PERMIT

PERMIT MUST BE POSTED AT PROJECT SITE, VISIBLE FROM ROAD

Permit Number: 15-96 Permit Date: 10/14/2015

Permit Granted To: Troy & Julie Moore

Project Address: 1189 West Lake Drive

City, Street, Zip: Detroit Lakes, MN

Project Type: Impervious surface coverage (more than 25%) & Rip rap

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

- Erosion control will be installed and maintained until site is re-vegetated following building construction.
- Rip rap will be installed following MN DNR guidelines.
- A complete site plan, including the required Stormwater Management plan as required by the City of Detroit Lakes variance for +25% impervious surface coverage and setback mitigation, will be submitted to the District for approval prior to building construction.

**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.

Signature: [Signature]

City of Pelican River Watershed District / Permit Holder / [Printed Name]
PERMIT APPLICATION FORM

Property Owner(s): Troy & Julie Moore
Mailing Address: 6194 27th St. S. Fargo, ND 58104
Phone: 701-293-4800, Cell: 248-396-4776
Email: moretimes4@aol.com
Project Address: 1189 W. Lake Dr. Detroit Lakes, MN 56501

Contractor Information (list all)
Name: Andy Francis
Company:
Phone:
Cell:
Email:
*Attach additional information as needed.

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.

_____ 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 (discharging to waters of the state)

Project Purpose/Description: (Please be specific)
Lake Name: (if applicable) Detroit Lake

Repair rip-rap
Storm water Management Plan as required by City of Detroit Lakes
Variance for > 25% Impervious Surf & setback

Proposed start date: ASAP Proposed completion date: Before Freeze

*Identify any work already completed on drawings

ADDITIONAL PERMITS

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<th>Minnesota DNR</th>
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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 submitted and received
CITY OF DETROIT LAKES

VARIANCE

The Planning Commission after conducting a hearing in the matter of granting a Variance Request to Troy and Julie Moore under the provisions of the Zoning Ordinance of the City of Detroit Lakes has recommended that the City Council issue a Variance to allow a 38 foot setback from the Ordinary High Water Mark, a 19 foot front yard setback, a 6 foot 9 inch side yard setback, 25.8% impervious surface coverage and a variance to allow a 12 foot x 24 foot deck in the Shore Impact Zone at 1189 West Lake Drive on the following described property:

See Attached

The City Council of the City of Detroit Lakes, Minnesota, approves a Variance to allow a 38 foot setback from the Ordinary High Water Mark, a 19 foot front yard setback, a 6 foot 9 inch side yard setback and a 25.8% impervious surface coverage to allow construction of a two story home and also a Variance to allow construction of a 12 x 24 foot pervious deck in the Shore Impact Zone at 1189 West Lake Drive subject to the following conditions:

1) That the project be constructed generally as shown on the site plan;
2) That the owners reduce the amount of impervious surface coverage from 56.2% to 25.8%;
3) That the owners implement the following stormwater mitigation measures;
   a) Install rain gutters on the home to direct stormwater away from the lake;
   b) Construct an infiltration basin between the parking area and the lawn to capture and infiltrate storm
      water from the rock parking area between the road and the proposed home/garage;
   c) Install rain gutters and discharge rain water into vegetated rain gardens on either side of the home and
      away from the lake;
   d) Construct a vegetated swale along the north side of the property, between the home and the neighboring
      property; this will control and convey stormwater from the narrow side yard to the NW raingarden;
   e) Slope final property grade in a manner to ensure the water is diverted toward all constructed
      raingardens and infiltration basins;
   f) The lakeside deck in the Shore Impact Zone should use pervious materials and not exceed 12 x 24 feet;
4) That the driveway area be constructed with semi-permeable river rock with an infiltration trench not to
   exceed 24 feet wide, and be approved by the Pelican River Watershed District;
5) That the owners obtain a Pelican River Watershed District Permit prior to issuance of a building permit;
6) That the owners sign a pervious surface maintenance agreement prior to issuance of a building permit;
7) That the owner complete a survey after construction showing setbacks and impervious surface coverage;

Dated at Detroit Lakes, Minnesota this 8th day of September 2015.

BY ORDER OF THE CITY COUNCIL

__________________________________________
Robert Louiseau
City Administrator

Drafted by: City of Detroit Lakes
           Detroit Lakes, MN

Subscribed and sworn to before me this the _____ day of September 2015.

Nancy K. Wichmann, Notary Public  Exp. 1-31-2020
August 25, 2015

City of Detroit Lakes Planning Commission
C/O Larry Remmen
1025 Roosevelt Avenue
Detroit Lakes, MN 56501

RE: Variance request for 1189 West Lake Drive, Troy and Julie Moore

City of Detroit Lakes Planning Commission,

The Pelican River Watershed District Rules require an approved stormwater management plan for projects that exceed 25% impervious surface lot coverage, including projects which use mitigation measures (i.e., permeable surface technologies) to stay below the 25% impervious surface lot coverage threshold. The District reviews, approves, and oversees the design and construction of mitigation measures to ensure they perform and function as required.

The Shoreland ordinance allows reconstruction of the building at the same location and footprint. However, the landowner is requesting a variance to increase the lake and side yard setbacks to bring the property “more in compliance” with the ordinance. If the planning commission approves the request, the District recommends including the following conditions (which were previously discussed with the landowner):

- Construct an infiltration basin between the parking area and the lawn to capture and infiltrate storm water from the rock parking area between the road and the proposed home/garage.

- Install rain gutters and discharge rain water into vegetated rain gardens on either side of the home and away from the lake.

- Construct a vegetated swale along the north side of the property, between the home and the neighboring property; this will control and convey stormwater from the narrow side yard to the NW raingarden.

- Slope final property grade in a manner to ensure the water is diverted toward all constructed raingardens and infiltration basins.

- **Lakeside Patio area.** Any approvals for a lakeside deck/patio area in the shore impact zone should use pervious materials.

Thank you for your time,

[Signature]

Brent Alcott | Assistant Administrator
Pelican River Watershed District
Landowner: Julie Moore
Contractor: Andy Francis (Andy Francis Landscaping), Jim Herman (Do-It-Right Construction)

Project Address: 1189 W Lake Drive
Site Visit Date: 10/09/2015
Parties Present During visit: Jim Herman

I discussed the project via phone call with Andy Francis and the Stormwater Plan on-site with Jim Herman on 10/09/2015.

Andy Francis will be repairing and installing the rip-rap prior to building construction to allow for large equipment use. The following alterations to the shoreline will be made.

1) Rip-rap will be removed to repair the shoreline to the proper slope. **Clean** gravel will be used as fill to achieve the proper slope.
2) Non-woven filter fabric will be placed beneath the rip-rap installation which follows DNR guidelines of rock size, placement, and slope.
3) Following the shoreline repair, erosion control will be installed (silt fence, straw wattles, etc.) to minimize the potential sediment erosion to the lake.

The following are to be met as a condition of permit approval:

1) Erosion control will be installed and maintained until site is re-vegetated following building construction.
2) Rip-rap will be installed following MN DNR guidelines.
3) A complete site plan, including the required Stormwater Management plan, will be submitted to the District for approval prior to building construction.

Brent Alcott | Assistant Administrator
1) Remove Rock
2) Re-slope using clean gravel
3) Place non-woven filter fabric
4) Install new appropriate sized rock.