



# Notice of Authorization

Permit Number: WRP005692

Issued: 01/17/2017

Expiration Date: 01/17/2022

The Michigan Department of Environmental Quality, Water Resources Division, P.O. Box 30458, Lansing, Michigan 48909-7958, under provisions of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and specifically:

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

Authorized activity:

**Permitted Activity: Replace one 90 foot long by 8.5 foot wide by 2.25 foot deep floating boom and repair two existing booms at the Belle Isle Water Supply Intake Lagoon along the Detroit River. Project site is located within the City of Detroit, Wayne County. All work shall be completed in accordance with DEQ approved plans and specific conditions of this permit.**

To be conducted at property located: GLWA Lakeside Drive  
Wayne County, Section 6 Town/Range 02S/13E Belle Isle, Detroit.

Permittee: Grant Gartrell  
Great Lakes Water Authority (GLWA)  
735 Randolph Street  
Detroit, MI 48226

Jeremy Richardson  
Water Resources Division

*This notice must be displayed at the site of work.  
Laminating this notice or utilizing sheet protectors is recommended.*

Please refer to the above Permit Number with any questions or concerns.



**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER RESOURCES DIVISION  
PERMIT**

**ISSUED TO:**

Mr. Grant Gartrell  
Great Lakes Water Authority (GLWA)  
735 Randolph Street  
Detroit, MI 48226

<b>Permit No.</b>	WRP005692
<b>Issued</b>	January 17, 2017
<b>Extended</b>	
<b>Revised</b>	
<b>Expires</b>	January 17, 2022

This permit is being issued by the Michigan Department of Environmental Quality (MDEQ) under the provisions of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), and specifically:

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Part 301, Inland Lakes and Streams  | <input type="checkbox"/> Part 315, Dam Safety                           |
| <input type="checkbox"/> Part 325, Great Lakes Submerged Lands          | <input type="checkbox"/> Part 323, Shorelands Protection and Management |
| <input type="checkbox"/> Part 303, Wetlands Protection                  | <input type="checkbox"/> Part 353, Sand Dunes Protection and Management |
| <input type="checkbox"/> Part 31, Floodplain/Water Resources Protection |   |

Permission is hereby granted, based on permittee assurance of adherence to State of Michigan requirements and permit conditions, to:

<p><b>Permitted Activity:</b> Replace one 90 foot long by 8.5 foot wide by 2.25 foot deep floating boom and repair two existing booms at the Belle Isle Water Supply Intake Lagoon along the Detroit River. Project site is located within the City of Detroit, Wayne County. All work shall be completed in accordance with DEQ approved plans and specific conditions of this permit.</p>
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**Water Course Affected:** Detroit River

**Property Location:** Wayne County, City of Detroit, Section 6

Ward #15, Item #1 Subdivision, Lot                      Town/Range 2S, 13E    Property Tax No. 1500001

**Authority granted by this permit is subject to the following limitations:**

- A. Initiation of any work on the permitted project confirms the permittee's acceptance and agreement to comply with all terms and conditions of this permit.
- B. The permittee, in exercising the authority granted by this permit, shall not cause unlawful pollution as defined by Part 31, Water Resources Protection, of the NREPA.
- C. This permit shall be kept at the site of the work and available for inspection at all times during the duration of the project or until its date of expiration.
- D. All work shall be completed in accordance with the approved plans and specifications submitted with the application and/or plans and specifications attached to this permit.
- E. No attempt shall be made by the permittee to forbid the full and free use by the public of public waters at or adjacent to the structure or work approved.
- F. It is made a requirement of this permit that the permittee give notice to public utilities in accordance with Act 53 of the Public Act of 1974 and comply with each of the requirements of that Act.
- G. This permit does not convey property rights in either real estate or material, nor does it authorize any injury to private property or invasion of public or private rights, nor does it waive the necessity of seeking federal assent, all local permits, or complying with other state statutes.
- H. This permit does not prejudice or limit the right of a riparian owner or other person to institute proceedings in any circuit court of this state when necessary to protect his rights.
- I. Permittee shall notify the MDEQ within one week after the completion of the activity authorized by this permit, by completing and forwarding the attached preaddressed postcard to the office addressed thereon.

- J. This permit shall not be assigned or transferred without the written approval of the MDEQ.
- K. Failure to comply with conditions of this permit may subject the permittee to revocation of permit and criminal and/or civil action as cited by the specific state act, federal act, and/or rule under which this permit is granted.
- L. All dredged or excavated materials shall be disposed of in an upland site (outside of floodplains, unless exempt under Part 31, and wetland).
- M. In issuing this permit, the MDEQ has relied on the information and data that the permittee has provided in connection with the submitted application for permit. If, subsequent to the issuance of a permit, such information and data prove to be false, incomplete, or inaccurate, the MDEQ may modify, revoke, or suspend the permit, in whole or in part, in accordance with the new information.
- N. The permittee shall indemnify and hold harmless the State of Michigan and its departments, agencies, officials, employees, agents, and representatives for any and all claims or causes of action arising from acts or omissions of the permittee, or employees, agents, or representative of the permittee, undertaken in connection with this permit. The permittee's obligation to indemnify the State of Michigan applies only if the State (1) provides the permittee or its designated representative written notice of the claim or cause of action within 30 days after it is received by the State and (2) consents to the permittee's participation in the proceeding on the claim or cause of action. It does not apply to contested case proceedings under the Administrative Procedures Act challenging the permit. This permit shall not be construed as an indemnity by the State of Michigan for the benefit of the permittee or any other person.
- O. Noncompliance with these terms and conditions and/or the initiation of other regulated activities not specifically authorized shall be cause for the modification, suspension, or revocation of this permit, in whole or in part. Further, the MDEQ may initiate criminal and/or civil proceedings as may be deemed necessary to correct project deficiencies, protect natural resource values, and secure compliance with statutes.
- P. If any change or deviation from the permitted activity becomes necessary, the permittee shall request, in writing, a revision of the permitted activity from the MDEQ. Such revision request shall include complete documentation supporting the modification and revised plans detailing the proposed modification. Proposed modifications must be approved, in writing, by the MDEQ prior to being implemented.
- Q. This permit may be transferred to another person upon written approval of the MDEQ. The permittee must submit a written request to the MDEQ to transfer the permit to the new owner. The new owner must also submit a written request to the MDEQ to accept transfer. The new owner must agree, in writing, to accept all conditions of the permit. A single letter signed by both parties which includes all the above information may be provided to the MDEQ. The MDEQ will review the request and if approved, will provide written notification to the new owner.
- R. Prior to initiating permitted construction, the permittee is required to provide a copy of the permit to the contractor(s) for review. The property owner, contractor(s), and any agent involved in exercising the permit are held responsible to ensure that the project is constructed in accordance with all drawings and specifications. The contractor is required to provide a copy of the permit to all subcontractors doing work authorized by the permit.
- S. Construction must be undertaken and completed during the dry period of the wetland. If the area does not dry out, construction shall be done on equipment mats to prevent compaction of the soil.
- T. Authority granted by this permit does not waive permit requirements under Part 91, Soil Erosion and Sedimentation Control, of the NREPA, or the need to acquire applicable permits from the County Enforcing Agent.
- U. Authority granted by this permit does not waive permit requirements under the authority of Part 305, Natural Rivers, of the NREPA. A Natural Rivers Zoning Permit may be required for construction, land alteration, streambank stabilization, or vegetation removal along or near a natural river.
- V. The permittee is cautioned that grade changes resulting in increased runoff onto adjacent property is subject to civil damage litigation.
- W. Unless specifically stated in this permit, construction pads, haul roads, temporary structures, or other structural appurtenances to be placed in a wetland or on bottomland of the waterbody are not authorized and shall not be constructed unless authorized by a separate permit or permit revision granted in accordance with the applicable law.
- X. For projects with potential impacts to fish spawning or migration, no work shall occur within fish spawning or migration timelines (i.e., windows) unless otherwise approved in writing by the MDNR, Fisheries Division.
- Y. Work to be done under authority of this permit is further subject to the following special instructions and specifications:

1. This permit is being issued for the maximum time allowed and no extensions of this permit will be granted. Initiation of the construction work authorized by this permit indicates the permittee's acceptance of this condition. The permit, when signed by the MDEQ, will be for a five-year period beginning at the date of issuance. If the project is not completed by the expiration date, a new permit must be sought.

2. Authority granted by this permit does not waive any jurisdiction of the United States Army Corps of Engineers or the need for a federal permit, if required.

3. The authority to conduct the activity as authorized by this permit is granted solely under the provisions of the governing act as identified above. This permit does not convey, provide, or otherwise imply approval of any other governing act, ordinance, or regulation, nor does it waive the permittee's obligation to acquire any local, county, state or federal approval or authorization, necessary to conduct the activity.

4. Prior to the start of construction, all adjacent non-work wetland areas shall be protected by properly trenched sedimentation barrier to prevent sediment from entering the wetland. Orange construction fencing

shall be installed as needed to prohibit construction personnel and equipment from entering or performing work in these areas. Fence shall be maintained daily throughout the construction process. Upon project completion, the accumulated materials shall be removed and disposed of at an upland site, the sedimentation barrier shall then be removed in its entirety and the area restored to its original configuration and cover.

5. This permit is limited to authorizing the construction as specified above and carries with it no assurances or implications that associated lake, stream, wetland or floodplain areas can be developed and serviced by the structures authorized by this permit.

6. Prior to the initiation of any permitted construction activities, a sedimentation barrier shall be constructed immediately down gradient of the construction site. Sedimentation barriers shall be specifically designed to handle the sediment type, load, water depth, and flow conditions of each construction site throughout the anticipated time of construction and unstable site conditions. The sedimentation barrier shall be maintained in good working order throughout the duration of the project. Upon project completion, the accumulated materials shall be removed and disposed of at an upland (non-wetland, non-floodplain) site and stabilized with seed and mulch. The sedimentation barrier shall then be removed in its entirety and the area restored to its original configuration and cover.

7. During removal or repair of the existing structure, every precaution shall be taken to prevent debris from entering any watercourse. Any debris reaching the watercourse during the removal and/or reconstruction of the structure shall be immediately retrieved from the water. All material shall be disposed of in an acceptable manner consistent with local, state, and federal regulations.

8. Dredging is not authorized by this permit.

9. Filling is not authorized by this permit.

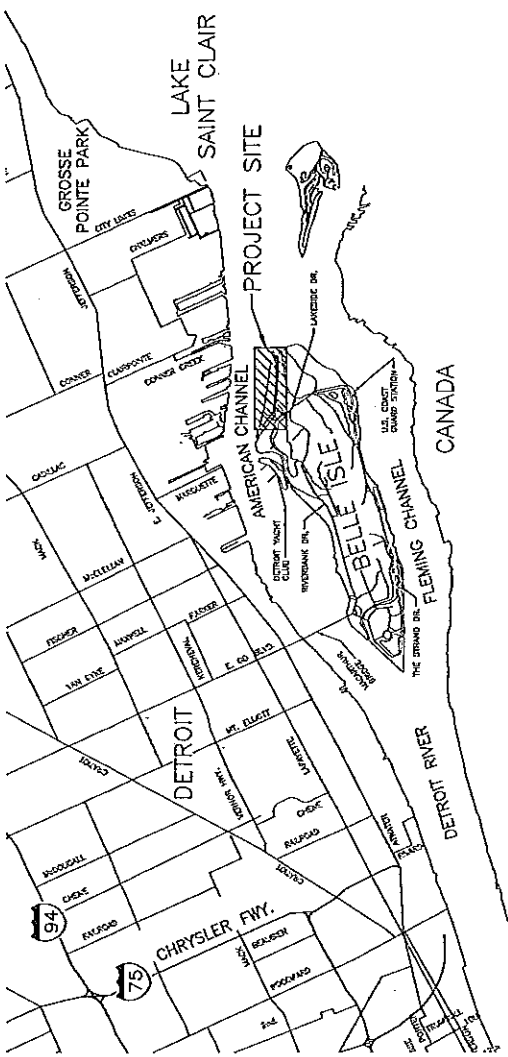
10. All raw areas in uplands resulting from the permitted construction activity shall be effectively stabilized with sod and/or seed and mulch (or other technology specified by this permit or project plans) in a sufficient quantity and manner to prevent erosion and any potential siltation to surface waters or wetlands. Temporary stabilization measures shall be installed before or upon commencement of the permitted activity, and shall be maintained until permanent measures are in place. Permanent measures shall be in place within five (5) days of achieving final grade.

11. The permittee is responsible for acquiring all necessary easements or rights-of-way before commencing any work authorized by this permit. All construction operations relating to or part of this project shall be confined to the existing right-of-way limits or other acquired easements.

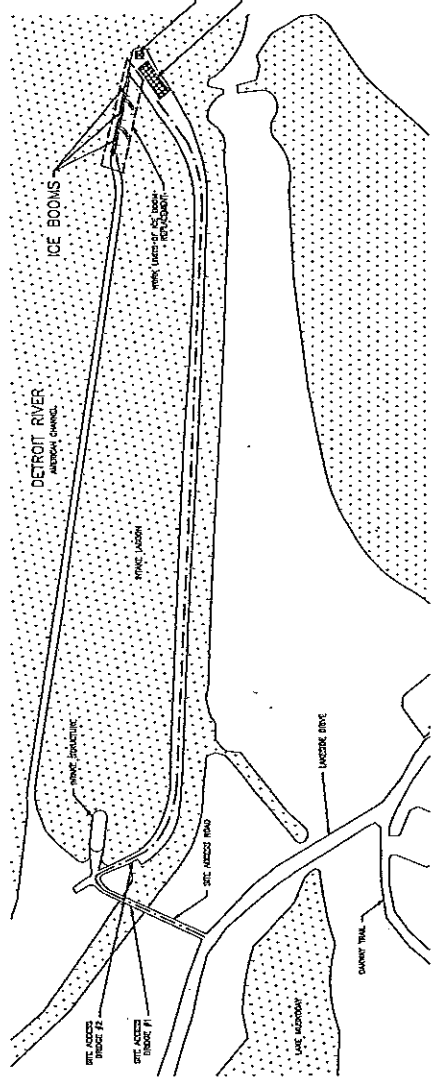
By: 

Jeremy Richardson  
Water Resources Division  
586-753-3860

cc: City of Detroit Clerk  
Wayne County CEA  
USACE Detroit District  
Cheryl Porter, GLWA



VICINITY MAP  
SCALE: 1" = 1000'



PROJECT SITE PLAN  
SCALE: AS SHOWN

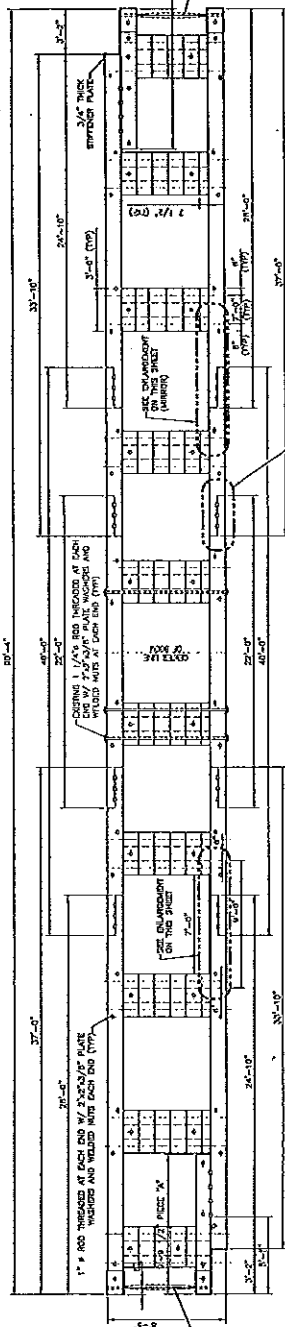
NOTES:

1. WORKING DRAWINGS AND SPECIFICATIONS FOR THE PROJECT ARE TO BE USED TO CONSTRUCT THE PROJECT AND TO BE KEPT ON SITE AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES OF THE STATE OF MICHIGAN AND THE FEDERAL GOVERNMENT.
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3. MATERIALS AND METHODS OF CONSTRUCTION SHALL BE APPROVED BY THE ENGINEER AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES OF THE STATE OF MICHIGAN AND THE FEDERAL GOVERNMENT.
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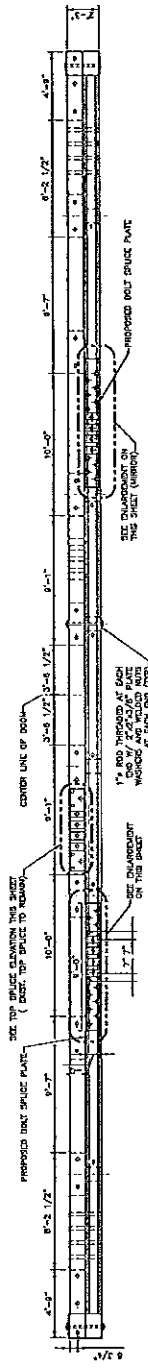
DEQ-WRD-WRU  
FILE# W10003012  
APPROVED PLANS  
1 OF 6  
SEMI-DIST.

DRAWING NO. GLWA-SCP-CON-094 PROJECT NO. 1927-70080-N13 SHEET NO. G-1	
<b>benesch</b> engineers - scientists - planners 615 Crawford St., Suite 600 Detroit, Michigan 48226 P 313-963-0612 F 313-963-2166	
GLWA-SCP-CON-094 BELLE ISLE WATER SUPPLY INTAKE LAGOON ICE BOOM REPLACEMENT AND IMPROVEMENTS INTAKE LAGOON ENTRANCE PLAN AND SECTION	
DESIGNED BY: [ ] DRAWN BY: [ ] CHECKED BY: [ ] APPROVED BY: [ ]	DATE: [ ] DATE: [ ] DATE: [ ] DATE: [ ]
DESCRIPTIONS / REVISIONS	

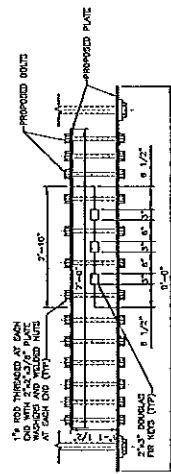




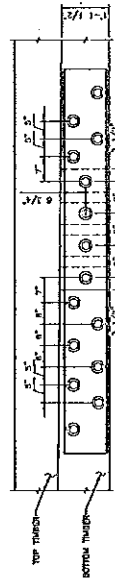
WEST ICE BOOM PLAN  
SCALE 1/4" = 1'-0"



WEST ICE BOOM ELEVATION  
SCALE 1/4" = 1'-0"



BOTTOM SPICE PLAN  
SCALE 3/4" = 1'-0"



BOTTOM SPICE ELEVATION  
SCALE 3/4" = 1'-0"

- NOTES:
1. ALL DIMENSIONS SHALL BE UNLESS OTHERWISE SPECIFIED.
  2. ALL DIMENSIONS SHALL BE UNLESS OTHERWISE SPECIFIED.
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  4. ALL DIMENSIONS SHALL BE UNLESS OTHERWISE SPECIFIED.

QUANTITY	UNIT	QUANTITY
1200	LB	1200
1200	LB	1200

DEQ-WRD-WRU  
FILE#W300000  
APPROVED PLANS  
OF 16  
SEMI-DIST.

PROJECT NO. LRE-1927-70090-N13  
DRAWN BY: GLWA-SCP-CON-084  
DATE: 10/20/11



benesch  
engineers - scientist - planners  
615 Griswold St, Suite 800  
Detroit, Michigan 48226  
P 313-963-6812 | F 313-963-2166

GLWA-SCP-CON-084  
BELLE ISLE WATER SUPPLY INTAKE LAGOON  
ICE BOOM REPLACEMENT AND IMPROVEMENTS  
WEST ICE BOOM  
PLAN, ELEVATION AND DETAILS

NO.	DATE	DESCRIPTION / REVISIONS
F		
E		
D		
C		
B		
A		

S-1







