PERMIT

PERMIT MUST BE POSTED AT PROJECT SITE, VISIBLE FROM ROAD

Permit Number 19-09     Permit Date: 05/20/19

Permit Granted To:      

Friesens's

Project Address 1389 Cormorant Ave

City, State, ZIP: Detroit Lakes, MN 56501

Project Type Construction of 60’x120’ building addition; total impervious surface lot coverage greater than 1 acre. Stormwater will be handled by infiltration basin.

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

1) Project will be constructed as shown on approved Construction Plans, prepared by APEX Engineering, dated May 05/10/19
2) Owner is responsible for long-term maintenance of the project as described on Sheet 1 of the approved Construction Plans, prepared by APEX, dated 05/10/19.
3) The information provided by the Applicant for the design of the infiltration basin is conflicting and the Applicant shall coordinate with PRWD staff to field verify soil material and groundwater elevation. Basin shall be designed such that groundwater is a minimum of 3.0 feet below bottom of proposed infiltration basin and all soils within 5 feet of the bottom shall meet the 0.45 inches/hr design infiltration rates. All soils (including peat soils indicated in borings 12 and 13) shall be over excavated and replaced with suitable granular backfill that meet the design infiltration rates. The backfill shall not be compacted and the use of equipment within the infiltration basin shall be limited to low ground pressure equipment. If it is determined that the intended design cannot be verified in the field, and/or the infiltration basin does not function properly by draining down within 48 hours after construction is complete, the Applicant shall submit and construct an approved alternate stormwater BMP to meet the PRWD rules for rate control and water quality. PRWD does not accept any responsibility with proceeding with the current design.
4) If the top of infiltration basin washes out due to minimum berm thickness, the applicant shall redesign the berms to a design that will improve stability of the basin in the future.

**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
PELICAN RIVER WATERSHED DISTRICT
PERMIT REVIEW

REVIEW DATE: May 14th, 2019
WENCK REVIEW ID: 19-04
ITEM: Friesen’s South Addition

RECOMMENDATION TO DISTRICT ADMINISTRATOR:

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

APPLICANT: FF Properties
PO Box 889
Detroit Lakes, MN 56502-0889

PURPOSE: The proposed project involves the re-development of a 1.07-acre site. Improvements include constructing a building addition, water line, a gravel parking lot, and stormwater management. Following completion, approximately 0.0-acres of the 1.07-acre site (0.0%) will be converted to impervious area.

LOCATION: 1389 Cormorant Avenue
Detroit Lakes, MN 56501

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

EXHIBITS:
1. PRWD Permit Application, by FF Properties, signed and dated April 15th, 2019, received April 17th, 2019.
2. Civil Plans for Friesen’s South Addition (Sheets 1 and 2), by Apex Engineering, signed and dated May 10, 2019, received May 10th, 2019.
4. Soil Borings, by Midwest Testing, Dated June 9, 2000, received May 10, 2019

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 not been provided. A maintenance plan for on-site treatment measures has been provided.

Soils & Erosion Control Plan: Soils affected by the proposal are sandy loams, Dorset-Corliss complex, and Haslie muck. Preliminary landscaping plans for storm water treatment practices and site re-vegetation have 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 have 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 exceed pre-development rates for the 5-, 25-, and 100-year, 24-hour storm events.

Water Quality: It is unclear if water quality treatment facilities achieve 90% TSS and 50% total phosphorus removal. It is unclear if the infiltration basin is designed correctly. The Applicant shall coordinate with the PRWD to verify soil types and groundwater depth.

RECOMMENDATION TO DISTRICT ADMINISTRATOR:

X  Issue permit with conditions (see end of report)

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.

Conditions:
1. Provide a detailed schedule indicating dates and sequence of land alteration activities, along with the party responsible for maintenance of all erosion control measures prior to beginning construction.

2. The information provided by the Applicant for the design of the infiltration basin is conflicting and the Applicant shall coordinate with PRWD staff to field verify soil material and groundwater elevation. Basin shall be designed such that groundwater is a minimum of 3.0 feet below bottom of proposed infiltration basin and all soils within 5 feet of the bottom shall meet the 0.45 inches/hr design infiltration rates. All soils (including peat soils indicated in borings 12 and 13) shall be over excavated and replaced with suitable granular backfill that meet the design infiltration rates. The backfill shall not be compacted and the use of equipment within the infiltration basin shall be limited to low ground pressure equipment. If it is determined that the intended design cannot be verified in the field, and/or the infiltration basin does not function properly by draining down within 48 hours after construction is complete, the Applicant shall submit and construct an approved alternate stormwater BMP to meet the PRWD rules for rate control and water quality. PRWD does not accept any responsibility with proceeding with the current design.

3. Applicant shall submit documentation that the top of the pond was constructed to the designed top of elevation in the approved submittal. The lower end tolerance of elevation shall be -0.00 feet of design elevation. The documentation survey shall have a maximum spacing around the top of the stormwater feature of 10 feet. This documentation shall be supplied to the PRWD in a 11 x 17 figure showing a plan view of the stormwater feature to scale with all the survey points shown.

4. If the top of infiltration basin washes out due to minimum berm thickness, the applicant shall redesign the berms to a design that will improve stability of the basin in the future.

Notes:

1. General Note 3 on Sheet 1 states “This basin has been sized to accommodate the 1.1” runoff from a future building expansion as well as shown on the site plan”. Any future building projects not identified in the drawings and calculations for this project will require PRWD review prior to construction.

Recommendations:

1. PRWD, strongly recommends the Applicant reconsider providing a minimum of 0.5-feet of freeboard for the 100-year event on all stormwater ponds/infiltration basins.

2. PRWD, strongly recommends revising southern edge of infiltration basin to provide additional berm thickness to provide stability for larger storm events, as shown below.
EXTEND TOP OF BERM TO PROVIDE STABILITY DURING HIGH WATER EVENTS

TOP BERM EL: 1357.00
100 yr HWL EL: 1356.00

0.40-FEET WIDTH AT PEAK HWL

4:1
# PERMIT APPLICATION FORM

**Property Owner(s):** FF Properties  
**Mailing Address:** PO Box 889  
Detroit Lakes, MN 56502-0889  
**Phone:** 218-844-4437  
**Email:**  
**Project Address:** 1389 Cormorant Avenue  
Detroit Lakes, MN 56501  
**Parcel ID Number(s):** 490871315  

**Contractor Information (list all):**  
**Name:** Bjarni Rustad  
**Company:** Olaf Anderson Construction Inc  
**Address:** 4102 19th Avenue North  
Fargo, ND 58102  
**Phone:** 701-238-4767  
**Cell:**  

**Call to pick up Phone:**  

**For Office Use Only**  
**Permit App. #** ___________  
**Date Rec'd.** 4-18-19  
**Permit/Inspection Fees** $0.00  
**Cash/Check #** 98441  
**Parcel #** 490871315

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## PERMIT APPLICATION PURPOSE (indicate all which apply)

- X 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

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

Project will include construction of a 60' x 120' building addition on the southwest side of the existing building. Addition will replace existing concrete/gravel surfacing. Aggregate surface improvements will be made adjacent to the addition to blend into the existing surfacing. Storm water from new impervious will be captured by an infiltration basin on the south side of the property.

**Proposed start date:** May 1, 2019  
**Proposed completion date:** October 30, 2019

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## ADDITIONAL PERMITS

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*Additional permits may be required in addition to Pelican River Watershed District Permit  
Please attach copies of all permits and variances received

*If variances are required, the approved conditions need to be included for permit approval.*
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) days 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."

Brett Friesen

Signature: _______________________________ Date: ______________

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

ACTION BY THE PELICAN RIVER WATERSHED DISTRICT

The above application is APPROVED / DISAPPROVED this _______ day of ______, 20____, by the Pelican River Watershed District

By: ________________________________

Permit Number 19-09

Its: ________________________________