



REPLY TO
ATTENTION OF:

DEPARTMENT OF THE ARMY
DETROIT DISTRICT, CORPS OF ENGINEERS

DEPARTMENT OF THE ARMY
DETROIT DISTRICT, CORPS OF ENGINEERS
477 MICHIGAN AVENUE
DETROIT, MICHIGAN 48226-2550

RECEIVED
JUL 22 2013

CITY OF NEW BALTIMORE

July 16, 2013

Engineering & Technical Services
Regulatory Office
File Number LRE-2013-00410-10-N13.

City of New Baltimore
36535 Green Street
New Baltimore, MI 48047

To Whom It May Concern:

Reference your application for a Department of the Army (DA) permit to perform mechanical maintenance dredging in a canal of Lake St Clair at Viola, Schmid, and Bal-Clair Streets, New Baltimore, Michigan. We have verified that the project is authorized by Nationwide Permit 35 as published in the Federal Register.

You may proceed with the work per the following project description, attached drawings, and attached general and special conditions:

Install and remove turbidity curtains. Perform mechanical dredging of approximately 2,730 cubic yards of sediment: 1. in an unnamed canal approximately 25 feet wide by 790 feet long to an elevation 3 feet below Low Water Datum of Lake St Clair of 572.3 (IGLD 1985); 2. in Crapaud Creek in a 25-foot by 300-foot area to an elevation 2.5 feet below Low Water Datum of Lake St Clair of 572.3 (IGLD 1985); 3. in a 25-foot by 800-foot area of Anchor Bay to an elevation 2.5 feet below Low Water Datum of Lake St Clair of 572.3 (IGLD 1985). All dredged materials to be disposed of at an upland location.

Special Conditions:

1. If you discover any unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately stop work in that area and notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
2. Temporary and/or permanent sidelaying of dredged material and/or placement of fill material into the waterway or wetland for any purpose, including operating and/or placing equipment, is not authorized.
3. All dredged and/or excavated materials will be disposed of in upland location(s) landward of the Ordinary High Water Mark with no placement in, or return to, any waterway or wetland. Permittee must provide a map of the upland disposal site to this office prior to commencing dredging.

4. Except for the year 2013, when dredging is allowed throughout the entire year, all dredging is prohibited during the period April 1st through September 30th, as designated in the issued Michigan Department of Environmental Quality (MDEQ) permit. If the MDEQ modifies the dredge window, the permittee must provide a copy of such modification to the Corps of Engineers prior to the start of dredging.

5. Prior to beginning any dredging, the permittee shall install commercial-grade silt curtains that extend from a floating boom on the lake surface down to the bed of the waterway. The silt curtain shall continuously and completely enclose the dredge area. The silt curtain shall be properly anchored onshore, and anchored offshore at 25-foot intervals to provide a stable and functional barrier. The silt curtain shall be maintained in effective working condition until all dredging is completed and turbidity has returned to background levels. In the event that the silt curtain remains in place overnight, the applicant will coordinate proper marking of the silt curtain with the USCG and their requirements (e.g. lighting, reflective paints, etc.) will become special conditions under this permit.

Any construction activity other than that shown on the plans may not qualify for the authorization. If you contemplate any changes or additional activities from those depicted on the plans, please submit them to this office for authorization review prior to any construction. On completion of the work, you must fill in and return the enclosed COMPLETION REPORT.

This verification is invalid until you obtain an appropriate state permit/certification or waiver thereof. You must not initiate activities authorized under the NWP until all required State authorizations have been received. If local approvals are required, we recommend you contact the appropriate local government body directly.

The work subject to this permit verification will occur in a navigable water of the United States. The Detroit District, U.S. Army Corps of Engineers has previously made a determination of jurisdiction (JD) for the navigable waters within the geographic area under the Detroit District's regulatory authority and posted a copy of the approved JD for those waters online at: <http://www.lre.usace.army.mil/Portals/69/docs/regulatory/PDFs/GENSEC10.pdf>. If you are not in agreement with this approved JD, you can make an administrative appeal under 33 CFR 331. We have enclosed a form entitled Notification of Administrative Appeals Options and Process and Request for Appeal, describing all of your appeals options regarding this approved JD. If you accept the approved JD, you may start work; you do not need to sign and submit the appeals form. Starting work is considered your specific agreement to all terms and conditions of the permit. If you elect to return the appeals document, your response is required within 60 days from the date of this letter. Please contact us if you have questions on our appeals process and/or wish to have us provide you with a copy of our approved JD.

This verification is valid until the NWP is modified, reissued, or revoked. All of the existing NWPs are scheduled to be modified, reissued, or revoked prior to March 18, 2017. It is incumbent upon you to remain informed of changes to the NWPs. We will issue a public notice when the NWPs are reissued. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant nationwide permit is modified or revoked, you will

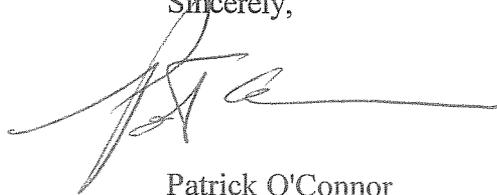
have twelve (12) months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this nationwide permit.

As per 33 CFR 325, Appendix A, representatives from this office are allowed to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of the Nationwide Permit.

Should you have any questions, please contact me at the above address, by E-Mail at patrick.s.oconnor@us.army.mil, or by telephone at 313-226-1328. In all communications, please refer to File Number LRE-2013-00410-10-N13.

We are interested in your thoughts and opinions concerning your experience with the Detroit District, Corps of Engineers Regulatory Program. If you are interested in letting us know how we are doing, you can complete an electronic Customer Service Survey from our web site at: <http://per2.nwp.usace.army.mil/survey.html>. Alternatively, you may contact us and request a paper copy of the survey that you may complete and return to us by mail or fax. Thank you for taking the time to complete the survey, we appreciate your feedback.

Sincerely,

A handwritten signature in black ink, appearing to read 'Patrick O'Connor', written over a horizontal line.

Patrick O'Connor
Project Manager
Permit Evaluation Eastern Branch

Enclosures

Copy Furnished

MDEQ, SE MI, Golden, 13-50-86
Enforcement
Agent, Project Control Engineering

A. Nationwide Permit General Conditions:

To qualify for NWP authorization, the permittee must comply with the following general conditions, as appropriate. These conditions are selected from those published in the Federal Register that are particularly relevant to the construction and/or operation of this particular authorized activity. The complete text is available at our website, under Detroit Regulatory Quick→ Detroit District General Permit Types→“Nationwide Permits with Michigan Regional Conditions” OR “Nationwide Permits with Indiana Regional Conditions”: <http://www.lre.usace.army.mil/Missions/RegulatoryProgramandPermits.aspx> or you may contact the Detroit District. We have done our best to verify that your project complies with the others, where applicable.

1. Navigation. (b) Any safety lights and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, must be installed and maintained at the permittee's expense on authorized facilities in navigable waters of the United States.

(c) The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

9. Management of Water Flows. To the maximum extent practicable, the pre-construction course, condition, capacity, and location of open waters must be maintained for each activity, including stream channelization and storm water management activities, except as provided below. The activity must be constructed to withstand expected high flows. The activity must not restrict or impede the passage of normal or high flows, unless the primary purpose of the activity is to impound water or manage high flows. The activity may alter the pre-construction course, condition, capacity, and location of open waters if it benefits the aquatic environment (e.g., stream restoration or relocation activities).

11. Equipment. Heavy equipment working in wetlands or mudflats must be placed on mats, or other measures must be taken to minimize soil disturbance.

12. Soil Erosion and Sediment Controls. Appropriate soil erosion and sediment controls must be used and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark or high tide line, must be permanently stabilized at the earliest practicable date. Permittees are encouraged to perform work within waters of the United States during periods of low-flow or no-flow.

13. Removal of Temporary Fills. Temporary fills must be removed in their entirety and the affected areas returned to

pre-construction elevations. The affected areas must be revegetated, as appropriate.

14. Proper Maintenance. Any authorized structure or fill shall be properly maintained, including maintenance to ensure public safety.

19. Migratory Birds and Bald and Golden Eagle Permits. The permittee is responsible for obtaining any “take” permits required under the U.S. Fish and Wildlife Service’s regulations governing compliance with the Migratory Bird Treaty Act or the Bald and Golden Eagle Protection Act. The permittee should contact the appropriate local office of the U.S. Fish and Wildlife Service to determine if such “take” permits are required for a particular activity.

20. Historic Properties. (e) Prospective permittees should be aware that section 110k of the NHPA (16 U.S.C. 470h-2(k)) prevents the Corps from granting a permit or other assistance to an applicant who, with intent to avoid the requirements of Section 106 of the NHPA, has intentionally significantly adversely affected a historic property to which the permit would relate, or having legal power to prevent it, allowed such significant adverse effect to occur, unless the Corps, after consultation with the Advisory Council on Historic Preservation (ACHP), determines that circumstances justify granting such assistance despite the adverse effect created or permitted by the applicant. If circumstances justify granting the assistance, the Corps is required to notify the ACHP and provide documentation specifying the circumstances, explaining the degree of damage to the integrity of any historic properties affected, and proposed mitigation. This documentation must include any views obtained from the applicant, SHPO/THPO, appropriate Indian tribes if the undertaking occurs on or affects historic properties on tribal lands or affects properties of interest to those tribes, and other parties known to have a legitimate interest in the impacts to the permitted activity on historic properties.

21. Discovery of Previously Unknown Remains and Artifacts. If you discover any previously unknown historic, cultural or archeological remains and artifacts while accomplishing the activity authorized by this permit, you must immediately notify the district engineer of what you have found, and to the maximum extent practicable, avoid construction activities that may affect the remains and artifacts until the required coordination has been completed. The district engineer will initiate the Federal, Tribal and state coordination required to determine if the items or remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

29. Transfer of Nationwide Permit Verifications. If the permittee sells the property associated with a nationwide permit verification, the permittee may transfer the nationwide permit verification to the new owner by submitting a letter to the appropriate Corps district office to validate the transfer. A copy of the nationwide permit verification must be attached to the letter, and the letter must contain the following statement and signature:

“When the structures or work authorized by this nationwide permit are still in existence at the time the

property is transferred, the terms and conditions of this nationwide permit, including any special conditions, will continue to be binding on the new owner(s) of the property. To validate the transfer of this nationwide permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.”

(Transferee)

(Date)

30. Compliance Certification. Each permittee who receives an NWP verification from the Corps must submit a signed certification regarding the completed work and any required mitigation. The certification form, forwarded by the Corps with this NWP verification letter, includes:

(a) A statement that the authorized work was done in accordance with the NWP authorization, including any general or specific conditions;

(b) A statement that any required mitigation was completed in accordance with the permit conditions; and

(c) A place for the signature of the permittee certifying the completion of the work and mitigation.

B. Further Information

1. District Engineers have authority to determine if an activity complies with the terms and conditions of an NWP.

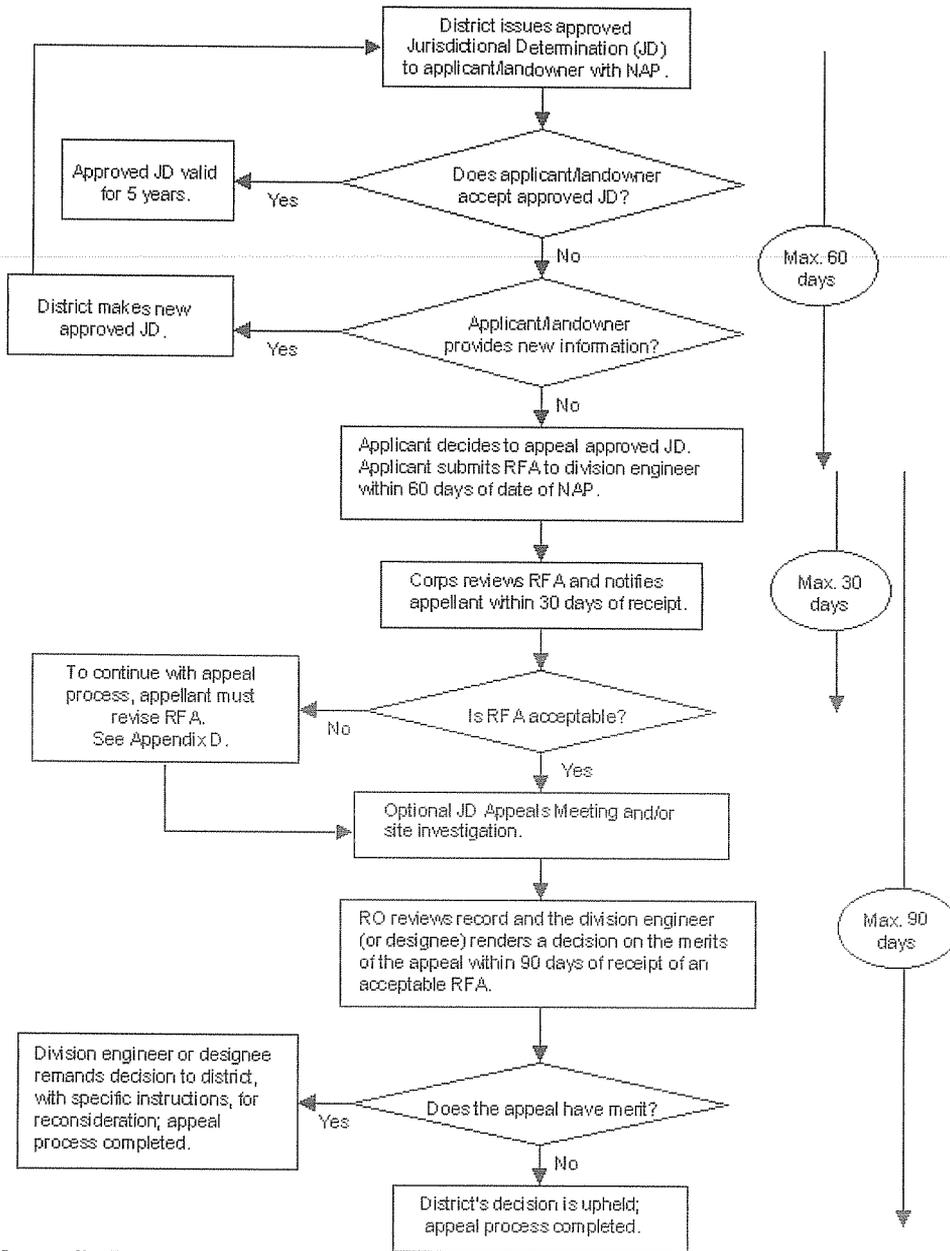
2. NWPs do not obviate the need to obtain other federal, state, or local permits, approvals, or authorizations required by law.

3. NWPs do not grant any property rights or exclusive privileges.

4. NWPs do not authorize any injury to the property or rights of others.

5. NWPs do not authorize interference with any existing or proposed Federal project

Administrative Appeal Process for Approved Jurisdictional Determinations



Appendix C

**NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND
REQUEST FOR APPEAL**

Applicant:	File Number: LRE-2013-00410-10-N13.	Date: July 16, 2013
Attached is:	See Section below	
	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A
	PROFFERED PERMIT (Standard Permit or Letter of permission)	B
	PERMIT DENIAL	C
X	APPROVED JURISDICTIONAL DETERMINATION	D
	PRELIMINARY JURISDICTIONAL DETERMINATION	E

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at http://www.usace.army.mil/cecw/pages/reg_materials.aspx or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit.

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.

- **ACCEPT:** You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- **APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION:

If you have questions regarding this decision and/or the appeal process you may contact:

Patrick Oconnor
U.S. Army Corps of Engineers
Regulatory Office

DEPARTMENT OF THE ARMY
DETROIT DISTRICT, CORPS OF ENGINEERS
477 MICHIGAN AVENUE
DETROIT, MICHIGAN 48226-2550

313-226-1328

If you only have questions regarding the appeal process you may also contact:

Appeal Review Officer
U.S. Army Corps of Engineers
Great Lakes and Ohio River Division
550 Main Street, Room 10-524
Cincinnati, Ohio 45202-3222

Tel. (513) 684-6212 Fax. (513) 684-2460

RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

Date:

Telephone number:

Signature of appellant or agent.

NATIONWIDE PERMIT COMPLETION REPORT

CELRE-PE

Chief, Compliance and Enforcement Branch
Regulatory Office
U.S. Army Corps of Engineers
477 Michigan Avenue
Room 603
Detroit, MI 48226-2550

Dear Sir:

You are hereby notified that work under Department of the Army Permit No. LRE-2013-00410-10-N13 to perform maintenance dredging in a canal of Lake St Clair at Viola, Schmid, and Bal-Clair Streets, New Baltimore, Macomb County Michigan, issued to the City of New Baltimore was completed in accordance with the permit on:

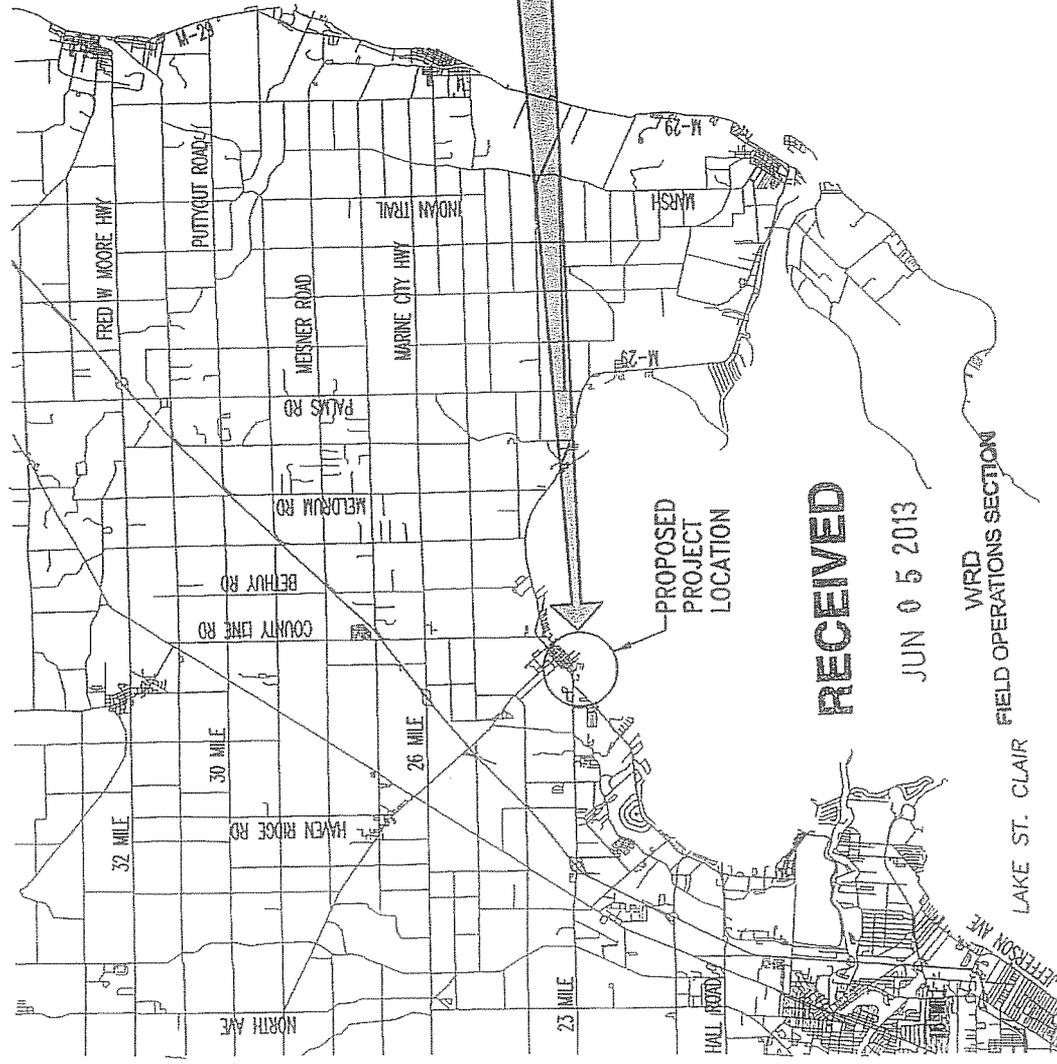
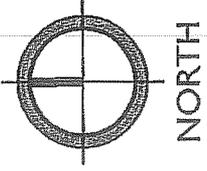
(Date work completed)

(Permittee's Signature)

IMPORTANT

1. This COMPLETION REPORT MUST BE MAILED to the above addressee within 10 days after completion of work covered by the FEDERAL PERMIT to insure an accurate Government record of data affecting navigation.
2. Where dredging soundings are made of projects which include dredging, a copy of the soundings should accompany this report. If the soundings are measured from the water surface and have not been corrected to International Great Lakes Datum plane, the hour and date soundings was made should be noted on sounding reports.

NOTE: Although permits authorizing structures carry an expiration date, REPAIRS that conform to the permit plans are also within the scope of the authorization. Therefore, it is recommended that expired permits NOT be destroyed, but retained as proof that the work to be repaired has received the Corps of Engineers' approval.



PROPOSED PROJECT LOCATION

PROPOSED PROJECT LOCATION

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JUN 05 2013

WRD
FIELD OPERATIONS SECTION

LAKE ST. CLAIR

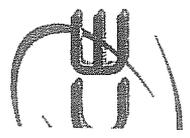
TOTAL EXCAVATION
BELOW OHWM
ELEV.=575.30 IGLD 85
LENGTH=VARIES (SEE PLANS)
WIDTH=VARIES (SEE PLANS)
VOLUME=73,710 C.F.=2,730 C.Y.



INDICATES EXCAVATION LIMITS

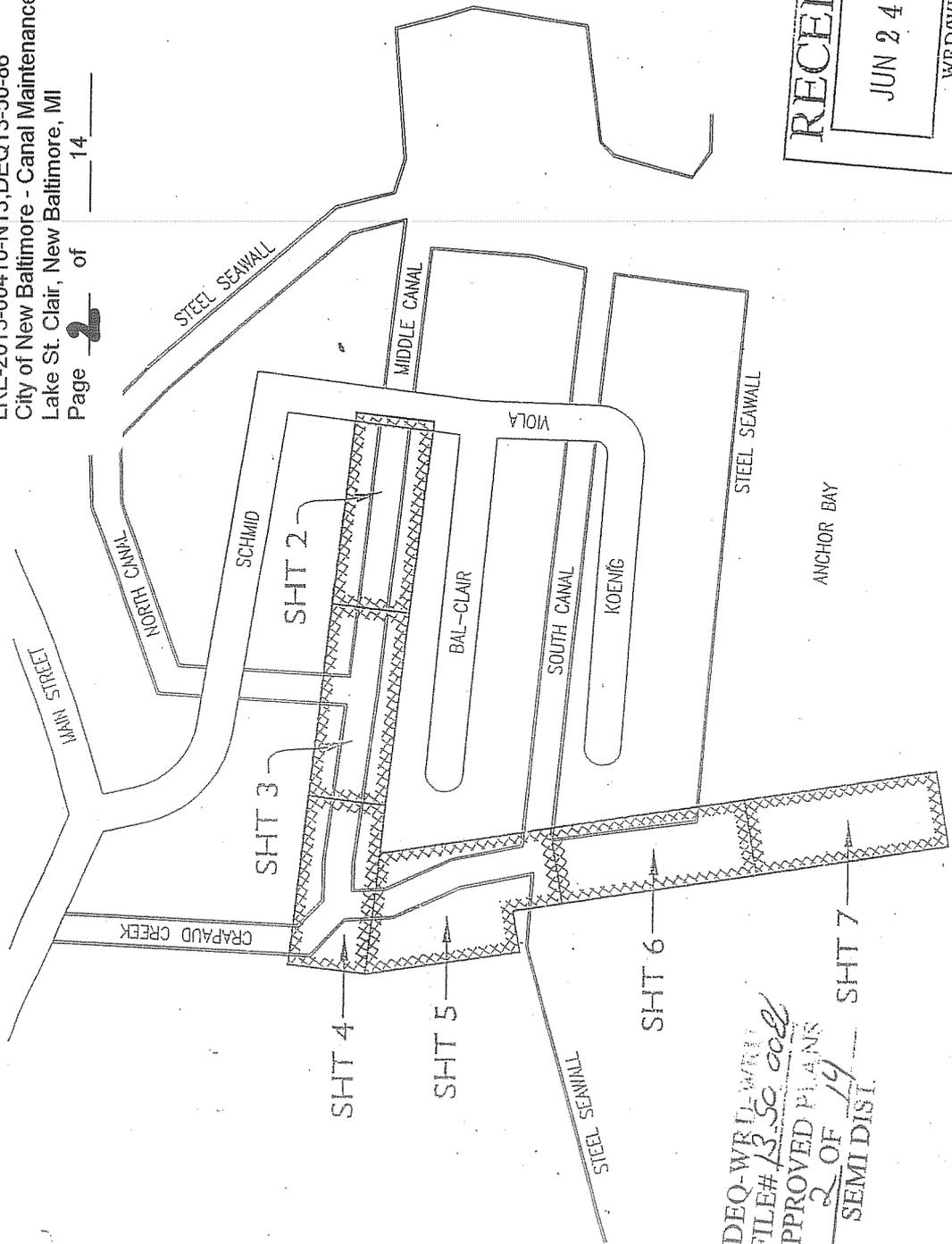
FLOODPLAIN-GREAT LAKES SUBMERGED LAND

Project Control Engineers, Inc.
Engineers Surveyors Consultants
P.O. Box 307
2420 Pte. Tremble Road
Algonac, MI, 48001
Phone 810.794.1931
Fax 810.794.3331
www.pce-eng.com



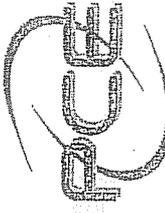
APPLICANT: CITY OF NEW BALTIMORE
PROJECT: PROPOSED RE-DREDGING
WATER WAY: ANCHOR BAY, CRAPAUD CREEK & CANAL
CITY/TWP.: CITY OF NEW BALTIMORE
COUNTY: MACOMB
SHEET NO.: 1
DATE: 5-21-13

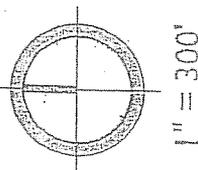
LRE-2013-00410-N13;DEQ13-50-86
City of New Baltimore - Canal Maintenance Dredging
Lake St. Clair, New Baltimore, MI
Page 1 of 14



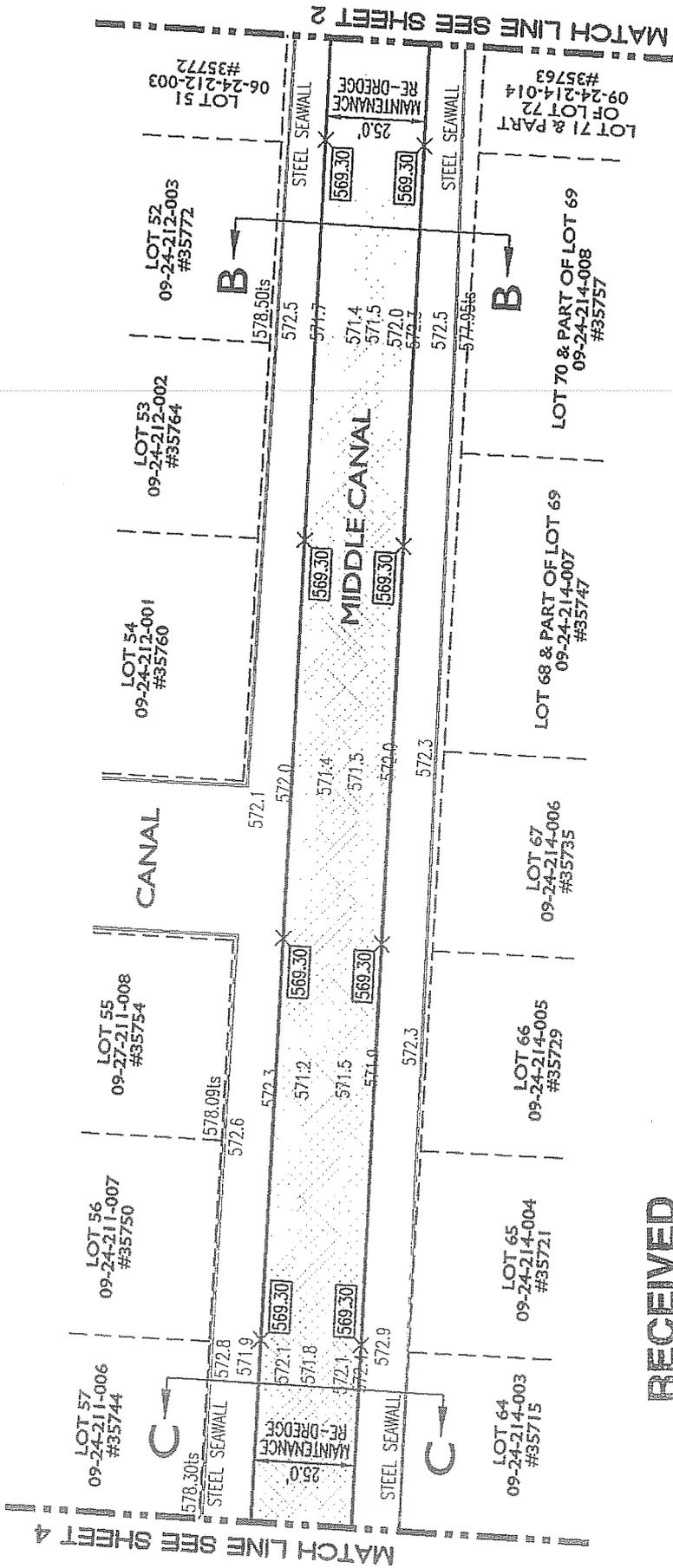
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 JUN 24 2013
 WRD/WRU
 SEMI DIST.

DEQ-WR D-WR
 FILE# 13-50-008
 APPROVED PLANS
 2 OF 14
 SEMI DIST.

RE-DREDGE INDEX MAP		FLOODPLAIN-GREAT LAKES SUBMERGED LAND	
		APPLICANT: CITY OF NEW BALTIMORE PROJECT: PROPOSED RE-DREDGING WATER WAY: ANCHOR BAY, CRAPAUD CREEK & CANAL CITY/TWP.: CITY OF NEW BALTIMORE COUNTY: MACOMB SHEET NO.: 1A DATE: 5-21-13	
Project Control Engineering, Inc. Engineers Surveyors Consultants P.O. Box 307 2420 Pea Tremble Road Algonac, MI 48001 Phone 810.794.1931 Fax 810.794.3331 www.pce-eng.com			



1" = 300'

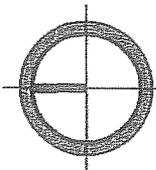


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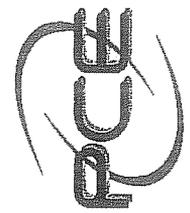
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FIELD OPERATIONS SECTION

LRE-2013-00410-N13;DEQ13-50-86
City of New Baltimore - Canal Maintenance Dredging
Lake St. Clair, New Baltimore, MI
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1" = 40'

**CANAL
RE-DREDGE
PLAN**

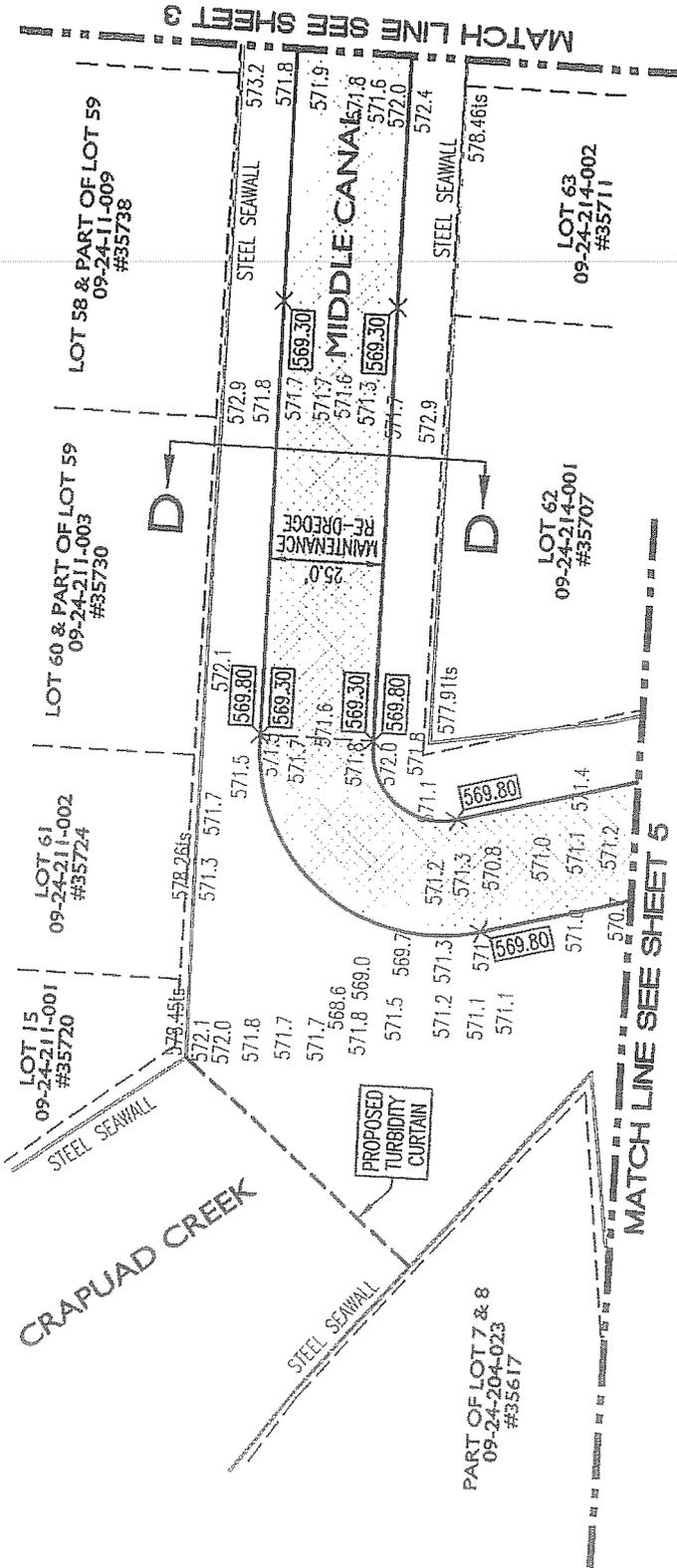


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FLOODPLAIN-GREAT LAKES SUBMERGED LAND

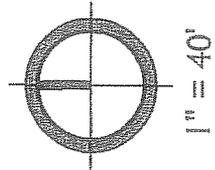
APPLICANT: CITY OF NEW BALTIMORE
PROJECT: PROPOSED RE-DREDGING
WATER WAY: ANCHOR BAY, CRAPAUD CREEK & CANAL
CITY/TWP.: CITY OF NEW BALTIMORE
COUNTY: MACOMB
SHEET NO.: 3
DATE: 5-21-13



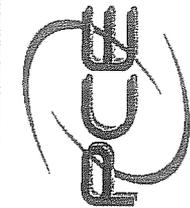
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WRD
FIELD OPERATIONS SECTION



CANAL
RE-DREDGE
PLAN



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City of New Baltimore - Canal Maintenance Dredging
Lake St. Clair, New Baltimore, MI
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FLOODPLAIN-GREAT LAKES SUBMERGED LAND

APPLICANT: CITY OF NEW BALTIMORE
PROJECT: PROPOSED RE-DREDGING
WATER WAY: ANCHOR BAY, CRAPAUD CREEK & CANAL
CITY/TWP: CITY OF NEW BALTIMORE
COUNTY: MACOMB
SHEET NO.: 4
DATE: 5-21-13

MATCH LINE SEE SHEET 4

LOT 123
09-24-220-020
#35702

PROPOSED
TURBIDITY
CURTAIN

LOT 90
09-24-216-001
#35708

LOT 62
09-24-214-001
#35707

PROPOSED
TURBIDITY
CURTAIN

570.8 571.1 571.2 571.3 571.4 571.5 571.6 571.7 571.8 571.9 572.0 572.1 572.2 572.3 572.4 572.5 572.6 572.7 572.8 572.9 573.0 573.1 573.2 573.3 573.4 573.5 573.6 573.7 573.8 573.9 574.0 574.1 574.2 574.3 574.4 574.5 574.6 574.7 574.8 574.9 575.0 575.1 575.2 575.3 575.4 575.5 575.6 575.7 575.8 575.9 576.0 576.1 576.2 576.3 576.4 576.5 576.6 576.7 576.8 576.9 577.0 577.1 577.2 577.3 577.4 577.5 577.6 577.7 577.8 577.9 578.0 578.1 578.2 578.3 578.4 578.5 578.6 578.7 578.8 578.9 579.0 579.1 579.2 579.3 579.4 579.5 579.6 579.7 579.8 579.9 580.0

ANCHOR BAY

STEEL SEAWALL

CRAPUAD CREEK

PART OF LOT 8
09-24-204-025
#35640

MATCH LINE SEE SHEET 6

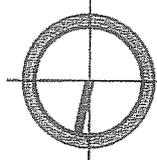
PART OF LOT 7 & 8
09-24-204-023
#35617

LRE-2013-00410-N13;DEQ13-50-86
City of New Baltimore - Canal Maintenance Dredging
Lake St. Clair, New Baltimore, MI
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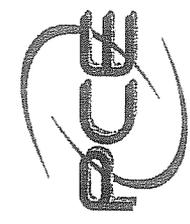
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WRD
FIELD OPERATIONS SECTION



1" = 40'

CANAL
RE-DREDGE
PLAN

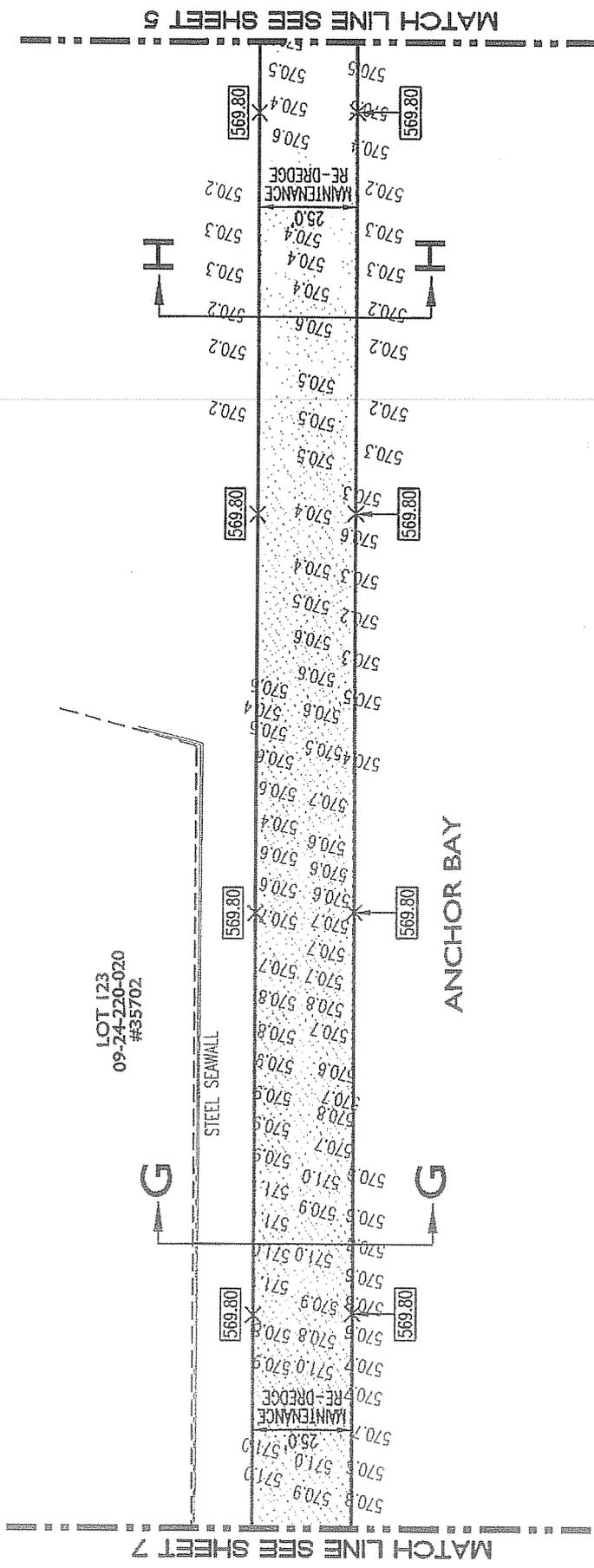


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FLOODPLAIN-GREAT LAKES SUBMERGED LAND

APPLICANT: CITY OF NEW BALTIMORE
PROJECT: PROPOSED RE-DREDGING
WATER WAY: ANCHOR BAY, CRAPUAD CREEK & CANAL
CITY/TWP.: CITY OF NEW BALTIMORE
COUNTY: MACOMB
SHEET NO.: 5
DATE: 5-21-13

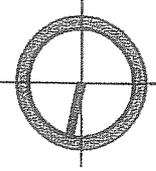


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 City of New Baltimore - Canal Maintenance Dredging
 Lake St. Clair, New Baltimore, MI
 Page 7 of 14

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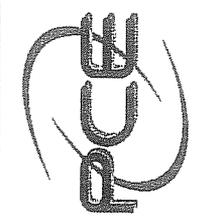
JUN 05 2013

WRD
 FIELD OPERATIONS SECTION



1" = 40'

**CANAL
 RE-DREDGE
 PLAN**



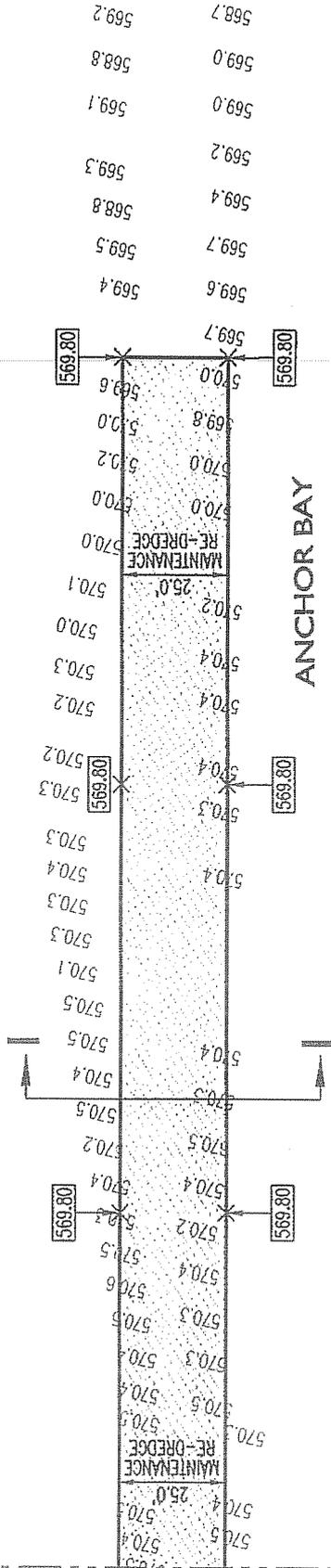
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FLOODPLAIN-GREAT LAKES SUBMERGED LAND

APPLICANT: CITY OF NEW BALTIMORE
 PROJECT: PROPOSED RE-DREDGING
 WATER WAY: ANCHOR BAY, CRAPAUD CREEK & CANAL
 CITY/TWP: CITY OF NEW BALTIMORE
 COUNTY: MACOMB
 SHEET NO.: 6
 DATE: 5-21-13

MATCH LINE SEE SHEET 6

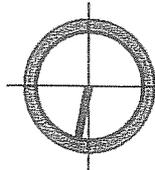


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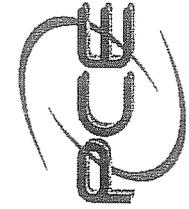
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FIELD OPERATIONS SECTION

LRE-2013-00410-N13;DEQ13-50-86
City of New Baltimore - Canal Maintenance Dredging
Lake St. Clair, New Baltimore, MI
Page 9 of 14



1" = 40'

CANAL
RE-DREDGE
PLAN



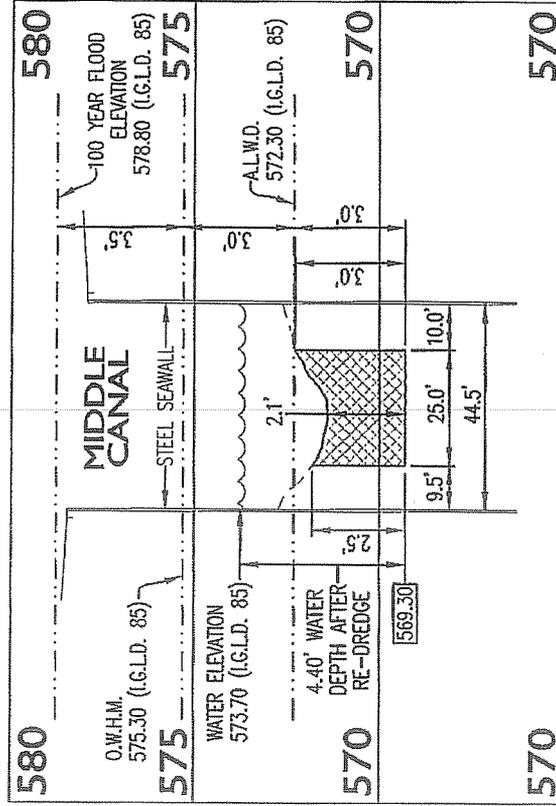
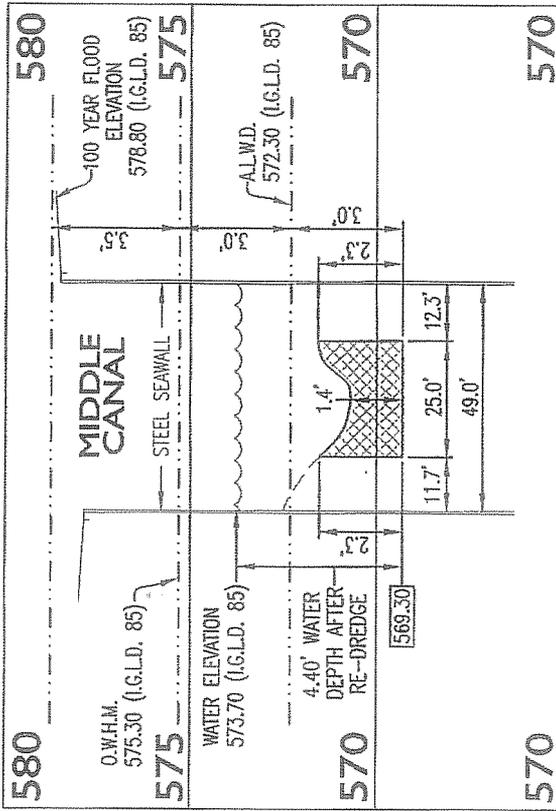
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FLOODPLAIN-GREAT LAKES SUBMERGED LAND

APPLICANT: CITY OF NEW BALTIMORE
PROJECT: PROPOSED RE-DREDGING
WATER WAY: ANCHOR BAY, CRAPAUD CREEK & CANAL
CITY/TWP: CITY OF NEW BALTIMORE
COUNTY: MACOMB
SHEET NO.: 7
DATE: 5-21-13

PROPOSED EXCAVATION
= AREA BELOW O.H.W.M.
2,730 CYD.



RECEIVED SECTION - A

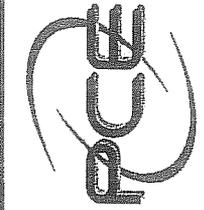
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WRD
FIELD OPERATIONS SECTION

SECTION - B

LRE-2013-00410-N13;DEQ13-50-86
City of New Baltimore - Canal Maintenance Dredging
Lake St. Clair, New Baltimore, MI
Page 7 of 14

**RE-DREDGE
SECTIONS**
1" = 40' H.
1" = 5' V.



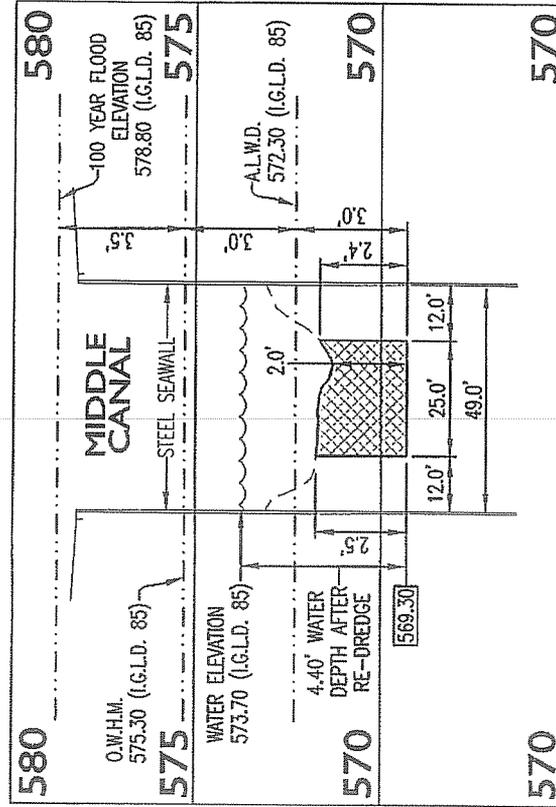
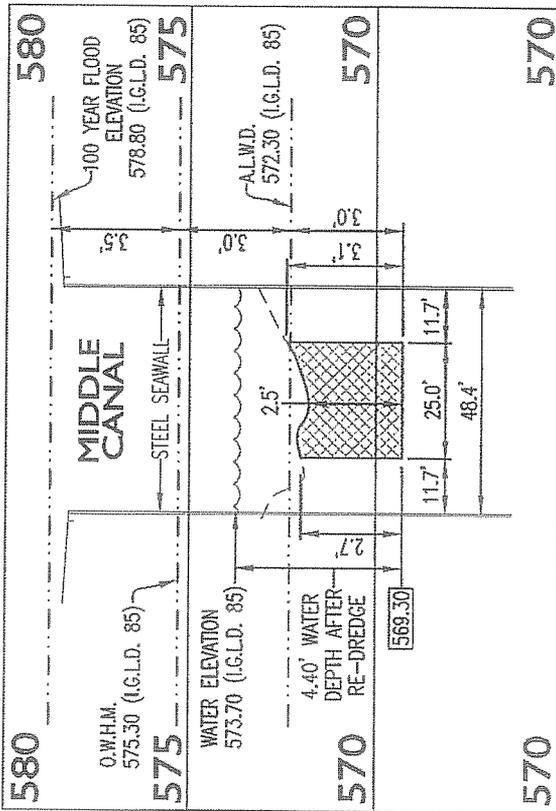
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FLOODPLAIN-GREAT LAKES SUBMERGED LAND

APPLICANT: CITY OF NEW BALTIMORE
PROJECT: PROPOSED RE-DREDGING
WATER WAY: ANCHOR BAY, CRAPAUD CREEK & CANAL
CITY/TWP.: CITY OF NEW BALTIMORE
COUNTY: MACOMB
SHEET NO.: 8
DATE: 5-21-13

PROPOSED EXCAVATION
= AREA BELOW O.H.W.M.
2,730 CYD.



SECTION - C

SECTION - D

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FIELD OPERATIONS SECTION

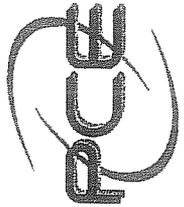
**RE-DREDGE
SECTIONS**

1" = 40' H.
1" = 5' V.

LRE-2013-00410-N13;DEQ13-50-86
City of New Baltimore - Canal Maintenance Dredging
Lake St. Clair, New Baltimore, MI
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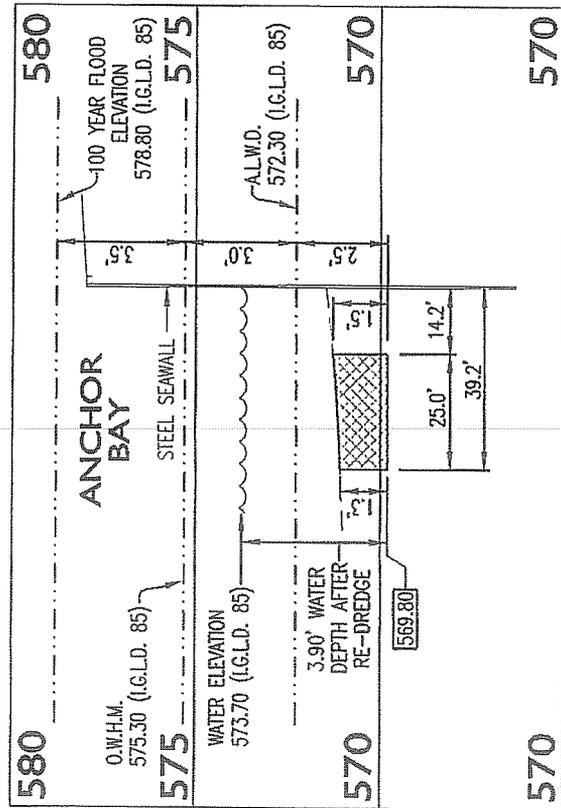
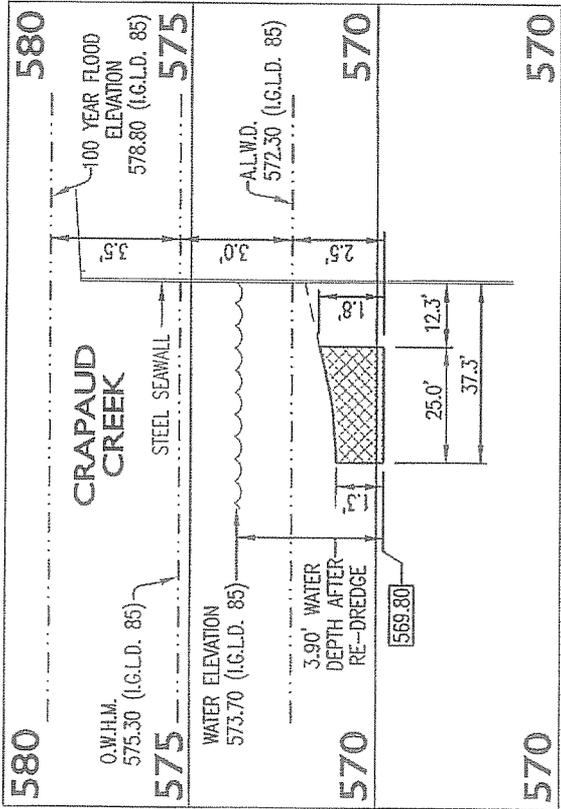
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APPLICANT: CITY OF NEW BALTIMORE
PROJECT: PROPOSED RE-DREDGING
WATER WAY: ANCHOR BAY, CRAPAUD CREEK & CANAL
CITY/TWP.: CITY OF NEW BALTIMORE
COUNTY: MACOMB
SHEET NO.: 9
DATE: 5-21-13

PROPOSED EXCAVATION
 AREA BELOW O.H.W.M.
 2,730 CYD.



SECTION - E

SECTION - F

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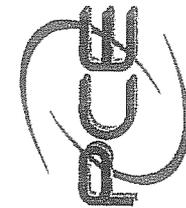
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 FIELD OPERATIONS SECTION

RE-DREDGE
 SECTIONS

1" = 40' H.
 1" = 5' V.

LRE-2013-00410-N13;DEQ13-50-86
 City of New Baltimore - Canal Maintenance Dredging
 Lake St. Clair, New Baltimore, MI
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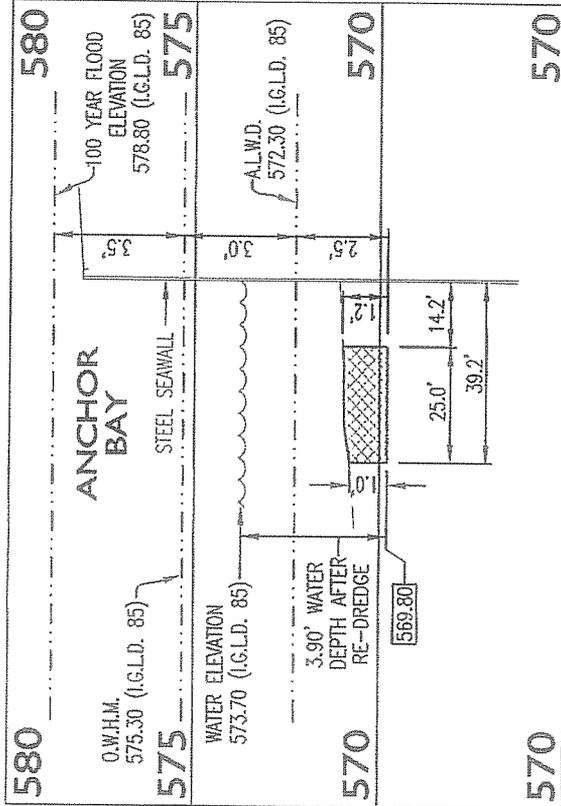
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APPLICANT: CITY OF NEW BALTIMORE
 PROJECT: PROPOSED RE-DREDGING
 WATER WAY: ANCHOR BAY, CRAPAUD CREEK & CANAL
 CITY/TWP.: CITY OF NEW BALTIMORE
 COUNTY: MACOMB
 SHEET NO.: 10
 DATE: 5-21-13

PROPOSED EXCAVATION
= AREA BELOW O.H.W.M.
2,730 CYD.



SECTION - G

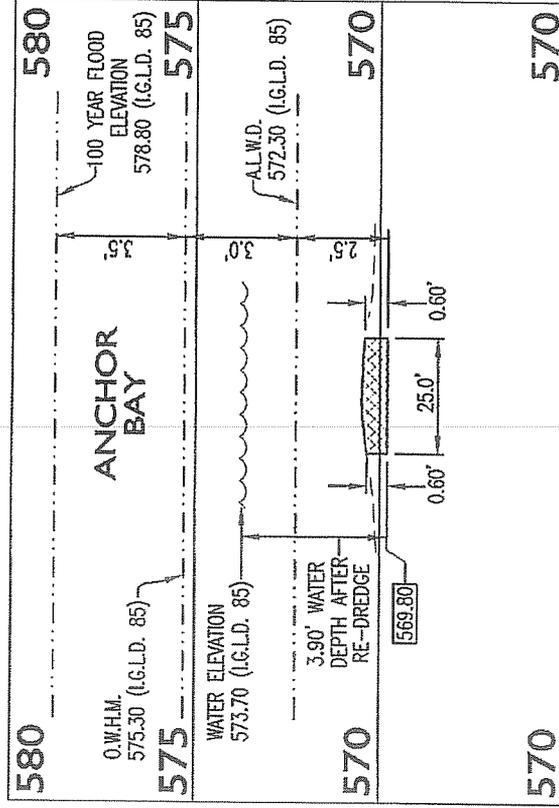
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FIELD OPERATIONS SECTION

RE-DREDGE
SECTIONS

1" = 40' H.
1" = 5' V.

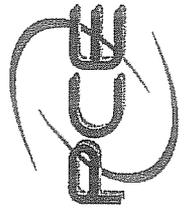


SECTION - H

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City of New Baltimore - Canal Maintenance Dredging
Lake St. Clair, New Baltimore, MI
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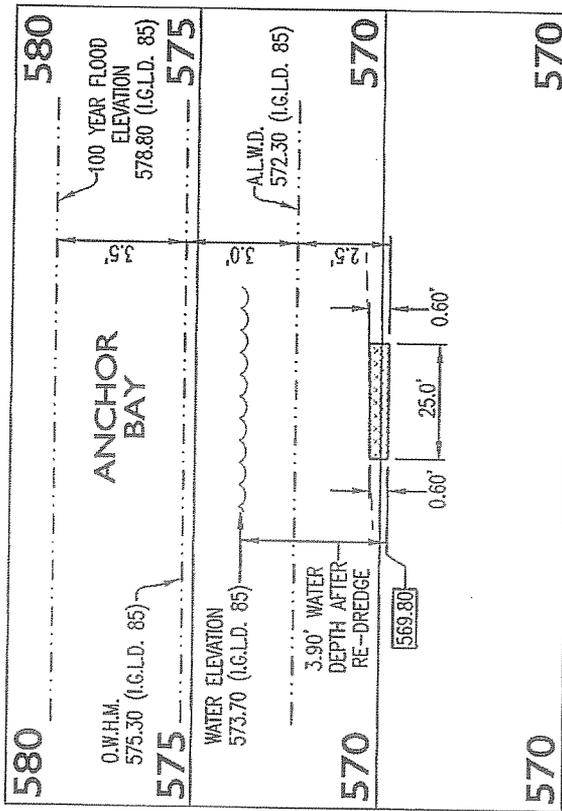
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FLOODPLAIN-GREAT LAKES SUBMERGED LAND

APPLICANT: CITY OF NEW BALTIMORE
PROJECT: PROPOSED RE-DREDGING
WATER WAY: ANCHOR BAY, CRAPAUD CREEK & CANAL
CITY/TWP.: CITY OF NEW BALTIMORE
COUNTY: MACOMB
SHEET NO.: 11
DATE: 5-21-13

PROPOSED EXCAVATION
= AREA BELOW O.H.W.M.
2,730 CYD.



SECTION - I

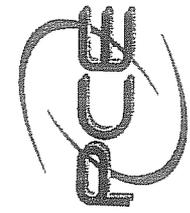
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City of New Baltimore - Canal Maintenance Dredging
Lake St. Clair, New Baltimore, MI
Page 13 of 14

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FIELD OPERATIONS SECTION

RE-DREDGE
SECTIONS
1" = 40' H.
1" = 5' V.

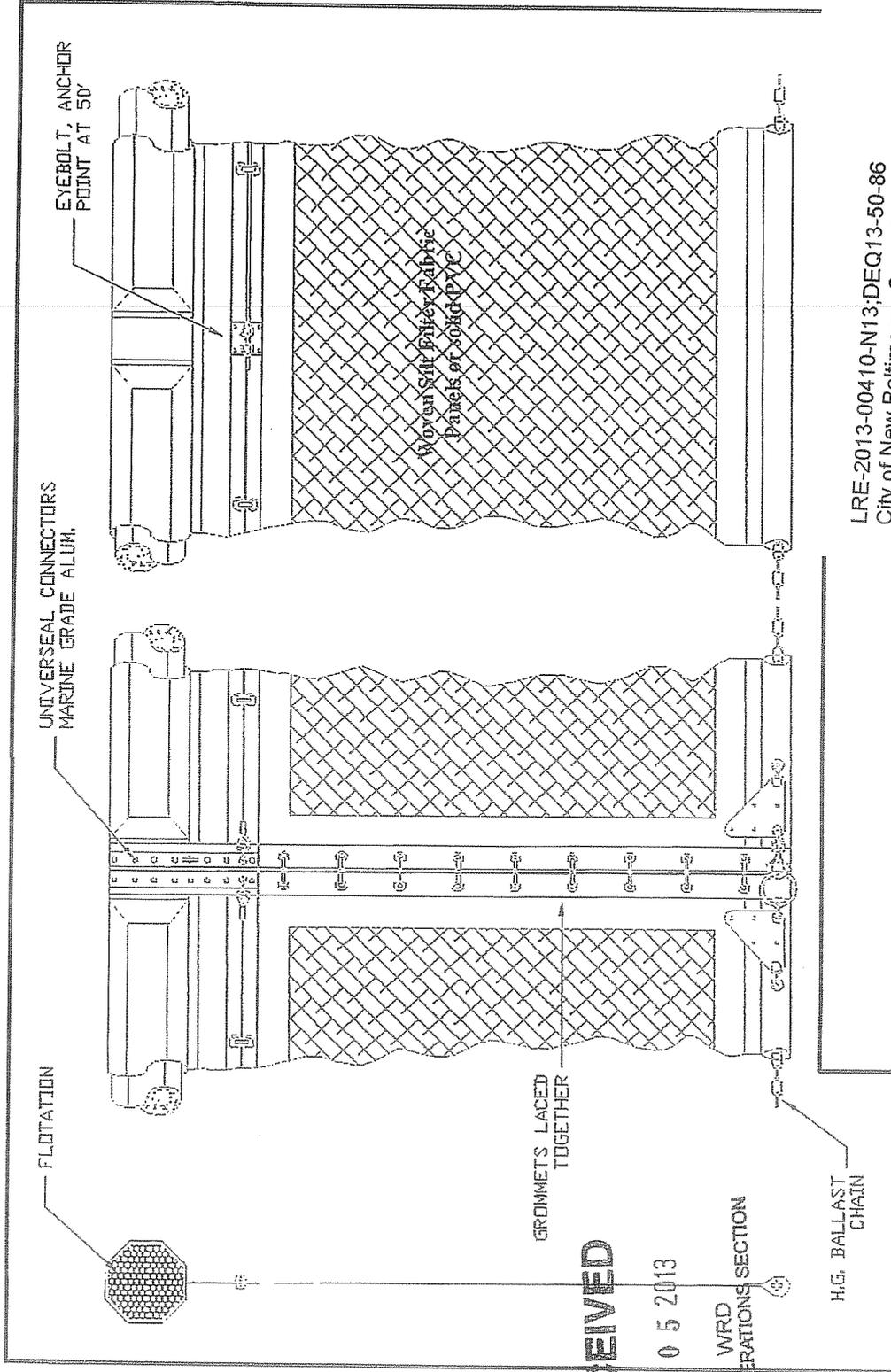


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PROJECT: PROPOSED RE-DREDGING
WATER WAY: ANCHOR BAY, CRAPAUD CREEK & CANAL
CITY/TWP: CITY OF NEW BALTIMORE
COUNTY: MACOMB
SHEET NO.: 12
DATE: 5-21-13



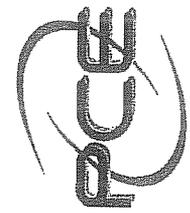
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FIELD OPERATIONS SECTION

H.G. BALLAST CHAIN

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 City of New Baltimore - Canal Maintenance Dredging
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 Page **14** of **14**



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APPLICANT: CITY OF NEW BALTIMORE
 PROJECT: PROPOSED RE-DREDGING
 WATER WAY: ANCHOR BAY, CRAPAUD CREEK & CANAL
 CITY/TWP.: CITY OF NEW BALTIMORE
 COUNTY: MACOMB
 SHEET NO: 13
 DATE: 5-21-13