PERMIT

PERMIT MUST BE POSTED AT PROJECT SITE, VISIBLE FROM ROAD

Permit Number: 15-15  
Permit Date: 4/15/2015

Permit Granted To: Dennis Hopman

Project Address: 512 Shorewood Drive

City, Street, Zip: Detroit Lakes, MN 56501

Project Type: Ice repair damage – shoreline, yard, retaining wall

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

***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 of Pelican River Watershed District Board of Managers or Designee (District Administrator)
**PERMIT APPLICATION FORM**

Property Owner(s): **DENNIS HERMAN**
Mailing Address: **515 Shorewood Drive, Detroit Lakes MN 56501**
Phone: **218-846-5361**
Email: **Dennis.Wolfgang@Prawd.net**
Project Address: **SAME AS ABOVE**

**Contractor Information (list all)**
Name: ____________________________
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
  - 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 (discharging to waters of the state)

Project Purpose/Description: (Please be specific)

*Identify any work already completed on drawings*

**ADDITIONAL PERMITS**

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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.
Project Site Plan

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

Notes:
- Level yard back to existing.
- Remove part of concrete wall.
- Remove hedge.
- Replace retain wall.
- Use concrete block to create lawn edge.
Landowner: Dennis Hopman
Contractor: N/A
Project Address: 512 Shorewood Dr
Site Visit Date: 04/14/2015
Parties Present During visit: Dennis Hopman

Ice damage repair requirements were discussed with the homeowner, Dennis Hopman. The repair was discussed in three sections.

East side of property – Lower the ice heave from the previous winter. Create a slope where the highest point will be the concrete block edger and will cause water flow to go away from lake. Repair rip-rap up to concrete edger. Immediately stabilize exposed areas with grass seed following repair.

Sidewalk (center of property) – Remove the broken section of concrete and any organic matter that is underneath. Replace organic matter with rock to reduce erosion and increase infiltration and place dock section beginning from the new terminus of the concrete sidewalk.

West side of property – Remove shrubs, railroad ties, and level previous year ice damage to match the grade near the evergreen to the west (see photo). Maintain the slope of repairs away from the lake. Use concrete block to edge between lawn and beach. Immediately stabilize exposed soil with grass seed.

Notes:

- Concrete block will be allowed to create and edge between the lawn and rip-rap/beach areas. No retaining walls are allowed.
- All removed organic matter will be graded away from the lake and stabilized (seeded) or hauled away.
- All repaired areas will slope away from lake.

Brent Alcott
Lower ice-ridge
Keep scope away from lake
Water flow

Edge with concrete block
No Retaining Wall
No Remaining Mills

Block
Edge farm/bench with concrete
Remove railroad ties
Remove shrubs

All this grade to this level

11/19/15