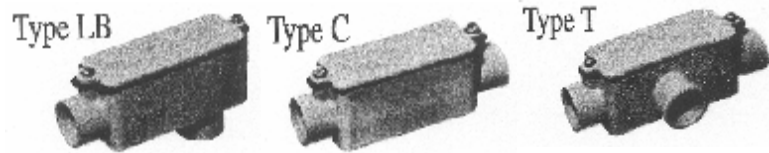


Queuing Tracks Field Kit

Basics - Conduit Fittings & Tie Marking

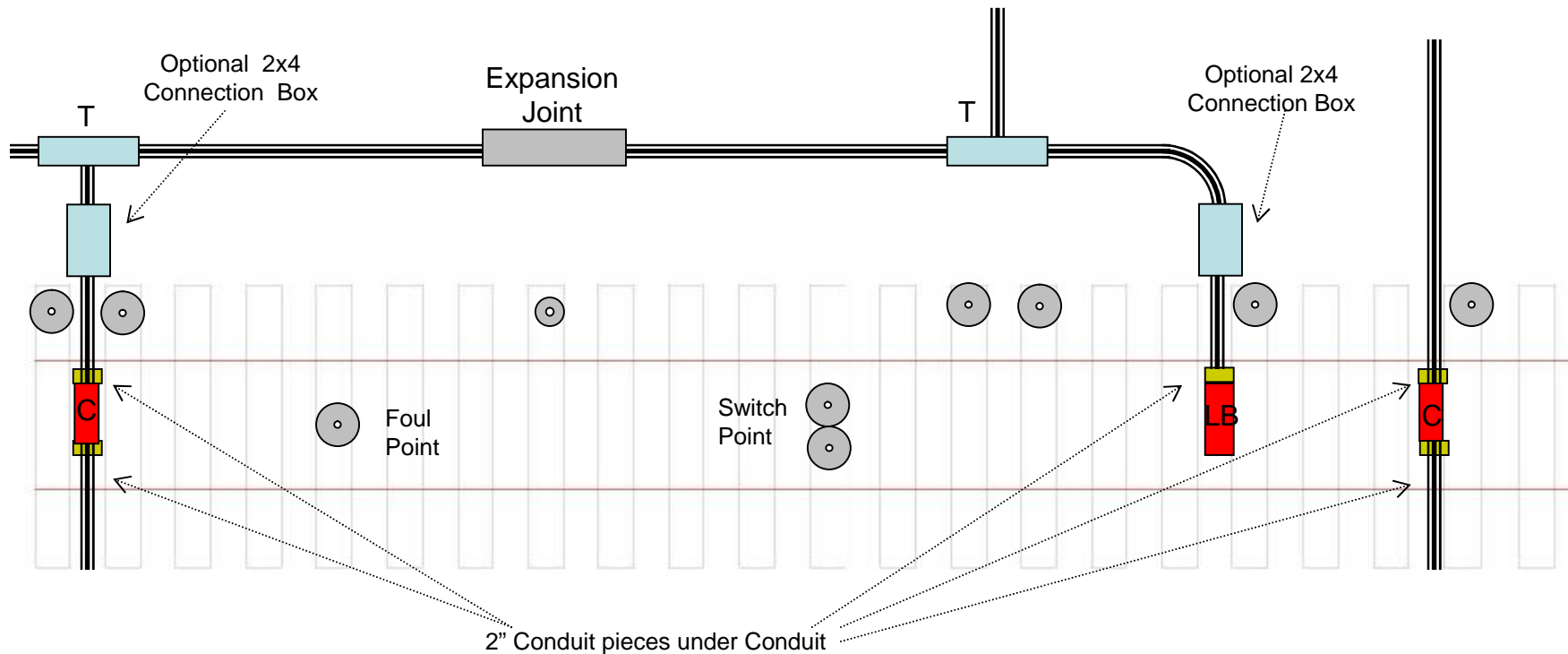
Conduit Boxes



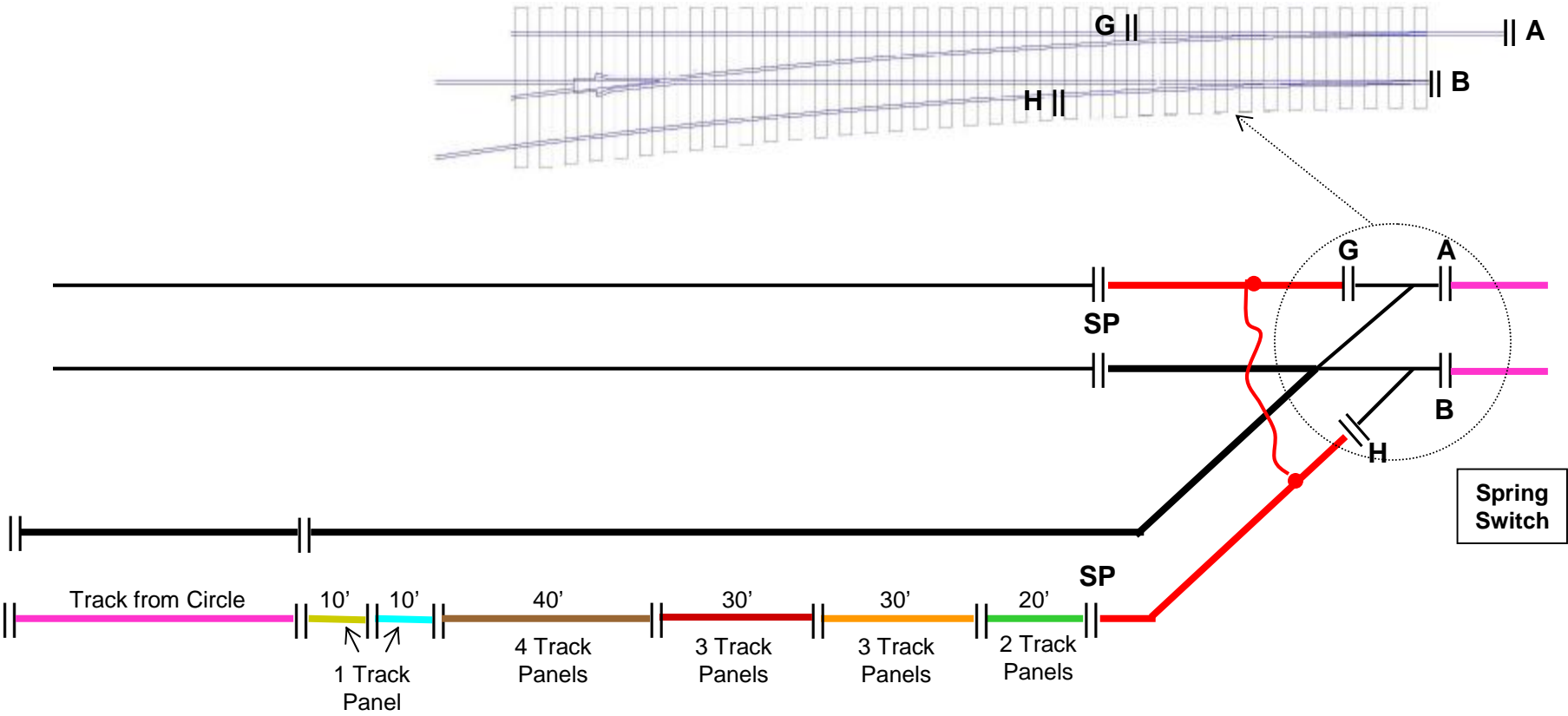
- One 2" Fender Washer at Foul Point
- Two 2" Fender Washers at Switch Point

Washers Locate Boxes

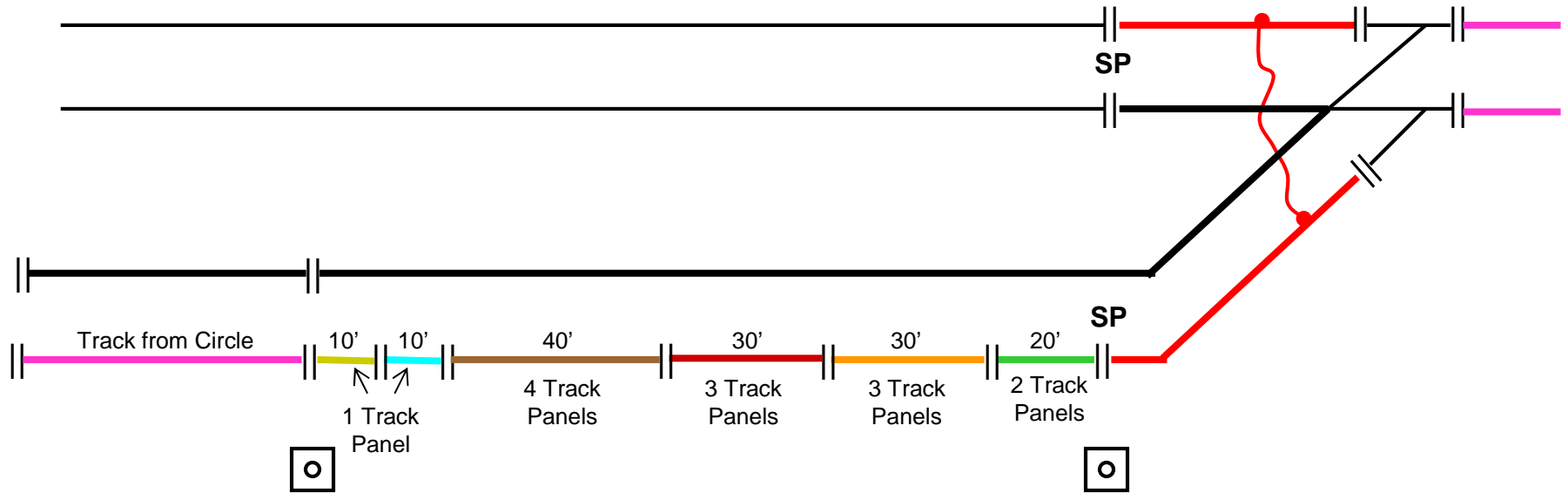
- Two 2" Fender Washers means a Type T box is nearby.
- One 2" Fender Washer means a Type C or Type LB box between the tracks.
- One 1" Washer means an Expansion Joint nearby



9. Queuing Track - Install Track Insulators





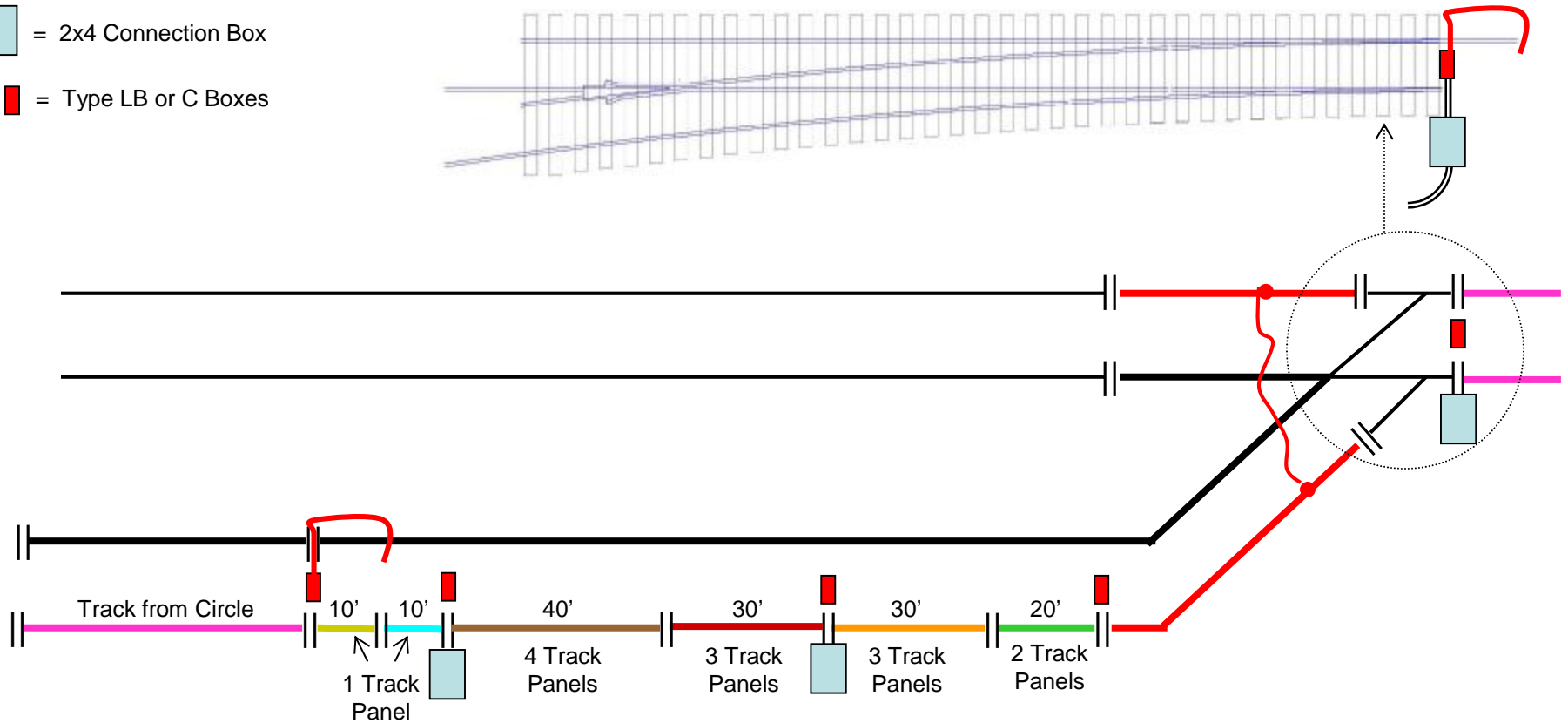
9. Queuing Track - Install 2 Signal Foundations



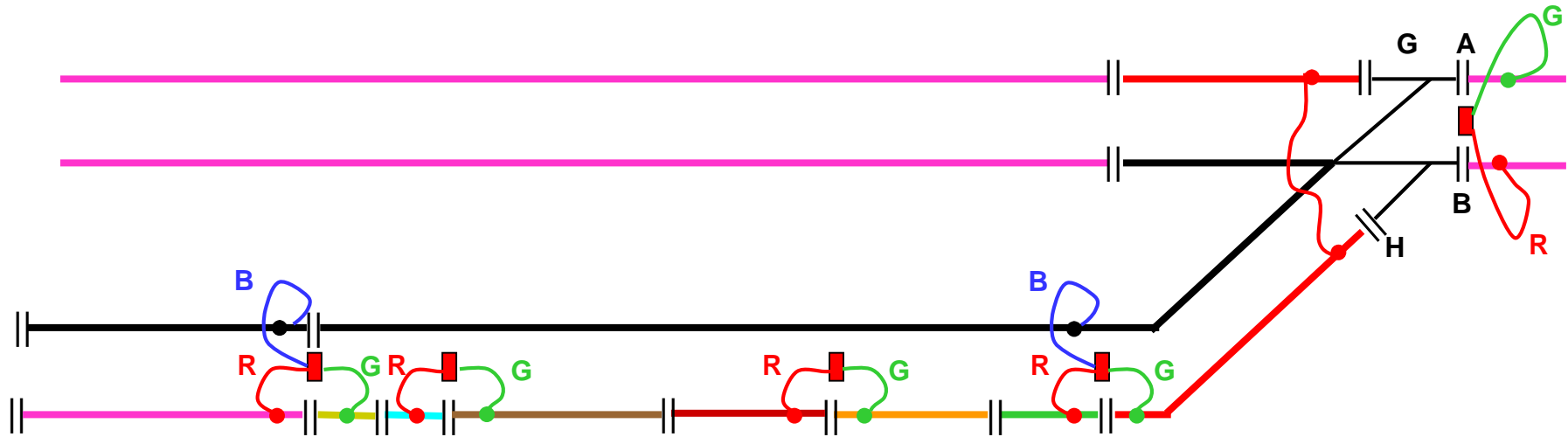
- Signal Foundation 4' from Center Line of Track
- Conduit on top of Plastic

9. Queuing Track - Install Track Boxes and Flex Conduits

-  = 2x4 Connection Box
-  = Type LB or C Boxes



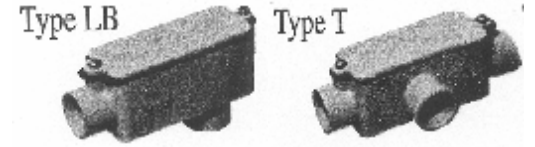
9. Queuing Track - Where the Wires Go



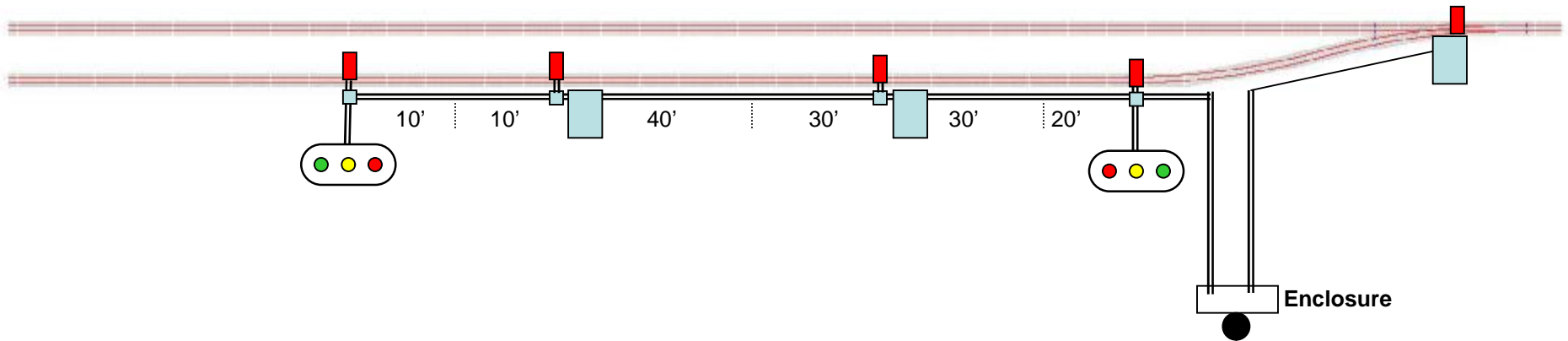
For Your Information -- No Action required


9. Queuing Track - Install Conduit

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

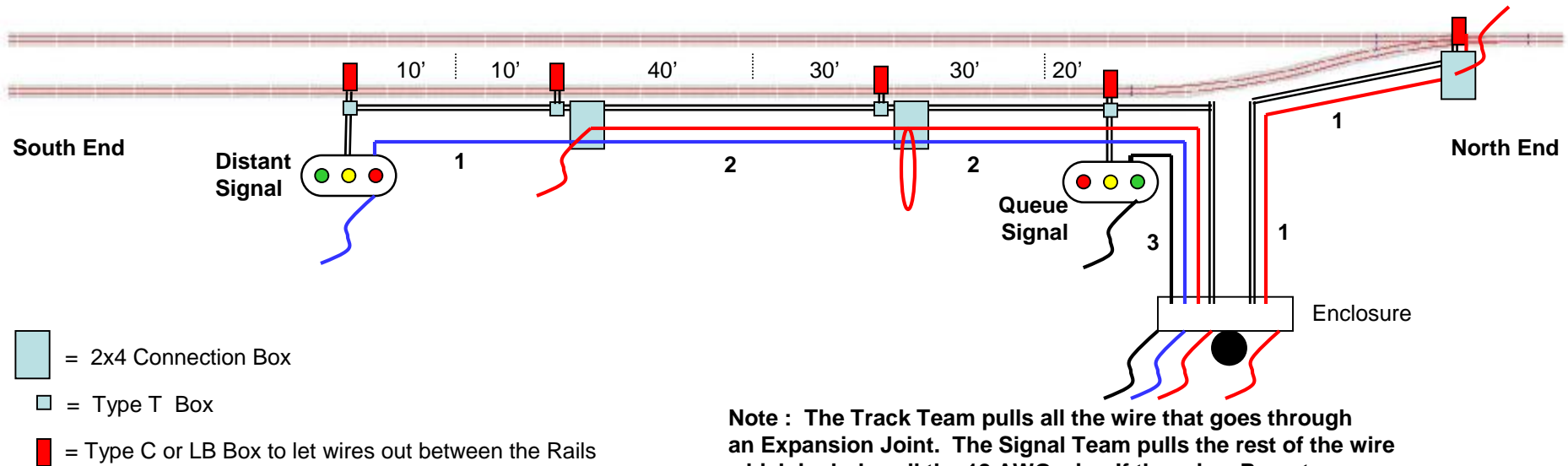
9. Queuing Track - Pull Wire

Cat5 Pulls

- Enclosure to Queue Signal - Black
- Enclosure to N Track Box - Other
- Enclosure to Dist Signal - Blue & Other
- 6" Loops of wire in 2 Track Connection Boxes

- 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



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.

9. Queuing Tracks - Pre Ballast Checklist

Queuing Track

- 140' plus to Signal Point
- Two 100' radius Switches

Spring Switches

- 1 Spring Switch

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

- 3 or more 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

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

Where _____

By _____

Date _____

Flex Conduit

- Flex Conduits per diagram

Conduit

- Enclosure to Dist Signal
- Enclosure to Queue Signal
- Enclosure to Remote Solar Panel (If Any)
- Connects to 5 Track Boxes
- 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 Queuing Signal - Black
- Enclosure to N Track Box - Other
- Enclosure to Dist Signal - Blue & 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