
R Street Master Plan

Sacramento Model Railroad Historical Society

Revision 4 - approved by SMRHS board of directors on August 14, 2009



Comments Welcome: Please contact; Jeff Loose at jaloose2000@yahoo.com

Jeff's R Street Building Selection and Site Process:

1. Industries listed on club track plan, next to correct sidings per club track plan
2. Industries shown on 1951 Sanborn map, plotted in correct block
3. Industries shown on 1951 Sanborn map, within a block or two of Sanborn
4. Houses shown on 1951 Sanborn map, within a block or two of Sanborn

After plotted on paper, did 2D mockups for club to check fit

Recommended process of construction

Install building lighting and animation electrical

Construct structures, dry fit them onto layout

Add roadways, then other scenery recommend .030 Styrene over plaster of paris sub roadbed

Final fit for buildings, add people, cars, etc

R street master plan

Organized by block, starting with 2nd street

Orientation: As you are facing R Street, with your back to Oroville, standing in aisle of layout of club, you are pointing roughly North

2nd Street to 3rd Street:

North side of tracks:

Universal Car Unloading House:

Building foot print size: 28 1/2" wide x 5 1/2" deep (scale: 206' x 40')

Location: Long part of building faces northern most spur

Other long side of building faces Q street

Western end of building faces 2nd street - main man door entrance here

Eastern end of building has gap to 3rd street

Purpose of building: freight interchange - RR to RR and RR to truck

Type of construction: Corrugated sheet metal sides and roof

Special features or signage:

Possible color(s); sheet metal

South side of tracks (left to right):

Grocery down, house up

Building foot print size: 4" wide x 6" deep (scale: 29' x 43')

Location: facing R street

Two story with grocery in front, w/awning and stairs up side

Duplex

Building footprint size: 5" wide x 6" deep (scale: 36' x 43')

Location: Facing R street

Two story, no porch, stairs up side

House

Building footprint size: 4" wide x 5" deep (scale: 29' x 36')

Location: Facing R street

One story or one and 1/2 story

Empty Lot

House

Foot print size: 7" wide, 4" deep (scale: 50' x 29')

Location: faces R street

Two story, with no porch and stairs up back

Duplex

Foot print size: 6" wide x 6" deep (scale: 43' x 43')

Location: Facing R street

Two story with walk up front porch to main door, porch and stairs on rear

Store on bottom, duplex on top

Foot print size: 6" wide x 8" deep (scale: 43' x 58')

Location: Facing R street

Two story with angled store entrance facing R/3rd, stairs up rear

Between structures: low growing vegetation, with patches of bare soil, paths

Roadway: Power poles running down middle of R street, asphalt or patchy concrete

3rd Street to 4th Street:

North side of tracks

WP, SN, CCT Freight House #1

Building footprint: 23 1/2" wide x 5 3/4" deep (scale: 170' x 36')

Location: Long part of building faces northern most spur (train side - 3 doors)

Other long side of building faces Q street (truck side - 10 doors)

Western end (open dock) faces 3rd street, with space for trucks

Eastern end of building (office) has gap(modeling)to 4th street

Purpose of building: Freight loading/unloading for WP, SN, CCT.

Cross loading between lines

Transfer from rail to truck

Type of construction: wood frame, horizontal lap siding

Special features or signage: square WP sign on east and north sides

Possible colors: white or off white

Warehouse:

Building footprint: 10" wide x 8" deep (scale: 73' x 58')

Location: east of WP Freight, faces 4th street

3 story concrete building with metal frame windows with many panes,
matches Thomson Diggs

South side of tracks 46" in total

California Ice Company/Grace Bros. Brewing:

Building footprint: 12" wide x 4" deep (scale: 87' x 29')

Location: next to Thomson Diggs on south side of R street, adjacent to 3rd street

Purpose of building: Ice processing, beer storage

Type of construction: Open truck dock facing R street, back of building with man
door and couple high windows. Masonry construction, 18' high

Signage; Unknown. "California Ice Company" likely

Possible colors: Pale green

Thomson - Diggs

Building footprint: 24" wide x 4" deep (scale: 174' x 29')

Location: Directly across R street from WP/SN/CCT Freight house

Purpose of building: Warehouse for Thompson Diggs Co:Wire products, heavy
hardware, iron, steel

Type of construction: Masonry on Steel Frame

3 story with metal frame windows with many panes

Signage: Between 2nd and 3rd story windows: large Times Roman block
letters,white on black background "The Thomson Diggs Co" on each side of building

Possible colors: Light color, white or other pale color

Fire Hydrant (Single) in front of Thomson Diggs, facing 3rd Street

Historical marker sign for "California's First Passenger Railroad"

Single family home:

Building foot print: 6" wide by 4" deep (scale: 43 x 29')

Location: facing 4th street, with backyard next to Thompson Diggs

Single story wood frame with walk up porch

Between structures: low growing vegetation, with patches of bare soil, paths

Roadway: Power poles running down middle of R street, asphalt or patchy concrete

4th Street to 5th street:

P&A shippers:

Building footprint: 8" wide x 3 1/2" deep (*scale: 58'x 25'*)

Location: Long parts of building between northern most spur and next spur

Western end of building faces 4th street

Eastern end of building near western end of Western Potato Dist.

Purpose: shipper?

Type of Construction: Wood floors with trusses, wood exterior

Special features of signage

Possible colors: white

Western Potato Distributors:

Building footprint: 10" wide x 3" deep (*scale: 72'x 21'*)

Location: Long sides of buildings between north most spur and next spur

Eastern end of building faces 5th street

Western end of building near eastern end of P&A shippers

Purpose: Potato distributors

Type of construction:

Special features or signage:

Possible colors

Safeway Produce:

Building footprint: 10" wide x 3" deep (*scale: 72'x 21'*)

Location: northern side of northern most spur

(see photo)

Fire Hydrant (Double) in front of Western Potato, facing 5th street

Between structures: low growing vegetation, with patches of bare soil, paths

Roadway: Power poles running down middle of R street, asphalt or patchy concrete, more concrete/asphalt in this block and all blocks heading east than previous two blocks

5th street and 6th street:

Dallman Supply:

Footprint: 14" wide x 7" deep (*scale: 101'x 51'*)

Location: middle of block, between northern most spur and next spur

Sloped side of building to accommodate curve in northern most spur

Purpose:

Type of construction: Corrugated steel, with same on roof

Special features and signage: East and west ends "Dallman Supply"

Possible colors: Beige

Fire Hydrant (Single) in front of Dallman Supply, facing 5th Street

North of northern most spur:

Total Building Footprint: 24" wide x 3" deep

backside of 4 houses that face Q street, frontside of houses that face Q street

Width of houses: 5", 4", 6", 4" (*scale: 36', 29', 43', 29'*)

Type of construction: 2 and 3 story wood frame with horizontal siding

Possible colors: builders choice

Between structures: low growing vegetation, with patches of bare soil, paths

Roadway: Power poles running down middle of R street, asphalt or patchy concrete

6th Street and 7th Street

General Mills ("Sperry Flour Co"):

Building footprint: 20" wide x 5" deep (*scale: 145'x 36'*)

Location: north side of northern most spur

West end aligned to end of spur

Office faced 7th street

"1722 - 1724 7th street"

Purpose: warehouse for flour, cereal and feed

Type of Construction:

Office: one window on north, south: metal frame

Warehouse: windows with metal shutters

Wired glass skylights (five) along centerline of roof

Special features or signage:

Building divided up into:

Office

Cereal warehouse

Flour warehouse

Feed warehouse

Possible colors:

Fire Hydrant (Single) in front of General Mills facing 7th Street

7th and R Crane Track

Footprint: 4" deep, straddles tracks

Location: Southern most spur

Purpose: Crane over track

Type of construction: Two A frames with connecting I beam over track

Special features or signage: sign across I beam "Western Pacific"

Possible colors: Black

7th and R platform:

Footprint: 6" wide x 3 to 4" deep (*scale: 43'x 21'*)

Location: end of middle spur, adjacent to 7th street

Purpose: off load flat cars from end?

Type of construction: Iron I beams into ground, wood behind I beams, then topped with concrete

Special features or signage: none

Possible colors: I beams are rusty, wood is weathered

Between structures: low growing vegetation, with patches of bare soil, paths

Roadway: Power poles running down middle of R street, asphalt or patchy concrete

7th street and 8th street:

The Shasta Water Co

Building foot print: 12" wide x 4" deep (scale: 87'x 29')

Location: south side of spur, west end aligned to 7th street
"1801 7th street"

Type of construction: 18' plaster walls, small office in one corner

Leo J Meyburg:

Building footprint: 8" wide x 5" deep (scale: 58'x 36')

Location: south side of spur, between 7th and 8th

Purpose: Radio and TV parts?

Type of construction: brick building

Special features or signage

Possible colors: red brick

Old Scale:

Location: north side of spur, between 7th and 8th

Purpose: Scale for weighing freight cars (?)

Type of construction: small building on north side, houses scale read out

Special features or signage: wood construction

Montgomery Ward warehouse

Footprint: 12" wide x 5" deep (scale: 87'x 36')

Location: south side of spur, between 7th and 8th street

Type of construction: Loading door for rail on north side of building, loading doors
for trucks on south side of buildings

"723 R street"

Purpose: warehouse

Type of construction: Brick building, 2 story, windows in top, loading dock on first floor

Sacramento Municipal Utility District Sub Station

Footprint: 5" wide x 5" deep (scale: 36'x 36')

Location: next to Montgomery Wards

"730 R street"

Triple fire hydrant in front of Shasta Water Co

Between structures: low growing vegetation, with patches of bare soil, paths

Roadway: Power poles running down middle of R street, asphalt or patchy concrete

8th street and 9th street:

North side from west to east:

Footprint of entire block: 16" wide x 4" deep

Backside of houses that faced Q street, front side of houses that face Q street

4" "1725 8th street" single family house, faced 8th street

2" and 2" "804 1/2 R street" and "806 1/2 R street" one car garages for houses that faced Q Street

4" "816 1/2 R Street" 1 1/2 story house with garage facing R street 4" wide x 3" deep

4" empty lot that was backyard for 820 Q street

South side of track, from west to east: (note: these building flush to each other)

Footprint of entire block: 16" wide x 14" deep

Campbell Construction Company:

Building footprint: 4" wide x 14" deep (scale: 29'x 101')

Location: western end, facing R street

"800 R street"

Purpose:

Type of construction: Office on corner, small warehouse wrap around office

Wood posts with plaster walls, 18 feet high

Special features and signage

Possible colors:

Capital City Planing Mill:

Building footprint: 8" wide x 14" deep, with 8" wide, 4" deep cutout for Nat'l Biscuit

Lumber shed located next to Govt. Storage, parallel to 9th street

Location: from R street, partially concealed by Natl Biscuit, next to Lumber shed

Cabinet shop , office and warehouse wrapped around Natl Biscuit

Purpose: Mfg. of wood products?

Type of construction: concrete floor, truss roof

National Biscuit Company warehouse:

Foot print: 4" wide x 8" deep (scale: 29'x 58')

Location: Eastern end of street

Purpose: Food storage

Type of construction:

Between structures: low growing vegetation, with patches of bare soil, paths

Roadway: Power poles running down middle of R street, asphalt or patchy concrete

9th street and 10th street:

North side:

Roller Skating Rink

Building footprint: 4" wide x 6" deep (*scale: 29'x 43'*)

Location: West end of 9th street

"1801 9th street"

Purpose: Roller rink

Type of construction: Wood post with plaster walls 14 foot high

Signage: See Rollerway sign in images

Newspaper Supplies warehouse:

Building foot print: 4" wide x 5" deep (*scale: 29'x 36'*)

Location: next to roller rink

"918 R Street"

Purpose: storage for Sac Union or Sac Bee?

Type of construction: Wood truss roof, concrete floor, reinforced concrete walls

Store down, apartment above

Building footprint: 7" wide x 4" deep (*scale: 50'x 29'*)

Location: Facing 10th street

Purpose: Store down, apt above, angled door facing R/10th street

South side:

Goodyear Tire:

Building foot print: 13" wide x 5" deep (*scale: 94'x 36'*)

Location: south side of siding - middle of block to parallel siding

"1724 10th street"

Purpose:

Type of construction: red brick on east and south sides, concrete block on north and west sides. Roof: hip roof

Special features and signage

Possible color: Concrete block was red, to match brick

Between structures: low growing vegetation, with patches of bare soil, paths

Roadway: Power poles running down middle of R street, asphalt or patchy concrete

10th street and 11th street:

North side:

Footprint for entire block: 32" wide x 6" deep

Wire Works:

Building footprint: 8" wide x 11" deep (*scale: 58'x 80'*)

Location: north side of tracks, west end of 10th street, facing 10th street
"1811 10th street"

Type of construction: single family home with wire fence making building at 1811
1/2 10th in the back yard.

Carlow Brothers:

Building and lot footprint: 6" wide x 5" deep (*scale: 43'x 36'*)

Location: west end of 10th street, facing R street
" 1807 10th street"

Type of construction: Open lot with outbuildings

Office/Storage:

Polishing shop

Marble saw

Marble and stone cutting shed

State of California warehouse:

Building and lot footprint: 10" wide x 5" deep (*scale: 72'x 36'*)

Location: east end, facing 11th street
"1026 and 1030 R street"

Type of construction: Wood post, 18 ft high

Purpose: General supply storage

South side:

WP Fuller:

Building footprint: 19" wide x 6" deep (*scale: 138'x 43'*)

Location: South side of siding

Front of building (west side) adjacent to 10th street

Purpose: Paint and coating manufacturer and store

Type of construction: Brick

Special features or signage: Large wooden dock doors

Possible colors: red brick

Duplex

Building footprint: 8" wide x 4" deep (*scale: 58'x 29'*)

Location: facing 11th street "1728 11th street"

Type of construction: Wood frame, w front porch across front, walk up stairs
in rear

Duplex

Building footprint: 8" wide x 4" deep (*scale: 58'x 29'*)

Location: facing 11th street "17xx 11th street"

Type of construction: Wood frame, w front porch across front, walk up stairs in rear

Between structures: low growing vegetation, with patches of bare soil, paths
Roadway: Power poles running down middle of R street, asphalt or patchy concrete

11th and 15th street (this area still pending as of August 14, 2009, subject to change)

State of california warehouse - 38 ft tall

Building footprint: 7" wide x 10" deep (scale: 51'x 73')

Location: south side of siding

Type of construction: Brick (see mockup at club)

American Glass

Building footprint: 8 1/2" wide x 5" deep (scale: 62'x 36')

Location: south side of siding

Front of building (east side) adjacent to 15th street

Purpose:

Type of construction

Special features or signage:

Possible colors:

Borden's Creamery

Building footprint: 8" wide x 6" deep (scale: 58'x 43')

Location: south side of siding, between Amer Glass, State whse

Purpose: milk processing, ice cream production

Type of construction: builders choice

Possible colors: likely white exterior

Double fire hydrants at 11th street, 15th street

Footprint for north side of block: 34" wide x 5" deep

Wholesale electric supplies and radios

Footprint: 4" wide x 4" deep (scale: 29'x 29')

Location: adjacent to State of Calif warehouse, adjacent to Firestone

Type of construction: reinforced concrete, 16' high, door in front, door in rear, window front, window rear

Firestone tire warehouse

Footprint: 4" wide x 4" deep (scale: 29'x 29')

Type of construction: wood truss, 24 metal vents in roof, 18' tall, 3 single hung windows on one side

Palace laundry

Footprint: 4" wide x 4" deep (scale: 29'x 29')

Location: 2" open space next to Firestone, 2" open space next to Perkins"

Type of construction: one story, masonry, main door off left side

Special features or signage: Neon sign off front corner " Palace Laundry"

Possible colors: light grey

Perkins Grain and Milling

Footprint: 4" wide x 4" deep (scale: 29'x 29')

Type of construction:

Wonder Bakery

Footprint: 4" wide x 4" deep (scale: 29'x 29')

Type of construction: 2 story brick building, 4' x 4' windows both floors

Crystal Ice and Cold Storage (scale: 73'x 36')

Footprint: 10" wide x 5" deep

Location: 11th and 15th north side

Type of construction: concrete walls, no windows 30' tall

Special features: model south side of existing building, with loading docks

Color: Green

Between structures: low growing vegetation, with patches of bare soil, paths

Roadway: Power poles running down middle of R street, asphalt or patchy concrete

15th street and beyond:

North side of tracks (across from Palm Iron)

vacant lot - weeds and stuff

Palm Iron Works:

Footprint:

Location: South side of siding

Front of building (west side) adjacent to 15th street

Purpose:

Type of construction: corrugated sheet metal sides and roof

Special features or signage:

Possible colors:

Footprint next to Palm: 18" wide x 5" deep : scrap yard for Palm

Where R street track starts beyond Palm Iron Works:

R street tower

Footprint: 4" x 4"

Location: Originally, 19th and R

Purpose: Interlocking tower?

Type of construction: Brick

Construction Specifications:

Streets:

Outside rails: Plaster of paris, shaped and textured, painted (colors tbd)
Between rails: .015 styrene painted (color tbd) Needs to be tight to inside of rails, not interfere with wheel flanges and stay put when the cleaning train rolls over it.

Foundations:

All buildings should fit over foundations on the layout. Foundations should be permanently attached to the layout so that the buildings can be lifted off. Foundations may be constructed of styrene or any other material that will not conduct electricity or present warping issues. For example, if you wanted to model a stone/masonry foundation that was visible, then Hydrocal, Plaster of Paris would be an OK material.

Lighting

If a building has windows or open doors, then lighting is highly preferred. Lighting should be permanently attached to the structure, allowing the electric power for lighting to be in contact when the structure is on the layout. Here are some suggested methods for routing the power:

1. Interlocking brass tubes: Using two different sizes of brass tubing, where one fits inside the other enough to make contact, attach the structure wiring to the smaller tubes and position the tubes in separate corners of the structure. Install the larger tubes on the layout at the club and hook to power (insert instructions here on how to hook up to power at club if needed)
2. Sprung brass contacts: Similar to the approach above, but substitute spun copper in corner of structure and separate copper contacts on the club layout.
3. if you have other ideas that might work, feel free to discuss them with Jeff Loose.

Building Interiors:

All buildings should have enough interior walls to prevent the “looking in the front window, see out the back window” situation. Ideally, if the building has lighting, include some basic interior features that would be relevant to the structure.