

# Digital EGLE/USACE Joint Permit Application (JPA) for Inland Lakes and Streams, Great Lakes, Wetlands, Floodplains, Dams, Environmental Areas, High Risk Erosion Areas and Critical Dune Areas

version 1.27

(Submission #: HPB-QH2B-HJR73, version 1)

## Details

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**Submission ID** HPB-QH2B-HJR73

**Submission Reason** New

## Form Input

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### Instructions

[To download a copy or print these instructions. Please click this link \(recommended\).](#)

### The EGLE/USACE "Joint Permit Application" (JPA)

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#### READ THOROUGHLY BEFORE STARTING THE FORM

It is recommended to download a pdf of this page at [www.michigan.gov/jointpermit](http://www.michigan.gov/jointpermit) for reference while filling out the form. Please also refer to this website for additional information regarding this form, including a glossary and other helpful resources on information required to be submitted in this form.

This is the Joint Permit Application (JPA) for construction activities where the land meets the water. This application covers permit requirements derived from state and federal rules and regulations for activities involving:

Wetlands  
Floodplains  
Marinas  
Dams  
Inland Lakes and Streams  
Great Lakes Bottomlands  
Critical Dunes  
High Risk Erosion Areas

This application prevents duplication of state and federal forms for these activities and provides concurrent review under all pertinent state and federal laws. In the case of U.S. Army Corps of Engineers (USACE) jurisdiction, the Michigan Department of Environment, Great Lakes, and Energy will also send a copy of this Joint Permit Application to the USACE for simultaneous processing. The Michigan Department of Environment, Great Lakes, and Energy will provide coordination between state and federal agencies during the application review.

This application form is set up with the following sections to be completed by the applicant (note that it is recommended to gather all this information prior to starting this form):

#### Contact Information:

Applicant, Property Owner(s), Consultant(s), and any other Authorized Representative(s)

Authorizations are required from the property owner for:

- when the applicant is not the owner,
- when there is a consultant/representative for the applicant,
- when spoils disposal locations are not on site,

- when other permissions are necessary based on project specifics and are identified by the form.

**Project Location Information:**

Address, coordinates, and directions to the site, etc.

**Background Information:**

Existing site conditions, other related permits, existing easements/encumbrances, other related application numbers (pre-application meetings, Wetland Identification Program, etc.)

**Permit Application Category and Public Notice Information:**

This section asks what permit application category you believe fits your project. While this is not required to submit the application, knowing this will also help you submit the right permit application fee and avoid a correction request and processing delays.

The choices of permit application categories to select in the form are:

General Permit, \$50 fee ([https://www.michigan.gov/documents/deq/wrd-general-permit-categories\\_555828\\_7.pdf](https://www.michigan.gov/documents/deq/wrd-general-permit-categories_555828_7.pdf))

Minor Project, \$100 fee ([https://www.michigan.gov/documents/deq/wrd-minor-project-categories\\_555829\\_7.pdf](https://www.michigan.gov/documents/deq/wrd-minor-project-categories_555829_7.pdf))

Public Notice Individual Permit, range from \$500-\$4,000 depending on type of activity. For High Risk Erosion Areas and Critical Dune Areas fees for Public Notice individual permit applications can range from \$50-\$4000. Additional fees may be applied for some special project requirements such as hydraulic analysis, dam projects, and a special exception application in a critical dune area. See Fee Schedule on website for more information.

Unsure, select this and the permit reviewer will make the determination on permit type after the application is submitted based on the project details. However, some fee is required to be submitted with the application. If an additional fee is required, the Michigan Department of Environment, Great Lakes, and Energy will send a correction request that will show the remaining amount required. The application will not be considered complete without the proper fee.

Adjacent Landowner contact information for Public Notice projects is required by law. This includes any parcels touching the project parcel and parcels across the street.

**Project Description:**

Information on the Proposed Use and Purpose of the project (who and what the project is intended for and why is it needed). This includes a written summary of the project as well as a list of project uses and types to select from as follows:

**Project Use Selections:**

Private  
Commercial  
Public/Gov/Tribal  
Federal/State funded  
Non-Profit  
Other

**Project Type Selections:**

Agriculture  
Airport  
Development- Condo/ Subdivision/Residential  
Development-Commercial/ Industrial  
Drain-County  
Drain-Private  
Drawdown  
Lake, Drawdown  
Wetland Forestry  
Landfill  
Marina/Mooring Facility  
Marine Railway  
Mining-Mineral,  
Mining-Sand and Gravel  
Private Residence  
Restoration-Wetland  
Restoration-Stream  
Transportation  
Septic System Surveying or Scientific Measuring Device  
Utility-Electrical, Fiber optic  
Utility-Oil and gas pipelines  
Utility-Sewer/water line  
Other

Construction Details including sequencing, timeframes, SESC measures, etc.

Alternatives Analysis detailing all options considered and why this is the least impactful feasible and prudent proposal. The depth of this analysis is typically commensurate with the size and purpose of the project and at minimum should include variables such as alternate locations (including other properties), configurations and sizes (layout and design), and methods (construction technologies), and other constraints (local regulations, resource issues). Discussion should also include why the do nothing alternative is not feasible or prudent.

#### Project Compensation:

Narrative of how proposed impacts will be compensated (mitigated or other minimization measures), including amount, location, and method; or why mitigation should not be required. This can be traditional mitigation and/or other techniques used to minimize overall loss of functions.

Resource and Activity Type. This section is intended to determine what additional sections of the application are generated (as seen on the left side of the screen) for further information gathering. This includes questions regarding what Resource feature is involved (e.g., wetland, stream, floodplain, pond, dam, critical dune, etc.) and if there are identified Special Activities (i.e., activities requiring a specific series of questions to be answered). Be sure to choose all that apply to your project. If your activity is not listed, choose None of the Above and move on to the next question. More specific activity questions will appear later based on the resource section answers.

Resource Information and Impacts Sections (Multiple Sections). These are a series of sections that will appear on the left side of the screen based on your answers to the Resource and Activity Types section. You will input further information on the existing resources to be impacted (e.g., wetland type, permanent or temporary impact, water elevation data, drainage area, etc.) and all proposed Project Activities with their Dimensions (e.g., length, width, depth, square footage). For example, when Wetland is selected as a resource that your project will involve, a Wetland Project Information and Impacts section will appear on the left side of the screen that includes questions specific to gathering information about the wetland.

For projects including Floodplains, Marinas, Dams, Critical Dunes, or High Risk Erosion Areas individual sections will appear on the left side of the screen that include different sets of specialized questions as required by those programs. These sections do not share a specific format. Help tips will guide you in filling out these sections.

For projects including wetlands, ponds, inland lakes, streams, or the Great Lakes resources, individual sections will appear on the left side of the screen that are similar in format to each other. Each of these resource sections asks initial general information and then has additional questions regarding the Types of Activities proposed for each resource. The outline for these resource activity impacts questions is Activity Type, Dimensions Table, and Special Questions.

There are four overall Types of Activities groups for wetlands, ponds, inland lakes, streams or the Great Lakes:

- Fill Activities
- Dredge Activities
- Structure Activities
- Other Activities

Under each of these Types of Activity questions, specific activity lists will be shown that are typical for that type (fill, dredge, structure, other) and resource (wetland, lake, stream, etc). Follow these steps to accurately fill out the Activity Type Questions:

1. Start with the Fill question and choose any activities on the list that is included in your project. If your activity is not shown, then select None of the Above and move to the next question.

2. When you select an activity listed under Fill, Dredge, Structure, or Other, a dimensions table will appear under that question. This table is where you enter EACH activity OF THE TYPE YOU SELECTED and associated dimensions. Be sure that all the activities you selected are also listed in the table with the dimensions. Multiple activities covering the same footprint may be combined on one line in the table (for example, riprap on slopes of driveway fill can be entered on the same impact dimensions line and does not necessarily need to be broken out).

3. Continue to answer the Activity Type questions (Fill, Dredge, Structure, Other) until all have been answered with either a specific Activity listed under that Type or None of the Above. If you did not find your activity in any list then select Other, Other and provide a description of your activity in the space that appears. Please be as descriptive as possible.

Proposed mitigation questions may appear within specific resource types sections based on your answers. Enter any proposed mitigation in the appropriate section (wetland, stream, etc.) and if no mitigation is proposed you must provide commentary with an explanation as to why it is not required. Mitigation plans according to the mitigation checklist (link) are required for a complete application. When mitigation is proposed be sure to also select mitigation in the Permit Application Type section under the second question.

In the above sections, uploads will be prompted as required by the answers to questions. These should be uploaded in these location (ex, mitigation plans should be uploaded in the mitigation section). Please do not wait to upload one large document with all plans combined at the end. Note that each individual upload is limited to 10M.

#### Upload of Proposed Site Plans.

Any plans or explanatory narratives not requested in previous sections should be uploaded in this section. Construction Plans

including overhead view, cross sections, and profiles showing each impact either to-scale or with dimensions are required and typically would be uploaded here. Plan labels should correspond with labels entered in the form for each activity selected. The application will not be complete without the proper site plans. If drawings are not received with all required dimensions and resources identified, then the Michigan Department of Environment, Great Lakes, and Energy will send a correction request and your application processing will be delayed. However, please limit drawings, plans, and narratives submitted to the items necessary for permit review. For example, entire bid package documents and CAD drawings are often not helpful for permit review and may cause delays from wading through extraneous information. Plans, profiles and cross sections specific to the resource impacts are the most helpful.

**Review:**

This section allows you to see the entire form with the answers you entered. Please review for accuracy prior to hitting the submit button. A print option is provided on this screen (print to PDF is recommended). Once the application is submitted you may not make changes to it until the application has been assigned to a staff person.

**Certify & Submit:**

This is the final section of the application form. The **Submit Form** button selection certifies that all information in the application is true and accurate and that you have the authority to apply for the permit as indicated. This application will become part of public record.

We recommend that you have the above information ready prior to starting this application. You will be able to save in-progress applications and come back later, but all required uploads and questions are necessary before the system will allow submittal of the application. Some sections of this application form load faster than others depending on the complexity of the questions.

Thanks for your patience while you work through the application. For assistance with this form visit:

<https://www.michigan.gov/jointpermit>

[Click here for additional information on maps, drawings, and other attachment](#)

## Contact Information

### Applicant Information (Usually the property owner)

**First Name      Last Name**

Scott              Hansen

**Organization Name**

Toll Brothers, Inc.

**Phone Type      Number              Extension**

Mobile            2316750224

**Email**

shansen@tollbrothers.com

**Address**

26200 Town Center Drive

Suite 200

Novi, MI 48375

### Is the Property Owner different from the Applicant?

Yes

### Property Owner Contact Information

**First Name      Last Name**

Ryan              Peterson

**Organization Name**

Concordia University

**Phone Type      Number              Extension**

Other              734-995-7300

**Email**

RYAN.PETERSON@CUAA.EDU

**Address**

4090 Geddes Road

Ann Arbor, MI 48105

**Upload Attachment for Authorization from Property Owners**

Concordia University Authorization.pdf - 09/22/2021 04:07 PM

**Comment**

NONE PROVIDED

**Has the applicant hired an agent or cooperating agency (agency or firm assisting applicant) to complete the application process?**

Yes

**Upload Attachment for Authorization from Agent**

Toll Brothers Authorization.pdf - 09/22/2021 04:08 PM

**Comment**

NONE PROVIDED

**Agent Contact**

**First Name      Last Name**

Tyler              Smith

**Organization Name**

Niswander Environmental, LLC

**Phone Type    Number          Extension**

Mobile            8109238314

**Email**

tsmith@niswander-env.com

**Address**

9436 Maltby Road

Brighton, MI 48116

**Are there additional property owners or other contacts you would like to add to the application?**

No

**Project Location**

**DEQ Site Reference Number (Pre-Populated)**

-4873336587917712282

**Project Location**

42.28157477677731,-83.67934761428629

660 Earhart Road, Ann Arbor, MI

**Project Location Address**

660 Earhart Road

Ann Arbor, MI 48105

**County**

Washtenaw

**Is there a Property Tax ID Number(s) for the project area?**

Yes

**Please enter the Tax ID Number(s) for the project location**

09-09-25-200-111

**Is there Subdivision/Plat and Lot Number(s)?**

No

**Is this project within Indian Lands?**

No

**Local Unit of Government (LUG)**

Ann Arbor

**Directions to Project Site**

East side of Earhart Road, north of Geddes Road.

**Background Information**

**Has the Michigan Department of Environment, Great Lakes, and Energy (EGLE) and/or United States Army Corps of Engineers (USACE) conducted a pre-application meeting/inspection for this project?**

Yes

**Provide the date of the pre-application meeting/inspection**

3/8/2021

**Pre-application File Number:**

HP5-YXJF-EP1K7

**EGLE and/or USACE staff person involved in the pre-application meeting/inspection:**

Melissa Letosky

**Has the project scope or design changed since the pre-application meeting/inspection?**

Yes

**Please explain what has changed. Attach additional documentation as necessary.**

One sanitary sewer tap has been eliminated from the proposed plans. Please refer to the attached plans for more information.

**Additional Documentation**

NONE PROVIDED

**Comment**

NONE PROVIDED

**Has the EGLE completed a Wetland Identification Program (WIP) assessment for this site?**

No

Environmental Areas are coastal wetlands on the shorelines of the Great Lakes. Enter this number only if a designated Environmental Area is in the proposed project area. Environmental Areas are designated locations along the Great Lakes shoreline. If you don't know whether there is an environmental area within the project area, leave blank. Additional information on Environmental Areas can be found by clicking the following link:

[Click Here for Link](#)

**Environmental Area Number (if known):**

NONE PROVIDED

**Has the United States Army Corps of Engineers (USACE) completed either an approved or preliminary jurisdictional determination for this site?**

No

**Were any regulated activities previously completed on this site under an EGLE and/or USACE permit?**

No

**Have any activities commenced on this project?**

No

**Is this an after-the-fact application?**

No

**Are you aware of any unresolved violations of environmental law or litigation involving the property?**

No

**Is there a conservation easement or other easement, deed restriction, lease, or other encumbrance upon the property?**

No

**Are there any other federal, interstate, state, or local agency authorizations associated with this project?**

Yes

**List all other federal, interstate, state, or local agency authorizations.**

Agency	Type of Approval	Number	Date Applied	Approved/Denied/Undetermined
City of Ann Arbor	Site Plan Approval	NONE PROVIDED	09/08/2021	Undetermined
City of Ann Arbor	SESC	NONE PROVIDED	10/1/2021	Undetermined

**Comments**

Currently working through the City of Ann Arbor process. The SESC permit will be applied for once the EGLE permit is obtained.

**Permit Application Category and Public Notice Information**

**Project Category Selection:**

The Permit Application Category you apply under is dependent on the type and scope of activities you are undertaking and the resources affected. There is a three-tier permitting process to aid in expediting permits for regulated activities that occur on wetlands, inland lakes and streams, and the Great Lakes (Parts 301, 303, and 325): General Permit, Minor Project, and Individual Permit.

Additionally, Minor Project categories exist for floodplains under the authority of Part 31.

General Permit and Minor Project categories generally meet specific Best Management Practices criteria that have been shown to minimize impacts to resources if followed correctly. If you select a General Permit or Minor Project Category you must select the specific category(ies) that your project fits under. Any project that does not fit a General or Minor Category are Individual Permit projects. All projects in Critical Dunes, High Risk Erosion Areas, or Dam Safety projects will be Individual Permit Projects.

**Indicate the type of permit being applied for.**

Individual Permit for all other projects

**This type of permit application requires that you include contact information for the adjacent landowners to this project. If you are only entering in a small number of bordering parcel owners contact information, please select "Enter list of recipients". If there is a rather large number of affected property owners such as a project that significantly affects lake levels, please upload a spreadsheet of the property owners. Please include names and mailing addresses.**

Upload a list.

**Uploads/Attachments**

[List of Adjacent Land Owners.pdf - 09/22/2021 04:14 PM](#)

[Adjacent Land Owners Map.pdf - 09/22/2021 04:14 PM](#)

**Comment**

NONE PROVIDED

[Link to General Permit Categories with Descriptions](#)

[Link to Minor Permit Categories with Descriptions](#)

[Link to Minor Project Category descriptions for Floodplain Only projects \(See R323.1316\)](#)

**Project Description**

**Project Use: (select all that apply - Private, Commercial, Public/Government/Tribal, Receiving Federal/State Transportation Funds, Non-profit, or Other)**

Private

**Project Type (select all that apply):**

Development-Condominium/Subdivision-Residential

Utility - Sewer/water line

Please enter your answers in the text box for the next four questions. If you have a long description, please use the document upload at the end of the section. Please make every effort to enter your information directly into the application text boxes. If the answer is in an attachment, please identify that in the text box below.

**Project Summary (Purpose and Use): Provide a summary of all proposed activities including the intended use and reason for the proposed project.**

The Applicant proposes to install a 42-inch box culvert with 18-foot extension and place 41 cubic yards (33 cyds of fill on top of the culvert extension and 8 cyds of riprap/fill in the stream) of fill material within wetland/stream to facilitate the installation of a pedestrian sidewalk along Earhart Road. In addition, the Applicant proposes to Jack and Bore an 8-inch sanitary sewer connection with 18-inch casing pipe under 17-feet of existing wetland/stream to connect to an existing sanitary sewer manhole. Also, the project proposes 3 stormwater discharges from 3 separate stormwater detention/infiltration basins with sediment forebays and 12-inch outlet pipes protected with up to 3 cyds of riprap (placed outside of the wetland and stream) discharging to the onsite wetland/stream. Basins A & B is designed to infiltrate the first flush (1") storm event and Basin C will provide treatment of the first flush by storing the water and discharging it over 29.7 hours. The project purpose is to construct a single family residential development with 57-units to meet the demand for similar housing in the City of Ann Arbor, Washtenaw County, Michigan.

**Project Construction Sequence, Methods, and Equipment: Describe how the proposed project timing, methods, and equipment will minimize disturbance from the project construction, including but not limited to soil erosion and sedimentation control measures.**

At the project site, soil erosion control measures will be implemented and maintained during the construction of this project to remain in compliance with the Michigan Part 91, Soil Erosion and Sedimentation Control Act, of NREPA. These soil erosion controls will ensure the protection of the on-site regulated wetland and stream resources. Soil erosion control measures will be constructed in accordance with the City of Ann Arbor Sedimentation Control Ordinance. Soil erosion control measures will include the provision of an erosion control fence as required along the areas of disturbance and wetland, and the provision of a stabilized construction entrance. Extreme caution will be taken by the Applicant's contractors to prevent erosion and siltation during construction. Disturbed areas will be stabilized promptly following the end of active disturbance. SESC Permits will be obtained prior to starting construction. The fill will be placed and the structures will be constructed utilizing best management practices to ensure minimal environmental impact following the below construction sequence: 1. Installation of soil erosion control measures 2. Mechanically clear areas of proposed grading 3. Mass grade building pads, roads, and detention basins 4. Install underground utilities, roads, and parking lots 5. Complete final site grading, commence Jack and Bore to facilitate sanitary connection and final grade detentions basins with outlets 5. Once site is stabilized with temporary measures, install permanent SESC measures (install perennial grass seed and mulch)

**Project Alternatives: Describe all options considered as alternatives to the proposed project, and describe how impacts to state and federal regulated waters will be avoided and minimized. This may include other locations, materials, etc.**

Several alternative site designs were considered and the proposed alternative (57-unit development) was considered feasible and prudent while minimizing the wetland/stream impact to the greatest extent possible. The proposed development property is the only available property in the area that meets the market analysis for the proposed housing type. The proposed site layout concentrates development in the upland portions of the property while preserving nearly all of the wetland habitats onsite. The applicant reviewed several alternative designs to minimize or eliminate the wetland fill associated with the pedestrian pathway along Earhart Road. The applicant considered not constructing the pedestrian path and therefore eliminating the wetland impact. However, upon meeting with the City of Ann Arbor, it was determined that a pedestrian sidewalk would be required along the Earhart Road frontage to support the new residential development. Knowing that city was going to require the pedestrian path, the engineer developed a design to minimize the amount of needed culvert extension and associated fill. The impact was minimized by reducing the overall side slope to 3 on 1 and placing only a minimum amount of riprap in the stream bottom at the outlet of the culvert. Based on these considerations, the current site design minimizes wetland impacts while still allowing a safe construction of the sidewalk given the steep gradient at this location. To facilitate the connection to the existing City of Ann Arbor sanitary sewer, Jack and Bore methods will be utilized to minimize the wetland/stream impact to the greatest extent possible. Alternatives site designs included open trench construction which would have been easier to construct but would have resulted in more wetland/stream impact and therefore was not considered a feasible and prudent approach. The proposed Stormwater Detention Basins were designed utilizing Best Management Practices and meets the first flush, bank full and 100-year storm water detention as required by the Washtenaw County Water Resources Commissioner's Office by providing three onsite detention basins. Basins A & B are designed to infiltrate both first flush and bankfull runoff, whereas Basin C is designed to discharge the first flush in 29.7 hours and bankfull runoff at 40.1 hours to minimize impacts to the state regulated streams.

**Project Compensation: Describe how the proposed impacts to state and federal regulated waters will be compensated, OR explain why compensatory mitigation should not be required for the proposed impacts. Include amount, location, and method of compensation (i.e., bank, on-site, preservation, etc.)**

The project proposes to fill 123 square feet wetland. Since the impact is minimal, no compensatory mitigation is proposed.

**Upload any additional information as needed to provide information applicable to your project regarding project purpose sequence, methods, alternatives, or compensation.**

NONE PROVIDED  
**Comment**  
NONE PROVIDED

**Resource and Activity Type**



**Important! Answer all questions completely. Properly identifying your project in this section generates the proper application sections. Incomplete applications will require corrections before they can be fully processed.**

**SELECT THE ACTIVITIES** from the list below that are proposed in your project (check ALL that apply). If you don't see your project type listed, select "Other Project Type". These activities listed require additional information to be gathered later in the application.

Culverts - Stream Only

Utility Crossings - Below Ground

**The Proposed Project will involve the following resources (check ALL that apply).**

Wetland

Stream or River

### Major Project Fee Calculation Questions

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**Is filling of 10,000 cubic yards or more proposed (cumulatively) within wetlands, streams, lakes, or Great Lakes?**

No

**Is dredging of 10,000 cubic yards (cumulatively) or more proposed within streams, lakes, or Great Lakes? (wetlands not included)**

No

**Is new dredging or adjacent upland excavation in suspected contamination areas proposed by this application?**

No

**Is a subdivision, condominium, or new golf course proposed?**

Yes

### Wetland Project Information and Impacts

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#### PLEASE READ

This section is for entering information regarding the impacts to Wetlands only. Do not input information that pertains to other resources (inland lakes, streams, floodplains, etc.). The initial questions are related to wetlands on the project site in general. The Proposed Activities questions are grouped into Fill, Dredge, Structures, Other and are only for wetland impacts related to these activities.

[Click HERE for more information on Wetlands Protection Program.](#)

**Has a professional wetland delineation been completed for this site?**

Yes

**Attach a copy of wetland delineation report with data form.**

TOLL BROTHERS CONCORDIA - WETDEL REPORT v.2 10-12-2020.pdf - 09/14/2021 12:44 PM

**Comment**

NONE PROVIDED

**Total acres of wetland affected by this project.**

Category	Affected area (acres)
Permanent	.003
Temporary	0
	Sum: 0.003

**Is filling or draining of 1 acre or more (cumulatively) of wetland proposed?**

No

**Select all wetland types that will be affected by this project:**

Other: Stream Channel

**The following questions gather information on the specific Types of Activities your project includes that will impact WETLANDS. There are four overall Types of Activities: Fill, Dredge, Structure, Other. Under each of the Activity Type questions, specific activity lists will be shown. If the activity is not shown in the list given, select None of the Above and move to the next question. When you select an activity under Fill, Dredge, Structure, or Other, a table will appear under that type. Only enter the dimensions of the activity that are within wetland. Multiple activities covering the**

same footprint may be combined on one line in the table. Continue to answer the Activity Type questions (Fill, Dredge, Structure, Other) until all have been answered with either a specific Activity listed under that Type or  None of the Above . If you did not find your activity in any list then select  Other, Other  and provide a description of your activity.

If your project includes placing fill in wetland then select the proposed activities from the following list. If your activity is not shown, then select  None of the Above  and move to the next question. Only enter an impacted area in one of the impact tables (do not duplicate impact entries):

Riprap  
General Fill

Complete this table for projects involving Fill. Enter each activity/ location that corresponds with each activity selected in the previous question and enter the dimensions. Activities may be entered in one line of the table if they occupy the same impact footprint and cannot be broken out separately (Example: Activity - Driveway and Riprap slope). Multiple activities in different locations should be listed on different lines of the table.

Activity	Length (feet)	Width (feet)	Depth (feet)	Area (square feet)	Volume (cubic feet)	Volume (cubic yards)	Corrected value for complex impact AREAS (square feet)
Culvert Extension	10	12.1	7.3	121	883.3	33	33
				Sum: 121	Sum: 883.3	Sum: 33	Sum: 33

**Source of Fill Material:**

Off-site

**Please Describe**

Proper engineered fill will be trucked onsite and placed over the culvert extension

**Type of Fill.**

Sand

**Is riprap proposed?**

Yes

**Indicate size range of riprap in inches:**

6-12 inch round stone

**Type of riprap**

Field stone

**Will material be installed under the riprap?**

No

Select from the following list for Excavation/Dredge Activities (if your proposed project is primarily a structure enter the impact as a structure. Only enter an impacted area in one of the impact tables in one impact section):

None of the above

If your project includes STRUCTURES IN WETLAND then select all of the proposed activities in the following list. If your activity is not shown, then select  None of the Above  and move to the next question. Only enter an impacted area in one of the impact tables (do not duplicate impact entries):

Culvert

**Projects involving Structures:**

Activity	Length (feet)	Width (feet)	Depth (feet)	Area (Sq. feet)	Volume (cubic feet)	Volume (cubic yards)	Corrected value for complex impact AREAS (square feet)
Culvert Extension	18	3.5	3	63	189	7	0
				Sum: 63	Sum: 189	Sum: 7	Sum: 0

If your project includes **Other Activities in WETLAND** not listed in this section, then select from the proposed activities in the following list. If your activity in Wetland has not been listed in this Wetland Section, then select **Other** and enter a description of your activity. Only enter an impacted area in one of the impact tables (do not duplicate impact entries). If you selected a **Fill, Excavation/Dredging, or Structure** activity above in this section, but do not have an activity listed as **Other**, then select **None of the Above** for this question.

None of the above

### **Wetland Mitigation**

EGLE may impose as a condition of any wetland permit, other than a General permit, a requirement for compensatory mitigation. The wetland mitigation requirement may be waived for projects affecting less than one-third of an acre of wetland if no reasonable opportunity for mitigation exists.

Mitigation plans according to the mitigation checklist ([link](#)) are required for a complete application  
[Wetland Mitigation Information](#)

### **Is Wetland Mitigation being proposed as part of this proposed project?**

No

#### **Explain why no mitigation is proposed.**

The project proposes to fill 123 square feet wetland. Since the impact is minimal, no compensatory mitigation is proposed.

## **Stream Project Information (1 of 1)**

### **Stream Information**

This section is for entering information regarding the impacts to a stream only. Do not input information that pertains to other resources (inland lakes, Great Lakes, floodplains, etc.).

If there are multiple streams associated with the project impacts, or different Ordinary High Water Mark (OHWM) elevation data on the stream reach, provide the information in duplicate stream project information tabs by clicking on **DUPLICATE** at the top right or bottom of this screen.

Elevation data must include a description of the reference point or benchmark used and its corresponding elevation. If elevations are from still water provide the observation date and water elevation. Include information in this section only as it pertains to proposed project activities in regards to impacts to streams.

This section is for entering information regarding the impacts to Streams only. Do not input information that pertains to other resources (Great Lakes, streams, floodplains, etc.).

Elevation data must include a description of the reference point or benchmark used and its corresponding elevation. If elevations are from still water provide the observation date and water elevation. Information provided in this section should pertain only to proposed activities in regards to Inland Lake impacts.

An OHWM can be determined by either surveyed information or through measurements taken in reference to a static benchmark such as an observed water level or base of a tree, etc. The following information indicates how to determine the OHWM in different situations:

OHWM for Inland Lakes (Part 301) is the line between upland and bottomland identified by the presence of a distinct change in character of the land caused by successive changes in water levels.

In Section 10 regulated waters, the U.S. Army Corps of Engineers (USACE) regulates activities below the USACE Great Lakes OHWM elevation.

See EGLE's YouTube Series for OHWM video tutorials, and the sample OHWM drawing for more information.  
[Determining the Ordinary High Water Mark \(OHWM\) - Video](#)

#### **Please provide a name for the stream, river, channel:**

Unnamed Ephemeral Stream

#### **Stream Water elevation reference\* (show elevation on plans with description):**

NAVD 88

#### **Ordinary High Water Mark (OHWM) elevation (feet):**

842.5

Date of observation (M/D/Y)

03/08/2021

What length (feet) does the project activity(ies) extend waterward of the OHWM?

18

What length (feet) does the project activity(ies) extend landward of the OHWM?

10

Is the drainage area upstream of the proposed project area greater than 2 sq. miles?

No

What is the the width (feet) of the stream where the water begins to overflow its banks. This is called the Bankfull width.

4

Will a turbidity curtain be used during the proposed project?

No

If there are multiple streams associated with the project impacts, or different Ordinary High Water Mark (OHWM) elevation data on the stream reach, provide the information in duplicate stream project information tabs by clicking on DUPLICATE or ADD NEW below. This adds a new section where you will enter the information about additional project impacts.

## Inland Lakes, Great Lakes and Stream Impacts (1 of 1)

### PLEASE READ

This section will collect information regarding Inland Lakes, Great Lakes, and Streams impacts and activities only. The initial questions are related to which waterbody the impacts pertain to. When there are multiple waterbodies (e.g., some impacts are on an inland lake and some impacts are on a stream), fill out a DUPLICATE tab for each waterbody impacted. For each waterbody, questions will be asked regarding the proposed activities. Proposed Activities questions are grouped into Fill, Dredge, Structures, Other and are only for the impacts related to these groups. Click [HERE](#) for more information on the Inland Lakes and Streams Protection Program.

[Link to information on Inland Lakes and Streams Permitting](#)

The following impact description applies to: (select only one at a time, duplicate this entire section if there are impacts to multiple waterbody types):

Stream

### Linear feet of stream affected by your project

Category	Affected linear feet (ft)
Permanent	22
Temporary	0
	Sum: 22

The following questions gather information on the specific Types of Activities your project includes that will impact INLAND LAKES, STREAMS, AND GREAT LAKES. There are four overall Types of Activities: Fill, Dredge, Structure, and Other. Under each of the Activity Type questions, specific activity lists will be shown. If the activity is not shown in the list given, select None of the Above and move to the next question. When you select an activity under Fill, Dredge, Structure, or Other, a table will appear under that type. Only enter the dimensions of the activity that are within INLAND LAKES, STREAMS, or GREAT LAKES. Multiple activities covering the same footprint may be combined on one line in the table. Continue to answer the Activity Type questions (Fill, Dredge, Structure, Other) until all have been answered with either a specific Activity listed under that Type or  None of the Above . If you did not find your activity in any list then select  Other, Other  and provide a description of your activity.

Select from the following list all Fill Activities (select all that apply to this waterbody impacted):

Backfill

Riprap

Complete this table for projects involving Fill below the Ordinary High Water Mark. Enter each activity/ location that corresponds with each activity selected in the previous question and enter the dimensions. Activities may be entered in one line of the table if they occupy the same impact footprint and cannot be broken out separately (Example: Activity - Driveway and Riprap slope). Multiple activities in different locations should be listed on different

lines of the table.

Activity	Length (feet)	Width (feet)	Depth (feet)	Area (square feet)	Volume (cubic feet)	Volume (cubic yards)	Corrected Value for complex impact Area (square feet)
Culvert Extension	22	4	7.3	88	642.4	24	33
				Sum: 88	Sum: 642.4	Sum: 24	Sum: 33

**Type of Fill**

Sand  
Other: 42" Culvert Extension

**Source of Fill**

Off-site

**Is riprap proposed?**

Yes

**Indicate size range of riprap:**

6-12" Round Stone

**Type of riprap**

Field stone

**Will material be installed under the riprap?**

No

**Activities Involving Dredging or Excavation: Select from the following list for Excavation/Dredge Activities (select all that apply to this waterbody impacted):**

No Dredging/Excavation Proposed

**If your project includes STRUCTURES then select all of the proposed activities in the following list. If your activity is not shown, then select None of the Above and move to the next question. Only enter an impacted area in one of the impact tables (do not duplicate impact entries):**

Utility Structure  
Culvert

**Projects involving Structures constructed below the Ordinary High Water Mark:**

Activity	Length (feet)	Width (feet)	Depth (feet)	Area (square feet)	Volume (cubic feet)	Volume (cubic yards)	Corrected value for complex impact AREAS (square feet)
Culvert Extension	18	3.5	1	63	63	2	NONE PROVIDED
				Sum: 63	Sum: 63	Sum: 2	Sum: NaN

**If your project includes Other Activities not listed in this section, then select from the proposed activities in the following list. If your activity has not been listed in this Section, then select Other and enter a description of your activity. Only enter an impacted area in one of the impact tables (do not duplicate impact entries). If you selected a Fill, Excavation/Dredging, or Structure activity above in this section, but do not have an activity listed as Other, then select None of the Above for this question.**

None of the above

**Does the proposed project include mitigation?**

none

If there are multiple waterbodies associated with the project impacts, or different Ordinary High Water Mark (OHWM) elevation data on the waterbody, provide the information in duplicate stream project information tabs by clicking on DUPLICATE or ADD NEW below. This adds a new section where you will enter the information about additional project impacts.

## Bridges and Culverts (1 of 1)

**Complete once for a single structure or add multiple sections when multiple structures are proposed.**

Use the duplicate button to copy this section to enter information about each individual structure. If there are two or more you should duplicate for each one.

**Unique Identifier:**

Culvert Extension

**STREAM INFORMATION**

**Width of the stream**

Upstream (feet)	Downstream (feet)
4	4

**Cross-sectional area of primary channel (square feet):**

8

**The width of the stream where the water begins to overflow its banks. Bankfull width (feet):**

4

**Is there an existing structure?**

Yes

**Is the existing Structure perched?**

No

Click the link below to view bridge profile sample drawings.

[Click here for link](#)

**Help for the following Table**

Structure Width: Enter the total width of culvert or bridge in feet.

Culvert Length or Bridge span: Enter the total length perpendicular or across the stream in feet.

Culvert Height Prior to any burying: Enter the total width of culvert in feet at this location as it measures on land. Do not subtract any depth the culvert may be buried. For bridges enter "0".

Depth culvert buried: Enter total feet the culvert bottom will be buried. Does not apply to bridges so enter "0".

Bottom of bridge beam (upstream) elevation (feet): For culverts enter "0".

Bottom of bridge beam (downstream) elevation (feet): For culverts enter "0".

Stream Invert Elevation (feet) Upstream: This is the elevation at the bottom of the culvert as it lies in place after installation on the upstream end of the culvert, not including any fill on the culvert bottom.

Stream Invert Elevation (feet) Downstream: This is the elevation at the bottom of the culvert as it lies in place after installation on the downstream end of the culvert, not including any fill on the culvert bottom.

Bridge rise from bottom of beam to streambed or culvert crown height (feet): This is the elevation at the top of the culvert as it lies in place after installation, for bridges this is from the bottom of the beam. Do not including any fill on top of the culvert or the bridge structure.

Total structure waterway area above streambed (square feet): This is the total square foot area that would allow passage of water through the structure opening.

Total structure waterway area below the 100-year elevation (square feet) (if known): This is the total square foot area that would allow passage of water that is below the 100-year flood elevation.

Elevation of road grade at structure (feet): Enter the elevation at the road above the structure.

Elevation of low point in road (feet): Enter the elevation of the lowest point in the road nearest the structure.

Distance from low point of road to mid-point of structure (feet): How far (in feet) from the structure does any fill used for the

structure extend before it reaches the existing grade?

Length of approach fill from edge of bridge/culvert to existing grade (feet):

**Existing and Proposed Bridge and/or Culvert Information**

Question	Existing	Proposed
Bridge width or Culvert length (parallel to stream) (feet)	100	118
Bridge span or Culvert width/diameter (perpendicular to stream) (feet)	3.5	3.5
Height of culvert prior to burying (if bridge enter 0)	3.5	3.5
Depth culvert buried (feet) (if bridge enter 0)	1	1
Bottom of bridge beam (feet) upstream (if culvert enter 0)	842.5	842.5
Bottom of bridge beam (feet) downstream (if culvert enter 0)	842.0	842.0
Stream invert elevation at bridge (feet) upstream	842.5	842.5
Stream invert elevation at bridge (feet) downstream	842.0	842.0
Bridge rise from bottom of beam to streambed or culvert crown height (feet)	2.5	2.5
Total structure waterway opening above streambed (square feet)	10	10
Total structure waterway area below the 100-year elevation (square feet) (if applicable)	0	0
Elevation of road grade at structure (feet)	0	0
Elevation of low point in road (feet)	0	0
Distance from low point in road (feet)	0	0
Length of approach fill from edge of bridge/culvert to existing grade (feet)	10	10

**Culvert Type**

Existing	Proposed
Box	Box

**Culvert Material**

Existing	Proposed
Concrete	Concrete

**Structure Entrance Design Type:**

Existing	Proposed
Projecting	Projecting

**Certification Upload**

NONE PROVIDED

**Comment**

Less than 2 square mile drainage area

**Utility Crossings**

Select all resource types that are proposed to be crossed by this project:

- Stream
- Wetlands

How many total stream crossings are proposed?

1

How many total wetland crossings are proposed?

1

Enter the type and total number of acres of wetland that will be converted from one wetland type to another wetland type.

Wetland type	Acres of impact
--------------	-----------------

Wetland type	Acres of impact
Other: Stream bottom	.001

**Instructions:**

For wetland crossings using the open trench method show clay plugs at the wetland/upland boundaries on plans.

Please identify each individual crossing on proposed project plans.

**List of Utility Crossing Impacts**

Unique Identifier	Type of Crossing	Method	Utility Type	Length (feet)	Pipe diameter (inches)	Distance below surface (feet)	Trench width (feet)
Sanitary Sewer	Stream	Jack and Bore	Sanitary sewer	10	18	2	0

**Upload of Proposed Site Plans**

**REQUIRED Application, maps, and drawings:**

- \*Overall Project Site Plan
- \*Cross-Sectional Drawings

For Part 315 Dam Safety applications attach detailed signed and sealed engineering plans for a Part 315 dam repair, dam alteration, dam abandonment, or dam removal.

[Examples site plan and cross-sectional drawings](#)

[For additional information on maps, drawings, and other attachments visit michigan.gov/jointpermit](#)

**Required on all Site Plan uploads. Please identify that all of the following items are included on your plans that you upload with this application.**

Site Plan Features	Existing and Proposed Plan Set
Scale, Compass North, and Property Lines	Yes
Fill and Excavation areas with associated amounts in cubic yards	Yes
Any rivers, lakes, or ponds and associated Ordinary High Water Mark (OHWM)	Yes
Exterior dimensions of Structures, Fill and Excavation areas associated with the proposed project	Yes
Dimensions to other Structures and Lot Lines associated with the project	Yes
Topographic Contour Lines from licensed surveyor or engineer when applicable	Yes

**Upload Site Plans and Cross Section Drawings for your Proposed Project**

20003119EG EGLE Wetland Impact Plans 9.22.21.pdf - 09/22/2021 04:17 PM

**Comment**  
NONE PROVIDED

**Additional Required and Supplementary Documents**

NONE PROVIDED  
**Comment**  
NONE PROVIDED

**Fees**

The application fee identified in this section is a calculation based on answers to the questions in this application. This calculation is an estimate of the total fee and will be reviewed by the application processor to determine if any additional fees are required for a complete application.



Major Project Fee
+\$2000.00

**Total Fee Amount:**

\$2000.00

**Is the applicant or landowner a State of Michigan Agency?**

No