PERMIT

PERMIT MUST BE POSTED AT PROJECT SITE, VISIBLE FROM ROAD

Permit Number: 16-14  Permit Date: May 4, 2016

Permit Granted To: Daniel & Rachel Redig

Project Address: 20416 County Rd. 131

City, Street, Zip: Detroit Lakes, MN 56501

Project Type: Alteration to land in Shore Impact Zone

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

- Follow the approved project plan from homeowner, including removal of woodchips,
  wove landscape fabric and beach sand blanket.
- Re-seed the shoreline area with a Mesic Prairie Seed mix.
- Install biodegradable erosion control fabric and secure.
- Contact Pelican River Watershed District staff for final inspection after project completion.

** Install according to Becker County or City of 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.

Tera Guetter, Pelican River Watershed District Administrator
PERMIT APPLICATION FORM

Property Owner(s): Daniel & Rachael Kreig
Mailing Address: 20416 County Rd 131
Detroit Lakes MN 56501

Phone: 218-850-4527 Cell: __________
Email: doredig@armz.com
Project Address: SAME
Parcel ID Number(s): 08-171, 000

Permit should be sent to: X Mailing Address Contractor __________ Call to pick up Phone: __________

PROJECT INFORMATION

PERMIT APPLICATION PURPOSE (indicate all which apply)

A. Alteration to land, vegetation, and/or impervious surface within the Shore Impact Zone

X 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 more than 25% of lot area 1 acre or greater > 10,000 sq. ft. 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): Big Floyd

More Shallow More Attractive & Cut down on Ice Frost

Proposed start date: Feb 10 Proposed completion date: Apr 15 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 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 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 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: [Signature]
Date: 1-22-16
(Property owner, or authorized signature through letter of authority)

Permit Number 14-14

ACTION BY THE PELICAN RIVER WATERSHED DISTRICT

The above application is APPROVED, DISAPPROVED this [Signature] day of May, 2016, by the Pelican River Watershed District.

By: [Signature]

Its: Administrator
Landowner: Rachel and Daniel Redig  
Contractor: N/A  
Project Address: 20416 County Road 131  
PIN: 071171000  
Site Visit Date: 02/09/2016, 03/21/2016, 03/23/2016  
Parties Present During visit: Dan Redig (02/09/2016)  

I met with the homeowner on February 9th to discuss a permit application to install rip-rap along the shoreline of Floyd Lake. The initial request was to bring rock in over the ice and rip-rap the shoreline in the winter. I explained to Mr. Redig that this was not possible because it would not allow for proper installation of the filter fabric underlayment and the snow-covered conditions of the shoreline would not allow for site inspection included aquatic and terrestrial vegetation condition as well as signs of erosion. Mr. Redig showed me several other properties as an example of what he would like his project to look like. We agreed that I would return after snowmelt to observe shoreline conditions and rip-rap suitability.

I returned to the property on March, 21st to observe the site suitability for a rip-rap shoreline. I observed that there had been several Shore Impact Zone alterations without District permit which violated District Rules. I sent a Stop Work Order to the homeowner outlining the violations and the requirements to bring the property back into compliance. The homeowner consulted with Marsha Watland (Becker SWCD) for planting recommendation for the violation restoration.

Mr. Redig submitted a modified site plan to the District describing the actions that he intends to complete to bring the property into compliance with District Rules. The Stop Work Order will be removed and the Shore Impact Zone Alteration permit will be approved with the amended site plan and the following conditions.

1. Follow the approved project plan received 4/19/2019, including the removal of woodchips, woven landscape fabric, and beach sand.
2. Re-seed the shoreline area with a Mesic Prairie Seed mix.
3. Install biodegradable erosion control fabric (coconut matting) and secure.
4. Contact Pelican River Watershed District staff for final inspection after project completion.

Brent Alcott | Assistant Administrator
Remove wood chip and fabric
- Native seed mix with coconut moss

Remove sand and plastic edging
Pelican River Watershed Board of Managers:

Attached you will find a drawing of our current lakeshore (sincerely apologize for the drawing, I am in no way an artist) and plans that I have spoken with both Brent Alcott and Marsha Watland about to bring our property back into compliance.

As you can see in the drawing, the violations include laying down landscape fabric and cedar mulch as well as removing the “Sand Blanket”. I will be gently removing the sand (without digging into the natural ground) and putting it along the shoreline as allowed by DNR rules, (no more than 6” thick, 50’ wide, and no more than 10’ waterward. I am planning on pulling up the fabric and mulch and lightly scratching the surface with a rake before seeding with a native seed blend. The seed mix that Marsha suggested is called Mesic Prairie and I will be purchasing it from Agaziz Grass Seed, spreading it at the suggested rate and covering the whole area with the coco mat and staking down the biodegradable stakes. This whole area along our “bank” will be done this way, even the parts that weren’t altered prior to last year, we just want to get the whole “bank” into compliance for the betterment of the lake. Our lawn utilizes an irrigation system so it will receive the required 1” or so of required precip per week. The remainder of the maintenance will be followed along the guidelines pointed out including, weeding and no fertilizing unless necessary.

The other notification on the “stop work order” brought up our crushed rock driveway in front of the new garage that was built in 2014. The reason we used crushed rock was due to the fact that we needed to stay under the 25% permeable surface. The way that the driveway was created was part of the blacktop driveway was removed when we installed our new septic system (no drain field just holding tank) so that was already dug up. When the garage dirt work needed to be done, I needed to scrape and level where the garage was going to be and it needed to be built up. I scraped in front of where the garage was going to be and moved the soil to where the garage is now and leveled. When the garage was finished, I leveled where the rock needed to go and added the rock. The rock varies in depth between 3-6” deep on roughly 90% of the driveway and the remaining 10% is 1-3” thick. It does a great job letting the rainwater soak into the ground and I have never seen a puddle, there is nothing impermeable under the rock so it soaks into the ground as if it was a normal grass lot.

Hopefully, this process will take place in the next few weeks and we will get it wrapped up asap so that the new grasses will have plenty of time to establish a good root structure, and serve as the barrier that we were thinking we were creating when we did this work last year. I would like to apologize that we did not look into what we can and cannot do as far as landscaping before we started the process and will do what is necessary to get the property back into compliance with the Pelican River Watershed.

Sincerely,

Dan and Rachel Redig
Top of Hill  Roughly 30' Run top to Lake Bank

- Blue/rye mix present - Will mix native seed and cover with coco mat.
- Covered with landscape fabric & cedar
- 
- Covered with tall grass plantings
- Will remove fabric & match and seed with "mesic prairie sw" native grass mix & cover with coco mat.

100' Lakeshore - West Facing