

TOWN OF NISKAYUNA

Tree Council

Agenda

April 15, 2021

6:00 PM

VIA REMOTE MEETING SOFTWARE

REGULAR AGENDA MEETING

I. CALL TO ORDER

II. ROLL CALL

III. APPROVAL OF MINUTES

1. March 11, 2021

IV. PRIVILEGE OF THE FLOOR

V. NEW BUSINESS / ACTION ITEMS

1. Highway Referrals
 - A. 805 Oregon Ave
 - B. 1131 Regent St
2. Plant List – Rivers Ledge Aqueduct Park

VI. DISCUSSION ITEM

1. Planning Board Site Walks
 - A. 2538 River Road (Kelts Farm)
 - B. 1380 Van Antwerp Subdivision
 - C. Rivers Ledge Site Walk
2. Dean Street Neighborhood Planting - letter
3. Arbor Day Planting – 2 Sassafras Trees

VII. REPORTS

1. Public Outreach Subcommittee
 - A. Arbor Day April 24th
2. Tree Inventory / Tree Master Plan Subcommittee
3. Tree Planting Subcommittee

VIII. ADJOURNMENT

**NEXT MEETING: May 13, 2021
at 6:00 pm
to be held Virtually**

**TOWN OF NISKAYUNA
Tree Council
Minutes
March 11, 2021**

Members Present: Carol Carey, Chairwoman
Jonathan Marr
Andrea Worthington
Amanda Matuszyk
Amy Howansky
Chris Zimmerman
Paul Sebesta
Darryl Bray
Amy Sarah LeMena
Faith Foley, Youth Representative
Laura Robertson, Town Planner

Due to the Covid-19 virus and the quarantine, the meeting was conducted virtually via Google Meets software.

I. CALL TO ORDER

The meeting came to order at 6:00 p.m.

II. ROLL CALL

All members were present.

III. APPROVAL OF MINUTES

Minutes from the February meeting were presented. Ms. Howansky noted a dozen minor changes that included typos and sentence rephrasing. Mr. Marr and Chairwoman Carey noted a couple of more minor changes. Ms. Worthington placed a motion to accept the February minutes as modified/corrected. Ms. Howansky seconded the motion and all the Council approved. The February minutes were approved.

IV. PRIVILEGE OF THE FLOOR

No one contacted Ms. Robertson to speak. No messages were received by email.

V. NEW BUSINESS

Ms. Howansky participated in a virtual program called Tree Equity. The host did a study of the tree canopy based on location. The results showed lower income neighborhoods have less trees. Less trees in turn results in higher utility costs (electric for air conditioning) due to lack of shade. It has also been proven that cases of asthma are increased because trees are not there to clean the air. She noted that she was told that a model should be available April 1st. Local towns can then review the tree equity in their community so they can plan planting projects. Ms. Howansky will continue to monitor the access to this information. Mr. Zimmerman noted that this information could be very useful and may fit well into the Street Tree Master Plan. Ms. Howansky stated the program was free and she will check if it was recorded. If she can find the link to the program, she will forward it to the members of the Tree Council.

VI. DISCUSSION ITEM

1. 2538 River Road – Kelts Farm

Ms. Robertson showed the tree clearing plan and the areas on the property that are not being cleared for the project. Chairwoman Carey asked if the plans still include a pollinator pathway. Ms. Robertson stated that the builder is still interested in working with the Tree Council on this.

Mr. Zimmerman asked about the wetlands and stream. Ms. Robertson showed how the road crosses the stream so she believes there will be a culvert under the road for the stream. She will check with the Engineers to confirm. Mr. Zimmerman asked if the stream/wetlands are controlled by the Army Corp of Engineers. Ms. Robertson said they are, and the developer has limitations of clearing because of them but has approvals for the road. She will review her notes and let the Council know what conditions the builder must follow.

Mr. Zimmerman asked what species of Lupine are on the property. He noted that the Karner Blue Butterfly lupine is difficult to transplant due to their root system.

Ms. Howansky asked where the Town was going to develop the pollinator pathway. Ms. Robertson showed the location which is outside the boundaries of the project. Ms. Howansky asked if the developer was going to do the planting or just relocate the plants for volunteers. Ms. Robertson she believes the developer plans to transplant the flowers using a backhoe to scoop up the top layer of soil with the flowers in it and then move the soil.

Mr. Zimmerman noted he does not believe the flowers on the property are the karner blue variety. Because the previous owner sold cut flowers, he believes they are ornamental lupines which should be easier to transplant. He noted there were other varieties of flowering plants on the property also.

Ms. Howansky noted that Cobleskill College is starting up a program to grow and sell native wildflowers. They will be selling them in variety groups. She will continue to watch how this program is progressing.

Mr. Zimmerman will be interested in visiting the site to see if the soil matches the soils needed for the karner blue butterfly lupines.

Ms. Robertson stated the Planning Board asked the Tree Council to review the clearing area map and she will follow up with the Planning Board the questions that have been discussed tonight. In particular, the stream, the variety of Lupine, and the soil types in the undeveloped land.

Ms. Howansky asked to be reminded of the tree planting requirements. Ms. Robertson stated there would be 2 per lot or 1 every 60'. Ms. Howansky asked if a tree planting plan has been created. Ms. Robertson stated she will push the developer to create one. Mr. Zimmerman was concerned about trees near the stream. He did not want the development to change the characteristics of the stream as it has existed with plants and animals/fish. Ms. Robertson will bring the concerns to the TDE involved with the project. Mr. Zimmerman asked if we could schedule another site visit. Ms. Robertson stated she will try to arrange one. She will also send the everyone a copy of the engineered plans for the site.

Ms. Matuszyk asked who will transplant the lupine. Ms. Robertson stated the developer would scoop up the top layer of soil and lay it down gently with the plants in it. Ms. Howansky did not think that would be the best method to do the work. Ms. Robertson noted that the developer did move dirt in the past and he said he remembered seeing lupines grow out of the relocated soil. Council members wondered if it was seeds taking root or existing plants resprouting. Ms. Robertson noted she did not get close to the plants to know one way or the other.

At this time, Mr. Zimmerman left the meeting.

2. 1380 Van Antwerp Subdivision

Mr. Bray noted that he would be abstaining from this case because of previous comments he made about the subdivision.

Ms. Robertson stated there are some wonderful, old trees on this property. The Tree Council may be familiar with this project because they reviewed it in the past. The Planning Board denied sketch plan approval and the developer went to court. The judge ruled against the Planning Board stating the Planning Board's denial was arbitrary and capricious. Ms. Robertson presented the Tree Council's original memo to the Planning Board for review.

Ms. Robertson noted that the location of the carriage house will affect saving some of the old trees. The developer may relocate the driveway of the existing house to better serve the new location of the carriage house.

Mr. Marr asked if the previous owner has a comment on the subdivision. Ms. Robertson stated they did when this site was originally presented to the Planning Board. They had a lot of comments about the existing trees and flowers on the land.

Ms. Worthington asked if this developer was the same who did a previous subdivision in this area. Ms. Robertson stated it was the same person that developed the houses. Ms. Worthington commented there are no trees on those lots and wondered how that happened. Ms. Robertson stated the Tree Council had not formed yet and the Planning Board did not write those conditions into the final subdivision plan.

Ms. Matuszyk asked if the rain gardens will still be added and are the locations the same. Ms. Robertson stated she thinks the plans continue to be what were seen in the past. She has not received any updated plans from the developer.

Mr. Bray noted a large silver maple has already been lost on the existing property. It was a large tree next to the existing house that came down during a storm.

Ms. Robertson stated she may get a new sketch plan and will provide it to the Council when she gets it. She also noted she will schedule a new property walk to remind the Council the locations of the new lots and what trees will be removed to allow for new houses.

3. Rivers Ledge Park

Ms. Robertson noted that the developer has begun removing trees in Aqueduct Park. She may have to send a note to the public stating the park is temporarily closed while this work is being done. Healthy large trees are being saved. The underbrush will get cleared. The developer is planning on replanting a lot of trees that will not be invasive.

Ms. Robertson stated the developer is doing the public improvement (Aqueduct Park) early on in the project rather than after he is all done. The developer wants the park to look nice as he continues to build apartments on his land. All this work is Phase 1. Phase 2 needs a permit with the Army Corp of Engineers which is very difficult to get. The Council has only reviewed Phase 1 of the project. Phase 1 had very little clearing because the property was a junk yard. Phase 2 will have much more clearing of trees.

Ms. Robertson stated that the bike path crossings have been allowed. Because the bike path existing before these access roads, cars will need to stop to give the bike path priority.

Mr. Sebesta asked if these access roads are public or private. Ms. Robertson stated these roads are public roads because the Mohawk Hudson Multi-Use Trail does not allow private roads to cross the path. The

Town has entered into a perpetual agreement that the owner of the Rivers Ledge property will maintain the road and the crossings.

Ms. Howansky asked if another site visit can be scheduled. Ms. Robertson stated it can. The developer first wants to dig out all the canal stones and clean them up. They want to bring in fill to flatten out the park area and then plan how the stones will be used in the new park area. At that point it would be worthwhile for another site walk.

4. Dean Street Neighborhood Planting

Chairwoman Carey explained that extra money is available from a National Grid Grant. She learned that we can purchase 30 to 40 trees at \$150/tree. The trees will need to be purchased and planted this year. The Tree Council has previously planned to add trees to the north end of Dean Street. A fall planting program should be organized. Ms. Howansky asked if the Council can tag and collect the trees. Chairwoman Carey will find out. She stated they need to make a plan and contact residents. Mr. Sebesta noted that Dean Street is a County Road so the Town's Highway Department would not be involved. Ms. Robertson noted the project size is about the same as Ray and Cornelius Streets.

Ms. Howansky stated the need to talk to the County to help mark locations where trees cannot be planted. The Ray and Cornelius project showed how important it is to make up a detailed plan because of overhead wires, space concerns and residents requests. Chairwoman Carey noted the trees are likely limited to the trees on the National Grid 10,000 tree list.

Ms. Robertson, Ms. Worthington, Ms. Howansky and Mr. Bray agreed to schedule a visit to the area to understand what the project would need as a whole. Letters to residents would be the next step.

VII. REPORTS

1. Public Outreach

Chairwoman Carey reported that she has scheduled the Arbor Day event for April 24th. The time has not been decided yet. The event will be in the Senior Center parking lot. There will be a tree give-away, a brochure on the benefits of trees will be handed out, a tree identification scavenger hunt information will be handed out, and coloring page giveaway. The Town will plant the Arbor Day tree at the Senior Center.

Ms. Robertson reported that the police are happy with the location as long as cars enter on Banker Avenue and exit to Aqueduct Road. She reached out to Northern and asked if they could find a sassafras tree for planting. Ms. Howansky asked if members can choose the site for the sassafras tree. Ms. Robertson stated they can. The only thing they need to be aware of is the tree is salt intolerant so it needs to be kept away from the parking lot and runoff from the parking lot.

Chairwoman Carey asked if Ms. Howansky could do a seed giveaway like she had planned in the past. Ms. Howansky considered a catalpa seed giveaway. She will check how many she has to give away. Chairwoman Carey noted they ordered 320 saplings to give away. Ms. Robertson noted that the seeds do not have to go into the packets. The Council could ask the drivers if they were interested in a seed kit.

Mr. Sebesta asked if the seeds can be collected now. Ms. Howansky stated that the seeds need to be collected in the fall.

Chairwoman Carey noted the Tree Council website is still not working. She needs to get that fixed before the event in order to be able to give away the magnets.

Ms. Robertson noted the Town website is now updated. The member list is updated and a year's worth of agendas and minutes are loaded. Ms. Robertson noted that the Tree Council website links back to the Town website for this information.

Ms. Howansky asked a question about the tree prices for the Dean Street project. She asked if the tree cost has to be \$150 or less or the average cost of trees need to be \$150 or less. Ms. Robertson noted they did not analyze the individual cost of trees too closely when they did the Ray and Cornelius project. National Grid reviewed the plan ahead of time and then simply reimbursed us for the trees at the end. The project stayed within budget and they were agreeable.

2. Tree Inventory/Tree Master Plan

Chairwoman Carey noted she joined this subcommittee to help keep this project moving forward. She noted that she would work on the goals and similar information. Mr. Zimmerman will work on the data, case studies, and fulcrum data. Ms. Worthington will work on another area and review information from Mr. Zimmerman and Chairwoman Carey. She noted the goal was for finish the first draft by the end of Spring.

3. Tree Planting

Ms. Howansky gave a summary of past projects with the new members to the Council. Namely the Ray and Cornelius tree planting program, the annual tree locating to help the Highway Department normal tree planting. Ms. Robertson noted that we will not do the extra spring tree planting like we did in 2020. Ms. Howansky also noted they are working on a project at Blatnick Park improving the sign. The current plan of action is to do a Dean Street walk about and a Senior Center Arbor Day planting walk about.

Ms. Howansky reviewed her Tree Site Planning Checklist and asked if anyone had a comment. Mr. Sebesta questioned the 20% diversity criteria. He noted that this would not allow a developer to have a theme for their plantings. Ms. Robertson noted that code requires 3 different types of plants planted and 20% would bring it to 5 different varieties. Ms. Howansky suggested she would reword the note on the checklist. Mr. Bray suggested changing it to 30%.

Chairwoman Carey noted the phrase 'indicate how the plan meets the tree diversity requirement' is in a list where everything else is a check off on a list. She asked how did they want the developer to answer this comment. Ms. Howansky stated it was her way to make the developer re-evaluate their planting plan to verify they are planting a diverse set of plants. She noted she understood Chairwoman Carey's point and will rephrase the item. Ms. Worthington asked how a list like this would get into the developer's hands. Ms. Robertson stated she will be presenting it to the developer as they move forward on their project.

Ms. Howansky shared her screen and showed a page that would be included in the tree list. She discussed how this list would discuss cultivars for each type of tree and their different attributes. The Council liked the options Ms. Howansky presented and stated she can make her own decision on how to present the information.

Chairwoman Carey asked how the public will get access to this information. Ms. Robertson stated that it could be loaded on to the Town website. She also noted that she can ask the Gazette to write something up about how the Tree Council is helping the Town, the Highway Department, and the residents.

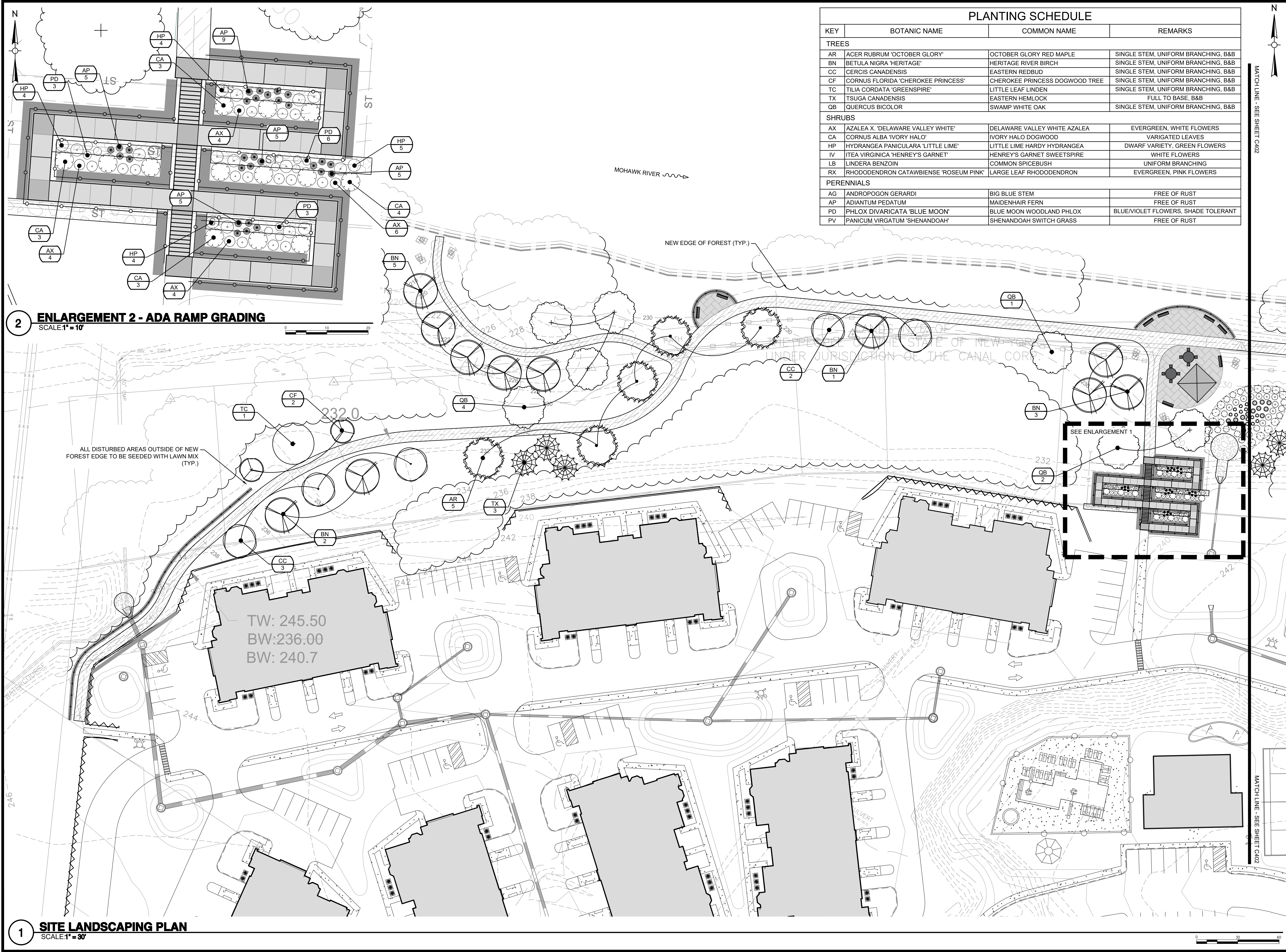
Chairwoman Carey reminded Ms. Robertson the Arbor Day event needs to be advertised. Ms. Robertson noted she can do an email blast. She noted that the flowering shrubs ran out last year so more were ordered for this year.

202 Ms. Howansky wanted the Council to advertise a search for special trees in Niskayuna. She asked Ms.
203 Robertson if we had the ability to GPS tag them and then to QR code them. With this information,
204 residents can find the tree and learn what is special about them. Chairwoman Carey noted this was on the
205 Public Outreach 'to-do' list and hopefully we can move it to the 'doing' list this year.

206 **III. ADJOURNMENT**

207 Chairwoman Carey thanked everyone for staying for such a long meeting. Ms. Robertson asked the youth
208 advocate, Ms. Foley, to take the Arbor Day information back to the high school and ask if they would like
209 to see something added to the event that would appeal to their age group. Ms. Howansky placed a motion
210 to adjourn. Ms. Worthington seconded the motion and all members approved.

211 The meeting was adjourned at 7:55 p.m.



2 ENLARGEMENT 2 - ADA RAMP GRADING
SCALE: 1" = 10'

1 SITE LANDSCAPING PLAN
SCALE: 1" = 30'

PLANTING SCHEDULE			
KEY	BOTANIC NAME	COMMON NAME	REMARKS
TREES			
AR	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	SINGLE STEM, UNIFORM BRANCHING, B&B
BN	BETULA NIGRA 'HERITAGE'	HERITAGE RIVER BIRCH	SINGLE STEM, UNIFORM BRANCHING, B&B
CC	CERCIS CANADENSIS	EASTERN REDBUD	SINGLE STEM, UNIFORM BRANCHING, B&B
CF	CORNUS FLORIDA 'CHEROKEE PRINCESS'	CHEROKEE PRINCESS DOGWOOD TREE	SINGLE STEM, UNIFORM BRANCHING, B&B
TC	TILIA CORDATA 'GREENSPIRE'	LITTLE LEAF LINDEN	SINGLE STEM, UNIFORM BRANCHING, B&B
TX	TSUGA CANADENSIS	EASTERN HEMLOCK	FULL TO BASE, B&B
QB	QUERCUS BICOLOR	SWAMP WHITE OAK	SINGLE STEM, UNIFORM BRANCHING, B&B
SHRUBS			
AX	AZALEA X 'DELAWARE VALLEY WHITE'	DELAWARE VALLEY WHITE AZALEA	EVERGREEN, WHITE FLOWERS
CA	CORNUS ALBA 'IVORY HALO'	IVORY HALO DOGWOOD	VARIATED LEAVES
HP	HYDRANGEA PANICULARA 'LITTLE LIME'	LITTLE LIME HARDY HYDRANGEA	DWARF VARIETY, GREEN FLOWERS
IV	ITEA VIRGINICA 'HENREY'S GARNET'	HENREY'S GARNET SWEETSPIRE	WHITE FLOWERS
LB	LINDERA BENZOIN	COMMON SPICEBUSH	UNIFORM BRANCHING
RX	RHODODENDRON CATAWBIENSE 'ROSEUM PINK'	LARGE LEAF RHODODENDRON	EVERGREEN, PINK FLOWERS
PERENNIALS			
AG	ANDROPOGON GERARDI	BIG BLUE STEM	FREE OF RUST
AP	ADIANTUM PEDATUM	MAIDENHAIR FERN	FREE OF RUST
PD	PHLOX DIVARICATA 'BLUE MOON'	BLUE MOON WOODLAND PHLOX	BLUE/VIOLET FLOWERS, SHADE TOLERANT
PV	PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCH GRASS	FREE OF RUST

Project:

AQUEDUCT PARK IMPROVEMENTS PROJECT

Weston & Sampson
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www.westonandsampson.com

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Revisions:

No.	Date	Description

Seal:

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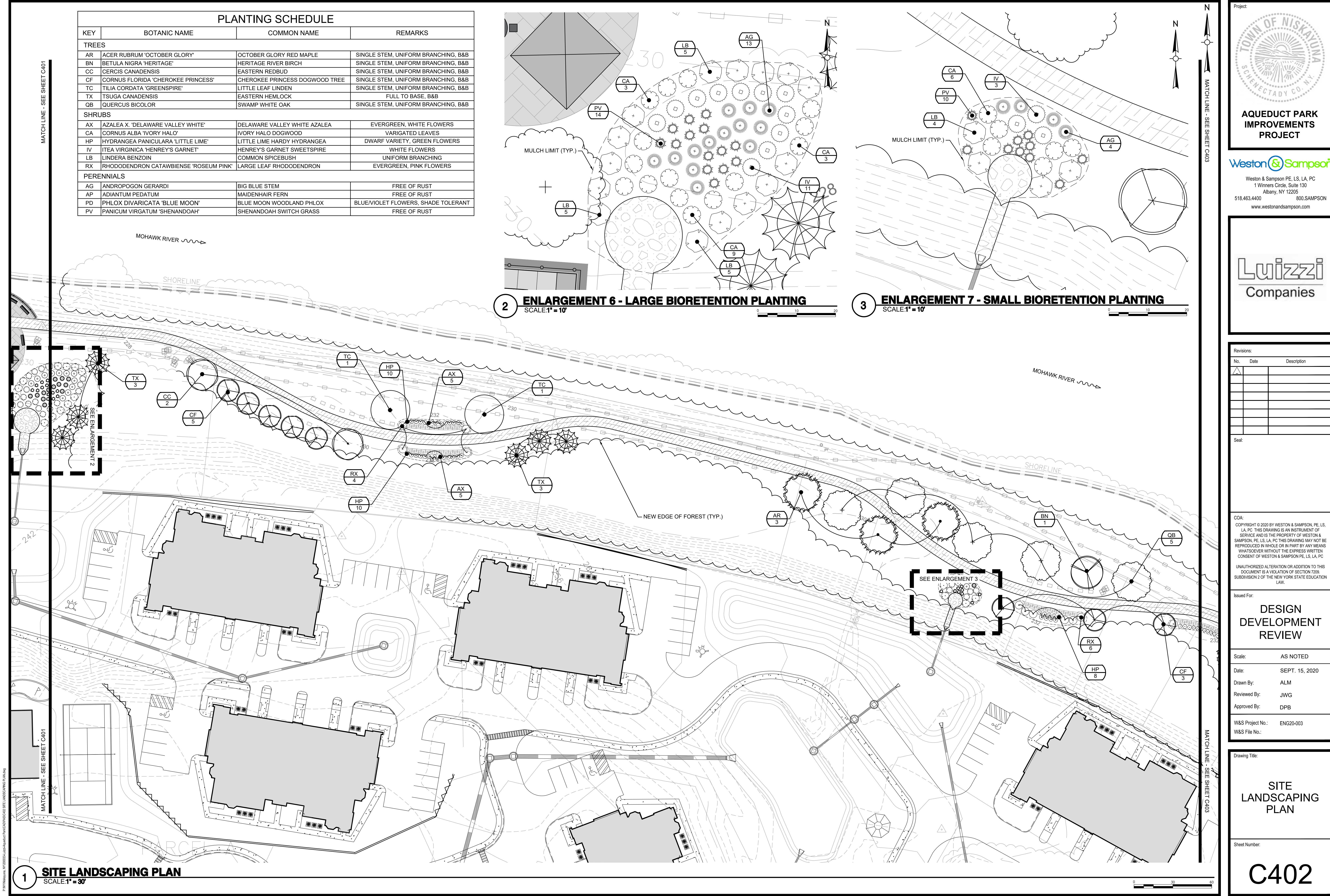
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SITE LANDSCAPING PLAN

Sheet Number:

C401

Rev. 1.0 Date: 04/10/2019




PLANTING SCHEDULE			
KEY	BOTANIC NAME	COMMON NAME	REMARKS
TREES			
AR	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	SINGLE STEM, UNIFORM BRANCHING, B&B
BN	BETULA NIGRA 'HERITAGE'	HERITAGE RIVER BIRCH	SINGLE STEM, UNIFORM BRANCHING, B&B
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TC	TILIA CORDATA 'GREENSPIRE'	LITTLE LEAF LINDEN	SINGLE STEM, UNIFORM BRANCHING, B&B
TX	TSUGA CANADENSIS	EASTERN HEMLOCK	FULL TO BASE, B&B
QB	QUERCUS BICOLOR	SWAMP WHITE OAK	SINGLE STEM, UNIFORM BRANCHING, B&B
SHRUBS			
AX	AZALEA X 'DELAWARE VALLEY WHITE'	DELAWARE VALLEY WHITE AZALEA	EVERGREEN, WHITE FLOWERS
CA	CORNUS ALBA 'IVORY HALO'	IVORY HALO DOGWOOD	VARIGATED LEAVES
HP	HYDRANGEA PANICULARA 'LITTLE LIME'	LITTLE LIME HARDY HYDRANGEA	DWARF VARIETY, GREEN FLOWERS
IV	ITEA VIRGINICA 'HENREY'S GARNET'	HENREY'S GARNET SWEETSPIRE	WHITE FLOWERS
LB	LINDERA BENZOIN	COMMON SPICEBUSH	UNIFORM BRANCHING
RX	RHODODENDRON CATAWBIENSE 'ROSEUM PINK'	LARGE LEAF RHODODENDRON	EVERGREEN, PINK FLOWERS
PERENNIALS			
AG	ANDROPOGON GERARDI	BIG BLUE STEM	FREE OF RUST
AP	ADIANTUM PEDATUM	MAIDENHAIR FERN	FREE OF RUST
PD	PHLOX DIVARICATA 'BLUE MOON'	BLUE MOON WOODLAND PHLOX	BLUE/VIOLET FLOWERS, SHADE TOLERANT
PV	PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCH GRASS	FREE OF RUST

2 ENLARGEMENT 6 - LARGE BIORETENTION PLANTING
SCALE: 1" = 10'

3 ENLARGEMENT 7 - SMALL BIORETENTION PLANTING
SCALE: 1" = 10'

1 SITE LANDSCAPING PLAN
SCALE: 1" = 30'

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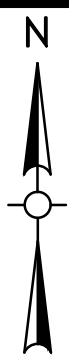
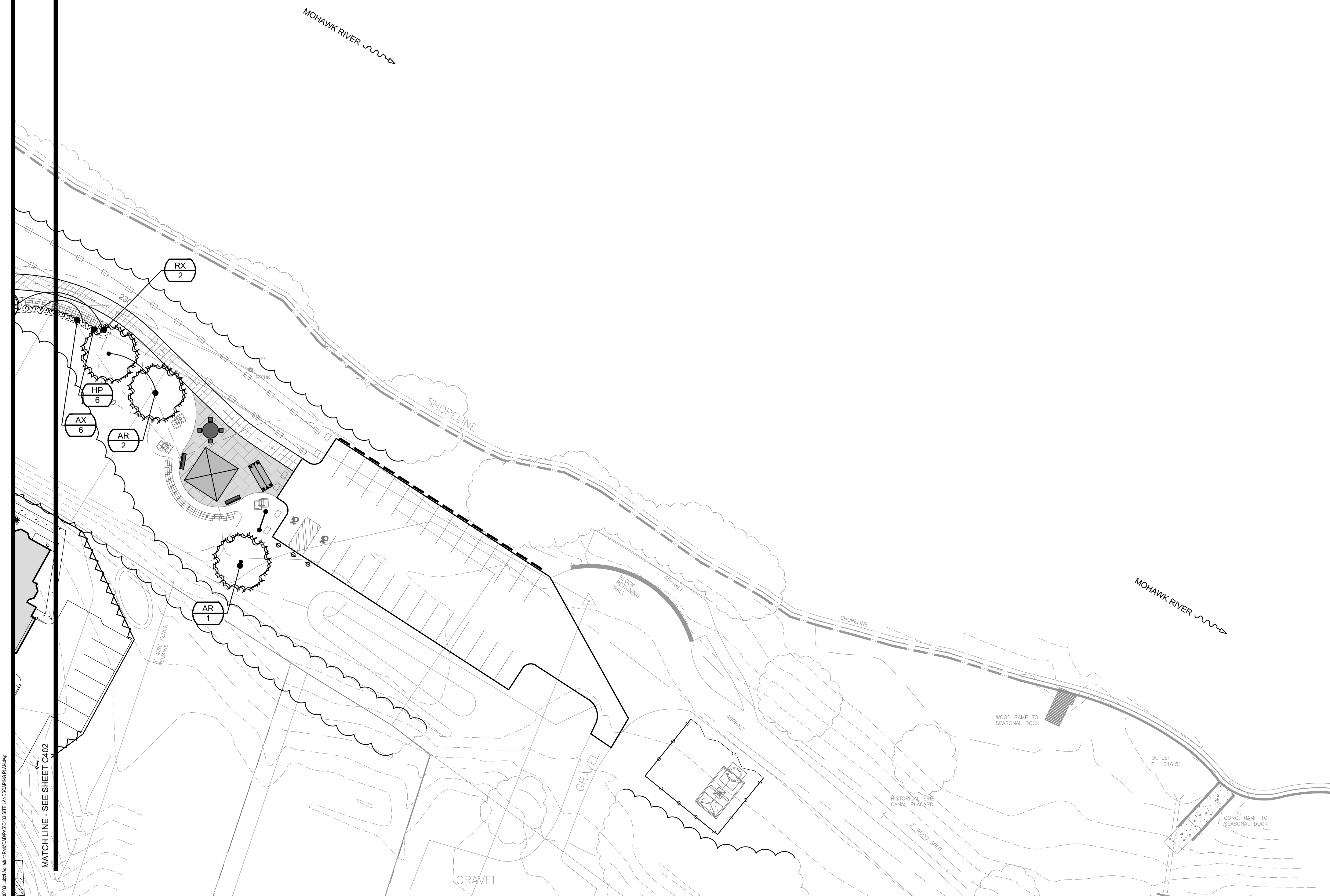
SITE LANDSCAPING PLAN

Sheet Number:

C402

Rev. 1.0 Date: 04/10/2019

PLANTING SCHEDULE			
KEY	BOTANIC NAME	COMMON NAME	REMARKS
TREES			
AR	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	SINGLE STEM, UNIFORM BRANCHING, B&B
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Reviewed By: JWG

Approved By: DF

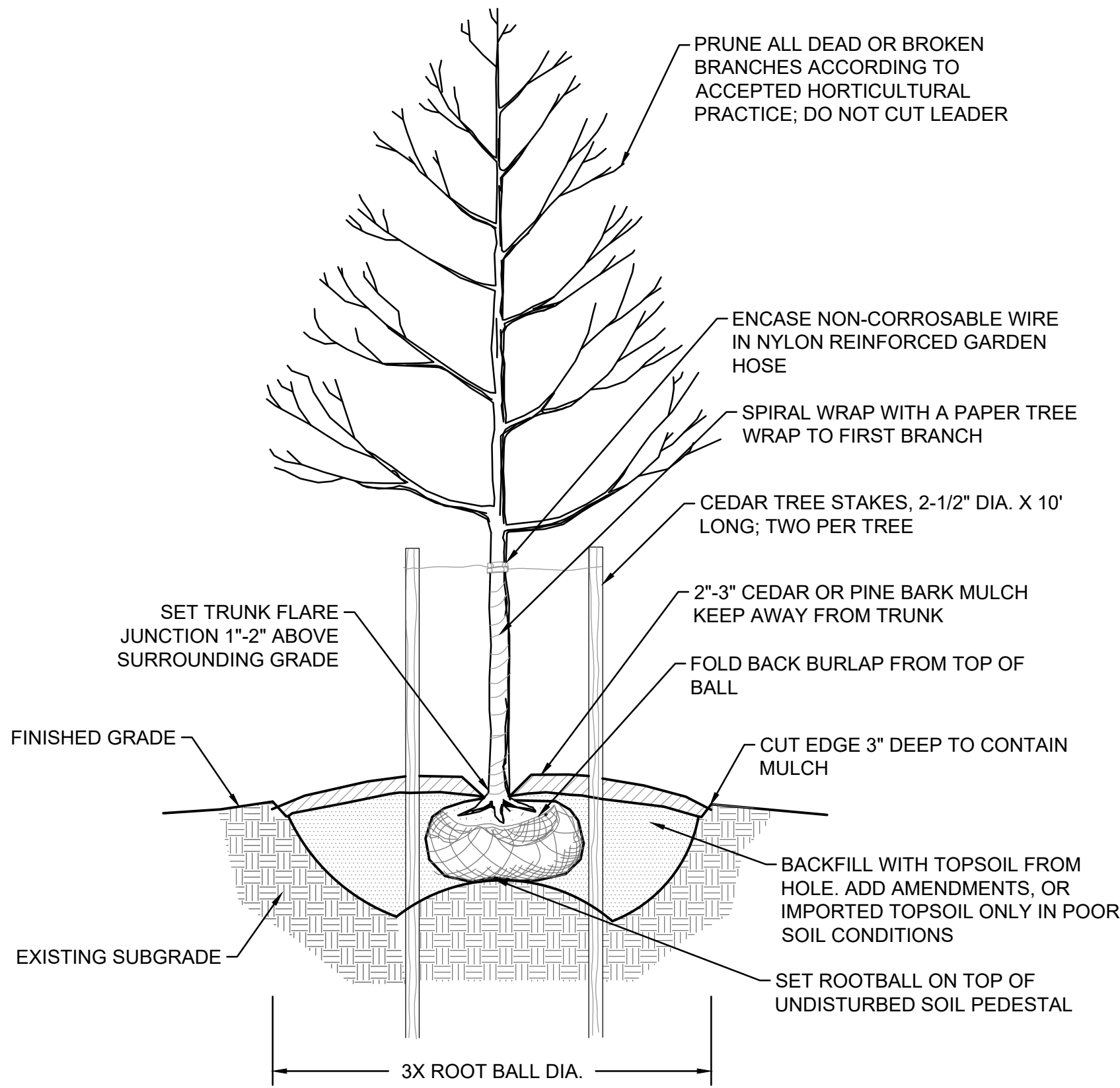
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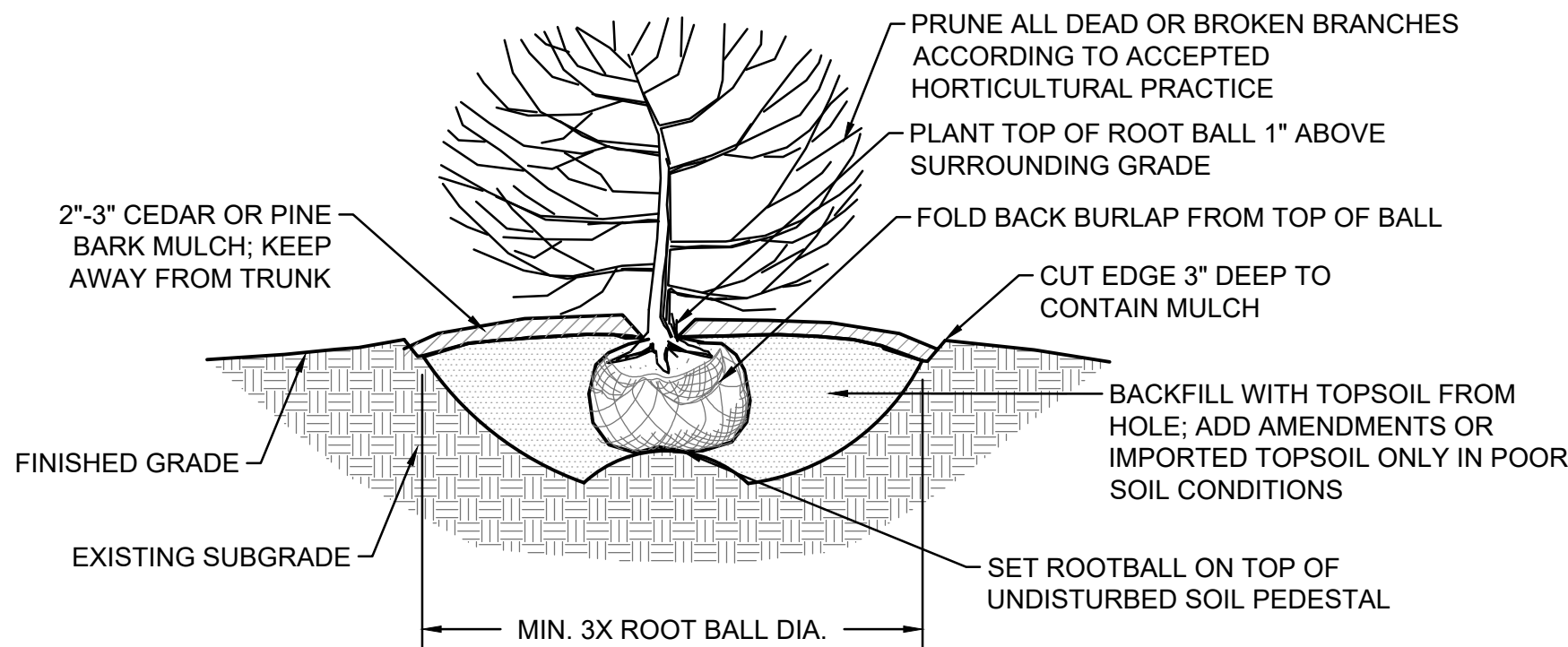
SITE LANDSCAPING PLAN

Sheet Number:

C403



1 **TREE PLANTING DETAIL**
SCALE: N.T.S.

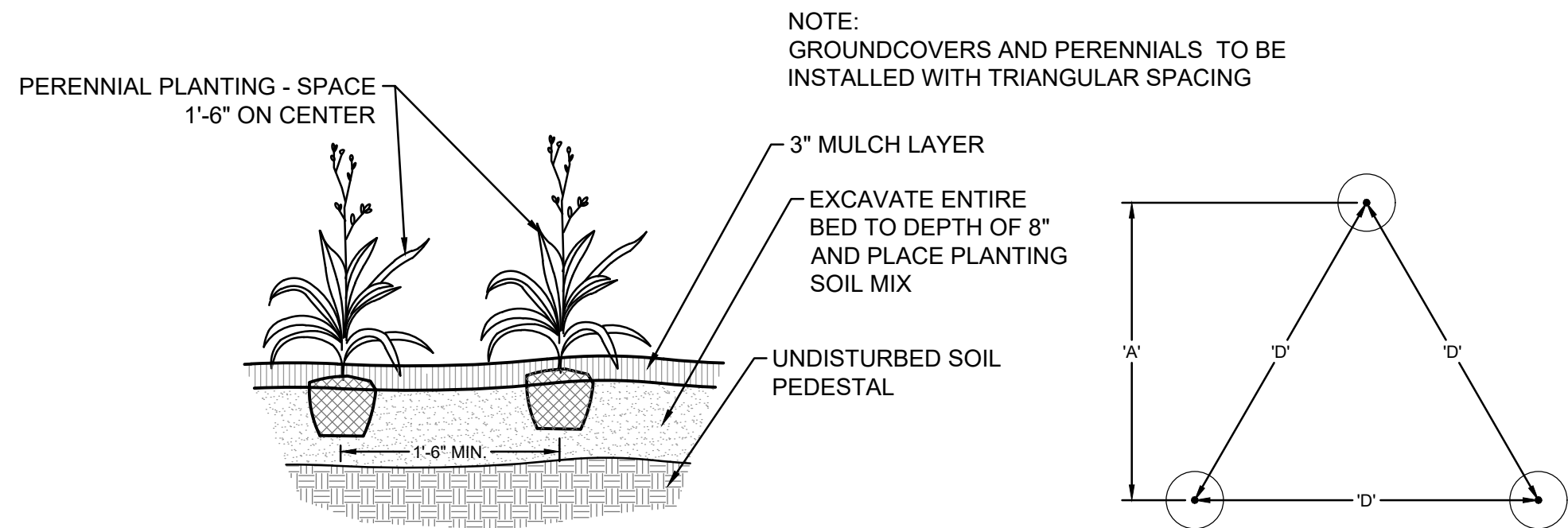


2 **SHRUB PLANTING DETAIL**
SCALE: N.T.S.

LAWN SEED MIX			
SPECIES	% BY WEIGHT	GERMINATION	PURITY
REBEL II OR REBEL III TALL FESCUE (OR EQUIVALENT)	30	95%	80%
RELIENT HARD FESCUE (OR EQUIVALENT)	15	95%	80%
BARON KENTUCKY BLUEGRASS (OR EQUIVALENT)	25	85%	75%
PALMER II OR PRELUDE II PERENNIAL RYEGRASS (OR EQUIVALENT)	30	95%	85%

- TALL FESCUE VARIETY SHALL PROVIDE HEAT AND DROUGHT TOLERANCE AND PRODUCE LEAVES WHICH ARE UP TO 30% FINER AND 188% DENSER THAN THE STANDARD KENTUCKY 31 TALL FESCUE.
- PERENNIAL RYEGRASS VARIETY SHALL PROVIDE HEAT AND DROUGHT TOLERANCE AND PRODUCE A LEAFY TURF-TYPE, FINE TEXTURED, LOW GROWING TURF OF A DARK GREEN COLOR.
- HARD FESCUE VARIETY SHALL PRODUCE DARK GREEN, FINE TEXTURED TURF UNDER MINIMAL MAINTENANCE, ESPECIALLY WHERE THE SURE OF FERTILIZER IS DISCOURAGED OR BANNED.
- THAT PORTION OF THE ABOVE MIXTURES LISTED AS INERT AND OTHER SHALL CONSIST OF NON-VIABLE SEED, CHAFF, HULLS, LIVE SEEDS OF CROP PLANTS AND HARMLESS INERT MATTER.
- ALL SEED MIXTURES SHALL BE MIXED BY THE VENDOR AND SHALL BE DELIVERED IN STANDARD SIZED BAGS OF THE VENDOR, SHOWING THE WEIGHT, ANALYSIS, AND VENDOR'S NAME.
- IF THE CONTRACTOR FEELS A DIFFERENT SEED MIXTURE WILL PERFORM BETTER WITHIN THE ZONE SPECIFIED, HE MAY SUBMIT ON SUCH A MIX.

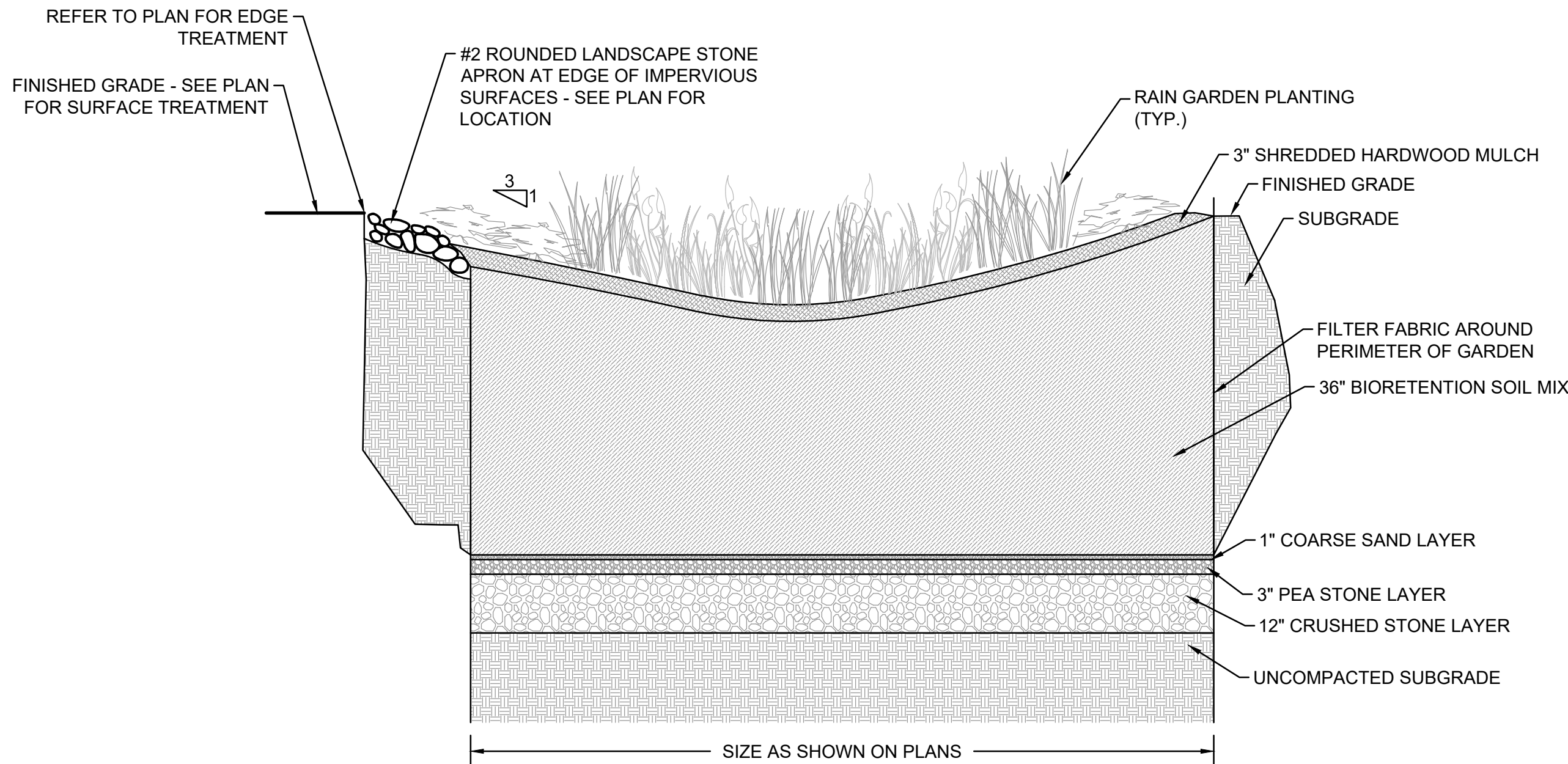
3 **LAWN SEED MIX**
SCALE: N.T.S.



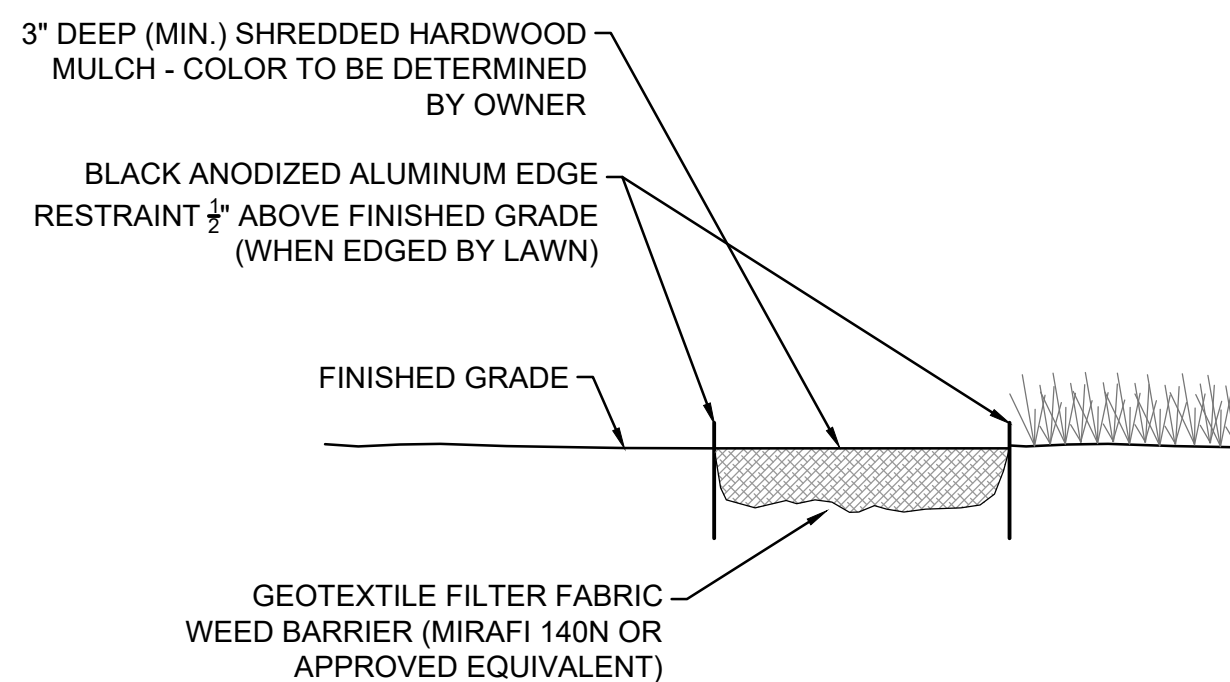
4 **PERENNIAL PLANTING DETAIL**
SCALE: N.T.S.

PLANTING SCHEDULE					
KEY	BOTANIC NAME	COMMON NAME	QUANTITY	SIZE	REMARKS
TREES					
AR	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	11	2.5\"-3.0\" CAL.	SINGLE STEM, UNIFORM BRANCHING, B&B
BN	BETULA NIGRA 'HERITAGE'	HERITAGE RIVER BIRCH	12	8\" - 10\" HT.	SINGLE STEM, UNIFORM BRANCHING, B&B
CC	CERCIS CANADENSIS	EASTERN REDBUD	7	2.0\" - 2.5\" CAL.	SINGLE STEM, UNIFORM BRANCHING, B&B
CF	CORNUS FLORIDA 'CHEROKEE PRINCESS'	CHEROKEE PRINCESS DOGWOOD TREE	10	2.0\" - 2.5\" CAL.	SINGLE STEM, UNIFORM BRANCHING, B&B
TC	TILIA CORDATA 'GREENSPIRE'	LITTLE LEAF LINDEN	3	2.5\" - 3.0\" CAL.	SINGLE STEM, UNIFORM BRANCHING, B&B
TX	TSUGA CANADENSIS	EASTERN HEMLOCK	9	8\" - 10\" HT.	FULL TO BASE, B&B
QB	QUERCUS BICOLOR	SWAMP WHITE OAK	12	2.5\" - 3.0\" CAL.	SINGLE STEM, UNIFORM BRANCHING, B&B
SHRUBS					
AX	AZALEA X. 'DELAWARE VALLEY WHITE'	DELAWARE VALLEY WHITE AZALEA	35	30\" - 36\"	EVERGREEN, WHITE FLOWERS
CA	CORNUS ALBA 'IVORY HALO'	IVORY HALO DOGWOOD	34	36\" - 48\"	VARIGATED LEAVES
HP	HYDRANGEA PANICULARA 'LITTLE LIME'	LITTLE LIME HARDY HYDRANGEA	52	30\" - 36\"	DWARF VARIETY, GREEN FLOWERS
IV	ITEA VIRGINICA 'HENREY'S GARNET'	HENREY'S GARNET SWEETSPIRE	14	36\" - 48\"	WHITE FLOWERS
LB	LINDERA BENZOIN	COMMON SPICEBUSH	19	36\" - 48\"	UNIFORM BRANCHING
RX	RHODODENDRON CATAWBIENSE 'ROSEUM PINK'	LARGE LEAF RHODODENDRON	12	36\" - 48\"	EVERGREEN, PINK FLOWERS
PERENNIALS					
AG	ANDROPOGON GERARDI	BIG BLUE STEM	17	#3 CONT.	FREE OF RUST
AP	ADIANTUM PEDATUM	MAIDENHAIR FERN	29	#1 CONT.	FREE OF RUST
PD	PHLOX DIVARICATA 'BLUE MOON'	BLUE MOON WOODLAND PHLOX	12	#1 CONT.	BLUE/VIOLET FLOWERS, SHADE TOLERANT
PV	PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCH GRASS	24	#3 CONT.	FREE OF RUST

6 **PLANT SCHEDULE**
SCALE: N.T.S.



5 **BIORETENTION AREA DETAIL**
SCALE: N.T.S.



7 **MULCH DETAIL**
SCALE: N.T.S.



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Revisions:		
No.	Date	Description
1		

Seal:

COA:
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Issued For:
DESIGN DEVELOPMENT REVIEW

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