iFixit

GI Node Installation Guide

How to install a green infrastructure node to monitor infiltration performance.

Written By: Brooke Mason

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TOOLS:

- Shovel (1)
- Tape Measure (1)
- Hedge shears (1)
- Bucket (1)
- Cell phone (1)
- Post hole digger (1)

PARTS:

- GI Node (1)

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Step 1 — Select install location

- Locate a spot in the middle of the rain garden where the soil is bear/free from plants.

- (i) We need to install in the middle of the rain garden to ensure quality data.

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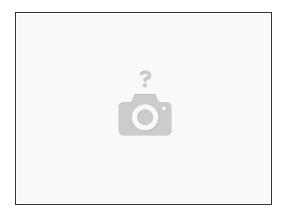
Step 2 — Auger hole for node

- At the selected location, use a post hole digger to make a hole for the node.

ⓘ Take your time so as to not disturb the soil too much.

- Use a tape measure to make sure the hole is 3 feet deep.

ⓘ The soil removed from the hole will fill roughly 2 buckets

- Fill the first bucket with topsoil

- When the soil begins to look like clay, switch to filling the second bucket

Step 3 — Install GI node

- Set the GI node into the 3 ft hole.

- (i) Do your best to make sure it is straight in the ground.

- Pack the topsoil from the first bucket around the node to make sure it is secure in place. You shouldn't need to use any soil from the second bucket

- (i) If the surrounding plants are too tall, shading the solar panel, use the shears to trim the plants.

Step 4 — Confirm GI node is reporting

- Fill out the deployment form on AirTable.

- Once installed, confirm the GI node is reporting to the internet by going to its designated website.

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