PERMIT

PERMIT MUST BE POSTED AT PROJECT SITE, VISIBLE FROM ROAD

Permit Number 17-044  Permit Date: 07/31/17

Permit Granted To:

B & W Properties of DL, LLC

Project Address 1048 West Lake Drive

City, State, ZIP: Detroit Lakes, MN 56501

Project Type Stormwater management for construction of a 6-unit housing development (PUD), site grading, roads consisting of 0.63 acres (27,443 S.F.) impervious surface (2.84-acre site) - 22% impervious in Shoreland District.

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

2) Project and stormwater management practices. Erosion Prevention and Sediment Control Best Management Practices will be constructed and maintained as shown on approved Construction Plans, prepared by APEX Engineering dated 7/28/2017; Sheets 3, 5, 7 revised September 6, 2017; Sheet 6 revised Sept. 11, 2017.
3) Owners/Association are responsible for long-term maintenance of the project as described on Sheet 2 and 3 (revised 9/06/2017) of the approved Construction Plans, prepared by APEX, dated July 28, 2017.
4) Approved PRWD Rule variance per Pelican River Watershed Board of Managers Meeting 9/12/17 to increase of peak discharge on 25- and 100-year storm event for basin #3. See Wenck Engineering Review 16-17, Notes 1 & 2 regarding discharge to adjacent properties.
5) Provide the name, address and phone number of the party responsible for maintenance of all erosion control measures.
6) 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)

**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): B&W Properties of DL, LLC
Mailing Address: PO Box 477
   Detroit Lakes, MN 56502
Phone: 218-847-8976   Cell: 218-849-9942
Email: jwood@dowacousticsinc.com
Project Address: 1547 Willow Avenue
   Detroit Lakes, MN 56501
Parcel ID Number(s): 490114000

Permit should be sent to: X Mailing Address  Contractor

Contractor Information (list all)
Name: TBD
Company: 
Address: 
Phone: 
Cell: 

PROJECT INFORMATION

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

B. Riprap 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

X More than 25% of lot area

X 1 acre or greater

X > 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): Little Detroit

6 unit single family housing development (PUD) off West Lake Drive. Project will include grading, paved access road, driveways, permanent stormwater management, and residential housing.

Proposed start date: 8/15/17   Proposed completion date: 10/15/17

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:** 7/25/17

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

ACTION BY THE PELICAN RIVER WATERSHED DISTRICT

The above application is **APPROVED** DISAPPROVED this **26th** day of **Sept.** 2017, by the Pelican River Watershed District

**By:** [Signature]

**Its:** Administrator
PELICAN RIVER WATERSHED DISTRICT
PERMIT REVIEW

REVIEW DATE: September 11, 2017
WENCK REVIEW ID: 16-17
ITEM: Landing on Little Detroit

RECOMMENDATION TO DISTRICT ADMINISTRATOR:

X Issue permit

Verify compliance with conditions before permit issue (see end of report)

Deny permit

APPLICANT: B&W Properties of DL, LLC
PO Box 477
Detroit Lakes, MN 56502

PURPOSE: The proposed project involves the construction of a 2.84-acre site including grading, paving, driveway and housing construction, and permanent stormwater management. Following completion, approximately 0.63 acres of the 2.84-acre site (22%) will be converted to impervious area.

LOCATION: Parcel ID No. 490114000
1547 Willard Avenue
Detroit Lakes, MN 56501

Located on West Lake Drive, between County Road 6 and Legion Road.

APPLICABILITY:
Total impervious surface (new and existing) of 10,000 sq. ft. or more within the Shoreland Zone (land located within 1,000 linear feet of a lake, or 300 linear feet of a stream or river)

EXHIBITS:

FINDINGS:

Maintenance: A detailed schedule indicating dates and sequence of land alteration activities has been received. A detailed description of how erosion and sediment control and soil stabilization measures will be monitored, maintained, and removed has been received. The name, address and phone number of the party responsible for maintenance of all erosion control measures has not been provided. A maintenance plan for on-site treatment measures has been provided.

Soils & Erosion Control Plan: Soils affected by the proposal are Dorset-Corliss Complex. Preliminary landscaping plans for storm water treatment practices and site re-vegetation has been provided. Adjacent properties are protected from sediment deposition. Wetlands, waterbodies and water conveyance systems are protected from erosion. Project site is greater than 1 acre; an NPDES permit is required.

Grading Plan: The location/dimension of existing property lines, roads, structures, utilities, easements, and paved and unpaved areas has been provided. A detailed site topographic plan (minimum 2-foot contours) for the proposed project conditions, which clearly indicates alterations to existing grades and topographic features, has been provided.

Stormwater & Hydraulics: Stormwater leaving the site is not discharged into a well-defined receiving channel or pipe and routed to a public drainage system. The rate of post-development runoff from the site does not exceed pre-development rates for the 5-year, 24-hour storm event. The rate of post-development runoff from the site does exceed pre-development rates for the 25- and 100-year, 24-hour storm events, however the overall volume discharged does not exceed existing conditions. The PRWD Managers approved a variance for the increase of peak discharge on the 25 and 100-year storm events.

Water Quality: Water quality treatment facilities achieve 90% TSS and 50% total phosphorus removal. Infiltration basins are designed correctly.

RECOMMENDATION TO DISTRICT ADMINISTRATOR:

- X Issue permit
- Verify compliance with conditions before permit issue (see end of report)
- Deny permit

As your re-submittal is reviewed, we may find the need to request additional information, and will so inform you.

Notes:
1. Summary of Infiltration Basin #3 is below, which was granted a variance by the PRWD managers during their scheduled monthly meeting on September 12, 2017.

<table>
<thead>
<tr>
<th>Condition</th>
<th>Runoff Rate (cfs)</th>
<th>Runoff Volume (ac-ft)</th>
<th>Peak Water Elevation (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2-yr</td>
<td>25-yr</td>
<td>100-yr</td>
</tr>
<tr>
<td>Existing</td>
<td>2.5</td>
<td>6.7</td>
<td>13.6</td>
</tr>
<tr>
<td>Proposed</td>
<td>2.4</td>
<td>7.1</td>
<td>13.9</td>
</tr>
</tbody>
</table>

2. The current discharge locations for infiltration basins #2 and #3 meet current PRWD rules. However, they discharge directly onto developed properties rather than into a well-defined receiving channel as recommended by PRWD and industry-standard practice. We recommend that you evaluate an alternative stormwater management plan that will not discharge directly onto developed properties. However, if you decide to proceed with the approved plan, we recommend you take corrective action to fix any damage and modify the stormwater management system if the approved design causes any negative impacts to the neighboring developed properties due to the discharge of stormwater off-site.