

PLOTTED/REVISED: 8/11/2010

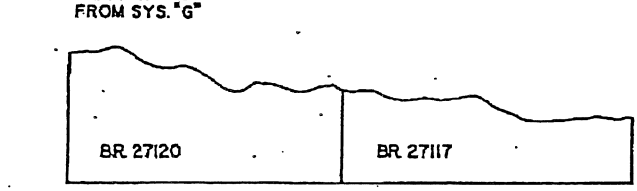
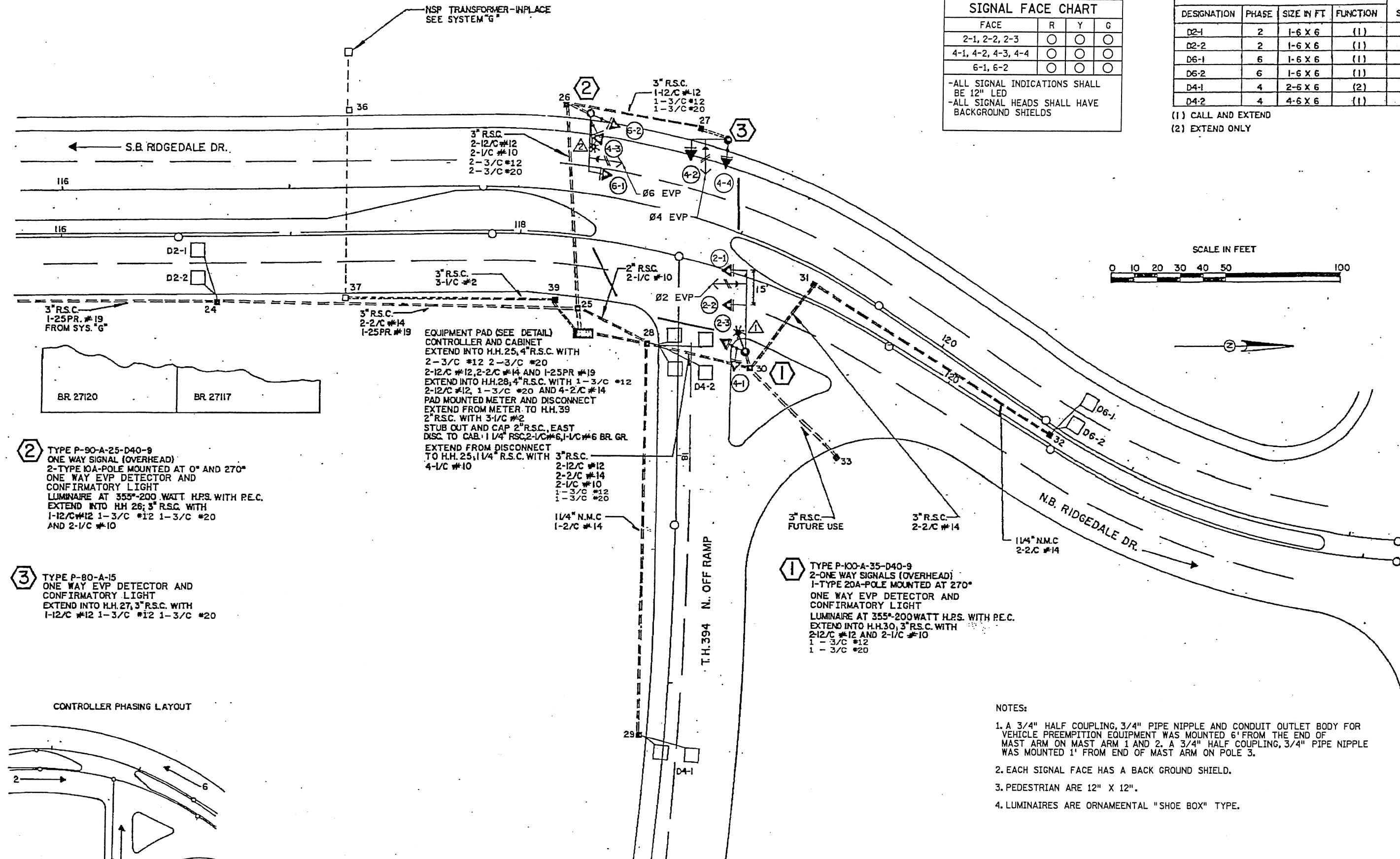
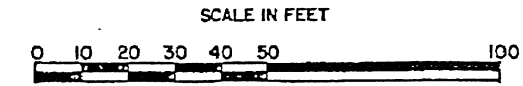
DISTRICT #: METRO
 IPLOT NAME: T21656LWR.sgl
 PATH & FILENAME: IP_PWP#00783774T21656LWR.sgl.dgn

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

-ALL SIGNAL INDICATIONS SHALL BE 12" LED
 -ALL SIGNAL HEADS SHALL HAVE BACKGROUND SHIELDS

DETECTOR CHART				DISTANCE FROM STOP BAR
DESIGNATION	PHASE	SIZE IN FT	FUNCTION	
D2-1	2	1-6 X 6	(1)	180'
D2-2	2	1-6 X 6	(1)	180'
D6-1	6	1-6 X 6	(1)	180'
D6-2	6	1-6 X 6	(1)	180'
D4-1	4	2-5 X 6	(2)	180'
D4-2	4	4-6 X 6	(1)	5' & 20'

(1) CALL AND EXTEND
 (2) EXTEND ONLY



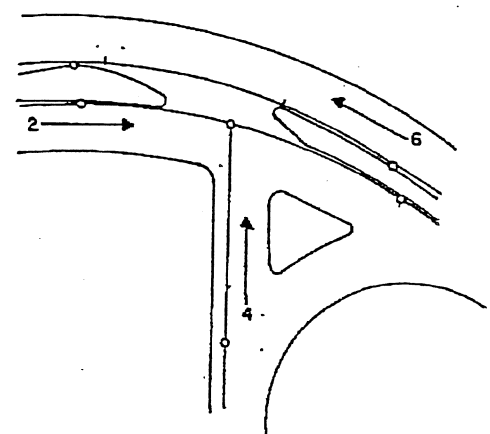
EQUIPMENT PAD (SEE DETAIL)
 CONTROLLER AND CABINET
 EXTEND INTO H.H. 25, 4" R.S.C. WITH
 2-3/C #12 2-3/C #20
 2-12/C #12, 2-2/C #14 AND 1-25PR #19
 EXTEND INTO H.H. 28, 4" R.S.C. WITH 1-3/C #12
 2-12/C #12, 1-3/C #20 AND 4-2/C #14
 PAD MOUNTED METER AND DISCONNECT
 EXTEND FROM METER TO H.H. 39
 2" R.S.C. WITH 3-1/C #2
 STUB OUT AND CAP 2" R.S.C. EAST
 DISC TO CAB. 1 1/4" R.S.C. 2-1/C #6, 1-1/C #6 BR GR.
 EXTEND FROM DISCONNECT
 TO H.H. 25, 1 1/4" R.S.C. WITH
 4-1/C #10

② TYPE P-90-A-25-D40-9
 ONE WAY SIGNAL (OVERHEAD)
 2-TYPE 10A-POLE MOUNTED AT 0° AND 270°
 ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT
 LUMINAIRE AT 355°-200 WATT H.P.S. WITH P.E.C.
 EXTEND INTO H.H. 26, 3" R.S.C. WITH
 1-12/C #12 1-3/C #12 1-3/C #20
 AND 2-1/C #10

③ TYPE P-80-A-15
 ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT
 EXTEND INTO H.H. 27, 3" R.S.C. WITH
 1-12/C #12 1-3/C #12 1-3/C #20

① TYPE P-100-A-35-D40-9
 2-ONE WAY SIGNALS (OVERHEAD)
 1-TYPE 20A-POLE MOUNTED AT 270°
 ONE WAY EVP DETECTOR AND
 CONFIRMATORY LIGHT
 LUMINAIRE AT 355°-200 WATT H.P.S. WITH P.E.C.
 EXTEND INTO H.H. 30, 3" R.S.C. WITH
 2-12/C #12 AND 2-1/C #10
 1-3/C #12
 1-3/C #20

CONTROLLER PHASING LAYOUT



NOTES:

1. A 3/4" HALF COUPLING, 3/4" PIPE NIPPLE AND CONDUIT OUTLET BODY FOR VEHICLE PREEMPTION EQUIPMENT WAS MOUNTED 6' FROM THE END OF MAST ARM ON MAST ARM 1 AND 2. A 3/4" HALF COUPLING, 3/4" PIPE NIPPLE WAS MOUNTED 1' FROM END OF MAST ARM ON POLE 3.
2. EACH SIGNAL FACE HAS A BACK GROUND SHIELD.
3. PEDESTRIAN ARE 12" X 12".
4. LUMINAIRES ARE ORNAMENTAL "SHOE BOX" TYPE.

REVISED AT MN/DOT 08-10-10
 BY EJA AND SJK
 UPDATED: SIGNAL FACE CHART

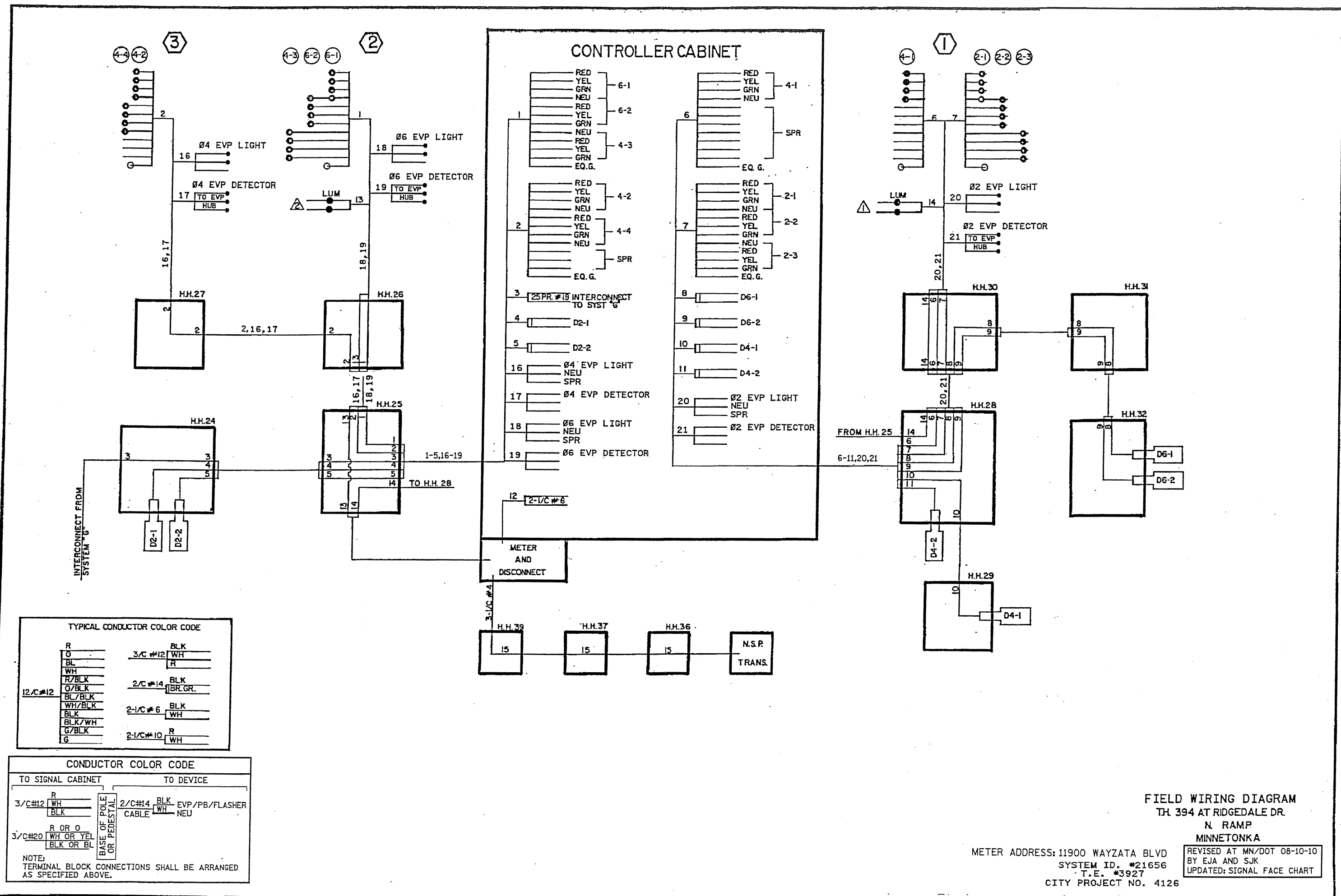
METER ADDRESS: 11900 WAYZATA BLVD

SYSTEM ID. #21656
 T.E. #3927
 CITY PROJECT NO. 4126

INTERSECTION LAYOUT
 TH. 394 AT RIDGEDALE DR.
 N. RAMP
 MINNETONKA

PLOTTED/REVISED: 8/11/2010

DISTRICT #: METRO
 PLOT NAME: T21656LWR_sq1
 PATH & FILENAME: IP_PWP-d0783774T21656LWR_sq1.dgn



TYPICAL CONDUCTOR COLOR CODE

R	BLK
O	3/C #12 WH
BL	R
WH	
R/BLK	2/C #14 BLK
O/BLK	BR.GR.
BL/BLK	
WH/BLK	2-1/C #6 BLK
BLK	WH
BLK/WH	
G/BLK	2-1/C #10 R
G	WH

CONDUCTOR COLOR CODE

TO SIGNAL CABINET	TO DEVICE
3/C #12 R WH BLK	2/C #14 BLK WH EVP/PB/FLASHER NEU
3/C #20 R OR O WH OR YEL BLK OR BL	

NOTE: BASE OF POLE OR PEDESTAL
 TERMINAL BLOCK CONNECTIONS SHALL BE ARRANGED AS SPECIFIED ABOVE.

FIELD WIRING DIAGRAM
 TH 394 AT RIDGEDALE DR.
 N RAMP
 MINNETONKA

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