

Grass Reinforcement Mesh

For Your Home

Can't stand mud?

A polyethylene grid placed directly on grass and secured with metal U-Pins or plastic pegs. It helps stabilize the grass so that it can handle much more traffic without damage.

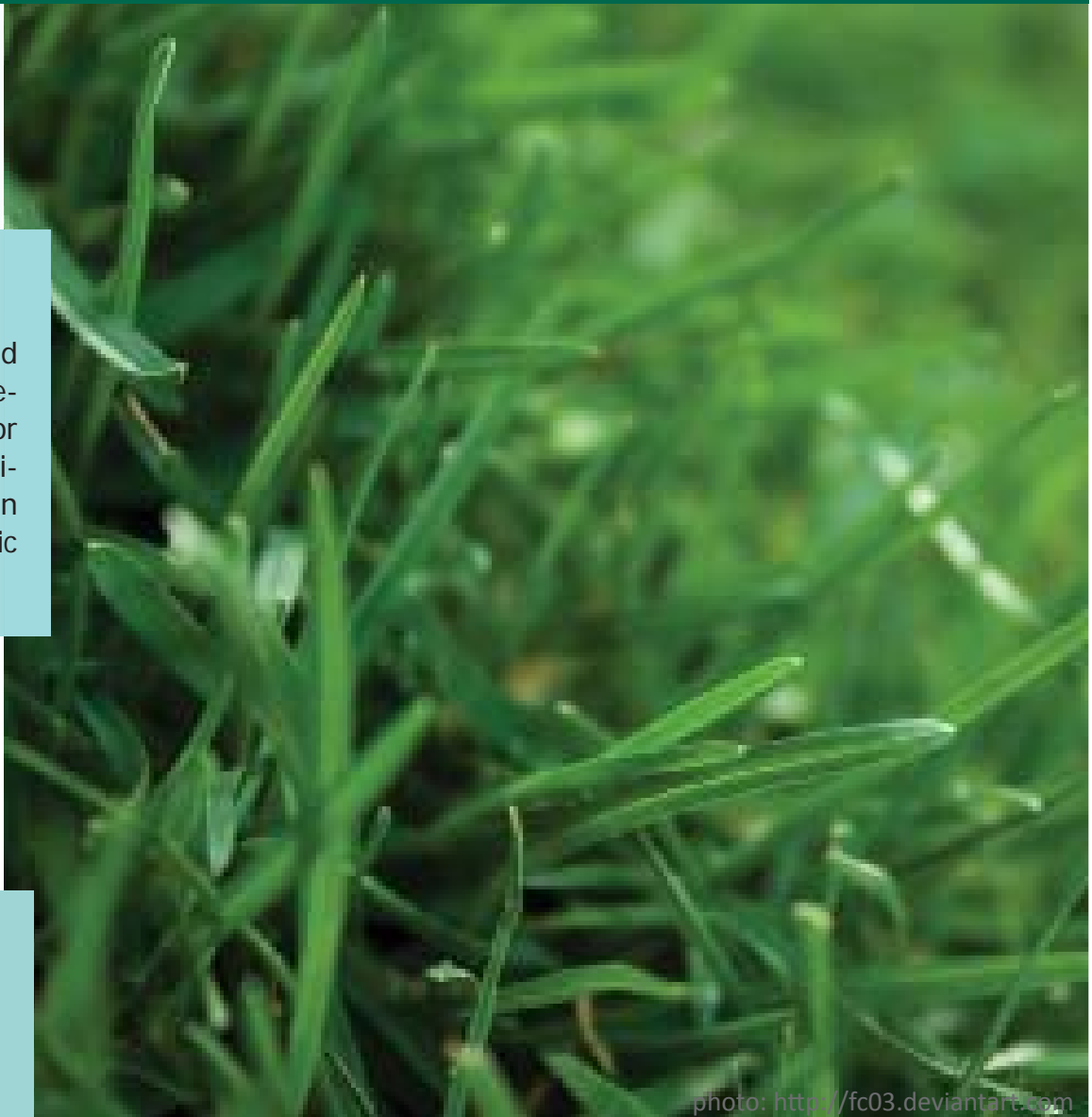


photo: <http://fc03.deviantart.com>

A polyethylene grid placed directly on grass and secured with metal U-Pins or plastic pegs, the mesh helps stabilize the grass so that it can handle much more traffic than a unprotected lawn, without damage. There are several grades of mesh, some of which are suitable for driving/parking vehicles and some of which is designed for foot traffic. The mesh can be used for everything from additional parking for a special event to a permanent patio.

Cold Climate Considerations:

Most varieties of this grass mesh can withstand temperatures below -50 F. They should not be plowed during the winter, but they can be shoveled.

Materials:

- Grass reinforcement mesh
- Metal U-Pins
- Grass seed (if starting a new lawn)

Tools:

- Lawn mower

Steps:

1. Mow the grass on an established lawn. For a newly sown area the only preparation is to make sure the soil is well consolidated. The area can be sown before or after the mesh is in place.
2. Unroll the mesh over the selected area and let it stand for at least one hour to help it flatten out.
3. Secure the mesh to the ground with metal U –Pins:
 - a. Secure U-Pins along the middle of the mesh every three to six feet.
 - b. Make sure to secure the perimeter of the mesh every twelve to twenty inches with the metal U –Pins.
 - c. To join two sections of mesh, secure the two ends together with the metal U –Pins every twenty inches along the seam.
4. Do not use the area until the grass has grown through the mesh. This can take up to four weeks.
5. Once the grass is long enough to mow, set the mower blades at a relatively high setting to prevent the blade from cutting the mesh. Once the grass has completely grown around the mesh, the grass can be cut normally.

Maintenance:

- Mowing the grass as it grows up around the mesh.

Cost Estimate:

- About \$1.25 per square foot.

Time Estimate:

- The project should take about six hours depending on the size of the area.

Pros:

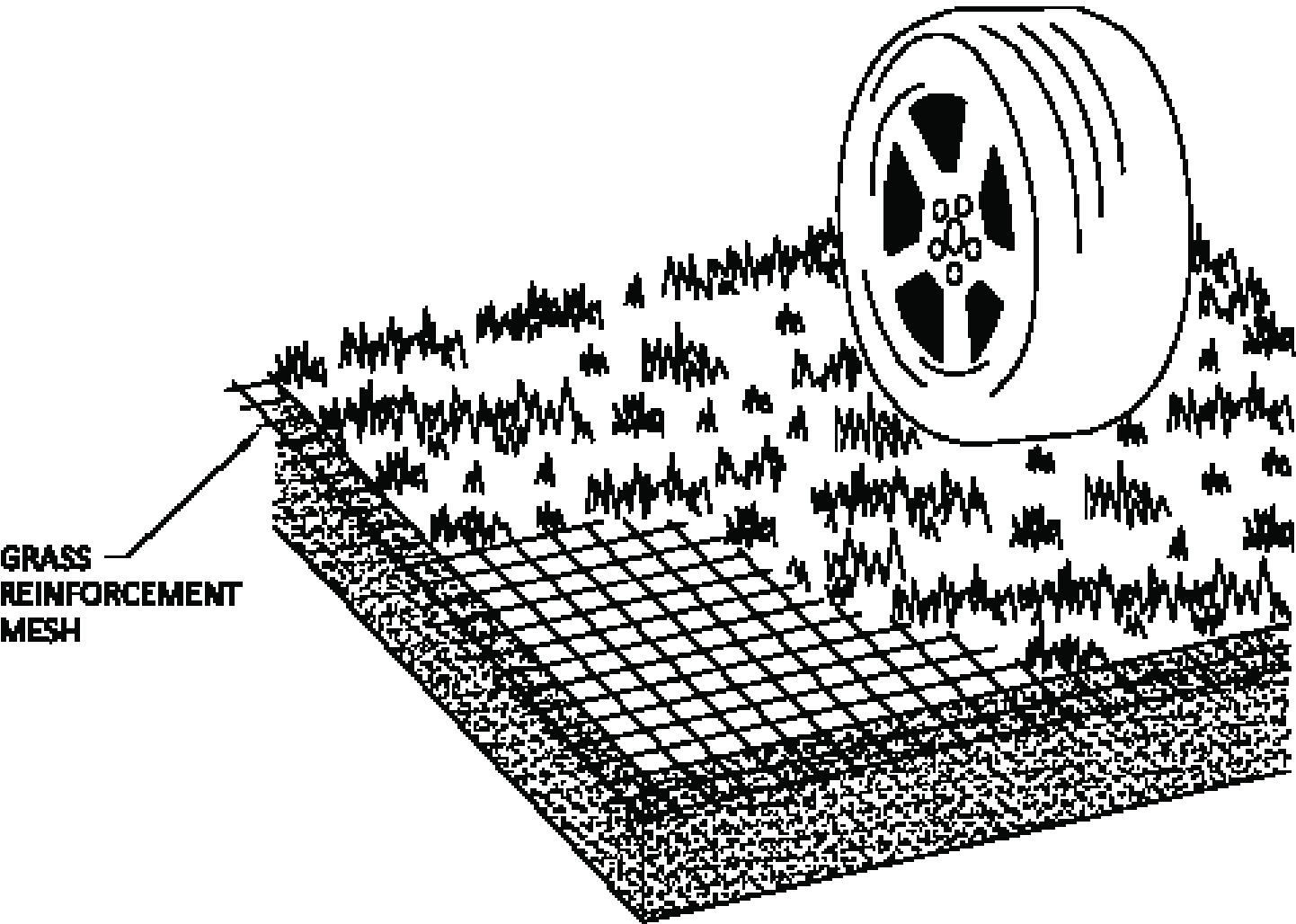
- Reduces water runoff.
- Increases groundwater infiltration.
- Can be used to control mud problems.
- Aesthetically pleasing.
- Increases property value.
- Homeowner can install without assistance.
- No excavation or soil removal is required.

Cons:

- May not be able to use snow plows over the mesh.
 - Have to buy a minimum amount.
-



Ground leveled, with mesh layed out prior to pinning.



For more information about the Green Infrastructure Project please visit: www.cchrc.org/green-infrastructure

Sources:

Boddingtons Ltd, GrassProtecta® Grass Reinforcement Protection Mesh
<http://www.grass-reinforcement.com/>



COLD CLIMATE HOUSING RESEARCH CENTER
CCHRC



GW Scientific