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-2776
Public Notice Date
January 10, 2011
Expiration Date
January 31, 2011

Postmaster Please Post Conspicuously Until:

File Number: MVS-2010-647

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 Frontenac, 10555 Clayton Road, Frontenac, Missouri, 63131(314) 994-0646.

LOCATION: The proposed project is generally located approximately 850 feet southwest of the intersection of Spoede Road and Oak Gate Crossing, in the City of Frontenac, Missouri. The project occurs in the northwestern quarter-section of Township 45 North, Range 5 East, Section 13, Fifth Principal Meridian, St. Louis County, Missouri. The approximate geographic coordinates of the upstream and downstream terminations of the project corridor are 38.645443° North, -90.412394° West and 38.644142° North, -90.412838° West (respectively). The project corridor includes an unnamed, perennial tributary to Deer Creek. The tributary is known locally as Monsanto Sunswept Creek. The downstream end of the project includes Deer Creek, at the confluence of Monsanto Sunswept Creek. Deer Creek is a secondary tributary to the Mississippi River.

PROJECT DESCRIPTION: **The applicant seeks authorization to conduct approximately 500 linear feet of channel modification, for stormwater management**. The modifications generally consist of widening of the channel bottom, as well as bank reconstruction, armoring, and revegetation. The purpose of the proposed project is to alleviate residential flooding. **As part of the project, approximately 100 linear feet of the left-descending bank of Deer Creek will be stabilized**. The stabilization area is located immediately upstream of the confluence of Monsanto

Sunswept Creek. The stabilization is proposed to correct severe bank scour at this location. The scour is damaging residential property.

In general, the purpose of the project is to expand the size of Monsanto Sunswept Creek within the project reach. By expanding the size of the creek (cross-sectional dimensions), the creek channel will have a greater ability to convey stormwater runoff. Flooding of adjacent residential properties will thereby be minimized.

The project will expand the bottom of Monsanto Sunswept Creek from approximately 15 feet to 35 feet. The expanded channel bottom will feature a low-flow channel that meanders between the reconstructed channel banks. The reconstructed banks of the creek will primarily be stabilized using a combination of stone toe protection, turf reinforcement matting, and vegetation. A portion of the banks will be reconstructed using gabion baskets. The gabion banks will span approximately 135 linear feet of the left-descending bank, and 70 linear feet of the right-descending bank. Both dimensions include upstream and downstream tie-ins constructed from heavy stone revetment. The gabion baskets will be vegetated by incorporating topsoil and live pole plantings. An additional 50 feet of the left-descending bank will be stabilized using a block wall. Utilization of the block will allow preservation of mature trees near the top-of-bank at this location. Some replanting of trees will be performed in areas where clearing of existing trees is required. The scour hole on Deer Creek will be stabilized using approximately 100 linear feet of heavy stone revetment.

The District conducted a site visit on November 2, 2010. The existing project reach is moderately to severely degraded. The bed substrate contains noticeable quantities of brick, broken asphalt, and other debris. The banks have been extensively modified. The modifications include heavy stone revetment, grouted stone, and existing gabion baskets. Around one-half of the project reach is estimated to have existing bank manipulation. The riparian corridor is typical of urban conditions. Where trees exist, the trees have generally been reduced to a single row along the top-of-bank. In some places, mown residential yard extends to the top-of-bank. Bush honeysuckle is pervasive throughout the banks and top-of-bank areas. Benthic macro-invertebrates were observed within the channel substrate. The invertebrates did not include species indicative of high-quality habitat, such as EPT taxa. However, the presence of benthic invertebrates does indicate that the stream has perennial flow and provides aquatic habitat at some level.

The Applicant will submit a detailed Analysis of Alternatives for the project. The Analysis of Alternatives will describe the avoidance and minimization measures considered for the project, as well as economic, environmental, engineering, and civic justifications for the proposed impacts. At this time, the District is considering waiving mitigation requirements for this project. The District is making this consideration based on the existing condition of the project reach; as well as the components for aquatic habitat and stream function that have been included in the project. These components include in-stream riffles and low-flow meanders, as well as bank revegetation. The District will also consider comments submitted by interested parties regarding mitigation requirements.

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.

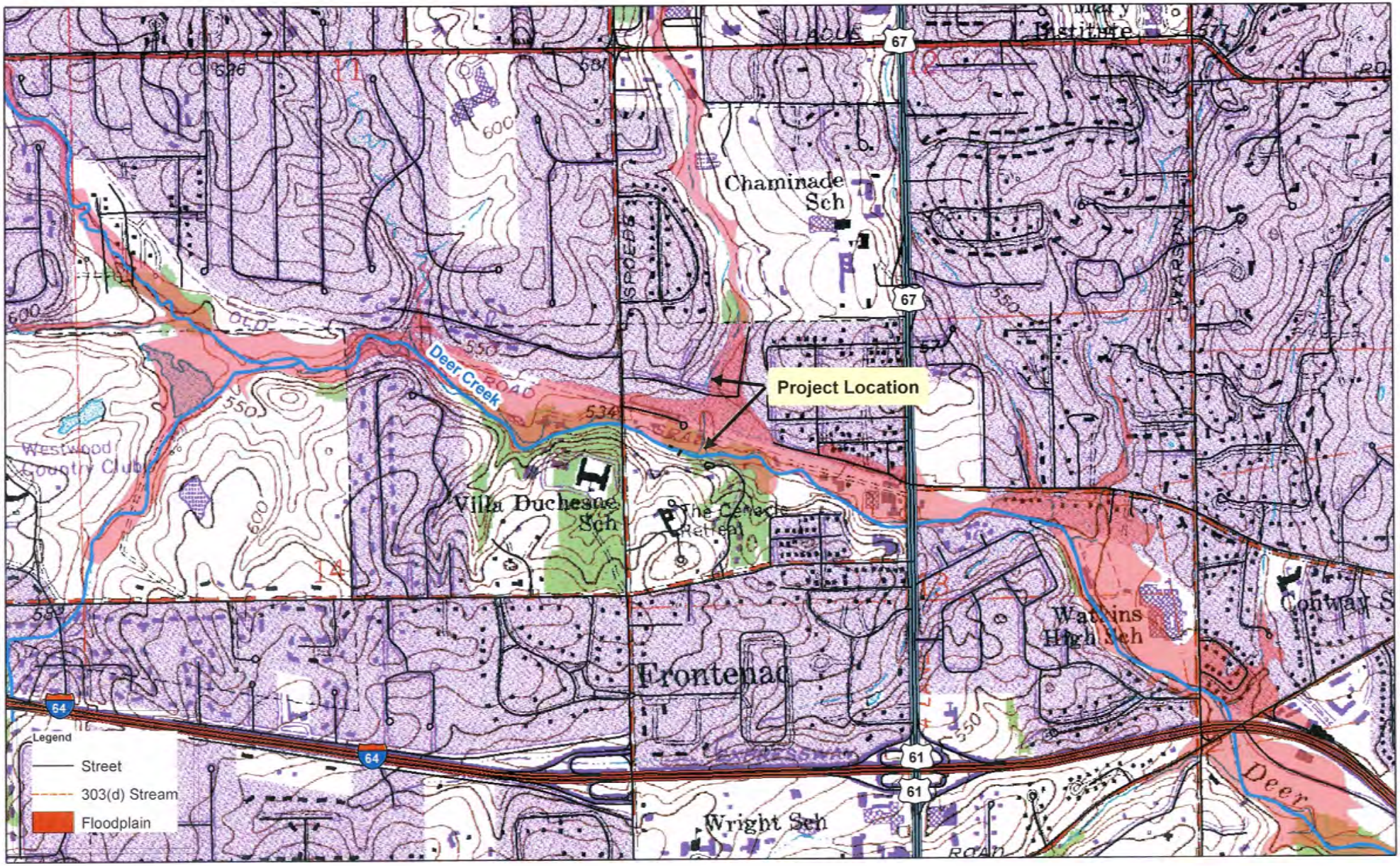
Robert A. Frank

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.



Oak Gate Crossing MVS-2010-647 (P-2776)

USGS Topo, Floodplain Map

Frontenac, St. Louis County, Missouri

US Army Corps of Engineers ®
St Louis District

Attachment X of X

Oak Gate Crossing MVS-2010-647 (P-2776)

2007 Aerial, NWI Map

Frontenac, St. Louis County, Missouri

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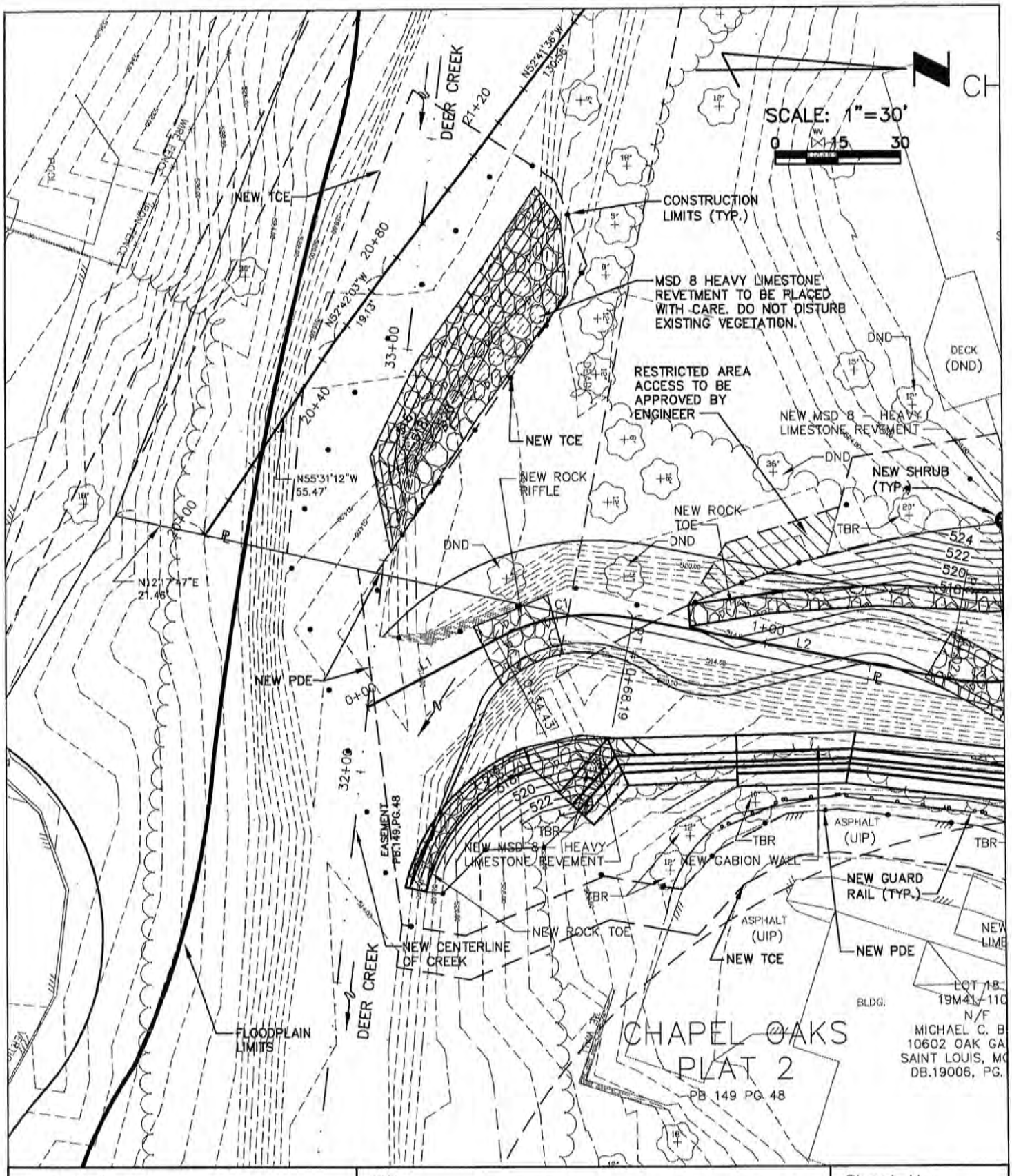
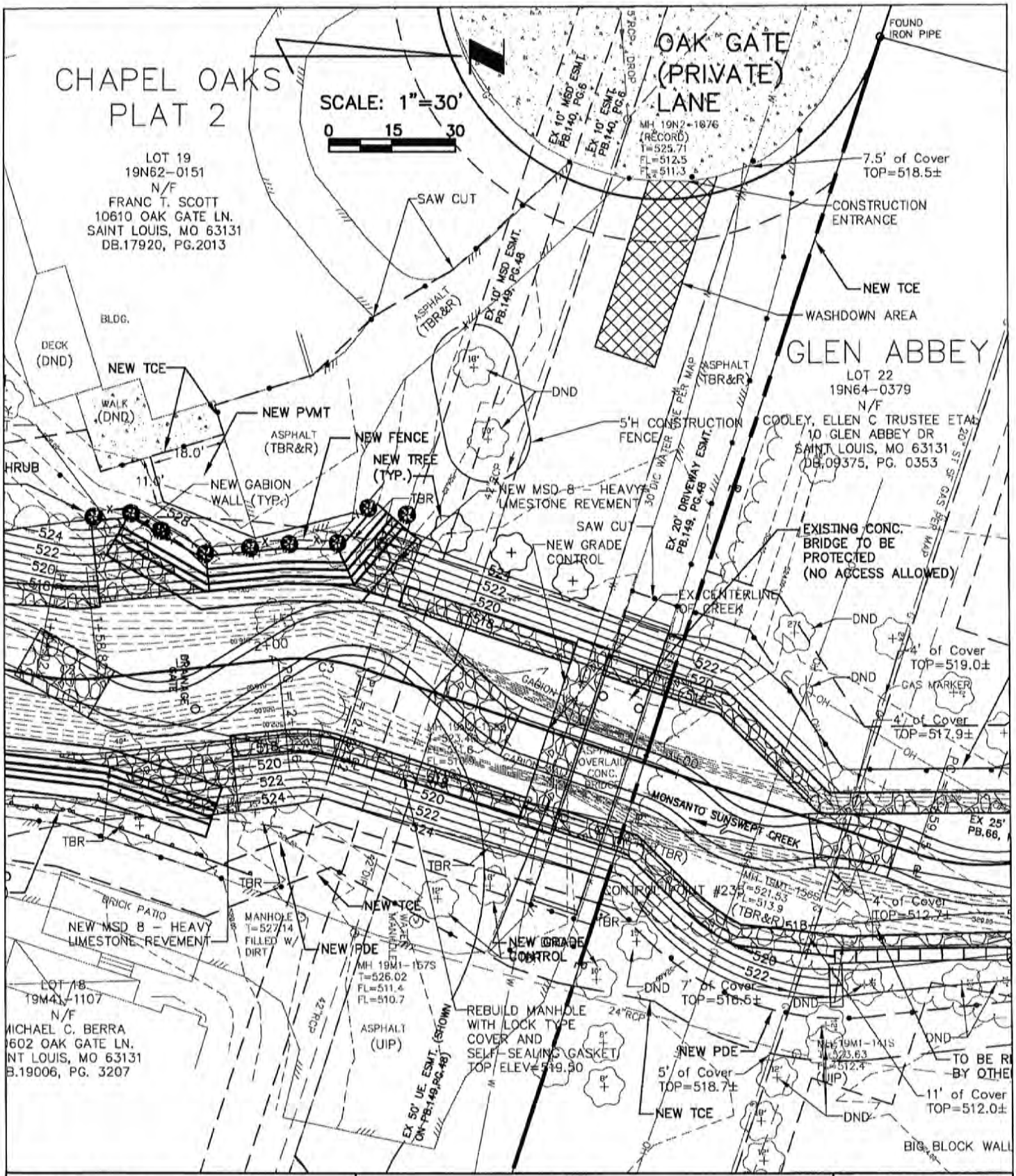
0 87.5 175 350 Feet

US Army Corps of Engineers ®
St Louis District

Attachment X of X



EDM Incorporated Engineers & Architects 220 Mansion House Center St. Louis, Missouri 63102 (314) 231-5485 Fax: (314) 231-8167 edm@edm-inc.com	Title OAK GATE CROSSING CREEK BANK STABILIATION			Sheet No. 1
	Job No. 07151.00	Date 12/13/10	By EDB	Reference No.



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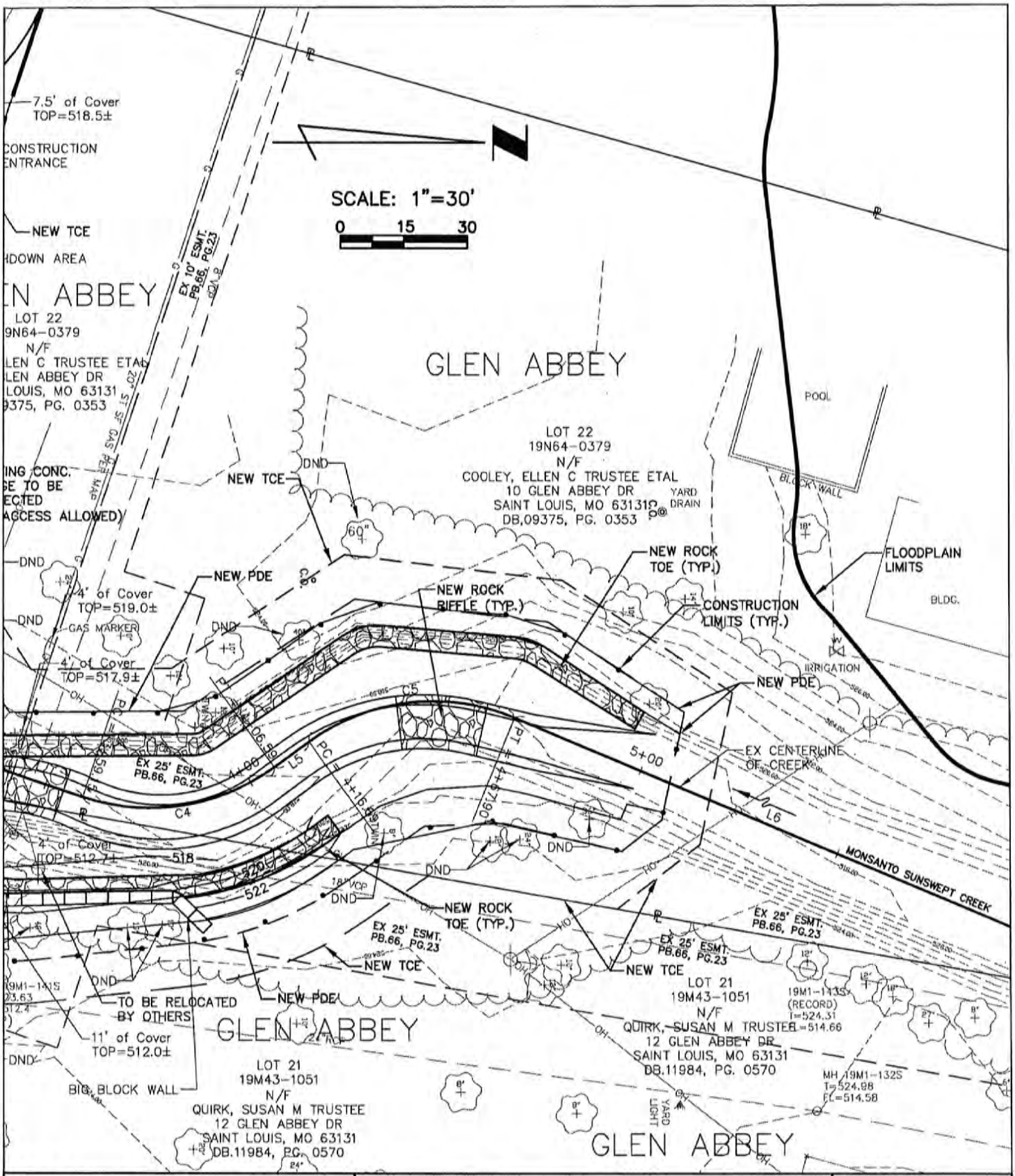
	Job No. 07151.00	Date 12/13/10	By EDB	Reference No.



EDM Incorporated
Engineers & Architects
220 Mansion House Center
St. Louis, Missouri 63102
(314) 231-5485 Fax: (314) 231-8167
edm@edm-inc.com

Title
OAK GATE CROSSING
CREEK BANK STABILIATION

Sheet No. 3

Reference No.

Job No.	Date	By
07151.00	12/13/10	EDB