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-2699 Public Notice Date October 1, 2011 Expiration Date October 21, 2011

Postmaster Please Post Conspicuously Until:

File Number: MVS-2008-793

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: Matt Shively

APPLICANT: City of Wentzville, 200 Fourth Street, Wentzville, Missouri, (636) 327-5102.

LOCATION: The proposed project is located east of William Dierberg Drive, approximately 3,000 feet north-northeast of the intersection of Wentzville Parkway and Interstate 70, in Wentzville, Missouri. The project occurs in Township 47 North, Range 1 East, Section 24, Fifth Principal Meridian. The geographic coordinates of the site are 38.8174° North, -90.8705° West. Please see the location maps for additional information.

PROJECT DESCRIPTION: *A Public Notice for this project was previously issued by the St. Louis District on February 13, 2009. The project has since been modified; therefore, a new Public Notice is being released for review and comment. The current Public Notice supersedes the previous 2009 version.*

The applicant seeks authorization to construct an approximate 7-acre permanent pool detention lake at the project site. The detention facility is intended to reduce the potential for flooding of the downstream residential area located in the vicinity of Spring Meadow Drive. The applicant states that 9 homes in this area are at a high risk for flood damage from an unnamed intermittent tributary to McCoy Creek. Some of the homes have a history of flood damage. The construction of the detention

facility would collect stormwater runoff entering the unnamed tributary, and attenuate peak stormwater discharge entering the downstream reach. A large percentage of the drainage area is commercial development with a high percentage of impervious surface area. In conjunction with the detention lake construction, 1.18 acres of wetlands will be constructed. The lake and the wetlands will augment learning opportunities for the adjacent Wentzville High School.

The project site contains two unnamed jurisdictional tributaries to Dry Branch Creek. Dry Branch Creek is a tributary to McCoy Creek, which flows to the Cuivre River. The Cuivre River is a primary tributary to the Mississippi River, a traditional navigable waterbody.

The larger of the two channels generally exhibits the geomorphologic characteristics of an intermittent channel, it is classified as such in the permit application. However, the channel has been observed to provide habitat for benthic macroinvertebrates, including higher-quality species such as stoneflies (Plecoptera). Small fish have also been infrequently observed. As the tributary is situated higher in the watershed and is relatively small in size, the tributary is not believed to be a major source of fish habitat. Construction of an impoundment structure (dam) will result in 290 linear feet of impacts to the intermittent tributary from the placement of fill. An additional 1,090 linear feet of the intermittent tributary would incur secondary impacts from permanent inundation.

The smaller of the two channels is an ephemeral tributary. The ephemeral tributary formerly drained agricultural areas west of the project site, which have since been developed. The tributary now originates at the eastern edge of the commercial development. The tributary is marginally jurisdictional at its upper end, but increases in dimension and apparent function as it approaches the intermittent tributary. For the purpose of this project, the District is only considering those impacts in the lower portion of the ephemeral tributary, whose functions appear to contribute to the Dry Creek/McCoy Creek watershed. These impacts total approximately 375 linear feet from the start of the permit impact area to the ephemeral tributary's confluence with the intermittent tributary. Construction of the dam will result in 180 linear feet of impacts to the ephemeral tributary from the placement of fill, with an additional 195 linear feet of secondary impacts from permanent inundation.

Three wetlands (identified as Wetlands 1,2,3) totaling 0.14 acres have been identified in the project area. Only Wetland 1 will be impacted by the project. Wetland 1 is forested wetland dominated by reed canary grass and willow, totalling approximately 0.01 acre.

The regional detention lake project is a second phase of an overall stormwater management plan for the drainage area. Phase I included 800 linear feet of channel modifications and improvements to the downstream tributary, within the residential subdivision. The channel improvements primarily consisted of floodway expansion; bank stabilization and revegetation; bed grade control; and riparian corridor restoration through installation of native grasses and trees. Phase I was authorized by the USACE on June 29, 2005 (P-2469, USACE File No. MVS-2004-8610). The City of Wentzville has described that a regional detention facility has been part of the city's overall plan for the area, from the time the area was proposed for commercial development.

The detention lake was initially proposed for Section 404 permit consideration in 2008. As the plans have been revised in the interim, the extent of impacts has also changed. Total impacts to the intermittent and ephemeral tributaries have increased from 1,350 LF to 1,755 LF. However, the applicant has incorporated some avoidance and minimization measures into the revised plans. The footprint of the lake has been sited approximately 500 linear feet upstream, avoiding 0.13 acres of wetlands. The revised plans also include the construction of approximately 1.18 acres of wetlands, which will provide compensatory mitigation for wetland impacts. The applicant thoroughly

investigated a number of site-specific stream mitigation alternatives within the watershed. The site-specific alternatives have been determined to be impracticable. Therefore, the applicant proposes to purchase 6,679 stream mitigation credits as compensatory mitigation for 1,755 linear feet of tributary impacts.

LOCATION MAPS AND DRAWINGS: See attached.

ADDITIONAL INFORMATION: Additional information may be obtained by contacting Matt Shively, Project Manager, U.S. Army Corps of Engineers, at (314) 331-8632. Your inquiries may also be sent by electronic facsimile to (314) 331-8741 or by e-mail to matt.s.shively@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: 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 is requested as of the date of this Public Notice, and 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, Post Office Box 176, Jefferson City, Missouri 65102-0176, with a copy provided to the Corps of Engineers.

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: A preliminary determination, in compliance with the Endangered Species Act, as amended, has been made that the work that is proposed would not 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 (SHPO) and the public in response to this public notice. Based upon the comments received concerning the potential for cultural resources within the project site, the District may require a reconnaissance survey of the project area or additional cultural resources preservation measures in compliance with Section 106 of the National Historic Preservation Act.

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.

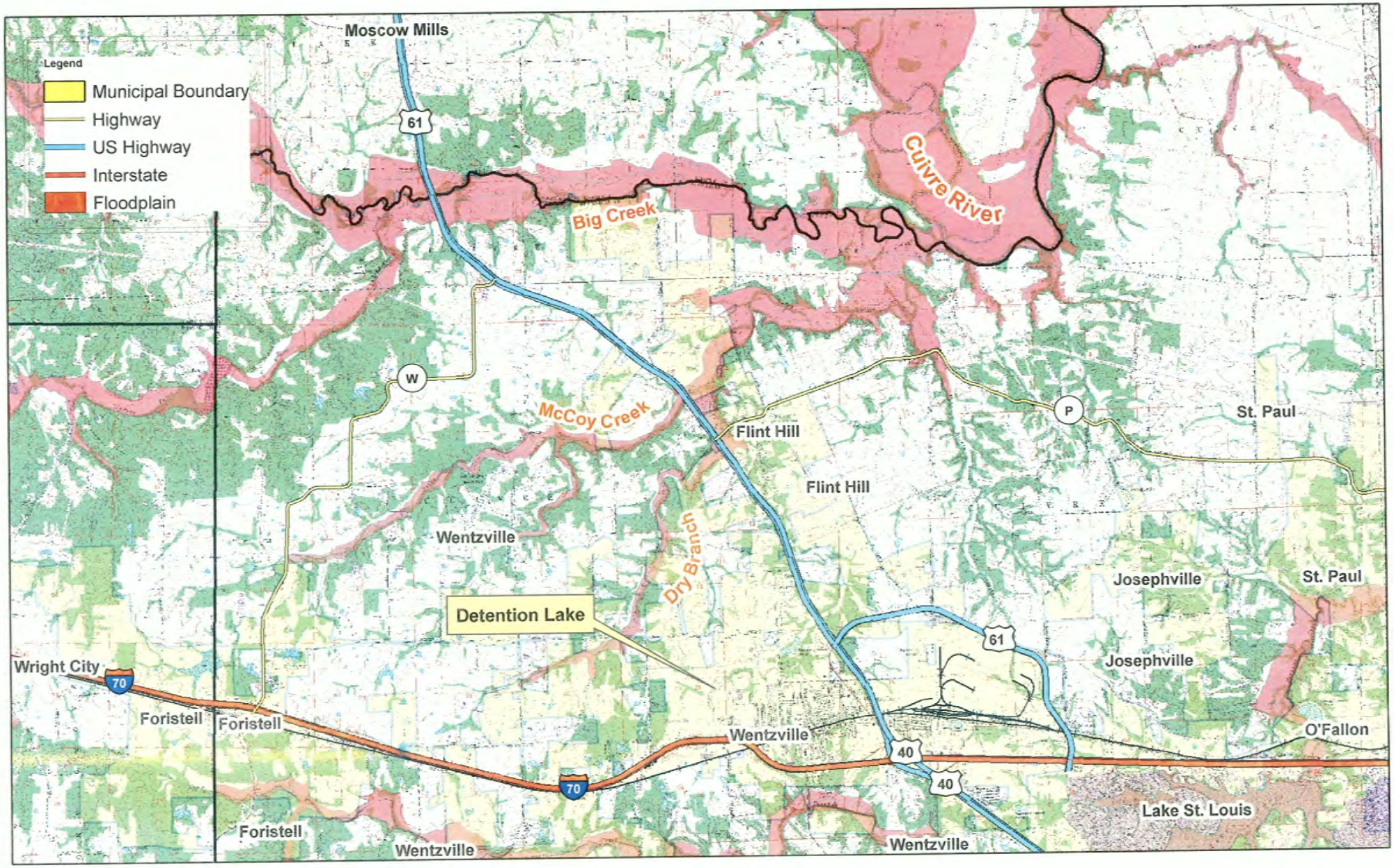
Danny D. McClendon

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.



Wentzville Regional Detention Lake MVS-2008-793

USGS Vicinity Map / Floodplain

Wentzville, St. Charles County, Missouri

N

0 4,750 9,500 19,000 Feet

US Army Corps of Engineers ®
St Louis District

Wentzville Regional Detention Lake MVS-2008-793

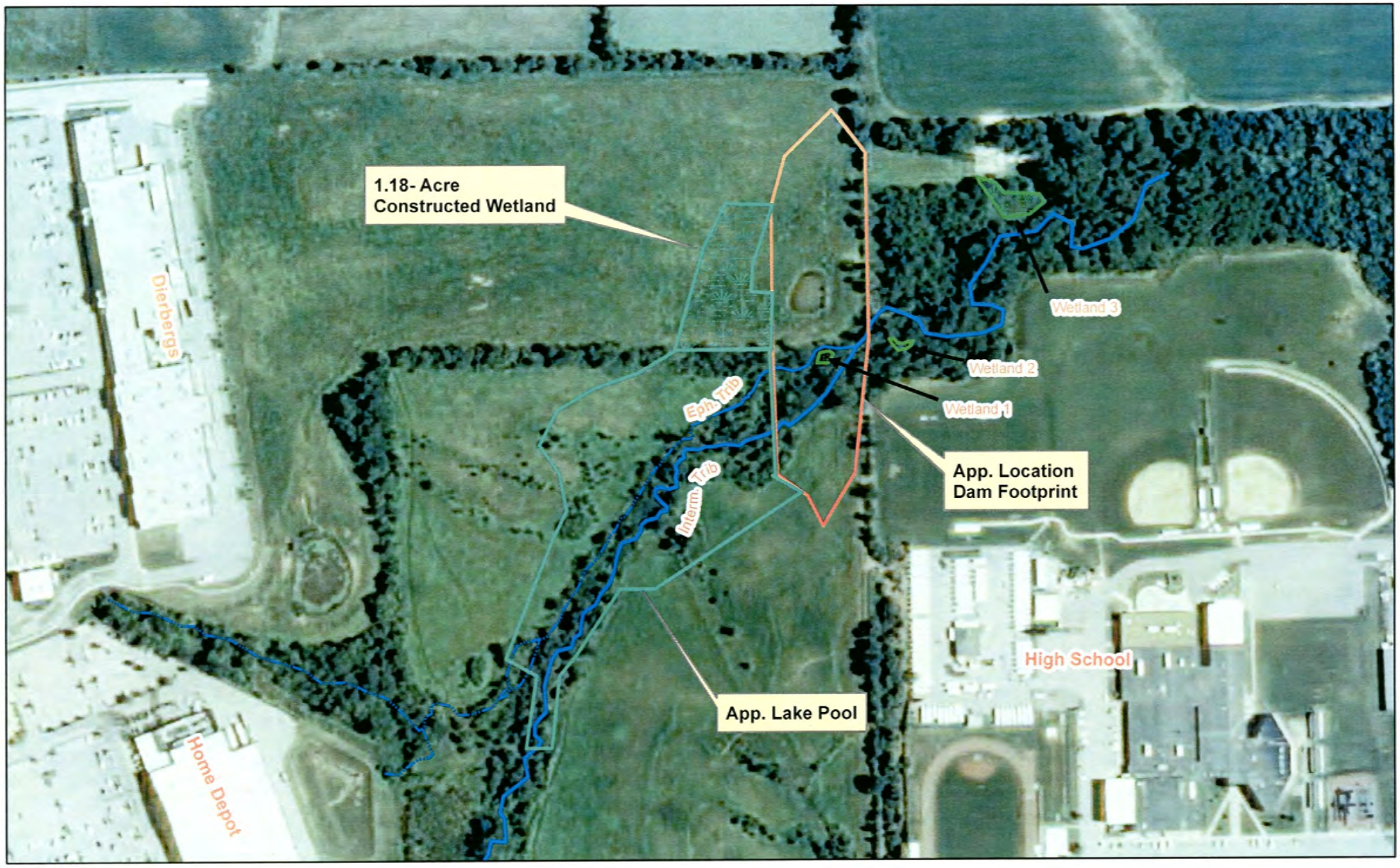
2010 Aerial Location Map

Wentzville, St. Charles County, Missouri

N

0 1,125 2,250 4,500 Feet

US Army Corps of Engineers ®
St Louis District



Wentzville Regional Detention Lake MVS-2008-793

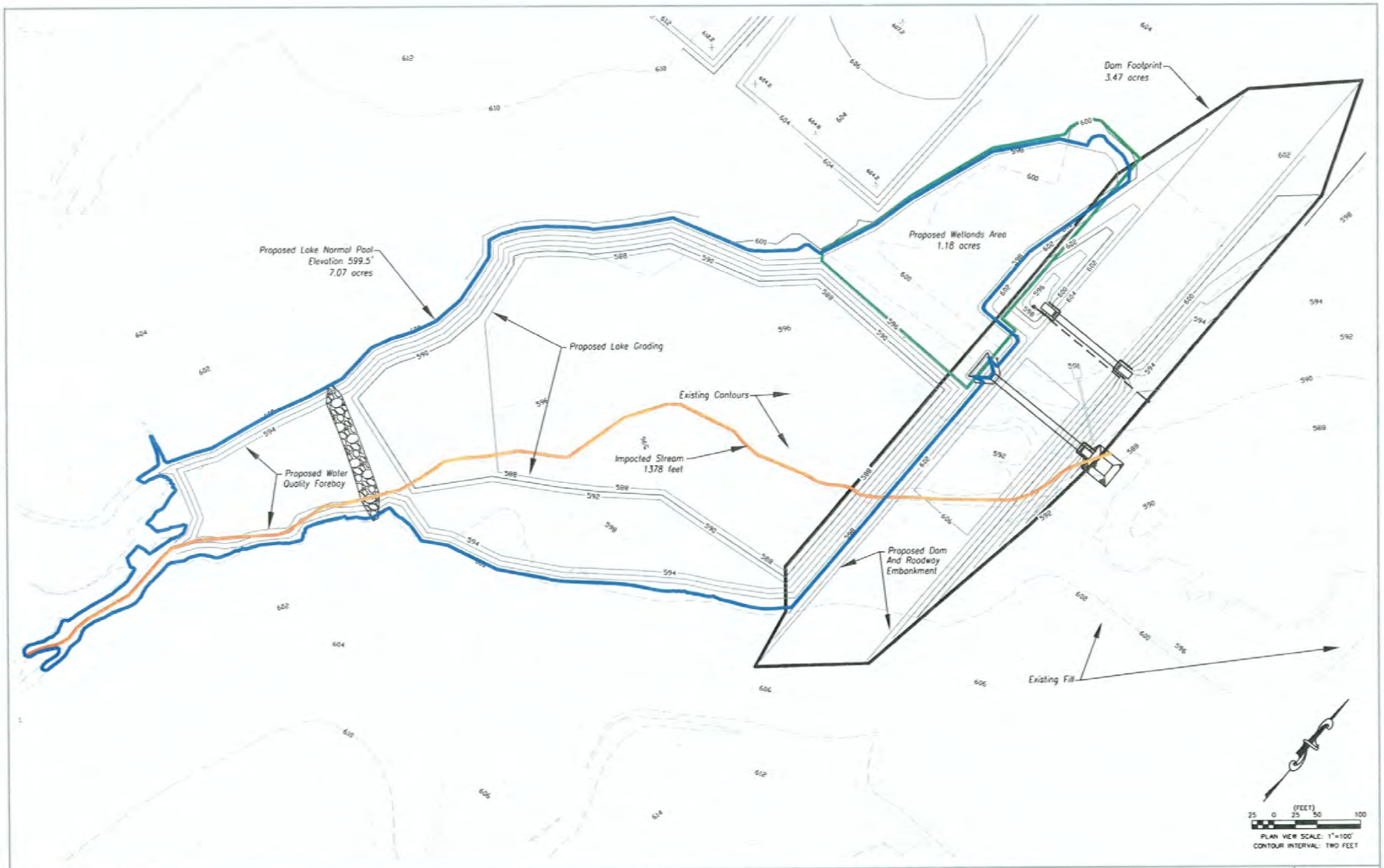
2010 Aerial / Project Details

Wentzville, St. Charles County, Missouri

N

0 212.5 425 850 Feet

US Army Corps of Engineers ®
St Louis District



ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS · HYDROLOGISTS · SURVEYORS
112 W. 8th ST. ROLLA, MISSOURI 65401 (573) 341-0487

404 PERMIT - DETENTION PLAN
Wentzville Regional Detention Lake
City of Wentzville, MO

Detention 2013_404 only.dwg

9-1-2011

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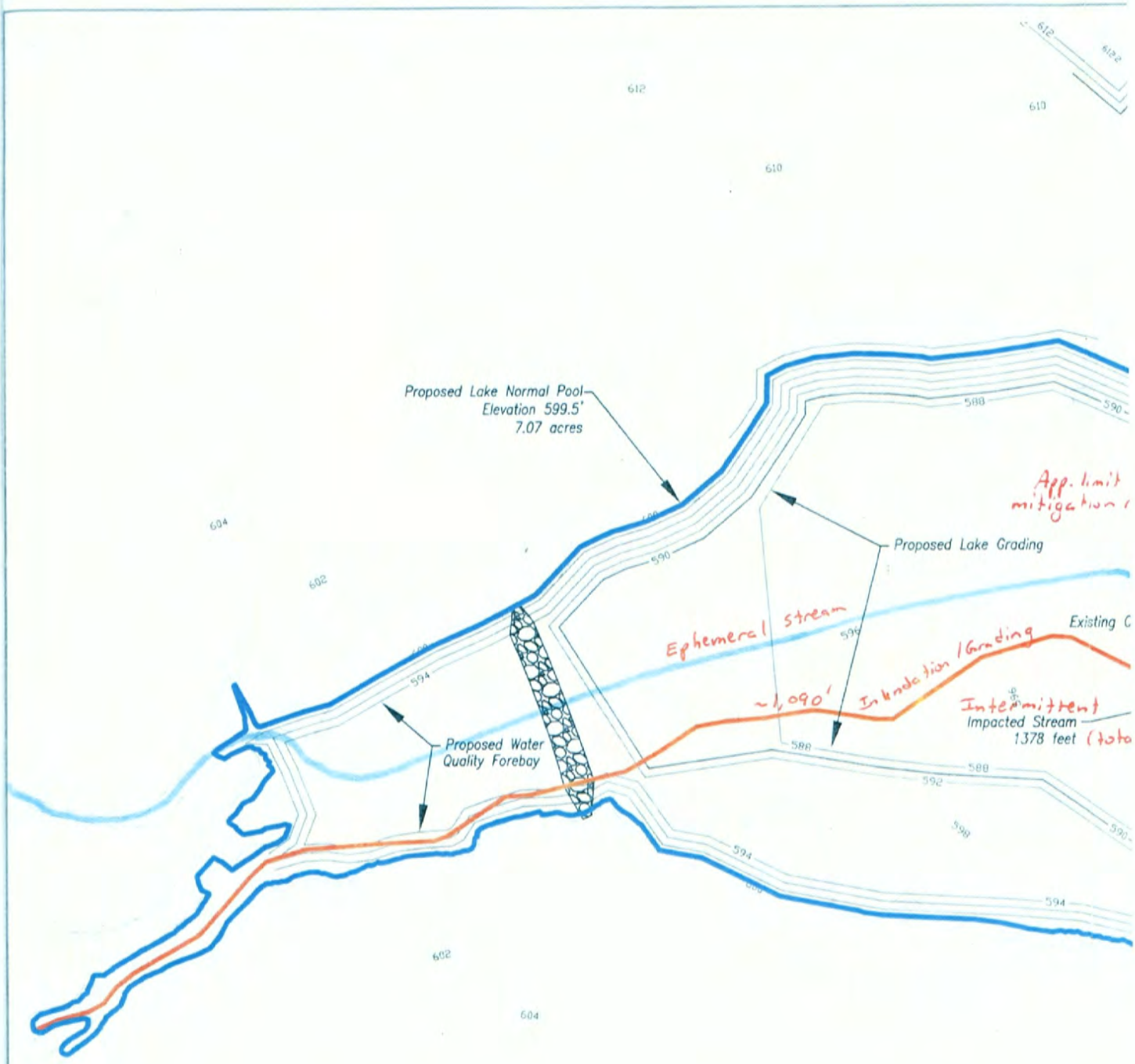

ALLGEIER, MARTIN and ASSOCIATES, INC.

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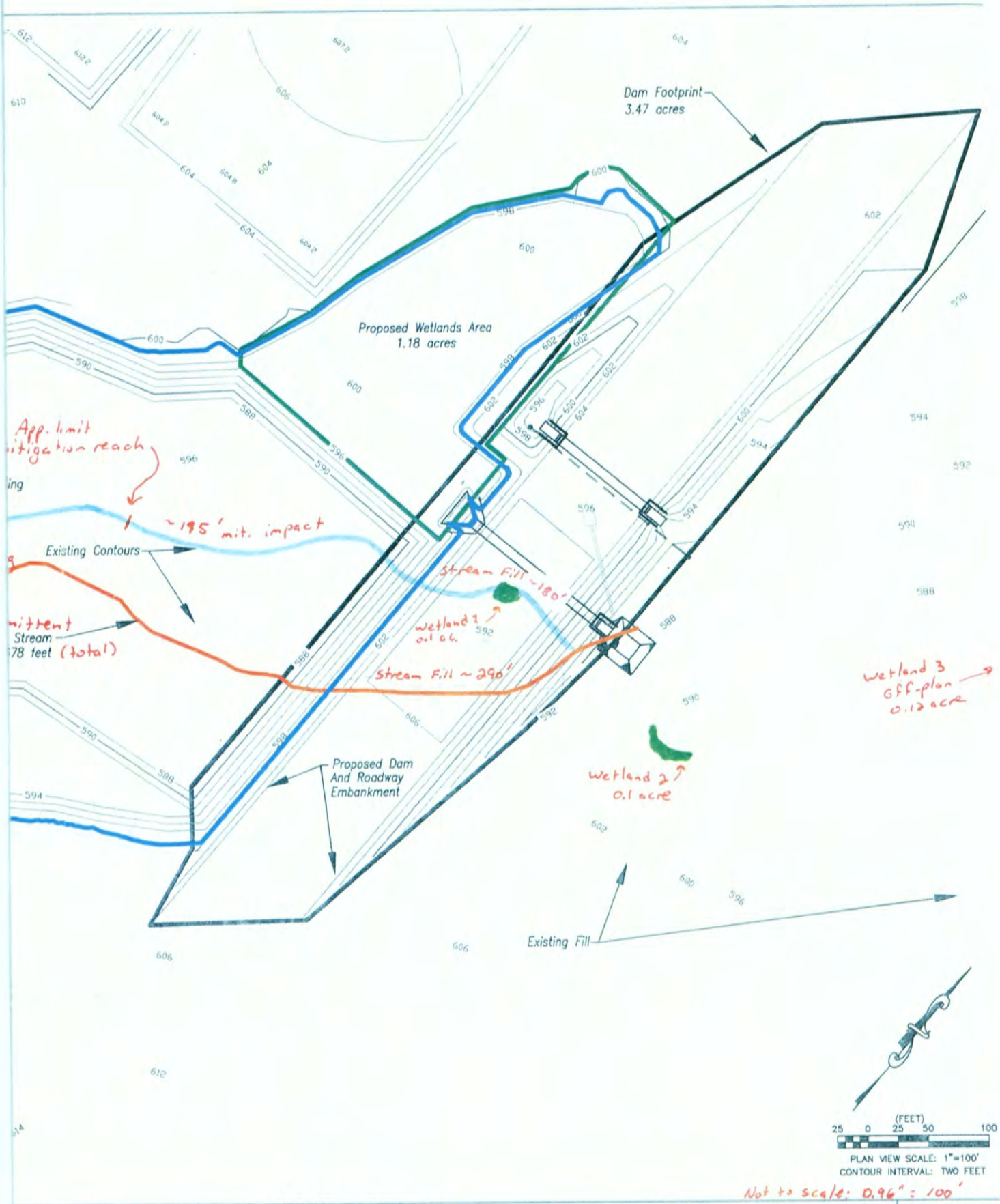
Detention 2010 404 only.dwg



(FEET)
25 0 25 50 100

PLAN VIEW SCALE: 1"=100'
CONTOUR INTERVAL: TWO FEET

Not to scale: 0.96" : 100'

	sms	404 PERMIT - DETENTION PLAN
	gsw	Wentzville Regional Detention Lake
	gsw	
only.dwg	9-1-2011	City of Wentzville, MO

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OUR PUBLIC NOTICES ARE NOW AVAILABLE ON THE WORLD WIDE WEB AT OUR ST. LOUIS DISTRICT HOME PAGE (http://www.mvs.usace.army.mil/ConOps/permits/pn.htm). If you have any trouble, please call Danny McClendon at (314) 331-8574 or by e-mail to: Danny.D.McClendon@usace.army.mil

WE ARE ATTEMPTING TO REDUCE OUR PUBLIC NOTICE MAILING COSTS; CHECK OUR WEB PAGE THEN CONTACT US TO HAVE YOUR NAMED REMOVED FROM OUR MAILING LIST, please call Jaynie Doerr at (314) 331-8581, or by email to: Jaynie.G.Doerr@usace.army.mil, or mail this cover-sheet to the St. Louis District, OD-F, 1222 Spruce Street, St. Louis, MO 63103-2833, ATTN: Regulatory Branch, indicating that your name or company named be removed. Changes to our mailing list may take a few weeks to take effect.

US ARMY ENGINEER DISTRICT, ST. LOUIS
ATTN: CEMVS-OD-F
1222 SPRUCE STREET
ST. LOUIS, MISSOURI 63103-2833