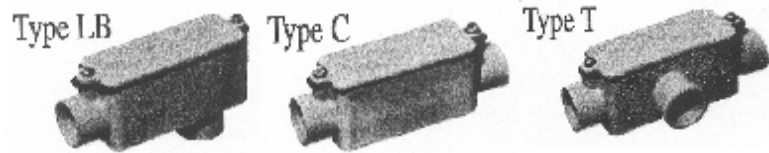


Wyes Field Kit

1. Basics - Conduit Fittings & Tie Marking

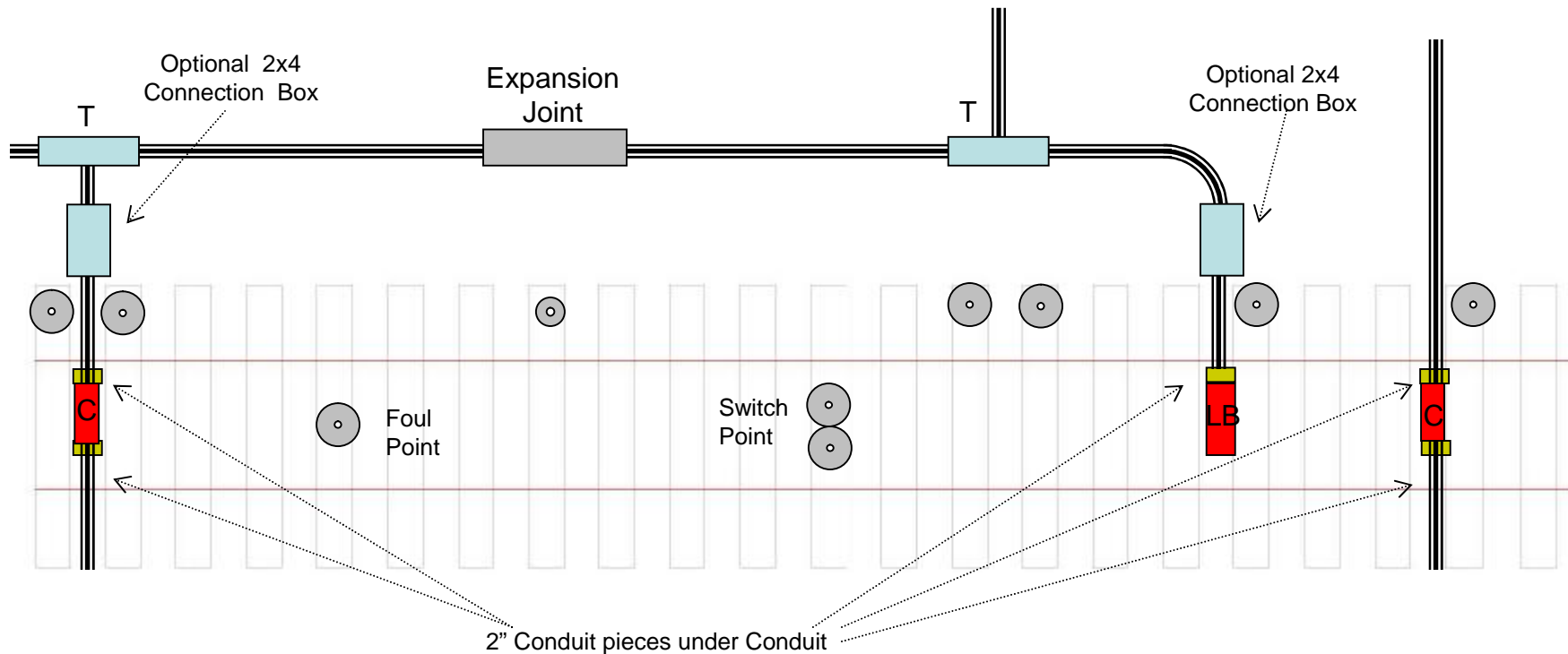
Conduit Boxes



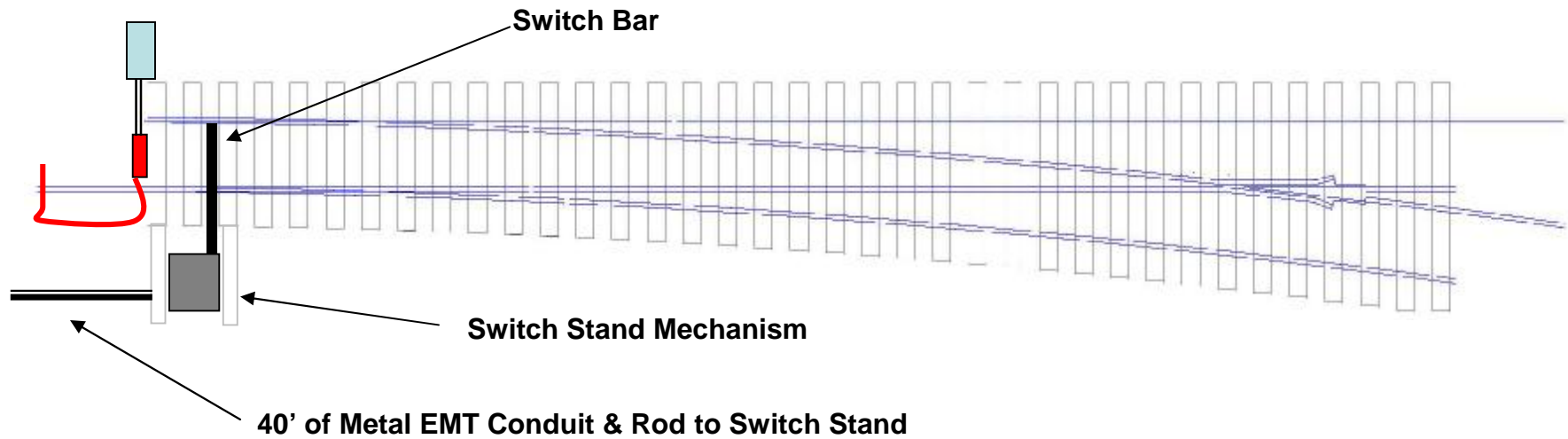
- One 2" Fender Washer at Foul Point
- Two 2" Fender Washers at Switch Point

Washers Locate Boxes

- Two 2" Fender Washers means a Type T box is nearby.
- One 2" Fender Washer means a Type C or Type LB box between the tracks.
- One 1" Washer means an Expansion Joint nearby

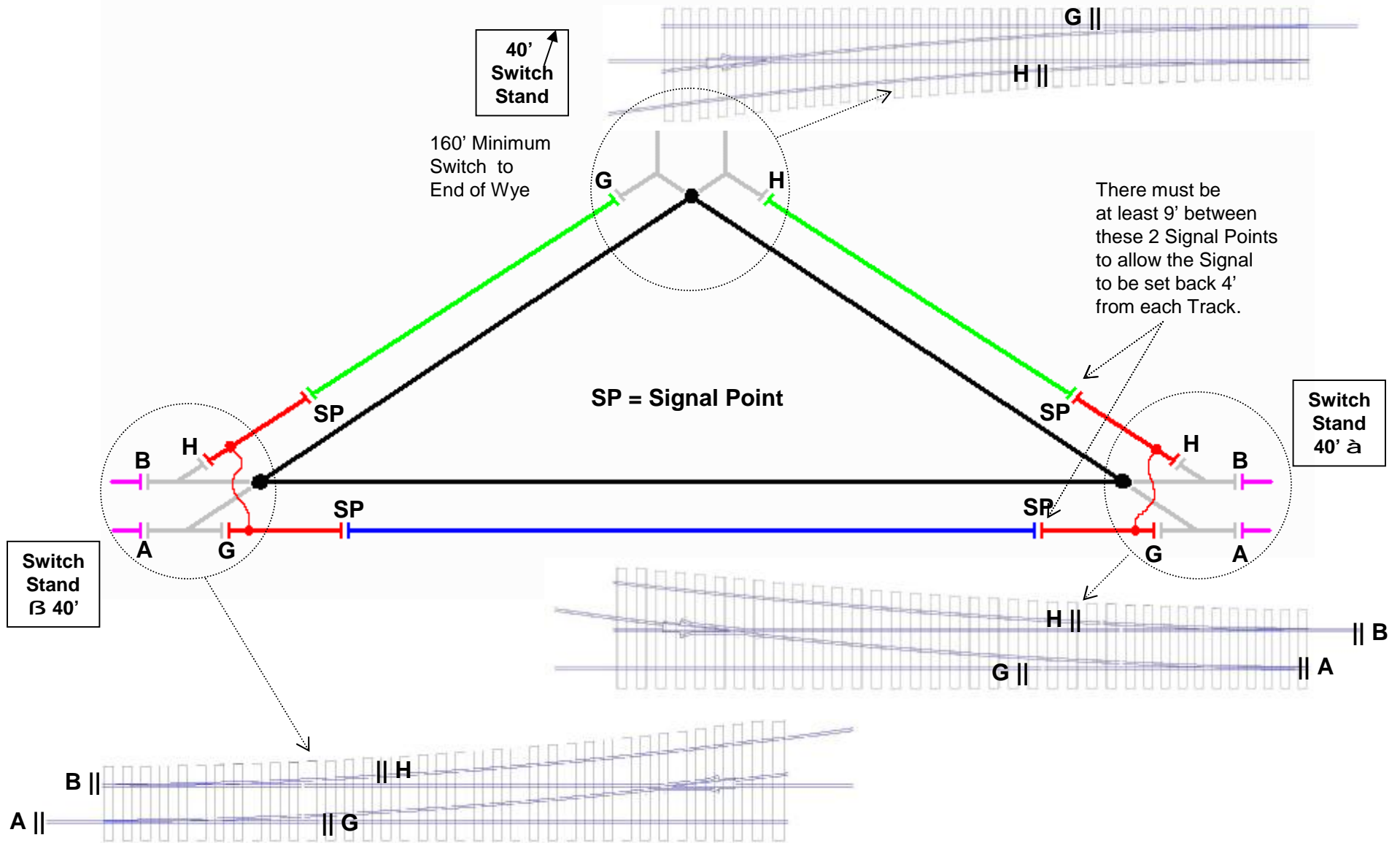


6. Wyes - Install 3 Switch Stands First

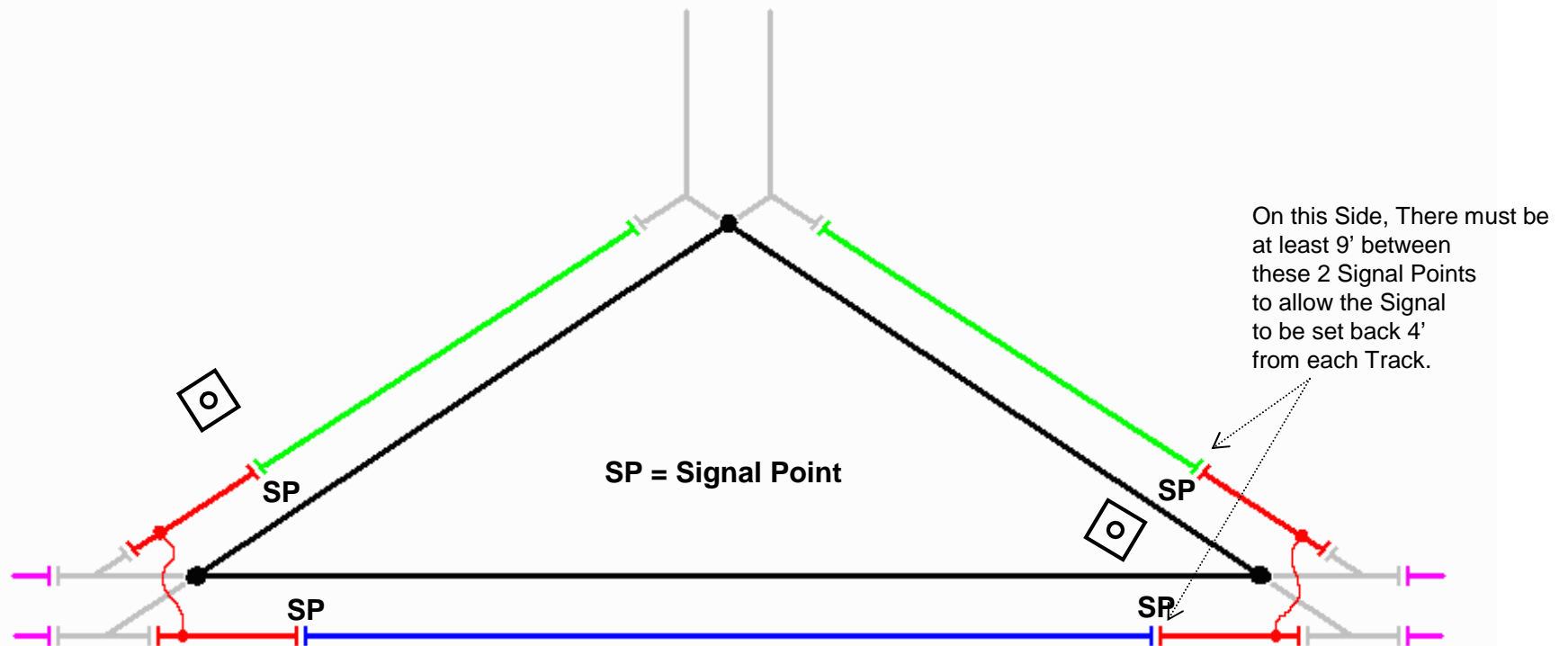


Switch Stand Conduit normally runs away from Signal Conduit

6. Wyes - Install 10 Track Insulators




6. Wyes - Install 2 Signal Foundations

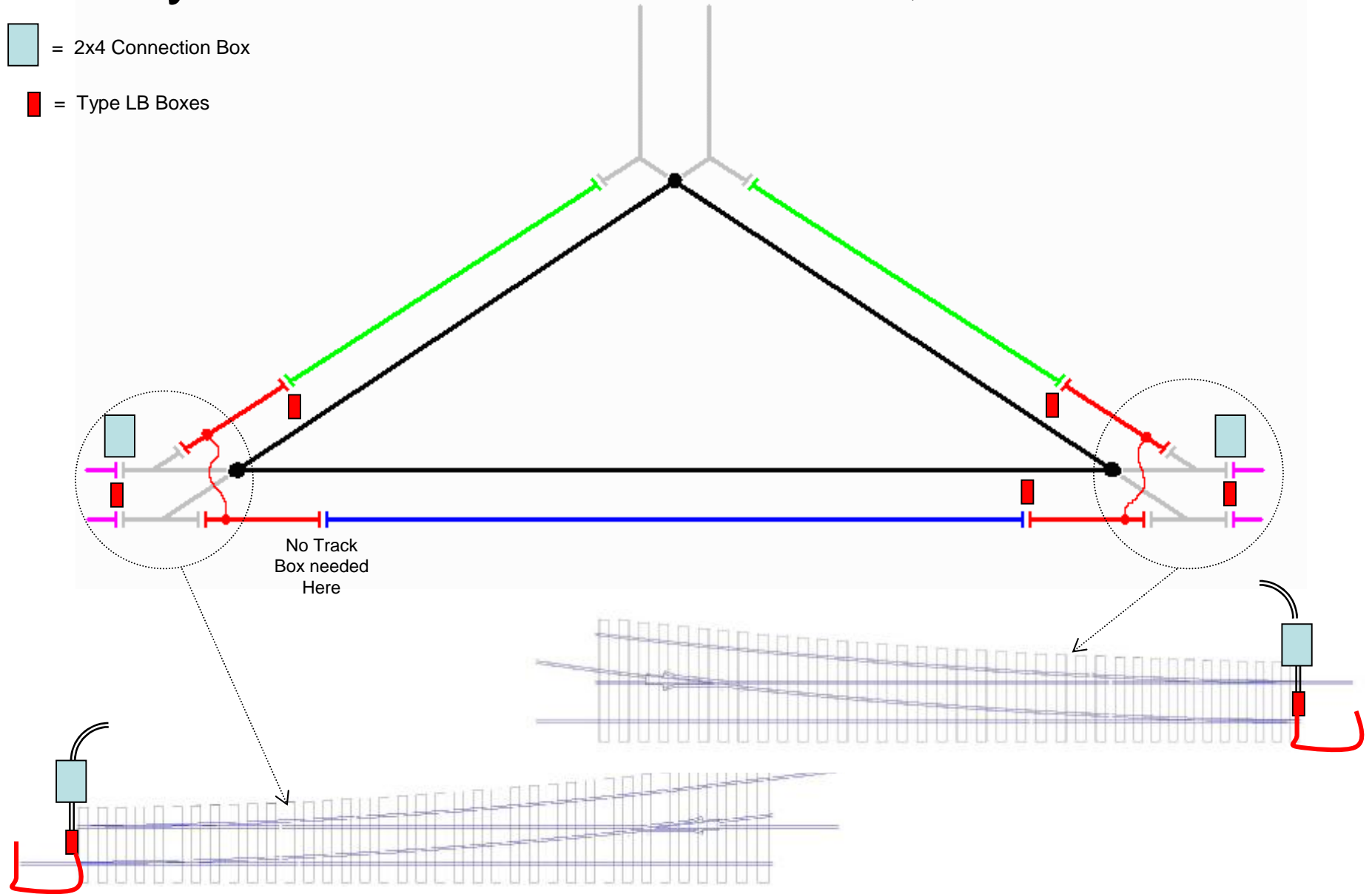


- Signal Foundation 4' from Center Line of Track
- Conduit on top of Plastic

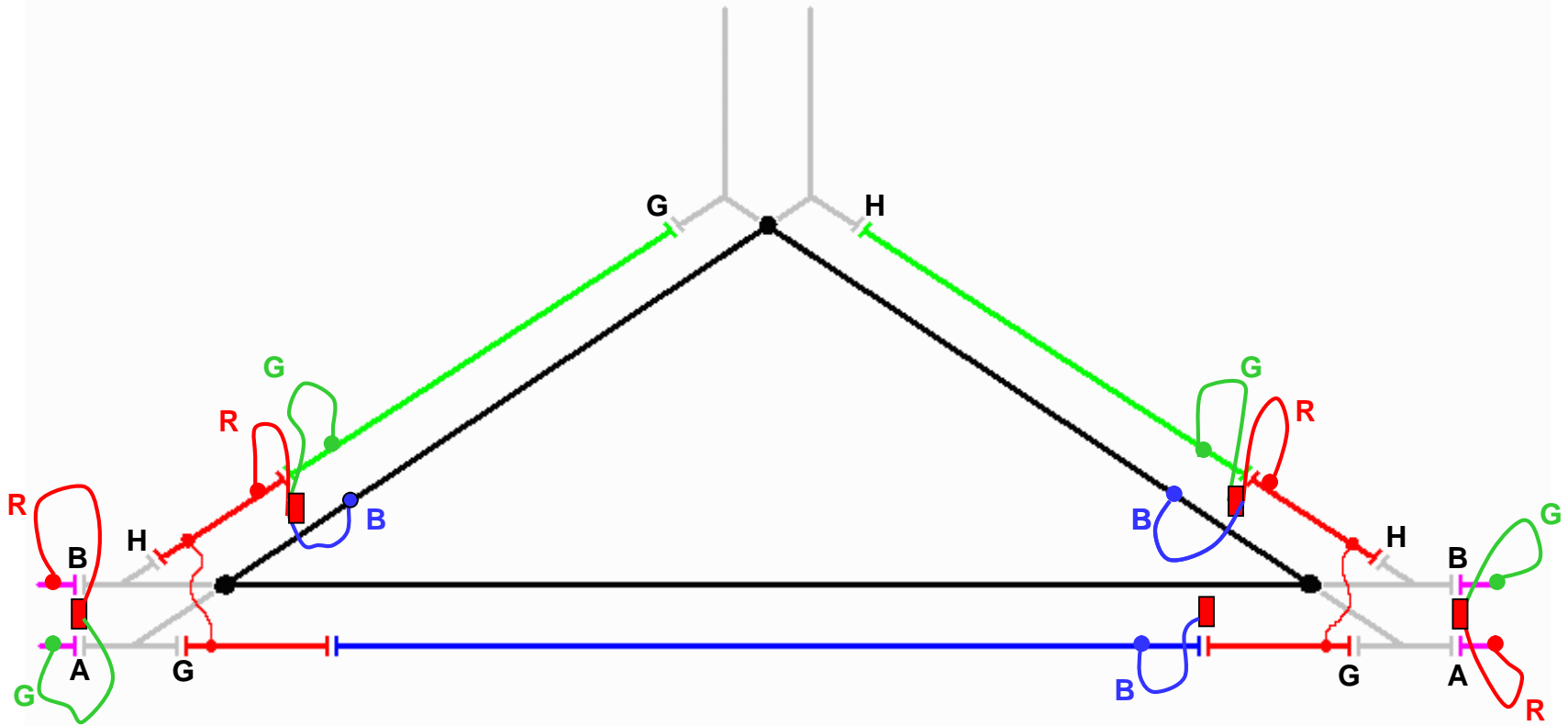
6. Wyes - Install 5 Track Boxes, 2 Flex Conduit

 = 2x4 Connection Box

 = Type LB Boxes

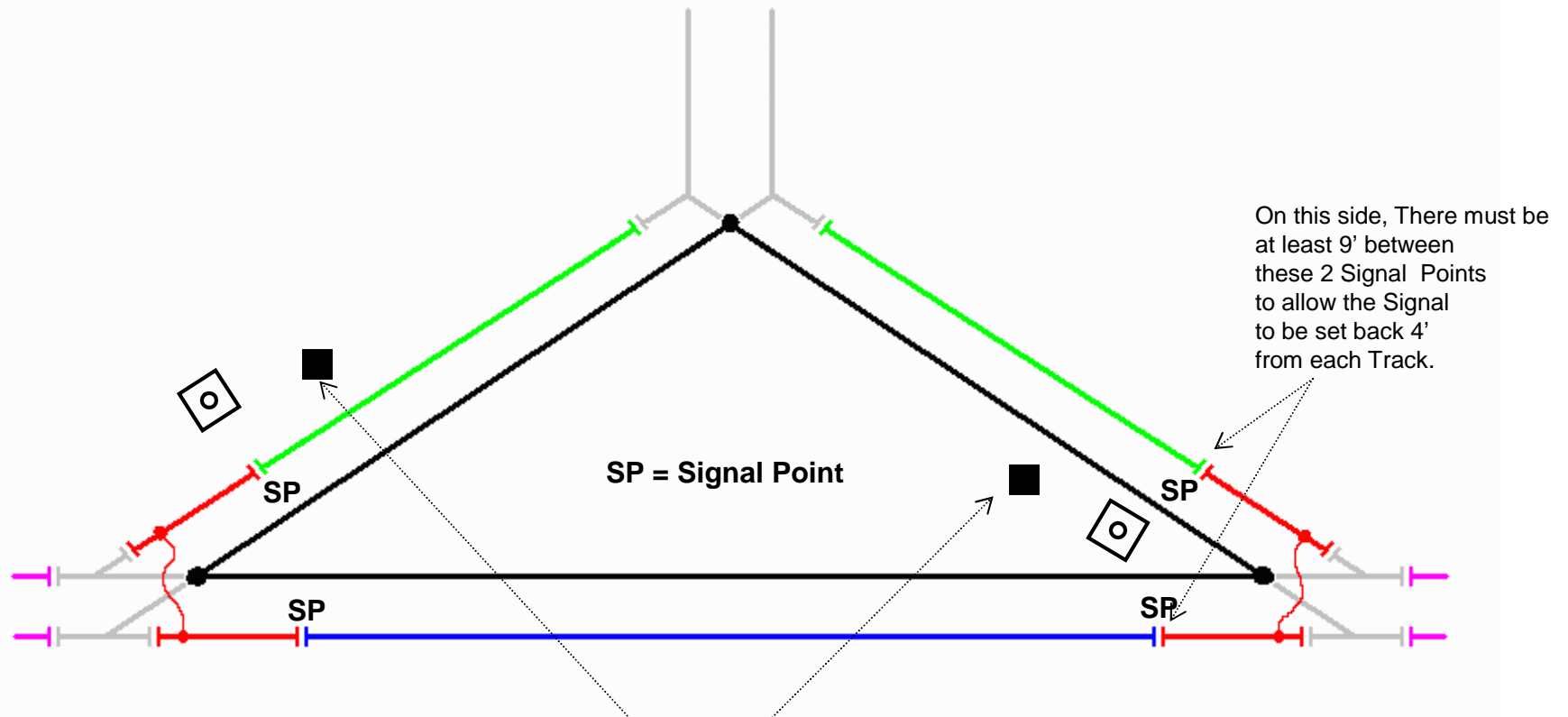


6. Wyes - Where the Wires Go



For Your Information -- No Action required

6. Wyes - Install 2 Push Buttons

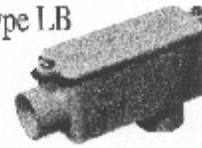


• Push Buttons

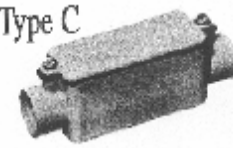
- 40' from Signal Foundation
- Post 27" from track center line
- All parts 24"+ from track center line
- 5' Post, Set in Concrete, 3' above ground
- Bottom out of round so it won't rotate

6. Wyes - Install

Type LB



Type C

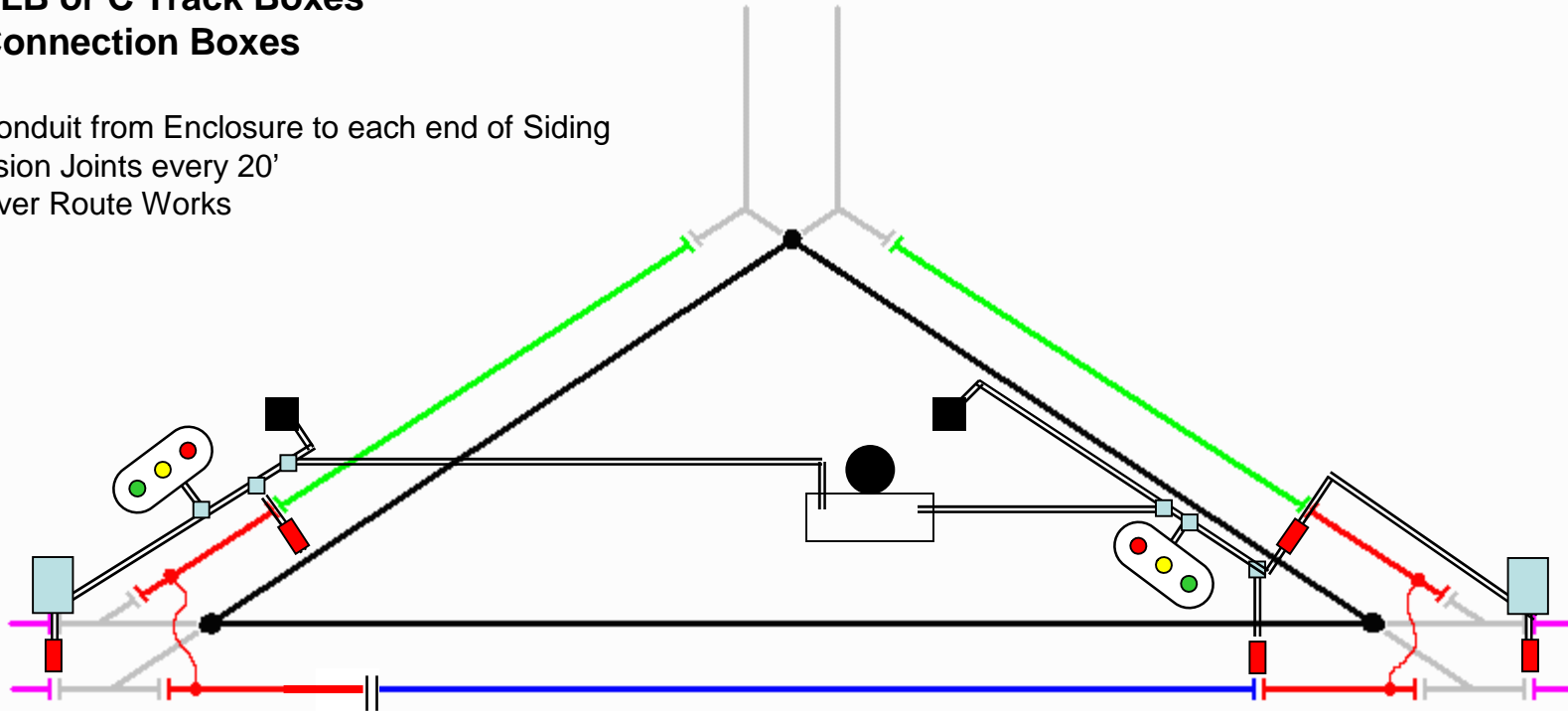



Type T




Type LB or C Track Boxes 2x4 Connection Boxes

One Conduit from Enclosure to each end of Siding
Expansion Joints every 20'
Whatever Route Works



 = 2x4 Connection Box

 = Type T Box

 = Type C or LB Box to let wires out between the Rails

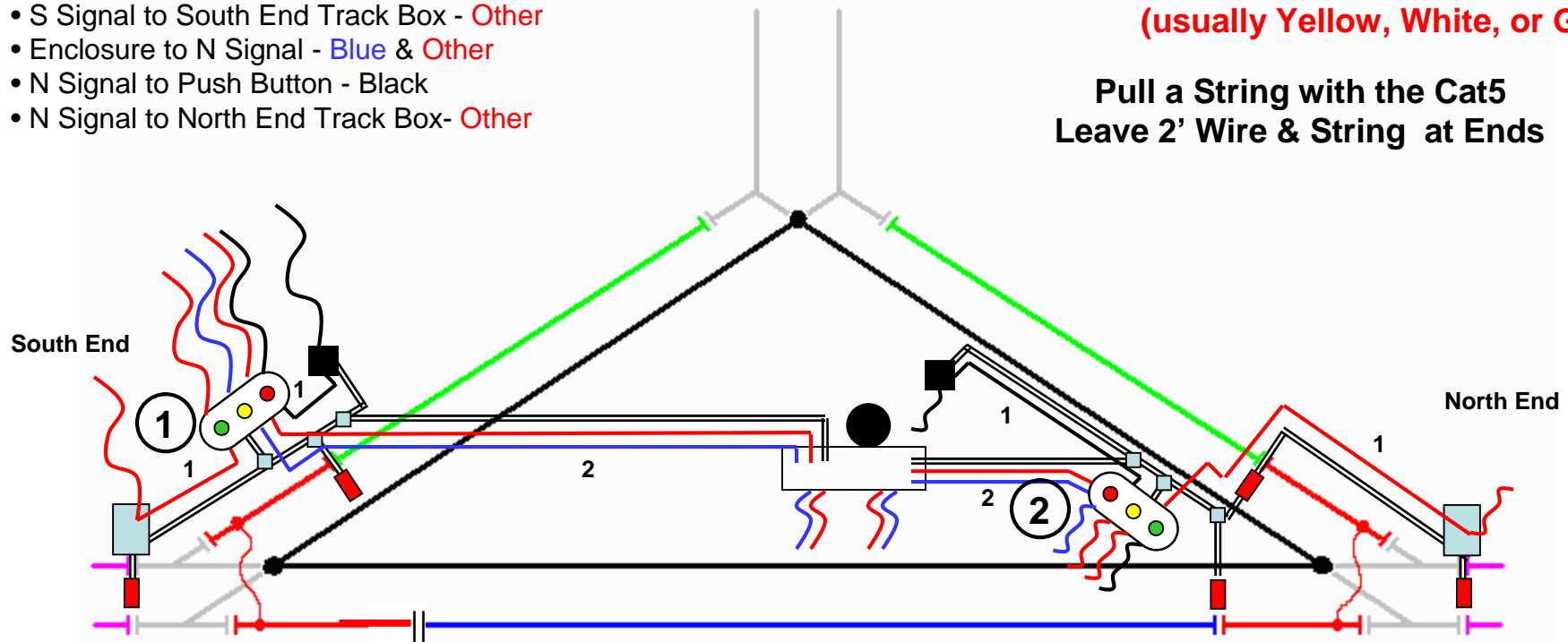
6. Wyes - Pull Wire

Cat 5 Pulls

- Enclosure to S Signal - Blue & Other
- S Signal to Push Button - Black
- S Signal to South End Track Box - Other
- Enclosure to N Signal - Blue & Other
- N Signal to Push Button - Black
- N Signal to North End Track Box - Other

- Blue Cat5 Wire
- Black Cat5 Wire
- Other color Cat5 (usually Yellow, White, or Grey)

Pull a String with the Cat5
Leave 2' Wire & String at Ends



- = Push Button
- = 2x4 Connection Box
- = Type T Box
- = Type C or LB Box to let wires out between the Rails

Note : The Track Team pulls all the wire that goes through an Expansion Joint. The Signal Team pulls the rest of the wire which includes all the 18 AWG wire. If there is a Remote Solar Panel, the Track Team pulls Red and Black 18AWG From the Solar Panel to the CP Board Enclosure.

6. Wyes - Pre Ballast Checklist

Where _____

By _____

Date _____

Wye

- ___ 160' plus tail to Wye
- ___ Three 100' radius Switches

Switch Stands

- ___ Switch Stands on all 3 Switches
- ___ Switch Stands 40' from Switch Boxes
- ___ Metal EMT Conduit & Rod in
- ___ "Back In Only" on Yellow Switch Stand Disk

Insulators

- ___ 10 Track Insulators per diagram

Track Boxes

- ___ 5 Track Boxes
- ___ All Type C or Type LB
- ___ All on 2" pieces of conduit

Connection Boxes

- ___ 2 Connection Boxes (2"x4")

Fender Washers (FWs)

- ___ Expansion Joints - 1" FW on Top of Tie at End
- ___ Track Boxes - 2" FW on Top of Tie at End
- ___ T Boxes - Two 2" FWs on top of Ties at End
- ___ Foul Points - 2" FW on Top of Tie at Center
- ___ Signal Points - Two 2" FWs on Top of Tie at Center

Signal Foundations

- ___ 4 Foundation Blocks
- ___ All at Signal Points
- ___ All 4' from Center Line(s) of Track(s)
- ___ 18" threaded Mast in each Foundation Block

Push Buttons

- ___ 2 Push Button Posts
- ___ 40' from Signal
- ___ No part <24" from Center Line Track

Flex Conduit

- ___ Flex Conduits per diagram

Conduit

- ___ Enclosure to N End
- ___ Enclosure to S End
- ___ Enclosure to Remote Solar Panel (If Any)
- ___ Connects to 5 Track Boxes
- ___ Connects Signals to Push Buttons
- ___ Type C or LB Track Boxes between rails
- ___ Type C or LB Track Boxes on 2" pieces of conduit
- ___ Conduit on top of Plastic
- ___ Expansion Joints every 20'
- ___ 8"-10" from Tie Ends

Wire Pull

- ___ Enclosure to S Signal - Blue & Other
- ___ S Signal to Push Button - Black
- ___ S Signal to South End Track Box - Other
- ___ Enclosure to N Signal - Blue & Other
- ___ N Signal to Push Button - Black
- ___ N Signal to North End Track Box - Other
- ___ String in every Conduit
- ___ 2' wire & string at each end

Wire Pull - If Remote Solar Panel

- ___ White & Black 18AWG wire
- ___ String
- ___ 2' wire & string at each end

Plywood

- ___ Plywood over Type C box

As Builts

- ___ Map of Conduit
- ___ All Changes Noted
- ___ Delivered to Ross