PERMIT

PERMIT MUST BE POSTED AT PROJECT SITE, VISIBLE FROM ROAD

Permit Number 19-04 Permit Date: 05/10/19

Permit Granted To:
City of Detroit Lakes

Project Address Randolph Rd - Kris Street to CSAH54

City, State, ZIP: Detroit Lakes, MN 56501

Project Type Redevelopment of Randolph Rd from Kris St to CSAH 54. Stormwater to be handled by hydrodynamic separator and infiltration

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

2) Project will be constructed as shown on approved Construction Plans, prepared by APEX Engineering, dated March 31, 2019.
3) Soil Boring #8 indicated that there is buried organic clay within the boring. As part of construction, the contractor shall verify that there is no clay or silts underneath the bottom of the infiltration ditch. The contractor shall contact PRWD to verify soils.
4) Provide project specifications for the proposed hydrodynamic separator.

Recommendations:
1) Consider designing the infiltration basin such that the street does not flood for the 100-year event.
2) PRWD recommends that you consider redesigning the profile or the storm sewer from ST MH 1.0 to ST MH 5.0 such that pipe will drain dry.

**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 8, 2019
WENCK REVIEW ID: 19-01
ITEM: Randolph Road Reconstruction

RECOMMENDATION TO DISTRICT ADMINISTRATOR:

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   Issue permit
   Issue permit with conditions (see end of report)
   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 re-development of a 10.1-acres of street. Proposed work includes construction of underground utilities, drainage, grading, aggregate base, concrete curb and gutter, and bituminous paving. Stormwater management will be handled by hydrodynamic vortex separation and infiltration. Following completion, approximately 0.63 acres of the 10.1-acre site (6.2%) will be converted to impervious area.

LOCATION: Randolph Road – Kris Street to CSAH 54
Detroit Lakes, MN 56501

APPLICABILITY:
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 January 4, 2019, received January 9, 2019.
2. Existing and Proposed HydroCAD Output Reports, by Apex Engineering, dated December 13, 2018, received January 9, 2019.
3. Catchment Area Map Sheet 1, by Apex Engineering, dated December 2018, Received January 9, 2019.
4. Catchment Area Map Sheet 2, by Apex Engineering, dated March 2019, Received March 29, 2019.
5. Construction Plans for Randolph Road, Highland Drive & Lemon Road Improvements (110 sheets) by Apex Engineering, received January 9, 2019.
6. Revised Construction Plans for Randolph Road, Highland Drive & Lemon Road Improvements (Sheets 3, 10, 20, 21, 52, 60 & 61) by Apex Engineering, dated March 2019, received March 29, 2019.
7. MnDOT Standard Plate 3133D (Riprap at RCP outlets), by MnDOT, received March 29, 2019

FINDINGS:

Maintenance: A detailed schedule indicating dates and sequence of land alteration activities will be provided prior to construction. 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 loams with varying levels of sands and silts, and various other soils outlined by the NRCS Web Soil Survey in the set of plans. 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 (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, but does exceed rates for the 100-year, 24-hour storm event.

Water Quality: It is unclear if water quality treatment facilities achieve 90% TSS and 50% total phosphorus removal across the entire project.

RECOMMENDATION TO DISTRICT ADMINISTRATOR:
Issue permit
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-submit is reviewed, we may find the need to request additional information, and will so inform you.

Conditions:
1. Soil boring #8 indicates that there is buried organic clay within the boring. As part of construction, the contractor shall verify that there is no clay or silts underneath the bottom of the infiltration ditch. The contractor shall contact PRWD to check verification of soils.
2. Provide project specifications for the proposed hydrodynamic separator.

Recommendations:
1. Consider designing the infiltration basin such that street does not flood for the 100-year event; and
2. PRWD recommends that you consider redesigning the profile of the storm sewer from ST MH 1.0 to ST MH 5.0 such that pipe will drain dry. Current storm sewer profile also may be susceptible to plugging with sediment as the invert of the outgoing pipe at ST MH 5.0 is 1.75-feet higher than the invert of the incoming pipe at ST MH 5.0. Consider resetting centerline culvert at ~Sta 68+30, as minimal separation between the culvert and storm sewer is currently provided.
PERMIT APPLICATION FORM

Property Owner(s): City of Detroit Lakes
Mailing Address: 1205 Roosevelt Avenue
                  Detroit Lakes, MN 56501
Phone: 218-847-5658
Email: kklem@ci.detroit-lakes.mn.us
Project Address: Randolph Road - Kris Street to CSAH 54
Parcel ID Number(s): City Right-Of-Way

Permit should be sent to:  X  Mailing Address  Contractor  X  Call to pick up  Phone: 218-844-2562

PROJECT INFORMATION

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

E. More than 25% of lot area

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

I. Groundwater Dewatering

Project Purpose/Description: (Please be specific)

Lake Name (If applicable):

Project work will generally include construction of underground utilities, drainage, grading, aggregate base, concrete curb and gutter, and bituminous paving. Stormwater management will be handled by hydrodynamic vortex separation and infiltration.

Proposed start date: June 2018
Proposed completion date: June 2020

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 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: 6/4/19
(Property owner, or authorized signature through letter of authority)

ACTION BY THE PELICAN RIVER WATERSHED DISTRICT

The above application is APPROVED / DISAPPROVED this 10 day of May, 2019, by the Pelican River Watershed District

By: __________________________

Its: __________________________