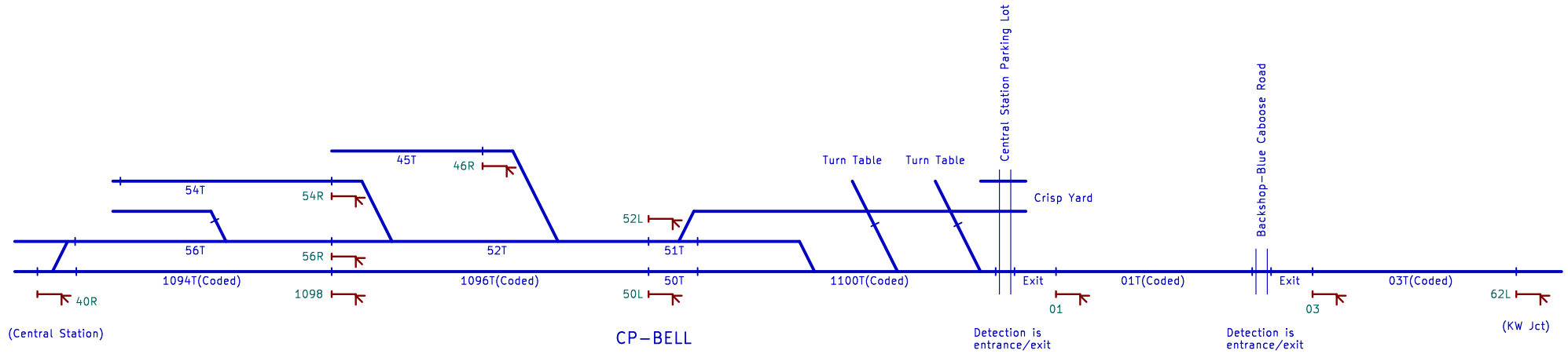


Track Diagram Bell – KW Jct



1096

 File: 1096.kicad_sch

bell

 File: bell.kicad_sch

01

 File: 01.kicad_sch

03

 File: 03.kicad_sch

GradeCrossings

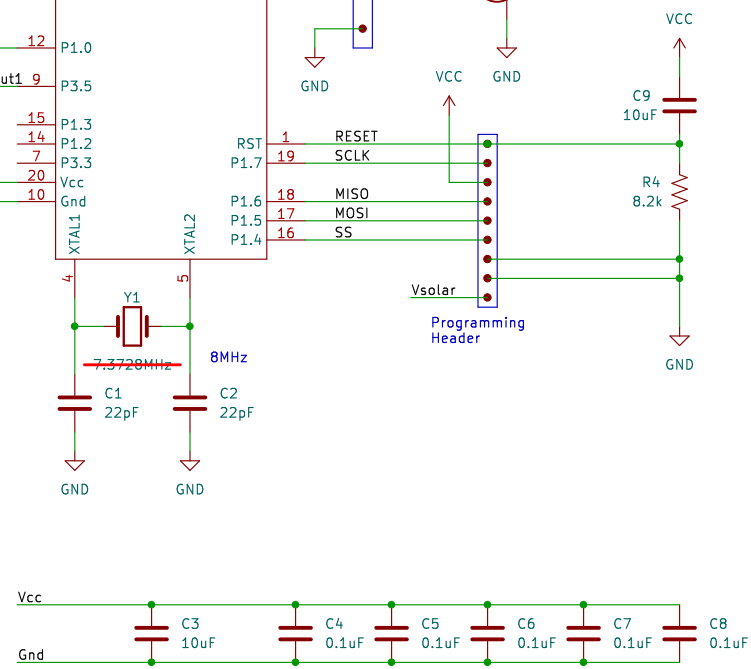
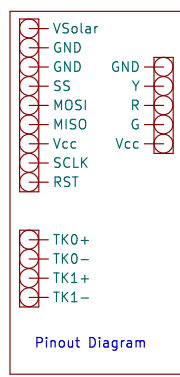
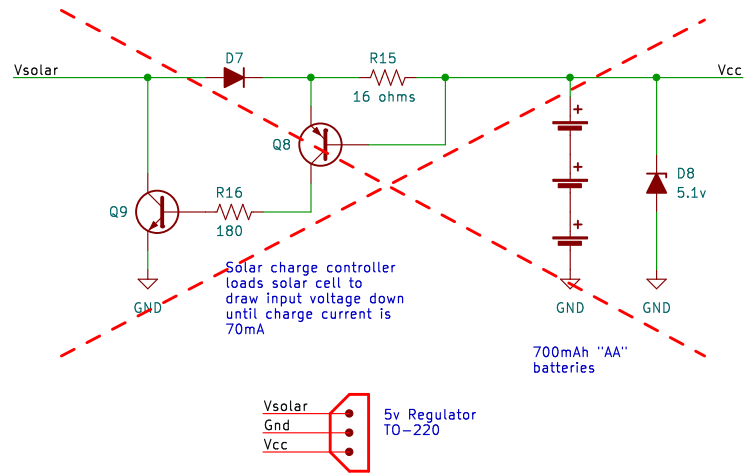
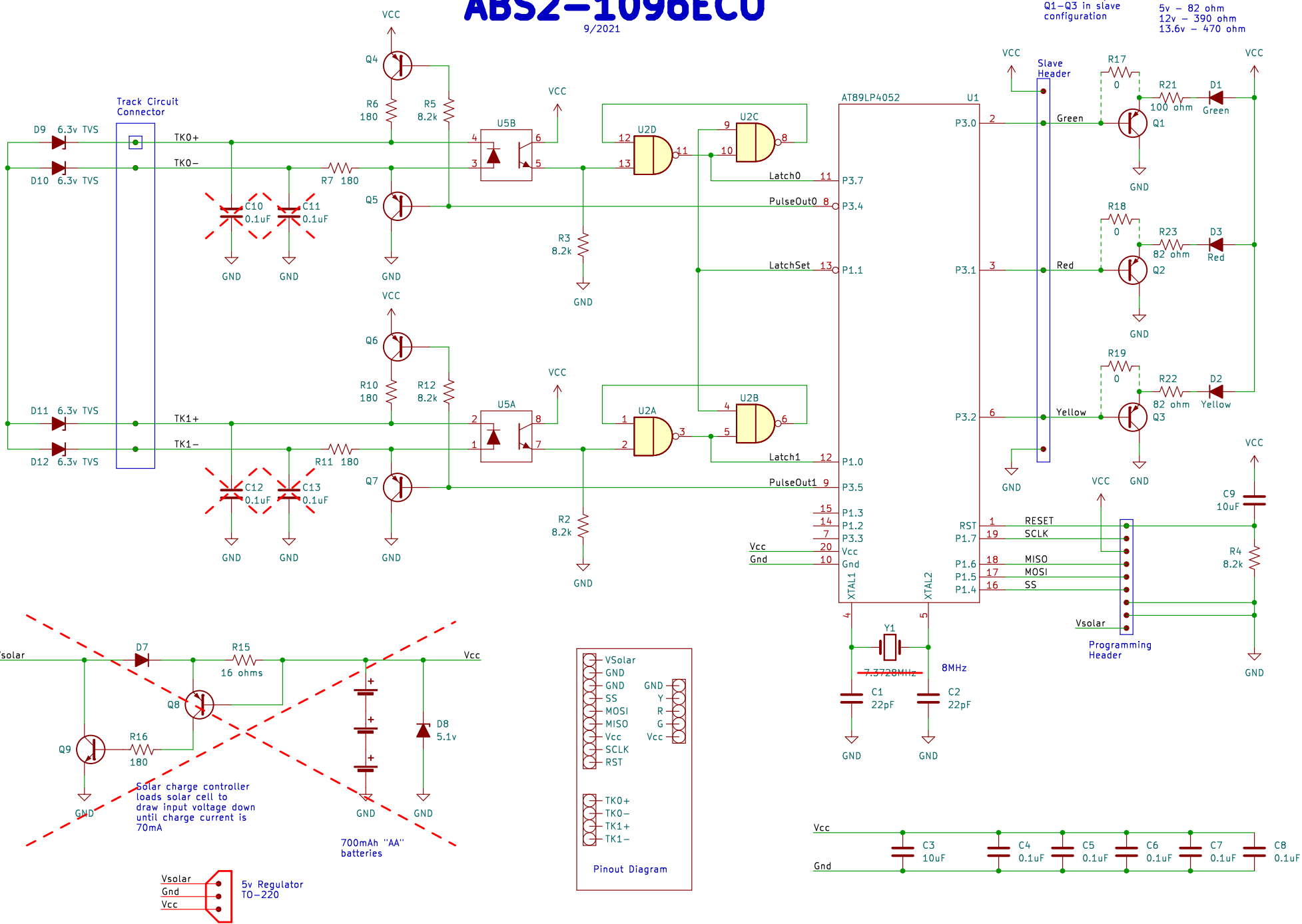
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ABS2-1096ECO

9/2021

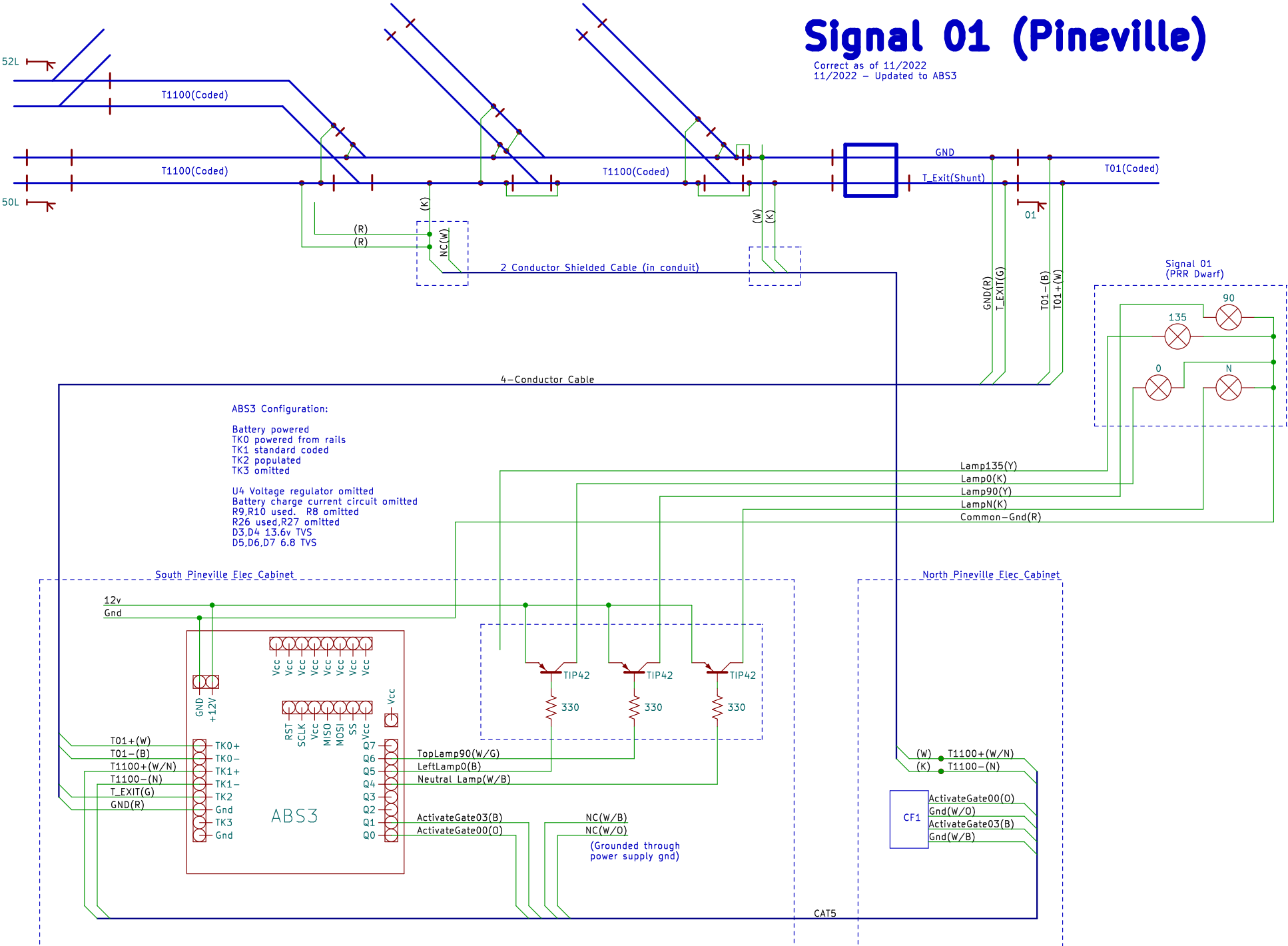
R17-R19 replace
Q1-Q3 in slave
configuration
R21-R23

5v - 82 ohm
12v - 390 ohm
13.6v - 470 ohm



Signal 01 (Pineville)

Correct as of 11/2022
11/2022 - Updated to ABS3

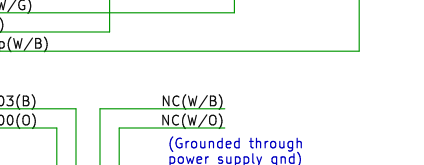
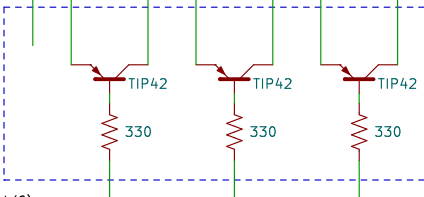
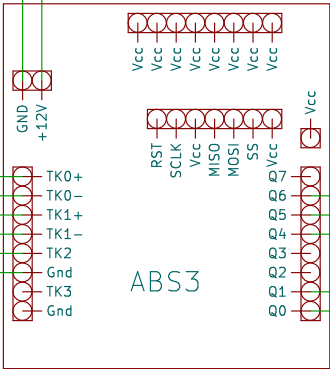


ABS3 Configuration:

- Battery powered
- TK0 powered from rails
- TK1 standard coded
- TK2 populated
- TK3 omitted
- U4 Voltage regulator omitted
- Battery charge current circuit omitted
- R9,R10 used, R8 omitted
- R26 used,R27 omitted
- D3,D4 13.6v TVS
- D5,D6,D7 6.8 TVS

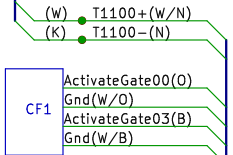
South Pineville Elec Cabinet

12v
Gnd

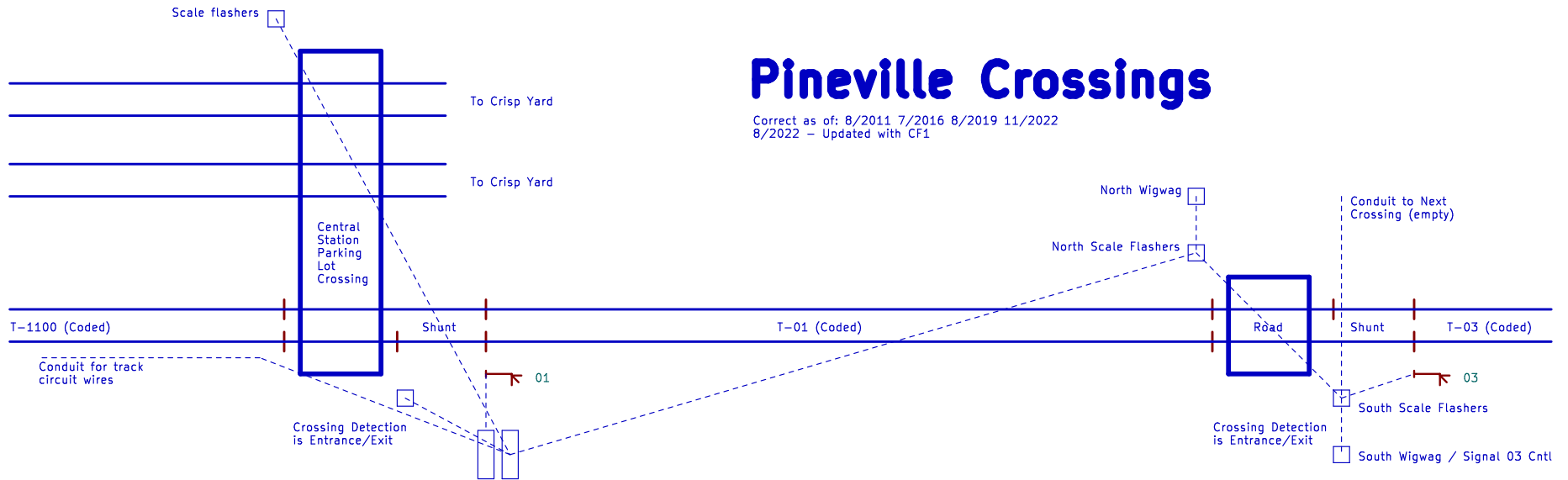
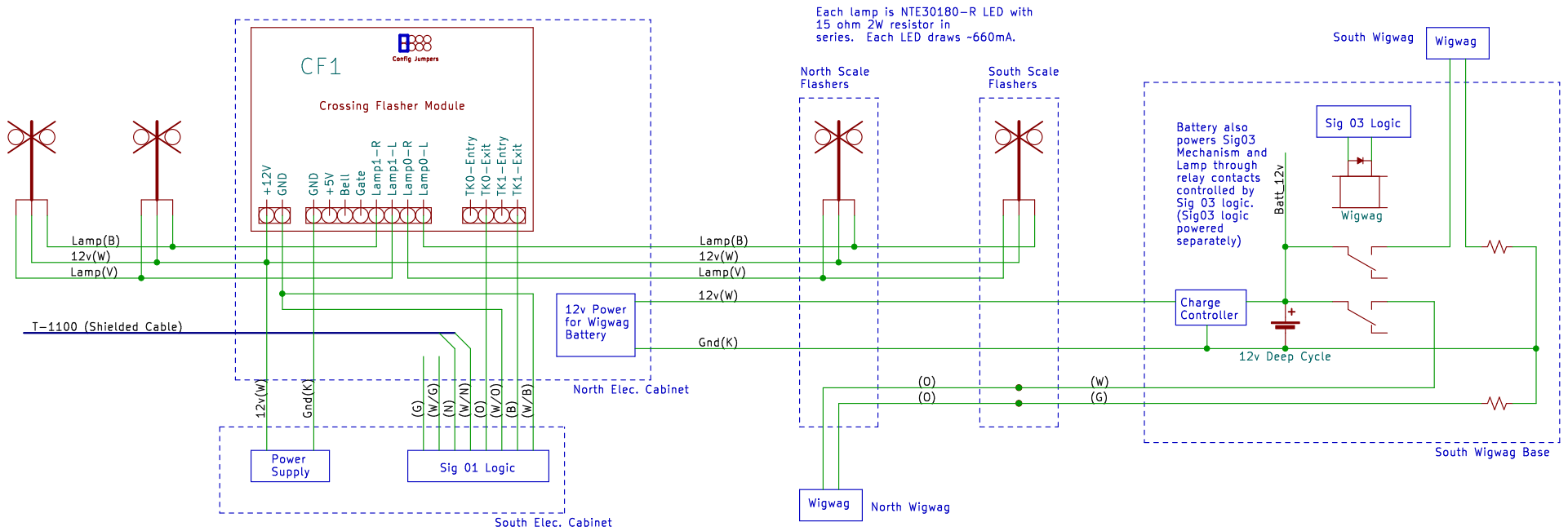


(Grounded through power supply gnd)

North Pineville Elec Cabinet



CAT5



Pineville Crossings

Correct as of: 8/2011, 7/2016, 8/2019, 11/2022, 8/2022 - Updated with CF1

MP 0.00

Two elec. cabinets in Pineville scale structure

Main Conduit Contents

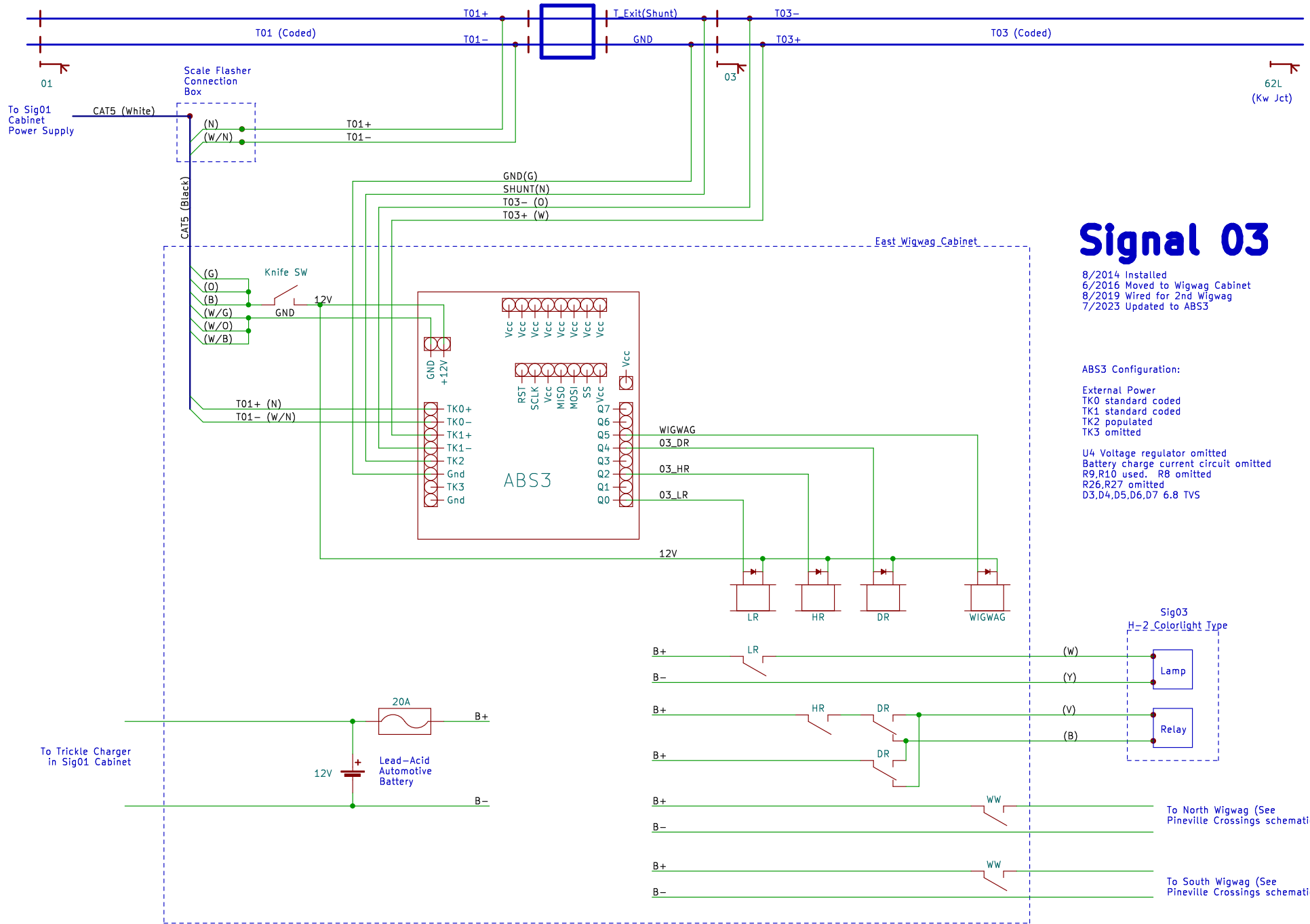
White, Purple, Blue - Scale Crossing Flashers
 12 AWG White, Black - Trickle Charge for WigWag
 White CAT5:
 G, O, B = 12v for Signal 03 Logic
 W/G, W/O, W/B = Gnd for Signal 03 Logic
 N, W/N = No Connect
 White, Orange, Red - Sprinkler System

Under-Road Conduit Contents

White, Purple, Blue - Scale Crossing Flashers
 12 AWG White, Black - Trickle Charge for WigWag
 Black CAT5:
 G, O, B = 12v for Signal 03 Logic
 W/G, W/O, W/B = Gnd for Signal 03 Logic
 N, W/N = T-01 Coded Track Circuit
 O, 0 - Operating Power for Northern WigWag

South WigWag Conduit Contents

12 AWG White, Black - Trickle Charge for WigWag
 Black CAT5:
 G, O, B = 12v for Signal 03 Logic
 W/G, W/O, W/B = Gnd for Signal 03 Logic
 N, W/N = T-01 Coded Track Circuit
 W, G - Operating Power for Northern WigWag
 9-Conductor Cable for Signal 03 Control



Signal 03

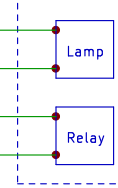
8/2014 Installed
 6/2016 Moved to Wigwag Cabinet
 8/2019 Wired for 2nd Wigwag
 7/2023 Updated to ABS3

ABS3 Configuration:

External Power
 TK0 standard coded
 TK1 standard coded
 TK2 populated
 TK3 omitted

U4 Voltage regulator omitted
 Battery charge current circuit omitted
 R9,R10 used. R8 omitted
 R26,R27 omitted
 D3,D4,D5,D6,D7 6.8 TVS

Sig03 H=2_Colorlight Type



To North Wigwag (See Pineville Crossings schematic)

To South Wigwag (See Pineville Crossings schematic)