

NWV EXPANSION PROJECT



STATUS REPORT

February 1, 2023

Expansion Committee

- John McLeod
 - Tim Wilmot
 - Alan Belcher
 - Paul Allard
-
- With Input From Lots of Members
- Thank You**

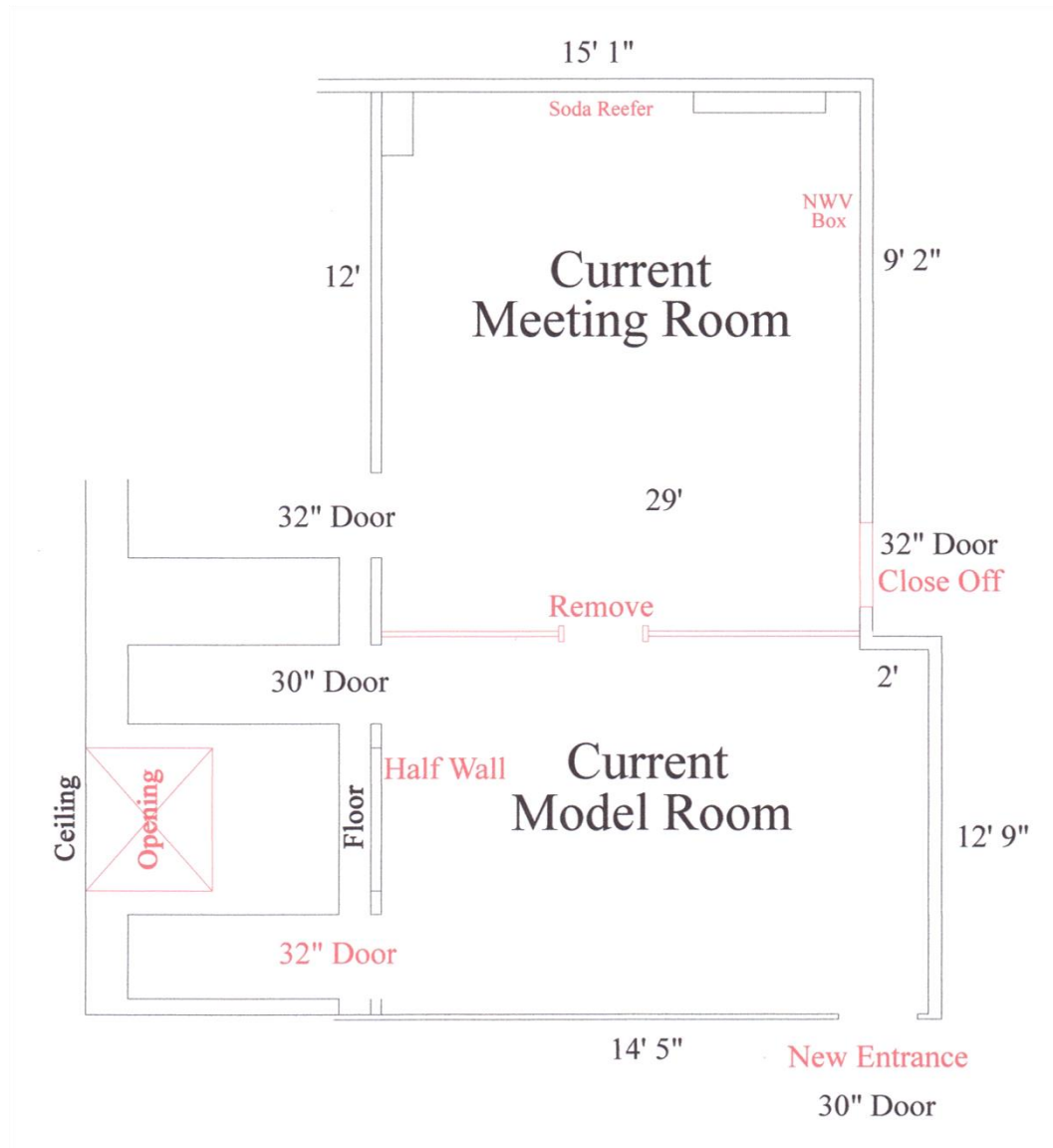
Expansion Implementation Plan

- Room / Wall Modifications
 - To Be Completed by NWV Members
 - Approved by Pine Wood Management
- Electrical Updates
 - 110 Volt Outlets / Fire Alarm System
 - To Be Completed by Licensed Electrician
 - To Be Scheduled / Paid For by NWV

Expansion

- **Combine Meeting / Model Rooms**
 - Remove Wall Between Rooms
 - Close Current Entrance Door
 - New Entrance => Existing Door Around Corner
- **New Access Between Old & New**
 - Install New Door Into Old Layout Room
 - Lower Wall Height Between Doors to 4 Feet
 - Relocate Soda Reefer & NWV Green Box
- **Install New Dispatcher's Center**
 - Upper Level – Over Looking Dana's Gulch
 - Install Desk, Forms & Radio Equipment
 - Open Layout Viewing Window in Wall

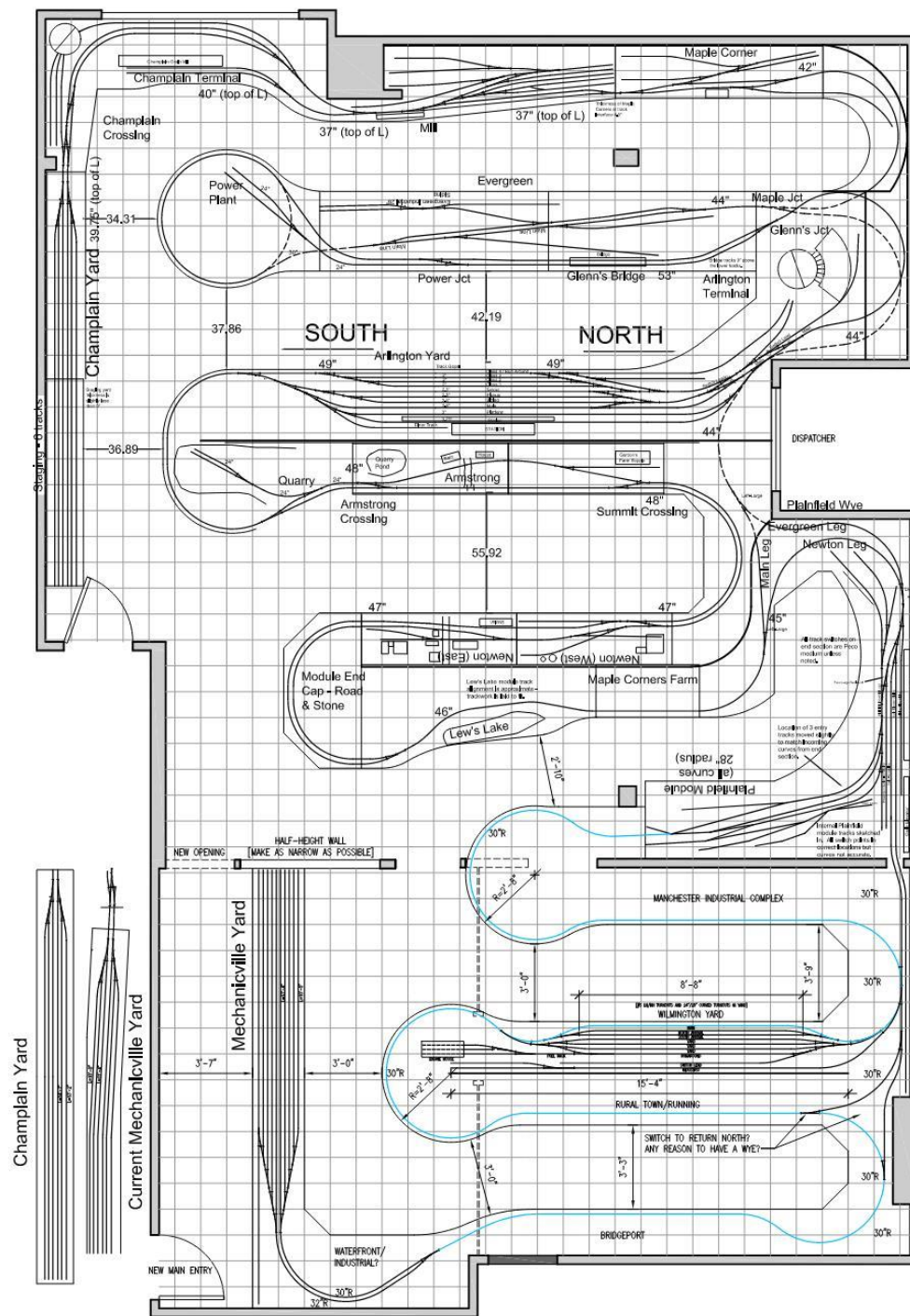
Expansion Area

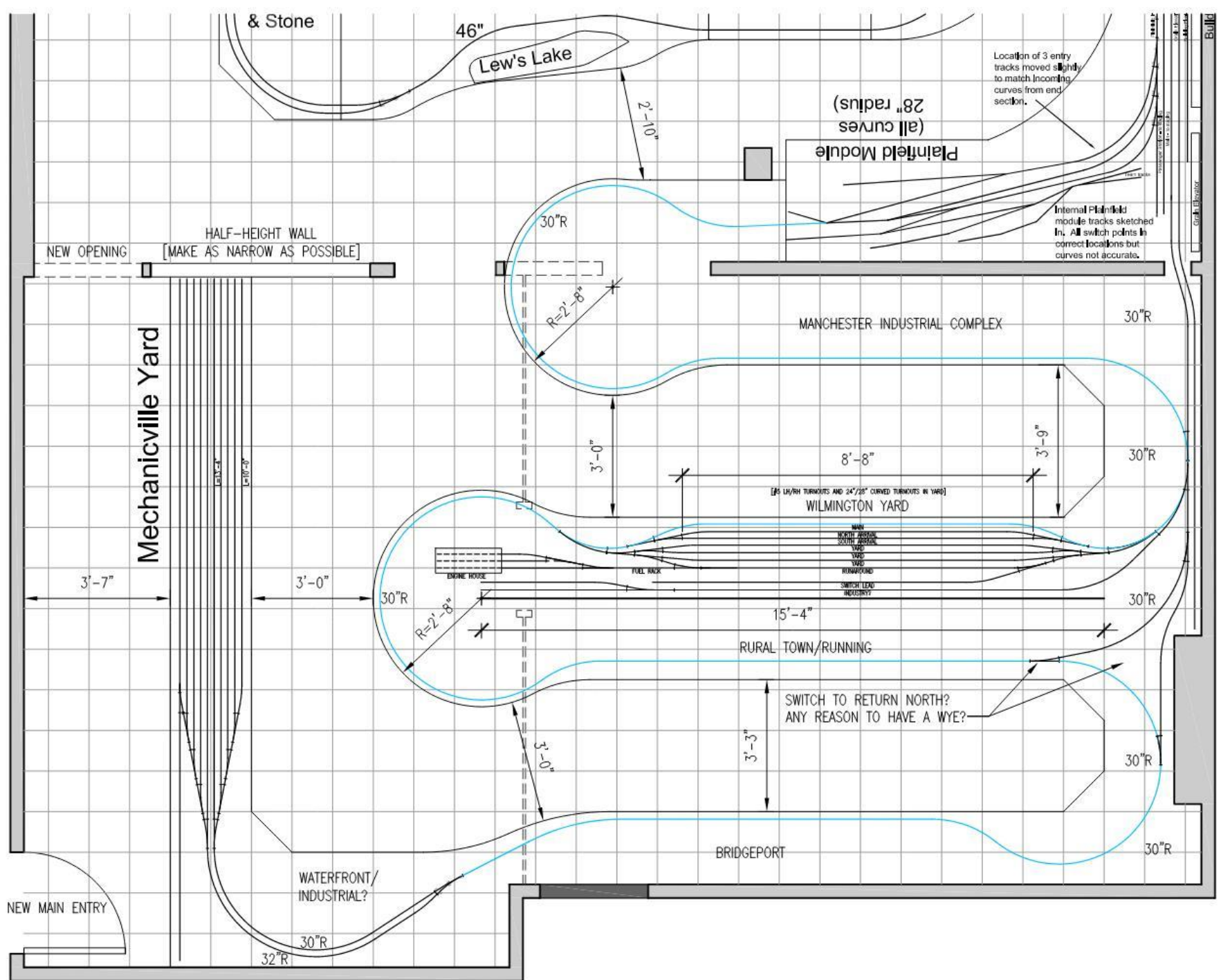


Layout Configuration

- Re-establish Main Line Thru Plainfield
- Add Town On Wall Behind Plainfield
- Build 2 Sided Peninsular – Middle of Room
 - New Yard on Left Side
 - Country Running on Right:
 - Bridge Across a River, Hills & Dales, etc.
- Continue Main Line Along Outside Wall
 - Industry / Water Front / Town
- Expand & Relocate Mechanicville Staging

Show Detailed Drawing





Champlain

6 Tracks

Mill

Maple Corners

Evergreen

Power Jct.

Newton

Plainfield

Manchester

Bridgeport

Mechanicville

Expanded Tracks: 6 -> 10

Arlington

NVW
Stations

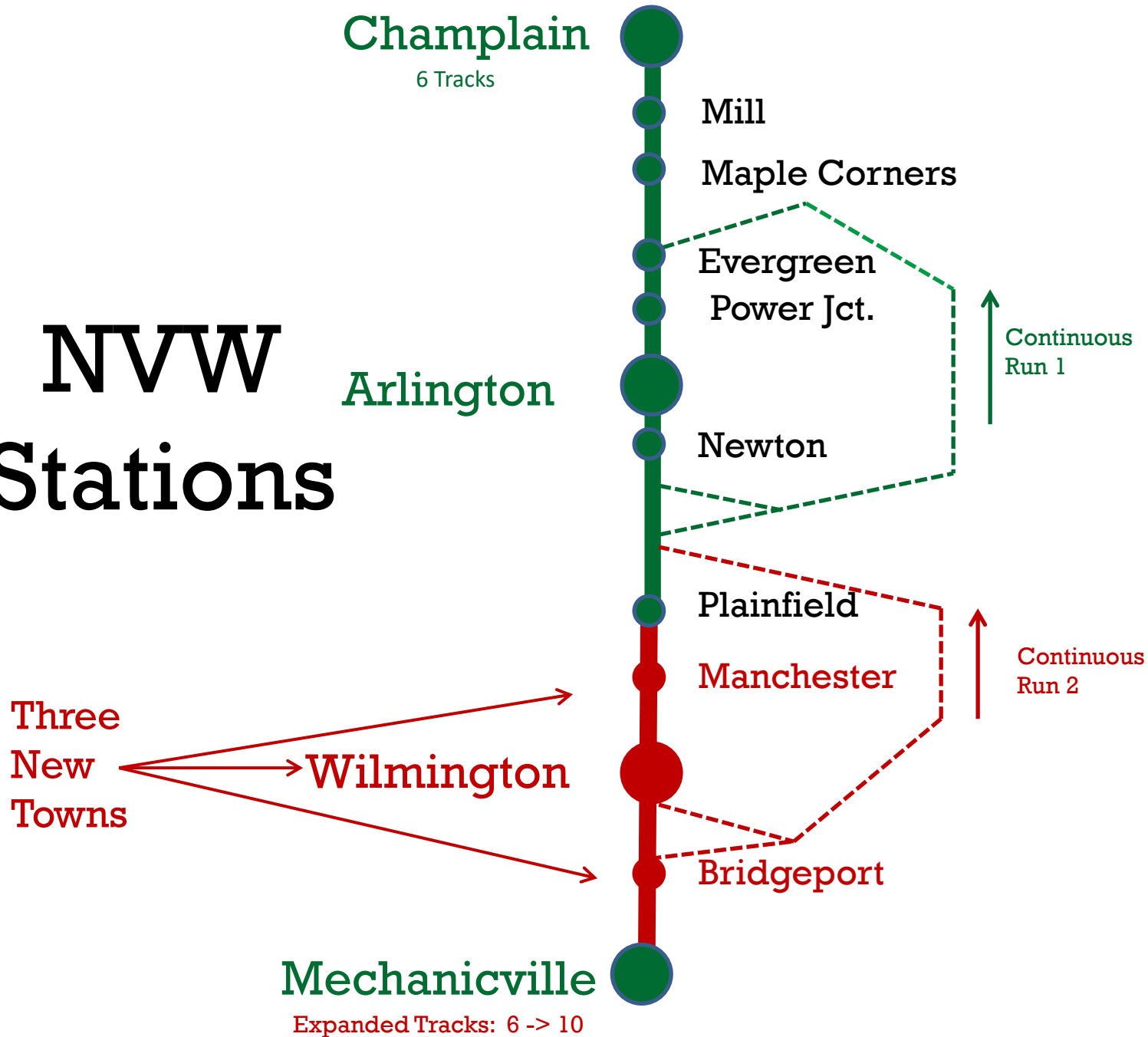
Three
New
Towns

Wilmington



Continuous
Run 1

Continuous
Run 2



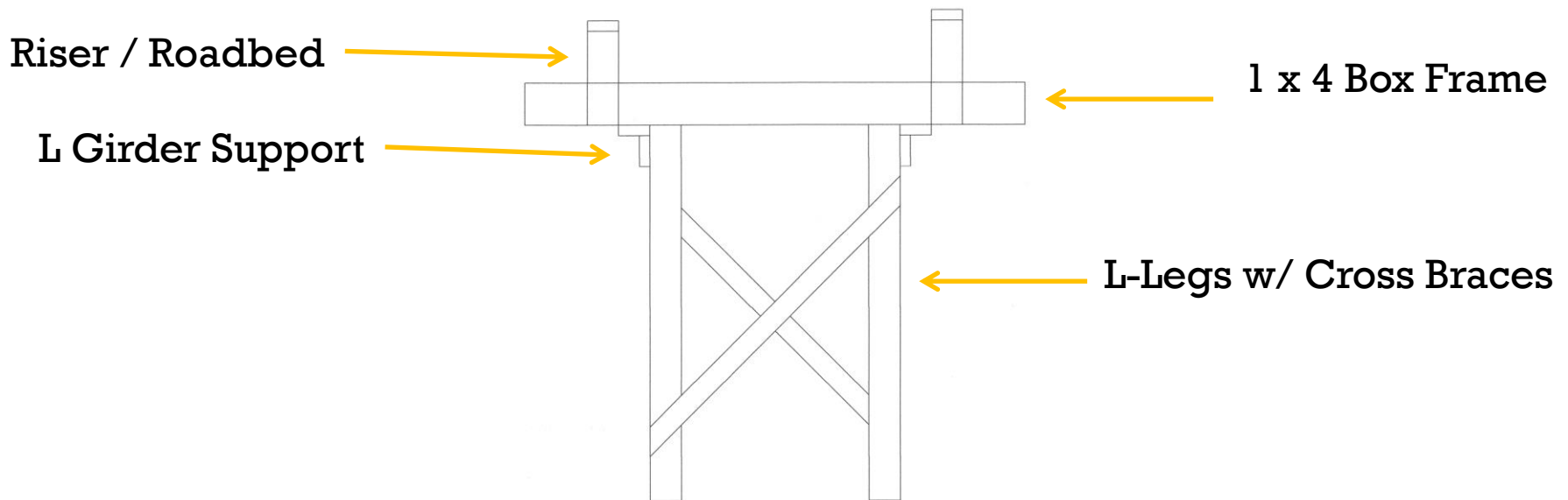
Additional Design Work

- Detailed Track Configuration
 - Manchester
 - Wilmington Yard
 - Bridgeport

Bench Work

Plan:

- Follow Same Approach as Main Layout
- Build Base: L-Legs w/ L Girders
- Build Box Frame In 8 ft Sections
 - Can Be Moved if Required



Construction: Phase I

Area Preparation

No Disruption to Operations

- Remove Interior Wall
 - Relocate Coat Rack to Upper Level
- Open New Door Way
 - Relocate Soda Reefer / NWV Green Box
- Reduce Wall Height to 4 Feet
 - Secure Electrician
 - Reroute Outlet Power
 - Relocate Fire Alarm Indicator
 - Repair Wall / Paint
- Set Up Dispatcher Booth
 - Cut Window Opening
 - Set Up Chair & Desk

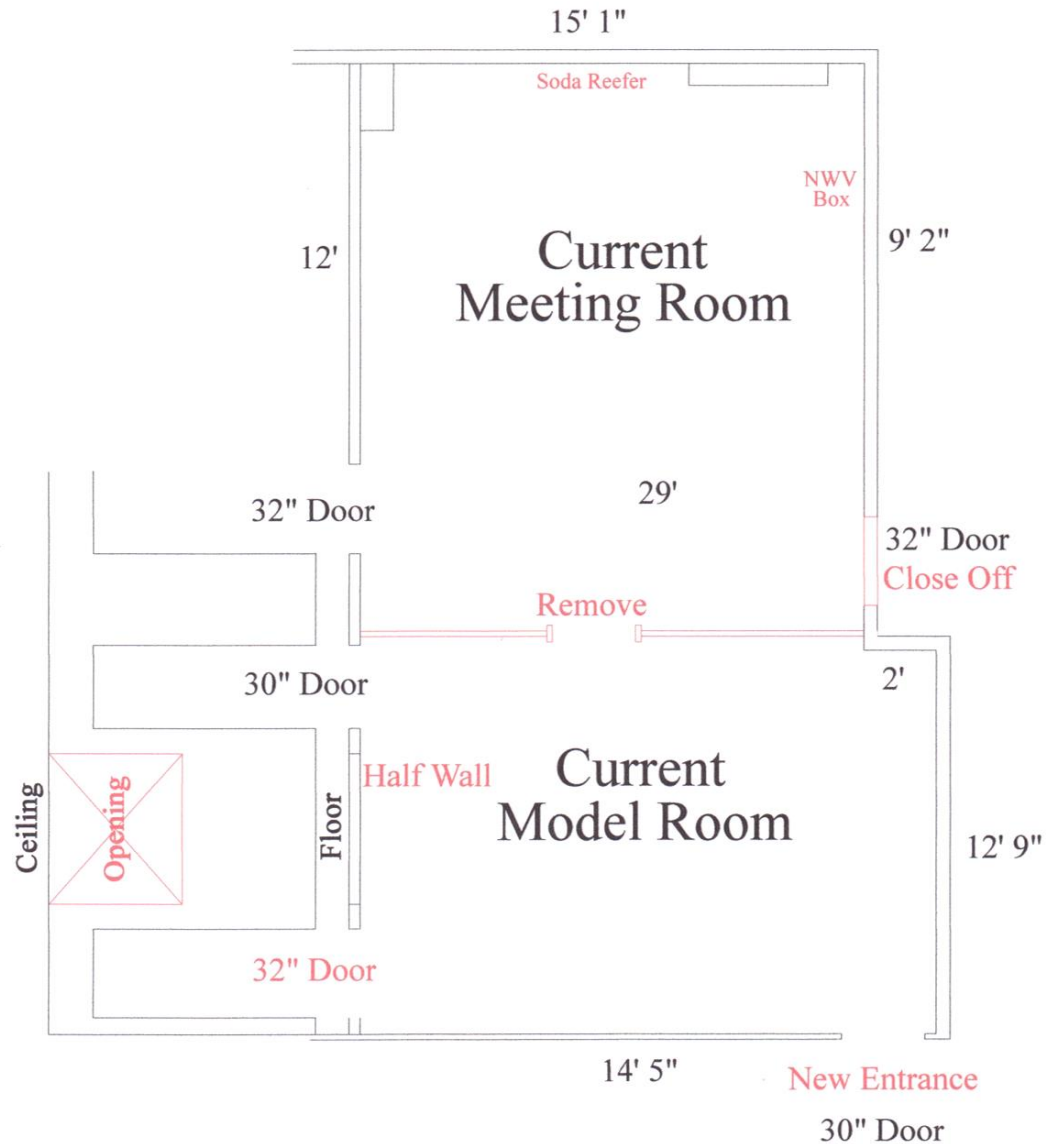
Follow Up Work Item

To Complete Phase I

- Schedule Electrical Changes
 - w/ Electrician Contractor

Expansion Area Phase I

After Phase I
Red Item
Preparation Work
Is Complete



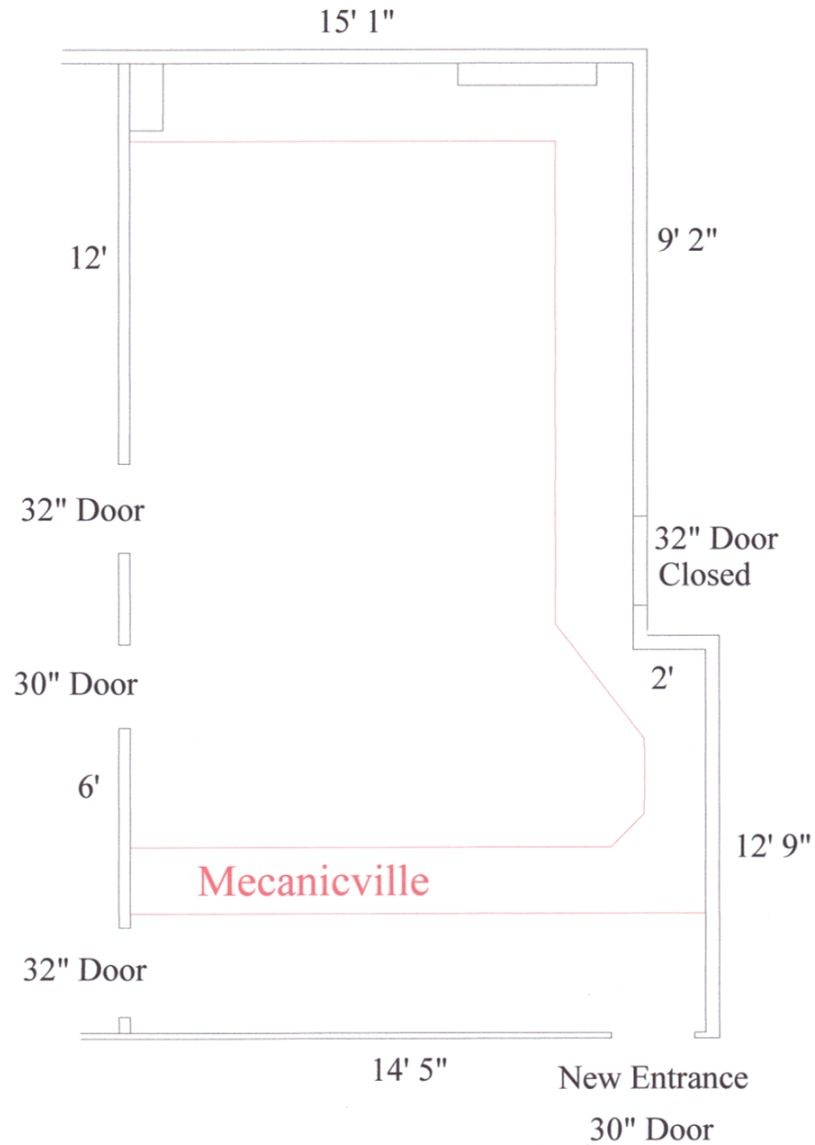
Construction: Phase II

Relocates Mechanicville
Limited Disruption to Operations

- **Build Bench Work**
 - Along Top & Right Side
- **Build New Mechanicville Yard**
 - 10 Tracks
- **Install Temporary Main Line**
 - Along Top & Right Side
 - Re-Connect Main Line
 - w/ New Mechanicville Yard
- **Remove Existing Mechanicville Yard**

Expansion Area Phase II

After Phase II
Red Area
Bench Work &
Main Line Track
Are Complete



Construction: Phase III

Add Manchester & Wilmington

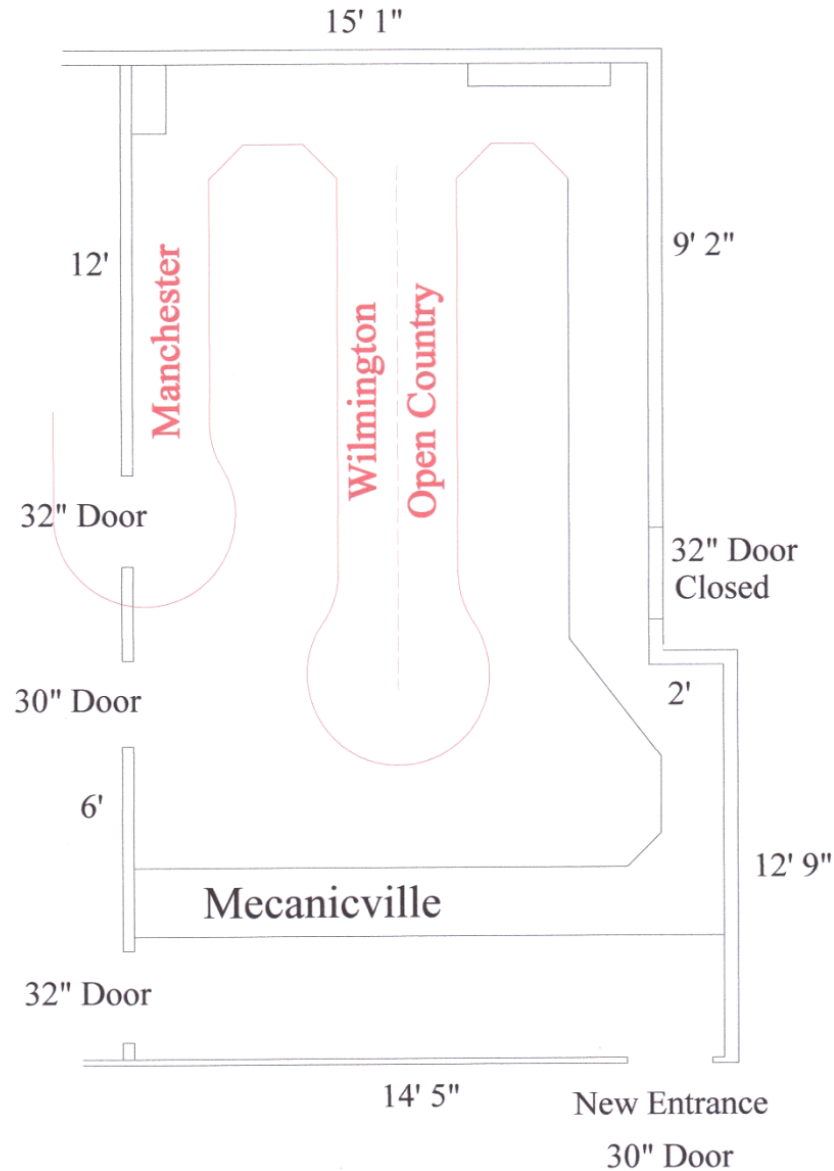
Major Disruption to Operations

Requires Additional Cars / Waybills / Train Orders / Locomotives

- Build Bench Work Behind Plainfield
 - Include 180 degree Curve
 - Build Manchester w/ Customer Cut Outs
 - Install Track, UTP's & Power
- Build New Peninsular Bench Work
 - Build Wilmington Yard w/ Building Cut Outs
 - Install Track, UTP's & Power
- Additional NWV Cars & Locomotives
- Connect Main Lines
 - Run Thru Plainfield
 - Remove Temp Line At Top
 - Connect New Peninsular To Right Side Main

Expansion Area Phase III

After Phase III
Red Area
Bench Work &
Track Work
Are Complete



Construction: Phase IV

Add Bridgeport

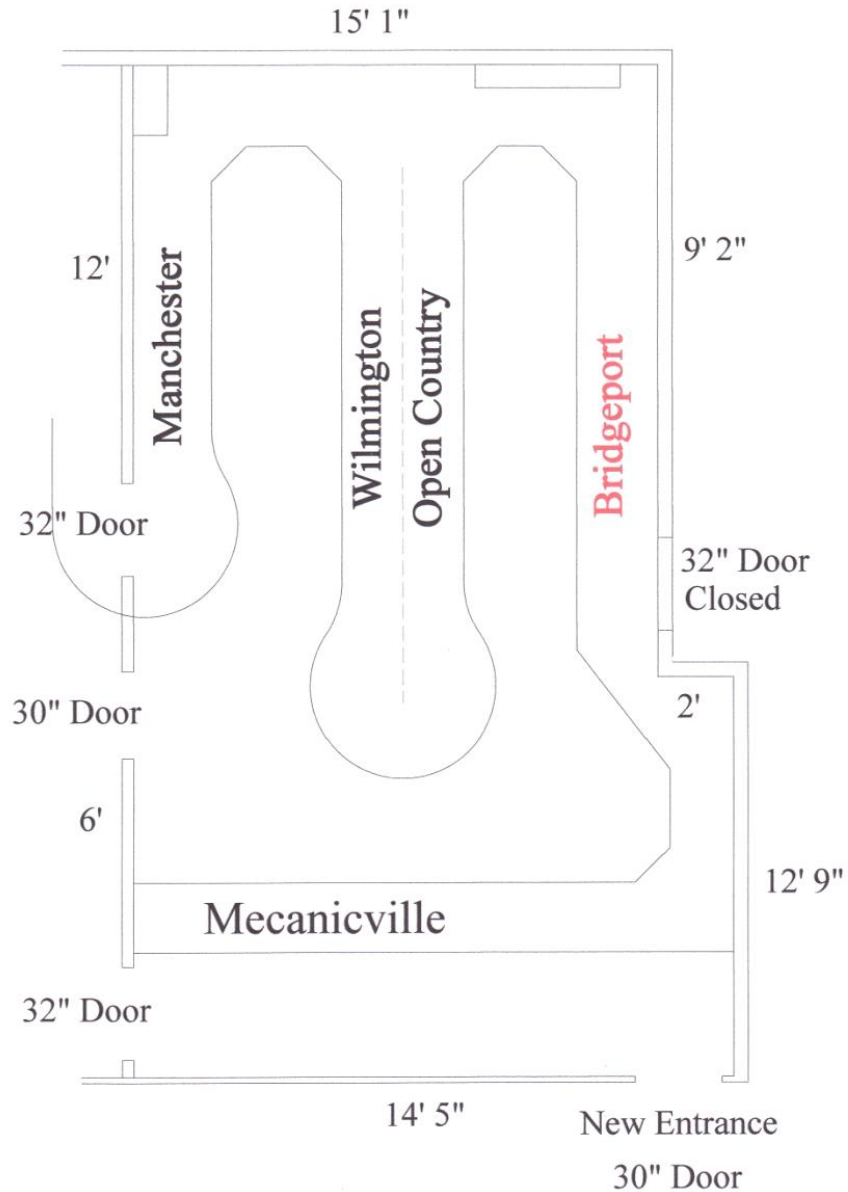
Limited Disruption to Operations

Requires Additional Cars / Waybills / Train Orders

- Build Bridgeport
 - Keep Main Line Available
 - Install Customer Cut Outs
 - Install Local Tracks
 - Install UTP's & Power

Expansion Area IV

After Phase IV
Red Area
Track Work
Is Complete



When To Start Scenery?

- Suggested Approach:
 - 1st Bench Work
 - 2nd Track Work
 - 3rd Electrical
 - 4th Support Operations: Structure Place Holders
 - 5th Add Scenery Post Phase III
 - Plainfield => Manchester
 - Manchester => Wilmington
 - Wilmington => Open Country
 - 6th Add Scenery Post Phase IV
 - Open Country => Bridgeport => Mechanicville

Expansion => Operation

- Layout No Longer Balanced @ Arlington
- Introduced Second Yard
 - Wilmington
- More On Line Towns
 - New Customers / Industries
- Additional Mechanicville Staging Tracks
 - Potential for New Trains

Operation Update – Proposal

- Return to More Prototypical Methods
- Utilize Local Trains to Service Towns
 - No Switching Districts
 - No Fixed Count Pick Ups / Drop Offs
 - Local Train Length Set at 8 Cars - MAX
- Four Cycle Waybills
 - Waybills Stay with Car Cards
 - On Line Towns
 - Train Master Advances Waybill
 - Off Line - Staged Trains
 - Operator Advances Waybills
 - Operator Blocks Train Before Departure
 - Champlain & Mechanicville Destinations Restored

Operations Update- Implementation

On Existing Layout – w/o Expansion

- **Generate Four Cycle Waybills**
 - 174 On Line Freight Cars
- **Generate New Train Orders**
- **Generate New Dispatcher's Sheet**
- **Generate Education Presentation**
- **Time Line:**
 - Late Spring / Early Summer 2023

Operation – Train Definitions

2023 Implementation / **Final Implementation**

- NWV Champlain / Mechanicville Thru Trains
 - **Two Station Stops Only**
 - Arlington Yard
 - Set Out Entire Train / Pick Up New Train
 - **Wilmington Yard**
 - **Set Out / Pick Up Cars – See Local Yard Master**
- NWV Locals
 - Arlington => Mill / Maple Corners & Return
 - Arlington => Evergreen / Power Jct. & Return
 - Arlington => Newton / Quarry & Return
 - Arlington => Plainfield & Return
 - **Wilmington => Plainfield & Return**
 - **Wilmington => Manchester & Return**
 - **Wilmington => Bridgeport & Return**

Operation – Train Definitions

2023 Implementation / Final Implementation

- NWV Grain Trains
 - Mechanicville ⇔ Champlain Terminal
 - Champlain ⇔ Plainfield
 - Mechanicville ⇔ Plainfield New Start Location
- NWV Paper Train New Train
 - Champlain ⇔ Mechanicville
 - Out Loaded / Return Empty
 - No Car Cards or Waybills
- B&M Interchange Train
 - Mechanicville (E Deerfield) ⇔ Arlington
- CVR Interchange Train
 - Champlain (St Albans) ⇔ Arlington

Operation – Train Definitions

2023 Implementation / **Final Implementation**

- **Amtrak Passenger Trains (2)**
 - Mechanicville => Champlain
 - Champlain => Mechanicville
 - Exchange Diner at Arlington Station
- **NWV MOW Train**
 - Stationed in Mechanicville Yard - Track # 9
 - On Call @ The Discretion of NWV Dispatcher

Operation - Staging

2023 Implementation / Final Implementation

- Champlain Yard
 - Track 1 – Open Available for Blocking Trains
 - Track 2 – Thru Freight # 1
 - Track 3 – Thru Freight # 2
 - Track 4 – Amtrak
 - Track 5 – CVR Interchange Train (St Albans)
 - Track 6 – Canadian Grain Train
 - Track 6 – Canadian Paper Train New
 - Utilize 12 Donated 50' Plug Door Box Cars

Operation – Staging

2023 Implementation / **Final Implementation**

- Mechanicville Yard
 - Track 1 – Open Available for Blocking Trains
 - Track 2 – Thru Freight # 1
 - Track 3 – Thru Freight # 2
 - Track 4 – Amtrak
 - Track 5 – B&M Interchange Train
 - Track 6 – NWV Grain Train ⇔ Champlain Terminal
 - NWV Yellow Hoppers
 - NWV Power & Caboose
 - **Track 7 – Canadian Paper Train (12 Cars) New**
 - NWV Power & Caboose
 - **Track 8 – Grain Train ⇔ Plainfield New**
 - Mid West Grain Hoppers (Buy 18 New Cars)
 - NWV Power & Caboose
 - **Track 9 – NWV MOW Train**
 - **Track 10 – OPEN**

Comments & Discussion

