

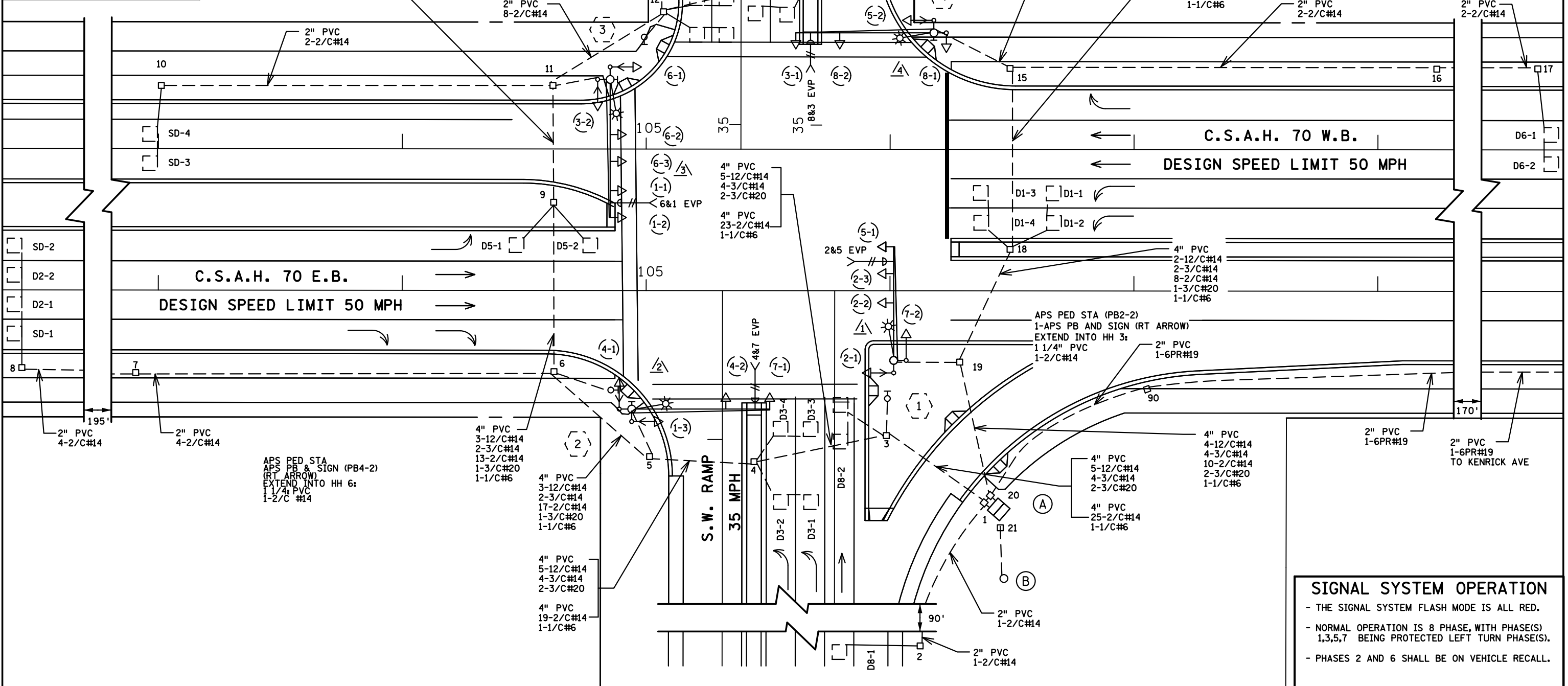
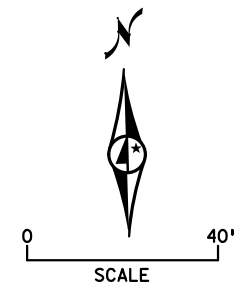
PLOTTED/REVISED: 8/21/2014

DISTRICT #: METRO
I/PLOT NAME: layout
PATH & FILENAME: IP_PWP-d1371021Tkeokuk_sgl.dgn

LOOP DETECTOR CHART			SYSTEM DETECTOR CHART		
NUMBER	SIZE (FT)	LOCATION	NUMBER	SIZE (FT)	LOCATION
D1-1, D1-2	6X6	40'	SD-1	6X6	400'
D1-3, D1-4	6X6	10'	SD-2	6X6	400'
D2-1, D2-2	6X6	400'	SD-3	6X6	190'
D3-1, D3-2	6X6	40'	SD-4	6X6	190'
D3-3, D3-4	6X6	10'	-ALL LOOP DETECTORS ARE PVC UNLESS NOTED OTHERWISE -LOCATION: DISTANCE FROM CROSSWALK/STOP BAR IN FEET		
D4-1	6X6	180'			
D4-2, D4-3	2-6X6	0' & 15'	-ALL LOOP DETECTORS ARE PVC UNLESS NOTED OTHERWISE -LOCATION: DISTANCE FROM CROSSWALK/STOP BAR IN FEET		
D5-1, D5-2	6X6	10' & 40'			
D6-1, D6-2	6X6	400'	-ALL LOOP DETECTORS ARE PVC UNLESS NOTED OTHERWISE -LOCATION: DISTANCE FROM CROSSWALK/STOP BAR IN FEET		
D7-1, D7-2	6X6	40'			
D7-3, D7-4	6X6	10'	-ALL LOOP DETECTORS ARE PVC UNLESS NOTED OTHERWISE -LOCATION: DISTANCE FROM CROSSWALK/STOP BAR IN FEET		
D8-1	6X6	180'			
D8-2	2-6X6	0' & 15'	-ALL LOOP DETECTORS ARE PVC UNLESS NOTED OTHERWISE -LOCATION: DISTANCE FROM CROSSWALK/STOP BAR IN FEET		

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

-ALL SIGNAL INDICATIONS ARE 12" LED
-ALL SIGNAL FACES HAVE A BACKGROUND SHIELD
-ALL SIGNAL HEADS ARE BLACK POLYCARBONATE



SIGNAL SYSTEM OPERATION

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

BY	DATE	REVISIONS
EJA	08-21-14	AS-BUILT OF SP 7080-51 APS CHANGES

SYSTEM ID: 38707 T.E.
METER ADDRESS: 210TH ST.W. AT KEOKUK
MASTER ID: 38710 (KENSINGTON) T.E.

INTERSECTION LAYOUT
TH 35 AT CSAH 70/KEOKUK AVE W RAMP
IN LAKEVILLE, DAKOTA COUNTY

S.A.P. NO. _____
DRAWN BY: DMC CKD BY: EJA DATE: 02/19/13
CERTIFIED BY *Michael P. Libinsky* LIC. NO. 19863 DATE: 03-21-13
STATE PROJ. NO. (T.H.35) SHEET NO. 1 OF 3 SHEETS

PLOTTED/REVISED: 8/21/2014

DISTRICT #: METRO
I/PLOT NAME: pole notes
PATH & FILENAME: IP_PWP-d1371702T\keokuk_sgl.dgn

(1)

E.B. STA. 106+02, 28' RT
 PA100 POLE FOUNDATION
 (W/1" PVC STUB OUT & 5/8" 15' GR. ROD)
 TYPE PA100-A-45-D40-9 (DAVIT AT 350 DEG)
 LUMINAIRE 250 WATT HPS
 ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (2+5)
 TYPE D SIGN
 3-ONE WAY SIGNALS OVERHEAD AT 0', 11' AND 23'
 2-ONE WAY SIGNALS AT 45 AND 225 DEG
 1-R9-3 SIGN (FACING POLE #4)
 EXTEND INTO HH 19:
 3" PVC
 2-12/C#14
 1-3/C#14
 1-3/C#14 (LUM)
 1-2/C#14
 1-3/C#20
 2-1/C#6 INS GR

(2)

E.B. STA. 104+94, 49' RT
 PA100 POLE FOUNDATION
 (W/1" PVC STUB OUT & 5/8" 15' GR. ROD)
 TYPE PA100-A-55-D40-9 (DAVIT AT 350 DEG)
 LUMINAIRE 250 WATT HPS
 2-ONE WAY SIGNALS OVERHEAD AT 0' AND 18'
 ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (4+7)
 TYPE D SIGN
 2-ONE WAY SIGNALS AT 45 AND 225 DEG
 2-ONE WAY C.D. PED HEADS AT 45 AND 225 DEG
 1- APS PB (PB2-1) AND SIGN (LT ARROW)
 EXTEND INTO HH 5:
 3" PVC
 2-12/C#14
 1-3/C#14
 1-3/C#14 (LUM)
 1-2/C#14
 1-3/C#20
 2-1/C#6 INS GR

(3)

W.B. STA. 104+82, 28' LT
 PA100 POLE FOUNDATION
 (W/1" PVC STUB OUT & 5/8" 15' GR. ROD)
 TYPE PA100-A-55-D40-9 (DAVIT AT 350 DEG)
 LUMINAIRE 250 WATT HPS
 4-ONE WAY SIGNALS OVERHEAD AT 0', 10', 21' AND 33'
 ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (6+1)
 TYPE D SIGN
 2-ONE WAY SIGNALS AT 45 AND 225 DEG
 2-ONE WAY C.D. HEADS AT 45 AND 225 DEG
 1-APS PB (PB4-1) AND SIGN (LT ARROW)
 EXTEND INTO HH 11:
 3" PVC
 3-12/C#14
 1-3/C#14
 1-3/C#14 (LUM)
 1-2/C#14
 1-3/C#20
 1-1/C#6 INS GR

(4)

W.B. STA. 106+18, 48' LT
 PA100 POLE FOUNDATION
 (W/1" PVC STUB OUT & 5/8" 15' GR. ROD)
 TYPE PA100-A-55-D40-9 (DAVIT AT 350 DEG)
 LUMINAIRE 250 WATT HPS
 2-ONE WAY SIGNALS OVERHEAD AT 0' AND 18'
 2-ONE WAY SIGNALS AT 45 AND 225 DEG
 ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (8+3)
 1-ONE WAY C.D. PED HEAD AT 45 DEG
 1-APS PB (PB6-1) AND SIGN (LT ARROW)
 1-R9-3 SIGN (FACING POLE #1)
 TYPE D SIGN
 EXTEND INTO HH 15:
 3" PVC
 2-12/C#14
 1-3/C#14
 1-3/C#14 (LUM)
 2-2/C#14
 1-1/C#6 INS GR

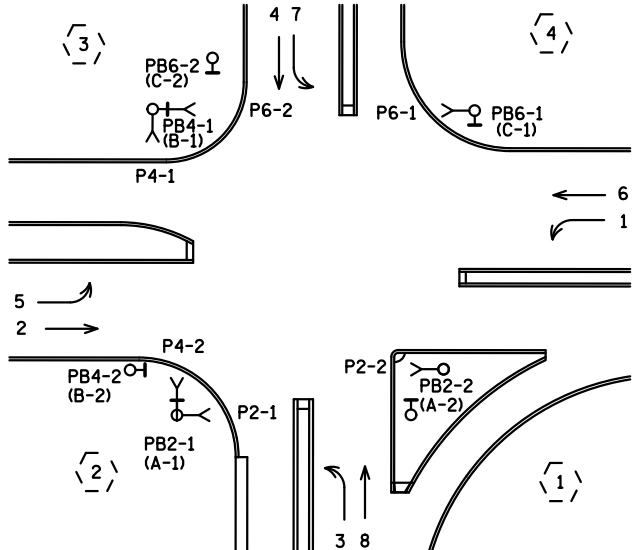
(A)

E.B. STA. 106+44, 90' RT.
 EQUIPMENT PAD
 SERVICE CABINET
 CONTROLLER AND CABINET
 4" PVC TO HH 20: 4" PVC TO HH 1: 4" PVC TO HH 1:
 4-12/C#14 5-12/C#14 26-2/C#14
 2-3/C#14 2-3/C#14 1-1/C#6
 2-3/C#20 2-3/C#20
 10-2/C#14
 1-1/C#6
 1-6PR#19 INTERCONNECT (TO KENRICK AVE)
 2" AND 3" PVC STUBBED OUT (CAPPED BOTH ENDS)
 SERVICE CABINET TO CONTROLLER CABINET:
 2" PVC
 2-1/C#6
 1-1/C#6 (INS.GR.)
 SERVICE CABINET TO HH 21:
 2" PVC
 3-1/C#2
 SERVICE CABINET TO HH 20:
 2" PVC
 4-3/C#14
 HH 20 TO HH 1:
 2" PVC
 2-3/C#14

(B)

WOOD POLE AND TRANSFORMER (BY DAKOTA ELECTRIC)
 2" PVC RISER AND WEATHERHEAD
 AND CONDUIT TO HH 21:
 3-1/C#2

CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS



PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED AS SHOWN ABOVE

BY	DATE	REVISIONS
EJA	08-21-14	AS-BUILT OF SP 7080-51 APS CHANGES

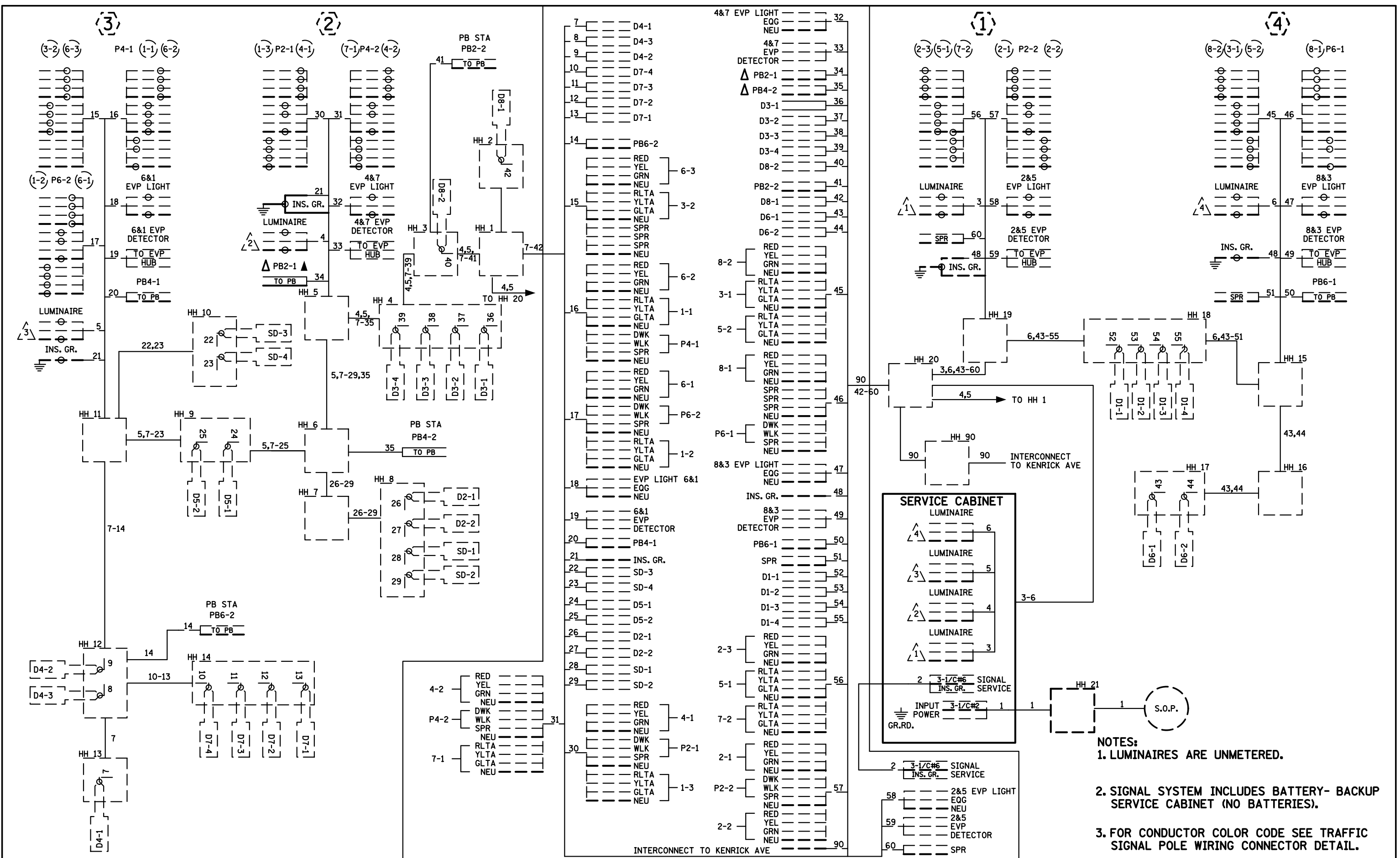
SYSTEM ID: 38707 T.E.
 METER ADDRESS: 210TH ST. W. AT KEOKUK
 MASTER ID: 38710 (KENSINGTON) T.E.

POLE NOTES
 TH 35 AT CSAH 70/KEOKUK AVE W RAMP
 IN LAKEVILLE, DAKOTA COUNTY

S.A.P. NO.	DRAWN BY: DMC	CKD BY: EJA	DATE: 02/19/13
CERTIFIED BY: <i>Michael P. Lubinsky</i>	LIC. NO. 19863	DATE: 03-21-13	
STATE PROJ. NO.	(T.H.35)	SHEET NO. 2 OF 3 SHEETS	

PLOTTED/REVISED: 8/21/2014

DISTRICT #: METRO
I/PLOT NAME: wiring diagram
PATH & FILENAME: IP_PWP-d\371702\T\kekuk_sgl.dgn



- NOTES:**
1. LUMINAIRE ARE UNMETERED.
 2. SIGNAL SYSTEM INCLUDES BATTERY- BACKUP SERVICE CABINET (NO BATTERIES).
 3. FOR CONDUCTOR COLOR CODE SEE TRAFFIC SIGNAL POLE WIRING CONNECTOR DETAIL.

BY	DATE	REVISIONS
EJA	08-21-14	AS-BUILT OF SP 7080-51 APS CHANGES

SYSTEM ID: 38707 T.E.
 METER ADDRESS: 210TH ST. W. AT KEOKUK
 MASTER ID: 38710 (KENSINGTON) T.E.

WIRING DIAGRAM
 TH 35 AT CSAH 70/KEOKUK AVE W RAMP
 IN LAKEVILLE, DAKOTA COUNTY

S.A.P. NO. _____ DRAWN BY: DMC CKD BY: EJA DATE: 02/19/13
 CERTIFIED BY *Michael P. Gubinsky* LIC. NO. 19863 DATE: 03-21-13
 STATE PROJ. NO. (T.H.35) SHEET NO. 3 OF 3 SHEETS