

SIGNAL FACE CHART

FACE	R	Y	G
2-1, 2-2, 2-3	○	○	○
5-1, 5-2	◀	◀	◀
6-1, 6-2, 6-3	○	○	○
8-1, 8-2, 8-3	○	○	○

-ALL RED SIGNAL INDICATIONS ARE 12" LED
 -ALL YELLOW AND GREEN SIGNAL INDICATIONS ARE 12" GLASS
 -ALL SIGNAL HEADS HAVE BACKGROUND SHIELDS

1 PA90 POLE FOUNDATION
 TYPE PA90-A-25-D40-9
 (DAVIT AT 350 DEG)
 2-ONE-WAY SIGNALS OVERHEAD AT 0', AND 11'
 TYPE 10A POLE MOUNTED 90 DEG
 TYPE 10B POLE MOUNTED 180 DEG
 1-ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASE 6)
 1-ONE WAY EVP DETECTOR (PHASES 1+6) FOR SOUTH RAMP
 1-R9-3a SIGN (NO PEDS)
 1-FACING POLE 4 LUMINAIRE-200W HPS
 EXTEND INTO HH 1:
 3" RSC
 2-12/C #12
 1-3/C #12
 1-3/C #12 (LUM)
 2-3/C #20

2 PA85 POLE FOUNDATION
 TYPE PA85-A-15
 ONE-WAY SIGNAL OVERHEAD
 TYPE 10B POLE MOUNTED 90 DEG
 TYPE 10B POLE MOUNTED 180 DEG
 1-ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASE 8)
 1-ONE WAY EVP DETECTOR (PHASES 1+6) FOR SOUTH RAMP
 1-PED PB AND SIGN
 EXTEND INTO HH 11:
 3" RSC
 2-12/C #12
 4-3/C #12
 2-3/C #20

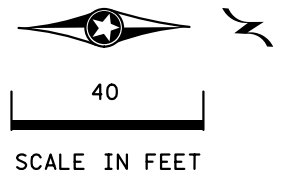
A EQUIPMENT PAD
 SERVICE CABINET
 CONTROLLED AND CABINET
 PANELBOARD ENCLOSED CIRCUIT BREAKER AND TRANSFORMER (PAD MOUNTED)
 CONTROLLER TO HH 1:
 4" RSC
 2-12/C #12
 1-5/C #12
 1-3/C #12
 8-2/C #14
 3-3/C #20
 1-6PR #19
 PANELBOARD TO SOP VIA HH 16, 17 AND 18:
 2" RSC
 3-1/C #0
 3-1/C #0
 PANELBOARD TO HH 19:
 2" RSC
 2-1/C #4
 1-1/C #6 INS. GR.
 PANELBOARD TO ENCLOSED CIRCUIT BREAKER:
 2" RSC
 2-1/C #6
 1-1/C #6 INS. GR.

ENCLOSED CIRCUIT BREAKER TO TRANSFORMER:
 2" RSC
 2-1/C #6
 1-1/C #6 INS. GR.
 2" AND 3" RSC STUBBED OUT (CAPPED BOTH ENDS)
 CONTROLLER CABINET TO SERVICE CABINET:
 2" RSC
 2-1/C #6
 1-1/C #6 INS. GR.
 SERVICE CABINET TO TRANSFORMER:
 2" RSC
 3-1/C #2
 1-1/C #4 INS. GR.
 SERVICE CABINET TO HH 1:
 2" RSC
 2-3/C #12 (LUM)
 HH 15 TO HH 1:
 2" RSC
 1-3/C #12 (LUM)
 1-3/C #20

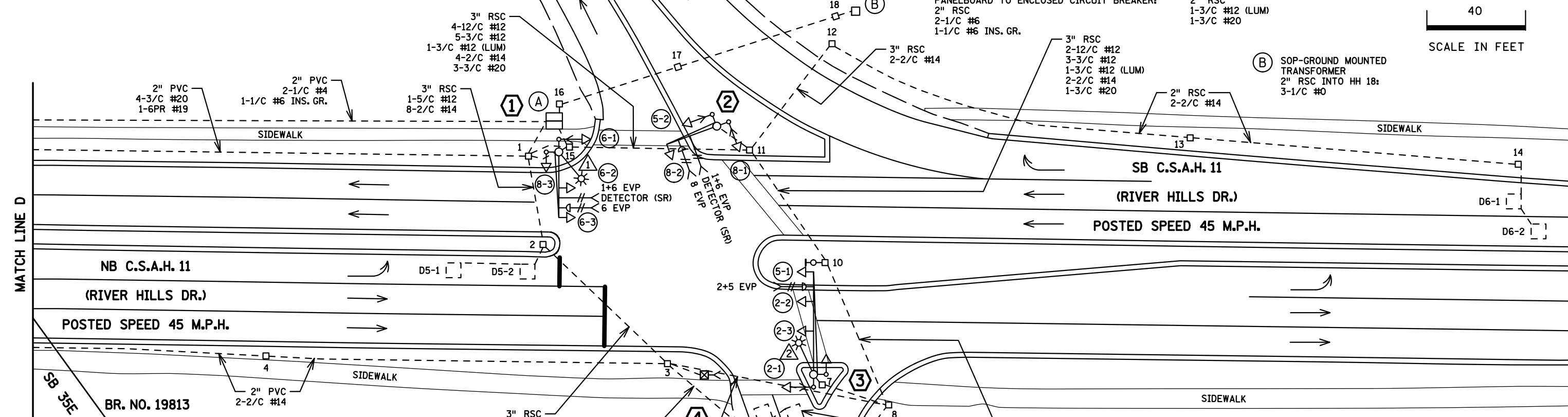
LOOP DETECTOR CHART

NUMBER	SIZE (FT)	LOCATION
D2-1, D2-2	6x6	300
D5-1, D5-2	2-6x6	40 & 10
D6-1, D6-2	6x6	300
D8-1, D8-2	6x6	245
D8-3, D8-5	2-6x6	ABANDONED
D8-4, D8-6	2-6x6	20 & 5

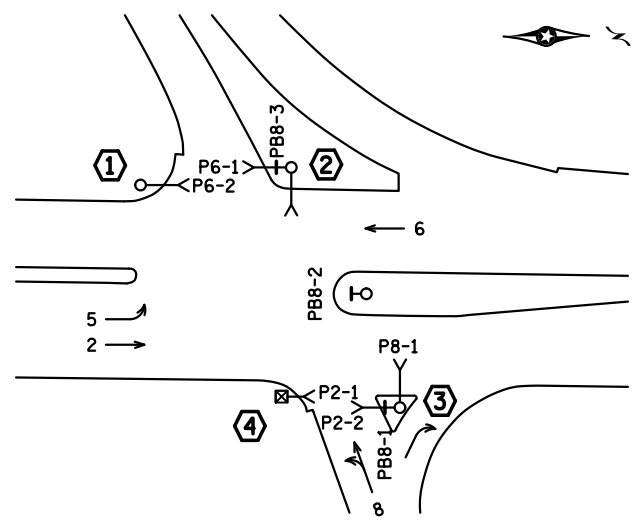
-ALL LOOP DETECTORS ARE PVC
 -LOCATION: DISTANCE FROM CROSSWALK/STOP BAR IN FEET



PLOTTED/REVISED: 3/19/2013



CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS



SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 4 PHASE, WITH PHASE 5 BEING A PROTECTED LEFT TURN PHASE.
- PHASES 2 & 6 SHALL BE ON PEDESTRIAN RECALL.

PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED AS SHOWN ABOVE

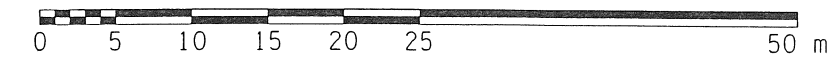
BY	DATE	REVISIONS
GDS	03-18-13	AS BUILT OF 1982-125

SYSTEM ID: 22220 T.E.
 METER ADDRESS: 13450 COUNTY ROAD 11
 MASTER ID: 22221 T.E.

INTERSECTION LAYOUT
TRAFFIC CONTROL SIGNAL SYSTEM
T.H. 35E AT C.S.A.H. 11 (RIVER HILLS DR.) N. RAMP
IN BURNSVILLE & APPLE VALLEY, DAKOTA COUNTY

S.A.P. NO. _____ DRAWN BY: _____ CKD BY: _____ DATE: _____
 CERTIFIED BY _____ L.I.C. NO. _____ DATE: _____
 STATE PROJ. NO. (T.H. 35E) SHEET NO. 1 OF 3 SHEETS

DISTRICT #: METRO
 IPLOT NAME: layout
 PATH & FILENAME: IP_PWP-d078380NT22220_sgl.dgn



MATCH LINE
"B"
SEE SHEET 11

53 mm NMC
2-2/C #14

14

S.B.CO.RD.11

45 MPH

D6-1

D6-2

0+650

0+700

S.B.CO.RD.11

45 MPH

N.B.CO.RD.11

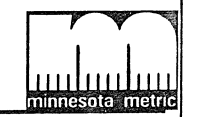
45 MPH

0+650

0+700

N.B.CO.RD.11

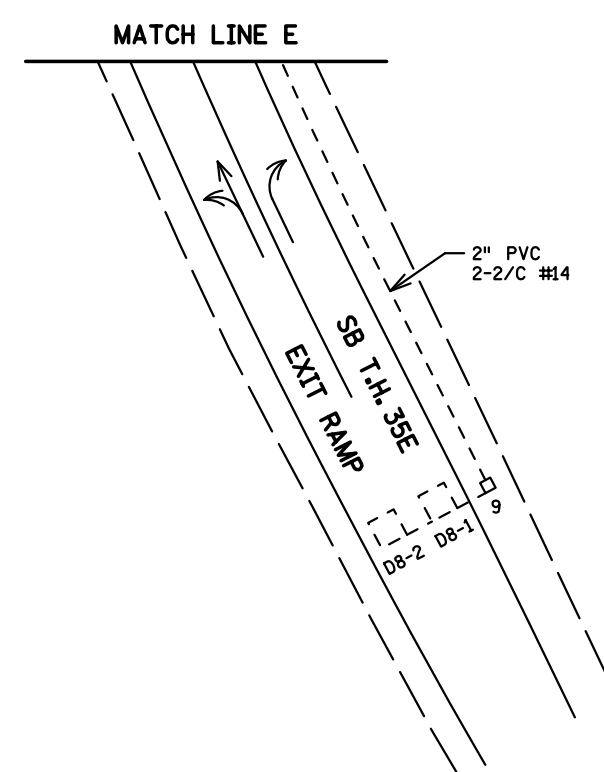
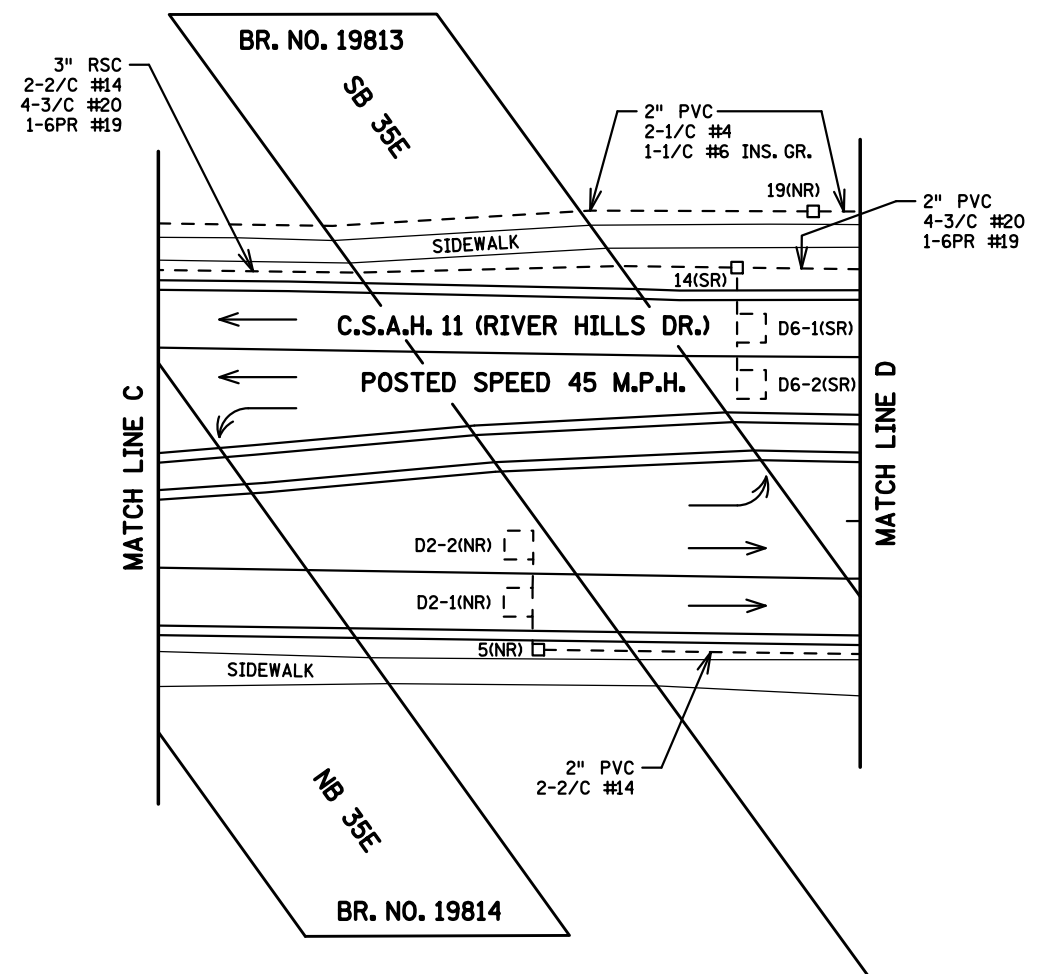
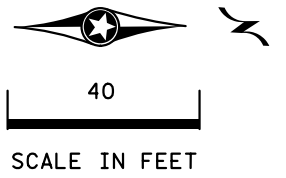
45 MPH



DRAWN BY: K.CULBERTSON	REVISED BY:	REVISED BY:	AS BUILT BY:
CHECKED: MTS DATE: 3-31-98	CHECKED: DATE:	CHECKED: DATE:	CHECKED: DATE:
SYSTEM I.D.: 22220			
METER ADDRESS: 13450 CO. RD. 11			
STATE AID PROJECT: 179-119-11			

INTERSECTION LAYOUT
NORTH RAMPS
I-35E NORTH RAMPS AT CO.RD 11
IN BURNSVILLE DAKOTA COUNTY

CERTIFIED BY _____ REG. NO. 23745 DATE _____



PLOTTED/REVISED: 3/19/2013

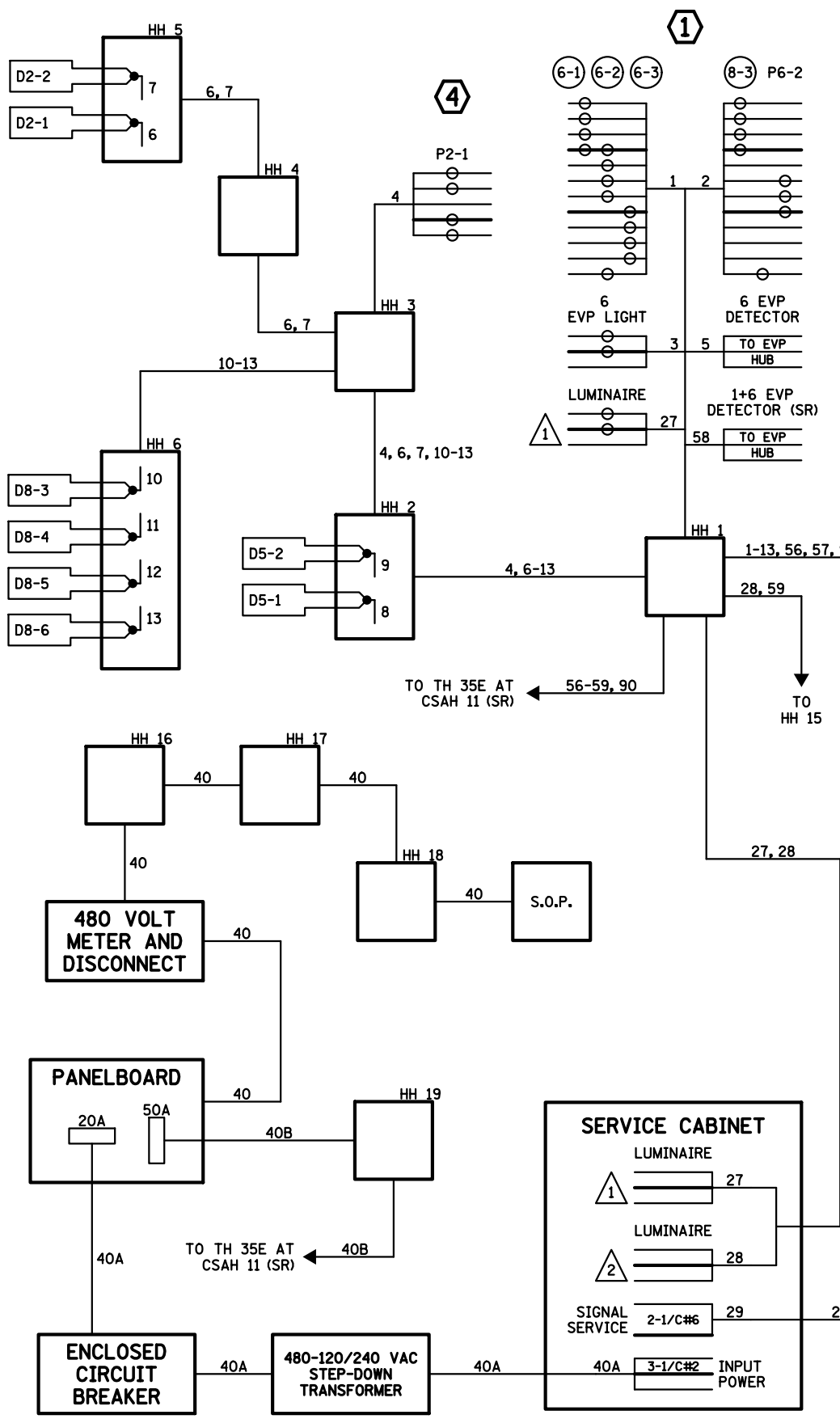
DISTRICT #: METRO
 IPLOT NAME: match lines
 PATH & FILENAME: IP_PWP-d078380NT22220_sgl.dgn

BY	DATE	REVISIONS	SYSTEM ID: 22220	T.E.	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
GDS	03-18-13	AS BUILT OF 1982-125	METER ADDRESS: 13450 COUNTY ROAD 11		CERTIFIED BY _____	LIC. NO. _____		DATE: _____
			MASTER ID: 22221	T.E.	STATE PROJ. NO.	(T.H. 35E)	SHEET NO. 2 OF 3 SHEETS	

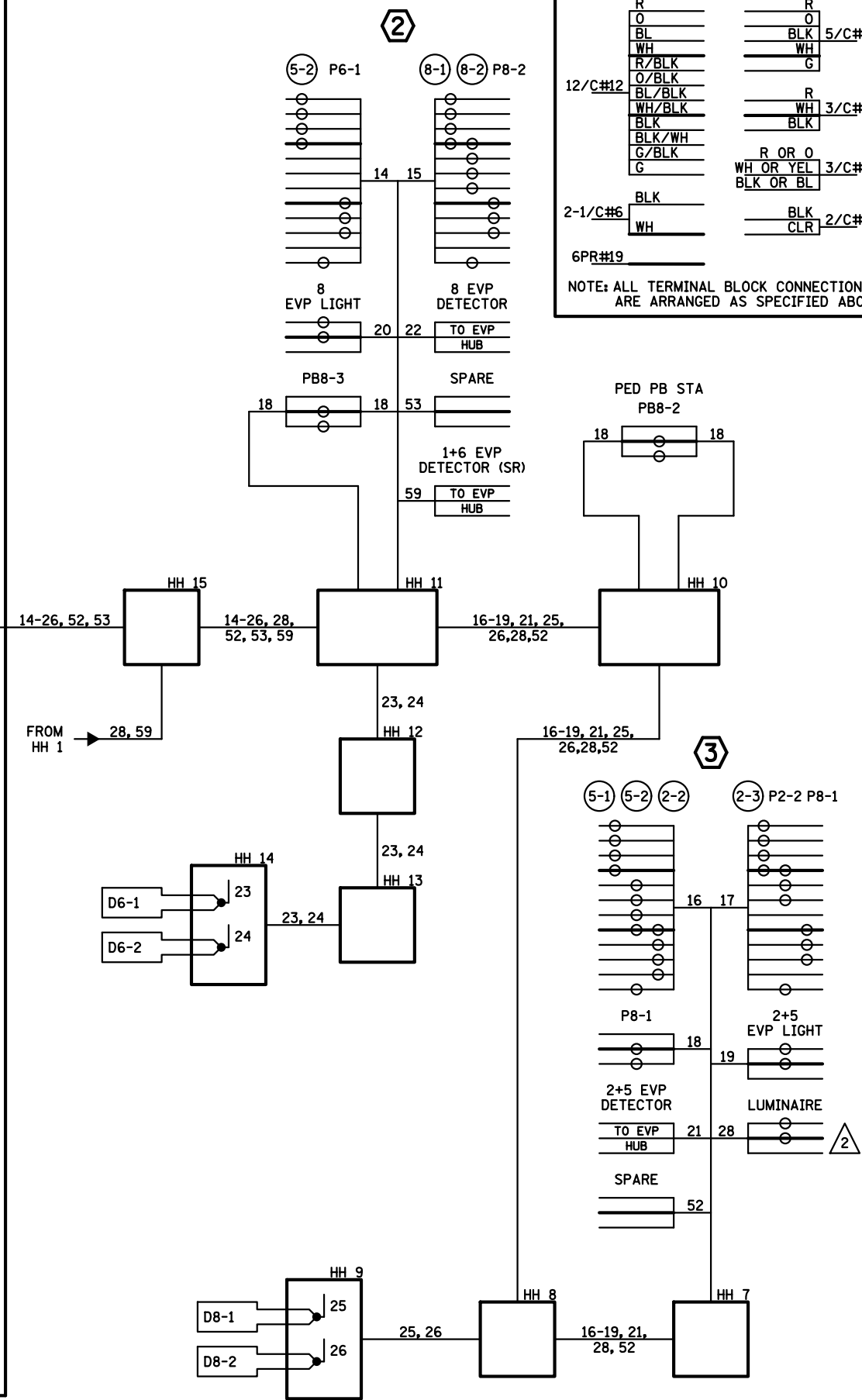
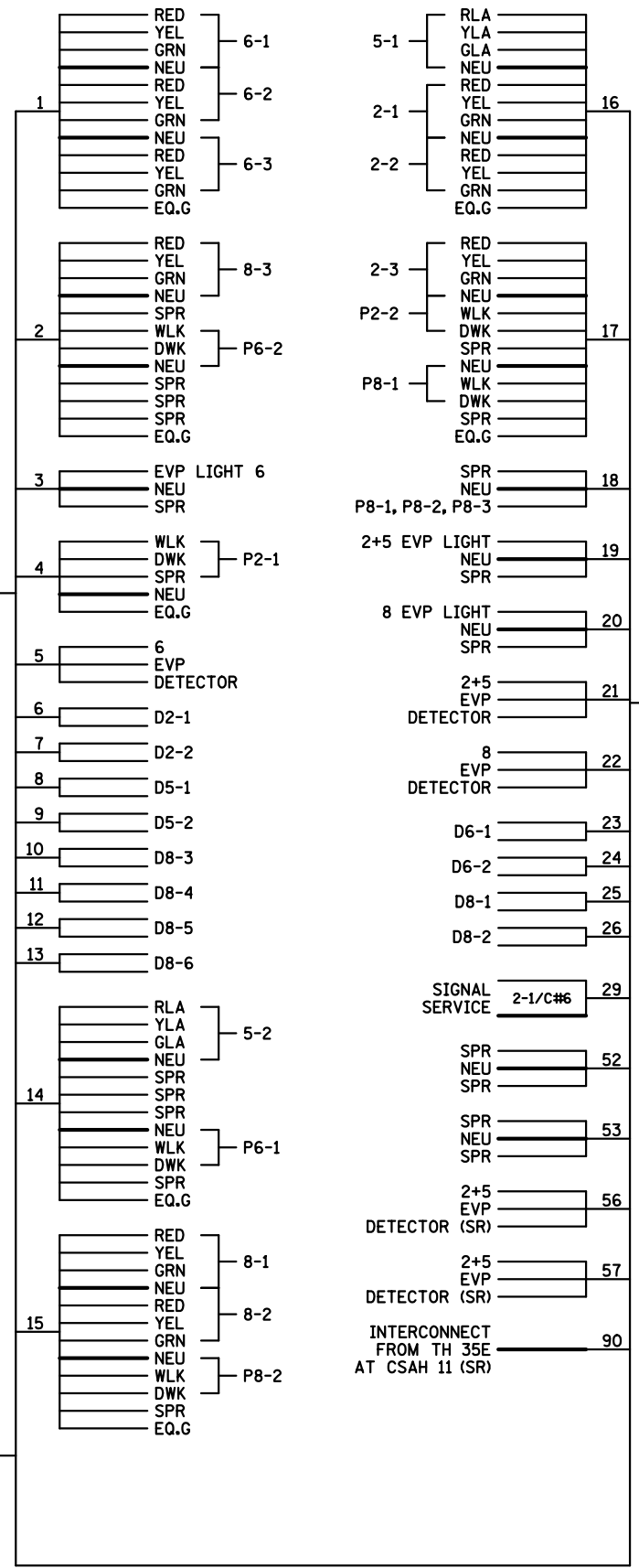
**MATCH LINES LAYOUT
 TRAFFIC CONTROL SIGNAL SYSTEM
 T.H. 35E AT C.S.A.H. 11 (RIVER HILLS DR.) N. RAMP
 IN BURNSVILLE & APPLE VALLEY, DAKOTA COUNTY**

PLOTTED/REVISED: 3/19/2013

DISTRICT #: METRO
PLOT NAME: wiring
PATH & FILENAME: IP_PWP-d078380NT22220_sgl.dgn



CONTROLLER CABINET



CONDUCTOR COLOR CODING

R	R
0	0
BL	BLK 5/C#12
WH	WH
R/BLK	G
O/BLK	R
BL/BLK	WH 3/C#12
WH/BLK	BLK
BLK	R OR O
BLK/WH	WH OR YEL 3/C#20
G/BLK	BLK OR BL
G	
BLK	BLK 2/C#14
WH	CLR

NOTE: ALL TERMINAL BLOCK CONNECTIONS ARE ARRANGED AS SPECIFIED ABOVE

BY: GDS	DATE: 03-18-13	REVISIONS: AS BUILT OF 1982-125	SYSTEM ID: 22220	T.E.	FIELD WIRING DIAGRAM TRAFFIC CONTROL SIGNAL SYSTEM T.H. 35E AT C.S.A.H. 11 (RIVER HILLS DR.) N. RAMP IN BURNSVILLE & APPLE VALLEY, DAKOTA COUNTY	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:	
			METER ADDRESS: 13450 COUNTY ROAD 11			CERTIFIED BY:	LIC. NO.:			DATE:
			MASTER ID: 22221	T.E.		STATE PROJ. NO.	(T.H. 35E)	SHEET NO. 3 OF 3 SHEETS		