Irrigation

Things to consider when planning your irrigation systems and methodology
- What are the water needs of the different plants in your garden?
- Will your garden change?
- What types of environmental exposure is the soil in your garden or yard exposed to?

<table>
<thead>
<tr>
<th>PVC</th>
<th>Black Polyethylene Tubing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pros:</strong></td>
<td><strong>Pros:</strong></td>
</tr>
<tr>
<td>• Can have a long life if properly installed and left undisturbed from external forces and tampering</td>
<td>• The flexibility of this type of tubing will allow the irrigation lines to be moved should the needs of watering in your yard change</td>
</tr>
<tr>
<td><strong>Cons:</strong></td>
<td><strong>Cons:</strong></td>
</tr>
<tr>
<td>• Will likely be damaged if accidentally struck while digging in your yard</td>
<td>• Exposure to sun can affect the life of these lines</td>
</tr>
<tr>
<td>• The rigid structure of this material will not allow for restructuring of its organization, without more intensive remodeling</td>
<td>• If placed underground, this tubing is not immune from animals that may chew on this</td>
</tr>
</tbody>
</table>

Types of Emitters

**Porous Pipe**
- A form of drip irrigation, this is a water smart answer that will efficiently emit water along the route of the line

**Pre-installed emitters**
- A water efficient form of irrigation, these lines will focus drip watering only at pre-determined intervals

**Sprinklers**
- Good at covering a large area with water, this irrigation method is good for densely planted gardens, though much of this water is vaporized upon emittance

**Punch-in emitters**
- This form of drip irrigation focuses drops of water anywhere along the line you decide

ajo_csa

Ajo Center for Sustainable Agriculture

ajocsa.com