



**US ARMY CORPS
OF ENGINEERS
St. Louis District
Gateway to Excellence**

Public Notice

Reply To:
U.S. Army Corps of Engineers
Attn: CEMVS-OD-F
1222 Spruce Street
St. Louis, MO 63103-2833

Public Notice No.
P-2853 (2013-619)
Public Notice Date
October 18, 2013
Expiration Date
November 18, 2013

Postmaster Please Post Conspicuously Until:

Interested parties are hereby notified that the U.S. Army Corps of Engineers, St. Louis District (Corps) is soliciting comments on a Draft Environmental Assessment (EA), which includes a Clean Water Act Section 404 and a Rivers and Harbors Act Section 10 evaluation, on river training construction activities (Regulating Works) for certain work in waters of the United States, as described below and in the referenced web page link.

COMMENTS AND ADDITIONAL INFORMATION: Comments on the Draft EA and described work should reference the Corps file number shown above and must reach this office no later than the above expiration date of the Public Notice to become part of the record and be considered in the decision. Comments should be mailed to the following address:

U.S. Army Corps of Engineers
ATTN: CEMVS-OD-F (Danny McClendon)
1222 Spruce Street
St. Louis, Missouri 63103-2833

REQUESTOR: U.S. Army Corps of Engineers, St. Louis District, Engineering and Construction Branch and Project Management Branch, 1222 Spruce Street, St. Louis Missouri 63103-2833, c/o: Mr. Jasen Brown (314-331-8540) or Mr. Kip Runyon (314-331-8396).

LOCATION: The Mosenthein/Ivory Landing Phase 4 Regulating Works Project is located in the Middle Mississippi River (MMR) between River Miles (RM) 170 and 175 in St. Louis City, Missouri and St. Clair County, Illinois (see Attachments 1-3). The MMR is defined as that portion of the Mississippi River that lies between the confluences of the Ohio and Missouri Rivers.

PROJECT DESCRIPTION: The Corps is proposing to construct the Mosenthein/Ivory Landing Phase 4 Project as part of its Regulating Works Project. The Regulating Works Project utilizes bank stabilization and sediment management to maintain bank stability and ensure adequate navigation depth and width. Bank stabilization is achieved by revetments while sediment management is achieved by river training structures. The Mosenthein/Ivory Landing Phase 4 Regulating Works Project is needed to address backline erosion, channel widening, and repetitive channel maintenance dredging issues in the project area. Frequent dredging has been required in the area in order to address navigation channel depth and width issues. Bankline failures and associated channel widening have contributed to navigation channel shoaling and loss of private land in the project area. The project proposes to construct a rootless dike at RM 173.4L and place backline revetment at four locations on the left descending bank (L) from RM 171 to 175. Placement of rock training structures would provide a sustainable alternative to repetitive maintenance dredging. Fill material would consist of quarry run limestone consisting of graded "A" stone. Stone used for the 2 project features (261,835 tons) would be obtained from commercial stone quarries in the vicinity of the project area capable of producing stone which meets Corps specifications. Placement of material would be accomplished by track hoe or dragline crane. Stone would be transported to placement sites by barges. All construction would be accomplished from the river and all work would be performed below ordinary high water (see Attachments 2-5). The U.S. Fish and Wildlife Service, Missouri Department of Conservation, Illinois Department of Natural Resources, and multiple navigation industry groups were involved in the extensive coordination and planning of the Mosenthein/Ivory Landing Phase 4 Project. No significant impacts to the human environment are anticipated for the Mosenthein/Ivory Landing Phase 4 Regulating Works Project. Therefore, no additional avoidance, minimization and/or compensation measures are proposed at this time.

Table 1. Features associated with the Proposed Action.

Location by river mile	Proposed Feature	Purpose
173.4 (L)	Construct rootless dike 550 feet long. Top elevation will be 389 feet (+15 feet Low Water Reference Plane). 21,835 tons of stone anticipated.	Needed to constrict the channel and increase capacity to transport sediment.
175 – 171 (L)	Place approximately 11,500 linear feet of revetment intermittently from RM 175-171. 240,000 tons of stone anticipated.	Needed to prevent bankline erosion and associated channel widening and shoaling.

The Corps Project Management Branch has prepared a Draft Environmental Assessment (EA), which includes a Clean Water Act Section 404 and Rivers and Harbors Act Section 10 evaluation, and Draft Finding of No Significant Impact (FONSI) for the proposed activities. These documents are available for electronic viewing (under Environmental Assessments, Assessments, Mosenthein Ivory Landing Phase 4 Draft EA/w Appendices) at:

<http://www.mvs.usace.army.mil/Missions/ProgramsProjectManagement/PlansReports.aspx>

A hard copy of the Draft EA and related documents are also available for viewing at the Corps Project Management Branch in the Robert A. Young Federal Building, at 1222 Spruce Street, St. Louis, Missouri. Further project details, including drawings, surveys and maps are available by viewing the above referenced Draft EA webpage link.

ADDITIONAL INFORMATION: Additional information may be obtained by contacting Mr. Danny McClendon, Regulatory Branch, U.S. Army Corps of Engineers, at electronic mail address: danny.d.mcclendon@usace.army.mil

AUTHORITY: The authority for the proposed project is described in the Draft EA. The review for this project has been and will be processed under the provisions of the National Environmental Policy Act, Section 10 of the Rivers and Harbors Act, Section 404 of the Clean Water Act, and any and all pertinent regulations.

WATER QUALITY CERTIFICATION: The project plans have been submitted to the Missouri Department of Natural Resources, Water Protection Program for state certification of the proposed work in accordance with Section 401 of the Clean Water Act. The certification, if issued, will express the Agency's opinion that the proposed activities will not violate applicable water quality standards. Written comments concerning possible impacts to waters of Missouri should be addressed to: Water Protection Program, P.O. Box 176, Jefferson City, Missouri 65102-0176, with copy provided to the Corps.

Activities occurring in Illinois are being reviewed by the Illinois Environmental Protection Agency (IEPA) for water quality certification, or waiver thereof, for the proposed activity in accordance with Section 401 of the Clean Water Act. Certification or waiver indicates that IEPA believes the activity will not violate applicable water quality standards. The review by the IEPA is conducted in accordance with the Illinois water quality standards under 35 Illinois Administrative Code Subtitle C. The water quality standards provide for the IEPA to review individual projects by providing an antidegradation assessment, which includes an evaluation of alternatives to any proposed increase in pollutant loading that may result from this activity. The "Fact Sheet" containing the antidegradation assessment for this proposed project may be found on the IEPA's web site, at www.epa.state.il.us/public-notice/. You may also obtain a copy of the "Fact Sheet" by contacting the IEPA at the address or telephone number shown below. Written comments specifically concerning possible impacts to water quality should be addressed to: Illinois Environmental Protection Agency, Bureau of Water, Watershed Management Section, 1021 N. Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276, with copy provided to the Corps.

The Illinois Department of Natural Resources, Office of Water Resources shall evaluate the activity for state approval of the proposed work in accordance with "an Act in relation to the regulation of the rivers, lakes and streams of the State of Illinois" (Ill. Rev. Stat.; Chap. 19, par 52 et seq.). Written comments concerning possible impacts to waters of Illinois should be addressed to Mr. Mike Diedrichsen, Illinois Department of Natural Resources, One Natural Resource Way, Springfield, Illinois, 62702-1271, with copy provided to the Corps.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held with respect to this project. Request for public hearings shall state, with particularity, the reasons for holding the public hearing.

THREATENED AND ENDANGERED SPECIES: Based on coordination with the U.S. Fish and Wildlife Service, eight federally threatened or endangered species could potentially be found in the project area. The eight species, federal protection status, and habitat can be found in Table 2. No critical habitat is located in the project area.

Table 2. Federally listed threatened and endangered species potentially occurring in the project area.

Species	Status	Habitat
Indiana bat (<i>Myotis sodalis</i>)	Federally Endangered	Hibernacula: Caves and mines; Maternity and foraging habitat: small stream corridors with well developed riparian woods; upland and bottomland forests
Least tern (interior population) (<i>Sterna antillarum</i>)	Federally Endangered	Large rivers - nests on bare alluvial and dredge spoil islands
Pallid sturgeon (<i>Scaphirhynchus albus</i>)	Federally Endangered	Mississippi and Missouri Rivers
Gray Bat (<i>Myotis grisescens</i>)	Federally Endangered	Caves; forages over rivers and reservoirs adjacent to forests
Spectaclecase (<i>Cumberlandia monodonta</i>)	Federally Endangered	Medium to large rivers with coarse sand and gravel
Sheepnose (<i>Plethobasus cyphus</i>)	Federally Endangered	Medium to large rivers with gravel/mixed sand and gravel
Pink Mucket (<i>Lampsilis abrupta</i>)	Federally Endangered	Medium to large rivers with strong currents
Decurrent False Aster (<i>Boltonia decurrens</i>)	Federally Threatened	Recently disturbed areas within wet prairies, shallow marshes, and shores of open rivers, creeks, and lakes

CULTURAL RESOURCES: During the summer of 1988 when the Mississippi River was at one of its lowest levels on record, the Corps conducted an aerial survey of exposed wrecks between Saverton, Missouri, and the mouth of the Ohio River. The nearest wreck to the proposed features was located at approximately RM 176. No cultural resource was visible on the exposed riverbed at the location. In 2010 and 2013 high resolution multi-scan hydro-surveys of the project area were conducted and no topographic anomalies were detected. The proposed revetments are located on relatively recently accreted lands. The location of the Illinois bank of the Mississippi River between RM 171 and 175 has changed appreciably in the last 150 years. River regulating structures and practices have led to a significant narrowing of the MMR with accretion of land along the Illinois bank. Much of this transformation at this location was due to the “capture” of Arsenal Island. Originally formed upstream on the Missouri side of the river in the first half of the 19th century, this ephemeral landform continuously shifted downstream and, moreover, in 1874, the navigation channel shifted from the east to the west of the island. Between 1878 and 1882 the Federal government constructed a dike from the northeastern tip of the island, and then a closing structure south of the dike, which led to rapid land accretion largely closing the eastern channel. Maps and historical narratives indicate that the riverbank generally stabilized near its current location in the 1880s. A pedestrian archaeological survey was conducted along the proposed revetment alignment in 2013 to ensure that no historical structures or features would be adversely affected. Two Corps archaeologists conducted the survey over the course of two days and no significant resources were encountered. The Illinois State Historic Preservation Officer (SHPO)

has reviewed the proposed plans and has provided letters to the Corps that the proposed projects would not affect any historic, architectural and archaeological resources in the project area and did not object to the proposal as planned. The Corps will evaluate information provided by the SHPO, Indian Tribes, and the public in response to this public notice and may conduct, or require a reconnaissance survey of the project area, if warranted.

EVALUATION: Pursuant to NEPA, Section 404 of the Clean Water Act, Section 10 of the Rivers and Harbors Act, and accompanying regulations, the Corps has evaluated the probable impacts including cumulative impacts of the described activity on the public interest. That evaluation and any decision made from comments received will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably be expected to accrue from the described activity must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the described activity will be considered, including the cumulative effects thereof; among those 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, consideration of property ownership and, in general, the needs and welfare of the people.

The Corps 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 these proposed activities as part of the EA process and the Clean Water Act Section 404 and Rivers and Harbors Act Section 10 evaluation. Any comments received will be considered by the Corps in making a final decision on the proposed action. To make this decision, comments are considered to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments will be considered in the preparation of a Final Environmental Assessment, Statement of Findings and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also considered to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

In accordance with 33 CFR 325.3, it is presumed that all interested parties and agencies will wish to respond to public notices; therefore, a lack of response will be interpreted as meaning that there is no objection to the proposed project.

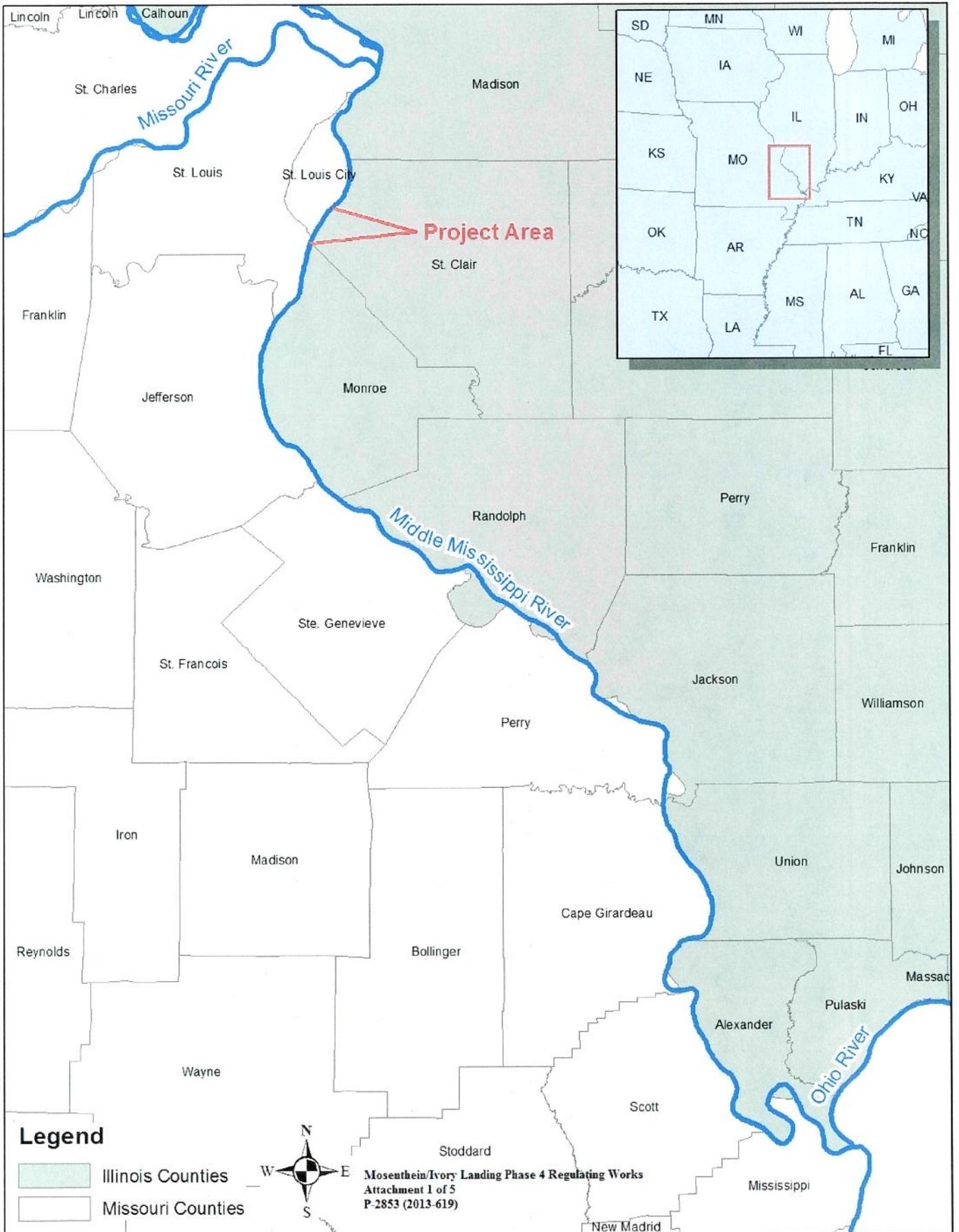


DANNY D. MCCLENDON
Chief, Regulatory Branch

Attachments

NOTICE TO POSTMASTERS:

It is requested that this notice be conspicuously and continually placed for **30** days from the date of issuance of this notice.

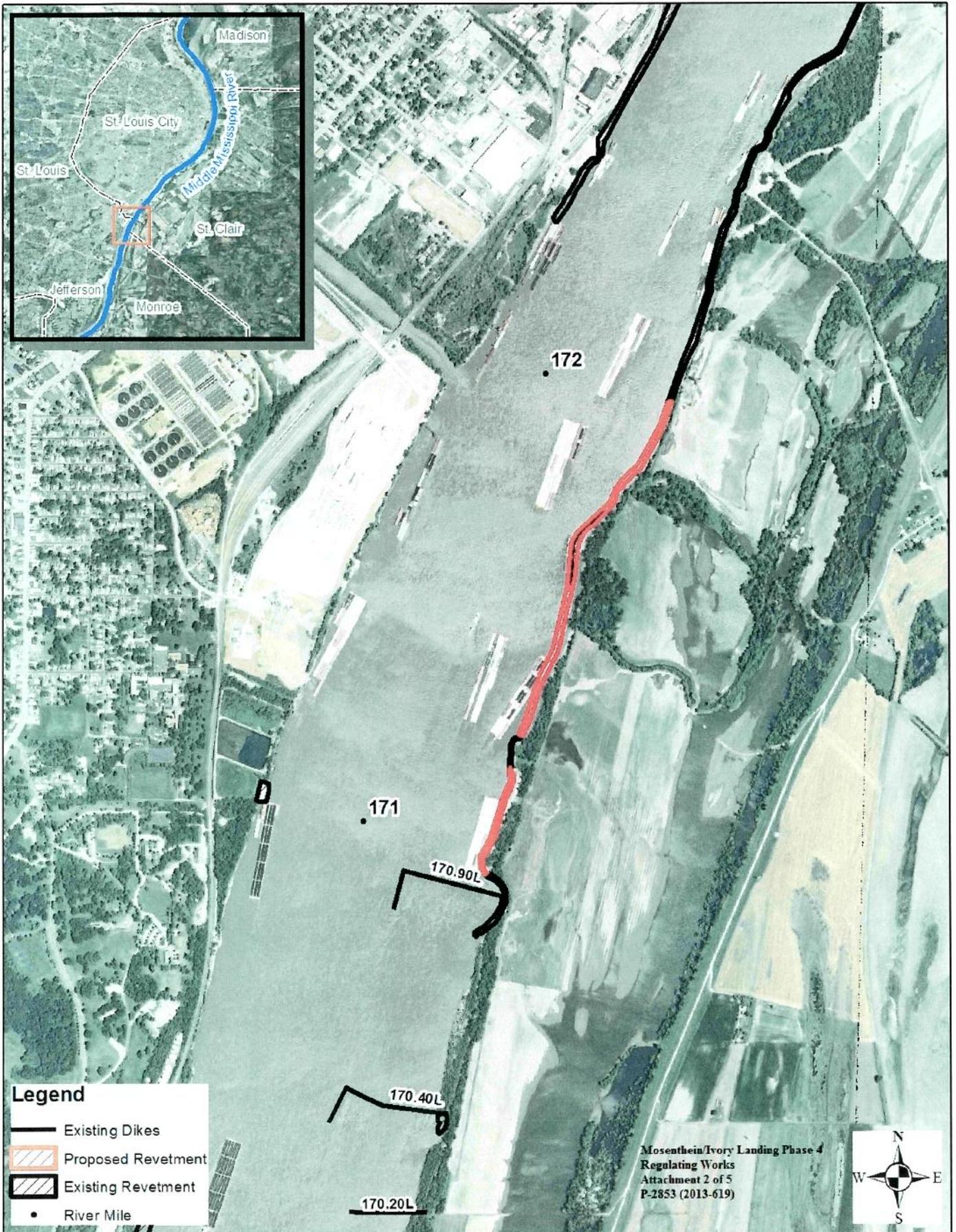


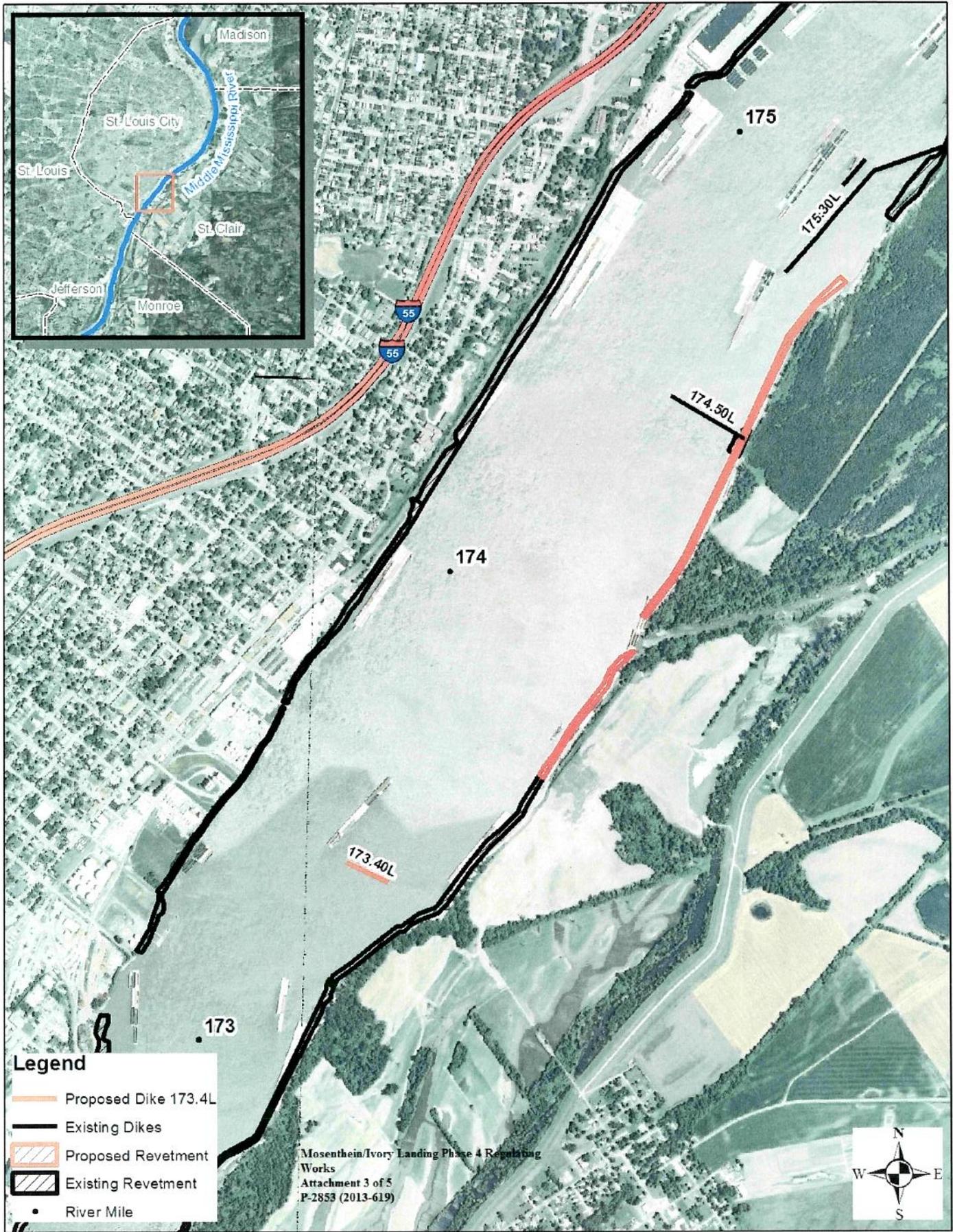
Legend

- Illinois Counties
- Missouri Counties



Mosenthin/Ivory Landing Phase 4 Regulating Works
 Attachment 1 of 5
 P-2853 (2013-619)





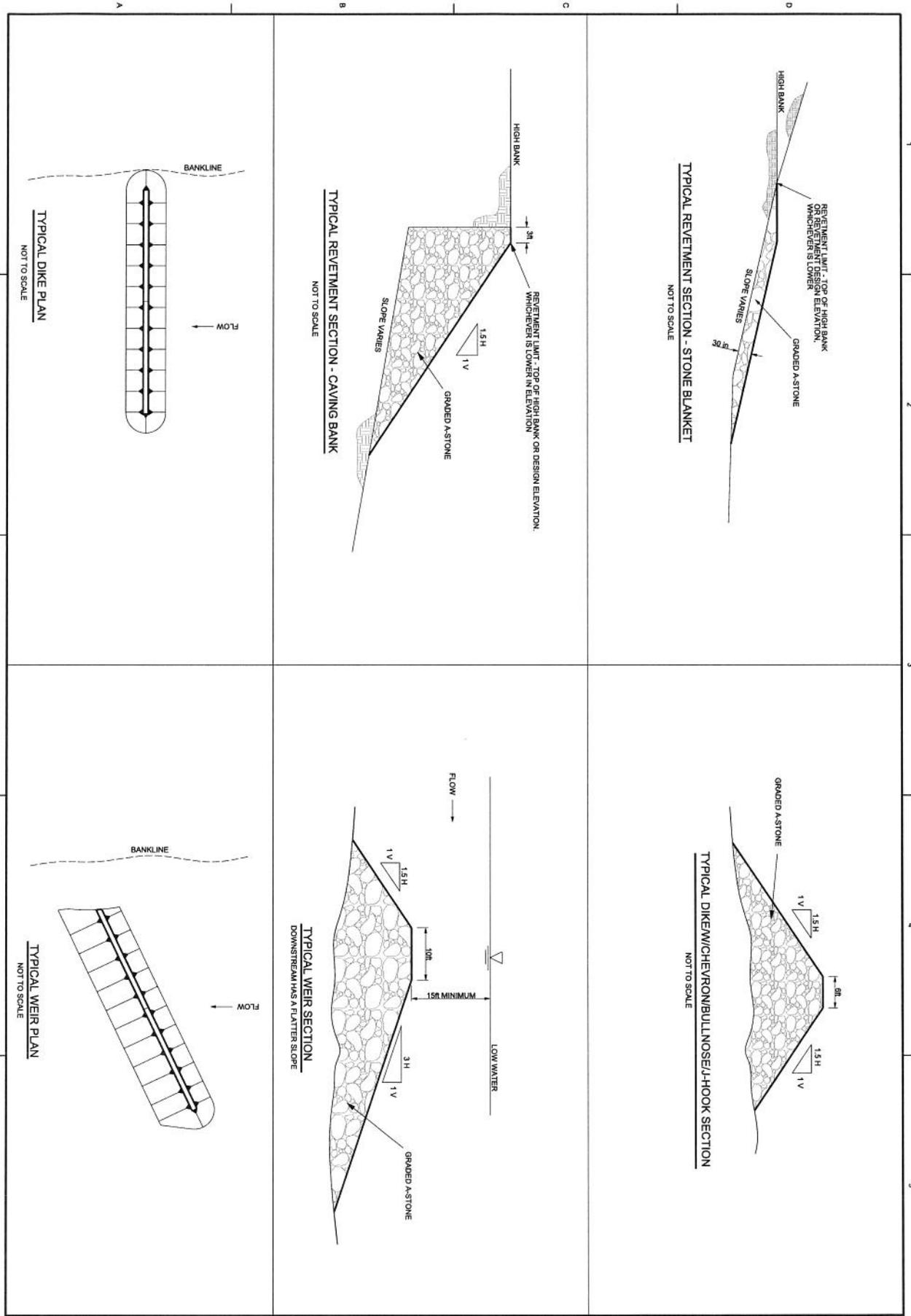
Legend

- Proposed Dike 173.4L
- Existing Dikes
- Proposed Revetment
- Existing Revetment
- River Mile

Mosenthein/Ivory Landing Phase 4 Regulating Works
 Attachment 3 of 5
 P-2853 (2013-619)



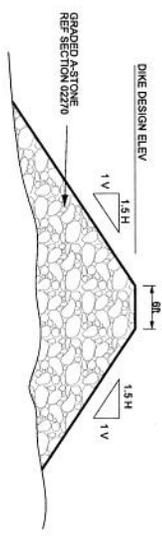
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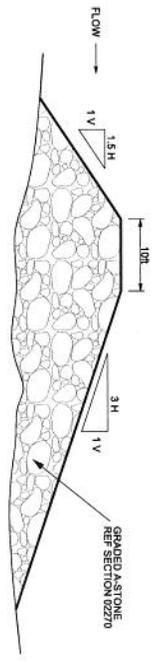
SHEET IDENTIFICATION 2 - 2	TYPICAL RIVER TRAINING STRUCTURES MISSISSIPPI RIVER MILES 300 + 0	U.S. ARMY CORPS OF ENGINEERS ST. LOUIS DISTRICT ST. LOUIS, MISSOURI 63103-2833	DESIGNED BY: DATE:	SOLICITATION NO.: CONTRACT NO.: FILE NUMBER:	
		DRAWN BY: SUBMITTED BY: PLOT SCALE:	CHECKED BY: DATE:	FILE NAME: AND ID	

*Moseinthein/Ivory Landing
Attachment 4 of 5
P-2853 (2013-019)*

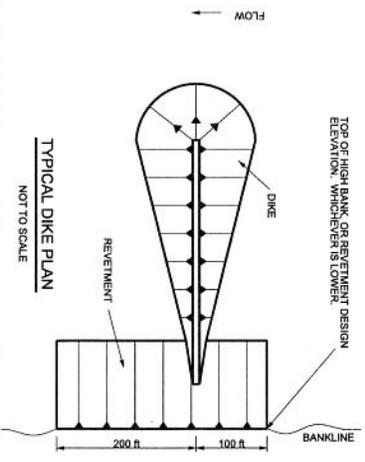
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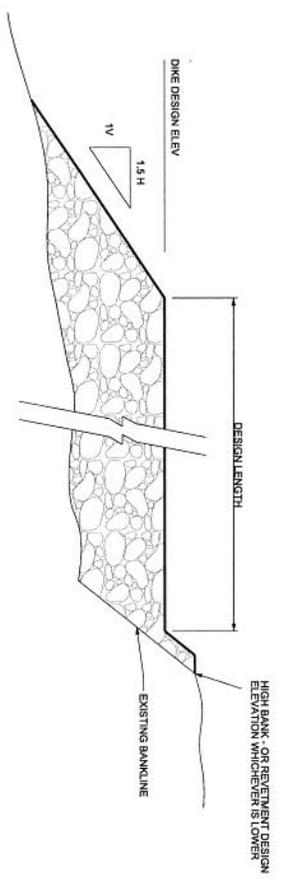
TYPICAL DIKE SECTION
NOT TO SCALE



TYPICAL WEIR SECTION
DOWNSTREAM HAS A FLATTER SLOPE



TYPICAL DIKE PLAN
NOT TO SCALE



TYPICAL DIKE SECTION
NOT TO SCALE

TYPICAL DIKE STRUCTURES
MISSISSIPPI RIVER MILES 300 - 0

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT
ST. LOUIS, MISSOURI 63103-2833

DESIGNED BY:	DATE:
DRAWN BY:	SOlicitATION NO.:
PAIRED BY:	CONTRACT NO.:
SUBMITTED BY:	FEE NUMBER:
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Mosepinthein/Ivory Landing
Attachment 5 of 5
P-2853 (2013-619)

