PERMIT

PERMIT MUST BE POSTED AT PROJECT SITE, VISIBLE FROM ROAD

Permit Number 18-24                  Permit Date: 06/26/18

Permit Granted To: Drew
                   Barker
                   Barker Family Revocable Living Trust

Project Address  24293 County Highway 9

City, State, ZIP: Detroit Lakes, MN 56501

Project Type     Replace failing railroad tie retaining wall in the Shore Impact Zone with
                 boulder wall and natural plantings

Permit Granted with the Following Conditions to be Satisfied by the Permit Holder:

1) Approved per Wenck review recommendation, dated April, 30 2018
2) Project will be constructed as shown on approved site plan, prepared by Andy Francis, dated 04/17/2018
3) Project will be constructed as shown on approved Engineered Drawings, prepared by Victory Engineering, dated 04/10/2018
4) Erosion and Sediment Control Best Management Practices will be installed to contain disturbed soils which will not
   be stabilized within 24 hours.

**All measures must conform to other applicable Zoning and Shoreland Ordinance regulations (Becker County, City of Detroit Lakes, Minnesota Pollution Control Agency, MN Department of Natural Resources)**

This permit is valid for 18 months.

Permit may be revoked at any time upon violation of Pelican River Water Management Rules. Any changes to this site
permit results in nullification of this permit and a new permit will have to be obtained.

Signature of Tera Guetter, District Administrator
PERMIT APPLICATION FORM

Property Owner(s): [Name]
Mailing Address: [Address]
Phone: [Phone]  Cell: [Cell]
Email: [Email]  Project Address: [Project Address]
Parcel ID Number(s): [Parcel ID]

Permit should be sent to: Mailing Address  Contractor  Call to pick up  Phone: [Phone]

Contractor Information (list all)
Name: [Andy Francis]
Company: Andy Francis Landscapes & Grass LLC
Address: 1234 S说明了关于项目目的的详细信息，包括对许可证的申请以及相关表格的填写。

PROJECT INFORMATION

PERMIT APPLICATION PURPOSE (indicate all which apply)

- A. Alteration to land, vegetation, and/or impervious surface within the Shore Impact Zone
- B. Rip-rap or beach sand blanket (installation, repair, replacement)
- C. Alteration to land, vegetation, and/or impervious surface within bluff impact zone or on steep slopes within the Shoreland District.

F. Subdivisions, plats, or Planned Unit Developments (PUD’s)
G. Highway, road, street, parking lot or public water access (new or reconstruction)
H. Bridges, culverts, inlets to waters of the state; storm sewers (new or replacement)
I. Groundwater Dewatering

Project Purpose/Description: (Please be specific)

Lake Name (if applicable): [Lake Name]

Replace wood retaining wall in shore impact zone with boulder walls, natural vegetation buffers & water retention areas, also Rip-Rap in front of sand area, but the rest of Shoreline will be staked with corn rows to prevent erosion. Installing new steps

Proposed start date:  Proposed completion date:  ________

ADDITIONAL PERMITS

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If variances are required, the approved conditions need to be included for permit approval.

*Additional permits may be required in addition to Pelican River Watershed District Permit
Please attach copies of all permits and variances received

*Continue to page 2 for signature and permit application checklist
PERMIT APPLICATION SUBMISSION CHECKLIST

☐ Completed permit application, signed by the Property Owner, or authorized signatory
☐ Duplicates of all drawings, site plans, erosion prevention and sediment control plans, maintenance plans, and other information as per the District Engineer Technical Memo dated July 14, 2016.
☐ Application and Field inspection fees according to the most recent schedule
☐ Project location map

TERMS OF THE PERMIT

Applying for a permit issued through the Pelican River Watershed District (PRWD) in no way precludes obligation for permit application that may be required through OTHER governmental agencies. Any work performed prior to obtaining all required authorizations may be subject to Federal, State and/or administrative, civil, and/or criminal penalties. No liability shall be imposed on the District or any of its officers, agents or employees on official or personal grounds, on account of the granting of this permit, on account of any damage to any person or property resulting from any act or omission of the Permittee or any of its agents, employees or contractors relating to any matter hereunder. This permit shall not be construed as limiting any legal claim or right of action of the District against the Permittee, its agents, employees or contractors for the violation of, or failure to comply, with the provisions of the permit or applicable provisions of law.

When all items have been satisfactorily completed and the District determines the project meets the District’s Rule requirement, this permit will be issued. The permit may be picked up at the District office, or it will be mailed to the designated address. A copy of the approved permit will be sent to the applicable local governmental entity (Becker or Ottertail County, City of Detroit Lakes Zoning departments).

The permit will be valid for eighteen (18) months from the date of issuance, unless otherwise suspended or revoked. A permit may be extended at no charge, provided the property owner notifies the District in writing stating the reasons for extension. Any plan changes, and related project documents must also be included in the extension application. The District must receive the extension application at least thirty (30) day prior to the permit’s expiration date as issued.

If changes are made to the permitted plans for this project, changes must be submitted to the District (in duplicate form) for review prior to installation or completion occurs. If changes to the original (permitted) plans are approved, an amended permit will then be issued.

This permit may be terminated by the Board of Managers without notice at any time deemed necessary for the management of the water resources of the District, or in the interest of public health and welfare, or for violation of any of the provision of this permit.

A permit surety may be required of the permit holder or applicant. A surety is a monetary sum (an amount set by the Board of Managers, District staff and/or the District engineer after review of the project application or approved permit) provided by the applicant/permittee to the District to ensure the project is completed as designed and in compliance with District Rules. The District returns the money to the applicant/permittee after all permit conditions are met and the project is complete. If the District requires a surety, the applicant/permittee must provide the District the surety amount in the form of a check made out to the Pelican River Watershed District, or a Performance Bond, or Letter of Credit.

PERMIT APPLICATION AGREEMENT

"I understand that, as a Permittee, I am legally accountable to ensure compliance with the terms and conditions of the permit. I understand that I am not authorized to begin the project until I received the permit and the permit is posted as directed on the project site. If the project is modified, I will obtain approval by the District before I continue with the project. I authorize the District, and its agents, employees, officers, and contractors to enter the project site to perform any inspection or work authorized by the permit or any applicable law."

"I certify that I have thoroughly read and understand the information on this permit application, including submittal requirements."

Signature: ___________________________ Date: 3/5/18

(Property owner, or authorized signature through letter of authority)

Permit Number 18 - 24

ACTION BY THE PELICAN RIVER WATERSHED DISTRICT

The above application is APPROVED / DISAPPROVED this 28 day of June, 2018, by the Pelican River Watershed District.

By: ___________________________

Its: ___________________________
PROPOSED BOULDER RETAINING WALLS
14998 EAST MUNSON LAKE
DETROIT LAKES, MINNESOTA

GENERAL NOTES

1. In preparation of wall design, soil strength parameters were assumed, based on a review of US Geologic Survey soil maps of the project area. It is the responsibility of the owner or owner's representative to verify the soil strength parameters are representative of the soils available for wall construction. If the soil strength parameters are found to be inconsistent with those assumed, this design is no longer valid and it is the responsibility of the owner or owner's representative to notify VEC so the retaining wall system can be redesigned. Failure to notify VEC may result in failure of the retaining wall.

2. Design Soil Parameters:
   a. Retained soil: Imported/on-site sand soils, phi = 31 degrees, gamma = 125pcf.
   b. Foundation soil: Imported/on-site sand soils, phi = 31 degrees, gamma = 125pcf.

3. Any excavation performed below the foundation grade of the wall should have proper lateral oversizing. Excavation oversizing should be measured from the front to the back of the lowest boulder.

4. This set of boulder retaining wall plans are based on the site grading plan, Andy Francis Landscaping And Construction, LLC, e-mailed to VEC on 3/6/17. If other plans are produced that contain different information than that referenced, this plan may need to be revised and/or the wall may need to be redesigned.

5. Location of the boulder retaining walls in relation to property lines, utility easements, watershed easements, or any other type of easements are the responsibility of the owner. VEC assumes no liability for the location of the boulder retaining walls, or if construction of the proposed boulder retaining walls encroach any property lines or easements.

6. It is imperative that the site surveying of the boulder retaining walls be based on the plans referenced above and not profile plans prepared by VEC. Surveying of the boulder retaining walls must take into account the design batter indicated on the enclosed plans and details. Failure to take into account wall batter for the boulder retaining wall surveying will produce incorrect locations of all top of wall and shall be corrected at no cost to VEC.

7. Wall geometry, locations, slopes and surcharge loads for the boulder retaining walls were assumed from the project plans referenced above. If conditions vary greatly in the field from those shown on this plan, VEC must be notified prior to construction of the boulder retaining walls to review the design and/or plans. Modifications to the design and/or plans may be required after the review, and may take up to ten business days to complete.

8. Please refer to any project specifications for additional information. If there are discrepancies between any information on these plans and information in the project specifications, the more restrictive information takes precedence.
NOTES

(1) Grades shown are approximate and may vary in the field.

LEGEND

- MCRAE CROSS SECTION TO
- MCRAE CROSS SECTION TO

SCALE: 1" = 6'

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LEGEND

- MCRAE CROSS SECTION TO
- MCRAE CROSS SECTION TO

SCALE: 1" = 6'
NOTE: All boulder shapes shown are for detailing purposes only. Actual boulder shapes may vary greatly in the field. Boulder sizes shown are minimum depth of the boulder, and the depths shown in the cross-sections should be considered minimum depths into the slope (perpendicular to the wall face). Boulder heights may vary.