

Item 7b.**Sunfish Lake Engineer's Report for June 1, 2021**

By: Jeff Sandberg, PE
City Engineer

Date: May 26, 2021

1. Engineering Activities Undertaken in the Month of May

The following Engineer's Report reflects the Engineering activities undertaken this past month.

- A. 2021 Capital Improvement Projects – The Ad-For-Bids were placed for the four projects and published twice.
- B. Dakota County 2040 Traffic Analysis – Staff participated in a discussion with Dakota County, MnDOT, and other area cities on developing a Request for Proposals for a consultant to update the County traffic analysis for 2040.
- C. City Lake Pumping – Water was not flowing from any of the City lakes; therefore, no lake pumping was permitted in May.

2. Building and Site Reviews in the Month of May

A. Staff conducted reviews for the following properties in May:

- 1 Sunfish Lane: Slope Stabilization request. SEE ATTACHMENT 2A.
- 2 Sunfish Lane: Staff corresponded with the homeowner's representative regarding their pending application for water pumping for irrigation. The applicant elected to rescind their application for 2021.
- 2 Sunfish Lane: Staff is reviewing the As-Built survey to ensure the improvements were installed per the approved plans.
- 100 Windy Hill Road: Staff participated in a site meeting with the applicants and their consultants. No formal application has been received at this time.
- 2150 Charlton Road: The as-built survey was approved for this property.

3. Public Works Activities Undertaken in the Month of May

- A. City Streets were swept the week of 5/17.
- B. A quote of \$500 was received for vacuuming out sediment from two catchbasins on Charlton Road. This is the same amount paid last year to the same contractor.

4. Anticipated Engineering/Public Works Activities for the Month of June

- A. Bid opening of the 2021 Street Improvements Projects will occur on June 15th.

The above constitutes the Engineering Report for the City of Sunfish Lake for June 1, 2021.

Respectfully submitted,



Jeffry S. Sandberg, PE
City Engineer

ITEM 7b. ATTACHMENT 2A.



Memorandum

To: Honorable Mayor and City Council
City of Sunfish Lake

From: Jeff Sandberg, PE
City Engineer

Date: May 26, 2021

Re: 1 Sunfish Lane Slope Restoration Application
City of Sunfish Lake, MN

INTRODUCTION

Staff has received an application from the homeowner at 1 Sunfish Lane to do slope restoration work on his property that fronts Sunfish Lake.

DISCUSSION

Staff has met with the property owner a number of times, most recently the week of May 17th, to review his proposal for slope restoration of his property that fronts Sunfish Lake. Because of the sensitive nature of the issue of vegetation management of properties that abut the lake, staff is bringing this issue to the attention of the City Council.

The property in question has had a home under construction for the last year and a half that is generally complete. The property owner, John Johannson, is doing finish grading and landscaping prior to seeding and sodding disturbed areas. Mr. Johannson replaced a dilapidated permanent platform/ deck on the lakeshore last year, and removed failing boulder retaining walls in the same area.

Mr. Johannson originally wanted to replace the boulder walls with new boulder walls, but staff encouraged him to consider a "stepped" retainage due to the proximity of the walls to the lake. Mr. Johannson developed the attached plan that incorporates natural stones that would be placed intermittently along the slopes for soil retainage, and the disturbed areas would be restored with native plantings and grasses. At the same time, Mr. Johannson also wants to remove invasive plants on the slope, and is proposing to restore those areas with a native low-to-no maintenance fescue grass. The slopes will have erosion blankets installed to hold the seed in place and to ensure slope stabilization.

The natural stones are of a size that will require mechanical placement with a small tracked bobcat. Staff cautioned Mr. Johannson about limited use of the bobcat in short duration and not within a certain distance to the lake (no closer to the lake than the north edge of the deck that was just completed). Mr. Johannson also indicated a desire to place large stones at the water's edge for shoreline protection. Staff advised Mr. Johannson that a DNR permit may be required and that he should check with them prior to any work that is initiated below the Ordinary High Water Level (OHWL).

In meetings with Mr. Johannson on-site, he has agreed to the following conditions of approval that are offered by city staff:

1. Prior to any shoreline protection, any applicable DNR permits will be obtained by the applicant.
2. Prior to any work, place a layer of mulch around all of the oak tree roots in areas currently not disturbed. Upon project completion, this mulch will be removed and used in other areas of the landscape plan.
3. Prior to any work, silt fence will be properly placed in front of any areas of disturbance.
4. Prior to any work, a floating silt curtain will be properly secured in the water in front of any areas of disturbance to prevent any silt that may make it through the silt fence to go further in to the lake.
5. These erosion controls will be reviewed by staff prior to any work being initiated.
6. The work will be done in phases so as to not have large areas open at any one time.
7. Long term maintenance of the native grasses on the slope will be minimized.
8. City staff will periodically inspect the work and provide direction as necessary to ensure the work is progressing per staff discussions.

CONCLUSION

With the conditions outlined above, staff is supportive of Mr. Johannson's proposed plan for slope restoration. No City Council action is required.

Attachments

