



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

June 12, 2012

CALL NO. 104
CONTRACT ID NO. 121324
ADDENDUM # 2

Subject: Various Counties, SP 0012 010
Letting June 15, 2012

- (1) Revised - Estimate of Quantities - Page 17 of 304
- (2) Revised - Work Location - Pages 45, 47-49, 51-55, 58, 60, 63-65, 67-70, 73, & 75 of 304
- (3) Revised - Bid Items - Pages 303-304 of 304

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

Ryan Griffith
Director
Division of Construction Procurement

RG:ks
Enclosures

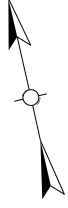


An Equal Opportunity Employer M/F/D

**PERMANENT TRAFFIC DATA ACQUISITION STATIONS
ESTIMATE OF QUANTITIES**

Bid Item Code	Description	Unit	Quantity
2562	SIGNS	SQ FT	160
2650	MAINTAIN AND CONTROL TRAFFIC	LP SUM	1
2775	FLASHING ARROW	EACH	2
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2
2654	TRUCK MOUNTED ATTENUATOR	EACH	1
4793	CONDUIT 1 ¼ INCH	LIN FT	2185
4795	CONDUIT 2 INCH	LIN FT	925
4811	JUNCTION BOX TYPE B	EACH	64
4820	TRENCHING AND BACKFILLING	LIN FT	3115
4829	PIEZOELECTRIC SENSOR	EACH	190
4830	LOOP WIRE	LIN FT	55068
4871	POLE – 35’ WOODEN	EACH	21
4895	LOOP SAW SLOT AND FILL	LIN FT	10158
4899	ELECTRICAL SERVICE	EACH	20
20359EC	GALV STEEL CABINET	EACH	9
20360ES818	WOOD POST	EACH	18
20391ES835	JUNCTION BOX TYPE A	EACH	31
21543EN	BORE AND JACK PIPE – 2 IN	LIN FT	300
23206EC	INSTALL CONTROLLER CABINET	EACH	21
2569	DEMOBILIZATION	LP SUM	1

MCCRACKEN CO. KY 339 m.p. 3.33
STATION P57
FIGURE 1



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 5'X5' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5.5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE-FREE TO THE CABINET. A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 4' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

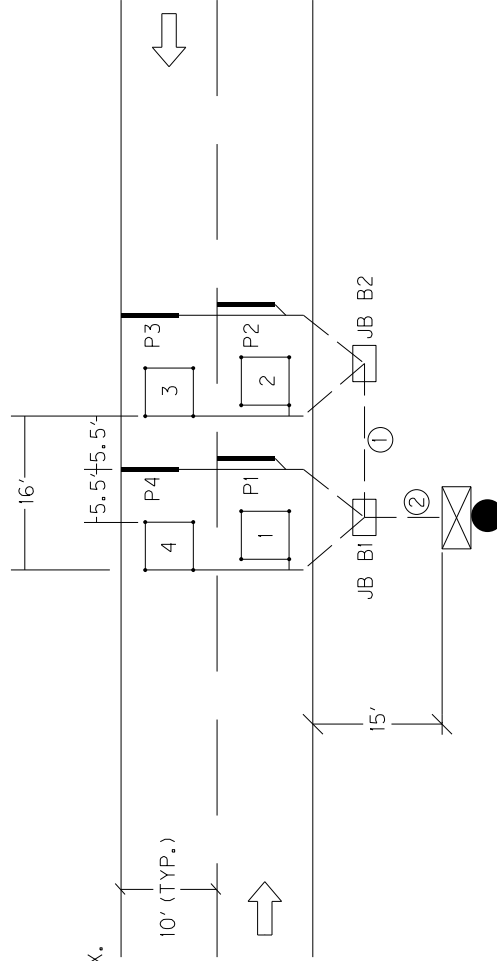
INSTALL TWO (2) TYPE B JUNCTION BOXES (JB B1 AND B2)

INSTALL ONE (1) 35' WOOD POLE (HEIGHT MAY NEED TO BE ALTERED IN THE FIELD DUE TO POWER LINES ABOVE) WITH ONE (1) ELECTRIC SERVICE.

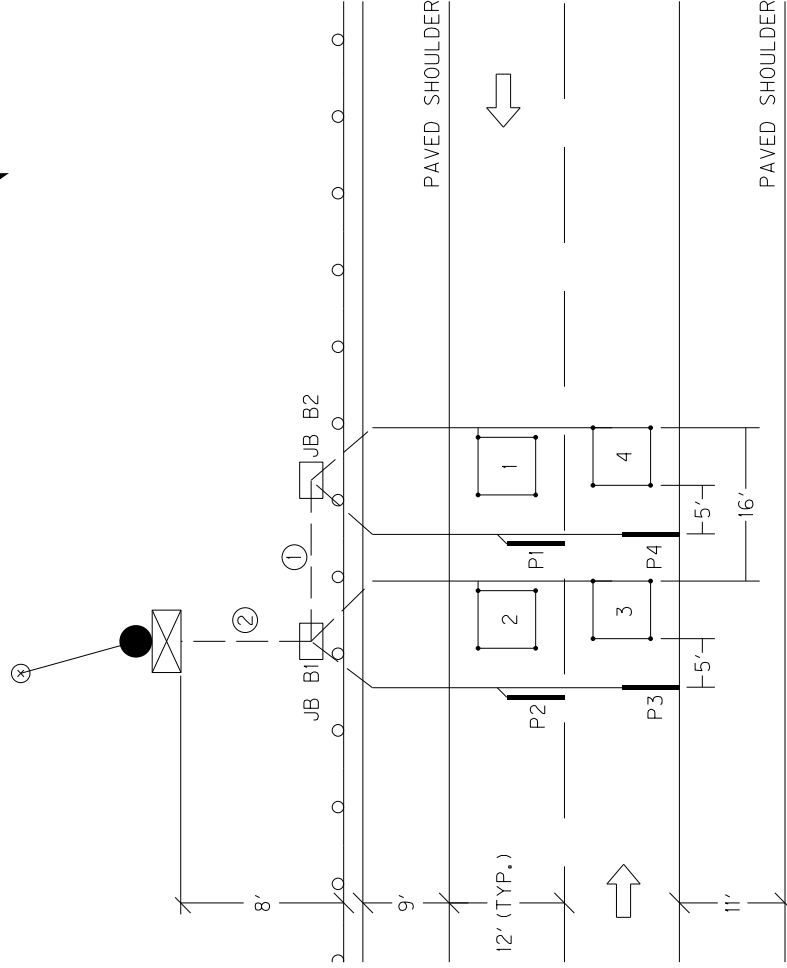
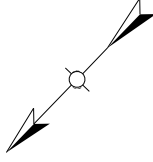
INSTALL MODEL 3336 CABINET ON NEWLY INSTALLED POLE.

CODED NOTES:

- ① INSTALL ONE (1) 1/4" CONDUIT.
- ② INSTALL ONE (1) 2" CONDUIT.



HOPKINS CO. US 41A m.p. 2.00
STATION P59
FIGURE 3



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 6'X6' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE-FREE TO THE CABINET. A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 4' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

INSTALL TWO (2) TYPE B JUNCTION BOXES (JB B1 AND B2)

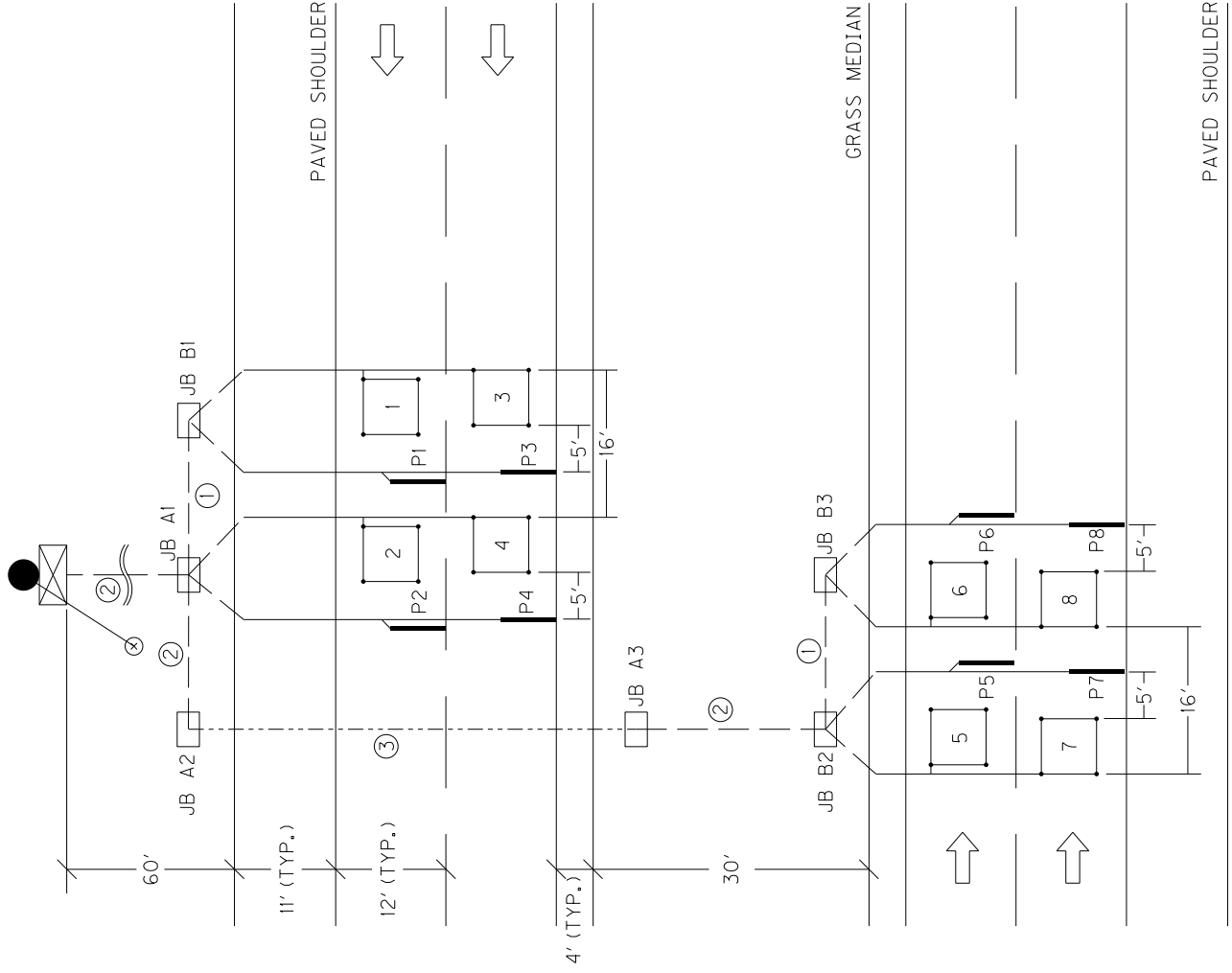
INSTALL ONE (1) 35' WOOD POLE, ANCHOR, GUY WIRE, AND GUY GUARD. INSTALL ONE (1) ELECTRIC SERVICE.

INSTALL MODEL 336 CABINET ON NEWLY INSTALLED POLE.

CODED NOTES:

- ① INSTALL ONE (1) 1 1/4" CONDUIT.
- ② INSTALL ONE (1) 2" CONDUIT.

CHRISTIAN CO. TR 9004 m.p. 11.425
STATION P61
FIGURE 4



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 6'X6' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE FREE TO THE CABINET AND A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 8' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE THE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

INSTALL THREE (3) TYPE A JUNCTION BOXES (JB A1, A2, AND A3) AND THREE (3) TYPE B JUNCTION BOXES (JB B1, B2, AND B3)

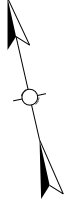
INSTALL ONE (1) 35' WOOD POLE, ANCHOR, GUY WIRE, AND GUY GUARD. INSTALL ONE (1) ELECTRIC SERVICE.

INSTALL MODEL 3336 CABINET ON NEWLY INSTALLED POLE.

CODED NOTES:

- ① INSTALL ONE (1) 1/4" CONDUIT.
- ② INSTALL ONE (1) 2" CONDUIT.
- ③ BORE AND JACK ONE (1) 2" CONDUIT.

CALDWELL CO. KY 2080 m.p. 0.21
STATION P62
FIGURE 5



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 5'X5' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5.5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE-FREE TO THE CABINET AND A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 4' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE THE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

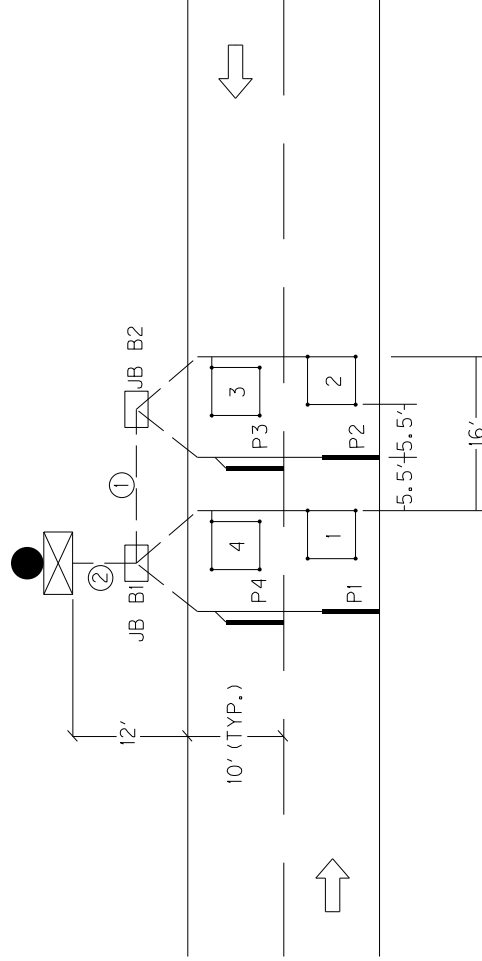
INSTALL TWO (2) TYPE B JUNCTION BOXES (JB B1 AND B2).

INSTALL ONE (1) 35' WOOD POLE. INSTALL ONE (1) ELECTRIC SERVICE.

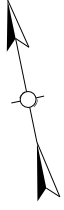
INSTALL MODEL 3336 CABINET ON NEWLY INSTALLED POLE.

CODED NOTES:

- ① INSTALL ONE (1) 1/4" CONDUIT.
- ② INSTALL ONE (1) 2" CONDUIT.



WARREN CO. KY 626 m.p. 4.00
STATION P69
FIGURE 7



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 5'X5' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5.5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE-FREE TO THE CABINET. A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 4' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE THE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

REMOVE ALL JUNCTION BOXES, WIRE AND CONDUIT NOT TO BE REUSED AND DISPOSE OF OFF THE PROJECT.

INSTALL ONE (1) 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

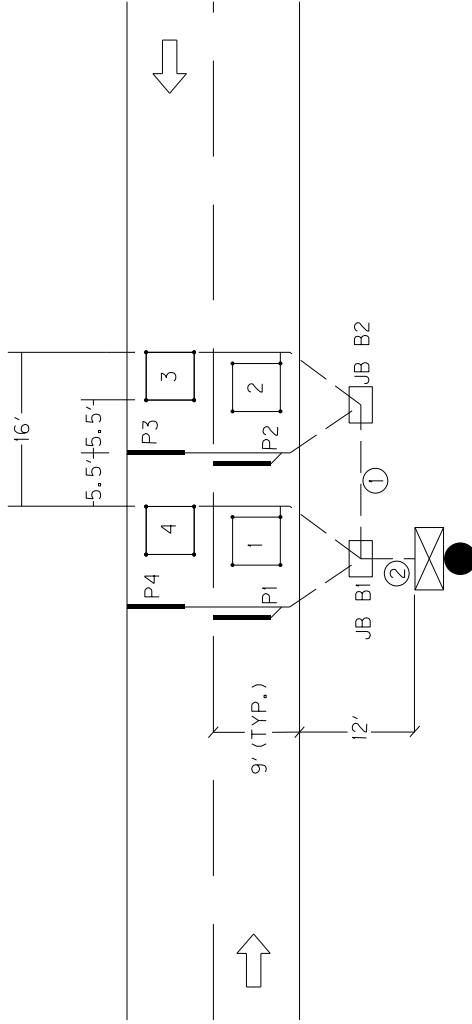
INSTALL TWO (2) TYPE B JUNCTION BOXES (JB B1 AND B2)

INSTALL ONE (1) 35' WOOD POLE WITH ONE (1) ELECTRIC SERVICE.

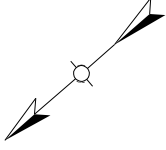
INSTALL MODEL 3336 CABINETON NEWLY INSTALLED POLE.

CODED NOTES:

- ① INSTALL ONE (1) 1/4" CONDUIT.
- ② INSTALL ONE (1) 2" CONDUIT.



GRAYSON CO. KY 259 m.p. 18.80
STATION P78
FIGURE 8



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 5'X5' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5.5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPICE-FREE TO THE CABINET. A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 4' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE THE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

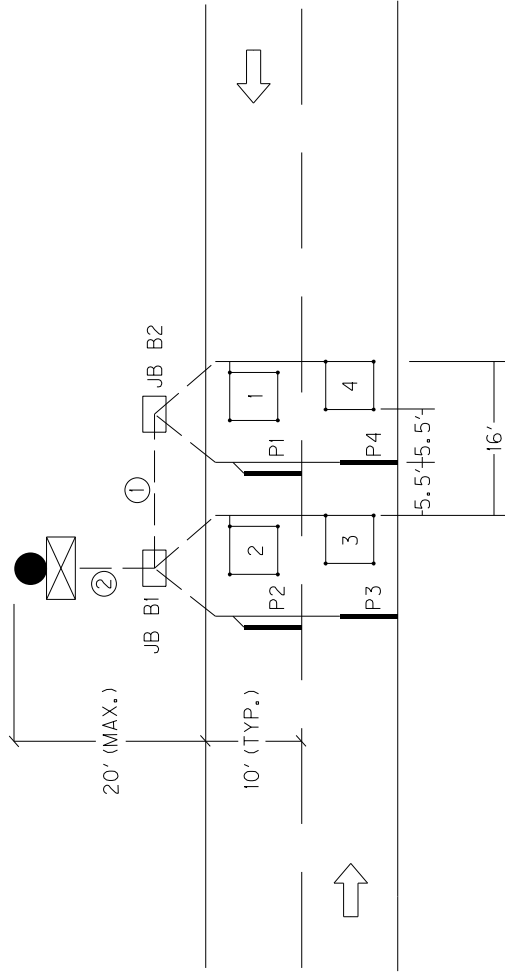
INSTALL TWO (2) TYPE B JUNCTION BOXES (JB B1, B2).

INSTALL ONE (1) 35' WOOD POLE (MAY NEED TO BE MANUALLY RESIZED DUE TO POWER LINES ABOVE) WITH ONE (1) ELECTRIC SERVICE.

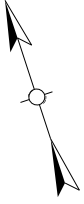
INSTALL MODEL 3336 CABINETON NEWLY INSTALLED POLE.

CODED NOTES:

- ① INSTALL ONE (1) 1/4" CONDUIT.
- ② INSTALL ONE (1) 2" CONDUIT.



HART CO. US 31E m.p. 3.95
STATION P79
FIGURE 9



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 6'X6' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE-FREE TO THE CABINET. A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 4' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE THE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

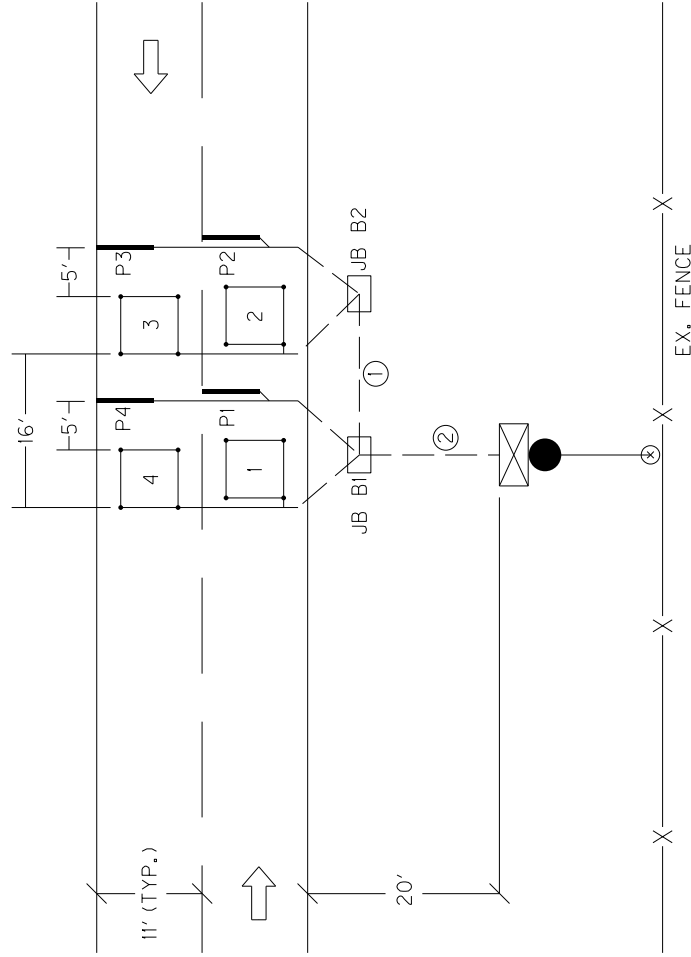
INSTALL TWO (2) TYPE A JUNCTION BOXES (A1 AND A2)

INSTALL ONE (1) 35' WOOD POLE, ANCHOR, GUY WIRE, AND GUY GUARD. INSTALL ONE (1) ELECTRIC SERVICE AND ONE (1) TELEPHONE SERVICE.

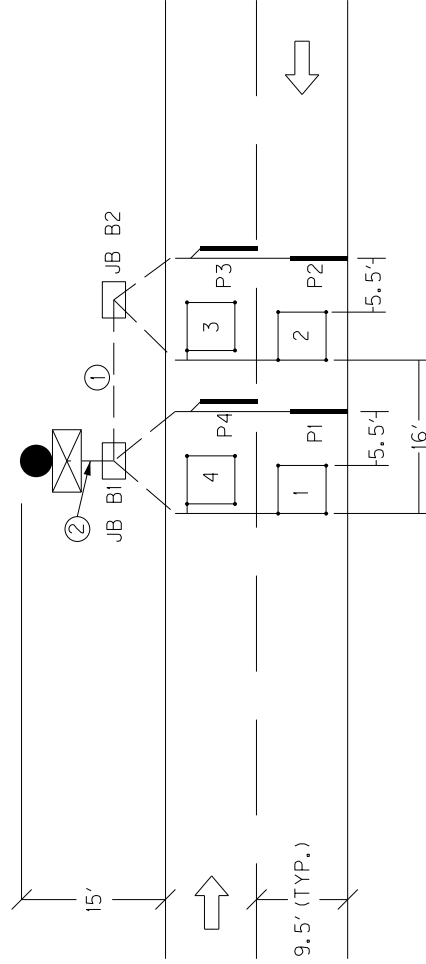
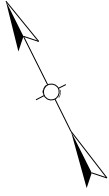
INSTALL MODEL 3336 CABINET ON NEWLY INSTALLED POLE.

CODED NOTES:

- ① INSTALL ONE (1) 1/4" CONDUIT.
- ② INSTALL ONE (1) 2" CONDUIT.



HART CO. KY 677 m.p. 1.20
STATION P81
FIGURE 10



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 5'X5' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5.5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE-FREE TO THE CABINET. A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 4' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE THE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

INSTALL TWO (2) TYPE B JUNCTION BOXES (B1 AND B2)

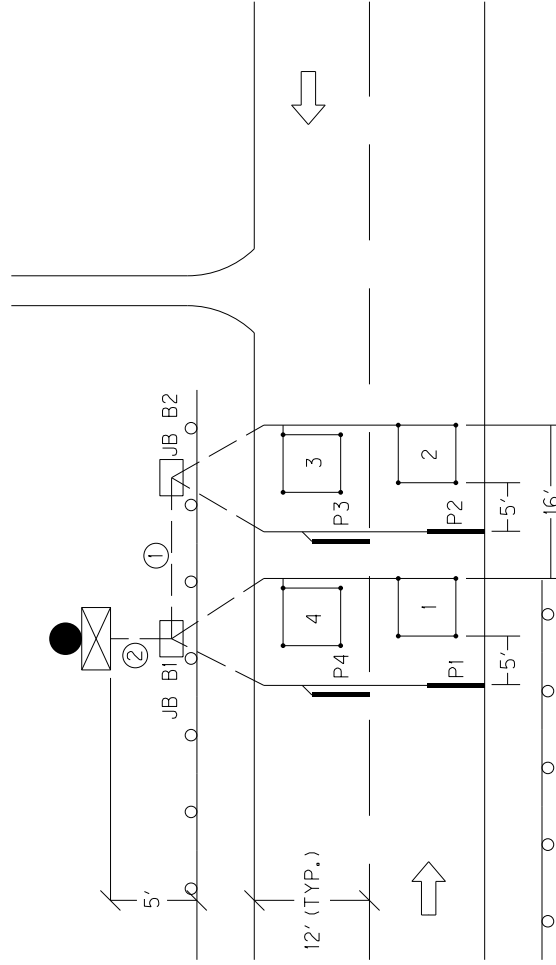
INSTALL ONE (1) 35' WOOD POLE (HEIGHT MAY NEED TO BE ALTERED IN THE FIELD DUE TO POWER LINES ABOVE). INSTALL ONE (1) ELECTRIC SERVICE.

INSTALL MODEL 3336 CABINET ON NEWLY INSTALLED POLE.

CODED NOTES:

- ① INSTALL ONE (1) 1/4" CONDUIT.
- ② INSTALL ONE (1) 2" CONDUIT.

SHELBY CO. KY 2861 m.p. 4.78
STATION P19
Figure 11



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 6'X6' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE-FREE TO THE CABINET. A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 4' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE THE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

INSTALL TWO (2) TYPE B JUNCTION BOXES (B1 AND B2)

INSTALL ONE (1) 35' WOOD POLE. INSTALL ONE (1) ELECTRIC SERVICE.

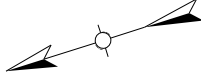
INSTALL MODEL 3336 CABINET ON NEWLY INSTALLED POLE.

REMOVE EX. POLE AND CABINET (~m.p. 4.9) AND ANY JUNCTION BOXES, WIRE AND CONDUIT NOT TO BE REUSED AND DISPOSE OF OFF THE PROJECT.

CODED NOTES:

- ① INSTALL ONE (1) 1/4" CONDUIT.
- ② INSTALL ONE (1) 2" CONDUIT.

KENTON CO. KY 1486 m.p. 3.95
STATION P82
Figure 14



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 5'X5' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5.5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE-FREE TO THE CABINET. A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 4' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

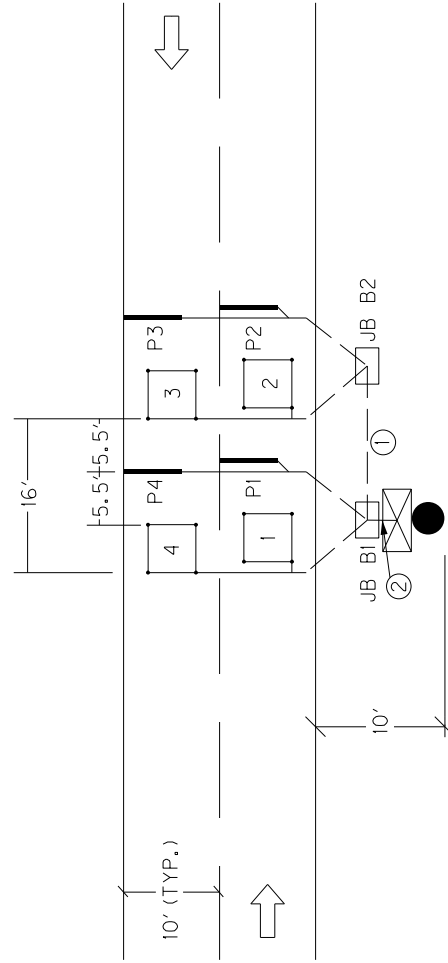
INSTALL TWO (2) TYPE B JUNCTION BOXES (JB B1 AND B2)

INSTALL ONE (1) 35' WOOD POLE (HEIGHT MAY NEED TO BE ALTERED IN THE FIELD DUE TO POWER LINES ABOVE) WITH ONE (1) ELECTRIC SERVICE.

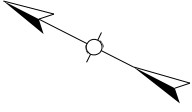
INSTALL MODEL 336 CABINET ON NEWLY INSTALLED POLE.

CODED NOTES:

- ① INSTALL ONE (1) 1/4" CONDUIT.
- ② INSTALL ONE (1) 2" CONDUIT.



HARRISON CO. US 62 m.p. 10.04
 STATION P85
 Figure 16



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 6'X6' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE-FREE TO THE CABINET. A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 4' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE THE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

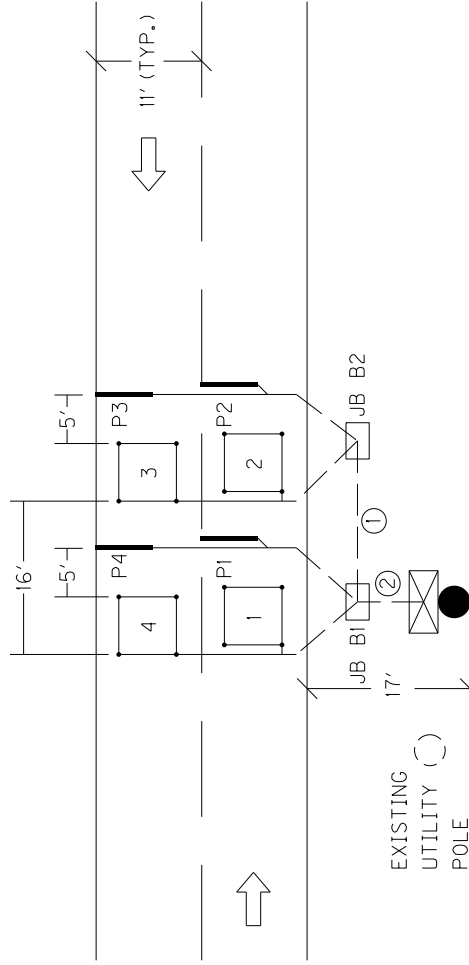
INSTALL TWO (2) TYPE B JUNCTION BOXES (JB B1, B2)

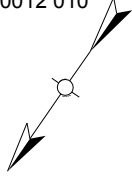
INSTALL ONE (1) 35' WOOD POLE (HEIGHT MAY NEED TO BE ALTERED IN THE FIELD) WITH ONE (1) ELECTRIC SERVICE.

INSTALL MODEL 336 CABINET ON NEWLY INSTALLED POLE.

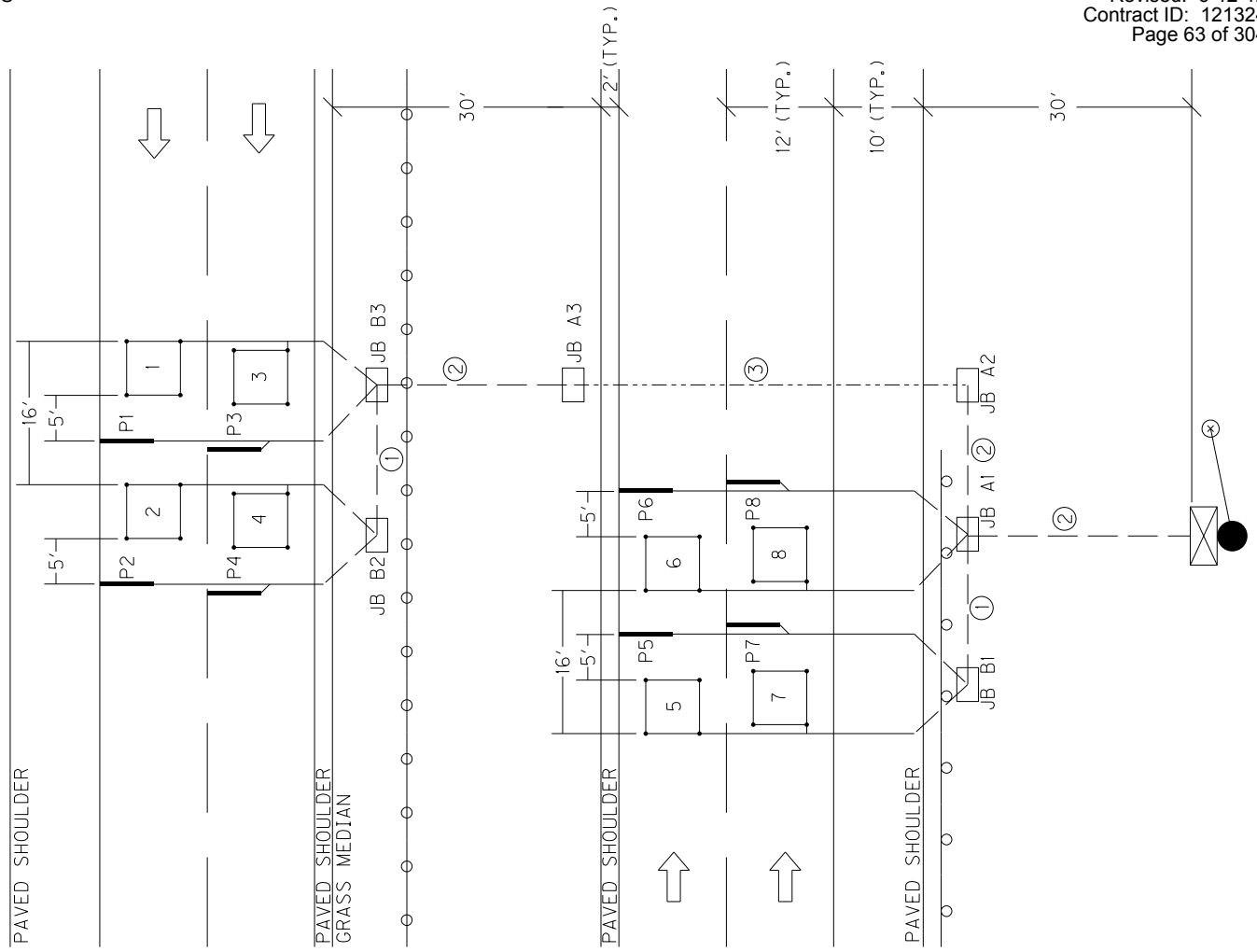
CODED NOTES:

- ① INSTALL ONE (1) 1/4" CONDUIT.
- ② INSTALL ONE (1) 2" CONDUIT.





FAYETTE CO. KY 4 m.p. 3.75
STATION P75
Figure 19



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 6'X6' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE FREE TO THE CABINET. A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 4' OF WIRE FOR EACH SENSOR INSIDE THE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

INSTALL THREE (3) TYPE A JUNCTION BOXES (JB A1, A2, AND A3) AND THREE (3) TYPE B JUNCTION BOXES (JB B1, B2, AND B3)

INSTALL ONE (1) 35' WOOD POLE, ANCHOR, GUY WIRE, AND GUY GUARD. INSTALL ONE (1) ELECTRIC SERVICE.

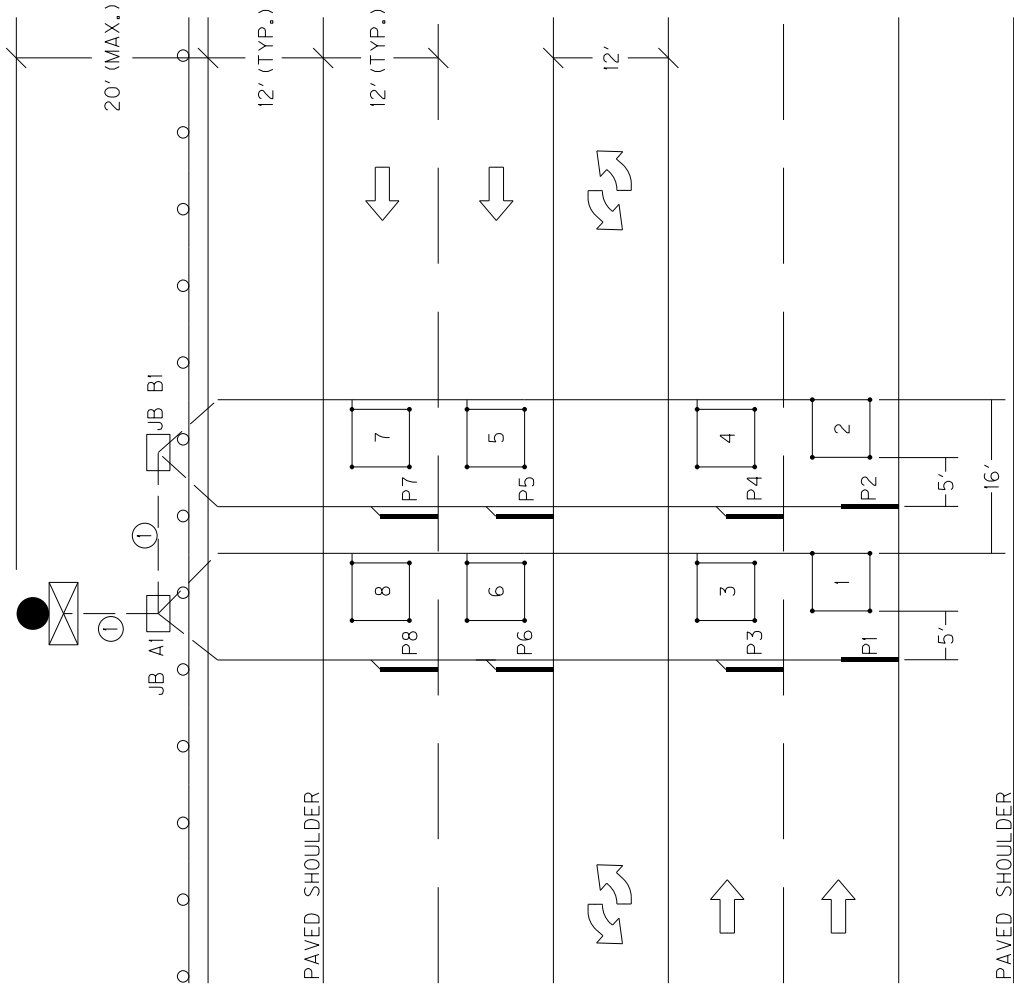
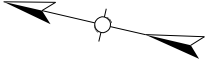
INSTALL MODEL 336 CABINET ON NEWLY INSTALLED POLE.

REMOVE ALL MATERIALS FROM EXISTING P75 SITE ON THE WESTBOUND SIDE OF THE ROAD AT M.P. 3.05. RETURN CABINET AND SOLAR EQUIPMENT TO THE DIVISION OF PLANNING AND DISPOSE OF THE REST OF THE MATERIAL OFF THE PROJECT.

CODED NOTES:

- ① INSTALL ONE (1) 1/4" CONDUIT.
- ② INSTALL ONE (1) 2" CONDUIT.
- ③ BORE AND JACK ONE (1) 2" CONDUIT.

MADISON CO. KY 52 m.p. 13.25
STATION P87
Figure 20



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 6'X6' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE-FREE TO THE CABINET. A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 8' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE THE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

INSTALL ONE (1) TYPE A JUNCTION BOX (JB A1) AND ONE (1) TYPE B JUNCTION BOX (JB B1)

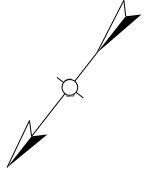
INSTALL ONE (1) 35' WOOD POLE (HEIGHT MAY NEED TO BE ALTERED IN THE FIELD DUE TO POWER LINES ABOVE) WITH ONE (1) ELECTRIC SERVICE.

INSTALL MODEL 336 CABINET ON NEWLY INSTALLED POLE.

CODED NOTE:

① INSTALL ONE (1) 2" CONDUIT.

MONTGOMERY CO. KY 713 m.p. 7.62
 STATION P86
 Figure 21



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 6'X6' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE-FREE TO THE CABINET. A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 4' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE THE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

INSTALL TWO (2) TYPE B JUNCTION BOXES (JB B1 AND B2)

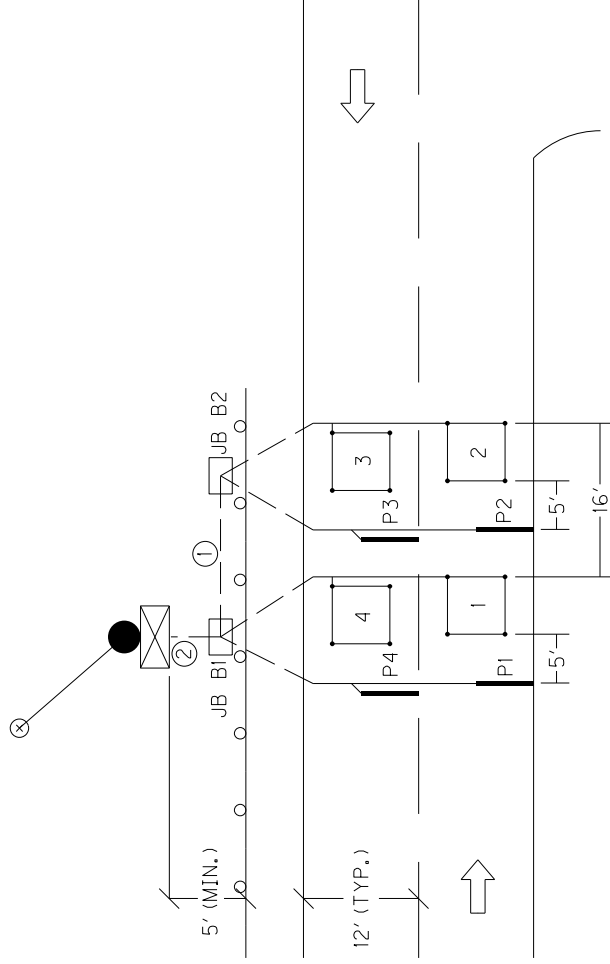
INSTALL ONE (1) 35'-WOOD POLE, ANCHOR, GUY WIRE, AND GUY GUARD. INSTALL ONE (1) ELECTRIC SERVICE.

INSTALL MODEL 336 CABINET ON NEWLY INSTALLED POLE.

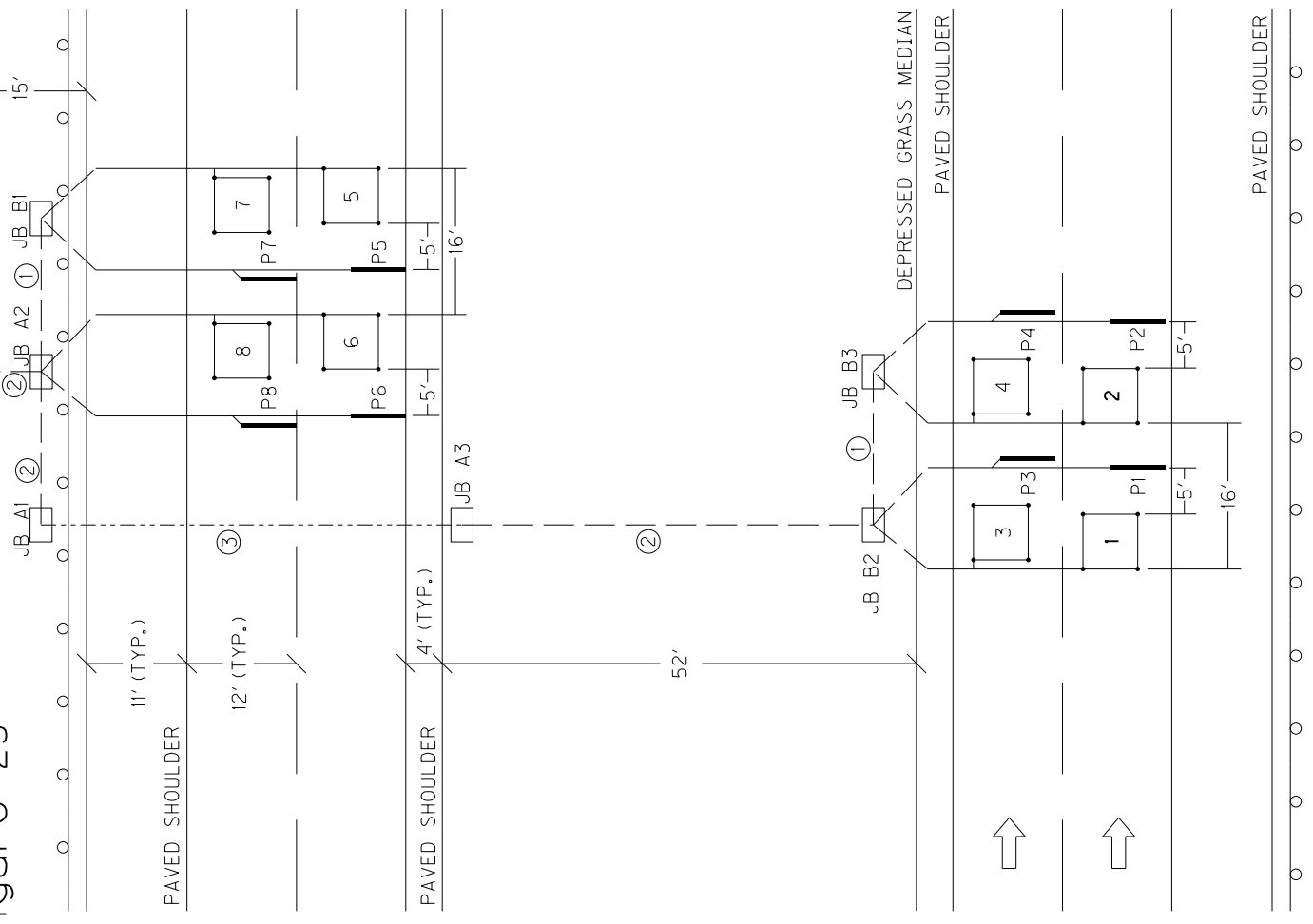
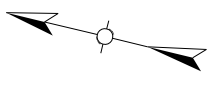
CODED NOTES:

① INSTALL ONE (1) 1/4" CONDUIT.

② INSTALL ONE (1) 2" CONDUIT.



CARTER CO. I-64 m.p. 167.05
STATION P47
Figure 23



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 6'X6' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE FREE TO THE CABINET. A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 4' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE THE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

INSTALL FOUR (4) TYPE A JUNCTION BOXES (A1, A2, A3 AND A4) AND TWO (2) TYPE B JUNCTION BOXES (B1 AND B2)

INSTALL ONE (1) 35' WOOD POLE WITH ONE (1) ELECTRIC SERVICE.

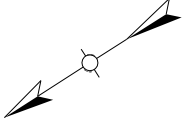
INSTALL MODEL 336 CABINET ON NEWLY INSTALLED POLE.

REMOVE ALL EXISTING EQUIPMENT AND DISPOSE OF OFF THE PROJECT.

CODED NOTES:

- ① INSTALL ONE (1) 1/4" CONDUIT.
- ② INSTALL ONE (1) 2" CONDUIT.
- ③ BORE AND JACK ONE (1) 2" CONDUIT.

FLEMING CO. KY 158 m.p. 9.10
STATION P88
Figure 24



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 5'X5' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5.5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE-FREE TO THE CABINET. A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 4' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

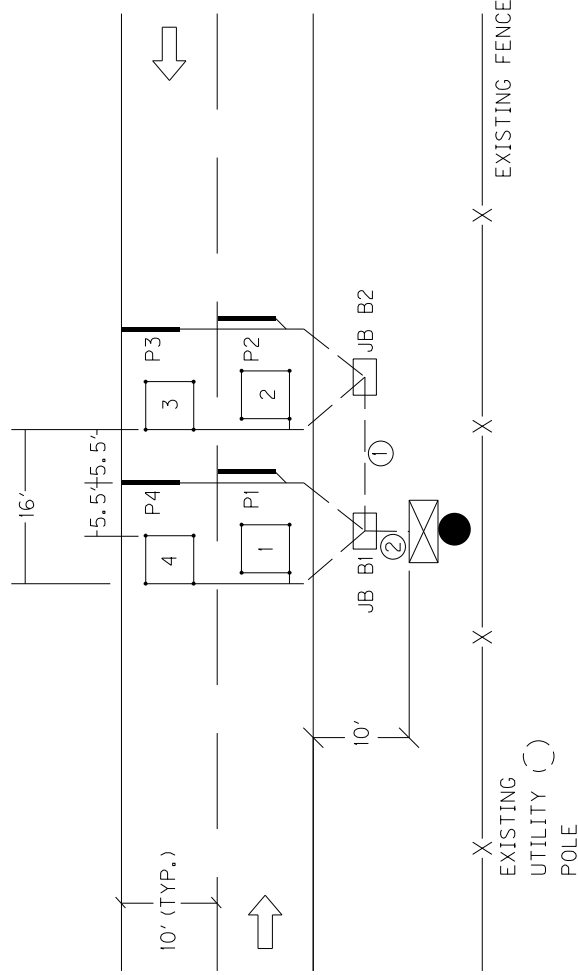
INSTALL TWO (2) TYPE B JUNCTION BOXES (JB B1 AND B2)

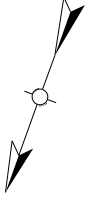
INSTALL ONE (1) 35' WOOD POLE (HEIGHT MAY NEED TO BE ALTERED IN THE FIELD DUE TO POWER LINES ABOVE) WITH ONE (1) ELECTRIC SERVICE.

INSTALL MODEL 336 CABINET ON NEWLY INSTALLED POLE.

CODED NOTES:

- ① INSTALL ONE (1) 1/4" CONDUIT.
- ② INSTALL ONE (1) 2" CONDUIT.





MASON CO. KY 8 m.p. 11.30
STATION P89
Figure 25

SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 6'X6' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE-FREE TO THE CABINET. A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 4' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE THE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

INSTALL TWO (2) TYPE B JUNCTION BOXES (JB B1, B2).

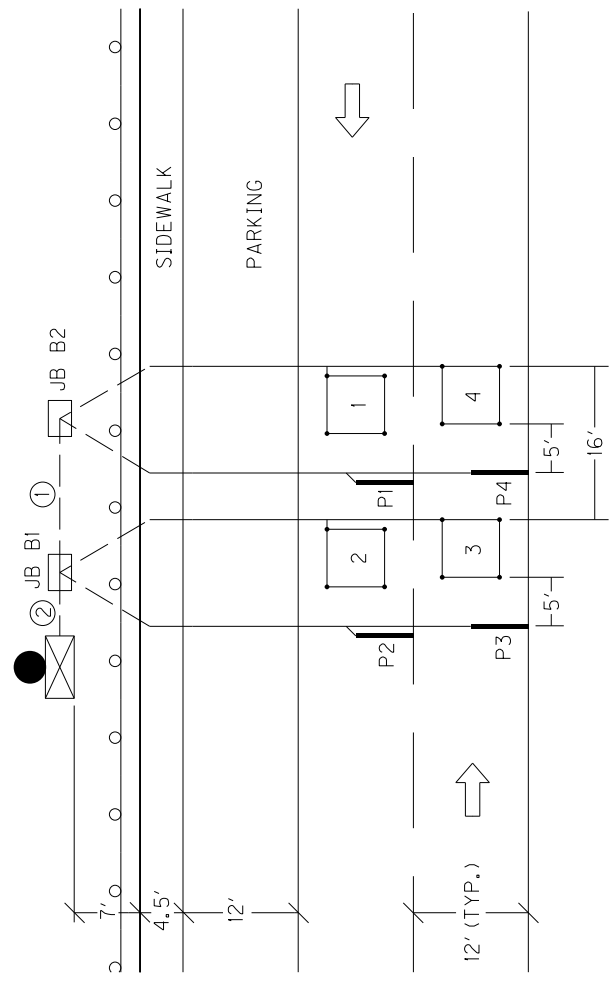
INSTALL ONE (1) 35' WOOD POLE (HEIGHT MAY NEED TO BE ALTERED IN THE FIELD DUE TO POWER LINES ABOVE) WITH ONE (1) ELECTRIC SERVICE.

INSTALL MODEL 336 CABINET ON NEWLY INSTALLED POLE.

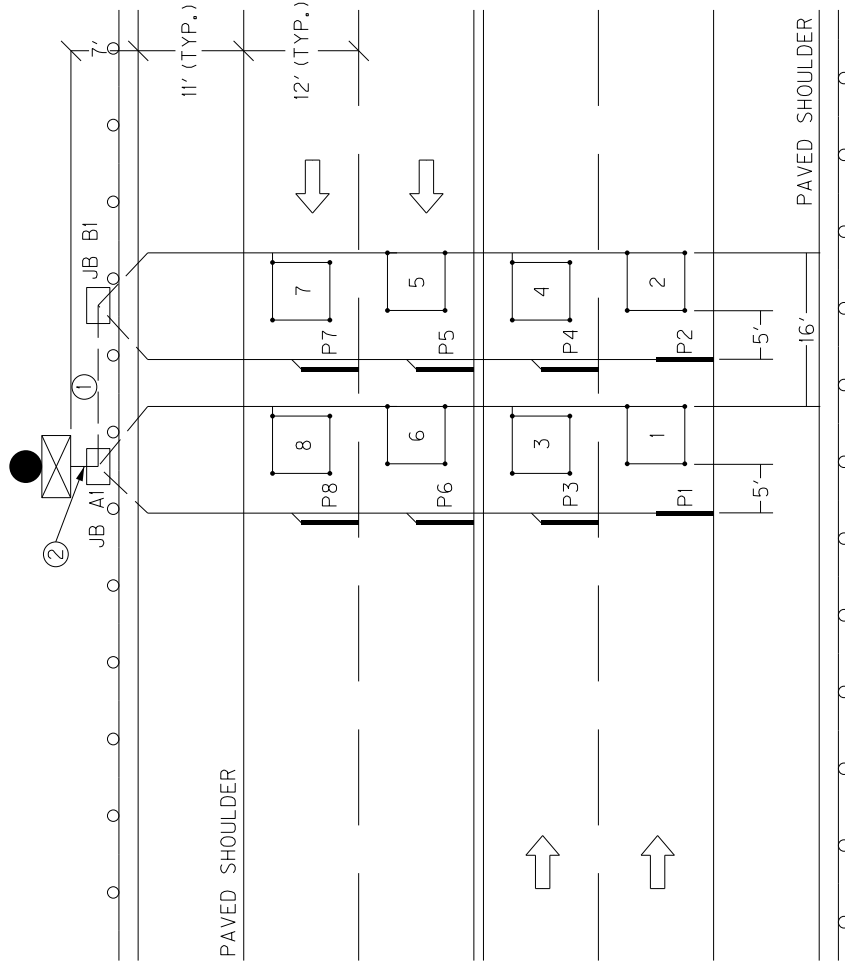
CODING NOTE:

① INSTALL ONE (1) 1 1/4" CONDUIT.

② INSTALL ONE (1) 2" CONDUIT.



BOYD CO. US 23 m.p. 11.90
STATION IO1
Figure 26



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 6'X6' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE-FREE TO THE CABINET. A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 4' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE THE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

INSTALL ONE (1) TYPE A JUNCTION BOX (JB A1) AND ONE (1) TYPE B JUNCTION BOX (JB B1)

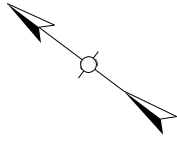
INSTALL ONE (1) 35' WOOD POLE WITH ONE (1) ELECTRIC SERVICE.

INSTALL MODEL 336 CABINET ON NEWLY INSTALLED POLE.

CODED NOTES:

- ① INSTALL ONE (1) 1/4" CONDUIT.
- ② INSTALL ONE (1) 2" CONDUIT.

BREATHITT CO. KY 1098 m.p. 7.05
STATION I02
Figure 28



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 6'X6' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE-FREE TO THE CABINET. A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 4' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE THE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

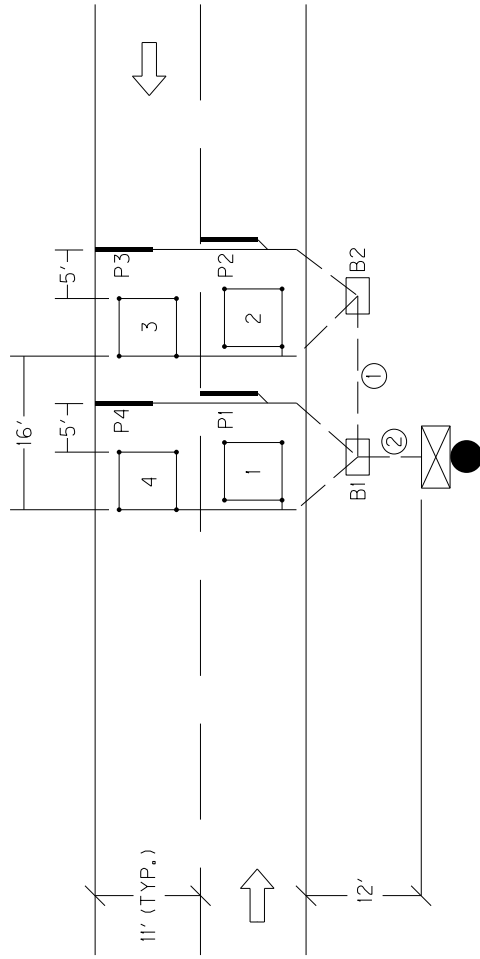
INSTALL TWO (2) TYPE B JUNCTION BOXES (B1, B2)

INSTALL ONE (1) 35' WOOD POLE WITH ONE (1) ELECTRIC SERVICE.

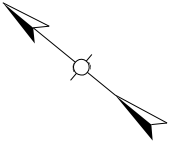
INSTALL MODEL 336 CABINET ON NEWLY INSTALLED POLE.

CODED NOTES:

- ① INSTALL ONE (1) 1/4" CONDUIT.
- ② INSTALL ONE (1) 2" CONDUIT.



WHITLEY CO. US 25W m.p. 31.06
STATION I03
Figure 30



SITE LOCATION IS APPROXIMATE AND WILL BE DETERMINED IN THE FIELD AND APPROVED BY DIVISION OF PLANNING PERSONNEL PRIOR TO ANY CONSTRUCTION.

ALL LOOPS SHALL BE 6'X6' SQUARE AND SHALL BE INSTALLED 16' FROM LEADING EDGE TO LEADING EDGE AS SHOWN. PIEZOELECTRIC SENSORS (PIEZOS) SHALL BE INSTALLED 5' FROM THE EDGE OF LOOPS WITH THE EDGE OF EACH PIEZO FLUSH WITH THE EDGE OF THE CORRESPONDING DRIVING LANE. LOOPS AND PIEZOS SHALL BE INSTALLED SPLICE-FREE TO THE CABINET. A MINIMUM OF 2' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE EACH JUNCTION BOX AND A MINIMUM OF 4' OF WIRE FOR EACH SENSOR SHALL BE COILED INSIDE THE CABINET. ALL LOOPS AND PIEZOS SHALL BE LABELED IN ALL JUNCTION BOXES AND CABINET. DIVISION OF PLANNING PERSONNEL WILL CONNECT THE LOOPS AND PIEZOS INSIDE THE CABINET.

INSTALL ONE (1) 1/4" CONDUIT FROM EACH SAW SLOT TO NEAREST JUNCTION BOX.

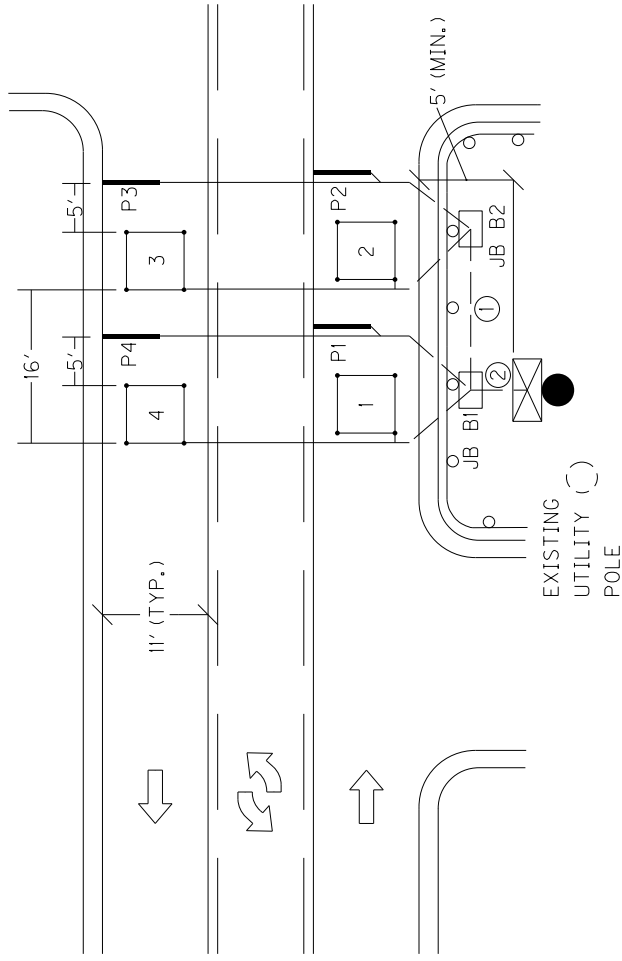
INSTALL TWO (2) TYPE B JUNCTION BOXES (JB B1, B2)

INSTALL ONE (1) 35' WOOD POLE WITH ONE (1) ELECTRIC SERVICE.

INSTALL MODEL 336 CABINET ON NEWLY INSTALLED POLE.

CODED NOTES:

- ① INSTALL ONE (1) 1/4" CONDUIT.
- ② INSTALL ONE (1) 2" CONDUIT.



CONTRACT ID: 121324
COUNTY: VARIOUS
PROPOSAL: SP 0012 010

PAGE: 1
LETTING: 06/15/12
CALL NO: 104

LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
SECTION 0001 TRAFFIC COUNT STATIONS						
0010	02562	SIGNS	160.000	SQFT		
0020	02650	MAINTAIN & CONTROL TRAFFIC	(1.00)	LS		
0030	02654	TRUCK MOUNTED ATTENUATOR	1.000	EACH		
0040	02671	PORTABLE CHANGEABLE MESSAGE SIGN	2.000	EACH		
0050	02775	ARROW PANEL	2.000	EACH		
0060	04793	CONDUIT-1 1/4 IN	2,185.000	LF		
0070	04795	CONDUIT-2 IN	925.000	LF		
0080	04811	ELECTRICAL JUNCTION BOX TYPE B	64.000	EACH		
0090	04820	TRENCHING AND BACKFILLING	3,115.000	LF		
0100	04829	PIEZOELECTRIC SENSOR	190.000	EACH		
0110	04830	LOOP WIRE	55,068.000	LF		
0120	04871	POLE 35 FT WOODEN	21.000	EACH		
0130	04895	LOOP SAW SLOT AND FILL	10,158.000	LF		
0140	04899	ELECTRICAL SERVICE	20.000	EACH		
0160	20359NN	GALVANIZED STEEL CABINET	9.000	EACH		
0170	20360ES818	WOOD POST	18.000	EACH		
0180	20391NS835	ELECTRICAL JUNCTION BOX TYPE A	31.000	EACH		
0190	21543EN	BORE AND JACK CONDUIT	300.000	LF		
0200	23206EC	INSTALL CONTROLLER CABINET	21.000	EACH		
SECTION 0002 DEMOBILIZATION						

CONTRACT ID: 121324
COUNTY: VARIOUS
PROPOSAL: SP 0012 010

PAGE: 2
LETTING: 06/15/12
CALL NO: 104

LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0210	02569	DEMOBILIZATION (AT LEAST 1.5%)		LUMP		
		TOTAL BID				