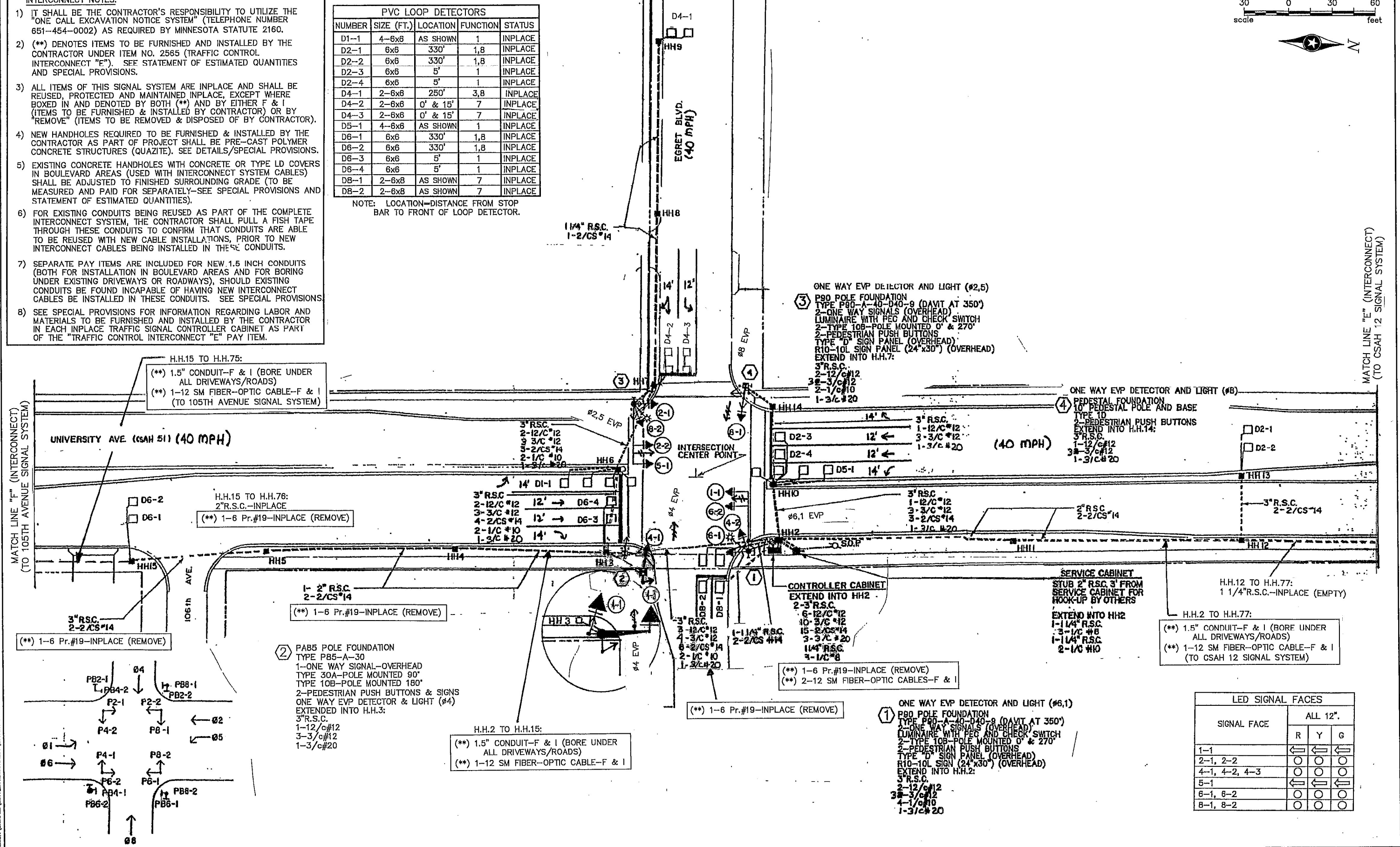




- INTERCONNECT NOTES:**
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO UTILIZE THE "ONE CALL EXCAVATION NOTICE SYSTEM" (TELEPHONE NUMBER 651-454-0002) AS REQUIRED BY MINNESOTA STATUTE 2160.
 - (**) DENOTES ITEMS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNDER ITEM NO. 2565 (TRAFFIC CONTROL INTERCONNECT "E"). SEE STATEMENT OF ESTIMATED QUANTITIES AND SPECIAL PROVISIONS.
 - ALL ITEMS OF THIS SIGNAL SYSTEM ARE INPLACE AND SHALL BE REUSED, PROTECTED AND MAINTAINED INPLACE, EXCEPT WHERE BOXED IN AND DENOTED BY BOTH (**) AND BY EITHER F & I (ITEMS TO BE FURNISHED & INSTALLED BY CONTRACTOR) OR BY "REMOVE" (ITEMS TO BE REMOVED & DISPOSED OF BY CONTRACTOR).
 - NEW HANDHOLES REQUIRED TO BE FURNISHED & INSTALLED BY THE CONTRACTOR AS PART OF PROJECT SHALL BE PRE-CAST POLYMER CONCRETE STRUCTURES (QUAZITE). SEE DETAILS/SPECIAL PROVISIONS.
 - EXISTING CONCRETE HANDHOLES WITH CONCRETE OR TYPE LD COVERS IN BOULEVARD AREAS (USED WITH INTERCONNECT SYSTEM CABLES) SHALL BE ADJUSTED TO FINISHED SURROUNDING GRADE (TO BE MEASURED AND PAID FOR SEPARATELY-SEE SPECIAL PROVISIONS AND STATEMENT OF ESTIMATED QUANTITIES).
 - FOR EXISTING CONDUITS BEING REUSED AS PART OF THE COMPLETE INTERCONNECT SYSTEM, THE CONTRACTOR SHALL PULL A FISH TAPE THROUGH THESE CONDUITS TO CONFIRM THAT CONDUITS ARE ABLE TO BE REUSED WITH NEW CABLE INSTALLATIONS, PRIOR TO NEW INTERCONNECT CABLES BEING INSTALLED IN THESE CONDUITS.
 - SEPARATE PAY ITEMS ARE INCLUDED FOR NEW 1.5 INCH CONDUITS (BOTH FOR INSTALLATION IN BOULEVARD AREAS AND FOR BORING UNDER EXISTING DRIVEWAYS OR ROADWAYS), SHOULD EXISTING CONDUITS BE FOUND INCAPABLE OF HAVING NEW INTERCONNECT CABLES BE INSTALLED IN THESE CONDUITS. SEE SPECIAL PROVISIONS.
 - SEE SPECIAL PROVISIONS FOR INFORMATION REGARDING LABOR AND MATERIALS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR IN EACH INPLACE TRAFFIC SIGNAL CONTROLLER CABINET AS PART OF THE "TRAFFIC CONTROL INTERCONNECT "E" PAY ITEM.

PVC LOOP DETECTORS				
NUMBER	SIZE (FT.)	LOCATION	FUNCTION	STATUS
D1-1	4-6x8	AS SHOWN	1	INPLACE
D2-1	6x6	330'	1,8	INPLACE
D2-2	6x6	330'	1,8	INPLACE
D2-3	6x6	5'	1	INPLACE
D2-4	6x6	5'	1	INPLACE
D4-1	2-6x6	250'	3,8	INPLACE
D4-2	2-6x6	0' & 15'	7	INPLACE
D4-3	2-6x6	0' & 15'	7	INPLACE
D5-1	4-6x6	AS SHOWN	1	INPLACE
D6-1	6x6	330'	1,8	INPLACE
D6-2	6x6	330'	1,8	INPLACE
D6-3	6x6	5'	1	INPLACE
D6-4	6x6	5'	1	INPLACE
DB-1	2-6x8	AS SHOWN	7	INPLACE
DB-2	2-6x8	AS SHOWN	7	INPLACE

NOTE: LOCATION-DISTANCE FROM STOP BAR TO FRONT OF LOOP DETECTOR.



② PAB5 POLE FOUNDATION
 TYPE P85-A-30
 1-ONE WAY SIGNAL-OVERHEAD
 TYPE 30A-POLE MOUNTED 90°
 TYPE 10B-POLE MOUNTED 180°
 2-PEDESTRIAN PUSH BUTTONS & SIGNS
 ONE WAY EVP DETECTOR & LIGHT (#4)
 EXTENDED INTO H.H.3:
 3" R.S.C.
 1-12/c#12
 3-3/c#12
 1-3/c#20

CONTROLLER CABINET
 EXTEND INTO HH2
 2-3" R.S.C.
 6-12/c#12
 10-3/c#12
 15-2/c#14
 3-3/c#20
 1 1/4" R.S.C.
 3-1/c#8
 (**) 1-6 Pr.#19-INPLACE (REMOVE)
 (**) 2-12 SM FIBER-OPTIC CABLES-F & I

① ONE WAY EVP DETECTOR AND LIGHT (#6,1)
 P80 POLE FOUNDATION
 TYPE P80-A-40-D40-9 (DAVIT AT 350')
 2-ONE WAY SIGNALS (OVERHEAD)
 LUMINAIRE WITH PEC AND CHECK SWITCH
 2-TYPE 10B-POLE MOUNTED 0° & 270°
 2-PEDESTRIAN PUSH BUTTONS
 TYPE "D" SIGN PANEL (OVERHEAD)
 R10-10L SIGN PANEL (24"x30") (OVERHEAD)
 EXTEND INTO H.H.2:
 3" R.S.C.
 2-12/c#12
 3-3/c#12
 4-1/c#10
 1-3/c#20

LED SIGNAL FACES			
SIGNAL FACE	ALL 12"		
	R	Y	G
1-1	←	←	←
2-1, 2-2	○	○	○
4-1, 4-2, 4-3	○	○	○
5-1	←	←	←
6-1, 6-2	○	○	○
8-1, 8-2	○	○	○

DRAWN BY: JMG
 DESIGNER: JMG
 CHECKED BY: JMG

NO.	BY	DATE	REVISIONS

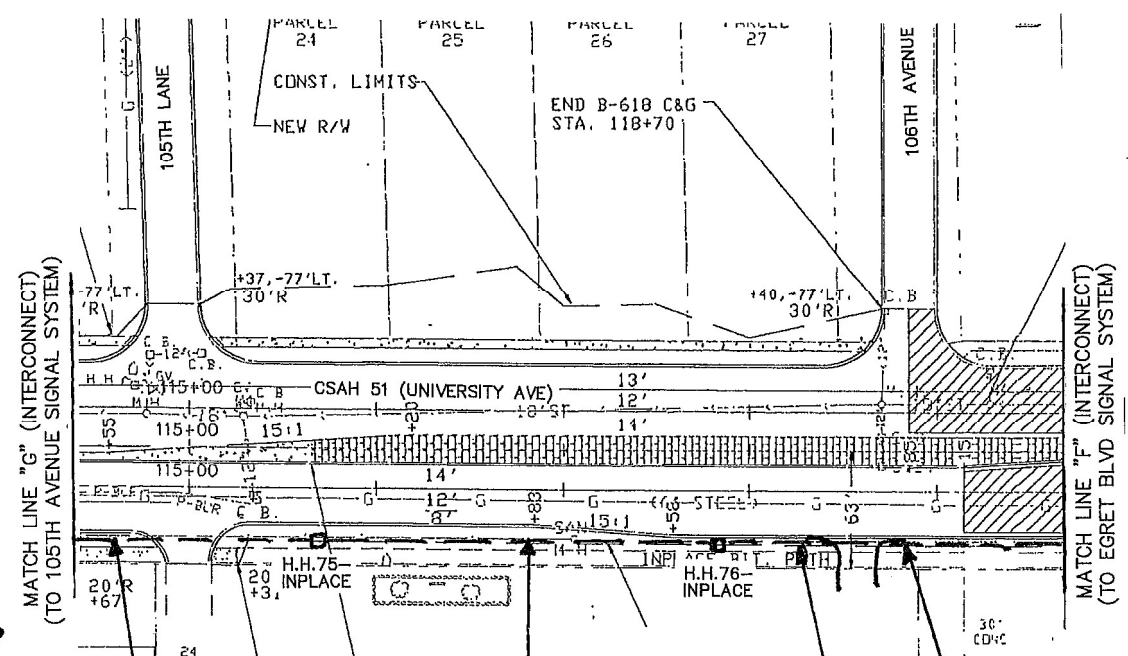
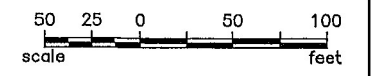
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
 Date: July 6, 2018 Name: John M. Gray, PE Lic. No. 22457

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

ANOKA COUNTY, MN
 CITIES OF BLAINE, COON RAPIDS
 SAP 002-030-010

TRAFFIC SIGNAL INTERCONNECT "E"
 INTERSECTION LAYOUT
 CSAH 51 (UNIVERSITY AVENUE)
 AT EGRET BOULEVARD

FILE NO.
 ANOKC 142312
 76
 115



H.H.75 TO H.H.11:
 (**) 1.5" CONDUIT-F & I (BORE UNDER ALL DRIVEWAYS/ROADS)
 (**) 1-12 SM FIBER-OPTIC CABLE-F & I (TO 105TH AVENUE SIGNAL SYSTEM)

H.H.74 TO H.H.75:
 2"R.S.C.-INPLACE
 (**) 1-6 Pr.#19-INPLACE (REMOVE)

H.H.75 TO H.H.76:
 2"R.S.C.-INPLACE
 (**) 1-6 Pr.#19-INPLACE (REMOVE)

H.H.76 TO H.H.15:
 2"R.S.C.-INPLACE
 (**) 1-6 Pr.#19-INPLACE (REMOVE)

H.H.75 TO H.H.15:
 (**) 1.5" CONDUIT-F & I (BORE UNDER ALL DRIVEWAYS/ROADS)
 (**) 1-12 SM FIBER-OPTIC CABLE-F & I (TO EGRET BLVD SIGNAL SYSTEM)

- 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.
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 - 3) ALL ITEMS OF THE EXISTING INTERCONNECT SYSTEM ARE INPLACE AND SHALL BE REUSED, PROTECTED AND MAINTAINED INPLACE, EXCEPT WHERE BOXED IN AND DENOTED BY BOTH (**) AND BY EITHER F & I (ITEMS TO BE FURNISHED & INSTALLED BY CONTRACTOR) OR BY "REMOVE" (ITEMS TO BE REMOVED & DISPOSED OF BY CONTRACTOR).
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S:\AEVA\ANOKA\COMMON\SIGNALS\2017\INTERCONNECT\2017\TRAISE.DWG

DRAWN BY: JMG
 DESIGNER: JMG
 CHECKED BY: JMG

DESIGN TEAM	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.

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TRAFFIC SIGNAL INTERCONNECT 'E'
 INTERSECTION LAYOUT
 CSAH 51 (UNIVERSITY AVENUE)
 (EGRET BLVD TO 105TH AVENUE)

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