6x6	20 & 50
D3-2	2-6x6	5 & 35
D4-1, D4-2, D4-3	6x6	250
D4-4	2-6x6	5 & 20
D4-5	6x6	5
D5-1, D5-2	6x6	10 & 40
D6-1, D6-2	6x6	440
D7-1	2-6x6	20 & 50
D7-2	2-6x6	5 & 35
D8-1, D8-2, D8-3	6x6	250
D8-4	2-6x6	5 & 20
D8-5	6x6	5

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

BY	DATE	REVISIONS
HRL	01-24-22	CONSTRUCTION REDLINES FOR SP 2726-84

SYSTEM ID: 1735321 T.E. 19516
 METER ADDRESS: 7301 UNIVERSITY AVE NE
 OLD SYSTEM ID: 20680

INTERSECTION LAYOUT
TRAFFIC CONTROL SIGNAL SYSTEM
T.H.47 (UNIVERSITY AVE) AT 73RD AVE NE
IN FRIDLEY, ANOKA COUNTY

S.A.P. NO.	DRAWN BY: SJK	CKD BY: CDB	DATE: 9/10/19
CERTIFIED BY: <i>Michael P. Sulinsky</i>	LIC. NO. 19863	DATE: 10/10/19	
STATE PROJ. NO. 2726-84 (T.H.47)		SHEET NO. SS2 OF SS41 SHEETS	

DISTRICT *: Metro
 PLOT NAME: T20680.sgl
 PATH & FILENAME: Projects\DM_R05\047\0000\Traffic\Signals\9.89 - IT 35321 - MIN47-73RD AVE NE\pending\T20680.sgl.dgn PLOTTED/REVISED: 24-JAN-2022

(4)
 A100 POLE FOUNDATION
 TYPE A100-A-55-D40-9 (DAVIT AT 350)
 3-ONE WAY SIGNALS OVERHEAD @ 0', 16' & 28'
 1-ONE WAY SIGNAL POLE MOUNTED AT 0 DEG (7-2)
 TYPE 10B AT 0
 TYPE 10B AT 270
 2-C.D. PED INDICATIONS
 ONE WAY EVP DETECTOR AND LIGHT
 1-APS PB AND SIGN (LT ARROW) (PB8-1)
 LUMINAIRE-LED (40' MOUNTING HEIGHT)
 EXTEND INTO HH 10:
 3" RSC
 2-12/C #12
 4-3/C #12
 1-3/C #12 (LUM.)
 2-1/C #10 (ST.SIGN)
 1-3/C #20

(3)
 PEDESTAL POLE AND BASE
 PEDESTAL FOUNDATION
 TYPE 2A
 EXTEND INTO HH 9:
 3" RSC
 1-12/C #12
 1-3/C #12
 1-2/C #14

(2)
 A100 POLE FOUNDATION
 TYPE A100-A-50-D40-9 (DAVIT AT 350)
 2-ONE WAY SIGNALS OVERHEAD @ 0' & 12'
 1-ONE WAY SIGNAL MOUNTED ON A 5' EXTENSION AT 0' (3-1)
 1-R10-X12 SIGN ADJACENT TO SIGNAL HEAD (3-1)
 TYPE 10B A 0
 TYPE 10B AT 270
 2-C.D. PED INDICATIONS
 ONE WAY EVP DETECTOR AND LIGHT
 LUMINAIRE-LED (40' MOUNTING HEIGHT)
 R10-12 SIGN (36" X 48") ADJ. TO 8-3
 EXTEND INTO HH 5:
 3" RSC
 2-12/C #12
 4-3/C #12
 1-3/C #12 (LUM.)
 1-3/C #20
 2-1/C #10 (ST.SIGN)

(5)
 A100 POLE FOUNDATION
 TYPE A100-A-50-D40-9 (DAVIT AT 350)
 2-ONE WAY SIGNALS OVERHEAD @ 0' & 12'
 1-ONE WAY SIGNAL MOUNTED ON A 5' EXTENSION AT 0' (7-1)
 1-R10-X12 SIGN ADJACENT TO SIGNAL HEAD (7-1)
 TYPE 10B AT 0
 TYPE 10B AT 270
 2-C.D. PED INDICATION
 ONE WAY EVP DETECTOR AND LIGHT
 1-APS PB AND SIGN (LT ARROW) (PB 6-1)
 LUMINAIRE-LED (40' MOUNTING HEIGHT)
 R10-12 SIGN (36" X 48") ADJACENT TO 4-3
 EXTEND INTO HH 15:
 3" RSC
 2-12/C #12
 2-3/C #12
 1-3/C #12 (LUM.)
 2-1/C #10 (ST.SIGN)
 1-3/C #20

(6)
 PEDESTAL POLE AND BASE
 PEDESTAL FOUNDATION
 TYPE 2A
 1-APS PB AND SIGN (RT AND LT ARROW) (PB4-3)
 EXTEND INTO HH 19:
 3" RSC
 1-12/C #12
 1-3/C #12

(1)
 P100 POLE FOUNDATION
 TYPE P100-A-35-D40-9 (DAVIT AT 350)
 1-X6-350/CAM 400 EXTENSION (MOUNTED AT 350 DEG, INCLUDES LIGHTNING ROD)
 7/16" GROUND BRAID & GROUND ROD
 1-VIDEO CAMERA WITH MOUNT
 1-ONE WAY SIGNAL POLE MOUNTED AT 0 DEG (3-2)
 2-ONE WAY SIGNALS OVERHEAD @ 0' & 12'
 TYPE 10B AT 0
 TYPE 10B AT 270
 2-C.D. PED INDICATIONS
 ONE WAY EVP DETECTOR AND LIGHT
 LUMINAIRE-LED (40' MOUNTING HEIGHT)
 EXTEND INTO HH 20:
 3" RSC
 2-12/C #12
 3-3/C #12
 1-3/C #12 (LUM.)
 2-1/C #10 (ST.SIGN)
 1-3/C #20
 1-7/16" GROUND BRAID TO GROUND ROD
 1-CAT 5E (COM CABLE)

(A)
 EQUIPMENT PAD
 SERVICE EQUIPMENT (PAD MOUNTED)
 CONTROLLER AND CABINET

LOAD CENTER TO CABINET:
 2" RSC
 2-1/C #6
 1-1/C #6 BR.GR

METER TO HH 21:
 2" RSC
 3-1/C #2

LOAD CENTER TO HH 20:
 2" RSC
 4-3/C #12 (LUM)
 8-1/C #10 (ST.LT.SIGN)

CABINET TO HH 1:
 2-4" RSC
 5-12/C #12
 7-3/C #12
 2-3/C #20
 21-2/C #14

CABINET TO HH 20:
 4" RSC
 5-12/C #12
 5-3/C #12
 2-3/C #20
 9-2/C #14
 1-CAT 5E (COM CABLE)
 1-6PR #19 (ABANDONED)

STUB OUT
 3" RSC (THREAD AND CAP BOTH ENDS)
 2-2" RSC WITH 6PR#19

CONTROLLER CABINET TO PULL VAULT:
 1-1.5" NMC (IN SPARE 3")
 1-PRE-TERMINATED ARMORED FO PIGTAIL (12SM)

(B)
 S.O.P.
 WOOD POLE
 2" RSC RISER AND WEATHERHEAD
 3-1/C #2

EXTEND INTO HH 22:
 2" RSC
 3-1/C #2

APS PED PB STA (PB4-1)
 1-APS PB AND SIGN (LT ARROW)
 EXTEND INTO HH 20:
 1 1/4" PVC
 1-2/C #14

APS PED PB STA (PB4-2)
 1-APS PB AND SIGN (RT ARROW)
 EXTEND INTO HH 15:
 1 1/4" PVC
 1-2/C #14

APS PED PB STA (PB8-3)
 1-APS PB AND SIGN (DBL ARROW)
 EXTEND INTO HH 9:
 1 1/4" PVC
 1-2/C #14

APS PED PB STA (PB2-2)
 1-APS PB AND SIGN (RT ARROW)
 EXTEND INTO HH 20:
 1 1/4" PVC
 1-2/C #14

APS PED PB STA (PB6-2)
 1-APS PB AND SIGN (RT ARROW)
 EXTEND INTO HH 10:
 1 1/4" PVC
 1-2/C #14

APS PED PB STA (PB8-2)
 1-APS PB AND SIGN (RT ARROW)
 EXTEND INTO HH 5:
 1 1/4" PVC
 1-2/C #14

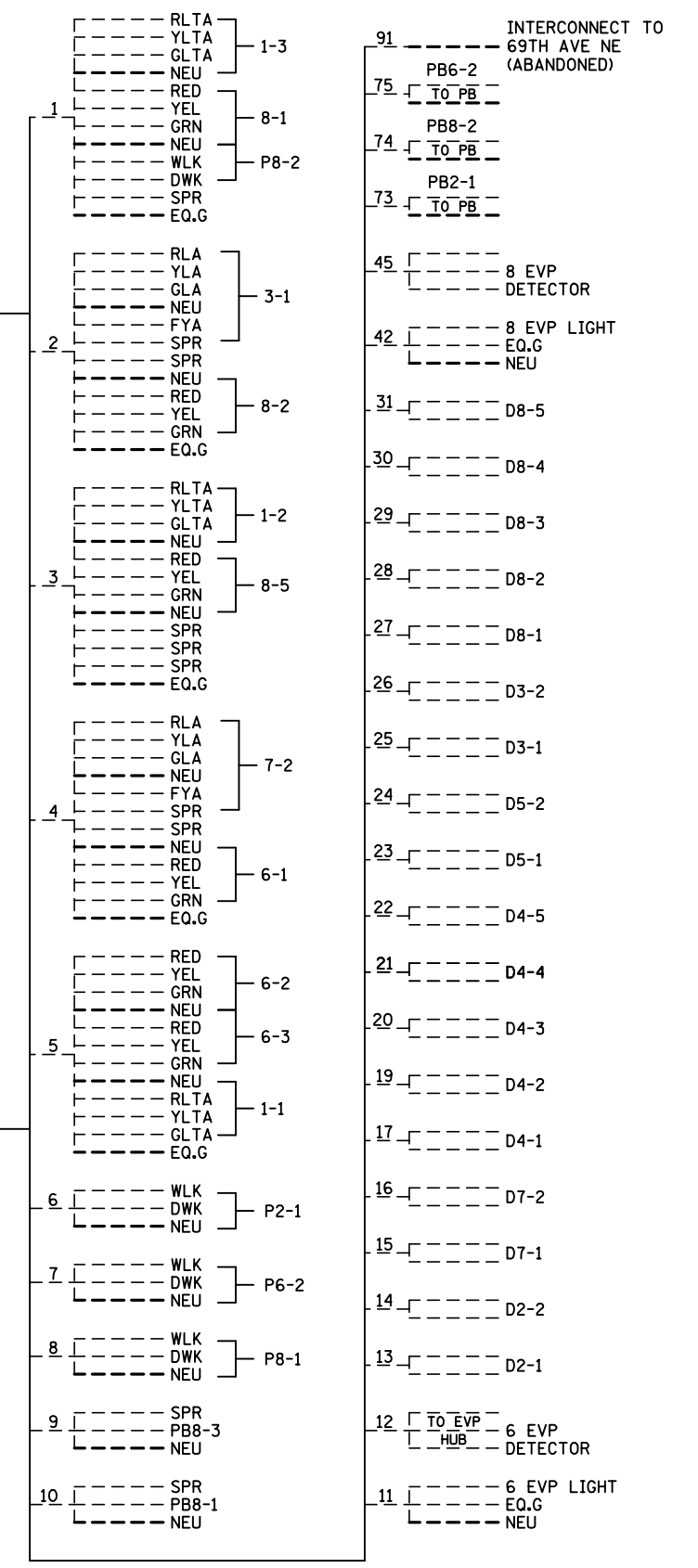
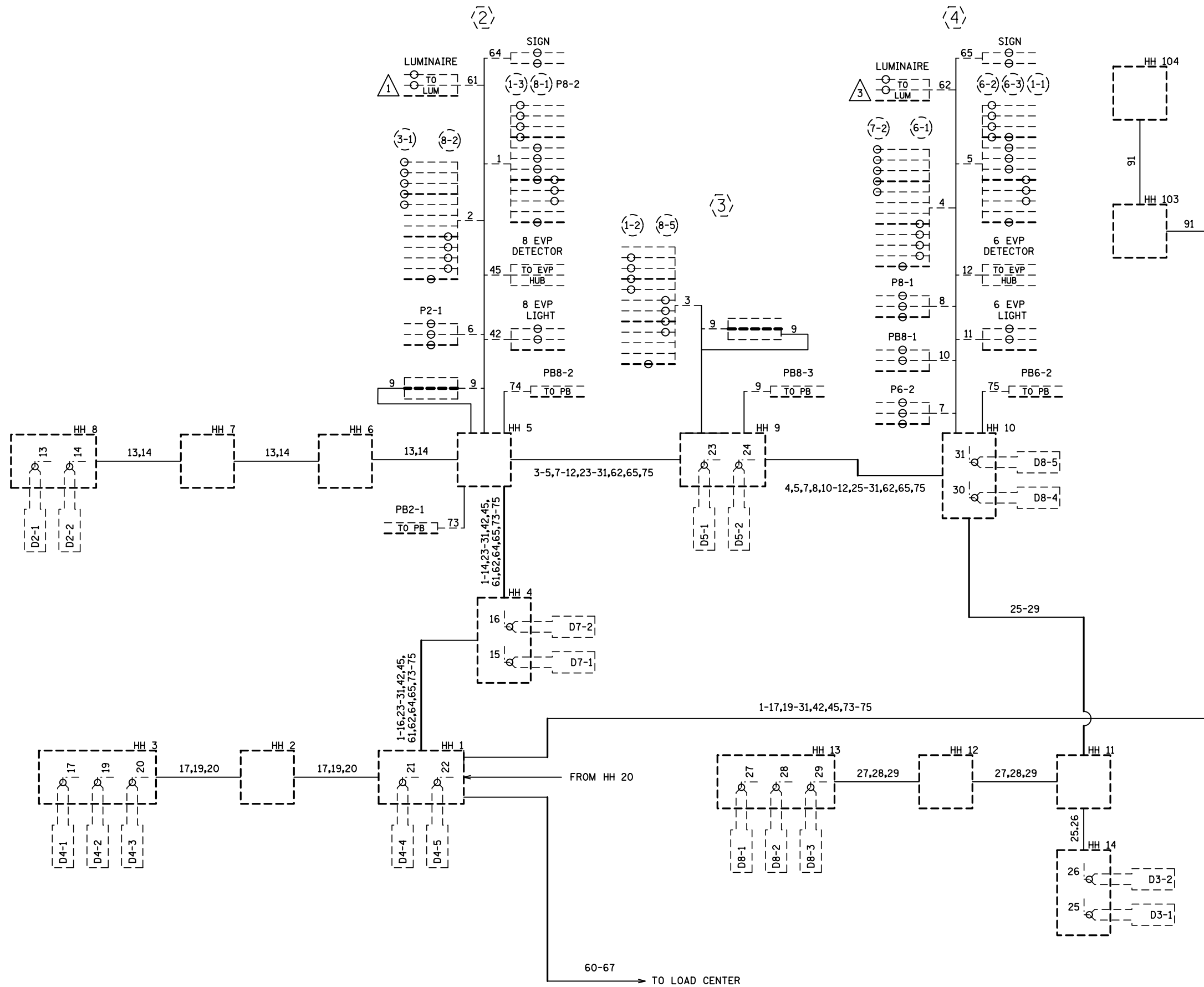
APS PED PB STA (PB8-3)
 1-APS PB AND SIGN (DBL ARROW)
 EXTEND INTO HH 9:
 1 1/4" PVC
 1-2/C #14

BY	DATE	REVISIONS	SYSTEM ID: 1735321	T.E. 19516	S.A.P. NO.	DRAWN BY: SJK	CKD BY: CDB	DATE: 9/10/19
HLR	01-24-22	CONSTRUCTION REDLINES FOR SP 2726-84	METER ADDRESS: 7301 UNIVERSITY AVE NE		CERTIFIED BY: <i>Michael P. Sulinsky</i>	LIC. NO. 19863	DATE: 10/10/19	
			OLD SYSTEM ID: 20680		STATE PROJ. NO. 2726-84 (T.H.47)			SHEET NO. SS3 OF SS41 SHEETS

POLE NOTES
TRAFFIC CONTROL SIGNAL SYSTEM
T.H.47 (UNIVERSITY AVE) AT 73RD AVE NE
IN FRIDLEY, ANOKA COUNTY

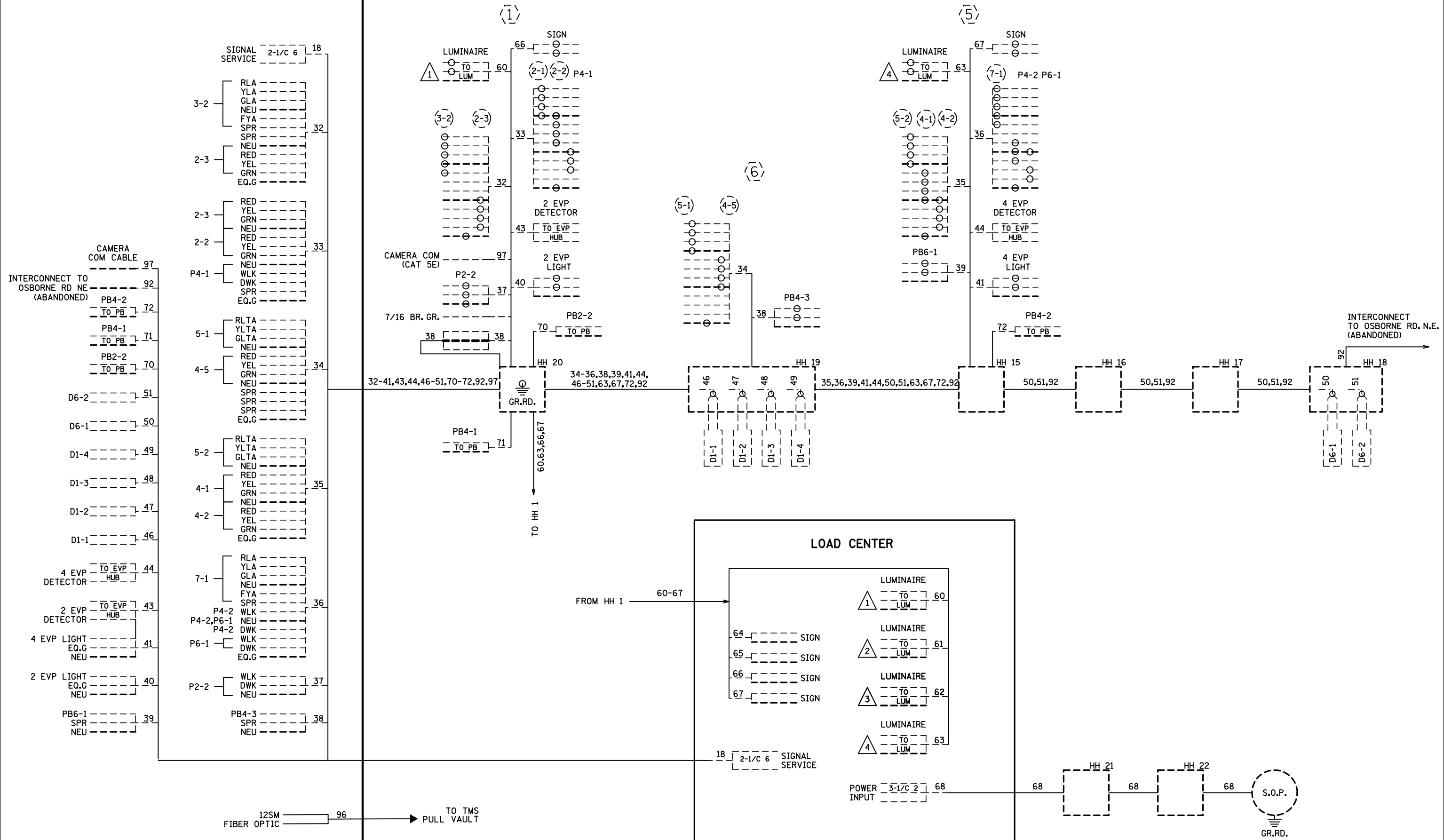
DISTRICT *: Metro
 PLOT NAME: T20680.sgl
 PATH & FILENAME: Projects\DM_ROS\047\0000\TrafficSignals\989 - IT 35321 - MIN47-73RD AVE NE\pending\T20680.sgl.dgn PLOTTED/REVISED: 24-JAN-2022

CONTROLLER CABINET



BY	DATE	REVISIONS	SYSTEM ID: 1735321	T.E. 19516	S.A.P. NO.	DRAWN BY: SJK	CKD BY: CDB	DATE: 9/10/19
HRL	01-24-22	CONSTRUCTION REDLINES FOR SP 2726-84	METER ADDRESS: 7301 UNIVERSITY AVE NE	OLD SYSTEM ID: 20680	CERTIFIED BY: <i>Michael P. Gubinsky</i>	LIC. NO. 19863	DATE: 10/10/19	
WIRING DIAGRAM 1 OF 2 TRAFFIC CONTROL SIGNAL SYSTEM T.H.47 (UNIVERSITY AVE) AT 73RD AVE NE IN FRIDLEY, ANOKA COUNTY					STATE PROJ. NO. 2726-84 (T.H.47) SHEET NO. SS4 OF SS41 SHEETS			

CONTROLLER CABINET



DISTRICT *: Metro
 PLOT NAME: T20680.sgl
 PATH & FILENAME: Projects\DM_ROS\047\00007\Traffic\Signals\9.89 - IT35321 - MIN47-73RD AVE NE\pending\T20680.sgl.dgn PLOTTED/REVISED: 24-JAN-2022

BY	DATE	REVISIONS	SYSTEM ID: 1735321	T.E. 19516	S.A.P. NO.	DRAWN BY: SJK	CKD BY: CDB	DATE: 9/10/19
HRL	1-24-22	CONSTRUCTION REDLINES FOR SP 2726-84	METER ADDRESS: 7301 UNIVERSITY AVE NE	OLD SYSTEM ID: 20680	CERTIFIED BY <i>Michael P. Selinsky</i> LICENSED PROFESSIONAL ENGINEER		LIC. NO. 19863	DATE: 10/10/19
WIRING DIAGRAM 2 OF 2 TRAFFIC CONTROL SIGNAL SYSTEM T.H.47 (UNIVERSITY AVE) AT 73RD AVE NE IN FRIDLEY, ANOKA COUNTY					STATE PROJ. NO. 2726-84 (T.H.47) SHEET NO. SS5 OF SS41 SHEETS			

PLOTTED/REVISED: 11-FEB-2019

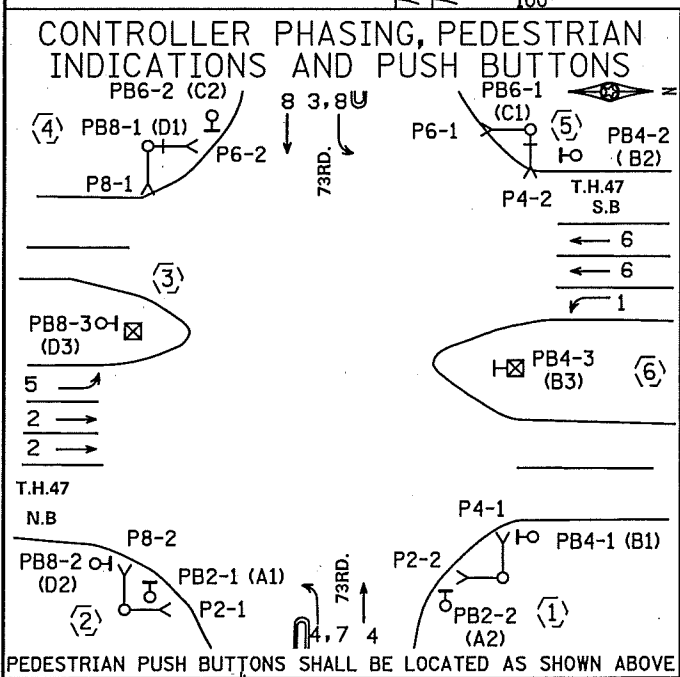
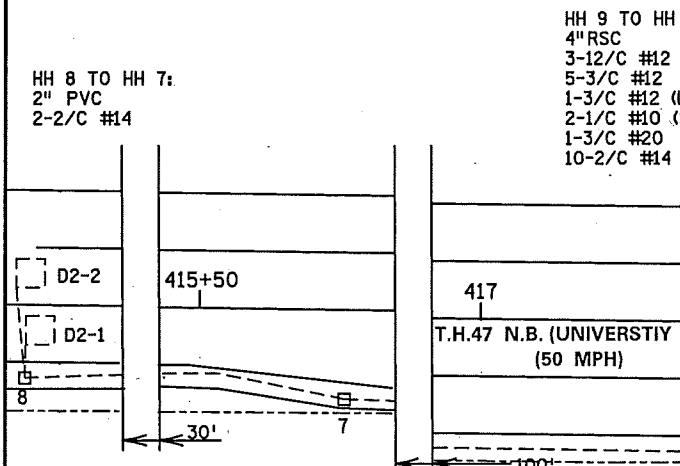
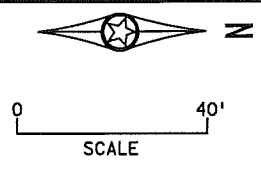
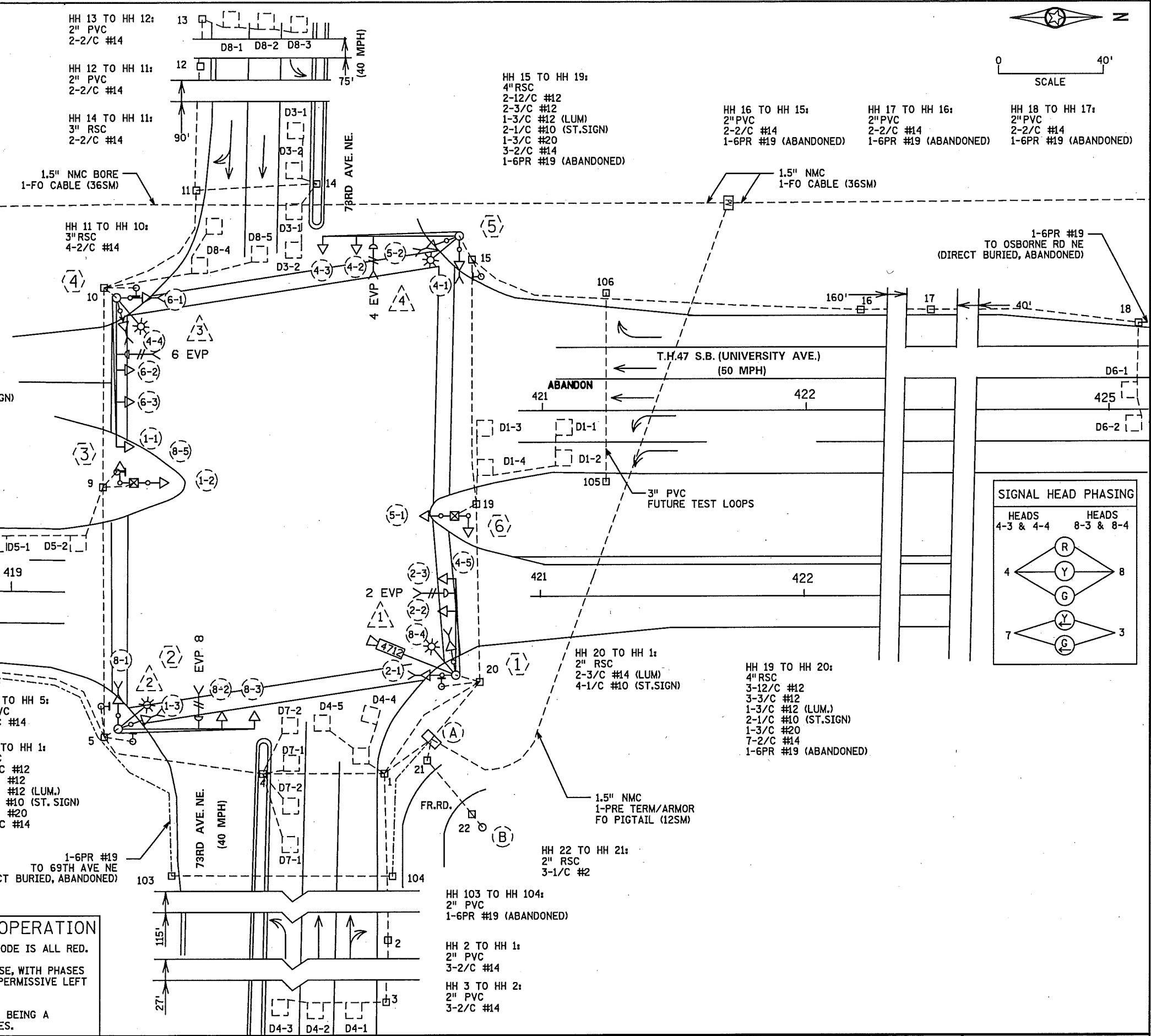
DISTRICT: Metro
IPLOT NAME: 20680B
PATH & FILENAME: Projects\DM_R05\049\0000\Traffic\Signals\20680_73RD_AVE\20680B.dgn

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

-ALL SIGNAL INDICATIONS ARE 12"
-ALL SIGNAL FACES HAVE A BACKGROUND SHIELD

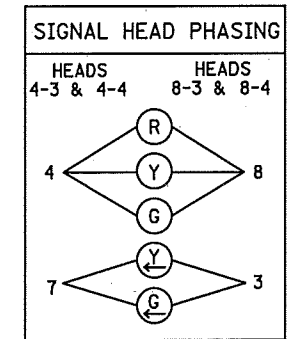
LOOP DETECTOR CHART		
NUMBER	SIZE (FT)	LOCATION
D1-1, D1-2	6x6	40
D1-3, D1-4	6x6	10
D2-1, D2-2	6x6	440
D3-1	2-6x6	20 & 50
D3-2	2-6x6	5 & 35
D4-1, D4-2, D4-3	6x6	250
D4-4	2-6x6	5 & 20
D4-5	6x6	5
D5-1, D5-2	6x6	10 & 40
D6-1, D6-2	6x6	440
D7-1	2-6x6	20 & 50
D7-2	2-6x6	5 & 35
D8-1, D8-2, D8-3	6x6	250
D8-4	2-6x6	5 & 20
D8-5	6x6	5

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



SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 8 PHASE, WITH PHASES 3 & 7 BEING A PROTECTED/PERMISSIVE LEFT TURN.
- PHASES, WITH PHASE(S) 1 & 5 BEING A PROTECTED LEFT TURN PHASES.



BY	DATE	REVISIONS
J3T	01-08-19	CHECKED FOR ERRORS

SYSTEM ID: 1735321 T.E. 2664
METER ADDRESS: 7301 UNIVERSITY AVE. NE
OLD ID: 20680

INTERSECTION LAYOUT
T.H. 47 (UNIVERSITY AVE.) AT 73RD AVE. NE.
FRIDLEY, ANOKA COUNTY

S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
CERTIFIED BY:	LIC. NO.	DATE:	
STATE PROJ. NO. 0205-101 (T.H. 47)		SHEET NO. 1 OF 4 SHEETS	

PLOTTED/REVISED: 11-FEB-2019

DISTRICT #: Metro
I/PLOT NAME: 206808
PATH & FILENAME: Projects\DM_R05\047\0000NTrafficSignals\20680_73RD_AVE_206808.dgn

(4) A100 POLE FOUNDATION
TYPE A100-A-55-D40-9 (DAVIT AT 350)
3-ONE WAY SIGNALS OVERHEAD @ 0', 16' & 28'
TYPE 10B AT 0
TYPE 10B AT 270
2-C.D. PED INDICATIONS
ONE WAY EVP DETECTOR AND LIGHT
1-APS PB AND SIGN (LT ARROW) (PB8-1)
LUMINAIRE 200 WATT H.P.S.
EXTEND INTO HH 10:
3" RSC
2-12/C #12
4-3/C #12
1-3/C #12 (LUM.)
2-1/C #10 (ST.SIGN)
1-3/C #20

(4) A100 POLE FOUNDATION
TYPE A100-A-50-D40-9 (DAVIT AT 350)
2-ONE WAY SIGNALS OVERHEAD @ 0' & 12'
TYPE 10B AT 0
TYPE 10B AT 270
2-C.D. PED INDICATION
ONE WAY EVP DETECTOR AND LIGHT
1-APS PB AND SIGN (LT ARROW) (PB 6-1)
LUMINAIRE 200 WATT H.P.S.
R10-12 SIGN (36"X 48") ADJACENT TO 4-3
EXTEND INTO HH 15:
3" RSC
2-12/C #12
2-3/C #12
1-3/C #12 (LUM.)
2-1/C #10 (ST.SIGN)
1-3/C #20

(3) PEDESTAL POLE AND BASE
PEDESTAL FOUNDATION
TYPE 2A
EXTEND INTO HH 9:
3" RSC
1-12/C #12
1-3/C #12
1-2/C #14

(6) PEDESTAL POLE AND BASE
PEDESTAL FOUNDATION
TYPE 2A
1-APS PB AND SIGN (RT AND LT ARROW) (PB4-3)
EXTEND INTO HH 19:
3" RSC
1-12/C #12
1-3/C #12

(2) A100 POLE FOUNDATION
TYPE A100-A-50-D40-9 (DAVIT AT 350)
2-ONE WAY SIGNALS OVERHEAD @ 0' & 12'
TYPE 10B A 0
TYPE 10B AT 270
2-C.D. PED INDICATIONS
ONE WAY EVP DETECTOR AND LIGHT
LUMINAIRE 200 WATT H.P.S.
R10-12 SIGN (36"X 48") ADJ. TO 8-3
EXTEND INTO HH 5:
3" RSC
2-12/C #12
4-3/C #12
1-3/C #12 (LUM.)
1-3/C #20
2-1/C #10 (ST.SIGN)

(1) P100 POLE FOUNDATION
TYPE P100-A-35-D40-9 (DAVIT AT 350)
1-X6-350/CAM 400 EXTENSION (MOUNTED AT 350 DEG, INCLUDES LIGHTNING ROD)
7/16" GROUND BRAID & GROUND ROD
1-VIDEO CAMERA WITH MOUNT
2-ONE WAY SIGNALS OVERHEAD @ 0' & 12'
TYPE 10B AT 0
TYPE 10B AT 270
2-C.D. PED INDICATIONS
ONE WAY EVP DETECTOR AND LIGHT
LUMINAIRE 200 WATT H.P.S.
EXTEND INTO HH 20:
3" RSC
2-12/C #12
3-3/C #12
1-3/C #12 (LUM.)
2-1/C #10 (ST.SIGN)
1-3/C #20
1-7/16" GROUND BRAID TO GROUND ROD
1-CAT 5E (COM CABLE)

(A) EQUIPMENT PAD
SERVICE EQUIPMENT (PAD MOUNTED)
CONTROLLER AND CABINET

LOAD CENTER TO CABINET:
2" RSC
2-1/C #6
1-1/C #6 BR.GR

METER TO HH 21:
2" RSC
3-1/C #2

LOAD CENTER TO HH 20:
2" RSC
4-3/C #12 (LUM)
8-1/C #10 (ST.LT.SIGN)

CABINET TO HH 1:
2-4" RSC
5-12/C #12
7-3/C #12
2-3/C #20
21-2/C #14

CABINET TO HH 20:
4" RSC
5-12/C #12
5-3/C #12
2-3/C #20
9-2/C #14
1-CAT 5E (COM CABLE)
1-6PR #19 (ABANDONED)

STUB OUT
3" RSC (THREAD AND CAP BOTH ENDS)
2-2" RSC WITH 6PR#19

CONTROLLER CABINET TO PULL VAULT:
1-1.5" NMC (IN SPARE 3")
1-PRE-TERMINATED ARMORED FO PIGTAIL (12SM)

(B) S.O.P.

WOOD POLE
2" RSC RISER AND WEATHERHEAD
3-1/C #2

EXTEND INTO HH 22:
2" RSC
3-1/C #2

APS PED PB STA (PB4-1)
1-APS PB AND SIGN (LT ARROW)
EXTEND INTO HH 20:
1 1/4" PVC
1-2/C #14

APS PED PB STA (PB4-2)
1-APS PB AND SIGN (RT ARROW)
EXTEND INTO HH 15:
1 1/4" PVC
1-2/C #14

APS PED PB STA (PB8-3)
1-APS PB AND SIGN (DBL ARROW)
EXTEND INTO HH 9:
1 1/4" PVC
1-2/C #14

APS PED PB STA (PB2-2)
1-APS PB AND SIGN (RT ARROW)
EXTEND INTO HH 20:
1 1/4" PVC
1-2/C #14

APS PED PB STA (PB6-2)
1-APS PB AND SIGN (RT ARROW)
EXTEND INTO HH 10:
1 1/4" PVC
1-2/C #14

APS PED PB STA (PB8-2)
1-APS PB AND SIGN (RT ARROW)
EXTEND INTO HH 5:
1 1/4" PVC
1-2/C #14

APS PED PB STA (PB8-3)
1-APS PB AND SIGN (DBL ARROW)
EXTEND INTO HH 9:
1 1/4" PVC
1-2/C #14

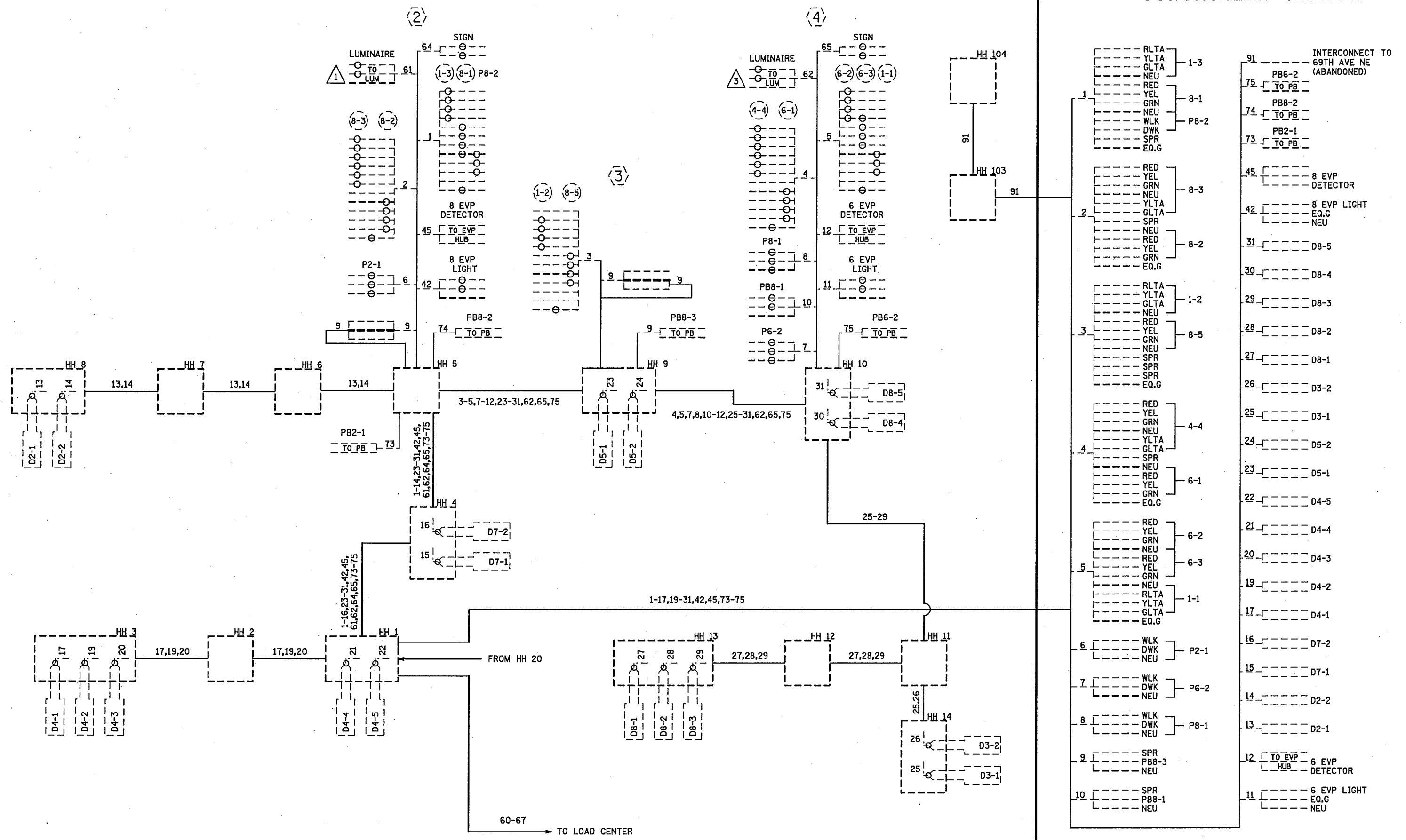
BY	DATE	REVISIONS	SYSTEM ID: 1735321	T.E. 2664	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
J3T	01-08-19	CHECKED FOR ERRORS	METER ADDRESS: 7301 UNIVERSITY AVE. NE		CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
			OLD ID: 20680		STATE PROJ.NO. 0205-101 (T.H.47)		SHEET NO. 2 OF 4 SHEETS	
INTERSECTION NOTES T.H. 47 (UNIVERSITY AVE.) AT 73RD AVE NE. FRIDLEY, ANOKA COUNTY								

PLOTTED/REVISED: 11-FEB-2019

PROJECT NAME: 20680B
 PATH & FILENAME: Projects\DM_R05\047\0000\Traffic\Signal\20680_73RD_AVE\20680B.dgn

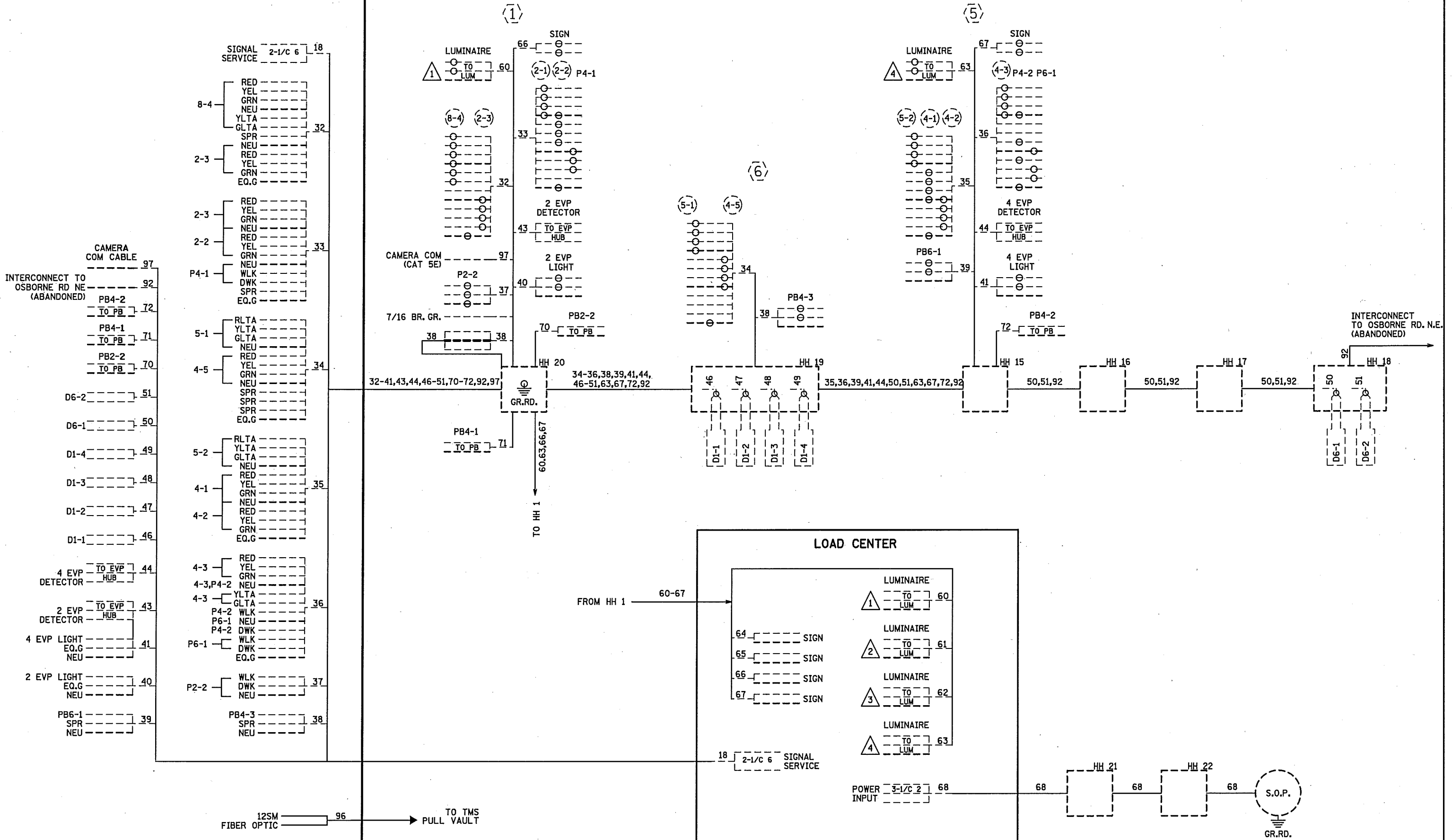
DISTRICT: Metro

CONTROLLER CABINET



BY	DATE	REVISIONS	SYSTEM ID: 1735321	T.E. 2664	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
J3T	01-08-19	CHECKED FOR ERRORS	METER ADDRESS: 7301 UNIVERSITY AVE. NE	OLD ID: 20680	CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
FIELD WIRING DIAGRAM (1 OF 2) T.H. 47 (UNIVERSITY AVE.) AT 73RD AVE NE. FRIDLEY, ANOKA COUNTY					STATE PROJ.NO. 0205-101 (T.H.47)			
					SHEET NO. 3 OF 4 SHEETS			

CONTROLLER CABINET



PLOTTED/REVISED: 11-FEB-2019

DISTRICT: Metro
 IPLOT NAME: 20680B
 PATH & FILENAME: Projects\DM_FRS\047\00007\Traffic\Signal\20680_73RD_AVE_20680B.dgn

BY	DATE	REVISIONS	SYSTEM ID: 1735321	T.E. 2664	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
J3T	01-08-19	CHECKED FOR ERRORS	METER ADDRESS: 7301 UNIVERSITY AVE. NE	OLD ID: 20680	CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
FIELD WIRING DIAGRAM (2 OF 2) T.H. 47 (UNIVERSITY AVE.) AT 73RD AVE NE. FRIDLEY, ANOKA COUNTY				STATE PROJ. NO. 0205-101 (T.H. 47) SHEET NO. 4 OF 4 SHEETS				

PLOTTED/REVISED: 11/15/2014

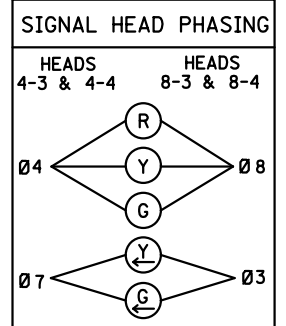
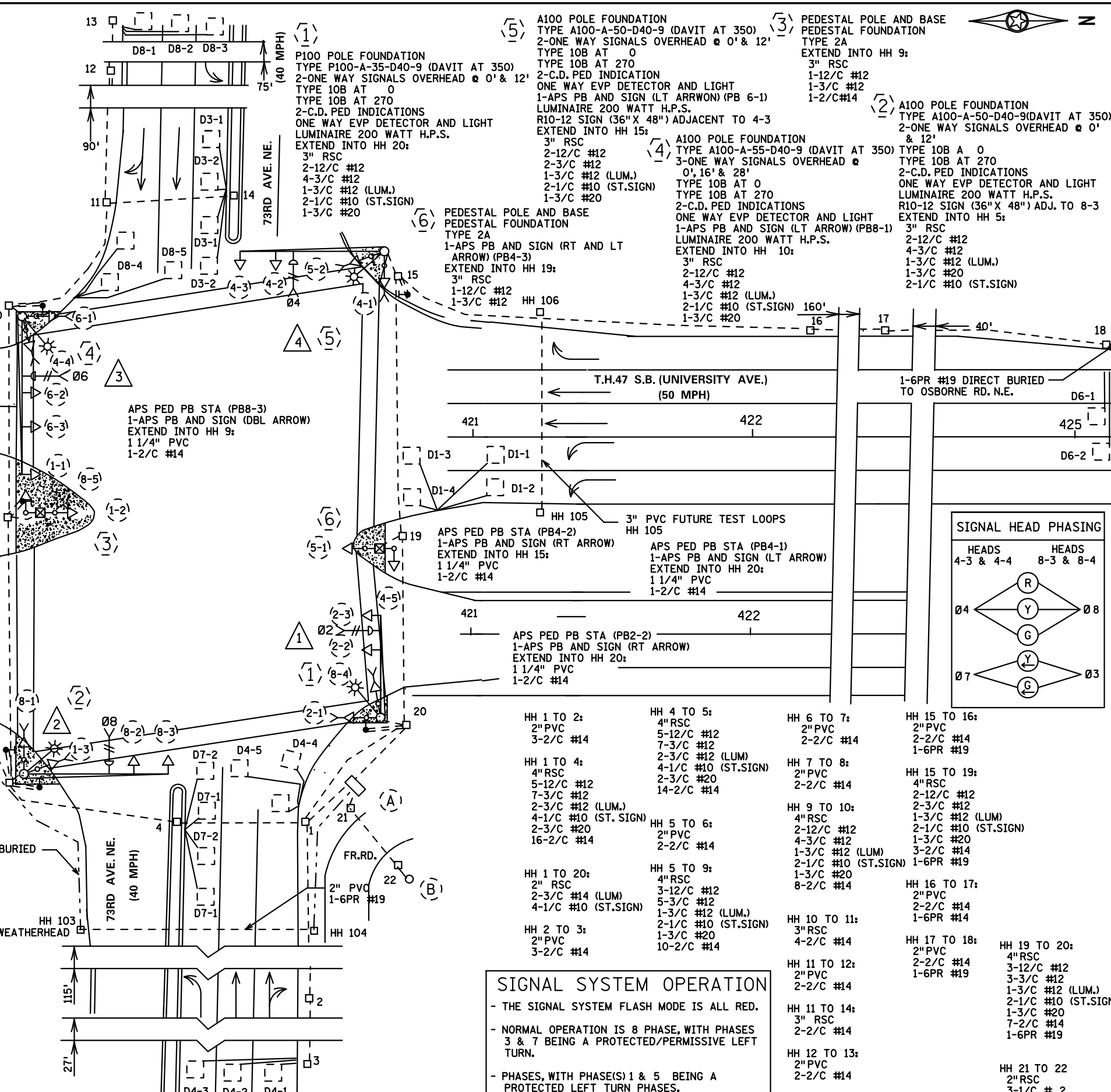
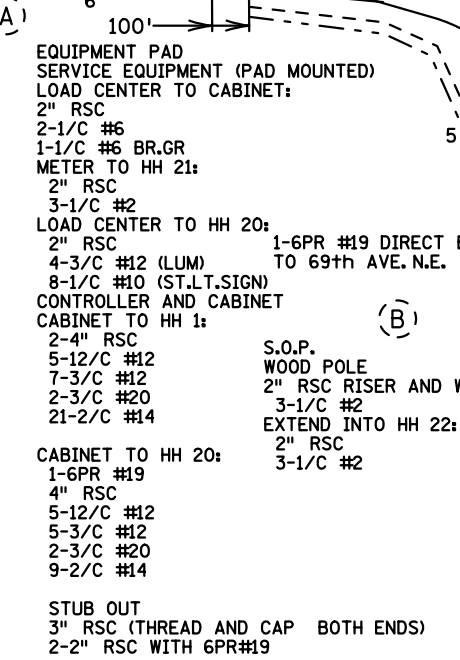
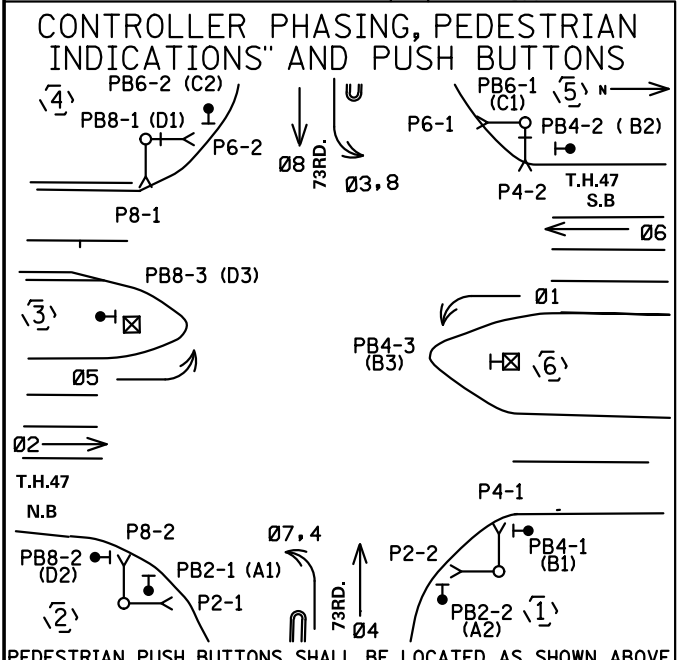
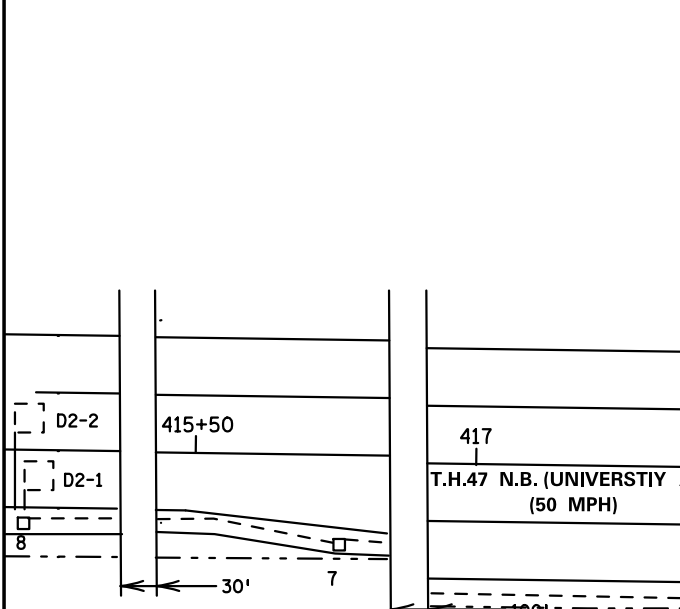
DISTRICT #: METRO
IPLOT NAME: layout
PATH & FILENAME: IP_PWP-d0781028V20680LWD-sgl.dgn

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

-ALL SIGNAL INDICATIONS SHALL BE 12"
-ALL SIGNAL FACES SHALL HAVE A BACKGROUND SHIELD

PVC LOOP DETECTORS		
NUMBER	SIZE (FT)	LOCATION
D1-1, D1-2	6 X 6	40
D1-3, D1-4	6 X 6	10
D2-1, D2-2	6 X 6	
D3-1	2-6 X 6	20 & 50
D3-2	2-6 X 6	5 & 35
D4-1, D4-2, D4-3	6 X 6	250
D4-4	2 6 X 6	5 & 20
D4-5	6 X 6	5
D5-1, D5-2	6 X 6	10&40
D6-1, D6-2	6 X 6	
D7-1	2-6 X 6	20 & 50
D7-2	2-6 X 6	5 & 35
D8-1, D8-2, D8-3	6 X 6	250
D8-4	2 6 X 6	5 & 20
D8-5	6 X 6	5

LOCATION= DISTANCE IN FEET FROM STOP LINE TO DETECTOR



SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 8 PHASE, WITH PHASES 3 & 7 BEING A PROTECTED/PERMISSIVE LEFT TURN.
- PHASES, WITH PHASE(S) 1 & 5 BEING A PROTECTED LEFT TURN PHASES.

HH 1 TO 2: 2" PVC 3-2/C #14	HH 4 TO 5: 4" RSC 5-12/C #12 7-3/C #12 2-3/C #12 (LUM.) 4-1/C #10 (ST.SIGN)	HH 6 TO 7: 2" PVC 2-2/C #14	HH 15 TO 16: 2" PVC 2-2/C #14 1-6PR #19
HH 1 TO 4: 4" RSC 5-12/C #12 7-3/C #12 2-3/C #12 (LUM.) 4-1/C #10 (ST.SIGN)	HH 5 TO 6: 2" PVC 2-2/C #14	HH 7 TO 8: 2" PVC 2-2/C #14	HH 15 TO 19: 4" RSC 2-12/C #12 2-3/C #12 1-3/C #12 (LUM.) 2-1/C #10 (ST.SIGN)
HH 1 TO 20: 2" RSC 2-3/C #14 (LUM.) 4-1/C #10 (ST.SIGN)	HH 5 TO 9: 4" RSC 3-12/C #12 5-3/C #12 1-3/C #12 (LUM.) 2-1/C #10 (ST.SIGN)	HH 9 TO 10: 4" RSC 2-12/C #12 4-3/C #12 1-3/C #12 (LUM.) 2-1/C #10 (ST.SIGN)	HH 16 TO 17: 2" PVC 2-2/C #14 1-6PR #14
HH 2 TO 3: 2" PVC 3-2/C #14	HH 10 TO 11: 3" RSC 4-2/C #14	HH 10 TO 12: 2" PVC 2-2/C #14	HH 17 TO 18: 2" PVC 2-2/C #14 1-6PR #19
	HH 11 TO 12: 2" PVC 2-2/C #14	HH 11 TO 14: 3" RSC 2-2/C #14	HH 19 TO 20: 4" RSC 3-12/C #12 3-3/C #12 1-3/C #12 (LUM.) 2-1/C #10 (ST.SIGN)
	HH 12 TO 13: 2" PVC 2-2/C #14		HH 21 TO 22: 2" RSC 3-1/C # 2

BY	DATE	REVISIONS
SJK	01-14-14	AS-BUILT PLAN SP 0205-98

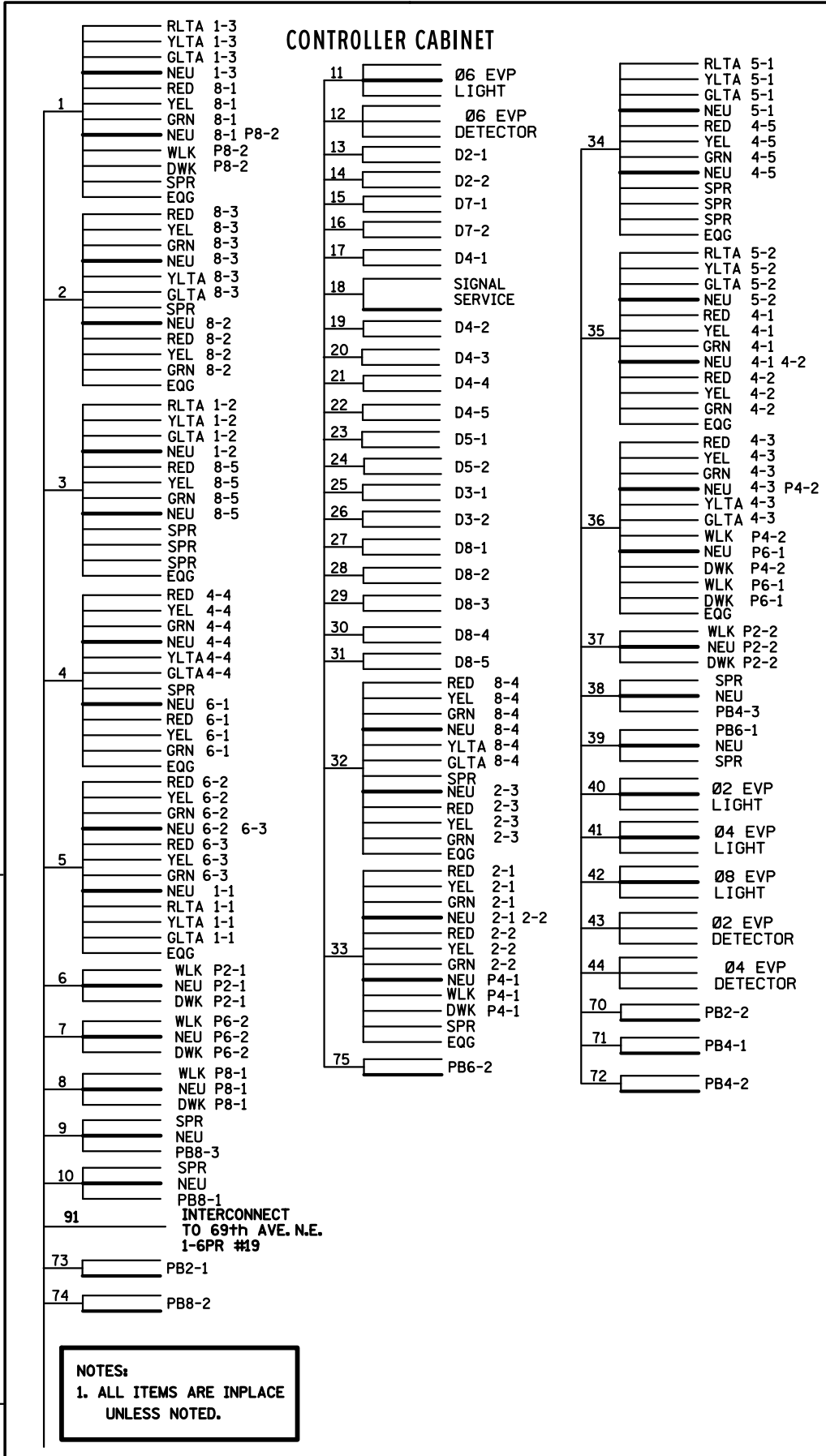
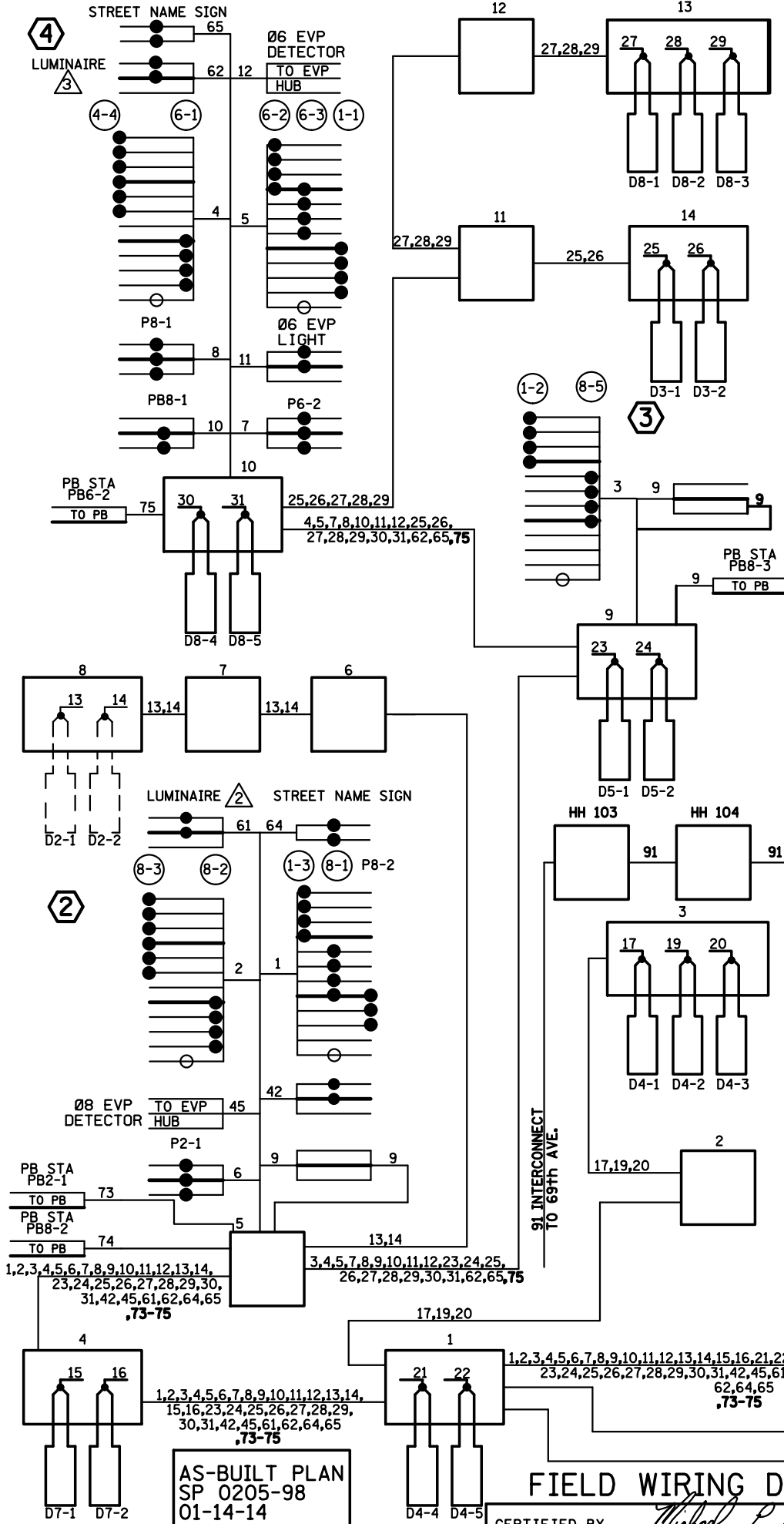
SYSTEM ID: 20680 T.E. 5122
METER ADDRESS: 7301 UNIVERSITY AVE NE
MASTER ID: T.E.

INTERSECTION LAYOUT
T.H. 47 (UNIVERSITY AVE.) AT 73RD AVE N.E.
IN FRIDLEY, ANOKA COUNTY

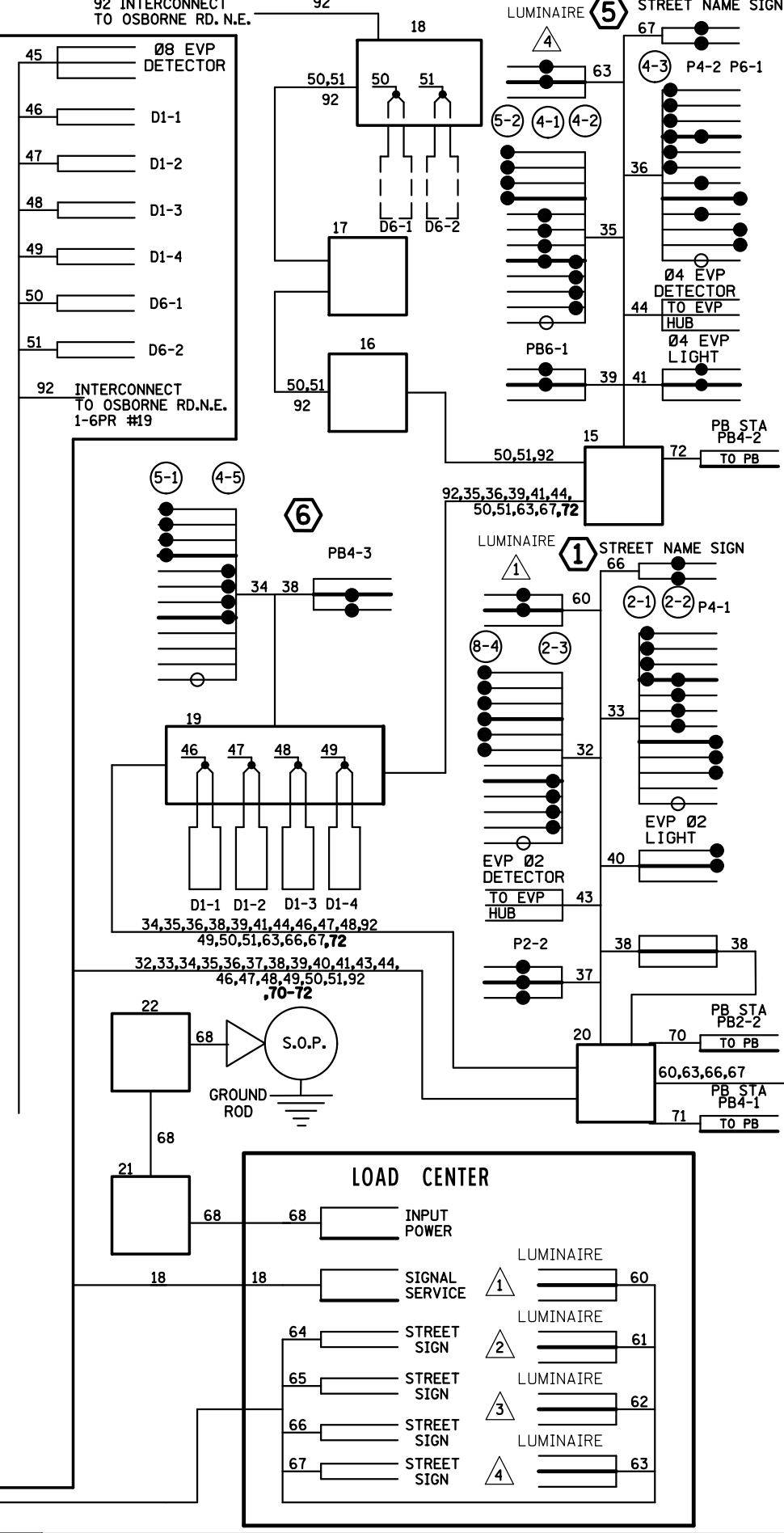
S.A.P. NO. _____
DRAWN BY: BAM CKD BY: CDB DATE: 4/21/10
CERTIFIED BY: *Michael P. Gelinsky* LIC. NO. 19863 DATE: 4/21/10
STATE PROJ. NO. 0205-98 (T.H. 47) SHEET NO. 1 OF 2 SHEETS

PLOTTED/REVISED: 1/15/2014

DISTRICT #: METRO
IPLOT NAME: wiring diagram
PATH & FILENAME: IP_PWP-d0781028VT20680LWD_sgl.dgn



NOTES:
1. ALL ITEMS ARE INPLACE UNLESS NOTED.



AS-BUILT PLAN
SP 0205-98
01-14-14

FIELD WIRING DIAGRAM T.H. 47 AT 73rd AVE. N.E.