

Public Notice

**US Army Corps
of Engineers**
Louisville District ®

Public Notice No.
LRL-2020-00328

Open Date:
17 April 2020

Closing Date:
19 May 2020

Please address all comments and inquiries to:
U.S. Army Corps of Engineers, Louisville District
ATTN: Mr. Matt Dennis, CELRL-RDS, Rm 752
P.O. Box 59
Louisville, Kentucky 40201-0059

Phone: 502-315-6689

This notice announces an application submitted for a Department of the Army (DA) Permit, subject to Section 10 of the Rivers and Harbors Act of 1899:

APPLICANT: American River Transportation Company (ARTCO)
P.O. Box 126
Wickliffe, Kentucky 42087

LOCATION: Ohio River, near Cache Island at Mile 973.5 in Ballard County, Kentucky

Latitude: 37.089573° North
Longitude: -89.137502° West
7.5 Minute Quad: Cairo

PURPOSE: To establish a fleeting area for empty and loaded hopper/tank barges in order to handle increased barge traffic at the confluence of the Mississippi and Ohio Rivers.

DESCRIPTION OF WORK: The applicant proposes to install three anchor barge fleets. Each anchor fleet would consist of two (2) 15-ton Moorfast anchors attached to a string of 3 empty fleet barges with 2 ¼ -inch stud link anchor chain. The fleets are designed to hold 84 barges (42 on each side of the anchor barge). The fleets would be arranged 7 long and 6 wide on each of each of the three anchor barges. The fleets would accommodate empty and loaded hopper/tank barges that are used to transport both hazardous and non-hazardous cargo such as grain, coal, lube, ethanol, fertilizer, salt, aggregate, etc.

REVIEW PROCEDURES: A DA Permit cannot be issued if any legally required Federal, State, or local authorization or certification is denied.

Copies of this notice are sent to the appropriate Federal and State Fish and Wildlife Agencies. Their views and comments are solicited in accordance with the Fish and Wildlife Coordination Act of 1956. The Endangered Species Act (ESA, 87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) requires federal agencies to consult with the U.S. Fish and Wildlife Service (USFWS) pursuant to Section 7(a) 2 of the ESA on all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered, or any designated critical habitat. A copy of this notice is being furnished to the USFWS for their review. Per this notification, we

Regulatory Division
South Branch
Public Notice No. LRL-2020-328-mad

request comments from the USFWS concerning potential impact to threatened and/or endangered species that may occur within the project area. After receipt of comments, the USACE will evaluate the potential impacts to proposed and/or listed species and their designated critical habitat and initiate consultation with USFWS, if required.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. A request for a public hearing must state the specific interest which might be damaged by issuance of the DA Permit.

The National Register of Historic Places has been examined, and it has been determined that there are no properties currently listed on the Register which would be directly affected by the proposed work. If we are made aware, as a result of comments received in response to this notice, or by other means, of specific archaeological, scientific, pre-Columbian, or historical sites or structures which might be affected by the proposed work, the District Engineer will immediately take the appropriate action necessary pursuant to the National Historic Preservation Act of 1966 – Public Law 89-665 as amended (including Public Law 96-515).

The decision whether to issue a permit will be based on an evaluation of the probable impact 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; among those are conservation, economics, aesthetic values, general environmental concerns, historic values, fish and wildlife values, flood damage prevention, land use, navigation, recreation, water supply, water quality, energy needs, safety, food production, and in general, the needs and welfare of the public.

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. It is presumed that all interested parties and agencies will wish to respond; therefore, a lack of response will be interpreted as meaning that there is no objection to the proposed project. 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.

Written statements received in this office on or before the closing date will become a part of the official record and will be considered in the determination on this permit request. Any objections which are received during this period will be forwarded to the applicant for possible resolution before the determination is made whether to issue or deny the requested DA Permit. A permit will be granted unless its issuance is found to be contrary to the public interest.

Information pertaining to this application is available for public examination during normal business hours upon prior request. Drawings are available on Louisville District's Internet site at <http://www.lrl.usace.army.mil/Missions/Regulatory/Public-Notices/>. All comments regarding

Regulatory Division
South Branch
Public Notice No. LRL-2020-328-mad

this proposal should be addressed to Mr. Matt A. Dennis, CELRL-RDS at the address noted above and should refer to the Public Notice Number LRL-2020-328-mad.

If you desire to submit your comments by email, you must comply with the following:

a) In the subject line of your email, type in **ONLY** the Public Notice ID No. LRL-2020-328-mad.

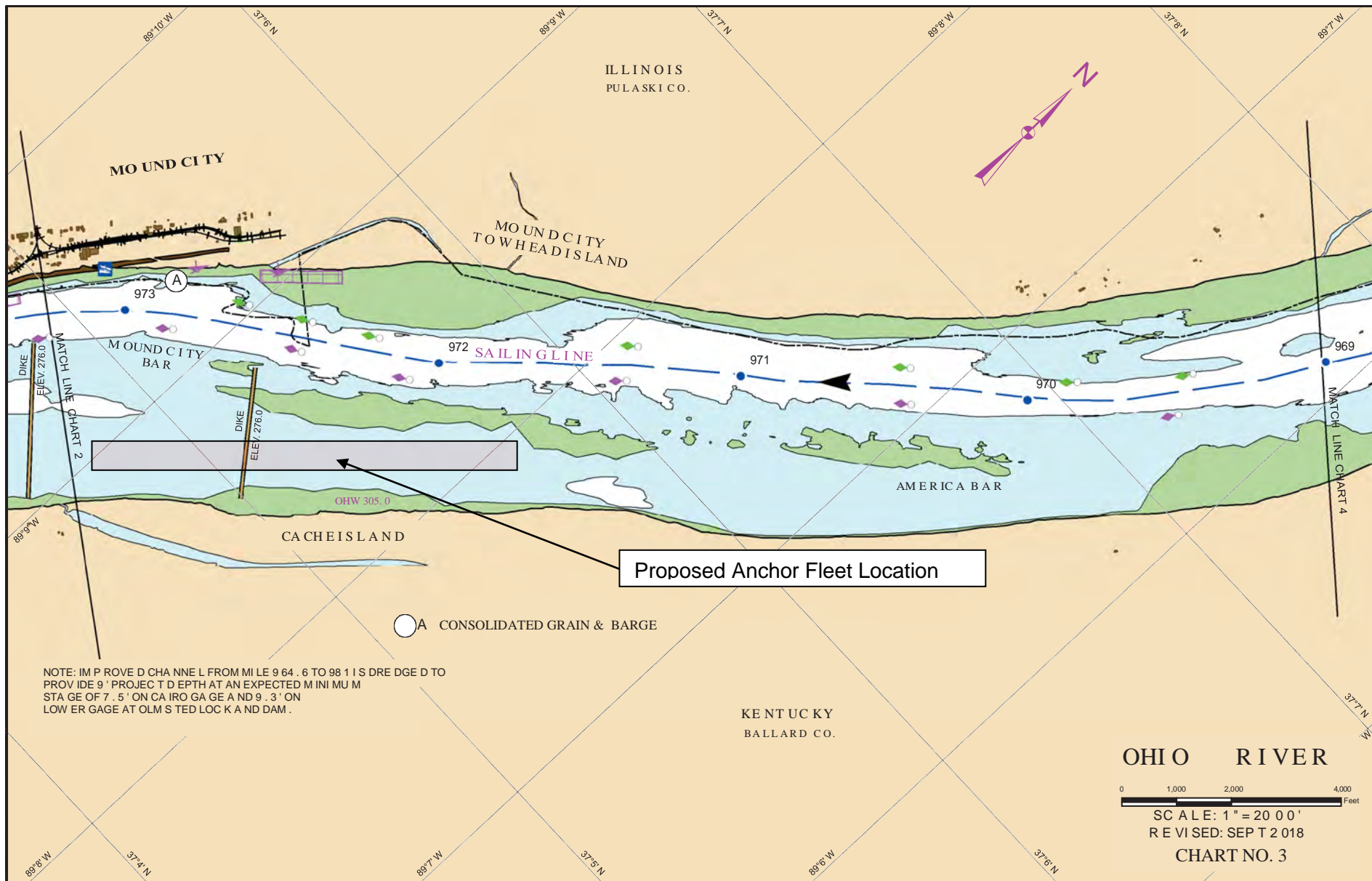
Example:

Subject: LRL-2020-328-mad

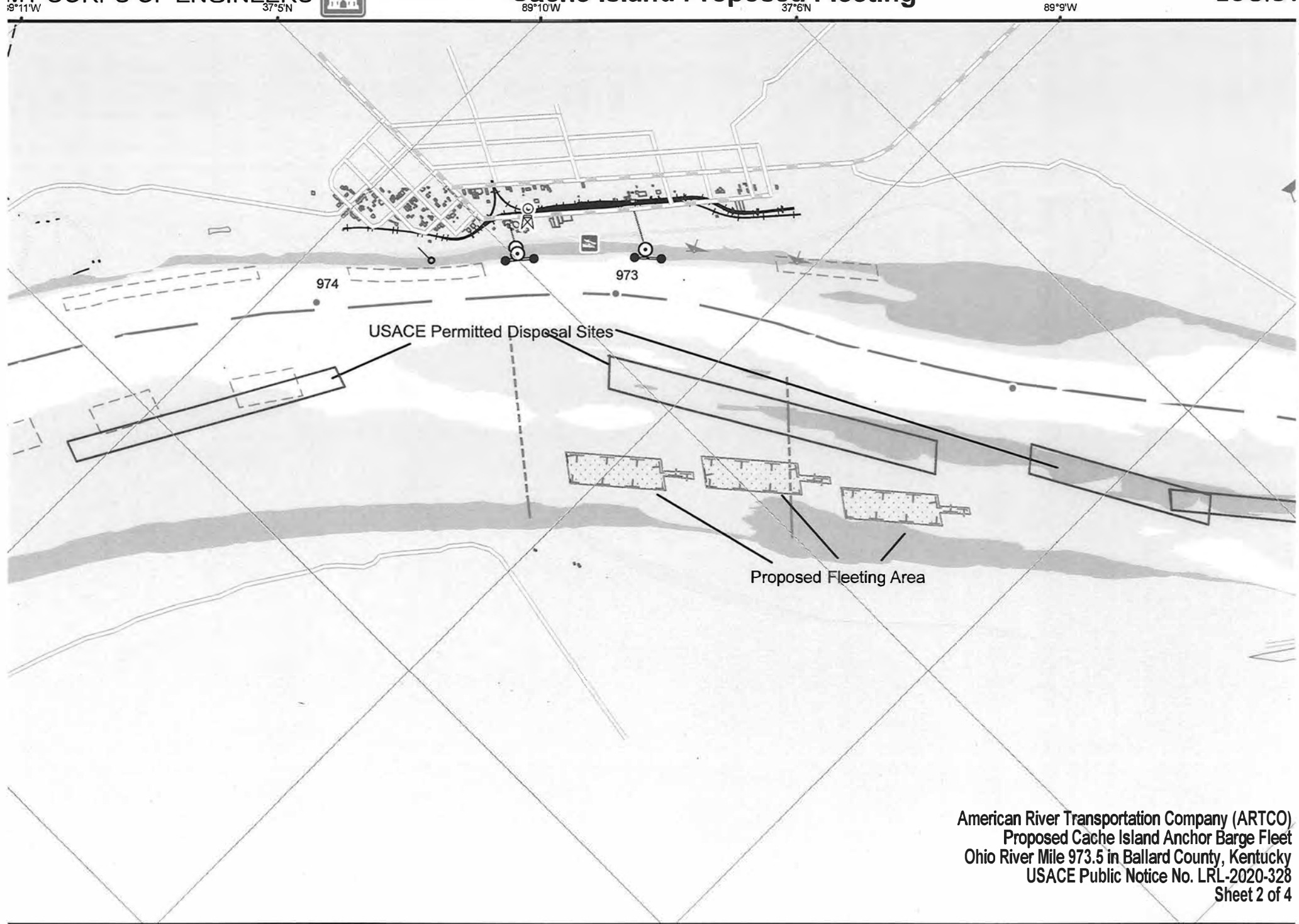
b) Provide your physical mailing address and telephone number.

c) Send your email to: lrl.regulatorypubliccomment@usace.army.mil

d) If you are sending attachments greater than 1 Mb in size with your email, you must send a hard copy (CD or paper) to the Corps' physical address as well.

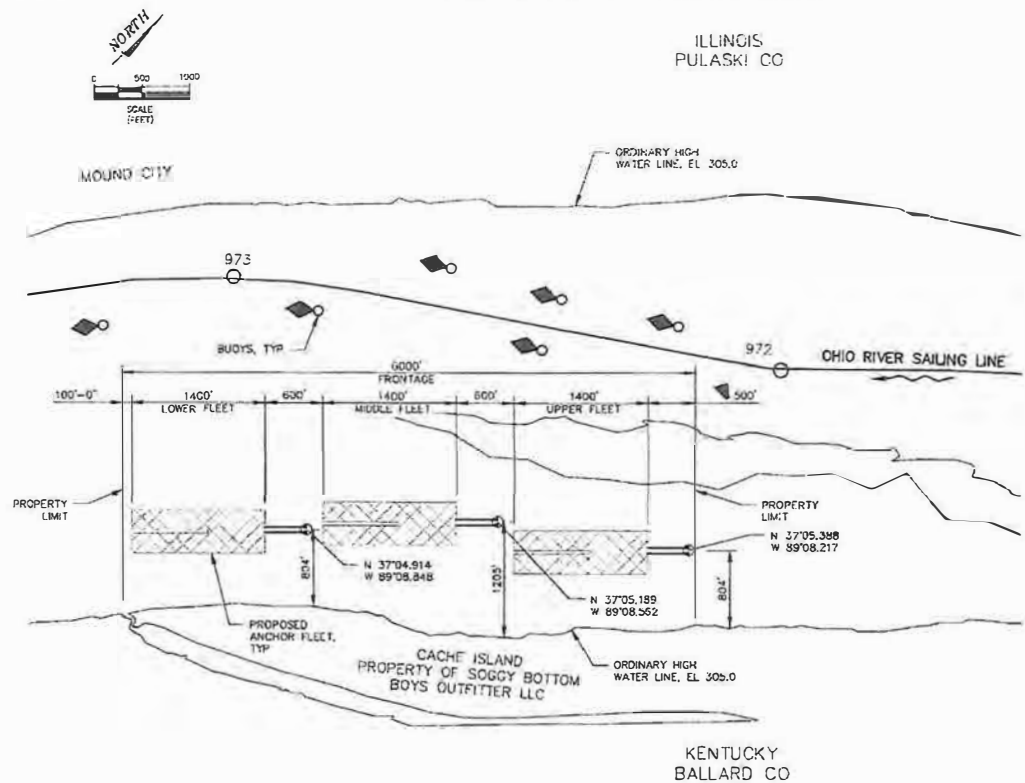


American River Transportation Company (ARTCO)
 Proposed Cache Island Anchor Fleet
 Ohio River Mile 973.5 in Ballard County, Kentucky
 USACE Public Notice No. LRL-2020-328
 Sheet 1 of 4



American River Transportation Company (ARTCO)
 Proposed Cache Island Anchor Barge Fleet
 Ohio River Mile 973.5 in Ballard County, Kentucky
 USACE Public Notice No. LRL-2020-328
 Sheet 2 of 4

WAE PROJECT # 20025



DESIGN DATA:

MOORING DESIGN PER DEPARTMENT OF DEFENSE UFC 4-159-03.

RIVER CURRENT FORCE: (BASED ON AVAILABLE USGS DATA)
 WATER DEPTH 30 FT AVERAGE FLOW
 50 FT PEAK STAGE
 DRAFT DEPTH 12 FT
 VELOCITY 8.0 FT/S PEAK FLOW
 WIND SPEED 20 MPH

DESIGNED ACCORDING TO LOADED 35'x200' BARGES SHOWN.

FACTORS OF SAFETY:
 DRAG ANCHORS = 1.5
 CHAINS AND FITTINGS = 3.0

ANCHOR, CHAIN, AND OTHER COMPONENT PROOF TEST LOADS PER MANUFACTURER.

MOORING SYSTEM ALLOWABLE CAPACITY = 266,600 LBS
 (133,300 LBS PER ANCHOR)

GENERAL NOTES:

ENSURE LOAD SHARING BETWEEN BOTH ANCHORS.

WATER DEPTH WILL VARY. ADM TO MAINTAIN AN ACCEPTABLE BARGE CONFIGURATION AND CORRESPONDING ACCEPTABLE DRAFT DEPTH PER THE DESIGN DATA. SITUATIONS NOT SHOWN TO BE APPROVED BY ENGINEER.

SELECT CONNECTING COMPONENTS AND FITTINGS TO HAVE A GREATER HOLDING CAPACITY THAN ANCHORS. (133,300 LBS SAFE WORKING LOAD)

ANCHOR AND BARGE CONNECTIONS TO BE DETERMINED BY ADM. MAINTAIN SAFE WORKING LOAD AS STATED ABOVE.

ADM SHALL MONITOR RIVER CURRENT VELOCITIES AND ADJUST BARGE DRAFT OR BARGE CONFIGURATION IF VELOCITY EXCEEDS ASSUMED VALUES.

BARGE FLEET MOORING PLAN

OHIO RIVER
 MILE 972 NEAR
 MOUND CITY, IL

ADM/ARTCO



Client:
 ADM/ARTCO

WESTBROOK
 Associated Engineers, Inc.
 619 EAST HOMIE STREET
 P.O. BOX 429
 SPRING GREEN, WI 53588
 PHONE (608) 589-7866
 FAX (608) 588-7954
 WWW.WESTBROOKENG.COM

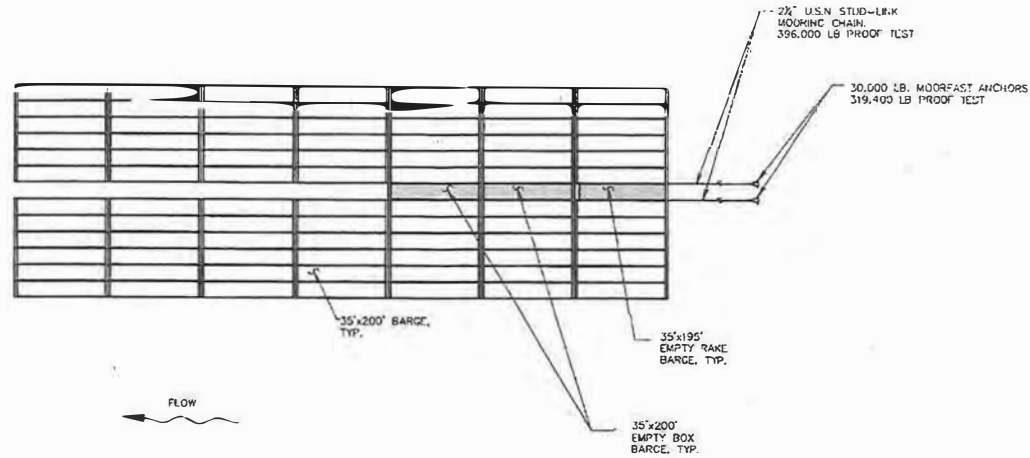


BARGE FLEET MOORING PLAN

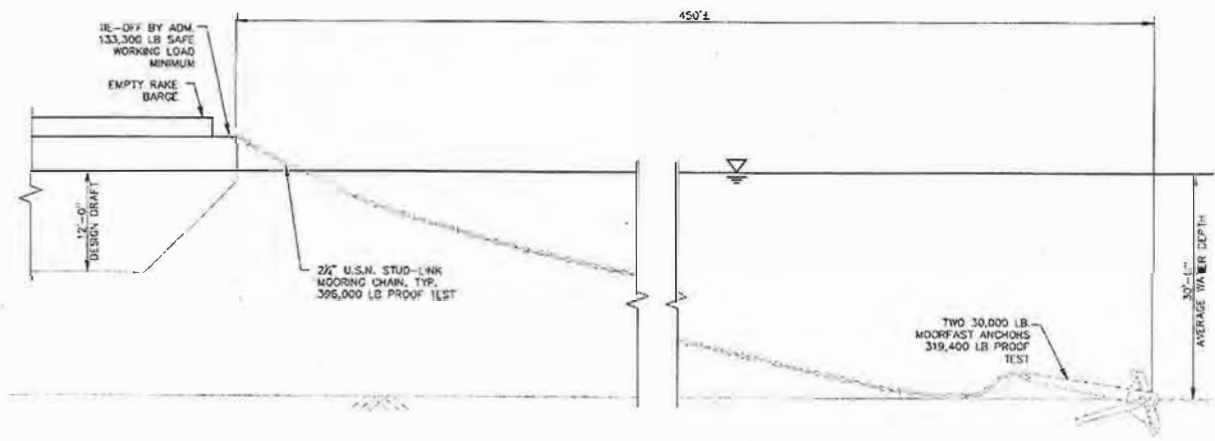
SHEET 1 OF 2

American River Transportation Company (ARTCO)
Proposed Cache Island Anchor Barge Fleet
Ohio River Mile 973.5 in Ballard County, Kentucky
USACE Public Notice No. LRL-2020-328
Sheet 3 of 4

WAE PROJECT # 20025



BARGE CONFIGURATION



ELEVATION VIEW - MOORING SYSTEM

**BARGE FLEET
MOORING PLAN**

OHIO RIVER
MILE 972 NEAR
MOUND CITY, IL

ADM/ARTCO



ADM/ARTCO

WESTBROOK
Associated Engineers, Inc.

619 EAST HOXIE STREET
P.O. BOX 429
SPRING GREEN, WI 53588
PHONE (608) 588-7866
FAX (608) 588-7954

WWW.WESTBROOKENG.COM

REVISION	DATE



BARGE FLEET
MOORING SYSTEM

SHEET 2 OF 2

American River Transportation Company (ARTCO)
Proposed Cache Island Anchor Barge Fleet
Ohio River Mile 973.5 in Ballard County, Kentucky
USACE Public Notice No. LRL-2020-328
Sheet 4 of 4