



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
 WATER RESOURCES DIVISION
 PERMIT

RECEIVED
 JUL - 9 2013
 CITY OF NEW BALTIMORE

ISSUED TO:

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

Permit No.	13-50-0086-P
Issued	July 2, 2013
Extended	
Revised	
Expires	July 2, 2018

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:

- Part 301, Inland Lakes and Streams
- Part 315, Dam Safety
- Part 325, Great Lakes Submerged Lands
- Part 323, Shorelands Protection and Management
- Part 303, Wetlands Protection
- Part 353, Sand Dunes Protection and Management
- 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:

Permitted Activity:

Dredge a total of 2,730 cubic yards in 3 locations. All dredge spoils are to be placed in an upland site location and ensure that dredge spoils will not be introduced into any water body, wetland, or floodplain.

All work shall be done according to the attached plans and conditions.

Water Course Affected: Canal, Crapad Creek, Anchor Bay

Property Location: Macomb County, City of New Baltimore, Section
 Subdivision, Lot Town/Range 3N, 14E Property Tax No.

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 representatives of the permittee undertaken in connection with this 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:

Until December 31, 2013 dredging is authorized by this permit without restrictions provided the area of the dredge is entirely isolated from the river with siltation barriers. Effective January 1, 2014 dredging is not allowed from April 1 through September 30 for any year after that this permit is still valid due to critical spawning, migration, and/or recreational use periods. If the entire area cannot be contained with a siltation barrier then no dredging is permitted during April 1 through September 30 for any year this permit is valid.

This permit is being issued for the maximum time allowed under Part 325, Great Lakes, of the Natural Resources and Environmental Protection Act, PA 451 of 1994, as amended, including all permit extensions allowed under the administrative rules R 281.813 and R 281.923. Therefore, 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.

Prior to commencement of any dredging authorized by this permit, the entire dredge area shall be enclosed with a filter fabric sediment curtain to prevent off-site siltation. The sediment curtain shall be installed to extend from the bed of the waterbody to a point above the existing water's surface. The sediment curtain shall be maintained for the duration of the project and shall be left in place after completion of dredging until all disturbed sediments have settled.

Per the email dated (Monday, April 22nd, 2013 from Duane Roskiskey of DEQ-RMD) the dredge material has been tested and is uncontaminated. Unlimited upland disposal is authorized by this permit.

All dredge/excavated material shall be immediately placed into trucks or barges and taken to an approved upland disposal site. Placement of dredge/excavated material into open water, onto ice, or onto exposed bottomland is not authorized by this permit.

Authority granted by this permit does not waive any jurisdiction of the United States Army Corps of Engineers (USACE) or the need for a federal permit, if required. For information on USACE jurisdiction, please contact the USACE at 313-226-2432.

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 (CEA). To locate the Soil Erosion Program Administrator for your county visit www.deq.state.mi.us/sesca/.

Prior to initiating construction authorized by this permit, the permittee is required to provide a copy of the permit to the contractor(s) for his/her review.

The property owner, contractor(s), and any agent involved in obtaining or exercising this permit, are held responsible to ensure the project is constructed in accordance with all drawings and specifications contained in this permit. The contractor is required to provide a copy of the permit to any and all subcontractors doing work authorized by this permit.

The permittee is cautioned that excessive dredging resulting in the impairment of the structural integrity of seawalls on neighboring riparian properties is subject to civil damage litigation.

Unless specifically stated under the "Permitted Activity" of 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 by this permit and shall not be constructed unless authorized by separate permit or permit revision granted in accordance with the applicable law.

All raw earth within 100 feet of a lake, stream, or wetland that is not brought to final stabilization by the end of the active growing season shall be temporarily stabilized with mulch blankets in accordance with the following dates: September 20th for the Upper Peninsula, October 1st for the Lower Peninsula north of US-10, and October 10th for the Lower Peninsula south of US-10.

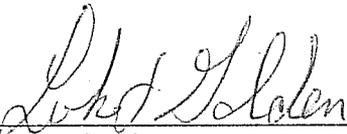
No fill, excess soil, or other material shall be placed in any wetland or surface water area not specifically authorized by this permit, its plans, and specifications.

The spoils shall not be mixed with other waste or materials that are not inert as defined by Part 115, Solid Waste Management, of the NREPA.

In issuing this permit, the MDEQ has relied on the information and data, which the permittee has provided in connection with the permit application. If, subsequent to the issuance of this permit, such information and data prove to be false, incomplete, or inaccurate; or additional information demonstrates that the spoils are causing environmental contamination; or new State or Federal regulations are promulgated which cause this disposal to be inappropriate, the MDEQ may modify, revoke, or suspend the permit, in whole or in part, in accordance with the new information.

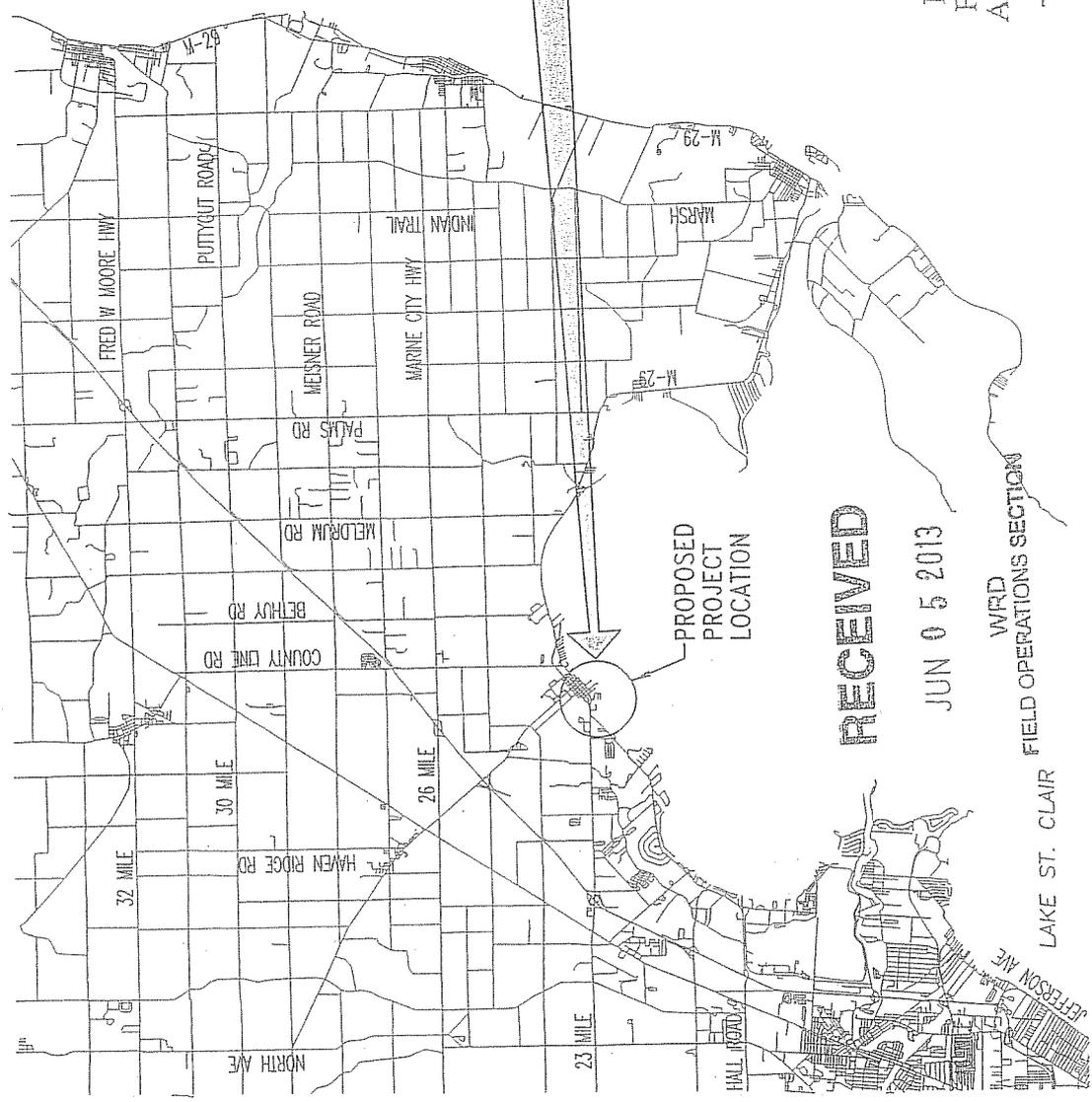
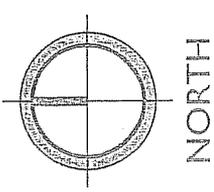
The authority to conduct the activity as authorized by this permit is granted solely under provisions of the governing act as identified above. This permit does not convey, provide, or otherwise imply approval of any other governing act, ordinance, or regulation, nor does it waive the permittee's obligation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

Should you require further information please contact me at 586-753-3761, or by e-mail at goldenl3@michigan.gov ; or in writing at Michigan Department of Environmental Quality, Water Resources Division, Water Resource Unit, SE Michigan District Office, 27700 Donald Court, Warren, MI 48092-2793

By: 

Luke Golden
Environmental Quality Analyst

cc: City of New Baltimore Clerk
Macomb County Drain Commissioner
Macomb CEA
USACE



PROPOSED PROJECT LOCATION

PROPOSED PROJECT LOCATION

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

DEQ-WRD-WRU
 FILE# 1330000
 APPROVED PLANS
 1 OF 4
 SEMI DIST.

RECEIVED

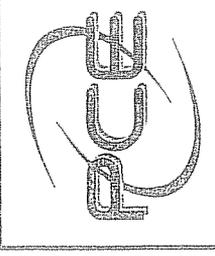
JUN 05 2013

WRD FIELD OPERATIONS SECTION

LAKE ST. CLAIR

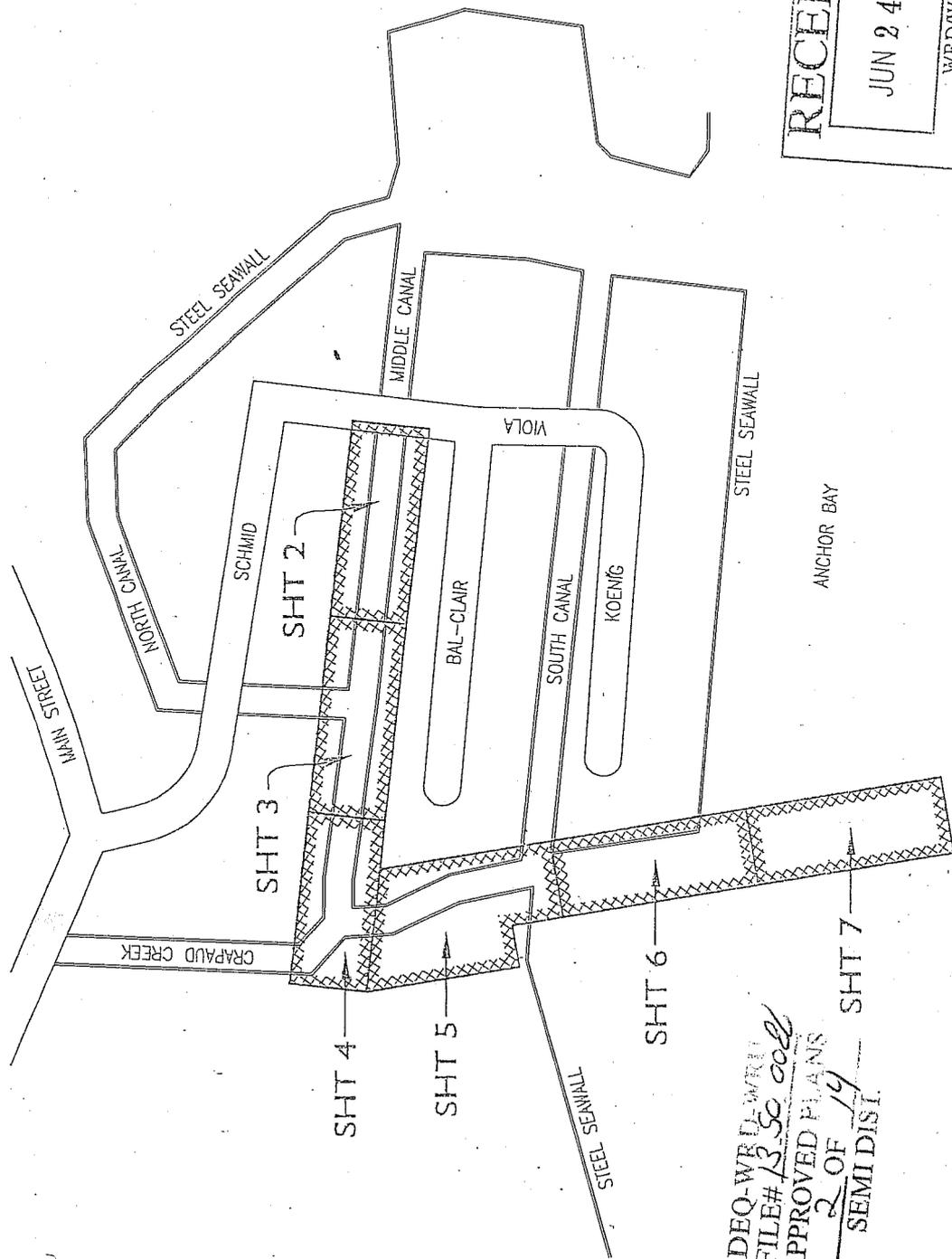
FLOODPLAIN-GREAT LAKES SUBMERGED LAND

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.: 1
 DATE: 5-21-13



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

LOCATION MAP
 NOT TO SCALE

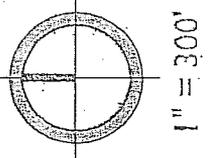


RECEIVED

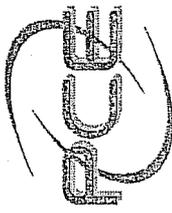
JUN 24 2013

WRD/WRU
SEMI-DIST.

DEQ-WR-D-WRIT
FILE# 1350008
APPROVED PLANS
2 OF 19
SEMI-DIST.



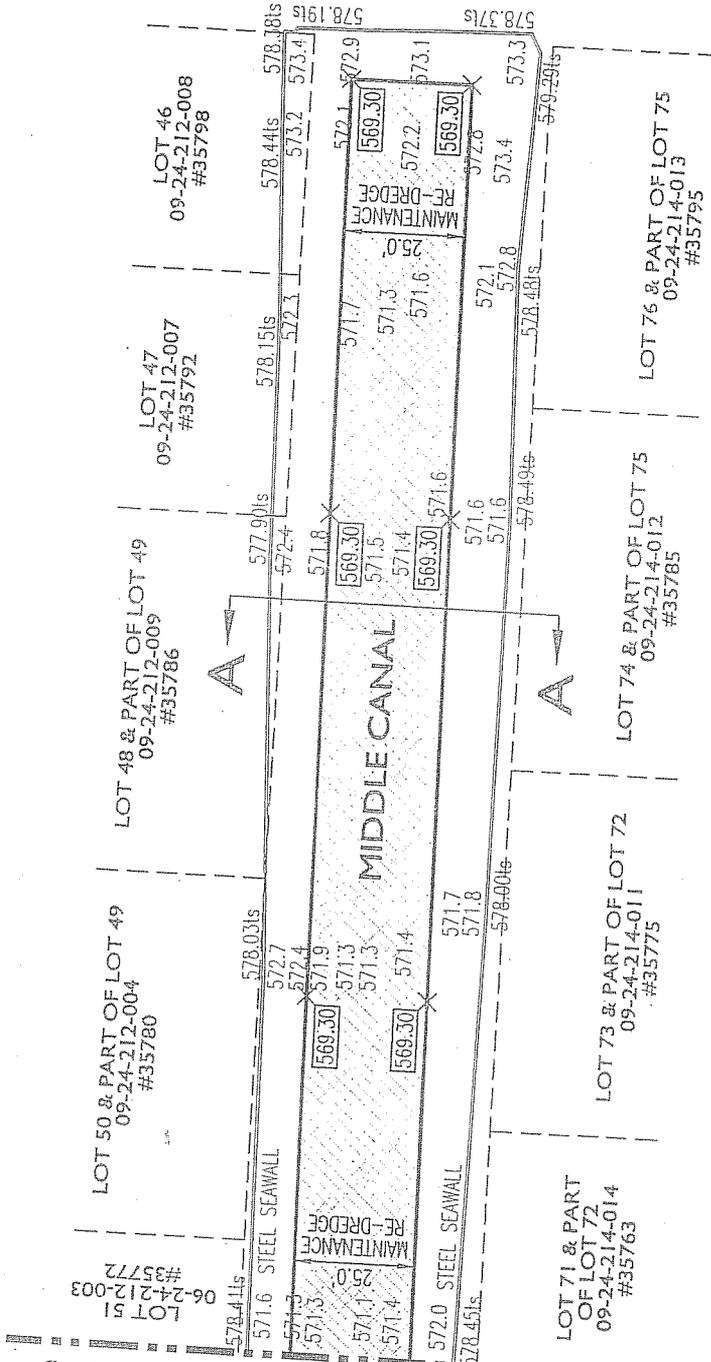
**RE-DREDGE
INDEX MAP**



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

FLOODPLAIN-GREAT LAKES SUBMERGED LAND
APPLICANT: CITY OF NEW BALTIMORE
PROJECT: PROPOSED REDREDGING
WATER WAY: ANCHOR BAY, CRAPAUD CREEK & CANAL
CITY/TWP.: CITY OF NEW BALTIMORE
COUNTY: MACOMB
SHEET NO.: 1A
DATE: 5.21.13

MATCH LINE SEE SHEET 3



VIOLA

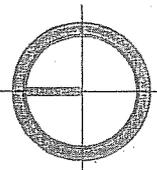
MATCH LINE SEE SHEET X

RECEIVED

JUN 05 2013

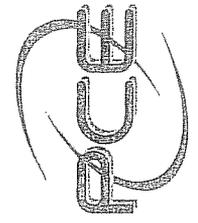
WRD
FIELD OPERATIONS SECTION

DEQ-WRD-WRU
FILE# 1350086
APPROVED PLANS
3 OF 14
SEMI DIST.



1" = 40'

CANAL RE-DREDGE PLAN

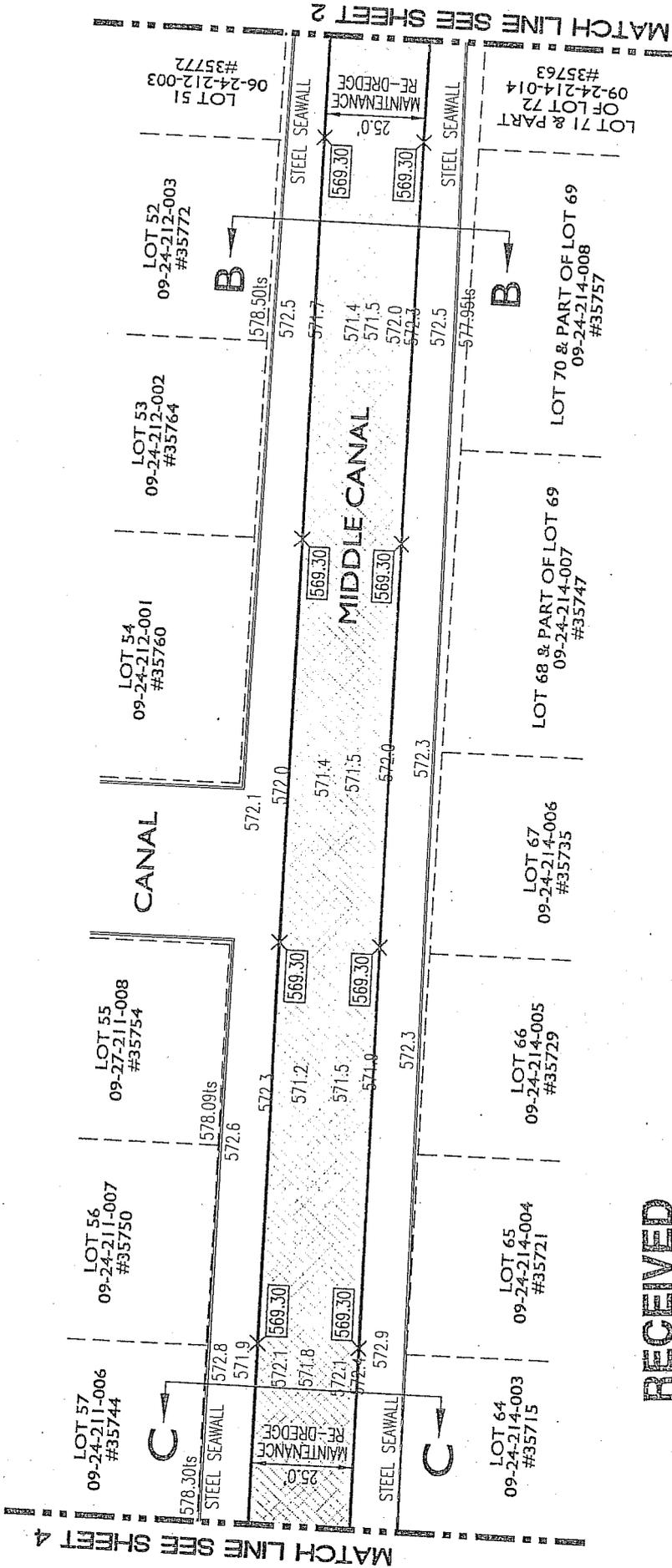


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FLOODPLAIN-GREAT LAKES SUBMERGED LAND

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



DEQ-WR-D-WRU
 FILE# 15-50,000
 APPROVED PLANS
 4 OF 14
 SEMI DIST.

RECEIVED

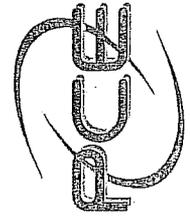
JUN 05 2013

WRD
 FIELD OPERATIONS SECTION



1" = 40'

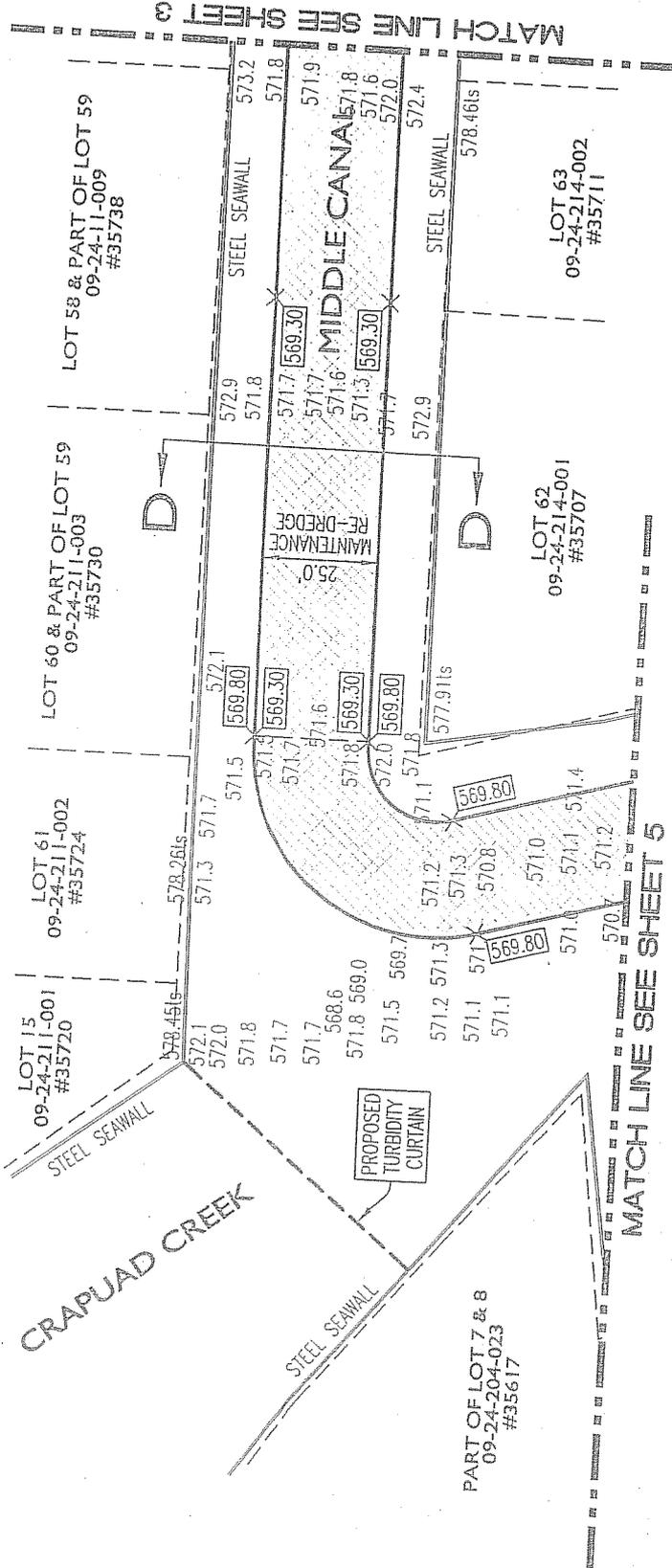
CANAL
 RE-DREDGE
 PLAN



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FLOODPLAIN-GREAT LAKES SUBMERGED LAND

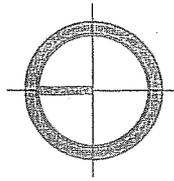
APPLICANT: CITY OF NEW BALTIMORE
 PROJECT: PROPOSED RE-DREDGING
 WATER WAY: ANCHOR BAY, CRAPALID CREEK & CANAL
 CITY/TWP: CITY OF NEW BALTIMORE
 COUNTY: MACOMB
 SHEET NO.: 3
 DATE: 5-21-13



RECEIVED

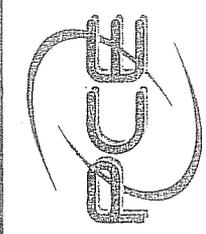
JUN 05 2013

WRD
FIELD OPERATIONS SECTION



1" = 40'

DEQ-WRD-WRU
FILE#
APPROVED PLANS
OF 19
SEMI-DIST.



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FLOODPLAIN-GREAT LAKES SUBMERGED LAND

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

MATCH LINE SEE SHEET 4

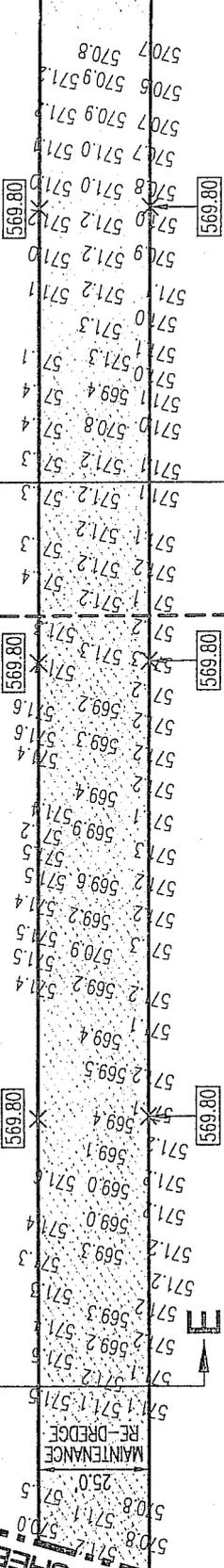
LOT 123
09-24-220-020
#35702

PROPOSED
TURBIDITY
CURTAIN

LOT 90
09-24-216-001
#35708

LOT 62
09-24-214-001
#35707

STEEL SEAWALL



CRAPUAD CREEK

STEEL SEAWALL

ANCHOR BAY

PROPOSED
TURBIDITY
CURTAIN

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

DEC-WRD-WRU
FILE# 3-5c-020
APPROVED PLANS
OF 14
SEMI-DIST.

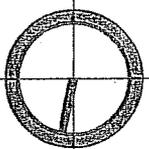
RECEIVED

JUN 05 2013

WRD
FIELD OPERATIONS SECTION

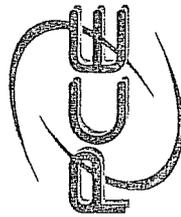
MATCH LINE SEE SHEET 6

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



1" = 40'

CANAL
RE-DREDGE
PLAN



Project Control Engineers, Inc.
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FLOODPLAIN-GREAT LAKES SUBMERGED LAND

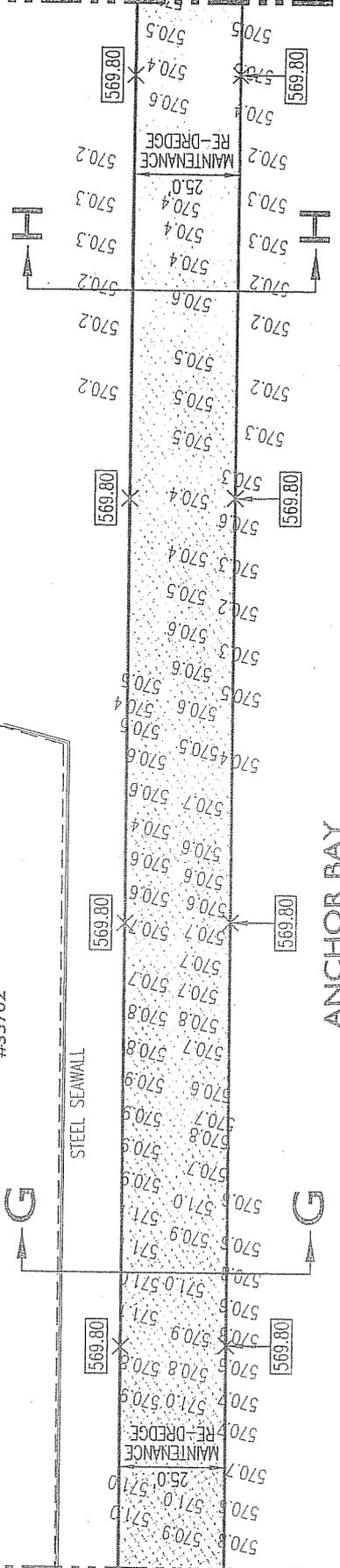
APPLICANT: CITY OF NEW BALTIMORE
PROJECT: PROPOSED RE-DREDGING
WATER WAY: ANCHOR BAY, CRAPALUD CREEK & CANAL
CITY/TWP.: CITY OF NEW BALTIMORE
COUNTY: MACOMB
SHEET NO.: 5
DATE: 5-21-13

MATCH LINE SEE SHEET 7

LOT 123
09-24-220-020
#35702

STEEL SEAWALL

ANCHOR BAY



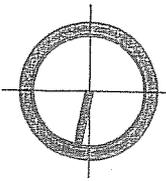
MATCH LINE SEE SHEET 5

DEC WRD-WRU
FILE# 0508080
APPROVED PLANS
2 OF 14
SEMI DIST.

RECEIVED

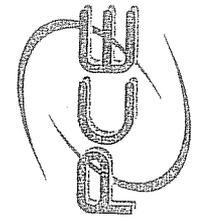
JUN 05 2013

WRD
FIELD OPERATIONS SECTION



1" = 40'

CANAL
RE-DREDGE
PLAN



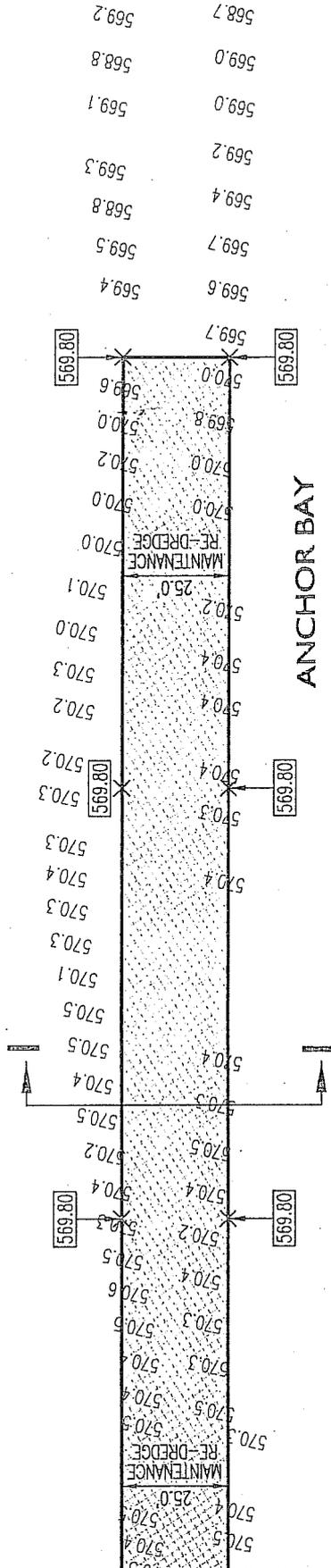
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FLOODPLAIN-GREAT LAKES SUBMERGED LAND

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WATER WAY: ANCHOR BAY, CRAPALID CREEK & CANAL
CITY/TWP.: CITY OF NEW BALTIMORE
COUNTY: MACOMB
SHEET NO.: 6
DATE: 5-21-13

MATCH LINE SEE SHEET 6



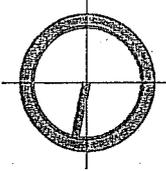
ANCHOR BAY

DEQ-WRD-WRU
 FILE# 13500000
 APPROVED PLANS
 8 OF 14
 SEMI-DIST.

RECEIVED

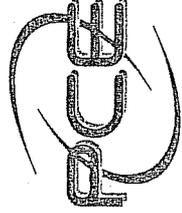
JUN 05 2013

WRD
FIELD OPERATIONS SECTION



1" = 40'

CANAL
 RE-DREDGE
 PLAN



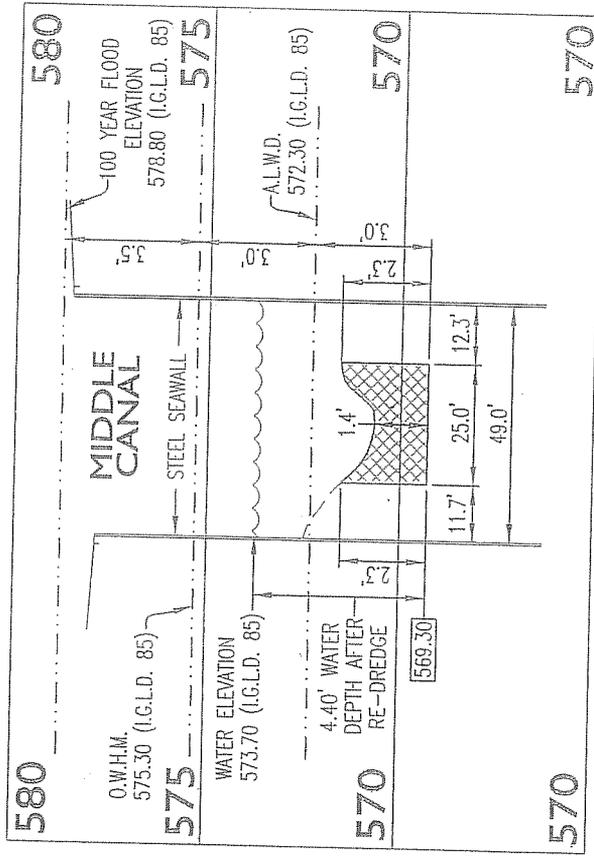
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 CITY/TWP.: CITY OF NEW BALTIMORE
 COUNTY: MACOMB
 SHEET NO.: 7
 DATE: 5-21-13

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



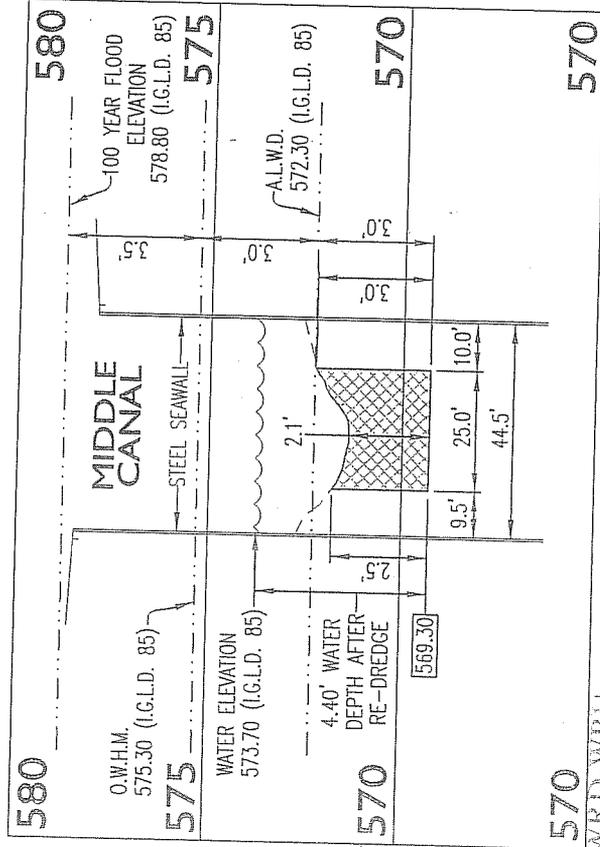
RECEIVED SECTION - A

JUN 05 2013

WRD
FIELD OPERATIONS SECTION

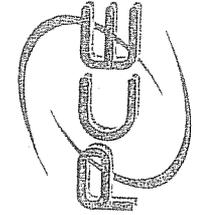
**RE-DREDGE
SECTIONS**

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



SECTION - B

DEQ-WRD-WR1
FILE# / s. 5008
APPROVED PLANS
9 OF 19
SEMIDIST.



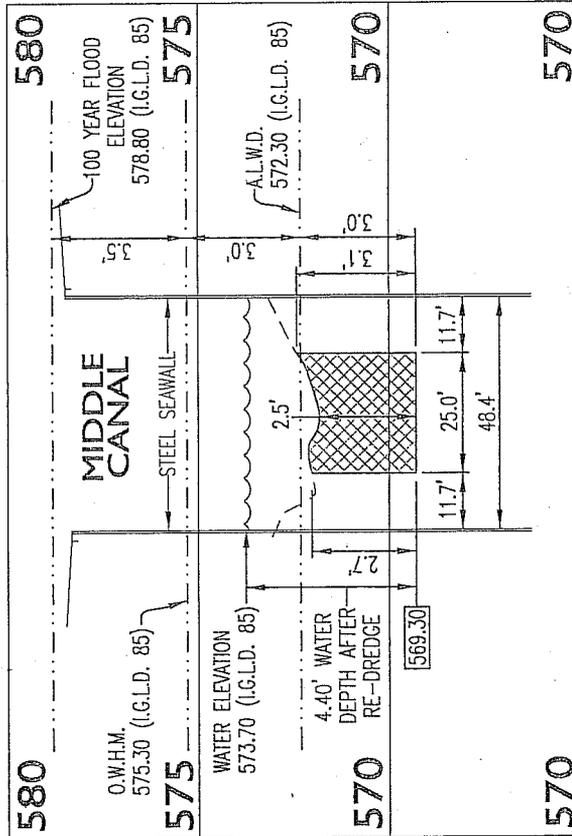
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Engineers Surveyors Consultants

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Fax 810.794.3331
www.pce-eng.com

FLOODPLAIN-GREAT LAKES SUBMERGED LAND

APPLICANT: CITY OF NEW BALTIMORE
PROJECT: PROPOSED RE-DREDGING
WATER WAY: ANCHOR BAY, CRAPALID 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

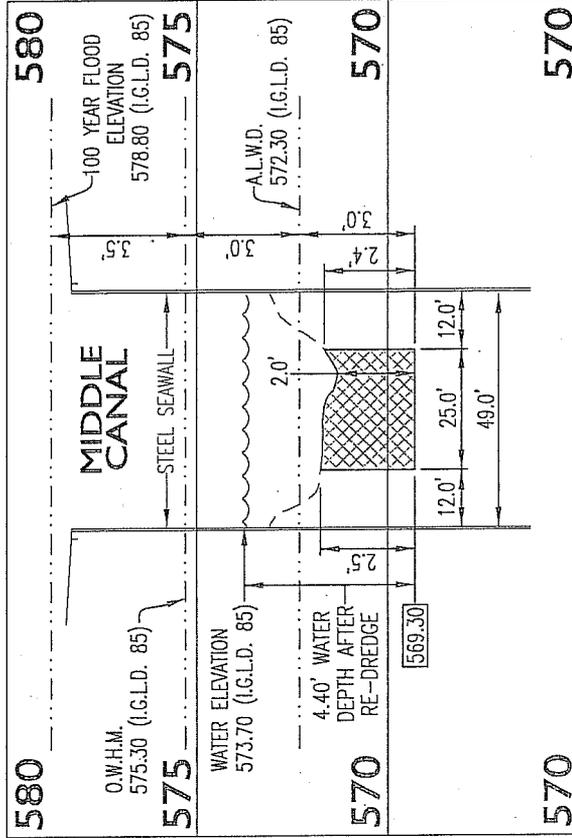
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JUN 05 2013

WRD
FIELD OPERATIONS SECTION

RE-DREDGE
SECTIONS

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

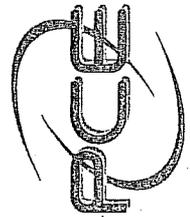


SECTION - D

DEQ-WRD-WRU
FILE# *13 Se 0088*
APPROVED PLANS
16 OF *14*
SEMI DIST.

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Engineers Surveyors Consultants

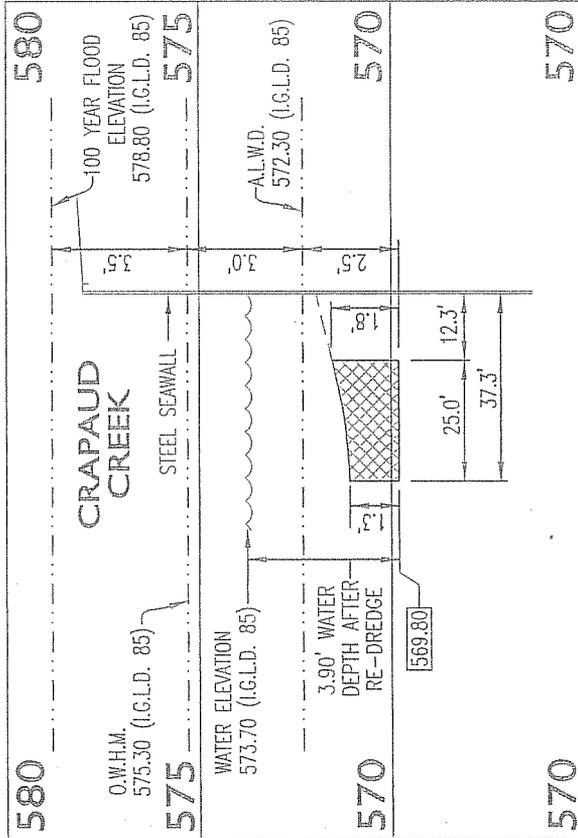
P.O. Box 307
2420 Pte. Tremble Road
Algonac, MI. 48001
Phone 810.794.1931
Fax 810.794.3331
www.pce-eng.com



FLOODPLAIN-GREAT LAKES SUBMERGED LAND

APPLICANT: CITY OF NEW BALTIMORE
PROJECT: PROPOSED RE-DREDGING
WATER WAY: ANCHOR BAY, CRAPALID 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

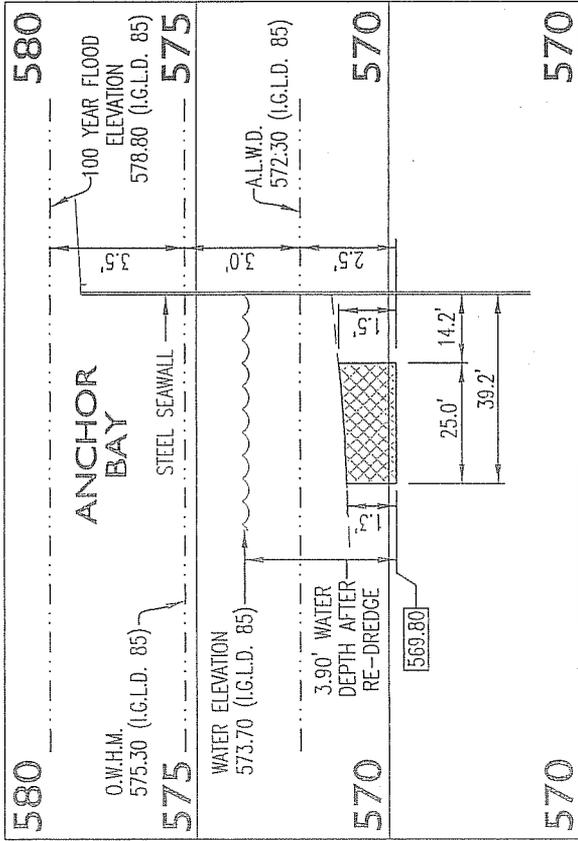
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WRD
FIELD OPERATIONS SECTION

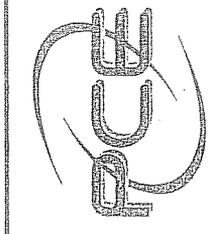
RE-DREDGE
SECTIONS

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



SECTION - F

DEQ-WRD-WRU
FILE# 1358008
APPROVED PLANS
11 OF 14
SEMI DIS.



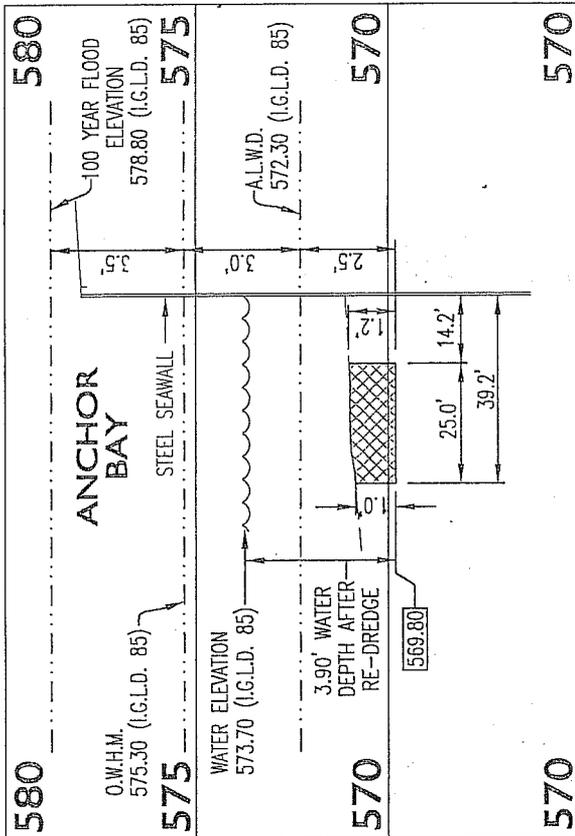
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Engineers Surveyors Consultants

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FLOODPLAIN-GREAT LAKES SUBMERGED LAND

APPLICANT: CITY OF NEW BALTIMORE
PROJECT: PROPOSED RE-DREDGING
WATERWAY: 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

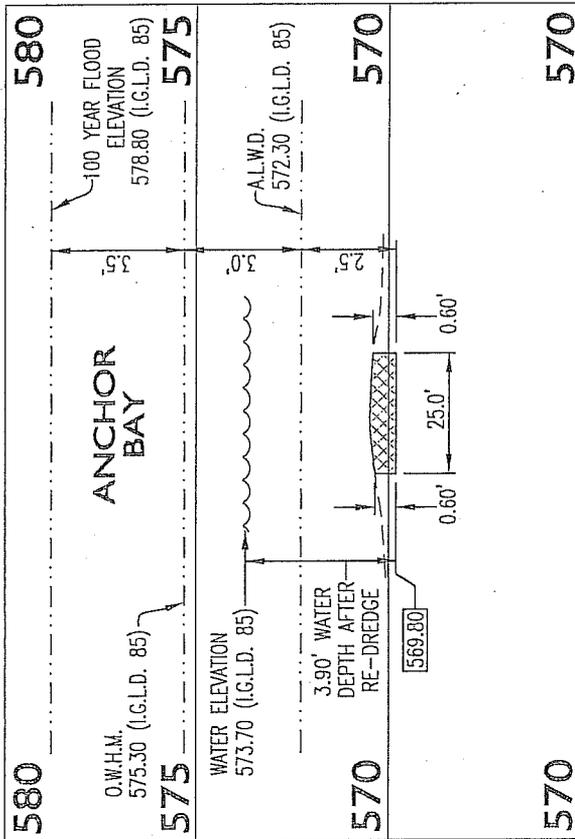
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WRD
FIELD OPERATIONS SECTION

**RE-DREDGE
SECTIONS**

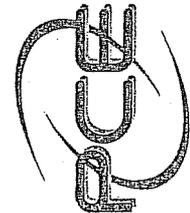
1" = 40' H.
1" = 5' V.



SECTION - H

DEQ-WRD-WRU
FILE# 1350008
APPROVED PLANS
12 OF 14
SEMI DIST.

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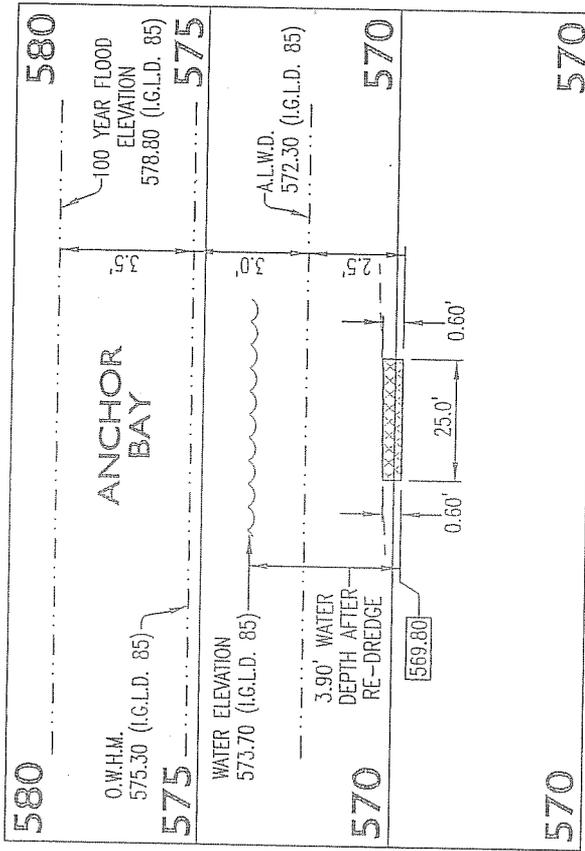


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FLOODPLAIN-GREAT LAKES SUBMERGED LAND

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.



DEQ-WRD-WRU
FILE# *13-5e-008*
APPROVED PLANS
13 OF 19
SEMI-DIST.

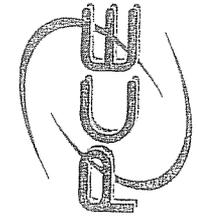
SECTION - I

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FIELD OPERATIONS SECTION

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

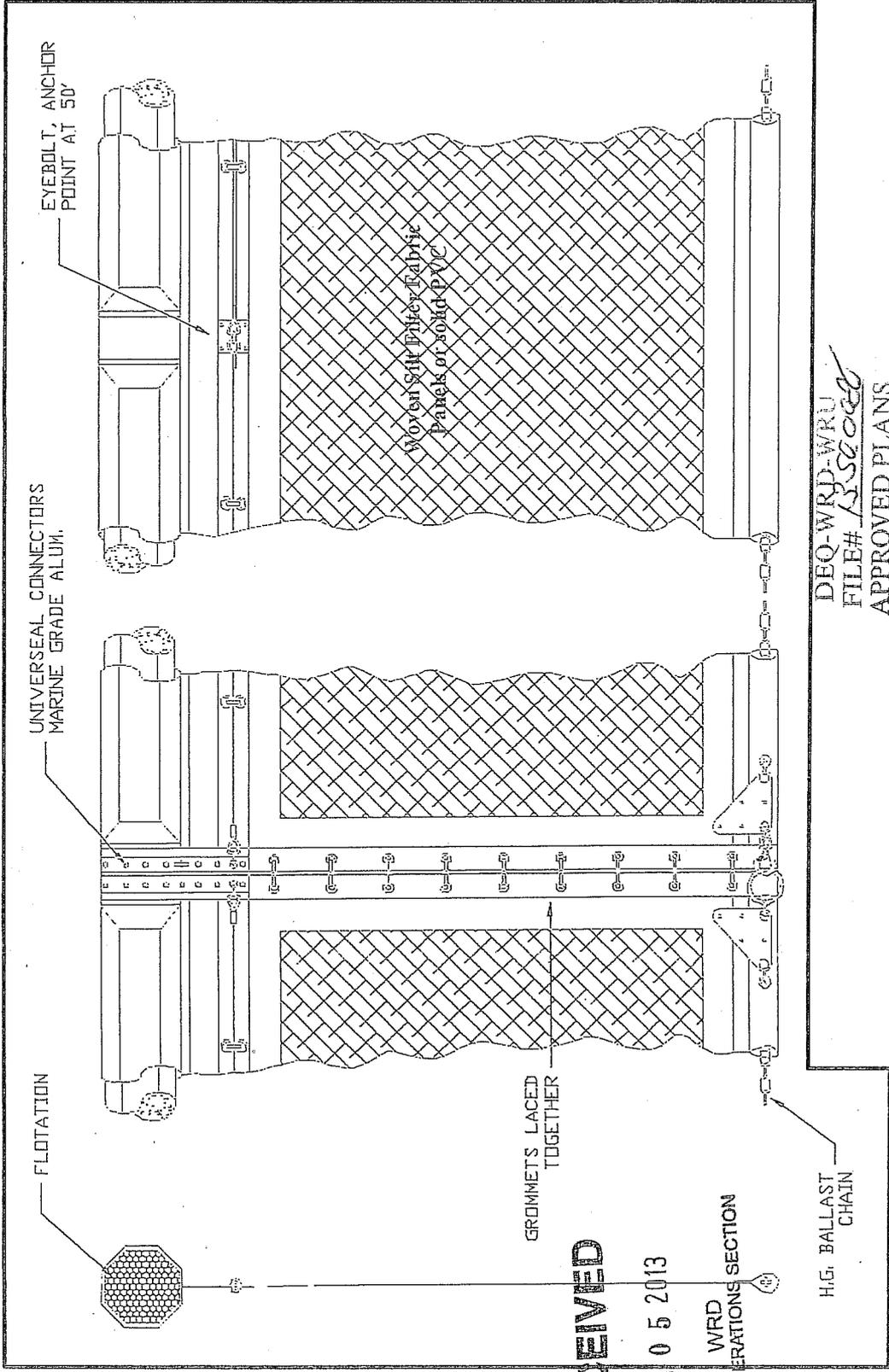


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PROJECT: PROPOSED RE-DREDGING
WATER WAY: ANCHOR BAY, CRAPALID CREEK & CANAL
CITY/TWP.: CITY OF NEW BALTIMORE
COUNTY: MACOMB
SHEET NO.: 12
DATE: 5-21-13



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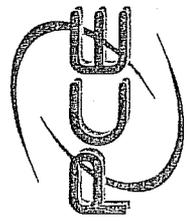
WRD
FIELD OPERATIONS SECTION

DEQ-WRD-WRU
FILE# 135000
APPROVED PLANS
14 OF 14
GEMINOIST

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

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