

The course boards are made from 5/32 inch Coroplast, water pipe and fittings. The layouts are available from my FTP site and they are in one to one scale. You should be able to take the pdf files to Staples or any other store that has large scale plotters. An AutoCad drawing is also available from my FTP site which will help you if you have access to AutoCad. I've uploaded 4 YouTube movies demonstrating the charlie and course boards. Here are the links to the YouTube movies:

<http://www.youtube.com/watch?v=bdGUAGQyr20>

<http://www.youtube.com/watch?v=Wj1DiEWJzOs>

[http://www.youtube.com/watch?v=\\_EieomWsUK4](http://www.youtube.com/watch?v=_EieomWsUK4)

<http://www.youtube.com/watch?v=NptXvlfeCY0> The

FTP site contains also front and back photographs:

[Front of course board](#)

[Back of course board](#)

[Front of Charlie Board](#)

[Back of Charlie Board](#)

I painted one side of the movable parts with a black paint. Clean the movable Coroplast with Varsol before painting them with a black plastic paint. The movable parts are kept in place with about 3/32 inch shock cord. Make sure that a flute is in the centre of the movable parts to feed the shock cord through. This is to ensure that the piece is symmetrical and the shock cord ends up right in the centre.

A slot must be cut in the pipe and the 90 degree fitting to make a frame to hold the Coroplast. Velcro strips are used to tie two boards together.

Materials used:

1. Home Depot Charlotte Pipe 1/2 in. x 10 ft. PVC Schedule 40 Plain End Pipe  
Model # PVC 04005 0600 Store SKU # 193682



2. NIBCO 1/2 In. PVC Schedule 40 / 90 Degree Elbow  
Model: C406005 | Store SKU: 1000166792



3. 5/32 coroplast

4. RUST-OLEUM SPECIALTY Paint for Plastic – Black Model: 212032 | Store SKU: 1000179546

The panels can be linked together with Velcro or rope.

Here is the link to the course board FTP site:

[Peter van Muyden race management tools/Course Boards](#)