

**City of Lino Lakes
Environmental Board Meeting**

**February 22, 2017
6:30 p.m.**

AGENDA

5:30 p.m. Meeting Earth Day for Preparation

1. Call to Order
2. Swearing In of New & Returning Members – Shawn Holmes, Alex Schwartz, Liz Kaufenberg
3. Approval of Agenda
4. Approval of Minutes
5. Open Mike
6. Action Items
 - A. Bald Eagle Erectors
7. Discussion Items
 - A. Paul Gardner, free curbside clothing & home goods recycling program
 - B. Jon Klapperich (Waste Wise) and Amy Ulbricht (Anoka County), Business Recycling in Lino Lakes
 - C. Event Dates
 - D. Earth Day
7. Adjourn

**CITY OF LINO LAKES
ENVIRONMENTAL BOARD MINUTES**

DATE	: January 25, 2017
TIME STARTED	: 6:31 P.M.
TIME ENDED	: 7:51 P.M.
MEMBERS PRESENT	: Paula Andrzejewski, Liz Kaufenberg, Nancie Klebba, John Sullivan, Alex Schwartz
MEMBERS ABSENT	: Steve Heiskary
STAFF PRESENT	: Marty Asleson, Nan Jin

1. CALL TO ORDER:

Ms. Klebba called the Lino Lakes Environmental Board meeting to order at 6:31 p.m. on January 25, 2017.

2. APPROVAL OF AGENDA:

ADDED: Voting in Chair and Vice Chair

Ms. Andrzejewski nominated Mr. Heiskary as Chair and Ms. Klebba as Vice Chair. Ms. Kaufenberg seconded the nomination. All in favor.

Ms. Andrzejewski made a MOTION to approve the Agenda with the changes. Ms. Kaufenberg seconded motion. Motion carried 4- 0.

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

- D. Arbor Day
- E. Earth Day

3. APPROVAL OF MINUTES

December 21, 2016

Mr. Sullivan made a MOTION to approve the December 21, 2016 Meeting Minutes. Motion was seconded by Ms. Andrzejewski. Motion carried 4-0.

4. OPEN MIKE

Declared Open Mike at 6:34 p.m.

Closed Open Mike at 6:35 p.m.

5. ACTION ITEMS

A. Erickson Estates, 63 White Pine Road, Preliminary

The applicant has submitted a land use application for Comprehensive Plan amendment. 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 contain on 4.38 gross acre parcel and is Erickson Estates.

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 change from R, Rural to R-1X, and single Family Executive.

ANALYSIS

The four-acre site contains a single-family home connected to public water and sewer, area has wetlands, pond, mowed grassland, and tree coverage. Per the Subsurface Geotechnical Assessment, groundwater was not encountered in the boreholes. The Rice Creek Chain of Lakes Regional Park Reserve abuts the property to the north.

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

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 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

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

Storm Water Management and Erosion and Sediment Control

No storm water management facilities are proposed. The City Engineer will review and comment on the plan.

Tree Preservation

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.

Mr. Asleson would like to add protection of the oak trees in the area from construction.

Landscaping

No boulevard trees or open space landscaping are required

Environmental Assessment Worksheet (EAW)

An Environmental Assessment Worksheet is not mandated.

Wetlands

According to the report prepared by Kjolhaug Environmental Services Company, Inc, two 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 the RCWD Wetland Management Corridor. Because of this location, a conservation easement covering an average 50 foot wide wetland buffer is required along the northern wetland.

Shoreland Management Overlay

The site is located in a Shoreland Management Overlay district. Baldwin Lake is a classified as a Recreational Lake. 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

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.

Rare and Unique Features

There are no rare and/or unique feature records on this site.

Ms. Kaufenberg would like to see signage on the buffer wetland.

Ms. Andrzejewski and Mr. Schwartz both would like to see a future proposed trail map and the location of the trail.

Mr. Asleson made the suggestion that if any oak trees out of the construction area are wounded that measures are taken to control oak wilt.

Mr. Schwartz made a Motion to approve the preliminary plat with the Environmental board recommendations. Motion seconded by Ms. Kaufenberg. Motion passed 5-0.

6. DISCUSSION ITEMS

A. Goals/2017 Revision Review

2017 Environmental Board Goals were discussed at the November 30, 2016 meeting. Revised at the December 11, 2016 Environmental Board meeting and will be presented at the City Council Work session on February 6, 2017

B. Recycling Updates – Nan Jia

Ms. Jia went over Commercial Recycling Mandate which states that as of January 1, 2016 any business in the seven-county metro area that generates four cubic yards of more of solid waste per week must begin decline at least three materials, such as paper, glass, plastic and metal. 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.

Ms. Andrzejewski asked if Ms. Jia has reached out to the schools about recycling at least three materials. As of now the school has been recycling only paper. If you went to the student councils and let the students, be the champions.

Ms. Klebba wanted to know if the schools would be able to receive new recycling labels for the recycling containers to make people aware of what can go in the containers.

Ms. Jai said yes, free labels is part of Anoka County Business Recycling Assistance Program. In addition, the county works with the schools.

Ms. Jia had a PowerPoint presentation on the 2016 tonnage. Lino Lakes goal was 2049 tons and we only collect 1628.57 tons, which is 79% of our goal. This is the first time Lino Lakes has not made the goal.

One of the problem is that when people recycling container is full they put the recycling into the garbage instead. Would like to see recycling more often than every two weeks.

Organic in 2016 was 183 participants and up to date is now 201 participants.

Ms. Kaufenberg was wondering how we could get the schools involved.

Ms. Jia mentioned that she was over at Columbia Heights school, it is very organized with labeled containers, and staff that will watch and make sure the items are going into the right container.

Ms. Andrzejewski stated the problem at Centennial is that the schools are short staffed so one way for it to work would be to get students involved and staffing the recycling lunchroom containers.

Ms. Jia stated Anoka County will pay for the sorting tables and bins but at this time, the Centennial School District is not interested.

Ms. Andrzejewski thought a survey it would interesting about recycling and have the results available for Earth Day. Such as if, your recycling container is full do you put the recycling in the garbage container. Are you confused about recycling or what to recycling?

Ms. Jia will work on the survey and invited board members to send her suggestions.

C. Community Gardens

Mr. Asleson brought to the board that the American Legion is thinking of making an additional parking lot that will encroach into the community garden area.

Suggestion were to see if the soil in the garden area could be improved.

This will be discuss again at another Environmental Board meeting.

D. Arbor Day

Mr. Asleson mentioned that Lino Lakes Elementary School would not host Arbor Day this year because of the construction going on at the school. He asked Ms. Andrzejewski if Rice Lake Elementary School would be interested and if so he will contact her later about Arbor Day.

E. Earth Day Planning

Mr. Asleson said that there is an Earth Day planning meeting on February 16 at Wargo Nature Center at 2:30pm. Mr. Asleson wanted to know if Mr. Sullivan was interested in going.

The Environmental Board would like to have an Earth Day planning meeting on February 22 at 5:30 at City Hall.

F. Meeting Dates for 2017

The meeting dates were discussed and was decided that December 20 would be a better meeting date than December 29.

Ms. Kaufenberg motioned the approved of the meeting dates for 2017. Ms. Andrzejewski seconded. Approved 5-0

Ms. Kaufenberg would like to have the meeting dates for all events for the year.

7. ADJOURNMENT

Ms. Andrzejewski made a MOTION to adjourn the meeting at 7:51pm. Ms. Kaufenberg supported motion. Motion carried 5 - 0.

Respectfully submitted,
Mary Fogarty
Office Tech 1

**ENVIRONMENTAL BOARD
AGENDA ITEM 6A**

STAFF ORIGINATOR: Marty Asleson, Environmental Coordinator

MEETING DATE: February 22, 2017

REQUEST: Conditional Use Permit for Open and Outdoor Storage for Bald Eagle Erectors (7309 Lake Drive)

APPLICANT: Bald Eagle Erectors
Attn: Dave Bice
7309 Lake Drive
Lino Lakes, MN 55014

OWNER: Same

BACKGROUND

The applicant, Bald Eagle Erectors, owns the 5.45 acre parcel located at 7309 Lake Drive. The request from Bald Eagle Erectors is a request to bring the property into conformance with the open and outside storage requirements of the Light Industrial zoning district through the issuance of a conditional use permit. . The applicant primarily leases the site to Mobile Mini, a company that leases construction trailers and outside storage bins which are stored on site. The applicant is proposing to pave a portion of their property for outdoor storage and install stormwater management upgrades.

Information submitted for City review includes:

- Survey information from Kaskaskia Engineering Group, LLC., dated 12/06/16
- Preliminary Plans and Stormwater specs prepared by Larson Engineering
- Rice Creek Watershed District permit application
- Land use agreement
- Project Description prepared by Pulse Land Group, INC.

HISTORY

The property was originally the offices of Glenn Rehbein Excavating dating back to the early 1970's. The property included offices, shops and exterior storage of equipment and materials used in the everyday activities of the business. Tshchida Excavating followed Rehbein Companies in 1995. In 2001, Diamond Dirt purchased the property, occupied by Kieger Enterprises, a contracting firm that specialized in natural disaster cleanup.

Beaver Landscaping and StoneWest occupied the site as the principal tenants in the mid 2000's. Since the departure of Beaver Landscaping in 2007 the site has been occupied by a number of businesses at any given time.

In February 2000, the City amended the Zoning Ordinance related to outside storage in the LI, Light Industrial Zoning District. While still allowed by conditional use permit, outdoor storage accessory to a permitted use, was further restricted by the current provisions.

At the time of adoption in February 2000, the use at 7309 Lake Drive did not meet requirements of the ordinance. Specifically, the property did not meet the area, screening or the surfacing requirements. Therefore as of February 28, 2000 the property became a legal non-conforming use. The site continued to be used for exterior storage by a number of businesses over the next 10 years. However, records indicate that the storage area was reduced to approximately 1.5 acres by 2010, in effect reducing the non-conformity.

Mini Mobile's use of the site, starting in 2011, greatly expanded the exterior storage use, in violation of the City Zoning Code. In 2013 the City, Mini Mobile and the previous property owner entered into a settlement agreement requiring the site to be brought into full compliance related to outdoor storage by December 31, 2017.

The new owner, Bald Eagle Erectors has applied for a Conditional Use Permit for the purpose of meeting these requirements.

ZONING ANALYSIS

Requirements for CUP

In addition to the administrative requirements of a conditional use permit, the following specific performance standards of Section 1007.120 (9) (e) must also be met:

- (e) Open and outdoor storage (not outdoor sales lots) as an accessory use provided that:
 - 1. The designated storage area shall comply with all building setback requirements for the district. Outside storage is prohibited between the principal structure and any public right-of-way.

Vacated 4th Avenue shall not be treated as a street, but as a rear yard. 4th Avenue still exists as an access ingress/egress for Centennial Middle School and Blue Heron Elementary School, and as a public utility corridor. Fifteen (15) feet shall be provided as measured from the former property/street right of way and 10 feet from the side yard.

- 2. The storage area is landscaped and screened from view of adjacent uses and public rights-of-way via a fence and greenbelt planting strip, in accordance with §1007.043 (17) (f) of this Ordinance.

The property must become compliant per section 1007.043 (17) (f). Currently there is a 6' chain link fence around the south, west, and north boundaries of the property. An 8' wood fence exists along the east section of the property, abutting Lake Drive, which provides screening for the single family homes located to the east. The existing fence abutting Lake Drive has landscaping. The 8' fence is in compliance with the current ordinance. The 6' fence is not in compliance with the current ordinance.

3. The entire storage area is fenced and secured in an appropriate manner.

The site is currently fenced and secured. However staff recommends that the perimeter of the storage area be delineated by fence, curbing or other barrier.

4. The storage area is blacktopped or concrete surfaced, unless an alternative wear-resistant material is determined by the City Engineer to be suitable to control dust and drainage and is specifically approved by the City Council.

The open and outdoor storage area will be blacktopped with 5" bituminous pavement placed in 2 lifts, with 8" base aggregate on top of existing subgrade soil. New concrete apron will be located along the west side of the existing building and wrap half way around the south of the building. The concrete will 6" Portland cement concrete with a 6" base aggregate on top of existing subgrade soil.

5. The storage area does not take up parking space or loading space as required for conformity to this Ordinance and is not located in the front yard.

The storage area is located in the south-west portion of the property. The parking lot is located between Lake Drive and the existing building, where storage is not permitted. The storage area will not have any negative impacts on the existing parking space.

6. The property shall not abut I-35W or I-35E.

The property does not abut I-35W or I-35E.

7. The ratio of storage area to building footprint shall not exceed 2.5:1.

The site is located on 5.45 acres. The existing building footprint is 27,306 SF x 2.5= 68,256 SF of maximum outside storage. The proposed plan designates 65,021 SF of outside storage which falls into the allowed area.

8. All parking, loading and truck staging activities shall occur on site. On-street parking and loading associated with the use is prohibited.

All parking and loading occurs on site. No off street activities are proposed.

9. Storage shall not include material considered hazardous under Federal or State Environmental Law.

Mobile Mini is a company that ships outside storage bins and stores them outside as they are transported in and out of the property. The storage bins are empty and not used to store hazardous materials. Bald Eagle Erectors will be storing job trailers, oxygen and acetylene cages, steel racks, utility trailers and wood bundles on site. All items stored on site must be stored on designed storage area.

SITE PLAN

Staff has concerns regarding additional storage being placed off delineated paved area designated for outdoor storage. Some measures shall be taken to prevent storage being placed off defined storage area, either with a fence, curb and gutter, or bollards.

The open area south of the building cannot be used for storage or parking of any kind. This area should be returned to natural ground cover and have a control measure to insure the space is not used for any other purpose.

Soils

The Site Soils consist of LNA, or Lino A soils. These soils are fine sandy with a rapid permeability. These soils are good for infiltration.

Grading and Stormwater Management.

For Light Industrial Zoning, the maximum impervious surface coverage must be 75% or less of the total lot area. The site design meets that.

New impervious area surface waters flow to the proposed infiltration basin. Rice creek watershed, and our city engineers will verify that the pond is adequate size for the newly created impervious.

Landscape

Open Space other than impervious south of the building

The open area south of the building cannot be used for storage or parking of any kind. This area should be returned to natural ground cover and have a control measure to insure the space is not used for any other purpose.

- A low profile native seed mix should be planted in this area or turf with an irrigation system.

Additionally, some measures shall be taken to prevent storage being placed off defined storage area, either with a fence, curb and gutter, or bollards.

Infiltration Pond/Landscaping

- The pond area subject to periodic wetness should have a mesic prairie mix such as MNDOT 35-641
- Above the area of the pond and extending out into the buffering areas, a dry prairie mix such as MNDOT 35-621 should be used.
- Trees should not be lined up but scattered in the pond area. Evergreens should not be used. A good substitute would be Swamp White Oak.
- Native shrubs should be used for the proposed shrubs. Red twig dogwood and yellow twig dogwood would be a good substitute.
- Screening along 4th avenue has to be an 8 foot 100 % screen fence, plus more plants will be needed. A design must be submitted to meet the zoning code
- The open area south of the building cannot be used for storage or parking of any kind. This area should be returned to natural ground cover and have a control measure to insure the space is not used for any other purpose. A low profile native seed mix should be planted in this area or turf with an irrigation system.

Rare and Unique Environmental Features

There are no Rare and /or unique features on this site, including the Blanding's Turtle Model of Lino Lakes.

Drinking Water Service Management Area (DWSMA)/Aquifer Vulnerability

The site does not fall into the DWSMA Area.

RECOMMENDATION

Recommend project approval with staff and Environmental Board recommendations.

ATTACHMENTS

1. Bald Eagle Erectors Location and Design Features
2. Bald Eagle Erectors Civil Plans



Infiltration Pond

Landscape

New Pavement

7309

7317

4TH AVE

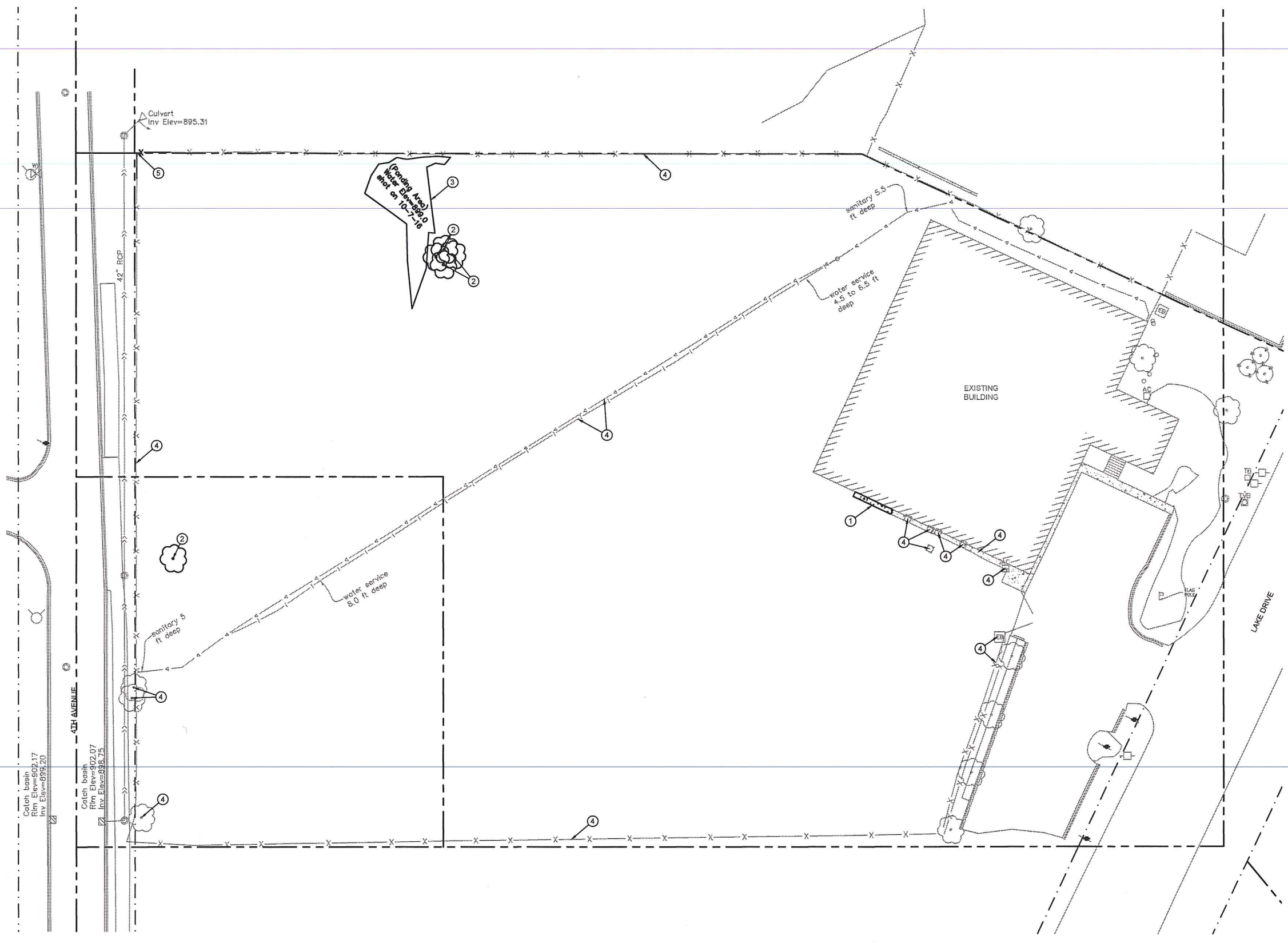
Lake Drive

FORSHAM LAKE DR

426

467

461



SYMBOL LEGEND

REMOVE AND DISPOSE OF EXISTING CONCRETE PAVEMENT SECTION

KEY NOTES

- ① SAWCUT, REMOVE, AND DISPOSE OF EXISTING CONCRETE PAVEMENT SECTION.
- ② REMOVE AND DISPOSE OF EXISTING TREE, STUMP, AND ROOTS.
- ③ REMOVE AND DISPOSE OF EXISTING ROCK AND BRUSH FROM EXISTING POND.
- ④ PROTECT EXISTING UTILITIES, BOLLARDS, TREES, BUILDING, CONCRETE, FENCE, ETC. DURING DEMOLITION AND CONSTRUCTION.
- ⑤ REMOVE AND SALVAGE EXISTING FENCE FABRIC AND POSTS. REINSTALL BEFORE CONSTRUCTION COMPLETION.

DEMOLITION NOTES

1. Verify all existing utility locations.
2. It is the responsibility of the Contractor to perform or coordinate all necessary utility demolitions and relocations from existing utility locations to all onsite amenities and buildings. These connections include, but are not limited to, water, sanitary sewer, cable tv, telephone, gas, electric, site lighting, etc.
3. Prior to beginning work, contact Gopher State Onecall (651-454-0002) to locate utilities throughout the area under construction. The Contractor shall retain the services of a private utility locator to locate the private utilities.
4. Sawcut along edges of pavements, sidewalks, and curbs to remain.
5. All construction shall be performed in accordance with state and local standard specifications for construction.

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BALD EAGLE ERECTORS
 7309 LAKE DRIVE
 CIRCLE PINES, MN 55014

2017 OUTSIDE STORAGE CUP
 7309 LAKE DRIVE
 CIRCLE PINES, MN 55014

I hereby certify that this plan, specifications 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.

Matt Woodruff, P.E.
 Date: 01.11.17 Reg. No.: 41885

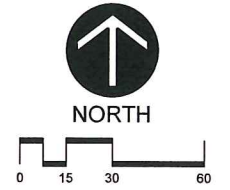
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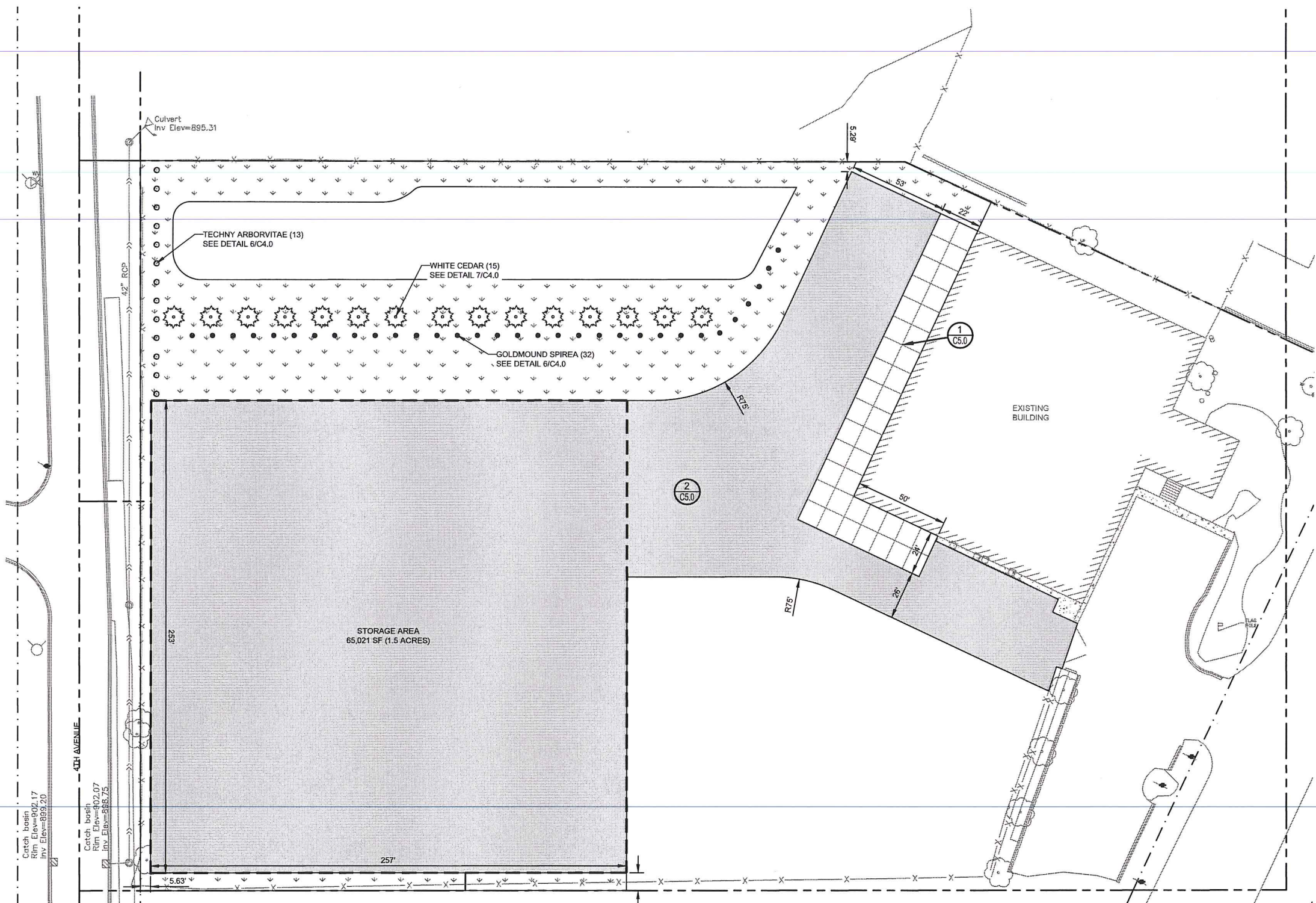
Project #: 12176003.000
 Drawn By: NJN
 Checked By: MJW
 Issue Date: 01.11.2017
 Sheet Title:

DEMOLITION PLAN







C1.0

PRELIMINARY NOT FOR CONSTRUCTION - CUP APPLICATION





SYMBOL LEGEND

-  NEW 5" BITUMINOUS PAVEMENT OVER NEW 8" BASE AGGREGATE SEE DETAIL 2/C4.0
-  NEW 6" CONCRETE PAVEMENT OVER NEW 6" BASE AGGREGATE SEE DETAIL 1/C4.0
-  NEW SEED MNDOT SEED MIX: 33-261
-  TECHNYP ARBORVITAE SEE DETAIL 6/C4.0
-  GOLDMOUND SPIREA SEE DETAIL 6/C4.0
-  WHITE CEDAR SEE DETAIL 7/C4.0

AREA CALCULATIONS

ENTIRE SITE: 237,227 SF

EXISTING:
 IMPERVIOUS = 44,092 SF (18.6%)
 PERVIOUS = 193,135 SF (81.4%)

PROPOSED:
 IMPERVIOUS = 136,581 SF (57.6%)
 PERVIOUS = 100,646 SF (42.4%)

INCREASE IN IMPERVIOUS = +92,489 SF

LANDSCAPE CALCULATIONS

OPEN AREA = 30,356 SF

REQUIRED TREES = 15 LARGE

REQUIRED SHRUBS = 45 LARGE

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PRELIMINARY NOT FOR CONSTRUCTION - CUP APPLICATION

2017 OUTSIDE STORAGE CUP
 7309 LAKE DRIVE
 CIRCLE PINES, MN 55014

I hereby certify that this plan, specifications 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.

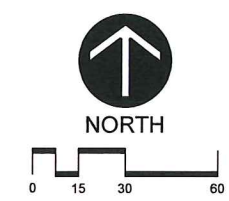
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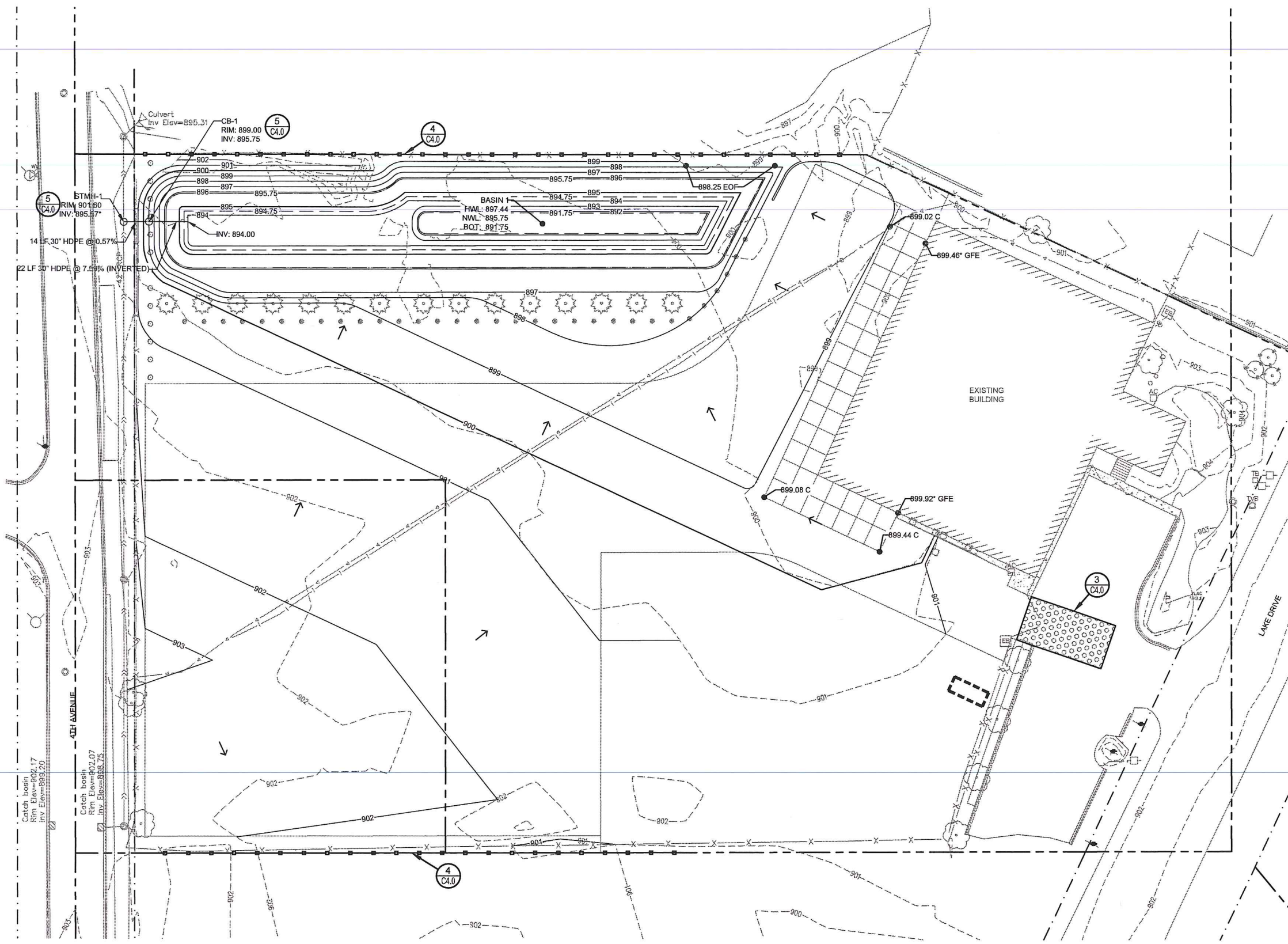
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Project #: 12176003.000
 Drawn By: NJN
 Checked By: MJW
 Issue Date: 01.11.2017
 Sheet Title:

PAVING AND LANDSCAPE PLAN

C2.0





LEGEND

- 950 --- EXISTING CONTOURS
- 950 --- PROPOSED CONTOURS - MAJOR INTERVAL
- 948 --- PROPOSED CONTOURS - MINOR INTERVAL
- - - - - GRADE BREAK LINE
- 2.0% GRADE SLOPE
- SILT FENCE
- RIP-RAP / ROCK CONST. ENTRANCE
- INLET PROTECTION
- CONCRETE WASHOUT STATION
- SPOT ABBREVIATIONS:
- TC - TOP OF CURB
- GL - GUTTER LINE
- B - BITUMUNOUS
- C - CONCRETE
- EO - EMERGENCY OVERFLOW
- TW - TOP OF WALL
- BW - BOTTOM OF WALL (F/G)
- (*) - EXISTING TO BE VERIFIED
- STORM SEWER PIPE
- DRAIN TILE PIPE
- STORM MANHOLE
- CATCH BASIN
- CURB INLET
- ▲ FLARED END

GRADING NOTES

1. Tree protection consisting of snow fence or safety fence installed at the drip line shall be in place prior to beginning any grading or demolition work at the site.
2. All elevations with an asterisk (*) shall be field verified. If elevations vary significantly, notify the Engineer for further instructions.
3. Grades shown in paved areas represent finish elevation.
4. Restore all disturbed areas with 4" of good quality topsoil and seed.
5. All construction shall be performed in accordance with state and local standard specifications for construction.

EROSION CONTROL NOTES

1. See Erosion Control Notes on Sheet C4.0.

UTILITY NOTES

1. See Utility Notes on Sheet C4.0.

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BALD EAGLE ERECTORS
 7309 LAKE DRIVE
 CIRCLE PINES, MN 55014

Client: BALD EAGLE ERECTORS
 Project Title: 2017 OUTSIDE STORAGE CUP
 PRELIMINARY NOT FOR CONSTRUCTION - CUP APPLICATION

I hereby certify that this plan, specifications 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.

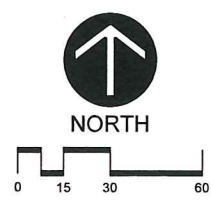
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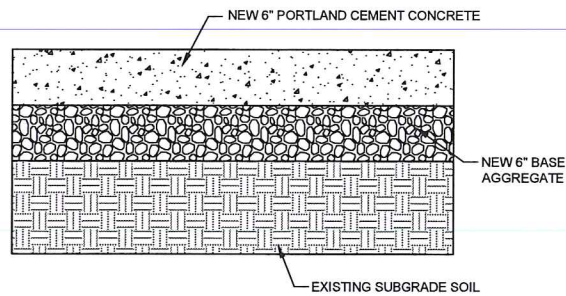
Rev.	Date	Description

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 Sheet Title:

GRADING,
 EROSION CONTROL,
 AND UTILITY PLAN

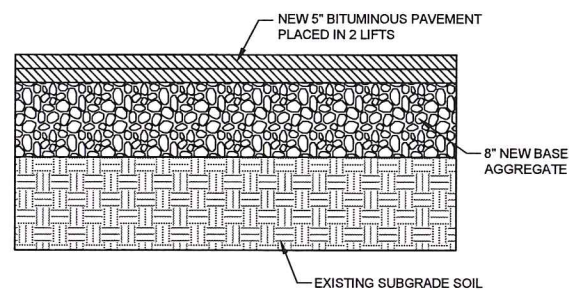
C3.0





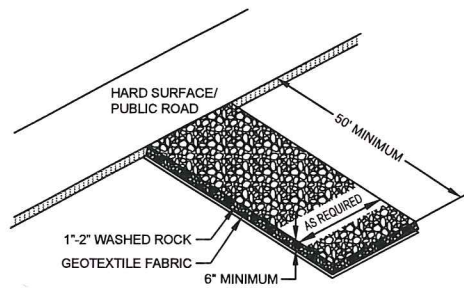
CONCRETE CONSTRUCTION DETAIL

1
C4.0
NOT TO SCALE



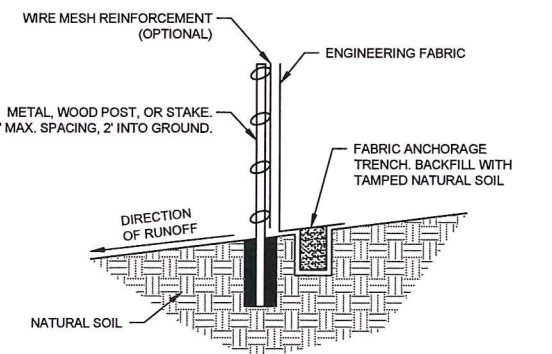
BITUMINOUS CONSTRUCTION DETAIL

2
C4.0
NOT TO SCALE



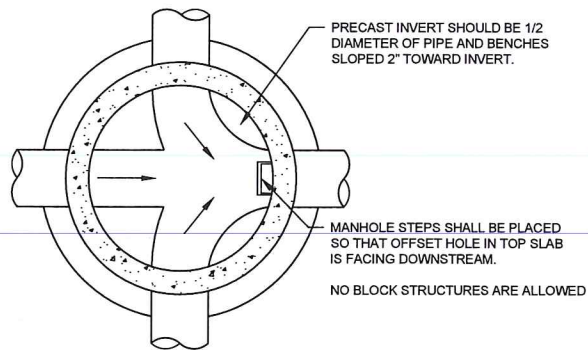
ROCK CONSTRUCTION ENTRANCE

3
C4.0
NOT TO SCALE

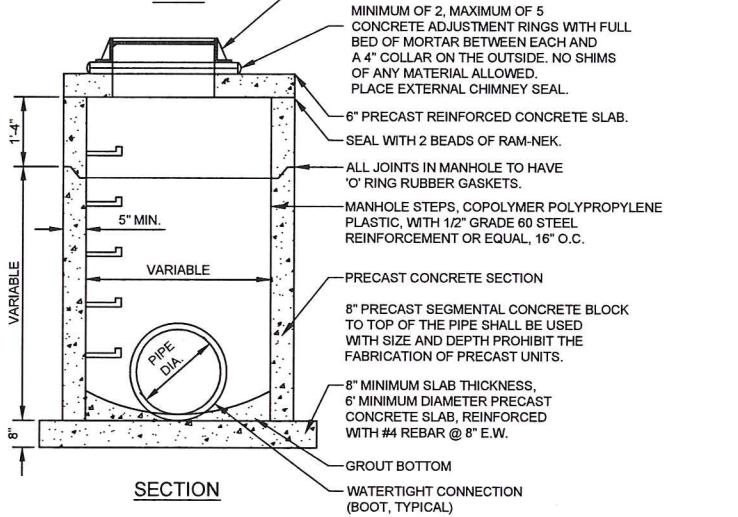


SILT FENCE INSTALLATION DETAIL

4
C4.0
NOT TO SCALE



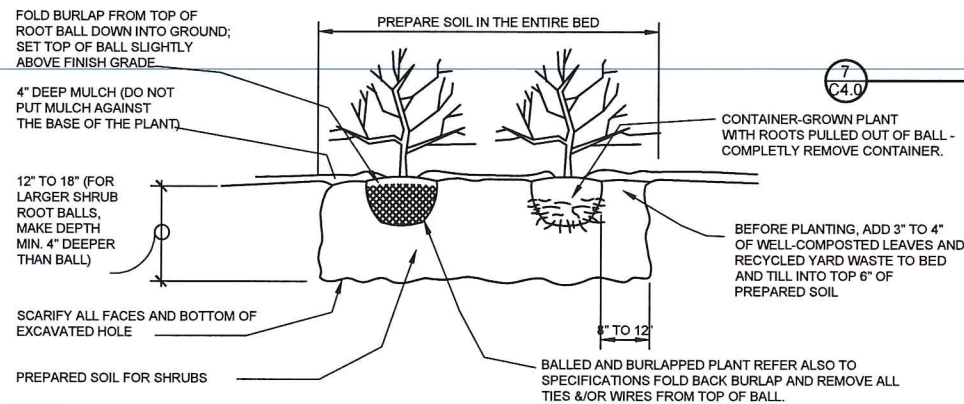
PLAN



SECTION

CB AND STORM MANHOLE DETAIL

5
C4.0
NOT TO SCALE

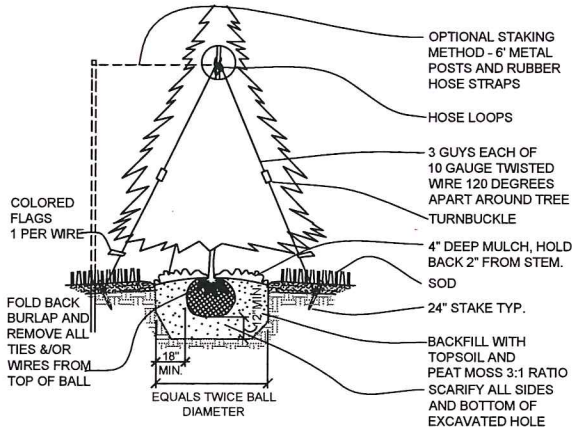


SHRUB PLANTING

6
C4.0
NOT TO SCALE

UTILITY NOTES

- It is the responsibility of the contractor to perform or coordinate all necessary utility connections and relocations from existing utility locations to the proposed building, as well as to all onsite amenities. These connections include but are not limited to water, sanitary sewer, cable TV, telephone, gas, electric, site lighting, etc.
- All service connections shall be performed in accordance with state and local standard specifications for construction. Utility connections (sanitary sewer, watermain, and storm sewer) may require a permit from the City.
- The contractor shall verify the elevations at proposed connections to existing utilities prior to any demolition or excavation.
- The contractor shall notify all appropriate engineering departments and utility companies 72 hours prior to construction. All necessary precautions shall be made to avoid damage to existing utilities.
- Storm sewer requires testing in accordance with Minnesota plumbing code 4714.1109 where located within 10 feet of waterlines or the building.
- HDPE storm sewer piping shall meet ASTM F2306 and fittings shall meet ASTM D3212 joint pressure test. Installation shall meet ASTM C2321.
- All RCP pipe shown on the plans shall be MN/DOT class 3.
- Maintain a minimum of 7 1/2' of cover over all water lines and sanitary sewer lines. Install water lines 18" above sanitary sewers, where the sanitary sewer crosses over the water line, install sewer piping of materials equal to watermain standards for 9 feet on both sides and maintain 18" of separation.
- Where 7 1/2' of cover is not provided over sanitary sewer and water lines, install 2" rigid polystyrene insulation (MN/DOT 3760) with a thermal resistance of at least 5 and a compressive strength of at least 25 psi. Insulation shall be 8" wide, centered over pipe with 6" sand cushion between pipe and insulation. Where depth is less than 5', use 4" of insulation.
- All watermain piping shall be class 52 ductile iron pipe unless noted otherwise.
- See Project Specifications for bedding requirements.
- Pressure test and disinfect all new watermains in accordance with state and local requirements.
- Sanitary sewer piping shall be PVC, SDR-35 for depths less than 12', PVC SDR-26 for depths between 12' and 26', and class 52 D.I.P. for depths of 26' or more.
- A structure adjustment shall include removing and salvaging the existing casting assembly, removing existing concrete rings to the precast section. Install new rings and salvaged casting to proposed grades, cleaning casting flange by mechanical means to insure a sound surface and install an external chimney seal from casting to precast section. Chimney seals shall be Infi-Shield Uni-Band or an approved equal.



WHITE CEDAR PLANTING DETAIL

7
C4.0
NO SCALE

EROSION CONTROL NOTES

- Owner and Contractor shall obtain MPCA-NPDES permit. Contractor shall be responsible for all fees pertaining to this permit. The SWPPP shall be kept onsite at all times.
- Install temporary erosion control measures (inlet protection, silt fence, and rock construction entrances) prior to beginning any excavation or demolition work at the site.
- Erosion control measures shown on the erosion control plan are the absolute minimum. The contractor shall install temporary earth dikes, sediment traps or basins, additional siltation fencing, and/or disk the soil parallel to the contours as deemed necessary to further control erosion. All changes shall be recorded in the SWPPP.
- All construction site entrances shall be surfaced with crushed rock across the entire width of the entrance and from the entrance to a point 50' into the construction zone.
- The toe of the silt fence shall be trenched in a minimum of 6". The trench backfill shall be compacted with a vibratory plate compactor.
- All grading operations shall be conducted in a manner to minimize the potential for site erosion. Sediment control practices must be established on all down gradient perimeters before any up gradient land disturbing activities begin.
- All exposed soil areas must be stabilized as soon as possible to limit soil erosion but in no case later than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased. Temporary stockpiles without significant silt, clay or organic components (e.g., clean aggregate stockpiles, demolition concrete stockpiles, sand stockpiles) and the constructed base components of roads, parking lots and similar surfaces are exempt from this requirement.
- The normal wetted perimeter of any temporary or permanent drainage ditch or swale that drains water from any portion of the construction site, or diverts water around the site, must be stabilized within 200 lineal feet from the property edge, or from the point of discharge into any surface water. Stabilization of the last 200 lineal feet must be completed within 24 hours after connecting to a surface water. Stabilization of the remaining portions of any temporary or permanent ditches or swales must be complete within 14 days after connecting to a surface water and construction in that portion of the ditch has temporarily or permanently ceased.
- Pipe outlets must be provided with energy dissipation within 24 hours of connection to surface water.
- All riprap shall be installed with a filter material or soil separation fabric and comply with the Minnesota Department of Transportation Standard Specifications.
- All storm sewers discharging into wetlands or water bodies shall outlet at or below the normal water level of the respective wetland or water body at an elevation where the downstream slope is 1 percent or flatter. The normal water level shall be the invert elevation of the outlet of the wetland or water body.
- All storm sewer catch basins not needed for site drainage during construction shall be covered to prevent runoff from entering the storm sewer system. Catch basins necessary for site drainage during construction shall be provided with inlet protection.
- In areas where concentrated flows occur (such as swales and areas in front of storm catch basins and intakes) the erosion control facilities shall be backed by stabilization structure to protect those facilities from the concentrated flows.
- Inspect the construction site once every seven days during active construction and within 24 hours after a rainfall event greater than 0.5 inches in 24 hours. All inspections shall be recorded in the SWPPP.
- All silt fences must be repaired, replaced, or supplemented when they become nonfunctional or the sediment reaches 1/3 of the height of the fence. These repairs must be made within 24 hours of discovery, or as soon as field conditions allow access. All repairs shall be recorded in the SWPPP.
- If sediment escapes the construction site, off-site accumulations of sediment must be removed in a manner and at a frequency sufficient to minimize off-site impacts.
- All soils tracked onto pavement shall be removed daily.
- All infiltration areas must be inspected to ensure that no sediment from ongoing construction activity is reaching the infiltration area and these areas are protected from compaction due to construction equipment driving across the infiltration area.
- Temporary soil stockpiles must have silt fence or other effective sediment controls, and cannot be placed in surface waters, including stormwater conveyances such as curb and gutter systems, or conduits and ditches unless there is a bypass in place for the stormwater.
- Collected sediment, asphalt and concrete millings, floating debris, paper, plastic, fabric, construction and demolition debris and other wastes must be disposed of properly and must comply with MPCA disposal requirements.
- Oil, gasoline, paint and any hazardous substances must be properly stored, including secondary containment, to prevent spills, leaks or other discharge. Restricted access to storage areas must be provided to prevent vandalism. Storage and disposal of hazardous waste must be in compliance with MPCA regulations.
- External washing of trucks and other construction vehicles must be limited to a defined area of the site. Runoff must be contained and waste properly disposed of. No engine degreasing is allowed onsite.
- All liquid and solid wastes generated by concrete washout operations must be contained in a leak-proof containment facility or impermeable liner. A compacted clay liner that does not allow washout liquids to enter ground water is considered an impermeable liner. The liquid and solid wastes must not contact the ground, and there must not be runoff from the concrete washout operations or areas. Liquid and solid wastes must be disposed of properly and in compliance with MPCA regulations. A sign must be installed adjacent to each washout facility to inform concrete equipment operators to utilize the proper facilities.
- Upon completion of the project and stabilization of all graded areas, all temporary erosion control facilities (silt fences, hay bales, etc.) shall be removed from the site.
- All permanent sedimentation basins must be restored to their design condition immediately following stabilization of the site.
- Contractor shall submit Notice of Termination for MPCA-NPDES permit within 30 days after Final Stabilization.

PRELIMINARY NOT FOR CONSTRUCTION - CUP APPLICATION

Larson Engineering, Inc.
3524 Labore Road
White Bear Lake, MN 55110
651.481.9120 (f) 651.481.9201
www.larsonengr.com

BALD EAGLE ERECTORS
7309 LAKE DRIVE
CIRCLE PINES, MN 55014

2017 OUTSIDE STORAGE CUP
7309 LAKE DRIVE
CIRCLE PINES, MN 55014

I hereby certify that this plan, specifications 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.

Matt Woodruff, P.E.
Date: 01.11.17 Reg. No.: 41885

Rev.	Date	Description

Project #: 12176003.000
Drawn By: NJN
Checked By: MJW
Issue Date: 01.11.2017
Sheet Title:

DETAILS & NOTES

C4.0

**ENVIRONMENTAL BOARD
AGENDA ITEM 5C**

STAFF ORIGINATOR: Marty Asleson
ENV. BD. MEETING DATE: February 17, 2017
REQUEST: Discussion Item – Event Dates for 2017
APPLICANT: Not applicable
REVIEW DEADLINE: Not applicable

BACKGROUND

Environmental Board takes part in other community events and those events are listed below for 2017:

February 25, Sat.	Blue Heron work	9:00am	Peltier Island
April 22, Sat.	Earth Day	12:30 – 2:30pm	Wargo Nature Ct
April 28, Friday	Arbor Day	?	Rice Lake Elem
May 6, Sat.	Annual City Recycling	9am-2pm	1189 Main St
August 19, Sat.	Blue Heron Parade	11am ?	Target Pk Lot

RECOMMENDATION

None

ATTACHMENTS

None