

**City of Lino Lakes  
Environmental Board Meeting**

**January 25, 2017  
6:30 p.m.**

**AGENDA**

1. Call to Order
2. Approval of Agenda
3. Approval of Minutes
4. Open Mike
5. Action Items
  - A. Erickson Estates, 63 White Pine Road, Preliminary Plat.
6. Discussion Items
  - A. Goals/2017 Revision.2 Review.
  - B. Recycling Updates, Nan Jia
  - C. Community Gardens
7. Adjourn

**CITY OF LINO LAKES  
ENVIRONMENTAL BOARD MINUTES**

<b>DATE</b>	<b>: December 21, 2016</b>
<b>TIME STARTED</b>	<b>: 6:20 P.M.</b>
<b>TIME ENDED</b>	<b>: 7:15 P.M.</b>
<b>MEMBERS PRESENT</b>	<b>: Steve Heiskary, Paula Andrzejewski, Nancie Klebba, John Sullivan</b>
<b>MEMBERS ABSENT</b>	<b>: Liz Kaufenberg, Alex Schwartz</b>
<b>STAFF PRESENT</b>	<b>: Marty Asleson, Nan Jin</b>

**6:00 P. M. Presentation of the Recycling Art Contest Winners**

**1. CALL TO ORDER:**

Mr. Heiskary called the Lino Lakes Environmental Board meeting to order at 6:20 p.m. on December 21, 2016.

**2. APPROVAL OF AGENDA:**

Ms. Andrzejewski made a MOTION to approve the Agenda. Motion was seconded by Mr. Sullivan. Motion carried 4- 0.

ADDED: Mr. Sullivan asked if the below items could be added:

- D. Earth Day Planning
- E. Green Events

**3. APPROVAL OF MINUTES**

November 30, 2016

Mr. Sullivan made a MOTION to approve the November 30, 2016 Meeting Minutes. Motion was seconded by Ms. Klebba. Motion carried 4-0.

**4. OPEN MIKE**

Declared Open Mike at 6:22 p.m.

Closed Open Mike at 6:23 p.m.

## 5. ACTION ITEMS

No Action

## 6. DISCUSSION ITEMS

### A. Goals/2017 Revision Review

2016 Environmental Board Goals were discussed at the November 30, 2016 meeting. The Following statements have included the suggestions proposed at the meeting:

1. Promote Environmental Stewardship with the citizens of Lino Lakes, and conservation opportunities by communicating environmental initiatives in the city using various means of communication such as:
  - Mailings
  - Multi-media including social media such as **Facebook and possibly Twitter and double the followers on Facebook.**
  - School “enviro- shows”, promotion in schools.
  - Partnerships with our two watershed districts.
  - **Newspaper - board needs to make connection to the press, Environmental Board article and Organics recycling news**
2. Promote Lino Lakes Environmental Issues to the Public by:
  - Participate in Earth Day (2017) **to promote Environmental issues to the public**
  - **Participate in the Earth Day committee**
  - Participate in Blue Heron Days (2017) **to promote Environmental issues to the public**
  - Partner with Anoka County Recycling Resource Solutions.
    1. Utilize County Select Committee on Recycling (SCORE) and Local Recycling Development Grant (LRDG) Funds to the maximum extent possible to increase our recycling totals.
    2. Work with local participating businesses on mandated business recycling and promote **organic recycling** through Anoka County and “Waste-Wise” staff.
    3. **Continue to partner** with our neighborhood groups to educate and start pilot projects to recycle organics.
    4. Increase our volunteer base in recycling
    5. Increase services available to residents at the monthly Recycling Day event including additional paper shredding, events, hard drive destruction and the “Bridging Program” and or other charity organizations.
    6. To meet or exceed our City recycling goal of 50 (1836 tons) percent or greater of our municipal solid waste.

7. Find innovative ways to promote and encourage recycling as a city.
  8. Continue to look into ways for school facilities to reduce waste and increase recycling, and continue to enhance recycling efforts through grants from Anoka County Integrated Waste. **And connect with the Environmental group at the high school.**
  9. **Continue to promote recycling and investigate methods to make organic recycling all-inclusive to residents**
3. Cooperate with Rice Creek Watershed District and Vadnais Lakes Area Water Management Organization, and city staff to promote development that renews, preserves, and restores surface water, lakes, stream and wetlands through project review processes and public education.
  4. Monitor any activity in the AUAR as well as other proposed development areas, focusing on the values that citizens of Lino Lakes have expressed in the 20/30 vision for our city and the unique ecological aspects of our wetlands, lakes and streams and subsurface waters, vegetation and wildlife populations.
  5. Perform evaluation of past Environmental Board recommendations for development projects. Review a sampling of a variety of projects by on-site visits, discussion with city staff, and landowners, neighbors, on the outcomes of the board's recommendations. If necessary, submit a summary of significant findings resulting from the review in writing to the Community Development Director.
  6. Support Conservation Development within the city through site review processes by incorporating The Resources Management System Plan components of the City Comprehensive Plan. The use of the planning documents within the Comprehensive Plan that enable Conservation Development include:
    - The Lino Lakes Handbook For Environmental Planning and Conservation Development,
    - The Minnesota Land Cover Classification System and Natural Resource Inventory for Lino Lakes
    - The Minnesota County Biologic Survey
    - The Lino Lakes Assessment of Existing Ecological Conditions and Management Opportunities
    - The Lino Lakes Handbook For Environmental Planning and Conservation Development
    - The Minnesota DNR Regionally Significant Ecological Areas Assessment, Rare Wildlife and Plant Models built by the City
    - The Lino Lakes Parks, Natural Open Space/Greenways, and Trails System Plan,
    - The I-35E Corridor Alternative Urban Area-wide Review (AUAR) assessment
    - The Rice Creek Watershed District/Lino Lakes Resources Management Plan

- The Assessment of Development, Suitability and Natural Resources Conservation Opportunities study,
  - The City of Lino Lakes Local Surface Water Management Plan
7. Support the Community Garden site and continue the partnership with Park Department to manage the Community Garden site, **adapt gardens to site land sale.**
  8. Do an annual review/update in regards to the Lino Lakes EAB Implementation Plan. Offer residents opportunities for tree purchasing. **Obtain Forestry interns and train them in Ash Tree Treatment and start treating a third of our City boulevard trees.**
  9. Continue to work on Wollan's Park Wetland bank to achieve wetland bank credits by the end of the year 2019 and investigate new banking opportunities. **Help to establish and support a city wide process to fund wetland banking.**
  10. Continue to monitor the Heron rookery and water quality in the northern one third of Peltier Lake and to support the protection of resources in that area. Update Council on these matters. Recruit new volunteers to help with rookery maintenance and monitoring.
  11. **Support Stormwater efforts of our Engineering Department in Community Development to develop a NPDES next phase inventory of our ponds and support adequate funding for needed maintenance efforts and in emergency situations and regular maintenance of drainage areas.**
  12. **Support the maintenance of established conservation easement areas where funding is available.**

#### **B. Recycling Updates – Nan Jia**

Ms. Jia mentioned that in December there will be Christmas tree recycling at Sunrise and Country Lakes Park. There will also be Christmas lights recycling at Ace Hardware and at the Saturday recycling in January.

Ms. Jia is working on the SCORE reports and will have some updates next month.

#### **C. Wollan's Park Wetland Bank Update**

Mr. Asleson was grateful for the equipment use in Wollan's Park and getting the project done. Thanks to the Public Works Department for their help.

#### **D. Earth Day Planning**

Mr. Sullivan called Wargo to get involved in Earth Day. He wants to help with discussions on the theme of the day, contact groups and he would like to start to plan in March.

There was discussion on doing more education to the public about trash, organics, and composting.

Mr. Heiskary would like to see more projects and displays to create more interest.

Ms. Andrzejewski thought that maybe a relay race with pictures of trash, organics and recycling would be fun.

#### **E. Green Events Workshop**

Mr. Sullivan went to a Green Events workshop in Hennepin County where the best of recycling efforts were given credit.

Among many of the events which were of interest was how to stage recycling places at city events.

### **7. ADJOURNMENT**

Mr. Sullivan made a MOTION to adjourn the meeting at 7:15pm. Motion was supported by Ms. Andrzejewski. Motion carried 4 - 0.

Respectfully submitted,  
Mary Fogarty  
Office Tech 1

**ENVIRONMENTAL BOARD  
AGENDA ITEM 5A**

**STAFF ORIGINATOR:** Marty Asleson, Environmental Coordinator

**MEETING DATE:** January 25, 2017

**REQUEST:** Environmental Review for Preliminary Plat, Rezoning and Comprehensive Plan Amendment for Erickson Estates.

**APPLICANT:** Joan and Dave Erickson  
63 White Pine Road  
Lino Lakes, MN. 55014

**OWNER:** Same as Applicant

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**PROPOSED DEVELOPMENT**

Since this project was submitted late for Inclusion into last month's Environmental Board meeting, the plan went to P and Z before Environmental Board. The following staff report consolidates some of the information that went to P and Z.

The applicant has submitted a land use application for Comprehensive Plan Amendment, Rezoning and Preliminary Plat. The proposed development is a 2 lot single family Residential subdivision located at the northwest quadrant of White Pine Road and Baldwin Lake Road. The development contains one 4.38 gross acre parcel and is called Erickson Estates. The Utility Staging Map would also have to be changed from Stage 3 (Post 2030) to Stage 1, A (2008-2015).

The proposal is a Comprehensive Plan Amendment because The City will need to amend the Future Land Use Map from Urban Reserve to Low Density Residential. The proposal is a rezoning because the land would need to be changed from R, Rural to R-1X, and Single Family Executive.

The project engineer submitted:

- Preliminary Plat and Civil Plan Set prepared by Loucks, Inc. dated December 8, 2016
- Subsurface Geotechnical Assessment prepared by MTM Environmental, Inc. Dated August 26, 2016
- Wetland Delineation Report prepared by Kjolhaug Environmental Services

Company, Inc. dated September 30, 2016

- Comprehensive Amendment Form Submitted by Loucks with 2030 Future Land Use Map and 2030 Future Build Out Map

## **ANALYSIS**

The 4 acre site is contains one single family home, wetlands, pond, mowed grassland and Tree-coverage. The house is connected to public water and sanitary sewer. The Preliminary plat indicates Isanti sandy loams, peat and Zimmerman soils. Per the Subsurface Geotechnical Assessment, groundwater was not encountered in the boreholes. Minor construction limitations include the presence of topsoil that will need to be cut and filled. The Rice Creek Chain of Lakes Regional Park Reserve abuts the property to the North.

With regards to the Comprehensive Plan, Erickson Estates is consistent with the goals and policies of the comprehensive plan, resource management, land use, housing, transportation and utilities.

### *Resource Management System Plan*

The Resource Management System Plan provides the conservation design framework for the Comprehensive Plan and promotes sustainable decisions regarding growth and development. It provides a unified system approach to natural resource management and natural resource based amenities.

Goals of the Resource Management System Plan include:

- **Parks, Trails, Open Space and Recreation**

Goal #3: Develop, maintain, and connect the current and proposed trails in the City of Lino Lakes and Rice Creek Regional Park in a manner that preserves and sustains the natural environment.

- **Natural Resources and Amenities**

Goal #1: Identify, protect and preserve the desirable natural areas and ecological and aquatic resources of the community.

- **Land Use Policies**

Goal #1: Ensure that well-planned, quality residential, commercial, industrial and institutional development to accommodate the city's projected growth needs occurs in a manner that also conserves and enhances the city's natural resources and amenities.

The Resource Management System Plan identifies the following in the area:

- Proposed trail
- Greenway system connectivity

A future trail north-south through the Regional Park is indicated on the future park plan and Resource Management Plan. Erickson Estates does not negatively impact these plans.

The greenway corridor extends into the north portion of the parcel incorporating the



wetland and floodplain areas. This corridor will be preserved with a conservation easement.

**Density and Land Area Calculations**

The following chart implements Met Council’s formula for calculating net density:

Gross Area Acres-----	4.38
Wetland and Water Bodies-----	0.46
Public Parks and Open Space-----	0.00
Wetland Buffer Conservation Easement----	TBD
Net Area-----	TBD
Number of Units-----	2
Gross Density (units/Acre)-----	0.46
Net Density-----	TBD

Comments: The area of the wetland buffer conservation easement shall be provided.

**Storm Water Management and Erosion and Sediment Control**

Per the submitted Grading, Drainage & Utility Plan Sheet 2, drainage appears to occur on site. No stormwater management facilities are proposed. The City Engineer will review and comment on plan.

**Tree Preservation**

The goal of tree preservation is to minimize unnecessary loss of habitat, biodiversity and forest resource and to replace removed trees in areas where tree cover is most critical. The Grading, Drainage & Utility Plan, Sheet 2 identifies the basic use area (BUA), tree protection area and tree removal. The BUA is not located within any environmentally sensitive areas (ESA). Currently, there are 16 trees proposed for removal. Since these trees are located within the BUA and are outside of the ESA, no tree mitigation is required.

**Landscaping**

No boulevard trees or open space landscaping are required

**Environmental Assessment Worksheet (EAW)**

An Environmental Assessment Worksheet is not mandated. The 2 unattached residential units are under the 250 unattached unit thresholds.

## **Wetlands**

A Wetland Delineation Report was prepared by Kjolhaug Environmental Services Company, Inc. on September 20, 2016. A WCA Notice of Decision for Application Number 16-121R was issued by RCWD on October 4, 2016.

According to the report, two (2) wetlands were identified on the subject site. Per the preliminary plat, the total combined wetland area is 0.21 acres.

The site is located within in the RCWD Wetland Management Corridor (WMC). Because of this location a conservation easement covering an average 50 foot wide wetland buffer is required along the north wetland.

## **Shoreland Management Overlay**

The site is located in a Shoreland Management Overlay district. Baldwin Lake is a classified as a Recreational Lake and has an 883.1 OWHL elevation. A setback of 150 feet from the OHWL is required for all primary and accessory structures. Impervious surface coverage of 30% applies to all lots within the overlay district.

The 150 foot setback from the OHWL does not encroach onto Lot 1 or Lot 2 of the proposed development so is not an issue. Impervious surface coverage will be reviewed with the building permit but given the large size parcels, impervious coverage should not be an issue.

## **Comprehensive Plan Amendment**

The proposed, master planned project must provide discernable public values:

*Per the Comprehensive Plan, Goal #1, Policy #5 of the Land Use Plan defines the following discernable public values:*

- i. Preserving open space, providing park dedication and trails, and/or providing stormwater management areas, in excess of minimum standards to implement the Resource Management System Plan, as amended, and Rice Creek Watershed District's Lino Lakes Resource Management Plan, as amended*
- ii. Restoring/enhancing ecological systems*
- iii. Providing infrastructure that benefits community beyond the project site that would otherwise not be financially feasible.*

*Erickson Estates will preserve open space and enhance the ecological system by dedicating a conservation easement over the wetland management/ greenway corridor. Park dedication fees will be collected. Right-of-way will be platted and drainage and utility easements will be dedicated to preserve a corridor to extend public utilities in upon future development.*

**Preliminary Plat Documents Submitted for Erickson's Estates provided by Loucks and Associates, with Comments from City Engineer:**

**GRADING, EROSION AND SEDIMENT CONTROL**

**Information taken from City Engineer Report:**

1. The applicant shall provide the area of disturbance and the area of hard cover (e.g. impervious area) on the preliminary plat; and provide a SWPPP if required.
2. Normal and high water level elevations should be shown on sheet 1.
3. The drainage from lot 2 may not run off onto adjacent property (east side). A side yard swale or other drainage feature will be required; this may result in the need for a retaining wall.
4. Drainage arrows shall be included on the grading plan.

City code requires a base level sediment and Erosion Control Plan

**STORMWATER MANAGEMENT**

1. The plat is over an acre of land thus, the applicant shall provide an analysis demonstrating the stormwater runoff rates pre and post development. If the post development rate exceeds the pre development rate then rate control needs to be provided on the site. The applicant shall work with Rice Creek Watershed District for permit requirements.
2. The project is exempt from providing water quality treatment under RCWD Rule C.6. This is because the project has less than 1 acre of land disturbance.

**FLOODPLAIN**

1. There is floodplain on the existing and proposed lot.

**WETLANDS**

Rice Creek Watershed District is the LGU to review and approve the wetland delineation. Thus we have not reviewed for the Wetland Conservation Act (WCA).

1. Provided the LGU approves the wetland delineation, there are no proposed wetland impacts. Therefore, no wetland mitigation approval is needed.
2. RCWD will require the wetlands be within conservation easements, and this shall be included on the final plat. I discussed this with our Engineer and am checking with RCWD to confirm this , or it's possible the southern wetland does not fall into this requirement.

## **RARE AND UNIQUE FEATURES**

There are no rare and/or unique feature records on this site. There are no indicators that we would be concerned with ENR on this site.

## **Drinking Water Service Management Areas**

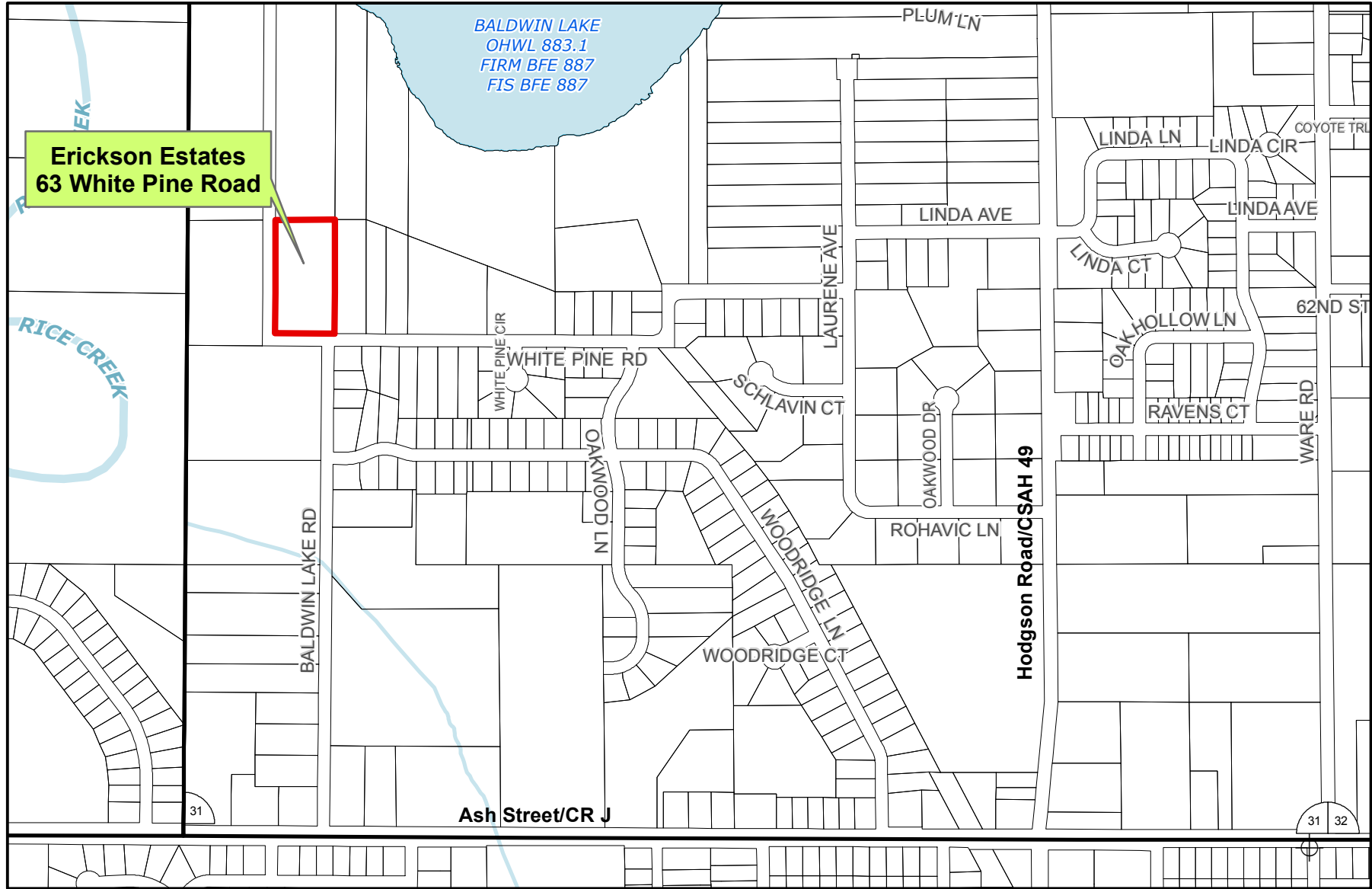
There are no DWSMA Vulnerability Concerns

## **RECOMMENDATION**

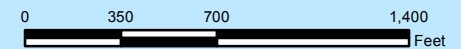
Approve the recommendations of staff and Environmental Board in this report and pass on to the City Council for their consideration.

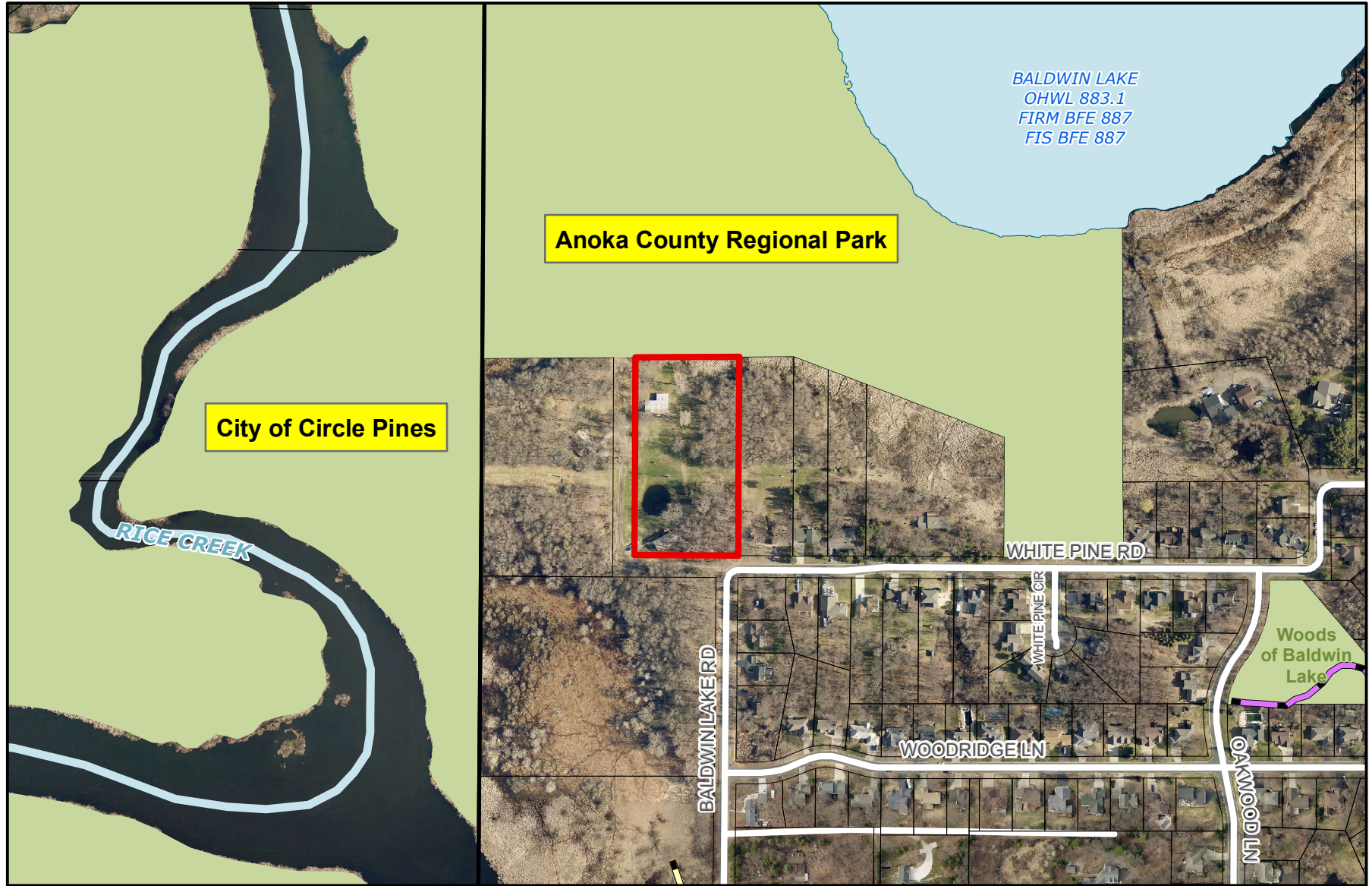
## **ATTACHMENTS**

1. Location Map
2. Landscape Plan



# Site Location Map

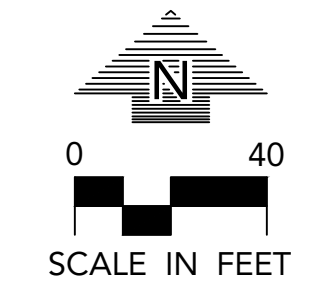
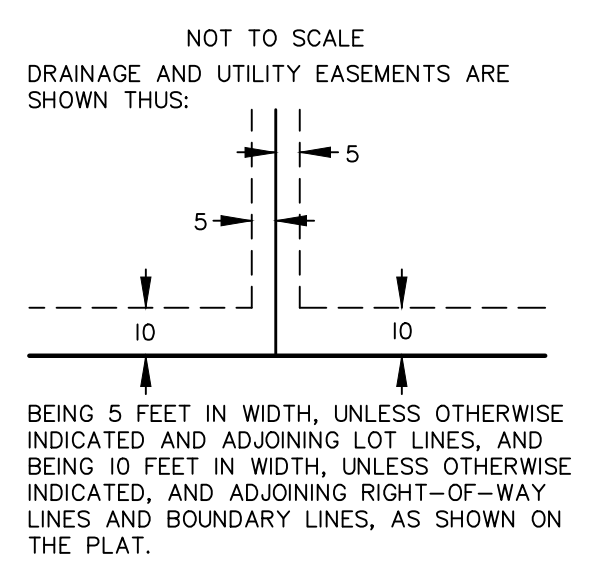
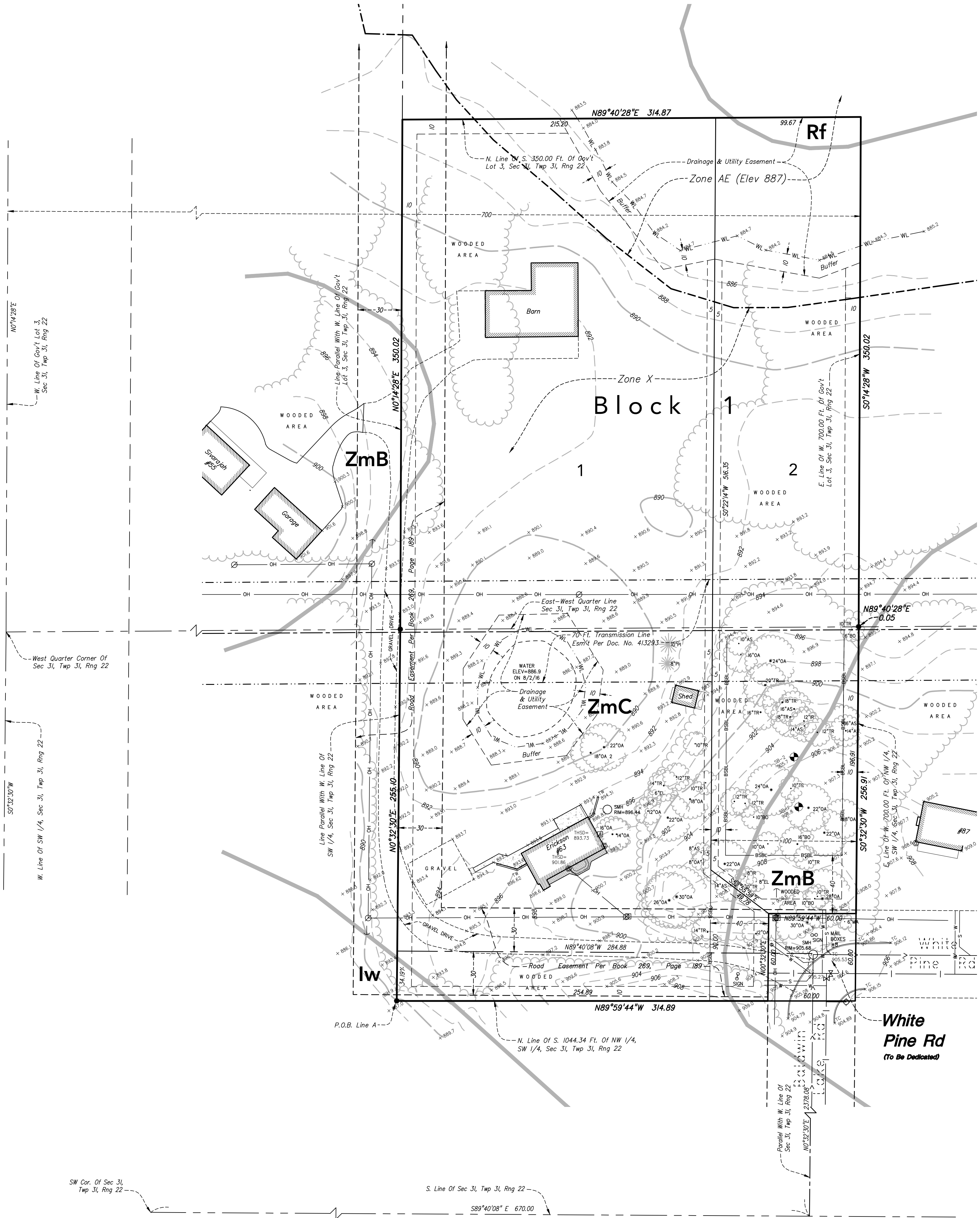




## Site Location Map 63 White Pine Road







BENCHMARK:  
IN BRIDGE RAILING IN SE COR. OF CO. RD J (85TH AVE. NE) BRIDGE NO. 02571 OVER I-35W, 0.5 MILE N. OF JUNCTION OF I-35W & TRUNK HWY 10, 20 FT. S. OF CO. RD. J, 7.0 FT. N. OF BRIDGE RAILING ELEV=933.76 FT. (NGVD'29)

**SOIL SURVEY LEGEND**  
Lw = ISANTI FINE SANDY LOAM  
Rf = RIFLE MUCKY PEAT  
ZmB = ZIMMERMAN FINE SAND, 1 TO 6 PERCENT SLOPES  
ZmC = ZIMMERMAN FINE SAND, 6 TO 12 PERCENT SLOPES

- DENOTES 1/2 INCH X 14 INCH IRON MONUMENT SET, MARKED "RLS 16099"
- △ DENOTES "PK NAIL" SET
- DENOTES IRON MONUMENT FOUND
- WL DENOTES WETLAND AS DELINEATED BY KJOLHAUG ENVIRONMENTAL SERVICES COMPANY AND LOCATED BY LOUCKS ON AUG. 2, 2016

**SURVEY LEGEND**

AS ASH	○ SANITARY MANHOLE	—>— SANITARY SEWER
BO BOXELDER	⊙ WELL	— I — WATERMAIN
EL ELM	◇ HYDRANT	— S — SANITARY SEWER SERVICE
IR IRONWOOD	⊗ GATE VALVE	— W — WATER SERVICE
MA MAPLE	⊕ POWER POLE	— CTV — UNDERGROUND CABLE TV
OA OAK	⊖ GUY WIRE	— ELE — UNDERGROUND ELECTRIC
PI PINE	⊙ SIGN	— GAS — UNDERGROUND GAS
TR TREE (GEN)	⊙ SPOT ELEVATION	— TEL — UNDERGROUND TELEPHONE
TC TOP OF CURB	⊙ A/C UNIT	— OH — OVERHEAD UTILITY
TW TOP OF WALL	⊙ CABLE TV PEDESTAL	— RETAINING WALL
THSD ELEV @ THRESHOLD	⊙ TELEPHONE PEDESTAL	— CONCRETE CURB
CONIFEROUS TREE	⊙ ELECTRIC METER	— CONCRETE
DECIDUOUS TREE	⊙ GAS METER	— PAVERS
	⊙ MAILBOX	— 872 — CONTOUR

**PRELIMINARY PLAT GENERAL NOTES**

**SURVEYOR:**  
Loucks  
7200 Hemlock Lane, Suite 300  
Maple Grove, MN 55330  
763-424-5505

**OWNER/DEVELOPER:**  
Dave & Joan Erickson  
63 White Pine Road  
Lino Lakes, MN 55014  
651-373-3467

**LEGAL DESCRIPTION:**  
That part of the following described property which lies East of Line A described herein:

The South 350.00 feet of the west 700.00 feet of Government Lot 3, and that part of the west 700.00 feet of the Northwest Quarter of the Southwest Quarter which lies North of the south 1044.34 feet thereof, all in Section 31, Township 31, Range 22, Anoka County, Minnesota.

Line A  
Commencing at a point on the South line of Section 31, Township 31, Range 22, Anoka County, Minnesota, distant 670.00 feet East of the Southwest corner of said Section 31, thence North and parallel with the West line of said Section 31 a distance of 2378.08 feet; thence West and parallel with the south line of said Section 31 a distance of 284.88 feet; thence South and parallel with said West line a distance of 34.19 feet to a point on the North line of the South 1044.34 feet of the Northwest Quarter of the Southwest Quarter of said Section 31, which is the point of beginning of Line A to be described; thence North parallel with the West line of the Southwest Quarter of said Section 31 to a point on the East and West Quarter line of said Section 31; thence North parallel with the west line of Government Lot 3 of said Section 31 to a point on the North line of the South 350.00 feet of said Government Lot 3 and there terminating.

Abstract Property

**DATE OF PREPARATION:**  
December 2016

**EXISTING ZONING:**  
Zone (R) Rural

**PROPOSED ZONING:**  
Zone (R-1X) Single Family Executive Residential

**CURRENT LAND USE:**  
Residential (Urban Reserve)

**PROPOSED LAND USE:**  
Residential (Low Density Residential)

**AREAS:**  
Proposed Lot 1 = 133,087 +/- Sq.Ft. or 3.06 +/- Acres  
Proposed Lot 2 = 54,127 +/- Sq.Ft. or 1.24 +/- Acres  
R.O.W. Dedication = 3,600 +/- Sq.Ft. or 0.08 +/- Acres  
Total Plat Area = 190,814 +/- Sq.Ft. or 4.38 +/- Acres

**BUILDABLE ACREAGE:**

Lot 1:	Gross: 133,087 +/- SF or 3.06 +/- Ac.	Lot 2:	Gross: 54,127 +/- SF or 1.24 +/- Ac.
	Wetlands: 10,678 +/- SF or 0.25 +/- Ac.		Wetlands: 9,057 +/- SF or 0.21 +/- Ac.
	Net: 122,407 +/- SF or 2.81 +/- Ac.		Net: 45,070 +/- SF or 1.03 +/- Ac.

**PROPOSED BUILDING SETBACKS:**  
Front = 40 Feet  
Side = 10 Feet  
Rear = 30 Feet

**FLOOD ZONE DESIGNATION:**  
This property is contained in Zone AE (Base Flood Elevations Determined) and (Zone X (areas determined to be outside the 0.2% annual chance floodplain) per Flood Insurance Rate Map 27003C0344E, Community Panel No. 270015 0344 E, effective date of December 16, 2015.

**ERICKSON ESTATES**

LINO LAKES, MN

Dave & Joan Erickson

63 White Pine Road  
Lino Lakes, MN 55014

**LOUCKS**

PLANNING  
CIVIL ENGINEERING  
LAND SURVEYING  
LANDSCAPE ARCHITECTURE  
ENVIRONMENTAL

7200 Hemlock Lane, Suite 300  
Maple Grove, MN 55369  
763.424.5505  
www.loucksinc.com

**CADD QUALIFICATION**  
CADD files prepared by the Consultant for this project are instruments of the Consultant professional services for use solely with respect to this project. These CADD files shall not be used on other projects, for additions to this project, or for completion of this project by others without written approval by the Consultant. With the Consultant's approval, others may be permitted to obtain copies of the CADD drawing files for information and reference only. All intentional or unintentional revisions, additions, or deletions to these CADD files shall be made at the full risk of that party making such revisions, additions or deletions and that party shall hold harmless and indemnify the Consultant from any & all responsibilities, claims, and liabilities.

**SUBMITTAL/REVISIONS**

12/8/16	CITY SUBMITTAL
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**PROFESSIONAL SIGNATURE**  
I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota.

Paul J. McGinley - TLS

License No. 16099  
Date 12/8/16

**QUALITY CONTROL**

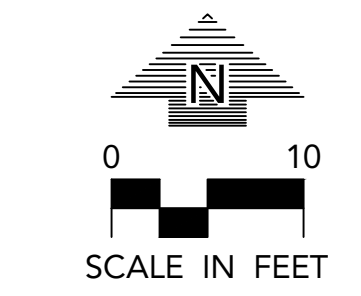
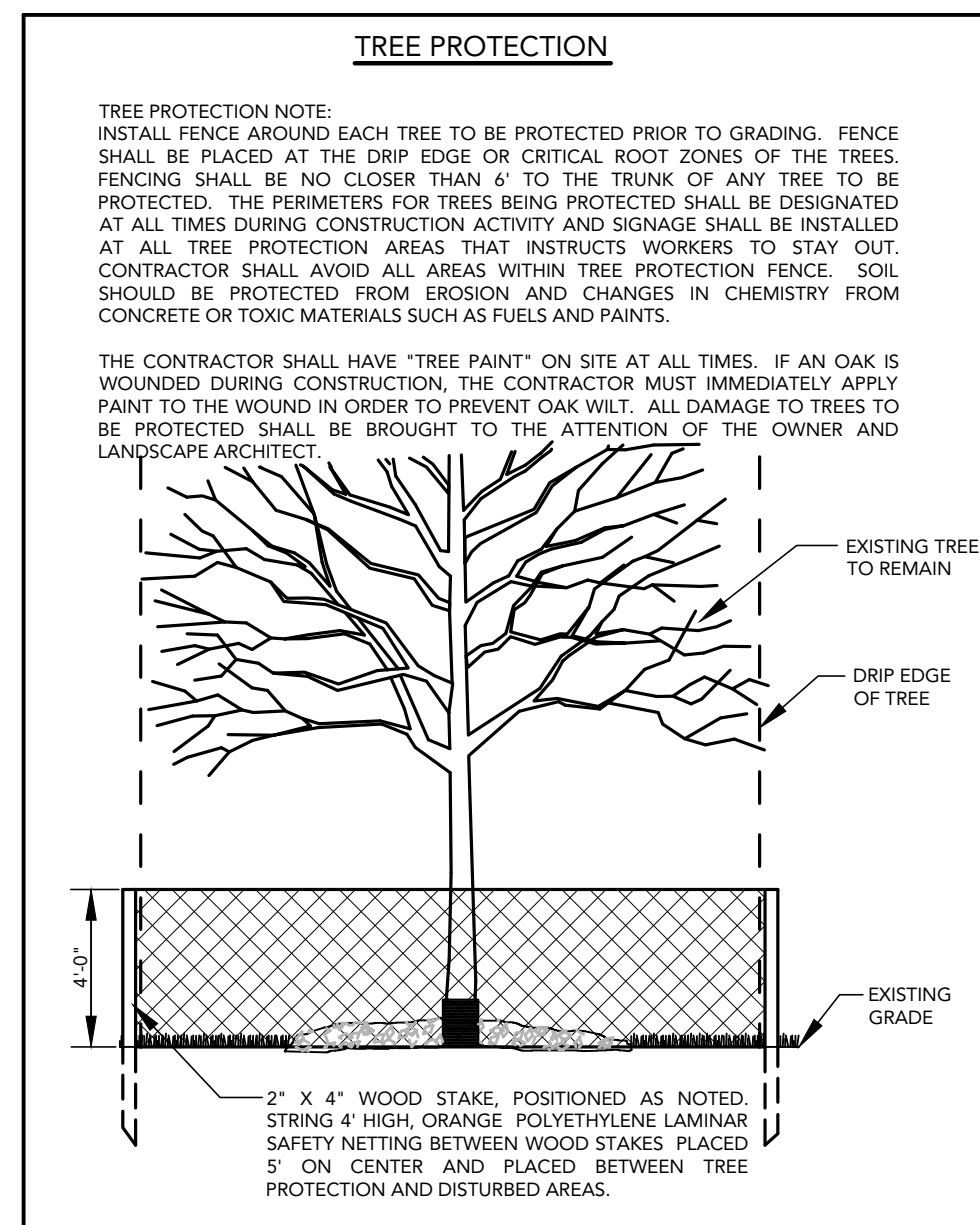
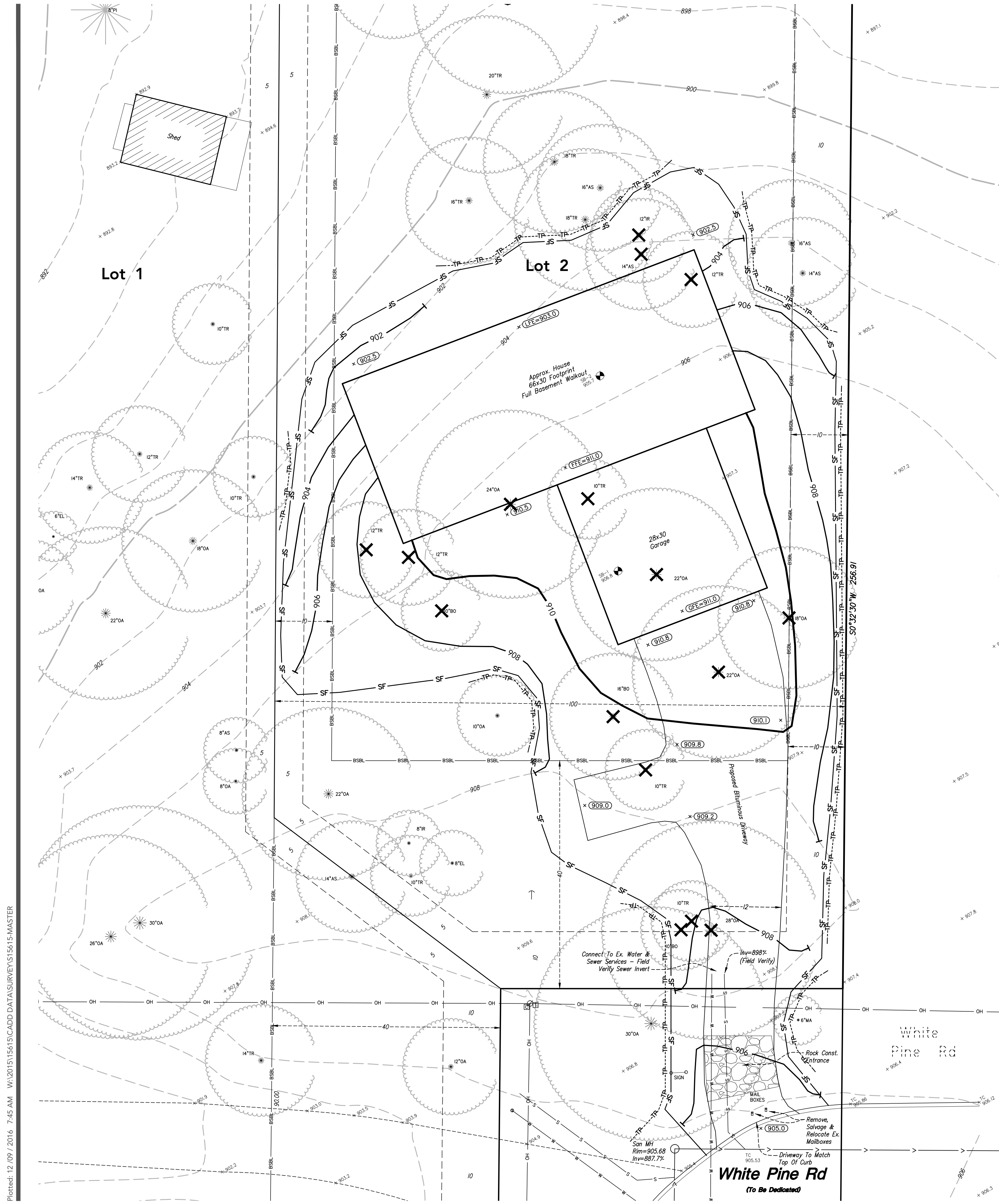
Loucks Project No.	15-615
Project Lead	PJM
Drawn By	SFM
Checked By	PJM
Field Crew	DP/BH

**VICINITY MAP**

1	PRELIMINARY PLAT
2	GRADING, DRAINAGE & UTILITY
3	GHOST PLAT

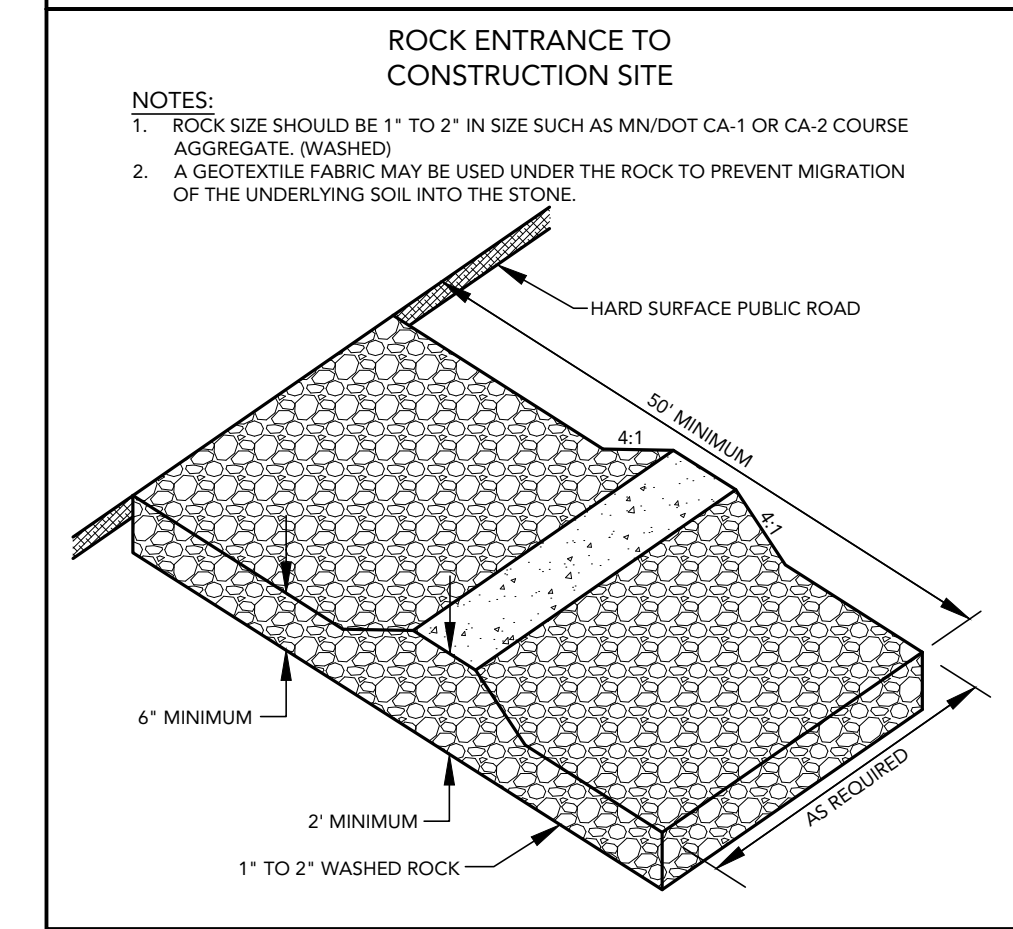
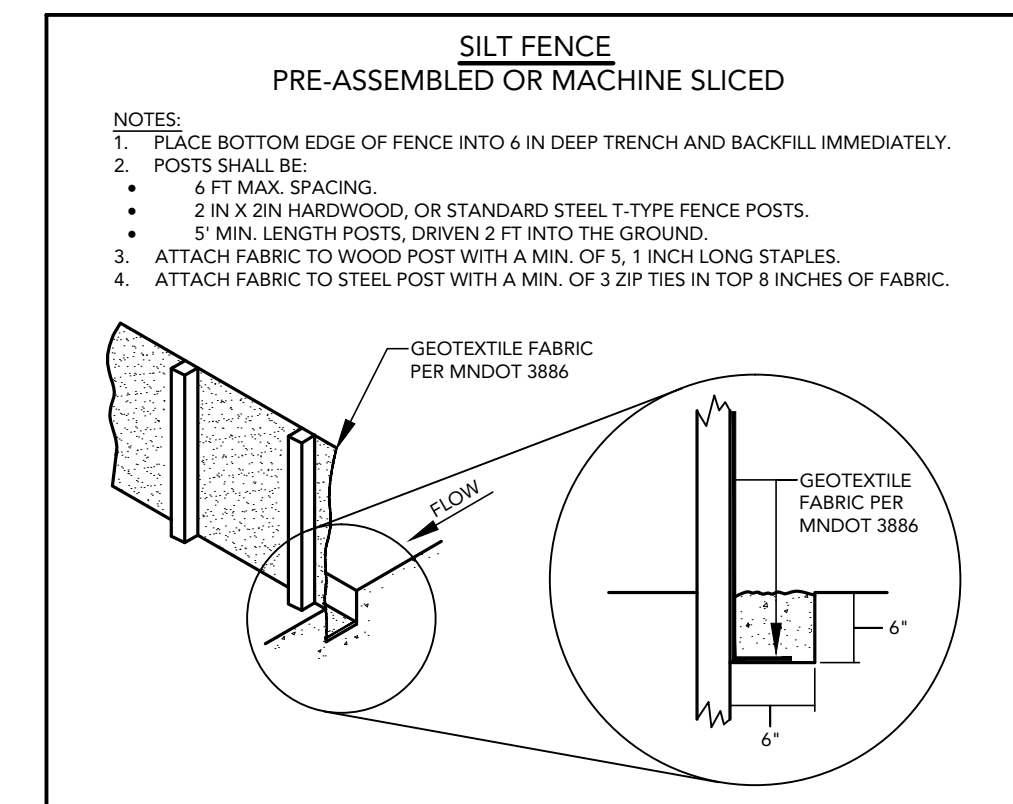
**PRELIMINARY PLAT**

**1 of 3**



### PROPOSED LEGEND

- 909.8 SPOT ELEVATION
- FFE FIRST FLOOR ELEVATION
- GFE GARAGE FLOOR ELEVATION
- LFE LOWEST FLOOR ELEVATION
- 906 CONTOUR
- SF SILT FENCE
- TP TREE PROTECTION
- X TREE TO BE REMOVED



BENCHMARK:  
 IN BRIDGE RAILING IN SE COR. OF CO. RD J (85TH AVE. NE) BRIDGE NO. 02571 OVER 1-35W, 0.5 MILE N. OF JUNCTION OF 1-35W & TRUNK HWY 10, 20 FT S. OF CO. RD. J, 7.0 FT. N. OF BRIDGE RAILING ELEV=933.76 FT. (NGVD'29)

### EXISTING SURVEY LEGEND

- |                      |                               |
|----------------------|-------------------------------|
| ○ SANITARY MANHOLE   | — S — SANITARY SEWER          |
| ⊕ WELL               | — I — WATERMAIN               |
| ⊙ HYDRANT            | — S — SANITARY SEWER SERVICE  |
| ⊗ GATE VALVE         | — W — WATER SERVICE           |
| ⊙ POWER POLE         | — CTV — UNDERGROUND CABLE TV  |
| ← GUY WIRE           | — ELE — UNDERGROUND ELECTRIC  |
| ⊙ SIGN               | — GAS — UNDERGROUND GAS       |
| 907.5 SPOT ELEVATION | — TEL — UNDERGROUND TELEPHONE |
| ⊠ A/C UNIT           | — OH — OVERHEAD UTILITY       |
| ⊠ CABLE TV PEDESTAL  | — — RETAINING WALL            |
| ⊠ TELEPHONE PEDESTAL | — — CONCRETE CURB             |
| ⊙ ELECTRIC METER     | — — CONCRETE                  |
| ⊙ GAS METER          | — — PAVERS                    |
| ⊙ MAILBOX            | — — 872 CONTOUR               |

### GENERAL SITE WORK NOTES

- The Contractor shall verify the location of all underground utilities prior to beginning any construction activities by calling GOPHER STATE ONE-CALL (1-612-454-0002 Metro Area, 1-800-252-1166 Out State).
- The Contractor shall take all precautions necessary to avoid property damage to adjacent properties during the construction phase of this project. The Contractor will be held responsible for any damages to adjacent properties occurring during the construction phase of this project.
- In accordance with generally accepted construction practices the Contractor will be solely and completely responsible for conditions on the job site including safety of all persons and property during the performance of the work. This requirement will apply continuously and not be limited to normal working hours.
- Verify horizontal location and elevation where a connection to existing pavement, structure, pipe or other site feature is to be made. The Contractor shall immediately notify the Engineer of any discrepancies or variations from the plans.
- Traffic control shall be provided as necessary and shall be incidental to the project. The Contractor shall be responsible for providing and maintaining traffic control devices such as barricades, warning signs, directional signs, flagmen and lights to control the movement of traffic where necessary. Placement of these devices shall be approved by the Engineer prior to placement. All traffic control devices shall conform to MN Manual on Uniform Traffic Control Devices, latest edition.
- Adjacent streets, alleys and parking areas must be swept to deep them free of tracked soil and sediment. Contractor must monitor conditions and sweep as needed or within 24 hours of notice by the City. Sweeping shall be by a mechanical pick-up type sweeper.

### SITE REMOVAL NOTES

- The Contractor shall clear & grub as shown on plans. This includes the removal of trees, brush, stumps, roots and other plant life as noted. All removals shall be disposed of off-site in a manner meeting all applicable regulations.
- All removal items shall become the property of the Contractor unless specified otherwise and shall be disposed of off-site in a manner meeting all applicable regulations.
- The Contractor shall be responsible for the removal and replacement of all signs, mailboxes, etc.
- Any damage to items not noted to be removed shall be the responsibility of the Contractor and shall be repaired or replaced to original condition with no additional compensation.

### GRADING & EROSION CONTROL NOTES

- The Contractor along with the Owner shall obtain all necessary permits and approvals from governing authorities, including any City permits and the Watershed District permit.
- Install erosion control and tree protection measures before beginning site grading activities. Some erosion controls such as bale checks may be installed as grading occurs in specific areas. Maintain erosion controls throughout the grading process and remove when turf has been established.
- The area to be disturbed shall be minimized and turf shall be established within the time required.
- All construction entrances shall be surfaced with crushed rock, as detailed.
- Contractor shall strip, stockpile and re-spread existing on-site topsoil to provide a uniform thickness on all disturbed areas to be sodded or seeded.
- Grades shown are finished grades.
- Final grading tolerances are +/- 0.2 feet of finish grades.
- Slopes at 3:1 or steeper, and/or where indicated on the plan shall be seeded and have a wood fiber blanket installed or may be hydroseeded with tackifier mulch.
- All spot elevations represent finished surface grades at gutter line, face of building or edge of pavement unless noted otherwise.

**ERICKSON ESTATES**  
 LINO LAKES, MN

Dave & Joan Erickson  
 63 White Pine Road  
 Lino Lakes, MN 55014

**LOUCKS**  
 PLANNING  
 CIVIL ENGINEERING  
 LAND SURVEYING  
 LANDSCAPE ARCHITECTURE  
 ENVIRONMENTAL  
 7200 Hemlock Lane, Suite 300  
 Maple Grove, MN 55369  
 763.424.5505  
 www.loucksinc.com

**CADD QUALIFICATION**  
 CADD files prepared by the Consultant for this project are instruments of the Consultant's professional services for use solely with respect to this project. These CADD files shall not be used on other projects, for additions to this project, or for completion of this project by others without written approval by the Consultant. With the Consultant's approval, others may be permitted to obtain copies of the CADD drawing files for information and reference only. All intentional or unintentional revisions, additions, or deletions to these CADD files shall be made at the full risk of that party making such revisions, additions or deletions and that party shall hold harmless and indemnify the Consultant from any & all responsibilities, claims, and liabilities.

**SUBMITTAL/REVISIONS**  
 12/8/16 CITY SUBMITTAL

**PROFESSIONAL SIGNATURE**  
 I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

*Todd W. McCoun*  
 License No. 20383  
 Date 12/8/16

**QUALITY CONTROL**  
 Loucks Project No. 15-615  
 Project Lead PJM  
 Drawn By SFM  
 Checked By TWV  
 Review Date 12/8/16

**SHEET INDEX**  
 1 PRILIMINARY PLAT  
 2 GRADING, DRAINAGE & UTILITY  
 3 GHOST PLAT

**GRADING, DRAINAGE & UTILITY PLAN**  
 2 of 3



CADD QUALIFICATION

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SUBMITTAL/REVISIONS

12/8/16 CITY SUBMITTAL

PROFESSIONAL SIGNATURE

I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota.

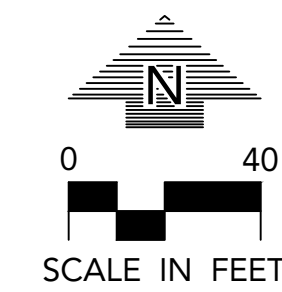
*Paul J. McGinley*  
Paul J. McGinley - L.S. 16099  
Date 12/8/16

QUALITY CONTROL

Loucks Project No. 15-615  
Project Lead PJM  
Drawn By SFM  
Checked By PJM  
Field Crew DP/BH

SHEET INDEX

1 PRELIMINARY PLAT  
2 GRADING, DRAINAGE & UTILITY  
3 GHOST PLAT



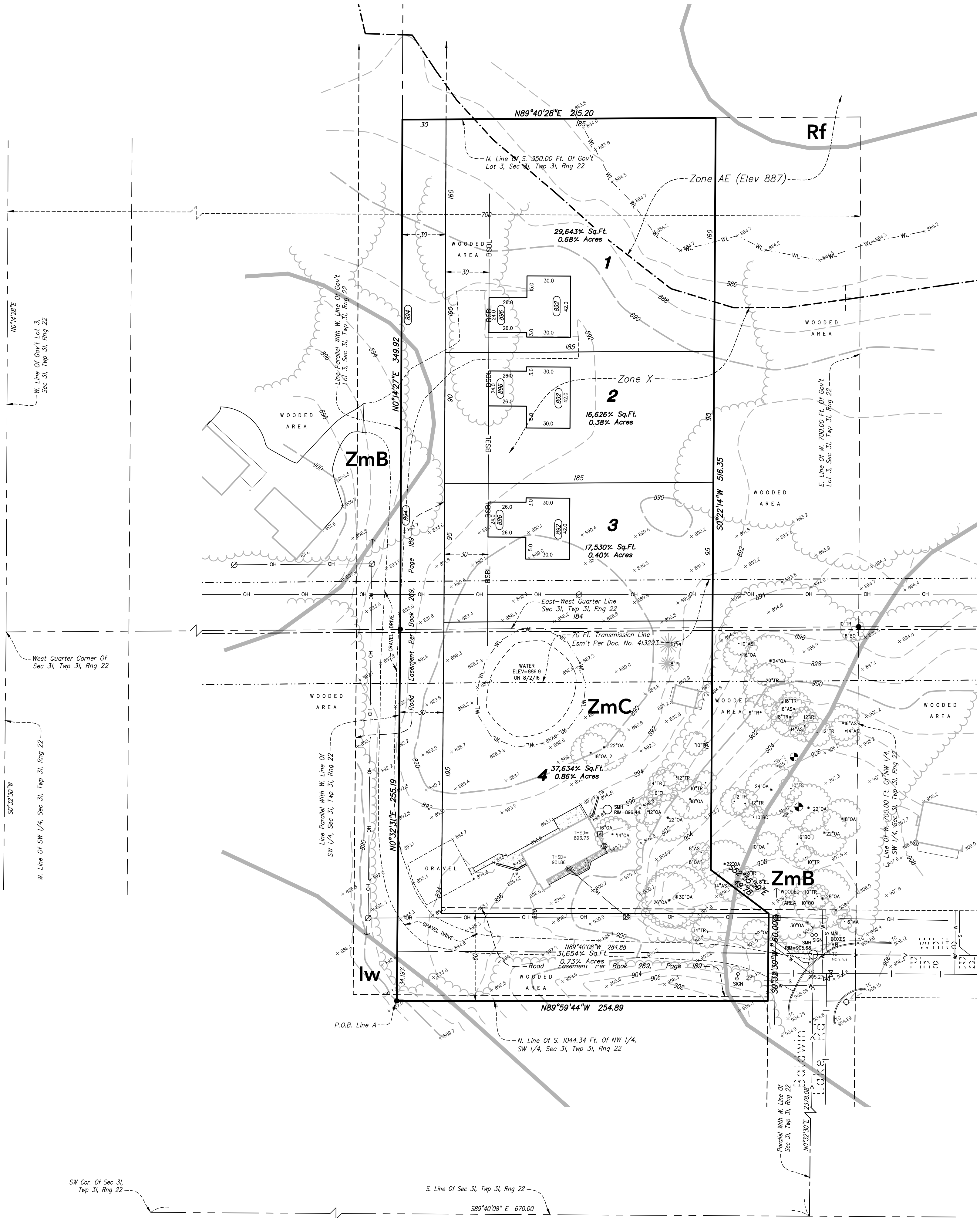
BENCHMARK:  
IN BRIDGE RAILING IN SE COR. OF CO. RD J  
(85TH AVE. NE) BRIDGE NO. 02571 OVER  
I-35W, 0.5 MILE N. OF JUNCTION OF I-35W  
& TRUNK HWY 10, 20 FT S. OF CO. RD. J,  
7.0 FT. N. OF BRIDGE RAILING  
ELEV=933.76 FT. (NGVD'29)

- DENOTES 1/2 INCH X 14 INCH IRON MONUMENT SET, MARKED "RLS 16099"
- △ DENOTES "PK NAIL" SET
- DENOTES IRON MONUMENT FOUND

DENOTES WETLAND AS DELINEATED BY KJOLHAUG ENVIRONMENTAL SERVICES COMPANY AND LOCATED BY LOUCKS ON AUG. 2, 2016

SURVEY LEGEND

AS ASH	○ SANITARY MANHOLE	—>— SANITARY SEWER
BO BOXELDER	⊗ WELL	— — WATERMAIN
EL ELM	◇ HYDRANT	—S— SANITARY SEWER SERVICE
IR IRONWOOD	⊗ GATE VALVE	—W— WATER SERVICE
MA MAPLE	⊗ POWER POLE	—CTV— UNDERGROUND CABLE TV
OA OAK	— GUY WIRE	—ELE— UNDERGROUND ELECTRIC
PI PINE	— SIGN	—GAS— UNDERGROUND GAS
TR TREE (GEN)	⊗ SPOT ELEVATION	—TEL— UNDERGROUND TELEPHONE
TC TOP OF CURB	⊗ A/C UNIT	—OH— OVERHEAD UTILITY
TW TOP OF WALL	⊗ CABLE TV PEDESTAL	—RET— RETAINING WALL
THSD ELEV @ THRESHOLD	⊗ TELEPHONE PEDESTAL	—CONC— CONCRETE CURB
CONIFEROUS TREE	⊗ ELECTRIC METER	—CONC— CONCRETE
DECIDUOUS TREE	⊗ GAS METER	—PAV— PAVERS
	⊗ MAILBOX	—672— CONTOUR



**ENVIRONMENTAL BOARD  
AGENDA ITEM**

STAFF ORIGINATOR: Marty Asleson

ENV. BD. MEETING DATE: January 25, 2017

REQUEST: Discussion Item –  
Environmental Board Meeting Dates for 2017

APPLICANT: Not applicable

REVIEW DEADLINE: Not applicable

**BACKGROUND**

Environmental Board meetings take place on the last Wednesday of each month at 6:30 p.m., unless rescheduled due to conflict. The following dates are set for Environmental Board Meetings in 2017:

January 25  
February 22  
March 29  
April 26  
May 31  
June 28  
July 26  
August 30  
September 27  
October 25  
November 29  
December 20

**RECOMMENDATION**

None

**ATTACHMENTS**

None

## ENVIRONMENTAL BOARD AGENDA ITEM 6A

**STAFF ORIGINATOR:** Marty Asleson, Environmental Coordinator

**MEETING DATE:** January 25, 2017

**TOPIC:** Environmental Board Goals 2016/2017

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### BACKGROUND

2016 Environmental Board Goals were discussed at the November 30, 2016 meeting. The Following statements have included the suggestions proposed at the meeting:

1. **Promote** Environmental Stewardship with the citizens of Lino Lakes, and conservation opportunities by communicating environmental initiatives in the city using various means of communication such as:
  - Mailings.
  - Multi-media including social media such as Facebook and possibly Twitter. Double the followers on Facebook.
  - School “enviro- shows”, promotion in schools.
  - Partnerships with our two watershed districts.
  - Newspaper, Environmental Board article
  -
2. **Promote Lino Lakes Environmental Issues to the Public by:**
  - Participate in Earth Day (Date)
  - Participate in Blue Heron Days (Date)
  - Partner with Anoka County Recycling Resource Solutions.
    1. Utilize County Select Committee on Recycling (SCORE) and Local Recycling Development Grant (LRDG) Funds to the maximum extent possible to increase our recycling totals.
    2. Work with local participating businesses on mandated business recycling through Anoka County and “Waste-Wise” staff.
    3. Partner with our neighborhood groups to educate and start pilot projects to recycle organics.
    4. Increase our volunteer base in recycling
    5. Increase services available to residents at the monthly Recycling Day event including additional paper shredding, events, hard drive

destruction and the “Bridging Program” and or other charity organizations.

6. To meet or exceed our City recycling goal of 50 (1836 tons) percent or greater of our municipal solid waste.

7. Find innovative ways to promote and encourage recycling as a city.

8. Continue to look into ways for school facilities to reduce waste and increase recycling, and continue to enhance recycling efforts through grants from Anoka County Integrated Waste. (Changed Format).

9. Continue to promote organic recycling and investigate methods to make organic recycling all-inclusive to residents.

3. Cooperate with Rice Creek Watershed District and Vadnais Lakes Area Water Management Organization, and city staff to promote development that renews, preserves, and restores surface water, lakes, stream and wetlands through project review processes and public education.
4. Monitor any activity in the AUAR as well as other proposed development areas, focusing on the values that citizens of Lino Lakes have expressed in the 20/30 vision for our city and the unique ecological aspects of our wetlands, lakes and streams and subsurface waters, vegetation and wildlife populations.
5. Perform evaluation of past Environmental Board recommendations for development projects. Review a sampling of a variety of projects by on-site visits, discussion with city staff, and landowners, neighbors, on the outcomes of the board’s recommendations. If necessary, submit a summary of significant findings resulting from the review in writing to the Community Development Director.
6. Support Conservation Development within the city through site review processes by incorporating The Resources Management System Plan components of the City Comprehensive Plan. The use of the planning documents within the Comprehensive Plan that enable Conservation Development include:
  - The Lino Lakes Handbook For Environmental Planning and Conservation Development,
  - The Minnesota Land Cover Classification System and Natural Resource Inventory for Lino Lakes
  - The Minnesota County Biologic Survey
  - The Lino Lakes Assessment of Existing Ecological Conditions and Management Opportunities
  - The Lino Lakes Handbook For Environmental Planning and Conservation Development

- The Minnesota DNR Regionally Significant Ecological Areas Assessment, Rare Wildlife and Plant Models built by the City
- The Lino Lakes Parks, Natural Open Space/Greenways, and Trails System Plan,
- The I-35E Corridor Alternative Urban Area-wide Review (AUAR) assessment
- The Rice Creek Watershed District/Lino Lakes Resources Management Plan
- The Assessment of Development, Suitability and Natural Resources Conservation Opportunities study,
- The City of Lino Lakes Local Surface Water Management Plan

7. Support the Community Garden site and continue the partnership with Park Department to manage the Community Garden site, **adapt gardens to site land sale.**
8. Do an annual review/update in regards to the Lino Lakes EAB Implementation Plan. Offer residents opportunities for tree purchasing and possibly tree treatment. **Obtain interns and train them in Ash Tree Treatment. Start treating a third of our City boulevard trees.**
9. Continue to work on Wollan's Park Wetland bank to achieve wetland bank credits by the end of the year 2019 and investigate new banking opportunities. **Help to establish a city wide process to fund wetland banking.** (I added this for your consideration).
10. Continue to monitor the Heron rookery and water quality in the northern one third of Peltier Lake and to support the protection of resources in that area. Update Council on these matters. Recruit new volunteers to help with rookery maintenance and monitoring.
11. **Support Stormwater efforts of our engineering department in Community Development to develop a NPDES next phase inventory of our ponds and support adequate funding for needed maintenance efforts, and in emergency situations and regular maintenance of drainage areas.**
12. **Support the maintenance of established conservation easement areas where funding is available.** (I added this for your consideration)



# Memo

To: Environmental Board  
From: Nan Jia  
Date: 1/20/2017  
Re: Business Recycling

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## **Commercial Recycling Mandate**

As of January 1, 2016, any business in the seven-county metro area that generates four cubic yards or more of solid waste per week must begin recycling at least three materials, such as paper, glass, plastic and metal, by Jan. 1, 2016. In addition, professional and collegiate sports facilities anywhere in the state will also have to recycle at least three materials. Industries exempt from the new rules include agriculture, construction and manufacturing. Please see attachment for Minn. Stat. 115A.151.

## **Anoka County Business Recycling Assistance Program**

The Anoka County Business Recycling Assistance Program provides resources to help businesses become compliant with new recycling requirements and improve current recycling efforts.

- Free on-site assistance: A technical expert from Minnesota Chamber of Commerce's Waste Wise program will visit the business to help find ways to reduce waste, design a new or improved recycling program or get business started on organics recycling.
- Free labels for recycling and trash containers
- Funding to improve recycling: Up to \$10,000 could be provided for equipment and supplies to help business recycle more. Non-residential entities such as businesses, organizations and churches located in Anoka County are eligible for the funding.

## 2016 Minnesota Statutes

### 115A.151 RECYCLING REQUIREMENTS; PUBLIC ENTITIES; COMMERCIAL BUILDINGS; SPORTS FACILITIES.

(a) A public entity, the owner of a sports facility, and an owner of a commercial building shall:

(1) ensure that facilities under its control, from which mixed municipal solid waste is collected, also collect at least three recyclable materials, such as, but not limited to, paper, glass, plastic, and metal; and

(2) transfer all recyclable materials collected to a recycler.

(b) For the purposes of this section:

(1) "public entity" means the state, an office, agency, or institution of the state, the Metropolitan Council, a metropolitan agency, the Metropolitan Mosquito Control Commission, the legislature, the courts, a county, a statutory or home rule charter city, a town, a school district, a special taxing district, or any entity that receives an appropriation from the state for a capital improvement project after August 1, 2002;

(2) "metropolitan agency" and "Metropolitan Council" have the meanings given them in section [473.121](#);

(3) "Metropolitan Mosquito Control Commission" means the commission created in section [473.702](#);

(4) "commercial building" means a building that:

(i) is located in a metropolitan county, as defined in section [473.121](#);

(ii) contains a business classified in sectors 42 to 81 under the North American Industrial Classification System; and

(iii) contracts for four cubic yards or more per week of solid waste collection; and

(5) "sports facility" means a professional or collegiate sports facility at which competitions take place before a public audience.



## Memo

To: Lino Lakes Environmental Board  
From: Marty Asleson  
Date: January 28, 2017  
Re: Community Garden Plot Impacts

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Please see the attached map showing the garden plots that will be lost because of the American Legion parking lot construction. The drawing on the map is not the final submittal and could very well look different if surface water design is moved around. The Environmental Board will have a chance to review the preliminary plan probably next month.

The Legion does own the entire lot where construction is shown and we would lose about 20 garden plots. We can discuss mitigating the loss at the meeting



