

DISTRICT #:
 IPLOT NAME:
 PATH & FILENAME:
 MATCH LINE "C" PLOTTED/REVISED:
 MATCH LINE "A"

4 TH 3 STA. 1470+78 53' LT.
 PA100-A-45-D40-9 (DAVIT @ 350 DEG)
 2-SWING AWAY HINGES
 2-ONE WAY SIGNALS AT (0', & 11')
 2-TYPE 10B @ 90 & 180 DEG
 ONE WAY EVP DETECTOR & LIGHT (1&6)
 LUMINAIRE-250W HPS
 2-SOLID STATE PED PBS & SIGNS
 TYPE D SIGN
 3" RSC TO HH18
 2-12/C #12
 5-3/C #12
 1-3/C #20

3 TH 3 STA. 1470+85 44' RT.
 PA100-A-55-D40-9 (DAVIT @ 350 DEG)
 3-ONE WAY SIGNALS OVERHEAD (0', 11', & 23')
 2-TYPE 10B @ 90 & 180 DEG
 ONE WAY EVP DETECTOR & LIGHT (4&7)
 LUMINAIRE-250W HPS
 2-SOLID STATE PBS & SIGNS
 TYPE D SIGN
 3" RSC TO HH 12
 2-12/C #12
 5-3/C #12
 1-3/C #20

B SOP-WOOD POLE XCEL
 ENERGY
 2" RSC RISER,
 WEATHERHEAD
 2"RSC TO SERVICE
 CABINET VIA HH 2
 3-1/C #2

MATCH LINE "D"

A TH3 STA. 1472+35 65' LT.
 EQUIP. PAD
 SERVICE CABINET
 CONTROLLER CABINET
 4" RSC TO HH1
 4-12/C #12
 2-5/C #12
 11-3/C #12
 2-3/C #20
 11-2/C #14
 4-12/C #12
 5-3/C #12
 9-2/C #14
 2-3/C #20
 4" RSC
 4-12/C #12
 7-3/C #12
 9-2/C #14
 2-3/C #20
 2" RSC TO HH23
 SERVICE CABINET
 2" RSC TO HH1
 4-3/C #12

SIGNAL HEAD CHART			
FACE	R	Y	G
1-1, 1-2	←	←	←
2-1, 2-2	○	○	○
3-1, 3-2	←	←	←
4-1, 4-2, 4-3	○	○	○
5-1, 5-2	←	←	←
6-1, 6-2	○	○	○
7-1, 7-2	←	←	←
8-1, 8-2, 8-3	○	○	○

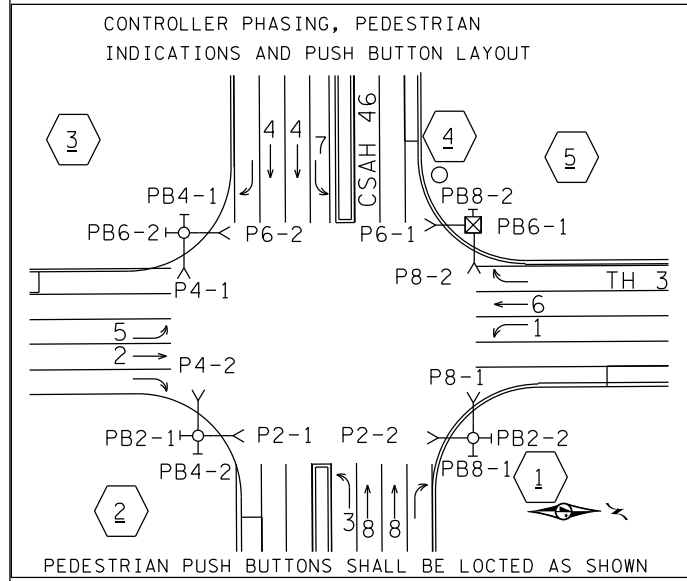
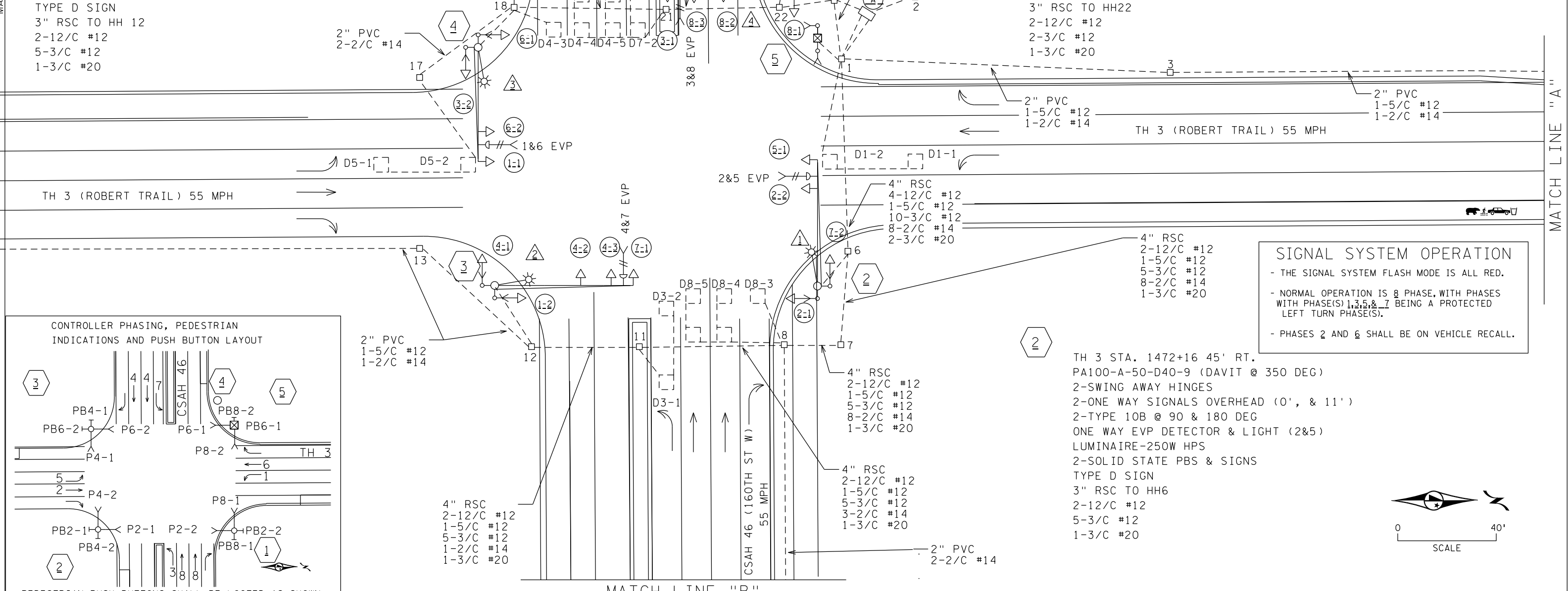
-ALL SIGNAL INDICATIONS ARE 12"LEDS
 -ALL SIGNAL HEADS HAVE A BACKGROUND SHIELD

PVC LOOP DETECTOR CHART		
DESIGNATION	NO. OF LOOPS	LOCATION
D1-1, D5-1	1	40'
D1-2, D5-2	1	5'
D2-1, D4-1, D4-2, D6-1, D8-1, D8-2	1	475'
D3-1, D7-1	1	40'
D3-2, D7-2	1	10'
D4-3, D8-3	1	5'
D4-4, D4-5, D8-4, D8-5	2	5' & 20'

-LOCATION: DISTANCE FROM CROSSWALK/STOP LINE IN FEET.

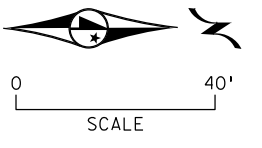
1 TH 3 STA. 1472+1 77' LT.
 PA100-A-45-D40-9 (DAVIT @ 350 DEG)
 3-ONE WAY SIGNALS AT (0', 11', & 23')
 2-TYPE 10A @ 90 & 180 DEG
 ONE WAY EVP DETECTOR & LIGHT (3&8)
 LUMINAIRE-250W HPS
 2-SOLID STATE PED PBS & SIGNS
 TYPE D SIGN
 3" RSC TO HH22
 2-12/C #12
 2-3/C #12
 1-3/C #20

5 TH 3 STA. 1472+16 29' LT.
 PEDESTAL FOUNDATION
 10' PEDESTAL POLE PLUS BASE
 TYPE 4D
 2-SOLID STATE PBS & SIGNS
 2" RSC TO HH1
 3-3/C #12



SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 8 PHASE, WITH PHASES WITH PHASE(S) 1, 3, 5, & 7 BEING A PROTECTED LEFT TURN PHASE(S).
- PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.



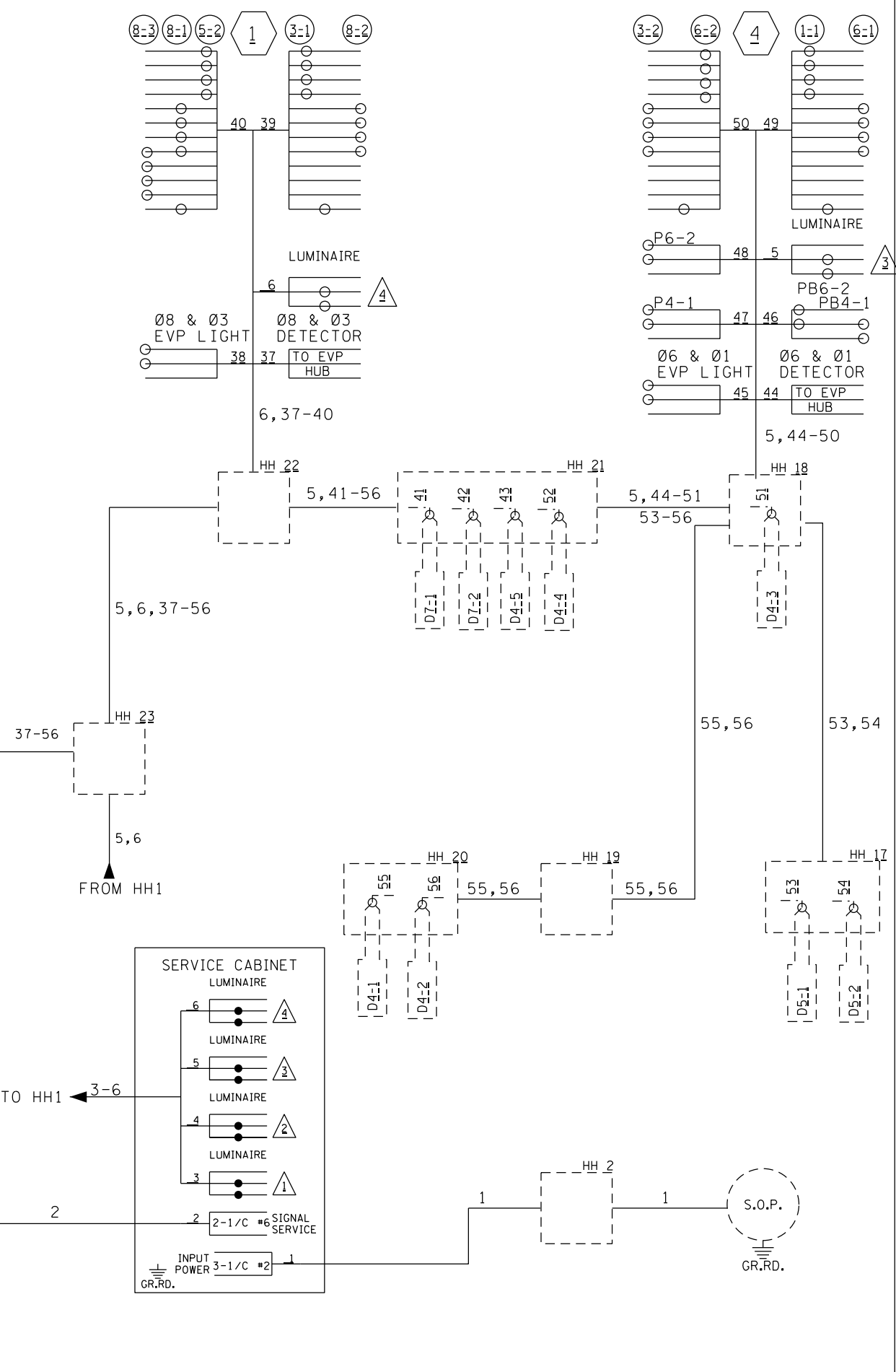
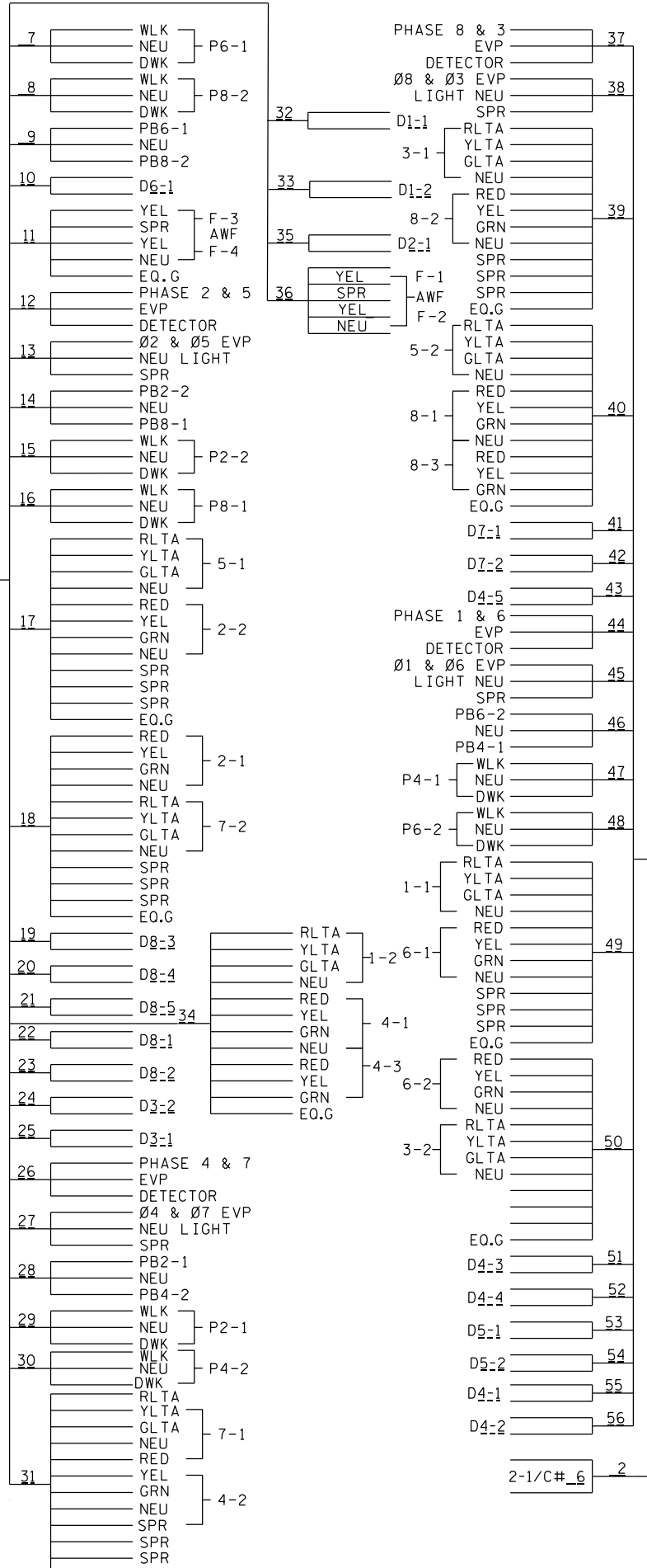
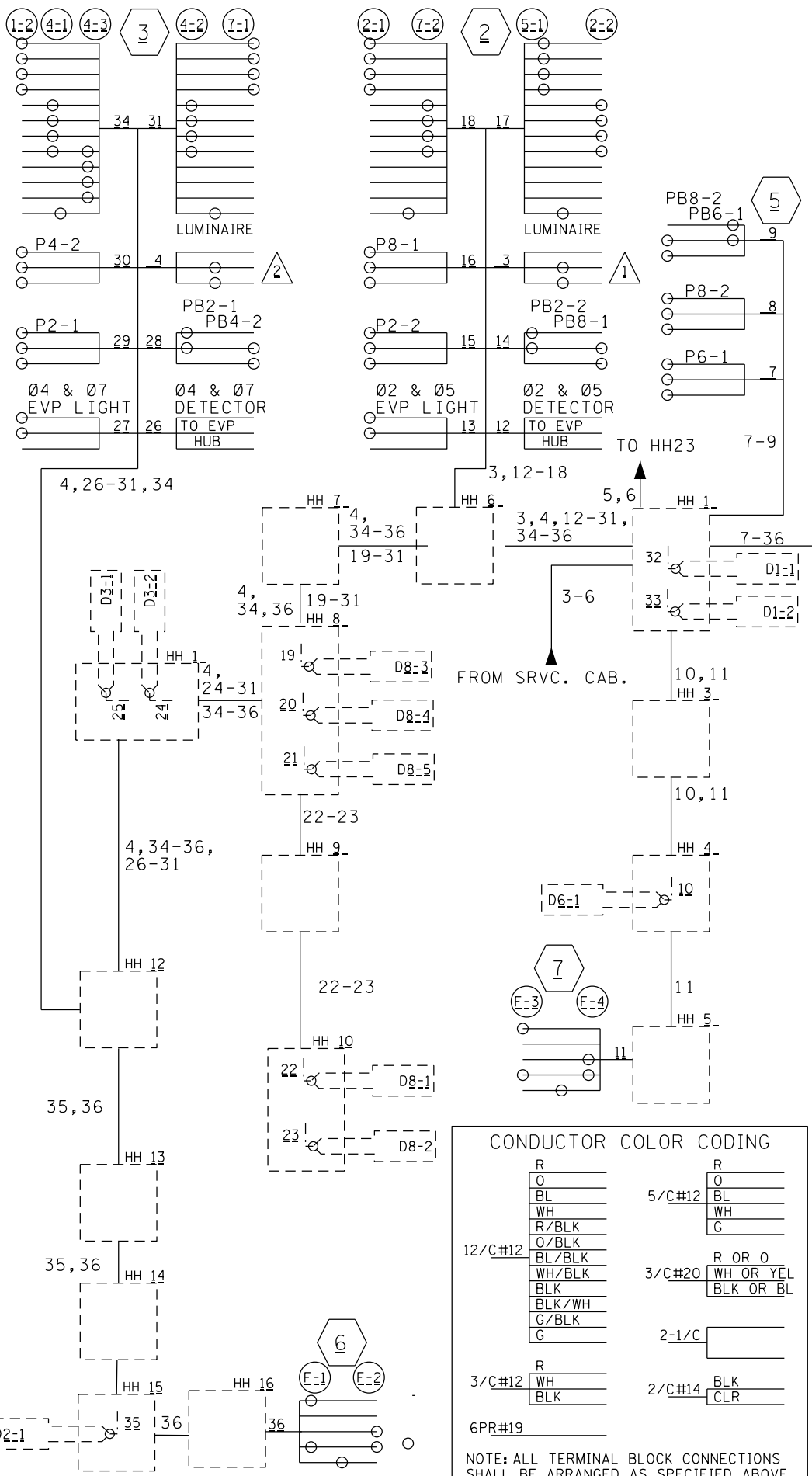
BY	DATE	REVISIONS
EJA	08-07-15	PLAN UPDATES & CORRECTIONS

SYSTEM ID: 22591 T.E. _____
 METER ADDRESS: 3207 160TH ST W
 MASTER ID: _____ T.E. _____
INTERSECTION LAYOUT
 TH 3 (ROBERT TRAIL) AT CSAH 46 (160TH ST W)
 IN ROSEMOUNT, EMPIRE TOWNSHIP, DAKOTA CO

S.A.P. NO. _____ DRAWN BY: _____ CKD BY: _____ DATE: _____
 CERTIFIED BY: _____ LIC. NO. _____ DATE: _____
 STATE PROJ. NO. _____ (T.H. 3) SHEET NO. 1 OF 4 SHEETS

PLOTTED/REVISED: \$\$\$@DATE\$\$\$
PROJECTNAME

DISTRICT #: @@DISTRICT@
PLOT NAME: @@PLOT\$NAME@
PATH & FILENAME: \$\$\$@PATH\$FILENAME\$\$\$



BY	DATE	REVISIONS
EJA	08-07-15	PLAN UPDATES & CORRECTIONS

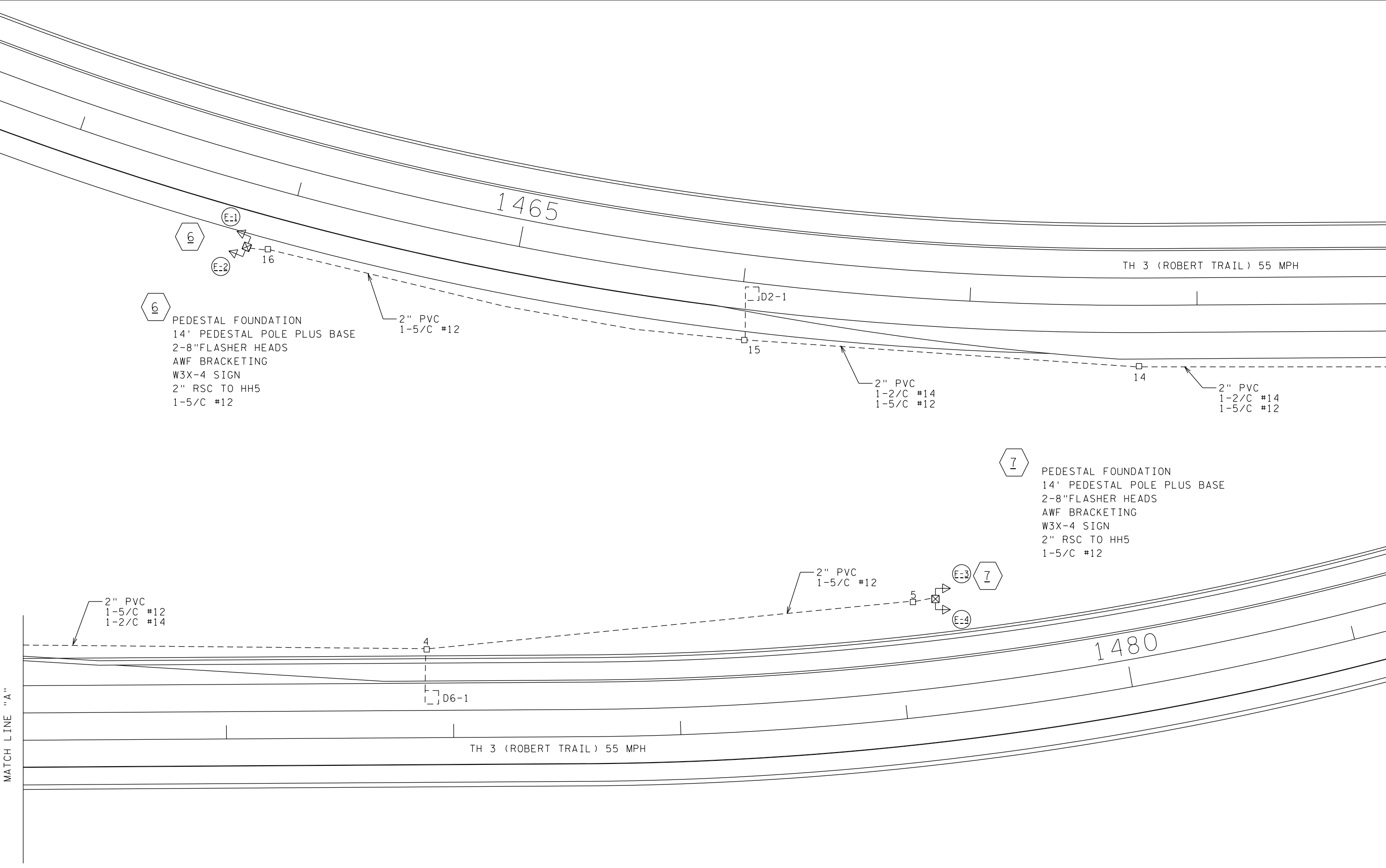
SYSTEM ID: 22581 T.E.
METER ADDRESS: 3207 160TH ST W
MASTER ID: T.E.

WIRING DIAGRAM
TH 3 (ROBERT TRAIL) AT CSAH 46 (160TH ST)
IN ROSEMOUNT, EMPIRE TOWNSHIP, DAKOTA CO

S.A.P. NO. _____ DRAWN BY: _____ CKD BY: _____ DATE: _____
CERTIFIED BY: _____ LIC. NO. _____ DATE: _____
STATE PROJ. NO. _____ (T.H. 3) SHEET NO. 4 OF 4 SHEETS

PLOTTED/REVISED: \$\$\$@DATE@\$\$\$

DISTRICT #: @@DISTRICT@
PLOT NAME: @@PLOT\$NAME@
PATH & FILENAME: \$\$\$@PATH\$FILENAME@\$\$\$



PEDESTAL FOUNDATION
 14' PEDESTAL POLE PLUS BASE
 2-8" FLASHER HEADS
 AWF BRACKETING
 W3X-4 SIGN
 2" RSC TO HH5
 1-5/C #12

PEDESTAL FOUNDATION
 14' PEDESTAL POLE PLUS BASE
 2-8" FLASHER HEADS
 AWF BRACKETING
 W3X-4 SIGN
 2" RSC TO HH5
 1-5/C #12

BY	DATE	REVISIONS
EJA	08-07-15	PLAN UPDATES & CORRECTIONS

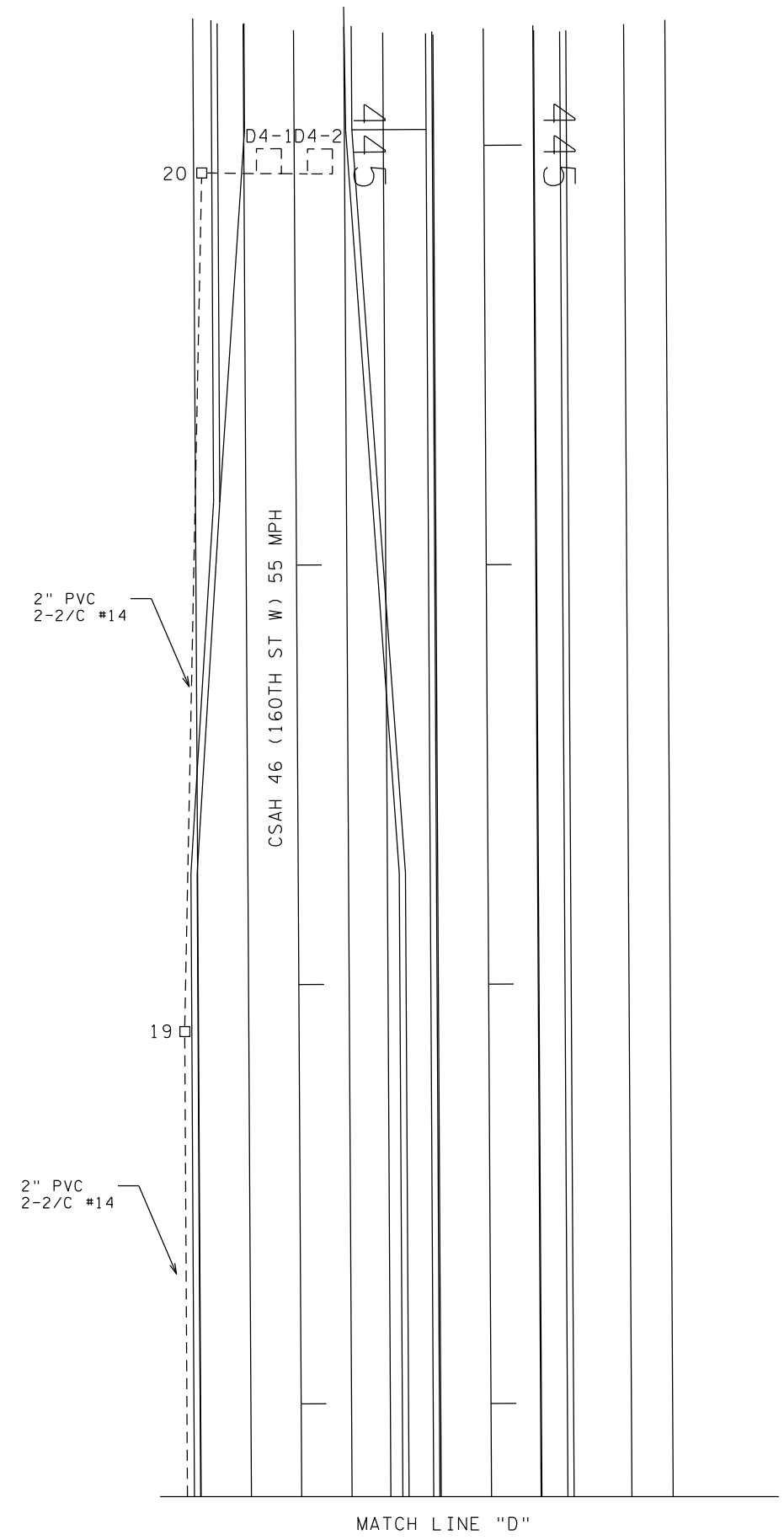
SYSTEM ID: 22581 _____ T.E. _____
 METER ADDRESS: 3207 160TH ST W _____
 MASTER ID: _____ T.E. _____

MATCHLINES LAYOUT (1 OF 2)
 TH 3 (ROBERT TRAIL) AT CSAH 46 (160TH ST)
 IN ROSEMOUNT, EMPIRE TOWNSHIP, DAKOTA CO

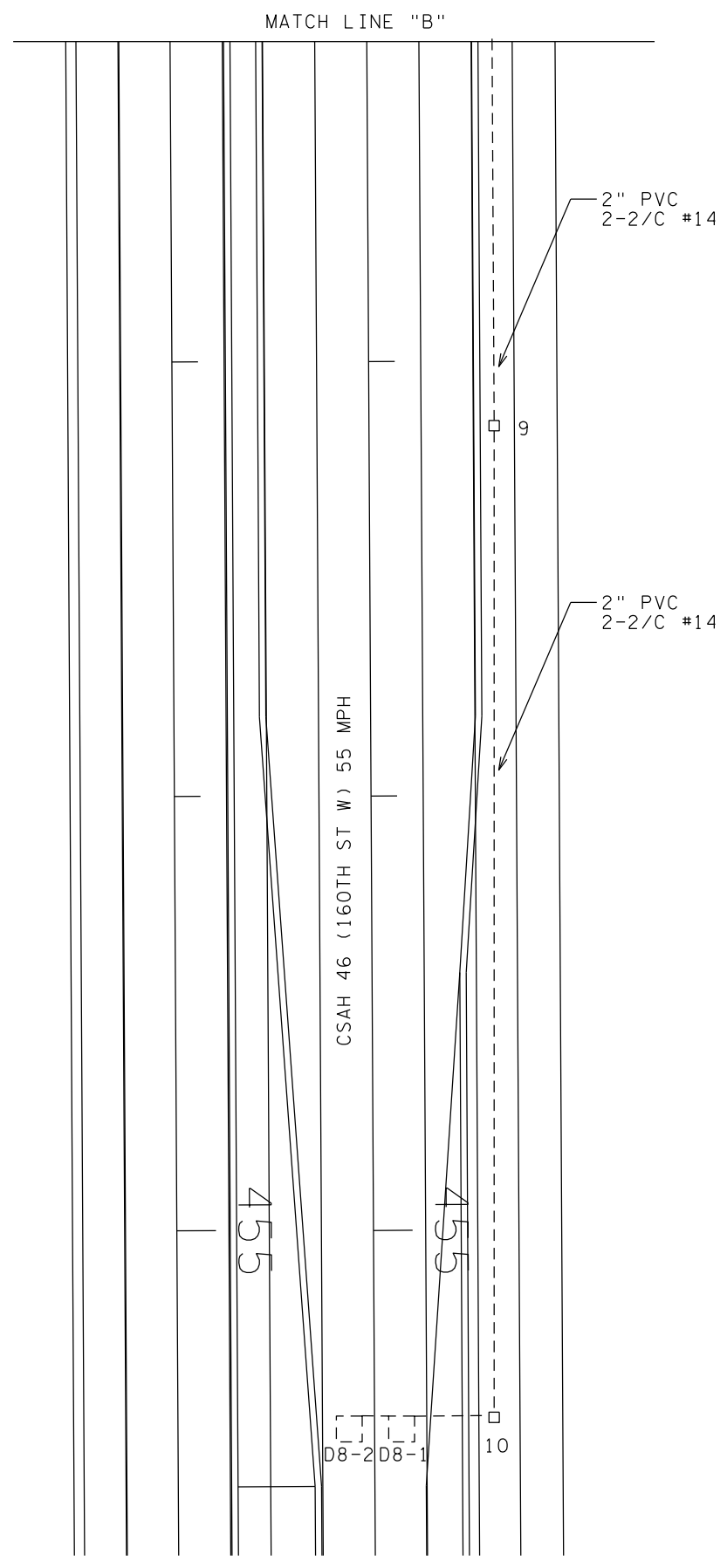
S.A.P. NO. _____ DRAWN BY: _____ CKD BY: _____ DATE: _____
 CERTIFIED BY: _____ LIC. NO. _____ DATE: _____
 STATE PROJ. NO. _____ (T.H. 3) _____ SHEET NO. 2 OF 4 SHEETS

PLOTTED/REVISED: \$\$\$@DATE@\$\$\$

DISTRICT #: \$\$\$@DISTRICT@\$\$
IPLOT NAME: \$\$\$@IPLOT\$NAME@\$\$
PATH & FILENAME: \$\$\$@PATH\$FILENAME@\$\$\$



MATCH LINE "D"



MATCH LINE "B"

BY	DATE	REVISIONS
EJA	08-07-15	PLAN UPDATES & CORRECTIONS

SYSTEM ID: 22581 _____ T.E. _____
 METER ADDRESS: 3207 160TH ST W _____
 MASTER ID: _____ T.E. _____

MATCHLINES LAYOUT (2 OF 2)
 TH 3 (ROBERT TRAIL) AT CSAH 46 (160TH ST)
 IN ROSEMOUNT, EMPIRE TOWNSHIP, DAKOTA CO

S.A.P. NO. _____ DRAWN BY: _____ CKD BY: _____ DATE: _____
 CERTIFIED BY: _____ LIC. NO. _____ DATE: _____
LICENSED PROFESSIONAL ENGINEER
 STATE PROJ. NO. _____ (T.H. 3) _____ SHEET NO. 3 OF 4 SHEETS