



Public Notice

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

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

Public Notice No.
P-2367
Public Notice Date
March 25, 2003
Expiration Date
April 15, 2003

Postmaster Please Post Conspicuously Until:

File Number: 2002-07570

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: Kathrine Kelley

APPLICANT: City of Rolla, 102 West 9th Street, P.O. Box 979, Rolla, Missouri 65402,
(573) 364-8659

AGENT: Joseph P. Wilson, Wilson Hydro Consulting Engineers and Hydrologists, LLC, 112 West Eighth Street, Rolla, Missouri 65401, 1-800-994-9487

LOCATION: The project area is located in Section 36, Township 39 North, Range 8 West and in Section 23, Township 37 North, Range 8 West, in Rolla, Phelps County, Missouri.

PROJECT DESCRIPTION: The applicant seeks authorization to perform improvements to the open stream channel system within the City of Rolla impacting waters of the US for the purpose of flood control, bank stabilization, and erosion and sediment control. The attached table provides a list of specific locations and proposed activities along with temporary and/or permanent impacts. These activities occur in the following unnamed tributaries and named tributaries to the Meramec River: Spring Creek, an unnamed tributary to Spring Creek, Burgher Branch, an unnamed tributary to Burgher Branch, East Fork Burgher Branch, Frisco Branch, Dutro Carter Creek, Deible Branch and an unnamed tributary to Deible Branch. See Figure 1, attached.

These proposed improvements are a result of a detailed study of the open channel system of the City of Rolla. The study objectives included determining the minimum improvements required to remove

residential structures from the 1% Annual Probability floodplain and evaluating existing and potential scour and bank stability problems. Construction is planned over a five-year period.

Alternatives evaluated included different types of channel linings, channel geometry, property acquisition and flood storage. The number and type of viable alternatives is limited in most areas due to development and severe space constraints from existing development. Where possible, recommended channel improvements require excavation only above the ordinary high water mark. Culvert improvements match the existing channel flow line to not impede fish travel. Pre-cast concrete will be utilized to the maximum extent practicable to minimize exposure to bare soil.

Detention storage is recommended only where property acquisition and channel improvements are not feasible due to space constraints or the channel modification was so extensive that storage facilities provided the required level of flood protection with less environmental impact. Detention storage is located primarily on intermittent tributaries and will only store water during a flood event. Sediment trap areas will be incorporated into the detention designs.

Erosion control measures include the construction of rock and/or gabion channel grade checks and scour protection at culvert outlet and areas of significant bank instability are proposed. All disturbed areas will be appropriately seeded and mulched using native materials where possible.

LOCATION MAPS AND DRAWINGS: See Figures 2-6, attached.

ADDITIONAL INFORMATION: Additional information may be obtained by contacting Kathrine Kelley, Project Manager, U.S. Army Corps of Engineers, at (314) 331-8813. Your inquiries may also be sent by electronic facsimile to (314) 331-8741 or by e-mail to kathrine.kelley@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 Pollution Control 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.

Proposed Improvements to the open stream channel system within the City of Rolla

Channel	Activity	Linear Ft Channel Impacts (Temporary)	Linear Ft Channel Impacts Permanent
Spring Ck 1.1, Figure 3	12' x 4.5' box culvert replacement, Meadow Brook Dr matching existing flow lines	50	0
Spring Ck 1.2, Figure 3	60' wide x 1700' lineal feet of benched channel improvement above OHW, Sta 0+00-Sta 17+00	0	0
Unnamed Trib to Spring Ck 1.3, Figure 3	Dry Detention Basin, 0.1 mi W. of Vichy Rd, 8' high dam, maximum storage capacity 8.6 acre-feet	120	70
Spring Ck 1.4, Figure 3	Dry Detention Basin, near Sta 47+50, 8' high dam, maximum storage capacity 8.9 acre-feet	120	70
Spring Ck 1.5, Figure 3	Dry Detention Basin, upstream of White Columns Dr, using existing roadway embankment, maximum storage capacity 7.2 acre-feet	50	25
Burgher Br 2.1, Figure 4	Dry Detention Basin, Dietzman Property, N. of Old St. James Rd, 9' high dam, 5000 cu yds of fill	140	90
Unnamed Trib to Burgher Br 2.2, Figure 4	550 lineal feet of benched channel improvement above OHW, Sta 172+00 Forum Dr to confluence with Burgher Br	0	0
Burgher Br 2.3, Figure 4	Replace existing culvert at Old St. James Rd with 4-barrel, 10'x 3.5' culvert, preformed scour hole protection immediately downstream of Sta 178+00 and scour protection, sedimentation removal where a utility lines crosses upstream of existing culvert	200	150
Unnamed Trib to Burgher Br 2.4, Figure 4	Replace existing 6.5' x 4.3' CMP culvert with a single-cell 8'x 4' box culvert, Forum Dr near Sta 172+00	75	25
Burgher Br 2.5, Figure 4	Construct rock drop structure, upstream of 18 th St, Sta 152+50-162+00, install 300 cu yds rock	75	50
Burgher Br 2.6, Figure 4	Increase Forum Cinema detention pond storage by 3000 cu yds, no fill will be placed; relocate 650' detention low flow line to east side of existing basin	650	650
Burgher Br 2.7, Figure 4	Preformed rock scour hole, bank stabilization, erosion control, 18 th St culvert outlet, Sta 152+50; 500 cu yds riprap	75	50
Burgher Br 2.8, Figure 4	Preformed rock scour protection, Homelife Dr culvert outlet, Sta 139+50, 500 cu yds riprap	75	50
Burgher Br 2.9, Figure 4	Preformed rock scour protection, Soest Rd culvert outlet, 1000 cu yds riprap	100	75
East Fork, Burgher Br 3.1, Figure 4	Concrete and gabion scour protection, bank stabilization, Whitney Ln culvert outlet, Sta 17+00-Sta 18+25, 750 cu yds riprap + gabion structures	150	125
	SUBTOTALS:	1880	1430

Figure 1, Sheet 1 of 2
 City of Rolla Channel Improvements
 File Number 2002-7570, P-2367

Channel	Activity	Linear Ft Channel Impacts (Temporary)	Linear Ft Channel Impacts Permanent
Frisco Br 4.1, Figure 4	Replace driveway culverts with larger, 8' x 3' culverts, increasing capacity to reduce floodplain elevations, remove adjacent residences from Regulatory floodplain. Note: permanent impacts replace existing concrete channel	200	150
Frisco Br 4.2, Figure 4	Gabion revetment, Forum Dr, confluence with Burgher Br, 6' x 250' lineal feet, 170 cu yds riprap	300	250
Frisco Br 4.3, Figure 4	Preformed scour protection w/gabion and/or riprap, bank stabilization at Holloway culvert outlet	150	125
Frisco Br 4.4, Figure 4	Scour hole stabilization w/gabions and or riprap, sanitary sewer crossing near Sta 10+00; 300 cu yds of riprap	75	50
Dutro Carter Cr 5.1, Figure 5	New 3-cell, 10'x10' culvert + single 10'x5' high flow culvert, matching existing flow lines, RMU property.	100	30
Dutro Carter Cr 5.2, Figure 5	Add 12'x9' barrel culvert adjacent to existing 12'x9' barrel culvert, matching existing flow lines on O Highway	50	0
Dutro Carter Cr 5.3, Figure 5	60 ft wide x 2242 lineal feet bench channel improvement above OHW, Sta 79+50-Sta 100+92.	0	0
Dutro Carter Cr 5.4, Figure 5	Add 12'x6' barrel culvert adjacent to existing 12'x6' barrel culvert, matching existing flow lines, Chestnut Dr	50	0
Dutro Carter Cr 5.5, Figure 5	60' wide x 1679 lineal feet benched channel improvement above OHW; Sta 121+89-Sta 136+90.	0	0
Dutro Carter Cr 5.6, Figure 5	Add 7' x 6.7' barrel culvert to existing 7' x 6.7' barrel culvert; plus 7' x 3' high flow barrel, Southview Dr	50	0
Dutro Carter Cr 5.7, Figure 5	Replace existing culvert with double 10' x 8' box culvert, matching existing flow lines, Elm St	50	0
Dieble Branch 6.1, Figure 6	Add 10'x8' barrel culvert to existing 10'x8' barrel culvert, matching existing flow lines, O Highway	50	0
Unnamed Trib to Dieble Br 6.2, Figure 6	Construct dry detention basin near Sta 48+00, maximum storage capacity, 12 acre-feet, 13' high dam, 6500 cu yds fill	200	150
Unnamed Trib to Dieble Br 6.3, Figure 6	Construct dry detention basin near Sta 83+00, maximum storage capacity 10 acre-feet, 12' high dam, 3000 cu yds fill	170	120
Dieble Br 6.4, Figure 6	Replace existing culvert with double 10'x8' box culvert, matching existing flow lines	75	0
Dieble Br 6.5, Figure 6	Add triple 8' x 7' plus double 8' x 5' culvert for future Lion's Club Dr extension, matching existing flow lines	150	100
	TOTALS:	3550	2405

Figure 1, Sheet 2 of 2
City of Rolla Channel Improvements
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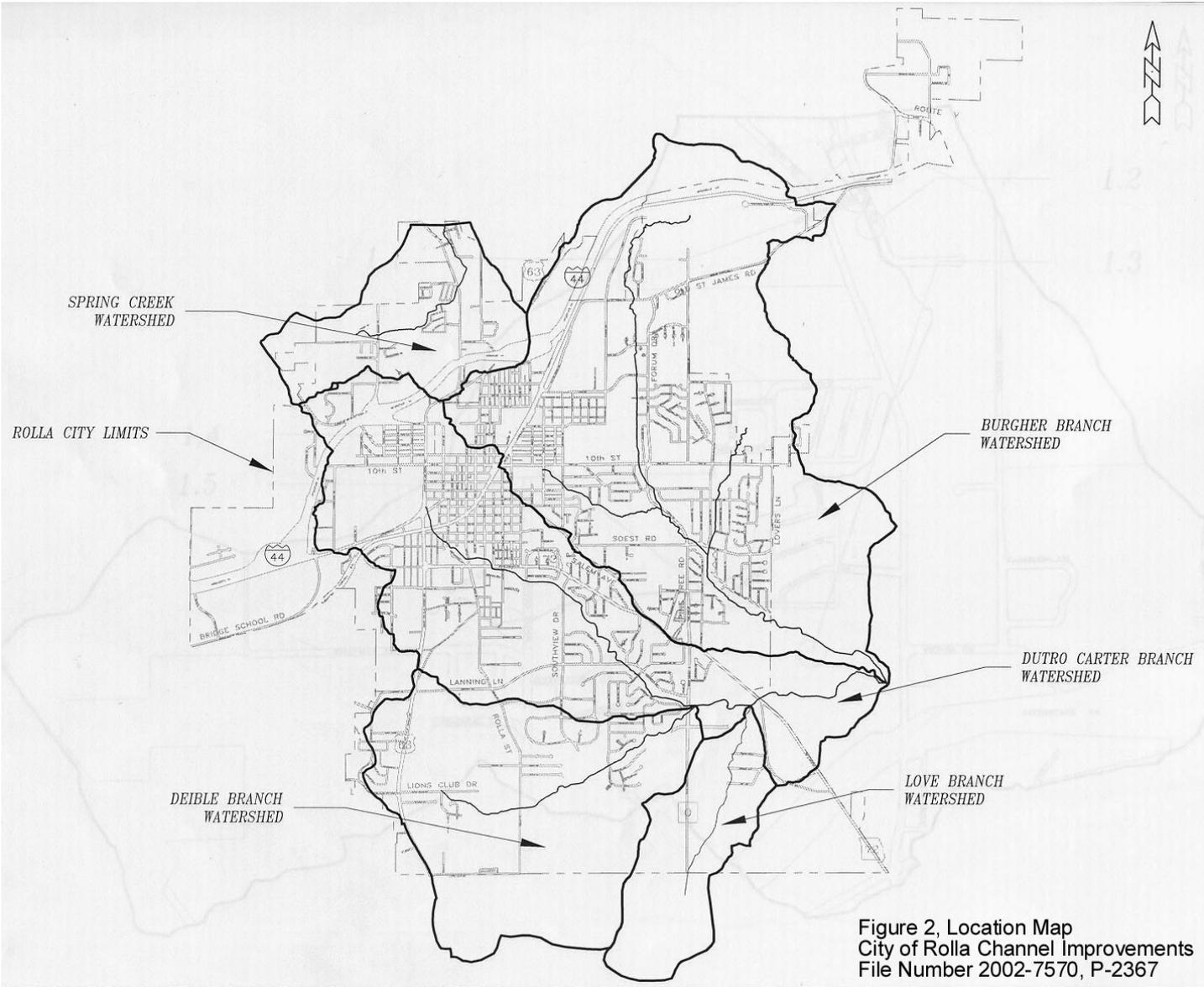


Figure 2, Location Map
 City of Rolla Channel Improvements
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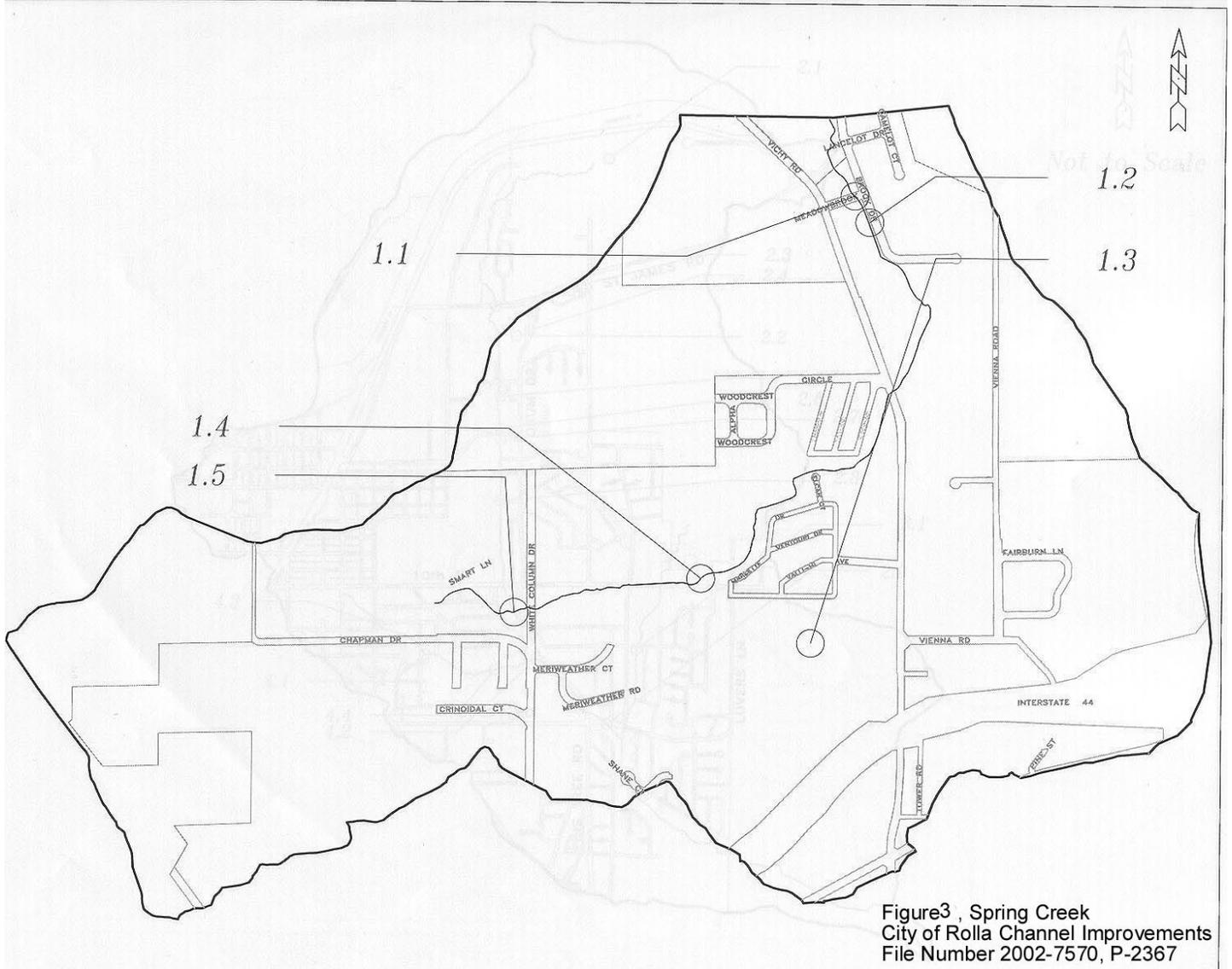


Figure3 , Spring Creek
 City of Rolla Channel Improvements
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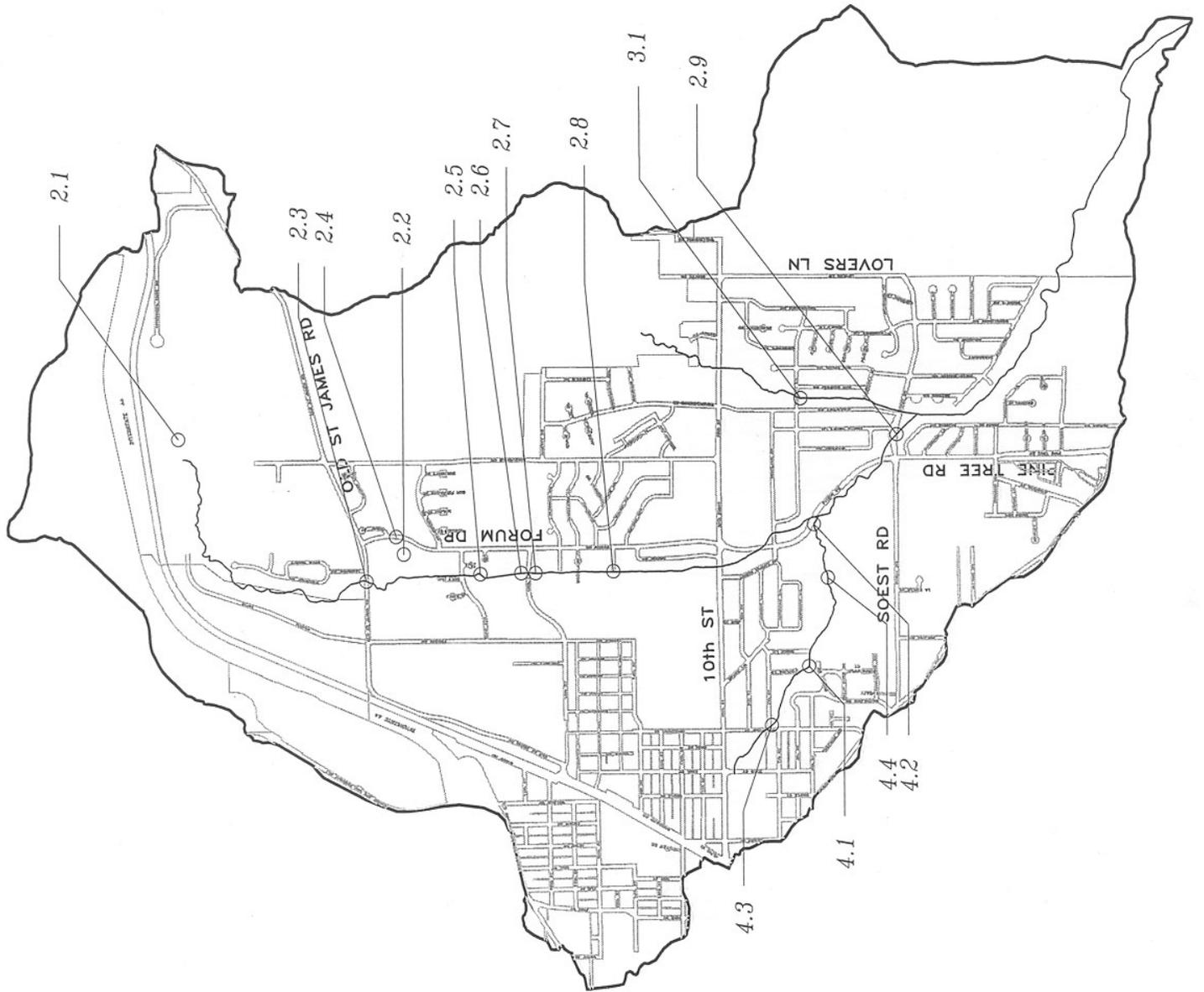
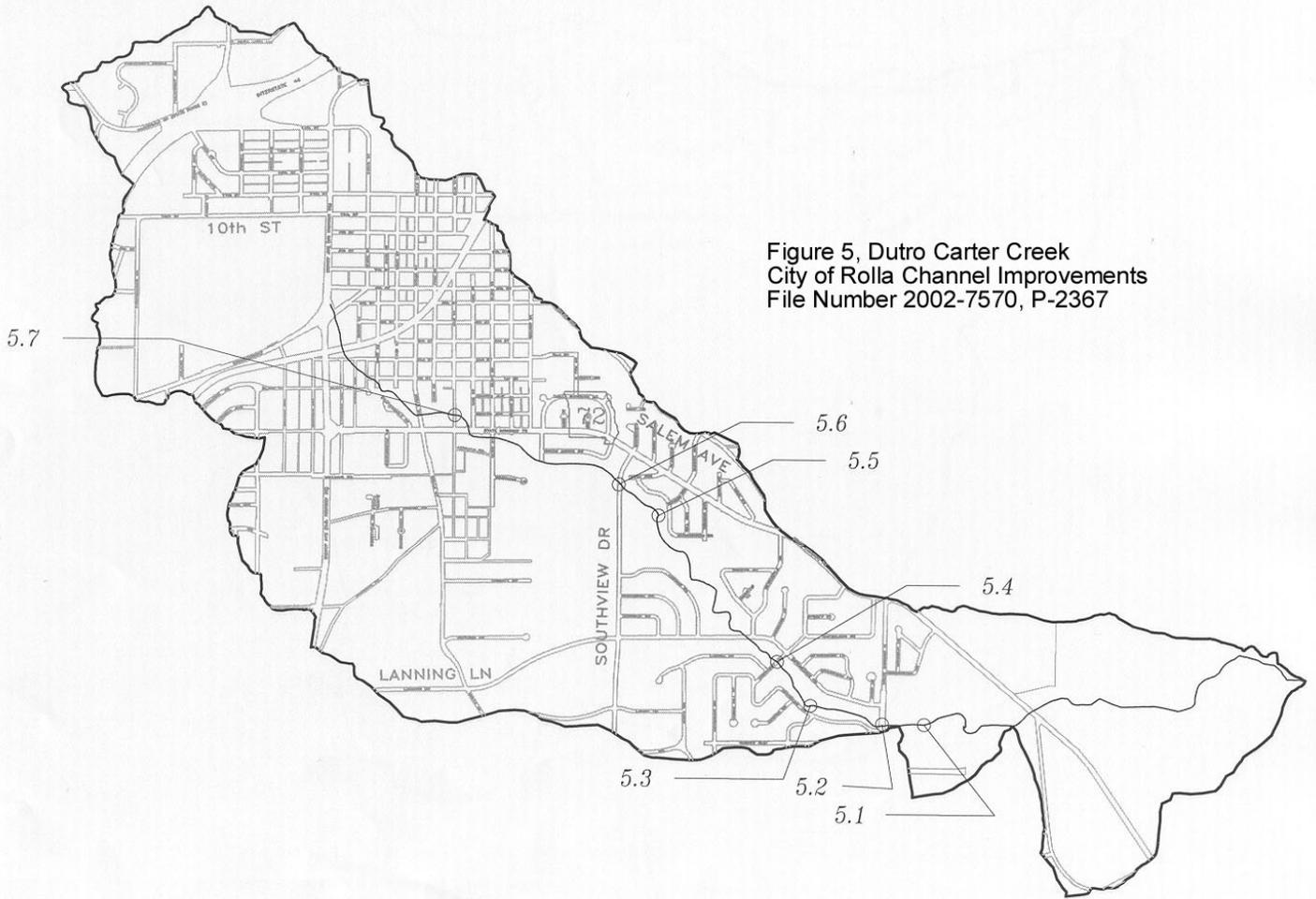


Figure 4, Burgher Branch
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Figure 5, Duto Carter Creek
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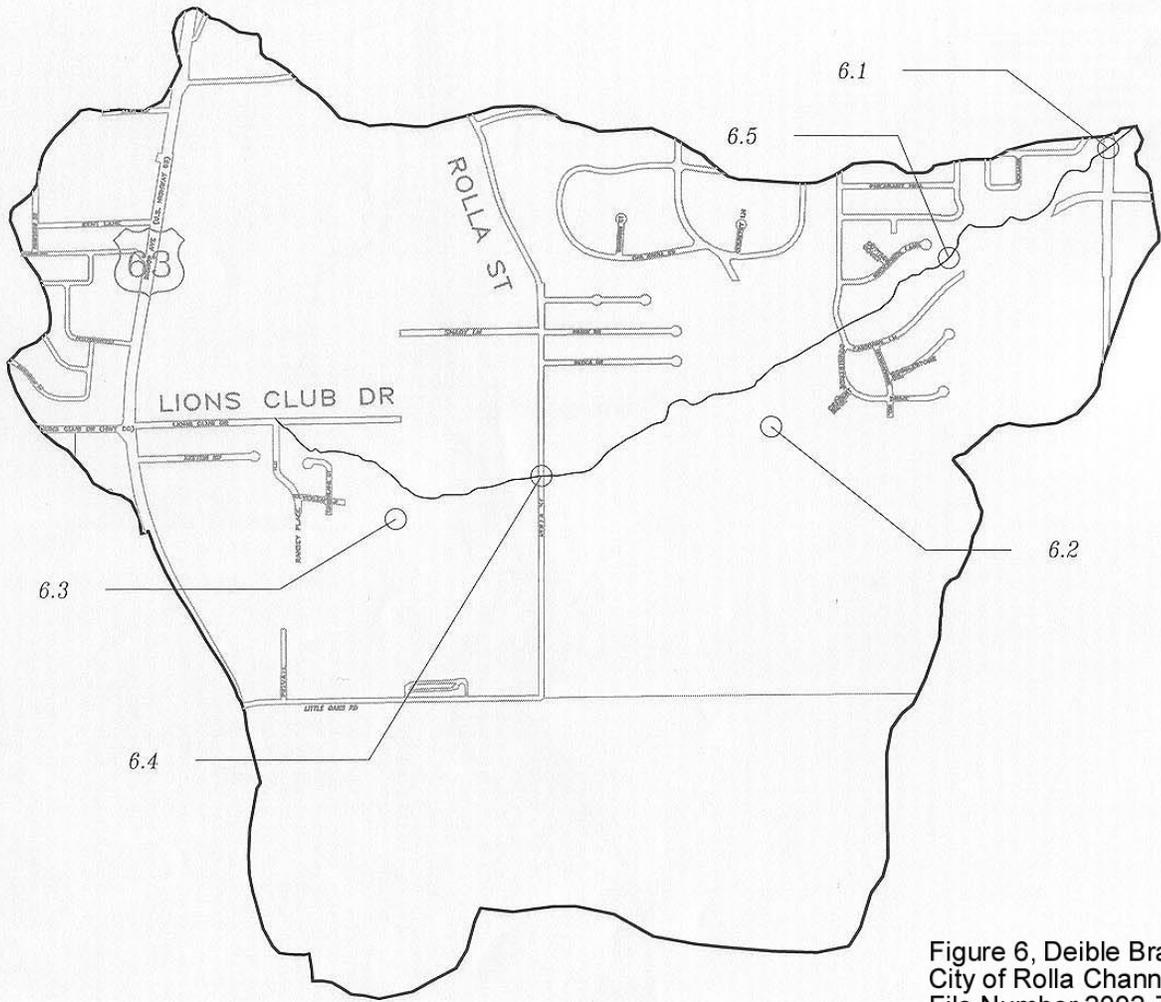


Figure 6, Deible Branch
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