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# Public Notice

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**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**

**Public Notice No.  
P-2510  
Public Notice Date  
December 27, 2005  
Expiration Date  
January 17, 2006**

**Postmaster Please Post Conspicuously Until:**

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File Number: 2005-45299

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. If you are a landowner along the proposed project, you may need to contact the City of St. Charles or their agent for specific details on impacts to your property. 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: Rob Gramke

**APPLICANT:** City of St. Charles, 200 Forth Second Street, St. Charles, Missouri 63132 636-949-3514.

**AGENT:** Mr. Paul Reitz, Reitz & Jens, Inc. 1055 Corporate Square Drive. St. Louis, Missouri 63132 314-993-4132.

**LOCATION:** The project area is located near the intersection of Elm Street and Interstate 370 between Hunters Ridge Road and Nantucket Road. More specifically it is located at Latitude 38.80542117 and Longitude -90.51097956, in St. Charles, St. Charles County, Missouri.

**PROJECT DESCRIPTION:** The applicant seeks authorization to construct Bank Stabilization and enhancement of approximately 3100 linear feet of the East Branch of Cole Creek. According to the applicant, the existing creek bank is experiencing erosion and instability caused by channel migration in erodible silt banks. Proposed stabilization methods include a combination of bio-stabilization and structural methods that will include approximately: 10,000 cubic yards (CY) of soil excavation; 8,500 CY of soil placement in the existing channel; 7,800 square yards (SY) of Turf Reinforced Mattress (TRM) with tree plantings; 2,600 (SY) of TRM planted with grasses; 4,000 CY of rock riprap and soil placed in the channel bottom and banks; two road culvert extensions; twelve storm sewer outfall

replacements; 5,500 square feet (SF) of vertical modular block wall construction; and 330 CY of cast-in-place vertical concrete wall construction.

The existing channel varies from 4 to 27 feet deep with a wooded overbank area in a residential subdivision. The primary purpose of the project is the residents concern for ongoing erosion and bank failure that may threaten their property. Several homes are close to the top of the existing channel. The bank appears to be near vertical in some areas and relatively stable in other areas. Investigation of the on-site soils by the Applicant's Consultant dictates that the slope should be a maximum two feet horizontal for every one foot of vertical bank slope (2H:1V). In areas where a 2H:1V slope does not exist along the creek, the channel will be filled to achieve the proper slope or the bank will be cut to achieve the proper slope. This project includes substantial grading and clearing of the existing banks and riparian corridor, in order to achieve the proper slope. The trees that are removed will be replaced with approximately 4ft to 8ft tall RPM nursery trees. The applicant has researched alternatives, other designs, and smaller projects, but the applicant maintains that the proposed comprehensive method is the best approach to solving their slope instability problems. Considering the existing conditions of the site, that the project is maintaining an open channel in its existing location, and the associated planting plan, the applicant has not offered compensatory mitigation at this time. East Branch of Cole Creek flows into Cole Creek, which is a tributary to Dardenne Creek, a tributary to the Mississippi River.

**LOCATION MAPS AND DRAWINGS:** The project plans may be viewed in color and in more detail by visiting the Public Notice section of our website at <http://www.mvs.usace.army.mil/permits/>. If you need to see better drawings or have questions in regards to a certain area of the project, please contact the City of St. Charles or their agent.

**ADDITIONAL INFORMATION:** Additional information may be obtained by contacting Rob Gramke, Project Manager, U.S. Army Corps of Engineers, at (314) 331-8187. Your inquiries may also be sent by electronic facsimile to (314) 331-8741 or by e-mail to [robert.gramke@mvs02.usace.army.mil](mailto:robert.gramke@mvs02.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 Pollution Control 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 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.

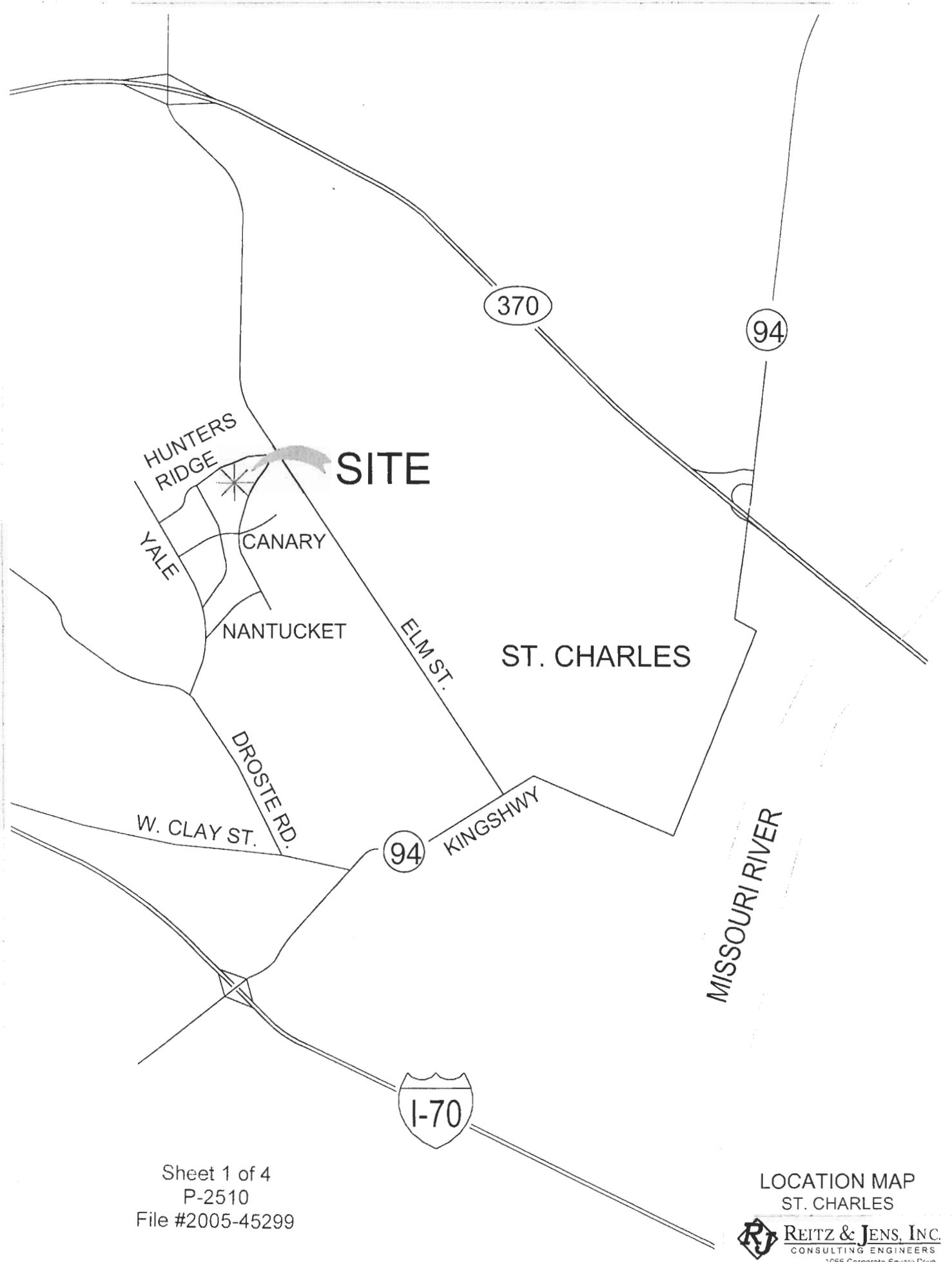
**SOLICITATION OF COMMENTS:** The U.S. Army Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of the proposed activity. Any comments received will be considered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



Sheet 1 of 4  
P-2510  
File #2005-45299

LOCATION MAP  
ST. CHARLES

 **REITZ & JENS, INC.**  
CONSULTING ENGINEERS  
1055 Corporate Square Drive  
St. Louis, Missouri 63132

SHEET N OF NN



28+00  
28+16

SAN MH  
TOP=466.54  
ELEV=452.9

1 1/2" PE PIPE  
CROSSING CREEK BED  
UNKNOWN UTILITY

12" VCP(R) SAN

POOL EQUIPMENT  
(NO EL)

ABOVE GRD  
POOL

PEACHEE TIMOTHY H & DEBRA S  
133 HUNTERS RIDGE DR

WOOD FENCE

HOUSE

CONC DRIVE

STACKED STONE WALL

SBM EL 473.41  
SMT COR TELL PAD

TELEPHONE  
BOX ON  
CONC

CONCRETE WAL

EL METER  
(UGEL)

GAS  
METER

HOUSE

WOOD PLANTER

SCHAUB, GARY L & JANET M  
129 HUNTERS RIDGE DR

480

HU

WATER MAIN PER ST

0 10 20  
SCALE FEET



DCI  
TOP=472.51  
ELEV=466.34  
ELEV=467.00  
ELEV=465.50

SAN MH  
TOP=475.97

SAN MH  
TOP=475.13  
ELEV=453.3

GAS PANT(R)

CONCRETE WALK

IRON PIPE FOUND

ASPHALT  
PAVEMENT  
W/DRIVE  
GUTTERS

8" (R) SAN

8" CMP

SHEET  
2 OF 13

EAST BRANCH  
COLE CREEK  
FIGURE P2

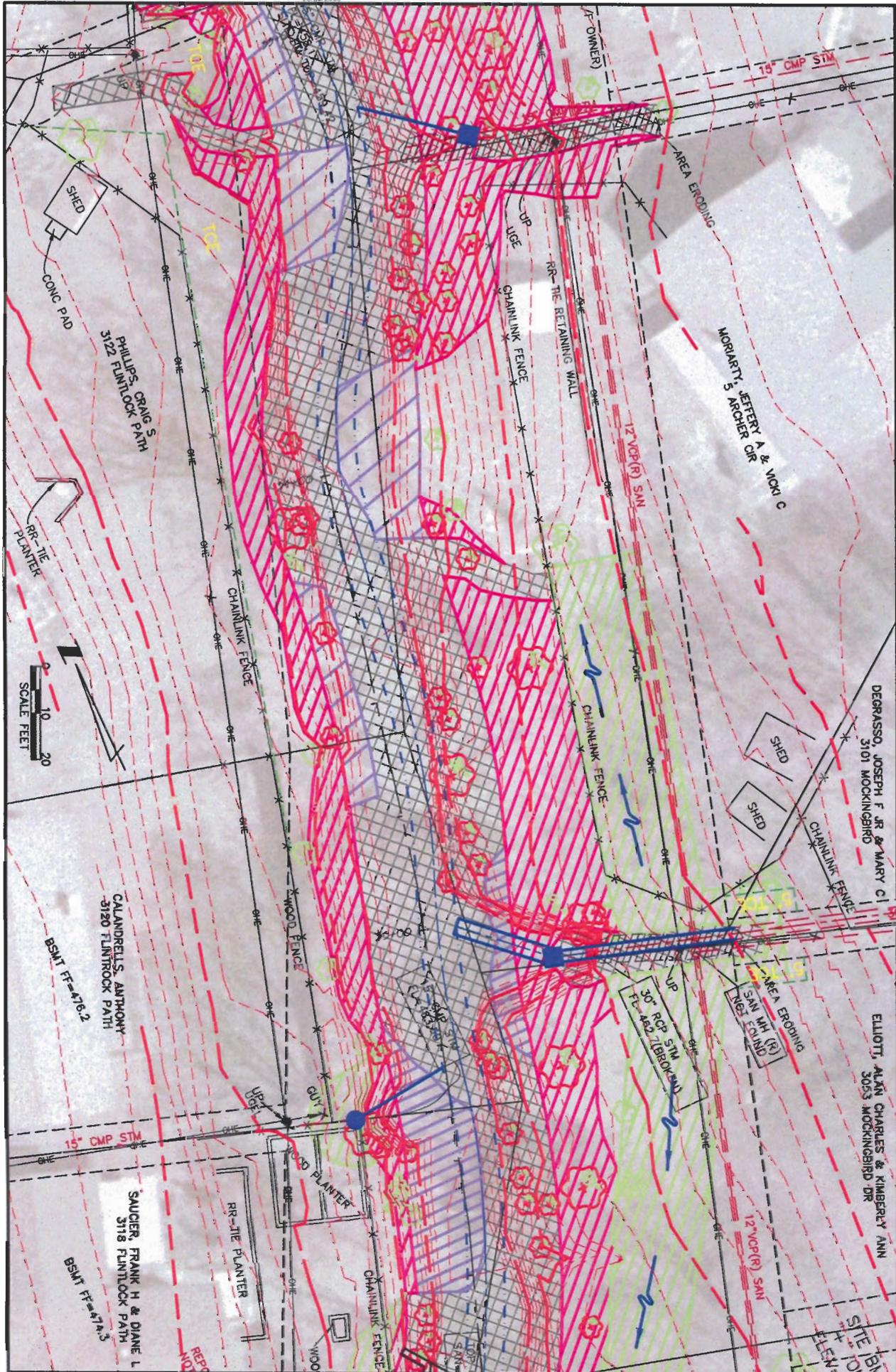
CITY OF ST. CHARLES  
200 N. 2nd STREET  
ST. CHARLES, MO 63301

Designed: J.W.J. Checked: P.H.R.  
Drawn: J.W.J. Issue: 02/29/2005



REITZ & JENS, INC.  
CONSULTING ENGINEERS  
1055 CORPORATE CENTER DRIVE  
ST. LOUIS, MISSOURI 63102  
(314) 995-4132





SHEET  
4 OF 13

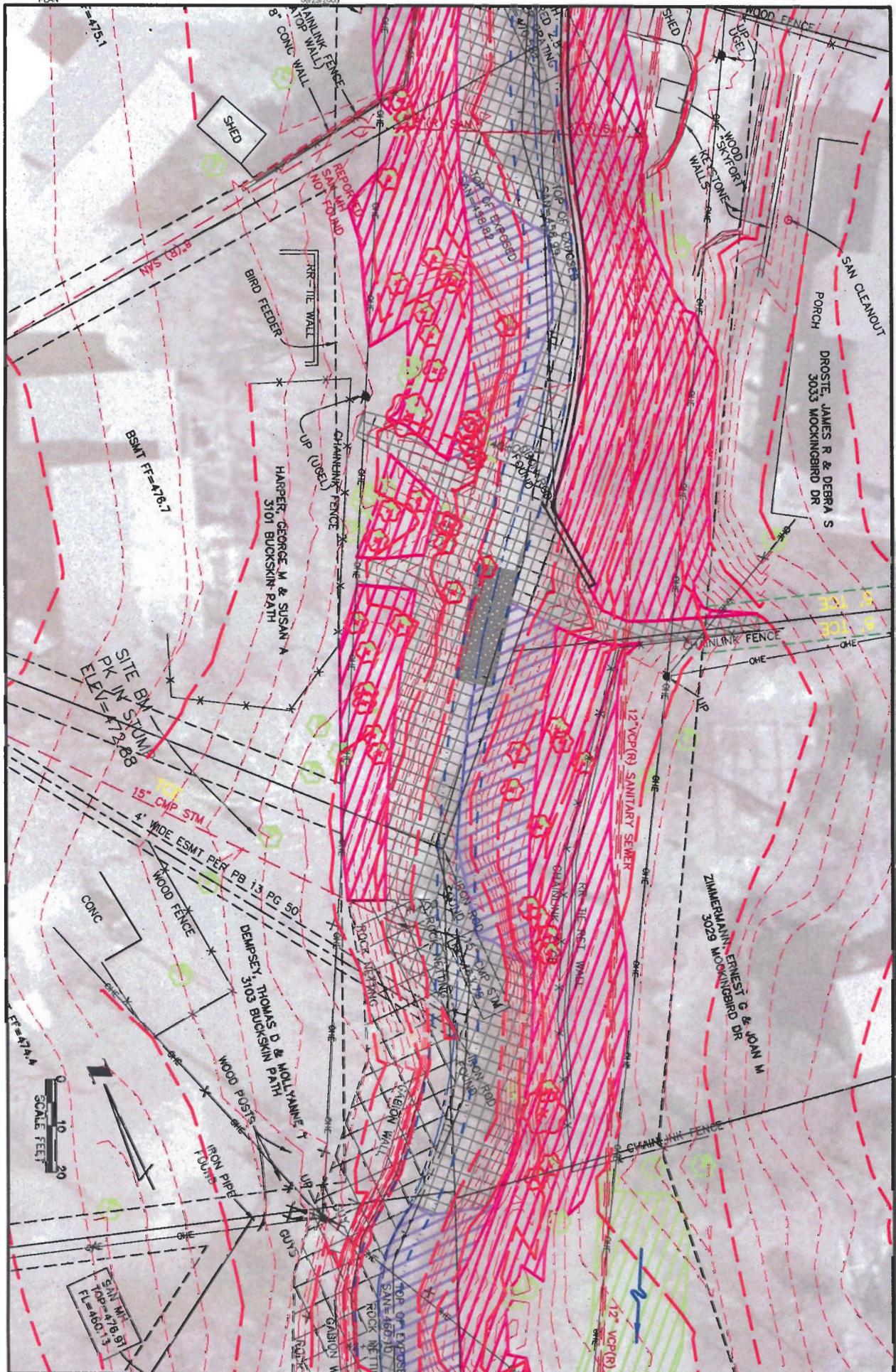
EAST BRANCH  
COLE CREEK  
FIGURE P4

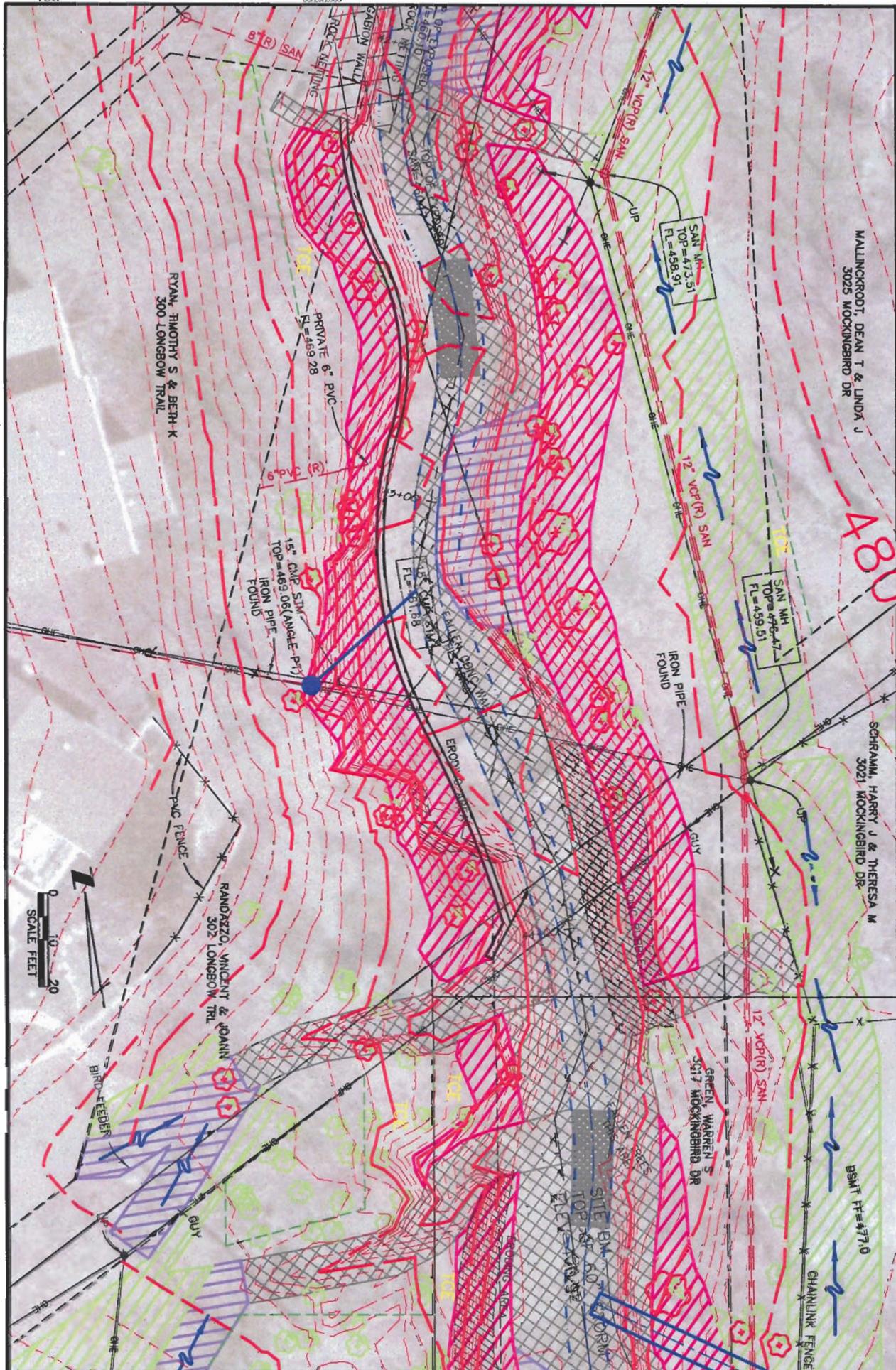
CITY OF ST. CHARLES  
200 N. 2nd STREET  
ST. CHARLES, MO 63301

Designed L.W.L. Checked P.H.R.  
Drawn L.W.L. Issued 08/29/2005

**REITZ & JENS, INC.**  
CONSULTING ENGINEERS  
1005 CORPORATE SQUARE DRIVE  
ST. LOUIS, MISSOURI 63102  
(314) 993-4102







SHEET  
7 OF 13

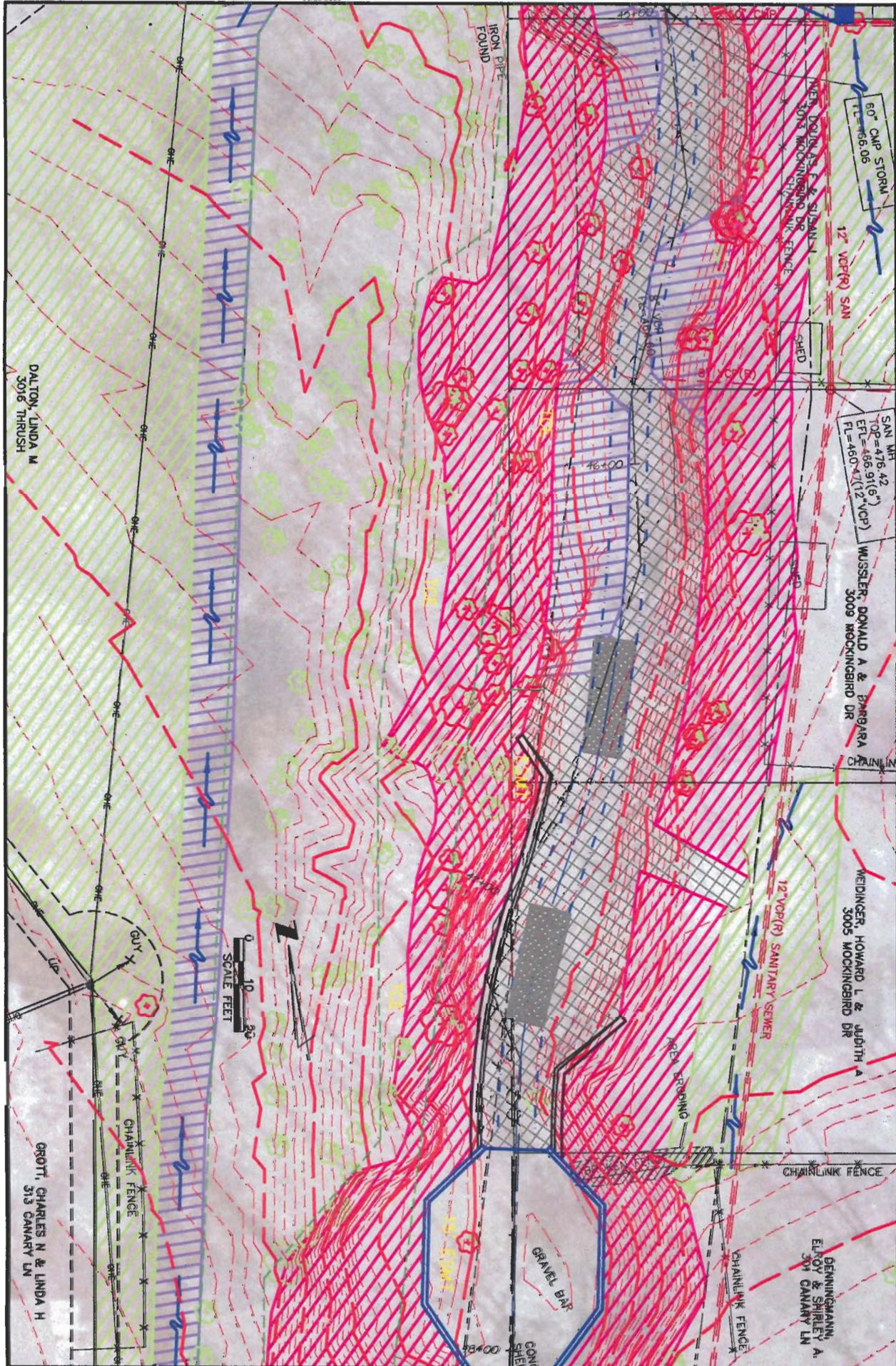
EAST BRANCH  
COLE CREEK  
FIGURE P7

CITY OF ST. CHARLES  
200 N. 2nd STREET  
ST. CHARLES, MO 63301

Designed: ILWIL Checked: JPRR  
\_Drawn: ILWIL \_Issued: 08/22/2005



**REITZ & JENS, INC.**  
CONSULTING ENGINEERS  
10560 RORORATE SQUARE DRIVE  
ST. LOUIS, MISSOURI 63132  
(314) 993-4132



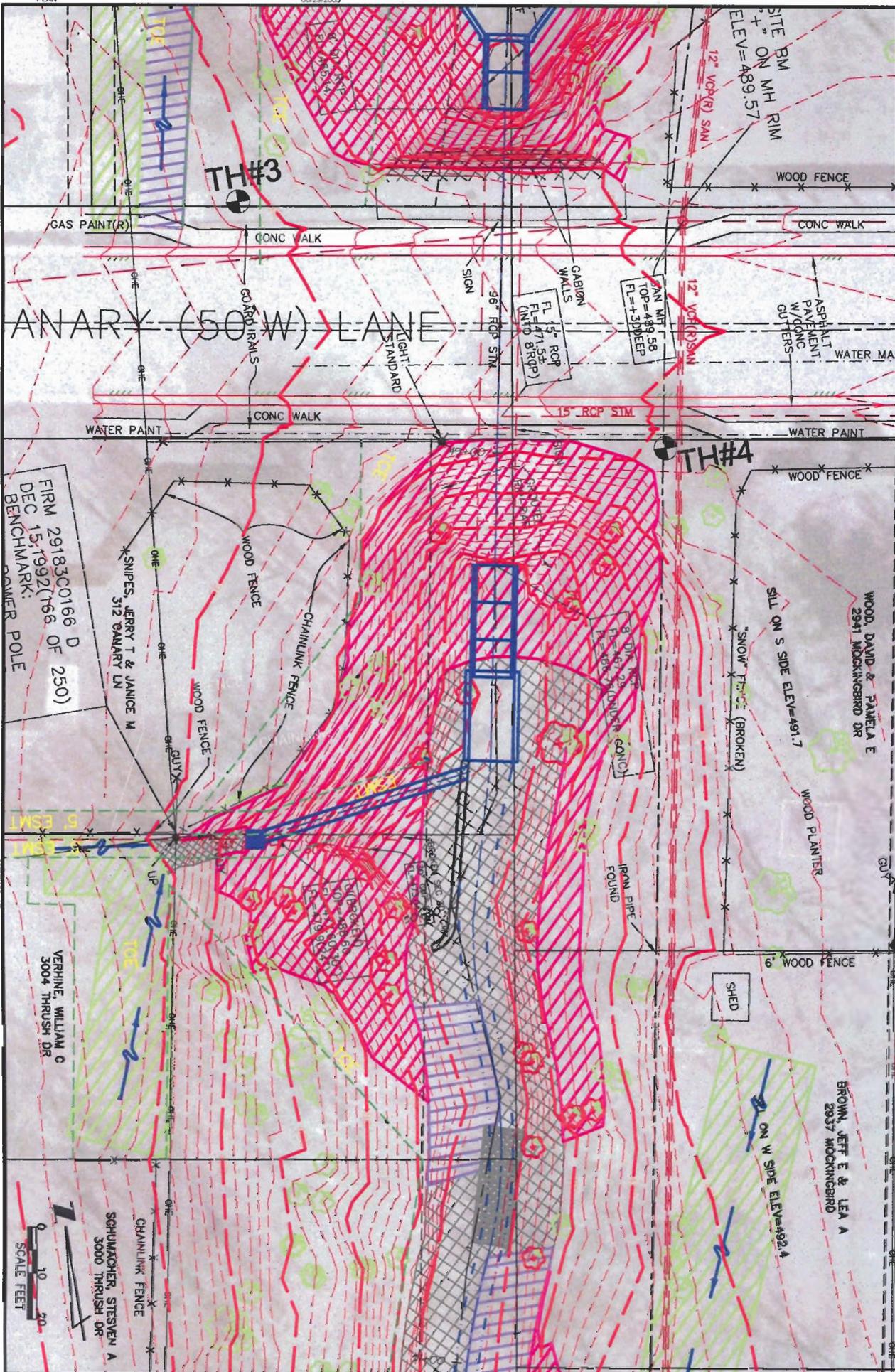
SHEET  
8 OF 13

EAST BRANCH  
COLE CREEK  
FIGURE P8

CITY OF ST. CHARLES  
200 N. 2nd STREET  
ST. CHARLES, MO 63301

Designed L.W.      Checked PHR  
Drawn L.W.      Issued 8/29/2005

**REITZ & JENS, INC.**  
CONSULTING ENGINEERS  
1050 CORP PARK FES SQUARE, FIVE  
ST. LOUIS, MISSOURI 63102  
(314) 993-4132



FIRM 29183C0166 D  
 DEC 15, 1992 (766 OF 250)  
 BENCHMARK:  
 POWER POLE

VERHINE, WILLIAM C  
 3004 THRUSS DR

SCHUMACHER, STEVEN A  
 3000 THRUSS DR

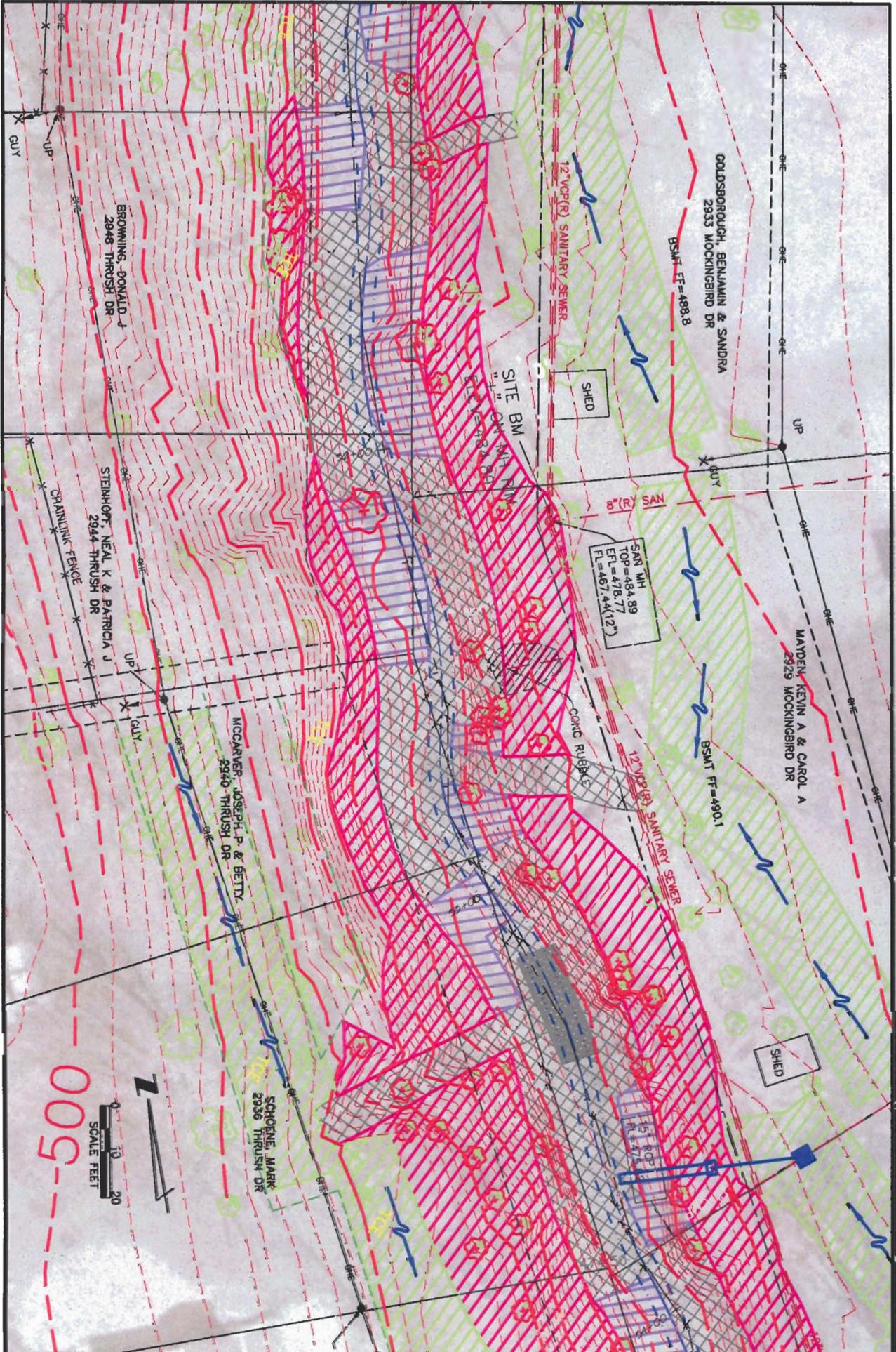
SHEET  
 9 OF 13

EAST BRANCH  
 COLE CREEK  
 FIGURE P9

CITY OF ST. CHARLES  
 200 N. 2nd STREET  
 ST. CHARLES, MO 63301

Designed L.W.J. Checked P.H.R.  
 Drawn L.W.J. Issued 08/29/2005

**REITZ & JENS, INC.**  
 CONSULTING ENGINEERS  
 1055 CORPORATE SQUARE DRIVE  
 ST. LOUIS, MISSOURI 63132  
 (314) 993-4122

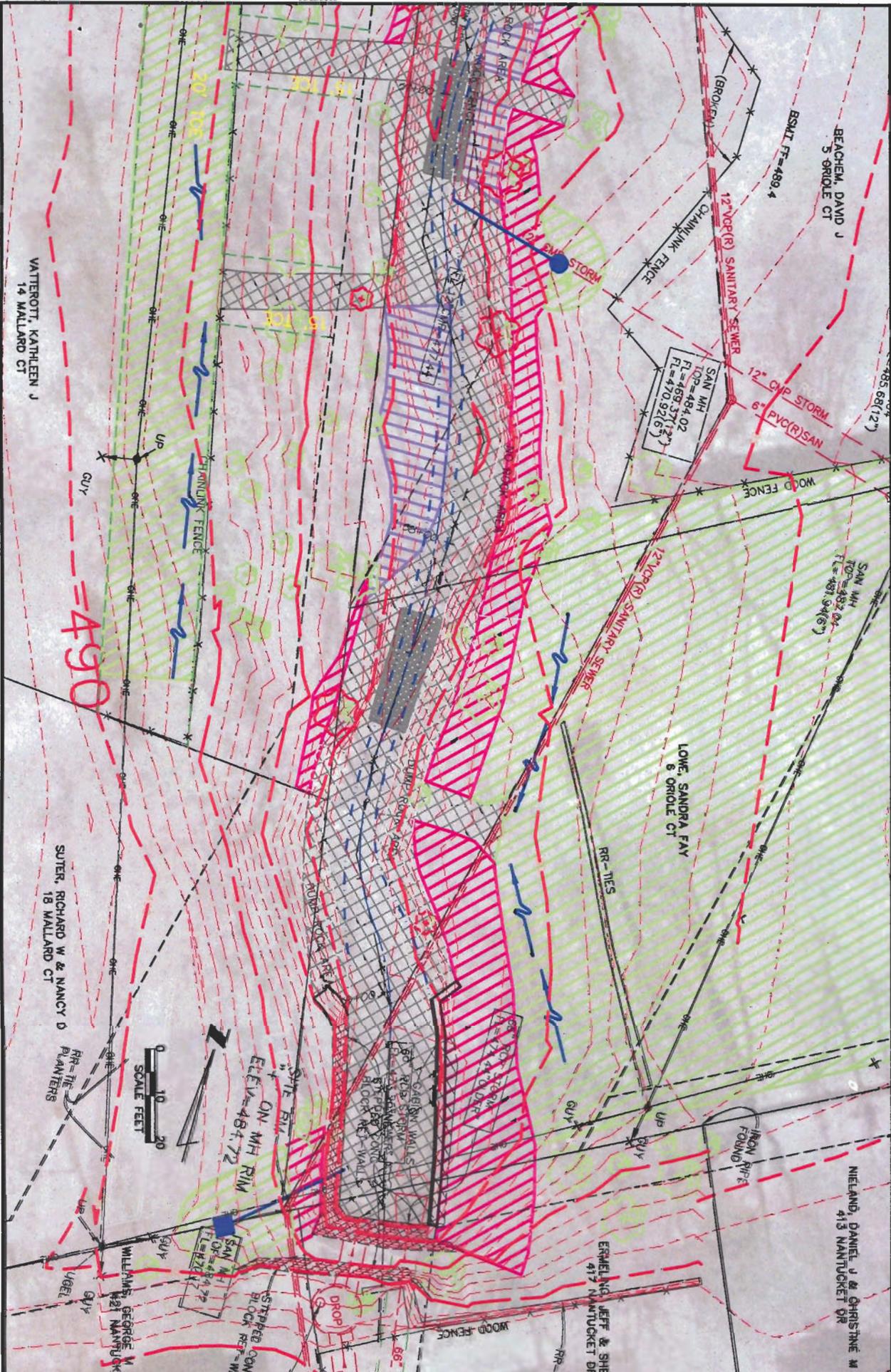


500

SCALE FEET







SHEET  
12 OF 13

EAST BRANCH  
COLE CREEK  
FIGURE P12

CITY OF ST. CHARLES  
200 N. 2nd STREET  
ST. CHARLES, MO 63301

Designed L.W.L. Checked P.H.R.  
Drawn L.W.L. Issued 08/29/2005

**REITZ & JENS, INC.**  
CONSULTING ENGINEERS  
1155 CORPORATE SQUARE DRIVE  
ST. LOUIS, MISSOURI 63102  
(314) 952-4132

