

# Layout Design Special Interest Group

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**PARKLAND  
DIVISION**



# DESIGN OF AN HO SCALE VERSION OF CANADIAN PACIFIC'S MEADOW LAKE TERMINAL

Cal Sexsmith

**PARKLAND  
DIVISION**

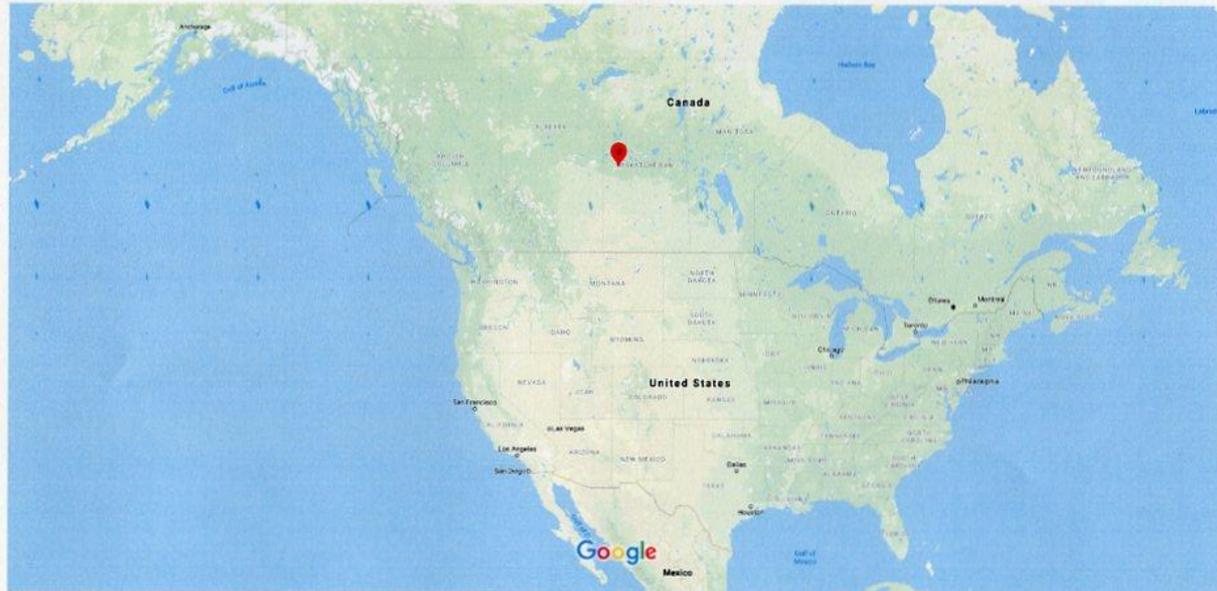


# WHERE IN NORTH AMERICAN IS MEADOW LAKE?

Meadow Lake - Google Maps

<https://www.google.ca/maps/place/Meadow+Lake,+SK/@45.8501217,-108.4374462,4.5...>

Google Maps Meadow Lake



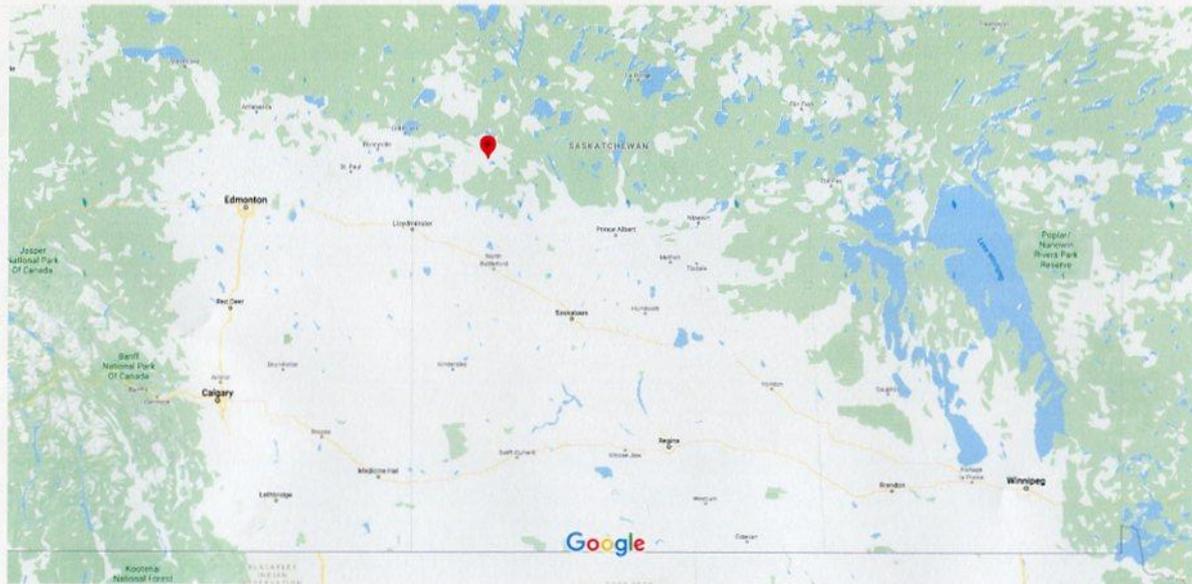
Map data ©2020 Google, INEGI 500 km

# WHERE IN WESTERN CANADA IS MEADOW LAKE?

Meadow Lake - Google Maps

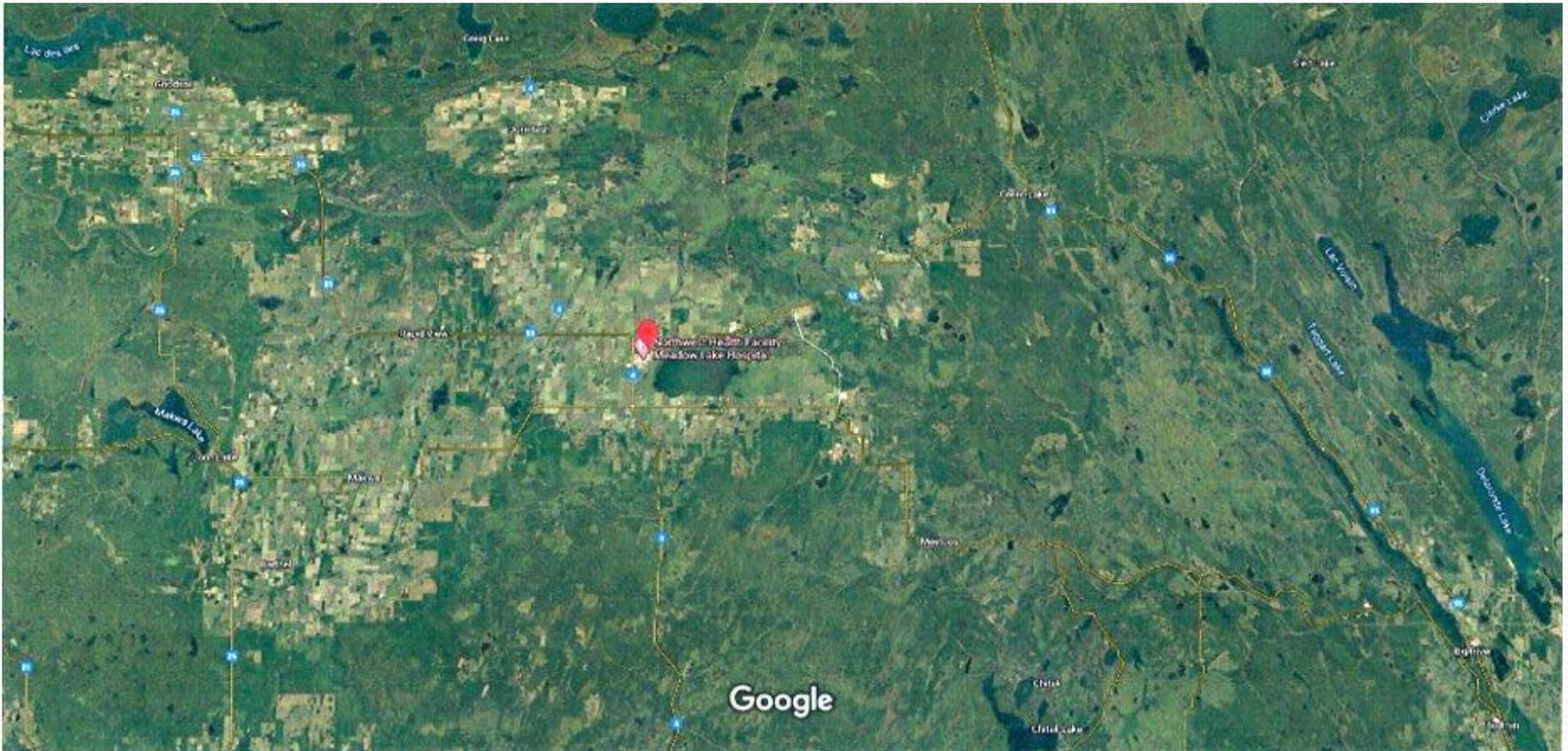
<https://www.google.ca/maps/place/Meadow+Lake,+SK/@52.4344267,-105.9257392,6.7...>

Google Maps Meadow Lake



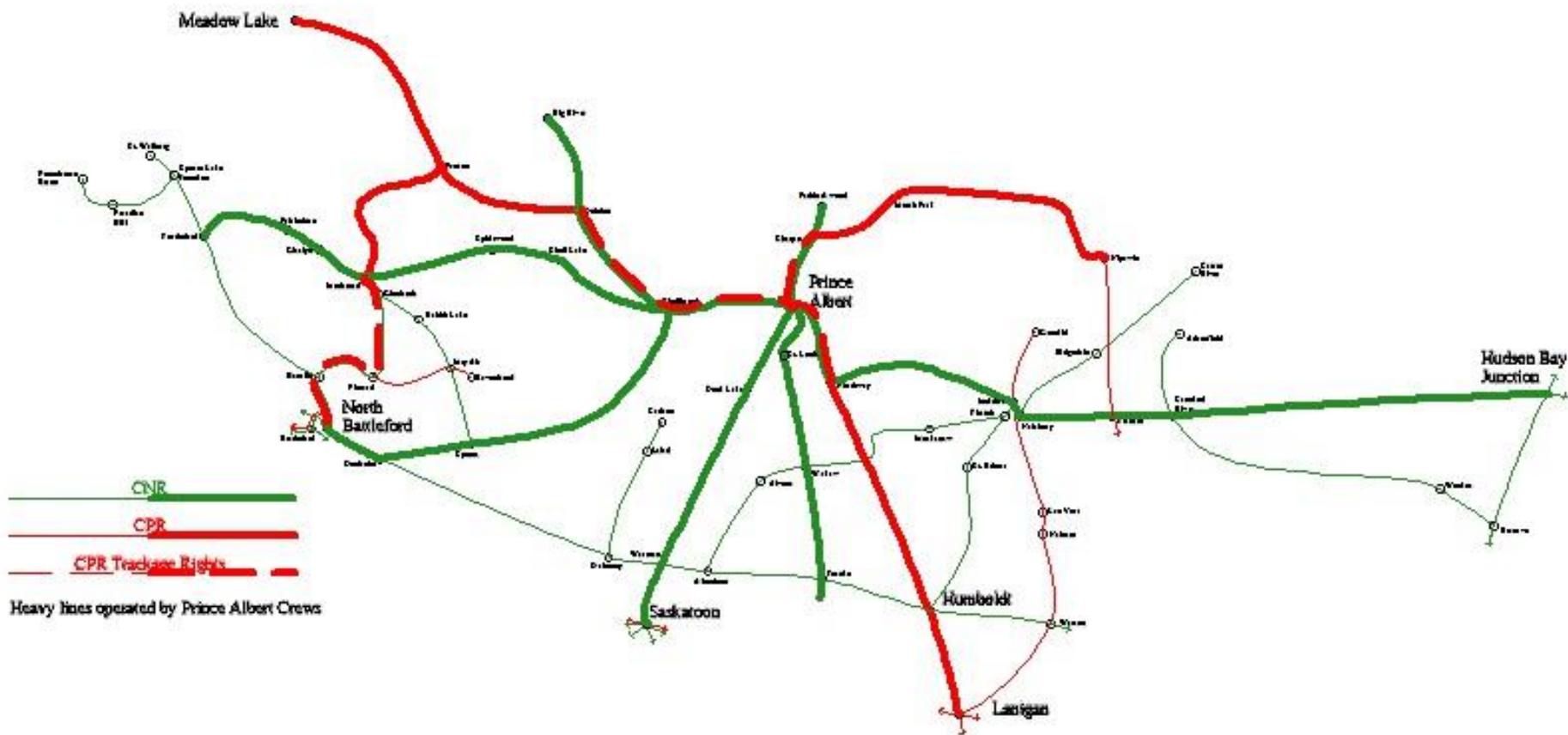
Map data ©2020 Google 100 km

# WHERE IN SASKATCHEWAN IS MEADOW LAKE?



# PARKLAND DIVISION

- The Parkland Division is my collective name for the CN and CP subdivisions operated out of their terminals in Prince Albert, Saskatchewan.
- Officially the CN lines were part of the Prairie Region – Saskatchewan Area – Northern Section.
- The CP lines were part of the Prairie Region – Saskatoon Division



Heavy lines operated by Prince Albert Crews

# PARKLAND DIVISION GOALS

1. Representation of rail lines in the City of Prince Albert including the PAPCO pulp mill complex.
2. Representation of CN's Blaine Lake Subdivision from Prince Albert to Shellbrook.
3. Representation of some portion of CP's Meadow Lake Subdivision.
4. Representation of some portion of CN's Duck Lake Subdivision.
5. Representation of some portion of CN's Big River Subdivision.

# MEADOW LAKE SUBDIVISION

- Built 1931
- Intended terminal was Lac La Biche, Alberta on the Northern Alberta Railways
- Utilized trackage rights on CN from Prince Albert to Debden 60.2 miles
- Total mileage Prince Albert to Meadow Lake 153.6 miles, Debden to Meadow Lake 93.4 miles
- Most northerly point on the Canadian Pacific

**PARKLAND  
DIVISION**



# ADVANTAGES OF BRANCHLINE TERMINALS

- Compact often interesting facilities
- Operational interest as all trains have to be turned
- A branchline terminal combined with a staging/fiddle yard can be operated as a stand alone layout from day one
- Excellent for solo operations
- Good training ground for new operators

# DIS-ADVANTAGES OF BRANCHLINE TERMINALS

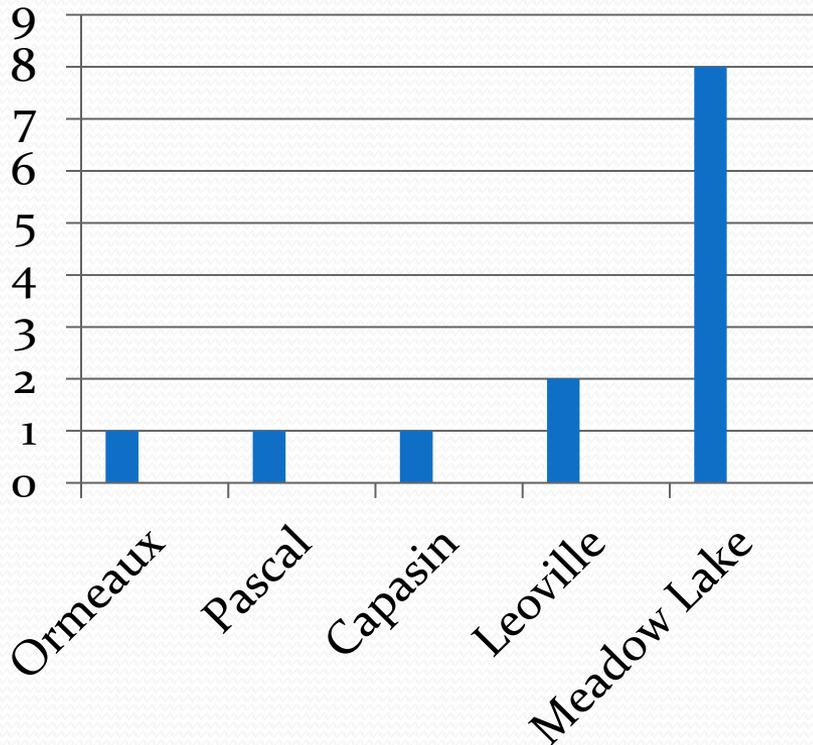
- Car types limited by types of industry in town
- No through traffic unless there is an interchange with another railway
- Frequently very low traffic volumes. Prototypes were frequently served less than daily
- Not always conducive to group operations

# WHY MEADOW LAKE?

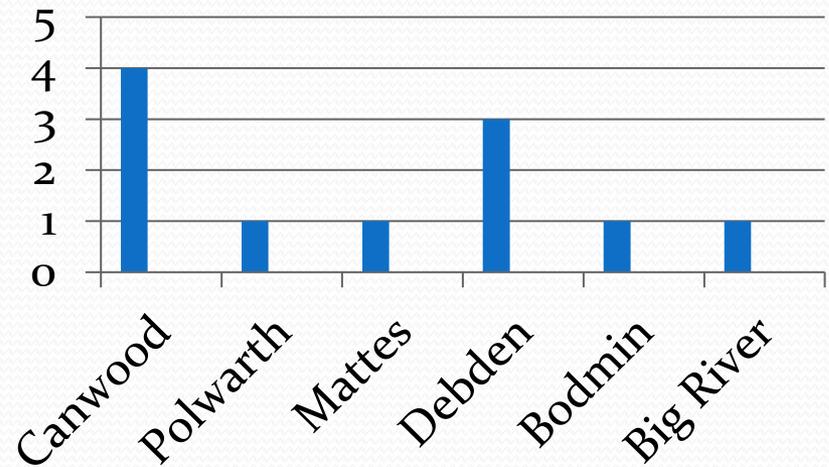
- “Mysterious” location from my childhood
- On the forest/prairie edge
- Memories of the “Black Fly” to Meadow Lake
- Most of the traffic originates at Meadow Lake
- Services the forestry industry as well as agriculture
- Meadow Lake is actually the terminal for two branchlines, therefor traffic heads to and from two different locations. i.e. eastbound grain via Prince Albert, westbound grain via North Battleford.

# NUMBER of ELEVATORS

## Meadow Lake Sub

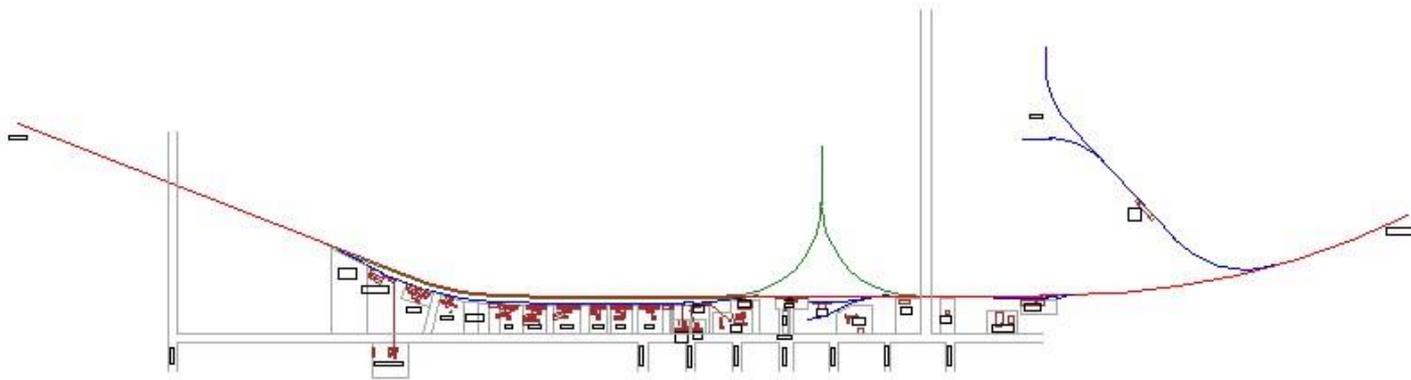


## Big River Sub



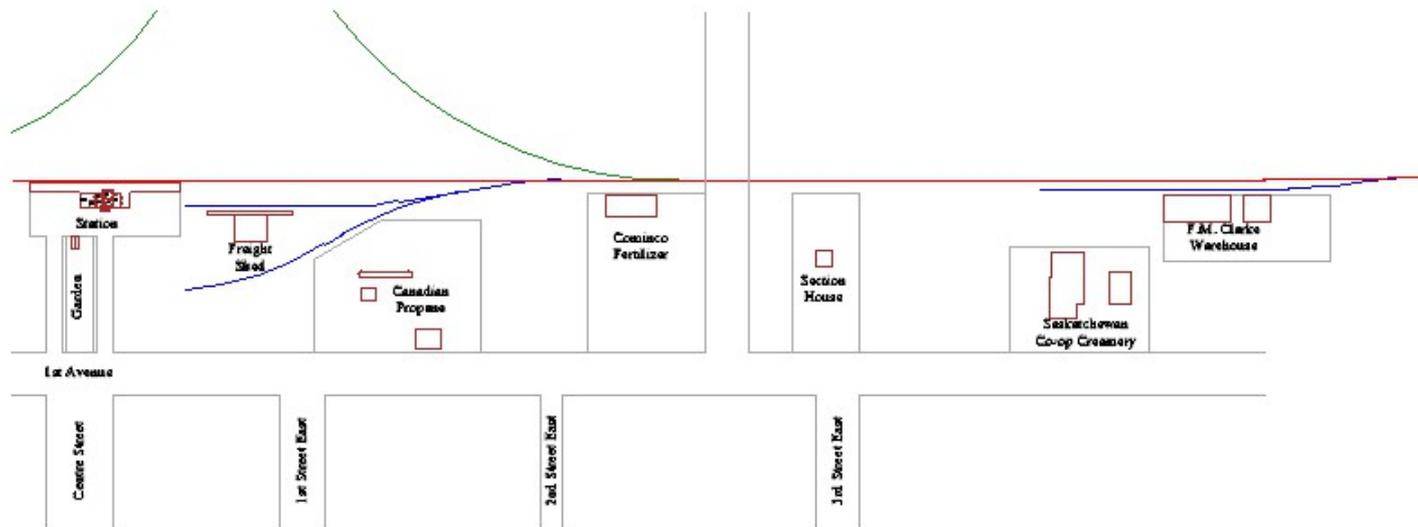
# PROTOTYPE

Courtesy Saskatchewan Railway Museum



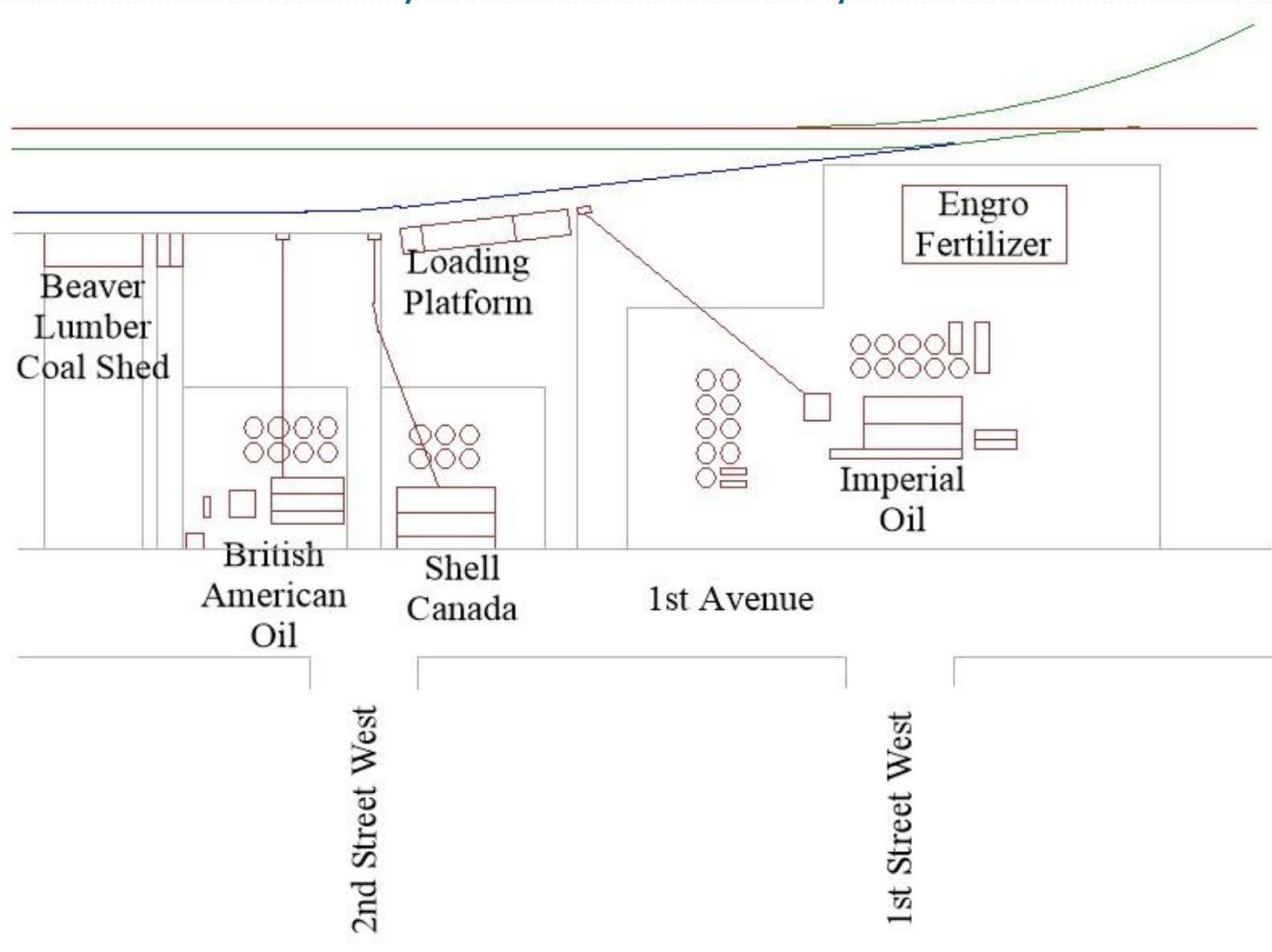
# STATION

Courtesy Saskatchewan Railway Museum



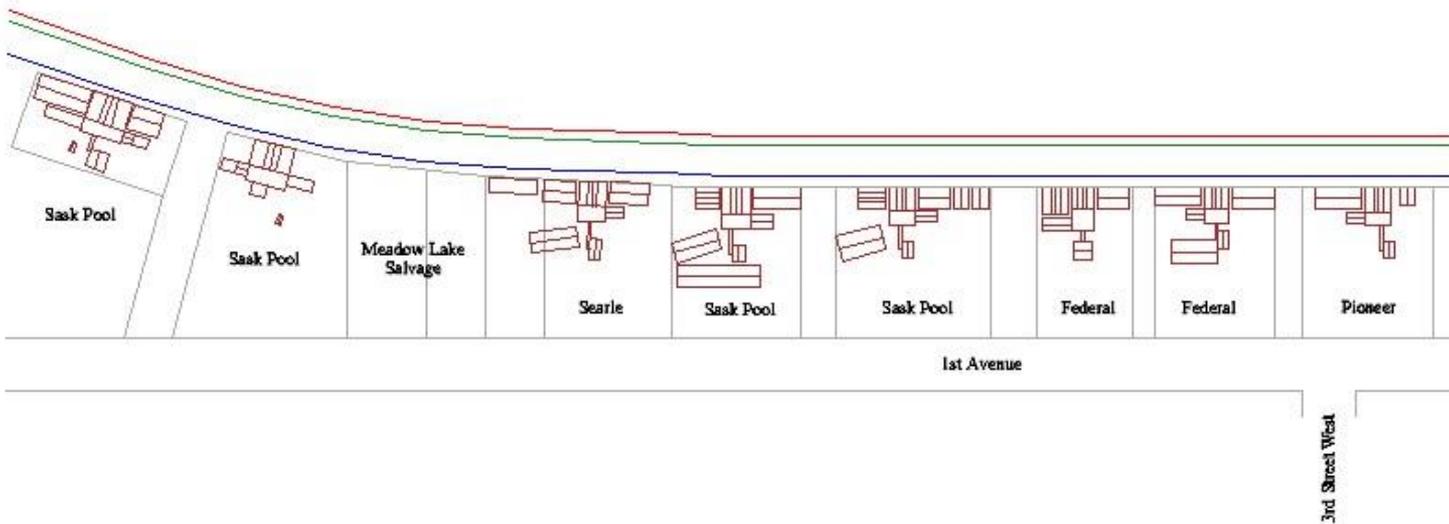
# BULK FUEL STATIONS

Courtesy Saskatchewan Railway Museum



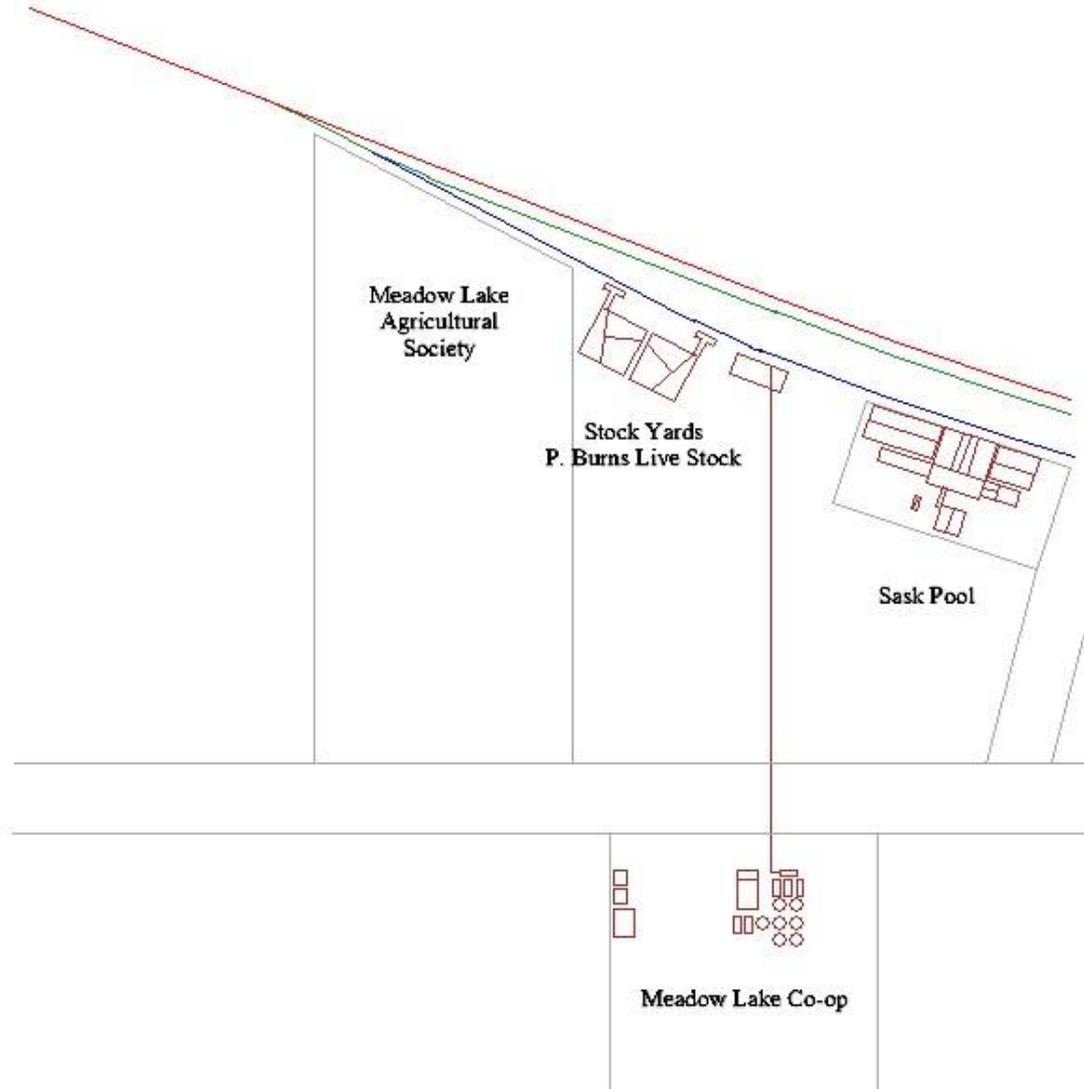
# ELEVATORS

Courtesy Saskatchewan Railway Museum



# STOCK YARDS

Courtesy Saskatchewan Railway Museum



# AERIAL

Courtesy Bill Smiley Archives



# ELEVATOR ROW – RAIL SIDE

Prairie Towns Website



# ELEVATOR ROW – ROAD SIDE

Prairie Towns Website



# THE BLACK FLY

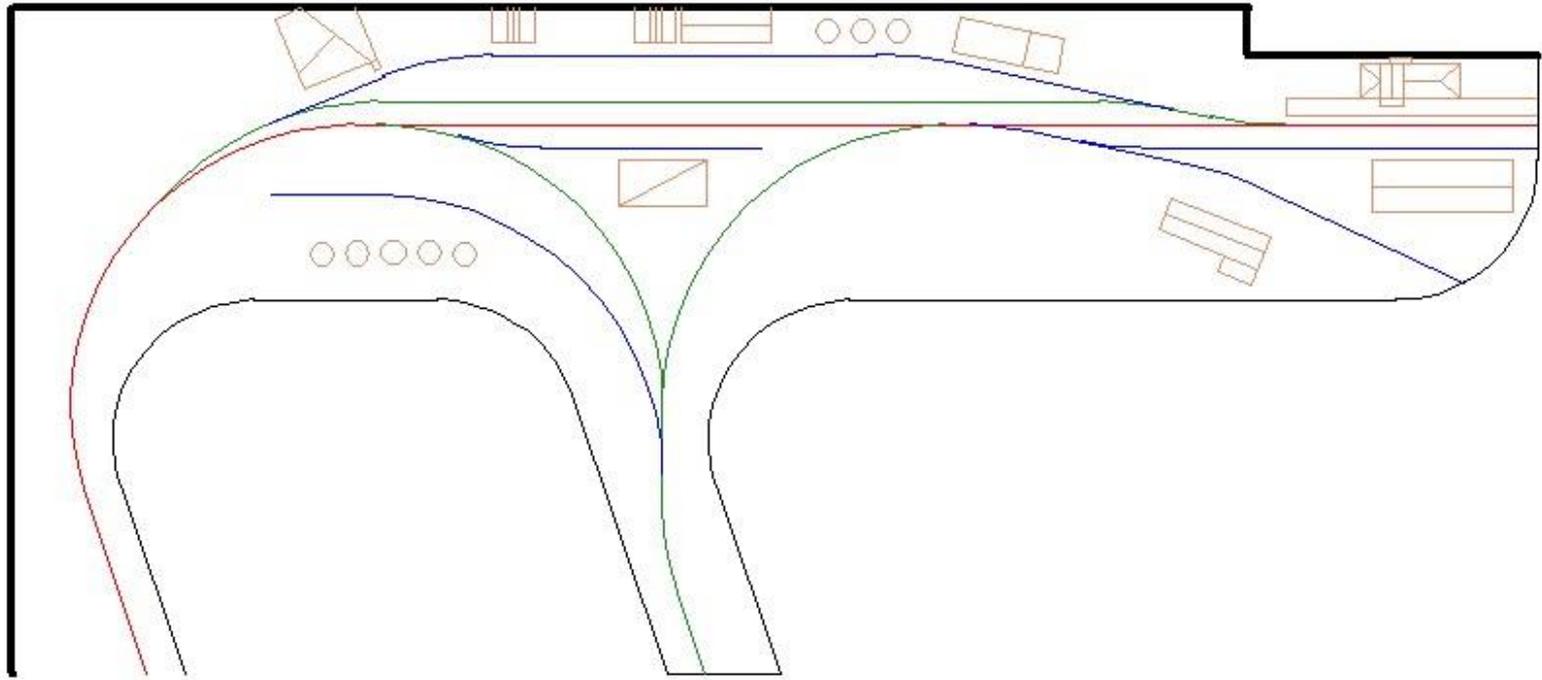
Photo by Doug Philips



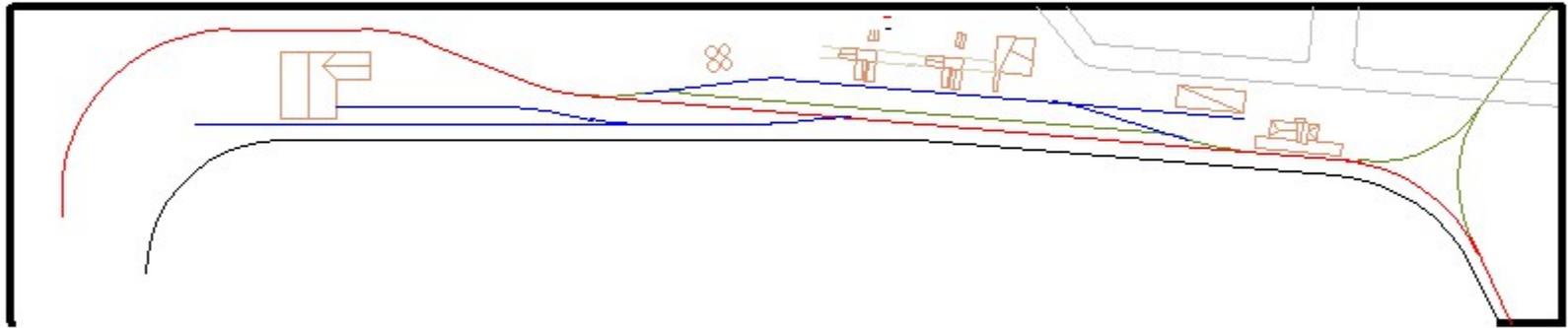
# RS-23



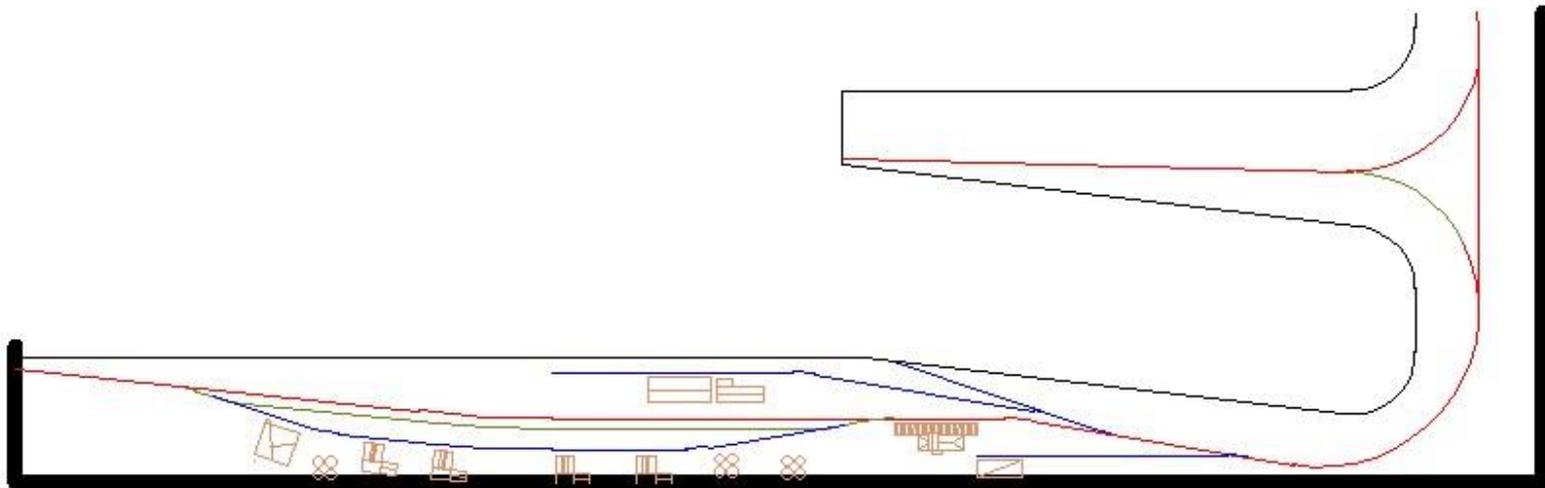
# TRACK PLAN ONE



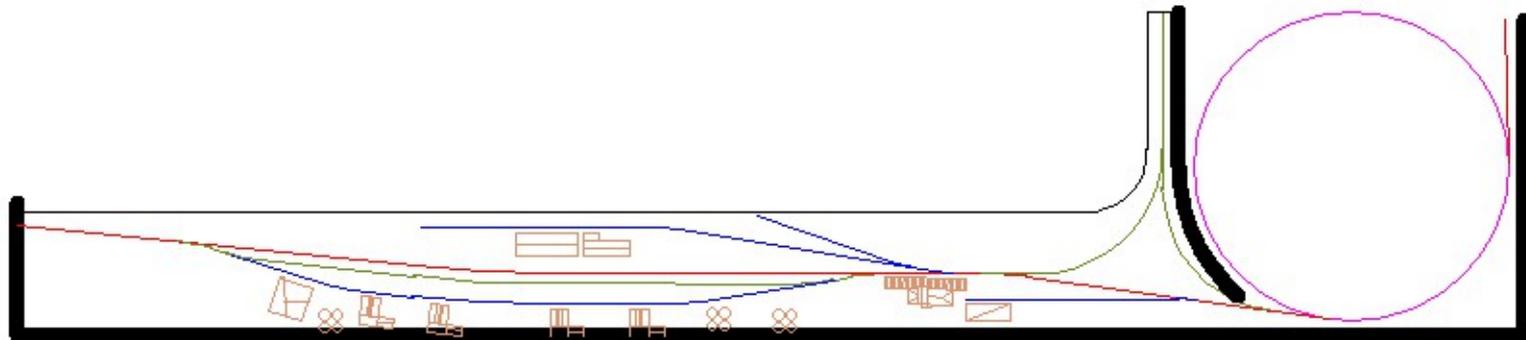
# TRACK PLAN TWO



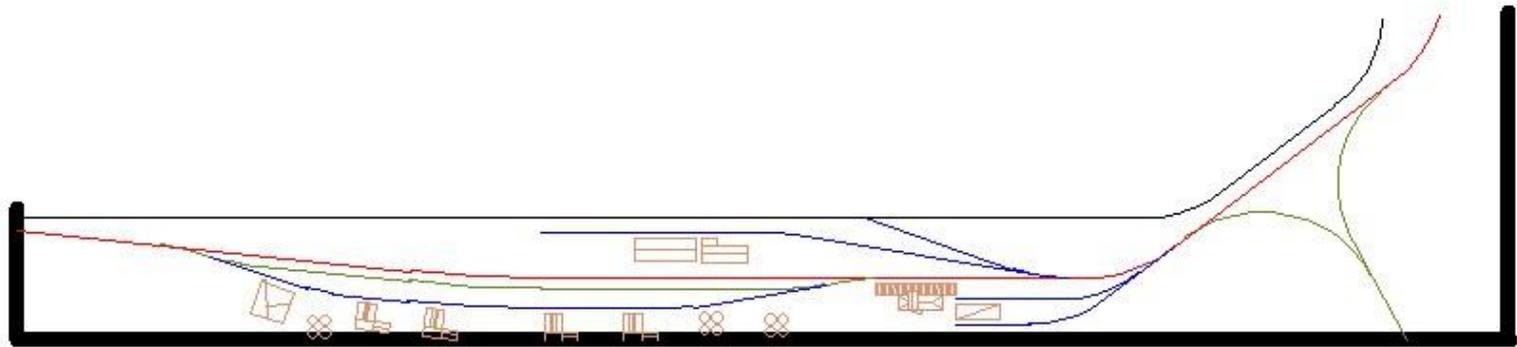
# TRACK PLAN THREE



# TRACK PLAN FOUR



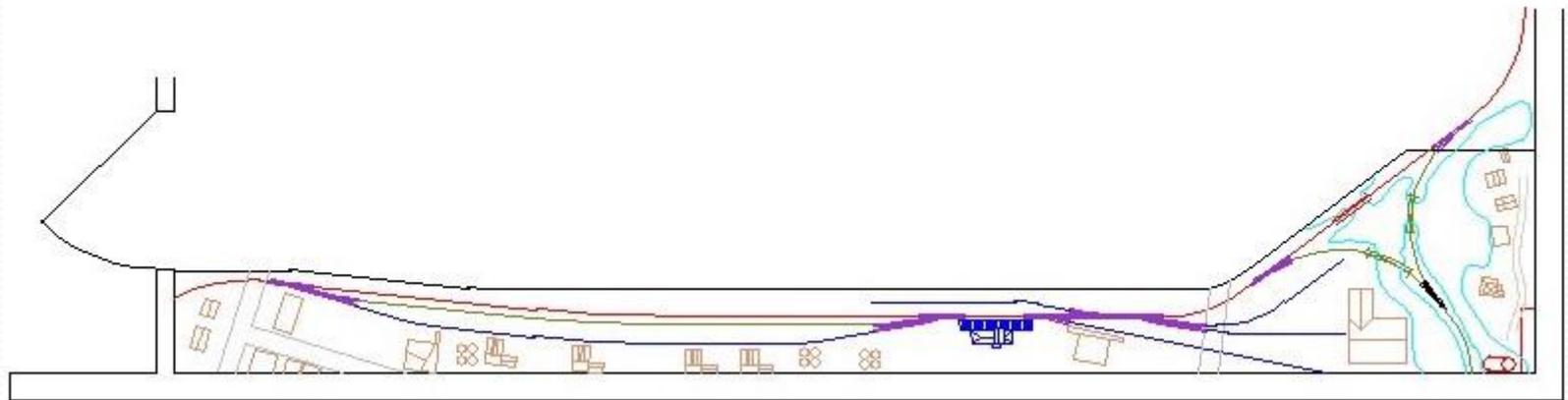
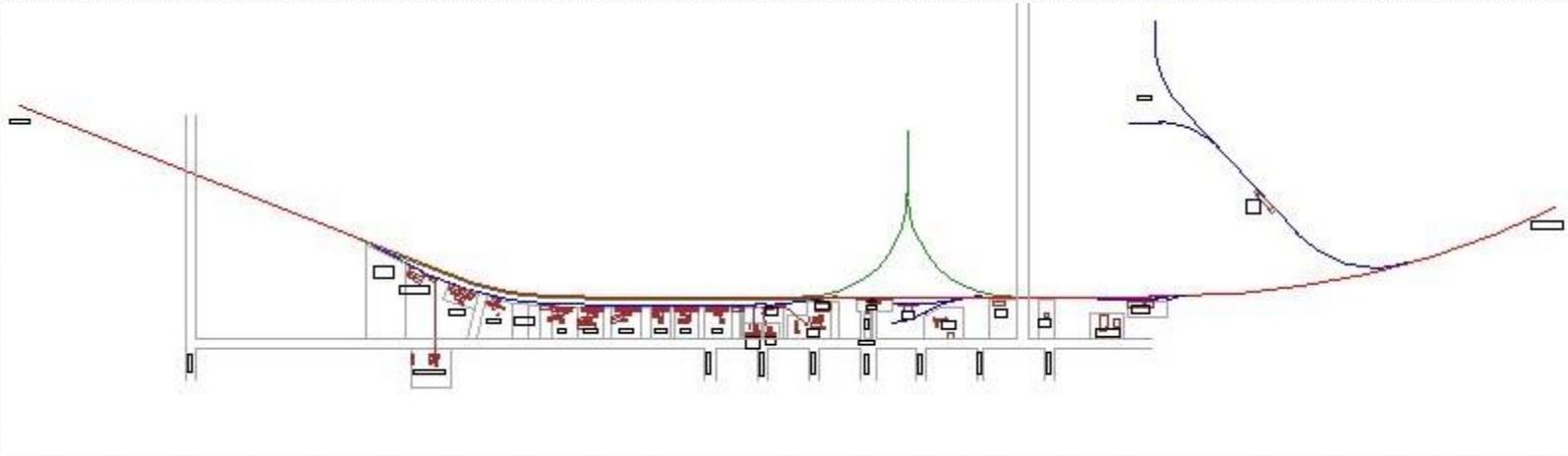
# TRACK PLAN FIVE



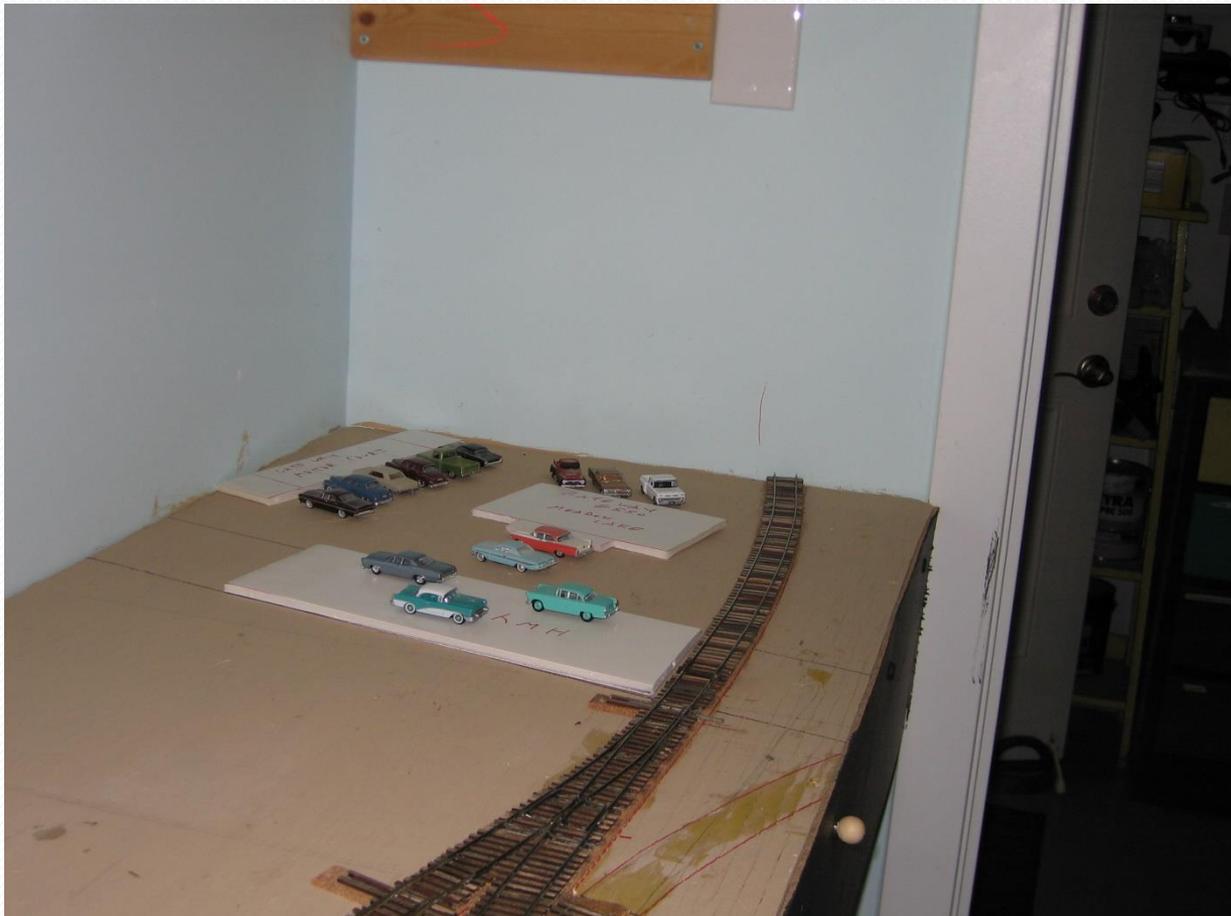
# FINAL TRACK PLAN



# PROTOTYPE VS. MODEL



# GATEWAY ESSO



# GATEWAY ESSO PROTOTYPE

From: The Aerial Photography of Howdy McPhail by Bill Waiser



*Esso Gateway Auto Court, Meadow Lake, Saskatchewan*

# WEST END



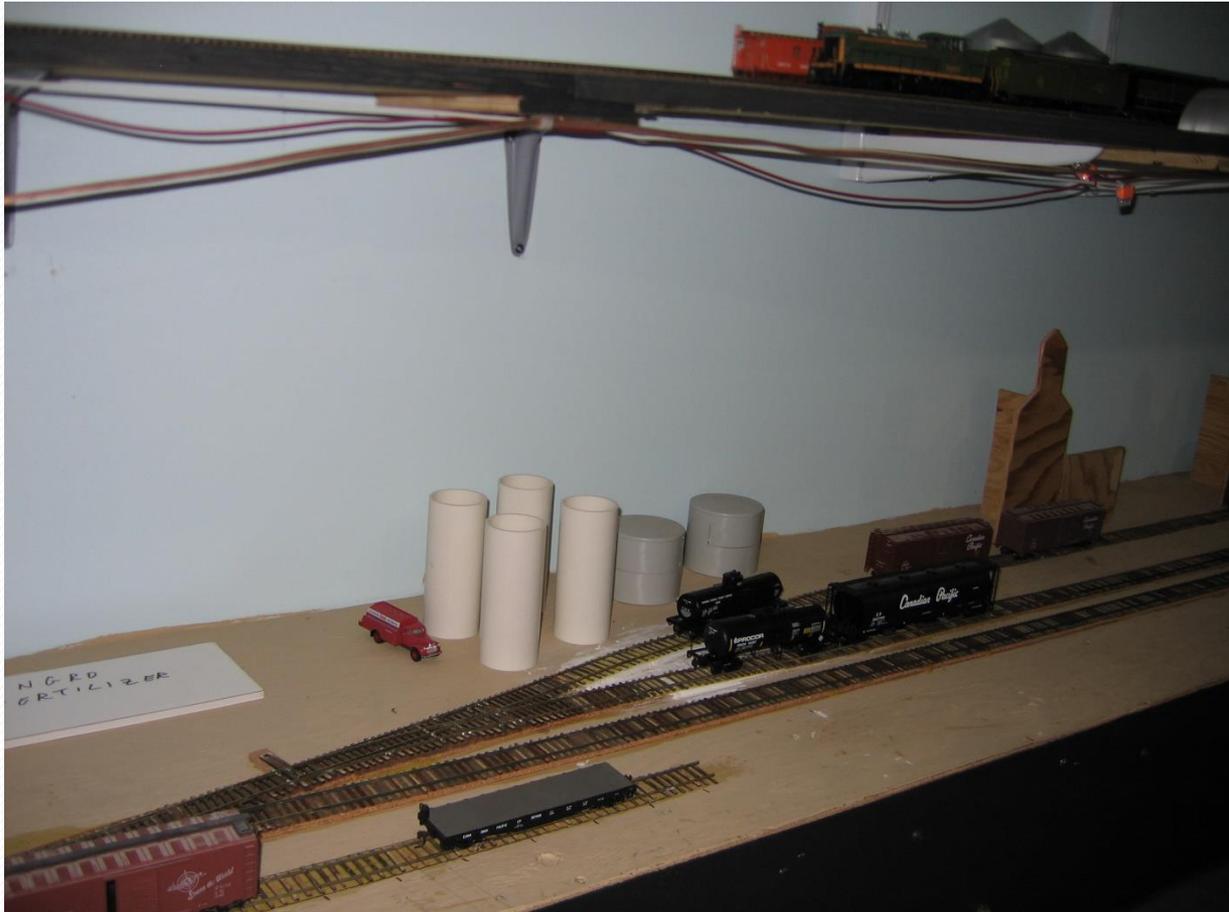
# STOCK PENS



# ELEVATOR ROW



# BULK PLANTS



# STATION



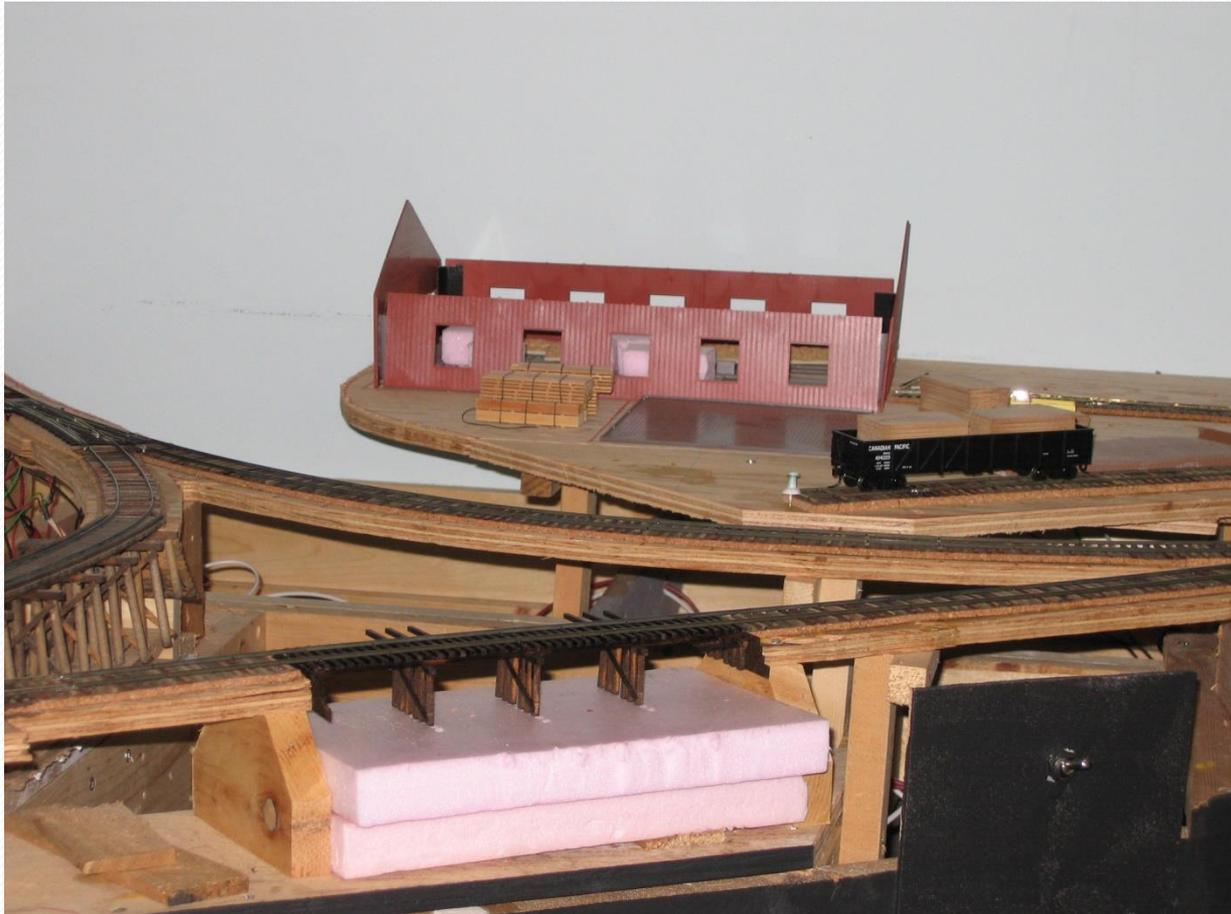
# FREIGHT SHED



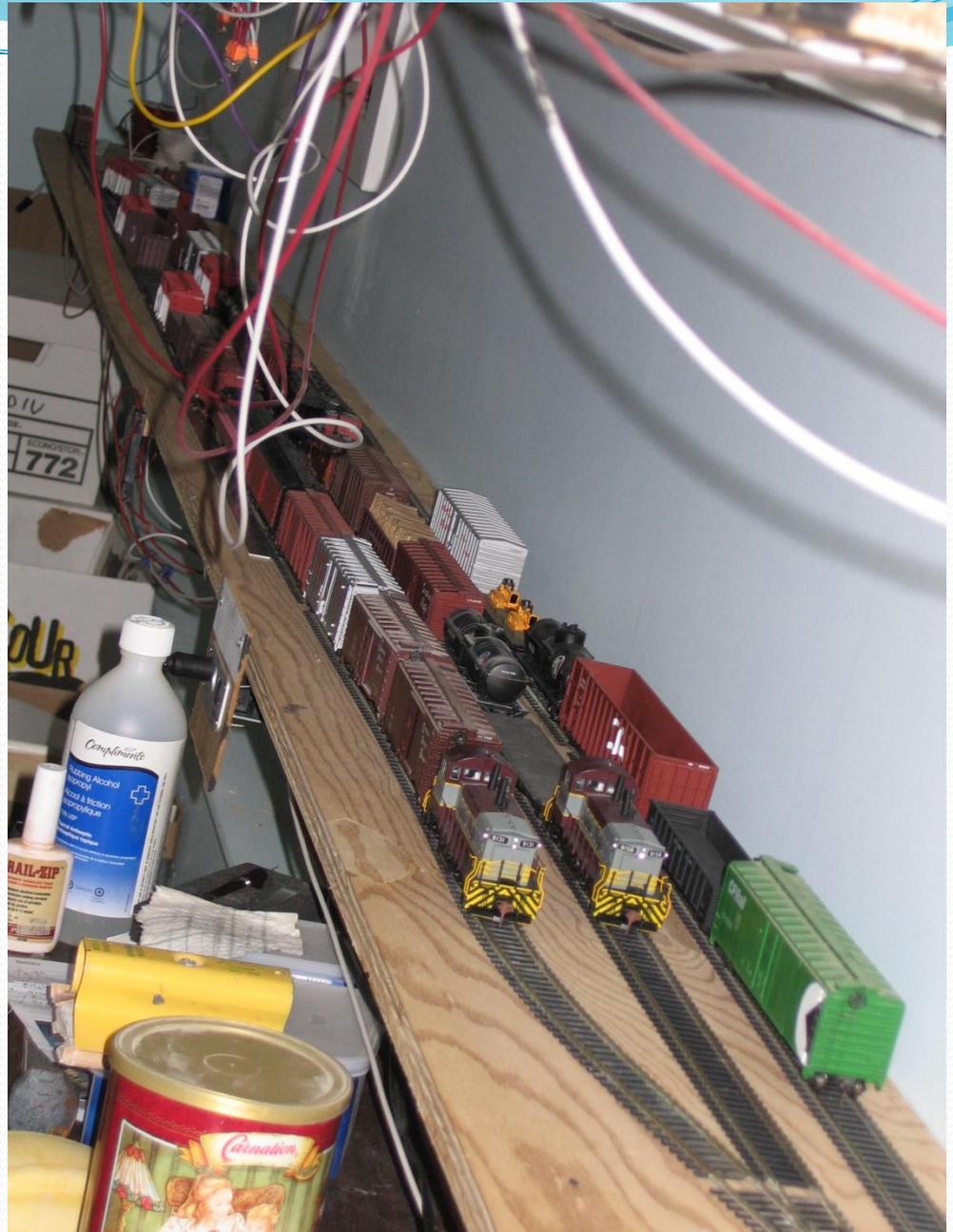
# SAW MILL



# WYE



# STAGING



# Layout Design Special Interest Group

# QUESTIONS?

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