



JOINT PERMIT APPLICATION



U.S. ARMY CORPS OF ENGINEERS (USACE)
 Detroit District Office
 Phone: 313-226-2218, Fax: 313-226-6763
 Website: www.lre.usace.army.mil/regulatory

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY (MDEQ)
 Geological and Land Management Division (GLMD)
 Phone: 517-373-9244, Fax: 517-241-9003
 Website: www.michigan.gov/deq

This "Joint Permit Application" package was developed to facilitate the state and federal permit application process administered by the MDEQ and the USACE, respectively, for regulated activities where the land meets the water, including wetlands, often referred to as the land/water interface. The status of your application being processed by the state can be viewed on the DEQ website under "[Online Services](#)", then "Michigan Coastal and Inland Waters Permit Information System."

Permit applications should be sent to the Permit Consolidation Unit (PCU), GLMD, MDEQ for initial review. Once the PCU has received the information necessary for review of the project, **including drawings that have adequate detail for review** and the **full application fee**, the file will be sent to the appropriate MDEQ District/Field Office for site inspection and final processing. You will receive a card or a public notice that will tell you your file number and the telephone number of the office where your application is being processed. The PCU review time for complete applications ranges from 15 to 45 days. District/Field Office processing times usually range from 60 to 90 days. Processing times will be longer if a public hearing is held. A GLMD staff person from your local District/Field Office may visit your project site and may contact you for additional information prior to issuance of a permit, if approved. If a federal permit will also be required, a copy of the permit application will be sent to the Detroit District Office, USACE, for processing at the federal level. Additional copies of this application form can be downloaded from the DEQ website under "[Permits](#)", then "[MDEQ/USACE Joint Permit Application](#)" or can be photocopied from the original. If you have any questions about the permitting process or if you need to modify your application, you can contact the PCU by phone or fax at the numbers above, by mail at the address below, or by email at DEQ-LWM-PCU@michigan.gov.

The GLMD, MDEQ, regulates activities under the following Parts of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. The regulated activities are summarized in Appendix D. The complete statutes and rules can be downloaded from our website under "[Permits](#)", then "[MDEQ/USACE Joint Permit Application](#)."

- Part 301, *Inland Lakes and Streams*
- Part 303, *Wetlands Protection*
- Part 325, *Great Lakes Submerged Lands*
- *Floodplain* Regulatory Authority found in Part 31, *Water Resources Protection*
- Part 353, *Sand Dunes Protection and Management*
- Part 323, *Shorelands Protection and Management*
- Part 315, *Dam Safety*

The USACE has the authority to regulate activities within the waters of the United States under the following statutes:

- Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403)
- Section 404 of the Clean Water Act (33 U.S.C. 1344)

Complete all items in Sections 1 through 9, on pages 1 and 2 of the application (italicized words are defined in Appendix E):

- Please **print** all information and use either **black or blue ink**.
- Make sure you:
 - Provide the Township, Range, Section, and Property Tax Identification Numbers required in Section 1.**
 - Provide the requested information for all *adjacent and impacted property owners* in Section 8.
 - Print your name and sign and date your application in Section 9. If applicant is a corporation, include title of authorized representative.

Prepare maps and drawings with black or blue ink and provide adequate detail for review:

- Read and follow the "**General Instructions for all Drawings**" on page 1 of Appendix B.
- Review the sample site location maps in Sample Drawing 1 and prepare a site location map for your project location.
- Prepare an Overall Site Plan following the instructions on page 1 of Appendix B.
- Review the Plan View and Cross-Section (elevation) Sample Drawings 2 through 23 in Appendix B for the type of information required for your project.
- Prepare site-specific Plan View and Cross-Section Drawings for your proposed project showing existing and proposed details.

Complete project specific information:

- Complete items in Sections 10 through 21 on pages 3 through 7 that apply to your project following the instructions at the beginning of each section. The instructions for each sample drawing in Appendix B indicates the application sections you will most likely need to complete.
- If your project is located on a Great Lake, elevations must be provided in IGLD 85. If the elevation is surveyed, please describe the reference point or benchmark used, and its elevation. If the elevation is from a still water elevation, please note this and provide observed water elevation and date of observation. For observed Great Lake water elevations in IGLD 85 visit the USACE website under "water levels". On inland waters, generally use NGVD 29 or a local datum, NGVD 29 or IGLD 85 must be used for *Section 10 Waters*. The state building code requires an Elevation Certificate for any building construction or addition in the floodplain. This form can be found at www.fema.gov/library/elvcert.pdf.

To prevent processing delays, make sure only the following items are mailed to the PCU at the address below, label each attachment with applicant's name and date:

- Pages 1 and 2 of the application.
- Pages 3 through 7 of the application. Do not submit blank application pages. Submit only those pages where you have provided information.
- The Site Location Map, Overall Site Plan, Plan View and Cross-Section Drawings, and additional information sheets on 8.5 x 11 standard weight paper suitable for photocopying for public notice purposes. If larger drawings or blueprints are required to show adequate detail for review, submit 5 full size copies.
- An authorization letter from the property owner if someone other than the property owner is signing the application.
- A check made payable to the **State of Michigan** (refer to Appendix C for the correct permit application filing fee).

**MDEQ, GLMD PCU,
 P.O. BOX 30204
 LANSING, MI 48909-7704**

To reduce the processing time:

- Please flag the area for site inspection including the property corners, proposed road or driveway centerlines, and areas of proposed impacts.
- Descriptive photographs of the proposed work site are optional, but may assist staff in processing your application more quickly - e.g., showing vegetation if wetlands are involved or the *shoreline* for shore protection projects. All photographs must be labeled with your name and date of photograph, indicate what they show, and be referenced to the site plan. Proposed activities or structure(s) may be indicated directly on the photographs using indelible markers or ink pens.



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AGENCY USE	Previous USACE Permit or File Number	Date Received	Geological and Land Management Division, MDEQ File Number				AGENCY USE
	USACE File Number		Marina Operating Permit Number				
			Fee received \$				

• Print in black or blue ink and complete all items in Sections 1 through 9 and those items in Sections 10 through 21 that apply to your proposed project.

1 PROJECT LOCATION INFORMATION

• Refer to your property's legal description for the Township, Range, and Section information, and your property tax bill for your Property Tax Identification Number(s).

Address		Township Name(s)	Township(s)	Range(s)	Section(s)
City/Village	County(ies)	Property Tax Identification Number(s)			
Name of Waterbody	Project Name or Job Number	Subdivision/Plat	Lot Number	Private Claim	
Project types (check all that apply) <input type="checkbox"/> private <input type="checkbox"/> building addition <input type="checkbox"/> other (explain) <input type="checkbox"/> public/government <input type="checkbox"/> new building or structure <input type="checkbox"/> industrial <input type="checkbox"/> building renovation or restoration <input type="checkbox"/> commercial <input type="checkbox"/> river restoration <input type="checkbox"/> multi-family <input type="checkbox"/> single-family					
The proposed project is on, within, or involves (check all that apply) <input type="checkbox"/> a stream <input type="checkbox"/> a pond (less than 5 acres) <input type="checkbox"/> a river <input type="checkbox"/> a ditch or drain <input type="checkbox"/> a floodway area <input type="checkbox"/> a channel/canal <input type="checkbox"/> an inland lake (5 acres or more) <input type="checkbox"/> a 100-year floodplain <input type="checkbox"/> a legally established County Drain (date established _____) <input type="checkbox"/> a Great Lake or Section 10 Waters <input type="checkbox"/> a designated high risk erosion area <input type="checkbox"/> a designated critical dune area <input type="checkbox"/> a designated environmental area <input type="checkbox"/> a natural river <input type="checkbox"/> a dam <input type="checkbox"/> a wetland <input type="checkbox"/> 500 feet of an existing waterbody <input type="checkbox"/> a new marina <input type="checkbox"/> a structure removal <input type="checkbox"/> a utility crossing					

2 DESCRIBE PROPOSED PROJECT AND ASSOCIATED ACTIVITIES, AND THE CONSTRUCTION SEQUENCE AND METHODS

• Attach separate sheets, as needed, including necessary drawings, sketches, or plans.

3 APPLICANT, AGENT/CONTRACTOR, AND PROPERTY OWNER INFORMATION

• The applicant can be either the property owner or the person or company that proposes to undertake the activity.
 • If the applicant is a corporation, both the corporation and its owner must provide a written document authorizing the agent/contractor to act on their behalf.

Applicant (individual or corporate name)	Agent/Contractor (firm name and contact person)
Mailing Address	Address
City State Zip Code	City State Zip Code
Daytime Telephone Number with Area Code	Daytime Telephone Number with Area Code
Fax E-mail	Fax E-mail
Is the applicant the sole owner of all property on which this project is to be constructed and all property involved or impacted by this project? <input type="checkbox"/> No <input type="checkbox"/> Yes (If No, provide a letter signed by the property owner authorizing the agent/contractor to act on his or her behalf or a copy of easements or right-of-ways. If multiple owners, please attach all property owners' names, mailing addresses, and telephone numbers.)	
Property Owner's Name (If different from applicant)	Mailing Address
Daytime Telephone Number with Area Code	City State Zip Code

4 PROPOSED PROJECT PURPOSE, INTENDED USE, AND ALTERNATIVES CONSIDERED (Attach additional sheets if necessary)

• The purpose must include any new development or expansion of an existing land use.
 • Include a description of alternatives considered to avoid or minimize resource impacts. Include factors such as, but not limited to, alternative construction technologies; alternative project layout and design; alternative locations; local land use regulations and infrastructure; and pertinent environmental and resource issues.
 • For utility crossings, include both alternative routes and alternative construction methods.



5 LOCATING YOUR PROJECT SITE

- Provide the requested information listed below that will help staff in locating your project site.
- Attach a copy of a map, such as a plat, county, or USGS topographic map, clearly showing the site location and include an arrow indicating the north direction.

Is there an access road to the project? No Yes (If Yes, type of road, **check all that apply**) private public improved unimproved
 Name of roads at closest main intersection _____ and _____
 Directions from main intersection _____

Style of house or other building on site ranch 2-story cape cod bi-level cottage/cabin pole barn none other (describe) _____
 Color _____ Color of adjacent property house and/or buildings _____
 House number _____ Address is visible on house garage mailbox sign other _____
 Street name _____ Fire lane number _____ Lot number _____
 How can your site be identified if there is no visible address? _____
 Provide directions to the project site, with distances from the best and nearest visible landmark and waterbody _____

Does project cross boundaries of two or more political jurisdictions? (City/Township, Township/Township, County/County, etc.)
 No Yes (If Yes, list jurisdiction names.)

6 List all other federal, interstate, state, or local agencies authorizations required for the proposed activity, including all approvals or denials received.

Agency	Type approval	Identification number	Date applied	Date approved / denied	If denied, reason for denial

7 If a permit is issued, date activity will commence (M/D/Y)

Has any construction activity commenced or been completed in a regulated area? <input type="checkbox"/> No <input type="checkbox"/> Yes If Yes, identify the portion(s) underway or completed on drawings or attach project specifications and give completion date(s) (M/D/Y)	Proposed completion date (M/D/Y) Were the regulated activities conducted under a MDEQ permit? <input type="checkbox"/> No <input type="checkbox"/> Yes If Yes, list the MDEQ permit number
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Are you aware of any unresolved violations of environmental law or litigation involving the property? No Yes (If Yes, please explain)

8 PUBLIC NOTIFICATION (Attach additional sheets if necessary)

- Complete information for all *adjacent and impacted property owners* and the lake association or established lake board including the contact person's name.
- If you own the adjacent lot, provide the requested information for the first adjacent parcel beyond your property line.

Property Owner's Name	Mailing Address	City	State	Zip Code

Name of Established Lake Board or Lake Association and the Contact Person's name, phone number, and mailing address

9 APPLICANT'S CERTIFICATION READ CAREFULLY BEFORE SIGNING

I am applying for a permit(s) to authorize the activities described herein. I certify that I am familiar with the information contained in this application, that it is true and accurate, and, to the best of my knowledge, is in compliance with the State *Coastal Zone Management Program* and the *National Flood Insurance Program*. I understand that there are penalties for submitting false information and that any permit issued pursuant to this application may be revoked if information on this application is untrue. I certify that I have the authority to undertake the activities proposed in this application. By signing this application, I agree to allow representatives of the MDEQ, USACE, and/or their agents or contractors to enter upon said property in order to inspect the proposed activity site and the completed project. I understand that I must obtain all other necessary local, county, state, or federal permits and that the granting of other permits by local, county, state, or federal agencies does **not** release me from the requirements of obtaining the permit requested herein before commencing the activity. I understand that the payment of the application fee does **not** guarantee the issuance of a permit.

- All applicants must complete all the items in Sections 1 through 9 on pages 1 and 2 of this application.
- Complete those items in Sections 10 through 21 that apply to your project. Submit only those pages where you have provided information.
- **Please list here the application page numbers being submitted and a brief description of other attachments included with your application.**
- Your permit decision will be delayed if forms are incomplete or maps and/or drawings are not submitted.

<input type="checkbox"/> Property Owner <input type="checkbox"/> Agent/Contractor <input type="checkbox"/> Corporation - Title _____	Printed Name	Signature	Date
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10 PROJECTS IMPACTING WETLANDS OR FLOODPLAINS OR LOCATED ON AN INLAND LAKE OR STREAM OR A GREAT LAKE

- Check boxes A through N that may be applicable to your project and provide the requested information.
- If your project may affect wetlands, also complete Section 12. If your project may impact regulated *floodplains*, also complete Section 13.
- Provide an overall site plan showing existing lakes, streams, wetlands, and other water features; existing *structures*; and the location of all proposed *structures*, land change activities and *soil erosion and sedimentation control measures*. Please review sample drawings for guidance in completing site-specific drawings for your project.
- On a Great Lake use *IGLD 85* surveyed converted from observed still water elevation. On inland waters, *NGVD 29* local datum other _____
Observed water elevation (ft) _____, date of observation (M/D/Y) _____

A. PROJECTS REQUIRING FILL (See All Sample Drawings)

- To calculate volume in cubic yards (cu yd), multiply the average length in feet (ft) times the average width (ft) times the average depth (ft) and divide by 27.
- Attach both plan and *cross-section* views to scale showing maximum and average fill dimensions.

(Check all that apply) floodplain fill wetland fill riprap seawall, bulkhead, or revetment bridge or culvert
 boat launch off-shore swim area beach sanding boatwell crib dock other _____

Fill dimensions (ft) length	width	maximum depth	Fill volume (cu yd)	Maximum water depth in fill area (ft)
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Type of clean fill pea stone sand gravel wood chips other _____
 Will filter fabric be used under proposed fill?
 No Yes (If Yes, type)

Source of clean fill on-site, **If on-site**, show location on site plan commercial other, **If other**, attach description of location

Fill will extend _____ feet into the water from the *shoreline and upland* _____ feet out of the water.

B. PROJECTS REQUIRING DREDGING OR EXCAVATION (For dredging projects see Sample Drawing 7, for excavation see other applicable Sample Drawings)

- To calculate volume in cubic yards (cu yd), multiply the average length in feet (ft) times the average width (ft) times the average depth (ft) and divide by 27.
- Attach both plan and *cross-section* views to scale showing maximum and average dredge or excavation dimensions.
- The applicant will be notified if sediment sampling is required.

(Check all that apply) floodplain excavation wetland dredge or draining seawall, bulkhead, or revetment
 navigation boat well boat launch other _____

Dredge/excavation volume (cu yd)	Dimensions length width depth	Method and equipment for dredging
----------------------------------	----------------------------------	--------------------------------------

Has proposed dredge material been tested for contaminants?
 No Yes (If Yes, attach testing results)
 Will dredged or excavated spoils be placed on-site off-site
 Attach a detailed disposal area site plan and location map.

Has this same area been previously dredged? No Yes (If Yes, provide date and permit number, if available)
 If Yes, are you proposing to enlarge the previously dredged area No Yes

Is long-term maintenance dredging planned? No Yes (If Yes, when and how much?)

C. PROJECTS REQUIRING RIPRAP (See Sample Drawings 2, 3, 8, 12, 14, 17, 22, and 23. Others may apply)

Riprap waterward of the <input type="checkbox"/> shoreline OR <input type="checkbox"/> ordinary high water mark	Dimensions (ft) length width depth	Volume (cu yd)
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Riprap landward of the <input type="checkbox"/> shoreline OR <input type="checkbox"/> ordinary high water mark	Dimensions (ft) length width depth	Volume (cu yd)
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Type of riprap field stone angular rock other _____

Will filter fabric be used under proposed riprap? No Yes (If Yes, type)

D. SHORE PROTECTION PROJECTS (See Sample Drawings 2, 3, and 17)

(check all that apply)
 riprap – length _____ ft. seawall/bulkhead – length _____ ft. revetment – length _____ ft.
 Distances of project from both property lines (ft)

E. DOCK - PIER - MOORING PILINGS (See Sample Drawing 10)

Type <input type="checkbox"/> open pile <input type="checkbox"/> filled <input type="checkbox"/> crib	Seasonal structure? <input type="checkbox"/> No <input type="checkbox"/> Yes
---	--

Proposed structure dimensions (ft) length width	Dimensions of nearest adjacent structures (ft) length width
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F. BOAT WELL (No Sample Drawing available)
 Type of bank stabilization wood steel concrete vinyl riprap other _____
 Boat well dimensions (ft) length width depth Number of boats

Volume of backfill behind sidewall stabilization (cu yd) Distances of boat well from adjacent property lines (ft)

G. BOAT LAUNCH (No Sample Drawing available) (check all that apply) new existing public private commercial replacement

Proposed overall boat launch dimensions (ft) length width depth	Type of material <input type="checkbox"/> concrete <input type="checkbox"/> wood <input type="checkbox"/> stone <input type="checkbox"/> other _____
---	--

Existing overall boat launch dimensions (ft) length width depth	Boat launch dimensions (ft) below ordinary high water mark length width depth
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Distances of launch from both property lines (ft)	Number of skid piers	Skid pier dimensions (ft) width length
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H. BOAT HOIST (No Sample Drawing available)

(Check all that apply) seasonal permanent cradle side lifter other _____ located on seawall dock bottomlands

I. BOARDWALKS AND DECKS IN WETLANDS - OR - FLOODPLAINS (See Sample Drawings 5 and 6)

(Check all that apply) boardwalk deck Boardwalk or deck is on fill piling Dimensions (ft) length width



10 Continued - PROJECTS IMPACTING WETLANDS OR FLOODPLAINS OR LOCATED ON AN INLAND LAKE OR STREAM OR A GREAT LAKE

<input type="checkbox"/> J. INTAKE PIPES (See Sample Drawing 16) <input type="checkbox"/> OUTLET PIPES (See Sample Drawing 22)			
Type <input type="checkbox"/> headwall <input type="checkbox"/> end section <input type="checkbox"/> pipe <input type="checkbox"/> other _____		If outlet pipe, discharge is to <input type="checkbox"/> wetland <input type="checkbox"/> inland lake <input type="checkbox"/> stream, drain, or river <input type="checkbox"/> Great Lake <input type="checkbox"/> other _____	
Dimensions of headwall OR end section (ft) length _____ width _____ depth _____		Number of pipes _____	Pipe diameters and invert elevations _____
<input type="checkbox"/> K. MOORING AND NAVIGATION BUOYS (No Sample Drawing available)			
<ul style="list-style-type: none"> • Provide an overall site plan showing the distances between each buoy, distances from the shore to each buoy, and depth of water at each buoy in feet. • Provide cross-section drawing(s) showing anchoring system(s) and dimensions. 			
Number of buoys _____	Type of anchor system _____	Purpose of buoy <input type="checkbox"/> mooring <input type="checkbox"/> navigation	
Dimensions of buoys (ft) width _____ height _____		Do you own the property along the <i>shoreline</i> ? <input type="checkbox"/> No <input type="checkbox"/> Yes (If No, you must provide an authorization letter from the property owner(s))	
<input type="checkbox"/> L. GROINS (No Sample Drawing available)			
<ul style="list-style-type: none"> • Provide an overall site plan showing the distances (ft) of the outermost <i>groins</i> from the property lines, distances between <i>groins</i>, length and width of each <i>groin</i>, and the distance from the existing toe of the bluff to the lakeward end of the <i>groins</i>. • If existing <i>groins</i> are located on adjacent properties, provide distances (ft) from closest neighboring <i>groin</i> to your property lines on the site plan. Provide <i>cross-section</i> views showing the length and height of each <i>groin</i> and the height of <i>groin</i> ends above the observed water level (date and time). If step down type, show the height of each section above the observed water level. 			
Number of <i>groins</i> _____	Type of <i>groin</i> <input type="checkbox"/> steel <input type="checkbox"/> wood <input type="checkbox"/> other _____	Will <i>groin</i> be placed on a foundation? <input type="checkbox"/> No <input type="checkbox"/> Yes (If Yes, dimensions of foundation (ft)) length _____ width _____ height _____	
<input type="checkbox"/> M. FENCES IN WETLANDS, STREAMS, OR FLOODPLAINS (No Sample Drawing available)			
<ul style="list-style-type: none"> • FENCES an overall site plan showing the proposed fencing through wetlands, streams, or <i>floodplains</i>. • Provide drawing of fence profile showing the design, dimension, post spacing, board spacing, and distance from ground to bottom of fence (if in a <i>floodplain</i>). 			
(check all that apply) <input type="checkbox"/> wetlands <input type="checkbox"/> streams <input type="checkbox"/> <i>floodplains</i>		Total length (ft) of fence through wetlands _____ streams _____ <i>floodplains</i> _____	Fence height (ft) _____ Fence type and material _____
<input type="checkbox"/> N. OTHER - e.g., <i>structure</i> removal, <i>marine railway</i> , <i>low sand trap wall</i> , <i>breakwater</i> , and structural foundations in wetlands or <i>floodplains</i>			

11 EXPANSION OF AN EXISTING OR CONSTRUCTION OF A NEW LAKE OR POND (See Sample Drawings 4 and 15)

Which best describes your proposed waterbody use (check all that apply)			
<input type="checkbox"/> wildlife	<input type="checkbox"/> <i>stormwater retention basin</i>	<input type="checkbox"/> <i>stormwater detention basin</i>	<input type="checkbox"/> recreation <input type="checkbox"/> wastewater basin <input type="checkbox"/> other _____
Water source for lake/pond			
<input type="checkbox"/> groundwater	<input type="checkbox"/> natural springs	<input type="checkbox"/> <i>Inland Lake or Stream</i>	<input type="checkbox"/> stormwater runoff <input type="checkbox"/> pump <input type="checkbox"/> sewage <input type="checkbox"/> other _____
Location Of the lake/basin/pond			
<input type="checkbox"/> floodplain	<input type="checkbox"/> wetland	<input type="checkbox"/> upland	
Will project involve construction of a <i>dam</i> , <i>dike</i> , <i>outlet control structure</i> , or <i>spillway</i> ? <input type="checkbox"/> No <input type="checkbox"/> Yes (If Yes, complete Section 17)			

12 ACTIVITIES THAT MAY IMPACT WETLANDS

• For information on the MDEQ's *Wetland Assessment* Program, please visit the [GLMD website](#) or call 517-241-8485.

(check all that apply) fill (Section 10A) dredge or excavation (Section 10B) boardwalk or deck (Section 10I)
 fences (Section 10M) bridges and culverts (Section 14) draining surface water other _____

Has a professional wetland delineation been conducted for this parcel? <input type="checkbox"/> No <input type="checkbox"/> Yes (If Yes, please provide a copy; if federal method was used, supply data sheets)	Applicant purchased property <input type="checkbox"/> before OR <input type="checkbox"/> after October 1, 1980.
Is there a recorded DEQ easement on the property? <input type="checkbox"/> No <input type="checkbox"/> Yes (If Yes, please provide the number _____)	
Has the MDEQ conducted a <i>wetland assessment</i> for this parcel? <input type="checkbox"/> No <input type="checkbox"/> Yes (If Yes, please provide a copy)	
Describe the wetland impacts, proposed use or development, and efforts to avoid/minimize impacts. Describe the wetland alternatives and provide the type and amount of mitigation proposed if more than 1/3 acre is to be impacted.	

Is any grading or mechanized land clearing proposed? <input type="checkbox"/> No <input type="checkbox"/> Yes (If Yes, please show locations on site plan)	Has any of the proposed grading or mechanized land clearing been completed? <input type="checkbox"/> No <input type="checkbox"/> Yes (If Yes, please label and show locations on site plan)
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- Complete the wetland dredge and wetland fill dimension information for **each** impacted wetland area. Attach additional sheets if necessary and label the impacted wetland areas on a site plan drawn to scale. Please attach at least one typical *cross-section* for each wetland dredge and/or fill area. (See Sample Drawings 8 & 9)
- Also complete Section 10A for fill and Section 10B for dredge or excavation activities.
- If dredge material will be disposed of on site, please show the location on site plan in an *upland* area and include *soil erosion and sedimentation control measures*.

Wetland dredge dimensions	maximum length (ft)	maximum width (ft)	dredge area <input type="checkbox"/> acres <input type="checkbox"/> sq ft	average depth (ft)	dredge volume (cu yd)
Wetland fill dimensions	maximum length (ft)	maximum width (ft)	fill area <input type="checkbox"/> acres <input type="checkbox"/> sq ft	average depth (ft)	fill volume (cu yd)
Total wetland dredge area <input type="checkbox"/> acres <input type="checkbox"/> sq ft			Total wetland dredge volume (cu yd)		
Total wetland fill area <input type="checkbox"/> acres <input type="checkbox"/> sq ft			Total wetland fill volume (cu yd)		

The proposed project will be serviced by <input type="checkbox"/> public sewer <input type="checkbox"/> private septic system (If septic system, show existing and new or expanded system on plans)	If septic system, has application been made to the County Health Department for a permit? <input type="checkbox"/> No <input type="checkbox"/> Yes	If Yes, has permit been issued? <input type="checkbox"/> No <input type="checkbox"/> Yes (If Yes, provide copy)
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13 FLOODPLAIN ACTIVITIES (See Sample Drawing 5. Others may apply)
 • Please attach additional sheets with the requested information when multiple *floodplain* activities are included in this application.

(check all that apply) fill excavation other_____

Site is _____ feet above *ordinary high water mark* (OHWM) OR observed water level _____. Date of observation _____ (M/D/Y)

Fill volume below the 100-year floodplain elevation (cu yd)	Compensating cut volume below the 100-year floodplain elevation (cu yd)
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14 BRIDGES AND CULVERTS (Including Foot and Cart Bridges)

- Provide detailed site-specific drawings of existing **and** proposed *Plan View* (Sample Drawing 14A), *Elevation View* (Sample Drawing 14B), *Stream and Floodplain Cross-Section* (Sample Drawing 14C), *Stream Profile* (Sample Drawing 14D) and *Floodplain Fill* (Sample Drawing 5) at a scale adequate for detailed review.
- Provide the requested information that applies to your project. If there is not an existing *structure*, leave the "Existing" column blank.
- If you choose to have a Licensed Professional Engineer "certify" that your project will not cause a "*harmful interference*" for a range of flood discharges up to and including the 100-year flood discharge then you must use the "Required Certification Language". A copy is available on our website under "Permit Application" or you may request a copy by phone, email, or mail. A hydraulic report supporting this certification may also be required.
- Please attach additional sheets with the requested information when multiple crossings are included in this application.

		Existing	Proposed			Existing	Proposed	
Culvert type (box, circular, arch) and material (corrugated metal, timber, concrete, etc.)				Bridge span (length perpendicular to stream) OR culvert <input type="checkbox"/> width <input type="checkbox"/> diameter (ft)				
Bridge type (concrete box beam, timber, concrete I-beam, etc.)				Bridge width (parallel to stream) OR culvert length (ft)				
Entrance design (projecting, mitered, wingwalls, etc.)				Bridge <i>rise</i> (from bottom of beam to streambed) OR Culvert <i>rise</i> (from top of culvert to streambed) (ft)				
Total <i>structure waterway opening</i> above streambed (sq ft)								
<input type="checkbox"/> elevation of culvert crown <input type="checkbox"/> bottom of bridge beam (ft)	Upstream			Higher elevation of <input type="checkbox"/> culvert invert OR <input type="checkbox"/> streambed within culvert (ft)	Upstream			
	Downstream				Downstream			
Elevation of road grade at <i>structure</i> (ft)				Distance from low point of road to mid-point of bridge crossing (ft)				
Elevation of low point in road (ft)								
<i>Cross-sectional</i> area of primary channel (sq ft) (See Sample Drawing 14C)			Average stream width at OHWM outside the influence of the structure (ft)				upstream	downstream
Reference datum used (show on plans with description) <input type="checkbox"/> NGVD 29 <input type="checkbox"/> IGLD 85 (Great Lakes coastal areas) <input type="checkbox"/> local								
High water elevation – describe reference point and highest known water level above or below reference point and date of observation. _____								

15 STREAM, RIVER, OR DRAIN CONSTRUCTION ACTIVITIES (No sample drawing available)

- Complete Section 10A for fill, Section 10B for dredge or excavation, and Section 10C for *riprap* activities.
- If side casting or other proposed activities will impact wetlands or *floodplains*, complete Sections 12 and 13, respectively.
- Provide an overall site plan showing existing lakes, streams, wetlands, and other water features; existing *structures*; and the location of all proposed *structures* and land change activities. Provide *cross-section* (elevation) drawings necessary to clearly show existing and proposed conditions. Be sure to indicate drawing scales.
- For activities on legally established county drains, provide original design and proposed dimensions and elevations.

(check all that apply) maintenance improvement relocation enclosure new drain wetlands other _____

Dimensions (ft) of existing stream/drain channel to be worked on.			length	width	depth
Dimensions (ft) of new, relocated, or enclosed stream/drain channel.			length	width	depth
Existing channel average water depth in a normal year (ft)			Proposed side <i>slopes</i> (vertical / horizontal)		
How will <i>slopes</i> and bottom be stabilized? _____					
Will old/enclosed stream channel be backfilled to top of bank grade?			Length of Channel to be abandoned (ft)		Volume of Fill
If an enclosed <i>structure</i> is proposed, check type?			_____		
Dimensions of the structure		size	length	volume of fill	_____
Will spoils be disposed of on site? <input type="checkbox"/> No <input type="checkbox"/> Yes (If Yes, show location of spoils on site plan in an <i>upland</i> area.)					
Reference datum used (show on plans with description) <input type="checkbox"/> NGVD 29 <input type="checkbox"/> IGLD 85 (Great Lakes coastal areas) <input type="checkbox"/> local _____					



16 DRAWDOWN OF AN IMPOUNDMENT

- If wetlands will be impacted, also complete Section 12.

Type of drawdown over winter temporary one-time event annual event permanent (*dam* removal) other _____

Reason for drawdown _____

Has there been a previous drawdown? No Yes (If Yes, provide date (M/Y)) _____ Previous permit number, if known _____

Does waterbody have established legal lake level? No Yes Not Sure _____ *Dam* ID Number, if known _____

Extent of vertical drawdown (ft)	Impoundment design head (ft)	Number of adjacent or impacted property owners
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Date drawdown would start (M/D/Y)	Date drawdown would stop (M/D/Y)	Rate of drawdown (ft/day)
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Date refilling would start (M/D/Y)	Date refill would end (M/D/Y)	Rate of refill (ft/day)
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Type of outlet discharge <i>structure</i> to be used <input type="checkbox"/> surface <input type="checkbox"/> bottom <input type="checkbox"/> mid-depth	Impoundment area at normal water level (acres)	Sediment depth behind <i>impoundment</i> discharge <i>structure</i> (ft)
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17 DAM, EMBANKMENT, DIKE, SPILLWAY, OR CONTROL STRUCTURE ACTIVITIES (See Sample Drawing 15)

- If wetlands will be impacted, also complete Section 12.
- Please attach site-specific conceptual plans for construction of a new *dam*, reconstruction of a *failed dam*, or enlargement of an existing *dam* for resource impact review. Detailed engineering plans are required once the activity has been determined to be permissible from an environmental standpoint.
- Please attach detailed engineering plans for a *dam* repair, *dam* alteration, *dam* abandonment, or *dam* removal.

Which one best describes your project? new *dam* construction reconstruction of a *failed dam* enlargement of an existing *dam*
 dam repair *dam* alteration *dam* abandonment *dam* removal other _____

Dam ID Number If known _____	Type of outlet discharge <i>structure</i> <input type="checkbox"/> surface <input type="checkbox"/> bottom <input type="checkbox"/> mid depth	Will proposed activities require a drawdown of the waterbody to complete the work? <input type="checkbox"/> No <input type="checkbox"/> Yes (If Yes, also complete Section 16)	
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Riprap Volume (cu yd)	Dredging/excavation Volume (cu yd)	Fill volume (cu yd)	Does <i>structure</i> allow complete drainage of waterbody <input type="checkbox"/> No <input type="checkbox"/> Yes
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Benchmark elevation (ft) _____ Datum used Local NGVD 29 other _____ Describe benchmark and show on plans _____

Have you engaged the services of a Licensed Professional Engineer? No Yes (If Yes, name, registration number, and mailing address) _____

Will a water diversion during construction be required? No Yes (If Yes, describe how the stream flow will be controlled through the *dam* construction area during the proposed project activities) _____

• The following additional information is required for a new *dam*, reconstruction of a *failed dam*, or enlargement of an existing *dam*.

Describe the type of *dam* and how you will design the *dam* and embankment to control seepage through and underneath the *dam*.

Embankment top elevation (ft)	Streambed elevation at downstream embankment toe (ft)	Structural height (difference between embankment top elevation and streambed elevation at downstream embankment toe) (ft)	
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Embankment Length (ft)	Embankment top width (ft)	Embankment bottom width (ft)	Embankment slopes (vertical / horizontal) Upstream _____ Downstream _____
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Proposed normal pool elevation (ft)	Impoundment flood elevation (ft)	Maximum vertical drawdown capability (ft) (attach operational procedure of the proposed <i>structure</i> if available)
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Have soil borings been taken at <i>dam</i> location? <input type="checkbox"/> No <input type="checkbox"/> Yes (If Yes, submit results with permit application)	Will a cold water <i>underspill</i> be provided? <input type="checkbox"/> No <input type="checkbox"/> Yes (If Yes, invert elevation _____ ft)	Do you have flowage rights to all proposed flooded property at the design flood elevation? <input type="checkbox"/> No <input type="checkbox"/> Yes
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18 UTILITY CROSSINGS (See Sample Drawings 12 and 13)

- If side casting is required, complete Subsections 10A and 10B. If spoils will be placed in wetlands or wetlands may be impacted, complete Section 12.
- Please attach additional sheets with the requested information as needed for multiple crossings.

What method will be used to construct the crossings?
 flume plow open trench jack and bore directional drilling

Crossing of Inland Lake or Stream floodplain
 international waters wetlands (also complete Section 12)

Type	Number of wetland crossings	Number of inland lake or stream crossings	Pipe diameter (inches)	Pipe length per crossing (feet)	Distance below streambed or wetland (inches)
<input type="checkbox"/> sanitary sewer					
<input type="checkbox"/> storm sewer					
<input type="checkbox"/> watermain					
<input type="checkbox"/> cable					
<input type="checkbox"/> oil/gas pipeline					



19 MARINA CONSTRUCTION AND OPERATING PERMIT INFORMATION (See Sample Drawing 21)

- *Marinas* located on one of the Great Lakes, including Lake St. Clair, may be required to secure leases or conveyances from the state of Michigan to place *structures* on the bottomlands.
- If you have a current pump-out agreement with another *marina* facility, please enclose a copy.
- Please attach a copy of the property legal description or a property boundary survey report to your application.

Marina owner			Marina name		
Mailing address			Location address		
City	State	Zip Code	City	State	Zip Code
Marina owner's daytime telephone number with area code			Marina's daytime telephone number with area code		
Check the reasons for submitting this application <input type="checkbox"/> Owner's name change <input type="checkbox"/> Construction of a new <i>marina</i> <input type="checkbox"/> Issuance of a new <i>Marina</i> Operating Permit <input type="checkbox"/> Expansion/modification of an existing <i>marina</i> <input type="checkbox"/> Reissuance of a <i>Marina</i> Operating Permit			Current Marina Operating Permit Number _____ Expiration Date (M/D/Y) _____		
	Existing	Proposed		Existing	Proposed
Number of boat slips/wells			Are sanitary pump-out facilities available?	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Number of launch ramps/lanes			Number of hoist/take-out wells		
Number of mooring buoys			Number of gas pumps		
Lineal feet of broadside dockage			Name of <i>marina</i> insurance company		
Number of parking spaces					

20 HIGH RISK EROSION AND CRITICAL DUNE AREAS (See Sample Drawings 19 and 20, also Sample Drawing 9 if wetlands are impacted)

- Construction in *critical dune areas* on *slopes* greater than a 1-foot vertical *rise* in a 3-foot horizontal plane (33 percent) are prohibited without a special exception.
- Construction in *critical dune areas* on *slopes* that measure from a 1-foot vertical *rise* in a 4-foot horizontal plane (25 percent) to less than a 1-foot vertical *rise* in a 3-foot horizontal plane (33 percent) requires plans prepared by a registered architect or licensed professional engineer.
- All property boundaries and proposed *structure* corners, septic system, water well, and driveway locations must be staked before the MDEQ site inspection.
- Scaled overhead and cross-section plans that include all property boundaries, and the location and dimensions of all structures and terrain alterations must be included.
- Additional information, including the building construction plans, may be required to complete the application review.

Parcel dimensions (ft) width	depth	Property is a <input type="checkbox"/> platted lot <input type="checkbox"/> unplatted parcel	Year current property boundaries created.	Length of shore frontage (ft)
Type of construction activities	<input type="checkbox"/> home	<input type="checkbox"/> garage <input type="checkbox"/> driveway	<input type="checkbox"/> septic <input type="checkbox"/> addition <input type="checkbox"/> renovation	<input type="checkbox"/> other _____
The proposed project will be serviced by <input type="checkbox"/> public sewer <input type="checkbox"/> private septic system (If septic system , show existing and new or expanded system on plans)	If septic system , has application been made to the County Health Department for a permit? <input type="checkbox"/> No <input type="checkbox"/> Yes		If Yes , has permit been issued? <input type="checkbox"/> No <input type="checkbox"/> Yes (If Yes , provide copy)	Number of individual living-units in proposed building
Existing construction is on <input type="checkbox"/> pilings <input type="checkbox"/> basement <input type="checkbox"/> concrete slab <input type="checkbox"/> crawl space	Proposed new construction will be on <input type="checkbox"/> pilings <input type="checkbox"/> basement <input type="checkbox"/> concrete slab <input type="checkbox"/> crawl space			
Existing construction material above foundation wall <input type="checkbox"/> stud frame <input type="checkbox"/> log <input type="checkbox"/> block <input type="checkbox"/> other _____	Proposed new construction material above foundation wall <input type="checkbox"/> stud frame <input type="checkbox"/> log <input type="checkbox"/> block <input type="checkbox"/> other _____			
Existing siding material <input type="checkbox"/> wood <input type="checkbox"/> vinyl <input type="checkbox"/> block <input type="checkbox"/> other _____	Proposed new siding material <input type="checkbox"/> wood <input type="checkbox"/> vinyl <input type="checkbox"/> block <input type="checkbox"/> other _____			
Area of the existing foundation, excluding attached garage (sq ft)	Area of the proposed foundation, excluding attached garage (sq ft)			
Area of the existing garage foundation (sq ft)	Area of the proposed garage foundation (sq ft)			
If renovating or restoring existing <i>structure</i> , renovation or restoration cost \$ _____	Current <i>structure</i> replacement value \$ _____	Tax assessed value of existing <i>structure</i> (excluding land value) \$ _____	Assessment year _____	
Are federal funds being used to finance any portion of the proposed project? (This includes Veterans Administration (VA) or Federal Housing Administration (FHA) mortgages.) <input type="checkbox"/> No <input type="checkbox"/> Yes (If Yes , please identify source)				
Date by which project location will be staked (M/D/Y) _____				

21 ACTIVITIES IN DESIGNATED ENVIRONMENTAL AREAS (No Sample Drawings Available)

- Many designated *environmental areas* are completely or partially wetlands. Be sure to complete Section 12 if your proposed activities will also occur in wetlands.
- If you are proposing any alteration in a designated *environmental area*, please attach a detailed site plan.

(Check all that apply)	<input type="checkbox"/> placement of <i>structures</i>	<input type="checkbox"/> grading or other soil alteration	<input type="checkbox"/> alteration of natural drainage
	<input type="checkbox"/> alteration of vegetation	<input type="checkbox"/> boardwalk or deck	<input type="checkbox"/> driveway or road
	<input type="checkbox"/> dredge <input type="checkbox"/> fill	<input type="checkbox"/> culvert	<input type="checkbox"/> other _____
Has the MDEQ staff or anyone else conducted a <i>wetland assessment</i> for this parcel? <input type="checkbox"/> No <input type="checkbox"/> Yes (If Yes , please provide copy of response)			
Describe the proposed activity. _____ _____			