PERMIT

PERMIT MUST BE POSTED AT PROJECT SITE, VISIBLE FROM ROAD

Permit Number: 15-05  Permit Date: 4/08/2015

Permit Granted To: Becker County Highway Dept.  Attn: Brian Shephard

Project Address: Culvert crossing on bike path over Ditch 14

City, Street, Zip: Detroit Lakes, MN 56501

Project Type: Culvert replacement

Permit Granted with the Following Conditions to be Satisfied by the Permit Holder:
***Install according to Becker County or City of Detroit Lakes Shoreland Ordinance and Planning
and Zoning regulations, and State of 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 Pelican River Watershed District Board of Managers or Designee (District Administrator)
Return completed permit application, including two sets of required exhibits, and appropriate fees to:

Pelican River Watershed District
Wells Fargo Bank Building, Suite 201
211 Holmes St. West
Detroit Lakes, MN 56502
PH (218) 846-0436 FAX (218) 846-0778
www.prwd.org

PERMIT NO. 15-05
REC'D OFFICE REC'D ENGR/SWCD
PERMIT & FIELD INSPECTION FEES $714
CASH OR CHECK NO.

PERMIT APPLICATION
TO BE COMPLETED BY APPLICANT (Property Owner OR by Governmental Entity if a public project)

1. PROPERTY OWNERS List all. Last Name First Name M.I.
Becker County Hwy Dept. Brian Shepard

2. PROJECT LOCATION (Attach drawing with directions to site):
LAKE (if applicable) TOWNSHIP(S) TWP NO. RANGE SECTION (1/4) LOT, BLOCK, SUBDIVISION
Lake View 138 41 9 NW N W

PROJECT ADDRESS:
Culvert crossing on bike path over Ditch 14 near Pelican River

3. PERMIT APPLICATION FOR:

☐ A. Alterations to land, vegetation, impervious surface in shore impact zone
☐ B. Rip-rap or beach sand blanket (installation, repair, replacement)
☐ C. Alterations to land, vegetation, impervious surface in bluff impact zone or on steep slopes in shoreland district
☐ D. Retaining wall (installation, repair, replacement within shore impact or bluff impact zones)
☐ E. Impervious surface (total cumulative coverage)
   ○ More than 25% of lot coverage
   ○ 1 acre (43,560 sq. ft.) or greater
   ○ More than 10,000 sq. ft. in Shoreland District
☐ F. Subdivisions, plats, or planned unit developments (PUD's)
☐ G. Highway, road, street, parking lot, or public water access (construction or reconstruction)
☐ H. Bridges, culverts, inlets to waters of the state; storm sewers (new or changes to existing structures)
☐ I. Groundwater dewatering (discharges to Waters of the State)

3.a PROJECT PLAN DESIGN CONTACT
COMPANY CONTACT NAME
Becker County Highway Dept. Brian Shepard

3.b EROSION CONTROL GRADING CONTACT for our Inspector:
COMPANY CONTACT NAME
Becker County Highway Dept. Brian Shepard

4. PROJECT DESCRIPTION
Replace triple line of 24"x35" CMP arch culverts under bike path crossing of Ditch 14 with triple line of same size of CMP arch culverts. Bike path will be repaved at the same width resulting in no increase in impervious service. Final cross section of the bike path will remain the same resulting in no permanent fill in ditch or adjacent wetland. Date of construction can be flexible and will be completed when water levels are as low as possible.

5. DATES
Proposed start of activity: 6/1/2015
Proposed Completion Date: 6/25/2015
(idenfiy any completed work on attached drawing)
Submittal Requirements
Applicants must submit all of the following items:
1. Completed permit application (application must be signed by the PROPERTY OWNER or Governmental Entity)
2. 2 copies of drawings, plans and other data as outlined in “Pelican River Watershed District Permit Information Sheets”
3. The application/field inspection fees according to the most recent schedule set by the Board of Managers
4. Street location map

Applying for the permit does not preclude your applying for any necessary permit that may be required from OTHER governmental agencies. Any work performed prior to obtaining all required authorizations may be subject to Federal, State, and/or local administrative, civil and/or criminal penalties. No liability shall be imposed on the district or any of its officers, agents, or employees, officially or personally, on account of the granting of this permit, on an 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, 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 office or it will be mailed out. A copy will be faxed to the applicable governmental entity (Becker County or City of DL Zoning Departments).

The permit will be valid for 18 months from 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 30 days prior to the permit’s expiration date.

If changes are made to the permitted plans for this project, changes must be submitted to the District (in duplicate) for review.
If approved, an amended permit will be issued.

When the project is complete, please call the District office at (218) 846-0436 to request final inspection.

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 the public health and welfare, or for violation of any of the provisions of this permit.

“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 receive the permit and the permit sign is posted on the 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: 3/18/15
Property Owner or Authorized Signature of Governmental Entity

APPROVED PERMIT MUST BE POSTED PROMINENTLY ON THE SITE BEFORE ANY WORK CAN BEGIN. THE PELICAN WATERSHED DISTRICT MAY ISSUE STOP-WORK ORDERS ON SITES WITHOUT APPROVED PERMITS. IF A PERMITTED SITE IS OUT OF COMPLIANCE WITH ITS PLAN, AS DETERMINED BY INSPECTION, A STOP WORK ORDER MAY BE ISSUED AND PENALTIES APPLIED. VIOLATION OF DISTRICT WATER MANAGEMENT RULES IS A MISDEMEANOR SUBJECT TO A PENALTY AS PROVIDED BY LAW.

ACTION BY PELICAN RIVER WATERSHED DISTRICT
PERMIT NO. 0 15 05
The above application for permit is APPROVED / DISAPPROVED this 3rd day of April, 2015
Pelican River Watershed District
BY
Its Administrator
DATE: March 18, 2015

TO: Pelican River Watershed
211 Holmes Street West Suite 201
Detroit Lakes, MN 56501

FROM: Brian Shepard BDS
Construction Manager

SUBJECT: Project – Ditch 14 Bike Path culvert - Permit Application

************************************************************************************
Enclosed are the following for your review and comment:
- Permit Application Form (2 copies)
- Wenck Associates – Technical Memo (2 copies)

We are planning for Summer 2015 construction for this project. Application fee of $175 is being processed and will be mailed on April 10, 2015.

If you have any questions or request any additional information free to call.
To: Brian Shepard  
Becker County Highway Department

From: Marlon Mackowick, P.E.  
Ian Peterson, E.I.T.

Date: January 12, 2015

Subject: Becker County - Culvert replacement on Ditch 14 bike trail crossing

This memo summarizes several design options that the Becker County Highway Department (County) could use when replacing the culverts at the Ditch 14 bike trail crossing. Becker County requested this information from the Pelican River Watershed District (PRWD) in order to speed the permit review process. The County also expressed a desire to reduce the replacement cost of the culverts and ease maintenance.

Introduction
The existing Ditch 14 bike trail crossing (Figure 1) is composed of three (3) parallel CMP arch culverts: size 24" x 35". Wenck Associates, Inc. (Wenck) evaluated the existing bike trail culverts and reviewed watershed data to provide replacement options sufficient to maintain flow along Ditch 14 with no increase in water elevation.

![Figure 1: Areal image showing the location of the proposed culvert replacement (Google Earth)](image-url)
Recommendations
Although Table 2 provides several options that could be used to replace the culverts at the Ditch 14 bike trail crossing, Wenck recommends that the culverts be replaced in-kind to maintain current flow conditions. Wenck suggests that the County use CPEP culverts rather than CMP which may decrease project cost. Wenck estimates the installation cost for three (3) 22 foot sections of CMP is approximately $5,940, while the equivalent CPEP is $4,620. The minor loads on the bike trail could be supported by the CPEP culverts. CPEP culverts also have a longer lifespan which decreases the maintenance requirements.