



Glenview Local Drainage Inspection Program

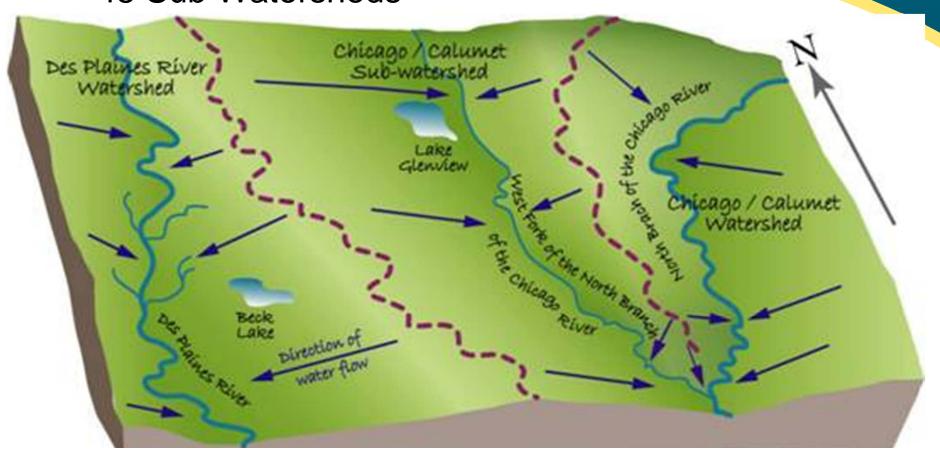




Glenview Overview

3 Primary Watersheds

48 Sub Watersheds



Stormwater Task Force – The Process

August 2007 and September 2008 storms – Trigger for public workshops





- 14 Workshop Meetings since January 2009
- Hosted 1 Public Storm Water Open House in August 2009
- Posted Materials on Village Website

http://www.glenview.il.us/departments/capital/swtaskforce/index.shtml

Flood Risk Reduction Program



Goal 1

Eliminate sanitary sewer basement back-ups for residents served by the Glenview Public Sewer System Goal

Reduce the risk and impacts of over-foundation flooding on Village residents and businesses where practical and cost-effective Goal

Improve local drainage infrastructure to meet the Village's current design standards throughout the community

Cost-sharing Programs

- Use public funds to leverage private improvements
- Ongoing Rain Garden Grant Program (50/50 up to \$1,000)
- 2010-11 one-time programs:
 - Overhead Sanitary Sewer Conversions
 - Immediate level-of-service improvement for the private homeowner
 - Village benefit (I&I) by requiring replacement of old service to the main
 - 50/50 cost-sharing up to \$7,500 (\$15,000 total project)
 - Local Drainage Inspection
 - "If I'd only known XYZ, I'd have done something about it..."
 - Confidential consultation with professional engineer
 - 50%-Village/50%-Homeowner

http://www.glenview.il.us/departments/development/inspectional/floodreductioncostshare.shtml

Village Board approves "Holistic Drainage Program in August of 2010 and funds at a 50/50 cost share



What Is It?

We call it the LDIP – Local Drainage Inspection Program. A voluntary technical assistance program available to residents who are interested in having a licensed professional engineer assess and identify potential solutions to their drainage problems

Who Benefits?

- Homeowner
- Neighborhood
- Village

Who Can Participate?

The program is open to all Village residents. As part of the program, the Village provides cost-share assistance that covers 50% of the \$800 inspection fee. Costs for design, permitting, and construction of any recommended improvements are not covered by the program.

What Are The Benefits?

- Site specific evaluation of local drainage problems and identification of potential solutions.
- Education of residents as to actions they can take to reduce the frequency and magnitude of localized flooding events
- Increased communication and interaction between the Village and property owners.

What Is Covered?

- One on-site inspection conducted by a P.E.
- Review of site conditions and drainage issues affecting the property.
- Recommendations for improvements that can be made to address drainage issues.
- A written report containing the results of the inspection and summarizing key findings and recommendations.

What Isn't Covered?

- Detailed design of the recommended improvements
- Acquisition of and permits required to implement recommended improvements.
- Actual construction, site, or landscape work.
- Additional site drainage inspections or follow up consultations.

How Does The Program Work?

 Resident contacts the Village by phone, in person or via website to fill out the Inspection Request Form.

- Upon completion the resident is directed to the Finance Dept. to pay their 50% (\$400) of the inspection fee.
- Notification email is sent B&W that fee is paid.
- B&W contacts the resident to briefly discuss the issues and set an inspection date.

How Does The Program Work?

- At the conclusion of the inspection, the findings are reviewed with the property owner and recommendations are offered on potential improvements.
- Within 2 weeks the residents will receive the personalized written report containing the results of the inspection and summary of the key findings and recommendations.
- The report also contains a list of local contractors and a \$200 permit voucher.

Inspection Request Form



Initial Request Notification

From: system@aaaa.com]

Sent: Thursday, November 04, 2010 10:01 am

To: bbb@aaa.com

Subject: Glenview Site Drainage Inspection Request [10-0117]

New Site Drainage Inspection Request

Request Date: 11/4/2010 Number: 10-0117 Name: Jane Doe

Address: 1001 Main Drive City/State/Zip: Glenview, IL 60025

Home Phone: 847-555-1212

Work Phone: 312-555-1212 (Tues & Wed only)

Cell Phone: 847-555-1212 EMail: <u>idoe@aaaa.com</u>

Contact Via: Home

Best Time To Call: Anytime

Description of Drainage Problem:

In past flooded 3 times. Lot is lower than houses on west and south which drain on my lot. Plus, my lot has gentle slope towards house. Because of mature trees, we were advised to

Has Basement:

Water Enters Basement:

How:

Other Water Entry Details:

View Link: http://dev.bwcsi.com/MAFS/inspection/inspectionDetail.aspx?id=adb8d16o-dc81-405e-be5c-oabcob37232f

(Project Team Notification)

Payment Received Notification

From: system@aaaa.com]

Sent: Friday, September 17, 2010 8:44 am

To: bbb@aaa.com

Subject: Glenview Local Drainage Inspection Program - Payment Received

Site Drainage Payment

Number: 10-0117 Name: Jane Doe

Address: 1001 Main Drive

City/State/Zip: Glenview, IL 60025

Home Phone: 847-555-1212

Work Phone: 312-555-1212 (Tues & Wed only)

Cell Phone: 847-555-1212
EMail: jdoe@aaaa.com
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Best Time To Call: Anytime

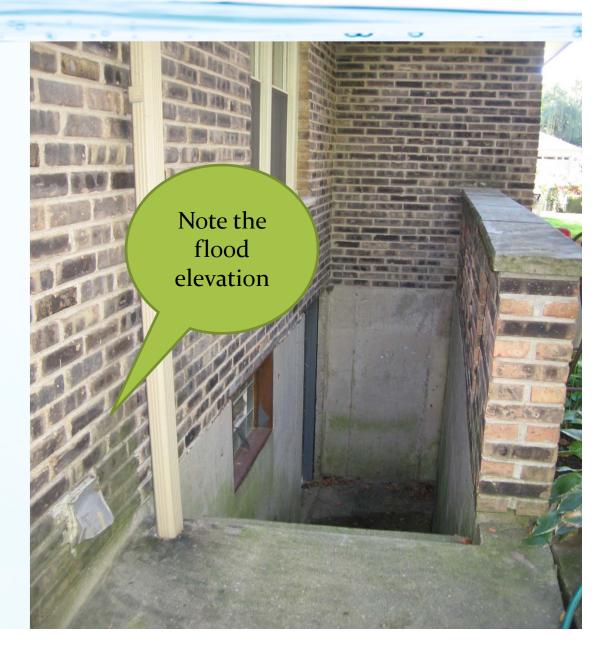
View Link: http://dev.bwcsi.com/MAFS/inspection/inspectionDetail.aspx?id=12d2092c-f615-47cb-ac43-b7342cef7c64

Payment Received: 9/17/2010 Payment Received By: system

Back yard view of home on the West Fork-North Branch of the Chicago River



The stairwell floods and while the door seals fairly well, not so the window.



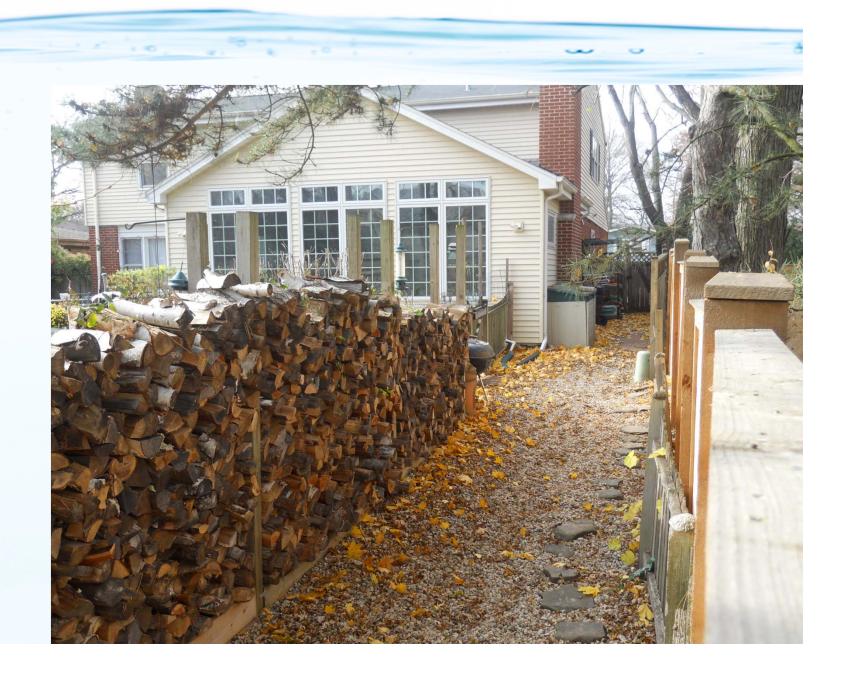




• Flooding in Basement

	Ali	ternative I	
	0	Extend and improve existing window wells	\$ 2,400
	0	Install concrete "curb" at top of exterior stairwell	\$ 400
	0	Install "sluice gate" at top of exterior stairwell	\$ 6,500
	Ali	ternative 2	
	0	Install floodwall around exterior of home	\$38,500
• Pa	ondii	ng in Basement	
	0	Video camera line inspection	\$ 400
	0	Repair existing perimeter foundation drain	\$ 1,600
	0	Install floor drain and interior perimeter foundation drain	\$ 2,800
	0	Re-hang existing downspout	\$ 500
	0	Hang new downspout	\$ 500
	0	Re-grade and reconstruct sidewalk	\$ 1,000

Looking at the rear yard of neighbor



Rear yard looking at upstream neighbor



Rear view of home.

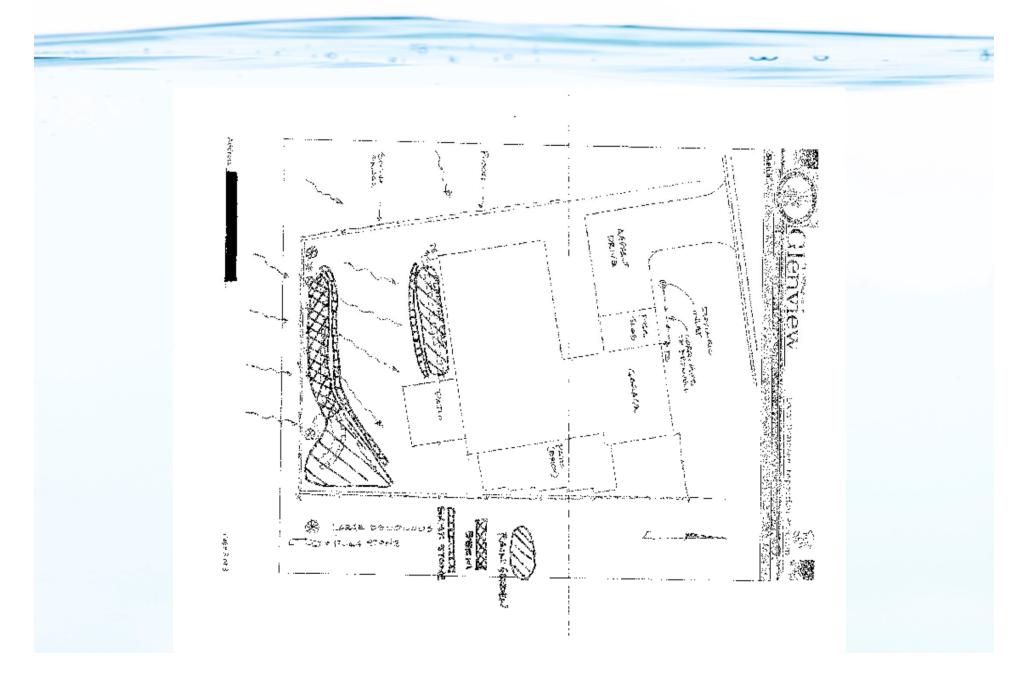


Rear looking East

• Excess Runoff from neighbor to the south

0	Rear yard berm	\$600
0	Rear yard rain garden	\$1,400
0	Back of house rain garden	\$1,000

- Excess Runoff from neighbor to the west and flat driveway
 - o Reconstruct drive with permeable pavers and depress drive approach curb. \$10,500



Program Status

- Nine inspections beginning at the end of September through November .
- No Rain in October of 2010.
- No implementation yet.
- Follow up survey to be sent to the first nine.

Questions

http://www.glenview.il.us/departments/development/inspectional/floodreductioncostshare.shtml

http://www.glenview.il.us/departments/capital/swtaskforce/index.shtml

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