



U.S. Army Corps
of Engineers
Buffalo District
CELRB-TD-R

Public Notice

Applicant: Richard
Hausrod and Brooke
Hohn

Published: March 18, 2015
Expires: April 17, 2015

Application No: 2014-01321
Section: OH

All written comments should reference the above Application No. and be addressed to:
US Army Corps of Engineers, Buffalo District
Regulatory Branch (Attn: Joseph W. Krawczyk)
1776 Niagara Street
Buffalo, NY 14207

THE PURPOSE OF THIS PUBLIC NOTICE IS TO SOLICIT COMMENTS FROM THE PUBLIC REGARDING THE WORK DESCRIBED BELOW. NO DECISION HAS BEEN MADE AS TO WHETHER OR NOT A PERMIT WILL BE ISSUED AT THIS TIME.

Application for Permit under Authority of
Section 10 of the Rivers and Harbors Act of 1899 and
Section 404 of the Clean Water Act (33 U.S.C. 1344).

APPLICANT: Richard Hausrod and Brooke Hohn, 498 Bay Hill Drive, Avon Lake, Lorain County, Ohio 44012

WATERWAY & LOCATION: The project site is located in Lake Erie, at 33850 Lake Road, City of Avon Lake, Lorain County, Ohio.

LATITUDE & LONGITUDE: Latitude North: 41.502
Longitude West: 82.066

EXISTING CONDITIONS: The project parcel spans 280+ feet of Lake Erie frontage. An approximately 16.5 foot high shall bluff borders the northern edge of the property, along the Lake Erie shoreline. A "nick point" exists at the eastern edge of the lake frontage, where a portion of the shale bluff was previously (pre-1956) removed, and concrete stairs were installed, to provide access to Lake Erie. The proposed work will extend from the existing "nick point."

PROPOSED WORK: The Applicant proposes the following work, waterward of the Lake Erie Ordinary High Water (OHW) elevation of 573.4' IGLD 1985 (see attached drawings 1 through 5 of 5):

- a. The construction of an approximately 70 linear foot armor stone revetment:
 - The base of the revetment would be comprised of 12 – 24" clean concrete rubble material. A total of 216 cubic yards of concrete rubble would be used as the base of the revetment, of which 75 cubic yards are proposed for placement below OHW.
 - The toe of the revetment would be supported with 3 to 5 ton armor stone at a minimum elevation of 566.9' IGLD 1985.
 - The revetment would be constructed with 2-4 ton armor stone at 1.5' horizontal to 1' vertical slope, to a crest elevation of 582.0 feet IGLD 1985. A total of 329.5 cubic yards of armor stone would be used to construct the revetment, of which 149.6 cubic yards are proposed for placement below OHW.
- b. The removal of approximately 90 cubic yards of existing sandstone boulders located below OHW using an excavator on a barge. The existing boulders are located approximately 50 feet west of the proposed structure. The boulders would be relocated to the proposed armor stone revetment and any smaller size boulders would be used in the concrete rubble fill area beneath the revetment.
- c. The construction of an "L-shaped" steel crib pier, measuring 120.5' in total length, curving to the southwest:
 - The steel crib pier would be comprised of a 10' wide by 47' long segment oriented roughly parallel to the shoreline, and a 10' wide by 33.5' long segment oriented roughly perpendicular to shoreline.
 - The cribs would be anchored a minimum of 1 foot into the bedrock; would be framed with 6" x 6" by 5/16" thick steel tubes and C8x11.5 cribbing; and would be filled with ODOT Type B stone (12" – 24", average = 18") and capped with a 12" thick concrete slab.
 - A total of 211.9 cubic yards of ODOT Type B stone would be used for the proposed cribs, of which 165.2 cubic yards are proposed for placement below OHW.
- d. The proposed steel crib pier would be connected to shore by the installation of a 10' wide by 40' long steel walkway (framed by W8 x 35 steel beams spaced at 21-inches on center covered with 1" thick steel grating).

- e. The placement of 140 cubic yards of clean sand pre-fill material, below OHW, west of the proposed pier structure.

PROJECT PURPOSE:

Basic: Pier structure

Overall: Construct a crib pier structure to provide safe access to the waters of Lake Erie and for launching, berthing, and transient watercraft dockage. Install a stone revetment to prevent wave-based erosion in the area of the proposed crib pier.

Water Dependency Determination: The proposed project will not impact a Special Aquatic Site.

AVOIDANCE AND MINIMIZATION INFORMATION:

- The steel crib was designed with the minimum cross-section to be stable in terms of sliding and overturning considering the design water depths, wave forces, and ice forces expected along the shore of the project site
- The overall footprint of the crib pier was minimized based on its function for launching and berthing watercraft and for transient dockage of recreational boats.
- The 1.5:1 horizontal to 1 vertical slope of the armor stone revetment is the minimum customarily allowable considering structural stability.
- The crest elevation of the revetment was set just below the calculated wave run-up elevation to minimize the footprint of the structure.
- The revetment was designed to only extend along a minimum amount of shore, to provide protection from wave based erosion in the area of the proposed access structures (rather than extending along the entire 280 + feet of shore at the project site).

PROPOSED MITIGATION: In order to offset potential “downstream” impacts of the proposed pier structure in the littoral system, the Applicant proposes the creation of sand pre-fill area on the west side of the proposed pier structure. The sand pre-fill area will be comprised of approximately 140 cubic yards of material and will be located between near the 568’ depth contour (see attached sheet 3 of 5).

Location and details of the above described work are shown on the attached maps and drawings.

Comments or questions pertaining to the work described in this notice should reference the Application Number **2014-01321** and be directed to the attention of Joseph W. Krawczyk, who can be contacted at the above address, by calling (716) 879-4186, or by e-mail at: joseph.w.krawczyk@usace.army.mil. A lack of response will be interpreted as meaning that there is no objection to the work as proposed.

The applicant has certified that the proposed activity complies with Ohio's approved Coastal Zone Management Program and will be conducted in a manner consistent with that program.

Any comments on the consistency of the proposed activity with Ohio's Coastal Zone Management Program should be forwarded to:

Mr. John Kessler
Ohio Department of Natural Resources
Office of Real Estate
2045 Morse Rd.
Columbus, OH 43229-6605
phone: 614-265-6621
email: john.kessler@dnr.state.oh.us

The following authorization is required for this project:

Water Quality Certification (or waiver thereof) from the Ohio Environmental Protection Agency

Based on preliminary findings, there do not appear to be any properties listed in, or eligible for listing in, the National Register of Historic Places within the permit area as shown on attached sheets 2 and 3 of 5. This notice constitutes initiation of consultation with the Ohio Historic Preservation Office (SHPO) per Section 106 of the National Historic Preservation Act. All currently available historic resource information pertaining to this proposed project if any has been provided to the SHPO. Additional information concerning historic properties should be submitted to the Corps before the end of the comment period of this notice. The Corps will forward that information to the SHPO for their review.

Pursuant to Section 7 of the Endangered Species Act (16 U.S.C. 1531), the Corps of Engineers is consulting, under separate cover, with the USFWS to evaluate any potential impacts to the: endangered Indiana Bat (*Myotis sodalis*); potentially endangered Northern Long-eared Bat (*Myotis septentrionalis*); endangered Kirtland's Warbler (*Setophaga kirtlandii*); endangered Piping Plover (*Charadrius melodus*); and the threatened Rufa Red Knot (*Calidris canutus rufa*), and to ensure that the proposed activity is not likely to jeopardize their continued existence or result in the destruction or adverse modification of critical habitat.

This notice is promulgated in accordance with Title 33, Code of Federal Regulations, parts 320-330. Any interested party desiring to comment on the work described herein may do so by submitting their comments, in writing, so that they are received no later than 4:30 pm on the expiration date of this notice.

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. All written comments will be made a part of the administrative record which is available to the public under the Freedom of Information Act. The Administrative Record, or portions thereof may also be posted on a Corps of Engineers internet web site. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

Any individual may request a public hearing by submitting their written request, stating the specific reasons for holding a hearing, in the same manner and time period as other comments.

Public hearings for the purposes of the Corps permit program will be held when the District Commander determines he can obtain additional information, not available in written comments, that will aid him in the decision making process for this application. A Corps hearing is not a source of information for the general public, nor a forum for the resolution of issues or conflicting points of view (witnesses are not sworn and cross examination is prohibited). Hearings will not be held to obtain information on issues unrelated to the work requiring a permit, such as property ownership, neighbor disputes, or the behavior or actions of the public or applicant on upland property not regulated by the Department of the Army. Information obtained from a public hearing is given no greater weight than that obtained from written comments. Therefore, you should not fail to make timely written comments because a hearing might be held.

The decision to approve or deny this permit request will be based on an evaluation of the probable impact, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among these are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

SIGNED

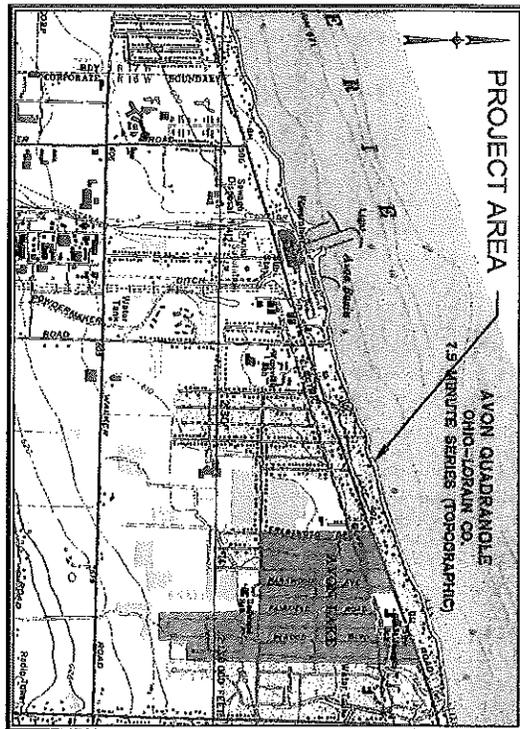
Diane C. Kozlowski
Chief, Regulatory Branch

NOTICE TO POSTMASTER: It is requested that this notice be posted continuously and conspicuously for 30 days from the date of issuance.



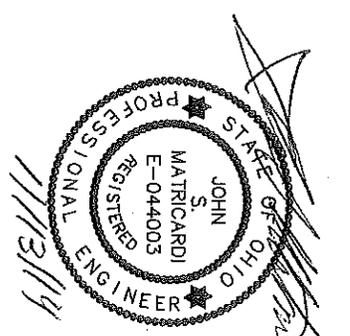
SHORELINE IMPROVEMENTS AT 33850 LAKE ROAD AVON LAKE, OHIO

Hausrod, Richard
D/A Processing No. 2014-01321
Lorain County, Ohio
Quad: OH-Avon OE N
Sheet 1 of 5



- GENERAL NOTES:**
1. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND ELEVATIONS AS NOTED ON THE DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY OF ANY INCONSISTENCIES BETWEEN THE DRAWINGS AND THE FIELD MEASUREMENTS.
 2. AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ANY EXISTING AND UNDERGROUND UTILITIES NOT INDICATED ON THE PRINTS. IF UNCHARTED UTILITIES ARE ENCOUNTERED THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY.

DRAWING TITLE	SHEET No.
TITLE SHEET	1
EXISTING SITE PLAN	2
SITE PLAN	3
SECTION A-A	4
SECTIONS B-B & C-C	5



John S. Matricardi
JOHN S. MATRICARDI, P.E. OHIO REG. NO. 44003
DATE: 11/3/14

Ohio
Utilities Projection
SERVICES
1-800-362-2764
www.ohioutilities.com

1. UNDERGROUND UTILITIES ARE SHOWN FROM RECORDS AND FIELD MARKERS PROVIDED BY UTILITY COMPANIES AND ARE NOT TO BE DEPENDENT ON THE RESULTS OF THE OHIO UTILITIES PROTECTION SERVICE (OUPS) AT LEAST 48 HOURS PRIOR TO EXCAVATION.
2. VISIBLE SURFACE UTILITIES HAVE BEEN FIELD LOCATED UNLESS OTHERWISE NOTED.

SHEET	1
OF	5
JOB NO.	14156

TITLE SHEET
SHORELINE IMPROVEMENTS
33850 LAKE ROAD
AVON LAKE, OHIO 44012

KS Associates, Inc.
260 Burns Road, Suite 100
Elyria, OH 44035
P 440 365 4730
F 440 365 4790
www.ksassociates.com

DATE:	11-04-14
DRAWN BY:	RPS
CHEK BY:	RL
DRAWN SCALE:	1/8"=1'
PAPER:	
P.L.:	

DATE	BY	ADJACENT PROPERTY OWNERS
		EQUITY TRUST COMPANY CUST FBO SARAN 33874 LAKE ROAD, AVON LAKE, OH 44012
		216 MILLER ROAD LLC 33844 LAKE ROAD, AVON LAKE, OHIO 44012
DATUM: 0.0 LWD = 569.2 FEET IGLD 1985		

SURVEYOR'S NOTES

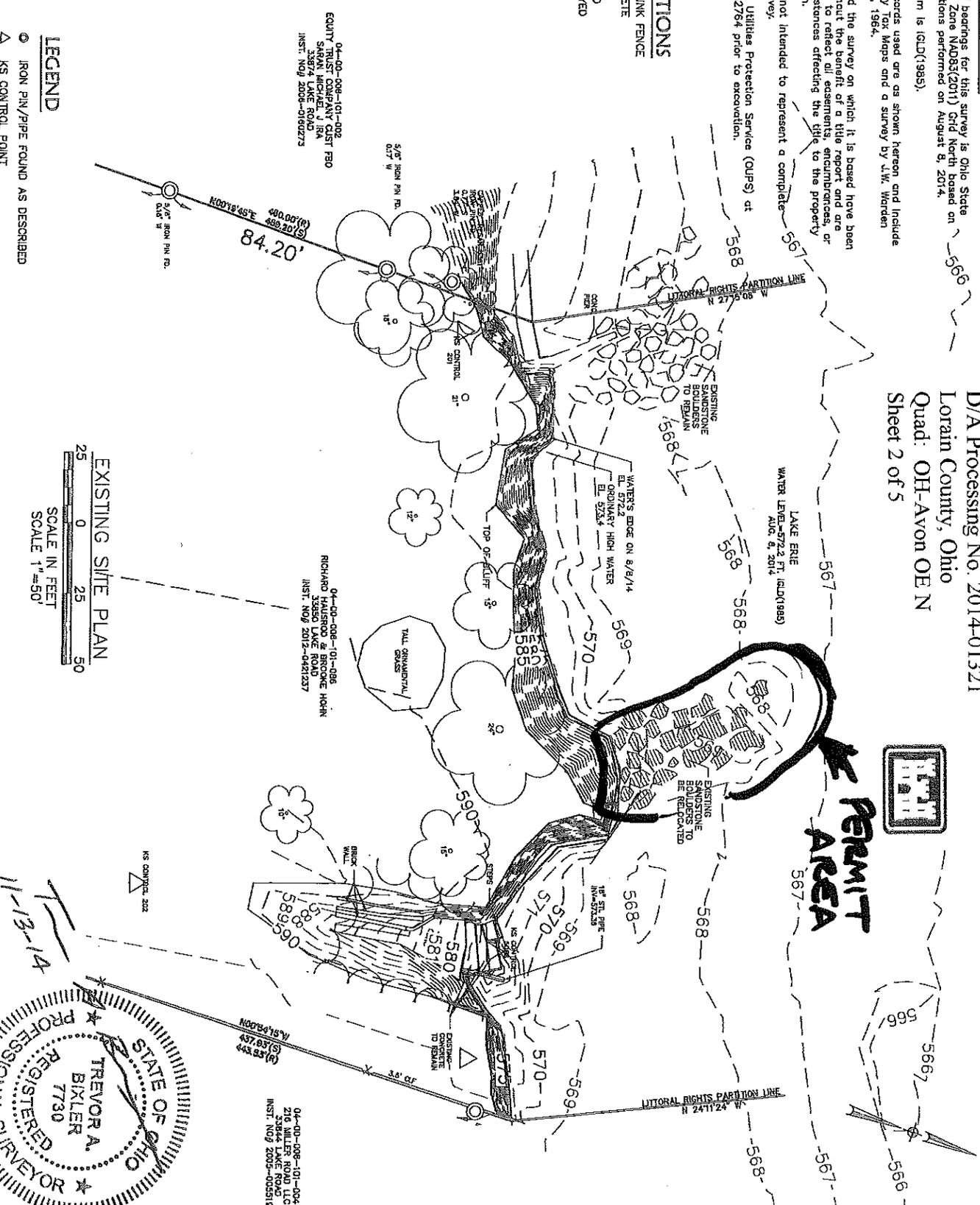
1. The basis of bearings for this survey is Ohio State Plane, North Zone NAD83(2011) Grid North based on GPS observations performed on August 9, 2014.
2. Vertical datum is (GLD)(1985).
3. Pertinent records used are as shown hereon and include Lorain County Tax Maps and a survey by J.W. Worden dated May 9, 1964.
4. This map and the survey on which it is based have been prepared without the benefit of a title report and are not intended to reflect all easements, encumbrances, or other circumstances affecting the title to the property shown hereon.
5. This map is not intended to represent a complete boundary survey.
6. Contact Ohio Utilities Protection Service (OUPS) at 1-800-362-2764 prior to excavation.

ABBREVIATIONS

CLF CHAINLINK FENCE
 CONC CONCRETE
 FD FOUND
 R RECORD
 S SURVEYED

Hausrod, Richard
 D/A Processing No. 2014-01321
 Lorain County, Ohio
 Quad. OH-Avon OE N
 Sheet 2 of 5

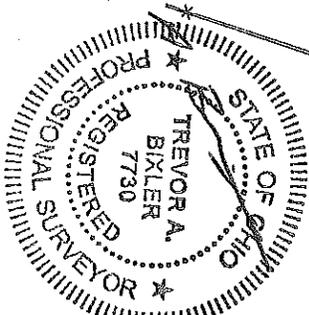
PERMIT AREA



LEGEND

- IRON PIN/PIPE FOUND AS DESCRIBED
- △ KS CONTROL POINT
- FENCE LINE

EXISTING SITE PLAN
 0 25 50
 SCALE IN FEET
 SCALE 1" = 50'

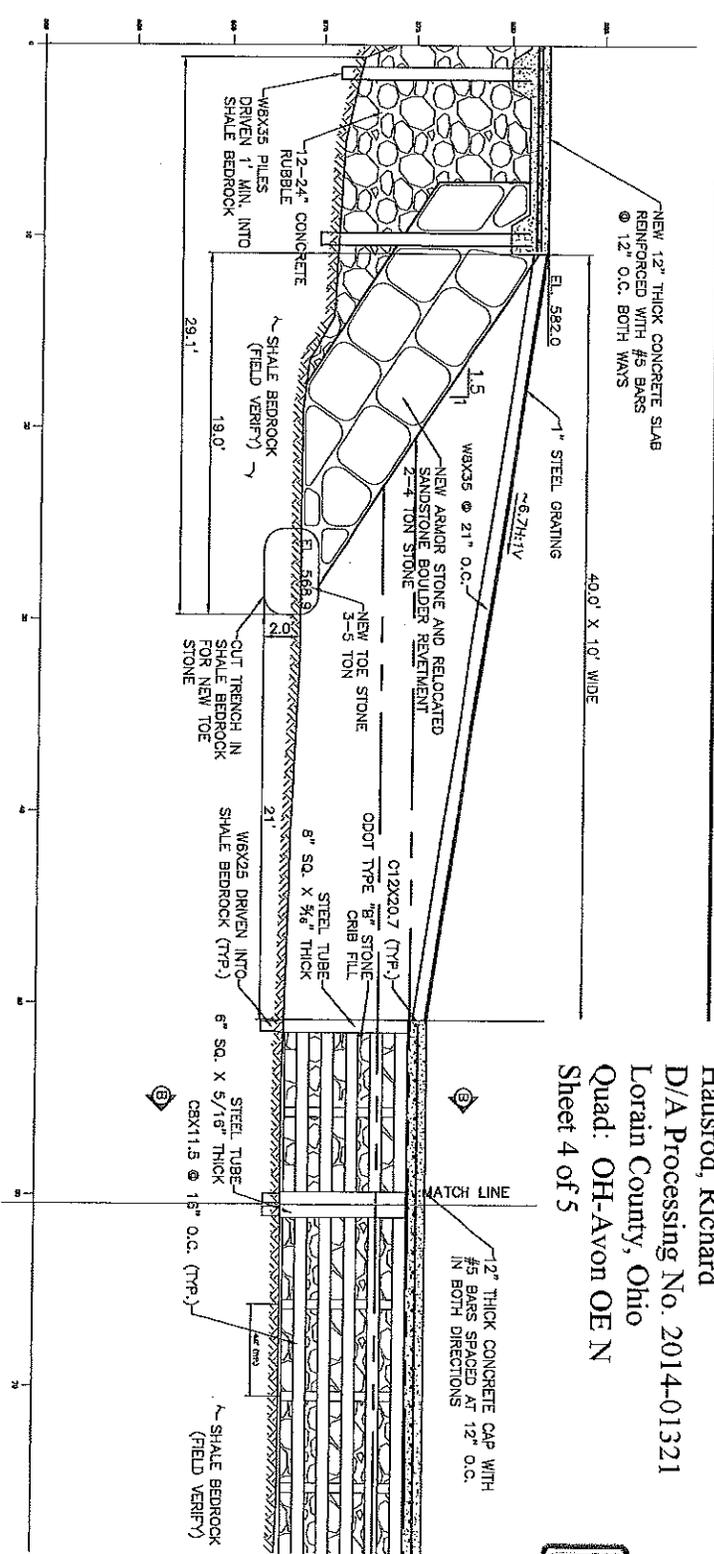


04-00-006-101-002
 EQUITY TRUST COMPANY CUST FBO SARAN
 SARAN MICHAEL J ISA
 33874 LAKE ROAD
 INST. NO. 2005-0160273

04-00-006-101-006
 RICHARD HAUSROD & ERICONE HOHN
 216 MILLER ROAD LLC
 INST. NO. 2012-0421237

04-00-006-101-004
 216 MILLER ROAD LLC
 INST. NO. 2005-0095033

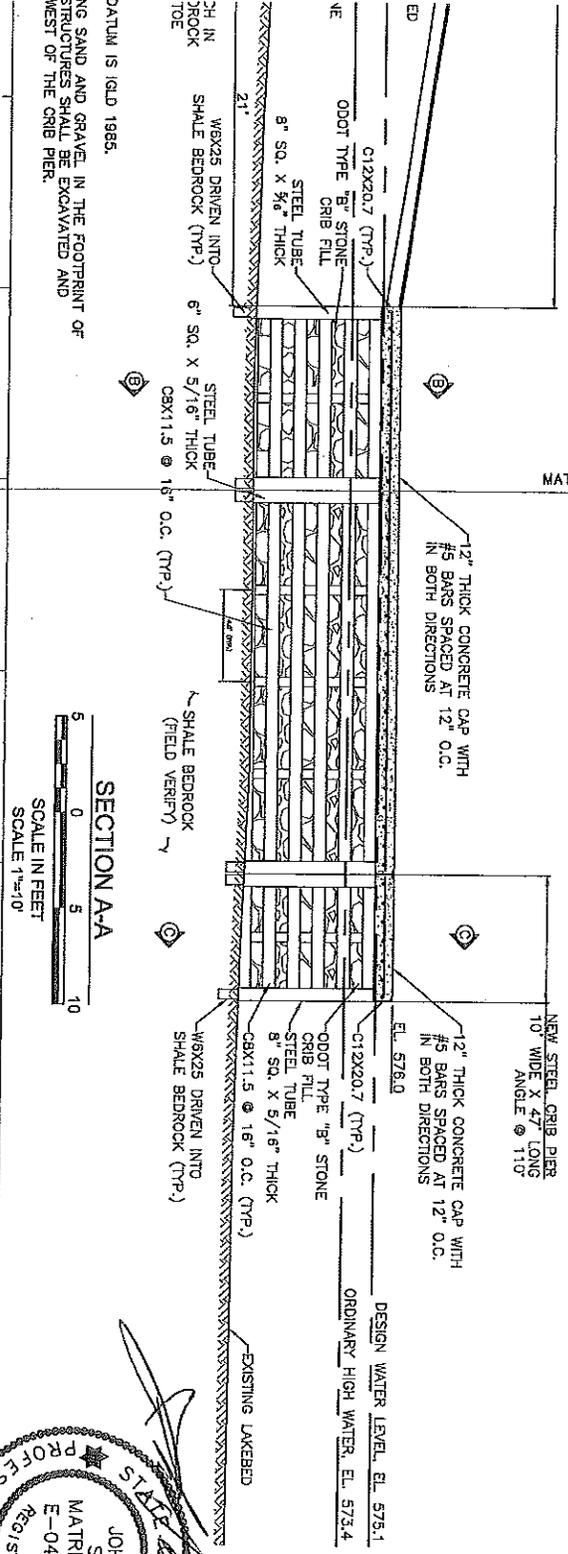
SHEET 2 OF 5 JOB NO. 14156	EXISTING SITE PLAN SHORELINE IMPROVEMENTS 33850 LAKE ROAD AVON LAKE, OHIO 44012	KS ASSOCIATES KS Associates, Inc. 260 Burns Road, Suite 100 Elyria, OH 44035 P 440 365 4780 F 440 365 4790 www.kssociates.com	DATE: 11-04-14 DRAWN BY: PFB DTD BY: DES. NO.: 1650-2 PDATE: 10/11 P.P.: 017	DATE BY: ADJACENT PROPERTY OWNERS EQUITY TRUST COMPANY CUST FBO SARAN 33874 LAKE ROAD, AVON LAKE, OH 44012 216 MILLER ROAD LLC 33844 LAKE ROAD, AVON LAKE, OH 44012 DATUM: 0.0 LWD = 569.2 FEET IGLD 1985
			DATE: 11-04-14 DRAWN BY: PFB DTD BY: DES. NO.: 1650-2 PDATE: 10/11 P.P.: 017	DATE BY: ADJACENT PROPERTY OWNERS EQUITY TRUST COMPANY CUST FBO SARAN 33874 LAKE ROAD, AVON LAKE, OH 44012 216 MILLER ROAD LLC 33844 LAKE ROAD, AVON LAKE, OH 44012 DATUM: 0.0 LWD = 569.2 FEET IGLD 1985



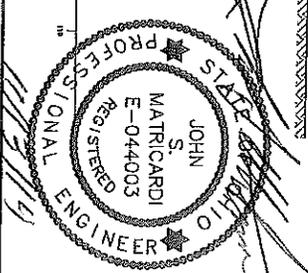
Hausrod, Richard
 D/A Processing No. 2014-01321
 Lorain County, Ohio
 Quad: OH-Avon OE N
 Sheet 4 of 5



- NOTES**
1. VERTICAL DATUM IS IGLD 1985.
 2. ALL EXISTING SAND AND GRAVEL IN THE FOOTPRINT OF THE NEW STRUCTURES SHALL BE EXCAVATED AND SIDECAST WEST OF THE CRIB PIER.



SECTION A-A
 SCALE IN FEET
 SCALE 1"=10'



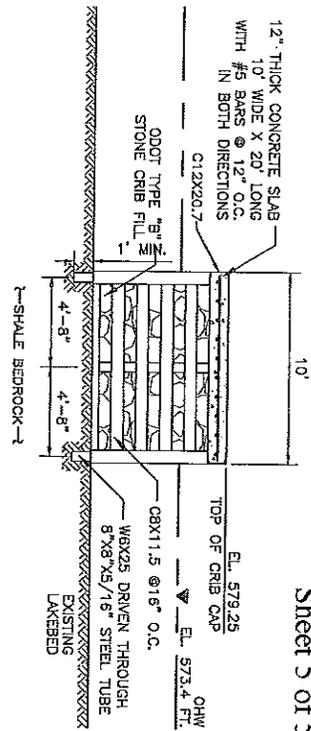
SECTION A-A
SHORELINE IMPROVEMENTS
 33850 LAKE ROAD
 AVON LAKE, OHIO 44012

KS ASSOCIATES
 KS Associates, Inc.
 260 Burns Road, Suite 100
 Elyria, OH 44035
 P 440 365 4730
 F 440 365 4790
 www.kssassociates.com

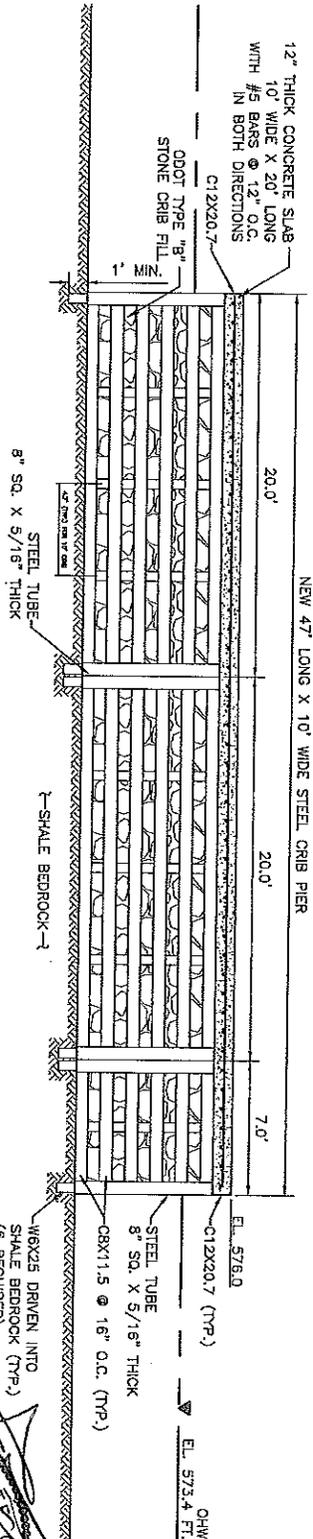
DATE	BY	ADJACENT PROPERTY OWNERS
11-04-14		EQUITY TRUST COMPANY CUST FBO SARAH 33874 LAKE ROAD, AVON LAKE, OH 44012
		216 MILLER ROAD LLC 33844 LAKE ROAD, AVON LAKE, OH 44012
		DATUM: 0.0 LWD = 569.2 FEET IGLD 1985

JOB NO.	14156
SHEET	4
OF	5

Hausrod, Richard
 D/A Processing No. 2014-01321
 Lorain County, Ohio
 Quad: OH-Avon OE N
 Sheet 5 of 5

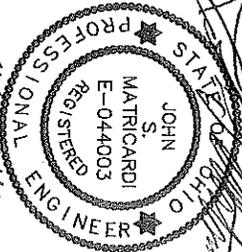
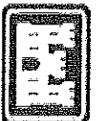


SECTION B-B
 SCALE IN FEET
 SCALE 1"=10'



SECTION C-C
 SCALE IN FEET
 SCALE 1"=10'

- NOTES**
1. VERTICAL DATUM IS IGLD 1985.
 2. ALL EXISTING SAND AND GRAVEL IN THE FOOTPRINT OF THE NEW STRUCTURES SHALL BE EXCAVATED AND SIDECAST WEST OF THE CRIB PIER.



SECTIONS B-B & C-C
SHORELINE IMPROVEMENTS
 33850 LAKE ROAD
 AVON LAKE, OHIO 44012

KS ASSOCIATES
 KS Associates, Inc.
 260 Burns Road, Suite 100
 Elyria, OH 44035
 P 440 365 4730
 F 440 365 4790
 www.ksassociates.com

DATE:	11-03-14
DRAWN BY:	WPC
CHECKED BY:	WPC
DATE PLOTTED:	11/13/14
SCALE:	AS SHOWN
FILE:	

REVISIONS	DATE	BY	ADJACENT PROPERTY OWNERS
			EQUITY TRUST COMPANY CUST FBO SARAN 33874 LAKE ROAD, AVON LAKE, OH 44012
			216 MILLER ROAD LLC 33844 LAKE ROAD, AVON LAKE, OH 44012
DATUM: 0.0 LWD = 569.2 FEET IGLD 1985			

SHEET 5 OF 5
 JOB NO. 14156