

## Work begins to update community floodplain maps

More than 74 miles of Jefferson County's floodplains are being surveyed and 270 miles of streams are under review as MSD works to update the community's floodplain maps.

The existing floodplain maps are about 10 years old and aren't in the current digital format, according to MSD Development Team Leader Randy Stambaugh. "Much has changed in Jefferson County, with an average of 2,000 new homes built each year and MSD's ongoing work to reduce flooding with stormwater storage basins and other drainage management projects," Stambaugh said.

Updating the maps to the current digital format will allow MSD to keep the maps updated in real time, showing the impacts on floodplain delineations as development occurs and new stormwater management facilities are completed. The studies also will help MSD gauge the impact of its flood-reduction facilities and plan future strategies to minimize damages from flooding.



New floodplain maps will allow MSD to plan ahead and minimize damages from flooding.

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## Sewer repairs simplified

To speed up repairs to main sewer lines and property service connections, MSD now is using an injected lining system that doesn't require excavation.

The lining system not only helps MSD quickly repair problems in main sewer lines and property service connections, it also nearly eliminates the need to dig up and restore yards, rights-of-way and streets.

Using the lining system makes repairs more accurate, according to Sewer Maintenance Supervisor Jeff Vessels. Teleinspection cameras sent through the sewer lines to be repaired let crews above ground know the exact length of the line to be repaired. The liner is cut to fit and prepared above ground before being injected into the damaged sewer line.

"Before the lining process begins, the sewer to be repaired is cleared by a vector," Vessels said. Using low air pressure to inject the lining forces out any remaining liquid. Once the lining is injected, it is calibrated and, after three hours, is set.



Greg Meredith prepares to repair a sewer line using the new lining system. The new system could save MSD up to 60 percent in costs when used to repair property service connections.

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### CONNECT WITH MSD

502-540-6000

24/7 Customer Service:  
587-0603

[www.msdlouky.org](http://www.msdlouky.org)

TDD/TTY: 540-6233

En español: 540-6423  
(Entre 8 mañana y 5 p.m.  
lunes a viernes)



## Upcoming Events

December 5

### **Holiday Extravaganza,**

11 a.m. to 3 p.m.,

Central Maintenance Facility

December 8

### **MSD Board meeting,**

10 a.m., 700 W. Liberty, first floor

December 24 & 25; January 1

### **Holidays, MSD offices are closed.**

For emergency service phone 587-0603

January 12

### **MSD Board meeting,** 10 a.m.,

700 W. Liberty, first floor

## MSD Milestones

We're proud to announce: MSD is among the area's 68 employers earning the 2003 Work/Life Alliance designation from Greater Louisville Inc., the Metro Chamber of Commerce.

"To be among the 68 Kentuckiana employers, of more than 25,000 area businesses, recognized for a commitment to employees is an honor for MSD," said Executive Director Bud Schardein. "Helping our staff balance work and life responsibilities makes our workforce more productive in serving our community."

DiverseWorks Program Administrator **Deborah Mettling** received the 2003 Ferda C. Porter Advocate Award from the Kentuckiana Minority Supplier Development Council. The award is KMSDC's most prestigious individual honor and recognizes Mettling's leadership and contributions to minority businesses in the community.

## Area Team Project Roundup

**Beargrass Creek Area:** Properties along **Curtis and Farmdale avenues** will benefit from the Project DRI partnership between Louisville Metro and MSD. To reduce standing water in the rights-of-ways, the \$142,512 project will create defined roadside drainage facilities by installing pipe, yard drain inlets and catch basins.

Project DRI also will impact 34 properties along **Curran Road** south of Taylorsville Road. The \$57,683 project should eliminate standing water in the right-of-way.

Long-standing drainage woes in the 2100 and 2300 blocks of **Dixdale Avenue** will be relieved when a \$96,580 drainage project is completed. The work, part of Project DRI, will favorably affect more than 50 properties.

Drainage improvements will relieve standing water problems in the right-of-way of **Downing Way** and in rear yards of **Landen Drive**. The \$44,474 Project DRI work will benefit 43 properties.

**Mill Creek Area:** Properties along **Lower River and Orell roads** and **Bethany Lane** will be connected to sanitary sewers and benefit from drainage improvements.

The \$2.26 million project will construct more than three miles of sanitary sewer and approximately a mile of drainage improvements. About 125 properties now served by septic systems will be connected to sewers.

**Pond Creek Area:** Some \$147,000 in roadside drainage improvements will relieve standing water problems along **Lambert Road**. It's part of Project DRI, the Louisville Metro and MSD program to improve drainage throughout the community. When completed, about 47 properties in the area will benefit.

**Wet Weather/Water Quality:** Improvements to the Northeastern sanitary sewer trunk will ensure the renovated Buchanan Street Pump Station can operate at top efficiency.

The \$8.7-million upgrade to the pump station included lowering the elevation of a wet well, where powerful pumps move incoming wastewater to the Morris Forman Wastewater Treatment Plant. Changing the elevation allows more flow to enter the pump station from the Northeastern trunk sewer.

To minimize debris that have settled in the trunk sewer from entering the station and damaging the pumps, about a mile of the Northeastern trunk will be cleaned at a cost of \$529,275.



Clearing debris from the Northeastern sanitary trunk sewer will help the renovated Buchanan Street Pump Station operate more efficiently.

## Work begins ... *continued from page 1*

The maps will be created under guidelines set by the Federal Emergency Management Agency (FEMA). Public meetings to solicit comments on any proposed revisions to the floodplain maps would occur in late 2004.

The mapping project, funded by a \$1.4 million grant from FEMA, is underway with surveys of streams and floodplains. Stambaugh said MSD would seek additional grants to fund similar surveys of the rest of Jefferson County's floodplains and streams.

<i>Location</i>	<i>Survey Dates</i>
• Southern Ditch . . . . .	Nov. 3 – 12, 2003
• South Fork, Beargrass Creek . . . . .	Nov. 13, 2003 – Jan 26, 2004
• Northern Ditch . . . . .	Nov. 21 – Dec. 2, 2003
• Fishpool Creek . . . . .	Dec. 23 – 29, 2003
• Blue Spring Ditch, Brush Run, Hite Creek, Weicher Creek, Wilson Creek, Wolf Pen Branch . . . . .	Jan. 27 – Mar. 29, 2004

## Sewer repairs ... *continued from page 1*

Because the lining system can bond with clay, cast iron, concrete and other materials, MSD will explore using it to rehabilitate sewers. That will help prevent groundwater from entering sewers and overloading wastewater treatment facilities. Also, the lining system is seamless, keeping tree roots from growing into lined sewers. "Tree roots are among the leading causes of sewer line stop ups," Vessels said.

During the fiscal year that ended June 30, 2003, Maintenance crews completed 1,620 sewer backup repairs at a cost of more than \$3 million. Each repair took an average of eight days to restore the ground and up to 40 days for concrete restoration during winter months.

Using the injected lining system could save up to 60 percent of the cost to complete a single property service connection repair.

Already nine MSD utility workers have completed the three-day training required to inject the lining system. According to Vessels, they completed 21 repairs during a two-week period.



*The PVC-based liner is prepared above ground and injected by air-pressure to trouble spots in main sewer lines and property service connections, eliminating the need for excavation.*

## Customer First at Work

"My compliments to **Donnie Riddle** and MSD for a fast response to my backup request."

--Larry Smith, Bancroft, 40242

"Thanks to **Greg Bissell, Rick Bledsoe, Enoch Dean and David Floyd** for a job well done when repairing the cave-in in my driveway. They were very polite and did a wonderful job."

--Martin Hobbs, Pleasure Ridge Park, 40258

"Special thanks to **Ezell Smith** for his professionalism and courtesy while explaining the back up in my home. He is an asset to MSD and the community."

--Patrick Chapman, St. Matthews, 40207

"Thanks to **James Brown, Bolden Rose, Sandy Schmitt, Ezell Smith, Gary Trowell** and any others who helped repair the culvert near my property. I have been wowed by everyone's expediency and concern."

--Ms. Gholston, West End, 40211

"Please pass on my appreciation to the MSD employees who helped solve the backup problems on my property, especially **Denise Burrell, Tracey Crawley, Darryl Goodwin, Allison Sheppard, Ezell Smith, Sherri Sutton and Tommy Wise**. I was impressed with your process from start to finish, specifically the timely response to my request, the minimal restoration needed and the clean up. I will be shouting MSD's praises from the rooftop. You have provided me an invaluable service."

--Marilyn Aubrey, Jeffersontown, 40299





**MSD**

Louisville and Jefferson County  
Metropolitan Sewer District

700 West Liberty Street  
Louisville, KY 40203-1911



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## Chili cook-off supports Giving Tree



*Benefits Specialist  
Saundra Gibson serves  
up an entry from last  
month's chili cook-off at  
MSD's Main Office. The  
event not only showcased  
the staff's culinary skills,  
it also garnered \$322 for  
the annual Giving Tree  
campaign that helps  
the community's less  
fortunate families have  
merrier holidays.*