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

• Comprised of 16 Residents

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

Goal 3: 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.
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: jdoe@aaaa.com
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=adb8d160-dc81-405e-be5c-0abcob37232f

(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
Contact Via: Home
Best Time To Call: Anytime

View Link: http://dev.bwcsi.com/MAFS/inspection/inspectionDetail.aspx?id=12d2092c-f615-47cb-ac43-b7342ce7c64

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

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.

Note the flood elevation
Floodplain Property

Nice Mold in the stairwell!
Floodplain Property

Window
well
Floodplain Property

- **Flooding in Basement**
  
  **Alternative 1**
  - Extend and improve existing window wells $2,400
  - Install concrete “curb” at top of exterior stairwell $400
  - Install “sluice gate” at top of exterior stairwell $6,500

  **Alternative 2**
  - Install floodwall around exterior of home $38,500

- **Ponding in Basement**
  - Video camera line inspection $00,400
  - Repair existing perimeter foundation drain $1,600
  - Install floor drain and interior perimeter foundation drain $2,800
  - Re-hang existing downspout $00,500
  - Hang new downspout $00,500
  - Re-grade and reconstruct sidewalk $01,000
Overland Flow

Looking at the rear yard of neighbor
Overland Flow

Rear yard looking at upstream neighbor
Overland Flow

Rear view of home.
Overland Flow

Rear looking East
Overland Flow

- **Excess Runoff from neighbor to the south**
  - Rear yard berm $600
  - Rear yard rain garden $1,400
  - Back of house rain garden $1,000

- **Excess Runoff from neighbor to the west and flat driveway**
  - Reconstruct drive with permeable pavers and depress drive approach curb $10,500
Overland Flow
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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