

# Volunteer Plan

## Contact us:

For any questions not answered in this document, contact Site Manager Nuruddin at [nuruddin@beecrossing.org](mailto:nuruddin@beecrossing.org) or on our website <https://beecrossing.org/contact-us/>

**Construction Date:** 05/15/2021

## Table of Contents

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<b>Table of Contents</b>	<b>1</b>
<b>Teams</b>	<b>2</b>
Team Roles:	2
Equipment Used (by Team)	3
<b>Construction Overview</b>	<b>4</b>
Order of Events:	4
Construction Procedures:	4
Schematics	5
Matching Plaques & Posts	7
<b>What to Expect</b>	<b>8</b>
Arrival	8
Work Environment	9

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# Teams

## Team Roles:

There will be teams of volunteers to maximize efficiency. The teams will be as follows:

- Team Auger (Requires at least 2 people 18 years or older)
- Gravel Dumpers
- Postal Lumberers
- Compact Crew
- Assembly Team (requires driller to be 14 or older)

### **The roles of each teams are:**

**Team Auger:** Use the auger to dig holes and clean the holes for the *Gravel Dumpers* and *Postal Lumberers*

**Gravel Dumpers:** Transport the gravel when needed utilizing buckets and help fill in the holes with *Postal Lumberers*

**Postal Lumberers:** Haul and place posts in the holes made by *Team Auger* and assist *Gravel Dumpers* in filling the hole.

**Compact Crew:** As each hole is filled with gravel, compact it using a ground tamper as much as possible.

**Assembly Team:** Install the Solar LED's in the proper locations along with the proper plaques. This requires referencing a schematic often and being SURE in where you are installing.

## Equipment Used (by Team)

<b>Universal</b>	Gloves, Work shoes/Boots, Work pants, Mask,
<b>Team Auger</b>	16-inch bit Auger (with gas), Trowel, Pickaxe, Mattock, Meter stick/ Measuring Tape
<b>Gravel Dumpers</b>	Home Depot Buckets/5 Gallon Buckets
<b>Postal Lumberers</b>	Measuring Tape, Level
<b>Compact Crew</b>	Ground tamper, Sledge hammer
<b>Assembly Team</b>	Portable drill & drill bits, Screws
<b>Preparation/Clean-up</b>	Waste bags, Trash bags

### Clarification & Important Notices

**Volunteers are only expected to bring items in the *Universal* category**

*Universal* equipment is the only equipment **that will not be provided**. However, any of these equipment is welcomed to be donated/brought over on construction day. We highly encourage you to **label your own equipment!**

# Construction Overview

## Order of Events:

1. Site Preparation
2. Construction of Posts
3. Installing the Plaques & LED's
4. Clean-up

## Construction Procedures:

### **Site Preparation & Clean-Up:**

1. Clear the area for the designated posts in a 2 foot radius of debris.
2. Collect the plant material into paper waste bags.
3. Collect trash into trash bags.
4. Dispose of the waste/trash.

*This will be done by all teams available!*

### **Construction of the Posts:**

1. Dig the post hole 30 inches deep with a 16 inch diameter bit. (Team Auger) according to the markers/schematic
2. Clear out the dirt with a hand shovel. Any dirt removed will be placed in the barren zone spread out and not in contact with the gravel. (Team Auger)
3. Place two-inches of gravel. (Gravel Dumpers)
4. Put a post in the center of the hole, the post should be about 6 inches away from the sides of the holes. (Gravel Dumpers & Postal Lumberers)
5. One person holds the post, whilst the other fills it in. (Gravel Dumpers & Postal Lumberers)
6. Compact the gravel with the tamper. (Compact Crew)

## Installing the Plaques & LED's

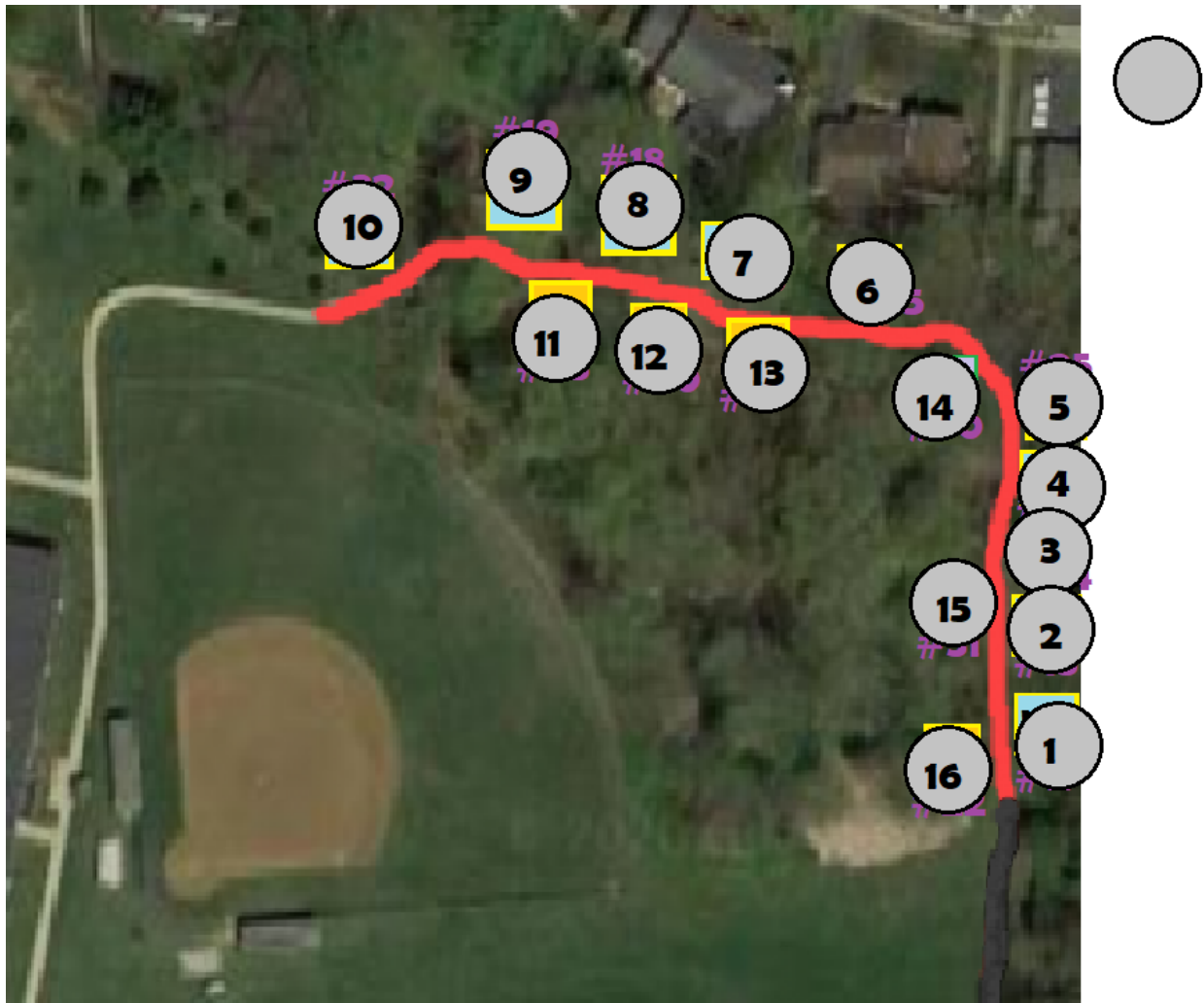
1. Follow the markings to drill a pilot hole with a drill bit for both the LED & Plaque.  
Pilot holes are made to not split the wood when drilling!  
(If there is no marker for LED pilot hole, do not make a new hole)
2. Turn on the LED device
3. Fasten the plaque/LED such that is nearly flushed with the plaque/LED, but not any tighter.

The entirety of this process will be done by the Assembly Team

## Schematics



*(I&S refers to posts with info plaques and solar LEDs, IP refers to only that of info plaques. CD is a different kind of IP that will be used for crediting. The numbers are the corresponding Plaque ID's which are on the back)*



*(A more simplified view of all 16 posts)*

## Matching Plaques & Posts

Which post has what plaque will be determined as such. On the back of each plaque will be two numbers. The first is the post number, and the second is the ID number. These two numbers will be connected by a dash. For example, on “Post 1” the back of the plaque would say,”1-17”. The following is the list of post numbers and their associated plaque ID’s.

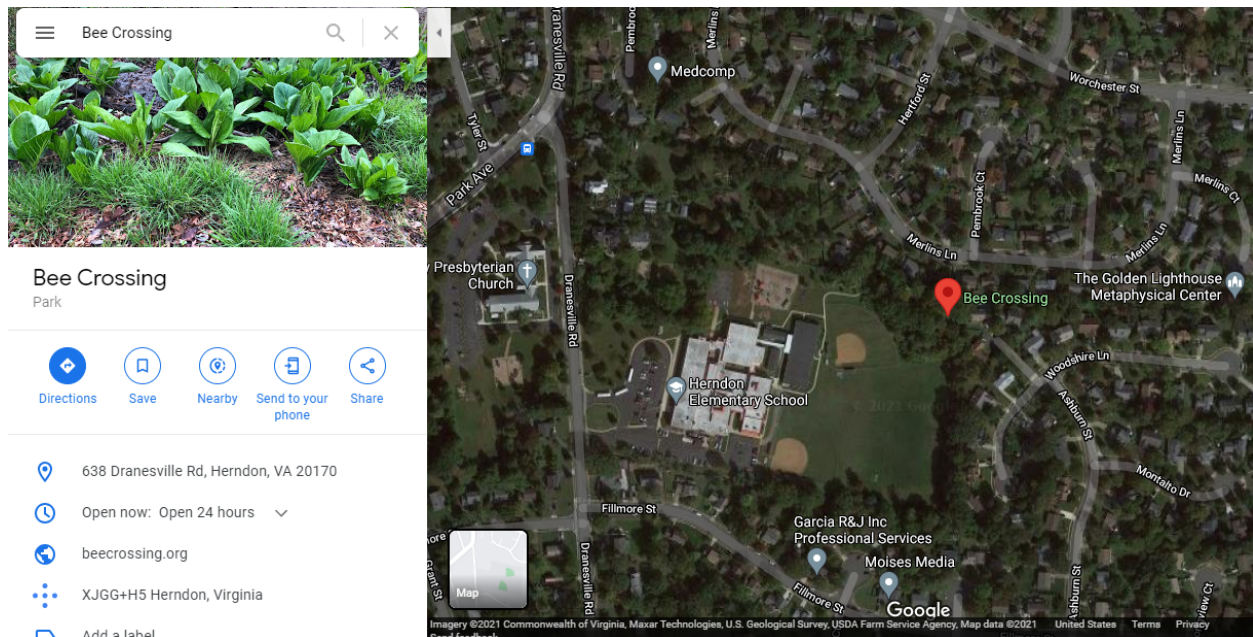
<b>Post #</b>	<b>Plaque ID</b>	<b>Has Solar LED on Post</b>
<b>1</b>	<b>17</b>	<b>Yes</b>
<b>2</b>	<b>13</b>	<b>Yes</b>
<b>3</b>	<b>14</b>	<b>Yes</b>
<b>4</b>	<b>24</b>	<b>Yes</b>
<b>5</b>	<b>25</b>	<b>Yes</b>
<b>6</b>	<b>15</b>	<b>Yes</b>
<b>7</b>	<b>16</b>	<b>Yes</b>
<b>8</b>	<b>18</b>	<b>Yes</b>
<b>9</b>	<b>19</b>	<b>Yes</b>
<b>10</b>	<b>32</b>	<b>Yes</b>
<b>11</b>	<b>23</b>	<b>No</b>
<b>12</b>	<b>20</b>	<b>No</b>
<b>13</b>	<b>21</b>	<b>No</b>
<b>14</b>	<b>30</b>	<b>No</b>
<b>15</b>	<b>31</b>	<b>No</b>
<b>16</b>	<b>22</b>	<b>No</b>

# What to Expect

## Arrival

### Check-in:

Location of Bee Crossing is 638 Dranesville Rd, Herndon, VA 20170, it can be found on [Google Maps](#). It is the Path between Merlins Lane, Woodshire Lane, and Herndon Elementary School. (Map below)



Upon arrival to Bee Crossing, locate and check-in with the Site Manager\*. This is crucial to log in the amount of service hours that was completed for you and the project. From there, you'll be placed and introduced to your team based on where you are needed. You may also shift teams throughout the construction process. This is simply because some areas may need more laborers than others at certain times.

\*The Site Manager will be Nuruddin (*Nur-uh-dean*), in a Blue-Greenish scout uniform. In the event that he is not present or cannot be currently attending, locate the next delegated Site Manager.



## Work Environment

### **Assigned Teams:**

After check-in, you'll be given a brief overview of your role then directed to your location of fellow teammates. In interactions with fellow volunteers, understand that they are volunteers and deserve the same respect and understanding as you do. Be kind, be polite, and be ready to lend a hand!

Safety is a major concern at Bee Crossing. Things to violate safety are including but not limited to: misuse of tools, unsafe conduct, physical aggression, and more.

Safety also extends to the work environment. If you ever feel like the environment is uncomfortable or is hostile, please contact the Site Manager or another trusted volunteer.

If any of these are violated, you will be asked to *leave* Bee Crossing.

### **Food Break & Refreshments:**

Your physical well being is important! Avoid overworking/ exerting yourself to the point of exhaustion. We recommend you to bring meals for you to eat while we provide snacks and water. Snacks will be individually packaged as to avoid any food contamination. Hand Sanitizer will also be supplied. There may be a point in time where pizza may be ordered, if you have a food allergy or dietary constrictions, please contact the Site Manager.

We want you to enjoy your volunteer work, your service to your community, not to be a sluggish suffering.