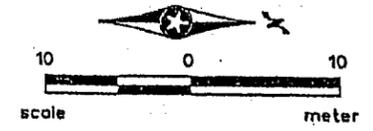


7145

LOOP DETECTOR CHART			DISTANCE FROM STOP LINE
DESIGNATION	SIZE	FUNCTION	
D2-1	1-1.7m x 1.7m	(1)	92m
D2-2	1-1.7m x 1.7m	(1)	92m
D4-1	1-1.7m x 1.7m	(3)	35m
D4-2	1-1.7m x 1.7m	(3)	35m
D4-3	2-1.7m x 1.7m	(1)	0m, 4.6m
D4-4	2-1.7m x 1.7m	(1)	0m, 4.6m
D5-1	2-1.7m x 1.7m	(1)	6.1m, 15.2m
D5-2	2-1.7m x 1.7m	(1)	1.5m, 10.7m
D6-1	1-1.7m x 1.7m	(1)	92m
D6-2	1-1.7m x 1.7m	(1)	92m

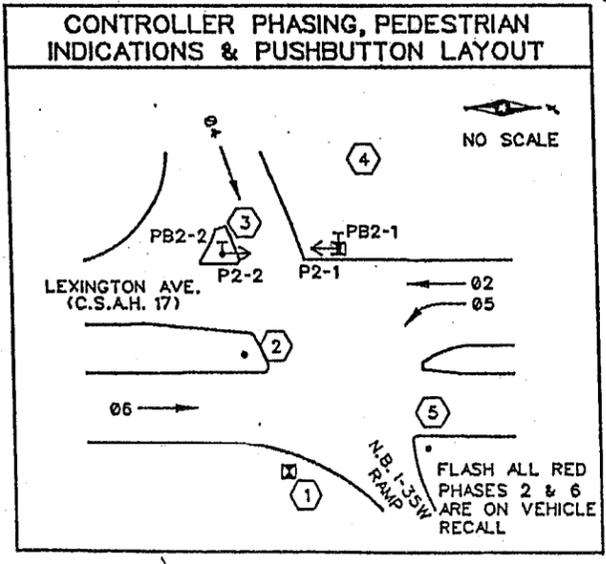
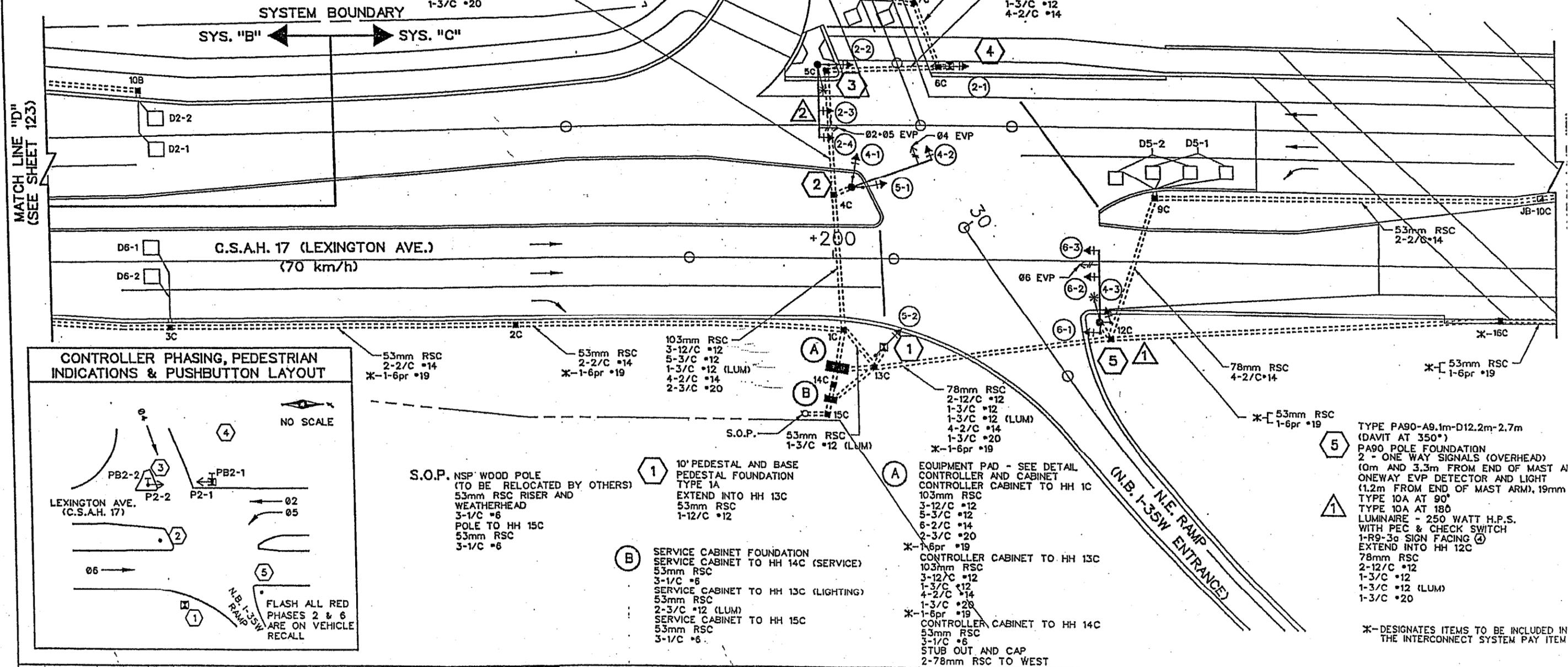
3 TYPE PA90-A9.1m-D12.2m-2.7m (DAVIT AT 350°)
PA90 POLE FOUNDATION
2 - ONE WAY SIGNALS (OVERHEAD)
(0m AND 3.3m FROM END OF MAST ARM)
ONEWAY EVP DETECTOR AND LIGHT
(1.2m FROM END OF MAST ARM), 19mm HUB
TYPE 10B AT 270°
LUMINAIRE - 250 WATT H.P.S.
WITH PEC & CHECK SWITCH
1- PEDESTRIAN PUSH BUTTON & SIGN
EXTEND INTO HH 5C

2 TYPE PA90-A10.7m
PA90 POLE FOUNDATION
1 - ONE WAY SIGNALS (OVERHEAD)
(0m FROM END OF MAST ARM)
ONEWAY EVP DETECTOR AND LIGHT
(1.8m FROM END OF MAST ARM), 19mm HUB
TYPE 10A AT 0°
TYPE 10A AT 270°
1-R9-3a SIGN FACING (3)
EXTEND INTO HH 4C



- NOTES:**
- 1) SEE SPECIAL PROVISIONS FOR COUNTY FURNISHED EQUIPMENT.
 - 2) EACH SIGNAL FACE SHALL HAVE A BACKGROUND SHIELD.
 - 3) SEE SHEET 119 AND SPECIAL PROVISIONS FOR SERVICE CABINET DETAILS.
 - 4) TYPE D SIGNS SHALL BE FURNISHED AND INSTALLED ON MAST ARM POLES 1, 2, 3 AND 4. SEE SPECIAL PROVISIONS.
 - 5) SEE SPECIAL PROVISIONS FOR HANDHOLE TYPE.
 - 6) SEE SPECIAL PROVISIONS FOR CONTRACTORS RESPONSIBILITY FOR LOCATION OF UTILITIES.
 - 7) ALL PEDESTRIAN INDICATIONS SHALL BE MAN/HAND (SEE SPECIAL PROVISIONS).
 - 8) ALL SIGNAL FACES SHALL BE 300mm - 3 SECTION R-Y-G, EXCEPT (5-1) (5-2) WHICH SHALL BE 300mm - 3 SECTION RLTA, YLTA AND GLTA.
 - 9) ALL VEHICLE SIGNAL INDICATIONS AND PEDESTRIAN INDICATIONS SHALL USE GLASS LENSES, EXCEPT RED INDICATIONS WHICH SHALL USE LED TECHNOLOGY.
 - 10) CONDUIT AND JUNCTION BOXES ON BRIDGE TO BE INCLUDED IN BRIDGE PAY ITEMS.

- FUNCTIONS:**
- (1) - CALL AND EXTEND
 - (3) - EXTEND ONLY
 - (7) - IMMEDIATE EXTEND, DELAY CALL



S.O.P. NSP WOOD POLE (TO BE RELOCATED BY OTHERS)
53mm RSC RISER AND WEATHERHEAD
3-1/C = 6
POLE TO HH 15C
53mm RSC
3-1/C = 6

1 10' PEDESTAL AND BASE PEDESTAL FOUNDATION TYPE 1A
EXTEND INTO HH 13C
53mm RSC
1-12/C = 12

B SERVICE CABINET FOUNDATION
SERVICE CABINET TO HH 14C (SERVICE)
53mm RSC
3-1/C = 6
SERVICE CABINET TO HH 13C (LIGHTING)
53mm RSC
2-3/C = 12 (LUM)
SERVICE CABINET TO HH 15C
53mm RSC
3-1/C = 6

A EQUIPMENT PAD - SEE DETAIL
CONTROLLER AND CABINET
CONTROLLER CABINET TO HH 13C
103mm RSC
3-12/C = 12
5-3/C = 12
6-2/C = 14
2-3/C = 20
*-1-6pr *19

A CONTROLLER CABINET TO HH 13C
103mm RSC
3-12/C = 12
1-3/C = 12
4-2/C = 14
1-3/C = 20
*-1-6pr *19

A CONTROLLER CABINET TO HH 14C
53mm RSC
3-1/C = 6
STUB OUT AND CAP
2-78mm RSC TO WEST

5 TYPE PA90-A9.1m-D12.2m-2.7m (DAVIT AT 350°)
PA90 POLE FOUNDATION
2 - ONE WAY SIGNALS (OVERHEAD)
(0m AND 3.3m FROM END OF MAST ARM)
ONEWAY EVP DETECTOR AND LIGHT
(1.2m FROM END OF MAST ARM), 19mm HUB
TYPE 10A AT 90°
TYPE 10A AT 180°
LUMINAIRE - 250 WATT H.P.S.
WITH PEC & CHECK SWITCH
1-R9-3a SIGN FACING (3)
EXTEND INTO HH 12C

1

*- DESIGNATES ITEMS TO BE INCLUDED IN THE INTERCONNECT SYSTEM PAY ITEM

NO.	DATE	BY	CHKD	APPRD	REVISION

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

George M. Stuenkel

STATE AID PROJECT NO. SAP 02-617-11
STATE PROJECT NO.

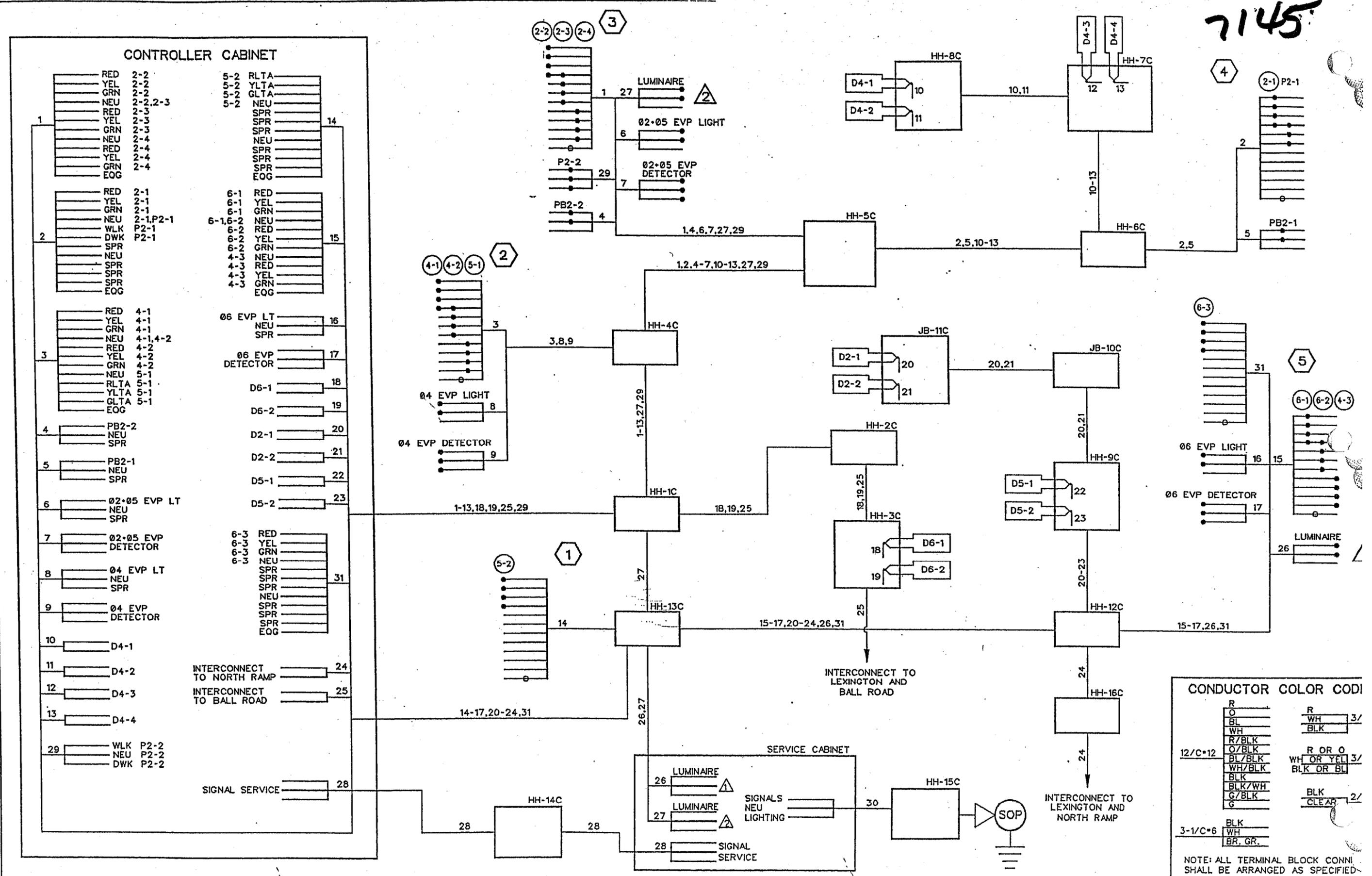
DRAWN BY R.W. SMITH
DESIGNED BY G. STUENKEL
CHECKED BY C. LEIGHT
DATE 9-96
9-96
9-96
COMM. NO.



ANOKA COUNTY
INTERSECTION LAYOUT
C.S.A.H. 17 RECONSTRUCTION

SH 1/ C

7145



NO	DATE	BY	CHKD	APPR	REVISION

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

George W. Stuenkel

STATE AID PROJECT NO. SAP 02-617-11
 STATE PROJECT NO. _____
 DRAWN BY M. BRESSLER 9-96
 DESIGNED BY G. STUENKEL 9-96
 CHECKED BY D. EYLER 9-96

SRE CONSULTING GROUP, INC.

ANOKA COUNTY
 FIELD WIRING DIAGRAM
 C.S.A.H. 17 RECONSTRUCTION

CONDUCTOR COLOR CODE

R	R
O	WH 3/
BL	BLK
WH	
R/BLK	R OR O
O/BLK	WH OR YEL 3/
BL/BLK	BLK OR BL
WH/BLK	
BLK	
BLK/WH	BLK 2/
G/BLK	CLEAR
G	
BLK	
WH	
BR. GR.	

NOTE: ALL TERMINAL BLOCK CONN. SHALL BE ARRANGED AS SPECIFIED.