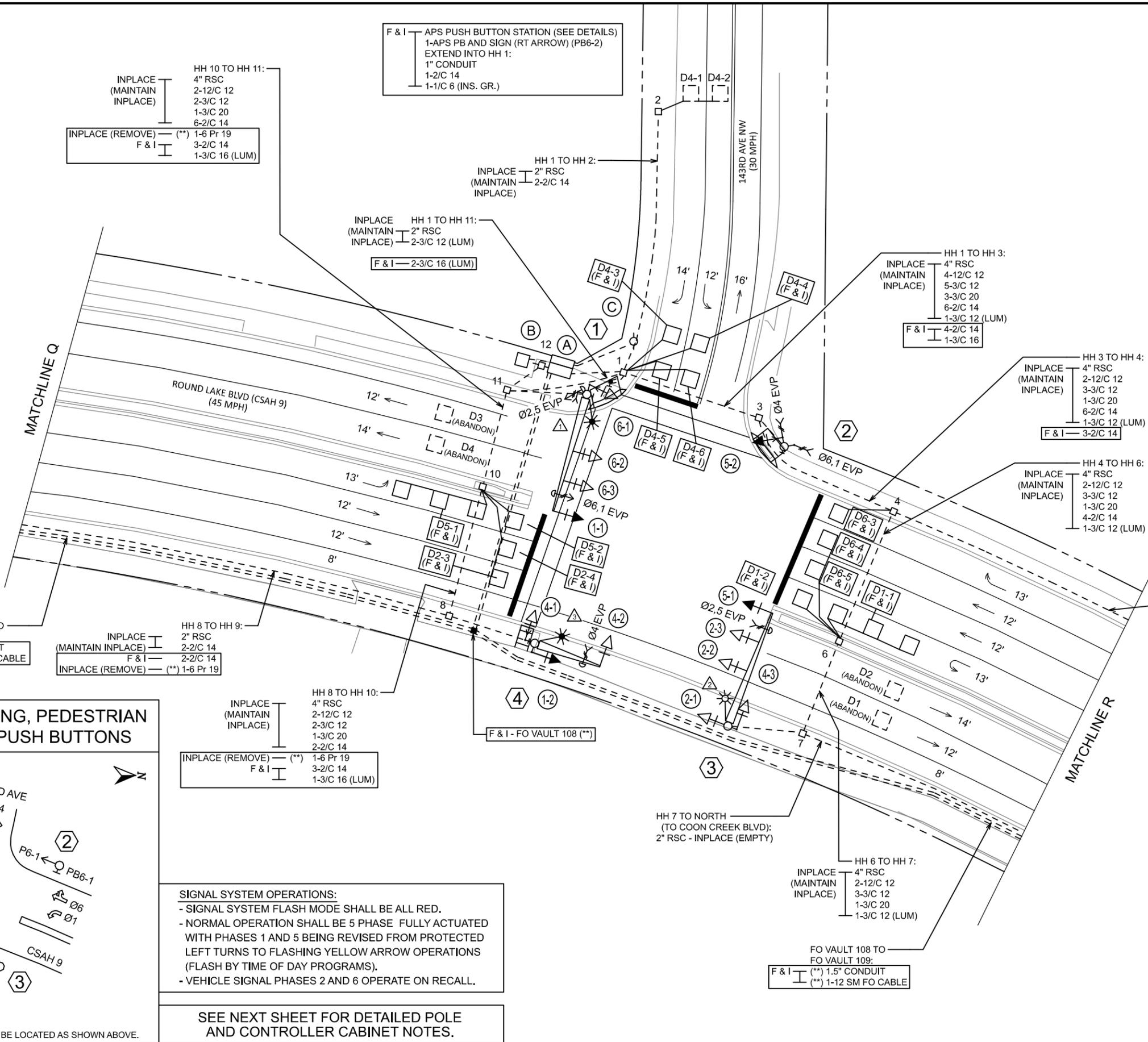
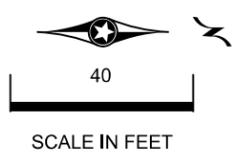


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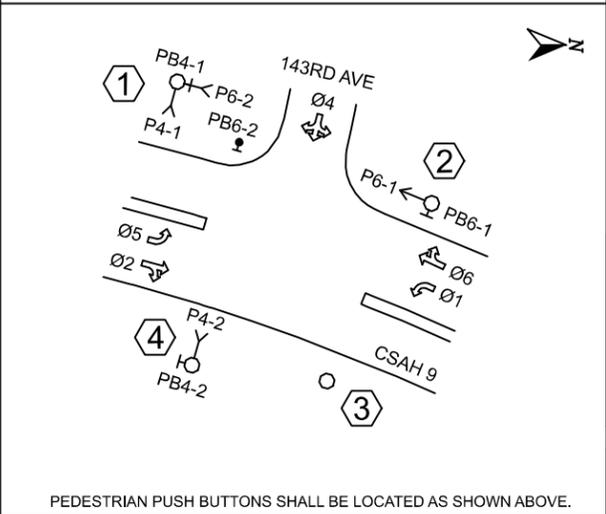


PVC LOOP DETECTORS

NUMBER	SIZE (FT.)	LOCATION	FUNCTION	STATUS
D1-1, D5-1	3-6X6	20', 35', 50'	1	1
D1-2, D5-2	6X6	5'	1	2
D2-1, D2-2	6X6	450'	1	3
D2-3, D2-4	6X6	5'	11	4
D4-1, D4-2	6X6	120'	3,8	INPLACE
D4-3, D4-4	6X6	20'	3,8	4
D4-5, D4-6	6X6	5'	3,8	3
D6-1, D6-2	6X6	450'	1	3
D6-3	6X6	5'	11	3
D6-4, D6-5	6X6	5'	11	4

NOTE:
 LOCATION = DISTANCE FROM STOP BAR TO FRONT OF LOOP DETECTOR
LOOP DETECTOR FUNCTIONS:
 1) CALL AND EXTEND
 3) EXTEND ONLY
 7) DELAYED CALL-IMMEDIATE EXTEND
 8) CARRY OVER (STRETCH)
 11) SPECIAL DETECTOR (COUNTING)
LOOP DETECTOR STATUS:
 1) DETACH EXISTING FRONT (10') AND BACK (40') LOOP FROM EXISTING LEAD-IN CABLES, FURNISH & INSTALL NEW PVC LOOP DETECTOR, AND SPLICE ALL 3 LOOP DETECTORS TO BACK LEAD-IN CABLE (F & I NEW SPLICE KIT).
 2) FURNISH & INSTALL NEW PVC LOOP DETECTOR AT 5' FROM STOP BAR. SPLICE THE NEW LOOP DETECTOR TO THE EXISTING FRONT LEAD-IN CABLE (F & I NEW SPLICE KIT).
 3) FURNISH & INSTALL NEW PVC LOOP DETECTOR AND NEW LEAD-IN CABLE.
 4) FURNISH & INSTALL NEW PVC LOOP DETECTOR AND CONNECT TO INPLACE LEAD-IN CABLE (F & I NEW SPLICE KIT).

CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS



SIGNAL SYSTEM OPERATIONS:
 - SIGNAL SYSTEM FLASH MODE SHALL BE ALL RED.
 - NORMAL OPERATION SHALL BE 5 PHASE FULLY ACTUATED WITH PHASES 1 AND 5 BEING REVISED FROM PROTECTED LEFT TURNS TO FLASHING YELLOW ARROW OPERATIONS (FLASH BY TIME OF DAY PROGRAMS).
 - VEHICLE SIGNAL PHASES 2 AND 6 OPERATE ON RECALL.

SEE NEXT SHEET FOR DETAILED POLE AND CONTROLLER CABINET NOTES.

LED SIGNAL HEAD CHART

SIGNAL HEAD	R	Y	FYA	G	STATUS
1-1	⤴	⤴	⤴	⤴	1
1-2	⤴	⤴	⤴	⤴	2
2-1, 2-2, 2-3	○	○		○	INPLACE
4-1, 4-2, 4-3	○	○		○	INPLACE
5-1	←	←	←	←	1
5-2	←	←	←	←	2
6-1, 6-2, 6-3	○	○		○	INPLACE

○ = INPLACE LED (REUSE INPLACE)
 ⤴ = F & I NEW LED INDICATION
 ← = FLASHING YELLOW ARROW
STATUS:
 1) REMOVE IN-PLACE OVERHEAD 3-SECTION SIGNAL AND F & I NEW OVERHEAD 4-SECTION SIGNAL ON END OF EXISTING MAST ARM.
 2) REMOVE IN-PLACE POLE MOUNTED 3-SECTION SIGNAL AND F & I NEW POLE MOUNTED 4-SECTION SIGNAL (ON NEW SIGNAL BRACKETING).

DESIGN TEAM	NO.	BY	DATE	REVISIONS
DRAWN BY: MRB				
DESIGNER: MRB				
CHECKED BY: 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.
 Printed Name: JOHN M. GRAY
 License No. 22457 Date: 09/23/2025

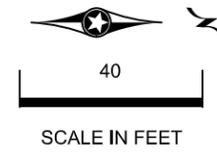
ANOKA COUNTY, MN
CSAH 9
 SAP 002-609-023
 CITY OF ANDOVER SAP 198-020-042, CITY PROJECT 25-13
 CITY OF ANOKA SAP 103-020-020

REVISE SIGNAL SYSTEM "F"
 INTERSECTION LAYOUT
 CSAH 9 (ROUND LAKE BOULEVARD) AT 143RD AVENUE

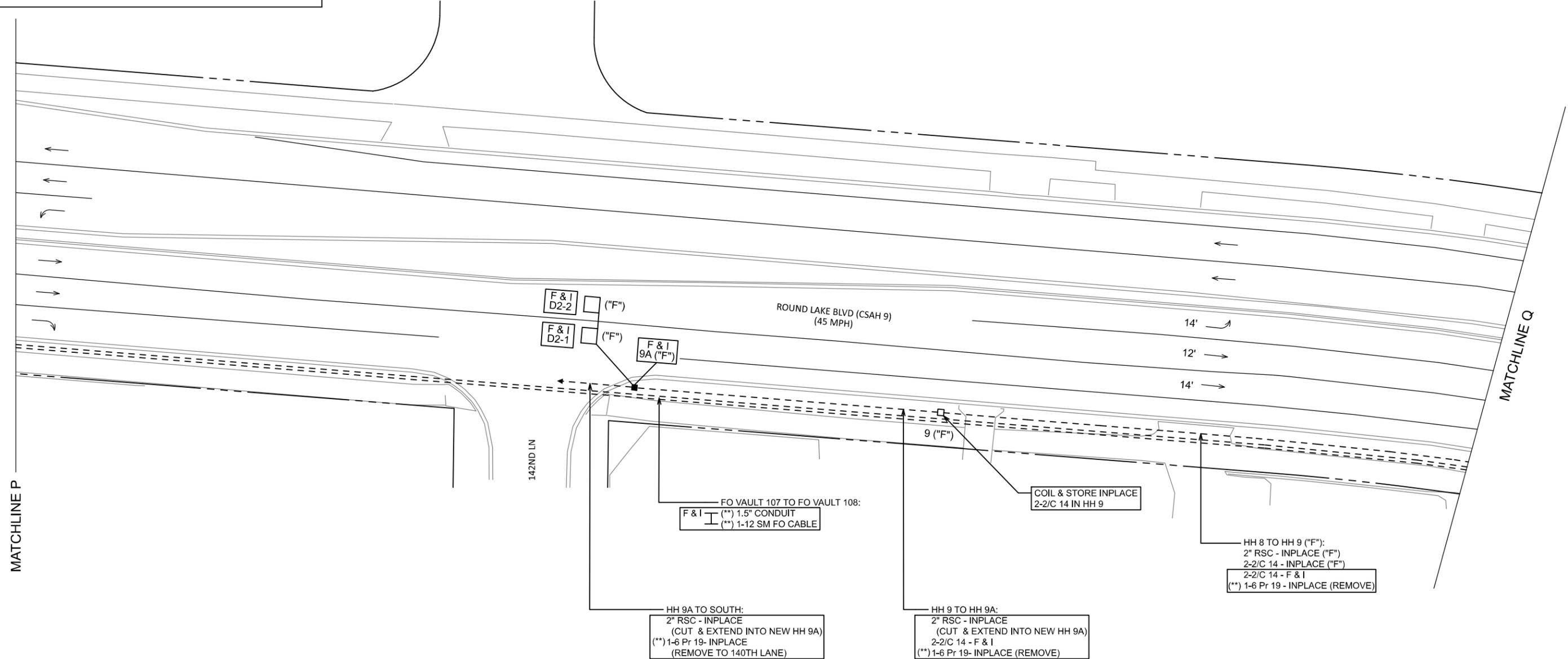
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INTERCONNECT NOTES:

- 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 NEW INTERCONNECT CONDUIT SHALL BE 1-2 FEET UNLESS OTHERWISE APPROVED BY ENGINEER.
- 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) ITEMS DENOTED BY "F" SHALL BE INCLUDED AS PART OF THE PAY ITEM FOR ITEM NO. 2565 (TRAFFIC CONTROL SIGNAL SYSTEM "F").
- 5) (F & I) DENOTES ITEMS TO BE FURNISHED AND INSTALLED BY CONTRACTOR AS PART OF THIS PROJECT.
- 6) ALL NEW INTERCONNECT CONDUIT INSTALLATIONS (UNDER ROADWAYS, SIDEWALKS, AND IN BOULEVARD AREAS) SHALL BE DIRECTIONALLY BORED UNLESS OTHERWISE APPROVED BY THE ENGINEER IN THE FIELD (DURING CONSTRUCTION) FOR A CONDUIT SECTION TO BE TRENCHED-IN DUE TO UTILITY OR OTHER CONFLICTS THAT WILL NOT ALLOW FOR A CONDUIT SECTION TO BE BORED. TURF ESTABLISHMENT (INCLUDING GRADING AND RESTORATION) SHALL ALSO BE PROVIDED FOR ALL CONDUIT INSTALLATION AREAS IN THE BOULEVARDS (INCIDENTAL).



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ANOKA COUNTY, MN
CSAH 9
SAP 002-609-023
CITY OF ANDOVER SAP 198-020-042, CITY PROJECT 25-13
CITY OF ANOKA SAP 103-020-020

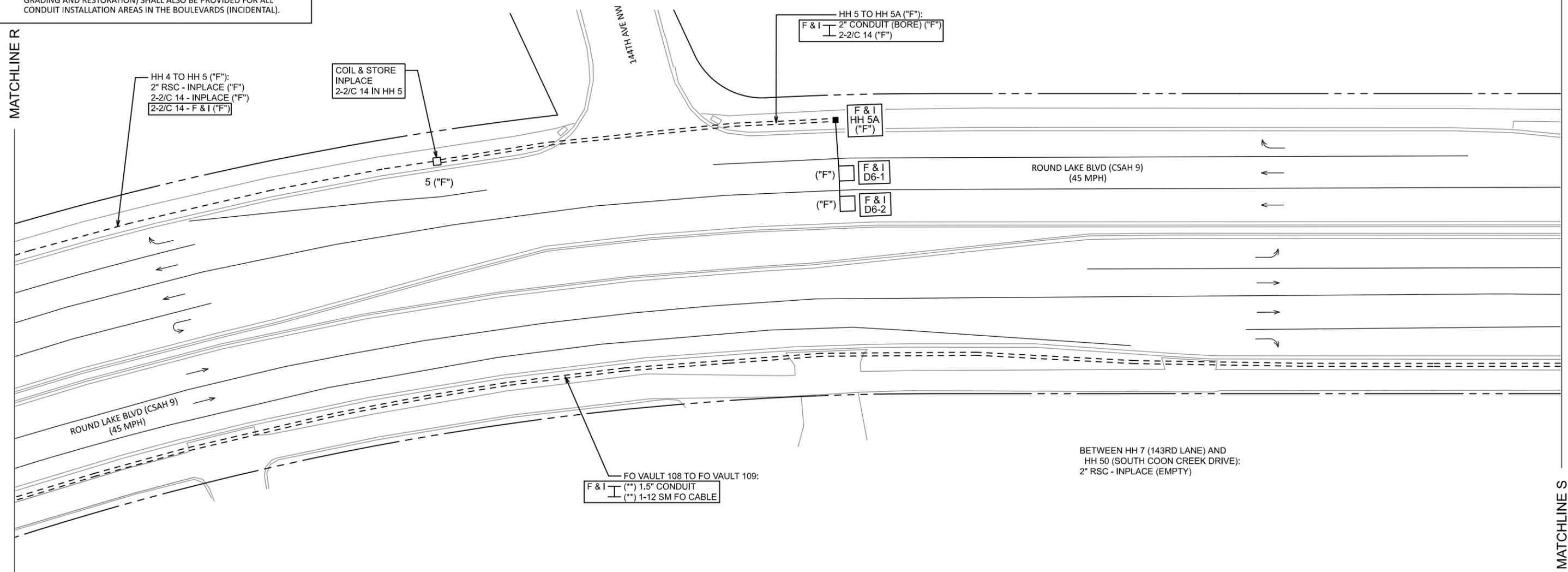
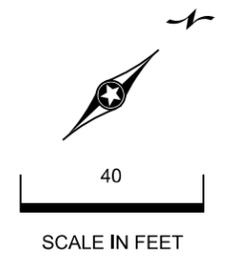
REVISE SIGNAL SYSTEM "F"
INTERSECTION LAYOUT AND INTERCONNECT
CSAH 9 (ROUND LAKE BOULEVARD) AT 143RD AVENUE

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 - 4) ITEMS DENOTED BY "F" SHALL BE INCLUDED AS PART OF THE PAY ITEM FOR ITEM NO. 2565 (TRAFFIC CONTROL SIGNAL SYSTEM "F").
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ANOKA COUNTY, MN
CSAH 9
 SAP 002-609-023
 CITY OF ANDOVER SAP 198-020-042, CITY PROJECT 25-13
 CITY OF ANOKA SAP 103-020-020

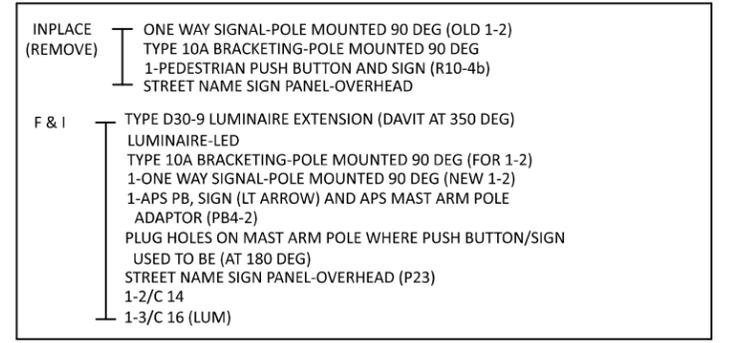
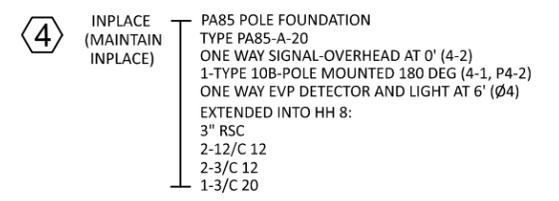
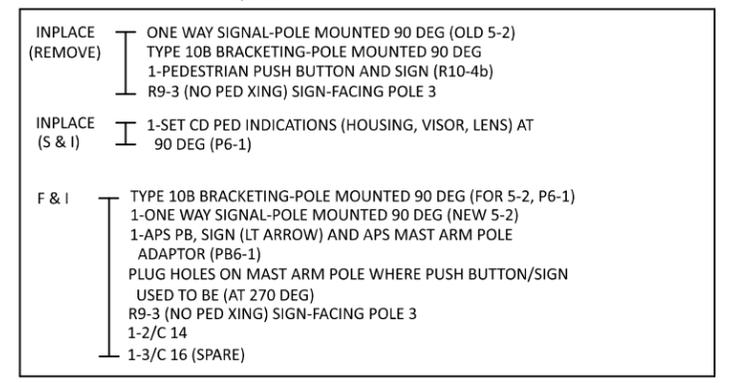
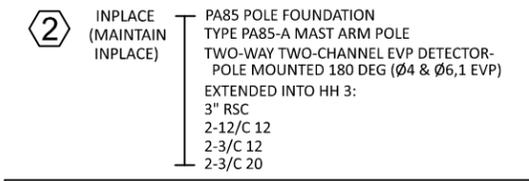
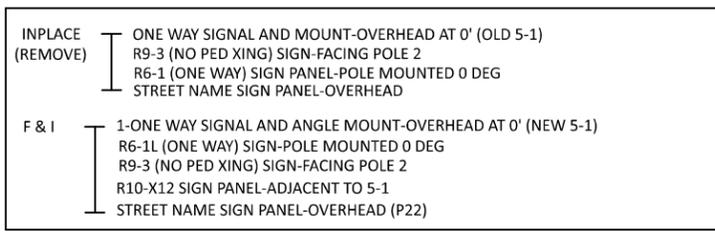
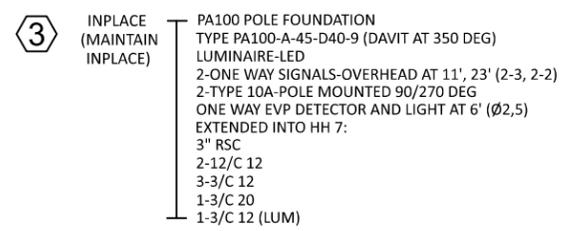
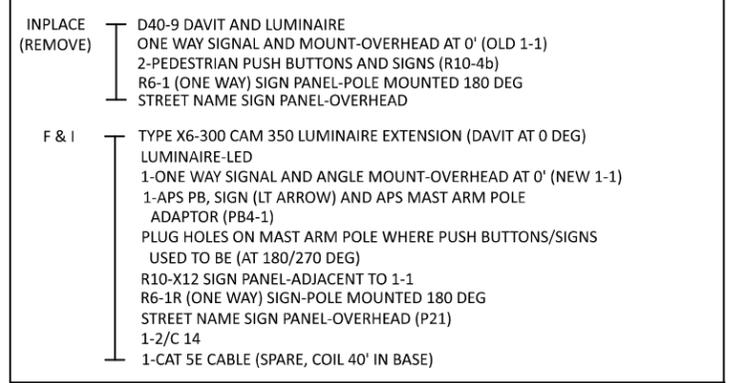
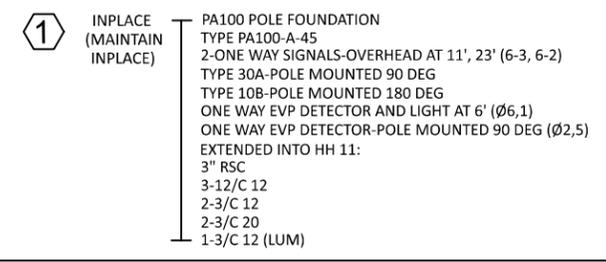
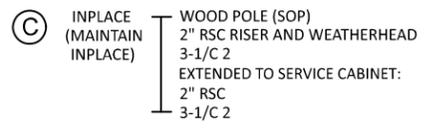
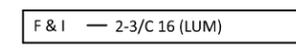
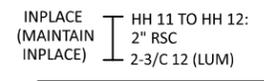
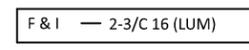
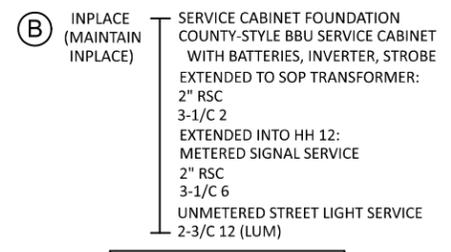
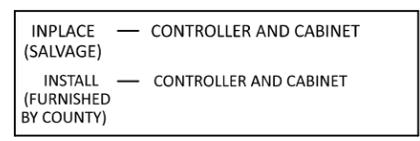
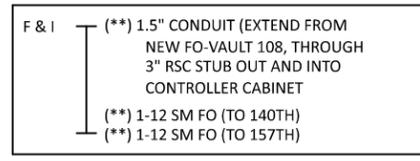
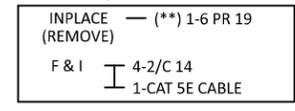
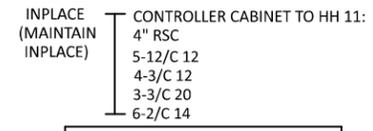
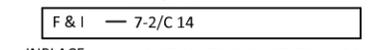
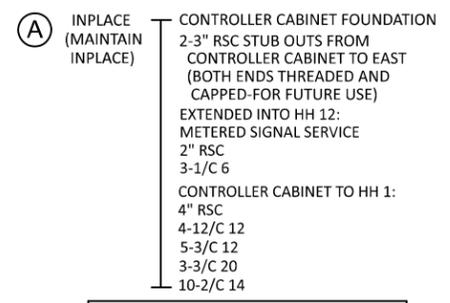
REVISE SIGNAL SYSTEM "F"
 INTERSECTION LAYOUT AND INTERCONNECT
 CSAH 9 (ROUND LAKE BOULEVARD) AT 143RD AVENUE

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- NOTES:**
- LOCATION OF NEW LOOP DETECTORS AND PUSH BUTTON STATIONS SHALL BE DETERMINED IN FIELD BY THE ENGINEER.
 - SEE SPECIAL PROVISIONS FOR COUNTY FURNISHED MATERIALS.
 - ALL ITEMS OF THIS SIGNAL SYSTEM ARE INPLACE AND SHALL BE REUSED AND MAINTAINED INPLACE, UNLESS OTHERWISE NOTED ON THE PLANS.
 - ALL HANDHOLES ARE PVC HANDHOLES WITH METAL FRAMES AND COVERS AND ARE INPLACE (REUSE AND MAINTAIN INPLACE), EXCEPT AS FOLLOWS:
 - ADJUST HANDHOLE FRAME, RING, AND COVER FOR HANDHOLES 1 AND 3 TO FINISHED SURROUNDING GRADE AFTER ALL CURB RAMP WORK IS COMPLETED (TO BE MEASURED AND PAID FOR SEPARATELY FROM "REVISE SIGNAL SYSTEM F" PAY ITEM).
 - FURNISH AND INSTALL NEW HANDHOLES 5A AND 9A (SEE SPECIAL PROVISIONS - INCIDENTAL TO "REVISE SIGNAL SYSTEM F" PAY ITEM).
 - ALL PEDESTRIAN SIGNAL HEADS ARE ONE-SECTION LED "HAND/WALKING PERSON" COUNTDOWN TIMER INDICATIONS AND SHALL REMAIN AND BE REUSED INPLACE AS SHOWN IN THE PLANS.
 - ALL LOOP DETECTORS SHALL BE NEW LOOP DETECTORS IN PVC (EXCEPT FOR INPLACE LOOP DETECTORS D4-1 AND D4-2) PER DETAILS INCLUDED ELSEWHERE IN THE PLANS. LOOP DETECTOR WIRES SHALL BE CROSS-LINKED POLY-ETHYLENE (XLP) #12 AWG IN 3/4-INCH PVC. SEE SPECIAL PROVISIONS.
 - ANY DAMAGE TO INPLACE TRAFFIC SIGNAL FACILITIES (CONDUIT, CABLES, HANDHOLES, SIGNAL POLES, ETC.), DUE TO TRAFFIC SIGNAL REVISION 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 NEW VEHICULAR SIGNAL HEADS SHALL HAVE BACKGROUND SHIELDS FURNISHED & INSTALLED BY CONTRACTOR. ALL INPLACE VEHICULAR SIGNAL HEADS BEING REUSED AS PART OF REVISE SIGNAL SYSTEM "F" HAVE BACKGROUND SHIELDS (REUSE AND MAINTAIN INPLACE).
 - SEE SPECIAL PROVISIONS & DETAILS REGARDING SIGNS TO BE FURNISHED AND INSTALLED BY CONTRACTOR (TO BE MEASURED AND PAID FOR SEPARATELY FROM THE "REVISE SIGNAL SYSTEM F" PAY ITEM).
 - F & I = NEW, FURNISH AND INSTALL.
 S & I = INPLACE, SALVAGE AND INSTALL.
 - (**) DENOTES ITEMS TO BE FURNISHED AND INSTALLED BY CONTRACTOR UNDER ITEM NO. 2565 (TRAFFIC CONTROL INTERCONNECT). SEE STATEMENT OF ESTIMATED QUANTITIES AND SPECIAL PROVISIONS.
 - ALL NEW VEHICULAR SIGNAL HOUSINGS, BACKGROUND SHIELDS AND VISORS SHALL BE FABRICATED USING BLACK POLYCARBONATE MATERIALS. SEE SPECIAL PROVISIONS.



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

John M. Gray
 Printed Name: JOHN M. GRAY
 License No. 22457 Date: 09/23/2025

ANOKA COUNTY, MN
 CSAH 9
 SAP 002-609-023
 CITY OF ANDOVER SAP 198-020-042, CITY PROJECT 25-13
 CITY OF ANOKA SAP 103-020-020

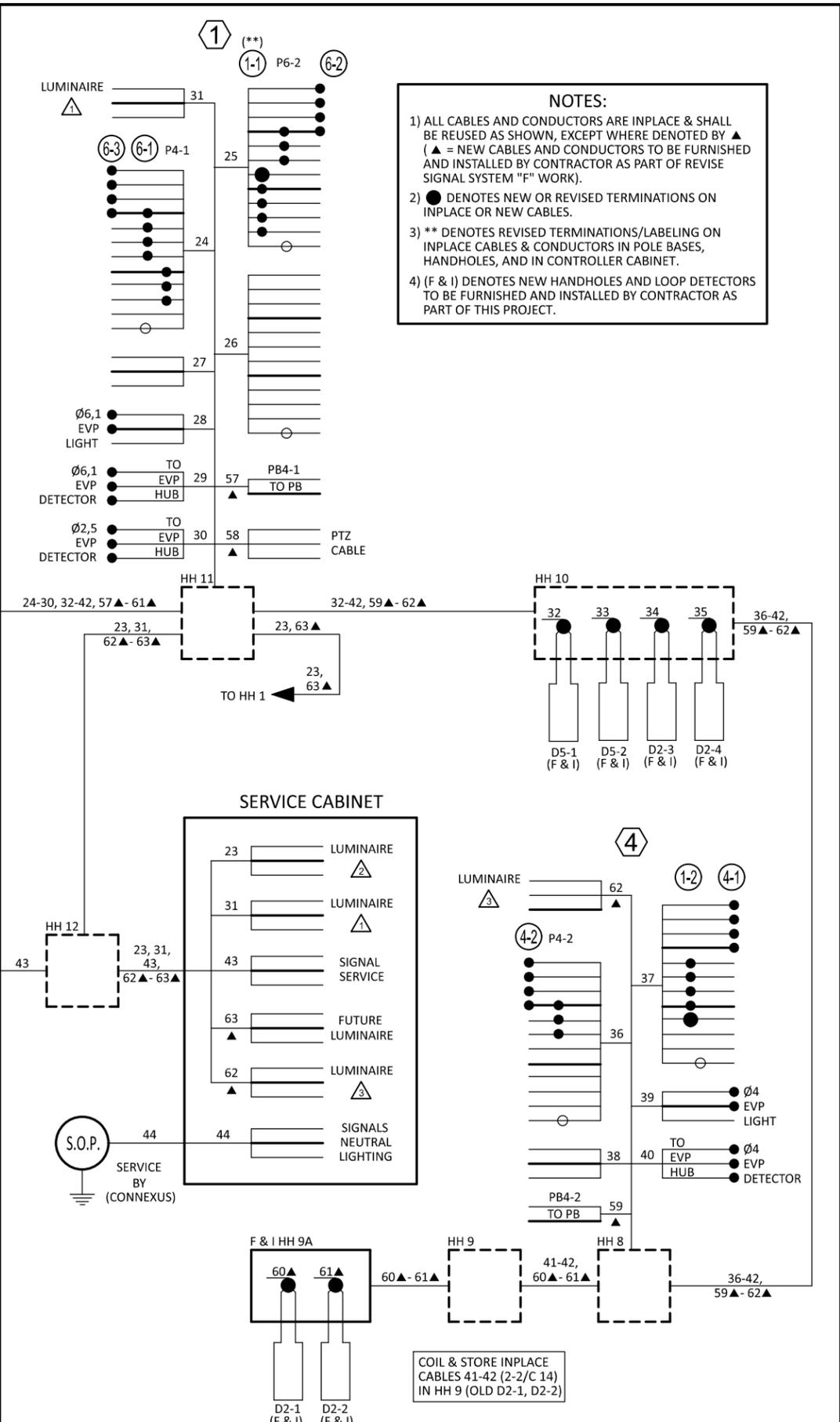
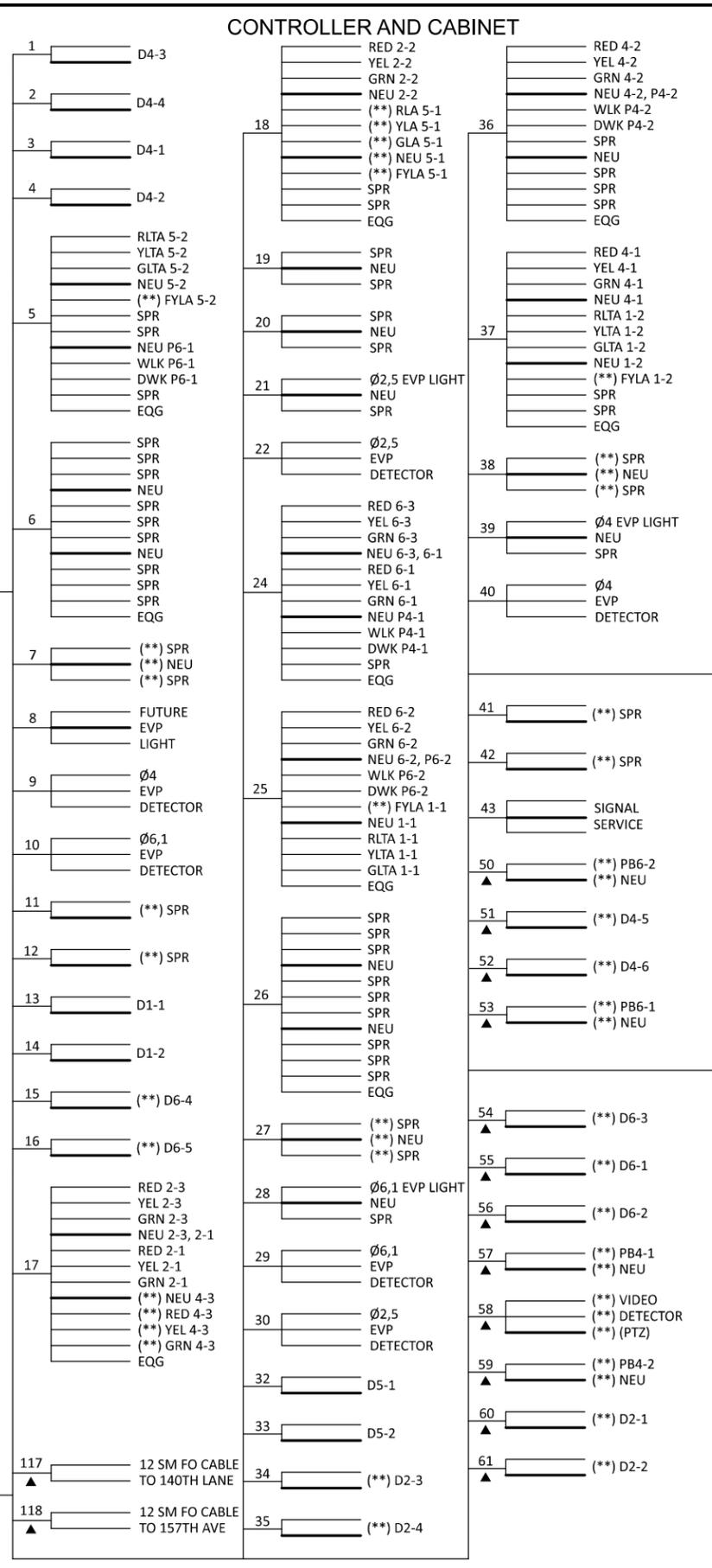
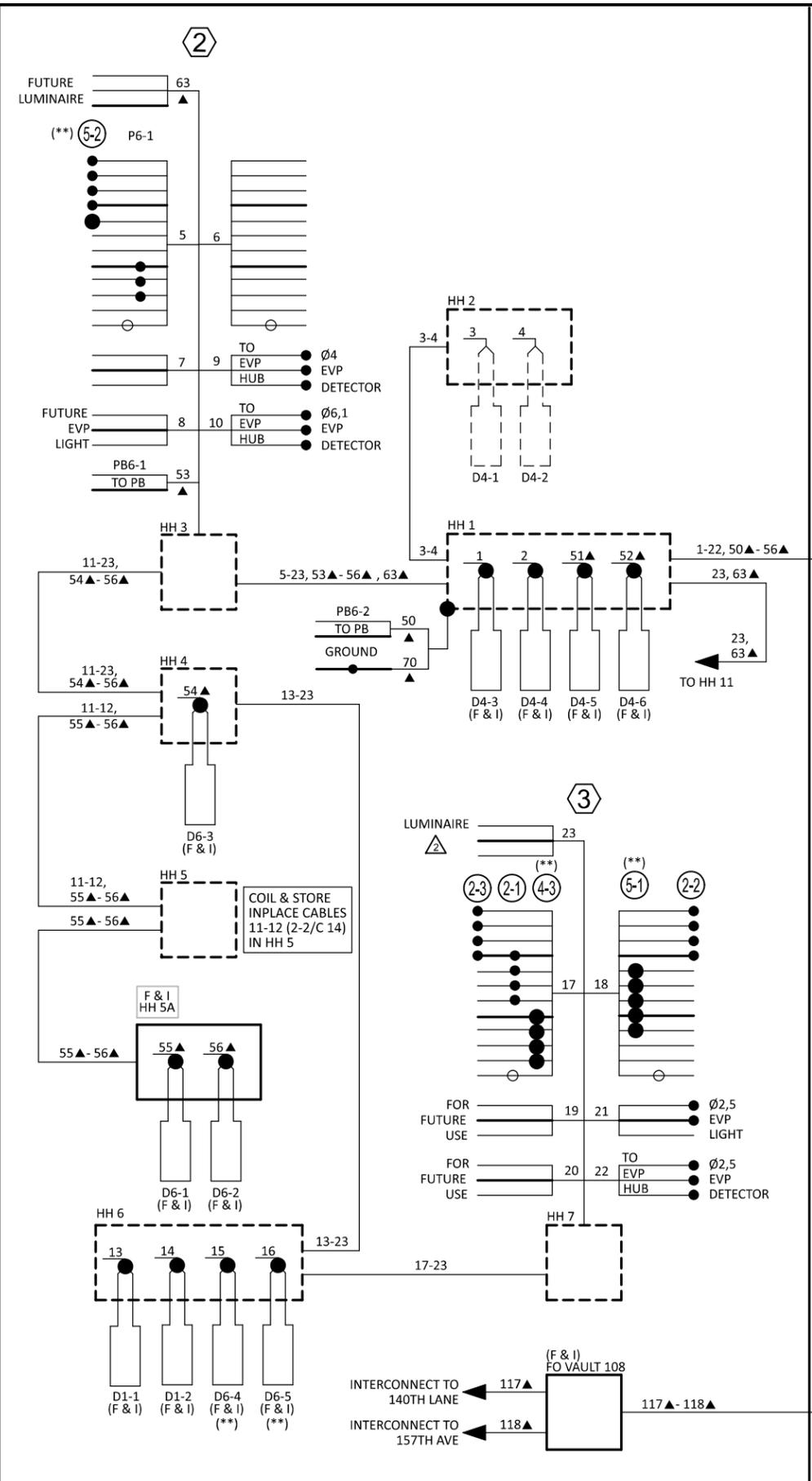


REVISE SIGNAL SYSTEM "F"
 POLE & CABINET NOTES
 CSAH 9 (ROUND LAKE BOULEVARD) AT 143RD AVENUE

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NOTES:

- 1) ALL CABLES AND CONDUCTORS ARE INPLACE & SHALL BE REUSED AS SHOWN, EXCEPT WHERE DENOTED BY ▲ (▲ = NEW CABLES AND CONDUCTORS TO BE FURNISHED AND INSTALLED BY CONTRACTOR AS PART OF REVISE SIGNAL SYSTEM "F" WORK).
- 2) ● DENOTES NEW OR REVISED TERMINATIONS ON INPLACE OR NEW CABLES.
- 3) ** DENOTES REVISED TERMINATIONS/LABELING ON INPLACE CABLES & CONDUCTORS IN POLE BASES, HANDHOLES, AND IN CONTROLLER CABINET.
- 4) (F & I) DENOTES NEW HANDHOLES AND LOOP DETECTORS TO BE FURNISHED AND INSTALLED BY CONTRACTOR AS PART OF THIS PROJECT.

DESIGN TEAM	NO.	BY	DATE	REVISIONS
DRAWN BY: MRB				
DESIGNER: MRB				
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ANOKA COUNTY, MN
 CSAH 9
 SAP 002-609-023
 CITY OF ANDOVER SAP 198-020-042, CITY PROJECT 25-13
 CITY OF ANOKA SAP 103-020-020

REVISE SIGNAL SYSTEM "F"
 FIELD WIRING DIAGRAM
 CSAH 9 (ROUND LAKE BOULEVARD) AT 143RD AVENUE

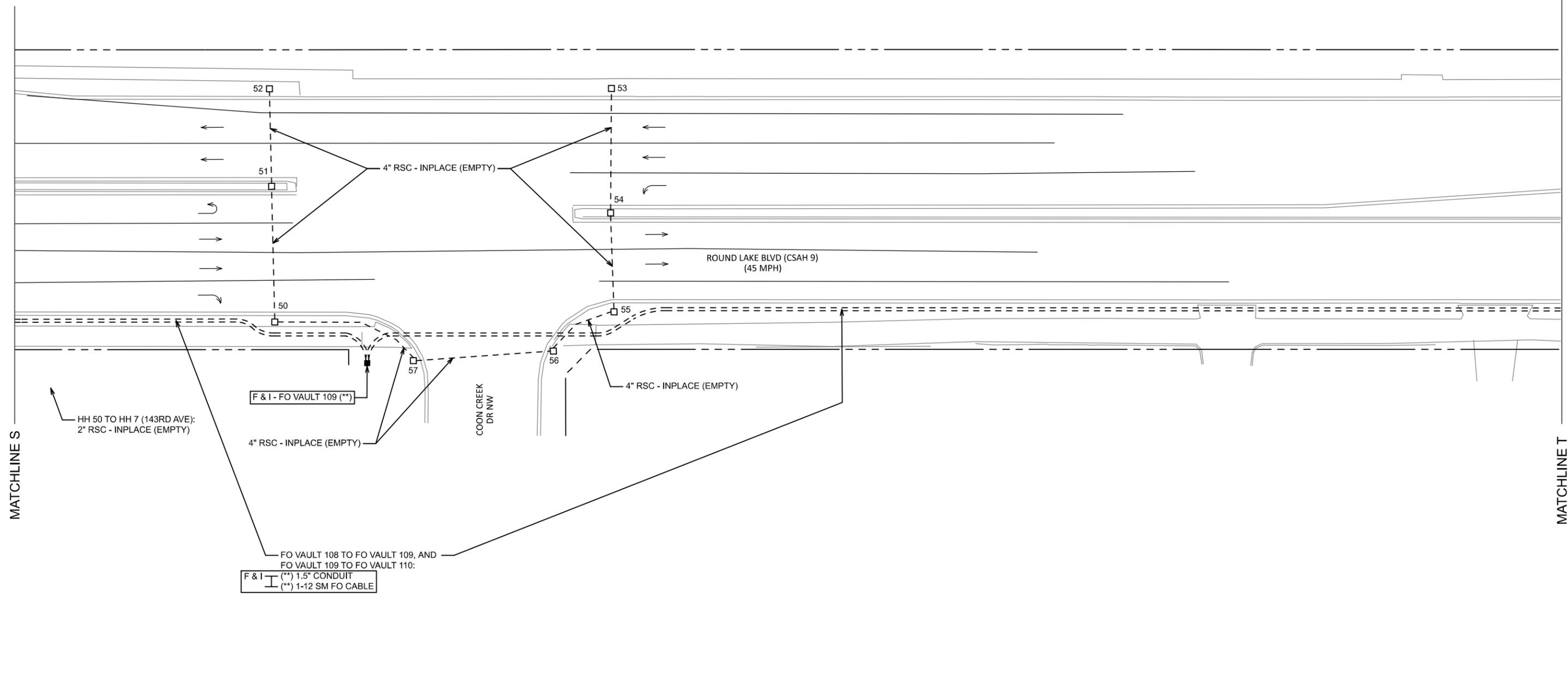
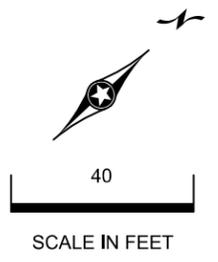
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- INTERCONNECT NOTES:**
- 1) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO UTILIZE THE "ONE CALL EXCAVATION NOTICE SYSTEM" (TELEPHONE NUMBER 651-454-0002) AS REQUIRED BY MINNESOTA STATUTE 2160.
 - 2) DISTANCE OFF SHOULDER OR CURB FOR NEW INTERCONNECT CONDUIT SHALL BE 1-2 FEET UNLESS OTHERWISE APPROVED BY ENGINEER.
 - 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) HANDHOLES 50-57 AND 4" RSC BETWEEN THESE HANDHOLES SHOWN ON THE PLAN ARE INPLACE AND SHALL BE MAINTAINED INPLACE.
 - 5) (F & I) DENOTES ITEMS TO BE FURNISHED AND INSTALLED BY CONTRACTOR AS PART OF THIS PROJECT.
 - 6) ALL NEW INTERCONNECT CONDUIT INSTALLATIONS (UNDER ROADWAYS, SIDEWALKS, AND IN BOULEVARD AREAS) SHALL BE DIRECTIONALLY BORED UNLESS OTHERWISE APPROVED BY THE ENGINEER IN THE FIELD (DURING CONSTRUCTION) FOR A CONDUIT SECTION TO BE TRENCHED-IN DUE TO UTILITY OR OTHER CONFLICTS THAT WILL NOT ALLOW FOR A CONDUIT SECTION TO BE BORED. TURF ESTABLISHMENT (INCLUDING GRADING AND RESTORATION) SHALL ALSO BE PROVIDED FOR ALL CONDUIT INSTALLATION AREAS IN THE BOULEVARDS (INCIDENTAL).



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ANOKA COUNTY, MN
CSAH 9
 SAP 002-609-023
 CITY OF ANDOVER SAP 198-020-042, CITY PROJECT 25-13
 CITY OF ANOKA SAP 103-020-020

TRAFFIC SIGNAL INTERCONNECT
 INTERCONNECT
 CSAH 9 (ROUND LAKE BOULEVARD) BETWEEN 143RD AVENUE AND 157TH AVE

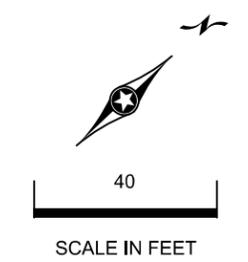
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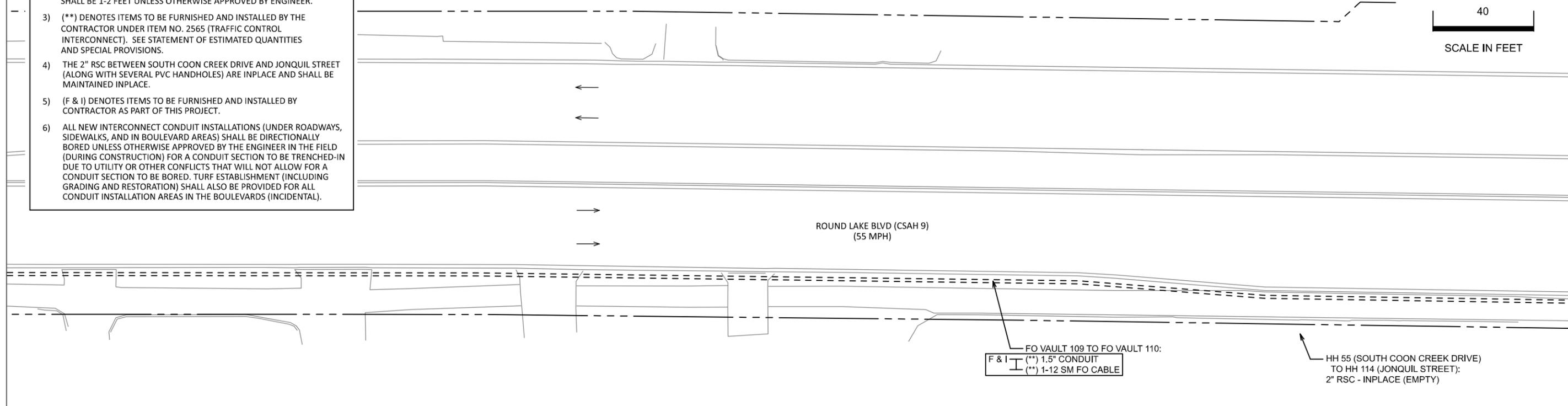
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 - 2) DISTANCE OFF SHOULDER OR CURB FOR NEW INTERCONNECT CONDUIT SHALL BE 1-2 FEET UNLESS OTHERWISE APPROVED BY ENGINEER.
 - 3) (**) DENOTES ITEMS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNDER ITEM NO. 2565 (TRAFFIC CONTROL INTERCONNECT). SEE STATEMENT OF ESTIMATED QUANTITIES AND SPECIAL PROVISIONS.
 - 4) THE 2" RSC BETWEEN SOUTH COON CREEK DRIVE AND JONQUIL STREET (ALONG WITH SEVERAL PVC HANDHOLES) ARE INPLACE AND SHALL BE MAINTAINED INPLACE.
 - 5) (F & I) DENOTES ITEMS TO BE FURNISHED AND INSTALLED BY CONTRACTOR AS PART OF THIS PROJECT.
 - 6) ALL NEW INTERCONNECT CONDUIT INSTALLATIONS (UNDER ROADWAYS, SIDEWALKS, AND IN BOULEVARD AREAS) SHALL BE DIRECTIONALLY BORED UNLESS OTHERWISE APPROVED BY THE ENGINEER IN THE FIELD (DURING CONSTRUCTION) FOR A CONDUIT SECTION TO BE TRENCHED-IN DUE TO UTILITY OR OTHER CONFLICTS THAT WILL NOT ALLOW FOR A CONDUIT SECTION TO BE BORED. TURF ESTABLISHMENT (INCLUDING GRADING AND RESTORATION) SHALL ALSO BE PROVIDED FOR ALL CONDUIT INSTALLATION AREAS IN THE BOULEVARDS (INCIDENTAL).



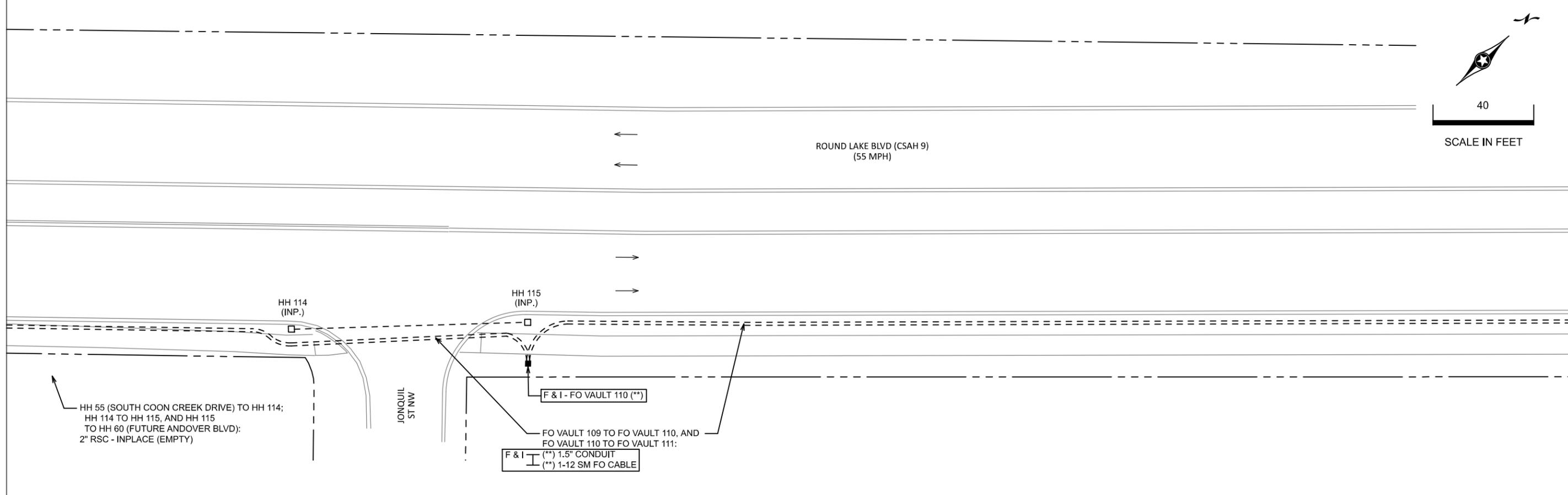
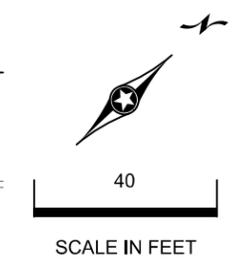
MATCHLINE T

MATCHLINE U



MATCHLINE U

MATCHLINE V



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

John M. Gray
 Printed Name: JOHN M. GRAY
 License No. 22457 Date: 09/23/2025



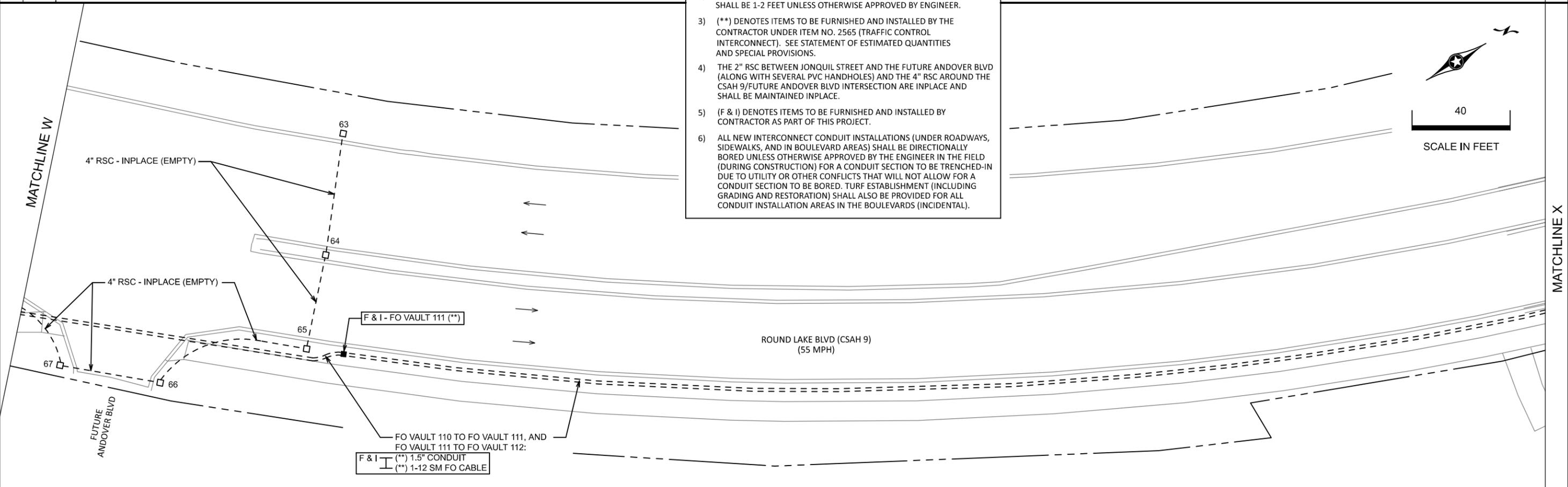
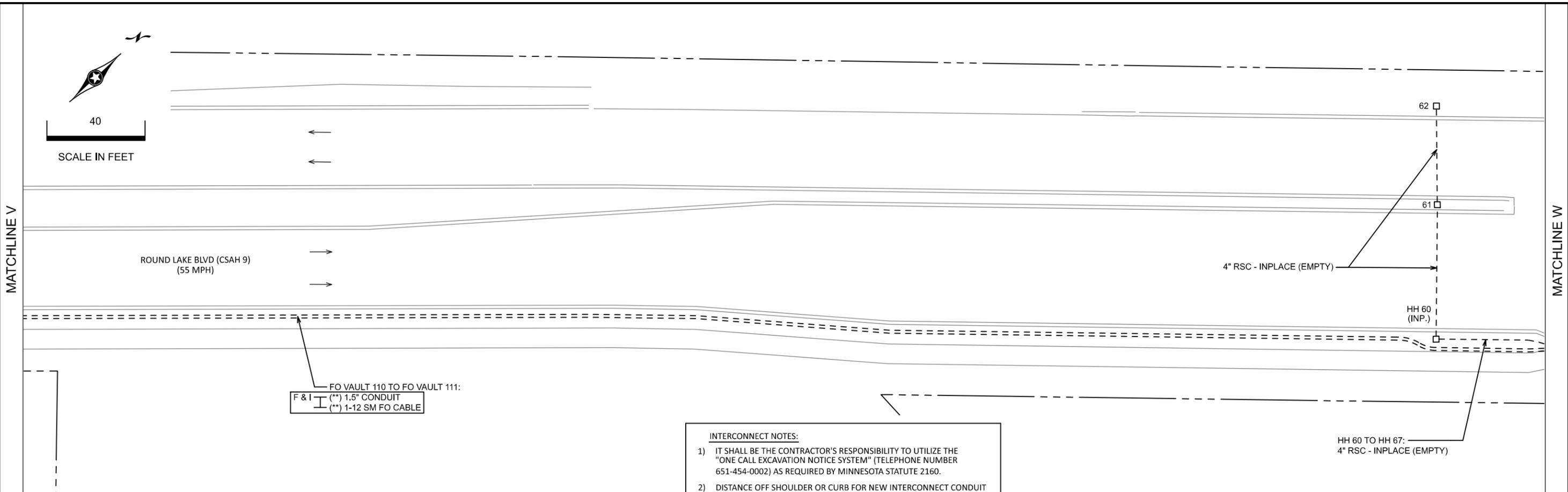
ANOKA COUNTY, MN
 CSAH 9
 SAP 002-609-023
 CITY OF ANDOVER SAP 198-020-042, CITY PROJECT 25-13
 CITY OF ANOKA SAP 103-020-020

TRAFFIC SIGNAL INTERCONNECT
 INTERCONNECT
 CSAH 9 (ROUND LAKE BOULEVARD) BETWEEN 143RD AVENUE AND 157TH AVE

1:39:37 PM

9/25/2025

FILE: X:\AE\ANOKA\181692\5-final-dsgn\51-drawings\40-TransHWY\Plansheets\CT181692_sgl_Sheets.dgn
MODEL: sgl41



INTERCONNECT NOTES:

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- 4) THE 2" RSC BETWEEN JONQUIL STREET AND THE FUTURE ANDOVER BLVD (ALONG WITH SEVERAL PVC HANDHOLES) AND THE 4" RSC AROUND THE CSAH 9/FUTURE ANDOVER BLVD INTERSECTION ARE INPLACE AND SHALL BE MAINTAINED INPLACE.
- 5) (F & I) DENOTES ITEMS TO BE FURNISHED AND INSTALLED BY CONTRACTOR AS PART OF THIS PROJECT.
- 6) ALL NEW INTERCONNECT CONDUIT INSTALLATIONS (UNDER ROADWAYS, SIDEWALKS, AND IN BOULEVARD AREAS) SHALL BE DIRECTIONALLY BORED UNLESS OTHERWISE APPROVED BY THE ENGINEER IN THE FIELD (DURING CONSTRUCTION) FOR A CONDUIT SECTION TO BE TRENCHED-DUE TO UTILITY OR OTHER CONFLICTS THAT WILL NOT ALLOW FOR A CONDUIT SECTION TO BE BORED. TURF ESTABLISHMENT (INCLUDING GRADING AND RESTORATION) SHALL ALSO BE PROVIDED FOR ALL CONDUIT INSTALLATION AREAS IN THE BOULEVARDS (INCIDENTAL).

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DRAWN BY: MRB				
DESIGNER: MRB				
CHECKED BY: JMG				

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John M. Gray
 Printed Name: JOHN M. GRAY
 License No. 22457 Date: 09/23/2025

ANOKA COUNTY, MN
CSAH 9
 SAP 002-609-023
 CITY OF ANDOVER SAP 198-020-042, CITY PROJECT 25-13
 CITY OF ANOKA SAP 103-020-020



TRAFFIC SIGNAL INTERCONNECT
 INTERCONNECT
 CSAH 9 (ROUND LAKE BOULEVARD) BETWEEN 143RD AVENUE AND 157TH AVE

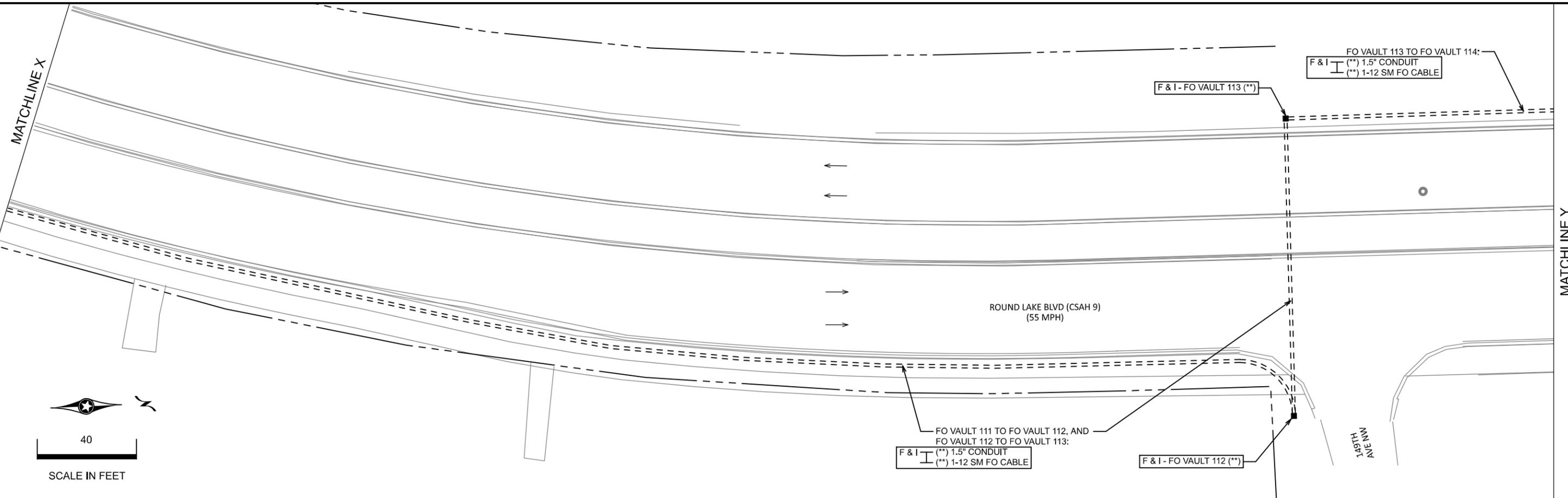
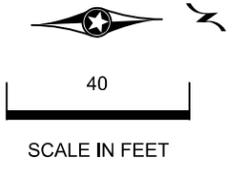
128
133

1:39:38 PM

9/25/2025

MATCHLINE X

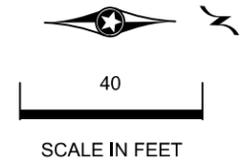
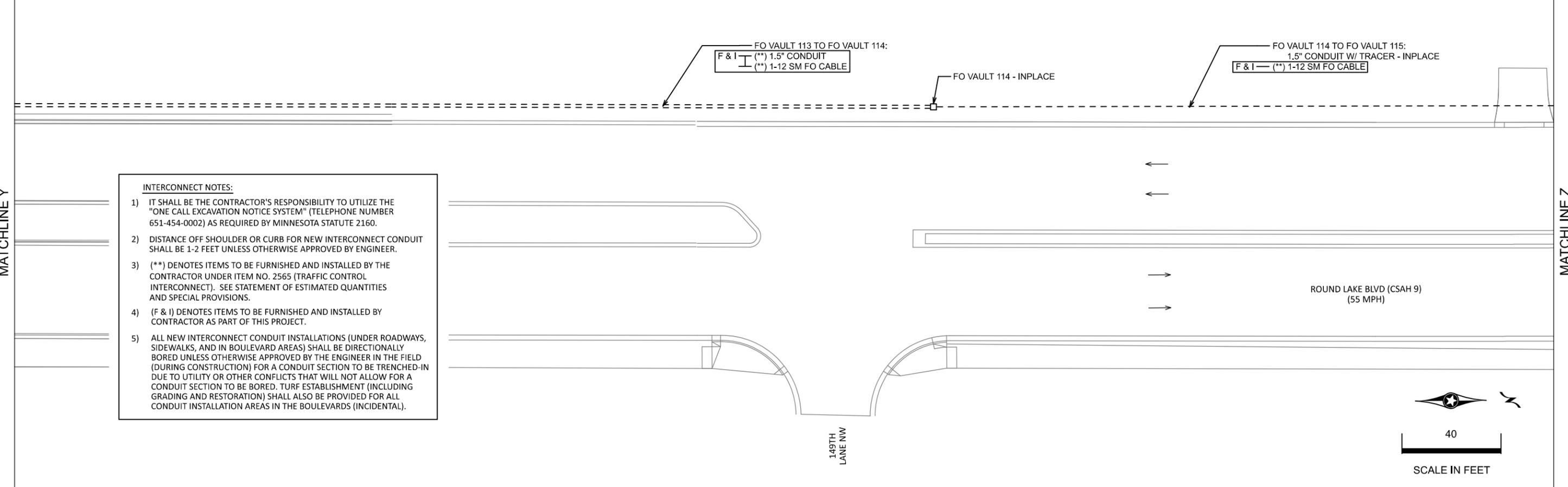
MATCHLINE Y



MATCHLINE Y

MATCHLINE Z

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

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John M. Gray
Printed Name: JOHN M. GRAY
Lic. No. 22457 Date: 09/23/2025

ANOKA COUNTY, MN
CSAH 9
SAP 002-609-023
CITY OF ANDOVER SAP 198-020-042, CITY PROJECT 25-13
CITY OF ANOKA SAP 103-020-020

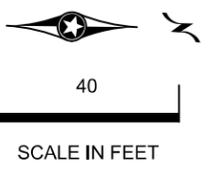
TRAFFIC SIGNAL INTERCONNECT
INTERCONNECT
CSAH 9 (ROUND LAKE BOULEVARD) BETWEEN 143RD AVENUE AND 157TH AVE

129
133

1:39:40 PM

9/25/2025

FILE: X:\AE\ANOKA\181692\5-final-dsgn\51-drawings\40-TransHwy\Plansheets\CT181692_sgl_Sheets.dgn
MODEL: sgl43



MATCHLINE Z

MATCHLINE AA

MATCHLINE AA

MATCHLINE BB

FO VAULT 114 TO FO VAULT 115:
1.5" CONDUIT W/ TRACER - INPLACE
F & I (**) 1-12 SM FO CABLE

ROUND LAKE BLVD (CSAH 9)
(55 MPH)

150TH LN NW

152ND LN NW

FO VAULT 114 TO FO VAULT 115, AND
FO VAULT 115 TO FO VAULT 116:
1.5" CONDUIT W/ TRACER - INPLACE
F & I (**) 1-12 SM FO CABLE

FO VAULT 115 - INPLACE

ROUND LAKE BLVD (CSAH 9)
(55 MPH)

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ANOKA COUNTY, MN
CSAH 9
SAP 002-609-023
CITY OF ANDOVER SAP 198-020-042, CITY PROJECT 25-13
CITY OF ANOKA SAP 103-020-020

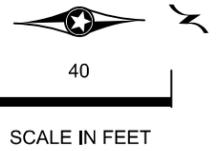
TRAFFIC SIGNAL INTERCONNECT
INTERCONNECT
CSAH 9 (ROUND LAKE BOULEVARD) BETWEEN 143RD AVENUE AND 157TH AVE

130
133

1:39:41 PM

9/25/2025

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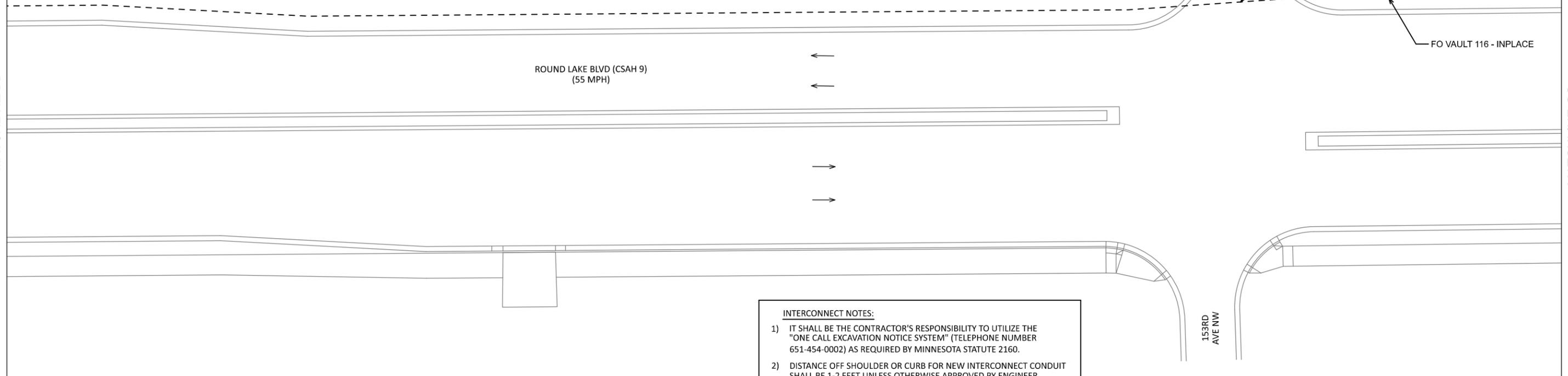


MATCHLINE BB

MATCHLINE CC

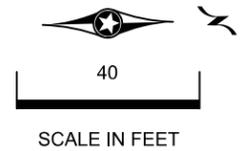
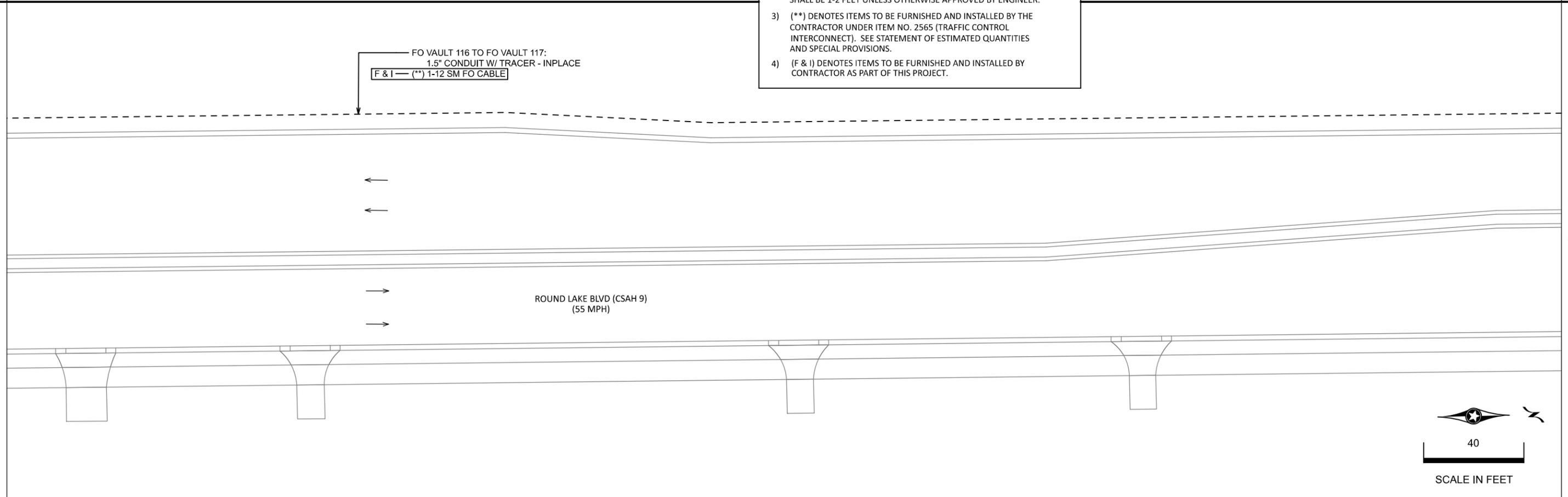
MATCHLINE CC

MATCHLINE DD



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ANOKA COUNTY, MN
 CSAH 9
 SAP 002-609-023
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 CITY OF ANOKA SAP 103-020-020

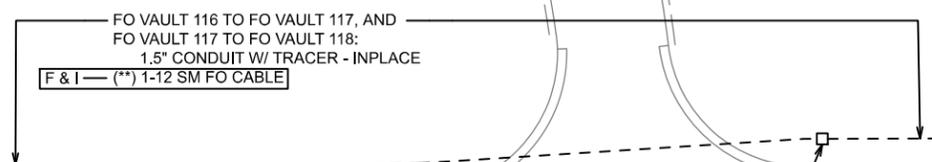
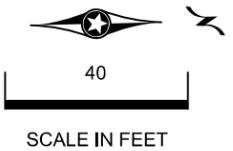
TRAFFIC SIGNAL INTERCONNECT
 INTERCONNECT
 CSAH 9 (ROUND LAKE BOULEVARD) BETWEEN 143RD AVENUE AND 157TH AVE

131
 133

1:39:42 PM

9/25/2025

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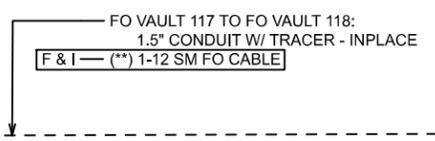


FO VAULT 117 - INPLACE

MATCHLINE DD

MATCHLINE EE

- INTERCONNECT NOTES:**
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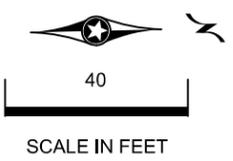
156TH AVE NW

154TH LN NW

MATCHLINE EE

MATCHLINE FF

ROUND LAKE BLVD (CSAH 9)
(55 MPH)



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

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John M. Gray
Printed Name: JOHN M. GRAY
Certified By: Licensed Professional Engineer Lic. No. 22457 Date: 09/23/2025



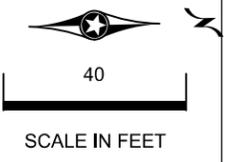
ANOKA COUNTY, MN
CSAH 9
SAP 002-609-023
CITY OF ANDOVER SAP 198-020-042, CITY PROJECT 25-13
CITY OF ANOKA SAP 103-020-020

TRAFFIC SIGNAL INTERCONNECT
INTERCONNECT
CSAH 9 (ROUND LAKE BOULEVARD) BETWEEN 143RD AVENUE AND 157TH AVE

132
133

1:39:43 PM

9/25/2025



FO VAULT 117 TO FO VAULT 118:
1.5" CONDUIT W/ TRACER - INPLACE
F & I (***) 1-12 SM FO CABLE

MATCHLINE FF

MATCHLINE GG

ROUND LAKE BLVD (CSAH 9)
(55 MPH)



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FILE: X:\AE\ANOKA\181692\5-final-dsgn\51-drawings\40-TransHwy\Plansheets\CTI181692_sgl_Sheets.dgn
MODEL: sgl46

MATCHLINE GG

FO VAULT 117 TO FO VAULT 118, AND
FO VAULT 118 TO CONTROLLER CABINET:
1.5" CONDUIT W/ TRACER - INPLACE
F & I (***) 1-12 SM FO CABLE

INPLACE CONTROLLER CABINET

FO VAULT 118 - INPLACE

157TH AVE NW
(50 MPH)

ROUND LAKE BLVD (CSAH 9)
(55 MPH)



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DESIGNER: MRB				
CHECKED BY: JMG				

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ANOKA COUNTY, MN
CSAH 9
SAP 002-609-023
CITY OF ANDOVER SAP 198-020-042, CITY PROJECT 25-13
CITY OF ANOKA SAP 103-020-020

TRAFFIC SIGNAL INTERCONNECT
INTERCONNECT
CSAH 9 (ROUND LAKE BOULEVARD) BETWEEN 143RD AVENUE AND 157TH AVE