

PERMIT

PERMIT MUST BE POSTED AT PROJECT SITE, VISIBLE FROM ROAD

Permit Number 18-55 **Permit Date:** 09/24/18

Permit Granted To:

Becker County Highway Department

Project Address County Road 131 from Hwy 59 to Tower Rd

City, State, ZIP: Detroit Lakes, MN 56501

Project Type Reconstruction of County Rd 131 from Highway 59 to Tower Road.

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 05/25/18
- 2) Provide documentation that the top elevation for ditch checks were constructed to elevations in the supplemental drainage map provided in 8/30/18 submittal.

Note: The HydroCAD models for existing and proposed conditions were not modeled properly and recommend you revise model to verify accurate conditions. See comments below:

1. Revise Proposed HydroCAD model to address the following:

a. Model the low-lying area at Station $\pm 9+75$ RT in the existing conditions model as a pond. Based on provided information, the low-lying area is beyond highway right-of-way and does not appear to be altered from existing to proposed conditions. Omitting existing storage from the model may overestimate existing peak flow rates. Consider dividing "Area 2" in the existing conditions model along the centerline, routing the southern half to a pond node, and routing the northern half to directly runoff.

b. Revise modeling methodology of "Area 2" and "Pond 101" in the proposed model. Approximately 15,000-square feet (CR 131 Station $\pm 8+95$ LT to $\pm 11+75$ LT) of "Area 2" is incorrectly routed to the lowlying area at Station $\pm 9+75$ RT. Separate "Area 2" into two watersheds along the centerline of CR 131, and only route the southern half to "Pond 101".

****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

211 Holmes St. W. Suite 201 | Detroit Lakes MN 56501

Phone (218) 846-0436 | Fax (218) 846-0778 | www.PRWD.org

For Office Use Only

Permit App. # 18-55
 Date Rec'd. _____
 Permit/Inspection Fees _____
 Cash/Check # _____
 Parcel # _____

PERMIT APPLICATION FORM

Property Owner(s): Becker County Hwy
 Mailing Address: 200 East State Street
Detroit Lakes, MN 56501
 Phone: 218-847-4463 Cell: 218-850-8839
 Email: bdshepa@co.becker.mn.us
 Project Address: County Road 131
 Parcel ID Number(s): _____

Contractor Information (list all)
 Name: TBD
 Company: _____
 Address: _____
 Phone: _____
 Cell: _____

Permit should be sent to: Mailing Address _____ Contractor _____ Call to pick up Phone: _____

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

Project Purpose/Description: (Please be specific)

Lake Name (if applicable): _____

Reconstruct County Road 131 from TH59 to Tower Road to match typical section of Tower Road from CR131 to Richwood Road (CSA# 21). See attached plan sheets for details.

Proposed start date: July 2018 Proposed completion date: Sept 2018

ADDITIONAL PERMITS

<p>City of Detroit Lakes</p> Permit Required <u>yes</u> Permit Received <u>NO</u> Variance needed _____	<p>Becker County</p> Permit Required <u>N/A</u> Permit Received _____ Variance needed _____	<p>Minnesota DNR</p> Permit Required <u>No</u> Permit Received _____	<p>Minnesota PCA</p> Permit Required <u>yes</u> Permit Received <u>NO</u>
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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: Brian Shepard Date: 5-31-18

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

ACTION BY THE PELICAN RIVER WATERSHED DISTRICT		Permit Number <u>18-55</u>
The above application is APPROVED / DISAPPROVED this <u>24</u> day of <u>Sept</u> , 20 <u>18</u> , by the Pelican River Watershed District		
By:	<u>[Signature]</u>	
Its:	<u>Admin</u>	

**PELICAN RIVER WATERSHED DISTRICT
PERMIT REVIEW**

REVIEW DATE: September 21, 2018
WENCK REVIEW ID: 18-16
ITEM: County Road 131, Hillcrest & Stony Roads Street & Utility Improvements

RECOMMENDATION TO DISTRICT ADMINISTRATOR:

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

APPLICANT: Becker County Highway Department
200 East State Street
Detroit Lakes, MN 56501

PURPOSE: The proposed project involves the re-development of a 3.43-acre site. Work includes reconstructing roads in the project area and utilities replacement. Following completion, approximately 0.24-acres of the 3.43-acre site (7%) will be converted to impervious area.

LOCATION:

APPLICABILITY:

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

EXHIBITS:

1. PRWD Permit Application Form, by Becker County Highway Department, dated and signed 5/31/18, received 6/1/18.
2. Construction Plans for County Road 131, Hillcrest & Stony Roads Street & Utility Improvements (Cover Sheet (01), Paving Plan and Profiles (1-6), SWPPP (07-09), Temporary Erosion Control Plans (10-12) Permanent Stabilization Plans (13-15)), by Apex Engineering Group, dated and signed 5/25/18, received 9/12/18.
3. Existing and Proposed Drainage Maps, by Apex Engineering Group, dated and signed 5/25/18, received 8/30/18.
4. Existing and Proposed HydroCAD Reports, by Apex Engineering Group, dated 9/12/18, received 8/30/18 and 9/12/18 respectively.

FINDINGS:

Maintenance: A detailed schedule indicating dates and sequence of land alteration activities will be provided once a contractor is selected. 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 are forada sandy loams, dorset-corriss complex soils and oylen sandy loams. Preliminary landscaping plans for storm water treatment practices and site re-vegetation has been provided. Adjacent properties are not protected from sediment deposition. Wetlands, waterbodies and water conveyance systems are not 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. It is unclear 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. Infiltration basins are designed correctly.

RECOMMENDATION TO DISTRICT ADMINISTRATOR:

- 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:

1. Provide documentation that top elevation for ditch checks were constructed to elevations in the supplemental drainage map provided in 8/30/18 submittal

Notes:

The HydroCAD models for existing and proposed conditions were not modeled properly and recommend you revised model to verify accurate conditions. See comments below:

1. Revise Proposed HydroCAD model to address the following:
 - a. Model the low-lying area at Station $\pm 9+75$ RT in the existing conditions model as a pond. Based on provided information, the low-lying area is beyond highway right-of-way and does not appear to be altered from existing to proposed conditions. Omitting existing storage from the model may overestimate existing peak flow rates. Consider dividing "Area 2" in the existing conditions model along the centerline, routing the southern half to a pond node, and routing the northern half to directly runoff.
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