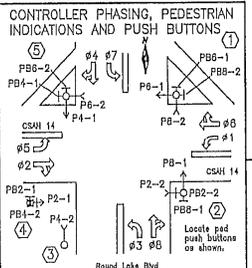
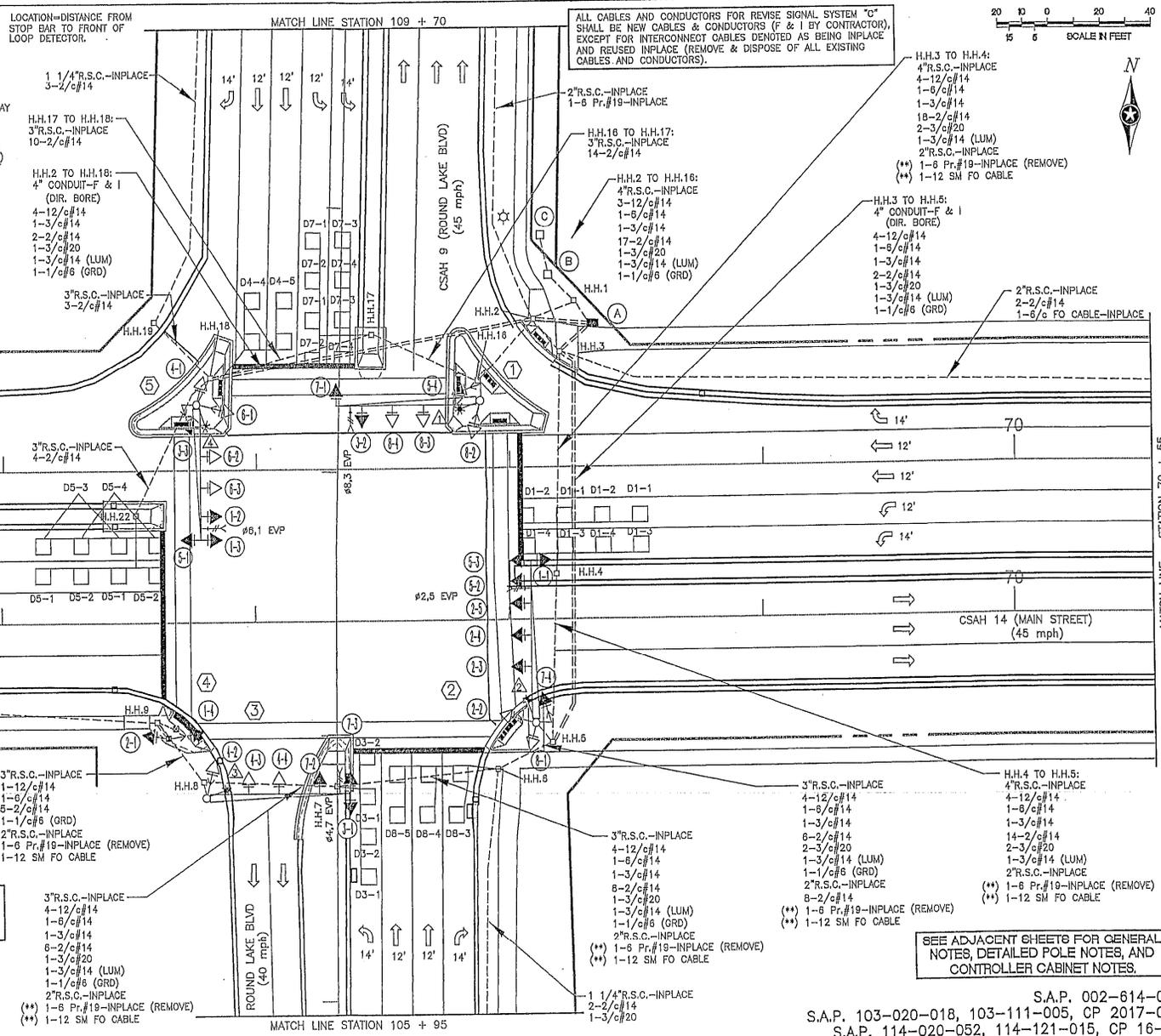


N.M.C. LOOP DETECTORS				
NUMBER	SIZE (FT.)	LOCATION	FUNCTION	STATUS
D1-1	2-8x6	15' & 45'	1	F & I
D1-2	2-8x6	0' & 30'	1	F & I
D1-3	2-8x6	15' & 45'	1	F & I
D1-4	2-8x6	0' & 30'	1	F & I
D2-1	6x6	300'	1	F & I
D2-2	6x6	300'	1	F & I
D2-3	6x6	300'	1	F & I
D3-1	2-8x6	15' & 45'	1	F & I
D3-2	2-8x6	0' & 30'	1	F & I
D4-1	6x6	330'	1	I
D4-2	6x6	330'	1	I
D4-3	6x6	330'	1	I
D4-4	2-8x6	5' & 20'	1	F & I
D4-5	2-8x6	5' & 20'	1	F & I
D5-1	2-8x6	15' & 45'	1	F & I
D5-2	2-8x6	0' & 30'	1	F & I
D5-3	2-8x6	15' & 45'	1	F & I
D5-4	2-8x6	0' & 30'	1	F & I
D6-1	6x6	300'	1	INPLACE
D6-2	6x6	300'	1	INPLACE
D7-1	2-8x6	15' & 45'	1	F & I
D7-2	2-8x6	0' & 30'	1	F & I
D7-3	2-8x6	15' & 45'	1	F & I
D7-4	2-8x6	0' & 30'	1	F & I
D8-1	6x6	300'	1	F & I
D8-2	2-8x6	5' & 20'	7	F & I
D8-3	2-8x6	5' & 20'	1	F & I
D8-4	2-8x6	5' & 20'	1	F & I
D8-5	2-8x6	5' & 20'	1	F & I

LOOP DETECTORS FUNCTIONS:
 NOTE: LOCATION-DISTANCE FROM STOP BAR TO FRONT OF LOOP DETECTOR.
 1) CALL AND EXTEND
 7) DELAYED CALL, IMMEDIATE EXTEND
LOOP DETECTORS STATUS:
 1) INPLACE LOOP DETECTOR IN ROADWAY SHALL BE REUSED INPLACE, BUT SPLICE KIT IN ADJACENT HANDHOLE SHALL BE REMOVED AND REPLACED NEW SPLICE KITS (AND SPLICED TO NEW AND INPLACE LEAD-IN CABLES) SO THAT INPLACE LOOPS ARE SPLIT AND OPERATED AS SHOWN.



CONTRACTOR SHALL FURNISH, INSTALL, COIL & STORE 25' OF 1-2/c#14 IN HANDHOLES 6, 8, 16, AND 18 FOR FUTURE PUSH BUTTON INSTALLATIONS BY OTHERS.

SIGNAL SYSTEM OPERATIONS:
 -- SIGNAL SYSTEM FLASH MODE IS ALL RED.
 -- NORMAL OPERATION IS 8 PHASE, WITH PHASES 1, 3, 5, 7 BEING REVISED FROM PROTECTED LEFT TURNS TO FLASHING YELLOW ARROWS (FLASH BY TIME OF DAY).

SEE ADJACENT SHEETS FOR GENERAL NOTES, DETAILED POLE NOTES, AND CONTROLLER CABINET NOTES.

DRAWN BY: JMG
 DESIGNER: JMG

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

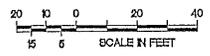
PHONE: (651) 490-3000
 555 WALKER CENTER DR.
 ANOKA, MN 55412

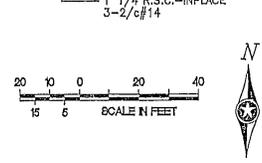
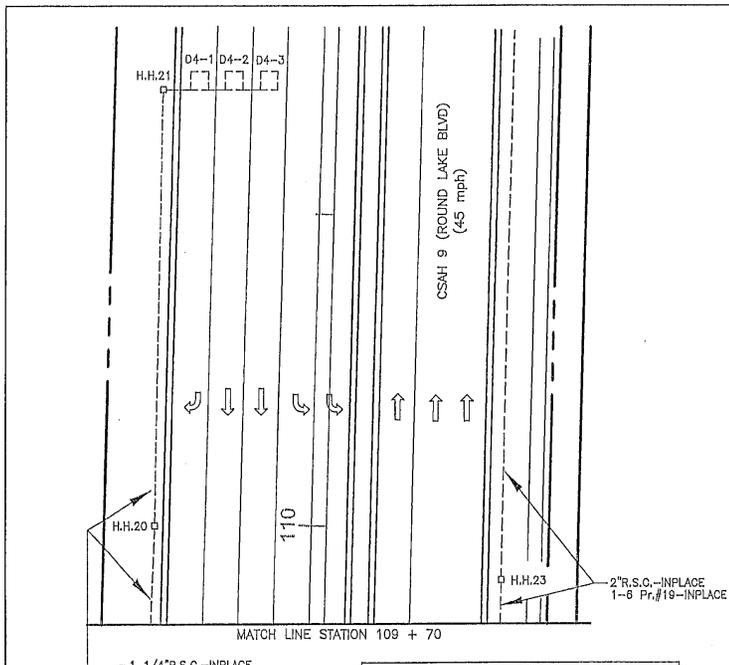
ANOKA COUNTY, MN
 ANOKA COUNTY ENGINEER

S.A.P. 103-020-018, 103-111-005, CP 2017-049
 S.A.P. 114-020-052, 114-121-015, CP 16-18

REVISION SIGNAL SYSTEM 'C'
 INTERSECTION LAYOUT
 ANOKA COUNTY ENGINEER

FILE NO. ANOKA 141213
 SIGNAL SHEET 120





- (A) INPLACE (SALVAGE) CONTROLLER AND CABINET
- INSTALL CONTROLLER AND CABINET (FURNISHED BY COUNTY)
- INPLACE (MAINTAIN INPLACE) CABINET FOUNDATION EXTENDED INTO H.H.1; METERED SIGNAL SERVICE 1 1/4\"/>

- (B) INPLACE (MAINTAIN INPLACE) CABINET FOUNDATION SIGNAL SERVICE CABINET 2\"/>

- INPLACE (MAINTAIN INPLACE) EXTENDED INTO H.H.3; 4\"/>

- (1) INPLACE (MAINTAIN INPLACE) A100 POLE FOUNDATION TYPE A100-A-55-X30-6 (DAVIT AT 350 DEG) 2-ONE WAY SIGNALS-OVERHEAD AT 22' & 34' 1-TYPE 10B-POLE MOUNTED 270 DEG 2-PEDESTRIAN PUSH BUTTONS 2-RB-1 SIGNS-POLE MOUNTED 0/180 DEG TYPE D SIGN PANEL-OVERHEAD AT 38' ONE WAY EVP DETECTOR AND LIGHT AT 4' EXTENDED INTO H.H.18; 3\"/>

- INPLACE (SALVAGE) 2-ONE WAY SIGNALS AND MOUNTS-OVERHEAD AT 0' (OLD 7-2) AND 10' (OLD 3-1) ONE WAY SIGNAL-POLE MOUNTED 90 DEG (OLD 5-3) LUMINAIRE-SHOEBOX
- INPLACE (REMOVE) TYPE 10B BRACKETING-POLE MOUNTED 90 DEG 2-PEDESTRIAN INSTRUCTION SIGNS (STICKERS) 3-12/c#12 2-3/c#12 1-3/c#20 4-1/c#10 (LUM)

- INPLACE (S & I) 1-SET PEDESTRIAN INDICATIONS AT 90 DEG (P8-1)
- F & I 2-ONE WAY SIGNALS AND ONE WAY MOUNTS-OVERHEAD AT 0' (NEW 7-1) AND 10' (NEW 3-2) LUMINAIRE-LED TYPE 10B BRACKETING-POLE MOUNTED 90 DEG (FOR 5-4, P8-1) 1-ONE WAY SIGNAL-POLE MOUNTED 90 DEG (NEW 5-4) 2-PEDESTRIAN INSTRUCTION SIGNS (R10-3a) R10-X12 SIGN PANEL-ADJACENT TO 3-2 3-12/c#14 1-6/c#14 1-3/c#14 2-2/c#14 1-3/c#20 1-3/c#14 (LUM) 1-1/c#6 (GRD)

- (3) INPLACE (MAINTAIN INPLACE) A100 POLE FOUNDATION TYPE A100-A-55-X30-8 (DAVIT AT 350 DEG) 2-ONE WAY SIGNALS-OVERHEAD AT 28' & 40' 1-TYPE 10B-POLE MOUNTED 270 DEG 2-RB-1 SIGNS-POLE MOUNTED 0/180 DEG TYPE D SIGN PANEL-OVERHEAD AT 42' EXTENDED INTO H.H.8; 3\"/>

- INPLACE (SALVAGE) ONE WAY SIGNAL AND MOUNT-OVERHEAD AT 0' (OLD 3-2) ONE WAY SIGNAL AND MOUNT-OVERHEAD AT 12' (OLD 7-1) LUMINAIRE-SHOEBOX
- INPLACE (REMOVE) 2-12/c#12 1-3/c#12 1-3/c#20 2-1/c#10 (LUM)
- INPLACE (S & I) ONE WAY EVP DETECTOR AND LIGHT AT 4' (INSTALL ON NEW 3/4\"/>

- F & I 2-ONE WAY SIGNALS AND 2-WAY MOUNT-OVERHEAD AT 0' (NEW 3-1, 7-3) 1-ONE WAY SIGNAL AND STRAIGHT MOUNT-OVERHEAD AT 12' (NEW 7-2) LUMINAIRE-LED R10-X12 SIGN PANEL-ADJACENT TO 7-3 3/4\"/>

- (4) INPLACE (SALVAGE) ONE WAY SIGNAL-POLE MOUNTED (OLD 1-2)
- INPLACE (REMOVE) PEDESTAL FOUNDATION PEDESTAL POLE AND BASE TYPE 2B BRACKETING 3\"/>

- INPLACE (S & I) 1-ONE WAY SIGNAL-POLE MOUNTED (2-1) 1-SETS PEDESTRIAN INDICATIONS (P2-1) 2-PEDESTRIAN PUSH BUTTONS (NORTH-PB2-1. AND EAST-PB4-2)
- F & I PEDESTAL FOUNDATION 14' PEDESTAL POLE (INCLUDES BASE, WIND COLLAR) 3-ONE WAY STRAIGHT MOUNTS (FOR 1-4, 2-1, P2-1) 1-ONE WAY SIGNAL-POLE MOUNTED (NEW 1-4) 2-PEDESTRIAN INSTRUCTION SIGNS (R10-3a) F & I 3\"/>

- (2) INPLACE (MAINTAIN INPLACE) A100 POLE FOUNDATION TYPE A100-A-55-X30-6 (DAVIT AT 350 DEG) 1-TYPE 10A-POLE MOUNTED 180 DEG 1-TYPE 10B-POLE MOUNTED 270 DEG 2-PEDESTRIAN PUSH BUTTONS (180/270 DEG) 2-RB-1 SIGNS-POLE MOUNTED 0/180 DEG TYPE D SIGN PANEL-OVERHEAD AT 40' EXTENDED INTO H.H.5; 3\"/>

- INPLACE (SALVAGE) TWO WAY SIGNAL AND MOUNT-OVERHEAD AT 0' (OLD 1-3, 5-1) ONE WAY SIGNAL-POLE MOUNTED 90 DEG (OLD 7-3) LUMINAIRE-SHOEBOX
- INPLACE (REMOVE) TYPE 10B BRACKETING-POLE MOUNTED 90 DEG 1-PUSH BUTTON AT 0 DEG & 3-PED INSTRUCTION SIGNS (STICKERS) 3-12/c#12 1-5/c#12 2-3/c#12 1-3/c#20 4-1/c#10 (LUM)

- INPLACE (S & I) 2-ONE WAY SIGNALS-OVERHEAD AT 11' (2-5) AND 23' (2-4) 1-SET PEDESTRIAN INDICATIONS AT 90 DEG (P8-1) ONE WAY EVP DETECTOR AND LIGHT AT 4' (INSTALL ON NEW 3/4\"/>

- F & I 5-FOOT EXTENSION FOR MAST ARM 2-ONE WAY SIGNALS AND 2-WAY MOUNT-OVERHEAD AT END OF EXTENSION (NEW 1-1, 5-3) 1-ONE WAY SIGNAL AND STRAP-ON MOUNT-OVERHEAD AT 3' (NEW 5-2) 2-STRAP-ON MID-MOUNTS-OVERHEAD AT 11' (2-5) AND 23' (2-4) 1-ONE WAY SIGNAL AND STRAP-ON MOUNT-OVERHEAD AT 35' (NEW 2-3) CAP MID-MOUNTS AT 16' AND 28' FROM END OF MAST ARM LUMINAIRE-LED TYPE 10B BRACKETING-POLE MOUNTED 90 DEG (FOR 7-4, P8-1) 1-ONE WAY SIGNAL-POLE MOUNTED 90 DEG (NEW 7-4) 2-PEDESTRIAN INSTRUCTION SIGNS (R10-3a) CAP HOLE ON POLE WHERE PUSH BUTTON USED TO BE AT 0 DEG R10-X12 SIGN PANEL-ADJACENT TO 5-3 3/4\"/>

- (5) INPLACE (MAINTAIN INPLACE) A100 POLE FOUNDATION TYPE A100-A-50-X30-8 (DAVIT AT 350 DEG) 2-ONE WAY SIGNALS-OVERHEAD AT 20' & 32' 1-TYPE 10A-POLE MOUNTED 180 DEG 1-TYPE 10B-POLE MOUNTED 270 DEG 2-PEDESTRIAN PUSH BUTTONS 2-RB-1 SIGNS-POLE MOUNTED 0/180 DEG TYPE D SIGN PANEL-OVERHEAD AT 33' EXTENDED INTO H.H.18; 3\"/>

- INPLACE (SALVAGE) TWO WAY SIGNAL AND MOUNT-OVERHEAD AT 0' (OLD 1-1, 5-2) ONE WAY SIGNAL-POLE MOUNTED 90 DEG (OLD 3-3) LUMINAIRE-SHOEBOX
- INPLACE (REMOVE) TYPE 10B BRACKETING-POLE MOUNTED 90 DEG 2-PEDESTRIAN INSTRUCTION SIGNS (STICKERS) 3-12/c#12 2-3/c#12 1-3/c#20 2-1/c#10 (LUM)

- INPLACE (S & I) 1-SET PEDESTRIAN INDICATIONS AT 90 DEG (P4-1) ONE WAY EVP DETECTOR AND LIGHT AT 4' (INSTALL ON NEW 3/4\"/>

- F & I 2-ONE WAY SIGNALS AND 2-WAY MOUNT-OVERHEAD AT 0' (NEW 1-3, 5-1) 1-ONE WAY SIGNAL AND STRAP-ON MOUNT-OVERHEAD AT 10' (NEW 1-2) LUMINAIRE-LED TYPE 10B BRACKETING-POLE MOUNTED 90 DEG (FOR 3-3, P4-1) 1-ONE WAY SIGNAL-POLE MOUNTED 90 DEG (NEW 3-3) 2-PEDESTRIAN INSTRUCTION SIGNS (R10-3a) R10-X12 SIGN PANEL-ADJACENT TO 1-3 3/4\"/>

S.A.P. 103-020-018, 103-111-005, CP 2017-049
S.A.P. 114-020-052, 114-121-015, CP 16-18

DRAWN BY: JMG
DESIGNER: JMG

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

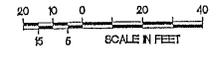
PHONE: (651) 490-2000
3232 YORKDALE CENTER DR.

ANOKA COUNTY, MN
ANOKA COUNTY ENGINEERS

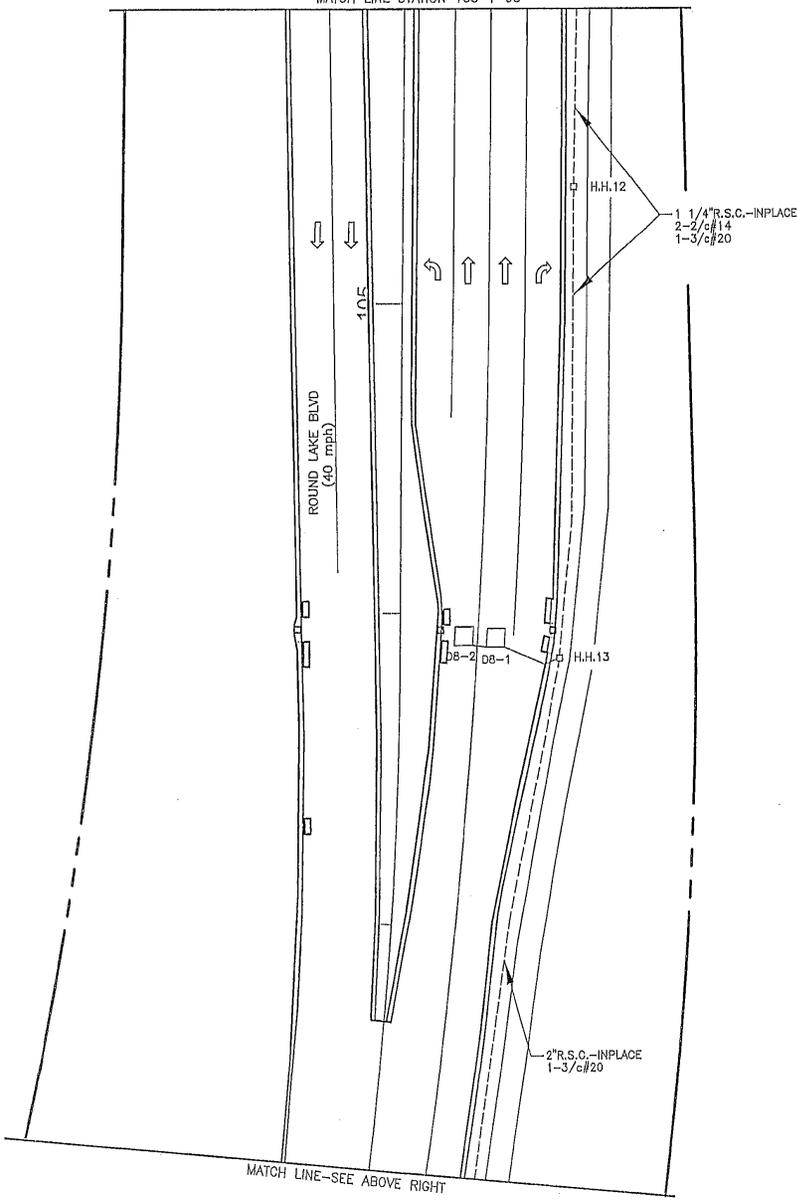
REVISE SIGNAL SYSTEM 'C'
CS&H 9 MATCH LINE/POLE NOTES

FILE NO. ANOKC 141213
121
SIGNAL SHEET

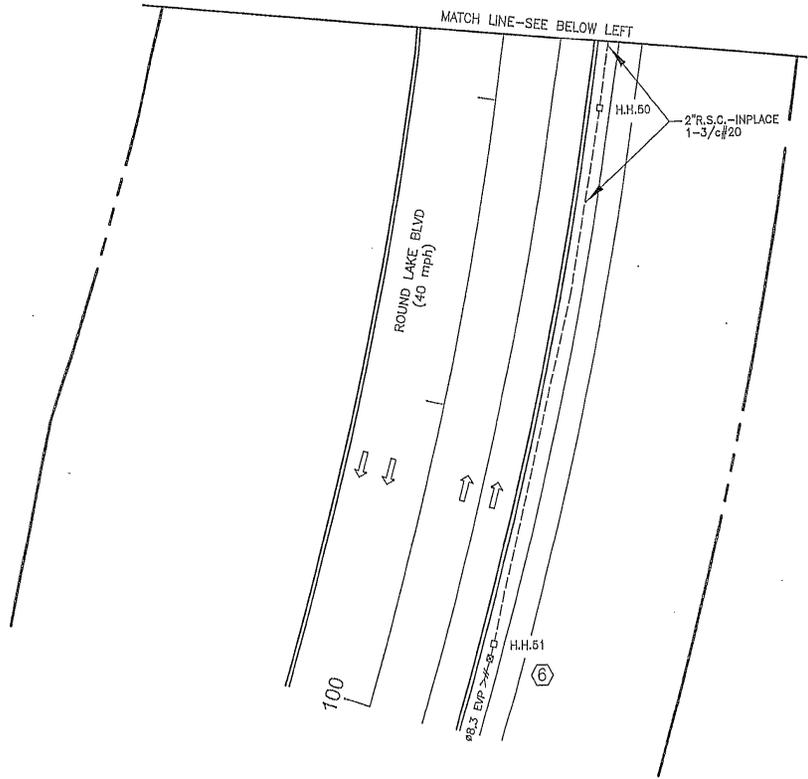
7131



MATCH LINE STATION 105 + 95



MATCH LINE-SEE BELOW LEFT



⑥ INPLACE PEDESTAL FOUNDATION
 (MAINTAIN) 10' PEDESTAL POLE AND BASE
 INPLACE) ONE WAY EXP DETECTOR (#8,3)-MOUNTED
 ATOP PEDESTAL POLE SUPPLIER COLLAR
 EXTENDED INTO H.H.51:
 2"R.S.C.
 F & I - 1-3/c#20

S.A.P. 002-614-040
 S.A.P. 103-020-018, 103-111-005, CP 2017-049
 S.A.P. 114-020-052, 114-121-015, CP 16-18

DRAWN BY:	JMG			
DESIGNER:	JMG			

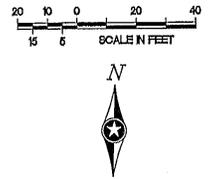
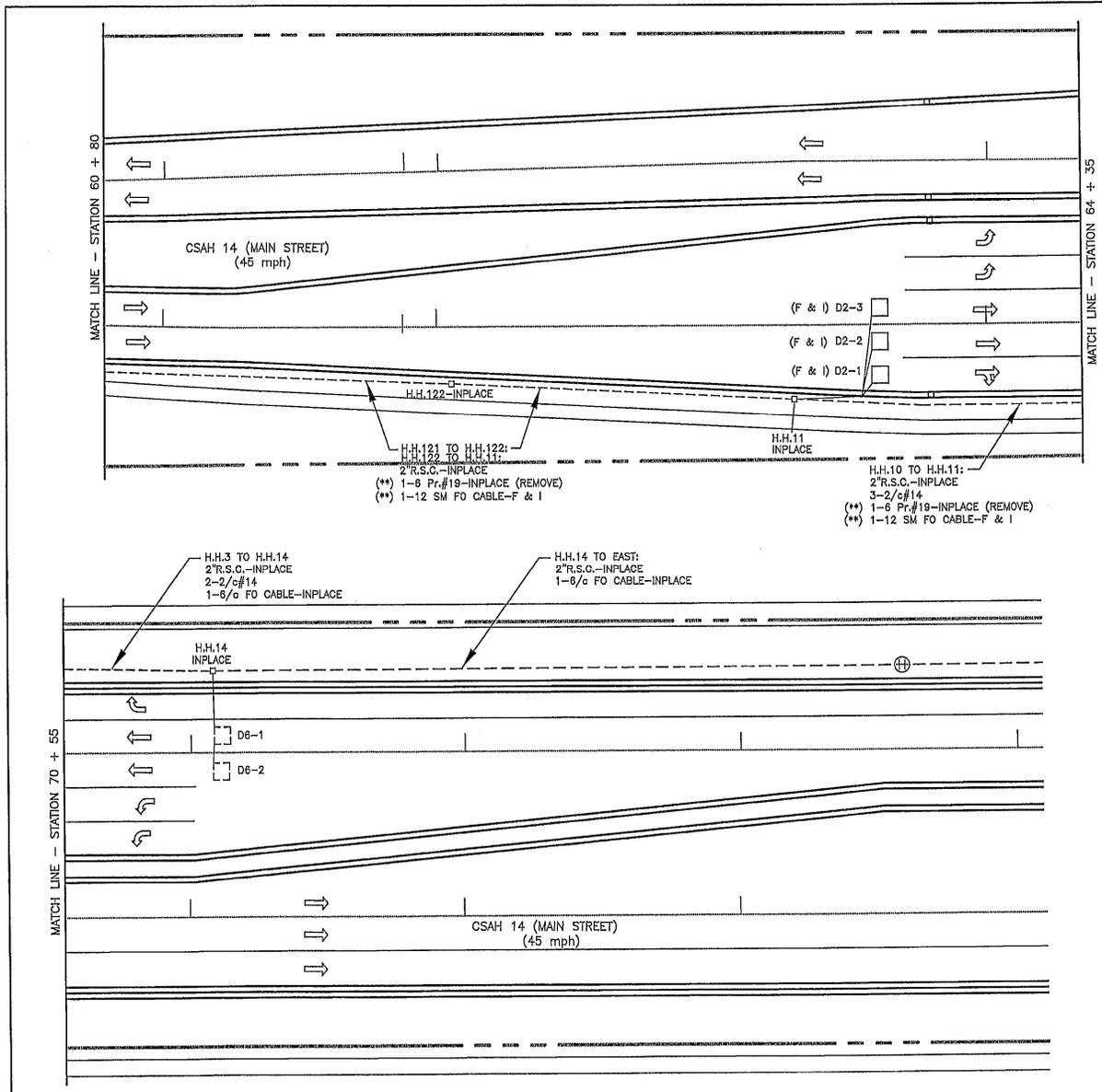
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PHONE: (651) 490-2000
 3202 YORKVILLE CENTER DR.

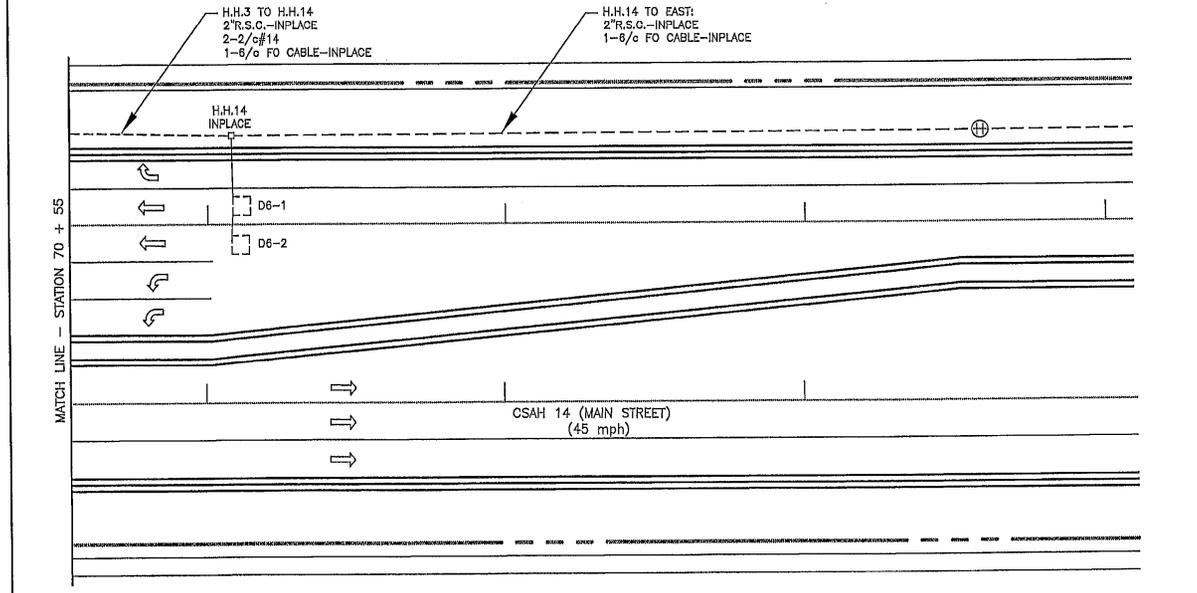
ANOKA COUNTY, MN
 ANOKA COON RAPIDS

REVISE SIGNAL SYSTEM 'C'
 ROUND LAKE BOULEVARD MATCH LINES

FILE NO.
 ANOKA 141213
 SIGNAL SHEET
 122



- SYSTEM "C" NOTES:**
- ALL ITEMS OF THIS SIGNAL SYSTEM ARE INPLACE AND SHALL BE REUSED AND MAINTAINED INPLACE, UNLESS OTHERWISE NOTED ON PLANS.
 - LOCATION OF NEW FOUNDATIONS AND LOOP DETECTORS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING HANDHOLES IN THE VICINITY OF CONSTRUCTION; SHALL ADJUST TO MATCH FINISHED SURROUNDING SIDEWALK/MEDIAN/BOULEVARD GRADE; SHALL REMOVE INPLACE CONCRETE OR TYPE LD COVERS FROM HANDHOLES 1, 3, 5, 7, 8, 18, 17, 18, 19 AND 22, AND SHALL FURNISH AND INSTALL NEW PVC METAL FRAMES & COVERS ON EACH OF THESE 10 HANDHOLES (INCIDENTAL). SEE SPECIAL PROVISIONS FOR FURTHER INFORMATION.
 - NEW LOOP DETECTORS TO BE FURNISHED AND INSTALLED BY THE CONTRACTORS SHALL HAVE LOOP DETECTOR WIRES THAT SHALL BE CROSS-LINKED POLYETHYLENE (XLP) #12 AWG IN 3/4" N.M.C. SEE SPECIAL PROVISIONS AND DETAILS FOR FURTHER INFORMATION.
 - ANY DAMAGE TO INPLACE TRAFFIC SIGNAL FACILITIES (CONDUIT, CABLES, HANDHOLES, SIGNAL POLES, ETC.), EITHER DUE TO TRAFFIC SIGNAL REVISION WORK OR SIDEWALK/MEDIAN/ROAD CONSTRUCTION WORK, SHALL BE REPAIRED BY CONTRACTOR TO SATISFACTION OF THE ENGINEER, AT NO EXPENSE TO THE COUNTY.
 - CONTRACTOR SHALL MAINTAIN OPERATION OF THE SIGNAL SYSTEM AT ALL TIMES, EXCEPT AS OTHERWISE APPROVED BY ENGINEER.
 - ALL PEDESTRIAN SIGNAL HEADS ARE ONE-SECTION COUNTDOWN TIMER "HAND/WALKING PERSON" INDICATIONS AND ARE INPLACE (REUSE AND MAKE OPERATIONAL AS SHOWN).
 - EACH NEW SIGNAL HEAD SHALL HAVE BACKGROUND SHIELD.
 - SEE SPECIAL PROVISIONS AND DETAILS REGARDING SIGNS TO BE FURNISHED AND INSTALLED BY CONTRACTOR (INCLUDED AS PART OF PAY ITEM FOR "REVISE SIGNAL SYSTEM C").
 - F & I = NEW, FURNISH AND INSTALL.
S & I = INPLACE, SALVAGE AND INSTALL.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAKING OPERATIONAL A NEW COUNTY FURNISHED CONTROLLER CABINET COMPLETE WITH NEW CONTROL EQUIPMENT ON THE INPLACE CABINET FOUNDATION & FOR SALVAGING THE EXISTING CONTROLLER AND CABINET TO THE COUNTY. SEE SPECIAL PROVISIONS (INCIDENTAL).
 - (**) DENOTES ITEMS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNDER ITEM NO. 2895 (TRAFFIC CONTROL INTERCONNECT). SEE STATEMENT OF ESTIMATED QUANTITIES AND SPECIAL PROVISIONS.
 - SEE TEMPORARY SIGNAL SYSTEM PLANS REGARDING MAINTAINING FULLY-ACTUATED OPERATION OF THIS SIGNAL SYSTEM DURING CONSTRUCTION AT ALL TIMES (TO BE MEASURED AND PAID FOR SEPARATELY).
 - ALL CABLES AND CONDUCTORS FOR REVISE SIGNAL SYSTEM "C" SHALL BE NEW CABLES & CONDUCTORS (F & I BY CONTRACTOR), EXCEPT FOR INTERCONNECT CABLES DENOTED AS BEING INPLACE AND REUSED INPLACE (REMOVE & DISPOSE OF ALL EXISTING CABLES AND CONDUCTORS).



STATUS:

- SALVAGE IN-PLACE OVERHEAD 3 SECTION SIGNAL AND F & I NEW OVERHEAD 4-SECTION SIGNAL (ON NEW ONE-WAY MOUNT).
- SALVAGE IN-PLACE OVERHEAD 4-SECTION SIGNALS AND F & I NEW OVERHEAD 4-SECTION SIGNALS (ON NEW 5' EXTENSION AND NEW 2-WAY MOUNT).
- SALVAGE IN-PLACE OVERHEAD 3 SECTION SIGNALS AND F & I NEW OVERHEAD 4-SECTION SIGNALS (ON NEW 2-WAY MOUNT).
- SALVAGE ONE IN-PLACE OVERHEAD 3 SECTION SIGNAL AND F & I NEW OVERHEAD 4-SECTION SIGNALS (ON NEW 2-WAY MOUNT).
- FURNISH & INSTALL NEW OVERHEAD 4-SECTION SIGNAL AND NEW STRAP-ON ONE WAY MOUNT.
- SALVAGE IN-PLACE OVERHEAD 3 SECTION SIGNAL AND NEW STRAP-ON ONE WAY MOUNT.
- FURNISH & INSTALL NEW OVERHEAD 3-SECTION SIGNAL AND F & I NEW POLE MOUNTED 4-SECTION SIGNAL (ON NEW TYPE 100 DRAGONKING).
- SALVAGE IN-PLACE POLE MOUNTED 3 SECTION SIGNAL AND INSTALL ON NEW ONE-WAY MOUNT.

○ = INPLACE LED (REUSE INPLACE).
● = F & I NEW LED INDICATION.
FYA = FLASHING YELLOW ARROW

SIGNAL HEAD #	ALL 12" INDICATIONS				STATUS
	R	Y	FYA	G	
1-1, 5-2	█	█	█	█	2
1-2, 5-2	█	█	█	█	6
1-3, 5-1	█	█	█	█	3
1-4, 5-4	█	█	█	█	8
2-1	○	○	○	○	9
2-2	○	○	○	○	INPLACE
2-3	●	●	●	●	7
2-4, 2-5	○	○	○	○	6
3-1, 7-3	█	█	█	█	4
3-2, 7-2	█	█	█	█	1
3-3, 7-4	█	█	█	█	8
4-1, 4-2, 4-3, 4-4	○	○	○	○	INPLACE
6-1, 6-2, 6-3	○	○	○	○	INPLACE
7-1	█	█	█	█	1
8-1, 8-2, 8-3, 8-4	○	○	○	○	INPLACE

S.A.P. 002-614-040
S.A.P. 103-020-018, 103-111-005, CP 2017-049
S.A.P. 114-020-052, 114-121-015, CP 16-18

DRAWN BY: JMG	NO.	BY	DATE	REVISIONS
DESIGNER: JMG				
CHECKED BY: JMG				
DESIGN TEAM				

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

John M. Gray
Name: John M. Gray, PE
Date: June 12, 2017
Lic. No. 22457

SEH
PHONE: (651) 490-2000
3535 WILKINS CENTER DR.
ST. PAUL, MN 55110

ANOKA COUNTY, MN
ANOKA, COON RAPIDS

REVISE SIGNAL SYSTEM "C"
CSAH 14 MATCH LINES/NOTES
CSAH 14 AT CSAH 9/ROUND LAKE BLVD

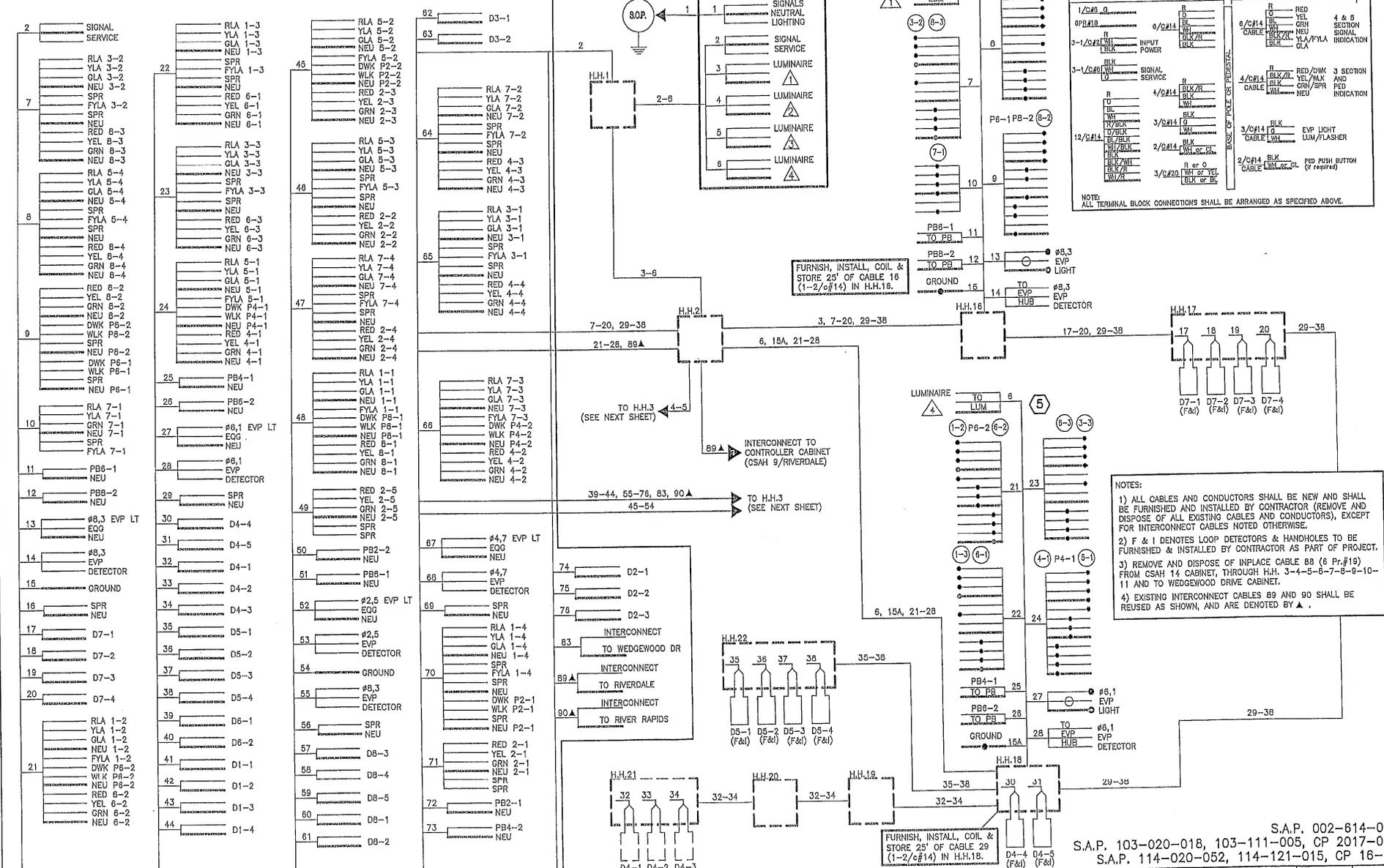
FILE NO. ANOKA 141213
SIGNAL SHEET 22 OF 34

119
159

CONTROLLER CABINET

SERVICE CABINET

CONDUCTOR COLOR CODE (14 GAUGE)



CONDUCTOR COLOR CODE (14 GAUGE)			
TO SIGNAL CABINET		TO DEVICE	
1/2 #14	R	R	RED
0/2 #14	BLK	YEL	4 & 5 SECTION
3-1/2 #14	BLK	GRN	NEU
3-1/2 #14	BLK	BLK/YEL	YLA/YLA
3-1/2 #14	BLK	BLK	INDICATION
3-1/2 #14	BLK	BLK/GRN	3 SECTION
3-1/2 #14	BLK	BLK/GRN	SPR
3-1/2 #14	BLK	BLK	NEU
3-1/2 #14	BLK	BLK/GRN	INDICATION
3-1/2 #14	BLK	BLK	EVP LIGHT
3-1/2 #14	BLK	BLK	LUM/FLASHER
3-1/2 #14	BLK	BLK	RED PUSH BUTTON
3-1/2 #14	BLK	BLK	(if required)

- NOTES:
- 1) ALL CABLES AND CONDUCTORS SHALL BE NEW AND SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR (REMOVE AND DISPOSE OF ALL EXISTING CABLES AND CONDUCTORS), EXCEPT FOR INTERCONNECT CABLES NOTED OTHERWISE.
 - 2) F & I DENOTES LOOP DETECTORS & HANDHOLES TO BE FURNISHED & INSTALLED BY CONTRACTOR AS PART OF PROJECT.
 - 3) REMOVE AND DISPOSE OF INPLACE CABLE 88 (6 Pr-#19) FROM CSAH 14 CABINET, THROUGH H.H. 3-4-5-8-7-8-9-10-11 AND TO WEDGEWOOD DRIVE CABINET.
 - 4) EXISTING INTERCONNECT CABLES 89 AND 90 SHALL BE REUSED AS SHOWN, AND ARE DENOTED BY ▲.

DRAWN BY: JMO
 DESIGNER: JMO

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

ANOKA COUNTY, MN
 ANOKA COUNTY ENGINEER

ANOKA COUNTY, MN
 ANOKA COUNTY ENGINEER

S.A.P. 002-614-040
 S.A.P. 103-020-018, 103-111-005, CP 2017-049
 S.A.P. 114-020-052, 114-121-015, CP 16-18

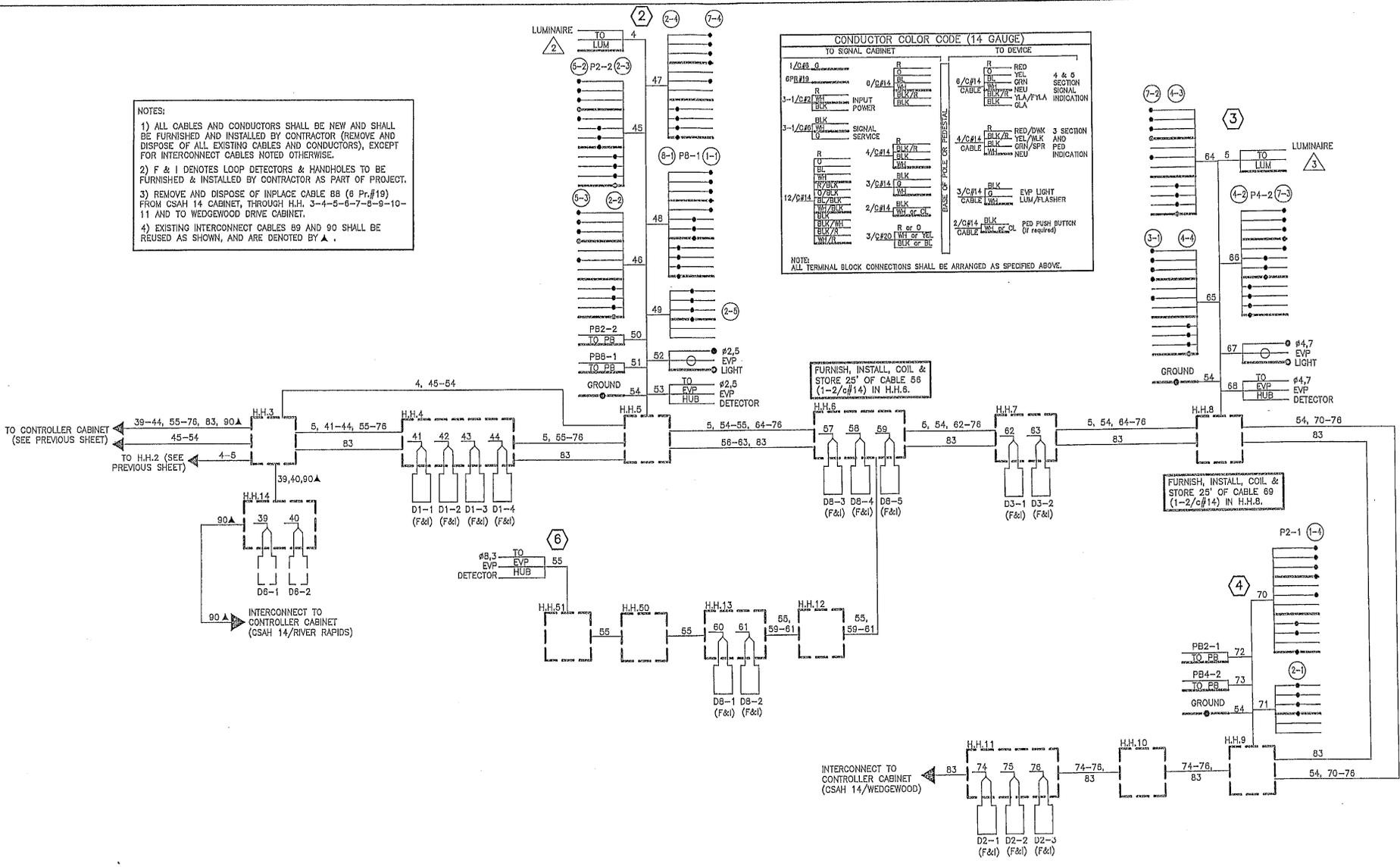
FILE NO. ANOKA 141213
 SIGNAL SHEET 123
 159

NOTES:
 1) ALL CABLES AND CONDUCTORS SHALL BE NEW AND SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR (REMOVE AND DISPOSE OF ALL EXISTING CABLES AND CONDUCTORS), EXCEPT FOR INTERCONNECT CABLES NOTED OTHERWISE.
 2) F & I DENOTES LOOP DETECTORS & HANDHOLES TO BE FURNISHED & INSTALLED BY CONTRACTOR AS PART OF PROJECT.
 3) REMOVE AND DISPOSE OF INPLACE CABLE 88 (6 Pr.#19) FROM CSAH 14 CABINET, THROUGH H.H. 3-4-5-6-7-8-9-10-11 AND TO WEDGEWOOD DRIVE CABINET.
 4) EXISTING INTERCONNECT CABLES 89 AND 90 SHALL BE REUSED AS SHOWN, AND ARE DENOTED BY ▲.

CONDUCTOR COLOR CODE (14 GAUGE)

TO SIGNAL CABINET		TO DEVICE	
1/2#18	R	R	RED
6Pr.#19	W	Y	YEL
3-1/2#17	BLK	BLK	BLK
3-1/2#18	BLK	BLK	BLK
3-1/2#19	BLK	BLK	BLK
4/2#14	R	R	RED/DWK
4/2#14	BLK	BLK	YEL/BLK
4/2#14	BLK	BLK	GRN/SPR
4/2#14	BLK	BLK	NEU
3/CM14	BLK	BLK	EXP LIGHT
3/CM14	BLK	BLK	LUM/FLASHER
2/2#14	BLK	BLK	EXP LIGHT
2/2#14	BLK	BLK	LUM/FLASHER
3/2#20	BLK	BLK	RED PUSH BUTTON
3/2#20	BLK	BLK	RED OF CL
3/2#20	BLK	BLK	RED OF BL

NOTE: ALL TERMINAL BLOCK CONNECTIONS SHALL BE ARRANGED AS SPECIFIED ABOVE.



DRAWN BY: JMO
 DESIGNER: JAC

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

ANOKA COUNTY, MN
 ANOKA COON RAPIDS

S.A.P. 002-614-040
 S.A.P. 103-020-018, 103-111-005, CP 2017-049
 S.A.P. 114-020-052, 114-121-015, CP 16-18

REVISE SIGNAL SYSTEM 'C'
 FIELD WIRING DIAGRAM

FILE NO.
 ANOKA 141213

124
 SIGNAL SHEET
 150