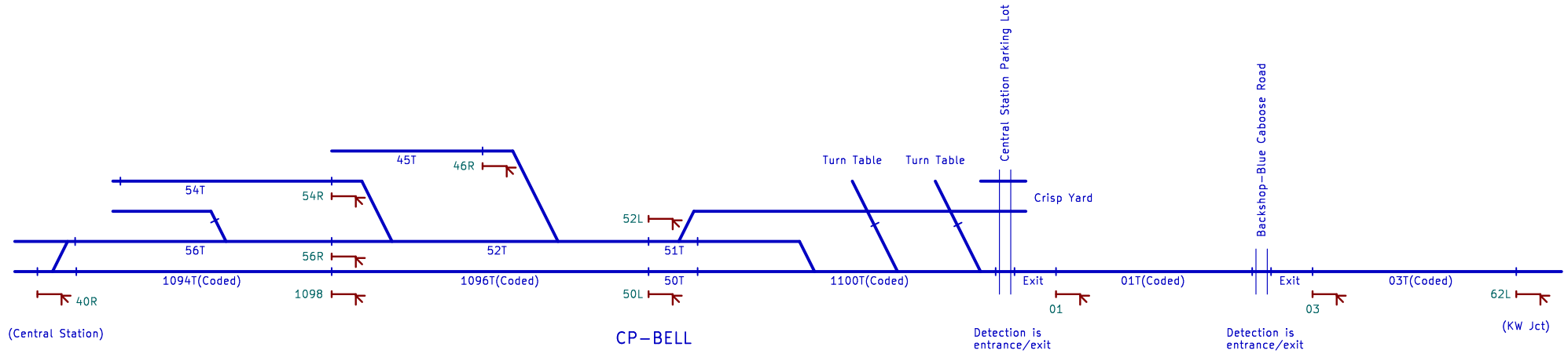


Track Diagram Bell – KW Jct



1096

 File: 1096.kicad_sch

bell

 File: bell.kicad_sch

01

 File: 01.kicad_sch

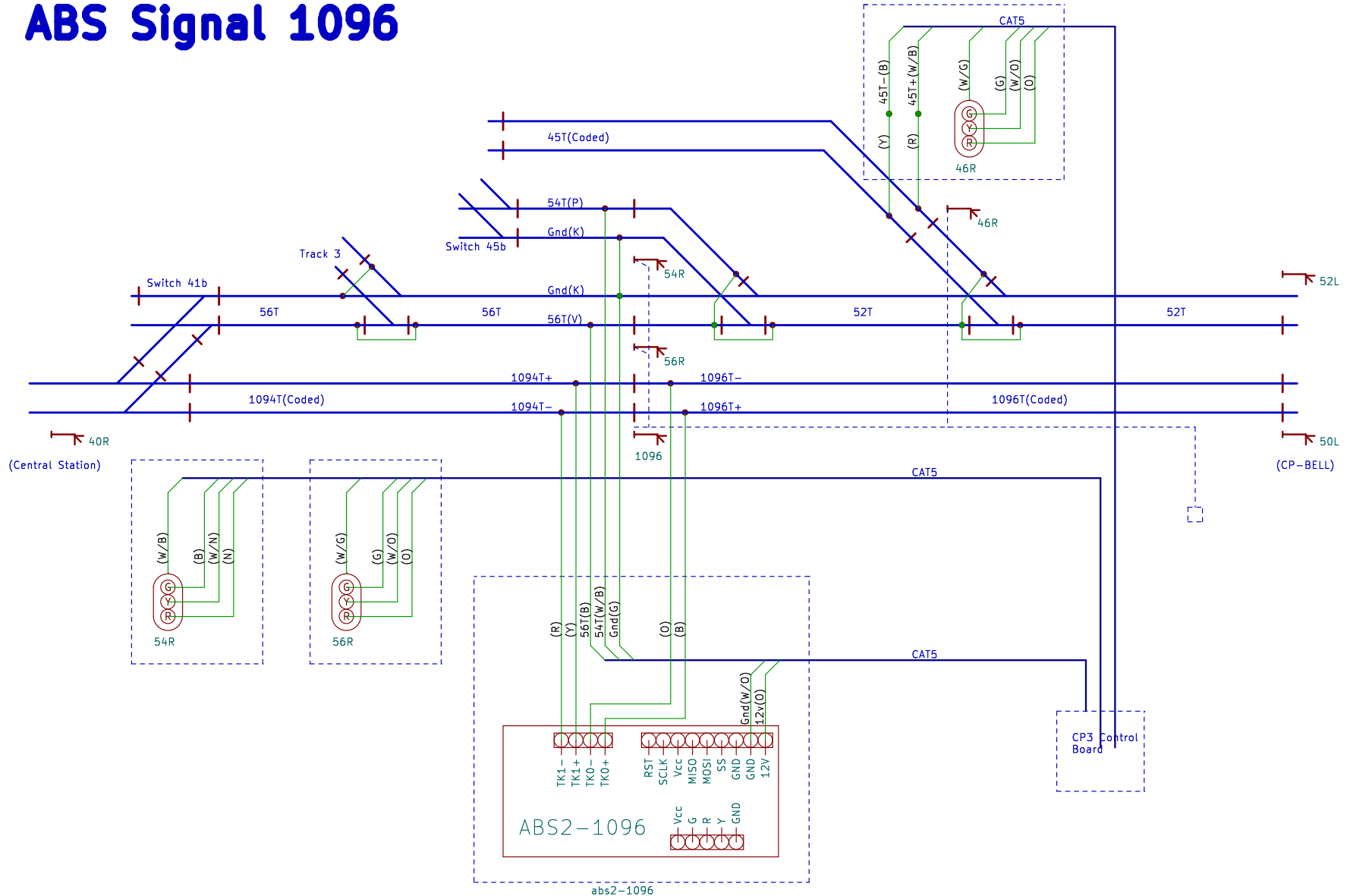
03

 File: 03.kicad_sch

GradeCrossings

 File: gc-pineville.kicad_sch

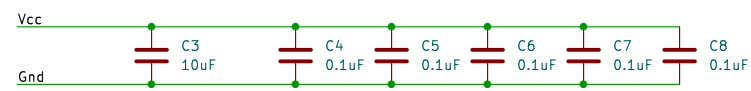
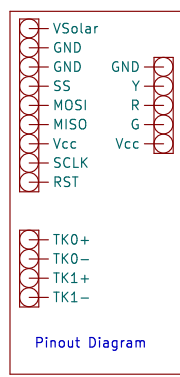
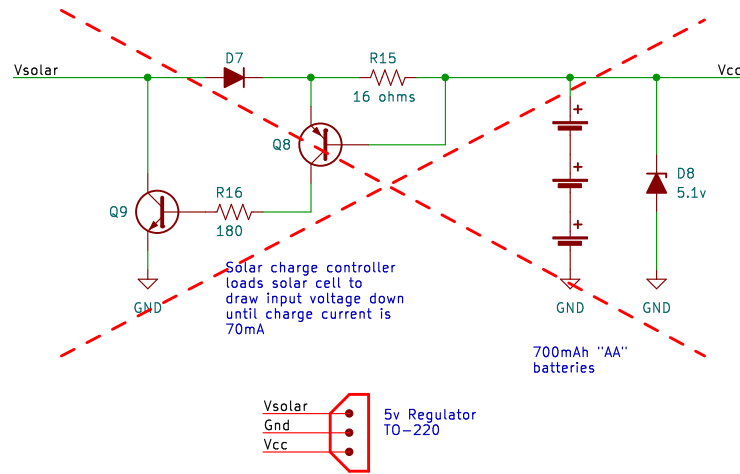
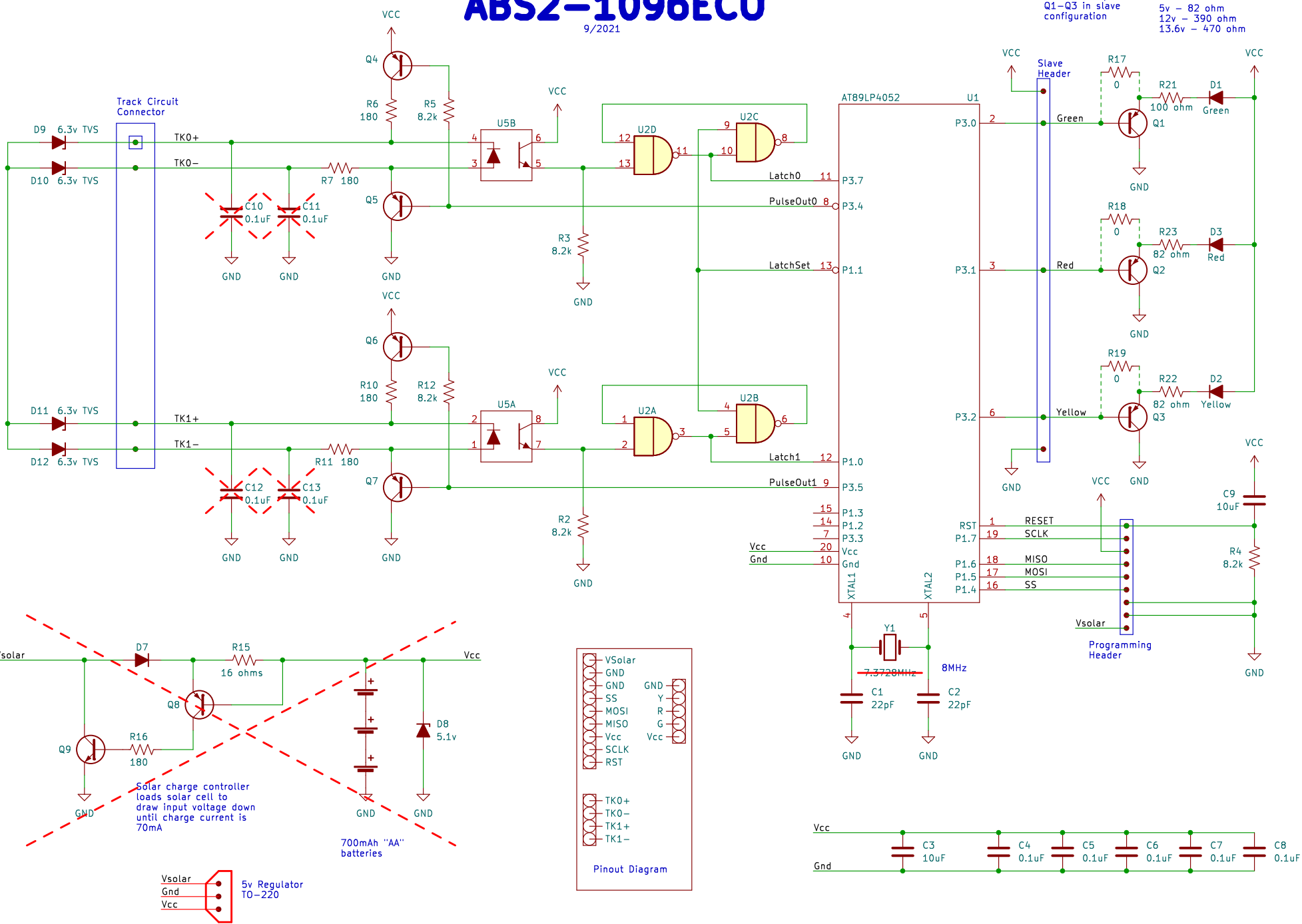
CP-BELL 54R, 56R, 46R ABS Signal 1096

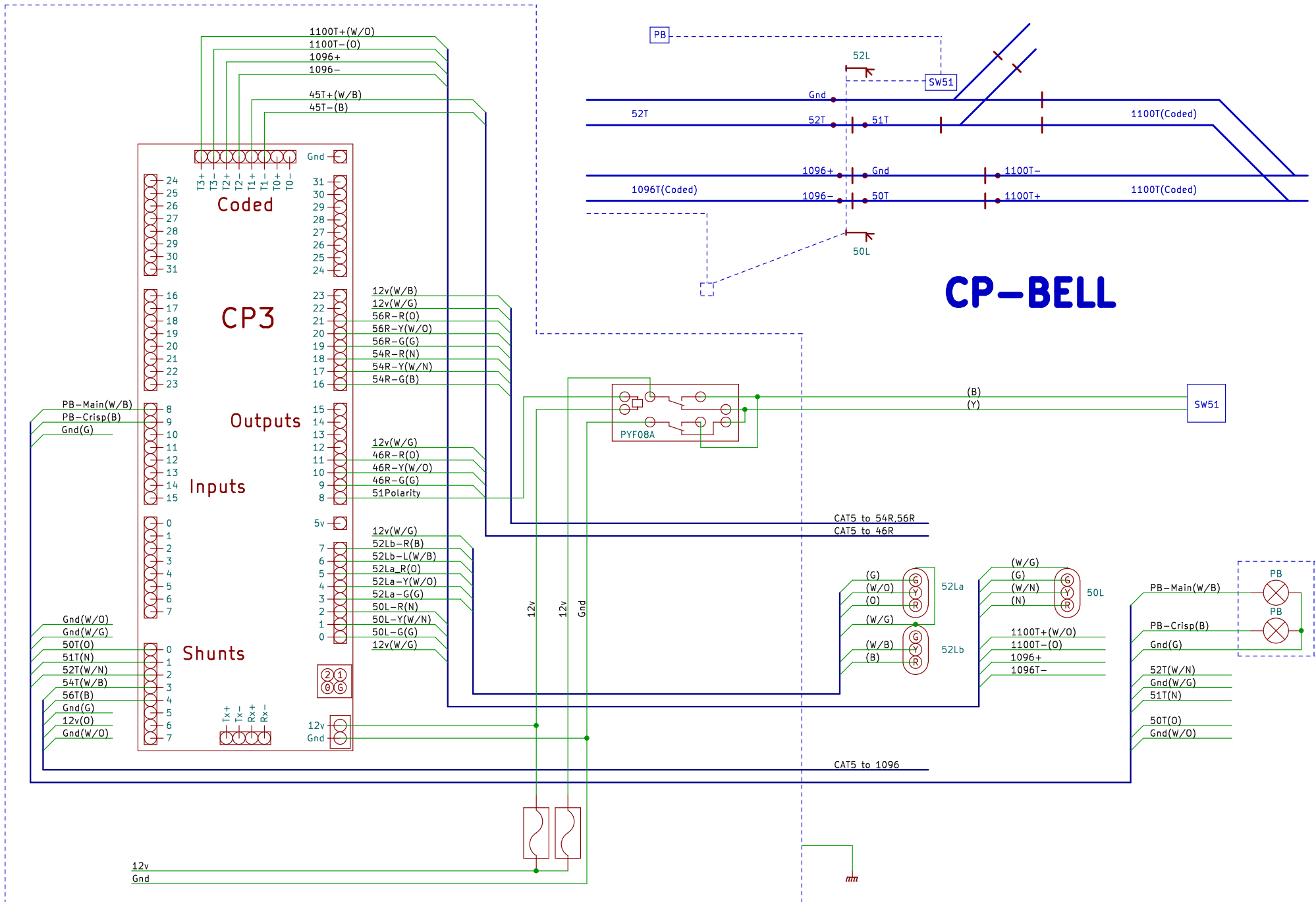


ABS2-1096ECO

9/2021

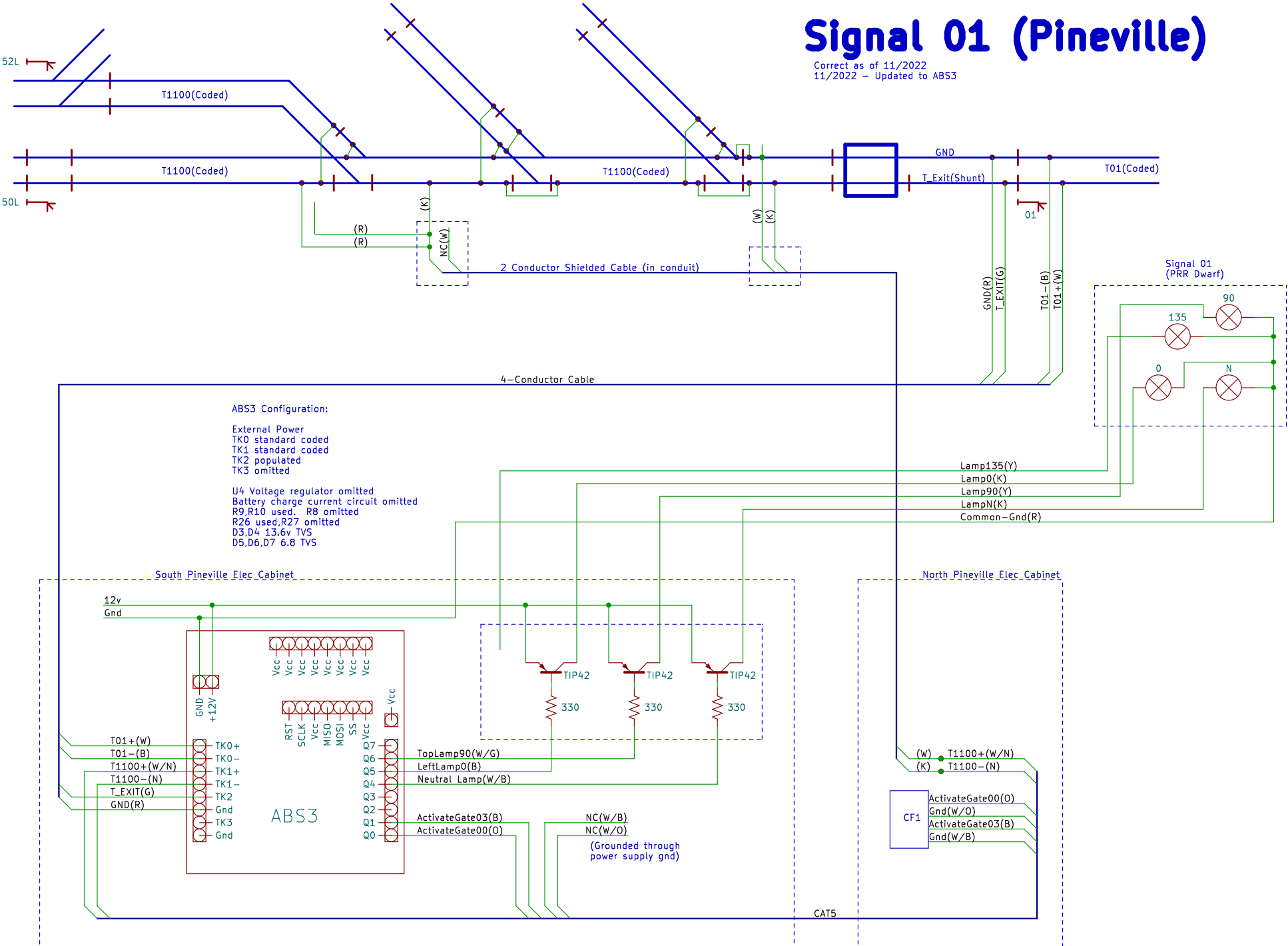
R17-R19 replace Q1-Q3 in slave configuration
 5v - 82 ohm
 12v - 390 ohm
 13.6v - 470 ohm





Signal 01 (Pineville)

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



ABS3 Configuration:

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 used,R27 omitted
D3,D4 13.6v TVS
D5,D6,D7 6.8 TVS

South Pineville Elec Cabinet

12v
Gnd

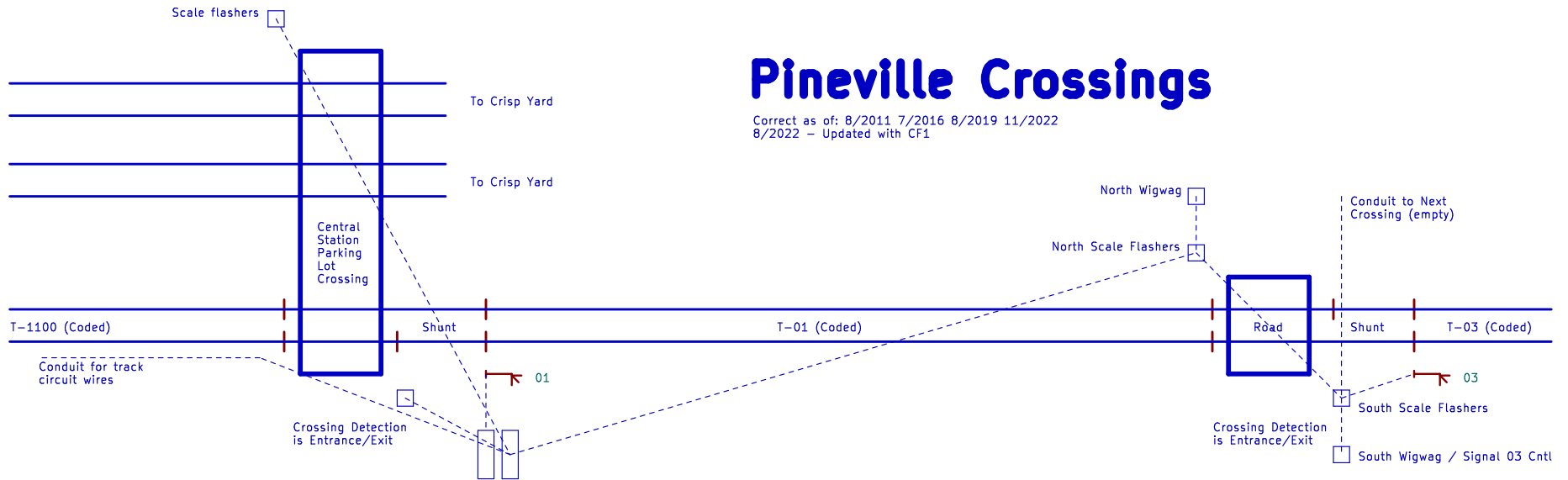
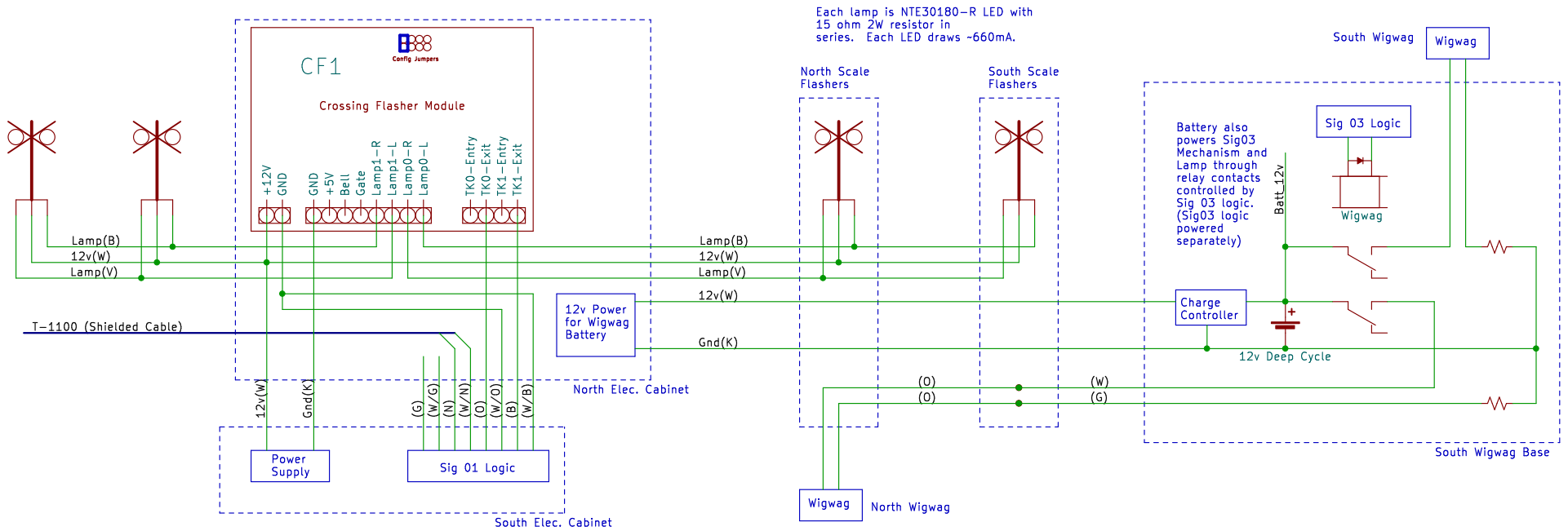
ABS3

(Grounded through power supply gnd)

North Pineville Elec Cabinet

CF1

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

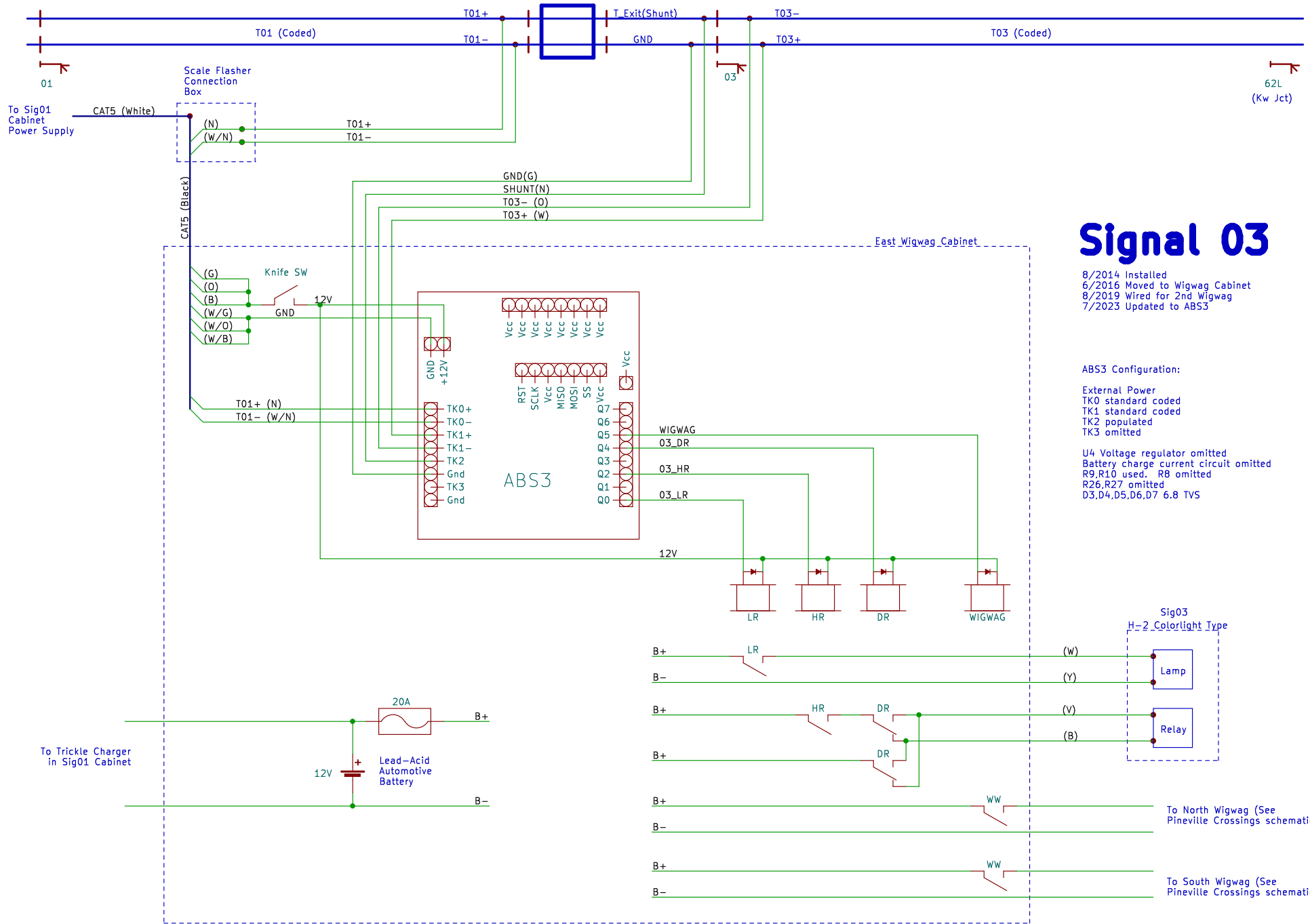
White, Purple, Blue - Scale Crossing Flashers
12 AWG White, Black - Trickle Charge for WigWag
White CAT5:
G, O, B = 12v for Signal 03 Logic
W/G, W/O, W/B = Gnd for Signal 03 Logic
N, W/N = No Connect
White, Orange, Red - Sprinkler System

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, O - 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

62L
 (Kw Jct)

Sig03
 H=2_Colorlight Type

To North Wigwag (See Pineville Crossings schematic)

To South Wigwag (See Pineville Crossings schematic)