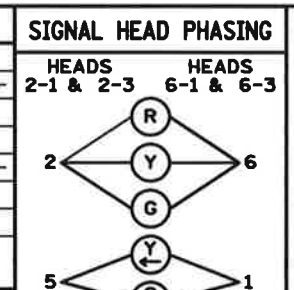


DATE: 8/23/2021 TIME: 9:34:53 AM
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| SIGNAL FACE CHART | | | | | |
|-------------------|---|---|---|---|---|
| FACE | R | Y | G | Y | G |
| 2-1, 2-3 | ○ | ○ | ○ | ← | ← |
| 2-2 | ○ | ○ | ○ | | |
| 4-1, 4-2 | ○ | ○ | ○ | | |
| 6-1, 6-3 | ○ | ○ | ○ | ← | ← |
| 6-2 | ○ | ○ | ○ | | |
| 8-1, 8-2 | ○ | ○ | ○ | | |



(A) EQUIPMENT PAD
 SERVICE CABINET
 CONTROLLER AND CABINET

4" RSC TO HH 1B: 4" RSC TO HH 1A:
 4-12/C #12 4-12/C #12
 2-3/C #12 2-3/C #12
F&I * 2-3/C #14 **F&I * 2-3/C #14**
 1-2/C #14 3-2/C #14
 1-3/C #20 2-3/C #20
F&I * 1-3/C #20

1-COM CABLE (CAT 5E)

3" RSC TO HH 1B:
 1- FO CABLE (6SM)

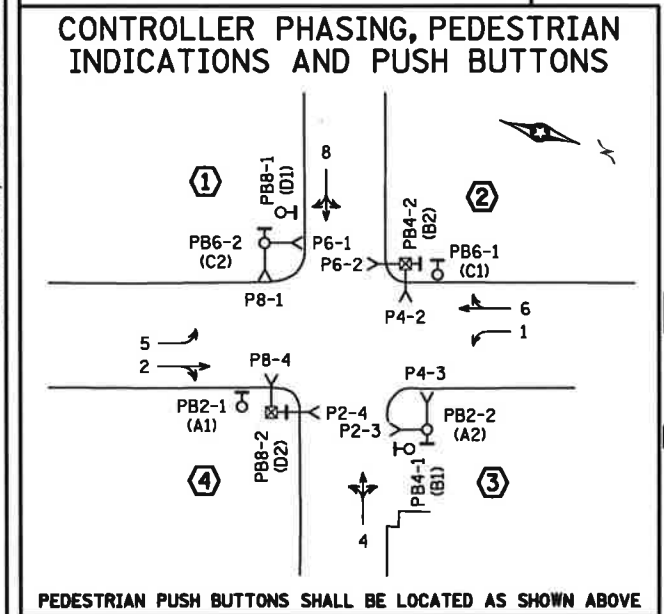
CONTROLLER CABINET TO SERVICE CABINET:
 2" RSC
 2-1/C #6
 1-1/C #6 BR. GR.

SIGNAL SERVICE TO SOP VIA HH 10:
 2" RSC
 3-1/C #2

(B) FEED POINT CABINET (S.O.P.)
 EXTENDED FROM CABINET TO
 GROUND MOUNTED TRANSFORMER:
 2" RSC
 3-1/C #2
 EXTEND FROM CABINET TO HH 10:
 2" RSC
 3-1/C #2

SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 6 PHASE, WITH PHASES 1 AND 5 BEING PROTECTED/PERMISSIVE LEFT TURN PHASES.
- PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.



(1) PA100 POLE FOUNDATION
 TYPE PA100-A-15-X35 (DAVIT AT 0 DEG)
 1- X35/CAM 400 (MOUNTED AT 0 DEG)
 (INCLUDES LIGHTNING ROD, 7/16" GROUND
 BRAID AND GROUND ROD)
 VIDEO CAMERA W/MOUNT
 ONE-WAY SIGNAL OVERHEAD AT 0'
 TYPE 10B POLE MOUNTED 90 DEG
 TYPE 10B POLE MOUNTED 180 DEG

**F&I * ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASE 1+6)**

LUMINAIRE-LED (FOR 40' MOUNTING HEIGHT)
 1-APS PB AND SIGN (LT ARROW) (PB6-2)
 1-R10-12 SIGN ADJACENT TO HEAD (6-1)
 TYPE D SIGN
 EXTEND INTO HH 2:
 3" RSC
 2-12/C #12
 1-3/C #12
F&I * 1-3/C #14
 1-3/C #20
 1-7/16" GROUNDING BRAID TO GROUND ROD
 1-COM CABLE (CAT 5E)

PED PB STATION
 1-APS PB AND SIGN
 (LT ARROW) (PB8-1)
 EXTEND INTO HH 2:
 1 1/4" PVC
 1-2/C #14

1 1/4" RSC
 1-2/C #14

3" RSC
 2-12/C #12
 1-3/C #12
F&I * 1-3/C #14
F&I * 1-3/C #20
 4-27/C #14

(2) PEDESTAL FOUNDATION
 10' PEDESTAL POLE PLUS BASE
 TYPE 2C

**F&I * ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASE 4)**

1-APS PB AND SIGN (LT ARROW) (PB4-2)
 EXTEND INTO HH 4:
 3" RSC
 2-12/C #12
 1-3/C #12
F&I * 1-3/C #14
F&I * 1-3/C #20

PED PB STATION
 1-APS PB AND SIGN
 (RT ARROW) (PB6-1)
 EXTEND INTO HH 4:
 1 1/4" PVC
 1-2/C #14

1 1/4" RSC
 1-2/C #14

(4) PEDESTAL FOUNDATION
 10' PEDESTAL POLE PLUS BASE
 TYPE 2C

**F&I * ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASE 8)**

1-APS PB AND SIGN (RT ARROW) (PB8-2)
 EXTEND INTO HH 1A:
 3" RSC
 2-12/C #12
 1-3/C #12
F&I * 1-3/C #14
 1-3/C #20

INTERCONNECT TO
 T. H. 36/95 N JCT
 (MAIN ST) AT
 CHESTNUT ST
 2" RSC
 1-FO CABLE (6SM)

PED PB STATION
 1-APS PB AND SIGN
 (LT ARROW) (PB2-1)
 EXTEND INTO HH 1B:
 1 1/4" PVC
 1-2/C #14

(3) PA100 POLE FOUNDATION
 TYPE PA100-A-25-X35 (DAVIT AT 0 DEG)
 TWO-WAY SIGNAL OVERHEAD AT 0'
 TYPE 10B POLE MOUNTED 90 DEG
 TYPE 10B POLE MOUNTED 180 DEG

**F&I * ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASE 2+5)**

LUMINAIRE (SHOEBOX)
 1-APS PB AND SIGN (LT ARROW) (PB2-2)
 1-R10-12 SIGN ADJACENT TO HEAD (2-1)
 TYPE D SIGN
 "HOSPITAL" SIGN
 EXTEND INTO HH 5:
 3" RSC
 2-12/C #12
 1-3/C #12
F&I * 1-3/C #14
 1-3/C #20

PED PB STATION
 1-APS PB AND SIGN
 (LT ARROW) (PB4-1)
 EXTEND INTO HH 5:
 1 1/4" PVC
 1-2/C #14

(4) PEDESTAL FOUNDATION
 10' PEDESTAL POLE PLUS BASE
 TYPE 2C

**F&I * ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASE 8)**

1-APS PB AND SIGN (RT ARROW) (PB8-2)
 EXTEND INTO HH 1A:
 3" RSC
 2-12/C #12
 1-3/C #12
F&I * 1-3/C #14
 1-3/C #20

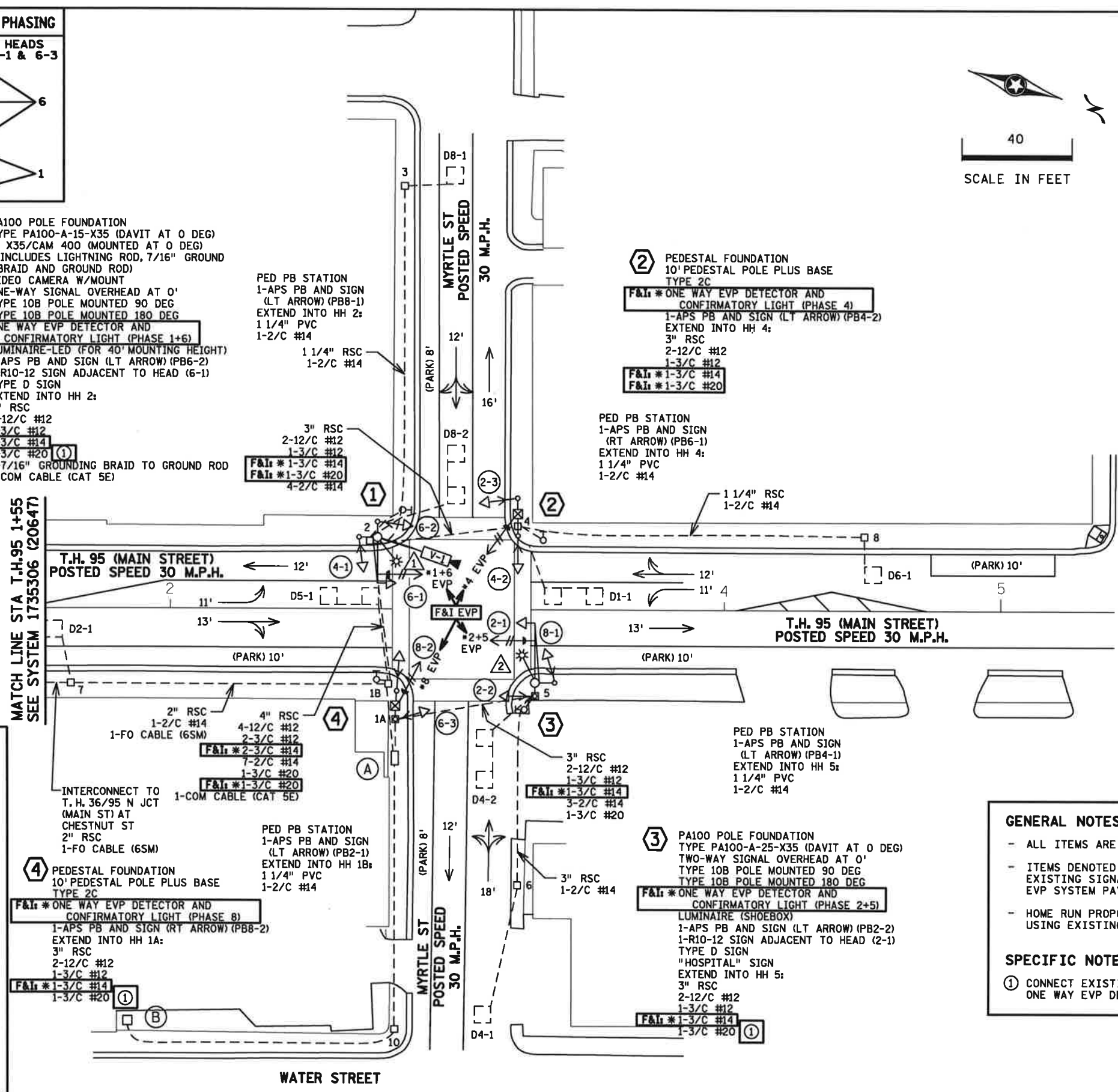
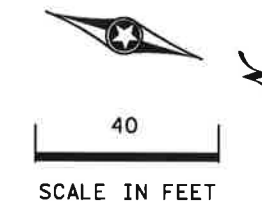
(3) PA100 POLE FOUNDATION
 TYPE PA100-A-25-X35 (DAVIT AT 0 DEG)
 TWO-WAY SIGNAL OVERHEAD AT 0'
 TYPE 10B POLE MOUNTED 90 DEG
 TYPE 10B POLE MOUNTED 180 DEG

**F&I * ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT (PHASE 2+5)**

LUMINAIRE (SHOEBOX)
 1-APS PB AND SIGN (LT ARROW) (PB2-2)
 1-R10-12 SIGN ADJACENT TO HEAD (2-1)
 TYPE D SIGN
 "HOSPITAL" SIGN
 EXTEND INTO HH 5:
 3" RSC
 2-12/C #12
 1-3/C #12
F&I * 1-3/C #14
 1-3/C #20

| LOOP DETECTOR CHART | | |
|---------------------|-----------|----------|
| NUMBER | SIZE (FT) | LOCATION |
| D1-1 | 2-6x6 | 5 & 20 |
| D2-1 | 6x6 | 120 |
| D4-1 | 6x6 | 110 |
| D4-2 | 2-6x6 | 10 & 25 |
| D5-1 | 2-6x6 | 5 & 20 |
| D6-1 | 6x6 | 120 |
| D8-1 | 6x6 | 120 |
| D8-2 | 2-6x6 | 10 & 25 |

- ALL LOOP DETECTORS ARE PVC
 - LOCATION: DISTANCE FROM
 CROSSWALK/STOP BAR IN FEET



GENERAL NOTES:

- ALL ITEMS ARE INPLACE UNLESS OTHERWISE NOTED.
- ITEMS DENOTED WITH AN * ARE REVISIONS TO THE EXISTING SIGNAL PLAN AND ARE INCLUDED IN THE EVP SYSTEM PAY ITEM.
- HOME RUN PROPOSED WIRES BACK TO CABINET USING EXISTING CONDUIT SYSTEM.

SPECIFIC NOTES:

① CONNECT EXISTING 3/C #20 TO PROPOSED ONE WAY EVP DETECTOR.

SYSTEM ID: 1735627 T.E.
 METER ADDRESS: 110 WATER ST. N.
 OLD ID: 21353 T.E.

| NO. | DATE | BY | DESCRIPTION OF REVISIONS |
|-----|-----------|------|---|
| 1 | 1-29-2013 | GDSU | UPDATE SIGNAL |
| 2 | 8-7-2017 | GDSU | INSTALL CAMERA, LED LUMINAIRE ON POLE 1 |
| 3 | 8-12-2021 | TKDA | ADD EVP |

DES: LKG
 DRW: LKG
 CHK: JAH

I HEREBY CERTIFY THAT THIS SHEET 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

SIGNATURE: *Lindsay K. Gaines* LIC. NO. 58894 DATE: 8/23/2021

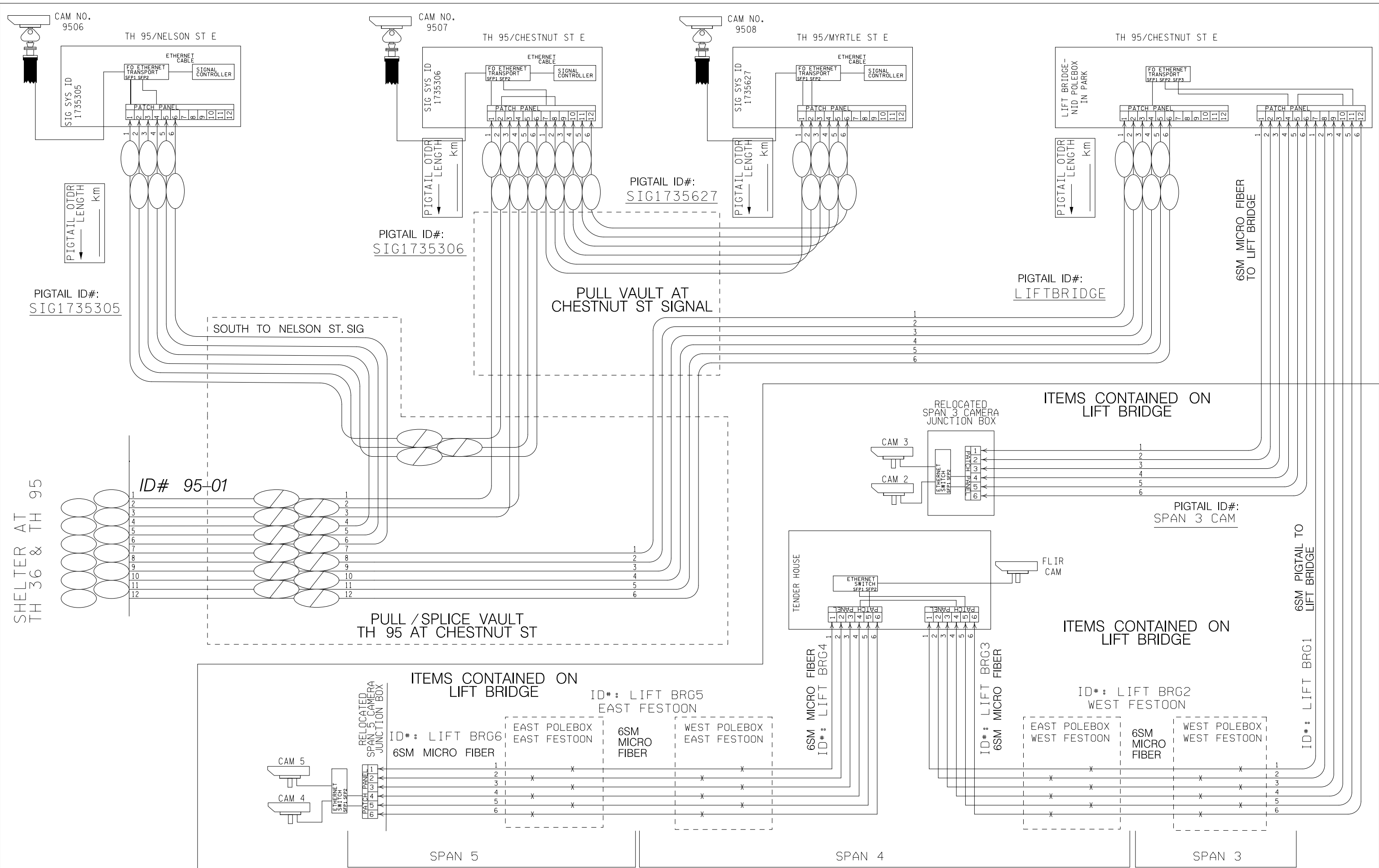
TKDA

TH 95 (MAIN ST) AT MYRTLE ST
 SYSTEM A

S.A.P. 169-010-008

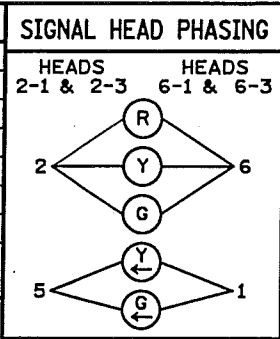
INTERSECTION LAYOUT
 SHEET NO. 4 OF 11 SHEETS

\$STATION\$ \$TMS\$
\$PLOTTED:\$ \$TIME\$



PLOTTED/REVISED: 12/11/2017

| SIGNAL FACE CHART | | | | | |
|-------------------|---|---|---|---|---|
| FACE | R | Y | G | Y | G |
| 2-1, 2-3 | ○ | ○ | ○ | ◀ | ◀ |
| 2-2 | ○ | ○ | ○ | | |
| 4-1, 4-2 | ○ | ○ | ○ | | |
| 6-1, 6-3 | ○ | ○ | ○ | ◀ | ◀ |
| 6-2 | ○ | ○ | ○ | | |
| 8-1, 8-2 | ○ | ○ | ○ | | |



(A) EQUIPMENT PAD SERVICE CABINET CONTROLLER AND CABINET

4" RSC TO HH 1B: 4" RSC TO HH 1A:
 4-12/C #12 4-12/C #12
 2-3/C #12 2-3/C #12
 11-2/C #14 3-2/C #14
 1-3/C #20 2-3/C #20

* F&I 1-COM CABLE (CAT 5E)

3" RSC TO HH 1B:
 * REMOVE 1-12PR #19
 * F&I 1-FO CABLE (6SM)

CONTROLLER CABINET TO SERVICE CABINET:
 2" RSC
 2-1/C #6
 1-1/C #6 BR. GR.

SIGNAL SERVICE TO SOP VIA HH 10:
 2" RSC
 3-1/C #2

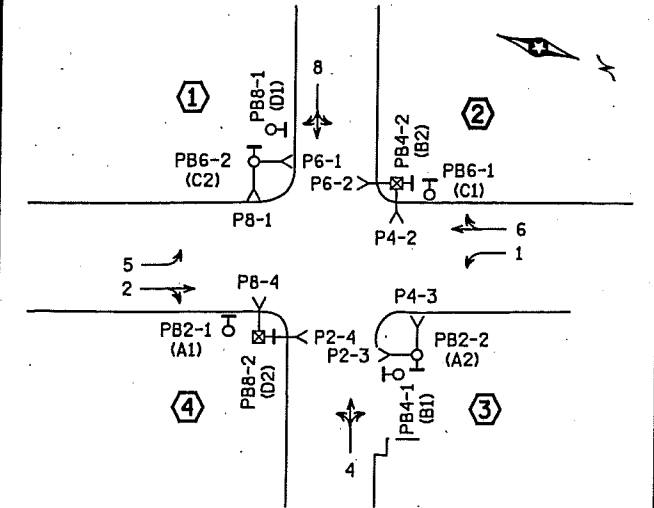
(B) FEED POINT CABINET (S.O.P.) EXTENDED FROM CABINET TO GROUND MOUNTED TRANSFORMER:
 2" RSC
 3-1/C #2

EXTEND FROM CABINET TO HH 10:
 2" RSC
 3-1/C #2

SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 6 PHASE, WITH PHASES 1 AND 5 BEING PROTECTED/PERMISSIVE LEFT TURN PHASES.
- PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.

CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS



PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED AS SHOWN ABOVE

(1) PA100 POLE FOUNDATION TYPE PA100-A-15-X35 (DAVIT AT 0 DEG)
 REMOVE: X35 (DAVIT AT 0 DEG)
 F&I 1- X35/CAM 400 (MOUNTED AT 0 DEG) (INCLUDES LIGHTNING ROD, 7/16" GROUND BRAID AND GROUND ROD)
 INSTALL: VIDEO CAMERA W/MOUNT

ONE-WAY SIGNAL OVERHEAD AT 0'
 TYPE 10B POLE MOUNTED 90 DEG
 TYPE 10B POLE MOUNTED 180 DEG

REMOVE: LUMINAIRE (SHOEBOX)
 F&I LUMINAIRE-LED (FOR 40' MOUNTING HEIGHT)

1-APS PB AND SIGN (LT ARROW) (PB6-2)
 1-R10-12 SIGN ADJACENT TO HEAD (6-1)
 TYPE D SIGN
 EXTEND INTO HH 2:
 3" RSC
 2-12/C #12
 1-3/C #12
 1-3/C #20

F&I 1-7/16" GROUNDING BRAID TO GROUND ROD
 F&I 1-COM CABLE (CAT 5E)

PED PB STATION
 1-APS PB AND SIGN (LT ARROW) (PB8-1)
 EXTEND INTO HH 2:
 1 1/4" PVC
 1-2/C #14

1 1/4" RSC
 1-2/C #14

3" RSC
 2-12/C #12
 1-3/C #12
 4-2/C #14

(2) PEDESTAL FOUNDATION 10' PEDESTAL POLE PLUS BASE TYPE 2C
 1-APS PB AND SIGN (LT ARROW) (PB4-2)
 EXTEND INTO HH 4:
 3" RSC
 2-12/C #12
 1-3/C #12

PED PB STATION
 1-APS PB AND SIGN (RT ARROW) (PB6-1)
 EXTEND INTO HH 4:
 1 1/4" PVC
 1-2/C #14

1 1/4" RSC
 1-2/C #14

MATCH LINE STA T.H.95 1+55
 SEE SYSTEM 1735306 (20647)

T.H. 95 (MAIN STREET)
 POSTED SPEED 30 M.P.H.

T.H. 95 (MAIN STREET)
 POSTED SPEED 30 M.P.H.

2" RSC
 1-2/C #14
 * REMOVE: 1-12PR #19
 * F&I 1-FO CABLE (6SM)

4" RSC
 4-12/C #12
 2-3/C #12
 7-2/C #14
 1-3/C #20

* F&I 1-COM CABLE (CAT 5E)

INTERCONNECT TO T. H. 36/95 N JCT (MAIN ST) AT CHESTNUT ST
 2" RSC
 * REMOVE: 1-12PR #19
 * F&I 1-FO CABLE (6SM)

(4) PEDESTAL FOUNDATION 10' PEDESTAL POLE PLUS BASE TYPE 2C
 1-APS PB AND SIGN (RT ARROW) (PB8-2)
 EXTEND INTO HH 1A:
 3" RSC
 2-12/C #12
 1-3/C #12
 1-3/C #20

PED PB STATION
 1-APS PB AND SIGN (LT ARROW) (PB2-1)
 EXTEND INTO HH 1B:
 1 1/4" PVC
 1-2/C #14

PED PB STATION
 1-APS PB AND SIGN (LT ARROW) (PB4-1)
 EXTEND INTO HH 5:
 1 1/4" PVC
 1-2/C #14

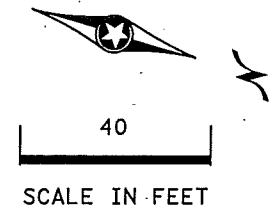
3" RSC
 2-12/C #12
 1-3/C #12
 3-2/C #14
 1-3/C #20

(3) PA100 POLE FOUNDATION TYPE PA100-A-25-X35 (DAVIT AT 0 DEG)
 TWO-WAY SIGNAL OVERHEAD AT 0'
 TYPE 10B POLE MOUNTED 90 DEG
 TYPE 10B POLE MOUNTED 180 DEG
 LUMINAIRE (SHOEBOX)
 1-APS PB AND SIGN (LT ARROW) (PB2-2)
 1-R10-12 SIGN ADJACENT TO HEAD (2-1)
 TYPE D SIGN
 "HOSPITAL" SIGN
 EXTEND INTO HH 5:
 3" RSC
 2-12/C #12
 1-3/C #12
 1-3/C #20

NOTES:
 1. ALL ITEMS ARE INPLACE UNLESS OTHERWISE NOTED.
 2. * DENOTES WORK TO BE COMPLETED AS PART OF THE TMS PLAN. SEE THE TMS PLAN ON SHEETS SZ4-SZ8.

| LOOP DETECTOR CHART | | |
|---------------------|-----------|----------|
| NUMBER | SIZE (FT) | LOCATION |
| D1-1 | 2-6x6 | 5 & 20 |
| D2-1 | 6x6 | 120 |
| D4-1 | 6x6 | 110 |
| D4-2 | 2-6x6 | 10 & 25 |
| D5-1 | 2-6x6 | 5 & 20 |
| D6-1 | 6x6 | 120 |
| D8-1 | 6x6 | 120 |
| D8-2 | 2-6x6 | 10 & 25 |

-ALL LOOP DETECTORS ARE PVC
 -LOCATION: DISTANCE FROM CROSSWALK/STOP BAR IN FEET



DISTRICT #: METRO
PLOT NAME: T213531W.sgl
PATH & FILENAME: IP_PWP-dj1669502\T213531W.sgl.dgn

| BY | DATE | REVISIONS |
|----|------|-----------|
| | | |

SYSTEM ID: 1735627 T.E.
 METER ADDRESS: 110 WATER ST. N.
 OLD ID: 21353 T.E.

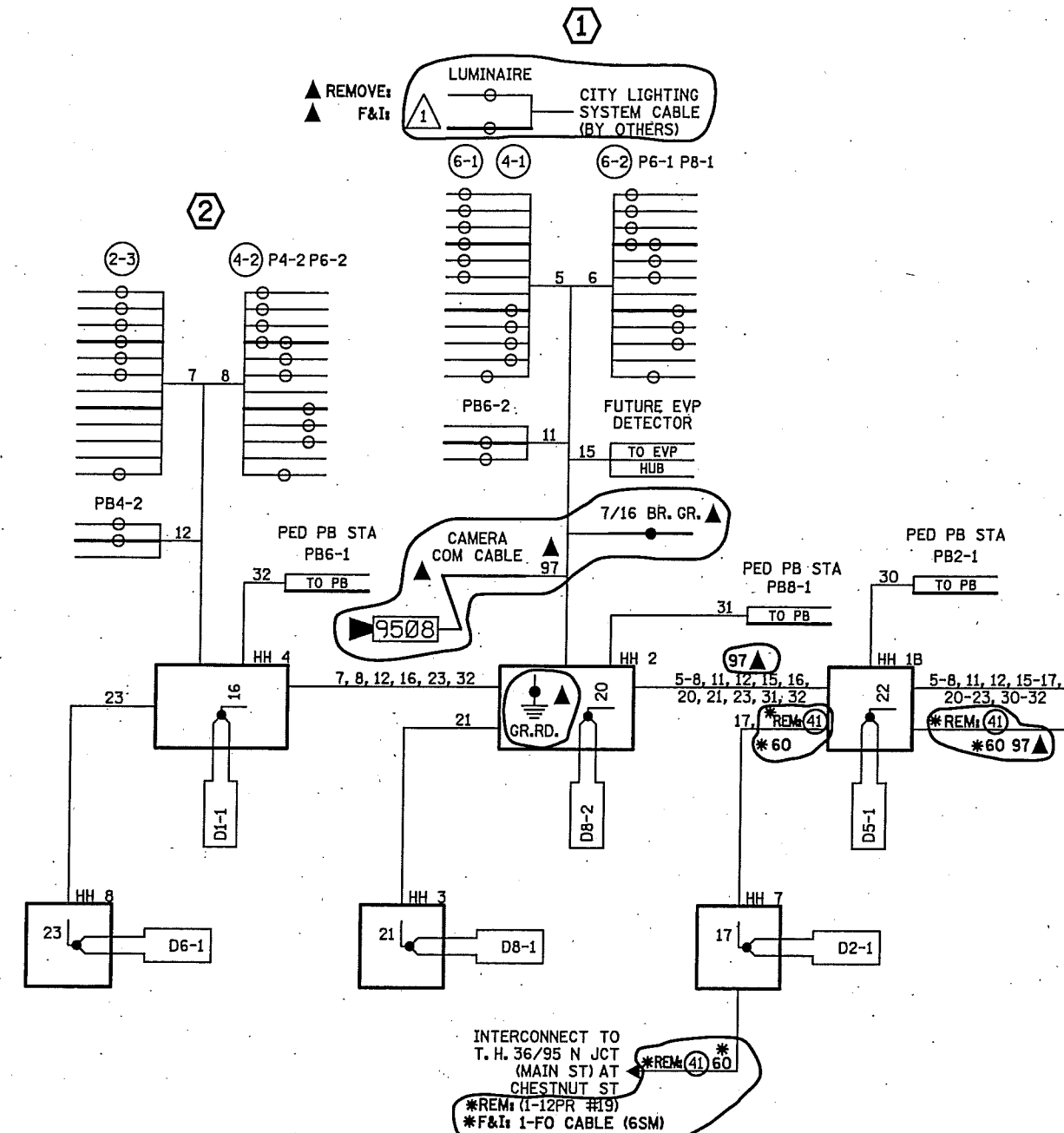
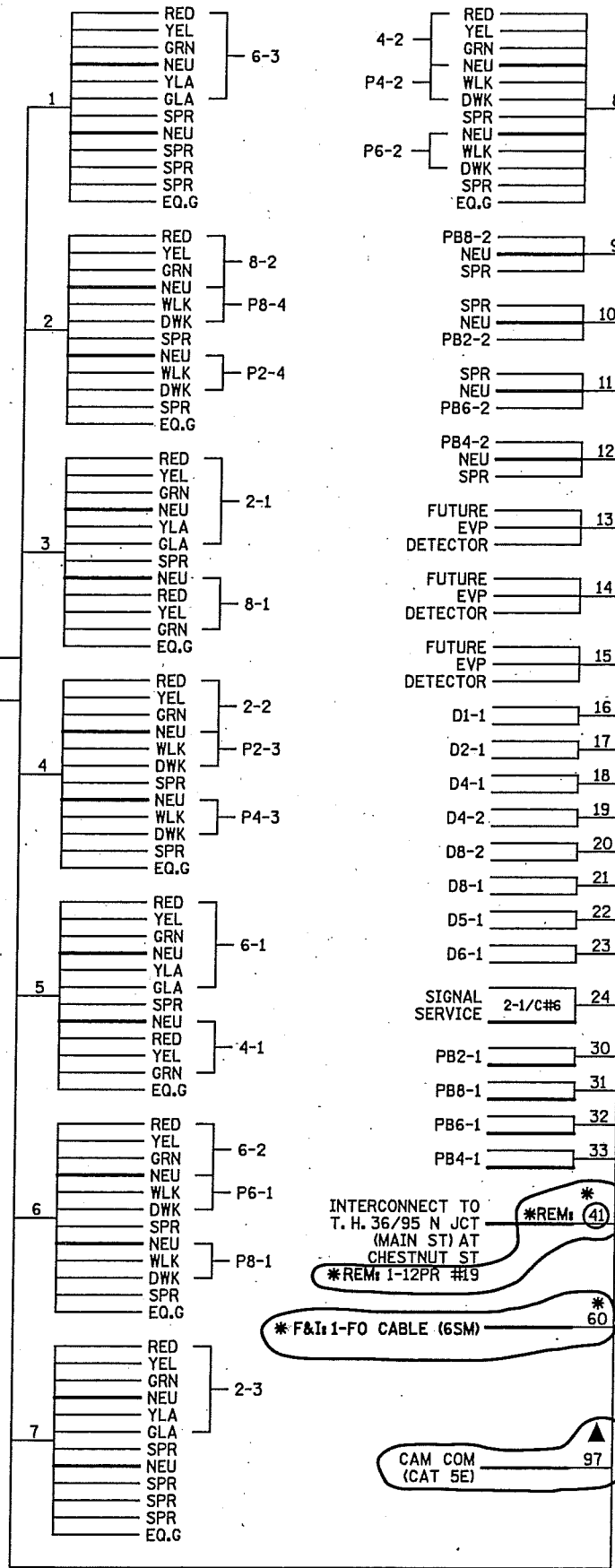
INTERSECTION LAYOUT
 REVISE SIGNAL SYSTEM C
 T.H. 95 (MAIN ST.) AT MYRTLE ST.
 IN STILLWATER, WASHINGTON COUNTY

S.A.P. NO. _____ DRAWN BY: CDB CKD BY: CDB DATE: 5-26-17
 CERTIFIED BY: *Michael P. Subensky* LIC. NO. 19863 DATE: 8-7-2017
 STATE PROJ. NO. 8214-172 (T.H.36) SHEET NO. SS9 OF SS10 SHEETS

PLOTTED/REVISED: 12/11/2017

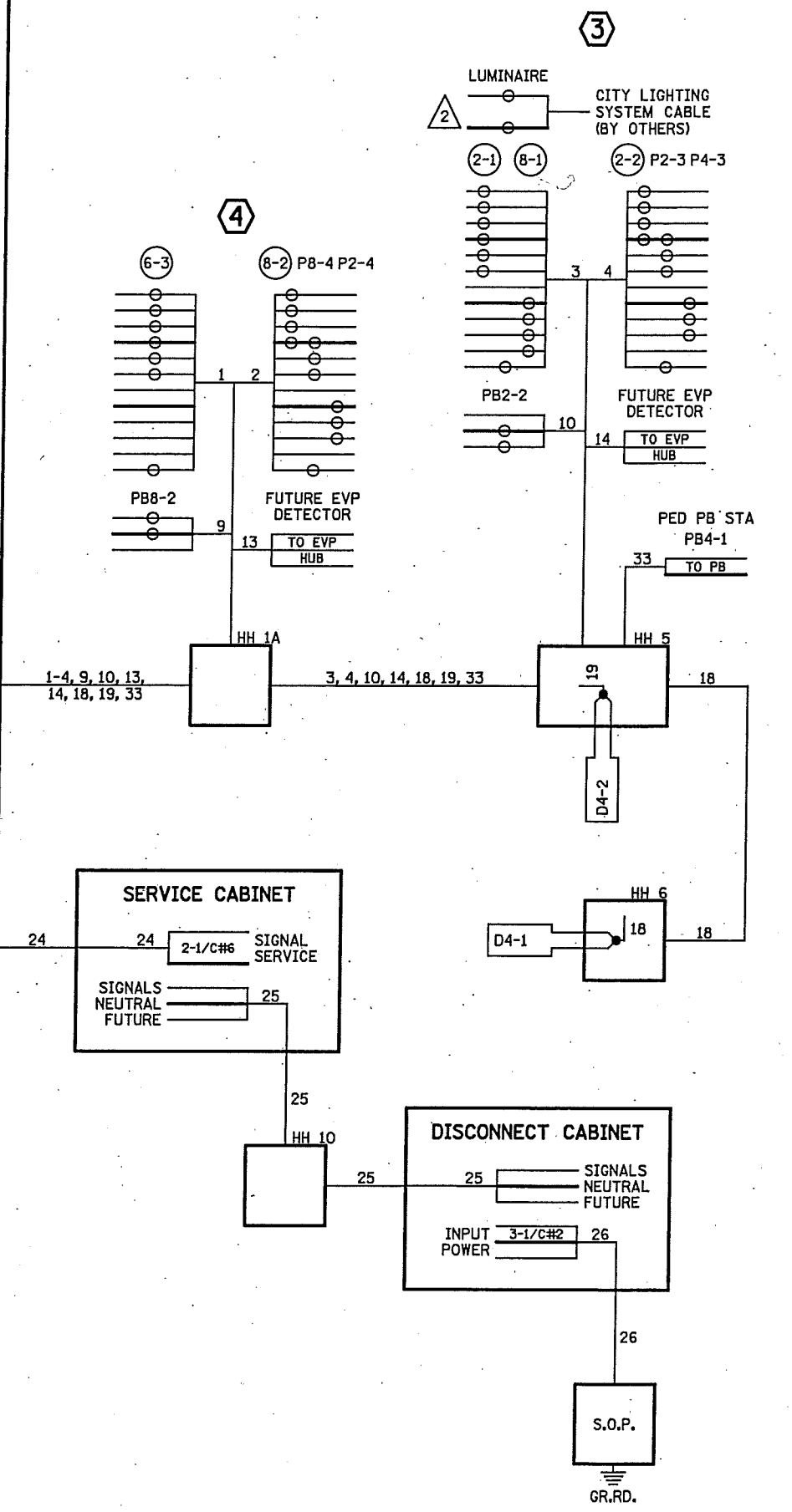
DISTRICT: METRO
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CONTROLLER CABINET



| CONDUCTOR COLOR CODING | |
|------------------------|-----------|
| R | BLK |
| O | 2-1/C#6 |
| BL | 2-1/C#10 |
| WH | |
| R/BLK | R |
| O/BLK | WH |
| BL/BLK | 3/C#12 |
| WH/BLK | BLK |
| BLK | BLK |
| BLK/WH | 2/C#14 |
| G/BLK | CLR |
| G | |
| 12PR#19 | R OR O |
| | WH OR YEL |
| | 3/C#20 |
| | BLK OR BL |

- NOTES:
- ALL ITEMS ARE INPLACE UNLESS NOTED OTHERWISE.
 - * DENOTES WORK TO BE COMPLETED AS PART OF THE TMS PLAN. SEE THE TMS PLAN ON SHEETS SZ4-SZ8.
 - ▲ DENOTES WORK TO BE DONE AS PART OF THE SIGNAL REVISION PAY ITEM.

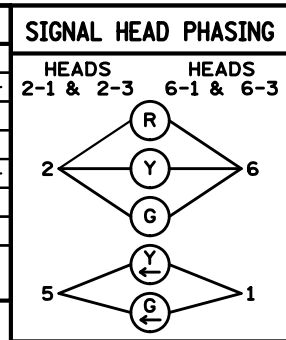


| CONDUCTOR COLOR CODING | |
|------------------------|----------|
| R | BLK |
| O | 2-1/C#6 |
| BL | 2-1/C#10 |
| WH | |
| R/BLK | R |
| O/BLK | WH |
| BL/BLK | 3/C#12 |
| WH/BLK | BLK |
| BLK | BLK |
| BLK/WH | 2/C#14 |
| G/BLK | CLR |
| G | |
| 12PR | |

PLOTTED/REVISED: 1/29/2013

DISTRICT #: METRO
PLOT NAME: layout
PATH & FILENAME: IP_PWP-d078204\T21353LW_sgl.dgn

| SIGNAL FACE CHART | | | | | |
|-------------------|---|---|---|---|---|
| FACE | R | Y | G | Y | G |
| 2-1, 2-3 | ○ | ○ | ○ | ← | ← |
| 2-2 | ○ | ○ | ○ | | |
| 4-1, 4-2 | ○ | ○ | ○ | | |
| 6-1, 6-3 | ○ | ○ | ○ | ← | ← |
| 6-2 | ○ | ○ | ○ | | |
| 8-1, 8-2 | ○ | ○ | ○ | | |



(A) EQUIPMENT PAD SERVICE CABINET CONTROLLER AND CABINET
 4" RSC TO HH 1B: 4" RSC TO HH 1A:
 4-12/C #12 4-12/C #12
 2-3/C #12 2-3/C #12
 11-2/C #14 3-2/C #14
 1-3/C #20 2-3/C #20
 3" RSC TO HH 1B:
 1-12PR #19

CONTROLLER CABINET TO SERVICE CABINET:
 2" RSC
 2-1/C #6
 1-1/C #6 BR. GR.
 SIGNAL SERVICE TO SOP VIA HH 10:
 2" RSC
 3-1/C #2

(B) FEED POINT CABINET (S.O.P.) EXTENDED FROM CABINET TO GROUND MOUNTED TRANSFORMER:
 2" RSC
 3-1/C #2
 EXTEND FROM CABINET TO HH 10:
 2" RSC
 3-1/C #2

(1) PA100 POLE FOUNDATION
 TYPE PA100-A-15-X35 (DAVIT AT 0 DEG)
 ONE-WAY SIGNAL OVERHEAD AT 0'
 TYPE 10B POLE MOUNTED 90 DEG
 TYPE 10B POLE MOUNTED 180 DEG
 LUMINAIRE (SHOEBOX)
 1-APS PB AND SIGN (LT ARROW) (PB6-2)
 1-R10-12 SIGN ADJACENT TO HEAD (6-1)
 TYPE D SIGN
 EXTEND INTO HH 2:
 3" RSC
 2-12/C #12
 1-3/C #12
 1-3/C #20

PED PB STATION
 1-APS PB AND SIGN (LT ARROW) (PB8-1)
 EXTEND INTO HH 2:
 1 1/4" PVC
 1-2/C #14

(2) PEDESTAL FOUNDATION
 10' PEDESTAL POLE PLUS BASE
 TYPE 2C
 1-APS PB AND SIGN (LT ARROW) (PB4-2)
 EXTEND INTO HH 4:
 3" RSC
 2-12/C #12
 1-3/C #12

PED PB STATION
 1-APS PB AND SIGN (RT ARROW) (PB6-1)
 EXTEND INTO HH 4:
 1 1/4" PVC
 1-2/C #14

MATCHLINE STA T.H.95 1+55

T.H. 95 (MAIN STREET) POSTED SPEED 30 M.P.H.

T.H. 95 (MAIN STREET) POSTED SPEED 30 M.P.H.

MYRTLE ST POSTED SPEED 30 M.P.H.

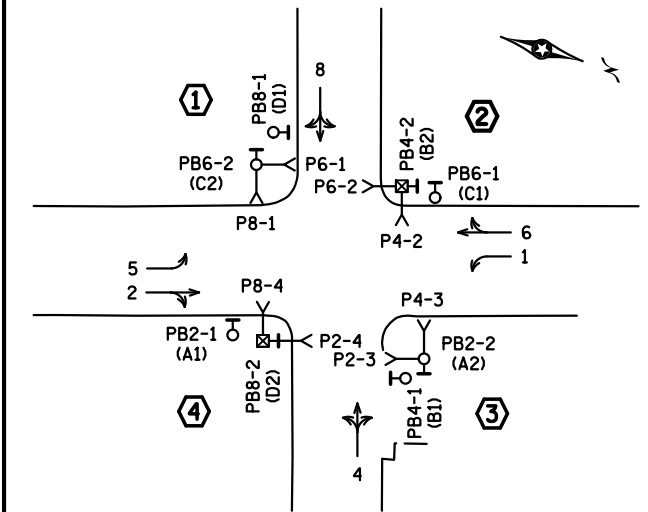
MYRTLE ST POSTED SPEED 30 M.P.H.

WATER STREET

SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 6 PHASE, WITH PHASES 1 AND 5 BEING PROTECTED/PERMISSIVE LEFT TURN PHASES.
- PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.

CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS



PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED AS SHOWN ABOVE

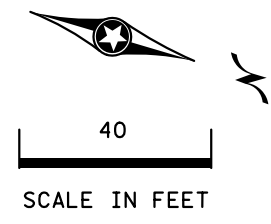
(4) PEDESTAL FOUNDATION
 10' PEDESTAL POLE PLUS BASE
 TYPE 2C
 1-APS PB AND SIGN (RT ARROW) (PB8-2)
 EXTEND INTO HH 1A:
 3" RSC
 2-12/C #12
 1-3/C #12
 1-3/C #20

PED PB STATION
 1-APS PB AND SIGN (LT ARROW) (PB4-1)
 EXTEND INTO HH 5:
 1 1/4" PVC
 1-2/C #14

(3) PA100 POLE FOUNDATION
 TYPE PA100-A-25-X35 (DAVIT AT 0 DEG)
 TWO-WAY SIGNAL OVERHEAD AT 0'
 TYPE 10B POLE MOUNTED 90 DEG
 TYPE 10B POLE MOUNTED 180 DEG
 LUMINAIRE (SHOEBOX)
 1-APS PB AND SIGN (LT ARROW) (PB2-2)
 1-R10-12 SIGN ADJACENT TO HEAD (2-1)
 TYPE D SIGN
 "HOSPITAL" SIGN
 EXTEND INTO HH 5:
 3" RSC
 2-12/C #12
 1-3/C #12
 1-3/C #20

| LOOP DETECTOR CHART | | |
|---------------------|-----------|----------|
| NUMBER | SIZE (FT) | LOCATION |
| D1-1 | 2-6x6 | 5 & 20 |
| D2-1 | 6x6 | 120 |
| D4-1 | 6x6 | 110 |
| D4-2 | 2-6x6 | 10 & 25 |
| D5-1 | 2-6x6 | 5 & 20 |
| D6-1 | 6x6 | 120 |
| D8-1 | 6x6 | 120 |
| D8-2 | 2-6x6 | 10 & 25 |

-ALL LOOP DETECTORS ARE PVC
 -LOCATION: DISTANCE FROM CROSSWALK/STOP BAR IN FEET



REVISED AT MN/DOT BY GDS 01-29-13

| BY | DATE | REVISIONS |
|-----|----------|---------------|
| GDS | 01-29-13 | UPDATE SIGNAL |

SYSTEM ID: 21353 T.E.
 METER ADDRESS: 110 WATER ST. N.
 MASTER ID: T.E.

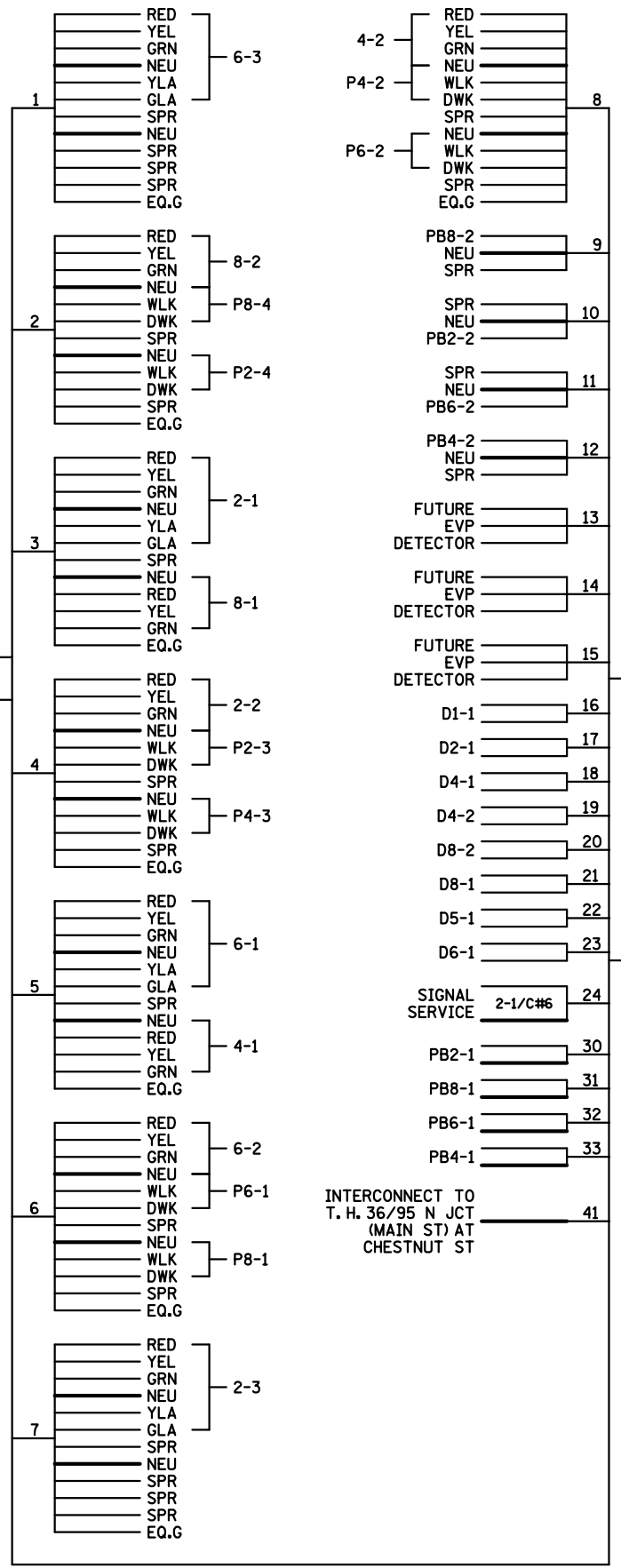
INTERSECTION LAYOUT
 TRAFFIC CONTROL SIGNAL SYSTEM
 T.H. 95 AT MYRTLE ST. (95=MAIN ST.)
 IN STILLWATER, WASHINGTON COUNTY

| | | | |
|-----------------|---------------|-----------|-----------|
| S.A.P. NO. | DRAWN BY: GDS | CKD BY: | DATE: |
| CERTIFIED BY: | LIC. NO.: | DATE: | |
| STATE PROJ. NO. | (T.H. 95) | SHEET NO. | OF SHEETS |

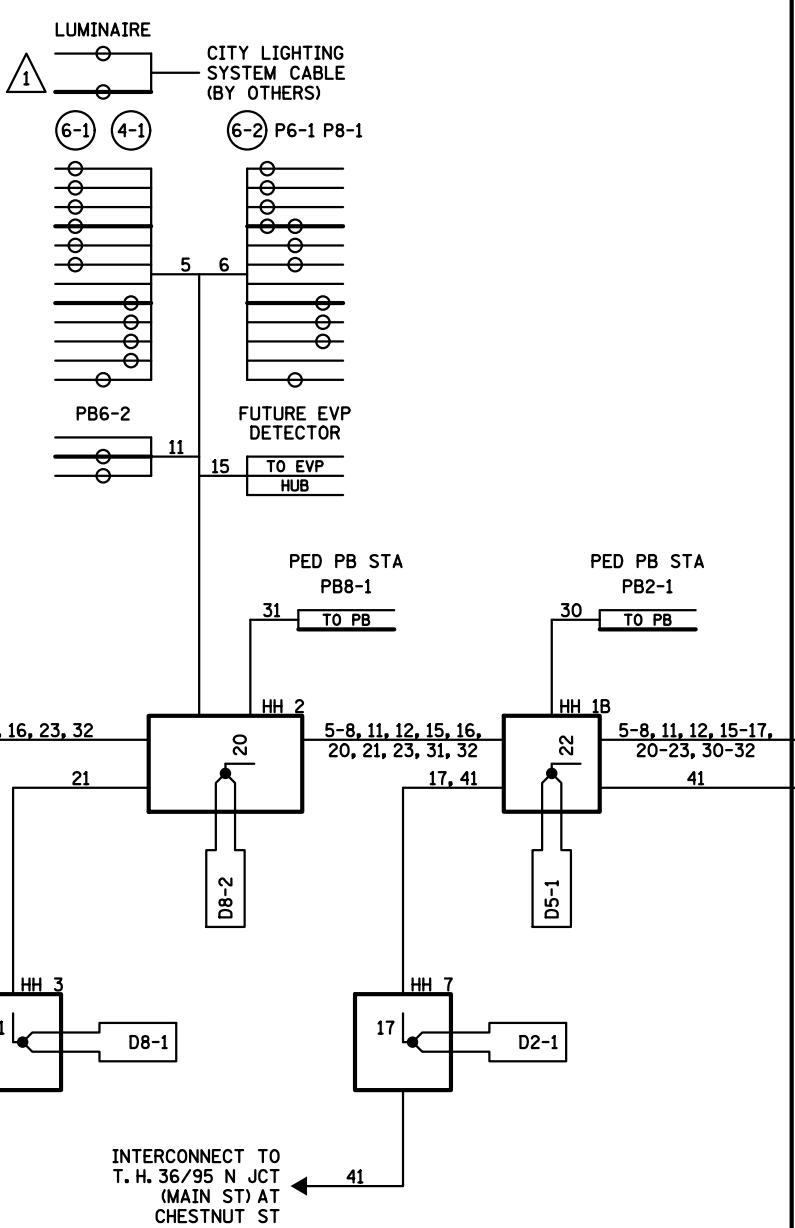
PLOTTED/REVISED: 1/29/2013

DISTRICT #: METRO
IPLOT NAME: wiring
PATH & FILENAME: IP_PWP-d078204\T21353LW_sgl.dgn

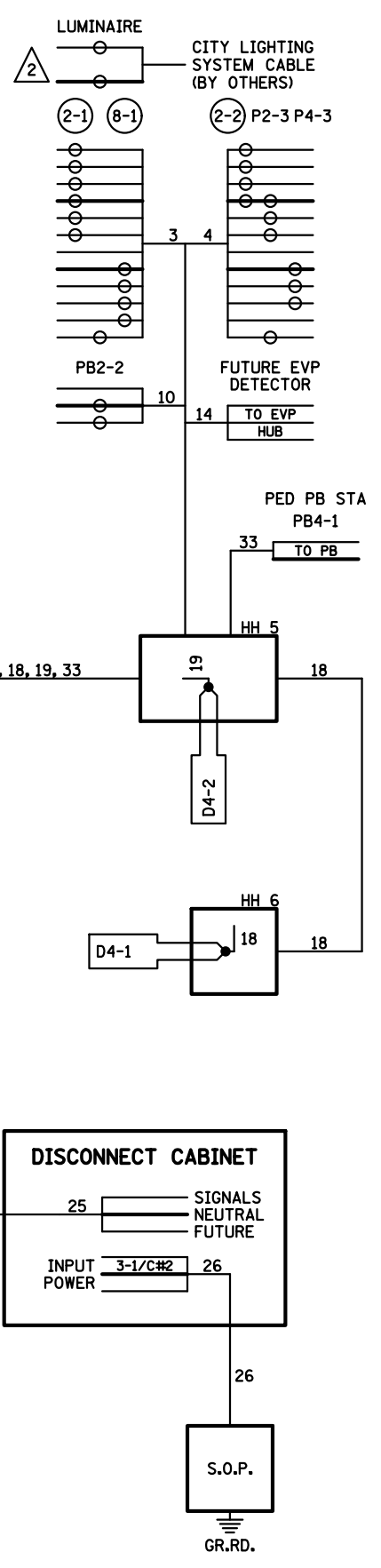
CONTROLLER CABINET



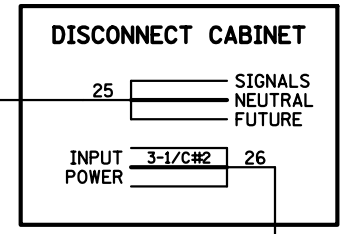
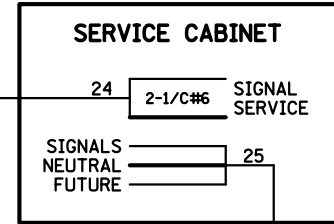
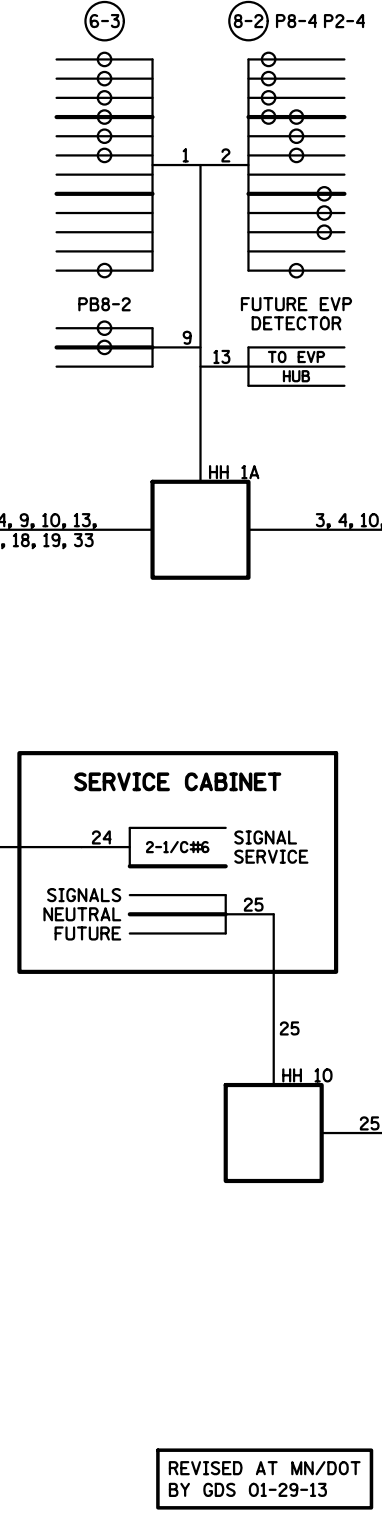
1



3



4



REVISED AT MN/DOT BY GDS 01-29-13

CONDUCTOR COLOR CODING

| | | |
|--------|-----------|----------|
| R | BLK | 2-1/C#6 |
| O | WH | 2-1/C#10 |
| BL | R | 3/C#12 |
| WH | WH | 3/C#12 |
| R/BLK | BLK | 2/C#14 |
| O/BLK | CLR | 2/C#14 |
| BL/BLK | R OR O | 3/C#20 |
| WH/BLK | WH OR YEL | 3/C#20 |
| BLK | BLK OR BL | |
| BLK/WH | | |
| G/BLK | | |
| G | | |

NOTE: ALL TERMINAL BLOCK CONNECTIONS ARE ARRANGED AS SPECIFIED ABOVE

| BY | DATE | REVISIONS |
|-----|----------|---------------|
| GDS | 01-29-13 | UPDATE SIGNAL |

| | |
|---------------------------------|------|
| SYSTEM ID: 21353 | T.E. |
| METER ADDRESS: 110 WATER ST. N. | |
| MASTER ID: | T.E. |

FIELD WIRING DIAGRAM
TRAFFIC CONTROL SIGNAL SYSTEM
T.H. 95 AT MYRTLE ST. (95=MAIN ST.)
IN STILLWATER, WASHINGTON COUNTY

| | | | |
|-----------------|---------------|-----------|-----------|
| S.A.P. NO. | DRAWN BY: GDS | CKD BY: | DATE: |
| CERTIFIED BY | LIC. NO. | DATE: | |
| STATE PROJ. NO. | (T.H. 95) | SHEET NO. | OF SHEETS |