

Burlington Conservation Board
645 Pine Street
Burlington, VT 05401
<http://www.burlingtonvt.gov/dpi>
Telephone: (802) 865-7188

Zoe Richards, Chair
Rebecca Roman
Don Meals
Miles Waite
Ryan Crehan
Hannah Brislin
Caryn Connolly
Kyle Tansley
Lina Swislocki
Elizabeth Cunningham, Student



Conservation Board Meeting Public Notice

Monday, January 8, 2024, 5:30 PM

645 Pine Street, Front Conference Room or Remote via Zoom

Zoom: <https://zoom.us/j/95005088781?pwd=RjhxZ0lPejFIQWs3WTUwaGxZVzFZZz09>

Webinar ID: 950 0508 8781

Password: 132947

Telephone: 1 929 205 6099

1. Minutes

- 1.1. Accept minutes from December 4, 2023 meeting
- 1.2. Draft minutes of January 8, 2024 meeting

2. Board Comment

3. Public Comment

4. Open Space Subcommittee

- 4.1. Legacy Fund Grant
Review and approval of grant awards recommended by the review committee

5. Project Review

- 5.1. ZP-23-545; 245 Appletree Point Rd (WRL, Ward 4) Ramsay Gourd Architects / 507 J, LLC
Demolition of existing residence to construct a new modern residence in the same footprint

6. Update & Discussion

- 6.1. Champlain Parkway Trees
Discussion with Public Works staff as to trees installed and possible alternatives
- 6.2. 2024 Work Plan Items
Review and prioritization of work plan items from June, 2023 retreat

7. Adjournment

- 7.1. Motion to adjourn

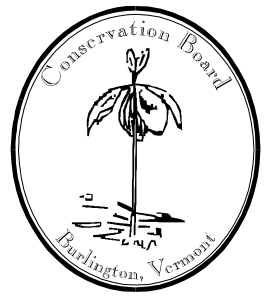
8. Informational and Non-Discrimination Statements

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Conservation Board Meeting Minutes

Monday, December 4, 2023 – 5:30 pm
Remote & In Person Meeting

Attendance

- **Board Members:** Zoe Richards (ZR), Miles Waite (MW), Ryan Crehan (RC), Caryn Connolly (CC), Don Meals (DM), Elizabeth Cunningham (EC)
- **Absent:** Rebecca Roman (RR), Kyle Tansley (KT), Hannah Brislin (HB)
- **Public:** Dave Marshall, Josh Robinson, Lyall Smith, Joe Weith, Marty Spaulding
- **Staff:** Scott Gustin (Permitting & Inspections)

ZR, chair, called the meeting to order at 5:31 p.m.

Minutes

CC said her comment at the top of page 3 should read: I am concerned that they are coming to us with no ownership interest. The city also does not own the property, so we cannot discuss it until they have an ownership interest or the city does.

MW said his comment on page 3 should read: We are not here to consider action on 501 Pine Street. In order to contemplate conserving this land, you need to partner with the land owner.

A MOTION was made by MW and SECONDED by RC:

Approve the November 6 minutes as corrected.

Vote: 5-0-0, motion carried.

Board Comment

ZR noted that Callery Pear trees were planted along the Champlain Parkway. They are not yet classified as invasive, but they are on species watch list to avoid. She thinks this should be brought to the attention of the DPW Commission.

DM asked about the point. ZR said it would be to remove them. DM said it may be difficult to remove them if they are not actually included on the invasive species list. MW questioned how they ended up on the planting plan. RC would like to see the current planting plan in time to review at the January meeting. SG will reach out to Chapin Spencer.

ZR, in January, let's revisit comments from our June retreat and integrate the items into the Board's work schedule for the year.

ZR noted recent VT legislation to conserve 30% of the state by 2030.

SG noted preliminary work on the Open Space Protection Plan rewrite and including the forest plan within that.

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RC mentioned VT shoreland protection training coming up this winter.

Public Comment

None.

Open Space Subcommittee

SG noted the Open Space Subcommittee started its review of 6 Conservation Legacy Fund grant applications.

Project Review

1. ZP-23-536; 52 Institute Road (I, Ward 4) Burlington School District

Additional tree clearing associated with construction of new high school.

Josh Robinson, Lyall Smith, Joe Weith, Dave Marshall, and Marty Spaulding appeared on behalf of the application.

Joe Weith overviewed the application. He noted that onsite soil contamination is driving the application and the need to affect this area with additional tree clearing. The recommendation is to cap the area with 18" of new soil. This will kill the existing trees. The area will, therefore, be cleared. The soils will be stabilized and replanted.

DM, what's the total area? Joe Weith, 8,000+ sf. Dave Marshall noted correspondence with VT Forest & Parks.

RC, what's growing there now? Joe Weith replied, sugar maples, hackberry, and buck thorn, hickory, red oak, and a few pine trees.

MW, will there be a fence to keep folks out of the area? Dave Marshall, the intent is to cap the areas to prevent human contact. Lacking that cap, a fence would be needed. MW, are you seeking less than the typical 18"? Dave Marshall, we discussed that with the state folks. Due to the irregularity of topography, the state felt that a full 18" cap was needed.

RC, what are you thinking of for new plantings? Marty Spaulding said the School District would donate \$1,000 to Parks & Rec for them to install trees. RC noted that is a paltry amount. The proposed amount of disturbance will lead to more buckthorn.

ZR, does the tree clearing need to happen in order to install the cap? Marty Spaulding, the required 18" of soil will likely kill any existing trees.

Josh Robinson, we've discussed saving the trees at length with the city arborist. He noted blasting work nearby for utility work will occur as well. Use of 6" soil has been considered. The ground is uneven and difficult to access.

RC wants to see a list of species and size to be planted. ZR, we could ask Parks to share the planting plan before planting new trees.

A MOTION was made by ZR and SECONDED by MW:

Recommend approval of the project as presented with the understanding that Parks will bring the potential planting and maintenance plan to the Board prior to installation. The plan will include provision to avoid invasive plant species. Opportunity to share information onsite with students would be value-added.

Vote: 4-1-0, motion failed

RC, it seems weird we're putting this on Parks to do the leg work. Parks is not the applicant. ZR, they offered to do it. DM, they have the expertise, whereas the school district does not. RC would like to see a plan of what will be done and timeline for doing so. Parks is not here tonight to agree or not. We should have something to review. Any other project would include a proposed planting plan.

A MOTION was made by DM and SECONDED by RC:

The Conservation Board understands the need for this work. We are reluctant to approve at this time because there is no commitment from Parks for long term maintenance, and we need to see a planting plan. For those reasons, we are not prepared to endorse the project as presented.

Discussion: MW, I'm not sure what this will do except delay the contractor's ability to do the work. RC, we could conditionally approve if Dan Cahill or Parks provides a plan that Parks & Rec agrees with. Basically, we could defer to the Land Steward. MW, potentially contingent on city arborist approval. CC, do the plantings occur concurrently with cutting the trees and soil installation? Josh Robinson said the soil could be installed early winter. Planting won't occur until spring.

DM withdraws motion.

A MOTION was made by MW and SECONDED by CC:

We approve the proposed tree cutting with the following condition.

1. Prior to replanting, a planting and management plan, developed by Parks & Recreation, is subject to review and approval by the Conservation Board.

Vote: 5-0-0, motion carries

Update & Discussion

1. 2024 Meeting Schedule

Review and approve 2024 meeting schedule

A MOTION was made by DM and SECONDED by RC:

Approve the 2024 meeting schedule.

Vote: 5-0-0, motion carried.

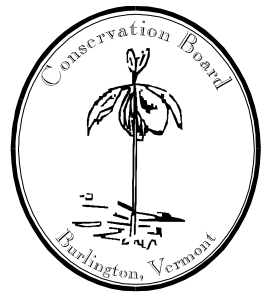
Adjournment

6:27 PM.

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Conservation Board Meeting Minutes

Monday, January 8, 2024 – 5:30 pm

Remote & In Person Meeting

Attendance

- **Board Members:** Zoe Richards (ZR), Miles Waite (MW), Ryan Crehan (RC), Hannah Brislin (HB), Caryn Connolly (CC), Rebecca Roman (RR), Elizabeth Cunningham (EC), Kyle Tansley (KT), Don Meals (DM)
- **Absent:**
- **Public:**
- **Staff:** Scott Gustin (Permitting & Inspections), Dan Cahill (Parks & Rec), Chapin Spencer and Norm Baldwin (Public Works)

RR, vice chair, called the meeting to order at 5:31 p.m.

Minutes

December 4, 2023 minutes

A MOTION was made by MW and SECONDED by HB:

Approve the December 4 minutes as written.

Vote: 7-0-0, motion carried. (No ZR)

Board Comment

None.

Public Comment

None.

Open Space Subcommittee

1. Legacy Fund Grant

Review and approval of grant awards recommended by the review committee

RR and SG noted the City Attorney's Office recommendation that City Council approval be sought for the expenditure of legacy funds for grants to be acted on by the Board tonight.

DM noted the two December joint committee meetings including Conservation Board and Parks Commission members. They decided to approve and fully fund 3 applications: VYCC, VT Gardening Network, and Burlington Wildways proposals. Total is about \$152,100. He said the committee discussed the degree of overlap between some of the proposals, especially Wildways and VYCC as trails and

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stewardship work in the Intervale. VYCC is more about physical trail work, whereas Wildways is more focused on stewardship.

DM noted need for final reporting. SG said there is a reporting requirement in the grant agreement.

A MOTION was made by DM and SECONDED by KT:

Approve the grant applications by VYCC, VT Gardening Network, and Burlington Wildways for full funding and forward to City Council.

Discussion: DC noted the review committee was a joint committee between BCB and Parks Commission.

Vote: 7-0-0 (no ZR)

Project Review

Deferred.

Update & Discussion

ZR joined the meeting in progress.

1. Champlain Parkway Trees

Chapin Spencer & Norm Baldwin appeared on behalf of this item.

Norm Baldwin, the Parkway has a long history. Numerous people have come and gone during the project lifetime. When the project goes out to bid, there may be some items that are out of date. One of those elements in this case was the trees. They were reviewed and approved following conversations with stakeholders. Changes were not made previously out of caution to limit potential for litigation. At this point, there is opportunity for some changes. We think there is potential now to remove and replace these trees more aligned with what Parks is now seeking. Some of the trees have been replaced already. The permit and costs need to allow for it.

RR, to be clear, all of the pear trees will be removed? Chapin Spencer, yes, all of the pear trees. 26 were planted, and 11 have been replaced. The remainder will be changed in the spring. Our design team is re-reviewing comments from Parks.

ZR said she spoke with VJ Comai (city arborist) today. He felt that he made clear the pear trees should not be installed. Chapin Spencer noted the prior review and comments from Parks at a time when there was risk for litigation. At this stage, we have some flexibility to address the problem with the pear trees.

Norm Baldwin noted ongoing conversations between DPW and the city arborist as to tree plantings and retention. ZR asked if the BCB can see the plans for trees along Pine Street. She said we discount trees as infrastructure. She appreciates the complexity of the Champlain Parkway project. How can we help?

Chapin Spencer noted the incredible partners on Great Streets and other newer projects. The Parkway is a legacy project with parameters defined years ago. We work well with Parks. If there's a role for the Conservation Board, we can have that conversation too. The only trees planted along Pine Street as part of the Parkway are in front of the Maltex building.

RC, thanks for taking on this item. We review major developments, shoreline projects. We frequently look at planting plans. We would love to review project plans and give comment.

ZR, nobody intends to lessen the city's tree canopy, but it happens. How do we deal with green infrastructure impacts of one-off projects like the High School and the Parkway?

Norm Baldwin noted recently adopted engineering standards of practice for city projects. Chapin Spencer said we did work with the arborist as to soil volumes for trees.

ZR, could we see some of the planting plans for the final phase of the Parkway project? Norm Baldwin said the plans are not ready for distribution. We have already found that the lighting at the south end of the project likely needs to be fully replaced. Chapin Spencer said landscaping plans may be ready for viewing sometime in the next few months.

2. 2024 Work Plan

SG noted that the NBS Grant program is underway.

SG said there's been preliminary work on the Comprehensive Forestry Plan – most notably the decision to include forestry within the anticipated 2025 Open Space Protection plan rewrite. We will circle back with the Spatial Analysis lab about expanding their mapping and data analysis work to include open spaces generally as opposed to just trees. Parks is working on an RFP for the effort.

ZR noted the ongoing work with respect to Intervale deer management. It may be addressed as part of the Open Space update. RR noted that in Pittsburg, where there are many more deer, there are specific deer management efforts, included controlled hunts in city parks. HB said Patrick Dunseith's reached out to them and wants to reconvene given the ongoing deer impacts. Distribution of venison will need to involve the state as to distributing hunted vs. farmed meat. HB's plan is to reach out to Patrick soon to get the conversation up and running again.

ZR noted the item as to potential conservation opportunities. This is an ongoing item. RC suggested a yearly check-in with Parks as to this item.

ZR noted the potential for a native species planting standard. One idea she has is to look at what other towns may have in place for similar standards to use as a reference. We want to encourage meeting such a standard. CC, we could use other existing standards as a starting point. RC thinks we'll lose a lot of support if we require only native species. DM, there's a big sector that we can't reach like private homeowners. We can work with local vendors to avoid invasive species. ZR will reach out to the UVM botany class to start moving on this item.

ZR noted need to update BCB application guidelines. SG offered to take a stab at drafting an update.

Adjournment

6:43 PM.

Applicant Information & Point of Contact

Applicant Name (Individual or Organization)*

Vermont Garden Network

Primary Contact Name*

Carolina Lukac

Primary Contact Email Address*

carolina@vtgardens.org

Primary Contact Phone Number*

860-391-3536

Primary Contact Street Address*

PO Box 713

Primary Contact City, State, ZIP*

Essex Junction, VT, 05453

Application Details

Project Type*

Operational Work for Sustained Implementation

If applicable, project location (must be within Burlington). Some projects, such as planning efforts, may not have a particular location.

This project will take place at various community gardens throughout Burlington. (1) Training and demonstration site: Seedsong Collective Garden at the Tommy Thompson Community Garden. (2) Establishment of a new collective garden #1: Family Room Garden at the Ethan Allen Homestead/WVPD. (3) Establishment of collective garden #2: Rock Point or Starr Farm Garden, Location TBD. (4) Skill share workshop series: 8 out of 14 community gardens throughout Burlington, exact locations TBD.

Please provide or upload a description of the proposed project (2 page limit)*

Our project proposal embodies the themes of community gardens and food security as presented in the Nature-Based Climate Solutions Addendum. We will expand the Vermont Garden Network's (VGN) mission-aligned work to support gardeners and increase access to nourishing food, while simultaneously emphasizing climate resiliency and socio-ecological adaptability.

Our first action will offer educational opportunities for Burlington residents to expand their knowledge and practical skills in small-scale food production by organizing a workshop series on climate resilient gardening. Over the course of the past two growing seasons (2022-2023), VGN co-facilitated the Garden Like a Farmer workshop series in collaboration with the Intervale Center, UVM Institute for Agroecology (iFA) and Burlington Area Community Gardens (BACG). We are eager to expand on the success of those experiences by offering an innovative nature-based solutions curriculum geared toward community and home gardeners.

The series of monthly workshops will be scheduled from March to October, with each workshop taking place at a different community garden in Burlington. Host site confirmations, scheduling, and outreach will be in partnership with BACG. A maximum of 20 participants will be welcome at each workshop, participation will be free for all Burlington residents, and registration will be managed by VGN. Workshop topics include: low and no-till bed preparation, crop variety selection, season extension & protected cultivation, soil health & composting, pest management, water conservation, cover cropping, and native perennial foodscaping. Experienced facilitators will lead each workshop to deepen participants' understanding of the effects of climate change and provide practical strategies to increase resiliency. For example, in response to unpredictable frost dates, intensifying precipitation events, and increases in temperature, growers can adopt strategies such as shifting planting dates, selecting heat tolerant cultivars, and using row cover to protect crops. We see farmers throughout Vermont adopting these strategies, however resources and supplies for small-scale gardeners are not as accessible.

Furthermore, we have also included a tool lending library and bulk supplies in the budget for our climate resilient gardening workshop series. Attendees will understand the importance of reducing carbon emissions and regenerating soil health, and they will get hands-on practice in no-till gardening by using a broadfork to aerate soil and a tilter to prep beds. Tools like these would be a significant investment for a backyard gardener, however, coordinating a tool-lending library is within the scope of VGN's work towards community-based resiliency. A skill-share workshop series like the one we are proposing - accessible, season-long, practical - will be a welcome addition to educational offerings in our city.

Our second action centers around expanding collective gardening to increase access to gardening space and offer a nature-based solution toward social cohesion and well-being. For the past four years, VGN has managed Seedsong Collective Garden (located within the Tommy Thompson Community Garden), where shared access to land and resources, intensive growing techniques, and a mentorship program empower people to grow a lot of food on a small plot of land. In addition to being an exemplary demonstration garden full of best practices for regenerative agriculture (no-till, integrated pest management, native perennials, cover cropping, and much more!), Seedsong has cultivated a skilled team of gardeners who are ready to mentor other gardeners. Through this grant, we will support a garden mentor cohort and oversee the management of two new collective gardens in Burlington.

The team of garden mentors trained at Seedsong are our biggest asset as we envision expanding collective gardening in Burlington. Mentors host weekly work shifts to meet garden members where they are at (less experienced gardeners, individuals with physical limitations, students who are only available during summer - everyone is welcome!). Mentors also host monthly potlucks and workshops, and they moderate text groups and social media posts for the collective. Grant funds will allow us to strengthen

our train-the-trainer model and form a coordinated, skilled, and dedicated garden mentor cohort.

VGN will partner with The Family Room to design and manage a collective garden at the Ethan Allen Homestead, focused on growing culturally meaningful crops for New American and migrant families. This shared garden model offers the Family Room community many opportunities: flexibility to come and go on a loose schedule, support for children and elders to participate in activities, integrating diverse ethnic and social groups, and a space where many hands make light work to produce a harvest. Our strategy for increasing access to fresh local food is two-fold: source culturally meaningful seeds to strengthen food sovereignty and encourage climate resilient gardening practices among underserved communities. VGN's strong partnerships with New Farms for New Americans and the Huertas Project will guide our work with refugee and migrant families, from identifying traditional food crops to hiring interpreters for language accessibility.

Our intention for the second collective garden we are proposing is to closely replicate the Seedsong model that is sustained by garden membership. Initial conversations with BACG encouraged us to consider Rock Point or Starr Farm as potential locations. Access to new agricultural land in Burlington is limited, however, we see a huge potential in socio-ecological systems that allow for groups of people to grow food together and transform otherwise underutilized areas into productive market gardens. The systems we have developed at Seedsong will inform garden planning, weekly work shifts, membership agreements, and other aspects of managing a collective garden. We will build on the social capacity of collective gardens to strengthen a sense of belonging and grow thousands of pounds of nourishing food through climate-resilient agricultural practices. In the words of a Seedsong garden mentor: "Collective gardening seems like the way we were meant to garden. Why do something individually when there's so much to be gained from community knowledge, from the give and take of having many people to rely on, when you can share abundance and advice and inspiration more widely!"

What is the grant amount you are requesting? (\$30,000 minimum / \$80,000 maximum)*

48560

If you are not applying as a 501 (c) 3 nonprofit, you will likely need a fiscal agent. Please specify your fiscal agent for this project. *

Vermont Garden Network is a 501 (c) 3 nonprofit.

Please specify matching funds or in-kind work, if any.*

Matching funds include:

- Membership fees from individuals joining the second collective garden (Rock Point or Starr Farm, host site TBD)
- We anticipate welcoming between 10-20 garden members, 50% of whom will be eligible to receive a full scholarship and 50% of whom will need to

contribute a membership fee. Those fees will match the scholarship amount (\$5,000) we are requesting through this grant. Thus, management fees for this collective garden are not included in the budget. (For context, our budget is based on our experience at Seedsong - for the first 2 years, we received \$10,000 and \$5,000 from Skinny Pancake to sponsor members. In 2023, Seedsong was fully sustained by members who contributed a sliding-scale fee between \$200-600; we will manage a similar funding structure for the next season at Seedsong.)

In-kind work contributions and donations include:

- Partnership with the Family Room Garden - volunteer recruitment, shared use of garden infrastructure (shade structure, tables, tool shed), and serving as the community liaison with New American and migrant families.
- Seeds & plants - We have budgeted ~\$4,000 for these essential materials, however, we anticipate receiving some donations of seeds and plants.
- Garden education and community organizing expertise - VGN brings years of experience to support this project proposal. Seedsong is a thriving collective that will serve as a hub and inspiration for future collective gardens.
- Network - Between VGN's newsletter and social media presence, we have direct contact with over 6,000 gardeners and garden-enthusiasts in Vermont. These are the people who will help us get the word out to join workshops and gardens.

Please provide or upload a budget and budget narrative explaining how funding will be used. (2 page limit) Note that written estimates for proposed work may be required for awarded projects.*

Please see attached spreadsheet "CLG-VGN Budget & Project Schedule", tab #1.

Our budget is broken down into four main categories:

1. Skill share workshops
2. Garden mentor cohort
3. Family Room Collective Garden
4. Collective Garden #2

Each category includes costs associated with project oversight (VGN full-time staff), professional fees (VGN staff & other invited workshop facilitators) and stipends (garden mentors).

Remaining costs are primarily for purchasing materials - some are consumable (seeds, plants, compost), most are supplies that will last many years (tilther, row cover, hoops, baskets).

The budget line for scholarships (\$5,000) will increase accessibility for community members who are curious to join a collective garden and unable to contribute a membership fee.

VGN's admin fee of 25% is included in the final budget.

Please provide or upload a project schedule and, as applicable, specify individual project milestones (phases). Projects should generally be completed within 1 year.*

Please see attached spreadsheet “CLG-VGN Budget & Project Schedule”, tab #2.

Please provide or upload an explanation of how your project's results or effectiveness can be measured.*

We include several feedback loops throughout the growing season to assess our program effectiveness and adjust systems, dynamics and gears as/if needed:

Workshop evaluation surveys: VGN routinely asks participants to fill out an evaluation survey at the end of each workshop we facilitate. We use QR codes to direct participants to an online Google Form survey that they can respond to while still standing in the garden. Evaluation surveys inform future workshop offerings and provide insight on lesson delivery and relevance to participants' expectations.

Workshop attendance: We track participation numbers to give us a sense of what topics and schedules tend to attract the most participants

Garden mentor assessments: At Seedsong, we have systematized garden mentor assessments and will adopt a similar format for the grant project garden mentor cohort. We check-in with mentors on a monthly basis to share successes and challenges with the community-organizing and production garden aspects of managing a collective garden.

Garden member reflection surveys: We distribute mid (July) and end-of-season (November) reflection surveys to all garden members. The garden leadership team (mentors + manager) read through surveys and share in consensus based conversation.

Cultural representation: At the Family Room Collective Garden, our hope is to have at least 60% of the community's cultural backgrounds represented in the culturally meaningful crops grown. We will lean on Family Room staff to assess the impact of our programming (versus surveying families, as per institutional policy).

Garden productivity: For both collective gardens, the effectiveness of a shared gardening model is apparent and tangible upon visiting the garden. We weigh and record weekly harvests to track garden productivity. We strive for designing and managing highly productive growing spaces that are well-tended (low weed and pest pressure). It is evident when members aren't showing up to weekly work shifts.

Membership attrition: As far as member engagement, an attrition rate of 10-20% is not surprising; anything beyond 25% of members leaving the garden before the season is over would be concerning.

Media & tool engagement: We can easily track engagement with our social media campaign and track how often tools are borrowed from our proposed tool lending library.

Is there any other information you would like us to know? (2 page limit)

Thank you for this opportunity!

Skill Share Workshops	hrs / item / quantity	fee / cost	subtotal
Outreach (flyer designs, social media posts, communications)	24	\$30	\$720
Prep & facilitation for 8 workshops (1.5hr-long wkshp)	8	\$250	\$2,000
Workshop facilitator supplies (printing, seeds)	8	\$50	\$400
Low/no-till specialized tools (broadfork, tiller, drill, bed prep rake)	1	\$1,020	\$1,020
Bulk materials for participants (row cover, hoops, tarps, cover crop :)	120	\$20	\$2,400
			\$6,540

Garden Mentor Cohort	hrs / item / quantity	fee / cost	subtotal
Recruitment & initial training (prep + two 3hr sessions)	16	\$80	\$1,280
Ongoing monthly support (6hrs/month x 8 months)	48	\$30	\$1,440
Mentor supply kits (personal hand tools, bins, clipboards, id, etc.)	5	\$100	\$500
Social media 10-month long campaign "what's growing in your garden"	10	\$200	\$2,000
			\$5,220

Family Room Collective Garden	hrs / item / quantity	fee / cost	subtotal
Garden management - 8hrs/month, 8 months	64	\$30	\$1,920
Mentor stipend - 2 mentors, 16hrs/month, 8 months	256	\$22	\$5,632
Seeds (culturally meaningful packets)	60	\$4	\$240
Bulk seeds (cover crop, garlic)	1	\$100	\$100
Plants	400	\$4	\$1,600
Compost & fertilizers (ProGro, Tomato Tone, kelp)	1	\$140	\$140
Row cover, exclusion netting & metal hoops	1	\$120	\$120
Trellising (T-posts, stakes, twine, clips, netting)	1	\$150	\$150
Pest management (sprays, traps)	1	\$80	\$80
Mulch (straw bales)	10	\$8	\$80
Weather proof storage bench	1	\$150	\$150
Specialized hand tools (2x hori hori, snips, weeder)	6	\$25	\$150
Scuffle hoes	2	\$65	\$130
Buckets (flexible tubtrugs, harvest)	4	\$25	\$100
Garden signs (weatherproof yard sign, multilingual)	4	\$30	\$120
Plant signs (labels, painted, multilingual)	1	\$200	\$200

Interpretation and translation services	1	\$800	<u>\$800</u>
			\$11,712

Collective Garden #2 (Rock Point or Starr Farm)	hrs / item quantity	fee / cost	subtotal
Mentor stipend - 3 mentors, 12hrs/month, 8 months	288	\$22	\$6,336
Member scholarships - 10 full, \$500/member	10	\$500	\$5,000
Seeds	30	\$4	\$120
Bulk seeds (cover crop, garlic)	1	\$100	\$100
Plants	600	\$4	\$2,400
Compost & fertilizers (ProGro, Tomato Tone, kelp)	1	\$140	\$140
Row cover, exclusion netting & metal hoops	1	\$120	\$120
Trellising (T-posts, stakes, twine, clips, netting)	1	\$150	\$150
Pest management (sprays, traps)	1	\$80	\$80
Mulch (straw bales)	10	\$8	\$80
Weather proof storage bench	1	\$150	\$150
Specialized hand tools (2x hori hori, snips, weeder)	6	\$25	\$150
Scuffle hoes	2	\$65	\$130
Buckets (flexible tubtrugs, harvest)	4	\$25	\$100
Garden signs (weatherproof yard sign)	4	\$30	\$120
Plant signs (labels, painted)	1	\$200	<u>\$200</u>
			\$15,376

Skill Share Workshops	\$6,540
Garden Mentor Cohort	\$5,220
Family Room Collective Garden	\$11,712
Collective Garden #2	\$15,376
Subtotal	\$38,848

Indirect 25% (admin, taxes, company vehicle, IT, office	\$9,712
	\$48,560

Applicant Information & Point of Contact

Applicant Name (Individual or Organization)*

Vermont Youth Conservation Corps

Primary Contact Name*

Kristen Balschunat

Primary Contact Email Address*

kristen.balschunat@vycc.org

Primary Contact Phone Number*

8025604624

Primary Contact Street Address*

1949 E Main St

Primary Contact City, State, ZIP*

Richmond VT 05477

Application Details

Project Type*

Implementation Work

If applicable, project location (must be within Burlington). Some projects, such as planning efforts, may not have a particular location.

Multiple locations including: Salmon Hole & River Walk Trail, Ethan Allen Homestead, Intervale Center Natural Areas, Rock Point Commons, Crescent Woods and Arms Forest

Please provide or upload a description of the proposed project (2 page limit)*

VYCC seeks to use these grant funds to run eight weeks of Youth Crew programming in Burlington in summer 2024. We will collaborate with Burlington Wildways partners to complete high-priority conservation projects around the city and introduce participants to local organizations working on nature based climate solutions.

VYCC is a service corps that enrolls over 200 young adults each year to work on public service projects. Our mission is to take action and build community by working and learning together with the land. Since 1985, over 7,000 Corps Members have completed projects that strengthen Vermont's communities and conserve natural resources. Burlington Wildways is a partnership of organizations that connects and protects the wild places and paths of Burlington. Burlington Wildways mission is to build a strong partnership of many organizations working together to maintain a world-class shared trail network; conserve the rare plants and diverse animals that make their homes in the Queen City; and provide equitable and inviting access to our many natural areas for the benefit of all our city's citizens and visitors. Current partners include the Burlington Parks, Recreation, and Waterfront Department, Intervale Center, Rock Point, and Winooski Valley Park District

We plan to leverage existing systems, tools and personnel at VYCC and Burlington Wildways to run an entire summer season within Burlington city limits. VYCC brings a 35-year history of engaging youth in conservation work which includes systems for recruitment and hiring, comprehensive leader and member training and staff support to assist leaders and members in the field.

Youth Crews offer paid summer service positions for participants between the ages of 15 and 18. Participants work on conservation projects in a crew environment and learn a variety of skills including problem solving, organization and time management as well as technical skills like safe use of tools, strategies for land management and collaborating with community partners. Youth members receive training and guidance from Crew Leaders and receive additional support from Project Managers and Supervisors.

Residents of any town would be welcome to apply for crew member positions but VYCC will incorporate some preference for Burlington residents into the applicant ranking system. We are excited to offer paid service positions to Burlington youth right in their backyard. We believe this experience will help members foster a stronger sense of place by working across a wide variety of natural areas throughout the city and will connect them with conservation professionals so they can learn about potential career paths or gain exposure to seasonal job opportunities for the future. This connects to strategy 6B.3 “Create more opportunities to bring school aged children and university students into the urban wilds to experience and learn about NBCS.”

The main goal of a youth crew is to offer opportunities for participants to learn, grow and establish connection with the land with a secondary focus on efficiency and project completion. As such we have created a “menu” of potential projects for the crew to work on. Many of these projects will likely be completed, but not all. This structure allows VYCC and the Wildways partners some flexibility to make changes throughout the summer based on each crew’s skill level and interest while still dedicating the most crew time to the highest priority projects.

Invasive plant mapping and manual management

High priority

Connects to NBCS Goal 1A.1 “Inventory Non-Native Invasive Plants (NNIPs) community-wide and recommend pragmatic rehabilitation strategies to address the impacts of these species with a focus on maintaining biodiversity”

Species of highest concern: Buckthorn, honeysuckle, Asiatic Bittersweet, multiflora rose, knotweed

Goal: Survey/map and manually treat 20 acres

Locations:

- Ethan Allen Homestead
- Salmon Hole & River Walk Trails
- Intervale Center Natural Areas
- Crescent Woods (focus on jumping worms at this site only)
- Arms Forest

- Rock Point Trails

Trail improvements for better public access to green spaces

High priority

Connects to goal 4B.1 “Increase pocket parks and connected open spaces”

Address damage from 2023 flooding along Burlington walking trails. Tasks may include re-grading, building timber stairs and installing puncheon. At Crescent Woods, the goal is to remove 3 bridges in disrepair, reroute trail slightly and add stepping stones and incorporate erosion control measures along exposed hillside.

Goal: Improve 2,000 feet of walking trail

Locations:

- Salmon Hole & River Walk Trails
- Intervale Center
- Crescent Woods

Tree, Shrub and Perennial Planting

Medium Priority

Connects to goal 4A.2 Increase native plantings

Goal: 200 plants installed

- Rock Point Trails - focus on planting edible varieties in open fields
- Burlington Pocket parks - focus on species with pollinator benefits Potential locations could be the meadow at Arms Forest, McKenzie Property, Urban Reserve

Miscellaneous (if time allows)

Lower Priority

- Install deer exclosures - Connects to strategy 1A.4 “Pursue Adaptive Management to Mitigate Harmful Impacts of Deer Grazing”
- Maintain Existing Green Stormwater Infrastructure (GSI) Exact sites TBD - example projects include rain gardens, bioswales, etc.
- Assist with weeding and transplanting at Intervale Conservation Nursery

Roles: VYCC will provide training to leaders and members, will supply a standard cache of tools, maintain vehicles, offer staff support during project weeks and schedule guest speakers. Wildways Partners will provide materials and design plans, and some in-field technical assistance during the season.

We also plan to invite guest speakers and trainers to talk about relevant topics like plant identification, trail maintenance, climate resilience, conservation job opportunities and water quality in Lake Champlain. Time is already built into the daily Youth Crew schedule to allow for one guest speaker to join for about an hour each week. Potential speakers include:

- Branch Out Burlington
- Grow Wild
- Lake Champlain Basin Program
- Rethink Runoff
- Audubon VT

What is the grant amount you are requesting? (\$30,000 minimum / \$80,000 maximum)*

48500

If you are not applying as a 501 (c) 3 nonprofit, you will likely need a fiscal agent. Please specify your fiscal agent for this project. *

We are a 501(c)3 nonprofit

Please specify matching funds or in-kind work, if any.*

25% match

Please provide or upload a budget and budget narrative explaining how funding will be used. (2 page limit) Note that written estimates for proposed work may be required for awarded projects.*

8 weeks of VYCC youth crew work at \$6,000 per week = \$48,000

Guest speaker/trainer stipend at \$50 per hour for 10 hours (to be used throughout season) = \$500

Total grant request = \$48,500

What does the \$6,000 fee-for-service rate include?

- Stipends for crew leaders and members
- Worker's Comp and Insurance
- Transportation
- Use and maintenance of tools

The actual cost of running a VYCC youth crew is more than \$6,000 per week but VYCC supplies the remaining funds through philanthropy and other grants. We will use these funds to offer \$12,125 of match to the project.

If building materials or other supplies are required the Wildways Partners have committed to cover those expenses from their own budgets.

Please provide or upload a project schedule and, as applicable, specify individual project milestones (phases). Projects should generally be completed within 1 year.*

The 2024 Burlington Youth Crew would take place over two sessions allowing crew members to select a shorter 4-week experience or to participate in both sessions. The Crew Leaders would remain the same over both sessions.

Session 1: June 16 - July 11, 2 leaders, 4-6 youth participants, Monday-Thursday 8-4:30

Session 2: July 15 - August 8, 2 leaders, 4-6 youth participants, Monday-Thursday 8-4:30

Please provide or upload an explanation of how your project's results or effectiveness can be measured.*

People Metrics:

- # of crew leaders (goal: 2)
- # of youth participants who gain hands-on experience completing conservation projects (goal: 8-12 over entire summer)
- # of guest speakers providing additional training and education opportunities to participants (goal: 8)
- We would also be open to creating a before/after survey for participants to assess their learning outcomes. This is not typically part of the VYCC crew model but could be added at the request of the grant committee.

Project Metrics

- Crew Hours (goal: 1,000)
- Acres surveyed and mapped for invasive species (goal: 20 acres)
- Acres treated for invasive species (goal: 20 acres)
- Linear feet of public walking trail improved (goal: 2,000 feet)
- # of trees, shrubs and other perennials planted (goal: 200)
- # of deer exclosures installed (if time allows)
- # of GSI structures installed or maintained (if time allows)

Is there any other information you would like us to know? (2 page limit)

n/a

Applicant Information & Point of Contact

Applicant Name (Individual or Organization)*

Burlington Wildways

Primary Contact Name*

Zoe Richards

Primary Contact Email Address*

zoe@burlingtonwildways.org

Primary Contact Phone Number*

802.310.1980

Primary Contact Street Address*

15 Catherine St

Primary Contact City, State, ZIP*

05401

Application Details

Project Type*

Operational Work for Sustained Implementation

If applicable, project location (must be within Burlington). Some projects, such as planning efforts, may not have a particular location.

Burlington

Please provide or upload a description of the proposed project (2 page limit)*

[WildwaysGrant Narrative.pdf](#)

What is the grant amount you are requesting? (\$30,000 minimum / \$80,000 maximum)*

55000

If you are not applying as a 501 (c) 3 nonprofit, you will likely need a fiscal agent.

Please specify your fiscal agent for this project. *

Our fiscal sponsor is Winoosk Valley Park District. We are organized under them sharing their non-profit status but with separate bank account, staff and programming.

Please specify matching funds or in-kind work, if any.*

Match Provided for Proposed Projects

Grow Wild Project Total Match \$8,708

Volunteer hours 200hr x \$28.14 (vt volunteer rate) =\$5,628

UVM Greenhouse space = \$1000

UVM grant to grow native plants = \$1000

Parks Department Staff Time 30hrs x \$36 =\$1080

School-Based Nursery Project Total Match \$52,460

Basin Program grant to pay educator salary \$50,000

Parks Department overhead to hold educator position, use parks vehicles, insurance and equipment estimated at \$1500

Wildways staffing to supervise educator 30 hr x \$32hr=\$960

Wildways Trail Stewards Expansion Total Match \$1,220

Parks Department GIS support x10hrs x \$36= \$360

Intervale Center Staff Support x15hrs x \$36=\$540

Wildways system support (training videos, signup system, accounting) 10hrs x \$32=\$320

City Nature Celebration Total Match \$4,875

In-kind live stream of talks medial factory \$1500

Donated venue space Main St Landing 2 x \$500 per day = \$1000

Donated venue space Flynn Center black box \$500

In-kind food donation City Market for Spectacular Nature Day \$450

Volunteer event management spectacular nature day 50hrs X \$28.14 = \$1,407

Please provide or upload a budget and budget narrative explaining how funding will be used. (2 page limit) Note that written estimates for proposed work may be required for awarded projects.*

[Burlington Wildways NBCS Budget and Budget Justification.pdf](#)

Please provide or upload a project schedule and, as applicable, specify individual project milestones (phases). Projects should generally be completed within 1 year.*

[Project Schedule.pdf](#)

Please provide or upload an explanation of how your project's results or effectiveness can be measured.*

Measurable Project Impact and Outcomes

Grow Wild Measurable Outcomes

Native plants grown and given away

Website visits

Education materials distributed

Attendance at events

Acres and gardens converted to native habitat

School-based Nursery Project Outcomes

Children participating in the program

Acres of school ground converted to native habitat

Numbers of trees grown and used in restoration projects
New schools entering the program

Wildways Trail Stewards Expansion Outcomes

New trained stewards
Number of times an area is stewarded
Acres of treatment of invasive species
Trail issues reported to land managers

City Nature Celebration Outcomes

Attendance at speaker series
Attendance at spectacular nature day
Attendance at Rock Point nature day
Trees planted
Invasives removed (and eaten!)
Ferns planted

Strategic Planning and Summit Outcomes

Summit attendance
Action items created at the summit

Wildways Trail Brochure Use Outcomes

Number of trail users
Brochures taken
Number of translated languages brochure is translated into (and viewed then viewed!)

Is there any other information you would like us to know? (2 page limit)

[Wildways Funding and NBCS Implementation.pdf](#)

[Burlington Wildways](#) is a partnership between four of Burlington’s public-facing landowners: Winooski Valley Park District; Intervale Center; Burlington Parks, Recreation, and Waterfront; and Rock Point Commons. Burlington Wildways seeks funding from the new Conservation Legacy Grant program for six core areas where our partnership works directly on nature-based climate solutions.

The natural world is not defined by political boundaries—and our partnership has allowed us to see, and work at, the scale of the larger landscape within Burlington. We are able to effectively use the resources of each institution, with a shared purpose, to benefit the whole city. Burlington Wildways partners have launched and maintained many successful conservation initiatives over the last five years.

Funding from the Conservation Legacy Grant program will allow us to expand our reach through increased staff capacity, outreach materials, and program development. This funding would allow more of our city’s residents and institutions to participate in, and benefit from, the urgent work of building climate resilience. The work of the Wildways partnership includes: creating tree nurseries at elementary schools; city-wide tree plantings in natural areas; propagating native plants in neighborhoods and parks; floodplain and wetlands restoration—and other nature-based approaches to cooling our rapidly heating planet and city. And, equally important, our programs build an informed and caring citizenry who will take on and advocate for this work.

To advance this work, we have six requests for funding:

1. Expand our [Grow Wild](#) program. This program encourages propagating and planting native species in yards and other open spaces like cemeteries and schoolyards. Many green and even lovely places are—from the point of view of insects and pollinators—ecological deserts. We have created a website with a “how to” guide based on conditions in Burlington and tools to do a site assessment, so that residents and institutions can have effective native plantings that create habitat for these insects and pollinators. In coordination with UVM Plant and Soil Science Professor Laura Hill, who has been cultivating native plants with UVM students at an on-campus greenhouse, Grow Wild provides inspirational plant starter packs in the spring. With funding, we plan to expand these efforts in 2024. With staffing, Grow Wild will increase our reach and create outreach programs and attend events such as; City Nature Celebration Events, SummerVale, ONE Farmers Market, Fair Share CSA pick-ups, and more. Funding will also cover costs associated with website updates, producing newsletters, educational opportunities and materials. The Grow Wild program has also been instrumental in getting starter demonstration gardens going in public spaces like Lake View Cemetery, Tommy Thompson community garden and other areas. Members of Grow Wild are volunteer plant experts and staff from Burlington Parks and Intervale Center, with staffing and funding provided by Burlington Wildways.
2. Expand the school-based tree nursery project at Champlain Elementary School to other Burlington schools. Using all grade levels, native seeds and woody stems cuttings are collected and grown at Champlain Elementary and once grown are used in habitat restoration projects around the city. A Lake Champlain Basin program grant will partially fund an educator to continue this work in 2024, but Wildways staffing is needed to support the educator, do hands-on programming, and meet with school district staff to expand the program to other schools. With

guidance from the school district, CP Smith, Hunt Middle School, and Sustainability Academy are our next expansion areas. School grounds are an amazing space to increase habitat, grow much needed tree stock for the city, and allow for real world learning and agency. All children regardless of racial identity or income have access to nature through this program and become connected with local ecosystems. The pilot program has been very successful and was [highlighted by USClimate4Nature](#), and our collaborator at Champlain won [teacher of the year](#) for this work. Hundreds of trees have been planted, grown and harvested and used in stream restoration projects at Champlain Elementary.

3. Grow the [Wildways Trail Stewards](#) program. Citizens volunteer to pick up trash, report problems to land managers, and do trail work around Burlington (stewards helped reopen the trail infrastructure in the Intervale after this year's historic floods). The Intervale Center has helped to develop the technical aspects of our trail stewards program that runs across different land ownerships. Stewards will soon be able to help with invasive and opportunistic species control. Wildways administers the program, managing online sign ups, newsletters and trainings. We recruit new participants and funding will allow us to start to work with Burlington High School Students and more inclusively encourage members of the community to become stewards.
4. Grow and enrich [City Nature Celebration](#). Programmatic support will allow us to grow this event which brings in speakers on local natural history and climate topics, creates opportunities for residents to do hands-on restoration work in the city, provides opportunities to reimagine how we think about NNIS (non-native invasive species) including opportunities to learn to harvest and cook invasives. Additionally we organize and run the international City Nature Challenge Bioblitz in Burlington. Last year we had over 800 people participate in the bioblitz with close to 1,000 species identified.
5. Organize and host a regional nature-based climate action summit. With help from Trust for Public Lands, Wildways is planning to hold a regional summit meeting in Burlington on Nature-based Climate action in late 2024 and funding from the legacy fund will help to realize this goal. Funding will cover strategic planning needed to host and facilitate the event as well as costs associated with hosting the event.
6. Design and create a brochure for the 10 mile Burlington Wildway Trail and translate the brochure into languages commonly spoken by Burlington residents. This will help make our natural spaces easy to navigate and knowable to a broader section of Burlington residents.

Please note that the specific themes, strategies and actions, outlined in the Nature-based Climate Solutions Implementation Plan, that each funding requests address, are included in an appendix.

Appendix 1. Implementation Themes and Strategies that Wildways Requested Funding Supports

Grow Wild Expansion implements Theme 4, in almost all aspects by creating a path to create habitat where there was none. Grow Wild funding implements Theme 2 specifically 2A.2 and 2A.3, which address regenerating other spaces in community gardens, through native and edible plantings. Also Theme 06 will be implemented, particularly 6B.2 and 6B.3 and 6C.1 and 6C.2 which encourage inclusive climate action and education about the value of NBCS.

Expand School-based Tree Nursery implements Theme 1, specifically all actions around tree planting 1B.1, 1B.2, 1B.3, 1B.4, which strive to expand the canopy and diversity of the canopy and educate about nature based climate solutions. The tree nursery also implements Theme 3: 3B.1, 3B.2, by growing tree and shrub stock from local genetics that can be used in stream restoration. Additionally the nursery project implements Theme 4: 4A.1, 4A.2, 4A.3, 4B.1, by converting small open spaces and lawn to habitat. In particular the school based project implements Theme 6 all strategies by including all children during the school day (Burlington School District is 39% BIPOC as is Champlain Elementary). This project also implements Theme 7 by collecting data around trees planted and particularly 7A.4 silo busting through partnership with the school district to provide mutually beneficial services and break down barriers between institutions.

Grow Wildways Trail Stewards implements Theme 1, in particular strategy 1B.2 through tree planting and invasive species control and through reporting and closing social trails in areas where they should not be. Trail Stewards implements Theme 3, through restoration projects in the floodplain. The expansion will implement Theme 6, by recruiting folks from historically disenfranchised communities to become stewards.

Grow City Nature Celebration implements Theme 1 specifically all aspects of strategy 1B expanding the canopy through volunteer planting days and education about the benefits of nature-based climate solutions and Theme 3 particularly strategy 3B where opportunities to remove invasives and do riparian restorations. Also City Nature Celebration implements many aspects of Theme 4 through Grow Wild native plant giveaways and lecture series and Theme 7, strategy 7A.2 through education.

Wildways Strategic Planning and Regional Summit implements Theme 6C by creating an opportunity to communicate the value of nature-based climate solutions and Theme 7, Strategy 7A.4 silo busting working with other professionals in the state to figure out best practices and next steps with nature-based climate action.

Wildways Trail Brochure Creation and Translation implements Theme 6, encouraging more residents to experience and feel comfortable in our natural areas.

Burlington Wildways NBCS Funding Request		
January-December 2024 Project Period		
Funding Request		
1. Grow Wild		
Educational Material		\$5,000
Capacity Funds		\$8,000
Professional Services		\$1,500
Website & communications		\$3,000
Honorarium for Education Opportunities		\$2,500
Total Grow Wild Request		\$20,000
2. School-Based Tree Nurseries Project		
Capacity Funds		\$10,000
Total Nursery Request		\$10,000
3. Wildways Trail Stewardship Expansion		
Capacity Funds		\$5,000
Total Trail Request		\$5,000
4. City Nature Celebration		
Honorarium		\$2,000
Space Rental & Materials		\$1,000
Website		\$2,000
Total City Nature Celebration Request		\$5,000
5. Wildways Strategic Planning		
Regional NBCS Regional Summit		\$7,000
Strategic Planning for Partners		\$3,000
Total Strategic Planning Request		\$10,000
6. Wildways Trail		
Brochure Creation		\$2,000
Translation		\$3,000
Total Wildways Trail Request		\$5,000
Total Wildways Funding Request		\$55,000

Budget Justification

Item 1. Grow Wild

Educational Materials \$5,000 (branded tent for spring, summer and fall events; \$750, weatherproof sign; \$350, strategic communications materials about native plantings, urban habitat creation and behavioral change via explanatory drawings and video creation; \$3,000, printed materials such as site specific plant lists for plant giveaways and events \$900).

Capacity Funds \$8,000 part-time staffing for Grow Wild Initiative (35% of 2 VHCB AmeriCorps Members or part time hourly position at 320 hrs x \$25 hrs).

Professional Services \$1500 Estimated costs associated with educational conference and webinar fees for mostly volunteer steering committee members.

Website & Communications \$3,000 (website and domain hosting \$500, Web design and graphic design services Tamarack Media 20hrs x 100, Mailchimp newsletter services \$500).

Item 2 School-based Tree Nursery Project

Capacity Funds \$10,000 part-time hourly (45% of VHCB AmeriCorps Member or 400 hours x 25 hrs)

Item 3 Wildways Trail Stewardship Expansion

Capacity Funds \$5,000 (20% of 2 VHCB AmeriCorps Members or 200hrs x \$25)

Item 4 City Nature Celebration

Honorarium \$2,000 (pay local speakers and guided walks/tours 3 x \$500speaker, Caterpillar lab/VINS \$500)

Space Rental & Materials \$1,000 (cover costs associated with renting space for speaker series and promotional materials). Some but not all the spaces we use donate free usage.

Website \$2000 cost of website and planned improvement of website so updates to better display City Nature Challenge data (\$500 website hosting, 15r x 100hr Tamarack Media)

Item 5 Wildways Strategic Planning

Nature-based Climate Solutions Regional Summit \$7,000 (Facilitation \$3,000, Venue \$1500, \$2,500 staffing to organize summit)

Strategic Planning for Wildways Partnership \$3000 (facilitation and strategic planning retreat for partnership)

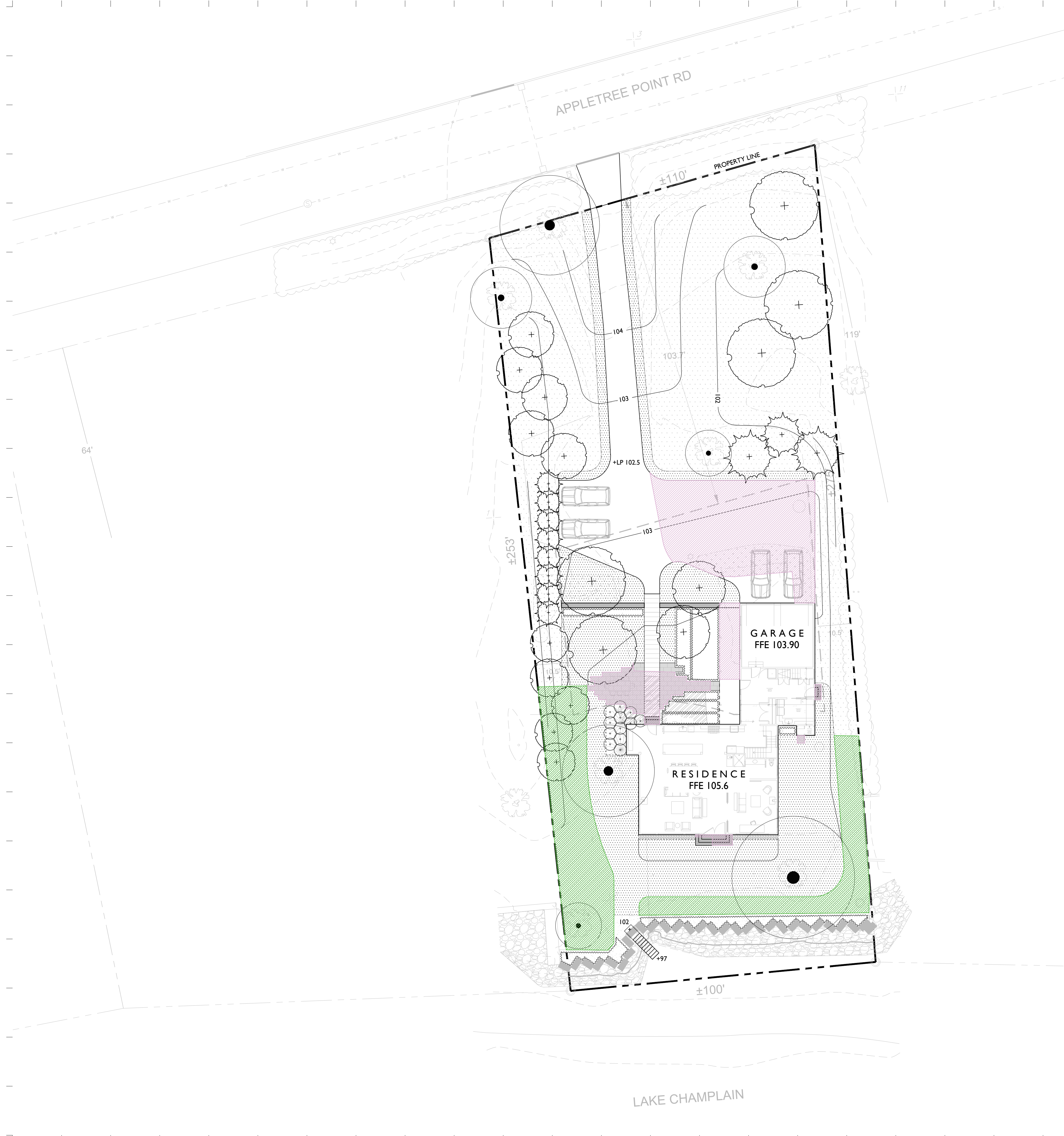
Item 6 Wildways Trail

Brochure Creation \$2,000 (Trail Brochure design and printing)

Translation Services \$3,000 (cost is an estimate for translation. Translation will be in pdf form)

Burlington Wildways NBCS Funding Request		
January-December 2024 Project Period		
Funding Request	Timeline	Project Milestones
1. Grow Wild		
Educational Material	Created in Spring 2024	Completed materials
Capacity Funds	All 2024	Part-time or AmeriCorp member hired
Professional Services	Spring 2024	Completed redesign
Website & communications	All 2024	Increased social media presence and web traffic
Honorarium for Education Opportunities	All 2024	Completed lecture & field experiences
2. School -Based Tree Nurseries Project		
Capacity Funds	Spring & Fall 2024	Expansion to new Burlington schools
3. Wildways Trail Stewardship Expansion		
Capacity Funds	Early Winter, Spring 2024	More stewards including youth, connection with BHS, King Street Youth Center, Boys & Girls Club
4. City Nature Celebration		
Honorarium	April/May 2024	Completed speaker series
Space Rental & Materials	April/May 2024	Events completed and attended
Website	April/May 2024	Redesign and renewal of web services

5. Wildways Strategic Planning		
Regional NBCS Regional Summit	November 2024	
Strategic Planning for Partners	August/Septmeber 2024	Completed regional summit meeting
6. Wildways Trail		
Brochure Creation	Late Winter 2024	Design work completed byTamarack Media
Translation	Ongoing 2024	Completed brochures and translations



SYMBOL	ITEM
	EXISTING CONTOUR
	PROPOSED CONTOUR
	STONE PAVING - NATURAL CLEFT FINISH
	STONE PAVING - THERMAL FINISH
	EXISTING WOODS
	PERENNIAL PLANTING
	LAWN
	CONSERVATION SEED MIX
	LOW-MOW SEED MIX
	EXISTING TREE TO REMAIN
	DECIDUOUS TREE - PROPOSED
	EVERGREEN TREE - PROPOSED
	AREA OF REDEVELOPMENT - 2132 SF
	AREA OF LOW-MOW - 2164 SF

BELOW LOT COVERAGE CALCULATIONS DONE BY RAMSAY GOURD ARCHITECTS:

Street Address: 245 Appletree Point Road, Burlington VT 05408
Tax Parcel ID: 031-1-007-000
Zoning District: Residential - Low Density, Waterfront - WRL
Land Use: R1 - Single Family

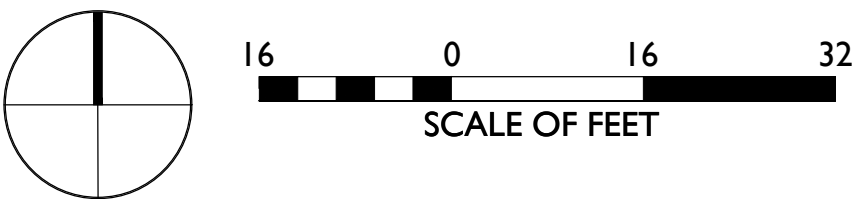
	Existing	Proposed	Pursuant to Code Article 4.4.2.3
Lot Area:	27,504 SF	27,504 SF	27,504 SF
Lot Frontage:	110'	110'	110'
Lot Width:	110'	110'	110'
Lot Depth:	275'	275'	275'
Lot Coverage (Structure and Driveway):	24.7%	23.8%	35%
Lot Coverage (Walkways and Patios):	1.6%	2.7%	
Total Lot Coverage:	26.3%	26.5%	35% (Max. Allowable Impervious)

Height (to mid point of roof per article 5.2.6 point "a"):	23'-0"	23'-0"	35'
Stories:	2	2	2 1/2

Impervious Surface Coverage:			
Principal Structure:	2,748 sf	2,748 sf	
Driveway:	~4,034 sf	~3,797 sf	
Walkways and Patios:	441 sf	729 sf	2,750 sf
Total:	7,223 sf	7,223 sf	9,626 sf (Max. 35%)

Set Backs (principal structure):			
North:	140'	140'	103'-7"
South:	43'	43'	75'
East:	8'-4"	8'-4"	10'-5"
West:	13'-10'	13'-10'	10'-5"

Within 200' of another municipality? No
Adjacent to County road? No
Adjacent to State road? No
Conforming Use? Yes



GENERAL NOTES

- Contractor is responsible for all damage due to his operations inside and outside the contract limit line.
- Contractor is responsible for checking spot elevations and verifying proposed grades by providing grade stakes. Grades must be approved by Landscape Architect prior to proceeding.
- Contractor shall blend new work smoothly with existing grades at contract limit line and/or limit of construction line.
- Contractor to verify that subgrades are 6 inches below finished grade prior to spreading top soil for seeded areas.
- All walks shall have 2% cross pitch, and all step treads and wall caps shall have 1% cross pitch unless otherwise noted.
- Light fixture locations may be field adjusted with prior Landscape Architect approval.
- Walkway layout to be approved by Landscape Architect prior to construction.
- Site furniture and wall locations to be verified by Landscape Architect prior to installation.
- General Contractor is responsible for all erosion control measures during construction.
- It is the intent of this contract to avoid any disturbance to existing trees or shrubs on site other than those specifically designated for transplant or removal.
- Liquidated damages for trees damaged by construction operation shall be \$500 per caliper inch. Shrubs shall be \$100 each.
- Base survey prepared by KREBS & LANSING CONSULTING ENGINEERS on July 13, 2022

FEIDELSON
RESIDENCE

245 APPLETREE POINT RD
BURLINGTON, VT
05408

LOT COVERAGE
PERMIT SET

JOB NO. 22-334
SCALE: 1/16"=1'-0"
DRAWN BY: RK
DATE: 11.08.2023

L000

PLOT DATE: 11/8/2023 2:08 PM

PROPOSED DECIDUOUS
TREE, TYP.

PROPOSED EVERGREEN
TREE, TYP.

GRAVEL
AUTOCOURT

MOW LINE

SEASONAL LAKE ACCESS
STAIRCASE

REFER TO:
L101 LAYOUT, MATERIALS AND
GRADING ENLARGEMENT PLAN

APPLETREE POINT RD

PROPERTY LINE

MEADOW

SETBACK

GARAGE
FFE 103.90

RESIDENCE
FFE 105.6

LAWN

LOW-MOW

LAKE CHAMPLAIN

SYMBOL	ITEM
	EXISTING CONTOUR
	PROPOSED CONTOUR
	STONE PAVING - NATURAL CLEFT FINISH
	STONE PAVING - THERMAL FINISH
	EXISTING WOODS
	PERENNIAL PLANTING
	LAWN
	CONSERVATION SEED MIX
	LOW-MOW SEED MIX

	EXISTING TREE TO REMAIN
	DECIDUOUS TREE - PROPOSED
	EVERGREEN TREE - PROPOSED

GENERAL NOTES

- Contractor is responsible for all damage due to his operations inside and outside the contract limit line.
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- All walks shall have 2% cross pitch, and all step treads and wall caps shall have 1% cross pitch unless otherwise noted.
- Light fixture locations may be field adjusted with prior Landscape Architect approval.
- Walkway layout to be approved by Landscape Architect prior to construction.
- Site furniture and wall locations to be verified by Landscape Architect prior to installation.
- General Contractor is responsible for all erosion control measures during construction.
- It is the intent of this contract to avoid any disturbance to existing trees or shrubs on site other than those specifically designated for transplant or removal.
- Liquidated damages for trees damaged by construction operation shall be \$500 per caliper inch. Shrubs shall be \$100 each.
- Base survey prepared by KREBS & LANSING CONSULTING ENGINEERS on July 13, 2022

WAGNERHODGSON
LANDSCAPE ARCHITECTURE

VT802.864.0010 NYS18.567.1791 wagnerhodgson.com
7 Marble Avenue Burlington, VT 05401
430 Warren Street Hudson, NY 12534

NO.	DESCRIPTION	DATE
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FEIDELSON RESIDENCE

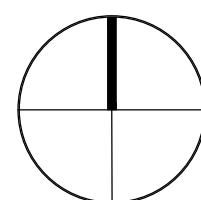
245 APPLETREE POINT RD
BURLINGTON, VT
05408

OVERALL LAYOUT AND MATERIALS PLAN PERMIT SET

JOB NO. 22-334
SCALE: 1/16"=1'-0"
DRAWN BY: RK
DATE: 11.08.2023

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SCALE OF FEET

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FEIDELSON
RESIDENCE
245 APPLETREE POINT RD
BURLINGTON, VT
05408

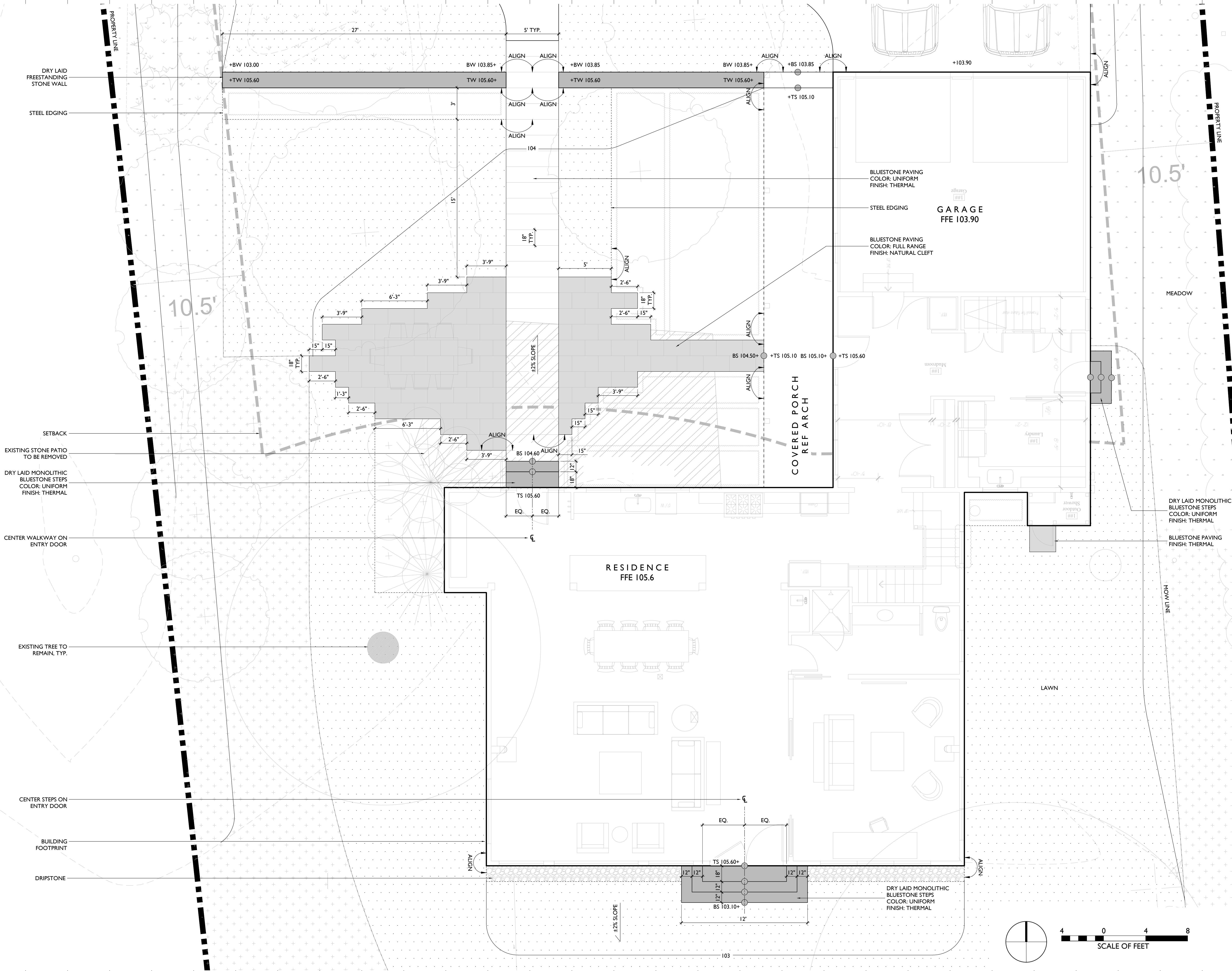
LAYOUT, MATERIALS
AND GRADING
ENLARGEMENT PLAN
PERMIT SET

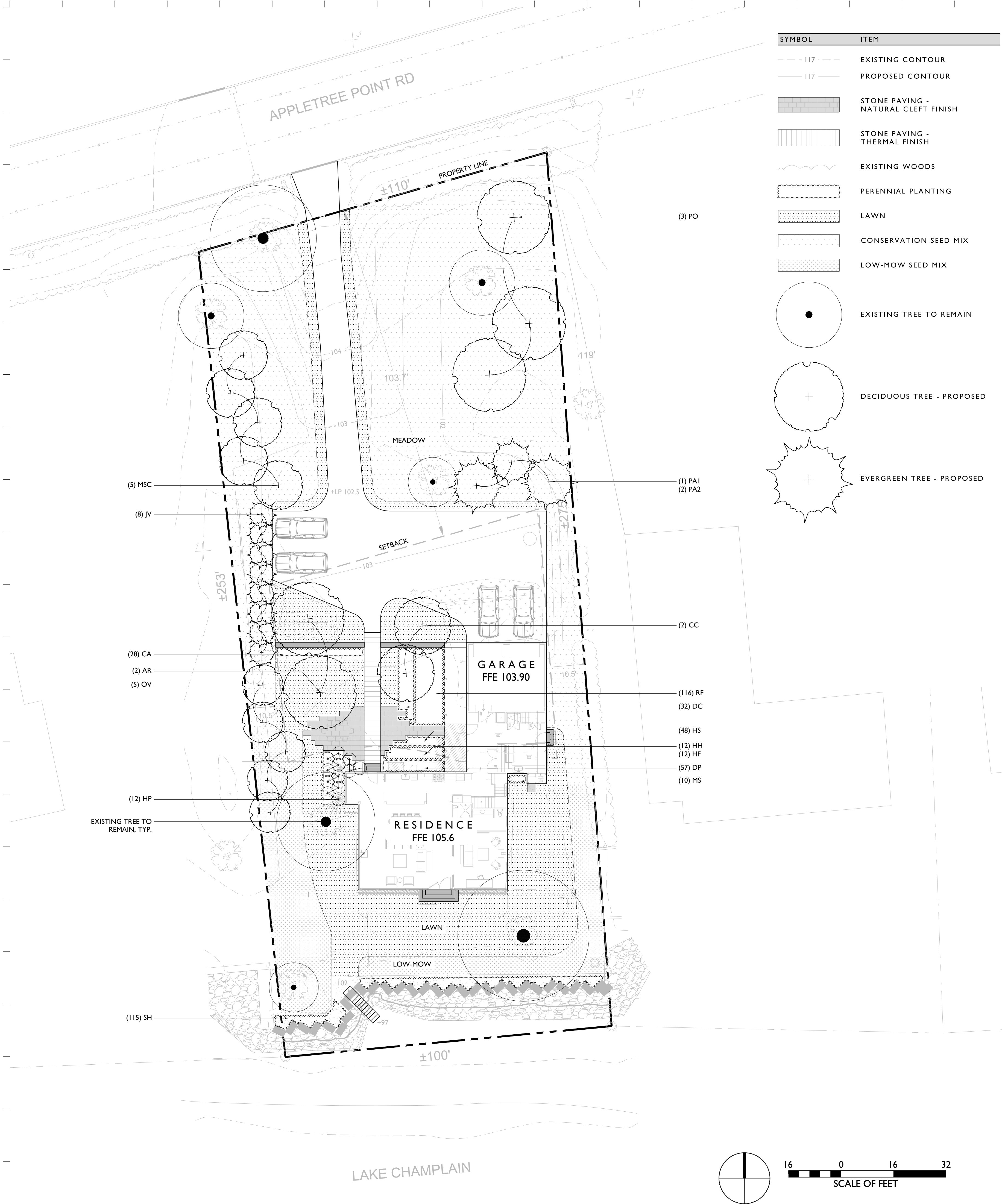
JOB NO. 22-334
SCALE: 1/4"=1'-0"
DRAWN BY: RK
DATE: 11.08.2023

L101

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PLOT DATE: 11/8/2023 2:10 PM





PLANT SCHEDULE

KEY	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING
TREES / SHRUBS					
AR	2	Acer rubrum 'Red Sunset'	RED MAPLE	5 1/2"-6" CAL.	AS SHOWN
CC	2	Cercis canadensis 'Minnesota Strain'	MINNESOTA STRAIN EASTERN REDBUD	1.5" - 2" CAL.	AS SHOWN
JV	8	Juniperus virginiana	EASTERN RED CEDAR	8'-10' ht	AS SHOWN
HP	12	Hydrangea paniculata 'Little Quickfire'	LITTLE QUICKFIRE PANICLE HYDRANGEA	7 GAL.	AS SHOWN
MSC	5	Magnolia stellata 'Centennial Blush'	CENTENNIAL BLUSH MAGNOLIA	1.5" - 2" CAL.	AS SHOWN
OV	5	Ostrya virginiana	AMERICAN HOPHORNBEAM	3" - 3.5" CAL.	AS SHOWN
PAI	1	Picea abies	NORWAY SPRUCE	8'-10' HT.	AS SHOWN
PA2	2	Picea abies	NORWAY SPRUCE	10'-12' HT.	AS SHOWN
PO	3	Platanus occidentalis	AMERICAN SYCAMORE	5" CAL.	AS SHOWN
PERENNIALS / ORNAMENTAL GRASSES					
CA	26	Calmagrostis x acutiflora 'Karl Foerster'	FEATHER REED GRASS	5 GAL.	24" O.C.
DC	32	Deschampsia cespitosa 'Goldtau'	TUFTED HAIR GRASS	1 GAL.	24" O.C.
DP	57	Dennstaedtia punctilobula	HAYSCENTED FERN	1 GAL.	18" O.C.
HF	12	Hosta 'Francee'	FRANCEE HOSTA	1 GAL.	24" O.C.
HH	12	Hosta 'Halycon'	HALCYON HOSTA	1 GAL.	24" O.C.
HS	48	Heuchera 'Splendens'	CORAL BELLS	1 GAL.	12" O.C.
MS	10	Matteuccia struthiopteris	OSTRICH FERN	1 GAL.	18" O.C.
RF	116	Rudbeckia fulgida 'Goldsturm'	BLACK-EYED SUSAN	1 GAL.	18" O.C.
SH	115	Sporobolus heterolepis	PRAIRIE DROPSOED	1 GAL.	18" O.C.

PLANTING NOTES

- All plant material in the plant schedule shall be nursery grown in accordance with ANSI in accordance with Z.60.1 Standards for measurement of nursery stock.
- All plants shall be guaranteed by the Contractor for a period of one year from date of receipt of Provisional Acceptance of the completed installation by the Owner.
- Replacement plantings will be required prior to Final Acceptance for any plants which are missing, not true to specifications, have died or are unhealthy or uncharacteristic of the species (due to excessive pruning, dieback or other reasons).
- All plant materials shall be selected and tagged at the nursery by Landscape Architect.
- The Landscape Architect's approval is required for any plant material substitutions.
- The Contractor is responsible for immediately notifying the Landscape Architect if any plant quantity discrepancies exist between the planting plan and the plant list.
- All shrubs and trees will be sprayed with the anti-desiccant "Wilt-Pruf" (or approved equal) prior to the first Winter (no later than November 30).
- The Landscape Contractor shall have the General Contractor locate all underground utilities in areas to be landscaped prior to commencing any excavation. Adjustments to tree locations will be allowed where utility conflicts are clearly a problem and with prior site approval by Landscape Architect.
- All plant bed, shrub and tree location shall be staked in the field by Contractor for Landscape Architects approval prior to installation.
- Adjustments to plant beds shall be approved by Landscape Architect.
- General Contractor is responsible for all erosion control measures during construction.
- All disturbed areas are to be topsoiled and seeded or sodded, as indicated in the planting plan.
- Mulch shall consist of double-shredded hardwood mulch or approved equal and Contractor is responsible for providing samples of mulch to Landscape Architect. Mulch plant materials as shown on plan and details.
- It is the intent of this contract to avoid any disturbance to existing trees or shrubs on site other than those specifically designated for transplant or removal.
- Liquidated damages for trees damaged by construction operation shall be \$500 per caliper inch. Shrubs shall be \$100 each.
- During construction, and until the end of warranty period, existing trees that are showing signs of stress as determined by the Landscape Architect are to be deep root fertilized, two injections per caliper inch per tree at 18" - 24" depth with Peter's 20/20/20 fertilizer or Landscape Architect approved equal.
- Contractor is responsible for verifying and confirming all plant counts as supplied by the Landscape Architect with field conditions as constructed. Any discrepancies shall be reported to Landscape Architect for approval and direction.
- Tree transplanting shall be performed by a suitable hydraulic tree spade, sized as necessary to perform the work.
- Prior to commencement of any construction, all existing trees to remain shall receive tree protection fence at outer edge of dripline whenever possible.

GENERAL NOTES

- Contractor is responsible for all damage due to his operations inside and outside the contract limit line.
- Contractor is responsible for checking spot elevations and verifying proposed grades by providing grade stakes. Grades must be approved by Landscape Architect prior to proceeding.
- Contractor shall blend new work smoothly with existing grades at contract limit line and/or limit of construction line.
- Contractor to verify that subgrades are 6 inches below finished grade prior to spreading top soil for seeded areas.
- All walks shall have 2% cross pitch, and all step treads and wall caps shall have 1% cross pitch unless otherwise noted.
- Light fixture locations may be field adjusted with prior Landscape Architect approval.
- Walkway layout to be approved by Landscape Architect prior to construction.
- Site furniture and wall locations to be verified by Landscape Architect prior to installation.
- General Contractor is responsible for all erosion control measures during construction.
- It is the intent of this contract to avoid any disturbance to existing trees or shrubs on site other than those specifically designated for transplant or removal.
- Liquidated damages for trees damaged by construction operation shall be \$500 per caliper inch. Shrubs shall be \$100 each.
- Base survey prepared by KREBS & LANSING CONSULTING ENGINEERS on July 13, 2022

TREE PROTECTION NOTES

- Proposed methods, and schedule for effecting tree and plant protection shall be submitted for approval.
- Proposed methods, materials, and schedule for root pruning, construction pruning, and tree fertilization shall be submitted for approval.
- Certain specimen trees adjacent to construction areas and in other key locations will be identified by the Owner and the Architect, and marked with red tags. Loss of any of these trees will result in fines assessed at \$5,000 per tree. Damage to all other trees on the property will be assessed at the rate of \$500 per inch caliper of the tree.
- A fine of \$1,000 will be levied against the Contractor for each incident of construction inside tree protection areas.
- Damages to trees, shrubs, and other vegetation will be assessed by the Architect and Owner in accordance with the International Society of Arboriculture (ISA) Guide.
- Trees or roots visibly damaged will cause the Owner to withhold from the Contractor an assessed amount conforming to the requirements stipulated above for a period of two years. After that period the impact of the damaged to any tree will be assessed accordingly.
- If any trees or shrubs designated to be saved are damaged and replacement is required, a number and diameter of trees or shrubs of the same species and variety, as specified by the Owner and Architect, shall be furnished and planted by the Contractor. The total inch diameter of the replacement trees or shrubs shall equal the diameter of the tree or shrub to be replaced. The Contractor shall not be liable for any loss or damage which occurs while the Contractor is complying with instructions given by the Owner, Architect, or arborist working on the Project.
- The Contractor's attention is called to the fact that certain areas on the site exist as natural woodland spaces and are to remain as natural woodlands. Therefore, all construction operations must be performed in such a manner, which will preserve these existing natural environments as wood preserves.
- Designated areas of trees, understorey, and wildflowers are to remain untouched and unharmed.
- Clearly mark all clearing limits in the field and accompany Architect on a joint review of clearing limits before clearing operations have commenced. Limit of clearing is generally defined as the limits of grading.
- Galvanized chain link fencing, 4 feet high. Stakes for fencing shall be 8 feet galvanized steel posts, driven a minimum of 3 feet into the ground. Posts shall be spaced 10 feet on center maximum.
- Prior to start of demolition work and clearing and grubbing operations, tree protection fencing shall be installed in accordance with the following:
- Fencing shall be installed at the tree protection areas indicated on the Drawings.
- Fencing shall be installed a minimum of 15 feet beyond the drip line of the trees to be protected, unless otherwise approved by the Architect.
- Where construction will be in close proximity to existing trees designated to remain, roots shall be pruned. Proximity shall be as determined in the field by the Landscape Architect or Arborist.
- Suitable means for root pruning include trenching, vibrating plow, and water jet pruning. Any method which tears roots or disturbs the soil beyond the grading limit is unacceptable.
- Trees to receive root pruning shall be reviewed by an arborist for canopy pruning, fertilization and trench backfill recommendations.
- Selective clearing within tree protection areas shall only be performed when and as directed by the Landscape Architect. Refer to Section 02115, selective clearing.
- Except as otherwise indicated or requested by Landscape Architect, temporary protection devices and facilities installed during course of the work shall be removed only after all work which may injure or damage trees and plants is completed.

NO.	DESCRIPTION	DATE
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FEIDELSON RESIDENCE

245 APPLETREE POINT RD
BURLINGTON, VT
05408

PLANTING PLAN PERMIT SET

JOB NO. 22-334
SCALE: 1/16"=1'-0"
DRAWN BY: RK
DATE: 11.08.2023

L200

PLOT DATE: 11/13/2023 9:50 AM



LIGHTING SCHEDULE

LABEL	SYM.	QTY.	DESCRIPTION	MANUFACTURER	MODEL NO.	LAMP	FINISH	COMMENTS
D	▼	3	TREE DOWNLIGHT	B-K LIGHTING	MN-LED-e67-MFL-BLP-12-C-360SL	LED	BLACK	MOONLIGHT EFFECT. (BK LIGHTING TREE STRAP REQUIRED)
W	■	2	WALL LIGHT	COLE LIGHTING	LS03W (OR APPROVED EQUAL)	LED	STAINLESS STEEL	TO PROVIDE LIGHT AT ENTRY WALK FROM ADJACENT WALLS.
P	●	4	PATH LIGHT	B-K LIGHTING	GL-LED-e64-A9-BLP-K-12"-PP12	LED	BLACK	TO PROVIDE LIGHT ON PATHWAY FROM PLANTING BED.



- LIGHTING NOTES:
1. INSTALL ALL LIGHTING PER MANUFACTURER'S INSTRUCTIONS.
 2. PROVIDE SMART PHONE APP. AND AUTOMATED PROGRAMABLE TIMER AND SWITCHES FOR LANDSCAPE LIGHTING PER OWNER'S DIRECTION.
 - LANDSCAPE LIGHTING TO BE ZONED AS SHOWN WITH FINAL APPROVAL BY OWNER.
 - ALL ZONES TO BE CONTROLLED BY ONE SWITCH PER ZONE.
 - ALL ZONES TO BE FULLY DIMMABLE.
 - ALL ZONES TO BE COMPATIBLE WITH A SMART PHONE APP., REMOTE CONTROL, AND TIMER CONTROL.
 3. PROVIDE ONLY MNFR RECOMMENDED MAGNETIC TRANSFORMERS FOR EACH TYPE AND BRAND OF LIGHTING.
 4. PROVIDE LANDSCAPE ARCHITECT WITH A SUBMITTAL SHOWING TRANSFORMER LOCATION, WIRE GAGE, DISTANCE OF RUNS, LIGHT FIXTURES, AND ALL ELECTRICAL EQUIPMENT PROPOSED. ALL LIGHTING LAYOUT AND INSTALLATIONS TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
 5. DO NOT OVERTIGHTEN FIXTURE CAP SCREWS AS A GAP MAY FORM THAT WILL ALLOW MOISTURE IN.
 6. ALL LIGHTING TO BE APPROVED BY OWNER AND LANDSCAPE ARCHITECT IN THE FIELD.

B-K LIGHTING
40429 Brickyard Dr.
Madera, CA 93636
P 559.438.5800
F 559.438.5900
info@bklighting.com/
https://bklighting.com/

COLE LIGHTING
C.W. Cole and Co., Inc.
2560 N. Rossmead Blvd.
South El Monte, CA
91733
P 626.443.2473
F 626.443.9253
info@colelighting.com
www.colelighting.com

NO.	DESCRIPTION	DATE
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FEIDELSON
RESIDENCE

245 APPLETREE POINT RD
BURLINGTON, VT
05408

LIGHTING PLAN
PERMIT SET

JOB NO. 22-334
SCALE: 1/16"=1'-0"
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L300









• CONSERVATION • BOARD •

Submission Requirements

Burlington is well known as a community with a high quality of life, small and cohesive neighborhoods, a vibrant downtown and waterfront – all within a spectacular setting on the shores of Lake Champlain. This deserving reputation is due in part to the City’s small size, entrepreneurial spirit, respect for its environment, civic-minded citizens and activist government. One of the many factors that makes Burlington such a great place to live, work and visit is the community’s attention to detail, and respect for its setting, heritage and quality urban design.

Burlington’s Design Review process strives to protect the city’s unique qualities and strong sense of place by carrying out citywide development and design objectives. The purpose of this *Development Review Guide* is to help applicants in preparing projects to be reviewed by the City’s Conservation Board. Through materials such as this, the Department of Planning & Zoning seeks to make information available well before the final design of a project, saving the applicant, and the city, time and money.

The Burlington Conservation Board (BCB) is responsible for advising the City on matters regarding natural resource conservation and environmental protection. Activities of this board of citizen volunteers typically take two forms - first, providing advice and recommendations regarding potential environmental impacts to the Development Review Board on proposals for land development, and second, providing advice to the Mayor, Planning Commission, City Council, and others regarding land use policy and regulation as it pertains to the natural environment.



BRINGING YOUR PROJECT TO THE BCB

Development projects that affect important natural areas or open space are reviewed by the BCB before going to the Development Review Board (DRB). The Conservation Board’s responsibility is to address potential environmental impacts of development.

Applicants bringing a development proposal before the Conservation Board are strongly advised to begin the conversation as early in the planning process as possible. Early meetings, even when plans are in the concept phase, can be beneficial as informal feedback from the Board can significantly improve the final project, saving the applicant, time and money.

Final review by the BCB requires **a current, accurate, and complete site plan**. The site plan must include land and structural dimensions; lot coverage; circulation and parking plans; notations of significant natural features such as water bodies, wetlands and buffers, steep slopes and open space; and proposed stormwater

management plans, facilities, and maintenance schedules. Final plans reviewed by the BCB should be the same as those that will be reviewed by the DRB. See the *Design Review Guide – Site Plans* for further reference.

BCB resolutions concerning development applications may take one of several forms, including:

- Full endorsement or support;
- Endorsement, with conditions or recommendations for additions or modifications;
- No action, due to incomplete project plans or missing information; or
- Rejection or non-support.

The BCB will not endorse projects based on incomplete, obsolete, or inaccurate site plans and information. The applicant risks either no action or a resolution of non-support if they do not present complete information to the BCB. In cases of incomplete information, the BCB will explain to the DRB why the Board could not endorse the project and will specify the additional information that is needed. The DRB may choose to send the applicant back to the BCB with the additional information.



WHAT ARE THE ISSUES?

In addition to the site plan, you will need to provide complete information concerning any of the following issues that may be relevant to your project:

- **Air** – will the project pose a threat to local or regional air quality?
- **Soil** – will the project result in soil erosion? Be sure to include a construction and post-construction erosion control plan.
- **Water** – will the project affect streams, lakes, and/or ground water during construction or as a result of the completed project? Be sure to include a stormwater control and maintenance plan.
- **Wetlands** – has the site been evaluated for wetlands? If so, what are your plans for their protection?
- **Toxic/hazardous materials** – are there contaminated soils or toxic/hazardous materials associated with the site or project? If so, what are your plans for disposal or management?
- **Plant and animal life** – will the project have an adverse effect on significant plants, animals, or natural communities, including rare, threatened, or endangered species? If so, what are your plans for their protection?
- **Agricultural or forest lands** – will the project affect agricultural or forest lands? If so, what are your plans for mitigating the impact?
- **Open space** – will the project affect existing or potential open space? If so, what are your plans for mitigating the impact?
- **Scenic areas** – will the project affect scenic areas, visual corridors, or vistas visible from public areas? If so, what are your plans for mitigating the impact?
- **Aesthetic/recreation/quality of life** – will the project degrade aesthetic or recreational standards in the area? If so, what are your plans for mitigating the impact?



STORMWATER

Stormwater runoff from urban places like Burlington poses a significant pollution problem for Lake Champlain. Therefore the BCB pays special attention to stormwater and erosion effects of development. Of particular interest to the Board is erosion control during construction, and the maintenance of stormwater facilities after a project is complete.

You should refer to the BCB pamphlet "Stormwater and Erosion Control" and the BCB web site (www.ci.burlington.vt.us/planning/cb/stormwater/management.html) for a more detailed discussion of the Board's concerns.



OTHER PERMITS

In addition to local permits, your project may require a State or Federal permit. Examples include a General Construction Permit, Stormwater Discharge Permit, Conditional Use Determination for wetlands, or Act 250 permit. Applicants for City permits should be prepared to discuss their plans and time frame for obtaining these permits.

Because local concerns may differ from State or Federal considerations, **issuance of State or Federal permits does not automatically guarantee endorsement of a proposed project by the Conservation Board.**

ADDITIONAL INFORMATION

general information, regulations & zoning permits

- **Burlington Dept. of Planning & Zoning**
149 Church St., Burlington, VT 05401
802.865.7188 www.ci.burlington.vt.us/planning/

state regulations and permits

- **VT Dept. of Environmental Conservation**
Essex Regional Office
111 West Street
Essex Junction, Vermont 05452
802-.879.5656 www.anr.state.vt.us/dec/permits.htm

In accordance with the Americans with Disabilities Act (ADA) of 1992, it is the policy of the City of Burlington not to discriminate on the basis of disability in offering benefits, services, programs, and activities.

This information can be made available in alternative media forms for people with disabilities. Reasonable accommodation shall be made upon request to insure that all benefits, services, programs, and activities offered by the City are fully accessible to all individuals. For information, call 865-7188 (865-7144 TTY). EOE.

Prepared by the Burlington Department of Planning & Zoning, June 2004

Conservation Board initiatives / potential activities 2023

June 5

Initiative	
1	Develop and implement the nature-based climate solutions grant
2	Re-work the solicitation for the Urban Forest Plan
3	Advise/participate in developing deer management plan in the Intervale
4	Review a couple of large development applications coming up
5	Monitor opportunities for land acquisition for conservation
6	Forward some sort of requirement for native species plantings
7	Re-do/update the Conservation Board application guidelines

planting environments, expected to provide a mature canopy of no less than 25-feet in diameter, and selected from an approved list maintained by the city arborist. Existing trees retained within 25-feet of the perimeter of the parking area (including public street trees), and with a minimum caliper size greater than 3-inches, may be counted towards the new tree planting requirement.

All parking areas shall provide a physical separation between moving and parked vehicles and pedestrians in a manner that minimizes conflicts and gives pedestrians a safe and unobstructed route to building entrance(s) or a public sidewalk.

Where bicycle parking is provided, access shall be provided along vehicular driveways or separate paths, with clearly marked signs indicating the location of parking areas. Where bicycle parking is located proximate to a building entrance, all shared walkways shall be of sufficient width to separate bicycles and pedestrians, and be clearly marked to avoid conflicts. All bicycle parking areas shall link directly to a pedestrian route to a building entrance. All bicycle parking shall be in conformance with applicable design & construction details as provided by the dept. of public works.

(m) Landscaping, Fences and Retaining Walls:

Landscaping shall be used to beautify the development site and to provide specific functions and benefits to the uses and buildings on the site. These include but are not limited to stormwater retention and erosion control, winter windbreaks and summer shade, recreational and habitat corridors, buffers and screening of parking areas, and creating privacy for and from adjacent property.

Existing trees shall be retained and incorporated into a landscape plan to the extent possible, and existing trees to be retained shall be protected during construction in accordance with specifications provided by the city arborist. Contiguous green space, both within the site and with adjacent properties, should be provided on a site whenever possible and be designed to provide wildlife travel corridors and habitat preservation, as well as enabling recreational access. If open space is intended to be publicly accessible, it shall be designed to maximize accessibility for all individuals including the disabled, encourage social interaction, and facilitate ease of maintenance. Along the street edge, landscaping shall be used to provide a visual buffer into parking areas from the public street and reinforce the streetscape.

The selection of plant materials and planting sites should create a sustainable landscape, and consideration shall be given to factors such as hardiness, salt tolerance, disease resistance, invasiveness, root and canopy spread, underground and overhead utilities, soil conditions, and microclimates. The use of native plant materials is encouraged, and the use of plants considered invasive by VT Agency of Agriculture shall be prohibited. For more information on sustainable landscapes, applicants are encouraged to consult *Planting Sustainable Landscapes: A Guide for Plan Reviewers* prepared for the Vermont Department of Forests Parks and Recreation by the Vermont Chapter of the American Society of Landscape Architects.

New or replacement street trees shall be provided consistent with the city's *Street Tree Master Plan*. All proposed street trees shall be selected and planted in accordance with specifications provided by the city arborist.

Fences may be placed within the required setback along a property line, but shall be setback sufficiently to provide for the maintenance of both sides of the fence without entering onto the adjacent property and shall present a finished side to the adjoining property and public street. Fences placed within a clear sight triangle shall adhere to the standards of Sec. 5.2.6 (c). Styles, materials, and dimensions of the proposed fence shall be compatible with the context of the neighborhood and the use of the property.

Retaining walls greater than 5 feet tall shall incorporate textured surfaces, terracing, and/or vegetation to avoid long monotonous unarticulated expanses and to minimize adverse visual impacts to neighboring properties. As with fences, retaining wall styles, materials, and dimensions shall be compatible with the context of the neighborhood and use of the property.

(n) Public Plazas and Open Space:

Where public open space is provided as an amenity to the site plan, it should be sited on the parcel to maximize solar exposure, with landscaping and hardscape (including fountains, sitting walls, public art, and street furniture) to encourage its use by the public in all seasons. Public plazas should be visually and physically accessible from public rights-of-ways and building entrances where appropriate and shall be designed to maximize accessibility for all individuals, including the disabled and encourage social interaction.

Public space should be coordinated with the surrounding buildings without compromising safety and visibility. Public spaces should be surrounded by active uses that generate pedestrian traffic, and connect the space to major activity centers, streets, or corridors.

New structures and additions to existing structures shall be shaped to reduce shadows on public plazas and other publicly accessible spaces. In determining the impact of shadows, the following factors shall be taken into account: the mass of area shaded, the duration of shading, and the importance of sunlight to the utility of the type of open space being shadowed. Proposed development shall be considered for solar impact based the sun angle during the Vernal and Autumnal equinox.

(o) Outdoor Lighting:

Where exterior lighting is proposed the applicant shall meet the lighting performance standards as per Sec 5.5.2.