

Building your own whelping box

Beta version July 2011

Materials	cost	Source
4' x 8' sheet coroplast	\$36.51	West Texas Plastics, Inc (it was \$110 at Lowes', find a plastics company!)
Power Grab tub surround glue	\$4.97	Lowe's
PVC pipe 3/4' x 5 ft, x4 pipes	\$6.40	Lowe's
PVC end caps press on, x 8	\$2.80	Lowe's
copper rivets, X8	\$6.08	WestLake Hardware
Plastic edging 8' , x2	\$4.56	Lowe's
Silicone caulk for sealing edges	we had some.....	-
mat used under exercise equipment	\$19.00	Walmart

Tools

heavy duty scissors to cut coroplast sheets

4' metal straight edge, T-square, tape measure

markers - pencil and/or pen

scoring tool to initiate bend in plastic - must crush each corrugation separately before the sheet will bend against the straight edge

rivet tools, hammer

C-clamps (and/or big paper clips) to hold the pieces while the glue sets

clear plastic packing tape to support pieces while glue sets, weights to hold pieces while glue sets

PVC pipe cutter

Assembly

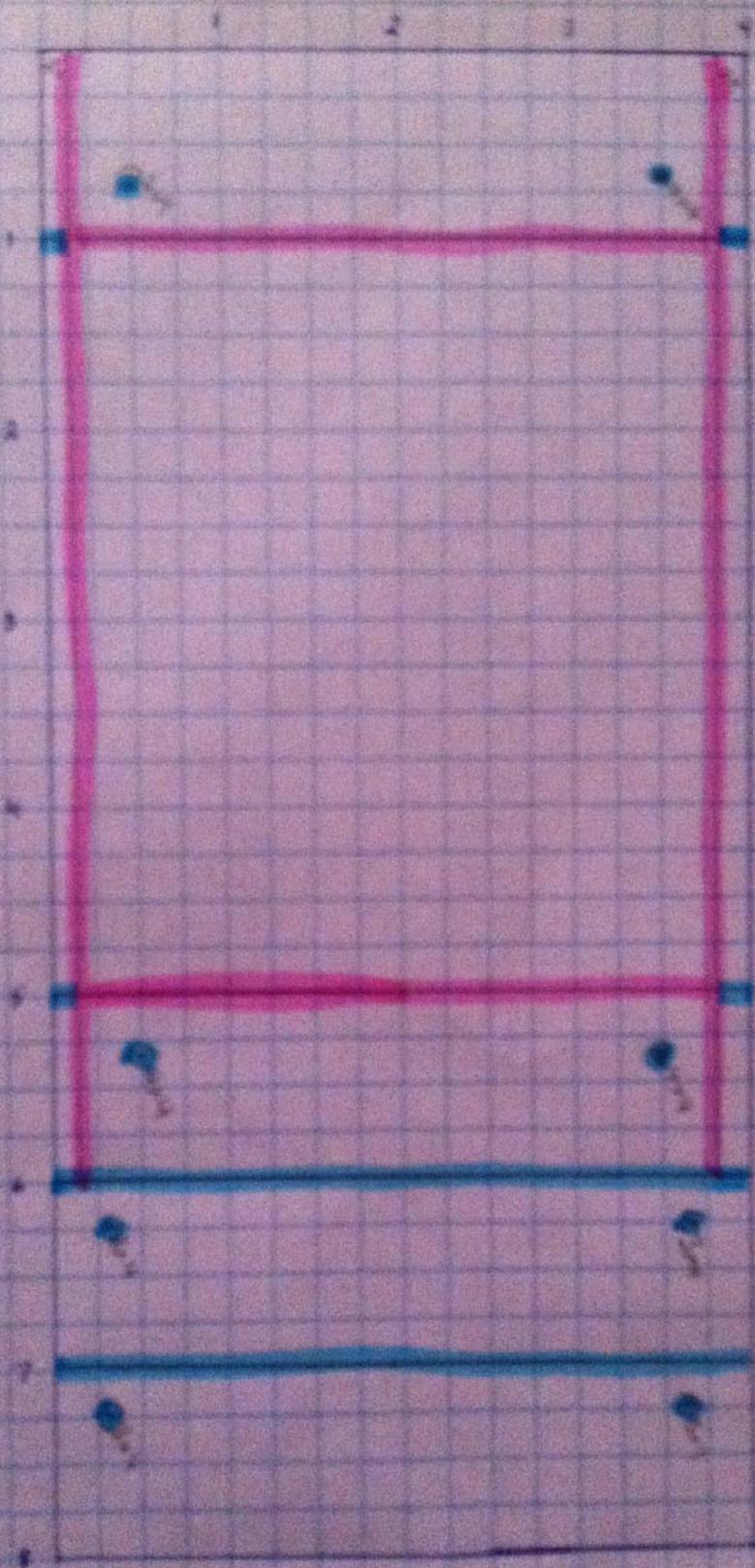
1. Using the tape measure, T-square, and straight edge, draw lines across the coroplast at 1 ft, 5 ft, 6 ft, & 7 ft
2. Cut with scissors along the 7 ft and 6 ft lines to make two 1 ft x 4 ft sections. Set them aside. That leaves a coroplast piece that is 4 ft x 6 ft
3. Draw a line at 2 in (width of the straight edge) from the margin along each 6 ft edge of the coroplast.
4. Score along 1 ft line. Be sure to crimp each corrugation without puncturing the surface. Then fold the ends up, using the straight edge.
5. Score along the 2 in lines and fold against the straight edge. This is much easier than step 4, as you can choose a channel to score along.
NOTE: Score the end strips one corrugation closer to the edge, to allow room for overlap. This will make a neater corner.
6. Cut with scissors 2 inches in, on both sides, along the bend line of the end sections
7. Fold up the 1 foot sides, fold up the bottom 2 inch support flaps, apply glue and hold corners with C-clamps while glue sets.
Wait a couple hours.
8. Lay box on its end, apply glue, lay in a 4 ft x 1 ft end section (trimmed if necessary to fit smoothly,) apply weights, let it set for a couple hours
Lay box on its other end, do the same for the other end.
9. Use an ice pick to make hole in plastic for the rivets at the corners
10. Insert rivets, once at each upper corner and one at each lower corner. Stand the box on its end and use rivet tools and hammer to set the rivets
11. Let everything set overnight
12. Make holes 4 in from the corners for the PVC pig rails, using ice pick and scissors
- put one set of rails parallel at 3" above the floor and the other set of rails 4" above the floor
13. Measure the pipes and cut with pipe cutter so that one inch of pipe sticks out of either side of the box
14. Insert pipes, press on the rounded plastic end caps to secure the pipes and protect shins from being barked by sharp ends of pipe
15. Cut edging to fit top edges of box, press into place to cover sharp edges
16. Put exercise mat under box, place bedding in box as desired, insert momma, wait for puppies to arrive
17. Add water and stir.

Borzoi del Sol

Susan Van de Water & Aenone Simpson

www.borzoidelsol.com

1' H x 3'8" W x 4' L Box



Sew a Fold
Sew a Seam



1. Using the tape measure, T-square, and straight edge, draw lines across the coroplast at 1 ft, 5 ft, 6 ft, & 7 ft
2. Cut with scissors along the 7 ft and 6 ft lines to make two 1 ft x 4 ft sections. Set them aside. That leaves a coroplast piece that is 4 ft x 6 ft



3. Draw a line at 2 in (width of the straight edge) from the margin along each 6 ft edge of the coroplast.

4. Score along 1 ft line. Be sure to crimp each corrugation without puncturing the surface. Then fold the ends up, using the straight edge.





5. Score along the 2 in lines and fold against the straight edge.
This is much easier than step 4, as you can choose a channel to score along.

NOTE: Score the end strips one corrugation further towards the edge to allow room for overlap will make a neater corner.

6. Cut with scissors 2 inches in, on both sides, along the bend line of the end sections



7. Fold up the 1 foot sides, fold up the bottom 2 inch support flaps, apply glue and hold corners with C-clamps while glue sets.
Wait a couple hours.



You can use paperclips and clear packing tape to support the corners while the glue sets



8. Lay box on its end, apply glue, lay in a 4 ft x 1 ft end section (trimmed if necessary to fit smoothly,) apply weights, let it set for a couple hours
Lay box on its other end, do the same for the other end.



We used the Power Grab tub surround adhesive, since it should be waterproof, etc. However, we discovered that it is NOT an immediate bond, even though the tube claimed that it is immediate. We also chose something that claimed to be low odor, since we thought that outgassing of hydrocarbons was probably not good for babies. You will have to see what is available at your local store and do the best you can. If you can find a low-odor immediate bond plastic glue, go for it.



9. Use an ice pick to make holes in the plastic for the rivets at the corners
10. Insert rivets, once at each upper corner and one at each lower corner. Stand the box on its end and use rivet tools and hammer to set the rivets. The 3/4 inch rivets were used where there were 3 layers of coroplast to go through, the 3/8 inch rivets were used where there were only 2 layers

NOTE: this rivet step may not be necessary if you use an immediate bonding plastic glue, instead of the bathtub surround cement that we used. However, it would make sense that adding the rivets would add strength to the entire assembly, which might be helpful if you have a rambunctious momma.

11. Let everything set overnight



12. Make holes 4 inches from the corners for the PVC pig rails,
- put one set of rails parallel at 3 inches above the floor and the other set of rails 4 inches above the floor
13. Measure the pipes and cut with pipe cutter so that one inch of pipe sticks out of either side of the box
14. Insert pipes, press on the rounded plastic end caps to secure the pipes and to protect shins from being barked by the ends of the pipes



