

Public Notice

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

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

Public Notice No.
P-2939
Public Notice Date
January 22, 2016
Expiration Date
February 11, 2016

Postmaster Please Post Conspicuously Until:

File Number: MVS-2015-266

Interested parties are hereby notified that an application has been received for a Department of the Army permit for certain work in waters of the United States, as described below and shown on the attached maps.

COMMENTS AND ADDITIONAL INFORMATION: Comments on the described work should reference the U.S. Army Corps of Engineers 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
Regulatory Branch
1222 Spruce Street
St. Louis, Missouri 63103-2833
ATTN: Tyson Zobrist

APPLICANT: Attention: Mr. Thomas Martin, 14532 E. Saddle Club Road, P.O. Box 25, Bonnie, Illinois 62816, (618) 242-3606.

LOCATION: The proposed lake will be constructed approximately 1.7 miles northeast of Bonnie, Illinois. More specifically, the proposed project is located in the Southeast $\frac{1}{4}$ of Sections 33, Township 03 South, Range 03 East, with the compensatory mitigation site located in the Northeast $\frac{1}{4}$ of Section 4, Township 04 South, Range 03 East of the 3rd Principle Meridian, Jefferson County, Illinois.

PROJECT DESCRIPTION: The applicant seeks authorization to construct the Martin Family Lake for recreation benefits within their property boundaries. The proposed lake will consist of a 21-acre reservoir with normal pool elevation of 451.00-feet, mean sea level. The watershed for the Martin Family Lake encompasses 225-acres of undeveloped rural land with primary uses of woodlands and row crops. The lake has been designed from a base elevation of 432-feet to the top of the dam at 454.75-feet (National Geodetic Vertical Datum 1929). A topographic survey was completed at the proposed lake site with particular emphasis in the area of the proposed dam. The normal pool will be established at elevation 451.0-feet which would create an impoundment of approximately 133 acre-feet (Acre-feet is a unit of volume which describes the amount water within the proposed 21-acre lake at normal pool elevation).

The principle spillway was designed as two 6-foot diameter standpipes with each having a 36-inch diameter reinforced concrete outflow pipe. The emergency spillway was designed as a trapezoidal weir having a width of 50-feet, and will be set at 452.2-feet. The earthen dam embankment will be constructed with a 20-foot wide top, a 6:1 slope on the downstream side and a 3:1 slope of the upstream side. The downstream toe of the earthen dam as proposed will be approximately 168-feet north of the centerline of East Saddle Club Road at its nearest point. The height of the dam is to be 22.75-feet.

The proposed work includes grading and shaping the lake bottom, tree clearing and the construction of the earthen dam. The applicant will construct the dam utilizing clay soils, proper compaction and the placement of riprap to prevent scour and erosion.

The proposed lake would impact three unnamed tributaries of Atchison Creek from either the construction of the dam structure or inundation from the proposed lake. One stream has been delineated as intermittent (RPW) and the remaining two streams have been delineated as ephemeral (Non-RPW). Approximately 2,057-lineal feet of the intermittent stream and 675-lineal feet and 165-lineal feet of the ephemeral streams would be impacted by the project. Compensatory Mitigation for the impacts to the streams were assessed utilizing the Illinois Stream Mitigation Method (ISMM). A total of 11,211.77 debits were calculated using the Adverse Impact Worksheet within the ISMM.

The applicant is proposing permittee-responsible compensatory stream mitigation to offset the adverse impacts to the three streams within the project footprint. The proposed mitigation plan is designed to restore the channelized section of intermittent stream downstream of the project site, south of Saddle Club Road. The existing channelized portion of the stream is approximately 2,015-linear feet in length. The existing stream is a Rosgen G channel with little access to the adjacent floodplain. The proposed restoration of the channel would increase the length of the stream to approximately 2,075-linear feet. The goal is to create a new, meandering, Rosgen E channel with a small Newbury Riffle at the outlet end for stability. The proposed channel will be connected to the adjacent floodplain at the predicated 2-year discharge to allow for dissipation of excess energy on to the wooded floodplain in order to reduce the tractive force to allowable limits on the streambank. This site is located within the existing floodplain on hydric soils and will provide an excellent opportunity to restore a fully functioning stream of equal or greater value than the adverse impact caused by the construction of the Martin Family Lake. The new channel is proposed to be constructed either prior to or concurrently with the construction of the lake. The existing channelized stream with a narrow woody corridor will be left intact except for the two earthen "blocks" that will be placed in the existing channel to direct flow into the new meandering channel at the two locations where the new channel will intersect the existing channel in order to capture the flow from small tributaries entering from the right descending bank. The remaining portions of the existing channel will then become small lineal wetlands. In addition, the proposed riparian buffer to be established adjacent to the new channel will connect with the existing narrow woody corridor creating a woody corridor that will average 150-feet in total width. When the proposed compensatory mitigation plan is run through the ISMM worksheets it generates 12,740 credits, offsetting the 11,211.77 debits generated by the impacts associated with the lake construction. The stream mitigation site will be Deed Restricted in perpetuity.

LOCATION MAPS AND DRAWINGS: See Attachments 1, 2 and 3.

ADDITIONAL INFORMATION: Additional information may be obtained by contacting Tyson Zobrist, Project Manager, U.S. Army Corps of Engineers, at (314) 331-8578. Your inquiries may also be sent by electronic facsimile to (314) 331-8741 or by e-mail to Tyson.J.Zobrist@usace.army.mil.

AUTHORITY: This permit will be processed under Section 404 of the Clean Water Act (33 U.S.C. 1344).

WATER QUALITY CERTIFICATION: This public notice also provides documentation to 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-notices/. In the event that the IEPA is unable to publish the "Fact Sheet" corresponding to the timeframe of this Joint Public Notice, a separate public notice and "Fact Sheet" will be published by the IEPA at the web site identified above. 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

A copy of all written comments should also be provided to the Corps of Engineers. If you have any questions please contact the IEPA at (217) 782-3362.

SECTION 404 (b)(1) EVALUATION: The impact of the activity on the public interest will be evaluated in accordance with the Environmental Protection Agency guidelines pursuant to Section 404 (b)(1) of the Clean Water Act.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the applicant's proposal. Any request for a public hearing shall state, with particularity, the reason for the hearing, and must be based on issues that would warrant additional public review.

ENDANGERED SPECIES: The proposed project is within the range of the federally endangered Indiana bat (*Myotis sodalis*), the federally endangered piping plover (*Charadrius melodus*) and the federally threatened Northern long-eared Bat (*Myotis septentrionalis*). A preliminary determination, in compliance with the Endangered Species Act as amended, has been made that the proposed activities are not likely to adversely affect species designated as threatened or endangered, or adversely affect critical habitat. Therefore, no formal consultation request has been made to the United States Department of Interior, Fish and Wildlife Service. In order to complete our evaluation, comments are solicited from the Fish and Wildlife Service and other interested agencies and individuals through this Public Notice.

CULTURAL RESOURCES: The St. Louis District will evaluate information provided by the State Historic Preservation Officer and the public in response to this public notice and we may require a reconnaissance survey of the project area.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the described activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit that 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 activity described, will be considered including the cumulative effects. Among factors considered 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.

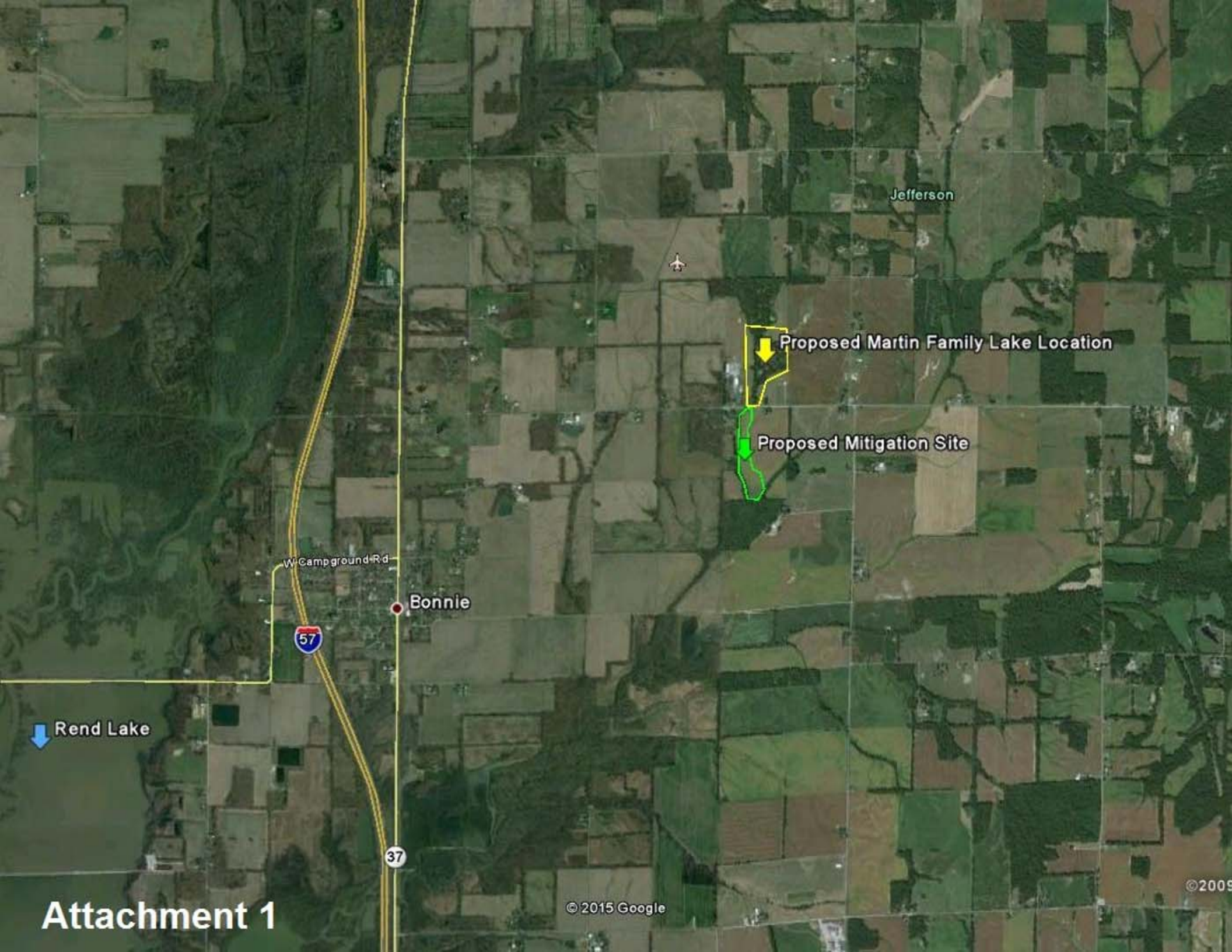
SOLICITATION OF COMMENTS: The U.S. Army Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of the proposed activity. Any comments received will be considered by the U.S. Army 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 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.


DANNY D. MCCLENDON
Chief, Regulatory Branch

Attachments

NOTICE TO POSTMASTERS:

It is requested that this notice be conspicuously and continually placed for 21 days from the date of this issuance of this notice.



Jefferson

Proposed Martin Family Lake Location

Proposed Mitigation Site

W Campground Rd

Bonnie

57

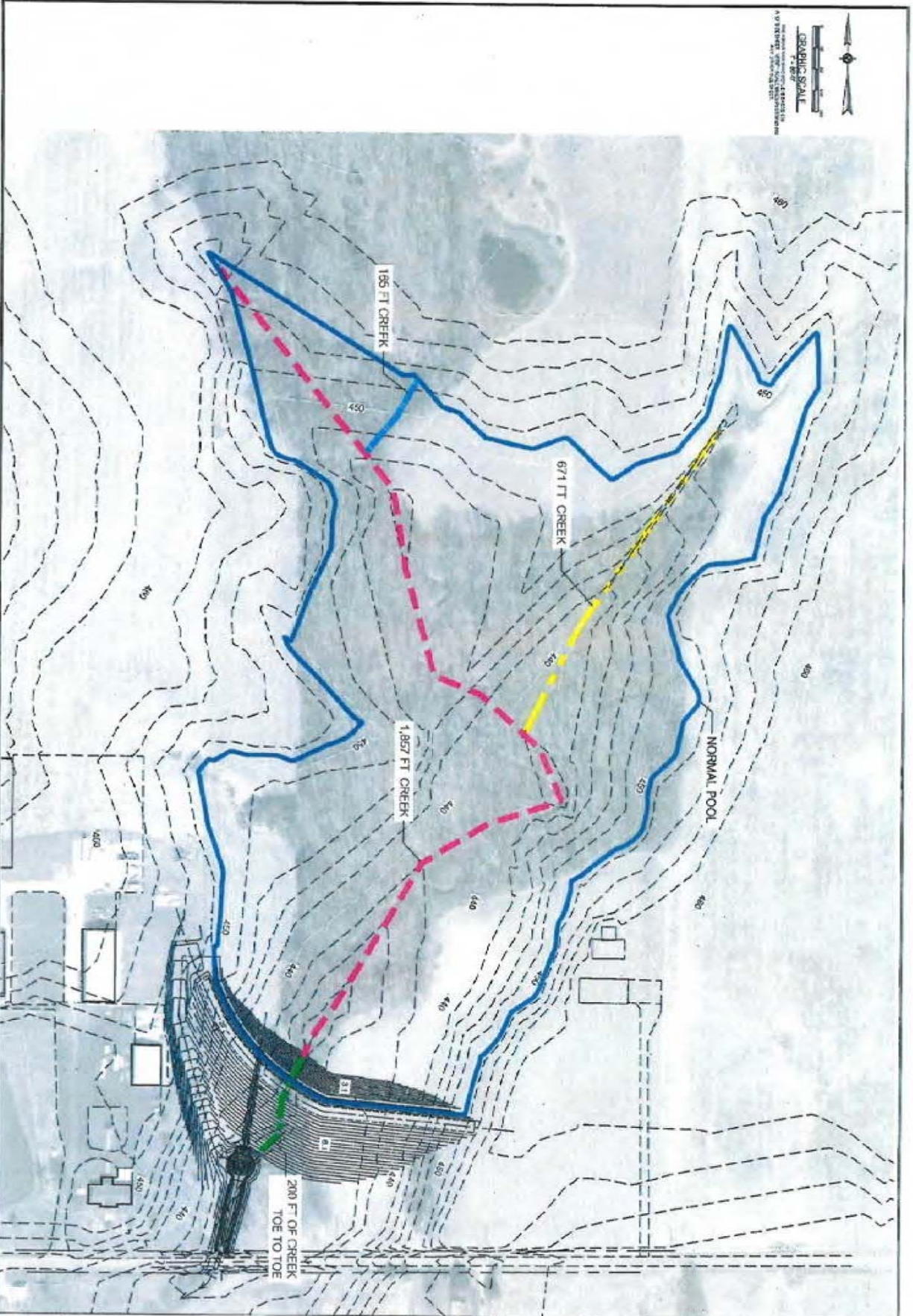
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Rend Lake

Attachment 1

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GRAPHIC SCALE
 1" = 100'
 1" = 200'
 1" = 400'

EX-1	JOB NAME: MART N FAMILY LAKE & DAM SEC 33 OF T3S, R3E, JEFFERSON CO., IL				DATE PLOTTED: 6/9/2015
	DRAWING TITLE: APPROXIMATE CHANNEL LENGTHS				
SHEET NO. 113	DATE BY: BJT	PROJECT: 1141020.DWG	LICENSED PROFESSIONAL ENGINEER IN THE STATE OF ILLINOIS		
DATE: 6/9/2015	APP. BY: DLK	DRAWING NUMBER: 1141020			

Round Table Design inc.
 Architecture . Engineering . Land Surveying
 1020 Main Street | Mt Vernon, IL | (618) 244-7819
www.round-table-design.com

Attachment 2

Proposed Mitigation for Martin Family Lake
Stream Remeander and Riparian Area
T4S, R3E, Sec. 4, Jefferson County, IL

