

| LOOP DETECTORS | | |
|----------------|--------------|----------|
| NUMBER | SIZE | LOCATION |
| D1-1 | 6'x6' | 40' |
| D1-2 | 6'x6' | 40' |
| D1-3 | 2-6'x6' | 10' |
| D2-1 | 6'x6' | 250' |
| D2-2 | 6'x6' | 250' |
| D2-3 | 6'x6' | 250' |
| D4-1 | 6'x6' | 180' |
| D4-2 | 6'x6' | 180' |
| D4-3 | 6'x6' | 180' |
| D4-4 | 6'x15',6'x6' | 0' & 10' |
| D4-5 | 6'x6' | 10' |
| D4-6 | 6'x6' | 10' |
| D6-1 | 6'x6' | 310' |
| D6-2 | 6'x6' | 310' |

LOCATION = DISTANCE FROM STOP LINE OR X-WALK TO DETECTOR.
ALL LOOP DETECTORS ARE PVC.

③ PA85 POLE FOUNDATION
TYPE PA85-A-25-D40-9 (DAVIT AT 350 DEG)
LUMINAIRE-200 WATT HPS W/PEC AND TEST SW
ONE WAY EVP DETECTOR AND LIGHT (PH 1+6)
ONE WAY SIGNAL AT 0'
TYPE 10C AT 270 DEG
2-SOLID STATE PBS AND SIGNS (PB4-1, PB6-2)
EXTEND INTO H.H. 5:
3" R.S.C.
1-12/C #12
3-3/C #12
1-3/C #12 (LUM.)
1-3/C #20

④ PEDESTAL FOUNDATION
8' PEDESTAL POLE PLUS BASE
TYPE 4A
SOLID STATE PB AND SIGN (PB6-1)
EXTEND INTO H.H. 7:
3" R.S.C.
1-5/C #12
1-3/C #12

② PEDESTAL FOUNDATION
14' PEDESTAL POLE PLUS BASE
TYPE 6A
SOLID STATE PB AND SIGN (PB4-2)
EXTEND INTO H.H. 4:
3" R.S.C.
1-12/C #12
1-3/C #12

⑤ PA85 POLE FOUNDATION
TYPE PA85-A-30-D40-9 (DAVIT AT 350 DEG)
LUMINAIRE-200 WATT HPS W/PEC AND TEST SW
ONE WAY EVP DETECTOR AND LIGHT (PH 2)
ONE WAY SIGNAL (OVERHEAD)
TYPE 10A AT 0 DEG
TYPE 10B AT 270 DEG
R9-3 SIGN SIGN (FACING POLE 4)
SOLID STATE PB AND SIGN (PB2-2)
EXTEND INTO H.H. 11:
3" R.S.C.
1-12/C #12
3-3/C #12
1-3/C #12 (LUM.)
1-3/C #20

① PA90 POLE FOUNDATION
TYPE PA90-A-40
1-PAIR SWING AWAY HINGES
ONE WAY EVP DETECTOR AND LIGHT (PH 4)
ONE WAY SIGNAL AT 0'
TYPE 10B AT 0 DEG
TYPE 30A AT 270 DEG
2-SOLID STATE PBS AND SIGNS (PB2-1, PB4-3)
EXTEND INTO H.H. 12:
3" R.S.C.
1-12/C #12
5-3/C #12
1-3/C #20

① EQUIPMENT PAD (SEE SHEET NO. 415A)
SERVICE CABINET (SEE SHEET NO. 416)
CONTROLLER CABINET AND CONTROLLER

SERVICE CABINET TO H.H. 1
2" R.S.C.
2-3/C #12 (LUM.)

SERVICE CABINET TO CONTROLLER CABINET
2" R.S.C.
2-1/C #6
1-1/C #6 INS. GR.

SERVICE CABINET TO STEPDOWN TRANS.
2" R.S.C.
3-1/C #4
1-1/C #6 INS. GR.

CONTROLLER CABINET TO H.H. 1
4" R.S.C.
2-12/C #12
1-5/C #12
5-3/C #12
1-3/C #20
9-2/C #14
1-6 PAIR #19

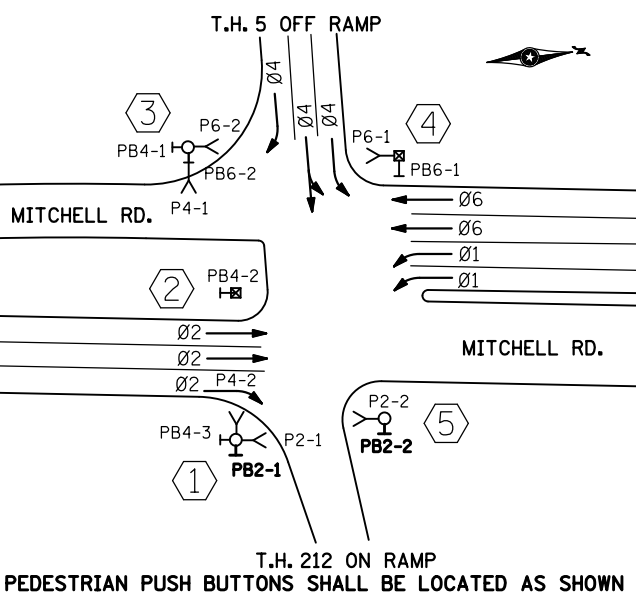
CONTROLLER CABINET TO H.H. 12
4" R.S.C.
2-12/C #12
6-3/C #12
2-3/C #20
5-2/C #14
1-6 PAIR #19

2" R.S.C STUBOUT
(THREADED AND CAPPPED-BOTH ENDS)

| SIGNAL HEAD CHART | | | | | | |
|-----------------------------------|---|---|---|------|------|------|
| ALL SIG. INDICATIONS SHALL BE 12" | | | | | | |
| FACE | R | Y | G | RLTA | YLTA | GLTA |
| 1-1 | | | | ← | ← | ← |
| 1-2 | | | | ← | ← | ← |
| 2-1 | ○ | ○ | ○ | | | |
| 2-2 | ○ | ○ | ○ | | | |
| 4-1 | ○ | ○ | ○ | | | |
| 4-2 | ○ | ○ | ○ | | | |
| 4-3 | ○ | ○ | ○ | | | |
| 6-1 | ○ | ○ | ○ | | | |
| 6-2 | ○ | ○ | ○ | | | |

SIGNAL SYSTEM OPERATION
SIGNAL FLASH MODE SHALL BE ALL RED.
NORMAL OPERATION IS 4-PHASE WITH PHASE 1 PROTECTED LEFT TURNS.
PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.

CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS



T.H. 212 ON RAMP
PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED AS SHOWN

PLOTTED/REVISED: 11/16/2015

DISTRICT #: METRO
PLOT NAME: T22263LW.sgl
PATH & FILENAME: IP_PWP-d0783732NT22263LW.sgl.dgn

| BY | DATE | REVISIONS |
|-----|----------|--------------------------------|
| EJA | 11-16-15 | AS-BUILT OF TE 3873-ADDED PB'S |

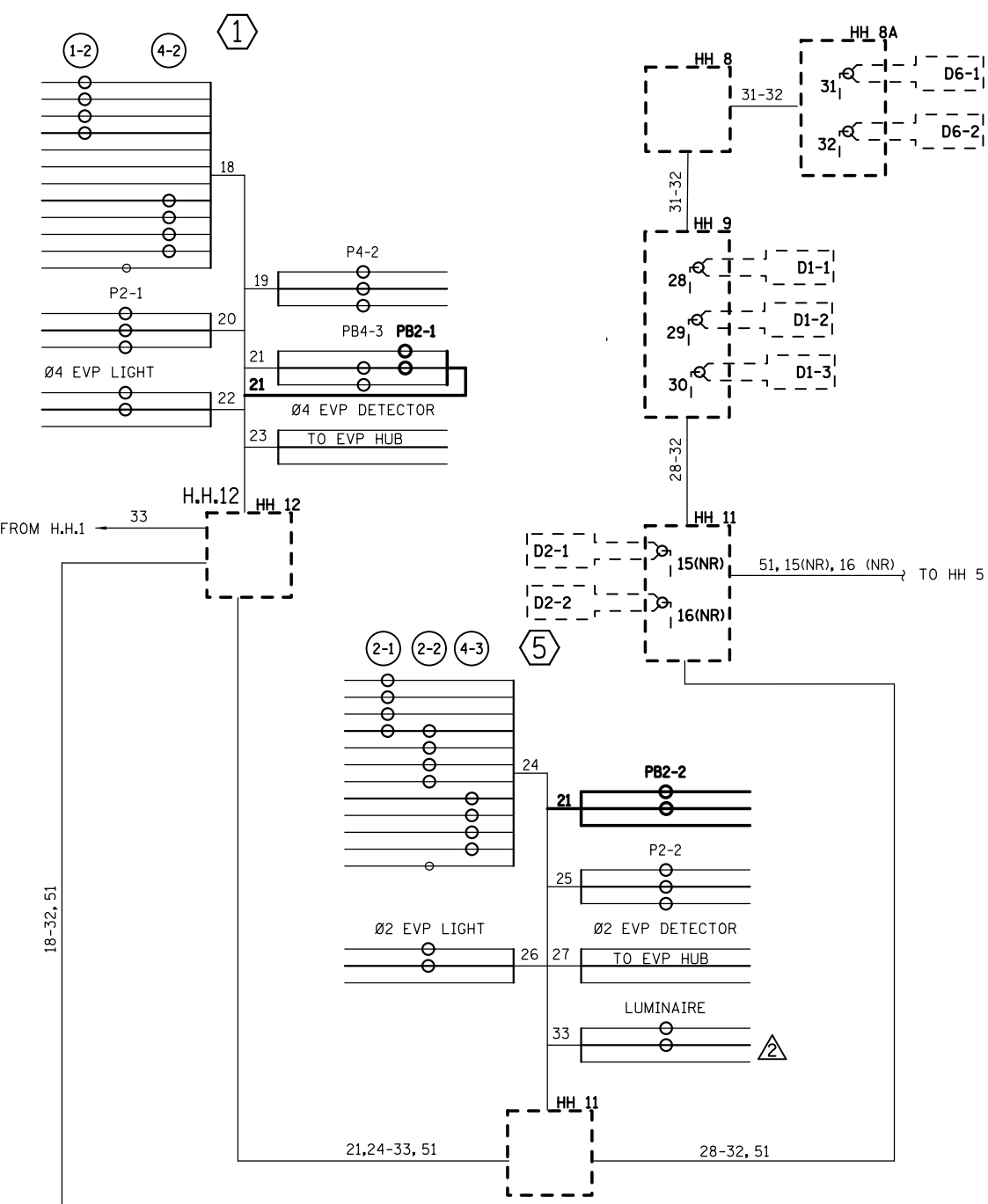
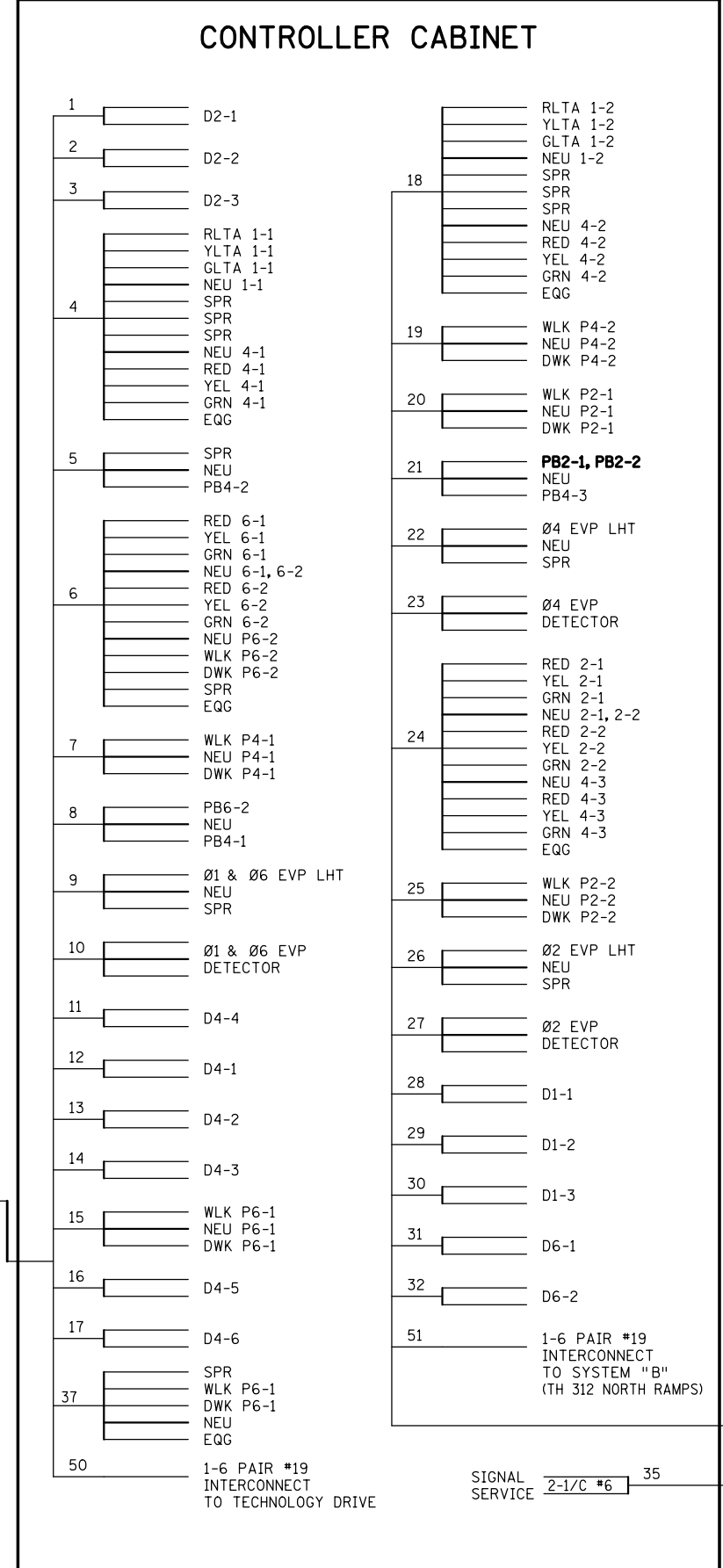
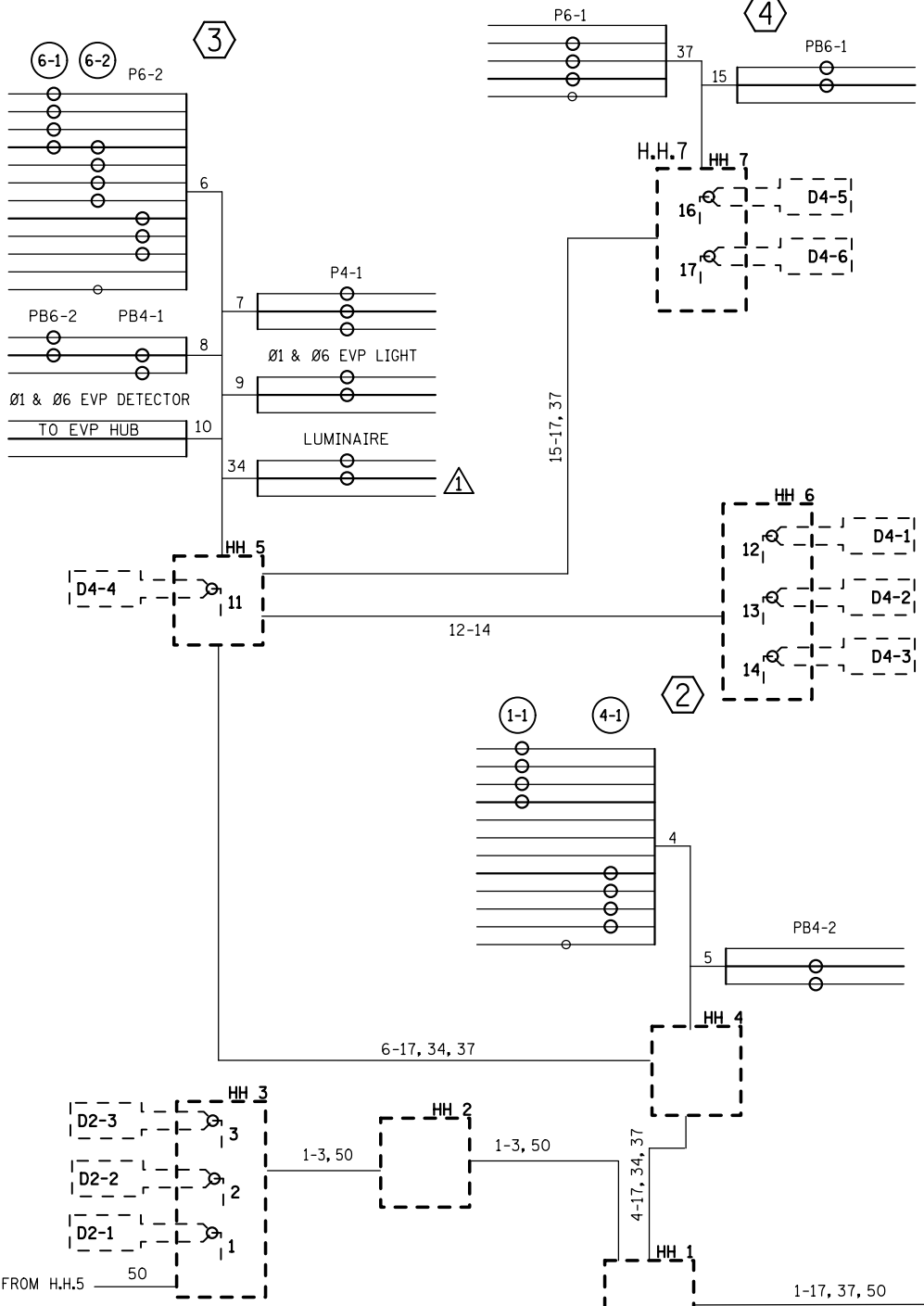
SYSTEM ID: 22263
METER ADDRESS: TH 212 S RAMPS/MITCHELL
MASTER ID:
T.E.
T.E.

INTERSECTION LAYOUT
TH 212/5 AT MITCHELL ROAD S RAMPS
IN EDEN PRAIRIE, HEMNEPIN COUNTY

S.A.P. NO. _____
DRAWN BY: _____ CKD BY: _____ DATE: _____
CERTIFIED BY _____ LIC. NO. _____ DATE: _____
STATE PROJ. NO. _____ (T.H.212/5) SHEET NO. 1 OF 2 SHEETS

PLOTTED/REVISED: 11/16/2015

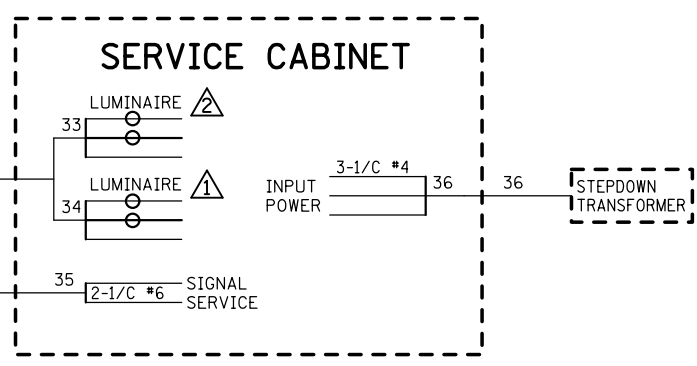
DISTRICT #: METRO
PLOT NAME: T22263LW_sgl
PATH & FILENAME: IP_PWP-d0783732VT22263LW_sgl.dgn



CONDUCTOR COLOR CODING

| | | | |
|---------|--------|--------|-----------|
| 12/C#12 | R | 5/C#12 | R |
| | O | | BL |
| | BL | | WH |
| | WH | | G |
| | R/BLK | | R |
| | O/BLK | | WH |
| | BL/BLK | | G |
| | WH/BLK | | R |
| | BLK | | WH |
| | BLK/WH | | BLK |
| | G/BLK | | R OR O |
| | G | | WH OR YEL |
| | | | BLK OR BL |
| 2-1/C#6 | BLK | 2/C#14 | BLK |
| | WH | | CLEAR |

NOTE: ALL TERMINAL BLOCK CONNECTIONS SHALL BE ARRANGED AS SPECIFIED ABOVE



| | | | | | | | | | |
|---------|----------------|---|--|------|--|---------------------|-----------------------|-------------|----------|
| BY: EJA | DATE: 11-16-15 | REVISIONS: AS-BUILT OF TE 3873-ADDED PB'S | SYSTEM ID: 22263 | T.E. | WIRING DIAGRAM TH 212/5 AT MITCHELL ROAD S RAMPS IN EDEN PRAIRIE, HEMNEPIN COUNTY | S.A.P. NO. | DRAWN BY: | CKD BY: | DATE: |
| | | | METER ADDRESS: TH 212 S RAMPS/MITCHELL | T.E. | | CERTIFIED BY: _____ | LIC. NO. _____ | DATE: _____ | |
| | | | MASTER ID: | | | STATE PROJ. NO. | (T.H.212/5) SHEET NO. | 2 OF | 2 SHEETS |