

Lower Gwynedd Township
Environmental Advisory Council

Meeting Agenda

September 11, 7:00 PM
Township Building Conference Room

Join Zoom Meeting: <https://us06web.zoom.us/j/2047362800pwd=dGpYYXBVUzNYK29ib1NybEpxZjBRdz09&omn=84777936318>

Meeting ID: 204 736 2800 **Passcode:** 429504 **Call in:** 646-931-3860; 929-205-6099

1. Call to order, attendance, introductions of new members, participants or visitors
2. Approval of prior minutes (attached)
3. Request to move items from Consent Agenda to Regular Agenda, and any other items to be considered as part of the Regular Agenda
4. Approval of Regular Agenda
5. Consent agenda: August 14, 2024 Meeting minutes
6. Going Green Award
7. Old Business
 - a. EAC Program Planning Handbook Update (Attachments)
 - b. Lower Gwynedd Fall Fest 9/21 - call for volunteers
 - c. Tree Giveaway – Call for Volunteers
8. New Business
 - a. Comments to Spring House Estates Plans
 - b. WHS Natatorium Garden Funding – Update
 - c. Journeywork – Pollinator Pallooza Funding - Update
9. Standing Items – Committee and Liaison updates
 - a. Parks & Recreation Department & Staff Liaison
 - i. Master Park Plans - Pollinator Gardens Plans
 - b. Planning Commission Liaison
 - c. LGT Comprehensive Plan Liaison
10. Points of interest/General comments
 - a. Parson Lane - Replanting
 - b. Other meetings of interest

Next Meeting: October 9, 2024

Lower Gwynedd Township

Environmental Advisory Committee

Meeting Minutes

August 14th, 2024

Members in Attendance:

Mark Schafer, Chair

Brenda Doll (via zoom)

Rea Monaghan, Vice Chair

Lisa Brown

Maureen Nunn

Marianne Grey

Associate Members: Rich Valiga, Suzanne Smith-Osciliski, Steve Saffier

Board Of Supervisors Liaison: Tessie McNeely

Staff in Attendance: Sandi Feight

1. **Call to Order, attendance, introductions of new members, participants or visitors.**
2. **Approval of prior minutes (attached)** – Approved.
3. **Request to move items from Consent Agenda to Regular Agenda, and any other items to be considered as party of the Regular Agenda**
4. **Approval of Regular Agenda** – Approved.
5. **Consent agenda:** June 12th, 2024 meeting minutes
6. **Single Use Plastic Ban Presentation** – Farren Savitz from Penn Environment joined through Zoom and did a presentation on plastics and townships in Pennsylvania who have passed ordinances banning single use plastics. As of today, there are 32 total ordinances throughout the state. Restaurants have expressed concerns about the banning because they worry, they do not have other options for takeout, non-plastic, non-Styrofoam food containers are difficult and hard to find and expensive. There could also be waiver exemptions for restaurants to have extra time after the phase in to be able to find, order and obtain other alternatives to plastics. Another concern was the social justice aspect of having to pay for the reusable bags, which was addressed by giving out free bags in the phase in of the ordinance if passed. Compliance throughout the state has been very good.
7. **Old Business**
 - a. EAC Program Planning Handbook Update – Lisa has created a format for all programming. Maureen has sent all her Going Green information to Sandi. Rea has been working on the draft document for the Tree Giveaway. She is also working on the battery and techno trash recycling document and the rain barrel giveaway and composting event. Steve will be completing the bird town document. Rea thinks they will have it done sooner than expected.

- b. By Laws – Update on the Review – Sandi attached a copy of the bylaws to SharePoint and Rea has been reviewing them.

8. New Business

- a. Lower Gwynedd Fall Fest 9/21 - call for volunteers – Sandi let the EAC know that there will be one table for all the Township committees and boards. Brenda asked about their trifold information board and being able to use it. Sandi is hoping they can, but she still must go out and measure and figure out the logistics.
- b. Whitpain Township Community Festival 9/28 - call for volunteers – Mark will email and thank them, but no one is able to make it the EAC has many events happening in September into October to cover with volunteers.
- c. Tree Giveaway – Call for volunteers – We will have enough volunteers.

9. Standing Items – Committee and Liaison updates

- a. Parks & Recreation Department & Staff Liaison – John & Sandi have met with DCNR and looking at the Woodland evaluation and with Gilmore and their arborists to go out and start evaluating the areas with hazards. They have given us ideas.
- b. Planning Commission Liaison – Proposed update to the small wireless facilities ordinance, meaning the cell phone towers in the township.
- c. LGT Comprehensive Plan Liaison – Meeting was on 7/22. The topic was Historic Preservation. The Steering Committee was updated on the historical aspect of the Township. There were maps updated. The open house date was set for Monday 10/28 4-6 pm. Members of the Steering Committee & the Montgomery County Planning Commission will be present. All relevant questions were answered and will be presented at the meeting.

10. Points of Interest/General comments –

- a. CCA update – Bill Sabia from Plymouth Township EAC presented to the BOS on 7/28. There was a discussion about the capability the boroughs must consolidate their energy and provide clean energy rather than go through PECO or whatever the supplier is. You would still have to pay for the transmission of the energy through PECO but use clean energy. The BOS was concerned because they feel they didn't have enough time to review, and they are not included in this and cannot contract like boroughs can. They felt it was not in the best interest to move forward.
- b. Other meetings of interest – Noise ordinance discussion about leaf blowers from June meeting would be a police & code responsibility.

- c. Brenda let everyone know that the Whitpain EAC will be talking at their BOS meetings about the plastic ban if anyone is interested and will send an email about the dates and times-8/20 & 9/3.
- d. Volunteer Appreciation Night is 10/24.
- e. Paige told everyone that Journeywork is doing Pollinator Palooza again and asked the EAC to tell everyone about this and that if the EAC wanted to provide kits to Lower Gwynedd Residents, they would be \$75 a garden. Registration will open in September, and it will stay open for 6 weeks. EAC voted to recommend to the Board of Supervisors 10 gardens for the first 10 residents who register. Sandi will put together a letter of recommendation for the BOS.

Meeting concluded: 8:40 PM

Next Meeting: September 11th, 2024

BATTERY AND TECHNO-TRASH RECYCLING

1. Description of program/project: Bi-monthly battery and Techno Trash collection events scheduled for the second and fourth Saturday, six months of the year (every other month).

Township staff places two tables and 4-6 chairs beyond the front doors inside the township administration building the Friday before the collection event the following day. The EAC maintains a box of gloves to wear during battery collection, sanitizer wipes, tape, extra boxes to collect recyclables and a box for trash and/or cardboard boxes.

The township schedules FEDEX pick up of full battery bins of batteries collected to be shipped to Cirba Solutions, formerly Battery Solutions. If empty battery collection bins have been shipped to Cirba and returned to the township, these empty bins will be placed with other materials and supplies Friday for use the following day.

A sign stating the name of the program (Battery and Techno Trash Recycling), duration of program (9:00am-11:00am), is taped to a chair located outside of the main entrance of the township building, or the main door (pending weather conditions).

Collection is only open to LGT residents, and proof of residency will be required. Residents will be required to properly tape certain batteries before dropping them off (see list below), and are asked to do so before arriving to speed up the drop-off process.

All lithium batteries and any battery over 9V must have the terminals covered with clear tape to prevent accidental short circuiting, which can cause a fire, during shipping. Batteries that are accepted for recycling are:

- Alkaline
- Zinc Carbon
- Nickel Cadmium (NiCd)
- Nickel Metal Hydride (NiMH)
- Lithium-Ion
- Lithium Primary
- Mercury Batteries
- Silver Oxide
- Button Cells (could be lithium)
- Lead Acid – Non-Spillable

In addition to the battery collection types listed above, the EAC simultaneously collects Techno Trash. We collect and recycle CD/DVD, VHS, audio and computer tapes and cases for all of these items.

If you have any questions what can be collected, please call the Township Offices at 215-646-5302 or via email at contactus@lowergwynedd.org

2. Dates/seasons/locations:

Battery and Techno Trash recycling collection is scheduled for the second and fourth Saturday six months throughout the year. (every other month). Collection takes place outside of the main entrance of the township building or inside the main entrance of the township building. Location is contingent on weather and time of year. The program runs from 9:00am to 11:00am.

Arrangements are made with the township staff (Sandi) to have the front door unlocked and the vestibule/interior of the building to the township building open for access to materials and the restrooms.

At the end of the event, the Techno Trash and Batteries are stored and stacked in the corner and behind the desk on the first floor.

3. Budget:

Cirba Solutions and Green Disk provide invoices to the township upon receipt and weighing of materials. Cirba Solutions provides a breakdown by battery type in pounds for each invoice. The township keeps a running tally of the total weight of batteries collected each month and year-end.

Techno Trash provides invoices and the township staff requests an overview of the pounds of techno trash collected and recycled. The township keeps a tally of batteries and techno trash collected.

The budget for all EAC recycling programs is a line item of the EAC's budget per BoS approval. The EAC revisits the budget year-end for proposal and review by the BoS for the continuation of the following year's collection event.

4. Program presenters/leader(s): EAC members schedule and arrange for collection dates. The township posts the collection information to the events section of the EAC webpage, to the township website and the township e-newsletter and often the bi-annual newsletter. Updates are also posted to the township's and the EAC's Facebook pages.

5. Equipment needed:

Two large township tables, 4+ chairs, empty battery collection bins, tape, empty cardboard boxes, if any are on-hand. EAC's boxes of gloves, sanitizer wipes, boxes, empty battery bins, trash receptacles.

6. Volunteers:

EAC members sign up via Sign Up Genius or email Brenda. Typically, the same EAC members volunteer for each event but EAC volunteers do vary.

7. Pre-program/project planning steps and responsible party:

Refer to 2. and 3.

8. Publicity/marketing: Township and EAC Facebook pages, e-news updates, events section of EAC webpage, events section of the township's website, spring and fall township print 8

9. Other/future considerations:

Compost Bin Workshop/Giveaway

1. Description of program/project: PowerPoint/slide presentation of key issues and steps to ensure successful composting followed by an opportunity to interact with individuals with experience/instruction/advice on several different composting approaches. Giveaway of compost bins and kitchen scraps collection container.

A Link to the presentation is listed below:

[THE WHY, WHAT, AND HOW to Compost.pptx](#)

2. Dates/seasons/locations:

Original date: Saturday, June 17, 2023. 9 AM to 11:30 AM. In general, early spring is preferred so that people have a good chance for a successful outcome over the summer.

This event was held at the Penllyn Woods Community Building. The registration and slide presentation were in the main meeting room. The post-slide show demonstrations took place outside the building under the covered part of the building. Originally, the event was to take place at the Township building (also as an indoor/outdoor event) but it was unavailable.

3. Budget:

Giveaway items:

15 stationary bins: Redmon Wing Digger 65-gallon stationary composter (chosen partly because it was discounted 50%--purchased from Wayfair))

1 tumbler bin: FCMO1011-FCMP Outdoor Dual-Chamber Quick Curing 37-gallon Tumbler Composter

Total cost of bins: \$1208.00 (tax exempt)

5 kitchen scraps countertop containers: OXO Good Grips Easy-Clean Compost Bin, White @\$22.95 (tax exempt) purchased from Amazon.

Total cost of countertop containers: \$116.00

Contribution to Penn State Master Gardeners (in support of the volunteer who demo-ed vermicomposting: **\$50.00**

Raffle tickets: The Parks & Recreation Department may have tickets to borrow. An EAC member purchased this ream of tickets for approximately \$14.00.

4. Program presenters/leader(s):

Introductory slide presentation: EAC member Rea Monaghan

5. Equipment needed: Computer/projector and hdmi cable; chairs in the Community building for attendees; table for registering and giving out raffle tickets; tickets for raffle; table for each presenter (4).

If enough space is available inside, consider one larger table for displays and registration check list /township e-news signup and 1 smaller table for drawing ticket give away to include a basket, etc., to place tickets into once people register.

Format for drawings: Each attendee gets one piece of the double ticket. Attendees place their name and phone number (day of event) on one side and places the completed ticket in the basket. Registrants hold onto the other side of the ticket for the drawing, which is to take place AFTER the presentation and BEFORE participants can meet with presenters at the tabling event.

EAC members keep count of the number of items to be raffled. Smaller items are raffled off first and a log of the winner's name and contact number are to be added to this log for all giveaways. Ask those who sign up for the drawing if they want to be included in future LGT emails (newsletter, emails). Also direct those interested information pertaining to the EAC effort's, to the EAC webpage.

6. Volunteers:

Tumbler composter demonstrators: Former EAC member Larry Radine and Glenda Radine
Vermicomposter demonstrator: Penn State Extension Master Gardener Sandy Sweeney
Curbside composting presenter: Back to Earth Composting staff
Stationary composter presenter: Rea Monaghan

1 or 2 volunteers to help with raffle, registration and loading composters into cars.

Presenters were primarily solicited by EAC members (Lisa Brown) using connections and known resources. She was the main contact for volunteers prior to the event.

7. Pre-program/project planning steps and responsible party:

- a. Set date after determining availability of space and presenters/volunteers and after EAC has approved.
- b. Price out cost of giveaways; prepare spending request for BoS enough in advance to order and receive giveaways.
- c. Work with twsp staff to order materials once spending is approved, also to figure out where to store items before/after the program. Note what was purchased, where it was purchased, cost, etc.

8. Publicity/marketing: See below. Publicity was limited to township news and website, plus a few hard copy posters, although the event was also mentioned in publicity for "Kiss the Ground" movie showing. People were asked to register to monitor audience size and later to note who receives a raffle prize. EAC members produced the publicity with input from and township staff uploaded it and made hard copies.

15 Stationary compost bins, 1 Outside tumbler composter and 5 kitchen counter collection containers were available for raffle.

Post-event e-news summary:

EAC Events

The What, Why and How to Compost event was held on June 17 from 9:00am-11:30am at the Penllyn Woods Community Center.

An enthusiastic and engaged group attended the event. Participants listened to a brief presentation followed by a question-and-answer session. After the presentation, attendees stepped outside to hear presentations from four experts regarding 4 types of composting options that were focused:

1. Outside stationary compost bins
2. Outside tumbler composting;
3. Vermicomposting (worm composting);
- and 4. Community-based local curbside pick up or drop off options.

9. Other/future considerations: Location in community building was great for indoor/outdoor space but PowerPoint was hard to read because the room didn't get very dark.

Because the turnout was smaller than planned, everyone who wanted one was able to get a raffle prize of one kind or another. Still, quite a few bins were not taken—maybe get fewer next time?

Expand publicity to Patch, social media, more posters. (While giveaways would only be for LGT residents, the event should be open to all.).

Have 1 person designated to manage raffle.

FEED THE SOIL, HEAL THE EARTH

Healthy soils are crucial for a healthy planet, and **COMPOSTING** is an easy way for us to promote soil health. Plus, **COMPOSTING** reduces waste, cuts greenhouse gases emitted by landfills, and helps your garden grow.

Learn the
THE WHAT, WHERE, WHY AND HOW of COMPOSTING
(also, score some merch!)

Saturday, June 17, 2023 9 AM-11:30 AM
Penllyn Woods Community Center, Lower Gwynedd Township



Step One: Learn the important whys and hows with a brief presentation at 9 AM.

Step Two: Interact with experienced composters who will provide the details about 4 different techniques: worm composting, tumbler composting, stationary bin composting, and curbside composting. Have all your questions answered!

Step Three: If you are a Lower Gwynedd resident, participate in a raffle for a chance to get one of 15 stationary recycle bins OR a tumbler (we will only have 1) OR one of 5 countertop scrap collection tubs.

We have limited space: Please let us know in advance if you plan to attend.

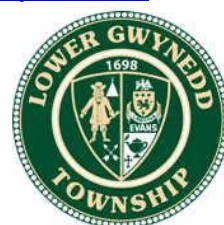
EAC@lowergwynedd.org Please put "Register for Compost Event" in the subject line.

***Proof of Lower Gwynedd Township residency will be required upon sign to participate in the raffle. Raffle winners must take home their raffle prize by the end of the event. We do not have space to store.**

For more information and directions to the site, see our website at:

<https://www.lowergwynedd.org/government/environmental-advisory-council/>

Sponsored by:



Guest speakers / Tabling Events

This program includes guest speaker presentations and/or EAC presentations, talks, movie nights (separate category is part of the internal EAC handbook), EAC events, outside municipal and borough EAC events, LGT Fall Fest.

1. Description of program/project:

Varies depending on type of program or project.

2. Dates/seasons/locations:

Varies depending on type of program or project.

Confirm if township building space is available to offer a programs or event and/or if township grounds. Liability insurance may be warranted and volunteers must sign a waiver form.

3. Budget:

- Ascertain if any speaker/organization requires a donation or fee
- Prepare a request for the BoS to review and authorization of any costs, such as licensing fees, donations, supplies, handouts
- Confirm budget for the program via the BOS

The budget will vary depending on the type of program or project. Refer to other sections for a breakdown of costs of previous programs and projects. Prices for trees, movie licenses, supplies and giveaways may vary year-to-year.

4. Program presenters/leader(s):

EAC members/Outside experts/Other EACs. The leader names vary depending on the program being offered or project being proposed.

5. Equipment needed: This varies based on program or project being offered.

Penllyn Woods Community Center:

- Computer/projector and hdmi cable; chairs in the Community building for attendees; table for registering and giving out drawing tickets (if applicable); tickets for raffle (if applicable); table for each presenter.
- If available and space can accommodate, 1 larger table for EAC displays and registration check list /township e-news signup and 1 table or area for presenters' flyers and display, If giveaways or drawings are being proposed, one smaller table for drawing tickets/giveaways may be needed.

Large BOS meeting room:

- Confirm availability with Sandi to operate township audio equipment and open the building up.
- Coordinate with Sandi and presenters to have presenters' presentations previously downloaded to township computer.
- Confirm presenters' needs regarding equipment.

- Ask each presenter to bring a flash drive with presentation downloaded, as backup.

Other Township property:

- Penllyn Woods Community Center
- Confirm projector/AV set up, if need be
- Confirm if guest speakers plan to bring their own copies of handouts, displays, table and chair/s
 - If tables and chairs are required, confirm availability with Sandi and make arrangements for EAC members or twsp staff to make items available for pick up/set up.

6. Volunteers: How many? What are their roles? How were they solicited? Who supervised them? Etc.

Depending on the type of event the only volunteers needed are EAC members to set up and man the EAC display table, ensure sign -up to LGT e-news, if desired, and EAC members to meet and greet the presenter/s and attendees. It is also helpful to have EAC members on hand to help presenters unload/load displays from their car to the designated presentation location and back to the presenter's car.

Fall Fest: Confirm EAC member availability via Signup Genius (one of us creates the survey) and have EAC members view signup and select desired or needed times to volunteer.

Coordinate materials, displays and giveaways with Sandi. Subcommittee members coordinate dropping off of materials to be displayed or items to be part of a drawing. Sometimes Brenda and Rea bring materials to the event but for the past two years, the township Public Works Department has been coordinating the collection, moving and dropping off of materials to the designated EAC table/s.

EAC members should be prepared to bring their own chairs to the event for their use.

7. Pre-program/project planning steps and responsible party:

Refer to 7. Above.

8. Publicity/marketing: Attach examples of what was done. Note how long in advance the materials needed to be developed. Note ways information is/could be disseminated (e-news; print news; flyers; Patch; social media; etc.

This varies depending on program or project and specific details are listed in individual sections of the handbook.

Ask presenters to provide an overview of their topic so that the EAC can prepare updates to our and the township's publicity and marketing efforts.

Publicity/Marketing can be in the form of flyers posted to township kiosks (if Sandi/twsp approves), township e-newsletter updates, township e-mail listserv updates. In the past, the EAC has posted program information to Patch. The township now has an Instagram page and the

EAC/township staff can post information here, in addition to the township's Facebook page, the updates section of the township website and the EAC Facebook page.

9. Other/future considerations:

This varies depending on the type of presentation or tabling event. If EAC members can attend the time slots of each event, we should not require volunteers, except where noted in 7.

MOVIE NIGHTS

1. Description of program/project: Showing of a professionally produced film on a topic of environmental interest in order to educate (and entertain) LGT residents. The choice of movie can be related to other EAC programming, such as Bird Town events, compost workshops, tree giveaway, etc., but does not have to be related. (See Other/Future Considerations, below.)

2. Dates/seasons/locations: Varies. If relating to another EAC activity, the showing could be in the same general time frame or season.

3. Budget:

Licensing fee: Depends on the movie as different producers/distributors have different fees and also depends on how old the movie is. Probably around \$500.00 on average.

Popcorn or other snacks (optional): \$25.00-100.00.

4. Program presenters/leader(s): EAC members, presumably someone who has seen the movie. (See Other/Future Considerations, below.)

5. Equipment needed: None, if staff can set up the system in the Administration Building meeting room, as usually the movie will be on a CD-ROM. Otherwise, computer/projector and cables ; display table outside the meeting room with snacks, EAC publicity, etc.

6. Volunteers: None, unless there is a guest presenter (See other/Future Considerations, below.)

7. Pre-program/project planning steps and responsible party:

a. Select a topic with EAC input.

b. One EAC member should screen various movies on that topic if possible or otherwise research for well-regarded films on the chosen topic.

c. Set date after determining availability of space and presenters/volunteers and after EAC has approved. Should be at least 6 weeks after selection to give staff time to obtain authorization to show and to get BOS approval for payment of licensing fee and (optional) budget for snacks/drinks.

d. Ask staff to research licensing fees and obtain permission to show.

e. EAC volunteer purchase snacks if providing them.

8. Publicity/marketing: If movie is for LGT residents only, publicize via e-news and print news if there is enough lead-time for the print news, social media. Work with staff to design posters/flyers to post in local storefronts and email to local HOAs, churches, schools, etc. If broader audience is targeted, work with staff to publicize in Patch, Nextdoor, send to other EACs. Attached are examples of flyers/publicity for past movies.

9. Other/future considerations: More publicity is better than less publicity. Consider inviting a local expert in the chosen topic to lead a Q and A after the movie, or maybe an EAC member would be able to do it.

EAC MOVIE NIGHT!

“Kiss the Ground”

Are you ready for a hopeful message about our climate future? Join us for a free showing of this award-winning film, which explores how the ground beneath our feet is one of our most powerful tools in addressing our climate crisis. Narrated by Woody Harrelson, it features scientists, activists, farmers, ranchers and other humans from around the world. It is a beautifully produced documentary that will leave you optimistic and ready to take your own steps to regenerate the soil*.



June 12, 2023 7 P.M.-9 P.M.
Lower Gwynedd Twp Building**
1130 North Bethlehem Pike, Spring House

*Learn to compost! June 17, 9 AM, Penllyn Woods Community Building. Check our website for details.

**Seating space is limited. Please register at EAC@lowergwynedd.org (note Register for Kiss in subject line) so we can be sure we have room.

Sponsored by the Lower Gwynedd Township
Environmental Advisory Council

For information on this and other EAC programming, go to:
www.lowergwynedd.org/government/environmental-advisory-council/



EAC July Movie ~ Winged Migration

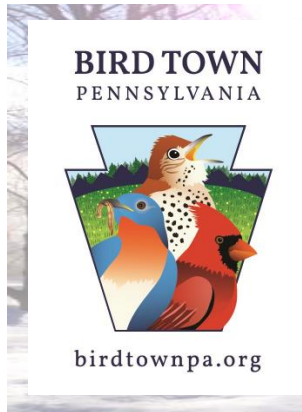
Jun 22, 2023
General News

The Environmental Advisory Council has planned a movie showing of, "Winged Migration".

This Oscar Award Documentary was filmed over three years over the world, showcasing the immense journeys routinely made by birds during their migrations.

The Movie will be shown on Monday, July 10 at 7:00 p.m. at the Township Building.

Registration is required, you can call the Township Offices at 215-646-5302 or register by email at contactus@lowergwynedd.org



MOVIE NIGHT!

A **Free** Screening of the 2001 Film...

WINGED MIGRATION

Winner of an Oscar Award for the Best Documentary Feature. An amazing spectacle of birds on the wing and incredible cinematography of wild birds around the world! Great for families!

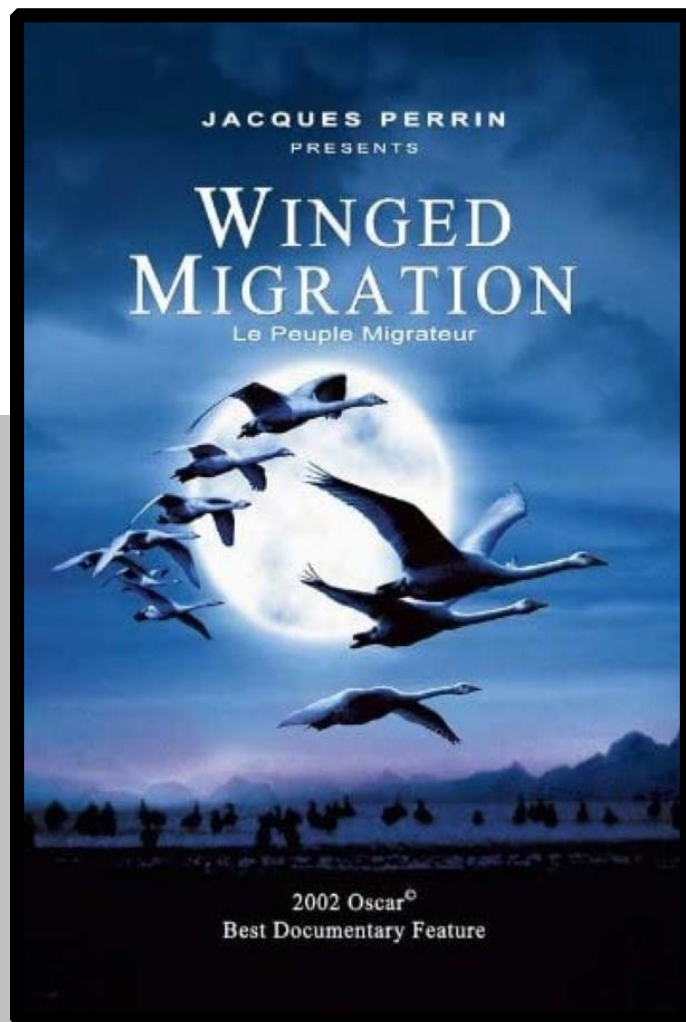
Monday, July 10th, 7:00 pm

Lower Gwynedd Township Bldg

1130 N. Bethlehem Pike, Spring House
PA 19477

**Seating is limited. RSVP to:
Contactus@lowergwynedd.org**

The Bird Town Mission: Bird Town Pennsylvania works in partnership with local municipalities and like-minded organizations to promote community-based conservation actions to create a healthier, more sustainable environment for birds, wildlife, and people.



RUN TIME: 1hr 38min

Tree Giveaway (Brenda/Suzanne/Rea)

1. Dates/seasons/locations:

Annual Program held in early Autumn at the LGT building. Annual date is TBD. Residents receive a tree and a bag of mulch.

2. Budget:

- Confirm budget for the program via the BOS.
- Committee selects native tree and/or shrub species based on cultural attributes- hardiness, pest and disease resistance.
- Confirm species availability with BOS-approved nursery. Current supplier is Tree Authority LLC, located in Perkasio, Pa, which is a township-approved nursery.
- Confirm pricing, availability and delivery costs with wholesale supplier.
- Confirm staff/committee availability to receive plants and prep LGT building parking lot on Friday afternoon before the Saturday morning drive through tree distribution.
- Confirm availability for township police to block off entrances and assist as needed.
- Confirm set up and availability of event signage
- Confirm mulch availability and costs. Past mulch supplier has been The Rhoads Garden.
- The EAC/township has approved utilizing Tree Authority, LLC for 2024 and has placed the order of 300 trees/shrubs.

3. Program presenters/leader: EAC members available to help with tree identification and count upon delivery of plants.

Sample 2022 Tree Giveaway Proposal:

EAC Communication to BOS regarding funding for the tree giveaway:

EAC Proposal for 2022 Tree Giveaway Program

May 12, 2022

This is an EAC request for approval to spend LGT funds in the amount of \$15,000 for a Tree Giveaway program. In what follows, we describe the need, the date and location, the trees we will be giving out, publicity, the process, and the welcome.

The Need

Despite the name, “giveaway” this program is not a gift from the township government to township residents. Rather it is a very small component of broad efforts to reduce the rate of global warming.

Global warming is largely caused by an excess of carbon dioxide (CO₂) in the atmosphere. CO₂ is presently 0.04 % of the atmosphere. That is too high.

One main mechanism in keeping the percent of CO₂ in check is trees. Trees take in CO₂ and convert it to wood, roots, leaves and fruit. Trees' food does not come from the soil—trees get only water and trace nutrients from soil, which are for trees like vitamins and minerals are for us.

A century ago, the tree canopy (defined as the layer of leaves, branches, and stems that provide tree coverage of the ground when viewed from above) of the world was adequate to keep up with the formation of CO₂. Now, because of fewer trees and more carbon emissions (CO₂, mostly) the global tree population can handle less than 1/4 of today's CO₂ in the atmosphere.

Trees provide additional environmental benefits. They help to clean the air by producing oxygen, intercepting airborne particulates on their leaves and bark, and reducing smog, thus enhancing a community's respiratory health. Trees absorb odors and pollutant gases (nitrogen oxides, ammonia, sulfur dioxide and ozone).

Trees reduce water runoff by breaking rainfall thus allowing the water to flow down the trunk and into the earth below the tree. This prevents stormwater from carrying pollutants to rivers and the ocean. When mulched, trees act like a sponge that filters this water naturally and uses it to recharge groundwater supplies. By reducing storm water runoff, which in turn reduces flooding, trees save townships storm water management costs. One hundred mature trees can capture up to 100,000 gallons of rainfall per year, reducing runoff and filtering water.

Trees provide economic benefits to communities. Homes landscaped with trees sell more quickly and are worth 5% to 15% more than homes without trees. Where the entire street is tree-lined, homes may be worth 25% more. Where a canopy of trees exists, apartments and offices rent more quickly and have a higher occupancy rate; and workers report more productivity and less absenteeism. Trees enhance economic stability by attracting businesses; people linger and shop longer when trees are present.

Trees help to conserve energy because they are natural air conditioners. Carefully positioned trees can save 25 to 30 percent of energy consumption. Deciduous trees are the most beneficial for energy savings since they provide shade in the warmer months and let the sunlight shine through in the colder months. Tree windbreaks can reduce residential heating costs 10-15%.

Average temperatures in metropolitan area have risen as much as 6°F in the last 50 years as tree coverage has declined and the number of heat-absorbing roads and buildings has increased. Trees cool metropolitan areas by up to 10°F, through shading homes and streets, breaking up urban "heat islands" and releasing water vapor into the air.

Lower Gwynedd Township is committed to playing its part in increasing the population of trees. As of 2012 LGT had about 50% of its 9.3 square mile area covered by its tree canopy. See <https://montgomeryconservation.org/wp-content/uploads/2012/11/Tree-Canopy-Report-Montgomery-County.pdf>

The township can increase the tree canopy in two ways: add more trees to township-owned property (*i.e.* public property) or add more trees to private property. The Lower Gwynedd public

property is mostly forest and parks and there is not much that can be added there. In contrast there is a great deal of private property that has open space that can accommodate many trees.

The LGT EAC proposes that the township provide—free of charge—a tree to each household within the township, up to its budget limit for this. The 2022 budget limit for the requested funds is \$15,000, which would be enough for nearly 200 households and other minor expenses such as mass mailings.

Many new trees die within a year or two of planting, partly because of deer rubbing their antlers against bark, partly through insufficient watering, and partly because of where they are planted. Accordingly, to improve the chances of the trees surviving we are supplying plastic deer protection for the trunk, and mulch to help the trees retain sufficient water.

In addition, we will provide a tree planting guide with every tree, and we will have an arborist or horticulturist on hand during the Tree Giveaway event to provide advice in selecting a tree and locating it on a microenvironment within their yards.

The Date and Location

Landstudies, an ecological design and build firm, says:

You might think that spring is the best time to plant trees, and while it is a perfectly good season to do so, fall can be an even better time. Why? Well, the rain and cooler temperatures we get here in Pennsylvania in the fall helps trees establish their root systems without creating the new top growth that happens in the spring. The result is a stronger, better developed root system that will prepare the tree for next spring's growth spurt. But the timing must be right... fall planting is considered late August through mid-November. Any later and you may run into frost issues and temperatures too cold for adequate root growth.

The Tree Giveaway event will be held on a Sunday in mid-September. The date of the Tree Giveaway will be this year's choice for our Arbor Day. Rain or shine, the event will run from 8:00 AM to 10:00 AM.

We will find a location that is large enough to accommodate pallets of mulch, trees laid out and organized by species, with their names written in chalk on the parking lot, space for residents to look the trees over and to talk with arborists, a place for a pop-up canopy, a cone-marked route to direct residents' cars as they come to pick up their tree, a place for the waiting line and, of course, and room to park cars for those who will be standing in line.

No pre-registration is required but homeowners must present identification indicating Lower Gwynedd Township resident status. We will have a map on hand to assist with confirming residents' addresses are within township borders.

The Trees

The giveaway features a range of native species. The trees are either potted shade trees or flowering trees. We expect that the trees will be in #5 containers (10 3/4" x 11", 888 cu. in., 14.5 liters, 3.8 gal). Free mulch and deer protection will, like the trees, be distributed to Township residents, on a first-come, first-served basis.

There will be a limit of one tree per address or household this year. If a resident has two households in LGT, then that resident is entitled to two trees. If the household is a business that has open space in Lower Gwynedd to plant in, that entity is entitled to one free tree. Houses of worship that have open space in Lower Gwynedd to plant in are also entitled to one tree.

Here is a list of trees we are considering for the event: (This list may vary every year based on species disease or blight, availability, etc.)

2022 Plant List

Potted Shade Trees

Red Maple
River Birch
White Oak
Willow Oak
Red Oak
Bald Cypress
American Hornbeam

Flowering Trees

Redbud
Service Berry
Carolina Silverbell
Flowering Dogwood

The main disadvantage of fall planting is the fact that nurseries' and garden centers' tree stock on hand is reduced. If we bought trees now for delivery in mid-September, that would force the suppliers to care for the trees all summer; this might raise the price of the trees. Thus, we will want to have some flexibility in the choice of tree species. Given that some of the trees listed above will not be available for fall planting, we will likely be changing the tree choices as time goes on, reducing the variety from the 11 listed above. Our tree choices will be limited to those native to our region.

Publicity

Publicity will consist of a mass mailing to all Lower Gwynedd residents. We will need a non-profit, standard (bulk) mass mailing USPS permit. In addition, there will be a cost for printing and folding. We would do two waves of the mailing.

The mass mailing will have an orientation that explains the giveaway process and helps residents think about what kind of tree they want.

Announcements will be placed in the usual sites: the LGT newsletters, NextDoor, Patch and Facebook.

If we have an email listing of residents, we will send to those as well.

We will have a few lawn signs printed and installed on the lawn in front of the Administration Building parking lot.

Process

On the Sunday morning of the Tree Giveaway event, a team member will arrive early and get the residents in a line. In addition, each household will receive a number for their position in line. If they want to go across the street for coffee, they will not lose their place in line. This team member will stay with the line for the entire two hours.

The starting point will be identified by a blue pop-up canopy that identifies the BOS and the EAC, along with Tree Giveaway/Arbor Day signage. There will a table staffed by a person familiar with addresses in Lower Gwynedd Township, irrespective of the legal fictions imposed by the USPS.

A third volunteer will stay at the head of the line and act as a gatekeeper, allowing only enough residents to pass through that can be handled by the tree experts.

The process will require 4 tree experts to help each resident select his/her tree.

Once the resident has his/her tree a pair of volunteer porters will be called by the tree expert to help with carrying the tree to the resident's car and to bring along a bag of mulch. There will be one team member staying with the mulch stacks and putting the plastic deer guards together. This team member will explain how to keep the new tree wet and healthy. In addition, this team member will hand out our tree planting guide.

It will be helpful to have a police officer present to help with traffic or other problems.

Volunteers needed

Intake workers (waiting line, ID checker, & gatekeeper)	3	
Tree experts/arborists/horticulturalists	4	
Porters and plastic assembler	11	
Coordinator and chief complaint receiver	1	
Police Officers (to be compensated with comp time)		TBD by LGT
Total volunteers	20	

Welcome

At 8:00 AM the event should begin with a welcome and a statement about the purpose of the Tree Giveaway, Arbor Day, and the larger goal of increasing the tree canopy in LGT. We hope a member of the BOS will do this welcome.

A second person, one of the arborists, should explain how to keep the new trees alive, especially for their vulnerable first two years. This welcomer may say something about the choice of trees and the process of the Tree Giveaway.

Budget

Printing and Mailing	\$150.00
Trees (~200 at \$70 each)	\$14,000
Mulch (200 bags; \$4 per 2 cubic foot bag)	\$800.00
Tree Guards	\$50.00
Total requested	\$15,000

COMMENTS ON BUDGET ITEMS

We expect that the trees would be from Tree Authority (Hasan Malik). Our plan calls for having the nursery deliver the trees to the parking lot the previous day (Saturday). We may use alternative suppliers in the event that Tree Authority cannot supply the trees we need.

We expect that the mulch would come from Rhoads Garden. They would deliver the mulch to our parking lot the previous day (Saturday)

The plastic tree-trunk guards can be obtained in bulk rolls locally and made up into guards with plastic cable ties.

Acknowledgments

Many thanks to Mike Richino, CPRP, Assistant Director of Parks and Recreation, Whitpain Township.

2023: Tree Giveaway:

Registration opens

SEPTEMBER 14th

2nd Annual

Native Tree Giveaway

Lower Gwynedd Township and the LGT EAC announce

The township is once again offering one free native tree to township property owners to help increase

the tree canopy in Lower Gwynedd Township,
Lower Gwynedd Township Native Tree Giveaway
October 14, 2023

- Eight species of native trees, suitable for various conditions, are available.
- 300 trees will be available, with pre-registration on a first come, first served basis
- 300 trees will be available, with pre-registration on a first come, first served basis through an online form on the township website, which opens 9/14/23.
- Tree pick-up is Saturday, October 14 at the township administration building, located at 1130 North Bethlehem Pike Spring House, PA 19477.
- Please bring a vehicle large enough to accommodate your 4-6 foot tree.
- For more information and to access the registration form please visit <https://bit.ly/LGT-tree-giveaway> or scan the QR code below.

2023 Plant List

Red maple- 25
White oak- 25
Willow oak- 25
Black gum- 25
Sweet Bay magnolia- 50
Redbud- 50
White fringe- 50
'Autumn Brilliance' Serviceberry- 50

Total quantity 300

**2023 Tree Giveaway Sign Up Genius Communicate / Township Website /EAC website/
Google Forms**



Group Organizing Made Easy

LGT EAC wanted to send you the following message regarding the sign up "LGT
2023 Tree Giveaway Volunteers":

Thank you to everyone who helped with yesterday's tree giveaway. It was another rousing success, with all 300 trees and 300+ bags of mulch being gone by noon.

We couldn't have done it without you!

Flag for follow up.

Google Forms<forms-receipts-noreply@google.com>

r_monaghan@outlook.com

Google Forms

Thanks for filling out [2023 LGT EAC Native Tree Give-Away Registration](#)

Here's what was received.

2023 LGT EAC Native **Tree** Give-Away Registration

Please provide your contact information below, then choose which **tree** you would like to pick up to plant on your Lower Gwynedd Township property, and the time slot during which you will pick up your **tree** on Saturday, October 14th. Be sure to review the information on our [webpage](#) with details on the types of **trees** and instructions for pickup. After you click the submit button you will receive a confirmation email. Check your spam folder if you don't see the email. Print this email and bring with you to pickup. If you don't get a confirmation, please email lgteac+trees@gmail.com to confirm that your registration was received.

Email *

Last Name *

First Name *

Address *

Phone Number *

Which type of **tree** would you like?

Please review the [tree descriptions](#) and note the growing conditions each species requires as well as the mature size to make sure you choose a **tree** that will thrive on your property. Should a **tree** species no longer be listed all of that variety have been reserved. Please make a different choice.

Tree Choice #1 *

Sweet Bay Magnolia
White Fringe Tree
Autumn Brilliance Serviceberry
Eastern Redbud
Witch Hazel
Pagoda Dogwood
Black Gum
Red
Maple
White Oak
Willow Oak

Secondary Tree Choices - we will do our best to honor everyone's first choice, but there are a limited number of each variety, so please check off any additional tree species which would work for your property, should your first one no longer be available.

Sweet Bay Magnolia
 White Fringe Tree
Autumn Brilliance Serviceberry
Eastern Redbud
Witch Hazel
Pagoda Dogwood
Black Gum
Red
Maple
White Oak
Willow Oak

Pick-up Time - to avoid long lines at pick-up we are asking everyone to choose a half hour time slot during which you will arrive to pick up your tree and bag of mulch. You are reserving your tree type now, so the time you choose has no bearing on which tree type you receive. Pick a time that is most convenient for you. **Make sure that when you come to pick up your tree that you are driving a vehicle large enough to hold a 4-6' potted tree.***

8 - 8:30am
8:30 - 9am
9 - 9:30am
9:30 - 10am
10-10:30am

10:30-11am

11-11:30am

How did you hear about the Native **Tree Giveaway** (check all that apply) *

Township newsletter

Township e-news

Township website

Word of mouth

Table at Fall Fest

Postcard

Facebook post

other social media

Received a
tree last year

Other: EAC

Are you interested in becoming an EAC Volunteer? The LGT EAC has many opportunities for residents to help us with our mission to educate, facilitate and promote sustainable practices within Lower Gwynedd Township and the greater community through educational workshops and programs, articles and community events. Please check any boxes below and someone will be in touch with more information for you to get involved.

I would like to help with this year's **tree giveaway** on October 14th, please send me a link to the sign-up

I'm not available to help on the 14th, but am interested in other **tree** related volunteer opportunities

I am interested in helping with stormwater management issues

I am interested in helping with recycling/waste reduction issues

I am interested in helping with energy conservation issues

I am interested in attending upcoming EAC meetings to possibly join the committee as an associate member

Other:

2024 Plant List

Eastern Redbud- 50

White Oak- 25
Magnolia 'Moonglow'- 25
Witch Hazel- 25
White Fringe- 25
Black Gum (Tupelo)- 25
Serviceberry 'Autumn Brilliance'- 50
Red Maple- 25
Spicebush- 25
Winterberry Holly- 25

Total Quantity 300

4. Equipment needed: Police assistance, public works staff, township staff, event signage, barricades to block off areas to maintain the flow of traffic, 2 registration tables, cones. Sticks and labels for each group of plant species, skid loader to move plants and mulch.

5. Volunteers: Solicited from the community.

EAC members monitor progress during tree distribution.

6. Pre-program/project planning steps and responsible party: Tree Subcommittee: Brenda, Suzanne, Rea, LGT staff, LGT Public works, LGT police.

7. Pre-program/project planning steps and responsible party:

Refer to 2. and 3.

8. Publicity/marketing: Township and EAC Facebook pages, e-news updates, events section of EAC webpage, events section of the township's website, spring and fall township print 8

9. Other/future considerations:

Rain barrel workshop and giveaway (Rea/Suzanne)

1. *Description of program/project:* Distribution of rain barrels to LGT residents- 1 rain barrel per household.
2. *Program requirements:*
 - a. must be LGT resident
 - b. must attend an education class which instructs residents on successful rain barrel installation and maintenance
3. *Program details:*
 - a. first come, first served
 - b. must provide a photo of installed rain barrel to EAC
 - c. Education class features benefits of rain barrels, installation techniques and ongoing maintenance requirements
4. *Dates/seasons/locations:*

Beneficial to offer the program early spring. Beneficial to offer 1-2 workshops per year rather than offering multiple workshops. The first program was held at the Penllyn Woods Community Building. There was concern about having the capability to show a PowerPoint presentation given special requirements, no WIFI and the need for a projector screen.

The township is pursuing funding to make the building WIFI accessible, which would help with future programming.

4. *Budget:* Seek funding on an annual basis with BOS approval.
5. *Program committee:* Suzanne and Rea.
6. *Equipment needed:* Computer/projector and hdmi cable; tables and chairs in the Community building for attendees; tables in the vestibule for registration and display of EAC items.
7. *Volunteers:* EAC with LGT staff support

Perhaps 1-2 volunteers to help registrants load rain barrels in their vehicle. One EAC member to check off registrants and inquire if they would like to sign up for LGT e-news, etc., or volunteer at a future EAC program.

We should have volunteer waivers on hand for volunteers who help with programming. A waiver is good for all township volunteer events for one year.

8. *Pre-program/project planning steps and responsible party:*
 - a. get BOS approval and funding
 - b. set a date based on space availability
 - c. locate rain barrels
 - d. barrel order is submitted by LGT staff
 - e. barrel delivery/storage is handled by LGT staff

- f. coordinate resident sign-up (including waitlist)

9. *Publicity/marketing:*

EAC website, LGT website and e-news updates. Consider social media in the future (e.g. LGT Instagram account, Facebook page and continue to post to EAC Facebook page).

10. *Other/future considerations:* Location in community building was great for indoor/outdoor space but power point was hard to read because of lighting. The projector Suzanne used was very helpful and made viewing the presentation easier than if it was just displayed on a wall.

Offer one workshop rather than multiple workshops. This will help ensure that those who really want a rain barrel and plan to use the barrel will attend. It must be mandatory that people attend the workshop and take home their rain barrel end of the event. The township cannot store excess rain barrels and EQC members cannot hand-deliver rain barrels to individual homes.

The EAC MUST stress only one barrel per households- **no exception.**

Memorandum

To: Environmental Advisory Council Members
From: Sandi Feight, Recreation Director
Date: September 5, 2024
Re: PECO Pollinator Gardens – Pen Ambler & Oxford Park Master Plans

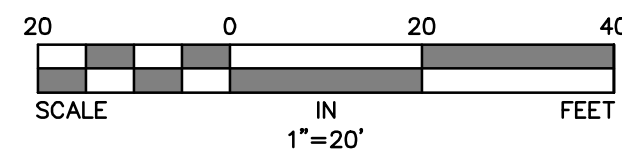
Attached you will find two pollinator gardens designed by Gilmore & Associates. The funding for these two gardens was through a grant from PECO.

The Environmental Advisory Council is being asked:

1. Review the plant list for the two gardens.
2. Make a recommendation on the ideal time to install, (Fall 2024 or Spring 2025).



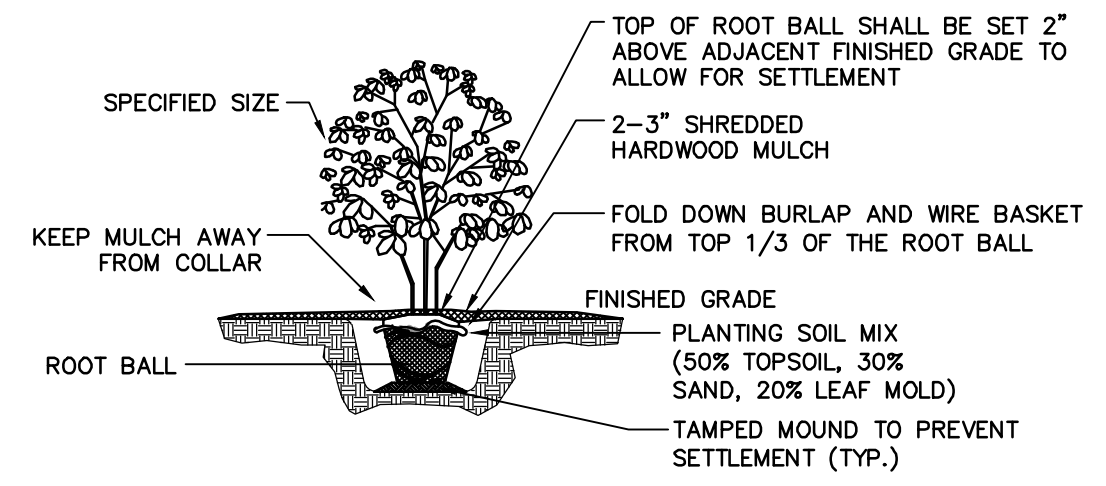
AERIAL IMAGERY - GOOGLE, 2022
 PARCELS & ROADS - MONTGOMERY COUNTY PLANNING COMMISSION, 2022
 IMPERVIOUS SURFACES - DVRPC, 2015
 LIDAR TOPOGRAPHY - PaMAP, 2008



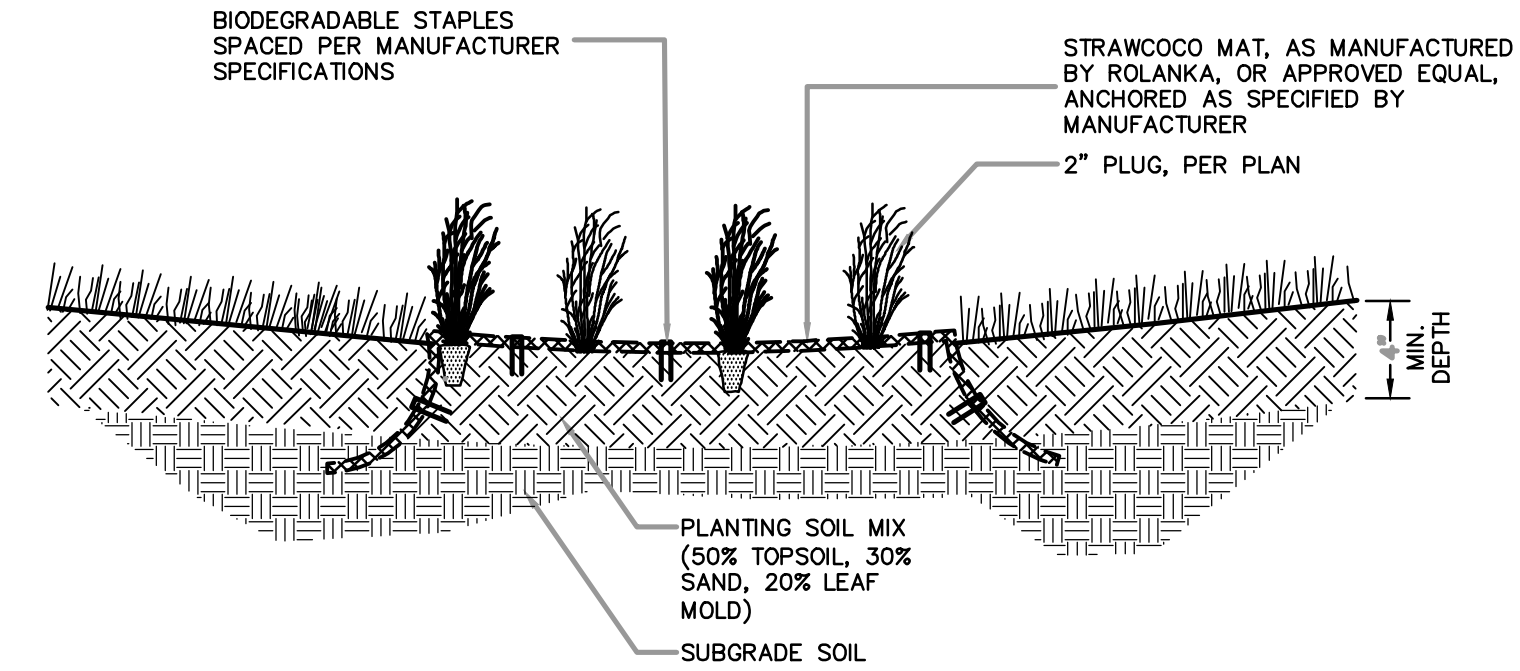
PLANT SCHEDULE - OXFORD PARK					
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT
SHRUBS					
CL	3	CALLICARPA AMERICANA	BEAUTYBERRY	36" MIN	C CONT
CE	3	CEANOTHUS AMERICANUS	NEW JERSEY TEA	24" MIN	C CONT
PLUGS					
AT	50	ASCLEPIAS TUBEROSA	BUTTERFLYWEED	50 LP	PLUG
CO	100	COREOPSIS LANCEOLATA	LANCELEAF COREOPSIS	50 LP	PLUG
EC	50	EUPHORBIA COROLLATA	FLOWERING SPURGE	50 LP	PLUG
PD	100	PENSTEMON DIGITALIS	FOXGLOVE BEARDTONGUE	50 LP	PLUG
SR	100	SOLIDAGO RUGOSA	WRINKLELEAF GOLDENROD	50 LP	PLUG

PLANTING NOTES:

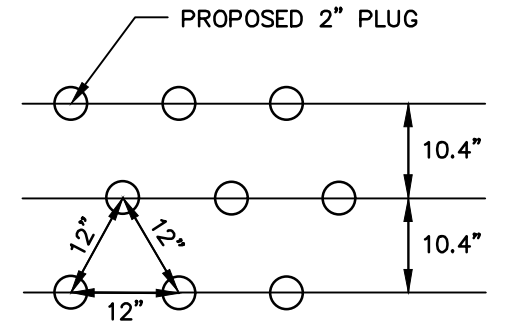
1. PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED INCLUDING ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, INCIDENTALS AND CLEAN UP.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT.
3. PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY, HAVE NORMAL GROWTH HABITS, WELL DEVELOPED BRANCHES, BE DENSELY FOLIATED, HAVE VIGOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND INJURIES.
4. CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF THE PLANT MATERIAL.
5. ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. PROVISIONS SHALL BE MADE FOR A GUARANTEE OF AT LEAST EIGHTEEN (18) MONTHS FOR SHRUBS. REPLACEMENT SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
6. INsofar as it is PRACTICABLE, PLANT MATERIALS SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE (3) DAY PERIOD AFTER DELIVERY.
7. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH THE 1990 "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN INC., LATEST EDITION.
8. ALL PLANTS SHALL BE PLANTED IN TOPSOIL THAT IS THOROUGHLY WATERED AND TAMPED AS BACKFILLING PROGRESSES. NOTHING BUT SUITABLE TOPSOIL, FREE OF DRY SOD, STIFF CLAY, LITTER, ETC., SHALL BE USED FOR PLANTING.
9. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE.
10. SET ALL PLANTS PLUMB AND STRAIGHT. SET AT SUCH A LEVEL THAT AFTER SETTLEMENT, A NORMAL OR NATURAL RELATIONSHIP TO THE CROWN OF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE PLANT IN THE CENTER OF THE PLANTING PIT.
11. EACH SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE TO PRESERVE NATURAL CHARACTER OF THE PLANT. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS.
12. LANDSCAPING CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO PLACEMENT OF LANDSCAPE MATERIAL. CONTRACTOR SHALL NOT PLACE LANDSCAPING MATERIAL ON TOP OF UTILITY PIPING.
13. PLAN QUANTITIES SHALL SUPERCEDE PLANT LIST.



SHRUB PLANTING AND SHRUB BED PREPARATION
NOT TO SCALE



PLUG PLANTING DETAIL
NOT TO SCALE



PLUG SPACING DETAIL
NOT TO SCALE



LEGEND

	EXISTING	PROPOSED
EDGE OF PAVE	=====	-----
LEGAL RIGHT-OF-WAY	=====	-----
PROPERTY LINE	-----	-----
MAJOR CONTOURS	-----	-----
SHRUB		⊕

GILMORE & ASSOCIATES, INC.
 ENGINEERING & CONSULTING SERVICES
 95 EAST BUTLER AVENUE, SUITE 100, NEW BRITAIN, PA 19001 • (215) 345-4330 • www.gilmoreassoc.com
 ONLY THOSE PLANS INCORPORATING THE PROFESSIONAL SEAL SHOULD BE USED FOR CONSTRUCTION. ANY CHANGES TO THESE PLANS MUST BE SPECIFICALLY FOR THE CLIENT AND PROJECT DESIGNATED HEREON. MODIFICATION, REVISION, DUPLICATION OR USE WITHOUT THE WRITTEN PERMISSION OF GILMORE & ASSOCIATES, INC. IS PROHIBITED.
 © COPYRIGHT 2024 GILMORE & ASSOCIATES, INC. ALL RIGHTS RESERVED.

PENNSYLVANIA ONE CALL SYSTEM, INC.
 925 Irish Run Road
 West Mifflin, Pennsylvania
 15122 - 1078

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA! CALL 1-800-242-1776
 NON-MEMBERS MUST BE CONTACTED DIRECTLY
 PA LAW REQUIRES THREE WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH
 SERIAL NO. #####

LOCATIONS OF EXISTING UNDERGROUND UTILITIES/FACILITIES SHOWN HEREON HAVE BEEN DEVELOPED FROM RECORDS, FIELD MARKOUTS BY UTILITY OWNERS, AND/OR ABOVE-GROUND OBSERVATION OF THE SITE. NO EXCAVATIONS WERE PERFORMED IN THE PREPARATION OF THESE DRAWINGS; THEREFORE ALL UTILITIES SHOWN SHOULD BE CONSIDERED APPROXIMATE IN LOCATION, DEPTH, AND SIZE. THE POTENTIAL EXISTS FOR OTHER UNDERGROUND UTILITIES/FACILITIES TO BE PRESENT WHICH ARE NOT SHOWN ON THE DRAWINGS. ONLY THE VISIBLE LOCATIONS OF UNDERGROUND UTILITIES/FACILITIES AT THE TIME OF FIELD SURVEY SHALL BE CONSIDERED TRUE AND ACCURATE. COMPLETENESS OR ACCURACY OF UNDERGROUND UTILITIES/FACILITIES ARE NOT GUARANTEED BY GILMORE & ASSOCIATES INC.

ALL CONTRACTORS WORKING ON THIS PROJECT SHALL VERIFY LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES/FACILITIES PRIOR TO START OF WORK AND SHALL COMPLY WITH THE REQUIREMENTS OF P.L. 852, NO. 287 DECEMBER 10, 1974 AS LAST AMENDED ON APRIL 28, 2018 PENNSYLVANIA ACT 50. GILMORE & ASSOCIATES INC. HAS OBTAINED A PA-ONE CALL SERIAL NUMBER AS NOTED HEREON FOR DESIGN PURPOSES ONLY.

REV.	DATE	DESCRIPTION	BY

LANDSCAPE PLAN
LOWER GWYNEDD TOWNSHIP PECO POLLINATOR GARDENS
 LOWER GWYNEDD TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA
OXFORD PARK POLLINATOR GARDEN

GILMORE & ASSOCIATES, INC.
 ENGINEERING & CONSULTING SERVICES

PROJECT No.: 9991022

OWNERS INFO:
 LOWER GWYNEDD TOWNSHIP
 1130 NORTH BETHLEHEM PIKE
 SPRING HOUSE, PA 19477
 215-646-5302

MUNICIPAL FILE No.:

TAX MAP PARCEL No.: 39-00-04846-00-2

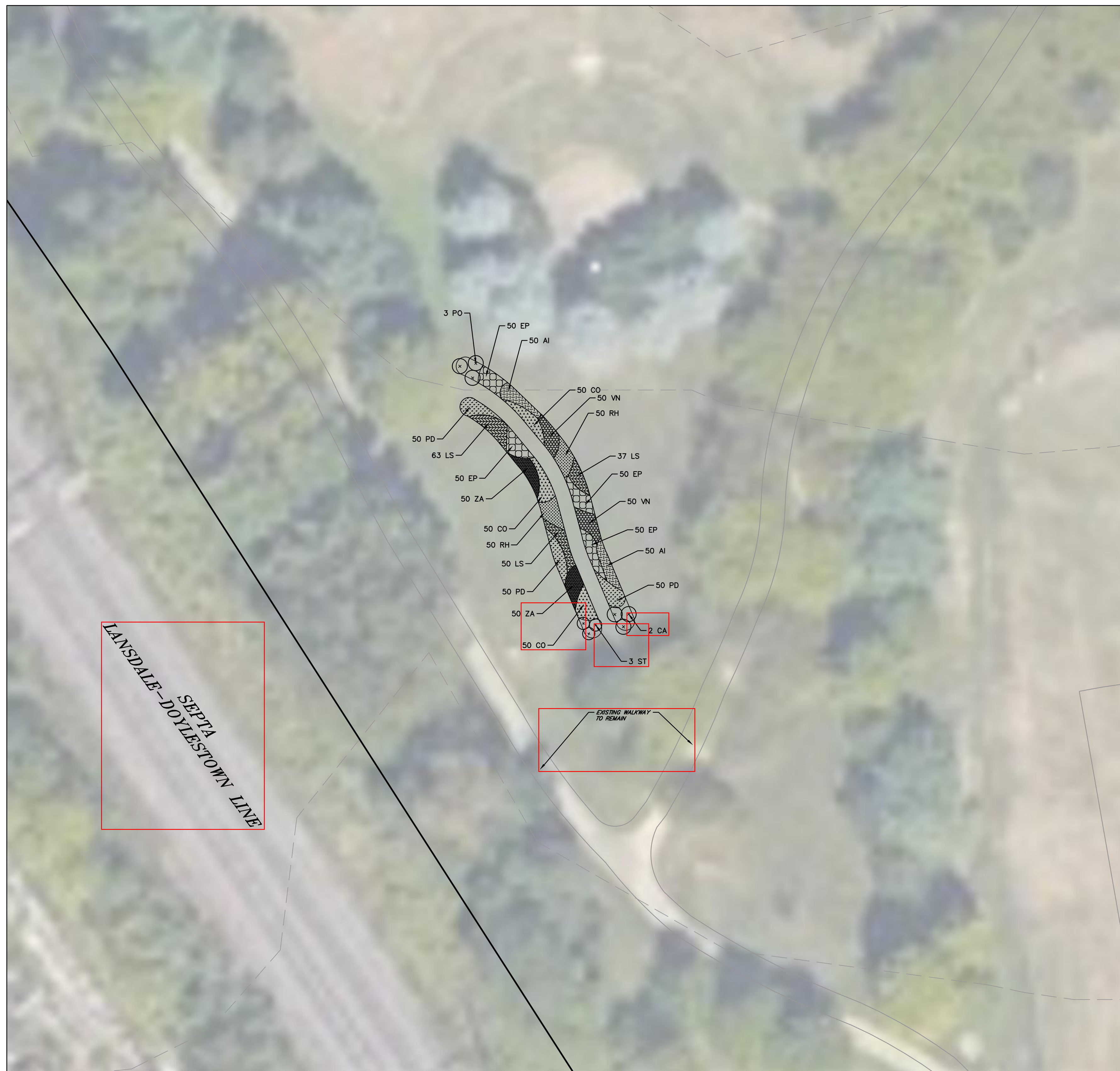
TOTAL AREA: 7.8 AC TOTAL LOTS: 1

DATE: 09/04/24 SCALE: 1"=20'

DRAWN BY: TPL CHECKED BY: JSJ

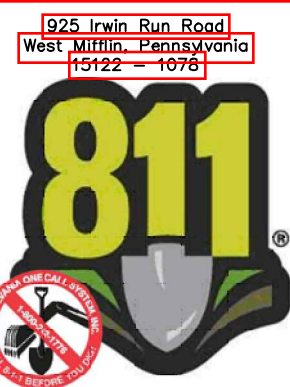
SHEET NO.: 2 OF 2

\\net1\gilmore\local\server1\MUNICIPAL\2024\2210\08-L01_Park Master Plans - DCED Grant\Master Plans\Pollinator Garden Aerials.dwg Layout: Pen-Ambler Park Pollinator Garden Plotted By: ldevin, on Wed Sep 04, 2024 at 2:48pm



AERIAL IMAGERY - GOOGLE, 2022
 PARCELS & ROADS - MONTGOMERY COUNTY PLANNING COMMISSION, 2022
 IMPERVIOUS SURFACES - DVMPC, 2015
 LIDAR TOPOGRAPHY - PDMAP, 2008

PENNSYLVANIA ONE CALL SYSTEM, INC.



BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776. NON-MEMBERS MUST BE CONTACTED DIRECTLY.

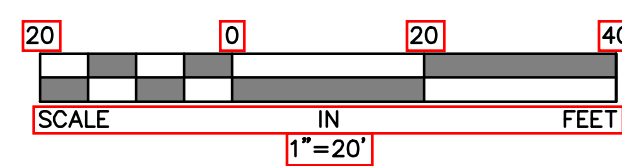
PLEASE REMEMBER THESE WORKING DAYS: NOTICE TO UTILITIES BEFORE YOU EXCAVATE (DRILL, BERT, OR DEMO) SERIAL NO. #####

LOCATIONS OF EXISTING UNDERGROUND UTILITIES/FACILITIES SHOWN HEREON HAVE BEEN DEVELOPED FROM RECORDS, FIELD MARKOUTS BY UTILITY OWNERS, AND/OR ABOVE-GROUND OBSERVATION OF THE SITE. NO EXCAVATIONS WERE PERFORMED IN THE PREPARATION OF THESE DRAWINGS; THEREFORE ALL UTILITIES SHOWN SHOULD BE CONSIDERED APPROXIMATE IN LOCATION, DEPTH, AND SIZE. THE POTENTIAL EXISTS FOR OTHER UNDERGROUND UTILITIES/FACILITIES TO BE PRESENT WHICH ARE NOT SHOWN ON THE DRAWINGS. ONLY THE VISIBLE LOCATIONS OF UNDERGROUND UTILITIES/FACILITIES AT THE TIME OF FIELD SURVEY SHALL BE CONSIDERED TRUE AND ACCURATE. COMPLETENESS OR ACCURACY OF UNDERGROUND UTILITIES/FACILITIES ARE NOT GUARANTEED BY GILMORE & ASSOCIATES INC.

ALL CONTRACTORS WORKING ON THIS PROJECT SHALL VERIFY LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES/FACILITIES PRIOR TO START OF WORK AND SHALL COMPLY WITH THE REQUIREMENTS OF P.L. 852, NO. 287 DECEMBER 10, 1974 AS LAST AMENDED ON APRIL 28, 2018 PENNSYLVANIA ACT 50.

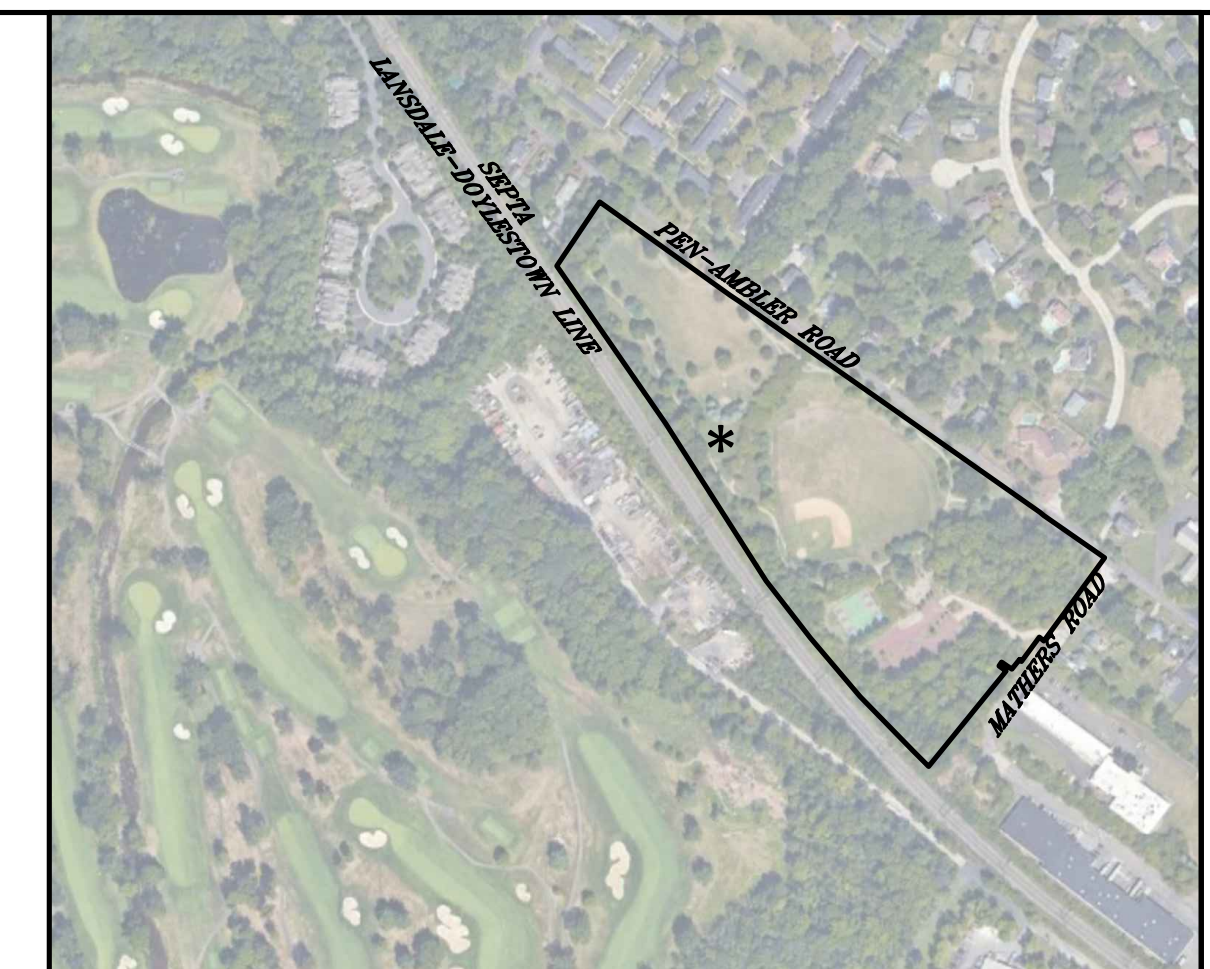
GILMORE & ASSOCIATES INC. HAS OBTAINED A PA-ONE CALL SERIAL NUMBER AS NOTED HEREON FOR DESIGN PURPOSES ONLY.

PLANT SCHEDULE - PEN-AMBLER PARK					
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT
CA	3	CLETHRA ALNIFOLIA	SUMMERSWEET	36" MIN	CONT
PO	3	PHYSOCARPUS OPULIFOLIUS	COMMON NINEBARK	36" MIN	CONT
ST	3	SPIRAEA TOMENTOSA	STEEPLEBUSH	18" MIN	CONT
PLUGS					
AI	100	ASCLEPIAS INCARNATA	SWAMP MILKWEED	50LP	PLUG
CO	150	COREOPSIS LANCEOLATA	LANCELEAF COREOPSIS	50LP	PLUG
EP	200	ECHINACEA PURPUREA	PURPLE CONEFLOWER	50LP	PLUG
LS	150	LOBELIA SIPHILITICA	GREAT BLUE LOBELIA	50LP	PLUG
PD	150	PENSTEMON DIGITALIS	FOXGLOVE BEARDTONGUE	50LP	PLUG
RH	100	RUDBECKIA HIRTA	BLACK-EYED SUSAN	50LP	PLUG
VN	100	VERNONIA NOVEBORACENSIS	NEW YORK IRONWEED	50LP	PLUG
ZA	100	ZIZIA AUREA	GOLDEN ALEXANDERS	50LP	PLUG



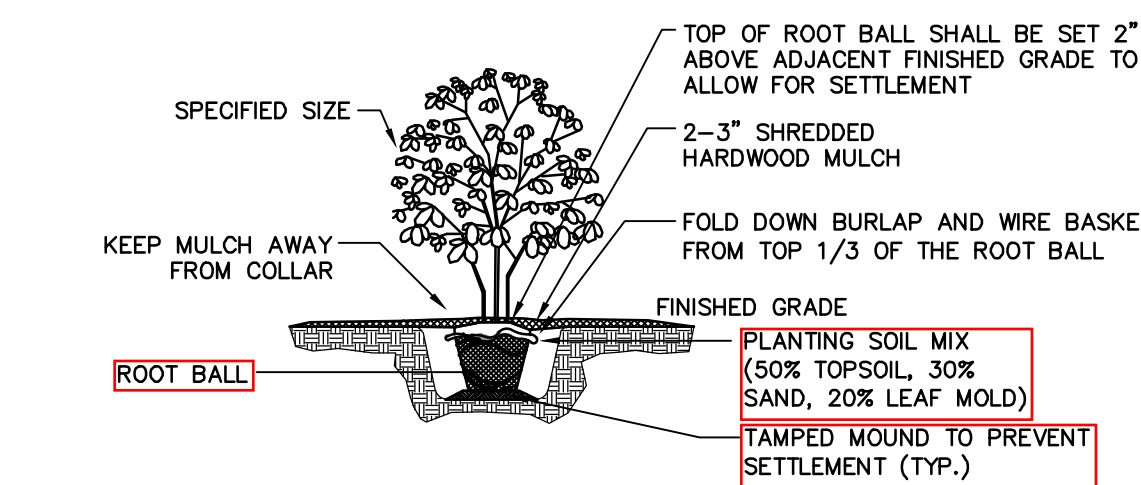
PLANTING NOTES:

- PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED INCLUDING ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, INCIDENTALS AND CLEAN UP.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT.
- PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY, HAVE NORMAL GROWTH HABITS, WELL DEVELOPED BRANCHES, BE DENSELY FOLIATED, HAVE VIGOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND INJURIES.
- CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF THE PLANT MATERIAL.
- ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. PROVISIONS SHALL BE MADE FOR A GUARANTEE OF AT LEAST EIGHTEEN (18) MONTHS FOR SHRUBS. REPLACEMENT SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
- INSOFAR AS IT IS PRACTICABLE, PLANT MATERIALS SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE (3) DAY PERIOD AFTER DELIVERY.
- QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH THE 1990 "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMAN INC., LATEST EDITION.
- ALL PLANTS SHALL BE PLANTED IN TOPSOIL THAT IS THOROUGHLY WATERED AND TAMPED AS BACKFILLING PROGRESSES. NOTHING BUT SUITABLE TOPSOIL, FREE OF DRY SOD, STIFF CLAY, LITTER, ETC., SHALL BE USED FOR PLANTING.
- PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE.
- SET ALL PLANTS PLUMB AND STRAIGHT. SET AT SUCH A LEVEL THAT AFTER SETTLEMENT, A NORMAL OR NATURAL RELATIONSHIP TO THE CROWN OF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE PLANT IN THE CENTER OF THE PLANTING PIT.
- EACH SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE TO PRESERVE NATURAL CHARACTER OF THE PLANT. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS.
- LANDSCAPING CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO PLACEMENT OF LANDSCAPE MATERIAL. CONTRACTOR SHALL NOT PLACE LANDSCAPING MATERIAL ON TOP OF UTILITY PIPING.
- PLAN QUANTITIES SHALL SUPERCEDE PLANT LIST.

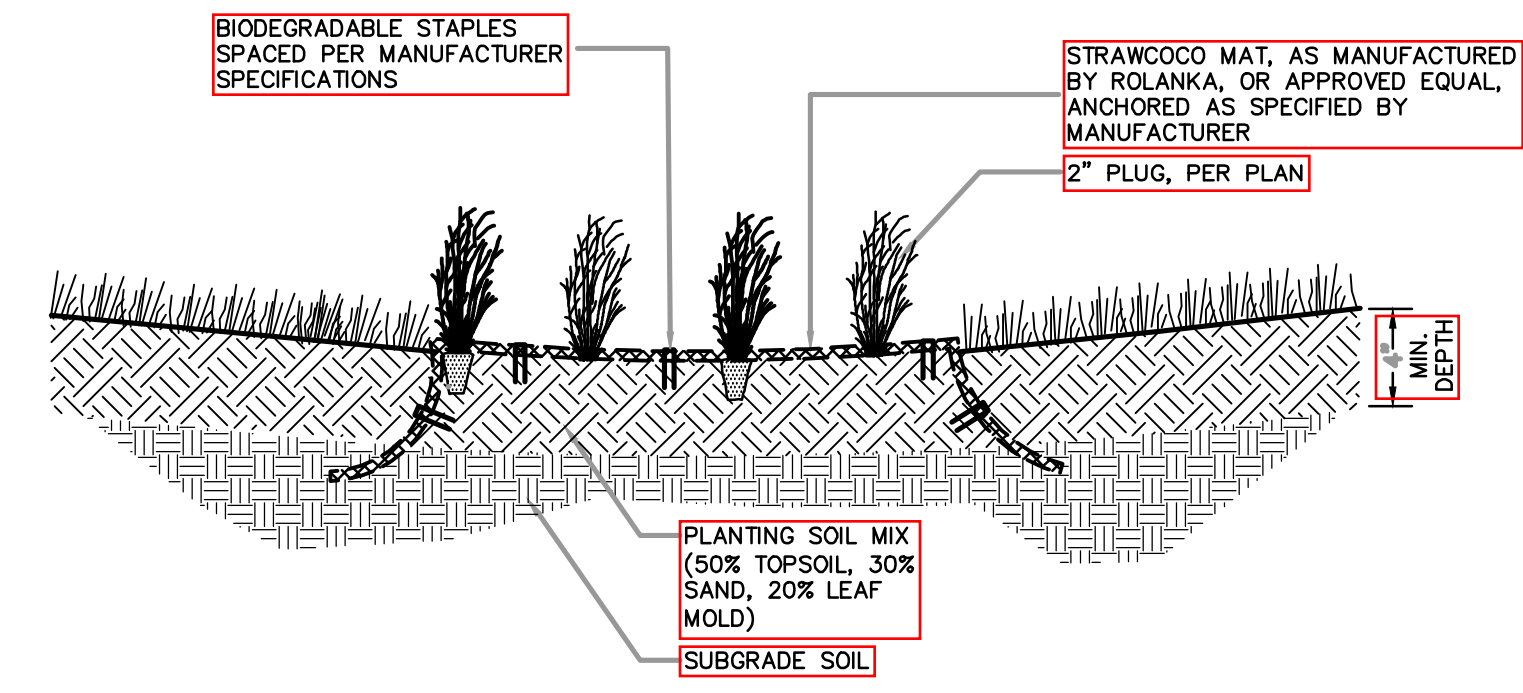


LEGEND

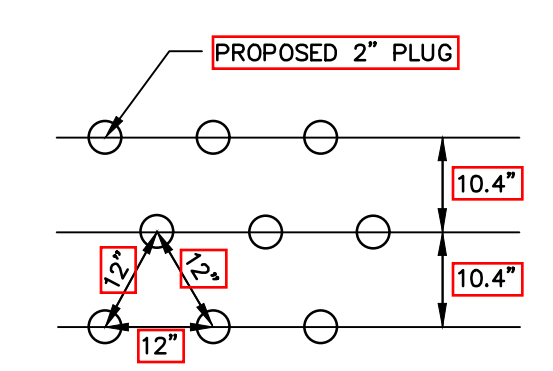
EDGE OF PAVE	=====	EXISTING
LEGAL RIGHT-OF-WAY	=====	EXISTING
PROPERTY LINE	=====	EXISTING
MAJOR CONTOURS	-----	EXISTING
SHRUB	(Symbol)	PROPOSED



SHRUB PLANTING AND SHRUB BED PREPARATION
 NOT TO SCALE



PLUG PLANTING DETAIL
 NOT TO SCALE



PLUG SPACING DETAIL
 NOT TO SCALE

GILMORE & ASSOCIATES, INC.
 ENGINEERING & CONSULTING SERVICES
 85 EAST BULLER AVENUE, SUITE 100, NEW BRITAIN, PA 19101 • (610) 348-3338 • www.gilmore-inc.com

ONLY THOSE PLANS INCORPORATING THE PROFESSIONAL SEAL SHOULD BE CONSIDERED OFFICIAL AND RELIED UPON BY USER. THIS PLAN IS PREPARED SPECIFICALLY FOR THE CLIENT AND PROJECT DESIGNATED HEREON. NO OTHER USE OR REPRODUCTION OF THIS PLAN WITHOUT THE CONSENT OF GILMORE & ASSOCIATES, INC. IS PROHIBITED.
 © COPYRIGHT 2024 GILMORE & ASSOCIATES, INC. ALL RIGHTS RESERVED.

DATE:	
BY:	
DATE:	
DESCRIPTION:	
REV:	

LANDSCAPE PLAN
LOWER GWYNEDD TOWNSHIP PECO POLLINATOR GARDENS
 LOWER GWYNEDD TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA
PEN-AMBLER PARK POLLINATOR GARDEN

GILMORE & ASSOCIATES, INC.
 ENGINEERING & CONSULTING SERVICES

PROJECT No.: 9991022
 OWNERS: PECO ENERGY SERVICES
 LOWER GWYNEDD TOWNSHIP
 1130 NORTH BETHLEHEM PIKE
 SPRING HOUSE, PA 19477
 (215-646-3302)

MUNICIPAL FILE No.:
 TAX MAP PARCEL No.: 39-00-03934-50-7
 TOTAL AREA: 18.57 AC TOTAL LOTS: 2
 DATE: 09/04/24 SCALE: 1"=20'
 DRAWN BY: TPL CHECKED BY: JSC

SHEET NO.: **1 OF 2**