

REMOVE EXISTING LOOPS
D1-1, D1-2, D2-1,
D2-2, D6-1, AND D6-2

| LOOP DETECTORS | | | |
|----------------|-----------|----------|-----------|
| NUMBER | SIZE | FUNCTION | LOCATION |
| D1-1 | 2-6' X 6' | 10/11 | 20' & 50' |
| D1-2 | 2-6' X 6' | 10/11 | 5' & 35' |
| D2-1 | 6' X 6' | 1 | 260' |
| D6-1 | 6' X 6' | 1 | 260' |
| D8-1 | 5' X | 3/7B | 120' |
| D8-3 | 2-6' X 6' | 7 | 5' |
| D8-4 | 2-6' X 6' | 1 | 5' |

LOCATION-DISTANCE FROM STOP LINE TO DETECTOR

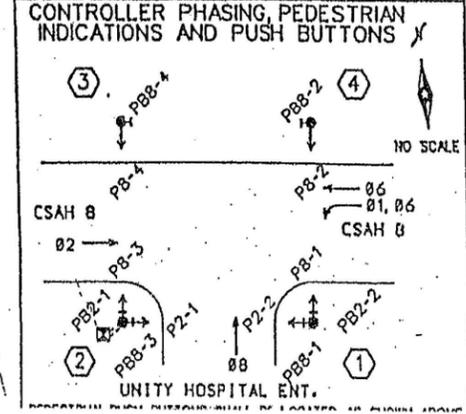
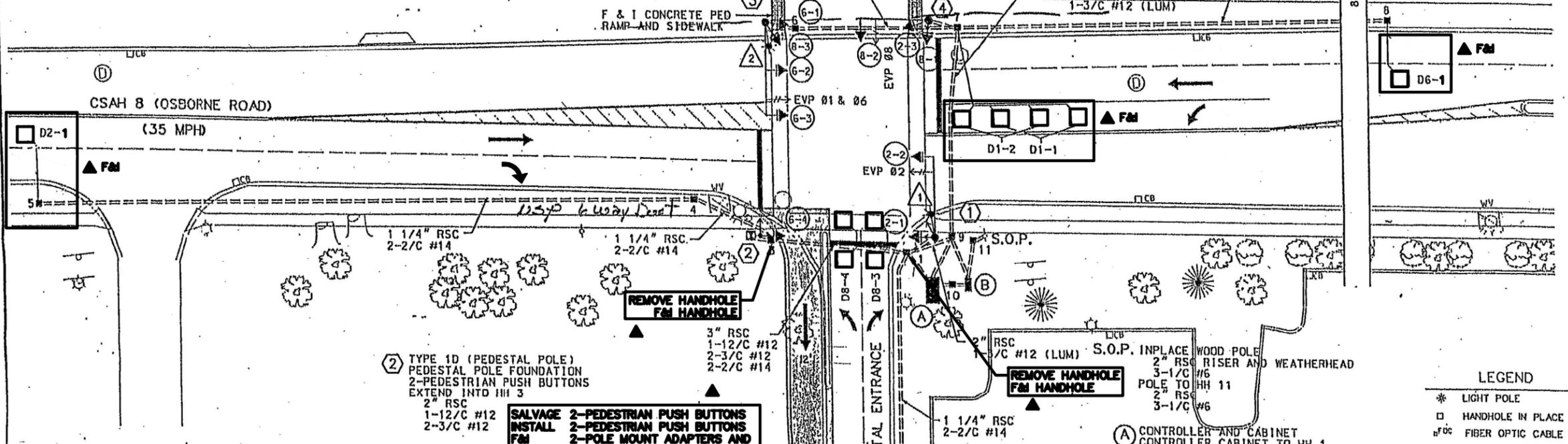
- FUNCTIONS:**
- 1 - CALL AND EXTEND
 - 2 - CALL ONLY
 - 3 - EXTEND ONLY
 - 4 - CALL ONLY DENS
 - 5 - DLY CALL ONLY
 - 6 - DLY CALL ONLY DENSITY
 - 7 - DLY CALL IMMED EXTEND
 - 8 - CARRY OVER
 - 9 - ADVISORY
 - 10 - CALL Ø1 DURING ØØ GREEN
 - 11 - EXTEND Ø1 AND Ø6

- NOTES:**
- 1) SEE SPECIAL PROVISIONS FOR COUNTY FURNISHED MATERIALS.
 - 2) EACH SIGNAL FACE SHALL HAVE A BACKGROUND SHIELD.
 - 3) EACH LUMINAIRE SHALL HAVE A PEC AND CHECK SWITCH.
 - 4) SEE SHEET NO. 5 AND SPECIAL PROVISIONS FOR SERVICE CABINET DETAILS.
 - 5) DIRECTIONAL SIGNS (TYPE D) TO BE FURNISHED AND INSTALLED ON MAST ARMS AT POLES 1, 3 AND 4 AND SHALL BE CONSIDERED INCIDENTAL.
 - 6) SEE SPECIAL PROVISIONS FOR HANDHOLE TYPE.
 - 7) SEE SPECIAL PROVISIONS FOR CONTRACTORS RESPONSIBILITY FOR LOCATION OF UTILITIES.
 - 8) ALL PEDESTRIAN INDICATIONS SHALL BE 12" X 12".
 - 9) ALL SIGNAL FACES SHALL BE 12 INCH 3 SECTION R-Y-G, EXCEPT FACES (6-3) (6-4) WHICH SHALL BE 12 INCH 5 SECTION R-Y-G-YLTA-GLTA.
 - 10) ALL VEHICLE SIGNAL INDICATIONS SHALL USE GLASS LENSES.
 - 11) CONCRETE PED RAMPS AND SIDEWALKS SHALL BE CONSTRUCTED AT LOCATIONS SHOWN ON PLAN AND SHALL BE CONSIDERED INCIDENTAL TO SIGNAL SYSTEM CONSTRUCTION.
 - 12) EVP TO BE FURNISHED BY THE CITY OF FRIDLEY AND INSTALLED BY THE CONTRACTOR (SEE SPECIAL PROVISIONS).

REMOVE PEDESTRIAN PUSH BUTTON AND SIGN WITH POLE ADAPTER MOUNTED ON WEST SIDE OF POLE

- ③ TYPE PA90-A35-D30-9 (DAVIT AT 350°)
PA90 POLE FOUNDATION
2-ONEWAY SIGNALS OVERHEAD (0° AND 18° FROM END OF MAST ARM)
R10-12 (24x30) MOUNTED 3' FROM END OF MAST ARM
ONEWAY EVP DETECTOR AND LIGHT (6' FROM END OF MASTARM)
TYPE 10B - AT 0°
TYPE 10A - AT 270°
LUMINAIRE 250 WATT HPS
1-PEDESTRIAN PUSH BUTTON
EXTEND TO HH 6
3" RSC
2-12/C #12
3-3/C #12
1-3/C #12 (LUM)
1-3/C #20

- ④ TYPE PA90-A25
PA90 POLE FOUNDATION
ONEWAY SIGNAL OVERHEAD
ONEWAY EVP DETECTOR AND LIGHT (6' FROM END OF MASTARM)
TYPE 10A - AT 0°
TYPE 10B - AT 270°
1-PEDESTRIAN PUSH BUTTON
EXTEND INTO HH 7
3" RSC
2-12/C #12
2-3/C #12
1-3/C #20



- ② TYPE 1D (PEDESTAL POLE)
PEDESTAL POLE FOUNDATION
2-PEDESTRIAN PUSH BUTTONS
EXTEND INTO HH 3
2" RSC
1-12/C #12
2-3/C #12
2-2/C #14

**SALVAGE 2-PEDESTRIAN PUSH BUTTONS
INSTALL 2-PEDESTRIAN PUSH BUTTONS
F&I 2-POLE MOUNT ADAPTERS AND
SIGNS ON NORTH AND EAST SIDE OF POLE**

- ① TYPE PA90-A30-D30-9 (DAVIT AT 350°)
PA90 POLE FOUNDATION
ONEWAY SIGNAL OVERHEAD
EVP DETECTOR AND LIGHT (6' FROM END OF MAST ARM)
TYPE 10B - AT 270°
TYPE 30A - AT 0°
LUMINAIRE 250 WATT HPS
2-PEDESTRIAN PUSH BUTTONS
EXTEND TO HH 1
3" RSC
1-12/C #12
4-3/C #12
1-3/C #12 (LUM)
1-3/C #20

**ALL SIGNAL COMPONENTS
ARE IN PLACE UNLESS
OTHERWISE NOTED WITH A
BOX AND TRIANGLE**

**SALVAGE 2-PEDESTRIAN PUSH BUTTONS
INSTALL 2-PEDESTRIAN PUSH BUTTONS
F&I 2-POLE MOUNT ADAPTERS AND
SIGNS ON NORTH AND WEST SIDE OF POLE**

**NOTE: CONTRACTOR IS RESPONSIBLE TO
REPLACE ANY LOOP DETECTORS DAMAGED
BY CONSTRUCTION**

- LEGEND**
- * LIGHT POLE
 - HANDHOLE IN PLACE
 - FOC FIBER OPTIC CABLE
 - PROPOSED HANDHOLE
 - EXISTING CONDUIT
 - * INPLACE WIRES
 - INPLACE SIGN
 - POWER POLE
 - CONCRETE PED RAMPS AND SIDEWALK
 - WIDENING BY OTHERS

ELECTRICAL ENG. CERT.
I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION REPORT 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.
Paul Blumberg
PAUL BLUMBERG
DATE: 05/26/20
NO. 13712

CSA H & OSBORNE RD AND THE UNITY HOSPITAL ENTRANCE
C.P. 98-26-08

Ort Schelen Kayeron & Associates, Inc.
Engineers - Architects - Planners - Surveyors

CSA

REVISE SIGNAL SYSTEM B

| REV | BY | DATE |
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