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 1.22

(Submission #: HP5-WJT4-3J194, version 2)

Details

Submission ID	HP5-WJT4-3J194
Submission Reason	New

Form Input

Instructions

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

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

READ THOROUGHLY BEFORE STARTING THE FORM
It is recommended to download a pdf of this page at 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)
Minor Project, $100 fee (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 ﷺSubmit Formﷺ 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
David	*DiRita*

Organization Name
The Roxbury Group

Phone Type	Number	Extension
Mobile	3134181206	

Email
ddirita@roxburygroup.com

Address
1117 GRISWOLD ST
UNIT 1416
DETROIT, MI 48226

Is the Property Owner different from the Applicant?
Yes

Property Owner Contact Information

First Name	Last Name
John	*Erb*

Organization Name
DTE Energy

Phone Type	Number	Extension
Business	248.498.2506	

Email
john.erb@dteenergy.com

Address
1 ENERGY PLZ
DETROIT, MI 48226

Upload Attachment for Authorization from Property Owners

Letter to the City of Ann Arbor August 21 2018[3].pdf - 01/27/2021 10:58 AM

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

Xerox Scan_01272021153920.pdf - 01/28/2021 09:52 AM

Comment

NONE PROVIDED

Agent Contact

First Name	Last Name
Mark	*Lodewyk*

Organization Name

SmithGroup

Phone Type	Number	Extension
Mobile	313.319.9930	

Email

mark.lodewyk@smithgroup.com

Address

201 DEPOT ST

2

ANN ARBOR, MI 48104

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)

2228319069747090408

Project Location

42.289192,-83.7433719

Project Location Address

841 Broadway Street

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

09-09-20-403-023

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

Subdivision/Plat and Lot Number(s)
PART OF BLOCK 14, ALL OF BLOCKS 15, 20, 21, 22 AND 23 AND VACATED FOURTH STREET, VACATED FIFTH STREET, VACATED HOTEL ALLEY, VACATED RAILROAD STREET AND VACATED RIVER STREET OF ORMSBY & PAGE'S ADDITION TO THE VILLAGE (NOW CITY) OF ANN ARBOR, BEING A PART OF THE SOUTHEAST 1/4 OF SECTION 20 AND THE SOUTHWEST 1/4 OF SECTION 21, TOWN 2 SOUTH, RANGE 6 EAST, CITY OF ANN ARBOR, WASHTENAW COUNTY, MICHIGAN AS RECORDED IN UBER M OF DEEDS, PAGE 191, WASHTENAW COUNTY RECORDS EXCEPT LAND CONVEYED TO THE MICHIGAN CENTRAL RAILROAD COMPANY AS RECORDED IN UBER 86 OF DEEDS, PAGE 105 AND IN UBER 450, PAGE 79, WASHTENAW COUNTY RECORDS AND THE LAND BETWEEN THE HURON RIVER (AS PLATTED) AND THE WATER'S EDGE OF THE EXISTING HURON RIVER, ALL BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHWEST CORNER OF LOT 1 OF SAID BLOCK 14, THENCE SOUTH 20 DEGREES 01 MINUTES 45 SECONDS EAST ALONG THE NORTH LINE OF MICHIGAN CENTRAL RAILROAD, 106.00 FEET TO THE SOUTHWEST CORNER OF LOT 1 OF SAID BLOCK 14; THENCE SOUTH 24 DEGREES 55 MINUTES 15 SECONDS EAST ALONG THE NORTH LINE OF MICHIGAN CENTRAL RAILROAD, 99.00 FEET TO THE SOUTHWEST CORNER OF LOT 2 OF SAID BLOCK 14; THENCE SOUTH 29 DEGREES 38 MINUTES 55 SECONDS EAST, 18.61 FEET TO THE INTERSECTION OF THE NORTH LINE OF THE MICHIGAN CENTRAL RAILROAD AND THE SOUTHERLY FACE OF A STEEL SEAWALL. AS EXTENDED, ALSO BEING THE POINT OF BEGINNING; THENCE NORTH 60 DEGREES 54 MINUTES 09 SECONDS EAST ALONG SAID SOUTHERLY FACE OF A STEEL SEAWALL, 24.79 FEET; THENCE THE FOLLOWING TWO (2) COURSES ALONG SAID THE SOUTHERLY FACE: 1) 89.96 FEET ALONG THE ARC OF A CURVE TO THE RIGHT, RADIUS OF 269.37 FEET, CENTRAL ANGLE OF 19 DEGREES 08 MINUTES 09 SECONDS, CHORD BEARING NORTH 71 DEGREES 46 MINUTES 28 SECONDS EAST, 89.55 FEET AND 2) SOUTH 69 DEGREES 37 MINUTES 45 SECONDS EAST, 11.66 FEET TO THE END OF SAID SEAWALL, ALSO BEING POINT 'A'; THENCE SOUTHEASTERLY ALONG THE WATER'S EDGE OF RELOCATED HURON RIVER 1540 FEET, PLUS OR MINUS, TO A POINT ON THE WEST LINE OF BROADWAY STREET (98 FEET WIDE); THENCE SOUTH 56 DEGREES 30 MINUTES 00 SECONDS WEST ALONG SAID WEST LINE OF BROADWAY STREET, 22.00 FEET, PLUS OR MINUS, TO A POINT BEING SOUTH 69 DEGREES 37 MINUTES 45 SECONDS EAST, 107.27 FEET AND NORTH 72 DEGREES 18 MINUTES 19 SECONDS EAST, 175.00 FEET AND SOUTH 84 DEGREES 12 MINUTES 49 SECONDS EAST, 310.00 FEET AND SOUTH 67 DEGREES 40 MINUTES 35 SECONDS EAST, 400.00 FEET AND SOUTH 50 DEGREES 11 MINUTES 00 SECONDS EAST, 435.00 FEET AND SOUTH 19 DEGREES 36 MINUTES 25 SECONDS EAST, 84.50 FEET FROM SAID POINT 'A'; THENCE CONTINUING ALONG SAID WEST LINE SOUTH 56 DEGREES 30 MINUTES 00 SECONDS WEST, 127.54 FEET; THENCE THE FOLLOWING (13) THIRTEEN COURSES ALONG THE NORTHERLY LINE OF THE MICHIGAN CENTRAL RAILROAD: 1) NORTH 33 DEGREES 30 MINUTES 00 SECONDS WEST, 50.00 FEET, 2) SOUTH 56 DEGREES 30 MINUTES 00 SECONDS WEST, 77.14 FEET, 3) 269.33 FEET ALONG THE ARC OF A CURVE TO THE RIGHT, RADIUS OF 634.03 FEET, CENTRAL ANGLE OF 24 DEGREES 20 MINUTES 18 SECONDS, CHORD BEARS SOUTH 68 DEGREES 41 MINUTES 06 SECONDS WEST, 267.31 FEET TO A POINT ON THE CENTERLINE OF SAID VACATED RAILROAD STREET, 4) NORTH 61 DEGREES 55 MINUTES 00 SECONDS WEST ALONG SAID CENTERLINE OF VACA TED RAILROAD STREET, 496.57 FEET TO A POINT ON THE CENTERLINE OF SAID VACA TED FIFTH STREET, 5) SOUTH 31 DEGREES 03 MINUTES 43 SECONDS WEST ALONG SAID CENTERLINE OF FIFTH STREET, 74.65 FEET, 6) NORTH 60 DEGREES 15 MINUTES 43 SECONDS WEST, 174.80 FEET, 7) NORTH 51 DEGREES 15 MINUTES 43 SECONDS WEST, 147.00 FEET, 8) NORTH 47 DEGREES 45 MINUTES 43 SECONDS WEST, 43.00 FEET TO A POINT ON THE EAST LINE OF SAID VACATED FOURTH STREET, 9) SOUTH 26 DEGREES 28 MINUTES 38 SECONDS WEST, 3.00 FEET TO THE SOUTHWEST CORNER OF SAID BLOCK 15, 10) NORTH 38 DEGREES 58 MINUTES 32 SECONDS WEST, 72.40 FEET TO THE SOUTHERLY CORNER OF SAID BLOCK 14, 11) NORTH 39 DEGREES 01 MINUTES 45 SECONDS WEST, 98.00 FEET TO THE NORTHWEST CORNER OF LOT 6 OF SAID BLOCK 14, 12) NORTH 34 DEGREES 21 MINUTES 00 SECONDS WEST, 98.00 FEET TO THE NORTHWEST CORNER OF LOT 4 OF SAID BLOCK 14, 13) NORTH 29 DEGREES 38 MINUTES 55 SECONDS WEST, 80.39 FEET TO THE POINT OF BEGINNING.

Is this project within Indian Lands?
No

Local Unit of Government (LUG)
Ann Arbor

Directions to Project Site
City of Ann Arbor, north on Broadway Street from intersection with Depot Street 600 feet, drive is on west side of road just south of Broadway Street Bridge over the Huron River

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
1/7/2021

Pre-application File Number:
Unknown

EGLE and/or USACE staff person involved in the pre-application meeting/inspection:
Holden Branch; Melissa Letosky; Jim Milne; Michael Pennington; Tarek Buckmaster; Sara Nedrich; Sheryl Doxtadersh

Has the project scope or design changed since the pre-application meeting/inspection?
No

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?
Yes

Easement Holder Contact Information

First Name	Last Name
Jerry	*Hancock*

Organization Name
City of Ann Arbor

Phone Type	Number	Extension
Business	7347946430	43709

Email
jhancock@a2gov.org

Address
301 E HURON ST
ANN ARBOR, MI 48104
United States

Describe the type of easement or encumbrance
NONE PROVIDED

Attach a copy of a description of the easement or encumbrance

EASEMENT-DTE 5297.725.pdf - 01/29/2021 03:00 PM

Comment

NONE PROVIDED

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	N/A	10/20/2020	Approved
City of Ann Arbor	Grading	N/A	NONE PROVIDED	Undetermined
City of Ann Arbor	Engineering Drawing Approval	N/A	NONE PROVIDED	Undetermined
Washtenaw County Water Resources	Storm Water Management	N/A	NONE PROVIDED	Undetermined
City of Ann Arbor	Soil and Erosion Control	N/A	NONE PROVIDED	Undetermined

Comments

NONE PROVIDED

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.

Enter list of recipients.

This project may require public noticing. Please list the adjacent landowners to the project, along with any of the others that may apply:

Contact Type	Contact Person	Mailing Address	City	State	Zip Code
Adjacent Landowner	Madeline Respler	Amtrak Engineering I&C 30th Street Station PO Box 64	Philadelphia	PA	19104
Adjacent Landowner	Jeannine Cleveland	MDOT 425 West Ottawa Street, PO Box 30050	Lansing	MI	48909
Adjacent Landowner	Jerry Hancock	City of Ann Arbor, 301 E. Huron Street	Ann Arbor	MI	48107

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)
Public/Government/Tribal
Private

Project Type (select all that apply):
Development-Condominium/Subdivision-Residential
Development-Commercial/Industrial
Other: Public Space

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.
Broadway Park West will be a redevelopment of a brownfield site. The project will consist of a mixed-use development residential and commercial development and public open space. Broadway Park West will reuse this underutilized and environmentally contaminated site to create a pedestrian oriented neighborhood and public open space along the Huron River. The project features a publicly accessible open space with amenities such as: a connected riverfront trail, a kayak launch and steps to the river, and rental facility, gathering spaces, a performance lawn, flexible play areas and outdoor year round activities such as ice skating and water play. A year-round event pavilion with concession area, shade structure, and toilet rooms will support the open space activities. The development will also include residential condominiums, various neighborhood retail establishments, a waterfront food & beverage venue, and a hospitality use. The following activities have been identified as needing an EGLE permit. - Section 10 Projects Impacting Inland Lakes, Streams, Great Lakes, wetland or Floodplains • Paragraph A Projects requiring fill - fill in the Huron River for the kayak launch, kayak steps, and riprap • Paragraph B Projects requiring dredging or excavation - excavation and dredging in the Huron River for the the kayak launch, kayak steps, and riprap • Paragraph C Projects Requiring Riprap - outfall of storm swales, contaminant (tar) removal, and other contaminated soils near the Huron River • Paragraph G Boat Ramp - kayak launch • Paragraph I Boardwalks and Decks in Wetlands or Floodplains - pedestrian bridge approach, boardwalk, and landing deck • Paragraph J Intake Pipes or Outlet Pipes - two storm water management drainage swale point source discharges to the river - Section 13 Floodplain Activities - fill/cut within floodplain - Section 14 Bridges and Culverts - pedestrian bridge over the Huron River

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.
Although not directly associated with the development project, the first "project" on-site will be the removal of contaminated soils. Prior to starting the excavations necessary to remove the contaminated soil, the site preparation will consist of installing erosion control measures and clearing the areas on-site that will require existing site features (trees, pavements and landscape) to be removed to allow contaminated soil or future development feature construction to take place. Soil and erosion control measures along the edge of the Huron River may require turbidity curtains or other means to contain soils/contamination from entering and flowing down the river. The contaminated soils will be removed and disposed of off-site at an appropriate landfill. Any groundwater pumped during the contaminated soil removal will be stored in frac tanks on-site and the water will pass through a carbon treatment system before discharging to the Huron River. Backfilling the areas the soil is removed will be done with acceptable on-site materials or off-site materials. The excavation area backfill will be coordinated with the proposed development grading plan to provide the site final grades (for the development) and will eliminate double handling/excavation of soils in the contaminated areas. In conjunction with the contaminated soil backfill, the mass grading of the entire site will take place to balance cut/fill and provide the higher development areas (above the 500-year flood elevation) for the buildings. After the mass grading is complete, the entire disturbed area(s) will be temporarily seeded to prevent erosion. Any temporary check dams or other measures necessary to minimize the erosion will also be provided. After the mass grading is completed, the development of the site will begin. Site utilities will be installed, including the drainage swale discharges to the Huron River. The public access features (river access steps, kayak launch, pedestrian bridge and approach, pedestrian paths and the public parking lot) will be among the first items constructed. The residential/commercial buildings, roadways, retaining walls and other site features will then be constructed.

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.

a. The original concept was to have a two span pedestrian bridge cross the Huron River to reduce the superstructure depth. However, this would require a pier in the Huron River and a hydraulic analysis would be required to determine impacts on the Huron River floodway. An alternate study to span the Huron River and the floodway determined the increased depth of the structure could still allow the bottom of the superstructure to be above the 100-year flood elevation. To reduce impacts on the Huron River and eliminate the need for a hydraulic analysis a one span bridge was incorporated. b. The site plan approved by the City of Ann Arbor included public access to the Huron River in the form of an ADA ramp/launch facility and steps. To minimize impacts to the Huron River the toe of the ramp/launch facility and steps into the river were placed at the existing water edge (extend into the existing river bottom less than 3') and were cut into the existing bank (upland) . This minimized the impacts below the Ordinary High Water Mark (OHWM) of the Huron River as noted by the cut/fill calculations in the permit application. c. Removal of contaminated soils will extend to the bank of the Huron River, to a depth of several feet. To minimize impacts to the Huron River a turbidity curtain will be placed in the river to prevent sediment escaping into the river. Backfill operations will include placing riprap along the river bag to stabilize the slope and will also connect to the NAPL containment riprap further to the east to provide a continuous stabilized bank. Riprap was selected over other types of slops stability measures (such as bioengineering) to provide a consistent bank in conjunction with the NAPL containment cap riprap. If preferred be EGLE, the riprap can be brought up to the OHWM and the natural meadows grasses extended to the riprap. d. A large portion of the site is within the 100-year floodplain of the Huron River. In addition, the contaminated groundwater table is high. In an effort to prevent utilities and building excavations/foundations from being in the groundwater, raising the building portion of the site and lowering the natural areas (to maintain flood storage) was evaluated and implemented when flood storage could be maintained.

CORRECTION REQUEST *(CORRECTED)*

Alternatives Analysis

Your alternatives analysis should describe how impacts to the Huron River were avoided and minimized. This includes materials, construction methods, project configurations, and sizes of the proposed impact.
Created on 3/4/2021 2:49 PM by **Melissa Letosky**

1 COMMENT

Rovonnie McFarland (rovonnie.mcfarland@smithgroup.com) (3/25/2021 4:17 PM)
Additional alternatives analyzed were added as requested.

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.)

Fill on the project site in the floodplain was compensated by lowering the public space and maintaining the current 100-year flood event storage. Cut/fill in the floodplain and floodplain storage volumes are noted on the drawings.

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

NONE PROVIDED

Comment

Coordination of the soil contamination project and the development project will be important to ensure the appropriate environmental considerations are addressed and necessary EGLE permits/approvals are obtained and coordinated with the construction activities. As discussed during the 1/7/21 pre-application meeting, SME/Roxbury will be working with EGLE-RRD to obtain the necessary approvals/permits/certificate of coverage/registration receipts required for the anticipated work. The excavation/backfill (cut/fill) associated with the contaminated soil remediation was not included in the floodplain cut/fill analysis/numbers for the joint permit application (JPA). The backfill will be placed to the proposed finished grades for the development and the finished grades to existing grades were used for the floodplain analysis. The riprap that will be placed along the banks of the Huron River in the areas that the contaminated soils are close to the river was included in the JPA.

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.
Bridges
Intake or Outfall Structures
Shore Protection such as Seawalls, RipRap, and Bioengineering
Boat Ramp

The Proposed Project will involve the following resources (check ALL that apply).
Stream or River
100-year Floodplain

Major Project Fee Calculation Questions

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?
Yes

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

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:
Huron River

Stream Water elevation reference* (show elevation on plans with description):
NAVD 88

Ordinary High Water Mark (OHWM) elevation (feet):
762.0

Date of observation (M/D/Y)
1/8/2018

What length (feet) does the project activity(ies) extend waterward of the OHWM?
14

What length (feet) does the project activity(ies) extend landward of the OHWM?
5

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

What is the the width (feet) of the stream where the water begins to overflow its banks. This is called the Bankfull width.
90

Will a turbidity curtain be used during the proposed project?
Yes

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	386
Temporary	0
	Sum: 386

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):
General Fill
Riprap
Other: Concrete and Stone at the Kayak Launch

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)
Kayak Launch	30	10	1	300	300	11	NONE PROVIDED
Kayak Steps	12.5	25	2.24	312.5	700.0000000000001	26	NONE PROVIDED
Riprap	356	9	2	3204	6408	237	NONE PROVIDED
				Sum: 3816.5	Sum: 7408	Sum: 274	Sum: NaN

CORRECTION REQUEST ***(CORRECTED)***
Kayak Launch

Does the kayak launch extend 30 ft into the Huron River? The length for the kayak launch should be the length of the fill for the launch waterward of the ordinary high water mark.
Created on 3/4/2021 2:52 PM by **Melissa Letosky**

1 COMMENT
Rovonnie McFarland (rovonnie.mcfarland@smithgroup.com) (3/30/2021 10:56 AM)
The Kayak Launch will also provide ADA access to the river. To construct and ADA ramp the gentle slope on the ramp will require cutting into the existing bank (or upland) to meet the slope requirement. As a result, the 762 elevation on the ramp (assumed OHWM) will cross the ramp 30' from the existing waters edge. See revised sheet C102, detail 2 for the ramp section.

Type of Fill
Other: Stone Steps, Aggregate Base, Geotextile Fabric, Riprap, Concrete

Source of Fill
Off-site

Is riprap proposed?
Yes
Indicate size range of riprap:
6 inches to 12 inches

Type of riprap
Angular rock

Will material be installed under the riprap?
Yes

Type of material installed under riprap:
Filter fabric

Activities Involving Dredging or Excavation: Select from the following list for Excavation/Dredge Activities (select all that apply to this waterbody impacted):
Excavation for toestone installation
Other: Kayak Launch/Kayak Steps

Projects involving Excavation/Dredging 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)
Kayak Launch	30	10	1	300	300	11	NONE PROVIDED
Kayak Steps	12.5	25	1.28	312.5	400	15	NONE PROVIDED
Riprap	356	9	2	3204	6408	237	NONE PROVIDED
				Sum: 3816.5	Sum: 7108	Sum: 263	Sum: NaN

CORRECTION REQUEST ***(CORRECTED)***

Kayak Launch

Does the excavation for the kayak launch extend 30 ft into the Huron River? The length should be the portion of the excavation waterward of the ordinary high water mark.
Created on 3/4/2021 2:55 PM by **Melissa Letosky**

1 COMMENT

Rovonnie McFarland (rovonnie.mcfarland@smithgroup.com) (3/25/2021 4:06 PM)
The kayak launch will also provide ADA access to the river. To construct an ADA ramp, the gentle slope on the ramp will require cutting into the existing bank. As a result, the 762.0 elevation (OHWM) on the ramp will cross the ramp 30' from the existing waters edge. We have added more information about the ramp/launch on the plan and also added a section of the ramp to the drawing. See revised sheet C102 Detail 2 for ramp section.

Has this area been previously dredged?
No

Is long-term maintenance dredging proposed?
No

What is the method used to be dredged?
Mechanical

Has the dredge material been tested?
No

Spoils Disposal

Will the excavation/dredge spoils be disposed of on site or off site?
On site

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).:
Boat Ramp

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)
Kayak Launch	30	10	1	300	300	11	NONE PROVIDED
Kayak Steps	12.5	25	2.24	312.5	700.0000000000001	26	NONE PROVIDED
				Sum: 612.5	Sum: 1000	Sum: 37	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 ﷺOtherﷺ 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.

Shore Protection Project such as Seawalls, RipRap, or Bioengineering

Select all that apply to your project.
RipRap

Is a cumulative length of seawalls, bulkheads, or revetments of 500 feet or more in length proposed?
No

Is the proposed structure going to extend 150 feet or more into a lake or stream?
No

Distance from the project to the adjacent property lines

Distance from property line to the left (feet)	Distance from property line to the right (feet)
500	850

Distance of project from an obvious fixed structure (example - 50 ft from SW corner of house)
N/A - No structures on-site

Will any existing structures be removed as part of this project including walls or any other structure?
No

Boat Ramp Project

Please select the type of boat ramp project.
New boat ramp

Type of construction material:
Concrete

How many skid piers will the boat ramp have?
0

Distance from the proposed project to the adjacent property lines.

Left (feet)	Right (feet)
500	1000

Intake or Outfall Structures

Is the intake structure associated with an authorized outfall structure?
No

Number of intakes or outfalls:
2

Pipe Description

Unique Identifier	Pipe Diameter (inches):	Invert Elevation:
East Storm Discharge	N/A	763.5
West Storm Discharge	N/A	763

Type of intake or outfall stabilization:
Other: Concrete Spillway

Has the water been treated (outfall only)?
Yes

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:
Pedestrian Bridge

STREAM INFORMATION

Width of the stream

Upstream (feet)	Downstream (feet)
100	100

Cross-sectional area of primary channel (square feet):
300

The width of the stream where the water begins to overflow its banks. Bankfull width (feet):
100

Is there an existing structure?
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.

Bride 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)	0	14
Bridge span or Culvert width/diameter (perpendicular to stream) (feet)	0	175
Height of culvert prior to burying (if bridge enter 0)	0	0
Depth culvert buried (feet) (if bridge enter 0)	0	0
Bottom of bridge beam (feet) upstream (if culvert enter 0)	0	771.28
Bottom of bridge beam (feet) downstream (if culvert enter 0)	0	771.28
Stream invert elevation at bridge (feet) upstream	0	758.5
Stream invert elevation at bridge (feet) downstream	0	758.5
Bridge rise from bottom of beam to streambed or culvert crown height (feet)	0	12.78
Total structure waterway opening above streambed (square feet)	0	1375
Total structure waterway area below the 100-year elevation (square feet) (if applicable)	0	990
Elevation of road grade at structure (feet)	0	774.28
Elevation of low point in road (feet)	0	77.28
Distance from low point in road (feet)	0	87.5
Length of approach fill from edge of bridge/culvert to existing grade (feet)	0	25

CORRECTION REQUEST *(CORRECTED)*

Bridge Span

The bridge span should the length of the bridge over the Huron River. Please correct that value.
Created on 3/4/2021 2:56 PM by **Melissa Letosky**

1 COMMENT

Rovonnie McFarland (rovonnie.mcfarland@smithgroup.com) (3/25/2021 4:16 PM)
Changed the length to abutment to abutment in application and abutment and river span lengths are shown on revised sheet C103.

Bridge Type

Existing	Proposed
Other: No existing bridge	Other: Prefabricated Steel

Structure Entrance Design Type:

Existing	Proposed
Other: No existing bridge	Wingwalls

Certification Upload

NONE PROVIDED

Comment

Design engineer will seal drawings when final design is complete.

Floodplain

Proposed Activity
Fill
Bridge
Boardwalk
Stormwater Outfall
Building - Residential
Building - Non-Residential/Commercial/Industrial/Public
Grading
Parking Lot/Sidewalk/Pathway
Excavation/Cut

100-Year Floodplain Elevation

Please provide a name for the stream, river, channel, or waterbody:	100-Year Floodplain Elevation (feet)	Datum	Source of Datum
Huron River (upstream project limit)	769.1	NAVD88	benchmark
Huron River (downstream project limit)	766.8	NAVD88	benchmark

Upload Documents for Datum Source
AAGRS 0014A.pdf - 01/29/2021 07:27 AM
AAGRS 0005B.pdf - 01/29/2021 07:27 AM
AAGRS BM2013.pdf - 01/29/2021 07:27 AM
Comment
The site is on NAVD88. The HZ & Vertical datum was set using the Ann Arbor Geodetic Reference System which is based on NGS control points. Three points (data sheets attached) were used to establish the site datum.

Excavation/Cut volume below the 100-year floodplain elevation (cubic yards)
10416

Fill volume below the 100-year floodplain elevation (cubic yards)
9105

Source of Fill Material:
On-site
Off-site

Type of Fill
Other: Acceptable excavated on-site material, MDOT Class II Granular Material

Calculations Upload
2021-0325 EGLE Joint Permit Application Drawing Set Rev 1.pdf - 03/25/2021 04:22 PM
Comment
See uploaded drawings and calculations. Please note the existing floodplain storage is 20,020 cy and the proposed grading will result in an increase in the floodplain storage up to 20,520 cy. The project City approved site plan indicates an ice ribbon (rink) to be constructed in the floodplain. Currently, other than the conceptual layout shown on the site plan, no design work has been performed on the ice ribbon. If possible, can the permit state the 500 cy of additional floodplain storage can be "banked" to address any additional fill required in the floodplain for the construction of the ice ribbon? The permit could also state when the design of the ice ribbon has progressed sufficiently to compute any additional fill requirements in the floodplain the design team will coordinate with EGLE the required fill is under the banked 500 cy. that is permitted. This would eliminate submitting another permit application for a permit to build the ice ribbon.

CORRECTION REQUEST *(CORRECTED)*
CAD Files

EGLE is unable to open CAD files. Please provide pdf plans showing the site work including the proposed limits of filling, grading, and excavation on a topographic map. The plans should identify the 100-year floodplain and floodway in relation to the proposed fill & structures.
Created on 3/4/2021 2:59 PM by **Melissa Letosky**

1 COMMENT
Rovonnie McFarland (rovonnie.mcfarland@smithgroup.com) (3/25/2021 4:21 PM)
All drawings have been uploaded as PDFs.

Is the building or addition serviced by a sewer or septic?
Public sewer

Compensating cut volume (cubic yards)
9139

Is this project located in the floodway?
No

Were one or more Hydraulic Analyses completed for this project?
No

Local Unit of Government (LUG) Acknowledgement Letter Upload
DTE EGLE Permit App letter from City.pdf - 02/02/2021 07:00 AM
Comment
NONE PROVIDED

Is there an existing building on site?
No

Proposed Structure Information

Structure Name	Lowest adjacent grade (feet):	Foundation type	Foundation floor elevation (feet):	Height of crawl space/basement from finished foundation floor to bottom of floor joists (feet):	Elevation of 1st floor above basement floor/crawl space (feet):	Area of proposed foundation (square feet):	Elevation of proposed enclosed area (feet):
Pavilion	766	concrete slab on grade	764.6	7.5	773.0	400	764.6
Residential A	766.0	concrete slab on grade	773.5	0	773.5	0	0
Residential B	767.0	concrete slab on grade	772.5	0	772.5	0	0
Residential C	767.0	concrete slab on grade	772.5	0	772.5	0	0
Residential D	767.0	concrete slab on grade	773.5	0	773.5	0	0
Parking	767.0	concrete slab on grade	771.5	0	771.5	0	0
Commercial 1	766.0	concrete slab on grade	773.0	0	773.0	0	0
Commercial 2	766.0	concrete slab on grade	775.0	0	775.0	0	0
Hotel	765.0	concrete slab on grade	774.0	0	774.0	0	0
Restaurant	765.0	concrete slab on grade	773.5	0	773.5	0	0

CORRECTION REQUEST *(CORRECTED)*

Future Ice Rink

Any future ice rink could be applied for at this time, however the permit is only good for 5 years upon issuance. We will need a draft plan and understanding of the approximate location and proposed site impacts. This should also include any proposed rink walls. If the rink is in the floodway, we will need a more detailed plan at this time to determine if modeling is necessary. Unfortunately, under Part 31 we do not have a formal process to bank floodplain storage.
Created on 3/4/2021 3:01 PM by **Melissa Letosky**

1 COMMENT

Rovonnie McFarland (rovonnie.mcfarland@smithgroup.com) (3/25/2021 4:25 PM)
a. The ice rink/ribbon will be added to the permit application. The ice rink will be called out on the plan, shown on the site cross sections where applicable, a typical section of the rink will be added and the fill in the floodplain required for the rink will be added to the permit/drawings. See revised sheets C101, CG203, CG204, CG205. b. It is anticipated the rink will be constructed in less than 5 years.

Are flood vents being used for this project?
No

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	N/A
Topographic Contour Lines from licensed surveyor or engineer when applicable	Yes

Upload Site Plans and Cross Section Drawings for your Proposed Project
Hydraulic Analysis Exhibits.pdf - 02/03/2021 05:04 PM
Wetland Determination Letter.pdf - 02/03/2021 05:04 PM
Hydraulic Analysis Exhibit Supplemental Drawing.pdf - 02/03/2021 05:04 PM
Pages from SME - Contaminated Soil Remediation Locations.pdf - 02/03/2021 05:04 PM
EGLE Joint Permit Application Drawing Set.pdf - 02/03/2021 05:04 PM
MTG 2021-0107 EGLE Meeting.pdf - 02/04/2021 10:06 AM
EGLE Correspondence 1-22-21.pdf - 02/04/2021 10:13 AM
EGLE Correspondence 1-26-21 and 12-17-20.pdf - 02/04/2021 10:19 AM
EGLE Joint Permit Submission Package List.pdf - 02/04/2021 04:01 PM
OHWM Determination.pdf - 02/04/2021 04:45 PM
Comment
NONE PROVIDED

CORRECTION REQUEST *(CORRECTED)*

Site Plan - River Mats

Please provide more detail on the river mats shows on the existing riprap on the site plans? Will these mats be permanent? Is any portion of the mat proposed below the OHWM?
Created on 3/4/2021 3:17 PM by **Melissa Letosky**

1 COMMENT

Rovonnie McFarland (rovonnie.mcfarland@smithgroup.com) (3/25/2021 4:26 PM)
a. The river mats are temporary/seasonal mats that will be placed over the riprap to allow people easier access (to enter or exit) to the river. They will consist of a ❒ ❒ thick rubber/pvc mat over the riprap and a ❒rope ladder❒ consisting of cables with trac material ❒rungs❒ on top of the mat. b. The mats were shown 40❒ plus wide on the plans and have been modified to 15❒ wide. c. A section of the mats was added to the plans. See revised sheet C101.

CORRECTION REQUEST *(CORRECTED)*

Site Plan - Impact Labels

Please revise the labels for each impact to say the size of the impact instead of the application section/paragraph.
Created on 3/4/2021 3:14 PM by **Melissa Letosky**

1 COMMENT

Rovonnie McFarland (rovonnie.mcfarland@smithgroup.com) (3/25/2021 4:27 PM)
Labels were revised. See revised sheet C100.

CORRECTION REQUEST *(CORRECTED)*

Site Plan - Kayak Launch

The site plan does not show any impact associated with the kayak launch below the OHWM. Is any portion of the launch below the OHWM?
Created on 3/4/2021 3:09 PM by **Melissa Letosky**

1 COMMENT

Rovonnie McFarland (rovonnie.mcfarland@smithgroup.com) (3/25/2021 4:28 PM)
The kayak launch will also provide ADA access to the river. To construct an ADA ramp, the gentle slope on the ramp will require cutting into the existing bank. As a result, the 762.0 elevation (OHWM) on the ramp will cross the ramp 30' from the existing waters edge. We have added more information about the ramp/launch on the plan and also added a section of the ramp to the drawing. See revised sheet C102 Detail 2 for ramp section. There are impacts associated with the launch below OHWM and a portion of the ramp is below OHWM.

CORRECTION REQUEST *(CORRECTED)*

Cross section impact volumes

The cross section for each impact shows two volumes for the impact below the OHWM. What is the distinction between these two values?
Created on 3/4/2021 3:06 PM by **Melissa Letosky**

1 COMMENT

Rovonnie McFarland (rovonnie.mcfarland@smithgroup.com) (3/25/2021 4:31 PM)
For the riprap, stairs and launch/ramp there are two volumes listed in the notes for each section (we assume these are the values in question). One volume is the excavation below OHWM required for the installation of the item and the second value is the fill below OHWM that will be required for the construction of the item.

CORRECTION REQUEST *(CORRECTED)*

Floodplain - Structure Cross sections

Cross-sections through all proposed structures within the floodplain showing the lowest floor elevations and type of foundations. Please refer to the Michigan Building Code to ensure any portion of structures below the 100-year flood elevation meet the intentions of the code and the plans should reflect the flood provisions of the Code
Created on 3/4/2021 3:04 PM by **Melissa Letosky**

2 COMMENTS

Rovonnie McFarland (rovonnie.mcfarland@smithgroup.com) (3/30/2021 10:50 AM)
A Mechanical space is required to service the Pavilion building (Flood Design Class 2). While the Pavilion primary floor (773.0) is 1 foot above the 500 year flood elevation, the Mechanical space below the main floor will be at grade (764.6). The Pavilion is in flood hazard zone AE, and as such the mechanical area will be designed to meet the requirements of Dry Floodproofing utilizing a combination of measures to make the building and attendant utilities & equipment watertight and impermeable to floodwaters, with structural components having the capacity to resist flood loads. Applicable sections of the 2015 Michigan Building Code, ASCE Standard 24-14 Flood Resistant Design and Construction, and NFIP Technical Bulletin 3 will be adhered to in the design of this structure. In addition, a Flood Emergency Plan and Inspection & Maintenance Plan will be submitted to local AHJs as well as any other related requirements of that jurisdiction. A registered professional engineer will develop the structural design for the construction in accordance with the accepted standards of practice for meeting the applicable provisions. Design measures for the proposed Mechanical space include: • substructure (columns) designed to be flood resistant to withstand the water pressure (hydrostatic) associated with the flood, uplift , and floating debris. • Watertight and substantially impermeable enclosure with appropriately wide concrete perimeter walls, water tight doors (no windows planned for this MEP space), and thickened slab to prevent floating • Interior drainage system to limit the accumulation of seepage • Back?ow (non-return) valves or shuto? valves that prevent ?oodwater from entering through sewer and drainage pipes and/or sewage ejectors that pump sewage to above the ?ood protection level before the pipes connect to a vertical sewer line • Electrical equipment and circuits protected to the ?ood protection level • Backup or emergency power for sump pumps and other seepage control measures

Rovonnie McFarland (rovonnie.mcfarland@smithgroup.com) (3/25/2021 4:33 PM)
a. Cross sections were provided through the pavilion and 4 condo units. Two more sections were added to show sections through the restaurant, commercial buildings and hospitality (hotel). The sections indicate the 100-year (and 500-year) flood elevations and the type of foundations being utilized (In conjunction with the notes). See revised sheets CG203 and CG206. b. Notes referencing the applicable sections of the Michigan Building Code that are being incorporated in the final design are also referenced. See revised sheets GC204-CG207.

CORRECTION REQUEST *(CORRECTED)*

Floodplain - Cross sections

Cross-sections through each excavation and fill area. The proposed floodplain fill and cut volumes should be summarized using 1 foot intervals below the 100-year flood elevation.
Created on 3/4/2021 3:03 PM by **Melissa Letosky**

1 COMMENT

Rovonnie McFarland (rovonnie.mcfarland@smithgroup.com) (3/25/2021 4:37 PM)
a. With the additional two cross sections added for the restaurant/commercial 2 and hospitality/hotel there are 9 cross sections across the site showing the fill and cut within the floodplain. There is also a cross section for all the items showing the cut and fill required for construction of the item. b. The plans show the storage volumes both visually on the •floodplain storage analysis• existing and proposed conditions sheets and in a table the sheet for the 10, 50 and 100 year flood events. The colored/shaded drawings also show the depth of storage volume below the 100 year flood elevation. Tables showing the existing and proposed storage volumes at 1' intervals where added to sheet CG202 and CG203. As noted below the tables, grades vary and as a result below the flood elevation the depth to the existing or proposed grade varies from 0 to 1'. The same scenario occurs in the bottom 1' of storage.

Additional Required and Supplementary Documents

NONE PROVIDED

Comment

In building table adjacent grades are the existing grades. Proposed grades are as follows: Pavilion proposed adjacent grades 764.6 Residential A proposed adjacent grades 772.1 Residential B proposed adjacent grades 770.0 Residential C proposed adjacent grades 770.2 Residential D proposed adjacent grades 771.2 Parking proposed adjacent grades 772.0 Commercial 1 proposed adjacent grades 772.5 Commercial 2 proposed adjacent grades 775.0 Hotel proposed adjacent grades NE 7765.0, NW 766.0, SE 779.0, SW 773.8 Restaurant proposed adjacent grades 773.5 The fill being placed in the floodplain will raise the grade for all the buildings, except the Pavilion, to allow slab on grade construction. All finished floors are above 500-year flood elevation. The Pavilion is on piles with the finished floor at elevation 773.0 (also above 500-year flood elevation). The Pavilion 764.6 finished floor elevation is for the 20 foot x 20 foot mechanical room which is at-grade for incoming utilities.

Fees

CORRECTION REQUEST *(CORRECTED)*

Fee

The application fee must be paid to have a complete application.
Created on 3/4/2021 3:19 PM by **Melissa Letosky**

1 COMMENT

Rovonnie McFarland (rovonnie.mcfarland@smithgroup.com) (3/25/2021 4:39 PM)

The response to the question in the JPA asking if a hydraulic analysis was performed was changed to "No" as an analysis was not performed in the items in the JPA. The additional $1500 application fee amount was overnighted on 3/30/21 and should arrive on 3/31/21.

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

Revisions

Revision	Revision Date	Revision By
Revision 1	1/19/2021 11:23 AM	Rovonnie McFarland
Revision 2	3/25/2021 3:56 PM	Rovonnie McFarland