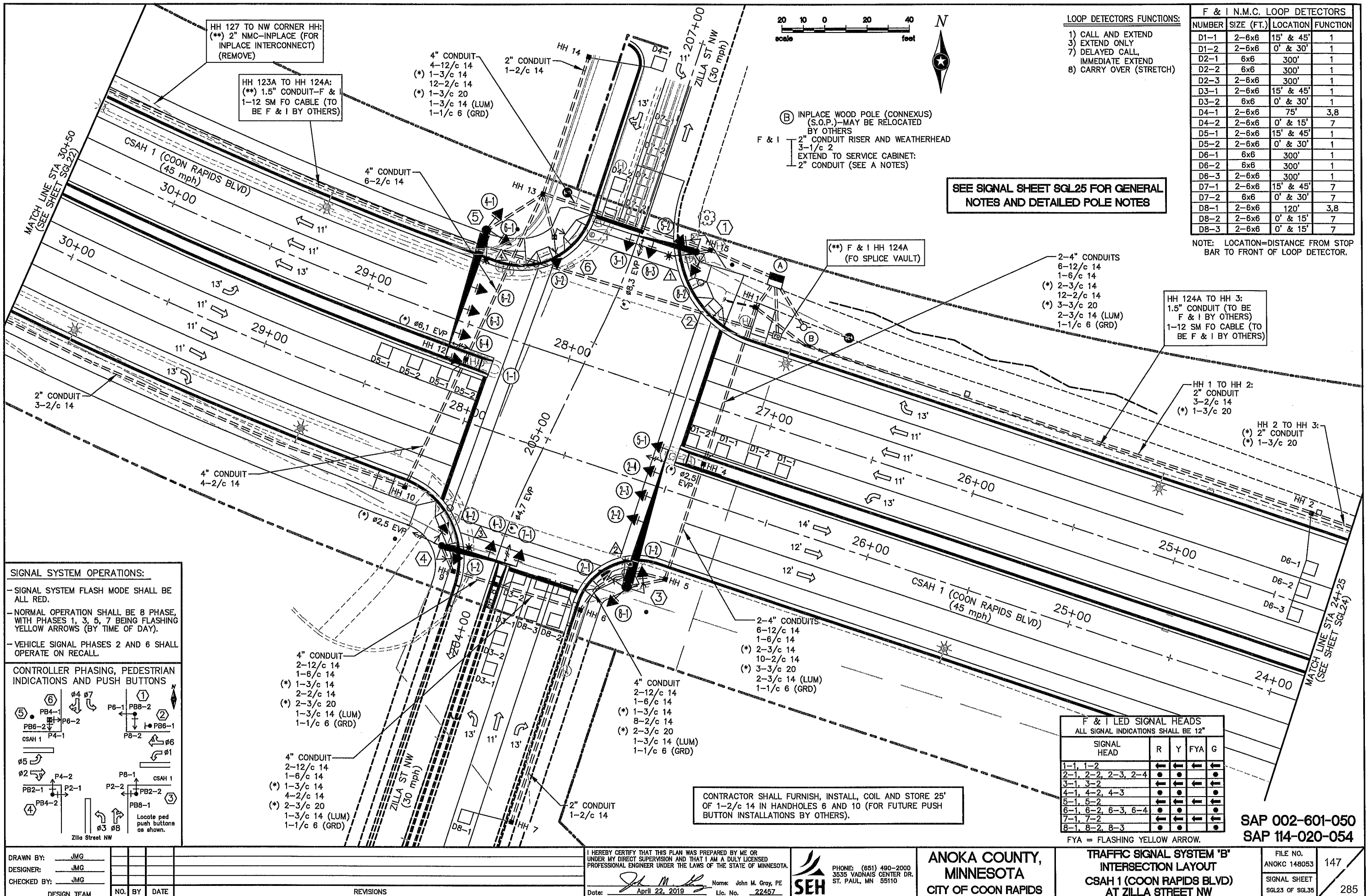
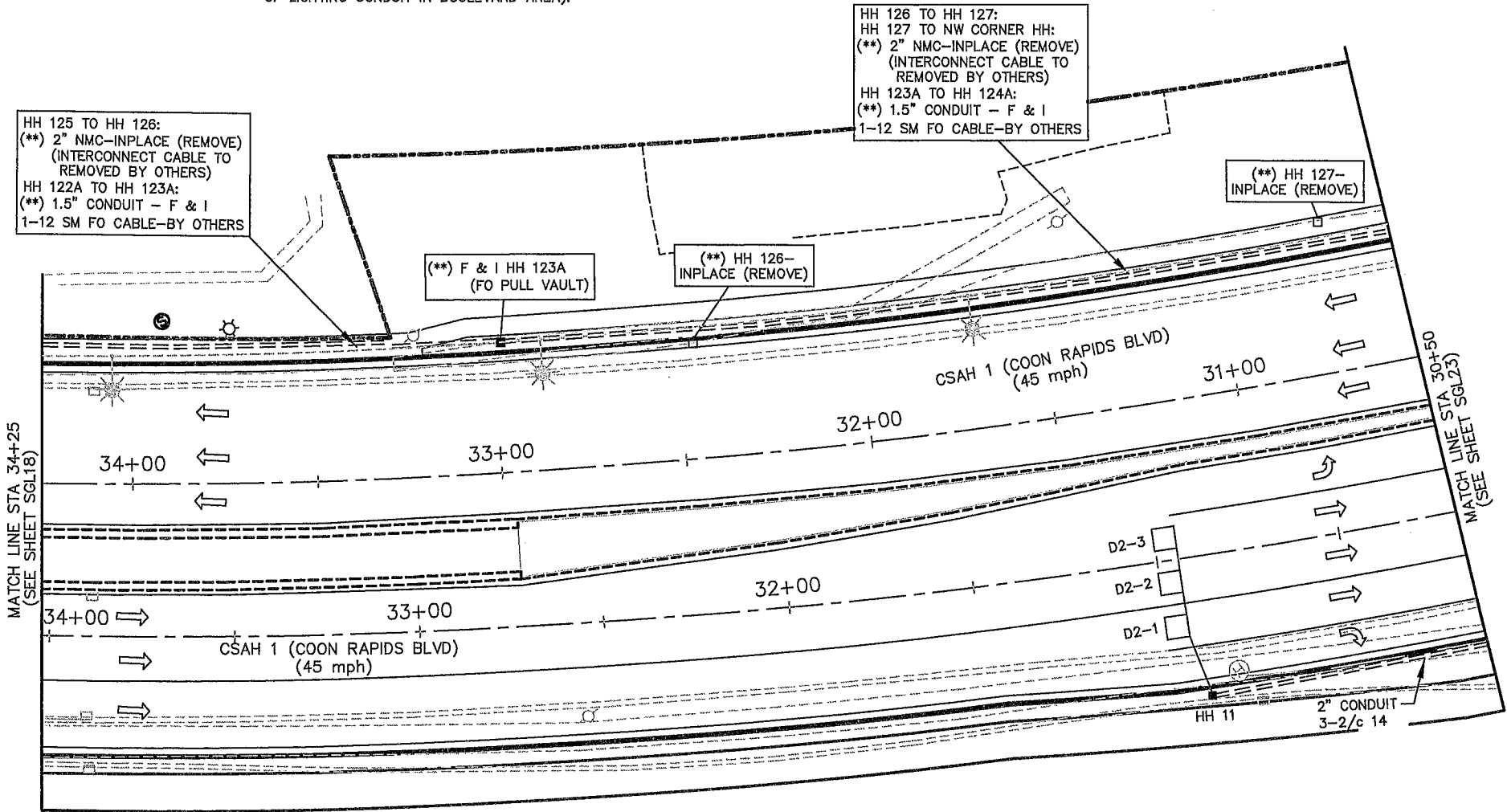






NOTE: CONTRACTOR SHALL COORDINATE PLACEMENT OF INTERCONNECT CONDUIT WITH LIGHTING CONDUIT (PLACE INTERCONNECT CONDUIT NORTH OF LIGHTING CONDUIT IN BOULEVARD AREA).



INTERCONNECT NOTES:

- 1) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO UTILIZE THE "ONE CALL EXCAVATION NOTICE SYSTEM" (TELEPHONE NUMBER 651-454-0002) AS REQUIRED BY MINNESOTA STATUTE 2160.
- 2) DISTANCE OFF SHOULDER OR CURB FOR INTERCONNECT CONDUIT SHALL BE 1-2 FEET.
- 3) (\*\*) DENOTES ITEMS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNDER ITEM NO. 2565 (TRAFFIC CONTROL INTERCONNECT). SEE STATEMENT OF ESTIMATED QUANTITIES AND SPECIAL PROVISIONS.
- 4) NEW HANDHOLES TO BE FURNISHED AND INSTALLED BY CONTRACTOR FOR INTERCONNECT SHALL BE FIBER OPTIC PULL OR SPLICE VAULTS AS NOTED. SEE SPECIAL PROVISIONS.
- 5) (F & I) DENOTES ITEMS TO BE FURNISHED AND INSTALLED BY CONTRACTOR AS PART OF THIS PROJECT.
- 6) REMOVAL OF INPLACE INTERCONNECT CABLES AND FURNISHING AND INSTALLING NEW FIBER OPTIC INTERCONNECT CABLES WILL BE COMPLETED BY OTHERS AS PART OF A SEPARATE PROJECT, AT NO EXPENSE TO THE CONTRACTOR (AT APPROX. THE SAME TIME AS THIS PROJECT). SEE SPECIAL PROVISIONS.

SAP 002-601-050  
SAP 114-020-054

DRAWN BY: JMG  
DESIGNER: JMG  
CHECKED BY: JMG  
DESIGN TEAM

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REVISIONS

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.  
Date: April 22, 2019 Name: John M. Gray, PE Lic. No. 22457



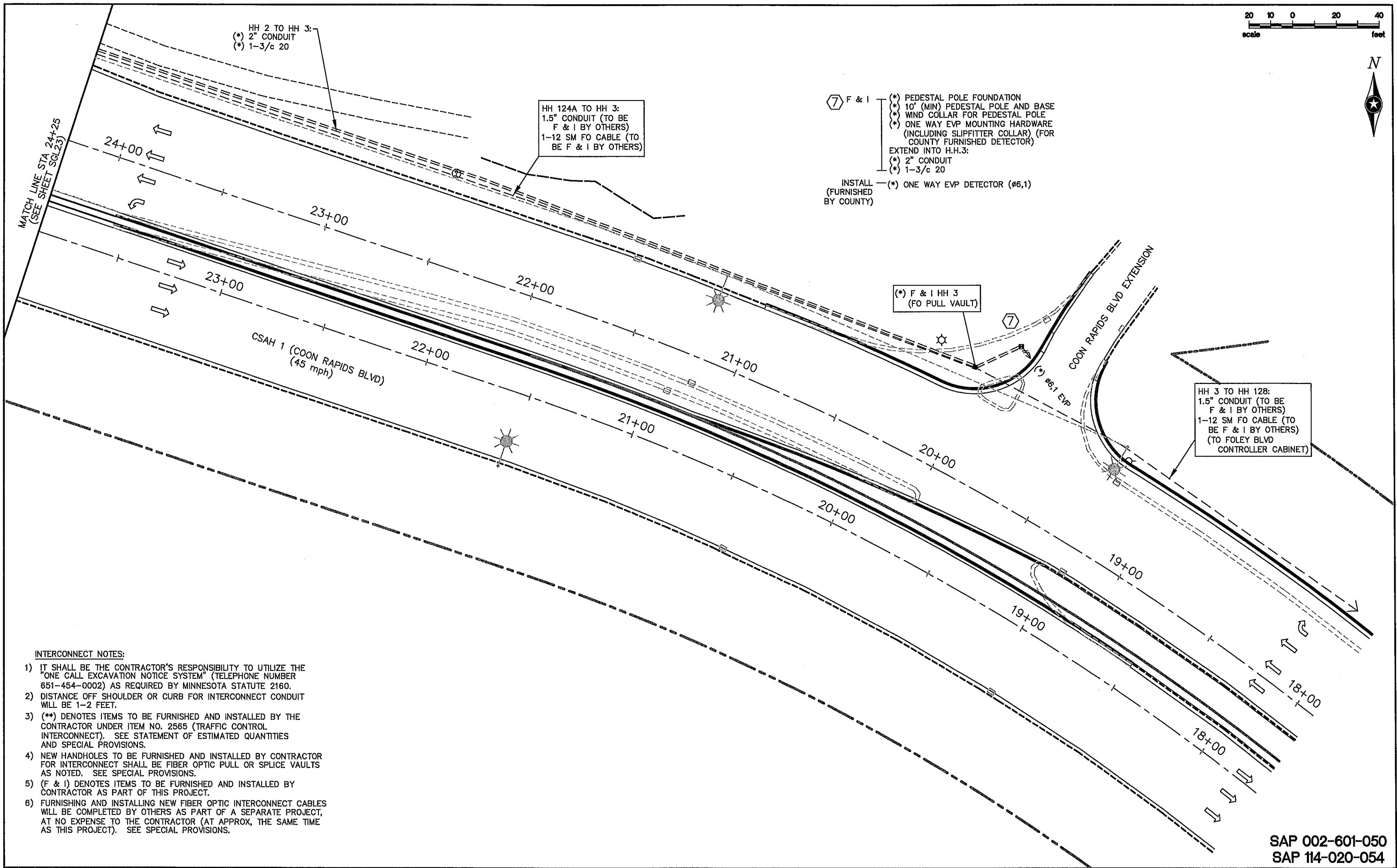
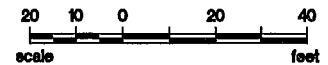
PHONE: (651) 490-2000  
3535 VADNAIS CENTER DR.  
ST. PAUL, MN 55110

ANOKA COUNTY,  
MINNESOTA  
CITY OF COON RAPIDS

TRAFFIC SIGNAL SYSTEM 'B'  
AND INTERCONNECT  
CSAH 1 (COON RAPIDS BLVD)  
AT ZILLA STREET NW

FILE NO.  
ANOKC 148053  
SIGNAL SHEET  
SGL22 OF SGL35

146  
285



INTERCONNECT NOTES:

- 1) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO UTILIZE THE "ONE CALL EXCAVATION NOTICE SYSTEM" (TELEPHONE NUMBER 651-454-0002) AS REQUIRED BY MINNESOTA STATUTE 2160.
- 2) DISTANCE OFF SHOULDER OR CURB FOR INTERCONNECT CONDUIT WILL BE 1-2 FEET.
- 3) (\*\*) DENOTES ITEMS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNDER ITEM NO. 2565 (TRAFFIC CONTROL INTERCONNECT). SEE STATEMENT OF ESTIMATED QUANTITIES AND SPECIAL PROVISIONS.
- 4) NEW HANDHOLES TO BE FURNISHED AND INSTALLED BY CONTRACTOR FOR INTERCONNECT SHALL BE FIBER OPTIC PULL OR SPLICE VAULTS AS NOTED. SEE SPECIAL PROVISIONS.
- 5) (F & I) DENOTES ITEMS TO BE FURNISHED AND INSTALLED BY CONTRACTOR AS PART OF THIS PROJECT.
- 6) FURNISHING AND INSTALLING NEW FIBER OPTIC INTERCONNECT CABLES WILL BE COMPLETED BY OTHERS AS PART OF A SEPARATE PROJECT, AT NO EXPENSE TO THE CONTRACTOR (AT APPROX. THE SAME TIME AS THIS PROJECT). SEE SPECIAL PROVISIONS.

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DESIGNER: JMG  
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DESIGN TEAM

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Date: April 22, 2019 Name: John M. Gray, PE Lic. No. 22457

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

ANOKA COUNTY,  
MINNESOTA  
CITY OF COON RAPIDS

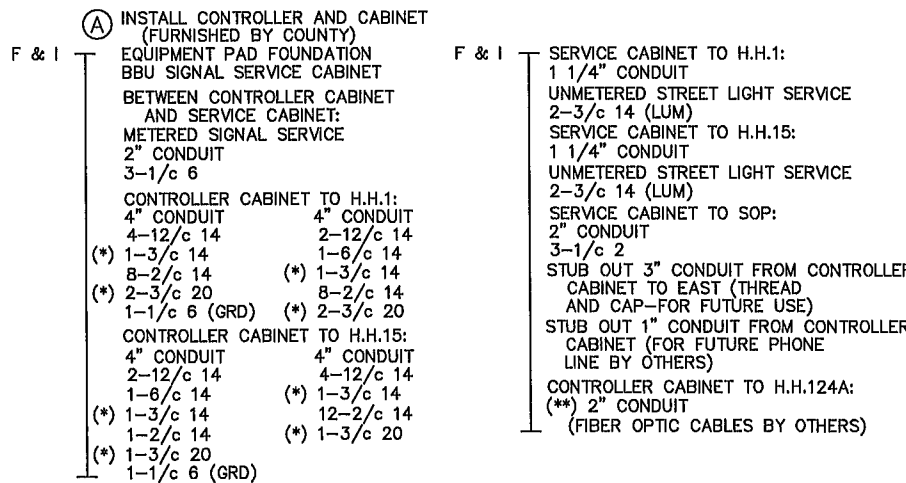
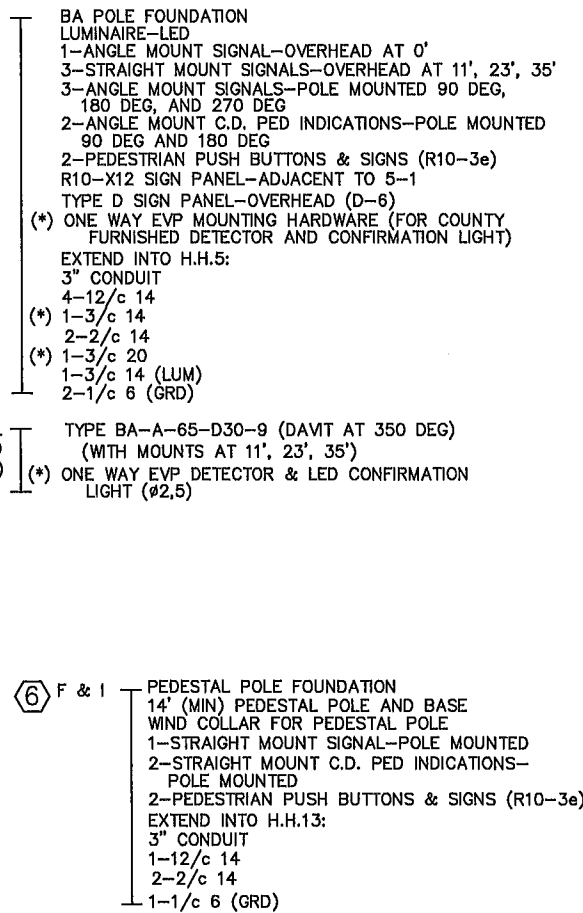
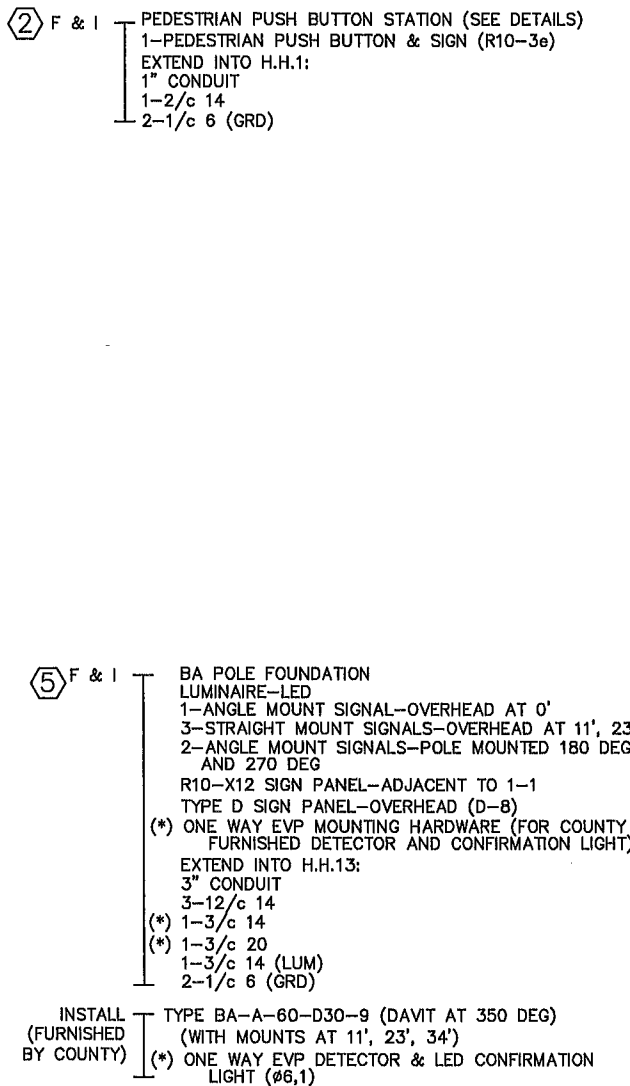
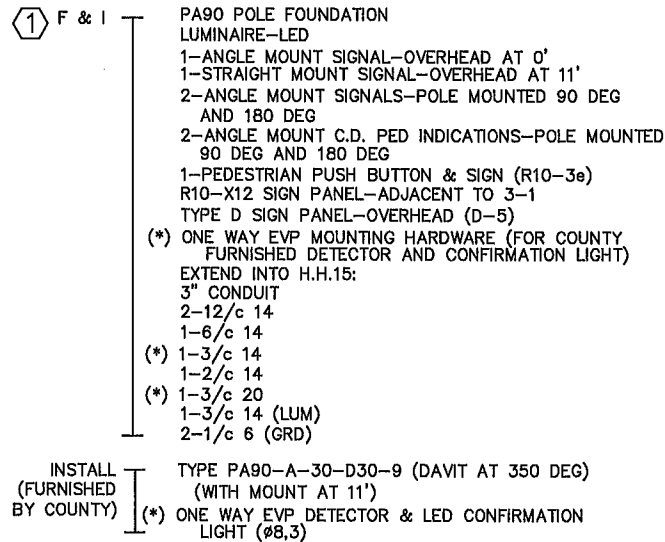
TRAFFIC SIGNAL SYSTEM 'B'  
INTERSECTION LAYOUT  
CSAH 1 (COON RAPIDS BLVD)  
AT ZILLA STREET NW

FILE NO.  
ANOKC 148053  
SIGNAL SHEET  
SGL24 OF SGL35  
148  
285

SAP 002-601-050  
SAP 114-020-054

NOTES:

- 1) LOCATION OF FOUNDATIONS, LOOP DETECTORS, AND HANDHOLES SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 2) SEE SPECIAL PROVISIONS FOR COUNTY FURNISHED MATERIALS.
- 3) NEW HANDHOLES SHALL BE PVC HANDHOLES WITH METAL FRAMES AND COVERS. SEE SPECIAL PROVISIONS.
- 4) A 3/4" HALF COUPLING, 3/4" PIPE NIPPLE & CONDUIT OUTLET BODY WILL BE FURNISHED AND INSTALLED 6 FEET FROM END OF EACH MAST ARM (FOR EVP).
- 5) THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE POWER COMPANY TO ARRANGE FOR THE POWER CONNECTION (CONNEXUS). SEE SPECIAL PROVISIONS.
- 6) SEE SPECIAL PROVISIONS AND DETAILS REGARDING SIGNS TO BE FURNISHED AND INSTALLED BY CONTRACTOR (INCLUDED AS PART OF PAY ITEM FOR "TRAFFIC CONTROL SIGNAL SYSTEM B").
- 7) EACH PEDESTRIAN INDICATION SHALL BE ONE SECTION LED FILLED COUNTDOWN TIMER "HAND/WALKING PERSON" INDICATION.
- 8) EACH SIGNAL FACE SHALL HAVE A BACKGROUND SHIELD.
- 9) SEE DETAILS, SPECIAL PROVISIONS & STATEMENT OF ESTIMATED QUANTITIES REGARDING BATTERY BACK-UP SIGNAL SERVICE CABINET TO BE FURNISHED AND INSTALLED BY CONTRACTOR (SEPARATE FROM ITEM NO. 2565 FOR THIS SIGNAL SYSTEM).
- 10) LOOP DETECTOR WIRES SHALL BE CROSS-LINKED POLYETHYLENE (XLP) 12 AWG IN 3/4" N.M.C. SEE SPECIAL PROVISIONS.
- 11) (\*) DENOTES ITEMS TO BE INCLUDED AS PART OF THE PAY ITEM FOR ITEM NO. 2565 (EMERGENCY VEHICLE PREEMPTION SYSTEM B). SEE STATEMENT OF ESTIMATED AND SPECIAL PROVISIONS.
- 12) (\*\*) DENOTES ITEMS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNDER ITEM NO. 2565 (TRAFFIC CONTROL INTERCONNECT). SEE STATEMENT OF ESTIMATED QUANTITIES AND SPECIAL PROVISIONS.
- 13) THE CONTRACTOR SHALL REMOVE, SALVAGE AND DISPOSE OF ALL ITEMS OF EXISTING PERMANENT SIGNAL SYSTEM IN ACCORDANCE WITH THE PLANS AND SPECIAL PROVISIONS (TO BE MEASURED AND PAID FOR SEPARATELY).
- 14) SEE SPECIAL PROVISIONS FOR FURTHER INFORMATION REGARDING FIBER OPTIC INTERCONNECT INSTALLATION WORK TO BE COMPLETED BY OTHERS AT NO EXPENSE TO CONTRACTOR, AT APPROXIMATELY THE SAME TIME AS THIS PROJECT.
- 15) CONTRACTOR SHALL MAINTAIN OPERATION OF A SIGNAL SYSTEM AT THIS INTERSECTION AT ALL TIMES - SEE TEMPORARY SIGNAL PLANS AND SPECIAL PROVISIONS.
- 16) ALL CONDUIT, LOOP DETECTORS, CABLES AND CONDUCTORS, AND HANDHOLES SHALL BE NEW AND SHALL BE FURNISHED & INSTALLED BY THE CONTRACTOR.



SAP 002-601-050  
SAP 114-020-054

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DESIGNER: JMG  
CHECKED BY: JMG  
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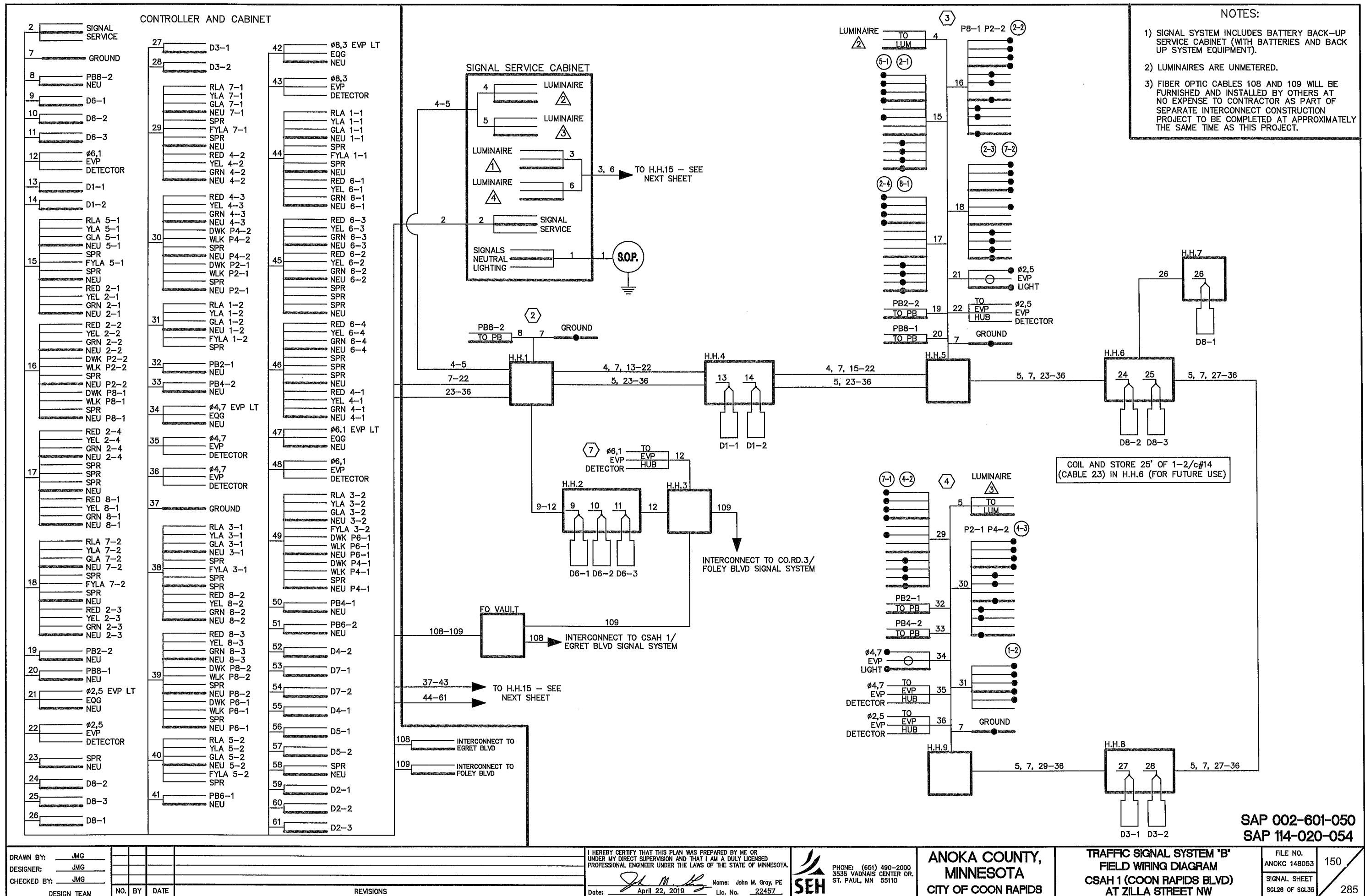
John M. Gray, PE  
April 22, 2019  
Lic. No. 22457

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

ANOKA COUNTY,  
MINNESOTA  
CITY OF COON RAPIDS

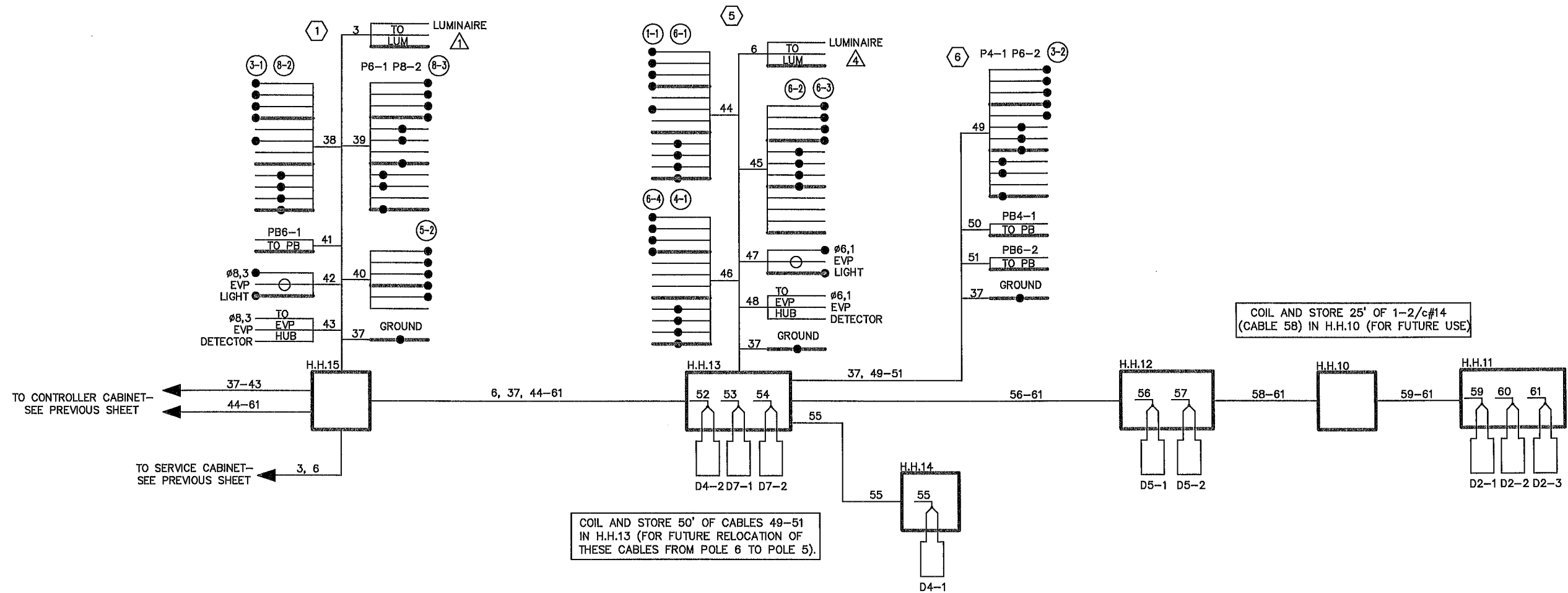
TRAFFIC SIGNAL SYSTEM "B"  
POLE, GENERAL, AND CABINET NOTES  
CSAH 1 (COON RAPIDS BLVD)  
AT ZILLA STREET NW

FILE NO.  
ANOKC 148053  
SIGNAL SHEET  
SGL25 OF SGL35  
149  
285



NOTES:

- 1) SIGNAL SYSTEM INCLUDES BATTERY BACK-UP SERVICE CABINET (WITH BATTERIES AND BACK UP SYSTEM EQUIPMENT).
- 2) LUMINAIRES ARE UNMETERED.
- 3) FIBER OPTIC CABLES 108 AND 109 WILL BE FURNISHED AND INSTALLED BY OTHERS AT NO EXPENSE TO CONTRACTOR AS PART OF SEPARATE INTERCONNECT CONSTRUCTION PROJECT TO BE COMPLETED AT APPROXIMATELY THE SAME TIME AS THIS PROJECT.



SAP 002-601-050  
SAP 114-020-054

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DESIGNER: JMG  
CHECKED BY: JMG  
DESIGN TEAM

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Date: April 22, 2019 Name: John M. Gray, PE Lic. No. 22457



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

ANOKA COUNTY,  
MINNESOTA  
CITY OF COON RAPIDS

TRAFFIC SIGNAL SYSTEM "B"  
FIELD WIRING DIAGRAM  
CSAH 1 (COON RAPIDS BLVD)  
AT ZILLA STREET NW

FILE NO.  
ANOKC 148053  
SIGNAL SHEET  
SGL27 OF SGL35

151  
285