PERMIT

PERMIT MUST BE POSTED AT PROJECT SITE, VISIBLE FROM ROAD

Permit Number: 16-33 Permit Date: 06/30/16

Permit Granted To: David Ferryman

Project Address: 25449 Englewood Drive

City, State, ZIP: Detroit Lakes, MN 56501

Project Type: Shore Impact Zone Alteration: Repair shoreline ice damage, repair rip-rap, install beach sand blanket

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

1) Erosion and Sediment Control Best Management Practices will be installed to contain any disturbed soils which will not be stabilized within 24 hours.
2) A 6-inch ice pressure ridge (berm) will be preserved parallel to the shoreline as shown on PRWD sketch, dated 6.30.16.
3) Rip-rap will be installed following MN DNR guidelines.
4) Retaining wall construction will not occur in the Shore Impact Zone

**Install according to Becker County or Detroit Lakes Shoreland Ordinance and Planning and Zoning regulations, and State of 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): David Ferryman
Mailing Address: 541 S. Sleight St. Naperville, IL 60540
Phone: 630-470-9018 Cell: 708-341-9209
Email: david.ferryman@cn.ca
Project Address: 25449 Englewood Dr. Detroit Lakes MN 56501
Parcel ID Number(s): 080865000

Permit should be sent to: Mailing Address ✗ Contractor Call to meet at Residence

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.

✗ D. Retaining wall (installation, repair or replacement within the Shore and/or Bluff Impact Zones

✗ E. Impervious surface (cumulative) coverage

✗ 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): Floyd

Repair Damage from Ice Jamming by resloping shoreline back to natural slope and secure with replacement of stone rip rap. New sand area behind rip rap with retaining wall. Shrub above rip rap on East & West End of shore.

Proposed start date: 07-09-2016 Proposed completion date: 07-21-2016

ADDITIONAL PERMITS

City of Detroit Lakes Permit Required Permit Received Variance needed
Becker County Permit Required Permit Received Variance needed
Minnesota DNR Permit Required Permit Received
Minnesota PCA Permit Required Permit Received

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
PERMIT APPLICATION SUBMISSION REQUIREMENTS

1. Completed permit application, signed by the Property Owner, or authorized signatory
2. Duplicates of all drawings, site plans, and other required documents.
3. Application and Field inspection fees according to the most recent schedule
4. Street map indicating project location

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 Permitee 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 Permitee, 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 faxed 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.

PERMIT APPLICATION AGREEMENT

"I understand that, as a Permitee, 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: 6-8-2016
(Property owner, or authorized signature through letter of authority)

ACTION BY THE PELICAN RIVER WATERSHED DISTRICT

The above application is APPROVED / DISAPPROVED this 30th day of June, 2016, by the Pelican River Watershed District

By: _______________
Its: Administrator
Landowner: David Ferryman
Contractor: Majestic Concrete and Landscaping, Bob
Project Address: 25449 Englewood Drive    PIN: 080865000
Site Visit Date: 06/24/2016
Parties Present During visit: Bob – Majestic Concrete and Landscaping

I met with the contractor at 25449 Englewood Drive on Floyd Lake to discuss a permit application for a Shore Impact Zone alteration, sand beach blanket installation, and retaining wall construction. During the meeting we discussed that site plan, PRWD rules and Becker County zoning ordinance with regards to retaining walls in the Shore Impact Zone and why it will not be able to be permitted. Ice Pressure ridge alterations are only allowed to repair previous year ice damage and can only be modified to the pre-existing conditions.

The approved project be as follows: Shoreline ice damage will be repaired while maintaining an ice pressure ridge of at least 6 inches high. Rip-rap will be repaired following MN DNR guidelines utilizing non-woven filter fabric behind the rock. A sand beach blanket is allowed up to 50 feet wide, 10 feet deep, and 6 inches thick. Sand will be located behind the ice pressure ridge and will not extend into the lake.

The permit is approved with the following conditions.

1. Erosion and Sediment Control Best Management Practices will be install to contain and disturbed soils which will not be stabilized within 24 hours.
2. A 6-inch ice pressure ridge will be preserved as shown on PRWD sketch, dated 6.30.16
3. Rip-rap will be installed following MN DNR guidelines
4. Retaining wall construction will not occur in the Shore Impact Zone

Brent Alcott | Assistant Administrator
Project Site Plan

Overhead View

Maintain 6" Ice-Pressure ridge

Repair Rip-Rap

Typical Shoreline Cross-section
Install erosion control (straw wattles)
Flow
J-6 inches
Maintain at least 6" beam along shoreline (Ice Pressure Ridge)
Install non-woven filter fabric behind rock

Sand Blanket Cross-section
Sand (washed)

Scale: 1/4" =

Site Plan Checklist:
- North Arrow
- Impervious Areas (driveways, buildings, etc.)
- Contours or Drainage Arrows
- Existing Vegetation
- Location of Temporary Erosion/Sediment Control measures
- Location of Permanent Stormwater Management Areas
- Location and Distance to Structures
- SIZ setback / Ice Pressure Ridge
- Ordinary High Water Mark