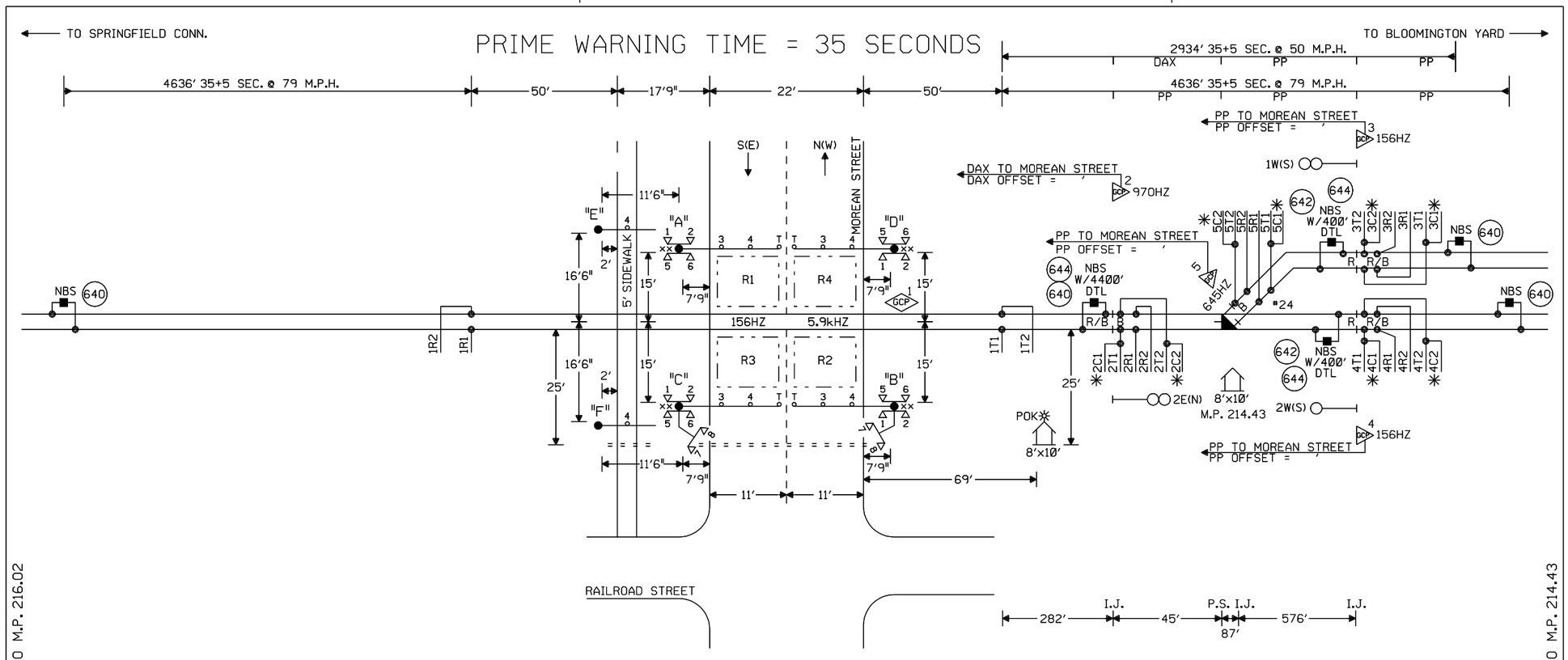

NOTES:

⊗ = TWISTED WIRES
INSULATED 1 TWIST PER FT.
ALL TRACK WIRES 2C. #6

TRANSMITTER AND RECEIVER LEADS TO BE SEPARATED BY AT LEAST 12" IN TRENCH, LENGTHS SHOULD NOT EXCEED MANUFACTURES RECOMMENDATION.

TOP OF FOUNDATION TO BE AT SAME ELEVATION AS THE SURFACE OF THE TRAVELED WAY & NO MORE THAN 4" ABOVE THE SURFACE OF THE GROUND.

ALL BUNGALOW WIRING TO BE #16 AWG FLEX UNLESS OTHERWISE SPECIFIED EXCEPT ALL GROUND WIRE TO BE #6 AWG FLEX OR LARGER.

ALL WIRING IN GATE MECHANISM TO BE #10 "AWG FLEX".

REFER TO UP STANDARD DWG FOR BUNGALOW GROUNDING.

PORTABLE GENERATOR EXTENSION CORD FOR 240V TO 240V IS PROVIDED AS WELL AS A 120V TO 240V ADAPTER.

ALL LIGHTS TO BE 12" ROUNDELS.

= = = = = = 4" X 120' CONDUIT

LIGHTS: LED LIGHTS

GATE A: 18'
GATE B: 18'
GATE C: 18'
GATE D: 18'
GATE E: 7'
GATE F: 7'

xx = BELL

EXIT GATE MANAGEMENT SYSTEM (EGMS) LOOP LOCATION:

1.) 12" FROM CONCRETE CROSSING PANEL. MAY VARY FROM 6" TO 12" DEPENDING ON PAVEMENT QUALITY.

2.) 2' FROM CROSSING CENTERLINE.

3.) 3.5' FROM GATE ARM.

4.) 2' FROM THE EDGE OF THE TRAVELED WAY. MAY BE INCREASED UP TO A MAXIMUM OF 5' WHERE AN IMPROVED SHOULDER OR OTHER EXISTS.

5.) MAXIMUM LOOP WIDTH NOT TO EXCEED 8' AND MINIMUM WIDTH TYPICALLY NOT TO BE LESS THAN 5'. LOOPS BETWEEN TRACKS MUST NOT BE LESS THAN 3'. HOWEVER SMALLER LOOPS ARE ACCEPTABLE.

6.) DISTANCE BETWEEN ADJACENT LOOPS FOR ONE DIRECTION OF TRAFFIC MUST NOT EXCEED 13'.

7.) MAXIMUM LOOP AREA NOT TO EXCEED 144 SQUARE FEET.

8.) MAXIMUM LENGTH OF THE LONGEST SIDE OF A LOOP SHALL NOT EXCEED 28'6".

— — = EGMS LOOP

W(S) ◄——○——► E(N)

✳ TIE THE CHECK AND TRANSMIT TRACK WIRES TOGETHER AT OR NEAR THE BOOTLEG CONNECTION AND RUN A SINGLE WIRE TO THE RAIL.

CONSTRUCTION NOTES:

1. CABIN LOCATION NEEDS TO BE VERIFIED BY ICC PERSONNEL.

2. WHEN PLACING THE HOUSE THE 10' OR LONG SIDE OF THE HOUSE NEEDS TO BE PARALLEL WITH THE TRACKS.

NEW SHEET

Designed: 01/23/12
TIER 2 PHASE 2
M.P. 216.08 TO M.P. 202.35
UPGRADE XINGS TO 4 QUAD WITH EGMS, VARIOUS CP'S
Rec#: WO#: 12774
IS: MWK / / /NST/MJF

MODIFICATION LEVEL	
Q.A. LAST LEVEL CHECKED	DU
LAST LEVEL MOD THIS TYPICAL	DU
LAST LEVEL BY DESIGNER	DU
CHANGED FROM TYPICAL?	Y

REV 01.24.11 4K 2TKEGMS.1

CIRCUIT MODIFICATIONS ARE NOT TO BE MADE WITHOUT AUTHORITY FROM THE OFFICE OF SIGNAL DESIGN

Date: 01/23/12
Des: NST
Chk: MWK
AFE: 12774

UNION PACIFIC RAILROAD
NILWOOD, ILLINOIS
MOREAN STREET
SPRINGFIELD SUBDIVISION
Office of Sr AVP Engineering - Signal/TCO Omaha, Nebraska

Sh.: 1
DOT 294373K
MP: 214.48
ID: CSL21448.1X