

AGENDA
CITY COUNCIL
CITY OF WOODLAND



MONDAY, JULY 13, 2015
7:00 P.M.

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

2. ROLL CALL

Mayor Doak, Councilors Carlson, Massie, Newberry, and Weiner

3. CONSENT AGENDA

All matters listed under the Consent Agenda are considered to be routine by the City Council and will be enacted by one motion. There will be no special discussion of these items unless a Council member or citizen so requests, in which event the item will be removed from the Consent Agenda and will be considered separately under New Business.

A. Approval of the June 8, 2015 City Council meeting minutes.

4. PUBLIC COMMENT

Individuals may address the City Council about any item not contained on the regular agenda. Comments should be limited to five (5) minutes. The Council may ask questions for clarification purposes, but will take no official action on items discussed with the exception of referral to staff or with the agreement of the Council may be scheduled on the current or future agenda.

5. PUBLIC HEARINGS - NONE

6. NEW BUSINESS

A. 3100 Maplewood Road Landscape Plan – Coen+Partners will present an updated landscape plan that includes the restoration of the Oak Savannah. (This removal/replacement is different from and supplemental to the removal of trees removed for the sake of construction.)

B. Report from Kurt Larson regarding the City's odd-year septic inspections

C. Consideration of quotes for jet cleaning and televising of the City's sewer lines

D. Request for Payment (No. 1) from Northwest Asphalt for work completed on the 2015 Street Improvements Project through June 29, 2015.

7. OLD BUSINESS

8. MAYOR'S REPORT

9. COUNCIL REPORTS

- A. Carlson –Enterprise Finance and Operations, Intergovernmental Relations, and MCWD – **Attachment for discussion:** *History of the Groveland Homeowner Association Sewer and Water Connections*
- B. Massie – Road right-of-way maintenance, Trees, Deer Management
- C. Newberry – Ordinances, Septic Ordinance, and Inspections
- D. Weiner – Public Safety, Police and Fire, General Finance

10. ACCOUNTS PAYABLE

11. TREASURER'S REPORT

12. ADJOURNMENT

- 15 minutes will be allotted for public comment. If the full 15 minutes is not needed, the Council will continue with the agenda
- The next City Council meeting will be held on August 10, 2015

MINUTES
CITY COUNCIL
CITY OF WOODLAND



MONDAY, JUNE 8, 2015

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

Mayor Doak called the meeting to order at 7:00 p.m.

2. ROLL CALL

Present: Mayor Doak, Councilors Carlson, Massie, Newberry, and Weiner

Staff Present: Kathy McCullum, City Clerk

3. CONSENT AGENDA

A. Approval of the May 11, 2015 City Council meeting minutes

Carlson moved, seconded by Newberry to approve the Consent Agenda as presented. Motion carried 5-0.

4. PUBLIC COMMENT - NONE

5. PUBLIC HEARINGS - NONE

6. NEW BUSINESS

A. Resolution No. 18-2015 approving the 2016 agreement for services and authorizing execution of the letter of understanding between the City of Woodland and the City of Deephaven

Mayor Doak reviewed the various aspects of the agreement for the Council. He noted the agreement is very similar to the 2015 agreement. However, there is one difference is that there is a decrease in the fee for the Zoning Coordinator due to the salary and benefit differential between the former and current Zoning Coordinator.

In response to a question from Council Member Weiner, Mayor Doak explained that the Zoning Coordinator attends meetings when zoning requests are

forwarded to the Council for consideration and when his advice is needed by the full Council.

Newberry moved, seconded by Massie to adopt Resolution No. 18-2015 approving the 2016 agreement for services and authorizing execution of the letter of understanding between the City of Woodland and the City of Deephaven. Motion carried 5-0.

B. Discussion relating to the Lake Minnetonka Conservation District (LMCD) Draft Budget

Mayor Doak introduced the item. He said he was pleased to see a decrease in the City's assessment for the coming year. Much of the decrease reflects the use of chemical treatment to reduce the lake weeds in some bays as opposed to mechanical harvesting that has been used in the past.

Mayor Doak noted that the LMCD is working with a consultant to rewrite its mission statement and develop a consistent public identity. He said that the LMCD plays an important role needs to develop a brand and a better public image. Mayor Doak said that the LMCD is involved in safety, lake use, number of boat moorings, and other items that are mandated by the State.

Mayor Doak said that people need to understand the importance of the LMCD. He said that the District has two very different functions. It acts as a regulatory body and it is also charged with promoting the beneficial use of the Lake. This dual function can be internally inconsistent at times and is often confusing to the public. Mayor Doak said that the LMCD asked him for his input on the new mission that is being developed. He suggested that one way to get people to support the LMCD is to develop a vision for the future of Lake Minnetonka and then show how the LMCD can facilitate that vision. Mayor Doak felt strongly that the LMCD needed to develop a strong brand and create a consistent image.

Mayor Doak stated concern that if the LMCD does not develop an overarching vision for the Lake, various constituencies will take on that task with subsequent risk to the best interests of the Lake and surrounding communities as a whole.

C. Approval of the Lake Minnetonka Communications Commission Updated Bylaws

Mayor Doak thought that the Commission did a good job in recasting the bylaws.

Council Member Carlson stated that a revision should be made on Page 1, Article V, Section 1. "Meetings of Executive Committee shall be conducted in accordance with the current edition ~~edition~~ of Robert's Rules of Order."

The Council directed staff to forward their comments on to the Lake Minnetonka Communications Commission representatives.

Massie moved, seconded by Newberry to approve the Lake Minnetonka Communications Commission Updated Bylaws. Motion carried 5-0.

7. OLD BUSINESS

- A. Discussion relating to an information request from the Minnehaha Creek Watershed District.

Mayor Doak said that the memorandum that was included in the City Council packet was developed by Council Member Carlson. He thanked Mrs. Carlson for her work.

Council Member Carlson said that most of the items in the memorandum were discussed by the Council at its May meeting. She noted that she added the Shavers Lake restoration project to the list. Council Member Carlson asked the Council if they thought the items should be prioritized.

The Council agreed that the last item should be moved up on the list and the Shavers Lake item should be placed last, but the subject should be in capital letters to draw attention to the item.

In response to a question from Council Member Weiner, Council Member Carlson provided background and history of Shavers Lake.

It was noted that Woodland resident, Peter Davis, worked to gather support from neighbors to clean up the Lake but the task was complex and challenging. Mayor Doak said that the residents need an organization to take the lead to restore the lake, and the MCWD would be the most logical organization to head the project.

Council Member Weiner suggested that language should be added to the Shavers Lake restoration item regarding the pollution prevention after the lake is restored. She suggested, "Create preventative measures to maintain the lake once it is restored." The Council agreed with that suggestion.

Council Member Carlson suggested that the memorandum be forwarded to Peter Davis because of his interest in the Shavers Lake restoration. The Council agreed.

8. MAYOR'S REPORT

Mayor Doak reported on the following items:

Streets

The City Engineer found additional areas that should be repaired while Northwest Asphalt is in the area working on Maplewood Road and Breezy Point Road. He noted that the cost would be approximately \$2,000 to \$3,000 which would save the City money in the long run. Mayor Doak said that he provided authorization to expand the scope of the project.

Ordinance Amendments

Mayor Doak explained that the City's new Zoning Coordinator, Dale Cooney, discovered items in the zoning ordinance that should be fine tuned such as language relating to decks, home occupations, and lot sizes. Mayor Doak said that Council Person Newberry will be coordinating needed revisions for presentation to the Council at a future meeting.

Fire Lanes-Breezy Heights Drive

Mayor Doak explained that residents have been dumping brush on the Breezy Heights Road fire lane for many years and it is the City's responsibility to keep the fire lanes clear of debris.

Mayor Doak explained that the Mr. Felton, who owns the property adjacent to the Breezy Heights Drive fire lane, would like to help the City clean up the fire lane as part of a major landscaping project that he has planned on his property. Mayor Doak said that it is difficult for the City to access the fire lane, given its configuration and access to the lower section of it would be significantly easier via the Felton property. He suggested that City could join with Mr. Felton in the landscaping and take responsibility for the costs associated with the fire lane cleanup. He said that he would keep the Council informed of progress on this item.

Breezy Point Road Property – Dead Tree

Mayor Doak indicated that the City sent a letter to the owner of 18320 Breezy Point Road regarding the removal of a dead tree that is located in the front yard. Staff heard from the property owner that the tree will be removed. Regarding the same property, Mayor Doak stated that there is a fallen cottonwood tree that is located in the Maplewood Road right of way on the west end of the property. This will be removed by the City's tree service.

Stone Arch

Mayor Doak said that he and Council Member Newberry inspected the Stone Arch recently and took photographs of the top of the structure. He said there was concern about the cap on the top of the structure because it appeared that weeds were growing in the corner. He and Council Member Newberry presented the photographs and explained that the cap looked good and the weeds that were growing in accumulated surface dirt. They were easily removed.

Metropolitan Council Population Estimate

The Metropolitan Council has estimated the population of the City to be 478 with 184 households – 2.6 people per household.

Coyotes and Deer

COYOTES

Mayor Doak explained that he has heard positive and negative reactions from residents regarding coyotes in the City. He said that the coyotes seem to control the small animals that damage plants, such as rabbits. Council Member Weiner stated concern that the coyotes seem to have gotten more comfortable around people.

DEER

Mayor Doak said that planning for the deer harvest should begin very early this summer and be coordinated with the City of Deephaven. He said that the City should lay the groundwork with the Department of Natural Resources as soon as possible to ensure that the City obtains a permit that will allow for the harvest before the deer go inland for the winter. Mayor Doak said that representatives from the USDA and residents should also be contacted right away.

Mayor Doak indicated that Council Members Massie and Weiner will team up to work on this project. Council Member Massie said that he would like to meet with the City of Deephaven, the USDA, and the DNR at City Hall to coordinate the project.

9. COUNCIL REPORTS

- A. Carlson –Enterprise Finance and Operations, Intergovernmental Relations, and MCWD

Meeting with the City of Minnetonka

SEWER AND WATER CONNECTION HISTORY

Council Member Carlson said that she met with representatives from the City of Minnetonka to obtain historical information regarding agreement governing the

Woodland sewer and water connections to Minnetonka. She noted that there are a maximum of 52 stubs available and 48 are currently being used. She noted that there were two agreements with the City of Minnetonka – 1995 and 1997. She said the 1995 agreement, covering six residences, required payment of 150% over what was paid by the City of Minnetonka residents. She said that 1997 agreement, covering the entire Woodland sewer and water enterprises, required a payment of 130% over that paid by the Minnetonka residents and superseded the 1995 agreement.

Council Member Carlson said that the Metropolitan Council provides the City of Minnetonka with a number of gallons that it may pump from the aquifer each year. The City cannot exceed that number, even if there is new construction, so the City works to conserve water and allows only odd/even lawn sprinkling in the summer months and other conservation methods. Minnetonka has asked Woodland residents that use lawn sprinklers to observe the watering protocol.

STONE ARCH ROAD POND

Council Member Carlson explained that the pond located on the property at 2800 Stone Arch Road overflows at times on to McKenzie Point Road. The City of Minnetonka has requested that Woodland ask the property owner if he pumps water from Lake Minnetonka into the pond. Council Member Newberry volunteered to ask the property owner this question.

Storm Water Management Plan

Council Member Carlson said that she reviewed the City's Storm Water Management Plan as part of her research for the Minnehaha Creek Watershed District memorandum. She said that she found that the document contains information relating to pervious pavers. The Council asked that Council Member Carlson to ask the Minnehaha Creek Watershed District representatives if the District has guidelines for pervious pavers and report back to the Council at a later date.

Legislation

Council Member Carlson said that she spoke with the City's State representatives and they both understood that the City of Woodland was not in favor of authorization for petitions, calling for referendums on city levy increases. She noted that this issue could be a part of a tax bill, but there is no tax bill on the table at this time.

B. Massie – Road Maintenance, Trees, Deer Management

Council Member Massie stated that there are two real estate signs located on

docks and they are not allowed per City ordinance. The Council directed staff to inform the agents that the signs must be removed.

C. Newberry – Ordinances, Septic Ordinance, and Inspections – No report.

D. Weiner – Public Safety, Police and Fire, General Finance – No report.

10. ACCOUNTS PAYABLE

Newberry moved, seconded by Massie to approve the Accounts Payable as presented.
Motion carried 5-0.

11. TREASURER'S REPORT

Newberry moved, seconded by Massie to approve the Treasurer's Report as presented.
Motion carried 5-0.

12. ADJOURNMENT

The meeting was adjourned by consensus of the Council. The meeting adjourned at 8:34 p.m.

ATTEST:

Kathryne A. McCullum, City Clerk

James S. Doak, Mayor

CITY COUNCIL
CITY OF WOODLAND
MEETING OF JULY 13, 2015

Agenda Item 6. A.

New Business

TO: Honorable Mayor and Members of the City Council

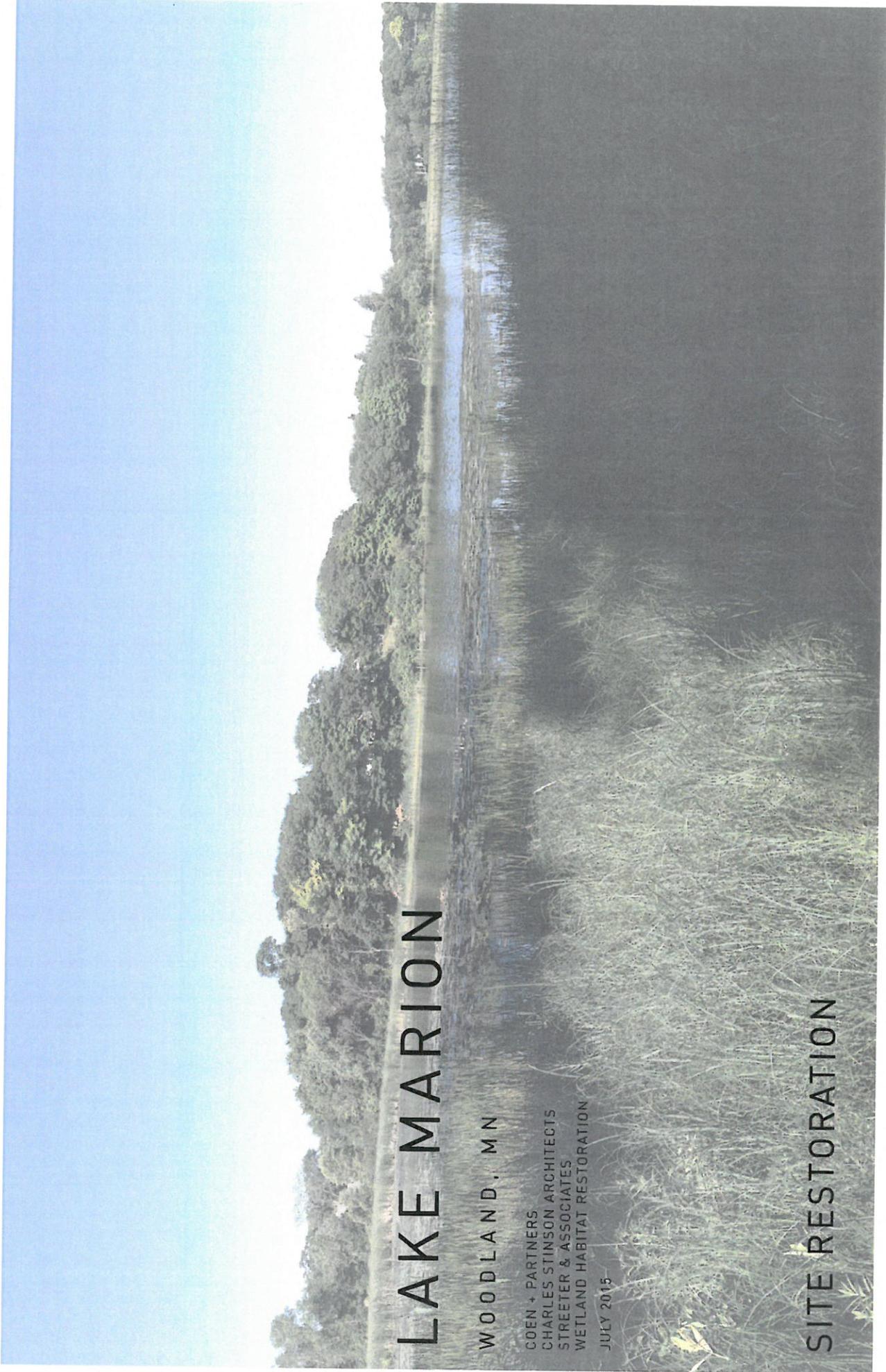
FROM: Kathyne McCullum, City Clerk

SUBJECT: 3100 Maplewood Road Landscape Plan – Coen+Partners will present an updated landscape plan that includes the restoration of the Oak Savannah. (This removal/replacement is different from and supplemental to the removal of trees removed for the sake of construction.)

Jonathan Blaseg, Coen + Partners, will be attending the meeting to give a presentation relating to a revised landscape plan for the Kelly property located at 3100 Maplewood Road.

Recommendation

None. Informational only.



LAKE MARION

WOODLAND, MN

COEN + PARTNERS
CHARLES STINSON ARCHITECTS
STREETER & ASSOCIATES
WETLAND HABITAT RESTORATION

JULY 2015

SITE RESTORATION

ENVIRONMENTAL ANALYSIS (COMPLETED BY WETLAND HABITAT RESTORATION - SEPTEMBER 2014)

PENINSULA (MEDIUM QUALITY)

The overall condition of the herbaceous vegetation on the peninsula is diverse and there exists several indicator species of an oak savanna plant community. There is a consistent presence of species such Little Bluestem, June Grass, Field Goldenrod and Pennsylvania Sedge. The presence of species such as Hog Peanut, Zig Zag Goldenrod, Wild Strawberry, and Round Head Bushclover, and Purple Prairie Clover are prevalent species in Oak Savannas. Understory vegetation can exhibit incredible diversity of flowering forb and fruiting herbaceous vegetation in Savannas. The Lake Marion site is highly variable in its canopy closure of primarily Oak. Other desirable species include Butterfly Weed, Wild Strawberry and Black Eyed Susans.

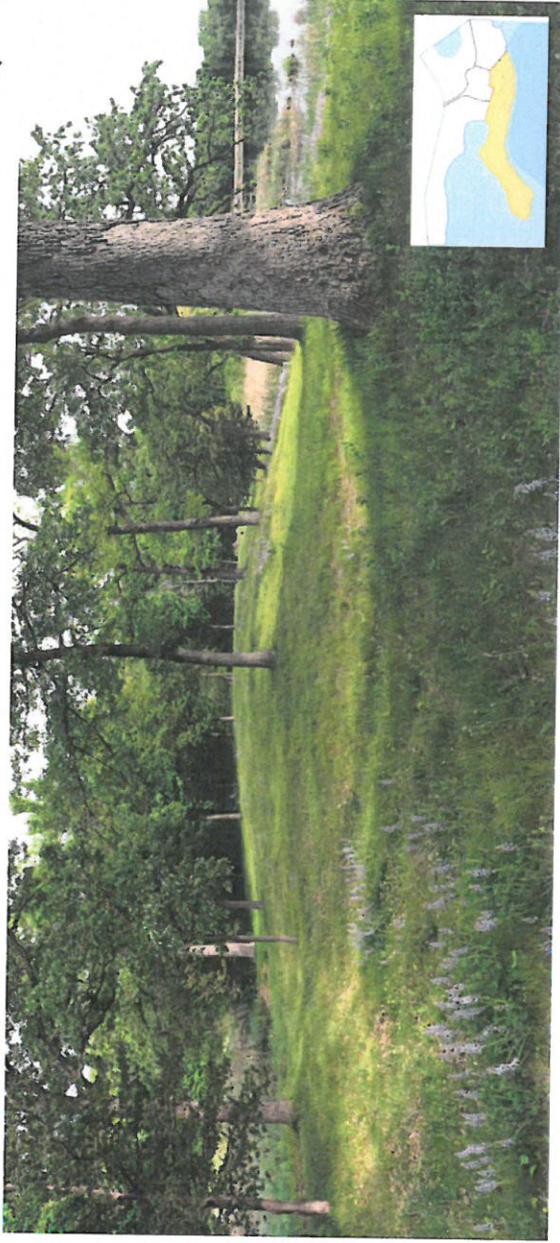
The presence of native grass and showier forb species is intermittent based on where available sunlight is greatest. Sedges and less showy forbs dominate the shadier portions of the understory. WHR would not recommend inter-seeding or removing any of the desirable vegetation that is present. There are a few methodologies that can be initiated to enhance existing species by removing the invading fescue grasses and Red Clover that is more heavily infesting the southern end of the peninsula.

PENINSULA MANAGEMENT GOAL:

Manage herbaceous vegetation to stay short, compact, and showy. Enhance the forb and grass populations and removal of less desirable species.

PENINSULA TIMELINE ACTIONS:

Controlled burn to enhance the prairie vegetation
Removal of all invasive woody vegetation
Regular invasive sweep 2-3 times per year



HIGHLY RECOMMENDED ACTIONS:

Enhance the peninsula by removing invasive threats such as buckthorn and honeysuckle species from the shoreline and treating red clover and fescue grasses in the herbaceous understory. Perform a controlled burn to control Red Fescue and herbicide treatments for Red Clover infestations.

RECOMMENDED ACTION:

Thin canopy of most maple, cedar, and ash species. Leave oak and structurally prune limbs of trees that would stay to improve aesthetics and the overall health of the trees.

HERBACEOUS UNDERSTORY

Common Yarrow (*Achillea millefolium*)
Hog Peanut (*Amphicarpea bracteata*)
Pussytoes (*Antennaria plantaginifolia*)
Butterfly Weed (*Asclepias tuberosa*)
Pennsylvania Sedge (*Carex pennsylvanica*)
Purple Prairie Clover (*Dalea purpurea*)
Flowering Spurge (*Euphorbia corollata*)
Wild Strawberry (*Fragaria virginiana*)
Roundhead Bushclover (*Lespedeza capitata*)
June Grass (*Koeleria macrantha*)
Mountain Mint (*Pycnanthemum virginianum*)
Black Eyed Susan (*Rudbeckia hirta*)
Little Bluestem (*Schizachrium scoparius*)
Zig Zag Goldenrod (*Solidago flexicaulis*)
Field Goldenrod (*Solidago nemoralis*)
Red Clover (*Triflorum*)
Red Fescue (*Festuca rubra*)

ENVIRONMENTAL ANALYSIS

RESTORATION PROCESS (RECOMMENDED)

CONTROLLED BURNING

The peninsula remnant could benefit from controlled burning. Burns do not harm existing vegetation. They return nutrients to the soil and blacken the earth early in the growing season which raises soil temperatures faster than if there were a cover of dead grass or wildflower organic matter. Higher soil temperatures will encourage the growth of native warm season grasses on the peninsula and further help restore the forb diversity of the vegetation composition.

MANAGEMENT OF VEGETATION CONSISTENCY AND DIVERSITY

Increase and enhance the diversity and consistency of short, fine textured, and showy vegetation on the Peninsula and Shoreline. Remove exotics and non-showy species such as Red Clover, Buckthorn, Fescue grasses and Cattails. Herbaceous foliage treatments are conducted in the early spring and summer throughout the growing season. All material is removed from the site after treatments are conducted.

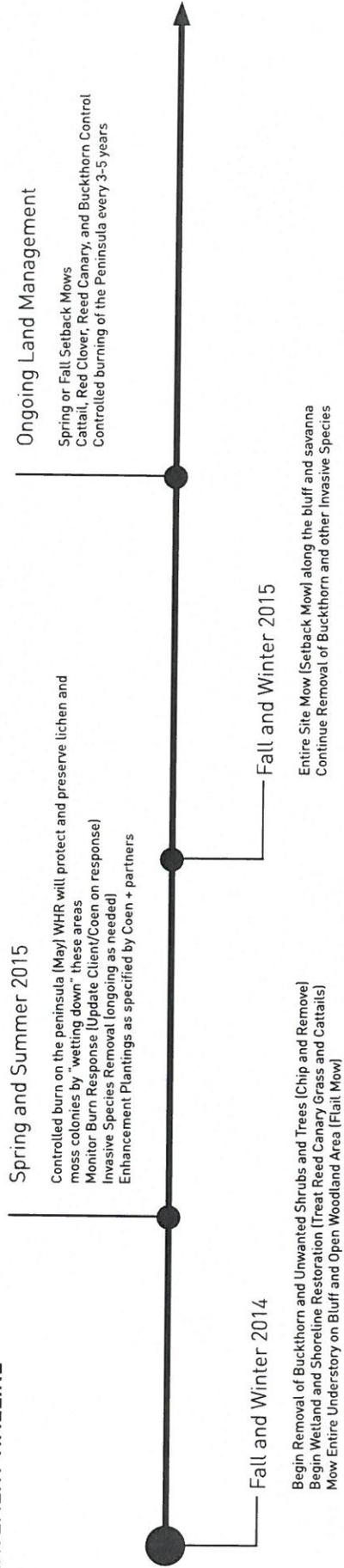
VIEWSHED MANAGEMENT/INVASIVE SPECIES CONTROL:

The primary target species on the site is buckthorn (Rhamnus cathartica and Rhamnus frangula). If not controlled these shrubs will dominate the forest understory over time and block view sheds through the forest and over Lake Marion. Control of these species will be accomplished by cutting and treating of the woody stems at strategic times throughout the growing season. Control timing is conducted in the fall and winter for woody removals.

MANAGEMENT MOWING

Mowing will keep unwanted species from setting seed and encourage low growing perennials such as Penn Sedge and other low growing prairie grasses. A flail mow is used in areas that are wide open and trees are scattered enough to maneuver a lightweight tractor. All sensitive areas or locations that are inaccessible with equipment are manually mowed with weed whips or brush cutters.

MANAGEMENT TIMELINE



SAVANNA RESTORATION

OAK SAVANNA - DESCRIPTION



"THE TERM "OAK SAVANNA LANDSCAPE" REFERS TO A NATURAL AREA OR A COMPLEX OF NATURAL AREAS WITH A WIDE DIVERSITY OF SPECIES. THE DOMINANT TREES OF THE OAK SAVANNA ARE SEVERAL MAJOR SPECIES OF OAKS."

LESS THAN 0.01% OF THE PRE - EUROPEAN OAK SAVANNA REMAINS TODAY, ABOUT 30,000 OF THE ORIGINAL 50,000,000 ACRES.

(OAKSAVANNAS.ORG)

OAK SAVANNA - DESCRIPTION



“ THE OAK SAVANNA ECOSYSTEM LIES ALONG A CONTINUUM BETWEEN THE TALLGRASS PRAIRIE AND THE TRUE WOODLAND ECOSYSTEM.”

“AN OAK SAVANNA IS COMPRISED PRIMARILY OF WIDELY SPACED OAK TREES INCLUDING QUERCUS MACROCARPA, QUERCUS ALBA, QUERCUS RUBRA, WITH MORE THAN ONE MATURE TREE PER ACRE BUT LESS THAN 50 PERCENT TREE CANOPY COVER, AND A GROUND LAYER OF HERBACEOUS PRAIRIE GRASSES AND FORBS.”

(OAK SAVANNA RESTORATION TECHNIQUES, JOHN N. MALONEY)

INDICATIVE SPECIES

TREES:

- RED OAKS (QUERCUS RUBRA)
- WHITE OAKS (QUERCUS ALBA)
- BUR OAKS (QUERCUS MACROCARPA)
- QUAKING ASPEN (POPULUS TREMULOIDES)

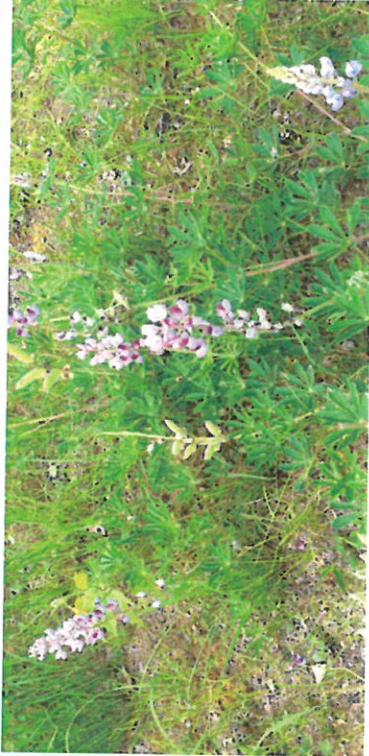
UNDERSTORY PLANTS:

- BIG BLUESTEM (ANDROPOGON GERARDII)
- LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM)
- INDIAN GRASS (SORGHASTRUM NUTANS)
- PURPLE MILKWEED (ASCLEPIAS PURPURASCENS)

FORBS:

- CULVER'S ROOT (VERONICASTRUM VIRGINICUM)
- FALSE INDIGO (BAPTISIA AUSTRALIS)
- GOLDEN ALEXANDER (ZIZIA AUREA)
- BUTTERFLY WEED (ASCLEPIAS TUBEROSA)

OAK SAVANNA - EXISTING SITE VEGETATION



HERBACEOUS UNDERSTORY

Common Yarrow (*Achillea millefolium*)
 Hog Peanut (*Amphicarpea bracteata*)
 Pussytoes (*Antennaria plantaginifolia*)
 Butterfly Weed (*Asclepias tuberosa*)
 Pennsylvania Sedge (*Carex pennsylvanica*)
 Purple Prairie Clover (*Dalea purpurea*)
 Flowering Spurge (*Euphorbia corollata*)
 Wild Strawberry (*Fragaria virginiana*)

Roundhead Bushclover (*Lespedeza capitata*)
 June Grass (*Koeleria macrantha*)
 Mountain Mint (*Pycnanthemum virginianum*)
 Black Eyed Susan (*Rudbeckia hirta*)
 Little Bluestem (*Schizachrium scoparius*)
 Zig Zag Goldenrod (*Solidago flexicaulis*)
 Field Goldenrod (*Solidago nemoralis*)
 Red Clover (*Triflorum*)
 Red Fescue (*Festuca rubra*)

OAK SAVANNA - NECESSARY CONDITIONS



"A SAVANNA OAK GENERALLY DEVELOPS IN AN OPEN AREA WHERE COMPETITION IS REDUCED, WHICH IN THE MIDWEST ARE USUALLY PRAIRIES."

"WHEN A SINGLE TREE GROWS ISOLATED FROM ALL OTHER TREES, IT DOES NOT FACE COMPETITION AND ITS LOWER LIMBS ARE ABLE TO SPREAD OUT AND BECOME LARGE AND SUBSTANTIAL."

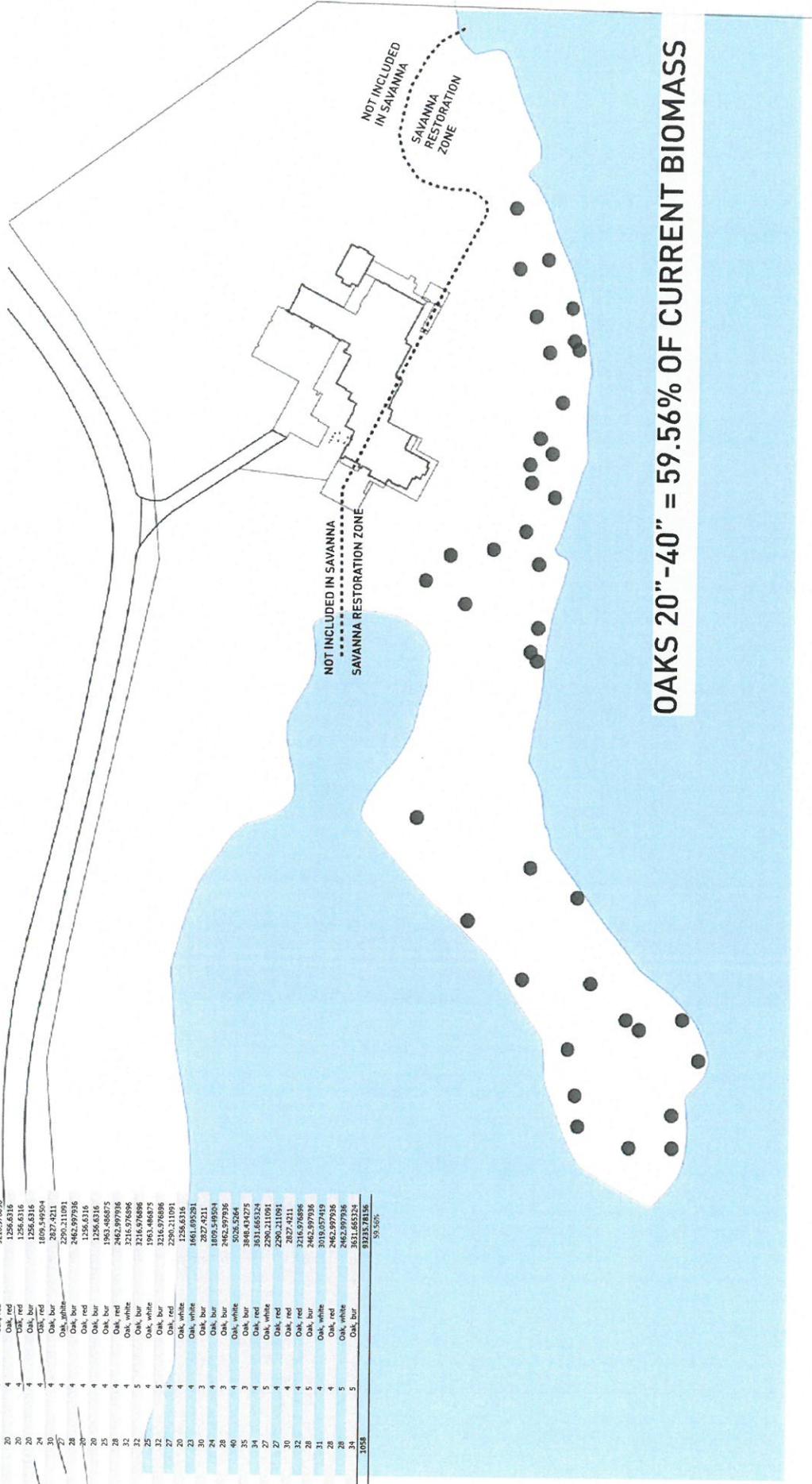
"BECAUSE OF THE OPEN NATURE OF THE SAVANNA, THERE WILL BE MANY AREAS OF SCATTERED LIGHT AND SHADE, WHERE HERBACEOUS PLANTS CAN THRIVE EVEN DURING THE SUMMER."

(OAKSAVANNAS.ORG)

LAKE MARION / DESIGN PRESENTATION

SAVANNA RESTORATION - LARGE OAKS 20"-40" DIAMETER

Size	Condition	Species	Biomass
20	4	Oak, white	1256.6316
25	4	Oak, red	1963.46875
30	4	Oak, red	1256.6316
30	4	Oak, bur	1879.7211
22	2	Oak, red	1525.52326
32	5	Oak, red	3216.976896
20	4	Oak, red	1256.6316
20	4	Oak, red	1256.6316
20	4	Oak, bur	1256.6316
20	4	Oak, red	1809.549504
30	4	Oak, red	3292.974211
27	4	Oak, white	2290.211091
28	4	Oak, bur	2462.997936
20	4	Oak, red	1256.6316
20	4	Oak, bur	1256.6316
25	4	Oak, bur	1963.46875
32	4	Oak, red	2462.997936
32	4	Oak, white	1879.7211
32	5	Oak, bur	3216.976896
25	4	Oak, white	1963.46875
32	5	Oak, bur	3216.976896
27	4	Oak, red	2290.211091
20	4	Oak, white	1256.6316
25	4	Oak, white	1461.892931
30	3	Oak, bur	1809.549504
24	4	Oak, bur	1809.549504
28	3	Oak, bur	2462.997936
40	4	Oak, white	5026.5264
35	3	Oak, bur	3846.434275
35	3	Oak, red	3931.66324
27	4	Oak, white	2290.211091
27	4	Oak, red	2290.211091
30	4	Oak, red	2827.4311
32	4	Oak, red	3216.976896
28	5	Oak, bur	2462.997936
31	4	Oak, white	3019.057919
28	5	Oak, red	2462.997936
28	5	Oak, white	2462.997936
34	5	Oak, bur	5631.66515
1058			83216.78116
			59.56%



SAVANNA RESTORATION - ALL OAKS

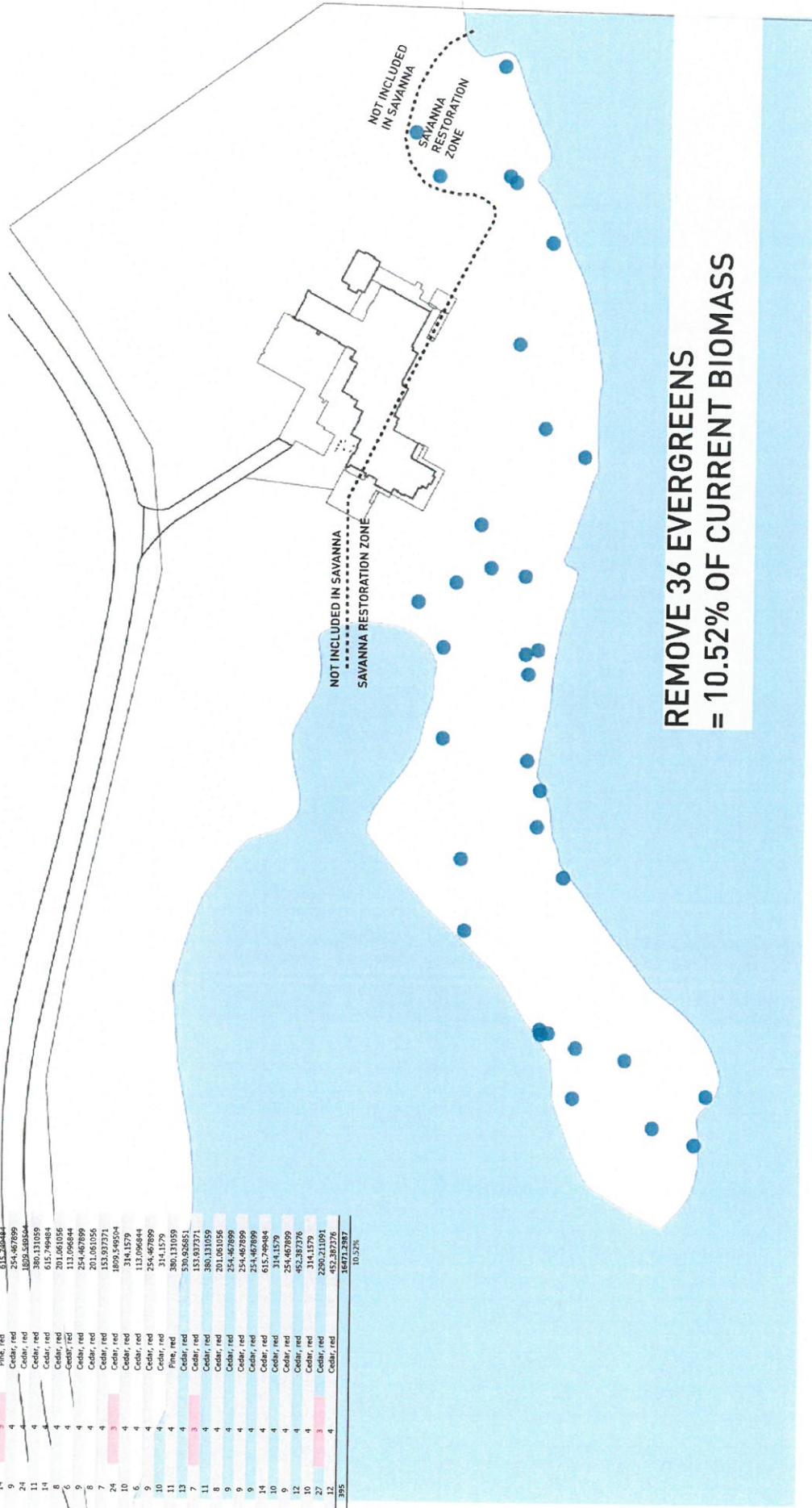
Size	Condition	Species	Biomass	Size	Condition	Species	Biomass
20	4	Oak, white	1256.6316	7	4	Oak, bur	153.937371
25	4	Oak, red	1963.466875	9	3	Oak, white	254.467899
30	4	Oak, red	1256.6316	8	4	Oak, bur	201.061056
32	2	Oak, red	1529.522126	8	3	Oak, white	201.061056
32	5	Oak, red	3216.976896	9	4	Oak, bur	254.467899
20	4	Oak, red	1256.6316	9	4	Oak, bur	254.467899
20	4	Oak, red	1256.6316	7	4	Oak, bur	153.937371
20	4	Oak, red	1099.949594	65			1674.461667
20	4	Oak, red	2982.211091				1.07%
20	4	Oak, white	2462.997936				
20	4	Oak, red	1256.6316				
20	4	Oak, bur	1256.6316				
25	4	Oak, bur	1963.466875				
32	4	Oak, red	2462.997936				
32	5	Oak, bur	3216.976896				
25	4	Oak, white	1963.466875				
32	5	Oak, bur	3216.976896				
27	4	Oak, red	2290.211091				
20	4	Oak, white	1256.6316				
20	4	Oak, white	1961.899291				
20	4	Oak, bur	1899.546524				
24	4	Oak, bur	2462.997936				
28	3	Oak, bur	5026.5264				
40	4	Oak, white	3848.434275				
35	3	Oak, bur	3531.665324				
14	4	Oak, red	2290.211091				
27	4	Oak, white	2827.4211				
30	4	Oak, red	3216.976896				
32	4	Oak, red	2462.997936				
28	5	Oak, bur	3019.057419				
31	4	Oak, white	2462.997936				
28	5	Oak, red	2462.997936				
34	5	Oak, bur	5026.5264				
1058			93235.78158				
			59.56%				
14	5	Oak, white	615.799484				
16	3	Oak, white	891.244224				
17	4	Oak, white	907.916331				
15	4	Oak, white	798.855275				
18	3	Oak, bur	1017.871996				
14	3	Oak, bur	452.897376				
16	3	Oak, white	694.244224				
14	4	Oak, red	615.799484				
12	3	Oak, red	452.897376				
10	3	Oak, bur	314.1579				
14	4	Oak, white	615.799484				
14	4	Oak, white	1017.871996				
14	4	Oak, white	1017.871996				
18	4	Oak, red	1017.871996				
15	4	Oak, bur	1134.110019				
15	4	Oak, red	798.855275				
16	4	Oak, red	894.244224				
12	3	Oak, white	452.897376				
10	3	Oak, white	1017.871996				
18	3	Oak, white	530.926851				
13	4	Oak, white	997.916331				
15	4	Oak, white	798.855275				
13	3	Oak, bur	530.926851				
15	5	Oak, white	1134.110019				
15	4	Oak, white	530.926851				
13	4	Oak, white	530.926851				
10	4	Oak, bur	314.1579				
14	4	Oak, white	615.799484				
16	4	Oak, white	894.244224				
465			2480.56406				
			14.37%				



OAKS 20"-40" = 59.56% OF CURRENT BIOMASS
OAKS 10"-19" = 14.37% OF CURRENT BIOMASS
OAKS 0"-9" = 1.07% OF CURRENT BIOMASS
TOTAL% = 75.00% OF CURRENT BIOMASS

SAVANNA RESTORATION - EVERGREENS

Size	Condition	Species	Biomass
14	4	Cedar, red	615.749484
10	4	Cedar, red	314.1579
12	4	Cedar, red	452.387278
8	4	Cedar, red	201.051056
11	4	Cedar, red	380.131059
14	4	Cedar, red	513.288484
10	4	Cedar, red	1809.580604
24	4	Cedar, red	380.131059
11	4	Cedar, red	615.749484
14	4	Cedar, red	201.051056
6	4	Cedar, red	113.096844
8	4	Cedar, red	254.467899
6	4	Cedar, red	201.051056
8	4	Cedar, red	1809.580604
7	4	Cedar, red	1809.580604
24	3	Cedar, red	314.1579
10	4	Cedar, red	113.096844
6	4	Cedar, red	254.467899
9	4	Cedar, red	314.1579
10	4	Cedar, red	380.131059
11	4	Pine, red	539.926851
12	4	Cedar, red	153.927371
11	4	Cedar, red	380.131059
11	4	Cedar, red	380.131059
9	4	Cedar, red	254.467899
9	4	Cedar, red	254.467899
14	4	Cedar, red	615.749484
10	4	Cedar, red	314.1579
9	4	Cedar, red	254.467899
10	4	Cedar, red	452.387278
10	4	Cedar, red	314.1579
27	3	Cedar, red	252.302776
12	4	Cedar, red	1677.2887
395			10.52%



**REMOVE 36 EVERGREENS
= 10.52% OF CURRENT BIOMASS**

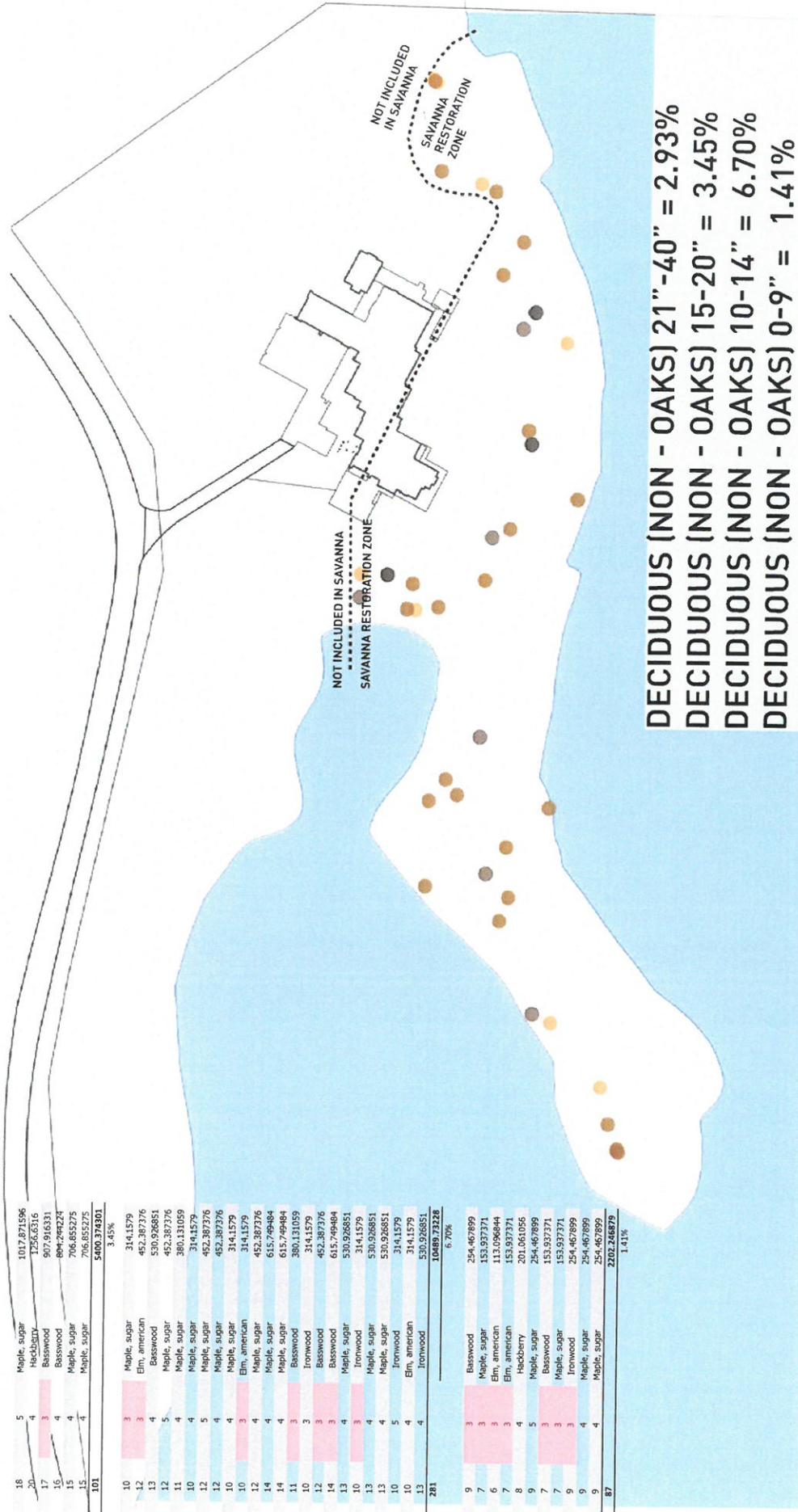
SAVANNA RESTORATION - DECIDUOUS

Size	Condition	Species	Biomass
28	3	Maple, sugar	2462.997936
26	3	Maple, sugar	2123.707404
54	3	Maple, sugar	4586.70534
			2.93%

16	5	Maple, sugar	1017.871596
20	4	Hickory	1256.6316
17	3	Basswood	907.916331
15	4	Basswood	694.244224
15	4	Maple, sugar	706.852275
13	4	Maple, sugar	706.852275
101			5400.374301
			3.45%

10	3	Maple, sugar	314.1579
12	3	Elm, american	452.387376
13	4	Basswood	530.926851
12	5	Maple, sugar	452.387376
11	4	Maple, sugar	380.131059
10	4	Maple, sugar	314.1579
12	5	Maple, sugar	452.387376
12	4	Maple, sugar	452.387376
10	3	Elm, american	314.1579
12	4	Maple, sugar	452.387376
14	4	Maple, sugar	615.749484
14	4	Maple, sugar	615.749484
11	3	Basswood	380.131059
10	3	Ironwood	314.1579
12	3	Basswood	452.387376
14	3	Maple, sugar	615.749484
13	4	Maple, sugar	530.926851
10	3	Ironwood	314.1579
13	4	Maple, sugar	530.926851
13	4	Maple, sugar	530.926851
10	4	Elm, american	314.1579
13	4	Ironwood	530.926851
281			10489.73228
			6.70%

9	3	Basswood	254.467899
7	3	Maple, sugar	153.937371
6	3	Elm, american	113.096444
7	3	Elm, american	153.937371
8	4	Hickory	201.061056
9	5	Maple, sugar	254.467899
7	3	Basswood	153.937371
7	3	Maple, sugar	153.937371
9	3	Ironwood	254.467899
9	4	Maple, sugar	254.467899
87			2202.248279
			1.41%

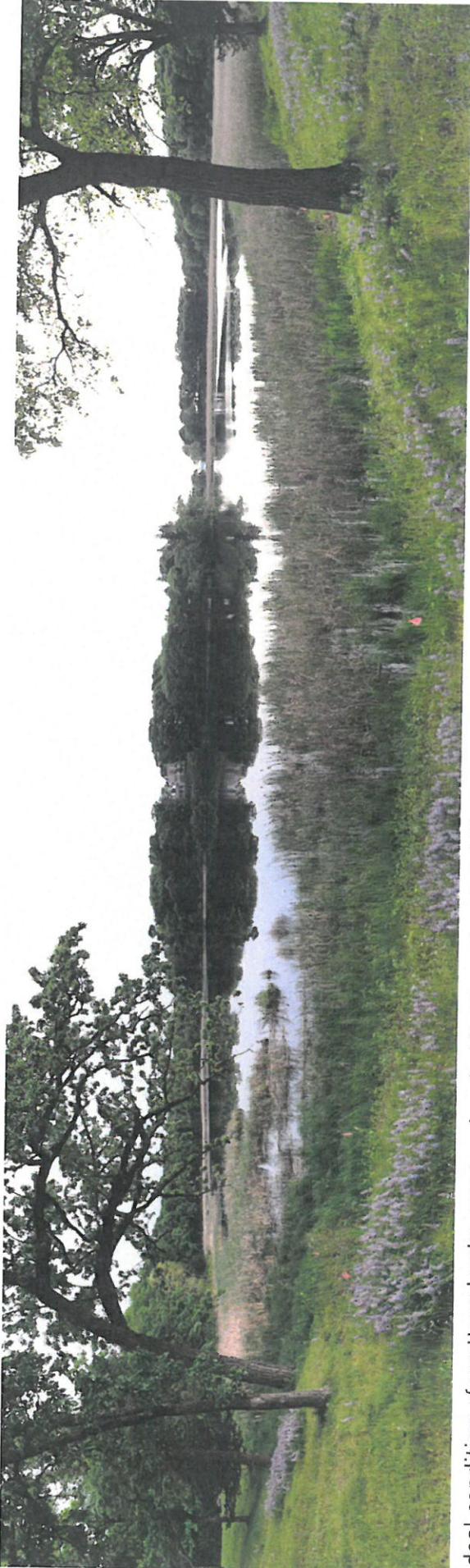


DECIDUOUS (NON - OAKS) 21"-40" = 2.93%
 DECIDUOUS (NON - OAKS) 15-20" = 3.45%
 DECIDUOUS (NON - OAKS) 10-14" = 6.70%
 DECIDUOUS (NON - OAKS) 0-9" = 1.41%
 REMOVE 45 TOTAL = 14.49% OF CURRENT BIOMASS

SAVANNA RESTORATION - NEW TREES

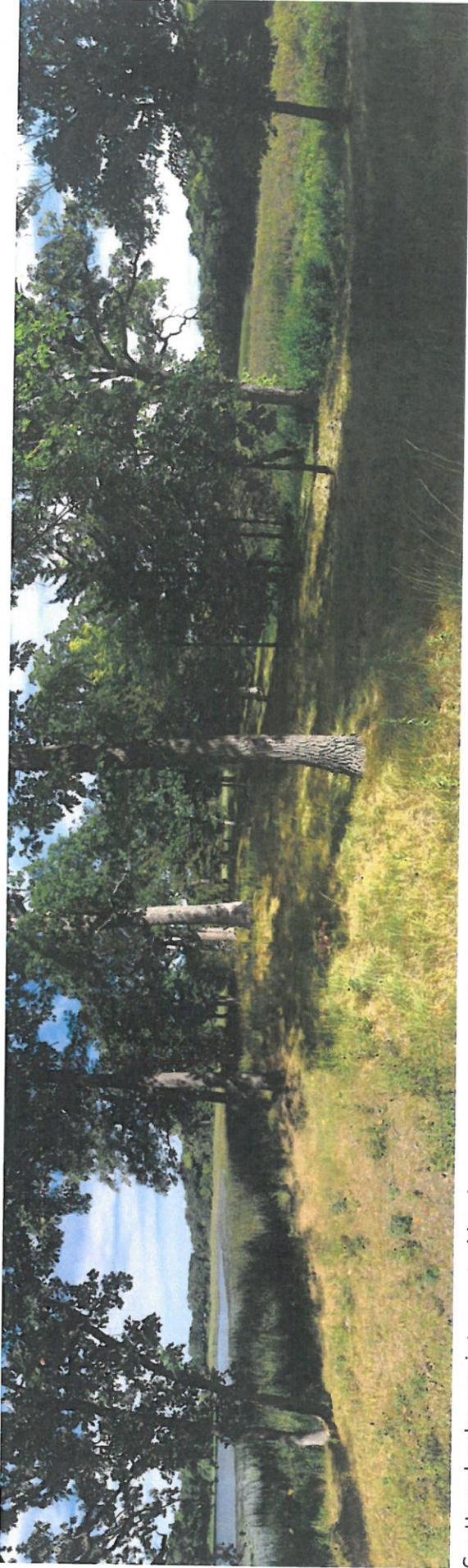


SAVANNA VIEWS



Ideal condition of scattered oaks creates dappled light, perfect for drifts of lupine flowers

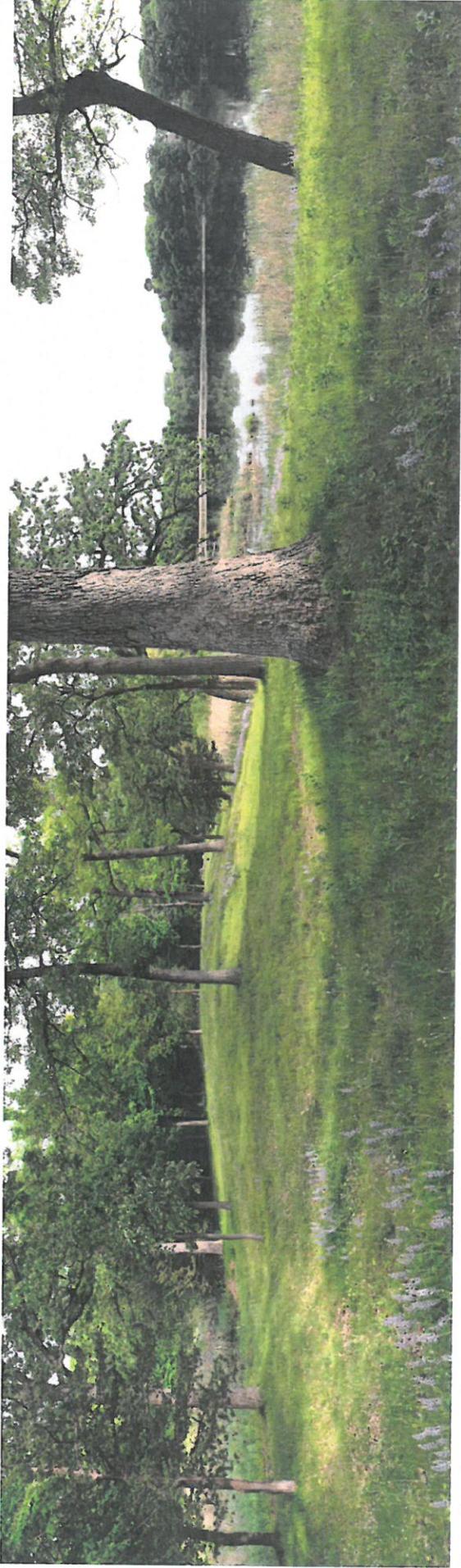
SAVANNA VIEWS



Scattered oaks are interrupted by denser maples and juniper stands (to the right).

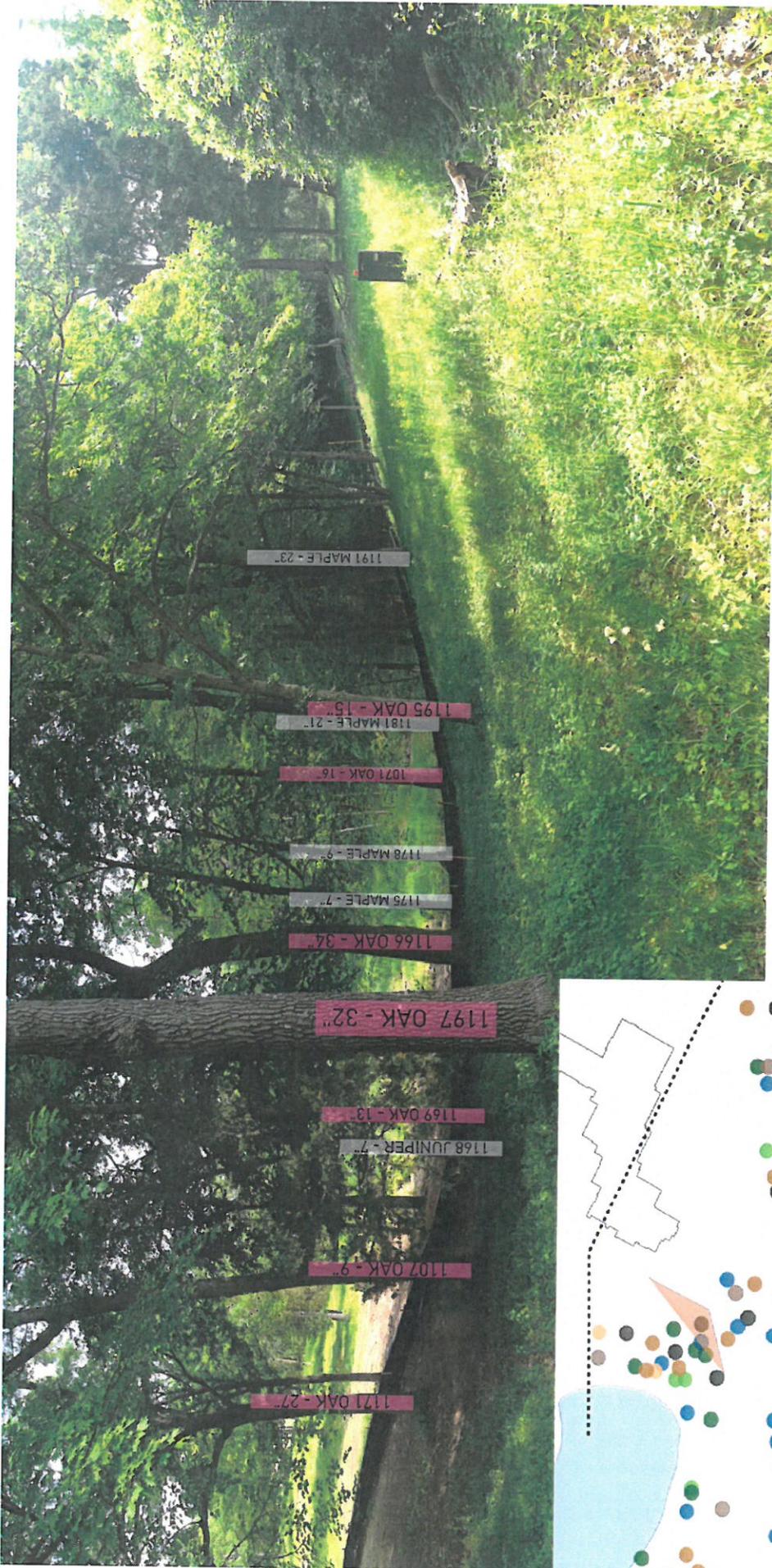


A majestic stand of oaks is interrupted by scrubby junipers.



A majestic stand of oaks is interrupted by scrubby junipers.

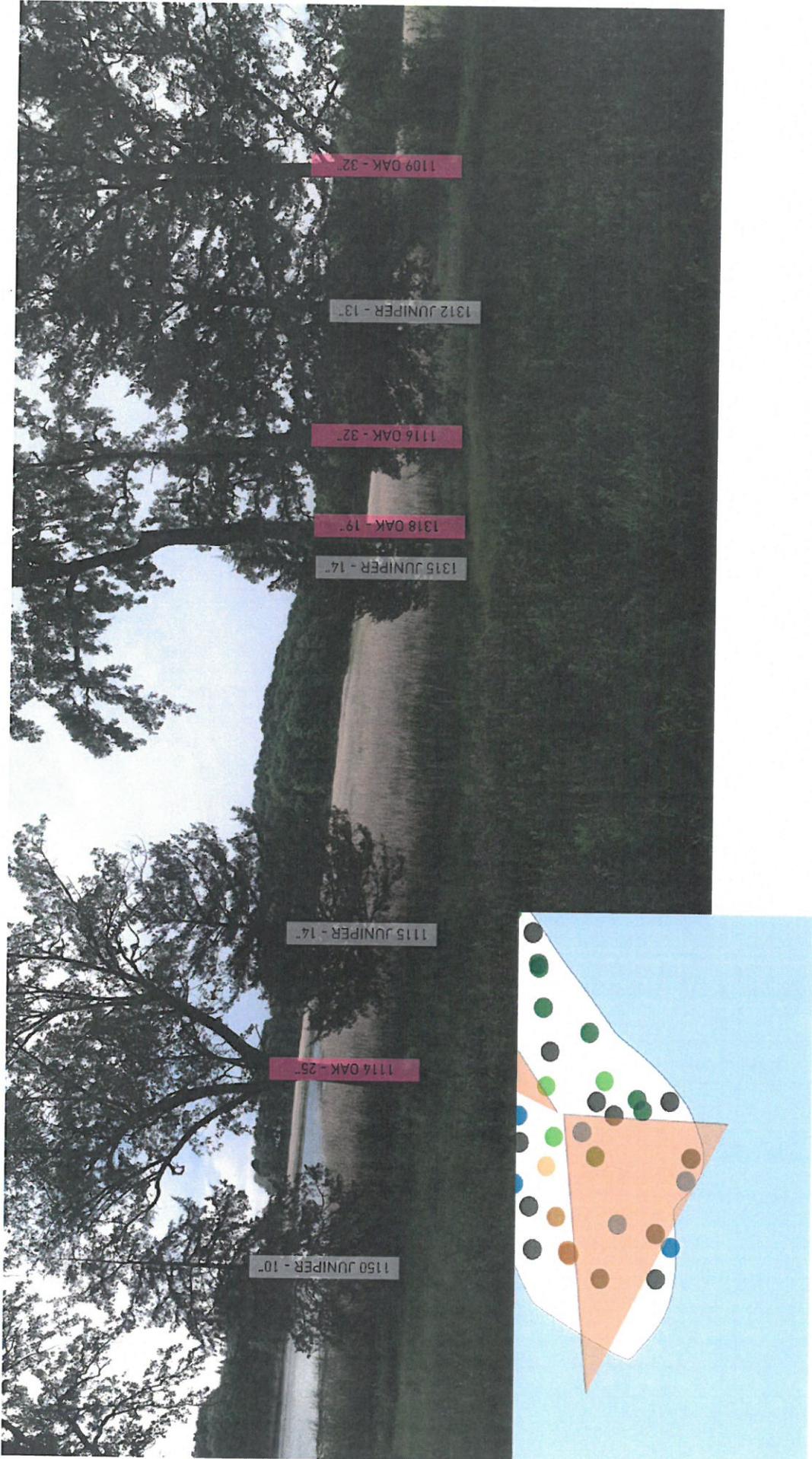
PROBLEM VIEW 1: LOOKING NORTHEAST OUT TO INLET

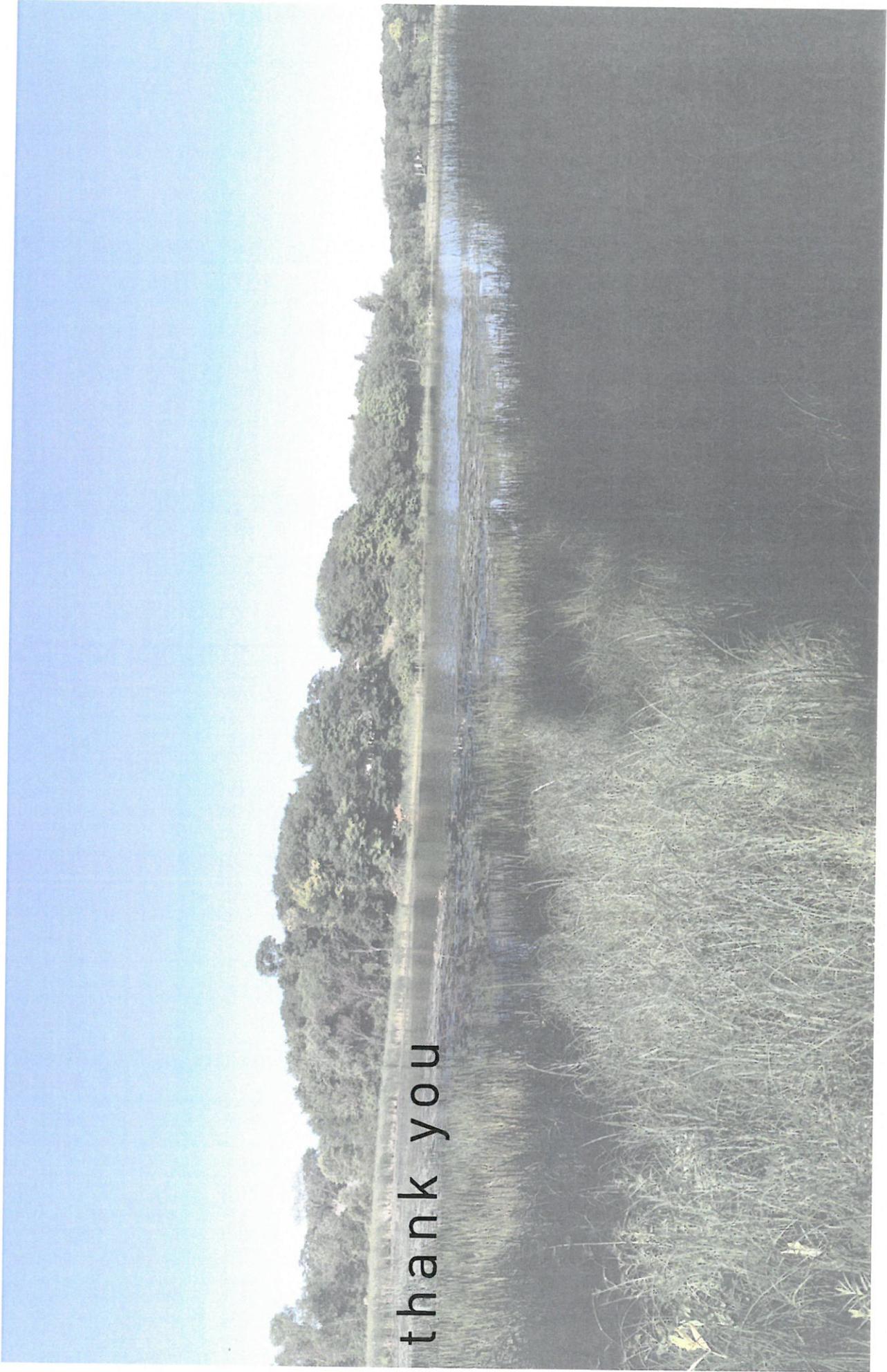


PROBLEM VIEW 2: LOOKING NORTHEAST ON OUTLOOK POINT



PROBLEM VIEW 3: LOOKING NORTH ON FARTHEST OUTLOOK POINT





thank you

CITY COUNCIL
CITY OF WOODLAND
MEETING OF JULY 13, 2015

Agenda Item 6. B.

New Business

TO: Honorable Mayor and Members of the City Council
FROM: Kathrynne McCullum, City Clerk
SUBJECT: Report from Kurt Larson regarding the City's odd-year septic inspections.

Background

Woodland's septic inspector, Kurt Larsen conducts a visual inspection of about half of the septic systems in the City each year. A notice was mailed to residents in mid-June regarding the reviews. Kurt makes every effort to meet with homeowners during the review period. During the inspection, Kurt opens tank covers, when possible, to measures sludge levels, examines baffles, filters, and the overall tank condition. He also examines the drain field.

The annual review process educates residents on their septic systems and keeps the City informed with regard to situations that may need the homeowner's attention.

Kurt will be at the meeting to answer any questions and to provide a brief update on the inspections that he has completed to-date.

Recommendation

None. Informational only.

CITY COUNCIL
CITY OF WOODLAND
MEETING OF JULY 13, 2015

Agenda Item 6. C.

New Business

TO: Honorable Mayor and Members of the City Council
FROM: Kathryn McCullum, City Clerk
SUBJECT: Consideration of quotes for jet cleaning and televising of the City's sewer lines

Background

As Council members are aware, the sewer and water systems were installed in 1997 via connection to the City of Minnetonka service lines. Woodland's agreement with Minnetonka dictates maintenance requirements for the municipal system including jet cleaning sewer lines every three years.

The intent of sewer line cleaning is to remove foreign materials from the lines and restore the sewer to a minimum of 95% of the original carrying capacity. High-velocity jet equipment is used which is capable of removing dirt, grease, rocks, sand, and other materials and obstructions from the sewer lines and manholes. Televising provides a visual of the line to enable the City Engineer to find any tree root intrusions or other obstacles that may need to be repaired or removed.

Quotes

The City Engineer sought quotes for jet cleaning services. The quotes are as follows:

Pipe Services	\$5,840.40
Hydro Klean	\$7,984.20

The City Engineer has recommended that the Council accept the low bid from Pipe Services in the amount of \$5,840.40

The City's 2015 Sewer Enterprise Fund includes \$5,000 for the sewer jetting.

Recommendation

By motion, accept the low bid from Pipe Services in the amount of \$5,840.40 for jet cleaning and televising services.



BOLTON & MENK, INC.

Consulting Engineers & Surveyors

2638 Shadow Lane, Suite 200 • Chaska, MN 55318-1172

Phone (952) 448-8838 • Fax (952) 448-8805

www.bolton-menk.com

June 29, 2015

City of Woodland
Attn: Kathy McCullum
20225 Cottagewood Road
Deephaven, MN 55331

Re: Sewer Cleaning and Televising Quotes

Honorable Mayor and City Council:

As requested, quotes for the 2015 Sewer Cleaning and Televising Project have been solicited. The following two quotes were received:

	<u>Total Bid</u>
Pipe Services	\$5,840.40
Hydro Klean	\$7,984.20

Based on our review of the quotes, we recommend awarding the project to Pipe Services in the amount of \$5,840.40.

Please let me know if you have questions or need additional information.

Sincerely,
BOLTON & MENK, INC.

David P. Martini, P.E.
Principal Engineer

CITY COUNCIL
CITY OF WOODLAND
MEETING OF JULY 13, 2015

Agenda Item 6. D.

New Business

TO: Honorable Mayor and Members of the City Council
FROM: Kathrynne McCullum, City Clerk
SUBJECT: Request for Payment (No. 1) from Northwest Asphalt for work completed on the 2015 Street Improvements Project through June 29, 2015.

Background

On December 8, 2014, the City Council authorized the City Engineer to develop plans and specifications and advertise the street improvement project for competitive bids.

Bids were received on Thursday, April 30, 2015 and the low bid was received from Northwest Asphalt, in the amount of \$72,508.05.

The City of Woodland entered into an agreement with Northwest Asphalt as contractor for the 2015 Street Improvement Project. The agreement was approved by the City Council on May 11, 2015.

Contractor's Pay Request No. 1

The total amount requested for the completed work to date is \$75,243.43. This amount includes the additional spot repairs that were needed on Maplewood Road that were approved by the City Council at its May, 2015 meeting. The original contract amount was \$72,508.05.

At this time, the City Engineer has recommended approval of the request for Payment No. 1 for partial payment in the amount of \$71,481.26. The total amount due of \$75,243.43 has been reduced by \$3,762.17 (or 5%) and this will be retained to cover any issues that may arise.

Comment/Additional Information

After completion of the Breezy Point Road/Maplewood Road project, it was found that re-striping along Maplewood Road was needed. Staff contacted the City Engineer who initially stated that the cost for re-striping the road would be \$1,000 plus a mobilization fee of \$1,200. The City Engineer double-checked with representatives from Northwest Asphalt who indicated that they could re-stripe the road the following day at a cost of \$1,000. Because of this substantial cost savings, Mayor Doak authorized the expenditure and the re-striping was completed last week.

Recommendation

By motion, authorize Pay Request No. 1 from Northwest Asphalt for work completed on the 2015 Street Improvement Project.



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Consulting Engineers & Surveyors

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Phone (952) 448-8838 • Fax (952) 448-8805
www.bolton-menk.com

June 29, 2015

City of Woodland
Attn: Kathy McCullum
20225 Cottagewood Road
Deephaven, MN

RE: 2015 Street Improvements
City of Woodland, MN

Dear Kathy:

Enclosed is Pay Request No. 1 from Northwest Asphalt for work completed on the 2015 Street Improvements Project through June 29, 2015. We have reviewed the estimate, verified the quantities, and recommend payment in the amount of \$71,481.26, which includes additional spot repairs that were needed on Maplewood Road.

Please contact me if you have any questions or need additional information.

Sincerely,
BOLTON & MENK, INC.

David P. Martini, P.E.
Principal Engineer

CONTRACTOR'S PAY REQUEST NO. 1
2015 STREET IMPROVEMENTS
CITY OF WOODLAND
BMI PROJECT NO. C13.109528

CONTRACTOR
OWNER
ENGINEER

TOTAL ORIGINAL CONTRACT AMOUNT.....	\$72,508.05
TOTAL, COMPLETED WORK TO DATE.....	\$ 75,243.43
TOTAL, STORED MATERIALS TO DATE.....	\$ -
DEDUCTION FOR STORED MATERIALS USED IN WORK COMPLETED.....	\$ -
TOTAL, COMPLETED WORK & STORED MATERIALS.....	\$ 75,243.43
RETAINED PERCENTAGE (5%)	\$ 3,762.17
TOTAL AMOUNT OF OTHER DEDUCTIONS.....	\$ -
NET AMOUNT DUE TO CONTRACTOR TO DATE.....	\$ 71,481.26
TOTAL AMOUNT PAID ON PREVIOUS ESTIMATES	\$ -
PAY CONTRACTOR AS ESTIMATE NO. 1	\$ 71,481.26

Certificate for Partial Payment

I hereby certify that, to the best of my knowledge and belief, all items quantities and prices of work and material shown on this Estimate are correct and that all work has been performed in full accordance with the terms and conditions of the Contract for this project between the Owner and the undersigned Contractor, and as amended by any authorized changes, and that the foregoing is a true and correct statement of the contract amount for the period covered by this Estimate.

Contractor: NORTHWEST ASPHALT
1451 STAGECOACH ROAD
SHAKOPEE, MN 55379

By _____
Name Title

Date _____

CHECKED AND APPROVED AS TO QUANTITIES AND AMOUNT:
BOLTON & MENK, INC., ENGINEERS, 2638 SHADOW LN, SUITE 200, CHASKA MN 55318

By David P. Martini _____, CITY ENGINEER
DAVID MARTINI, P.E.

Date 6/29/15

APPROVED FOR PAYMENT:
Owner: CITY OF WOODLAND

By _____
Name Title Date