

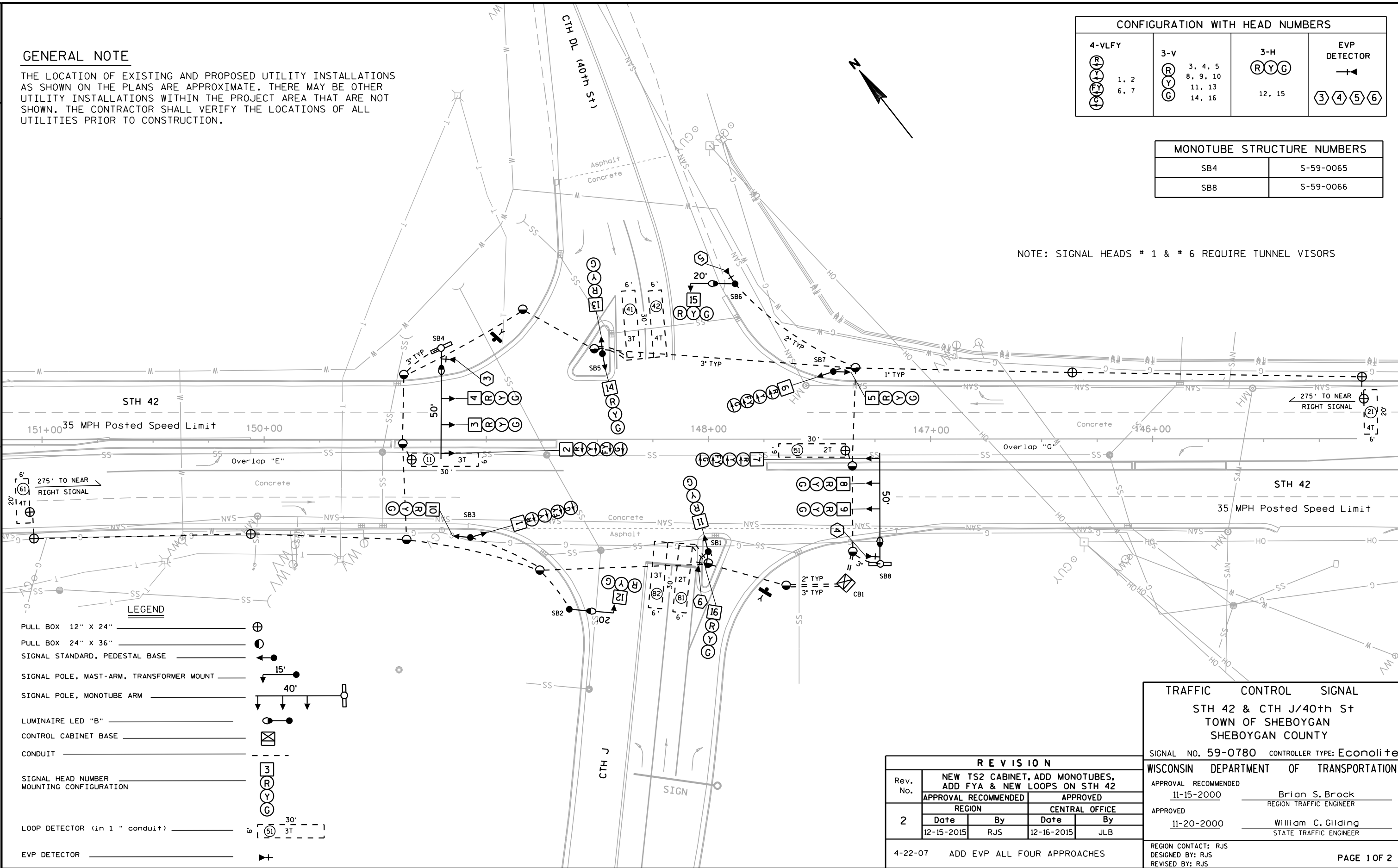
GENERAL NOTE

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

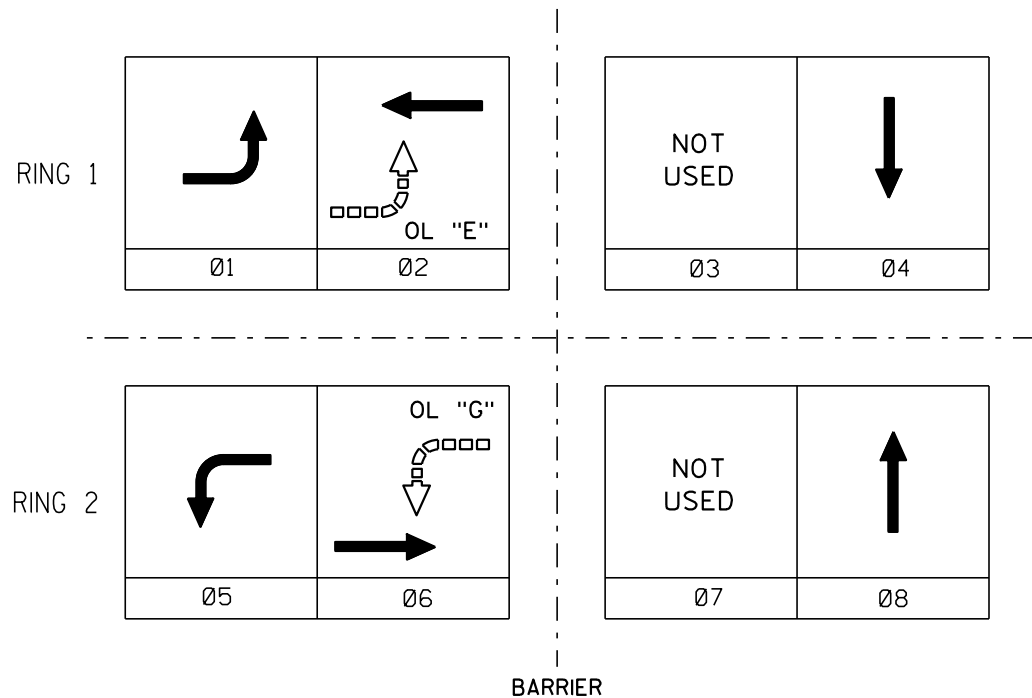
| CONFIGURATION WITH HEAD NUMBERS |                                         |        |              |
|---------------------------------|-----------------------------------------|--------|--------------|
| 4-VLFY                          | 3-V                                     | 3-H    | EVP DETECTOR |
|                                 |                                         |        |              |
| 1, 2<br>6, 7                    | 3, 4, 5<br>8, 9, 10<br>11, 13<br>14, 16 | 12, 15 |              |

| MONOTUBE STRUCTURE NUMBERS |           |
|----------------------------|-----------|
| SB4                        | S-59-0065 |
| SB8                        | S-59-0066 |

NOTE: SIGNAL HEADS # 1 & # 6 REQUIRE TUNNEL VISORS



|     | HEAD NUMBERS | FLASH |
|-----|--------------|-------|
| Ø1  | 6, 7         | R     |
| Ø2  | 3, 4, 5      | R     |
| Ø3  |              |       |
| Ø4  | 11, 12, 13   | R     |
| Ø5  | 1, 2         | R     |
| Ø6  | 8, 9, 10     | R     |
| Ø7  |              |       |
| Ø8  | 14, 15, 16   | R     |
| Ø2P |              |       |
| Ø4P |              |       |
| Ø6P |              |       |
| Ø8P |              |       |
| OLE | 6, 7         | -     |
| OLF |              |       |
| OLG | 1, 2         | -     |
| OLH |              |       |



CONTROLLER LOGIC

| PHASE NUMBER | PHASE LOCKING | DUAL ENTRY W / Ø | PHASE RECALL | PHASE ACTIVE |
|--------------|---------------|------------------|--------------|--------------|
| 1            |               |                  |              | YES          |
| 2            |               |                  | MIN          | YES          |
| 3            |               |                  |              |              |
| 4            |               | 8                |              | YES          |
| 5            |               |                  |              | YES          |
| 6            |               |                  | MIN          | YES          |
| 7            |               |                  |              |              |
| 8            |               | 4                |              | YES          |

| TYPE OF INTERCONNECT/COMMUNICATION |   |
|------------------------------------|---|
| CELL MODEM                         |   |
| CLOSED LOOP                        |   |
| TWISTED PAIR*                      |   |
| FIBER OPTIC*                       |   |
| FIBER OPTIC (ETHERNET)             |   |
| RADIO                              | x |

| TYPE OF COORDINATION               |         |
|------------------------------------|---------|
| NONE                               |         |
| TBC                                | x       |
| TRAFFIC RESPONSIVE                 |         |
| ADAPTIVE                           |         |
| *LOCATION OF MASTER CONTROLLER NO: | S-000   |
| SIGNAL SYSTEM #:                   | SS-0000 |

| TYPE OF LIGHTING                 |   |
|----------------------------------|---|
| BY OTHER AGENCY                  |   |
| IN TRAFFIC SIGNAL CABINET        | x |
| IN SEPARATE DOT LIGHTING CABINET |   |

| TYPE OF PRE-EMPT  |   |
|-------------------|---|
| NONE              |   |
| RAILROAD          |   |
| EMERGENCY VEHICLE |   |
| GTT               |   |
| TOMAR             | x |
| HARDWIRE          |   |
| 3M                |   |
| LIFT BRIDGE       |   |
| QUEUE DETECTOR    |   |

EMERGENCY VEHICLE PREEMPTION

| EMERGENCY VEHICLE DETECTOR | 3   | 4   | 5   | 6   |
|----------------------------|-----|-----|-----|-----|
| MOVEMENT                   | ←   | →   | ↕   | ↕   |
| PHASE                      | 2+5 | 1+6 | 4+8 | 8+4 |
| TOMAR CHANNEL              | 1   | 2   | 3   | 4   |

DETECTOR LOGIC

| RACK # 1                |     |     |   |     |     |     |     |
|-------------------------|-----|-----|---|-----|-----|-----|-----|
| DETECTOR CHANNEL        | 3   | 1   | 7 | 5   | 11  | 9   | 15  |
| PLAN LOOP DETECTOR *(S) | 11  | 21  |   | 41  | 51  | 61  | 81  |
| ASSIGNED PHASE          | 1   | 2   |   | 4   | 5   | 6   | 8   |
| OPERATION MODE          | Veh | Veh |   | Veh | Veh | Veh | Veh |
| SWITCH TO PHASE         |     |     |   |     |     |     |     |
| EXTEND                  |     |     |   |     |     |     |     |
| DELAY                   |     |     |   | Yes |     |     | Yes |
| DETECTOR CHANNEL        | 4   | 2   | 8 | 6   | 12  | 10  | 16  |
| PLAN LOOP DETECTOR *(S) |     |     |   | 42  |     |     | 82  |
| ASSIGNED PHASE          |     |     |   | 4   |     |     | 8   |
| OPERATION MODE          |     |     |   | Veh |     |     | Veh |
| SWITCH TO PHASE         |     |     |   |     |     |     |     |
| EXTEND                  |     |     |   |     |     |     |     |
| DELAY                   |     |     |   | Yes |     |     | Yes |

| RACK # 2                |    |    |    |    |    |    |    |
|-------------------------|----|----|----|----|----|----|----|
| DETECTOR CHANNEL        | 19 | 17 | 23 | 21 | 27 | 25 | 31 |
| PLAN LOOP DETECTOR *(S) |    |    |    |    |    |    |    |
| ASSIGNED PHASE          |    |    |    |    |    |    |    |
| OPERATION MODE          |    |    |    |    |    |    |    |
| SWITCH TO PHASE         |    |    |    |    |    |    |    |
| EXTEND                  |    |    |    |    |    |    |    |
| DELAY                   |    |    |    |    |    |    |    |
| DETECTOR CHANNEL        | 20 | 18 | 24 | 22 | 28 | 26 | 32 |
| PLAN LOOP DETECTOR *(S) |    |    |    |    |    |    |    |
| ASSIGNED PHASE          |    |    |    |    |    |    |    |
| OPERATION MODE          |    |    |    |    |    |    |    |
| SWITCH TO PHASE         |    |    |    |    |    |    |    |
| EXTEND                  |    |    |    |    |    |    |    |
| DELAY                   |    |    |    |    |    |    |    |

GENERAL NOTES:

1. PROVIDE FOR HAND CONTROL.

Revision 2

STH 42 & CTH J/CTH DL (40th St)  
TOWN OF SHEBOYGAN  
SHEBOYGAN COUNTY

SIGNAL NO. 59-0780

CABINET: TS2 CONTROLLER: Econolite

DATE: 12-16-2015 PAGE NO. 2 OF 2