



Bob's Miniatures

Specializing in Model Railroad Stuff





The purpose of this presentation is to show you how to build an H0 Scale chain-link fence using H0 scale fence products from Bob's Miniatures. This is the second part of a 2-part tutorial. In this part, I will show you how to install your finished fence sections onto your layout.



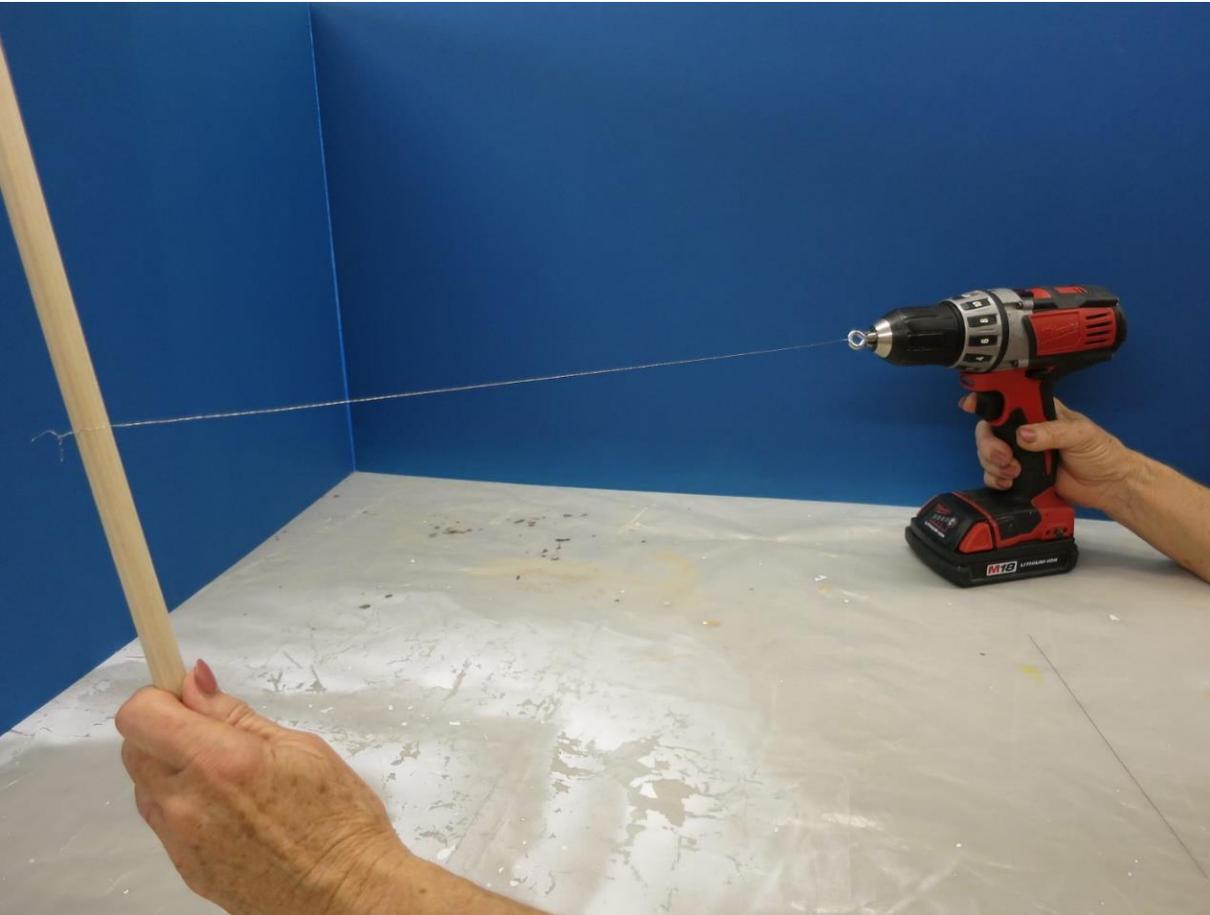
The following instructions are geared for the beginner or the layman with new bench work. You seasoned model railroaders have built, torn down layouts, built again and already pretty much know what you are doing. But tag along anyway, you may glean something.

Don't worry if the video gets a little too fast for taking notes. It will be available on my information website as an Adobe .pdf file that you can down-load and print.

<https://bobsminiatures.com/>

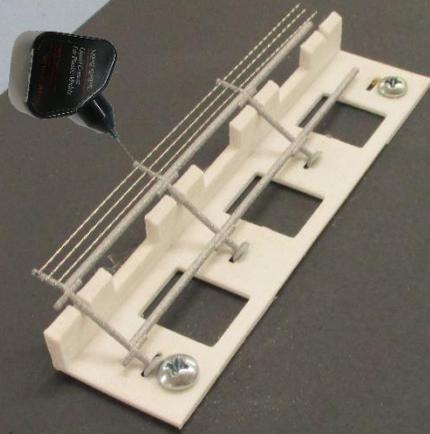
You may want to find a comfortable place to sit as it becomes a little more tedious.

You should have most or all of your mesh sections painted and cut to working size.

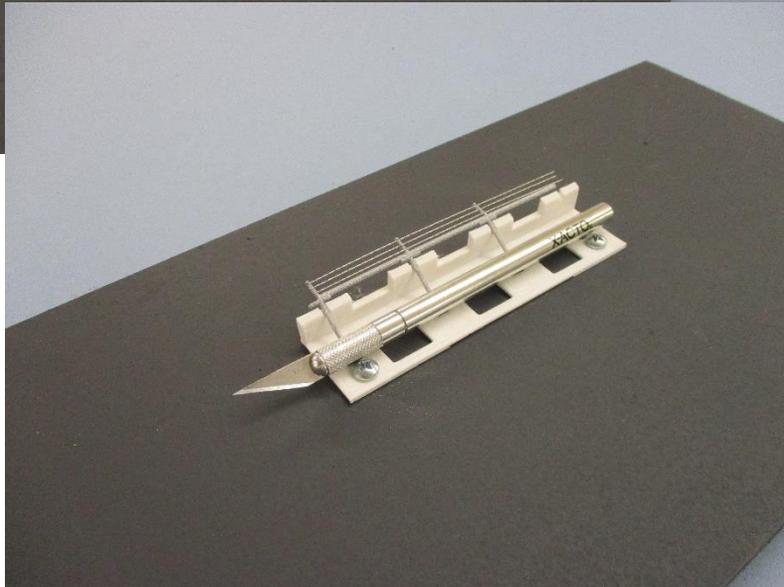


Let's add 3-strands of barbed wire to the tops of our fence. Well, at this scale, you probably can't see the barbs anyway, so let's string wire. The fence looks OK without the wire, but it adds a lot to the looks.

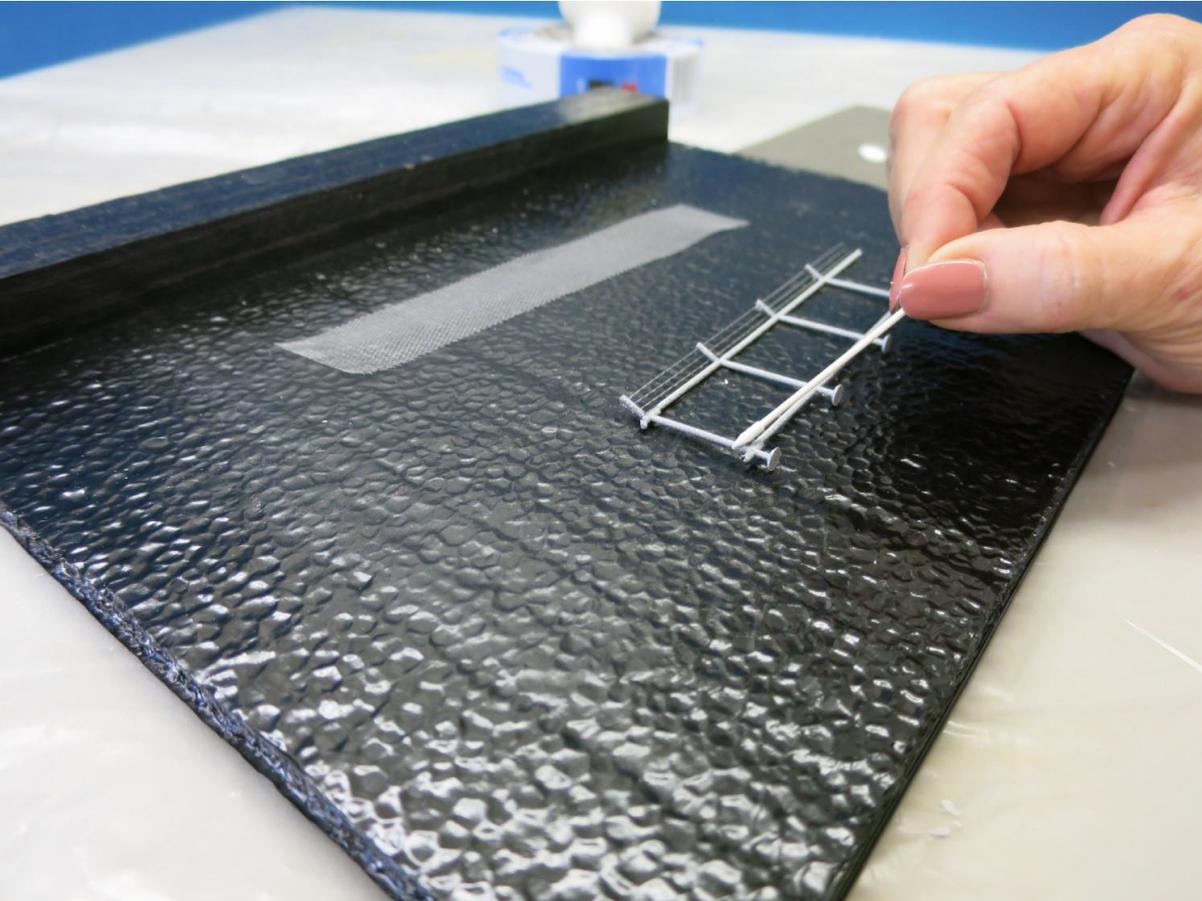
- Be sure to cut off all extra posts and cutoff any rails as needed before gluing on the barbed wire. Attempting to cut the frames, wire and mesh afterwards is tough if not impossible.
- Install a screw eye into the chuck of an electric drill.
- Cut about a 40" length of 32 gauge jeweler's wire, feed an end through the screw eye and then twist the ends together.
- Feed a dowel or pencil through the loop at the twisted ends.
- While holding the drill and dowel so that the wire is taut, activate the drill, and let the two wires twist together uniformly. Don't over-twist or the wire will curl.
- Cut the wire from the drill and dowel and lay aside.
- Repeat this procedure until you have at least enough "barbed wire" to go around your fence perimeter 3-times.



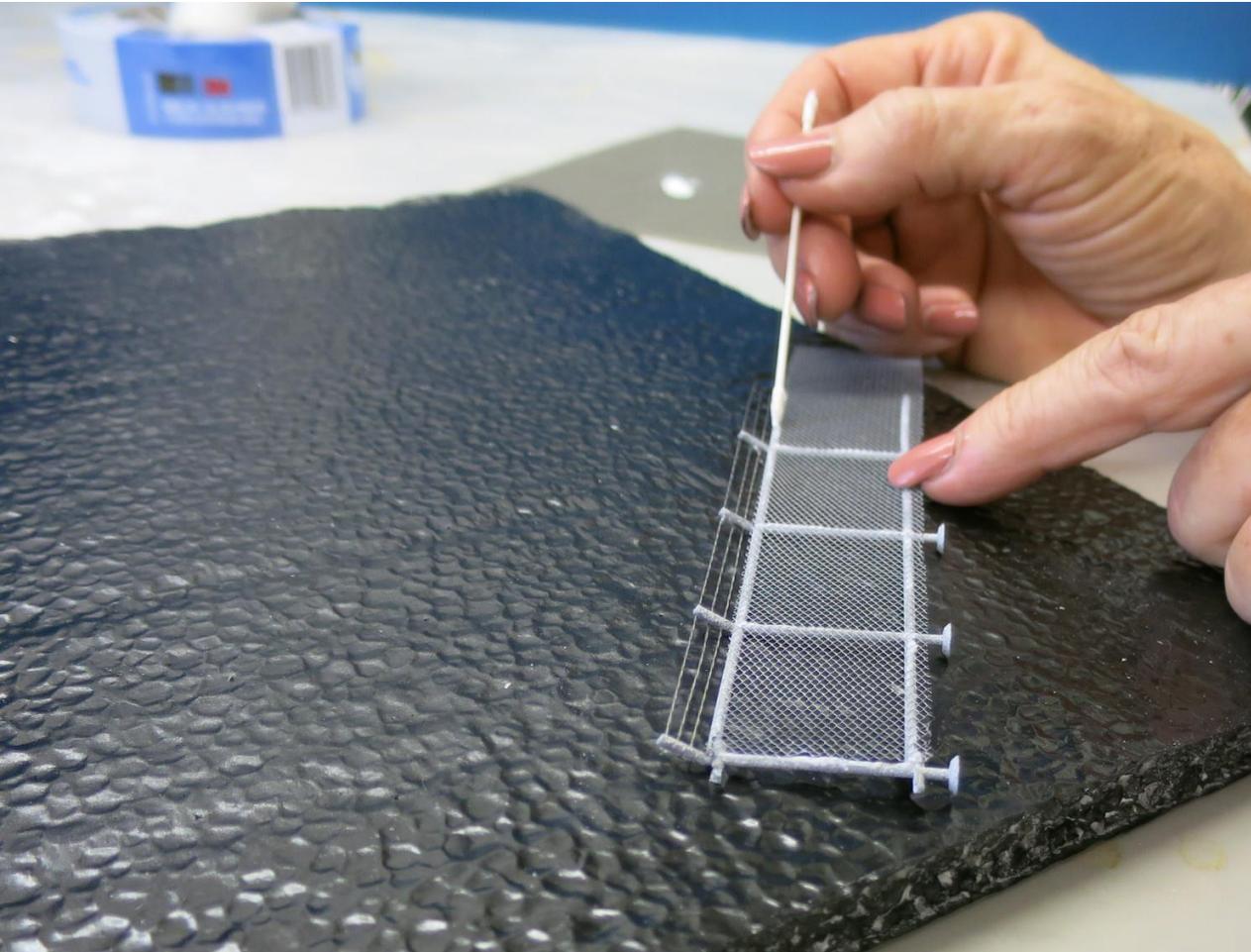
I lay an Exacto knife across the bases for added ballast as the fence sections are feather light.



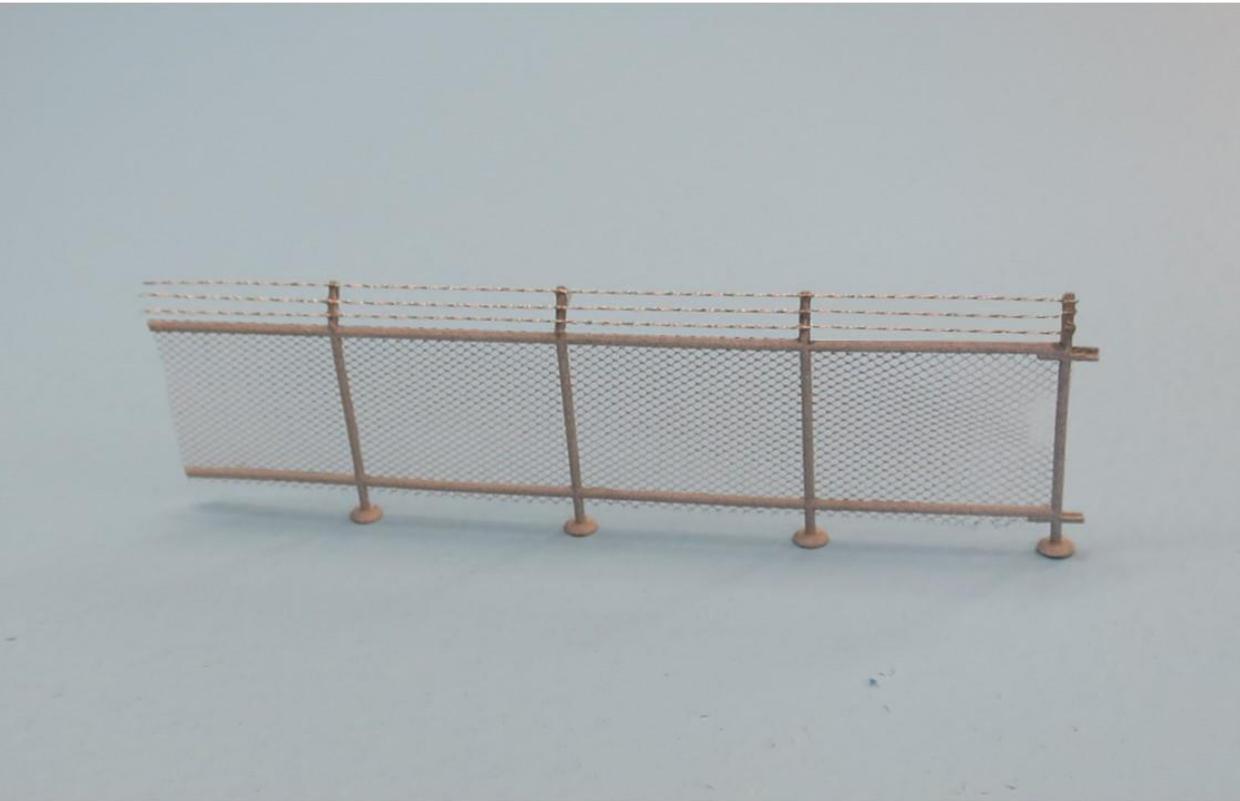
- A Fence Frame Holding Jig to hold your work while installing the “Barbed Wire” across the top of the fence is also offered for sale. This comes in handy to keep both hands free.
- Cut a section of twisted wire approx. 1” longer than the fence section and lay it in the notches across the top of the posts.
- Add a drop of model glue or Super Glue to each notch where the wire crosses the fence post. I use Model Master’s plastic model glue. The glue will stick to the painted wire and fence post.
- Cut a second length of wire in the same manner as the first, but place the wire across the posts slightly higher than the bend and glue it in place as you did the top wire.
- Cut a third length of wire in the same manner as the first, but place the wire across the posts as close to the middle as possible with equal distance between the upper and lower wires. Let dry for about half an hour between wires.
- Trim each wire flush at the outside fence post. Leave the extra wire where there is no post as it will be connected to the next fence section later.



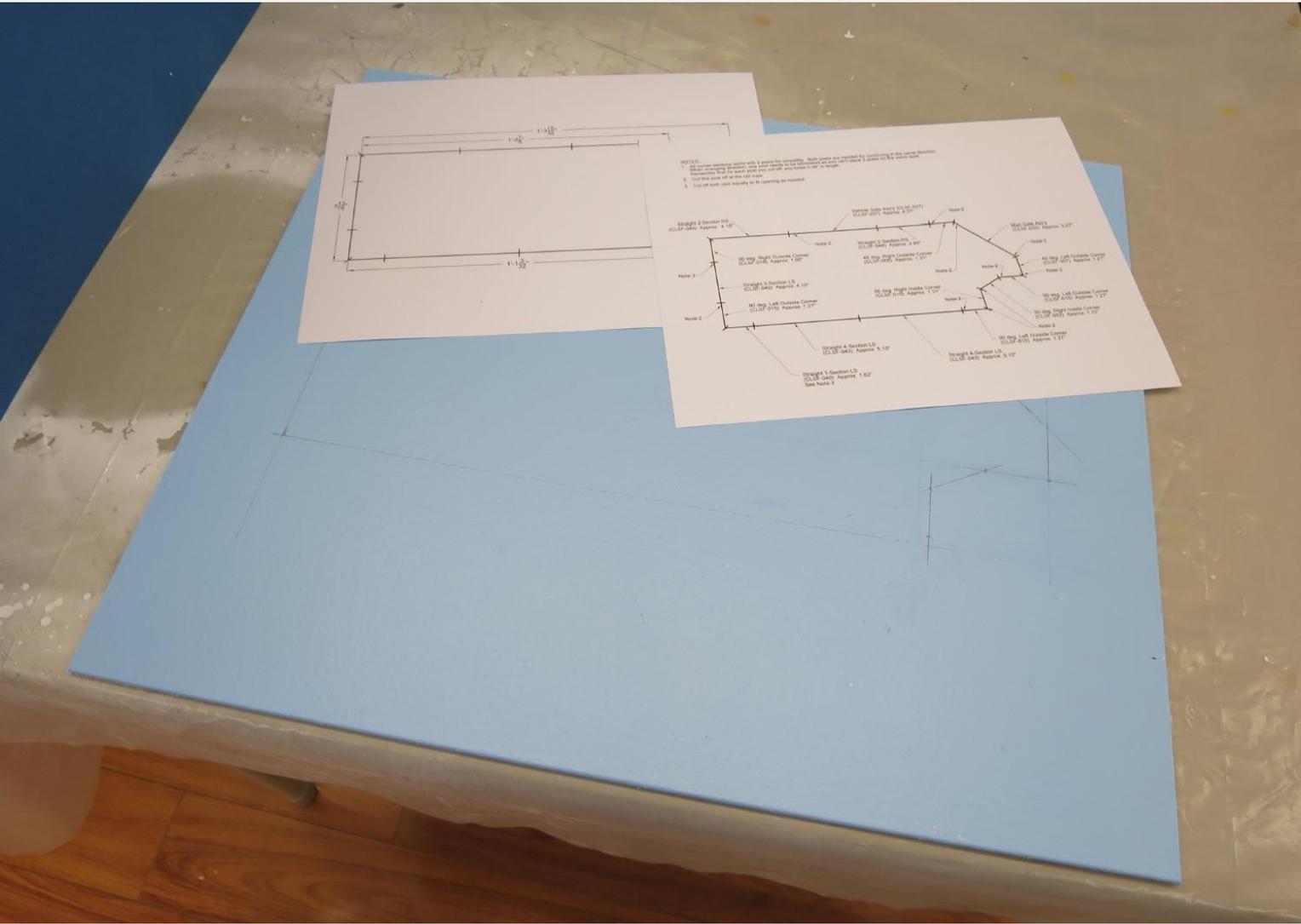
- Take one of your painted frames and lay it down with the barbed wire arms up. This is the outside of the fence.
- Lay a section of mesh across the frame to be sure it fits. If it is adequate, set the section of mesh aside.
- Cut out a piece of waxed paper or tin foil wrap about 6" x 6" to use as a glue staging area. In the next few steps it is important to work quickly as the glue will dry fairly fast. I use a gluing mat to pool the glue.



- Pour a few drops of white, clear drying glue onto your glue staging area (foil wrap or wax paper). I use either Elmer's white glue or Woodland Scenics Scenic Glue.
- Quickly swab on a fairly generous amount of glue over the entire front of the frame from the staging area with a mini swab. I use Tamiya cotton craft swabs.
- Quickly, but carefully align the section of mesh that you set aside onto the frame with the long edge along the top rail and the end edge the first post. Try not to wrinkle the mesh. If you do, push or pull the wrinkle out before the glue dries. The mesh needs to be relatively taught across both directions of the frame. When the glue dries, cut off the excess mesh along the ends of the rails with a pair of scissors or with an Exacto knife along the second post if there is one. The mesh should extend slightly below the bottom rail.



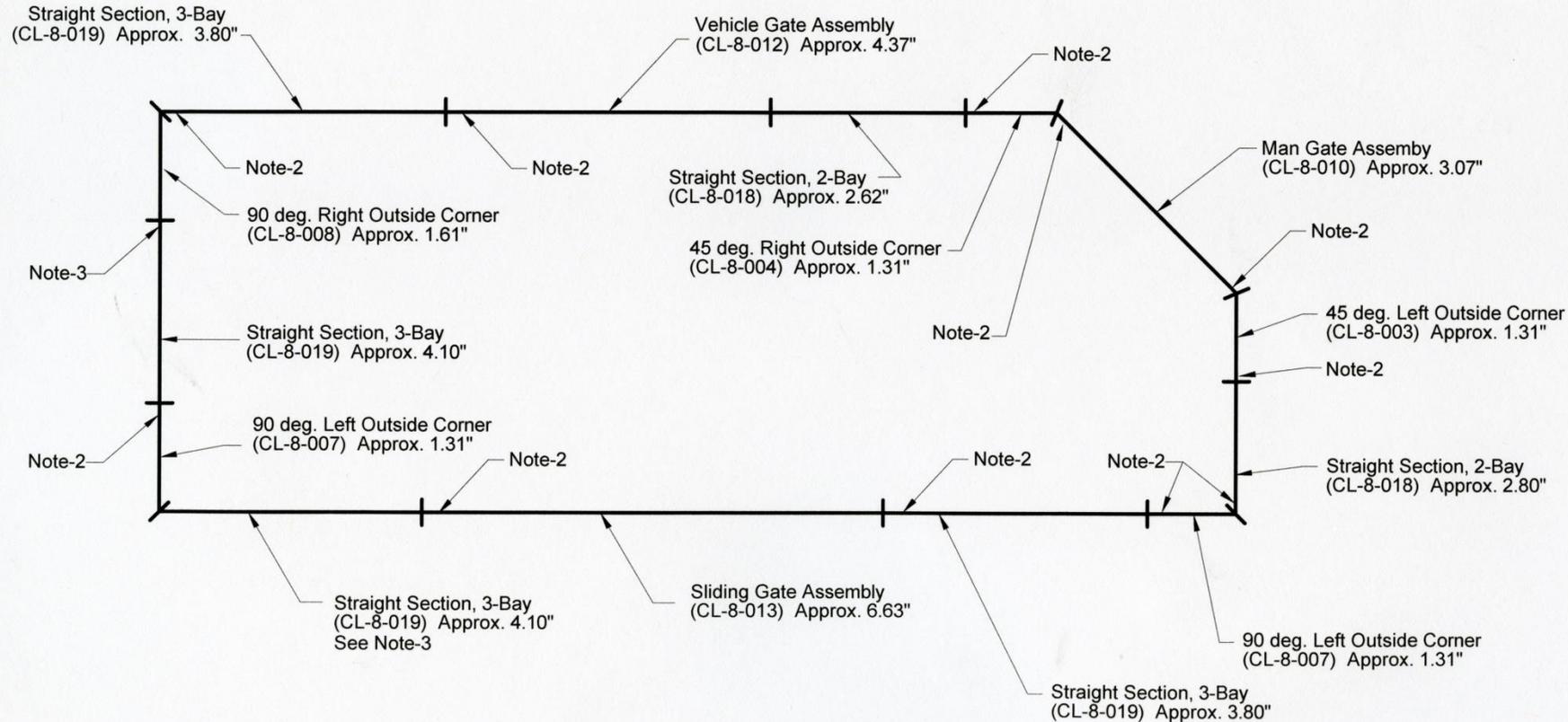
Continue the above barbed wire and mesh procedures for of all of your fence sections.



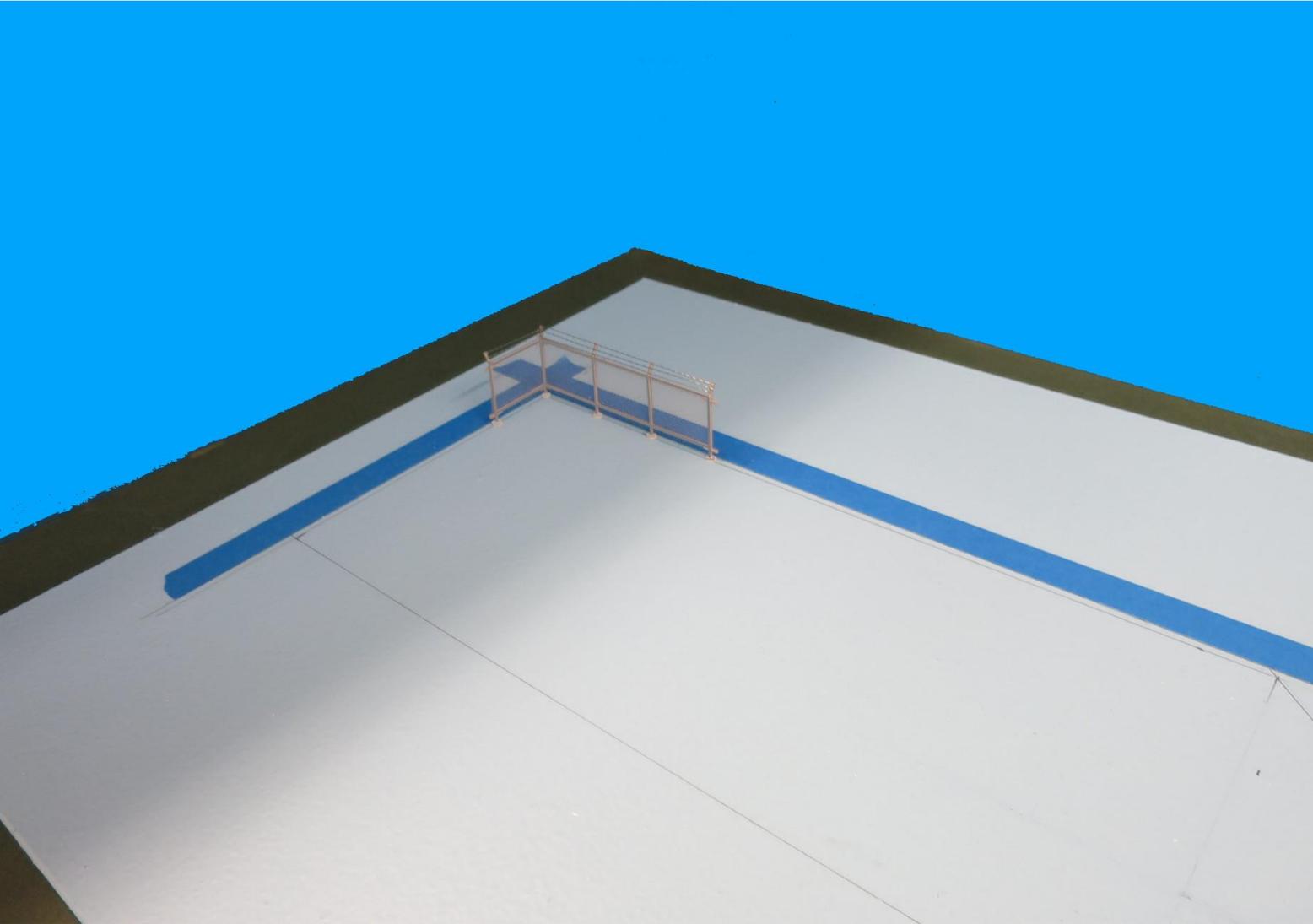
I don't need another chain-link fence at this time, so I have prepared a small diorama on a piece of hardboard to install my fence for this tutorial.

NOTES:

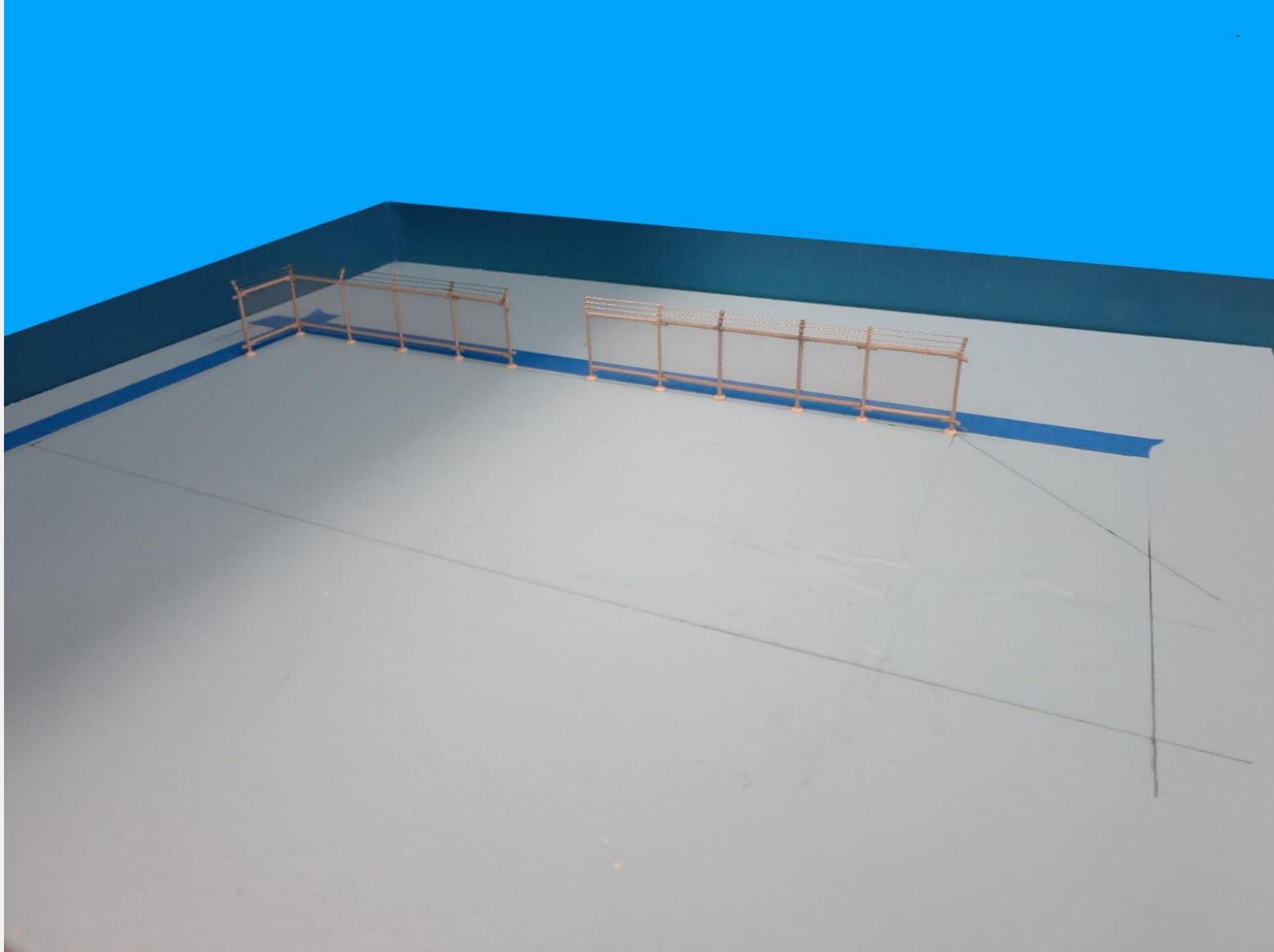
1. All corner sections come with 2-posts for versatility. Both posts are needed for continuing in the same direction. When changing direction, one post needs to be eliminated as you can't place 2-posts on the same spot. Remember that for each post you cut off, you lose 0.30" in length.
2. Cut this post off at the rail cups.
3. Cut off both rails equally to fit opening as needed.



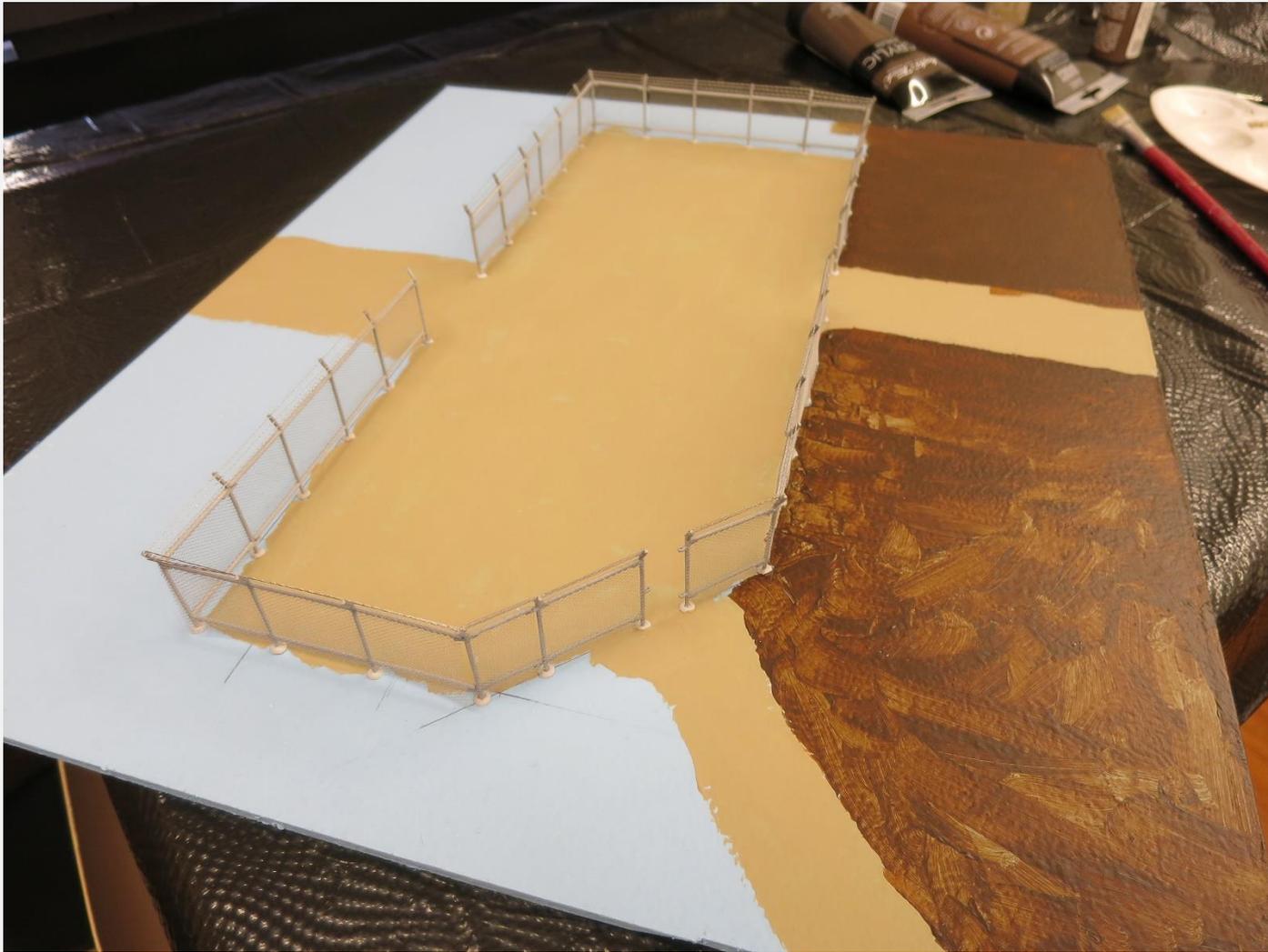
I will use this schematic that I prepared earlier to guide our way along.



- Start at one corner and lay a strip of 1" blue painters tape parallel and 1/8" outside your perimeter line. This will give the base an edge to bump up against and center the base on your perimeter line.
- Glue down the first corner piece onto the construction line and let dry. I use Woodland Scenics Scenery Glue.
- Glue down the adjoining corner section making sure the "barbed wire" is laying on top of each adjoining wire and each rail is glued into its matching cup.
- After the glue has dried, glue each "barbed wire" to the corner post. After this glue dries, cut off the extra wire with side cutters.

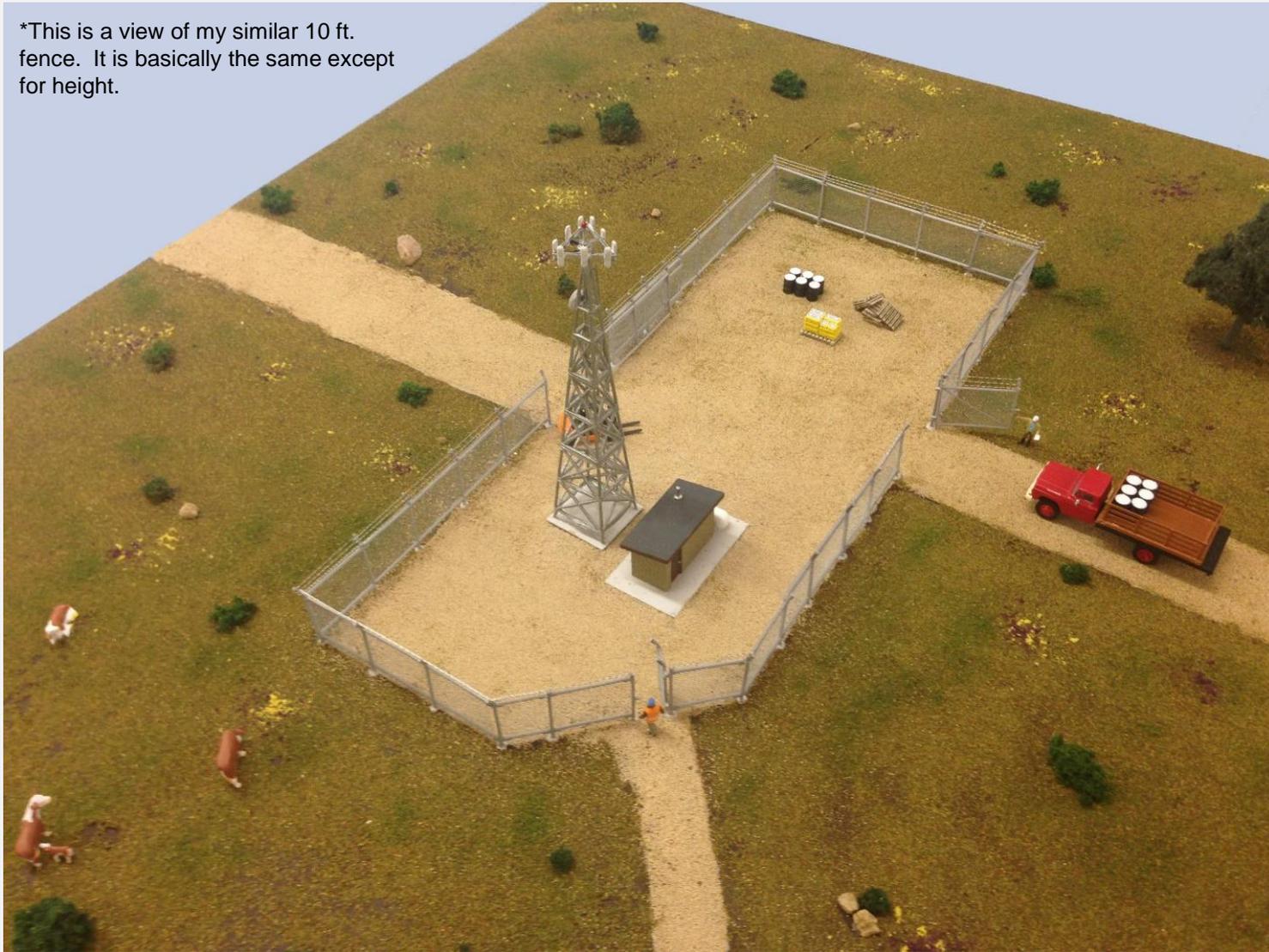


Continue this procedure around the entire perimeter. You're not building a watch, so fudging short or over the line at the turns is permissible as long as the fence remains straight and uniform.



Paint on an underlayer of similar color as your desired turf.

*This is a view of my similar 10 ft. fence. It is basically the same except for height.



Hang the gates in place in an open or closed position of your choice.

On my sample diorama, I used Woodland Scenics Fine Earth Turf for the dark grass and Fine Buff Tab Ballast for the gravel area. Then I sprinkled on some Blended Green turf for contrasting vegetation.



My sample diorama represents a cell tower facility set in a cow pasture.

Use your imagination for a chain-link fence in scores of different ways that require security.



Many of the track-side accessories shown on my sample diorama are on my website.

<https://bobsminiatures.com>



Please Visit My Shop at:

<https://www.bobsminiatures.com>

OR

<https://www.shapeways.com/shops/bob-s-miniatures>



End of Presentation
Thanks for viewing

