

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

1 = REMOVE INPLACE OVERHEAD 3-SECTION SIGNAL AND F&I NEW OVERHEAD 4-SECTION SIGNAL ON END OF EXISTING MAST ARM
 2 = REMOVE INPLACE POLE MOUNTED 3-SECTION SIGNAL AND F&I NEW POLE MOUNTED 4-SECTION SIGNAL ON END OF EXISTING MAST ARM (ON NEW ONE-WAY ANGLE MOUNT)

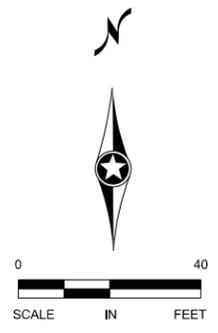
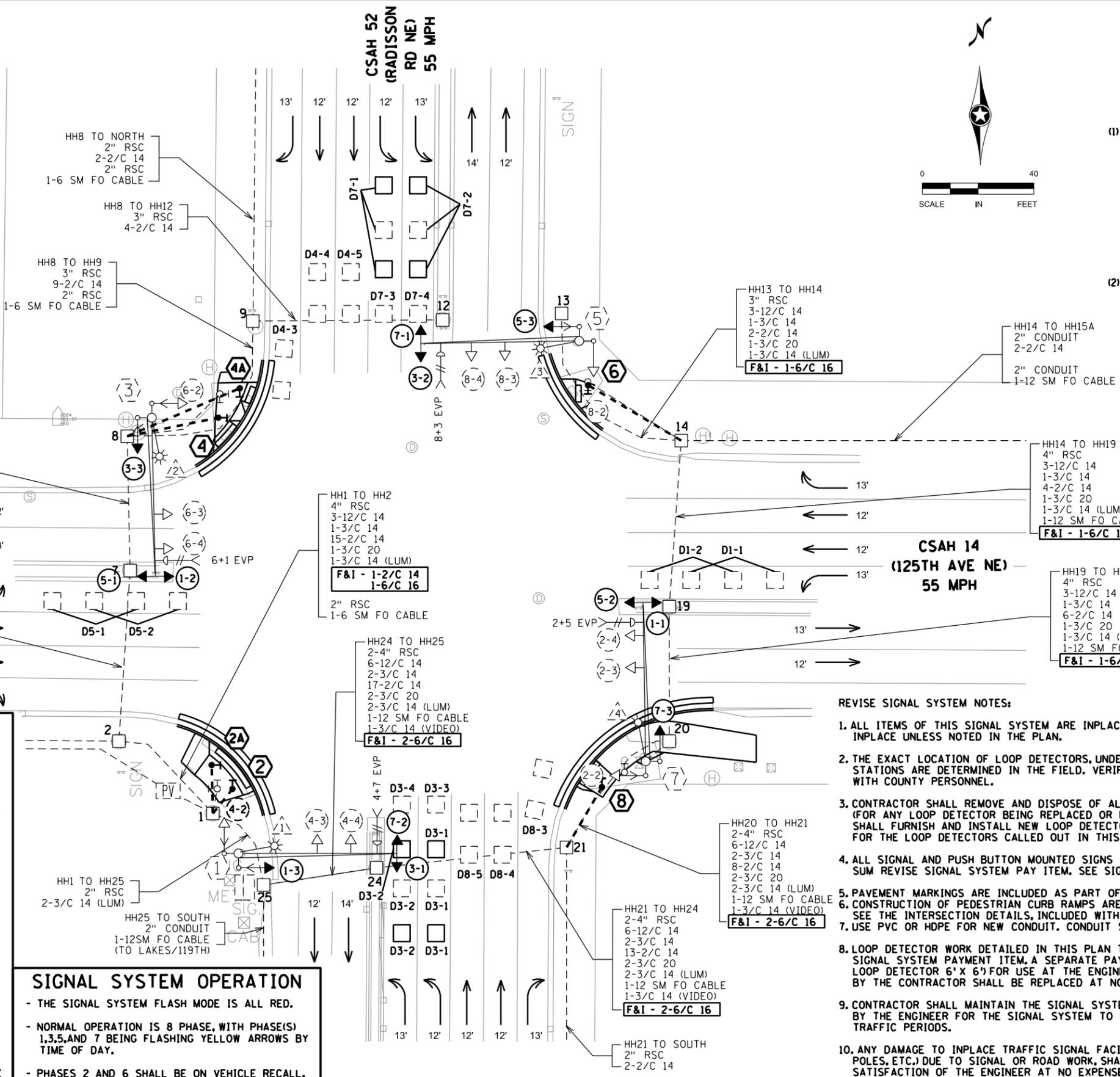
LOOP DETECTOR CHART				
NUMBER	SIZE (FT)	LOCATION	STATUS	
D1-1	2-6x6	20 & 50	INPLACE	
D1-2	2-6x6	5 & 35	INPLACE	
D2-1, D2-2	6x6	475	INPLACE	
D3-1, D3-2	2-6x6	15 & 45	F & I	(1)
D3-3, D3-4	6x6	30	INPLACE	
D4-1, D4-2	6x6	0	INPLACE	
D4-3	2-6x6	AS SHOWN	INPLACE	
D4-4, D4-5	2-6x6	5 & 20	INPLACE	
D5-1	2-6x6	20 & 50	INPLACE	
D5-2	2-6x6	5 & 35	INPLACE	
D6-1, D6-2	6x6	475	INPLACE	
D7-1, D7-2	2-6x6	15 & 45	F & I	(2)
D7-3, D7-4	6x6	30	INPLACE	
D7-3, D7-4	6x6	0	INPLACE	
D8-1, D8-2	6x6	475	INPLACE	
D8-3	2-6x6	AS SHOWN	INPLACE	
D8-4, D8-5	2-6x6	5 & 20	INPLACE	

-ALL LOOP DETECTORS SHALL BE PVC UNLESS OTHERWISE NOTED.
 -LOCATION: DISTANCE FROM THE CROSSWALK/STOP BAR IN FEET.

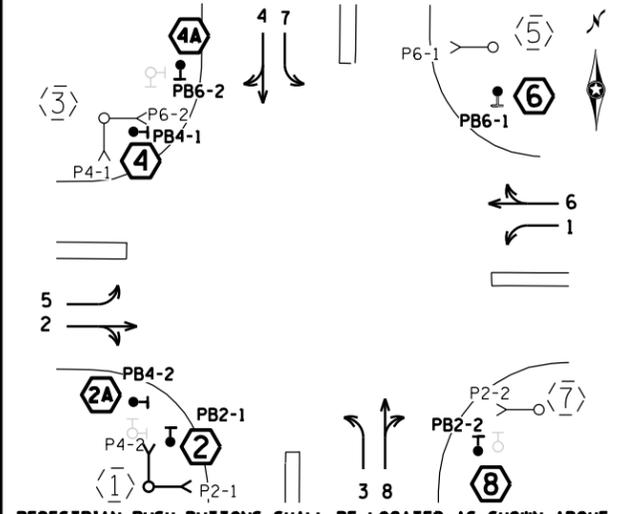
- (1) USE INPLACE EXISTING LOOPS D3-1, D3-2, D3-3, D3-4 (OLD LABELING)
 (2) INPLACE EXISTING LOOPS D7-1, D7-2, D7-3, D7-4 (OLD LABELING)

NOTES:

WHEN INSTALLING NEW LOOP DETECTORS D3-1, D3-2, D7-1, D7-2 ENSURE THAT ALL EXISTING LOOP DETECTOR CONDUITS ARE LOCATED AND PROTECTED DURING NEW LOOP INSTALLATION. ANY DAMAGE TO THESE EXISTING LOOP DETECTORS (ALL CONDUITS, WIRING, SPLICE KITS) DUE TO CONTRACTOR LOOP DETECTOR INSTALLATION WORK WILL REQUIRE THE CONTRACTOR TO FULLY REPLACE THE DAMAGED PVC LOOP DETECTORS AT NO EXPENSE TO THE COUNTY



CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS



SIGNAL SYSTEM OPERATION

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

REVISE SIGNAL SYSTEM NOTES:

1. ALL ITEMS OF THIS SIGNAL SYSTEM ARE INPLACE AND SHALL BE REUSED AND MAINTAINED INPLACE UNLESS NOTED IN THE PLAN.
2. THE EXACT LOCATION OF LOOP DETECTORS, UNDERGROUND CONDUIT, AND PUSH BUTTON STATIONS ARE DETERMINED IN THE FIELD. VERIFY THE LOCATIONS OF ALL SIGNAL COMPONENTS WITH COUNTY PERSONNEL.
3. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING LOOP DETECTOR SPLICE KITS (FOR ANY LOOP DETECTOR BEING REPLACED OR MODIFIED AS PART OF THIS PROJECT) AND SHALL FURNISH AND INSTALL NEW LOOP DETECTOR SPLICE KITS IN THE ADJACENT HANDHOLE FOR THE LOOP DETECTORS CALLED OUT IN THIS PLAN.
4. ALL SIGNAL AND PUSH BUTTON MOUNTED SIGNS ARE INCLUDED IN PAYMENT WITH THE LUMP SUM REVISE SIGNAL SYSTEM PAY ITEM. SEE SIGNING DETAIL SHEET FOR SIGNAL MOUNTED SIGNS.
5. PAVEMENT MARKINGS ARE INCLUDED AS PART OF THE STRIPING PLAN.
6. CONSTRUCTION OF PEDESTRIAN CURB RAMPS ARE INCLUDED AS PART OF THE ROADWAY PLAN. SEE THE INTERSECTION DETAILS, INCLUDED WITH THE ROADWAY PLAN, FOR INFORMATION.
7. USE PVC OR HDPE FOR NEW CONDUIT. CONDUIT SIZES ARE NOMINAL DIAMETER.
8. LOOP DETECTOR WORK DETAILED IN THIS PLAN TO BE PAID FOR UNDER THE LUMP SUM REVISE SIGNAL SYSTEM PAYMENT ITEM. A SEPARATE PAY ITEM HAS BEEN INCLUDED (2565 - RIGID PVC LOOP DETECTOR 6' X 6') FOR USE AT THE ENGINEER'S DISCRETION. ANY DAMAGE TO LOOP DETECTORS BY THE CONTRACTOR SHALL BE REPLACED AT NO CHARGE TO THE COUNTY.
9. CONTRACTOR SHALL MAINTAIN THE SIGNAL SYSTEM IN OPERATION AT ALL TIMES UNLESS APPROVED BY THE ENGINEER FOR THE SIGNAL SYSTEM TO BE PLACED INTO ALL-RED FLASH DURING NON-PEAK TRAFFIC PERIODS.
10. ANY DAMAGE TO INPLACE TRAFFIC SIGNAL FACILITIES (CONDUIT, CABLES, HANDHOLES, SIGNAL POLES, ETC.) DUE TO SIGNAL OR ROAD WORK, SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AT NO EXPENSE TO THE COUNTY.

NO	DATE	BY	CKD	APPR	REVISION
NO 1	7/16/2025	APA			LOOPS RELABELLED FOR PHASE 3 & 7 AS WIRED IN FIELD
NO 2	7/30/2025	APA			LINWEIGHTS ADJUSTED FOR IMPROVED VISIBILITY AS-BUILT DATE: 7/30/2025
NO	DATE	BY	CKD	APPR	REVISION

NAME: P:\002-652-013 ADA Upgrades\Plan\As-Built\002652013_sg01_AsBuilt_7-30-25.dgn 7/30/2025 8:12:32 AM

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.
 PRINT NAME: AARON ANDERSON
 SIGNATURE: _____
 DATE: 07/16/2025 LICENSE NO. 58657

DRAWN BY: AA DATE: 11/06/24
 DESIGN BY: AA DATE: 11/06/24
 CHECKED BY: ST DATE: 11/06/24



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 SAP 002-652-013

8:43:18 AM

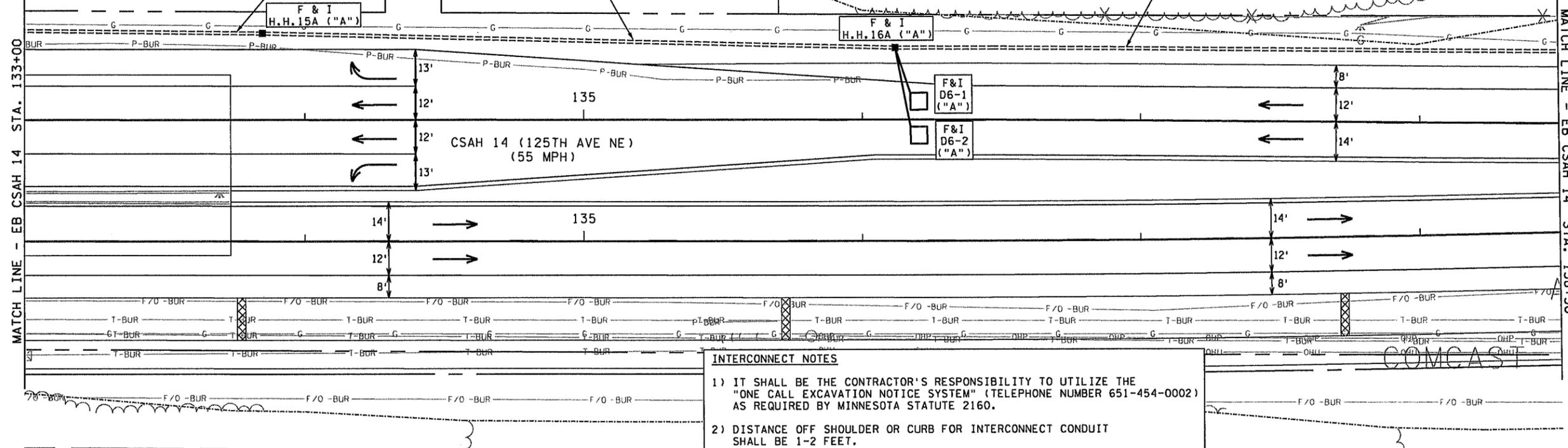
10/21/2015

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sq10

H.H.14 TO EAST:
INPLACE CONDUIT - REMOVE ("A")
1-2/c#14 - INPLACE - REMOVE ("A")

H.H.14 TO H.H.15A:
H.H.15A TO H.H.16A:
2' CONDUIT - F&I ("A")
2-2/c#14 - F&I ("A")
(**) 2' CONDUIT - F&I
(**) 1-12 SM FIBER-OPTIC CABLE - F&I

H.H.16A TO H.H.50:
(**) 2' CONDUIT - F&I
(**) 1-12 SM FIBER-OPTIC CABLE - F&I
(**) 1-1/c#14 (TRACER) - F&I



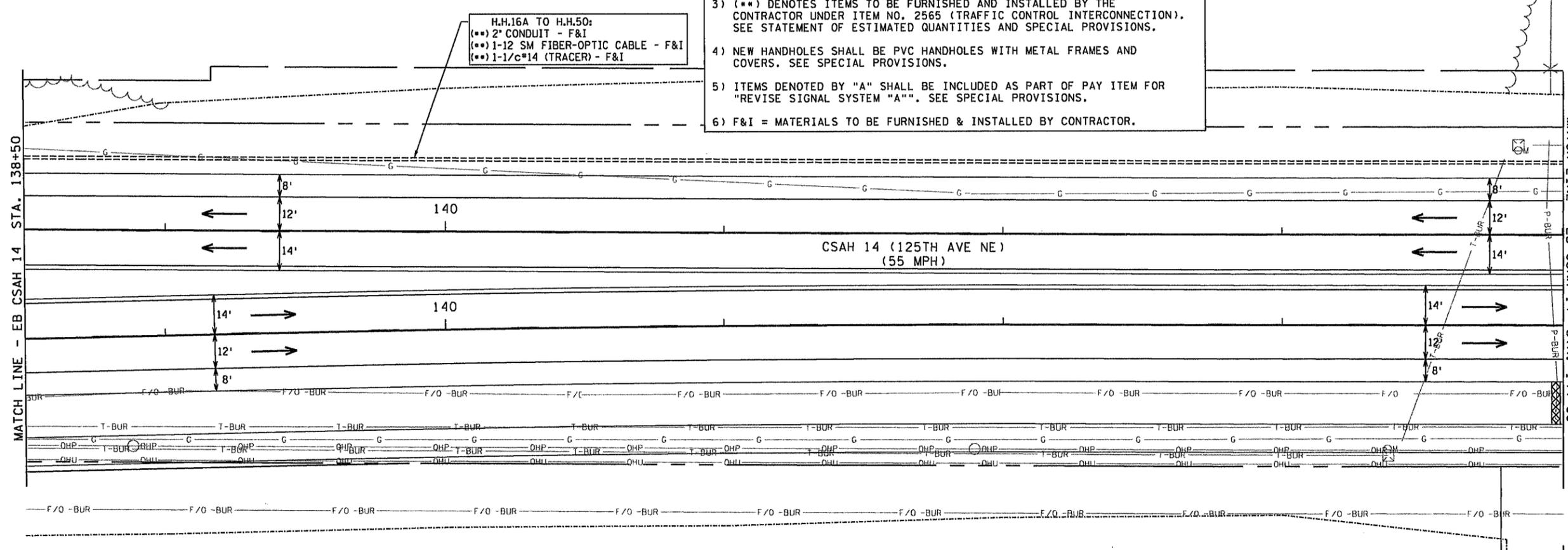
INTERCONNECT NOTES

- 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 INTERCONNECTION). SEE STATEMENT OF ESTIMATED QUANTITIES AND SPECIAL PROVISIONS.
- 4) NEW HANDHOLES SHALL BE PVC HANDHOLES WITH METAL FRAMES AND COVERS. SEE SPECIAL PROVISIONS.
- 5) ITEMS DENOTED BY "A" SHALL BE INCLUDED AS PART OF PAY ITEM FOR "REVISE SIGNAL SYSTEM "A"". SEE SPECIAL PROVISIONS.
- 6) F&I = MATERIALS TO BE FURNISHED & INSTALLED BY CONTRACTOR.

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SCALE IN FEET



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SCALE IN FEET

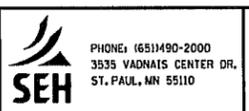


H.H.16A TO H.H.50:
(**) 2' CONDUIT - F&I
(**) 1-12 SM FIBER-OPTIC CABLE - F&I
(**) 1-1/c#14 (TRACER) - F&I

DESIGN TEAM			
DRAWN BY:	BDY		
DESIGNER:	JMG		
CHECKED BY:	JEO		
NO.	BY	DATE	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.

Certified By: *John M. Gray* Lic. No. 22457
Printed Name: JOHN M. GRAY, PE Date: 10/21/2015



CITY OF BLAINE, MN.
CSAH 14
S.A.P. 002-614-039, S.A.P. 106-020-032,
S.A.P. 106-137-001

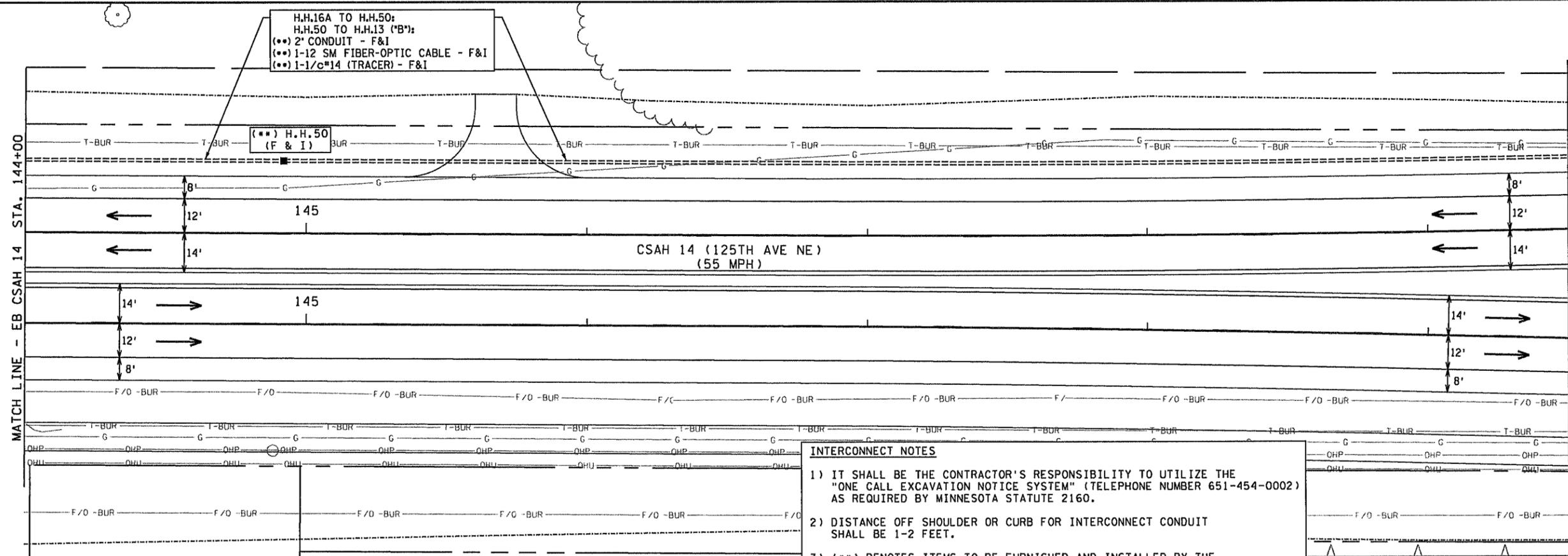
REVISE SIGNAL SYSTEM "A" / INTERCONNECT INTERSECTION LAYOUT
CSAH 14 (125TH AVE NE) - CSAH 52 TO CLOUD DRIVE

FILE NO. 126669
SG10 OF S025
141
196

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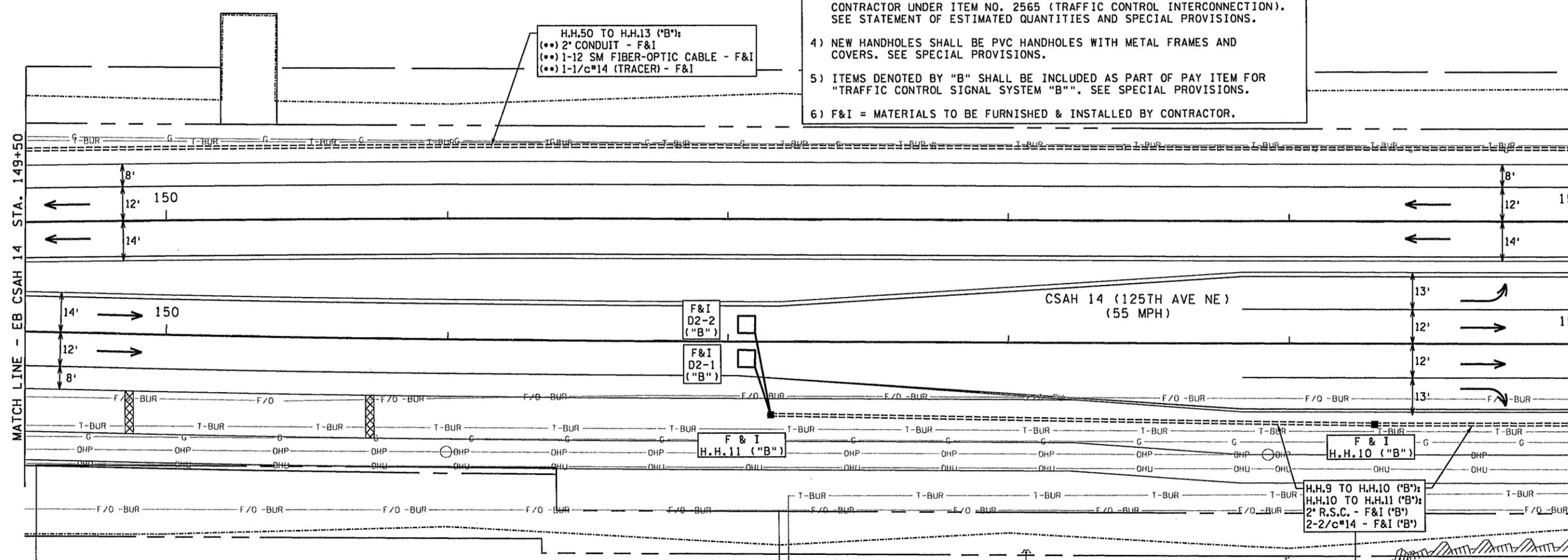
10/21/2015

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SCALE IN FEET



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SCALE IN FEET



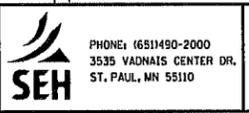
INTERCONNECT NOTES

- 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 INTERCONNECTION). SEE STATEMENT OF ESTIMATED QUANTITIES AND SPECIAL PROVISIONS.
- 4) NEW HANDHOLES SHALL BE PVC HANDHOLES WITH METAL FRAMES AND COVERS. SEE SPECIAL PROVISIONS.
- 5) ITEMS DENOTED BY "B" SHALL BE INCLUDED AS PART OF PAY ITEM FOR "TRAFFIC CONTROL SIGNAL SYSTEM "B"". SEE SPECIAL PROVISIONS.
- 6) F&I = MATERIALS TO BE FURNISHED & INSTALLED BY CONTRACTOR.

DESIGN TEAM			
DRAWN BY:	BDY		
DESIGNER:	JMG		
CHECKED BY:	JEO		
NO.	BY	DATE	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.

Certified By: *John M. Gray* Lic. No. 22457
 Printed Name: JOHN M. GRAY, PE Date: 10/21/2015



CITY OF BLAINE, MN.
CSAH 14
 S.A.P. 002-614-039, S.A.P. 106-020-032,
 S.A.P. 106-137-001

SIGNAL SYSTEM "B"/INTERCONNECT INTERSECTION LAYOUT
 CSAH 14 (125TH AVE NE) - CSAH 52 TO CLOUD DRIVE

FILE NO.	126669	142
SG11 OF SG25		
		196

① INPLACE (MAINTAIN) PA100 POLE FOUNDATION
 TYPE PA100-A-55-D40-9 (DAVIT AT 350 DEG)
 LUMINAIRE-LED
 2-ONE WAY SIGNALS-OVERHEAD AT 17' AND 29'
 FROM END OF MAST ARM
 1-ONE WAY SIGNALS-POLE MOUNTED 180 DEG
 2-SETS CD PED SIGNALS - POLE MOUNTED 90/180 DEG
 ONE WAY EVP DETECTOR AND LIGHT-OVERHEAD AT 6' (4+7)
 2-R6-1 SIGN PANELS-POLE MOUNTED 0/180 DEG
 TYPE D SIGN PANEL-OVERHEAD AT 32'
 EXTENDED INTO HH1
 3" RSC
 3-12/C 14
 1-3/C 14
 1-3/C 20
 1-3/C 14 (LUM)

INPLACE (REMOVE) 2-ONE WAY SIGNALS-OVERHEAD AT 0' AND 0'
 FROM END OF MAST ARM (OLD 3-1 & OLD 7-2)
 1-ONE WAY SIGNALS-POLE MOUNTED 90 DEG (OLD 1-3)
 F&I 2-ONE WAY SIGNALS-OVERHEAD AT 0' AND 0'
 FROM END OF MAST ARM (NEW 3-1 & NEW 7-2)
 1-ONE WAY SIGNALS-POLE MOUNTED 90 DEG (NEW 1-3)
 2-R10-X12 SIGN PANEL - ADJACENT TO (NEW 3-1 & NEW 7-2)
 1-6/C 16

⑤ INPLACE (MAINTAIN) PA100 POLE FOUNDATION
 TYPE PA100-A-55-D40-9 (DAVIT AT 350 DEG)
 LUMINAIRE-LED
 2-ONE WAY SIGNALS-OVERHEAD AT 17' AND 29'
 FROM END OF MAST ARM
 1-ONE WAY SIGNALS-POLE MOUNTED 180 DEG
 2-SETS CD PED SIGNALS - POLE MOUNTED 90/180 DEG
 ONE WAY EVP DETECTOR AND LIGHT-OVERHEAD AT 6' (8+3)
 2-R6-1 SIGN PANELS-POLE MOUNTED 0/180 DEG
 TYPE D SIGN PANEL-OVERHEAD AT 32'
 EXTENDED INTO HH13
 3" RSC
 3-12/C 14
 1-3/C 14
 1-3/C 20
 1-3/C 14 (LUM)

INPLACE (REMOVE) 2-ONE WAY SIGNALS-OVERHEAD AT 0' AND 0'
 FROM END OF MAST ARM (OLD 3-2 & OLD 7-1)
 1-ONE WAY SIGNALS-POLE MOUNTED 90 DEG (OLD 5-3)
 F&I 2-ONE WAY SIGNALS-OVERHEAD AT 0' AND 0'
 FROM END OF MAST ARM (NEW 3-2 & NEW 7-1)
 1-ONE WAY SIGNALS-POLE MOUNTED 90 DEG (NEW 5-3)
 2-R10-X12 SIGN PANEL - ADJACENT TO (NEW 3-2 & NEW 7-1)
 1-6/C 16

③ INPLACE (MAINTAIN) PA100 POLE FOUNDATION
 TYPE PA100-A-55-D40-9 (DAVIT AT 350 DEG)
 LUMINAIRE-LED
 2-ONE WAY SIGNALS-OVERHEAD AT 17' AND 29'
 FROM END OF MAST ARM
 2-ONE WAY SIGNALS-POLE MOUNTED 90/180 DEG
 2-SETS CD PED SIGNALS - POLE MOUNTED 90/180 DEG
 ONE WAY EVP DETECTOR AND LIGHT-OVERHEAD AT 6' (6+1)
 2-R6-1 SIGN PANELS-POLE MOUNTED 0/180 DEG
 TYPE D SIGN PANEL-OVERHEAD AT 32'
 EXTENDED INTO HH8
 3" RSC
 3-12/C 14
 1-3/C 14
 1-3/C 20
 1-3/C 14 (LUM)

INPLACE (REMOVE) 2-ONE WAY SIGNALS-OVERHEAD AT 0' AND 0'
 FROM END OF MAST ARM (OLD 1-2 & OLD 5-1)
 1-ONE WAY SIGNALS-POLE MOUNTED 90 DEG (OLD 3-3)
 F&I 2-ONE WAY SIGNALS-OVERHEAD AT 0' AND 0'
 FROM END OF MAST ARM (NEW 1-2 & NEW 5-1)
 1-ONE WAY SIGNALS-POLE MOUNTED 90 DEG (NEW 3-3)
 2-R10-X12 SIGN PANEL - ADJACENT TO (NEW 1-2 & NEW 5-1)
 1-6/C 16

③ INPLACE (MAINTAIN) PA100 POLE FOUNDATION
 TYPE PA100-A-55-D40-9 (DAVIT AT 350 DEG)
 LUMINAIRE-LED
 2-ONE WAY SIGNALS-OVERHEAD AT 17' AND 29'
 FROM END OF MAST ARM
 2-ONE WAY SIGNALS-POLE MOUNTED 90/180 DEG
 1-SETS CD PED SIGNALS - POLE MOUNTED 90 DEG
 ONE WAY EVP DETECTOR AND LIGHT-OVERHEAD AT 6' (8+3)
 2-R6-1 SIGN PANELS-POLE MOUNTED 0/180 DEG
 TYPE D SIGN PANEL-OVERHEAD AT 32'
 EXTENDED INTO HH8
 3" RSC
 3-12/C 14
 1-3/C 14
 1-3/C 20
 1-3/C 14 (LUM)

INPLACE (REMOVE) 2-ONE WAY SIGNALS-OVERHEAD AT 0' AND 0'
 FROM END OF MAST ARM (OLD 3-2 & OLD 7-1)
 1-ONE WAY SIGNALS-POLE MOUNTED 90 DEG (OLD 5-3)
 F&I 2-ONE WAY SIGNALS-OVERHEAD AT 0' AND 0'
 FROM END OF MAST ARM (NEW 3-2 & NEW 7-1)
 1-ONE WAY SIGNALS-POLE MOUNTED 90 DEG (NEW 5-3)
 2-R10-X12 SIGN PANEL - ADJACENT TO (NEW 3-2 & NEW 7-1)
 1-6/C 16

(A) EQUIPMENT PAD FOUNDATION
 CONTROLLER AND CABINET
 SIGNAL SERVICE CABINET
 CONTROLLER CABINET TO HH 1:
 4" RSC 4" RSC
 3-12/C 14 3-12/C 14
 1-3/C 14 1-3/C 14
 13-2/C 14 2-2/C 14
 1-3/C 20 1-3/C 20

(B) INPLACE - SOP (CONNEXUS)
 MAINTAIN INPLACE

F&I - 2-6/C 16
 2-2/C 14

2" RSC
 1-6 SM FO CABLE

CONTROLLER CABINET TO HH 25:
 4" RSC 4" RSC
 3-12/C 14 3-12/C 14
 1-3/C 14 1-3/C 14
 10-2/C 14 7-2/C 14
 1-3/C 20 1-3/C 20
 1-12 SM FO CABLE 1-12 SM FO CABLE

F&I - 2-6/C 16

SERVICE CABINET TO CONTROLLER CABINET:
 2" RSC (METERED SIGNAL SERVICE)
 3-1/C 6
 SERVICE CABINET TO HH25
 2" RSC (UNMETERED ST LIGHT SERVICE)
 4-3/C 14
 2" RSC STUB OUT FROM SERVICE CABINET
 (FOR POWER BY CONNEXUS)

② INPLACE (REMOVE) PEDESTAL PUSH BUTTON STATION (4" RSC)
 2-PEDESTRIAN PUSH BUTTONS & SIGNS (R10-4b)
 1 1/4" RSC BACK TO HH1
 INPLACE (S & I) 2-2/C 14 (SALVAGE INPLACE PB CABLES BACK
 TO HH1 AND REINSTALL TO PB2-1)
 F & I PED PB STATION
 1-APS PB AND SIGN
 (LT ARROW) (PB2-1)
 EXTEND INTO INP HH1
 1" CONDUIT

②A F & I PED PB STATION
 1-APS PB AND SIGN
 (RT ARROW) (PB4-2)
 EXTEND INTO INP HH1
 1" CONDUIT
 1-2/C 14

④ INPLACE (REMOVE) PEDESTAL PUSH BUTTON STATION (4" RSC)
 2-PEDESTRIAN PUSH BUTTONS & SIGNS (R10-4b)
 1 1/4" RSC BACK TO HHB
 INPLACE (S & I) 2-2/C 14 (SALVAGE INPLACE PB CABLES BACK
 TO HHB AND REINSTALL TO PB4-1)
 F & I PED PB STATION
 1-APS PB AND SIGN
 (LT ARROW) (PB4-1)
 EXTEND INTO INP HHB
 1" CONDUIT

④A F & I PED PB STATION
 1-APS PB AND SIGN
 (RT ARROW) (PB6-2)
 EXTEND INTO INP HHB
 1" CONDUIT
 1-2/C 14

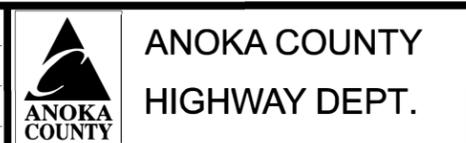
⑥ INPLACE (REMOVE) PEDESTAL PUSH BUTTON STATION (4" RSC)
 1-PEDESTRIAN PUSH BUTTONS & SIGN (R10-4b)
 1 1/4" RSC BACK TO HH14
 INPLACE (S & I) 1-2/C 14 (SALVAGE INPLACE PB CABLES BACK
 TO HH14 AND REINSTALL TO PB6-1)
 F & I PED PB STATION
 1-APS PB AND SIGN
 (LT ARROW) (PB6-1)
 EXTEND INTO INP HH14
 1" CONDUIT

⑧ INPLACE (REMOVE) PEDESTAL PUSH BUTTON STATION (4" RSC)
 1-PEDESTRIAN PUSH BUTTONS & SIGN (R10-4b)
 1 1/4" RSC BACK TO HH20
 INPLACE (S & I) 1-2/C 14 (SALVAGE INPLACE PB CABLES BACK
 TO HH21 AND REINSTALL TO PB2-2)
 F & I PED PB STATION
 1-APS PB AND SIGN
 (RT ARROW) (PB2-2)
 EXTEND INTO INP HH20
 1" CONDUIT

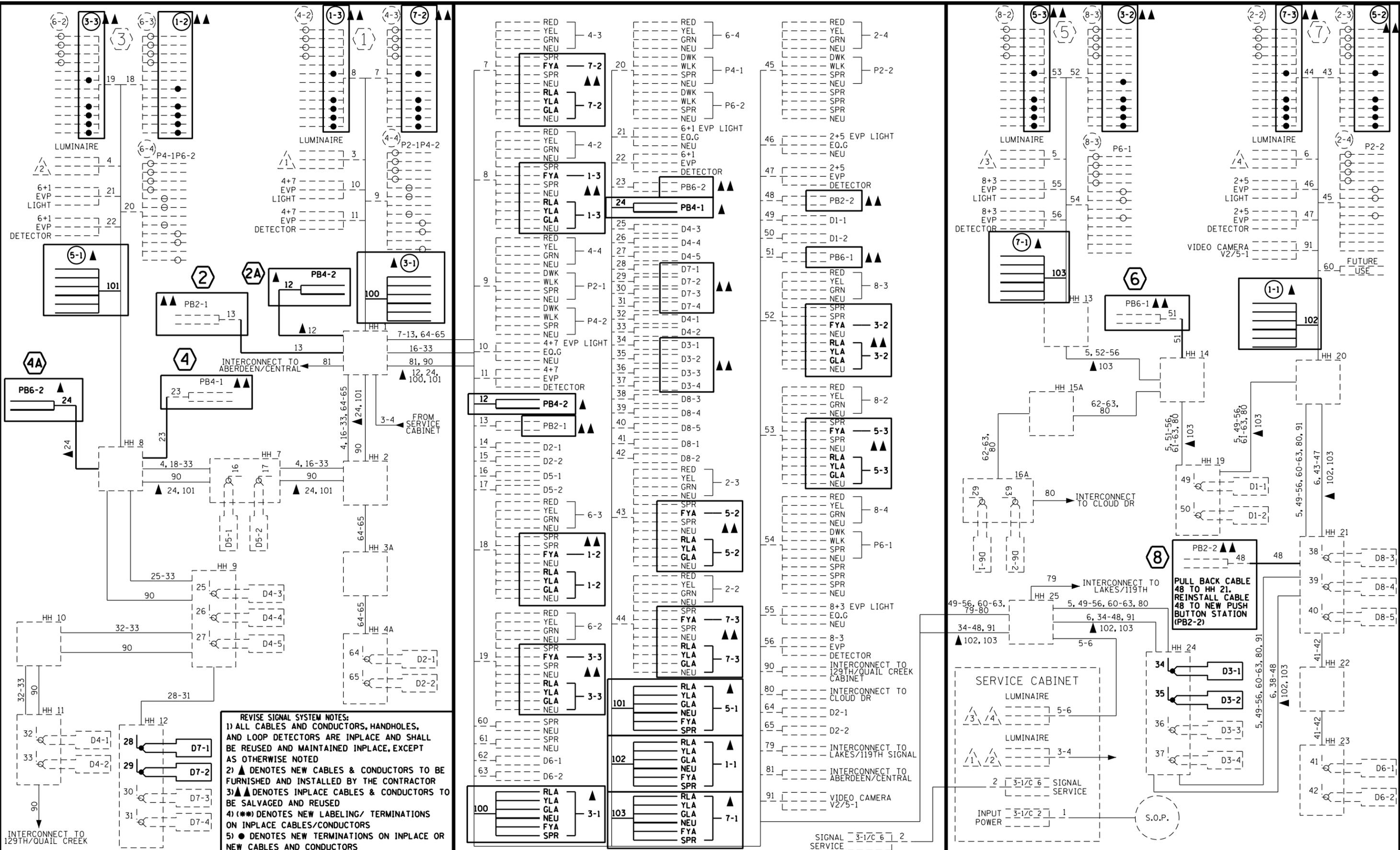
NO	DATE	BY	CKD	APPR	REVISION
NAME: P:\002-652-013 ADA Upgrades\Plan\002652013_sg02.dgn					

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.
 PRINT NAME: AARON ANDERSON
 SIGNATURE: *Aaron R. Anderson*
 DATE: 01/13/25 LICENSE NO. 58857

DRAWN BY AA DATE 11/06/24
 DESIGN BY AA DATE 11/06/24
 CHECKED BY ST DATE 11/06/24



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 SAP 002-652-013

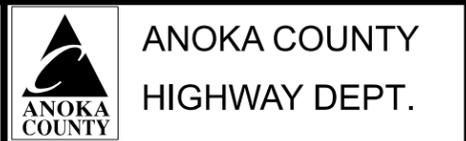


REVISE SIGNAL SYSTEM NOTES:
 1) ALL CABLES AND CONDUCTORS, HANDHOLES, AND LOOP DETECTORS ARE INPLACE AND SHALL BE REUSED AND MAINTAINED INPLACE, EXCEPT AS OTHERWISE NOTED
 2) ▲ DENOTES NEW CABLES & CONDUCTORS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR
 3) ▲▲ DENOTES INPLACE CABLES & CONDUCTORS TO BE SALVAGED AND REUSED
 4) (***) DENOTES NEW LABELING/ TERMINATIONS ON INPLACE CABLES/CONDUCTORS
 5) ● DENOTES NEW TERMINATIONS ON INPLACE OR NEW CABLES AND CONDUCTORS

NO 1	7/31/2025	APA	WIRING DIAGRAM UPDATED TO MATCH IN-FIELD WIRING		
AS-BUILT DATE: 7/31/2025					
NO	DATE	BY	CKD	APPR	REVISION
NAME: P:\002-652-013 ADA Upgrades\Plan\As-Built\002652013_wd01A_AsBuilt_7-30-25.dgn 7/31/2025 8:41:18 AM					

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.
 PRINT NAME: AARON ANDERSON
 SIGNATURE: *[Signature]*
 DATE: 07/31/2025 LICENSE NO. 58657

DRAWN BY: AA DATE: 11/06/24
 DESIGN BY: AA DATE: 11/06/24
 CHECKED BY: ST DATE: 11/06/24



SAP 002-652-014
 SAP 002-652-013

CSAH 52 & CSAH 14
 REVISE TRAFFIC CONTROL
 SIGNAL SYSTEM
 Sheet 34 of 87 Sheets