PERMIT

PERMIT MUST BE POSTED AT PROJECT SITE, VISIBLE FROM ROAD

Permit Number 18-53  Permit Date: 09/26/18

Permit Granted To:
Larson & Field Enterprises, LLC; Thrify White Pharmacy

Project Address 321 W Main St
City, State, ZIP: Detroit Lakes, MN 56501

Project Type Demolition of existing building and parking lot. Construction of a new building and parking lot totaling 64.7% impervious surface coverage.

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

***Amended Permit***
1) Approved per Wenck Associates review recommendation, Review #18-17, dated 09/24/2018.
2) Project will be constructed as shown on approved Civil Plans, prepared by Landteam, dated 05/30/18
3) Owner is responsible for long-term maintenance of the project as described on the Infiltration Basin Operation and Maintenance Plan

**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): Larson & Field Enterprises, LLC
Mailing Address: 321 W Main St., Detroit Lakes, MN 56501
Phone: 218-847-2243   Cell:  
Email:  
Project Address: 321 W Main St., Detroit Lakes, MN 56501
Parcel ID Number(s): 491878000
Permit should be sent to: X Mailing Address  X Contractor  

Contractor Information (list all)
Name: Keith McDonald
Company: Shingobee Builders, Inc
Address: 200 34th Avenue S
Waite Park, MN 56387
Phone: 320-202-1300   Cell: (612) 865-2981

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
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)
X 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):

Work will include demolition of existing building and parking lot. Construction will consist of new building and parking lot meeting city ordinance. A variance will be obtained for the proposed drive through. Currently the lot is 97.3% impervious surfaces. Meeting setback requirements and 1.1" infiltration requirement will bring the lot to 64.7% impervious

Proposed start date: Summer 2018    Proposed completion date: Winter 2018

ADDITIONAL PERMITS

City of Detroit Lakes
Permit Required  X  Permit Received  
Permit Required  
Permit Received  
Variance needed  X  Permit Required  
Permit Received  

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 Permitee 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 Permitee, 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 Permitee, 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: ___________________________ Date: 7/5/18
(Property owner, or authorized signature through letter of authority)

ACTION BY THE PELICAN RIVER WATERSHED DISTRICT

The above application is APPROVED / DISAPPROVED this 26 day of Sep., 2019, by the
Pelican River Watershed District

By: ___________________________

its: ___________________________
THRIFTY WHITE—DETROIT LAKES

OPERATION AND MAINTENANCE PLAN
INfiltration basins

INTRODUCTION

This operation and maintenance plan has been developed for the infiltration basin to be installed in conjunction with the construction of a new Thrifty White retail store in the City of Detroit Lakes. The site has been improved in the past; this project will consist of reconstruction on or near the position of the existing structure.

The plan will address common operation and maintenance requirements as well as the suggested frequency of those inspections and is broken down by the various components of the facility.

GENERAL

- Monitor infiltration after runoff producing rainfall events to ensure runoff is infiltrating.
- Ensure that snow removal activities are not using the infiltration area for snow storage.

DEBRIS REMOVAL (MONTHLY)

- Contributing areas clear of litter and vegetative debris
- Basin bottom and sideslopes clear of litter and debris
- Inflow pipes clear and able to transfer flow to basin
- Overflow spillway clear

PRETREATMENT—CATCH BASIN SUMPS (ANNUAL or WHEN NECESSARY)

- Verify that sumps are functioning/trapping sediment
- Remove sediment when less than 50% of storage volume remains
PELICAN RIVER WATERSHED DISTRICT
PERMIT REVIEW

REVIEW DATE: September 24, 2018
WENCK REVIEW ID: 18-17
ITEM: Thrifty White Pharmacy

RECOMMENDATION TO DISTRICT ADMINISTRATOR:

X Issue permit

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

Deny permit

APPLICANT: Larson & Field Enterprises, LLC
321 West Main Street
Detroit Lakes, MN 56501

PURPOSE: The proposed project involves the re-development of a 0.70-acre site. The existing building and parking lot will be removed, a new building, utility services, parking lot, and stormwater management features will be constructed. Following completion, approximately 0.43-acres of the 0.70-acre site (62%) will be converted to impervious area.

LOCATION: 321 West Main Street
Detroit Lakes, MN 56501

APPLICABILITY:
Total impervious surface (new and existing) in excess of 25% of lot area

EXHIBITS:

1. PRWD Permit Application Form, unsigned, not dated, received 7/16/18.
4. Civil Plan Set, by Landteam, signed and dated 5/30/18, received 9/21/18.
5. Geotechnical Evaluation Report, by Braun Intertec, signed and dated 4/26/18, received 7/16/18.
6. Existing and Proposed Conditions HydroCAD Reports, by Landteam, dated 7/30/18 and 8/31/18, respectively, received 9/7/18.
7. Infiltration Basin Operation and Maintenance Plan received 7/16/18.
FINDINGS:

**Maintenance:** A detailed schedule indicating dates and sequence of land alteration activities has not 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 been provided. A maintenance plan for on-site treatment measures has been provided.

**Soils & Erosion Control Plan:** Soils affected by the proposal include silty fill material, poorly graded sands with varying levels of silt, and thin strata of clay throughout the site. Preliminary landscaping plans for storm water treatment practices and site re-vegetation has not been provided. Adjacent properties are protected from sediment deposition. Wetlands, waterbodies and water conveyance systems are protected from erosion. Project site is not greater than 1-acre; an NPDES permit is (not) 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 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- and 25-year, 24-hour storm events. The rate of post-development runoff from the site does exceed pre-development rates for the 100-year, 24-hour storm event.

**Water Quality:** Water quality treatment facilities achieve 90% TSS and 50% total phosphorus removal. An infiltration basin is designed correctly.

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**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.

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**Conditions:**
1. Provide a detailed construction schedule indicating dates and sequence of land alteration activities to PRWD at least one-week prior to beginning construction;

Notes:
The proposed HydroCAD model is unstable and not properly modeled. PRWD and Wenck recommend you revise your model utilizing the following suggestions below to determine if the design will manage stormwater properly.

1. HydroCAD Suggestions:
   a. Proposed model is unstable, resulting in outflows that are greater than inflows, downstream pond water surface elevations higher than upstream water surface elevations, and model oscillations. Consider the following methods to “stabilize” the model:
      i. Model at a smaller time step. Settings → Units → Custom → “TimeInc” settings;
      ii. Model catch basin nodes as ponds. Model storage within manholes as a “Vertical Cone/Cylinder” and include a secondary overflow. Secondary overflows should be routed to the next downstream storage node or offsite, as appropriate;
      iii. Increase storm sewer size; and/or
      iv. Other methods to stabilize model.
   b. Revise inlet calculations for Ponds 9P, 10P, 16P, 20P and 22P to use the correct inlet rating curve. Also include the curb box in calculations. A suggested inlet capacity curve is listed below. Note that the Applicant is responsible for verifying the proper inlet capacity curve is used in the final model; neither Wenck nor PRWD can guarantee the below curve is correctly transposed from the Neenah website for a R-3067-L inlet. The curb box should be modeled as a 35-1/4-inch wide by four-inch tall vertical orifice.

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