Wisconsin Wastewater Operators Association Annual Conference Workshop "Find It, Fund It, Fix it" Private Property Programs October 21st 2010 Joan B. Hawley, P.E.





Private Property Programs Overview

Joan B. Hawley. P.E. Superior Engineering

The first steps

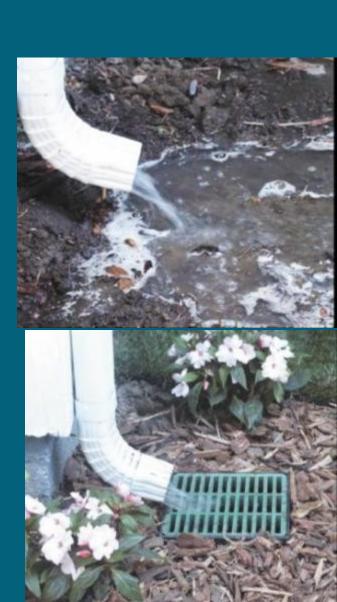
- Develop the Program
 - Legal/Ordinance Structure to er
 - Street Reconstruction Program
 - Identify initiatives
 - Insert photos of Internal Review (Marshfield examplement types of properties
- Then develop solutions (latera
- Develop Public Outreach
- Identify Stakeholders

Finding Private Property I/I

Ron Dickrell, Superintendent City of Marshfield

Identify the program

- What are your program elements?
 - Downspout disconnects?
 - Sump pump installation?
 - Lateral inspection and replacement?
 - Stormwater storage
 - Stormwater conveyance
- Identify the I/I sources and provide the best economical



Things to Consider

- Ordinance in Place
- Funds
- Fines
- City/Village Insurance ie League of Municipalities – Insurance

Funding

- Low Income
- Social impact
- Economic impact
- Using the right solution

Funding – Types

- Property Owner versus Municipality
- Taxes
- Fees
- Insurance
- Monthly/quarterly
- Assessments
- Grants



Village of Morton, IL

- 17,000 customers
- Sump pump disconnect program
- Property owner is responsible for the work
- \$500 grant





Campbellsport, Wi

- Over 700 homes replaced laterals
- On-going long term program
- Hickups in the beginning defined guidelines and eliminated some of them





Campbellsport, Wi

- Sewer Lateral Replacement Fund
 - \$5.00 fee to the quarterly bill
 - Customers need to apply for the application
- Replace during street reconstruction assess \$75/foot
- Approximately \$14,000 collected
- http://www.campbellsport.govoffice.com/



Program Highlights GSWSA, Conway, SC

- Voluntary Lateral Maintenance Program
 - Customer signs up for \$30/year (\$2.50/mth/REU*)
 - Maintenance includes:
 - Clearing blockages
 - Repairing lateral to building
 - Reimbursing sewer backup damages

Fiscal Year	Actual Revenue	Estimated Number of Customers	Approximate Percent of Customers Participating
2002	\$ 0.00	0	0 %
2003	\$ 43,043.00	1,550	3 %
2004	\$ 96,912.00	3,550	7 %
2005	\$ 219,667.50	7,940	16 %
2006	\$ 321,741.50	11,640	22 %

Johnson County

- www.jwc.org
- Started by "request" from EPA
- Foundation Drain Disconnect Program
- Reimbursement of funds
- Lots of documents/references available

NOTICE TO RESIDENT UNIFIED WASTEWATER DISTRICTS IS CULTURE IN A PROPERTY OF THE SHOPE OF THE PROPERTY OF THE

Vallejo Sanitation and Flood Control District

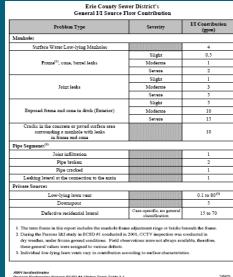
- Upper lateral Fee \$1.38/month/customer (2005)
- Inspection program
- www.vsfcd.org





Developer Rehabilitation Program *Erie County, New York*

- Applies to development in areas with capacity limitations
- Developers must rehabilitate existing sanitary sewers (which can include laterals) to remove I/I sources equivalent to 4 times the proposed peak flow for development
 - Developers pay for the lateral replacement costs
 - Property owners are responsible for the final restoration (including top soil, seeding, watering, etc.)





Program Highlights

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Smiling Faces. Beautiful Places.

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Program Highlights Auburn Hills, MI

- Program included:
 - Downspout extension
 - Footing drain / sump pump disconnection
 - Backflow prevention valves installed

 Under abatement order to eliminate overflow and basement flooding







Program Highlights Auburn Hills. MI (cont.)

- Paid for out of General Fund
- Implemented from 2000 through 2006
 - Discontinued because 99% of the homes were disconnected and metering results favorable
- Lessons Learned
 - Extremely effective at eliminating the excess flows in the system
 - Public education and relations are critical

SE MP PLMP TESTING, INSPECTION AND MAINTENANCE

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- he access plac from the name creed





3. If the name still does not activate, to activating the pump by plugging the pump motor directly into the order. Two pump comes with a "piggs



sensor for the pump and activates the others has aful on the source. The other owner cord for the gump motor. Plagging the pump motor cord already into the cutlet will act trap the pump



MAINTENANCE

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Hurr do Etropert and clean my check tube?

Hammy the plantic floor cone





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AGAINST BASEMENT FLOODING, A BACK-UP HYDRAUGIC SUMF FUMP OR BATTERY IS RECOVERENDED.

DISCONNECT PROJECT CITY OF AUBURN HILLS SUMP PUMP AND CHECK

BLOOMFIELD ORCHARDS FOOTING DRAIN

VALVE MAINTENANCE

Your home has been equipped with a Hydromatic -+ samp pump and samine valve). The same purer has been installed to gump ground water and of your house and into the more arway matem. This pump updates your horse to current planthing codes as adopted by the City of Auburn Hills.

In addition, a check salve or back-flor preventer was installed on your unitary sever lead to prevent basement. flooding as a result of namery newer

An ewace's manual was provided to you, which provides general care resourcements for your samp page.

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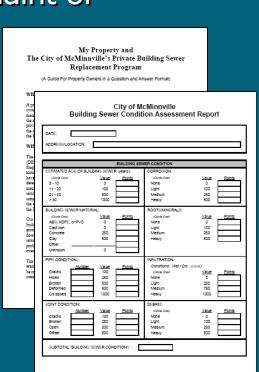


Program Highlights *McMinnville, Oregon*

Private Building Sewer Replacement Program

 City inspects lateral and assigns condition assessment rating after receiving complaint of lateral issue

- Homeowner responsible for replacing deficient lateral
 - City reimburses 10% up to \$250 for work completed within 90 days
- City replaces public portion of lateral and installs cleanout
 - Also done on major sewer projects
- Downspouts disconnected



Legal Issues

- Notification to property owners
- Inspect laterals
- Replace/Rehabilitate laterals
- Going on private property

Handout – Funding

- Who owns What and how is being paid for
- Lateral \$1.38/lateral/month sewer fee
- Campbellsport \$5/quarter/lateral/year
- Racine \$50/year per lateral within road
 City takes care of it

Find It

Ron Dickrell, Superintendent City of Marshfield