PERMIT

PERMIT MUST BE POSTED AT PROJECT SITE, VISIBLE FROM ROAD

Permit Number 19-60  Permit Date: 10/31/19

Permit Granted To: Terry & Michelle Maier

Project Address 132 Shorewood Dr.
City, State, ZIP: Detroit Lakes, MN 56501

Project Type Residential stormwater management on property with more than 25% impervious lot coverage.

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

1) Erosion Prevention and Sediment Control Best Management Practices will be installed to stabilize and contain disturbed soils on site.
2) Installation and Maintenance of stormwater management practices per Stormwater Management Plan dated 10/22/2019, prepared by Becker SWCD.

**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):** Jerry & Michelle Maier  
**Mailing Address:** 1085 Villa Lane, Detroit Lakes MN  
**Phone:** 218-289-0488  
**Email:** michelle@teamlab.net  
**Project Address:** 132 Shorewood Dr. DL  
**Parcel ID Number(s):** 49 0870 203 x  
**Permit should be sent to:** x Mailing Address  
**Contractor Information (list all):**  
- **Name:** Gerald F Zirbel  
- **Company:** Zirbel Construction LLC  
- **Address:** 33663 Peder Ln BL  
- **Phone:** 218-841-4242  
**Cell:**  

### PERMIT APPLICATION PURPOSE (indicate all which apply)

- **Small Site Permits**
  - Shore Impact Zone Alterations (including land, impervious surface, and vegetation alterations including Sand Blanket, Rip-Rap, Sidewalk, buildings, tree removal, shoreline plantings or changes, Ice Ridge Repair)
  - Bluff Impact Zone/Steep Slope Alterations within Shoreland District (including land, impervious surface, and vegetation)
  - Retaining Walls within Shore/Bluff Impact Zone
  - Residential Stormwater Management - >25% impervious lot coverage and less than 10,000 ft^2^  
- **Large Site Permits**
  - Residential Stormwater management - greater than 10,000 ft^2^ impervious within Shoreland District
  - Commercial Stormwater Management (>25% impervious lot coverage or >10,000 ft^2^)
  - Stormwater management - Greater than 1 acre impervious surface
  - Stormwater management - Subdivision, Planned Unit Developments (PUD's), Plats, Storage Condos, Developments based upon certified surveys
  - Stormwater management - Changes to, including construction or re-construction, of stormwater infrastructure, private or public highways, roads, streets, parking lots, Public Water Access, bridges, culverts, and inlets to Waters of the State
  - Public Drainage - Becker County Ditch 11-12; 13, 14 - Dredging, filling, diking; culvert, bridge crossings; bark stabilization; channelization; lateral construction or repair; grass, shrub or tree removal within 15.6 feet, snow storage within 50 ft of ditch or lateral

### Project Purpose/Description: (Please be specific)

**Lake Name (if applicable):** Little Detroit  

**Proposed start date:** 11-1-2019  
**Proposed completion date:**

### ADDITIONAL PERMITS

<table>
<thead>
<tr>
<th>City of Detroit Lakes</th>
<th>Becker County</th>
<th>MN DNR; MN PCA; Becker SWCD</th>
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<tbody>
<tr>
<td>Permit REQ'D ☐ RECD ☐</td>
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<td>Variance REQ'D ☐ RECD ☐</td>
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<td>NPDES REQ'D ☐ RECD ☐</td>
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<td>Mitigation REQ'D ☐ RECD ☐</td>
<td>Mitigation REQ'D ☐ RECD ☐</td>
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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 notarized Authorized Agent
☐ Site plan, erosion prevention and sediment control plan, maintenance plans, and other information and calculations (soil borings percolation test results, etc.) as per the District Engineer Technical Memo revised November 7, 2018
☐ Application and Field inspection fees according to the most recent schedule

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: [Signature] Date: 10/28/19
(Property owner, or Authorized Agent signature) Permit Number 19-60

ACTION BY THE PELICAN RIVER WATERSHED DISTRICT

The above application is APPROVED / DISAPPROVED this 31 day of October, 2019, by the Pelican River Watershed District
By: [Signature] Its: Administrator
Maier Residence
132 Shorewood Drive, Detroit Lakes, MN

BMP | Surface Area at Overflow (SF) | Media Surface Area (SF) | PONING DEPTH
--- | --- | --- | ---
infiltration Basin #1 | 1285 | 1285 | 8 inches
infiltration Basin #2 | 585 | 585 | 12 inches
infiltration Basin #3 | 320 | 320 | 12 inches

Impervious Area

<table>
<thead>
<tr>
<th>Impervious</th>
<th>Square Feet</th>
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<tbody>
<tr>
<td>Existing Residence</td>
<td>3,828</td>
</tr>
<tr>
<td>Existing Covered Entry</td>
<td>98</td>
</tr>
<tr>
<td>Proposed Conc Wolts</td>
<td>220</td>
</tr>
<tr>
<td>Proposed Driveway</td>
<td>874</td>
</tr>
<tr>
<td>TOTAL IMPERVIOUS</td>
<td>5,020</td>
</tr>
<tr>
<td>Lot Size</td>
<td>19,069</td>
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<tr>
<td>Impervious Coverage</td>
<td>26.33%</td>
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NOTES:
1. Soil types on the site are 11.5% Rushlake and Hangoa soils, lake beaches, and Aquatic Soil Group A.
2. Typical soil profile: 0 to 7 inches: loamy sand, 7 to 60 inches: gravelly coarse sand
3. Ordinary High Water Elevation = 1,134.3' (NGVD 1929), Minnesota DNR
4. Water elevation = 1,134.41' (NGVD 1929) on October 17, 2019.
5. Depth to water table: 47 inches
6. Soils within the Infiltration Basin areas shall be verified by the contractor.
7. Construction of Infiltration Basins shall be the responsibility of the contractor.

Infiltration Basin Maintenance Notes:
1. Maintenance shall be delegated to the landowner to inspect and maintain the permanent stormwater management BMPs through the life of the improvements to the designed requirements.
2. Inspections and maintenance shall occur twice in the first year and once per year after.
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4. The minimum inspection/maintenance requirements are listed below:
   a. Remove sediment, trash, and debris from catch basins.
   b. Scarify bottom of basin if necessary to ensure that basins drain down within 48 hours.
   c. Restore topsoil and vegetation as necessary.
   d. Remove and replace any dead/diseased vegetation.
5. Snow plowing shall be directed away from infiltration basins and piled a minimum of 10" from top of basin.
6. Records of all inspections and maintenance shall be kept by the owner and copies shall be submitted to permitting agencies immediately upon request.
7. Corrective actions as directed by permitting agencies shall be completed within 14 days of their notification or sooner if required.