

# Rainwater seeps into sewer pipes, but cost to remedy is astronomical

By Craig Piechura  
staff writer

A lengthy engineering study of the city of Farmington's sewer system has concluded that spending money to build a new system would be tantamount to pouring money down the drain.

City Manager Robert Deadman told council members Monday night that it would be cheaper to plug the leaks in the present drains and pay the extra money for waste treatment than it would cost to build new drains.

"Based on the experience of the Environmental Protection Agency (EPA) in other communities, only 30 percent of the current infiltration (water that seeps into the sewer system) and 75 percent of the inflow (usually storm water or ground water) problems could be reduced if a total rehabilitation program and separation program were implemented," Deadman said.

"CITY ENGINEERS estimate that a sewer separation program alone would cost \$3 million. The sewer evaluation study and follow-up work would cost in excess of \$500,000. The elimination of the U.S. 16 Drain from our combined sewer system could cost in excess of \$300,000. The total cost of this work would probably exceed \$4 million."

The city could expect to save about \$138,000 per year in waste water treatment costs if a new sewer system was built, Deadman said. About 3.5 percent of the drainage Detroit treats for Farmington is water that overflows into the sewer system and much of it is water that seeps in from the Rouge River.

IT'S CHEAPER to pay for that excess, Deadman says, than fixing the problem locally. Deadman emphasized that an engineering study by consultants Orchard, Papke, Hiltz and McMillen Inc. determined that "the city of Farmington is not seriously degrading the water quality of the upper branch of the Rouge River."

However, a report to the city by the engineering firm notes that: "During minor wet weather events, a substantial volume of precipitation runoff (rain) contributes to the sanitary flow treated by Detroit at ever-increasing cost to the city. When rain fall events or spring thaws result in heavy runoff concentrations, the combined sewers carry sanitary waste directly into the Rouge River."

WHILE THE DNR now says the situation doesn't deteriorate the water quality of the Rouge, the engineers state that "future criteria may dictate this condition as an unacceptable situation to be addressed and rectified by the city of Farmington."

The other problem, say engineers, is that when the Rouge water level rises during spring thaw or heavy rain, rain-water floods the sanitary sewer interceptor and "this river water is being treated by Detroit and paid for by the city of Farmington."

INFILTRATION AND inflow into the sewer system represents 57.1 percent of the total annual treatment cost, say the engineering consultants. That translates into \$225,000 per year based on a treatment cost of \$4.22 per 1,000 cubic feet of wastewater. The engineers say that even with renovation 30 percent of the infiltration is all that can be removed.

Inflow could be reduced by 75 percent if the storm and sanitary sewers were separated. But the \$138,000 per year savings, said consultants, would only finance \$1 million worth of work over a 40-year bond period at the current interest rate of 13.75 percent.

Because of the report, council members decided to take no action to rebuild the city's sewer system.

Instead, the council unanimously authorized spending \$10,000 to evaluate the existing drains in a check for poor joints or cracks in the pipe. The evaluation process may include a video taped inspection of the sewer system.

## January Storewide Clearance

Save up to **40%**

Reg. SALE  
TAKE WITH

All Grandfather Clocks Drastically Reduced. Free delivery & set up.

Dark Pine or Maple Drop Leaf Table, 30"x60" Formica Top, 2 chairs \$249 .. \$199

Dark Oak Drop Leaf Table, Formica Top 36"x48", 1 bench, 2 chairs \$671 .. \$499

Dark Oak Dining Room Set, 44" round table, 18" leaf, Formica Top, 4 chairs, Large China Hutch, Beautiful Mobile Server Available. \$2092 .. \$1649  
\$659 .. \$459

82" Hercules Sofa, Brown & Beige Tones \$1135 .. \$689  
Traditional Sofa with Loose Pillow Back & Pillows, Blue & Brown Designs \$485 .. \$299

Blue Corduroy Lounge Chair on Casters \$339 .. \$175

40" Portable Bar in Dark Pine with Black Formica Top, Lock Keys, 3 to set. Bar Stools available at Sale Prices \$395 .. \$329

26" Roll-Top Desk, light Oak, Also available in Cherry Wood \$1365 .. \$1025

Oak Bedroom Set, 72" Triple Dresser, Mirror, Chest & Bed \$1608 .. \$899

Bennington Solid Pine 66" Dresser, Large Hutch Mirror \$97 .. \$69

Television Stand on Casters in light or dark pine \$427 .. \$325

34" Etagerie in light solid pine \$459 .. \$359

Gun Cabinet in Fruitwood, Lock & Key

ALL WALL CLOCKS ALL PICTURES  
SAVE 20% & MORE REDUCED UP TO 20%

PLATFORM SWIVEL & REGULAR ROCKERS  
SAVE up to 20%

### Ebenezer Furniture

Early American-Colonial Furniture  
3150 Grand River • 477-4776  
1 Bldg. W. of Orchard Lake Pk., Farmington Plaza  
T, W, S 10-8-30 - M, Th, F 10-8-30

### Danger Signals of PINCHED NERVES

1. Frequent Headaches
2. Low Back or Hip Pain
3. Dizziness or Loss of Sleep
4. Numbness in Hands or Feet
5. Nerve Pain
6. Neck Pain or Stiffness
7. Arm and Shoulder Pain

Free preliminary examination does not include X-Rays or Treatment.

**FREE SPINAL EXAMINATION**

**Dr. R. E. Tent, D.C.**

Doctor of Chiropractic  
Hollyhill Professional Village  
Suite 112  
39595 W. Ten Mile, Novi  
West of Haggerty  
**477-0380**

**Terry D. Myers, D.D.S.**

Is Pleased To Announce  
The Relocation Of His  
Office To:  
**1935 N. Pontiac Trail**  
Between Welch & Decker  
**Walled Lake**  
**669-2311**

## 50% off

BONED CHRISTMAS CARDS

MANY OTHER CHRISTMAS ITEMS ALSO ON SALE

**McDEVITT'S HALLMARK**

478-0707

EASTLAND MALL UNIVERSAL MALL  
8 Mile at Kelly 12 Mile at Dequindre  
NORTHWOOD CENTER FARMINGTON CENTER  
13 Mile at Woodward 7 Mile at Farmington, Livonia

## 45th Annual WINTER SALE IN PROGRESS

Since 1937

A Beautiful Store with Beautiful Furniture  
America's most distinguished traditional furniture

**Colonial House**  
20292 Middlebelt Rd., South of Eight Mile, Livonia  
Open Mon., Thurs & Fri. 10-9 P.M. 474-6900

Get Carried Away with

## GOURMET BALLOONS

661-9331

- GLITTER BALLOONS shipped nationwide
- UNIQUE BOUQUETS delivered locally

We specialize in Party Centerpieces

## SILVER REPLATING SALE

25% OFF

During the entire month of January.

FREE DENT REMOVAL-QUADRUPLE TEST GUARANTEED 25 YEARS

**HOUSE OF RENEW**

CUSTOM REPAIRS  
251 MERRILL AVE. SECOND LEVEL BIRMINGHAM CLOSED MONDAYS  
842-0363

What's Cookin' at

## Silverman's

FRIDAY FISH 'N CHIPS ALL YOU CAN EAT \$2.95

Fresh Beer-Batter Dipped Cod

Saturday and Sunday HONEY DIPPED ALL YOU CAN EAT \$3.50

FRIED CHICKEN DINNER

We're Easy to Find

10 Mile & Meadowbrook

**Silverman's**  
10 Mile & Meadowbrook  
477 Center - Nov  
349-2885

EFFECTIVE RATE 12.00%  
JANUARY 4 TO JANUARY 12, 1982

## CUT YOUR TAXES

## AND HAVE A BUNDLE WHEN YOU RETIRE YOUR NUMBER.

You don't have to be a Hall of Famer to retire with a bundle. An IRA, Individual Retirement Account, from D&N gives you a big tax break every year. And a sizable supplement to your Social Security when you retire. You can deduct \$2,000 from your taxable income every year and put it away in a tax-sheltered IRA. Your money accumulates tax free until retirement.

The earlier you start, the more money you'll end up with. But even if retirement is only five or ten years away, you can still build up a bundle. Anybody who works can, and should, have an IRA. You're eligible even if you have a pension plan where you work. If you're a two-income family, you can deduct \$4,000 a year and build up twice as much. If not, you can contribute \$250 extra for a non-working spouse.

We can show you what an IRA can do for you. And help you choose the certificate that's right for you... fixed or floating rate, or a combination. Get in touch with a D&N IRA expert today. So when you're ready to retire your number, you'll have some big numbers to play with.

**IRA GROWTH CHART**

Number of years to retirement	Effective Annual Yield:	11%	12%	13%
10	Amount of Retirement	\$ 37,123	\$ 39,308	\$ 41,629
20		142,530	161,937	182,940
30		441,826	540,585	662,630
40		1,291,653	1,718,285	2,290,972

Based upon annual deposit of \$2,000 of the annual yields listed. Substantial penalty for early withdrawal.

**D&N DETROIT & NORTHERN SAVINGS**  
GO WITH THE PROS.

DETROIT AREA BRANCHES 751-6300  
GROSSE POINTE 19307 Mack Avenue, DETROIT 1153 Griswold Street, 1821 W. McChesley, 8500 Greenfield, FARMINGTON 2722 Orchard Lake Road, LIVONIA 2659 W. Five Mile Road, 52408 W. Five Mile Road, ROMEO 141 South Main Street, WARREN 8424 E. 12 Mile Road, 26681 Hoover Road, STERLING HEIGHTS 2270 East 16 Mile Road

**PRE-PLAN YOUR FUNERAL**

You'll Benefit 3 Ways!

- ECONOMY
- INNER SECURITY
- PERSONAL CHOICE

Call us - **YOUR Juneral Pre-Plan specialists**

**WILL FUNERAL HOMES**

25450 Plymouth Rd., 37000 Six Mile Rd.  
**937-3670**

LIVONIA **True Value HARDWARE**

## SKATE ON IN TO LIVONIA HARDWARE

<b>BOYS &amp; GIRLS Double Runner Shoe Skates</b> \$9.56 Style 380 Sizes 10-13	<b>AMERICAN GIRLS Figure Skates</b> \$21.50 Style 380 Sizes 13-4	<b>LADIES White Figure Skates</b> \$22.95 Style 552
<b>AMERICAN WILDCAT Boys Hockey Skates</b> \$27.95 Style 434 - Sizes 12-4 • Pro Style Tendon Guards • Padded Tongue • Impact Resistant Protected Toes • Canadian Tempered Steel Blades	<b>AMERICAN WILDCAT Men's Hockey Skates</b> \$31.95 Style 444 - Sizes 5-12 • Pro Style Tendon Guards • Padded Tongue • Impact Resistant Protected Toes • Canadian Tempered Steel Blades	

**HOCKEY ACCESSORIES -** Sticks, pucks, blade guards, replacement blades, ankle guards and SKATE SHARPENING!

**LIVONIA HARDWARE**  
5 Mile at Farmington GA21155 937/1611  
Daily 9-9 • Sat 9-7 • Sun 10-3