PERMIT

PERMIT MUST BE POSTED AT PROJECT SITE, VISIBLE FROM ROAD

Permit Number: 18-30  
Permit Date: 07/19/18

Permit Granted To:

City of Detroit Lakes

Project Address: Lake Forest 7th Addition

City, State, ZIP: Detroit Lakes, MN 56501

Project Type: Extension of street, sanitary sewer water main, and stormwater collection in a new residential subdivision resulting in over 1 acre in impervious surface (35.3% coverage)

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

1) Approved per Wenck Associates review recommendation, including attached notes, Review #18-07 dated 07/19/18.
2) Project will be constructed as shown on approved Construction Plans, prepared by APEX Engineering, dated 03/09/18, sheets 2-4, 6, 8, 9-11, 17, 22-35 revised 5/25/18.
3) Owner is responsible for long-term maintenance of the project as described on Sheet 06 of the approved Construction Plans, prepared by APEX Engineering, dated 03/09/18, revised 05/25/18.

**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 Gnetter, District Administrator
PERMIT APPLICATION FORM

Property Owner(s): City of Detroit Lakes
Mailing Address: 1025 Roosevelt Avenue
                Detroit Lakes, Minnesota 56501
Phone: 218-844-2583
Email: Jon.Pratt@Apexengroup.com
Project Address: Lake Forest - 7th Addition
Parcel ID Number(s): R/W & 490124698

Permit should be sent to: x Mailing Address  x Contractor  x Call to pick up Phone: 218-844-2582

CONTRACTOR INFORMATION (list all)
Name: TBD
Company: ____________________________
Address: ____________________________
Phone: ____________________________
Cell: ____________________________

PROJECT INFORMATION

PERMIT APPLICATION PURPOSE (indicate all which apply)

x A. Alteration to land, vegetation, and/or impervious surface within the Shoreland 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.

x D. Retaining wall (installation, repair or replacement within the Shore and/or Bluff Impact Zones

x E. Impervious surface (cumulative) coverage

more than 25% of lot area

1 acre or greater

> 10,000 sq. ft. within the Shoreland District

x F. Subdivisions, plats, or Planned Unit Developments (PUD’s)

x G. Highway, road, street, parking lot or public water access (new or reconstruction)

x H. Bridges, culverts, inlets to waters of the state; storm sewers (new or replacement)

x I. Groundwater Dewatering

PROJECT PURPOSE/DESCRIPTION: (Please be specific):

The project includes a 900' extension of street, sanitary sewer, water main, and storm water collection within a new area of an existing residential subdivision. The project will include 8 single family lots with 25% impervious coverage and 6 twin home lots with 50% impervious coverage. Stormwater treatment will be provided by expansion of an existing treatment basin, construction of two temporary infiltration basins, and a infiltration swale. A overflow from the existing treatment basin is also be constructed per the watershed’s request.

Proposed start date: May 2018  Proposed completion date: November 2018

ADDITIONAL PERMITS

City of Detroit Lakes
Permit Required ✓ Permit Received
Variances needed

Becker County
Permit Required Permit Received
Variances needed

Minnesota DNR
Permit Required Permit Received
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: ___________________________ Date: 3/12/19
(Property owner, or authorized signature through letter of authority)

ACTION BY THE PELICAN RIVER WATERSHED DISTRICT

The above application is APPROVED / DISAPPROVED this 60th day of July 2019, by the Pelican River Watershed District

By: ___________________________

Its: ___________________________
PELICAN RIVER WATERSHED DISTRICT
PERMIT REVIEW

REVIEW DATE:    July 19, 2018
WENCK REVIEW ID: 18-07
ITEM:       Lake Forest 7th Addition

RECOMMENDATION TO DISTRICT ADMINISTRATOR:

X Issue permit

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

Deny permit

APPLICANT:     City of Detroit Lakes
                1025 Roosevelt Avenue
                Detroit Lakes, MN 56501

PURPOSE: The proposed project involves the construction a 7.8-acre site, including removals, grading, utility installation, road construction, and stormwater management. Following completion, approximately 3.5-acres of the 7.8-acre site (45%) will be converted to impervious area.

LOCATION: West of Balsam Boulevard, between north Lake Forest Circle and south Lake Forest Circle.

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

1. PRWD Permit Application, by City of Detroit Lakes, signed and dated March 12, 2018, received March 27, 2018.

FINDINGS:

Maintenance: A detailed schedule indicating dates and sequence of land alteration activities will be provided by the contractor a minimum of one week in advance of commencing work. 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 will be provided once a contractor is selected. A maintenance plan for on-site treatment measures has been provided.

Soils & Erosion Control Plan: Soils affected by the proposal are poorly graded sands with varying amounts of silt, with thin clay strata in some areas. 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 (min: mum 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. It is unknown if the rate of post-development runoff from the site exceeds pre-development rates for the 5-, 25-, and 100-year, 24-hour storm events.

Water Quality: Water quality treatment facilities achieve 90% TSS and 50% total phosphorus removal. The 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.

Conditions: None

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Notes:

1. Stormwater management will be provided with two small interim infiltration basins, one small permanent infiltration basin, and expanding an existing regional infiltration basin. The two interim infiltration basins, identified in the Plans as Infiltration Areas A and C, will collect runoff from adjacent areas that cannot be routed to the regional infiltration basin with the 7th Addition phase of improvements. Areas A and C will be replaced with storm sewer to route runoff from Areas A and C to the regional infiltration basin in future improvements. Area B is permanent. Overflow from Area B will flow through a drainage easement and be collected by existing storm sewer on Balsam Boulevard which discharges to the regional infiltration basin. 7th Addition Improvements include expanding the regional infiltration basin to provide volume for future phases.

2. Wenck and PRWD recommend the applicant incorporate a permanent outlet structure for the regional infiltration basin as this is landlocked basin and is not sized for the back-to-back 100-year rainfall event and may not draw down for the 5-year 24-hour rainfall event. The applicant acknowledges the potential for localized flooding, see July 19, 2018 email from City Engineer Jon Pratt, attached hereto. The expansion of this development will likely cause increased localized flooding for the existing properties within this development.

From: Jon Pratt [mailto:JPratt@cityofdetroitlakes.com]
Sent: Thursday, July 19, 2018 10:48 AM
To: Jon Olson <Jon.Olson@apexenggroup.com>
Subject: Re: Lake Forest 7th Addition

Jon,

Thanks for the information. I have reviewed the below email and modeling information. I acknowledge and realize that during a 100-year event that there will be some localized flooding within the development. However, based on the modeling I do not anticipate that this would reach any of the homes. Furthermore, modeling in this situation has other limitations such as capacity of storm sewer which impacts how fast storm water runoff is able to be conveyed to a basin or discharge point. In reality, municipal storm water collection and conveyance systems begin an escalating degree of failure for storm event much beyond a 5-year event. During a 100-year event I would fully anticipate that there will be not only failure from within the development but other surrounding areas that will result in a situation that is unpredictable and that causes significant localized flooding in low lying areas thought the region of this development. There is not practical or cost effective manner to address runoff volume associated with a 100-year event in this situation.

In summary, I do not have any objection to the proposed basin improvements as specified. Please let me know if you need further information or clarification.

Jon A. Pratt, PE
City Engineer

City of Detroit Lakes
1025 Roosevelt Avenue
Detroit Lakes, MN 56501
Direct: 218-844-2582
Cell: 218-841-1282
JPratt@cityofdetroitlakes.com