## APPENDIX A: RAINBOX CONSTRUCTION

## Materials List (Quantity in parentheses)

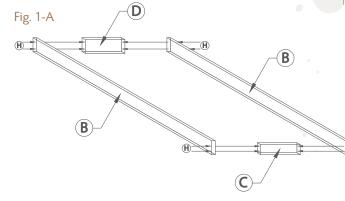
- (1) <sup>7</sup>/<sub>16</sub>" Thick Plywood, 41" x 93%"
- (2) 1" x 3" Boards, 41" long
- (1) 1" x 2" Board, 7 %" Long
- (1) 1" x 3" Board, 7 %" Long
- (2) <sup>7</sup>/<sub>16</sub>" Thick Plywood, 1" x <sup>43</sup>/<sub>16</sub>"
- (1) <sup>7</sup>/<sub>16</sub>" Thick Plywood, 9 3/8" x 1 5/8"
- (1) ¾" Diameter Plastic Outfall Tube
- 1½ " Long, Small Wood Nails
- 1" Long, Small Wood Nails
- Polyurethane Wood Sealant W/ Gloss Finish

## **Tools List**

- Hammer
- Wood Glue
- Sand Paper
- Black Marker
- 2" Paintbrush

## Instructions

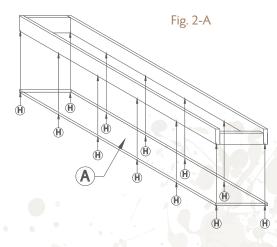
- 1. Cut all boards to size per materials list and lightly sand.
- Using marker & straight edge, draw solid black line 2" from bottom of boards "B" & "D."
- 3. Assemble frame as shown in Fig. 1-A using wood glue & nails specified.
  - Bottom of boards "C" & "D" shall be flush with bottom of the "B" boards.
  - b. Top of "D" board shall be flush with top of "B" boards.
  - c. Top of "C" board shall be flush with line drawn from Step 2.





The rainboxes can be used for many years once they have been built and provide a scaled way to demonstrate erosion principles and practices.

4. Attach board "A" to bottom of frame built in step 3 as shown in using wood glue & nails specified Fig. 2-A.



- 5. Attach boards "E" at an angle as shown in Fig. 3-A using wood glue & nails specified.
  - a. Outer edge of boards "E" shall be flush with top of board "C".
  - b. Inner edge of boards "E" shall be angled as such the bottoms are 1½" from bottom of box and having roughly a 1" space between them.

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