



Municipal Expertise. Community Commitment.

Patricia K Barker, PE, CFM

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May 28, 2014

Project No.: 05-770.SH

Illinois Environmental Protection Agency
Water Pollution Control
Compliance Assurance Section #19
P.O. Box 19276
Springfield, IL 62794-9276

RE: Village of South Holland
NPDES Permit MS4 Annual Report
Permit No. ILR40 - 0451

Dear Sir/Madam:

Enclosed please find the following items in regard to the NPDES Permit for Storm Water Discharges from Municipal Separate Storm Sewer Systems (MS4) for the Village of South Holland:

- MS4 Annual Facility Inspection Report for 2013-2014
- Summary and Schedule of Proposed Best Management Practices
- Attachment 1 (summarizing status of Minimum Control Measures)
- Various Attachments supporting Minimum Control Measures

This documentation has also been emailed to epa.ms4annualinsp@illinois.gov. If you have any questions, please call me at (708) 210-5697.

Very truly yours,

ROBINSON ENGINEERING, LTD.

Patricia K Barker, PE, CFM
Village Engineer

JJD/pkb

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Encl.

xc: George Gunkel, Deputy Director of Public Works – Village of South Holland w/ Encl.
Jeff Hon, Director of Public Works – Village of South Holland
IEPA-Des Plaines office
Jon Dykstra – REL



Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.

Report Period: From March, 2013 To March, 2014

Permit No. ILR40 0451

MS4 OPERATOR INFORMATION: (As it appears on the current permit)

Name: Village of South Holland Mailing Address 1: 16226 Wausau Avenue
Mailing Address 2: County: Cook
City: South Holland State: IL Zip: 60473 Telephone: 708-210-2935
Contact Person: George Gunkel Email Address: ggunkel@southholland.org
(Person responsible for Annual Report)

Name(s) of governmental entity(ies) in which MS4 is located: (As it appears on the current permit)

Cook County

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

- | | | | |
|--|--------------------------|---|--------------------------|
| 1. Public Education and Outreach | <input type="checkbox"/> | 4. Construction Site Runoff Control | <input type="checkbox"/> |
| 2. Public Participation/Involvement | <input type="checkbox"/> | 5. Post-Construction Runoff Control | <input type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping | <input type="checkbox"/> |

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)


E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))


Owner Signature:
George Gunkel

Printed Name:


Date:
Deputy Director of Public Works
Title:

EMAIL COMPLETED FORM TO: epa.ms4annualinsp@illinois.gov

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
1021 NORTH GRAND AVENUE EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

VILLAGE OF SOUTH HOLLAND

SUMMARY AND SCHEDULE OF PROPOSED BEST MANAGEMENT PRACTICES							
MINIMUM CONTROL MEASURE		PREVIOUSLY COMPLETED	MAR-13	MAR-14	MAR-15	MAR-16	MAR-17
A. Public Education and Outreach on Stormwater Impacts							
A1	Literature Distribution (brochure & newsletter)	X	X	X	A		
A4	"Take-a-Bite" out of Grime annual event	X	X	X	A		
A6	Other Public Education (website information)	X	X	X	A		
B. Public Involvement/ Participation							
B4	Public Hearing	X	X	D	A		
B7	"Take-a-Bite" out of Grime annual event	X	X	X	A		
C. Illicit Discharge Detection and Elimination							
C1	Storm Sewer Map Assessment	X		X			
	Storm Sewer Map Preparation	X		X			
	Field Identification of Outfalls	X					
	Storm Sewer Map Update Program	X	X	X	A		
C2	Regulatory Control Program	X					
	- Sewer Use Ordinance	X	X	X	A		
C7	Visual Dry Weather Screening Program	X	X	X	A		
D. Construction Site Storm Water Runoff Control							
D1	Regulatory Control Program	X					
	- Review of Current Ordinances	X					
	- Draft of Proposed Ordinance	X					
	- Board Review of Proposed Ordinance	X					
	- Public Hearing on Proposed Ordinance	X					
	- Adopt Ordinance	X					
	- Enforcement Ongoing	X	X	X	A		
D2	Erosion and Sediment Control BMP's	X	X	X	A		
D4	Site Plan Review Procedures	X	X	X	A		
D6	Site Inspection/Enforcement Procedures	X	X	X	A		
E. Post-Construction Storm Water Management							
E2	Regulatory Control Program	X					
	- Review of Current Ordinances	X					
	- Draft of Proposed Ordinance	X					
	- Board Review of Proposed Ordinance	X					
	- Public Hearing on Proposed Ordinance	X					
	- Adopt Ordinance	X					
	- Enforcement Ongoing	X	X	X	A		
E3	Long Term O&M Procedures	X	X	X	A		
E4	Pre-Construction Review of BMP Designs	X	X	X	A		
E5	Site Inspections During Construction	X	X	X	A		
E6	Post-Construction Inspections	X	X	X	A		
F. Pollution Prevention/Good Housekeeping							
F1	Employee Training Program	X	X	X	A		
F2	Inspection & Maintenance Program	X	X	X	A		
F3 & F4	Municipal Operations for Stormwater Control and Waste Disposal	2012 NEW SWPPP					
	- Audit existing BMP's	X					
	- Audit problem areas	X					
	- Plan new BMP's and Procedures	X					
	- Implement Program	X	X	X	A		
F5	Flood Management/Assess Guidelines	X	X	X	A		

A = Future Required Annual Activity
R = Future One-time Required Activity
D = Deferred Activity

X = Completed Activity

Village of South Holland

NPDES Permit No. ILR40 0451

Annual Facility Inspection Report Attachment 1

March 2013 to March 2014

May 28, 2014

Content:	Page Number:
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Item A: Description of Changes to BMPs	2
Item B: Status of compliance with permit conditions and assessment of minimum control measures	2
Item C: Results of information collected and analyzed, monitoring data (if any).	3
Item D: Summary of stormwater activities you plan to undertake during the next reporting cycle (and implementation schedule).	3
Item E: Notice that you are relying on another governmental entity to satisfy some of your permit obligations (if applicable).	4
Item F: List of construction projects that your entity has paid for during the reporting period.	4

Any questions or comments regarding this report shall be directed to either of the following:

Mr. George Gunkel, Village of South Holland, Deputy Director Public Works
708-210-2935 or ggunkel@southholland.org

Ms. Patricia K Barker, Robinson Engineering
708-210-5697 or pbarker@reltd.com



Village of South Holland, NPDES Permit No. ILR40 0451
Annual Facility Inspection Report - Supplemental Information
March 2013 to March 2014
May 28, 2014

Item A: Description of Changes to BMPs

No changes in Village BMPs have been made during this cycle.

**Item B: Status of compliance with permit conditions
and assessment of minimum control measures**

- A. The Village NOI was renewed September 2013. The Village believes that the BMPs identified in the NOI are still appropriate. The status of compliance is indicated on the attached Summary that is numbered to correspond with the permit application. The implementation of the BMPs has progressed according to plan during the reporting period:

Public Education and Outreach

A1: Distributed Paper Material (Newsletter and Brochure)

The Village's Newsletter South Holland Today has been used to reach out to residents and businesses about a variety of topics. Articles or information appeared in 6 out of 10 publications throughout this year. Samples are enclosed, highlighting cleanup days, yard waste, chipping services, and flood proofing. New brochures were prepared in 2012 and 2013 for distribution at Village Hall, Public Works, and Code Enforcement.

A4: Take a Bite out of Grime Annual Event

The Village held its Take a Bite Out of Grime/Electronics Recycling event on May 11, 2013. All residents can participate. See enclosed event information. Information on electronic Waste Disposal Sites is distributed by the Village throughout the year via the website.

A6: Other Public Education (Website)

The Village Website was recently revised and upgraded in 2013 and is used to post information throughout the reporting cycle (samples enclosed). 2 Videos on Flood Protection were produced by the Village in 2012 and are posted on the website (info attached).

Public Participation and Involvement

B4: Public Hearing

The Village did not hold its annual informational Public Hearing during the actual reporting cycle. However, the Village did present information at the April 21, 2014

public Board Meeting about the new MWRD Watershed Management Ordinance, and adopted this ordinance at the May 20, 2014 Board Meeting.

B7: Other Public Involvement (Annual Cleanup Event)

The Village held its Take a Bite Out of Grime/Electronics Recycling event on May 11, 2013. See enclosed website information. Information on electronic Waste Disposal Sites is distributed by the Village throughout the year via the website.

Illicit Discharge Detection and Elimination

C1: Storm Sewer Map Preparation

The Village has an up-to-date Storm Sewer Map on which the storm sewer sizes are included with lengths to scale.

September 2013, the Village prepared an inventory list and map of all channels and structures with inspection schedules.

C2: Regulatory Control Program (Ordinance)

The Village enforces its ordinance for Illicit Discharge Detection and Elimination, and also relies on a similar ordinance available from the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) for enforcement.

C7: Visual Dry Weather Screening

The Village conducted dry weather Outfall Inspections of its outfalls during the reporting cycle. Storm sewers were inspected and cleaned and/or repaired during the cycle and this is done on a yearly basis

Construction Site Runoff Control

D1: Regulatory Control Program (Ordinance)

There have been no changes to the codes during this cycle, but the Village continues to enforce its regulatory control program for construction site runoff control. Village Ordinance Division 1 S#6-19 provides for Erosion and Sediment Control.

D2: Erosion and Sediment Control BMPs

Erosion and Sediment Control BMP's are required for all developments.

D4 and D6: Site Plan Review Procedures

Robinson Engineering performs site plan reviews for the Village. Projects over one acre are required to obtain a Notice of Intent prior to construction. A SWPPP is required with plan sets. The Village monitors and enforces erosion control requirements for developments. The Village requires Weekly inspection reports from developers of active projects. The Village performs audit inspections as needed.

Post-Construction Runoff Control

E2: Regulatory Control Program (Ordinance)

There have been no changes to the codes during this cycle. Village Ordinance D1 Section 14-56 provides for Post Construction Storm Water Runoff Control.

E3: Long Term O&M Procedures

These are required and reviewed where applicable during the site plan review process.

E4: Pre-Construction Review of BMP Designs

The ordinance requirements are enforced during the site plan review stage of a development. The site plan reviews include a review of the BMP designs.

E5: Site Inspections During Construction

Weekly inspection reports are required from developers of active projects. Periodic or surprise audit inspections are conducted by the Village or its consultant as needed.

E6: Post-Construction Inspections

Stormwater management systems are inspected during the year depending on staff availability. Inspected storm sewers and structures that are found to be in need of maintenance are cleaned, vacuumed, or jetted as needed.

Pollution Prevention and Good Housekeeping**F1: Employee Training Program**

The Village provided annual training last fall on proper salting practices and salt accountability training during this reporting cycle. Public Works employees are also informally trained on street sweeping and storm sewer inspections on a yearly basis.

F2: The Inspection and Maintenance Program

The inspection and maintenance program includes Routine maintenance of Village streets, storm sewers, ditches, and stormwater facilities as part of the Public Works responsibilities. This includes sweeping, vacuuming, jetting, repair, debris and branch and leaf collection, etc.

- a. Street-sweeping was performed in April through October of the reporting period.
- b. Catch Basins are cleaned yearly during the reporting period. The Village has cleaned all catch basins at least once during the reporting cycle.
- c. Storm Sewers were inspected and cleaned on an as needed basis during the reporting cycle.
- d. Snow Plowing and Deicing of roadways was conducted during the cold weather months.

F3 and F4: Municipal Operations Storm Water Control and Waste Disposal

For Municipal Operations Storm Water Control, in 2012 the Village completed a SWPPP Manual and Spill Response Plan for its Maintenance Yard and Operations. The plans did not require any updates during the reporting cycle.

F5: Flood Management/Assessment Guidelines

The Village code includes Flood Regulations which enforce floodplain and flood hazard regulations for any development in or near to floodplains. Reviews for such development are handled by Robinson Engineering.

Item C: Results of information collected and analyzed, monitoring data (if any).

No monitoring data has been collected.

Item D: Summary of stormwater activities you plan to undertake during the next reporting cycle (and implementation schedule).

See the attached Summary that is numbered to correspond with the renewed Notice of Intent.

Item E: Notice that you are relying on another governmental entity to satisfy some of your permit obligations (if applicable).

Not applicable. The Village of South Holland does not rely on another governmental entity to satisfy NPDES permit obligations at this time.

Item F: List of construction projects that your entity has paid for during the reporting period.

The following is a list of contracts that the Village let and constructed during this reporting period:

- None this reporting period.

SAMPLE APPLICATION FORM

VILLAGE OF SOUTH HOLLAND FLOOD ASSISTANCE PROGRAM APPLICATION

Date _____ File No. _____

Name (Please Print) _____

Address _____ South Holland, IL _____

Phone _____

Community #170163 Flood Zone _____ Panel #000 _____ F

Type of work to be performed _____

Cost of Project \$ _____

Rebate Amount \$ _____

Past Application(s) _____

Past File No. (S) _____

Cost of Past Project(s) \$ _____

Past Rebate Amount \$ _____

Contractor _____

Phone _____

SH Village License _____

Comments: _____

Applicants Signature _____

Date _____

Village Approval _____

Date _____

The Village of South Holland assumes no responsibility for the failure, or the associated losses due to the failure of any flood mitigation prevention project receiving rebate funding.

South²lland

FLOOD ASSISTANCE REBATE PROGRAM



Village of South Holland
16240 Wausau Avenue
South Holland, IL 60473

www.southholland.org

A Long Standing Serious Problem

April showers bring May flowers, as the saying goes. Sometimes those showers become downpours, and if they continue too long, they bring problems. Flooding, experienced by many communities along the Little Calumet River and its tributaries, has become a major issue in recent years. Natural avenues for escape of excess rainfall have been replaced by concrete and blacktop. Waterways have been polluted and clogged by illegal dumping, erosion and sedimentation. Development for former wetlands has reduced floodwater storage areas. Although flooding has occurred along South Holland's streams since the last glacier left Illinois, our worst flood in history occurred in late November 1990, prompting the Village to prepare a floodplain plan. This plan, adopted in May, 1994, provides financial assistance in the form of rebates to residents with qualifying projects.

The Rebate Program

This program offers owners of an owner occupied single family residence a 25% rebate for flood control projects they undertake such as the installation of overhead sewers and drain tile and the elevation of landscaping for improved drainage pattern and around homes, up to a maximum of \$1500 for the project.

Do You Qualify?

Applications for projects must be submitted to the Flood Assistance Coordinator, Fred Block, for pre-approval. Two estimates and the recommendation of a contractor are required. After the work is completed, your property will be inspected to verify compliance with code requirements. All contractors must be licensed and bonded with the Village of South Holland.

Types of Pre-Approved Projects Funded

- Surface Water Projects
 - Diversion of downspout water
 - Flood Walls
- Sewer Backup Projects
 - Overhead sewers (repair and install)
 - Removal of sump pump and downspout connections from sanitary sewers
 - Backflow valves
- Subsurface Projects
 - Interior drain tile
 - Exterior drain tile
 - Repair of cracks in foundation walls
 - Waterproofing of foundation walls

Applying for A Rebate

The homeowner must fill out an application. Project drawings, paid receipts and the property index number (PIN) must be provided. Two bid proposals are required. All projects must be pre-approved by the Village of South Holland. An on-site inspection is required and, in most cases, a permit is required. Be sure to allow two to three weeks for preapproval.



To apply for a rebate:

Contact Fred Block

Village of South Holland

Flood Assistance Coordinator

(708) 210-2915 to schedule an appointment

Relocation

Moving an existing structure outside the Floodplain.

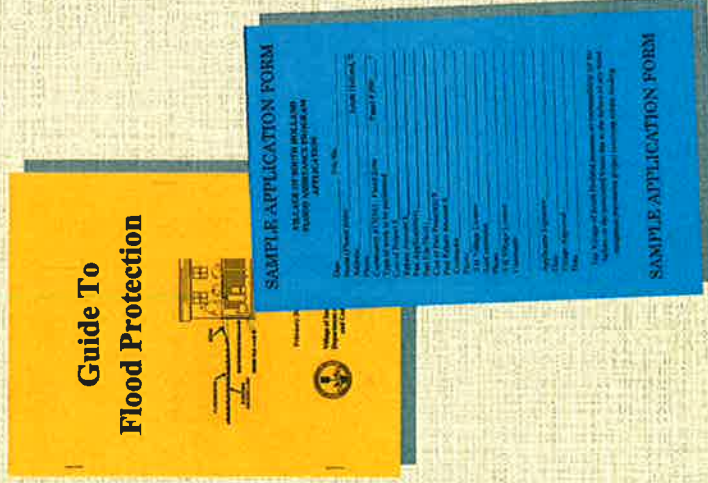
Precautions: Structural relocation professionals should be consulted to identify important factors to consider when relocating a structure.

Floodwalls/Levees

Placing floodwalls or building levees are examples of engineered structures designed to keep floodwaters from coming into contact with the structure.

Precautions: Local zoning and building codes may restrict the height and location of floodwalls and levees.

For Questions regarding Retrofitting
or the Village Flood Assistance Program
Contact us at 708-210-2915
www.southholland.org



South₂olland
**Flood
Protection
Program**

Home Owner's Guide to Retrofitting

Village of South Holland
16240 Wausau Avenue
South Holland, IL 60473

www.southholland.org



How Can I Protect My Home From Flooding?

A building can be protected from most flood hazards, sometimes at a relatively low cost. New buildings and additions can be elevated above flood levels. Existing buildings can be protected from shallow floodwaters by regrading, berms, or floodwalls. There are other retrofitting techniques that can protect a building from surface or subsurface water.

Some of the most common retrofitting techniques include: Elevation, Dry Floodproofing, Wet Floodproofing, Relocation and Floodwalls or Levees.

Elevation

Elevating an existing structure so that the lowest floor is above the Base Flood Elevation (BFE) and out of the floodplain.



Precautions: Elevated structures may encounter additional wind forces on wall and roof systems, and the existing footing may experience additional loading. Extended and open foundations are subject to undermining, movement and impact failures.



Dry Floodproofing

Strengthening the existing foundations, floors and walls to withstand flood forces.



Precautions: Dry Floodproofing is not allowed under National Flood Insurance Program (NFIP) for new and substantially damaged or improved residential structures located in a Special Flood Hazard Area. Dry Floodproofing is not recommended for structures with basements.

Wet Floodproofing

Making utilities, structure components and contents flood and water-resistant.



Precautions: Wet Floodproofing is not allowed under NFIP for new and substantially damaged or improved residential structures located in a Special Flood Hazard Area.

Find out if your property is within the mapped floodplain by contacting us at 708-210-2915.

Why Do I Need Flood Insurance?

The Flood Disaster Protection Act of 1973 requires flood insurance on federally backed mortgages for structures located or to be located in the floodplain. Since flooding is not covered by standard property insurance, additional insurance is required for property located within the floodplain (Zone A or AE on the FIRM map). Please note that flood insurance can be purchased for *ANY* property, but is only required for properties with federally backed mortgages located within the floodplain.

Which Type of Flood Insurance Do I Need?

Most homeowners' insurance policies do not cover a property for flood damage. *ANY* house in South Holland can be covered by a flood insurance policy. Detached garages and accessory buildings are covered under the policy for the lot's main building. There are two types of coverage, which can be purchased separately:

Structural Coverage covers everything that stays with a house when it is sold, including the furnace, cabinets, built-in appliances, and wall-to-wall carpeting.

Contents Coverage covers furniture and other personal possessions except for money, valuable papers, etc.

Renters can buy contents coverage, even if the owner does not buy structural coverage on the building. There is no coverage for things outside the house, like the driveway and landscaping.

If you have a policy, check it closely. You may only have structural coverage. Banks require flood insurance for mortgages and home improvement loans. However, they only require structural coverage.

Don't wait for the next flood to buy insurance protection. There is a 30-day waiting period before National Flood Insurance coverage takes effect. Contact your insurance agent for more information on rates and coverage.



For additional information on flooding, visit
FEMA's website: www.fema.gov/nfip



South²Holland

Flood Protection Program

Home Owner's Guide to Flood Insurance

Village of South Holland
16240 Wausau Avenue
South Holland, IL 60473

www.southholland.org

National Flood Insurance Program

The National Flood Insurance Program (NFIP) is a Federal program enabling property owners to purchase flood insurance. Participation in the NFIP is based on an agreement between the local community and the Federal Government. It states that if the community will adopt and enforce certain floodplain management regulations to ensure safe development of flood prone areas, the Federal Government will make flood insurance available within the community as a financial protection against flood losses.

What are the different flood hazard zone designations and what do they mean?



The Federal Emergency Management Agency (FEMA) determines the flood zones. Flood Insurance Rate Maps (FIRM) are produced by FEMA. These maps depict the various flood zones covering the village. The three flood zones present in South Holland are Zone A, AE and X.



Zone A is the area within the 100-year flood with no base flood elevations determined or depths are shown within this zone. Mandatory flood insurance purchase requirements apply.



Zone AE is the area subject to inundation by the 100-year storm event. Base flood elevations are shown within this zone. Mandatory flood insurance purchase requirements apply



Zone X is the area outside of a Special Flood Hazard Area 100-year flood. Zone X is further defined as areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile. These are minimal-risk areas where flood insurance is not mandatory.



What is a 100-year or 500-year flood?

The term "100-year flood" is the flood elevation that has a 1-percent chance of being equaled or exceeded each year. Thus, the 100-year flood could occur more than once in a relatively short period of time. While the 100-year flood is a somewhat rare event, a structure located within a Special Flood Hazard Area shown on a Flood Insurance Rate Map has a 26 percent chance of suffering flood damage during the term of a 30-year mortgage. A 500-year flood is the flood elevation that has a 0.5-percent chance of being equaled or exceeded each year.

How is the Flood Zone for my property or my house determined?

The elevation of the property where your home meets the ground is compared to the Base Flood Elevation (BFE) shown on the Flood Insurance Rate Map (FIRM) for your area. The BFE is the elevation, measured in feet above sea level that FEMA has determined floodwater will reach in the event of a 100-year flood. If the elevation where the structure and ground meet is higher than the BFE, then the structure is considered to be in Zone X. If the elevation where the structure and the ground meet is lower than the BFE, then the structure is considered to be in a Special Flood Hazard Area (Zones A, AE, AO or VE).

If a community is not properly or fully implementing the credited activities, its credit points, and possibly its CRS classification, will be revised. A community may add credited activities each year in order to improve its CRS classification.

Credit criteria will change over time as experienced is gained in implementing, observing, and measuring the activities and as new concepts in floodplain management come into common practice. As innovations arise, they will be considered for recognition under the CRS.



For more information on the
Community Rating System, visit
FEMA's website: www.fema.gov/nfip



South^{H₂}olland

*Flood
Protection
Program*

What is the Community Rating System?

Village of South Holland
16240 Wausau Avenue
South Holland, IL 60473

www.southholland.org

Community Rating System (CRS)

The CRS rewards communities that voluntarily take steps to reduce the risk of flooding, and increase the effectiveness of flood protection, above and beyond those minimum actions required for participation in the National Flood Insurance Program (NFIP).

As a result of participation in the CRS, the cost of flood insurance for residents is reduced based on the number of activities the community undertakes and the points it receives for those activities

- Elevation Certificates
- Maintaining Flood Data
- Map Information
- Stormwater Management
- Floodplain Management Planning
- Hazard Disclosure
- Acquisition and Relocation
- Retrofitting
- Flood Protection Assistance
- Drainage System Maintenance
- Developing Additional Flood Data
- Adopting Higher Regulatory Standards

CRS provides credit for adopting, implementing, evaluating and updating a comprehensive floodplain management plan.

Programs that are based on a comprehensive floodplain management plan address all the community's floodplain problems more effectively, by looking at the entire system rather than dealing with problems individually.

To be recognized in the insurance rating system, community floodplain management activities must be described, measured, and evaluated. The basic tool for this is the CRS Schedule, which sets forth the application procedures, creditable activities, and the credit points assigned to each activity. A community receives a CRS classification based upon the total score for its activities.

Credit Points	CRS Class	Premium Discount
* 2,500-2,999	5	25%
2,000-2,499	6	20%
1,500-1,999	7	15%
1,000-1,499	8	10%
500-999	9	5%
0-499	10	0%

* South Holland is certified as CRS Class 5

What Are CRS Classes?

There are 10 CRS classes: Class 1 requires the most credit points and gives the greatest premium reduction; Class 10 receives no premium reduction. A community that does not apply for the CRS, or does not obtain the minimum number of credit points, is a Class 10 community.

Can the CRS Class Change?

The community's activities and performance are reviewed during a verification visit. The Federal Emergency Management Agency (FEMA) sets the credit to be granted and notifies the community, the State, insurance companies, and other appropriate parties. The classification is effective on either May 1 or October 1, whichever comes first after the community's program is verified.

Each year the community must recertify or re-verify that it is continuing to perform the activities that are being credited by the CRS. Recertification is an annual activity that includes progress reports for certain activities. The cycle verification takes place every few years and is conducted in the form of another verification visit to the community.

What is the Village of South Holland Doing to Improve Water Quality?

During construction, all sites are required to filter storm water leaving the site.

The village requires all new developments install storm structures marked with "Drains to Creek" and "Dump No Waste" as shown in the picture below.



As part of the review process, all developments (residential and commercial) are required to include notes and details on the engineering drawing in compliance with the NPDES Phase II regulations. These regulations, by FEMA, were established to improve water quality by

For Questions regarding
the Home Owner's Guide to Residential Sewer
Systems contact us at 708-210-2915
www.southholland.org



South^{H₂}olland

**Flood
Protection
Program**

***How Can
I Help
Improve the
Quality of
Water in
South Holland?***

Village of South Holland
16240 Wausau Avenue
South Holland, IL 60473

www.southholland.org

The storm drainage system carries untreated storm water runoff directly to creeks and rivers. Improper pouring of wastes into storm drains directly impacts our environment. Oil, paint, fertilizer and pesticides pollute the water; destroy plants; endanger wildlife and affect drinking water. The pollutants most commonly dumped into storm drains are motor oil, fertilizer, antifreeze, pesticides, herbicides and paint.



Sanitary Sump

One quart of oil can contaminate 250,000 gallons of water. The oil from one motor oil change can create an 8 acre oil slick. Antifreeze is toxic to people, domestic animals and wildlife. Paint products can be harmful to people, animals and the environment.

Herbicides destroy streamside brush and vegetation as well as animals. Fertilizers encourage the growth of algae, which can reduce the amount of oxygen in the water and lead to fish kills.

What Are the Benefits of Improved Water Quality?

- We have clean water in our rivers for drinking, wildlife and recreation.
- Storm drainage facilities that are free of sediment and trash require less maintenance
- Stream corridors provide a healthy habitat for wildlife and an attractive space in a neighborhood

How Can Residence Help Improve Water Quality?

- Properly store and dispose of oils, chemicals, antifreeze and other toxic material.
- Never dump any waste in the storm drain. Dispose of litter and animal waste in a trashcan. Sweep sidewalks, gutters, driveways and other paved surfaces. Put the debris in the trashcan.

- Use garden chemical sparingly and only when necessary lest they get washed into the creek.

- If you see dumping or debris in the ditches or basins, filling or construction near property lot lines, or filling or construction in the floodplain without a permit sign posted, contact the Village of South Holland at 708-210-2915



When sheds, fences, shrubs, planters and other structures are placed in locations which obstruct the designed flow paths of the lot, the result can be any of the following:

- Basement flooding
- Standing water
- Sewer backups
- Erosion

These problems can all be avoided by noting the type of drainage on your lot and ensuring that any structures placed on the yard are properly permitted and do not obstruct the pre-defined flow path.

For Questions regarding Lot Grading
contact us at 708-210-2915
www.southholland.org



South^{H₂}olland

*Flood
Protection
Program*

Homeowner's Guide to Residential Lot Grading

Village of South Holland
16240 Wausau Avenue
South Holland, IL 60473

www.southholland.org

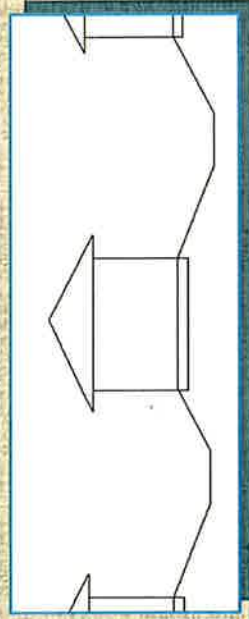
There are three types of residential lot grading plans:

Type 1. Drainage on the front half of the lot is directed towards the front of the lot, and drainage on the back half of the lot is directed towards the back of the lot.

Type 2. All the overland drainage on the lot is directed to the street at the front of the lot.

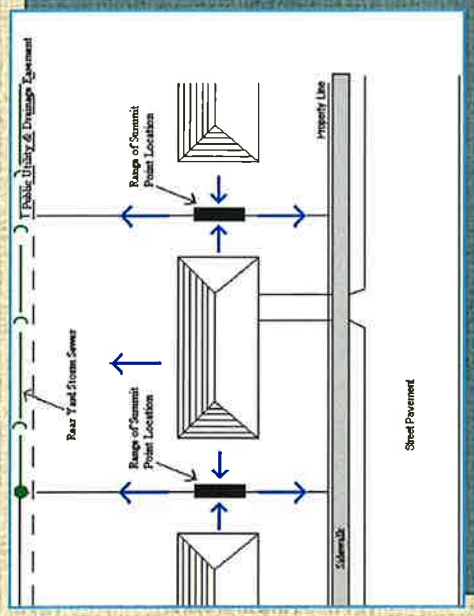
Type 3. All drainage is directed to the back of the lot.

The type of drainage for each lot is determined by the grading of the lot before development. Regardless of the type of grading, it is important that every lot be graded in such a way that storm water runoff flows away from the house.



Type 1

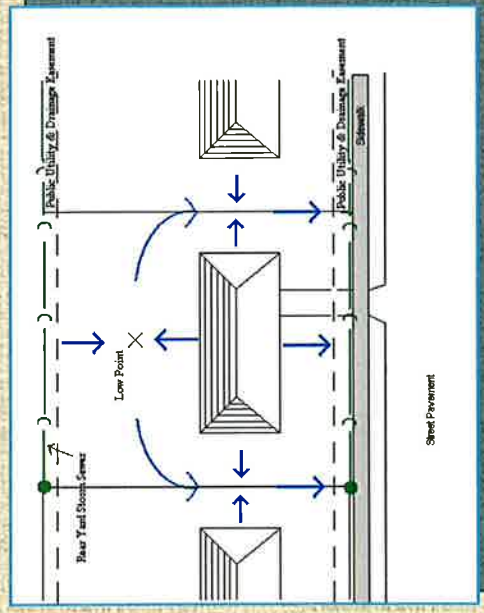
The most common type of grading is Type 1. A lot with this type of drainage has a summit point (high point) along the side lot line forcing runoff from the front yard towards the street and runoff from the backyard to a ditch or overland flow swale along the rear lot line.



Example of Type 1 Grading

Type 2

The second type of lot grading directs all the overland drainage from the lot to the street at the front lot line.

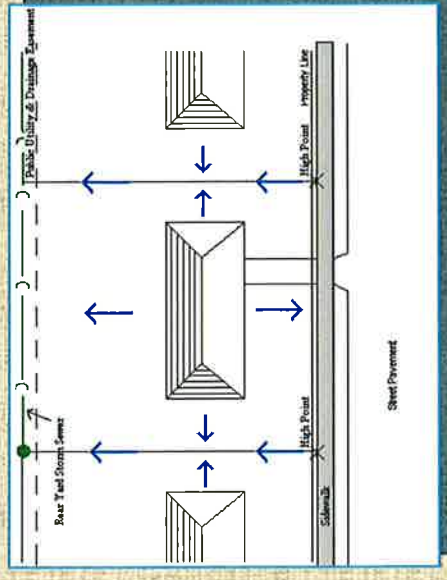


Example of Type 2 Grading
(Horse-shoe Drainage)

This type of grading is utilized when the elevation of the ground at the rear lot line is significantly higher than the elevation of the street. This type of grading results in a low point at the center of the rear yard to direct runoff away from the house.

Type 3

The third type of lot grading directs all overland drainage from the lot to the back of the lot.



Example of Type 3 Grading

Type 3 drainage is similar to Type 1 drainage, except that the summit point is at the top of curb rather than midway down the side lot line. This grading is used when the elevation of the ground at the rear lot line is considerably lower than the elevation of the street.

What Has the Village of South Holland Done to Protect Residents From Flooding?

The village meets periodically to discuss solutions to flooding problems occurring within the village limits. Some of the completed flooding relief projects include:

1. Regraded obstructed overland flow paths in the Timbers Edge Subdivision.
2. Expanded detention facilities and improved conveyance of storm water to the detention pond in Brementowne.
3. Corrected restrictor sizing of the detention pond in Bristol Park.

For Questions regarding Retrofitting
or the Village Flood Assistance Program
Contact us at 708-210-2915
www.southholland.org



SouthHolland

Flood Protection Program

Flood Safety

Village of South Holland
16240 Wausau Avenue
South Holland, IL 60473

www.southholland.org

Where has Flooding Damage Been Reported in South Holland?

South Holland is subject to flooding from all six streams. The largest flooding problem has been along Midlothian Creek. South Holland's worst flood on record occurred in July 1957. Heavy local storms caused the Midlothian Creek to rise higher than before. It was estimated to be a "100-year" flood. As a result of development in the upstream watersheds, there has been an increase in storm water runoff. The 1996 storm caused overbank flooding to reach buildings in less than 24 hours. The river kept rising for another 24 hours. With our flat terrain, it takes a while for the waters to recede. After Midlothian Creek crested in 1996, it took 3-4 days to get back in its banks. In other words, the river was out of its banks for a total of five days and in buildings for two of those days. On the smaller streams, such as the Northern Tributary to the Union Drainage Ditch and the Western Tributary to Midlothian Creek, the water level recedes more quickly.

Smaller floods have a higher rate of occurrence than large floods. However, the damage smaller floods cause cannot be disregarded. South Holland's primary flood season is from May to August, but flash floods can occur at any time throughout the years and can affect nearly every person in the village. Therefore, everyone should be prepared for a flood.

South Holland is at Risk for Flash Floods

Flash floods result when heavy rains fill natural and engineered drainage systems to overflowing. The floodwaters move so rapidly and powerfully that they carry away trees, mud, structures, vehicles, other debris and people.

When a flash flood occurs, time is short – seconds can mean the difference between safety and tragedy. Understanding the dangers and knowing what actions to take can save your life.

Protecting Yourself During a Flood

Do not walk through flowing water. Drowning is the number one cause of flood deaths, mostly during flash floods. Currents can be deceptive; six inches of moving water can knock you off your feet. If you walk in standing water, use a pole or stick to determine the depth of the water.

Do not drive through a flooded area. More people drown in their cars than anywhere else. Don't drive around road barriers; the road or bridge may be washed out.

Stay away from power lines and electrical wires. Electrical current can travel through water. Report downed power lines to the Power Company or village emergency management office.

Have your electricity turned off by the Power Company. Some appliances, such as television sets, keep electrical charges even after they have been unplugged. Don't use appliances or motors that have gotten wet unless they have been taken apart, cleaned, and dried.

Look before you step. After a flood, the ground and floors are covered with debris including broken bottles and nails. Floors and stairs that have been covered with mud can be very slippery.

Be alert for gas leaks. Use a flashlight to inspect for damage. Don't smoke or use candles, lanterns, or an open flame unless you know the gas has been turned off and the area has been ventilated.



Where has Flooding Damage Been Reported in Tinley Park?

South Holland is subject to flooding from all six streams. The largest flooding problem has been along the Little Calumet River. One of South Holland's worst flood on record occurred in November 1990. Heavy local storms caused the Calumet and its tributaries to rise higher than before, over half a foot higher than the 1981 record. River to rise higher than before.

The 1990 storm caused overbank flooding to reach buildings in less than 24 hours. The river kept rising for another 24 hours. With our flat terrain, it takes a while for the waters to recede. After the Calumet-Sag channel was completed, in the 1920s the Little Calumet received an additional outlet.. Instead of flowing into the Grand Calumet and Lake Michigan, most of its water now flows west through the Cal-Sag to the Des Plaines River. There are. In other words, the river was out of its banks for a total of five days and in buildings for two of those days. On the smaller streams, such as the Northern Tributary to the Union Drainage Ditch and the Western Tributary to Midlothian Creek, the water level recedes more quickly.

Find out if your property is within the mapped floodplain by contacting the Village of South Holland at 708-210-2915.



For more information on the
Village Flood Assistance Program contact
the Village of South Holland at 708-210-2915
www.southholland.org



South^{H₂}olland

**Flood
Protection
Program**

Floodplain vs. Floodway

What's the Difference?

Village of South Holland
16240 Wausau Avenue
South Holland, IL 60473

www.southholland.org

What is a Floodplain?

The area adjoining a river or stream that has been or may be covered by floodwater.

What is a Floodway?

The channel of a river or stream and the parts of the floodplain adjoining the channel that are reasonably required to efficiently carry and discharge the flood water or flood flow of a river or stream

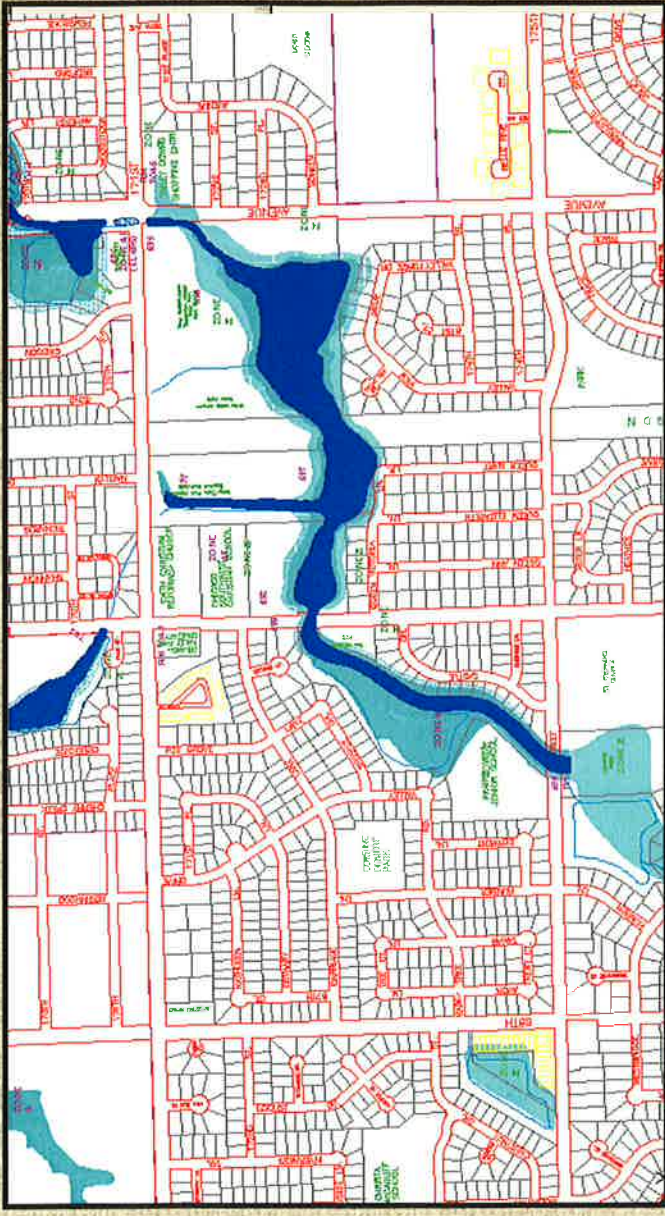
Encroachments in the floodway cause increased flood elevation, both upstream and downstream.

Where is the Floodplain and Floodway in South Holland ?

The Village of South Holland is drained by three major streams: The Little Calumet River, Thorn Creek, and the Calumet Union Drainage Ditch.

Thorn Creek flows from the South and joins the Little Calumet on the southeast side of town. Thorn Creek collects water from Deer, North, and Butterfield Creeks, and Lansing Ditch.

The third stream is the Calumet Union Drainage Ditch, a man-made ditch that drains eighteen square miles of the Markham and Harvey areas to the west. It joins the Little Calumet River in the west part of the Village.. Most of the Village's over-bank



flooding problem is in the Little Calumet River's floodplain. Because the area is so flat, the flooding of one stream is accompanied by flooding on the other two. Therefore, while there are three sources of over-bank flooding, the problem is treated as one floodplain



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Take A Bite Out of Grime / Arbor Day / Electronics Recycling

Take A Bite Out Of Grime & Electronics Recycling

Saturday, May 11, 2013

Take a Bite Out Of Grime

8:30am

**South Holland Community Center
501 E 170th Street**

Electronic Recycling

8:00am to Noon

**South Holland Public Library - 16250 Wausau Avenue
and South Holland Community Center - 501 E 170th Street**

[Click here for details](#)

Teen Brunch
With the Mayor
Heritage Festival
Heritage Haul Charity Run
Half / 10K / 5K / 15M Bike
Harvest Fest
Veterans Day Service
Santa Claus Comes to
South Holland



**Take a Bite out of Grime
and Electronics Recycling**

TAKE A BITE OUT OF GRIME



Give back to your community... BE A PART OF THE SOUTH HOLLAND CLEAN TEAM!

'Take a Bite out of Grime 8:30am

**South Holland Community Center
501 E 170th Street**

**Join the Mayor, Clerk, and Trustees as they form
teams to clean up designated sites along major
roadways and riverbanks.**

The Day's Schedule

- Meet at the Community Center at 8:30am for a continental breakfast.
- Before we depart to clean our community, we'll join the Village Board for a brief tree planting ceremony in honor of Arbor Day.
- Stick poles, gloves, safety vests, and trash bags will be provided.
- Meet back at the Community Center at 11:30am for a delicious lunch.

Volunteer

**To Volunteer for *Take a Bite out of Grime*
[CLICK HERE](#) or call Cindy Copenhaver at
331-2940.**

Electronics Recycling 12:00 to 3:00pm

**South Holland Public Library
16250 Wausau Avenue
West Parking Lot**

Accepted for Recycling:

- Televisions
- PC & Apple Computers
- Monitors, Printers and other Peripherals
- Hard Drives, Floppy Disk Drives, CD-ROM Drives
- Modems, Keyboards, Mouse
- Software (originals only), Power Cords and Cables
- Fax Machines
- Cell Phones

Click "Directions" on the map below to get directions.

Click "Directions" on the map below to get directions.

Community Calendar...

SPRING AND SUMMER EVENTS IN SOUTH HOLLAND

SPRING BREAK WEEK

April 1-5 for youths from fifth to 10th grades

MAYOR'S PRAYER BREAKFAST

Thursday, May 2, 7:30 a.m.
Thorn Creek Church
1875 East 170th Street

TAKE A BITE OUT OF GRIME

Saturday, May 11, 8:30 a.m.
South Holland Community Center
For information and to sign up, visit <http://www.southholland.org/index.php?page=Events/grime>.

MEMORIAL DAY PARADE

Monday, May 27, 11 a.m.
on South Park Avenue from 170th Street to Veterans Memorial Park.
Remembrance Ceremony immediately follows the parade. To sign up for the parade, visit <http://www.southholland.org/Events/MemorialDayParade2013.pdf>.

MOVIES IN THE PARK

June 15, July 20, Aug. 31
at Veterans Memorial Park.
Bring your blanket or lawn chair.
All movies start at dusk.

TOWN CENTER MARKETPLACE

South Holland's Farmers Market
Every Friday from 10 a.m. to 3 p.m.,
June 28 through Sept. 27
at the northeast corner of
162nd Street and South Park Avenue.

INDEPENDENCE DAY CELEBRATION

Thursday, July 4
Veterans Memorial Park

PRAYER AT THE GATES

presented by the
South Holland Ministerial Association
Thursday, July 4, 8 a.m., at all
community entrances

WORSHIP SERVICE IN THE PARK

presented by the South Holland
Ministerial Association: Sunday
July 7, 6 p.m., at Veterans Memorial Park

HERITAGE FESTIVAL

Aug. 28-31

Artists' Gallery

Wednesday, Aug. 28 – Saturday, Aug. 31,
South Holland Community Center

"Saturday in the Park"

Saturday, Aug. 31, Veterans Memorial Park

Worship Service in the Park

presented by the South Holland
Ministerial Association
Sunday, Sept. 1, 6 p.m.
Veterans Memorial Park

PAARLBERG FEST

presented by the South Holland
Historical Society
Monday, Sept. 2,
9:30 a.m. – 4:00 p.m., Paarlberg Park

HERITAGE HAUL HALF

MARATHON/10K/5K/

15-MILE BIKE TRAIL/KIDS DASH
Saturday, Sept. 21, 7 a.m.,
Veterans Memorial Park.
Online registration now available at
<http://racetime.info/registration/calendar/september/92113-heritage-haul/>

SOUTH HOLLAND MUNICIPAL BAND

(2013 schedule TBA)

Flood insurance – a wise investment for homeowners

For those residents living near the Little Calumet River, Thorn Creek, or one of the ditches in the Village, flood insurance is highly recommended. Even if the last storm or flood missed you or you have done some flood proofing, the next flood could be worse. Most homeowners' insurance policies do not cover a property for flood damage.

The Village of South Holland participates in the National Flood Insurance Program. Local insurance agents can sell a flood insurance policy under rules and rates set by the federal government. Any agent can sell a policy and all agents must charge the same rates.

Now is a good time to purchase flood insurance in South Holland. Due to South Holland's CRS rating (5), homeowners realize a 25 percent discount from standard flood insurance premiums.

Any house can be covered by a flood insurance policy. Detached garages and accessory buildings are covered under the policy for the lot's main building. Separate coverage can be obtained for the building's structure and for its contents (except for money, valuable papers, and the like). The structure generally includes everything that stays with a house when it is sold, including the furnace, cabinets, built-in appliances, and wall-to-wall carpeting.

There is no coverage for things outside the house, like the driveway and landscaping. Renters can purchase contents coverage, even if the owner does not buy structural coverage on the building.

Some people have purchased flood insurance because it was required by the bank when they got a mortgage or home improvement loan. Usually these policies just cover the building's structure and not the contents. During the kind of flooding that happens in South Holland, there is usually more damage to the furniture and contents than there is to the structure.

Several insurance companies have sump pump failure or sewer backup coverage that can be added to a homeowner's insurance policy. Each company has different amounts of coverage, exclusions, deductibles, and arrangements. Most are riders that cost extra. Most exclude damage from surface flooding that would be covered by an NFIP policy. The cost varies from nothing up to about \$75 for a rider on your homeowner's insurance premium. However, there is a 30 day waiting period once homeowner has applied for flood insurance.

Floodproofing your home

Floodproofing a house means altering it so floodwaters will not cause damage. Different floodproofing techniques are appropriate for different types of buildings. Use the following as a guideline:

◆ If you have a basement, split level, or other floor below ground level, get a free copy of *Guide to Basement Flooding* from the Village Hall. There are lots of ways to protect your basement or lower floor from seepage and sewer backup.

◆ If your house is on a slab foundation, investigate a low floodwall, berm, or "dry floodproofing" (i.e., making the walls watertight and closing all the openings when a flood comes).

◆ If your house is on a crawlspace, a low floodwall, berm or "wet floodproofing" will work. "Wet floodproofing" means moving all items subject to damage out of harm's way so water can flow into the crawlspace and not cause any problems. If floodwaters go over the first floor, it is relatively easy to elevate the building to get the first floor above the flood level.

◆ Properties that are substantially damaged must be brought up to current building codes. Any work needing to be done may require a permit. Contact Code Enforcement to learn if a permit is required.

Village Flood Services

The Code Enforcement office at 16240 Wausau (708/210-2915) provides the following:

- ◆ Information on whether a property is in a mapped floodplain and related flood insurance rate map data;
- ◆ Records of past flooding;
- ◆ Advice on how to protect a building from water problems;
- ◆ Guidance on the laws that govern construction and property improvements; and
- ◆ Site visits to view the cause and possible solutions to a problem.

Get a free copy of *Guide to Flood Protection* from Village Hall. Additional information on these measures is available at the Public Library.

SSC to host Earth Awareness Day

South Suburban College's Sustainability Committee and Green Club will host the second annual Earth Awareness Day from 9 a.m. to 3 p.m. on Wednesday, April 17. Six presenters will be on hand to give hour-long presentations as follows:

- 9 a.m. Woodcarvers: Utilizing cut down trees
- 10 a.m. Importance of Worms
- 11 a.m. Composting
- Noon AFT: "Green" cleaning and supplies
- 1 p.m. Tilapia Farmer: Hydroponics and his raised garden
- 2 p.m. SSC Faculty Eric Myers and David Shepherd discuss environmental issues

Several vendors will be in attendance in the atrium promoting "green" products and products made from recycled items.

The college will be collecting eyeglasses, cell phones, e-waste, and possibly old prescription drugs.

The SSC Student Green Committee will be selling "dirt" cupcakes.

The public is welcome and encouraged to attend the free event.

SSC is located at 15800 S. State St. For more information, call 596-2000 ext. 2212.

St. Baldrick's raises money for pediatric cancer research

By Eric Pradelski

The St. Baldrick's head shaving fundraiser to benefit pediatric cancer research was held on March 9 and because of its growing success and popularity was moved this year from the Thornton American Legion Post to the Glenwoodie golf course in Glenwood. According to Tom Farr, a South Holland firefighter and representative of the Firefighters Association, this year's event raised between \$15,000 and \$16,000.

In its history, the South Holland firefighter's event has so far raised more than \$100,000 for St. Baldrick's.

Many of the South Holland firefighters, including Fire Chief Don Bettenhausen, shaved their heads in honor of the children who often lose their hair as a result of going through chemo treatments to fight cancer.

Each year at the event, a child is honored who has gone through treatment and may still be battling the disease.

Farr encourages residents interested in showing support to visit stbaldricks.org, where you can donate year round and find out other ways to become involved in their efforts.



Flood-proofing pays off

The Flood Assistance Rebate program is available to qualified applicants for pre-approved flood-proofing projects.

For example, residents planning to install overhead sewers in their homes to alleviate flooding problems may be eligible for a grant to cover a portion of the project costs.

The grant offers residents a 25 percent rebate, to a maximum of \$2,500, for the following flood-control projects:

SURFACE WATER PROJECTS

- ◆ Diversion of downspout water
- ◆ Flood walls

SEWER BACKUP PROJECTS

- ◆ Overhead sewers (repairs and installation)
- ◆ Removal of sump pump and downspout connections from sanitary sewers
- ◆ Back flow valves

SUBSURFACE PROJECTS

- ◆ Interior and/or exterior drain tile

- ◆ Crack repair and/or waterproofing foundation walls

It is imperative that those planning to apply for a rebate contact the P.D. & C.E. Department at 16240 Wausau, or call 210-2915, before beginning any flood-control project.

The department will meet with the resident, inspect their property, and assist in completion of the necessary rebate application. The department can provide a list of contractors who are licensed to do business in South Holland, if requested.

Homeowners are advised not to wait until the last minute, but to allow plenty of time to secure the required pre-approval and minimum of two bid proposals from contractors.

This is a great program and a lot of people are really thankful that the Village provides this resource to property owners.

South Holland to honor veterans at Memorial Day Parade

By Eric Pradelski

The South Holland Memorial Day Parade and Remembrance Ceremony is a special event every year for the village.

Each year, village churches, civic groups such as the South Holland Lions, local Boy Scout and Girl Scout troops, and Little League and South Holland Jet players line up on South Park Avenue starting at Thornwood High School.

The parade begins at 11 a.m. and at least 25 groups will be marching along with floats, fire trucks, police cars and other decorated vehicles. They all march down South Park Avenue in remembrance and honor of our military veterans.

South Holland residents are encouraged

to watch and cheer on the marchers from the sidewalks lining the street all the way down to the conclusion of the parade at Veterans Park.

The municipal band will be playing throughout the parade, and will also perform at the Remembrance Ceremony beginning at 1 p.m. in Veterans Park.

Mayor Don DeGraff will emcee the ceremony that pays homage to our veterans, past and present.

After the ceremony, there will be a baseball game in Veterans Park at 2 p.m., followed by a softball game at 3 p.m.

Please come out to show your support, respect and appreciation for our veterans.

Code enforcement office answers flood of questions

Be prepared for unexpected storms

Most of South Holland's flooding and drainage problems occur during and after heavy storms. These can happen at any time, but are more common during the summer. There are many things that can be done to prepare for the storm and water problems that may follow, such as:

- Keep ditches, drainage swales, detention basins and storm sewer inlets clear of debris.
- Check with the Code Enforcement office to determine if your house is in a mapped flood plain or if there is a history of flood problems in your area. The code enforcement office can be visited at 16240 Wausau, or reached by calling 708/210-2915.
- Ask the Code Enforcement office about how to protect against water problems.
- During a rain, keep tuned to local radio or television stations to see if there is a tornado or flash flooding hazard.
- Make a record of all personal property. Go through the basement (if not the entire house) and record everything. Videotape or take photographs. Inventory forms are available free from most insurance companies or make one.
- Ask the code enforcement office if an elevation certificate is available for your property.
- Protecting your property is important. Information is available from FEMA publications, including "Homeowners Guide to Retrofitting: Six Ways to Protect Your House from Flooding." These resources can be found on www.fema.gov/plan/prevent/floodplain/publications.shtml.

Flood safety

Do not walk through flowing water. Drowning is the number one cause of flood deaths. Currents can be deceptive—six inches of moving water can knock an average-sized person off their feet. Use a pole or stick to ensure that the ground is still there before going through an area where the water is not flowing.

Do not drive through a flooded area. More people drown in their cars than anywhere else. Don't drive around road barriers—the road or bridge may be washed out.

Shut off electricity and gas. Make sure these utilities are turned off before proceeding with further efforts. Call the fire department at 708/331-3123 for assistance.

Stay away from power lines and electrical wires. The number two flood killer, after drowning, is electrocution. Electrical current can travel through water. Report downed power lines to the Police Department at 708/331-3131.

Look before you step. After a flood, the ground and floors are covered with debris, including broken bottles and nails. Floors and stairs that have been covered with mud can be

very slippery.

Be alert for gas leaks. Use a flashlight to inspect for damage. Don't smoke or use candles, lanterns, or open flames before checking that the gas has been turned off and the area has been ventilated.

Carbon monoxide exhaust kills. Use a generator or other gasoline-powered machinery outdoors. The same goes for camping stoves. Charcoal fumes are especially deadly—cook with charcoal outdoors.

Clean everything that got wet. Flood waters have picked up sewage and chemicals from roads, farms, factories, and storage buildings. Spoiled food, and flooded cosmetics and medicine can be health hazards. When in doubt, throw it out.

Take good care of yourself. Recovering from a flood is a big job. It is tough on both the body and the spirit, and the effects that a disaster can have on a family may last a long time. Keep eyes open for any signs of anxiety, stress, and fatigue.

Create an evacuation plan. If there is a threat of a flood or an emergency, you should have an evacuation plan for yourself and personal property items.

What to do when it floods

South Holland's *Flood Warning System* is designed to supply Village officials with necessary data to make informed decisions in times of potential flooding in order to provide residents and businesses with timely assistance so that appropriate actions can be taken to minimize flood loss and casualties. Everyone did fine in previous floods and the system worked per design. But here are some reminders for residents:

If it is raining hard, tune to a local radio station to see if a flood watch or warning has been issued. For residents watching television, the cable override will issue a message. Then, tune to Cable Channel 4 (Comcast), 6 (WOW), and 99 (AT&T) for more information (provided by the Village in emergency situations). Otherwise, an initial notification may come when residents are addressed by a police car public address system. Be sure to follow safety tips.

The National Weather Service issues two types of flood notices: a flood watch and a flood warning. A flood watch indicates flooding is possible within the area described by the notice. A flood warning indicates flooding is imminent or occurring in the area described in the notice.

An extra measure of protection is wise for people living close to the Little Calumet river, Thorn Creek, or other drainage waterways. A NOAA weather radio can be purchased at local electronic stores for \$10-\$20 and will enable residents to monitor National Weather Service notices directly.

Community Calendar...

SPRING AND SUMMER EVENTS IN SOUTH HOLLAND

MEMORIAL DAY PARADE

Monday, May 27, 11 a.m.

on South Park Avenue from 170th Street to Veterans Memorial Park.

Remembrance Ceremony immediately follows the parade. To sign up for the parade, visit <http://www.southholland.org/Events/MemorialDayParade2013.pdf>.

MOVIES IN THE PARK

June 15, July 20, Aug. 31

at Veterans Memorial Park.

Bring your blanket or lawn chair.

All movies start at dusk.

NEIGHBORHOOD BLOCK PARTY

June 22 (rain date, June 29)

at Van-O Park

TOWN CENTER MARKETPLACE

South Holland's Farmers Market

Every Friday from 10 a.m. to 3 p.m.,

June 28 through Sept. 27

at the northeast corner of 162nd Street and South Park Avenue.

INDEPENDENCE DAY CELEBRATION

Thursday, July 4

Veterans Memorial Park

PRAYER AT THE GATES

presented by the

South Holland Ministerial Association

Thursday, July 4, 8 a.m., at all

community entrances

WORSHIP SERVICE IN THE PARK

presented by the South Holland

Ministerial Association: Sunday

July 7, 6 p.m., at Veterans Memorial Park

NEIGHBORHOOD BLOCK PARTY

August 17 (rain date, August 24)

at Paarlberg Park

HERITAGE FESTIVAL

Aug. 28-31

Artists' Gallery

Wednesday, Aug. 28 – Saturday, Aug. 31, South Holland Community Center

"Saturday in the Park"

Saturday, Aug. 31, Veterans Memorial Park

Worship Service in the Park

presented by the South Holland

Ministerial Association

Sunday, Sept. 1, 6 p.m.

Veterans Memorial Park

PAARLBERG FEST

presented by the South Holland

Historical Society

Monday, Sept. 2,

9:30 a.m. – 4:00 p.m., Paarlberg Park

HERITAGE HAUL HALF

MARATHON/10K/5K/

15-MILE BIKE TRAIL/KIDS DASH

Saturday, Sept. 21, 7 a.m.,

Veterans Memorial Park.

Online registration now available at

<http://racetime.info/registrationcalendar/september/92113-heritage-haul/>

For details regarding the upcoming events, visit www.southholland.org.

South Holland Municipal Band



May 4 (Thurs.)	Special Olympics, 8 a.m.
May 27 (Mon.)	Memorial Day Parade, 10:30 a.m. Program, Veterans Park, 12:45 p.m.
June 13 (Thurs.)	Holland Home, 7 p.m.
July 4 (Thurs.)	Independence Day..... 8 p.m. Veterans Park
July 25 (Thurs.)	Veterans Park, 7 p.m.
Aug. 8 (Thurs.)	Holland Home, 7 p.m.
Aug. 22 (Thurs.)	Veterans Park, 7 p.m.
Sept. 2 (Mon.)	Paarlberg Fest, Paarlberg Farm, 3 p.m.



Mayor De Graff visits Learning Academy

In April, South Holland Mayor Don DeGraff visited Nurturing Developmental Learning Academy where he was greeted with a hand crafted welcome poster, signed by students. During his visit, Mayor DeGraff read "The Three Little Pigs" to students ranging from 2 to 6 years old.

Memorial Day Parade and Remembrance Ceremony

2013 MEMORIAL DAY PARADE WINNERS:

Marching Band:
McKinley Junior High School

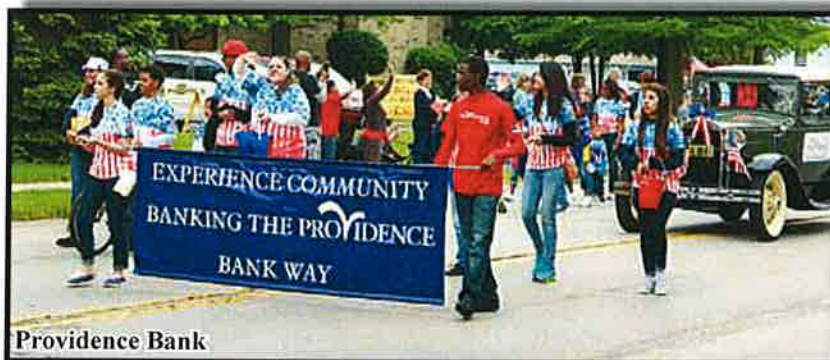
Walking Unit:
Providence Bank

Professional Float:
Recreational Services

Motor Unit:
Mo'Par Alliance

Amateur Float:
South Holland Garden Club

Annual Mayor's Trophy:
Spirit of God Fellowship



Village takes a 'Bite out of Grime'



Shown above, residents assist village board members with the planting of a tree outside the South Holland Community Center, and trash pick up at Gouwens Park.

PUBLIC WORKS

Tips from Public Works on how to reduce indoor flooding

By Eric Pradelski

The unnecessary addition of storm water into the sanitary system of a home during heavy rainfalls may cause sanitary sewer backups.

Overhead sewers are an effective way of reducing sump pump backups because they are designed to drain from a point that is higher than the lowest level drains.

Besides overhead sewer systems, here are some tips from South Holland Public Works Director Jeff Hon for reducing storm water flooding inside the house:

- Areas along the foundation walls should be sloped away to prevent water from collecting.
- Direct downspouts away from the house using extensions.
- Keep backyard, curb and gutter storm drains clear of debris.
- Reduce impermeable surfaces such as asphalt and concrete.
- Keep a spare sump pump on hand.
- Purchase a generator or battery backup system to run your sump pump in the event of a power outage.

SALUTES

John Wesley Anderson and **Jason Smith**, graduating seniors from Thornridge and Seton Academy, respectively, have been named Gates Millennium Scholars. John, who has been accepted by numerous schools, will attend the University of San Francisco, California. Jason will attend the University of Iowa.



Seton Academy alum, **Elliott Barney**, is a four-time men's track letter winner at Hope College.



Lauren Knazze, daughter of Othello and Doris Knazze, earned a bachelor's degree from Southern Methodist University in Dallas. She has been accepted to Loyola University Medical School.



Thornwood students have won big at NFTE (Network for Teaching Entrepreneurship) competition. Winners were **Jesus Fernandez-Ortiz**, a junior from Thornwood, and **Toheeb Okenla**, a senior. These two students had a partnership business consisting of a soccer sock with a built-in pocket. They will be representing the state this fall in New York in the nationals.



South Holland resident **Miriam A. Mobley Smith**, Dean and Professor of the College of Pharmacy at Chicago State University, has been named a Fellow of the American Society of Health-System Pharmacists (ASHP) for distinguished service to pharmacy practice in hospitals and health systems. The 2013 Fellows were honored on Tuesday, June 4, 2013, during the ASHP Summer Meeting & Exhibition in Minneapolis.

South Holland Motor Vehicle Owners

2013-14 VEHICLE STICKERS
now available – must be
displayed by July 1.

**STICKERS PURCHASED
JULY 1 THRU 31
INCUR A 50% LATE FEE.**

**STICKERS PURCHASED
AUGUST 1 OR LATER
INCUR A \$100 LATE FEE.**

PRICES:

Passenger Cars\$40
Trucks & Motor Homes\$55
Trucks C & higher.....\$95
Motorcycles.....\$20

(Senior Citizens (65 years & older)
receive 50% discount)

REMEMBER: Any vehicle registered to a South Holland address is required to have a South Holland vehicle sticker, regardless of it being parked on the street, in a driveway, or garage. It's the law.



Code Red Emergency Notification Network NOW AVAILABLE!

- The village sends critical communications to residents, from evacuation notices to missing child alerts.
- If you missed a delivered message, playback is available by simply dialing back the number on your Caller ID.
- Your contact information remains private and will only be used for community notifications.
- Make sure you are all set to receive alerts. Visit the CodeRed website to enter your contact information, including multiple phone numbers, text and email addresses.

Visit southholland.org to register for Code Red.

FLOOD PROOFING SERIES

The natural and beneficial functions of the flood plains

It is difficult to think of flood plains without also thinking of flooding. And nobody likes it when their home or business or neighborhood gets flooded. But flood plain areas are now also recognized as having an intrinsic value of their own as a part of the interconnected ecosystem and an influential role in increasing a community's quality of life. For example, the recognized benefits of a naturally functioning flood plain include the storage and conveyance of flood waters, the recharging of groundwater, the maintenance of surface water quality, and the provision of habitats for fish and wildlife. These areas also provide diverse recreational opportunities, scenic value, and a source of community identity and pride. Clearly the potential gains of transforming stream and river flood plains from problem areas into value-added community assets are substantial.

Floods have caused a greater loss of life and property and have disrupted more families and communities in the United States than all other natural hazards combined. Despite the expenditure of tens of billions of tax dollars for structural measures, such as dams, levees, and channel projects to try to control flood waters, flood losses continue to rise. Thus, a new way of thinking about flood plain management has emerged in recent years that focuses on hazard mitigation. Flood hazard mitigation places greater emphasis on trying to adapt to the natural phenomena of flooding such as by maintaining flood hazard areas as open space, and less on trying to control floodwaters.

Flood plains play a valuable role in providing natural and beneficial functions to the area around, and including South Holland. Floodplains that are relatively undisturbed provide a wide range of benefits to both human and natural systems. These benefits provide aesthetic pleasures as well as function to provide active processes such as filtering nutrients. The Little Calumet River at Gouwens Park and Veterans Park, are both floodplains. Both are used as a means of recreation, discovery and are considered "wetlands". Both floodplains contain historic and archeological sites that provide opportunity for education and study. Both enhance waterfowl, fish and other wildlife habitats and provide feeding/breeding grounds. Both floodplains provide natural erosion control and open space so fur-

ther flooding damage does not occur.

The Village of South Holland is working to improve the flood plain for natural and recreational purposes. Gouwens Park and Sports Complex has a wetland and a bikeway. The Village is cleaning up the banks and channels both for flood protection and appearance purposes. The Gouwens Park wetland mitigation site consists of approximately 5 acres of native prairie, native wetland plantings, and open water. The site will remain as a natural wetland/prairie complex on the park property. In its natural setting, the site is used by a variety of wildlife and could easily be used for environmental education. In addition, the area undergoes flooding from the adjacent river and was designed to function in that manner. Who knows? Someday the river front may be the main attraction in town.

It is important to recognize that the flood plains serve many functions besides carrying or storing floodwaters. Thus, we should keep the water as clean as possible to help fish and other wildlife. Here are some things residents can do to protect the river:

- ◆ Bag or compost all yard waste.
- ◆ Take used motor oil to a licensed recycling plant.
- ◆ Do not wash paints, thinners, anti-freeze, and other chemicals into the street. Take leftovers to a household hazardous waste collection center.
- ◆ Cover bare soil with a mulch and seed it as soon as possible to minimize erosion.
- ◆ Carefully apply lawn chemicals and limit the amount of fertilizers and pesticides being used.
- ◆ Keep as much green areas as possible as natural or man-made drainage swales. Plant plenty of trees and shrubs.

Watersheds—The Big Picture

While it is important for communities to plan and take responsibility for the land uses that occur in their own flood plains, it must be recognized that flood level and water quality can be very much affected by land use activities occurring elsewhere in the watershed. Land uses along tributaries are likely to have an impact on downstream communities. Wise management of tributaries is therefore extremely important, as their protection can yield benefits for the entire network. Broad planning efforts among communities with a watershed can thus have far-reaching advantages.

Flood-proofing projects pay dividends

Now that the rainy season is upon us, Planning, Development and Code Enforcement (P.D.&C.E.) reminds residents that a Flood Assistance Rebate program is available to qualified applicants for pre-approved flood-proofing projects.

For example, residents planning to install overhead sewers in their homes to alleviate flooding problems may be eligible for a grant to cover a portion of the project costs.

The rebate offers residents a 25 percent rebate, to a maximum of \$2,500, for the following flood-control projects:

SURFACE WATER PROJECTS

- ◆ Diversion of downspout water
- ◆ Flood walls

SEWER BACKUP PROJECTS

- ◆ Overhead sewers (repairs and installation)
- ◆ Removal of sump pump and down spout connections from sanitary sewers
- ◆ Back flow valves

SUBSURFACE PROJECTS

- ◆ Interior and/or exterior drain tile
- ◆ Crack repair and/or waterproofing foundation walls

It is imperative that those planning to apply for a rebate contact the P.D. & C.E. Department at 16240 Wausau, or call 210-2915, before beginning any flood-control project.

A department representative will meet with the resident, inspect their property and assist in completion of the necessary grant application. The department can also provide a list of contractors who are licensed to do business in South Holland, if requested.

Homeowners are advised not to wait until the last minute, but to allow plenty of time to secure the required pre-approval and minimum of two bid proposals from contractors.

This is a great program and many residents who have taken advantage of this opportunity are grateful for the benefit that comes with flood proofing their home.

PUBLIC WORKS

Summer water ordinance reminder

By Eric Pradelski

The Village of South Holland and the Public Works Department want to remind you of the summer watering ordinance restricting usage.

According to Section 21-12 of the South Holland village code, residents and business owners should limit lawn and garden sprinkling, as well as car washing, to the hours of 7 pm to 11 am. Even numbered home/business addresses are to water only on even numbered days of the month. Odd numbered home/business addresses are to water only on odd numbered days of the month. As an example, if your house number is 17300, your watering schedule is the even numbered days of the month; if your house number is 537, your watering days fall on the odd numbered days of the month.

This policy remains in effect until Sept. 14 every year. The Village of South Holland is grateful for your assistance in voluntarily limiting your water usage wherever possible.

For more information, visit the village website at southholland.org.

Storm branch pickup

After a severe rain storm hits, South Holland Public Works is committed to clearing the village of branches and trees as soon as possible.

First, they clear the roads of fallen trees. Next, they address hanging trees or branches presenting a hazard to power lines, property and residents/pedestrians.

After these two tasks are accomplished, Public Works assigns extra personnel to the chipper and send out extra vehicles to the hardest hit areas.

Hindrances to branches being cleared swiftly are additional rain (which dulls the blades of the chipper), heat and occasional mechanical problems.

For small branch pickup, residents should still cut and stack their branches in a pile at the curb, which will be picked up the day after your scheduled garbage day. This eliminates the need to schedule an extra pickup.

This year, between June 24 and July 11, more than 1,100 branch pickups were done from residences.

The South Holland Public Works Department wants to thank residents for their patience.

Stray cats in South Holland: A quality of life issue

By Eric Pradelski

According to Deputy Village Administrator Patricia Mahon, complaints about stray cats in various neighborhoods of South Holland have been on the rise in recent years.

"We have been receiving an increased number of calls to the mayor's office from residents about what can be done regarding stray cats. We're concerned that residents who are feeding stray cats may not realize that they are contributing to the problem," Mahon said.

"The stray cats have an effect on other residents being able to fully enjoy their property because of the cats marking their territory, breeding, and then increasing in number," she said.

According to the village code, stray cats would fall under the Public Nuisance animal section. A public nuisance animal is "any animal that unreasonably annoys humans, endangers the life or health of persons or other animals, or substantially interferes with the rights of citizens, other than their owners, to enjoyment of their life or property."

Some examples include any cat or dog found running at-large unattended, cats or dogs that damage or soil property, loud animals disturbing neighborhood residents, animals that attack, molest, or interfere with pedestrian traffic, animals that chase motor vehicles, or an animal that attacks domestic animals.

If a resident sees a cat in violation of this ordinance, call the police non-emergency line at 708-331-3131, option 2.

Mahon advises residents not to feed stray cats and to consider the quality of life for all South Holland residents.

SALUTES

South Suburban College history instructor **Bruce Allardice** was one of three winners of the 2013 *McFarland-SABR Baseball Research Award*, which honors the best articles on baseball history or biography completed during the preceding calendar year.

Allardice was selected to receive the award for his latest publication, "*The Inauguration of This Noble and Manly Game Among Us: The Spread of Baseball in the South Prior to 1870*" *Base Ball: A Journal of the Early Game*, Fall 2012, McFarland & Co.



Virginia (Jean) Gariffa celebrated her 100th birthday on July 20, 2013, surrounded by family and friends.

FLOOD PROOFING SERIES

Village regulations protect you from flooding

"Water flows downhill." This basic truth is the basis for the Village's drainage system. This system consists of storm sewers, channels, culverts and storage basins. All of these work to carry water away from buildings, such as your house, that can be damaged if flooded.

However, water can't flow if there is a dam in the way. South Holland's drainage system can be blocked or altered when people dump in the channels, plug storm sewer inlets, or build improperly in the floodplain. Therefore, there are Village regulations to prevent these problems.

Every lot was built so water would flow away from the building and along property lines to the street, storm sewer, or ditch. Fences, railroad ties, landscaping and regrading block this flow. So do construction projects in the

ditches or the floodplain. **All such projects require a permit from the Village.**

Some things to remember:

◆ **Floodplain Permit Requirements:** All development within the 100-year floodplain (not just construction of buildings, but filling, excavation, fences, etc.) is required to obtain a Village Permit. Applications must be made prior to doing any work in the floodplain area. Please contact the Planning, Development and Code Enforcement Department to receive all the information you will need in order to properly develop in the floodplain at (708) 210-2915. You may report any illegal development activities to the above number as well.

◆ **Substantial Improvement/Damage:** The NFIP requires that if the cost of improvements

to a building or the cost to repair damages (from any cause) to a building exceeds 50% of the market value of the building (excluding land value), the entire building must be brought up to current floodplain management standards. Building improvement projects include exterior and interior remodeling, rehabilitation, additions and repair and reconstruction projects. Please contact Planning, Development and Code Enforcement Department at (708) 210-2915 for further information.

◆ **Do not dump or throw anything into the ditches or basins.** Dumping in our ditches and storage basins is a violation of Village Code, Sections 14.51 – 14.53.

If you see dumping or debris in ditches or basins, contact the Code Enforcement Office at 210-2915. The debris may cause flooding on your property.

◆ Every piece of trash can contribute to flooding. Even grass clippings and branches can accumulate and plug channels. If your property is next to a ditch or storage basin, **please do your part and keep the banks clear of brush and debris.**

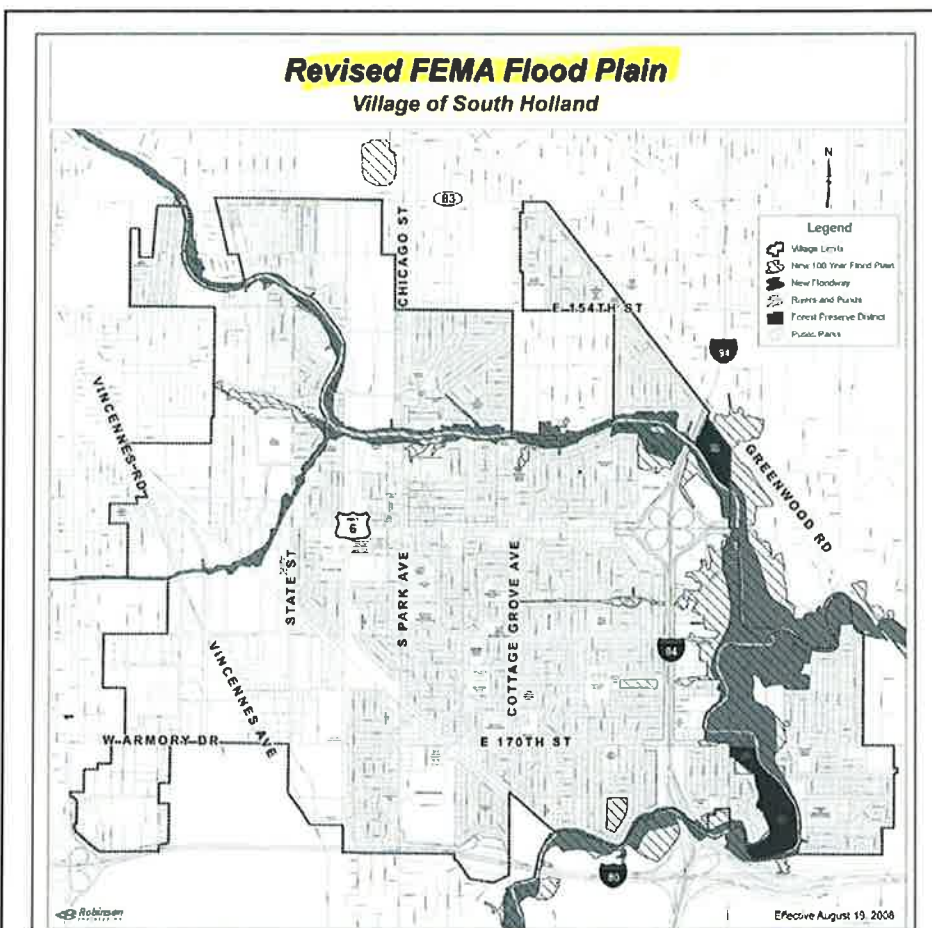
◆ **Always check with the Code Enforcement Office before you build on, alter, regrade, or put fill on your property.** A permit is needed to ensure that such projects do not cause problems on other properties.

If you see building or filling without a Village permit sign posted, contact the Code Enforcement Office at 210-2915. The project may increase flooding on your property.

New buildings in the floodplain must be protected from flood damage. Our building code requires that new residential buildings must be elevated one foot above the base flood level. The ordinance also requires that all substantial improvements to a building be treated as a new building. A substantial improvement is when the value of an addition, alteration, repair or reconstruction project exceeds 50% of the value of the existing building. In the case of an addition, only the addition must be protected. In the case of an improvement to the original building, the entire building must be protected.

For example, if a house is flooded, has a fire, is hit by a tornado, or is otherwise damaged so that the cost of repairs is more than 50% of the value of the building before the damage, then the house must be elevated above the base flood level.

These regulations are designed to protect you and your neighbors. By keeping the drainage system clear and getting the proper permits before you build, we can prevent flooding and other drainage problems.



This map indicates which properties in South Holland are located within the so-called "100 year floodplain" and those within the "500 year floodplain." For most property owners, this means it really has to rain long and hard for flooding to occur. For everyone, it means, "Be informed and take precautions." For more information on the flood hazard, construction rules or flood protection measures, contact the Code Enforcement Office at 16240 Wausau (210-2915).

FLOOD PROOFING SERIES

Why flooding sometimes occurs in South Holland

Overbank Flooding

South Holland is subject to overbank flooding from three sources: the Little Calumet River, Thorn Creek, and the Calumet Union Drainage Ditch. The Little Calumet River flows through the Village from east to west. The Little Calumet drains northeastern Illinois and northwestern Indiana via several tributaries. At South Holland, the river's watershed is over 200 square miles. A small tributary, Thorn Ditch, drains the central part of South Holland. Its overbank flooding is caused by backwater from the Little Calumet.

Thorn Creek flows from the south and joins the Little Calumet on the southeast side of town. Thorn Creek collects water from Deer, North, and Butterfield Creeks, and Lansing Ditch. The Thorn Creek basin drains over 100 square miles, accounting for over half of the water that enters the Little Calumet at South Holland.

The third stream is the Calumet Union Drainage Ditch, a man-made ditch that drains 18 square miles of the Markham and Harvey areas to the west. It joins the Little Calumet River in the west part of the Village.

Most of the Village's overbank flooding problem is in the Little Calumet River's floodplain. Because the area is so flat, the flooding of one stream is accompanied by flooding on the other two. Therefore, while there are three sources of overbank flooding, the problem is treated as one floodplain.

Flooding History

Flooding has occurred in South Holland's streams since the last glacier left Illinois. Early settlers avoided building too close to the rivers. As late as the 1940s, large areas of the south suburbs remained vacant, primarily because it was too marshy to build on. These areas were used by the rivers to carry and hold excess rain runoff and snow melt.

Beginning in the late 1940s, this scene changed as the Chicago area population expanded to the south. Urban development put pressure on the vacant land along the rivers. The floodplains were built up during the 1950s and 60s, primarily with single-family housing. It was not until the 1970s that local governments passed floodplain management regulations to require the elevation of new buildings in the floodplain. Since then, floodplain development has slowed down, but developers still fill floodprone areas for new homes or commercial properties.

In the 1920s, the Calumet-Sag channel was completed and the Little Calumet received an additional outlet. Instead of flowing into the Grand Calumet and Lake Michigan,

most of its water now flows west through the Cal-Sag to the Des Plaines River. There are locks on both the Cal-Sag and the Grand Calumet to control low flows.

At the other end, Burns Ditch was connected to Lake Michigan in the 1920s. During high flows, the Indiana portion of the Little Cal drains west. These two diversions mark the northwest and eastern limits of the Little Calumet River's watershed.

With post-war growth to the south of Chicago, farmlands were replaced with roofs, parking lots, streets, gutters, storm sewers, and more ditches. Under urban development, more rainwater ran off the land and into the rivers and it ran off faster. As with floodplain regulations, it was not until the 1970s that communities began stormwater management regulations that require developments to restrict runoff.

In short, while the rivers of the Little Calumet basin flooded in the past, the problem has escalated since the 1940s. Until 1981, the worst flood on record for all three streams was in July 1957. Heavy summer storms caused widespread flooding in northeastern Illinois. The subsequent flood on the nearby Kankakee river was estimated at being a 750-year flood.

The 1957 flood was exceeded in 1981 by another flood caused by summer storms. While there was not as much rain as in 1957, the 1981 flood caused much more damage because there was more development. Because so many homes and businesses were affected, the June 1981 flood resulted in a Presidential Disaster Declaration for the area. Another presidential declaration followed the December 1982 flood.

One of South Holland's worst floods on record occurred in late November 1990. Heavy local storms caused the Little Calumet and its tributaries to rise higher than before, over half a foot higher than the 1981 record.

Flood Data

Flood heights have been recorded since 1947 on a river gauge that is currently located at the Cottage Grove Avenue bridge over the Little Calumet. Recorded flood heights can be shown in stage or in elevation. Stage is measured in feet above an arbitrary starting point that was set when the gauge was first installed. Elevations are in feet above sea level.

"Flood stage" is the elevation where the river leaves its banks. There is no official "flood stage" for the Little Calumet. Yards and parks are flooded when the river reaches an elevation of approximately 590 feet

above sea level. Buildings are affected at approximately 593 feet.

The 100-year flood at Cottage Grove would reach an elevation of 598.0. The 500-year flood is predicted to crest at an elevation of 601.5, 3 1/2 feet higher than the 100-year flood. As the river flows from east to west, flood elevations are higher in the east and lower in the west. The 10, 100, and 500-year flood elevations for various locations are shown below:

PROJECTED FLOOD ELEVATIONS

River Mile*	Location	10-yr.	100-yr.	500-yr.
	Thorn Creek at 170th	596.2	599.5	602.6
9.4	Little Calumet at eastern Vlg. limit	595.0	598.7	601.8
8.0	Little Calumet at 159th	595.0	598.5	601.8
6.8	Little Calumet at Cottage Grove	594.4	598.0	601.5
5.9	Little Calumet at Calumet Union Ditch	593.8	597.4	601.2
4.4	Little Calumet at western Vlg. limit	591.7	595.6	600.2
	Cal Union Ditch at Grand Trunk RR	595.3	597.8	601.5

* miles above confluence with Calumet-Sag channel

Village Flood Services

The Code Enforcement office at 16240 Wausau (708/210-2915) provides the following:

- ◆ Information on whether a property is in a mapped floodplain, and related flood insurance rate map data;
- ◆ General records of past flooding throughout the Village, but not for specific parcels;
- ◆ Advice on how to protect a building from water problems;
- ◆ Guidance on the laws that govern construction and property improvements, and;
- ◆ Site visit (when a lot is part of a flood rebate program and after receipt of at least two estimates from waterproofing companies) to view the cause and suggest possible solutions to a problem.

Flood maps and flood protection references are also available at the South Holland Public Library. We would like to remind everyone that dumping in ditches, storage basins and wetlands is a violation of the Village Code.

SOUTH HOLLAND HAPPENINGS



African American History

February is African American History Month. The 2014 theme, *Civil Rights in America*, marked the 50th anniversary of the 1964 Civil Rights Act. Mayor Don De Graff, village clerk Sallie Penman, members of the board of trustees and administration honor the men and women who were some of America's greatest contributors and advocates of social justice and civil rights.

Mayor's Coffee

The next quarterly Mayor's Coffee will be held at 7 p.m. Tuesday, March 11, at the Community Center. The coffees provide an informal opportunity for residents to meet with the Mayor and other Village officials to ask questions and share comments and concerns.

National Flood Safety Awareness Week

Flooding is a coast to coast threat to the United States and its territories in all months of the year. National Flood Safety Awareness Week from March 17-21 is intended to highlight some of the many ways floods can occur, the hazards associated with floods, and what you can do to save life and property. For information, visit <http://www.floodsafety.noaa.gov/index.shtml>.

'American English' comes to South Holland

South Holland Recreational Services will present "American English," a Beatles tribute band, on Saturday, March 22, at the South Holland Community Center, 501 E. 170th St.

Considered to be the best Beatles tribute group of our time, the band was voted No. 1 at Beatlefest for three consecutive years. In addition, they were also recognized as Illinois Entertainer of the Year and Best Tribute Band by their Chicagoland fans.

Celebrate 50 years of Beatle memories at this dinner show.

Tickets are now on sale and may be obtained by calling 708-331-2940. Prices are \$40 for advanced tickets and \$45 at the door.

Doors open at 5:30 p.m. and the show begins at 6:30 p.m. Dinner will be served until 6:30 p.m. A table can be reserved with the purchase of six to eight tickets.

Saran Dunmore to headline 2014 Chicago Women's Conference & Expo

South Suburban College proudly announces Saran Dunmore as the Keynote Speaker for the 2014 Chicago Women's Conference & Expo on Friday, March 14, located at the college's Main Campus in South Holland.



Dunmore is an energetic fitness and lifestyle expert who enhances the lives of her clients and viewers through her passionate and motivating approach. Her knowledge and zeal for fitness is evidenced on NBC 5, where she has been a regular Fit Club Coach during the

Saturday morning news hour, since 2007. Dunmore was also a trainer on the hit MTV weight loss show "I Used to Be Fat" from 2009-2012 and which is currently airing internationally. Saran is also an emcee, an athlete and a soon-to-be-author.

The Chicago Women's Conference & Expo is dedicated exclusively to women of all backgrounds ages 18 and up. This event features breakout sessions focusing on Health & Wellness, Business & Finance, and Personal Empowerment topics.

The cost of admission is just \$15 per person with advance registration by March 14 or \$25 at the door. The conference fee includes a continental breakfast, lunch, and admission to all of the break-out sessions. There will also be more than 50 vendors providing shopping opportunities with a wide range of products and services.

For information, or to register for the 2014 Chicago Women's Conference, call 708-596-2000, ext. 2455 or visit www.TheChicagoWomensConference.com.

South Suburban College is located at 15800 S. State St., South Holland.

South Holland Fire Department invites you to an

All You Can Eat
Pancake Breakfast
Saturday, March 22
7 to 11 am
Fire Station #1
16230 Wausau Avenue

HAVE BREAKFAST WITH FIREFIGHTERS!

\$7.00
per person
Children 4 & under FREE



FLOOD PROOFING SERIES

Flood-proofing pays off

The Flood Assistance Rebate program is available to qualified applicants for pre-approved flood-proofing projects.

For example, residents planning to install overhead sewers in their homes to alleviate flooding problems may be eligible for a grant to cover a portion of the project costs.

The grant offers residents a 25 percent rebate, to a maximum of \$2,500, for the following flood-control projects:

SURFACE WATER PROJECTS

- ◆ Diversion of downspout water
- ◆ Flood walls

SEWER BACKUP PROJECTS

- ◆ Overhead sewers (repairs and installation)
- ◆ Removal of sump pump and downspout connections from sanitary sewers
- ◆ Back flow valves

SUBSURFACE PROJECTS

- ◆ Interior and/or exterior drain tile
- ◆ Crack repair and/or waterproofing foundation walls

It is imperative that those planning to apply for a rebate contact the P.D. & C.E. Department at 16240 Wausau, or call 210-2915, before beginning any flood-control project.

The department will meet with the resident, inspect their property, and assist in completion of the necessary rebate application. The department can provide a list of contractors who are licensed to do business in South Holland, if requested.

Homeowners are advised not to wait until the last minute, but to allow plenty of time to secure the required pre-approval and minimum of two bid proposals from contractors.

This is a great program and a lot of people are really thankful that the Village provides this resource to property owners.



A REMINDER....

Freedom Circle Roundabout
166th Street &
Cottage Grove Ave.

**ALWAYS YIELD TO THE
VEHICLE IN THE CIRCLE!**

ASK SOUTH HOLLAND TODAY



Q: There seems to be an increase in train activity. With Canadian National's purchase of EJ&E, we anticipated fewer trains passing through town. What is the status?

A: CSX has acquired the rights to the Elsdon Subdivision portion of the Grand Trunk Western Railroad Company (22.37 miles), which runs from Munster, Ind., through South Holland to Elsdon (just south of the Stevenson Expressway). This stretch intersects 170th Street, South Park Avenue, Route 6 and Vincennes Avenue. CSX is in the process of constructing connections at the Thornton Junction, which should assist in alleviating train-to-train and train-to-automobile congestion in the region. Once the connections are completed, CSX does anticipate a reduction in the number of crossing blockages due to train-to-train congestion despite an increase in the number of trains at crossings north of the Thornton Junction. Residents are encouraged to call 1-877-TellCSX with questions or concerns.

The rail line that runs north/south through town is owned/operated by Union Pacific (into the Dolton/Riverdale yard) and we haven't had anything new to report on that line.

Q: What large household items can I put out on trash day for pick up by our waste hauler?

A: The waste service will pick up two large household items per pickup. For example, a resident can set out a mattress and a dresser (stove, refrigerator, sofa, table) on their scheduled garbage pickup date. Construction materials like drywall, ceramic tile and kitchen cabinets have to be called in to our Public Works Department for a special pick up.



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Flood Monitoring Resources

Flood Monitoring Resources

South Holland Weather Information and River Gauges

2012
VIDEO

Produced by The Joint Flood Awareness Task Force.
This video will give you an idea of what to expect with flooding, and tips to avoid flood damage.
South Holland is one of the few communities in the country to have a CRS rating of 5.

National Weather Service *forecast*

River Levels

[Little Calumet River at South Holland](#)

[Thorn Creek at Thornton](#)

Other Flood Related Items

[South Holland's Flood Assistance Program](#)

Village of South Holland - 16226 Wausau Avenue - South Holland, Illinois 60473 - 708-210-2900

Friday, May 31, 2013 at 9:19 AM

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16240 Wausau Avenue
South Holland, IL 60473
Phone: 708-210-2915
Fax: 708-210-2959

We encourage you to call with your questions.



Flood Protection Video: Keeping Your Home Out Of Deep Trouble

The Joint Flood Awareness Task Force Presents
Flood Protection: Keeping Your Home Out Of Deep Trouble

This video will give you an idea of what to expect with flooding, and tips to avoid flood damage. South Holland, IL is one of the few communities in the country to have a CRS rating of 5.



2012 VIDEO

[See more videos from South Holland on Vimeo](#)

Village of South Holland - 16226 Wausau Avenue - South Holland, Illinois 60473 - 708-210-2900

Friday, May 31, 2013 at 8:12 AM

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Flood Articles

Floodplain Management Plan

[Flood Proofing](#)[Flood Insurance](#)[Code Enforcement
Answers](#)[Floodplain Functions](#)[Village Regulations](#)[Why Flooding Occurs](#)[Flood Hazard Map
of South Holland](#)[Floodplain Management
Plan](#)[Flood Assistance](#)[Flood Assistance](#)[Flood Articles](#)[Floodplain Management
Plan](#)[Flooding & Flood
Protection Information](#)[Little Calumet River
Flood Levels](#)[FEMA
Flood Protection Library](#)[Flood Awareness Week](#)[Keeping Your Home
Out Of Deep Trouble](#)[Planning, Development
and Code Enforcement](#)

16240 Wausau Avenue
South Holland, IL 60473
Phone: 708-210-2915
Fax: 708-210-2959

We encourage you to
call with your questions.



Floodplain Management Plan

Updated November 2010. Click the article you wish to read.

These articles are in PDF format and require Adobe Reader.



[1a - Plan Cover](#)

[1b - Table of Contents](#)

[1 - Introduction](#)

[2 - Problem Description](#)

[3 - Goals](#)

[4 - Flood Control](#)

[5 - Regulations](#)

[6 - Emergency Services](#)

[7 - Property Protection](#)

[8 - Public Information](#)

[9 - Action Plan](#)

The Village of South Holland updates its Floodplain Management Plan on a regular basis. The work is coordinated by the Flood Liaison Committee whose members include representatives of Village offices and floodplain residents. As noted by Village President Don DeGraff, "While floods are acts of nature, the impacts on residents, public facilities, businesses, and private property can be diminished through effective floodplain management programs."

Community input is a vital part of revising the current plan. All South Holland residents are welcome to attend the meetings and to review and comment on the changes being made. The public is invited to attend the Flood Liaison Committee meetings, which are held at Village Hall.



Village of South Holland - 16226 Wausau Avenue - South Holland, Illinois 60473 - 708-210-2900

Thursday, May 22, 2014 at 8:44 AM

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Flood Protection

What the Village is Doing

[Flood Protection Main](#)
[Our Flooding Problems](#)
[Floodplain Map](#)
[What the Village is Doing](#)
[Flood Safety](#)
[Flood Damage](#)
[Where to Start](#)
[Protect Your House](#)
[Flood Protection Laws](#)
[Insurance](#)
[During A Flood](#)
[After A Flood](#)
[Protecting our Streams](#)


What the Village is Doing

The Village of South Holland is attacking our flood problems on several fronts. These include:

- We adopted a comprehensive [Floodplain Management Plan](#) to guide Village activities.
- Our Public Works crews maintain the stream channels, ditches, sewers and inlets.
- Our Planning and Development Department ensures that flood and sewer backup protection measures are incorporated in new construction, improvements and repairs.
- We are preserving most of the floodplain as parks and open space.
- This website is part of an overall public information program strategy to help property owners learn about the hazard and what they can do about it. Additional information is available in [the South Holland Public Library](#) at 16250 Wausau Avenue, and at the Building and Code Department at 16240 Wausau Avenue.
- Our flood protection activities have been recognized by FEMA's Community Rating System (CRS). Many communities in the area participate in this program. South Holland is one of few communities in the nation with a CRS Rating of 5, which brings reduction in flood insurance premiums of up to 25%.
- The Village of South Holland has [Warning Sirens](#) in place to help alert you in advance of an approaching storm with potential flooding risk.
- The Village of South Holland participates in [Code Red Community Notification System](#) which will call residents to alert them of severe weather approaching, potential floods, and many other notifications. Please [enroll in Code Red](#) to ensure that you receive these notifications.



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Thursday, May 22, 2014 at 8:45 AM

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Flood Protection

Flooding and Flood Protection

[Flood Protection Main](#)
[Our Flooding Problems](#)
[Floodplain Map](#)
[What the Village is Doing](#)
[Flood Safety](#)
[Flood Damage](#)
[Where to Start](#)
[Protect Your House](#)
[Flood Protection Laws](#)
[Insurance](#)
[During A Flood](#)
[After A Flood](#)
[Protecting our Streams](#)



Flooding and Flood Protection

What's your situation now?

- Has flooding started? If so, go to [Flood Safety](#) and [During A Flood](#).
- Have you just been flooded? If so, start with [After A Flood](#). Then look through the rest of pages on this site.
- If you're not in a rush and want to know how to protect yourself from the next flood, start with [Our Flooding Problems](#) and [Where to Start](#).

Helpful Links

[What to Expect During a FEMA Inspection](#)

[Don't Forget to Register with FEMA](#)

[FloodSmart](#)

[FEMA Flood Insurance Page](#)



If you have any questions on the ideas presented in this website or would like more help on flood protection, please call the Flood Assistance Coordinator at 210-2915.

Village of South Holland - 16226 Wausau Avenue - South Holland, Illinois 60473 - 708-210-2900

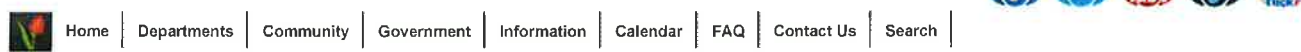
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Flood Assistance

FEMA Flood Protection Library

Flood Assistance

Flood Articles

Floodplain Management Plan

Flooding & Flood Protection Information

Little Calumet River Flood Levels

FEMA Flood Protection Library

Flood Awareness Week

Keeping Your Home Out Of Deep Trouble

Planning, Development and Code Enforcement

16240 Wausau Avenue
South Holland, IL 60473
Phone: 708-210-2915
Fax: 708-210-2959

We encourage you to call with your questions.



FEMA Flood Protection Library

These documents are provided by the FEMA Resource and Document Library

[Above the Flood: Elevating Your Floodprone House](#)

This publication shows how floodprone houses in south Florida were elevated above the 100-year flood level following Hurricane Andrew. Alternative elevation techniques are also demonstrated.

[Answers to Questions About the National Flood Insurance Program](#)

This booklet is intended to acquaint the public with the National Flood Insurance Program (NFIP). Despite the highly technical nature of the Program, there has been a deliberate effort to minimize the use of technical terms. This publication is designed for readers who do not need a detailed history or refined technical or legal explanations, but do need a basic understanding of the program and the answers to some frequently asked questions. Readers who need legal definitions should refer to the Standard Flood Insurance Policy and to NFIP and related regulations.

[Elevated Residential Structures](#)

Flooding in residential areas is bound to happen in flood-prone areas resulting in property damage. This manual is for designers, developers, builders, and others who wish to build elevated residential structures in flood-prone areas.

[Protecting Manufactured Homes from Floods and Other Hazards](#)

This document reflects the requirements of the most current codes and standards and to provide a best practices approach in reducing damages from natural hazards. This document concentrates on flood and wind events, while also addressing seismic hazards and recommends several multi-hazard resistant foundation designs. Designs are included for wood-framed foundations, conventional concrete and masonry pier foundations, and ground anchors. The ground anchor foundations are based on results from a series of first-of-its-kind saturated and dry soil anchor tests.

[Protecting Building Utilities From Flood Damage](#)

The overall objective of this document is to assist in the construction of buildings with building utility systems that are designed and built so that the buildings can be re-occupied and fully operational as soon as electricity and sewer and water are restored to the neighborhood.

[Protecting Floodplain Resources](#)

This guidebook has been written to introduce officials and citizens at the local level to a basic understanding of natural resources in floodplains and to offer suggestions for creating strategies for wisely managing these important areas. As scientific understanding of ecosystems grows, the importance of conserving and restoring the natural resources and functions of floodplains is increasingly recognized. Historically effective floodplain management was recognized as a necessary task to reduce the loss of life and property. However, floodplain areas are now also recognized as having an intrinsic value of their own as a part of the interconnected ecosystem and an influential role in increasing a community's quality of life.

[Reducing Damage from Localized Flooding](#)

This guide is intended to help local offices in cities, towns, villages, and counties in the United States understand what they can do to reduce the damage, disruption, and public and private costs that result from the shallow, localized flooding that occurs within their jurisdictions. This is flooding that all too often escapes the attention received by larger floods or those that are clearly mapped and subject to floodplain development regulations.

[Engineering Principles and Practices of Retrofitting Floodprone Residential Structures](#)

This document is intended to aid homeowners in selecting and successfully executing a flood retrofit on their home. Engineering design and economic guidance on what constitutes feasible and cost-effective retrofitting measures for flood-prone residential and non-residential structures are presented. Elevation, relocation, dry floodproofing, wet floodproofing, and the use of levees and floodwalls to mitigate flood hazards are discussed.

[Flood Damage-Resistant Materials Requirements](#)

Provides guidance on the NFIP regulations concerning the required use of flood-damage resistant construction materials for building components located below the Base Flood Elevation in Special Flood Hazard Areas (both A and V zones).

[Homeowner's Guide to Retrofitting: Six Ways to Protect Your House from Flooding](#)

FEMA has prepared this guide specifically for homeowners who want to know how to protect their homes from flooding. As a homeowner, you need clear information about the options available to you and straightforward guidance that will help you make decisions. This guide gives you both, in a form designed for readers who have little or no experience with flood protection methods or building construction techniques.

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Flood Assistance

Flood Assistance Program

[Flood Assistance](#)[Flood Articles](#)[Floodplain Management Plan](#)[Flooding & Flood Protection Information](#)[Little Calumet River Flood Levels](#)[FEMA Flood Protection Library](#)[Flood Awareness Week](#)[Keeping Your Home Out Of Deep Trouble](#)[Planning, Development and Code Enforcement](#)

16240 Wausau Avenue
South Holland, IL 60473
Phone: 708-210-2915
Fax: 708-210-2959

We encourage you to call with your questions.



Flood Assistance Program

Flood Articles and Information

Flooding and Flood Protection Information

Established in 1994, the Village's [Floodplain Management Plan](#) was created to provide technical and financial assistance to residents of South Holland. Due to this program being established, residents of South Holland now receive a 25% discount when purchasing Federal Flood Insurance.

In addition, the Village of South Holland has established a unique rebate program available to all property owners residing in South Holland, who wish to complete flood control support projects within their home.

Rebate Program Details:

Objective: To promote and encourage flood awareness to residents of the Village of South Holland, so that proper steps may be taken to prevent future problems within the home, while providing financial assistance to encourage flood control projects to be completed.

Details: This program is designed to offer residents a 25% rebate on flood control projects, with a maximum rebate of \$2500.00 per home.

Qualifying Projects:

- Installation of overhead sewers
- Repair of foundation cracks
- Waterproofing of foundation walls
- Installation of drain tiles
- Diversion of downspouts
- Construction of flood walls
- Removal of sump pump and downspout connectors from sanitary sewers
- Installation of backflow devices and lift stations
- Additional projects may qualify

Requirements:

- All projects must be pre-approved by the Village
- Property must be owner occupied
- An application must be completed prior to approval
- Two bid proposals are required

Residents who desire to apply for the Flood Rebate Program are encouraged to call for details. If you have any questions regarding this program, please call us at 708-210-2915.

Helpful Links

The following links may be used to learn more about what you can do to prevent a flood event from occurring in your home.

- FEMA Flood Preparedness - <http://www.ready.gov/floods>
- FEMA Flood Insurance Information - <http://www.fema.gov/national-flood-insurance-program>
- National Weather Service Flood Safety - <http://www.nws.noaa.gov/floodsafety>
- USGS Flood Resources - <http://water.usgs.gov/floods/>
- FloodSmart - http://www.floodsmart.gov/floodsmart/pages/flooding_flood_risks/ffr_overview.jsp
- Weather.gov Weather Safety - <http://www.weather.gov/safety>

Real-Time River Stage Gauges

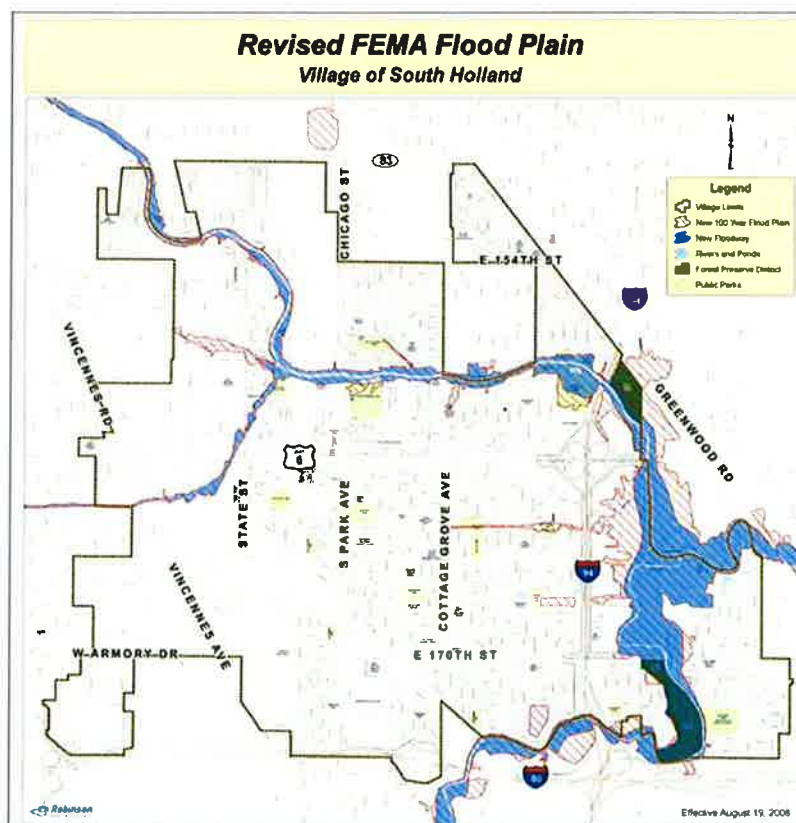
[Little Calumet River at South Holland](#)
[Thorn Creek at Thornton](#)

Flood Warnings

The Village of South Holland has [Warning Sirens](#) in place to help alert you in advance of an approaching storm with potential flooding risk.

The Village of South Holland participates in [Code Red Community Notification System](#) which will call residents to alert them of severe weather approaching, potential floods, and many other notifications. Please [enroll in Code Red](#) to ensure that you receive these notifications.

National Flood Insurance Program Map



For more Information or Questions
Please call us at 708-210-2915 for assistance

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Public Works

Public Works Home

Residential Waste
Pick-Up Guidelines

Recycling Drop-Off
Locations

Electronic Waste
Disposal Sites

Branch Pickup Policy

Hazardous Waste
Collection

Public Works

16226 Wausau Avenue
South Holland, IL 60473
Phone: 708-339-2323
Fax: 708-331-4637

We encourage you to
call with your questions.

Electronic Waste Disposal



Electronic Waste Disposal Sites

The following locations throughout the South Suburbs will accept electronic waste for recycling and disposal. Some sites accept drop-offs and some sites will pick up. Please call your location first.

South Holland Sites

New Neighborhood Development, Inc

Must have at least 3 items or 75 pounds total.

Charges apply on older model televisions.

866-514-0951

Or sign-up online at www.newneighborhood.org

Electronics Recycling Events hosted by the Village of South Holland

Twice a year, the South Holland Library hosts Electronic Recycling events.

Once a year, the South Holland Community Center hosts an Electronic Recycling event.

Stay tuned to Village communications for full details of these events.

VetTech.US locations in the South Suburbs

A project of the Keeling Family Foundation. Supports our Veterans in IT Certifications and employment opportunities.
Drop off only. Accepts all electronics including televisions. Hours for each location are listed below.

Crete

Lions Club: 1215 Douglas Ln
Mon-Fri 7am-9am, Sat 7am-Noon

Glenwood

Village Hall: 13 S Rebecca St
Mon-Fri 9am-5pm

Hazel Crest

Public Works: 2751 W 170th St
Wed 8am-4pm, Sat 10am-4pm

Midlothian

Fire Station 2: 14700 S Homan Ave
Mon & Wed 4pm-8pm, Sat 1pm-5pm

Oak Forest

Bremen Youth Services: 15350 S Oak Park Ave
Mon-Fri 9am-3pm

South Chicago Heights

Fire Department: 2729 Jackson Ave
Mon-Fri 8am-5pm

Dolton

Village Hall: 401 E 144th St
Mon-Fri 8am-3pm

Hazel Crest

Village Hall Entrance: 3000 W 170th Pl
24 Hours

Markham

Bremen Twp Hwy Dept: 16361 Kedzie Pkwy
Mon-Fri 9am-4pm

New Lenox

American Legion #1977: 14414 Ford Dr
Mon-Fri 11am-1pm

Park Forest

Village Hall: 350 Victory Dr
Mon-Fri 9am-5pm

South Chicago Heights

Steger TV Shop: 43 W Sauk Trail
Mon-Fri 10am-5pm

Vintage Tech locations in the South Suburbs

Drop off only. Accepts all electronics including televisions. Hours vary, so call for availability.

Alsip

12841 S Pulaski Rd
312-582-1887

Chicago Heights

1001 Washington Ave
708-756-9838

Lemont

418 Main St
630-653-2662

Chicago

9901 S Torrence Ave
708-878-9030

Tinley Park

Assistive Technology Exchange Network
(benefiting United Cerebral Palsy)

7550 W 183rd St
708-444-8460

Oak Lawn

5532 W 98th St
708-499-7806



Illinois Environmental Protection Agency

Bureau of Water • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Notice of Intent for New or Renewal of General Permit for Discharges from Small Municipal Separate Storm Sewer Systems - MS4's

Part I. General Information

1. MS 4 Operator Name: Village of South Holland
2. MS4 Mailing Address: 16226 Wausau Avenue
City: South Holland State: IL
3. Operator Type: Village Other: _____
4. Operator Status: Local Other: _____
5. Name(s) of governmental entity(ies) in which MS4 is located:
Cook County
6. Area of land that drains to your MS4 in square miles: 7.3
7. Latitude and Longitude at approximate geographical center of MS4 for which you are requesting authorization to discharge:
Latitude: 41 36 00 Longitude: 87 36 00
Degrees Minutes Seconds: Degrees: Minutes: Seconds:
8. Name(s) of known receiving waters
Little Calumet River Calumet Union Drainage Ditch
Thorn Creek Unnamed Tributary to Little Calumet River

9. Persons responsible for implementation or coordination of Stormwater Management Program:

Name: Frank Knittle Title: Director of Community Development Phone: 708-210-2915

Area of Responsibility: Program Administrator

Name: Don DeGraff Title: Village President Phone: 708-210-2900

Area of Responsibility: Program Oversight

Part II. Best Management Practices (include shared responsibilities) which have been implemented or are proposed to be implemented in the MS4 area:

A. Public Education and Outreach

Qualifying Local Programs:

A.1 - Distributed Paper Material: Brochures & Newsletter Articles
 A.4 - Community Event: Annual "Take a Bite Out of Grime" Event
 A.6 - Other Public Education: Website Posts

Measurable Goals (include shared responsibilities)

☒ A.1 Distributed Paper Material

Brief Description of BMP:

Brochures and newsletter articles on various stormwater topics.

Measurable Goals, including frequencies:

Brochures and newsletter articles to be distributed Village-wide four times a year (quarterly).

Milestones:

Go to Additional
Pages

Year 1:

Distribute brochures and newsletters

Year 2:

Distribute brochures and newsletters

Year 3:

Distribute brochures and newsletters

Year 4:

Distribute brochures and newsletters

Year 5:

Distribute brochures and newsletters

☐ A.2 Speaking Engagement☐ A.3 Public Service Announcement☒ A.4 Community Event

Brief Description of BMP:

Measurable Goals, including frequencies:

"Take a Bite Out of Grime" Event will be held annually in the spring.

Milestones:

Year 1:

Host "Take a Bite Out of Grime" Event

Year 2:

Host "Take a Bite Out of Grime" Event

Year 3:

Host "Take a Bite Out of Grime" Event

Year 4:

Host "Take a Bite Out of Grime" Event

Year 5:

Host "Take a Bite Out of Grime" Event

Go to Additional
Pages

☐ A.5 Classroom Education Material

☒ A.6 Other Public Education (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Website Articles and General Information Posts

Measurable Goals, including frequencies:

Articles and general information with varying stormwater topics will be posted on the Village's website throughout the year.

Milestones:

Year 1:

Post articles and general information on the Village website

Year 2:

Post articles and general information on the Village website

Year 3:

Post articles and general information on the Village website

Year 4:

Post articles and general information on the Village website

Year 5:

Post articles and general information on the Village website

B.Public Participation/Involvement

Measurable Goals (include shared responsibilities)

Qualifying Local Programs:

B.4 - Public Hearing: Annual Public Hearing/Informational Meeting
B.7 - Other Public Involvement: Annual "Take a Bite Out of Grime" Event

☐ B.2 Educational Volunteer

☐ B.3 Stakeholder Meeting

☒ B.4 Public Hearing (You may need to go to the next page to fill in this information)

Brief Description of BMP:

The Village will hold an annual public hearing/informational meeting.

Measurable Goals, including frequencies:

Residents can make comments, ask questions, provide suggestions on how to improve the program. The Public Hearing will be held annually.

Milestones:

Year 1:

Hold Public Hearing

Year 2:

Hold Public Hearing

Year 3:

Hold Public Hearing

Year 4:

Hold Public Hearing

Year 5:

Hold Public Hearing

☐ B.5 Volunteer Monitoring

☐ B.6. Program Involvement

☒ B.7 Other Public Involvement (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Annual "Take a Bite Out of Grime" Event. This BMP also falls under A.4 - Community Event.

Measurable Goals, including frequencies:

"Take a Bite Out of Grime" Event will be held annually in the spring.

Milestones:

Year 1:

Host "Take a Bite Out of Grime" Event

Year 2:

Host "Take a Bite Out of Grime" Event

Page 5 of 23

Year 3:

Host "Take a Bite Out of Grime" Event

Year 4:

Host "Take a Bite Out of Grime" Event

Year 5:

Host "Take a Bite Out of Grime" Event

Go to Additional
Pages

C. Illicit Discharge Detection and Elimination

Qualifying Local Programs:

C.1 - Sewer Map Preparation
C.2 - Regulatory Control Program
C.7 - Visual Dry Weather Screening

Measurable Goals (include shared responsibilities)

☒ C.1 Sewer Map Preparation (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Review and update the Village storm sewer atlas as needed.

Measurable Goals, including frequencies:

The storm sewer atlas will be reviewed and updated on a yearly basis.

Milestones:

Year 1:

Review and update storm sewer atlas.

Year 2:

Review and update storm sewer atlas.

Year 3:

Review and update storm sewer atlas.

Year 4:

Review and update storm sewer atlas.

Year 5:

Review and update storm sewer atlas.

Go to Additional
Pages

☒ C.2 Regulatory Control Program (You may need to go to the next page to fill in this information)

Sewer Use Ordinance

Measurable Goals, including frequencies:

The Village will continue to enforce the Sewer Use Ordinance. In Year 3, the Village will review the Ordinance for necessary updates and adopt in Year 4.

Milestones:

Year 1:

Continue to enforce Sewer Use Ordinance

Year 2:

Continue to enforce Sewer Use Ordinance

Year 3:

Continue to enforce Sewer Use Ordinance and review for necessary updates

Year 4:

Continue to enforce Sewer Use Ordinance and adopt any necessary updates

Year 5:

Continue to enforce Sewer Use Ordinance

Go to Additional
Pages

- ☐ C.3 Detection/Elimination Prioritization Plan
- ☐ C.4 Illicit Discharge Tracing Procedures
- ☐ C.5 Illicit Source Removal Procedures
- ☐ C.6 Program Evaluation and Assessment
- ☒ C.7 Visual Dry Weather Screening

(You may need to go to the next page to fill in this information)

Visual dry weather Inspections at outfall locations.

Measurable Goals, including frequencies:

Inspections to be completed on a yearly basis.

Milestones:

Year 1:

Complete outfall inspections

Year 2:

Complete outfall inspections

Year 3:

Complete outfall inspections

Year 4:

Complete outfall inspections

Year 5:

Complete outfall inspections

Go to Additional
Pages

- ☐ C.8 Pollutant Field Testing
- ☐ C.9 Public Notification
- ☐ C.10 Other Illicit Discharge Controls

D. Construction Site Runoff Control

Measurable Goals (include shared responsibilities)

Qualifying Local Programs:

D.1 - Regulatory Control Program: Erosion and Sediment Control Ordinance
 D.2 - Erosion and Sediment Control BMPs: Erosion and Sediment Control Ordinance
 D.4 - Site Plan Review Procedures: Ordinance
 D.6 - Site Inspection/Enforcement Procedures: Ordinance

- ☒ D.1 Regulatory Control Program (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Enforcement of Erosion and Sediment Control Ordinance

Measurable Goals, including frequencies:

Continue to enforce Erosion and Sediment Control Ordinance. In Year 3, the Village will review the Ordinance for necessary updates and adopt in Year 4.

Milestones:

Year 1:

Continue to enforce Erosion and Sediment Control Ordinance

Year 2:

Continue to enforce Erosion and Sediment Control Ordinance

Year 3:

Continue to enforce Erosion and Sediment Control Ordinance and review for necessary updates

Year 4:

Continue to enforce Erosion and Sediment Control Ordinance and adopt any necessary updates

Year 5:

Continue to enforce Erosion and Sediment Control Ordinance

Go to Additional
Pages

☒ D.2 Erosion and Sediment Control BMPs (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Erosion and Sediment Control Ordinance

Measurable Goals, including frequencies:

Continue to enforce Erosion and Sediment Control Ordinance

Milestones:

Year 1:

Continue to enforce Erosion and Sediment Control Ordinance

Year 2:

Continue to enforce Erosion and Sediment Control Ordinance

Year 3:

Continue to enforce Erosion and Sediment Control Ordinance

Year 4:

Continue to enforce Erosion and Sediment Control Ordinance

Year 5:

Continue to enforce Erosion and Sediment Control Ordinance

Go to Additional
Pages

☐ D.3 Other Waste Control Program

☒ D.4 Site Plan Review Procedures (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Site Plan Review Procedures

Measurable Goals, including frequencies:

Continue to enforce applicable sections of the Ordinance as part of the site plan review process

Milestones:

Year 1:

Continue Ordinance enforcement

Year 2:

Continue Ordinance enforcement

Year 3:

Continue Ordinance enforcement

Year 4:

Year 5:

Continue Ordinance enforcement

[Go to Additional
Pages](#)☐ D.5 Public Information Handling Procedures☒ D.6 Site Inspection/Enforcement Procedures (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Site Inspection/Enforcement Procedures

Measurable Goals, including frequencies:

Continue to enforce applicable sections of the Ordinance as part of the construction site inspection process

Milestones:

Year 1:

Continue Ordinance enforcement

Year 2:

Continue Ordinance enforcement

Year 3:

Continue Ordinance enforcement

Year 4:

Continue Ordinance enforcement

Year 5:

Continue Ordinance enforcement

[Go to Additional
Pages](#)☐ D.7 Other Construction Site Runoff Controls

E. Post-Construction Runoff Control

Qualifying Local Programs:

E.2 - Regulatory Control Program: Ordinance
E.3 - Long Term O&M Procedures
E.4 - Pre-Construction Review of BMP Designs
E.5 - Site Inspections During Construction
E.6 - Post-Construction Inspections

Measurable Goals (include shared responsibilities)

☐ E.1 Community Control Strategy

☒ E.2 Regulatory Control Program

Brief Description of BMP:

Erosion and Sediment Control Ordinance

Measurable Goals, including frequencies:

Continue to enforce Erosion and Sediment Control Ordinance. In Year 3, the Village will review the Ordinance for necessary updates and adopt in Year 4.

Milestones:

Year 1:

Continue to enforce Erosion and Sediment Control Ordinance

Year 2:

Continue to enforce Erosion and Sediment Control Ordinance

Year 3:

Continue to enforce Erosion and Sediment Control Ordinance and review for necessary updates

Year 4:

Continue to enforce Erosion and Sediment Control Ordinance and adopt any necessary updates

Year 5:

Continue to enforce Erosion and Sediment Control Ordinance

Go to Additional
Pages

☒ E.3 Long Term O & M Procedures

(You may need to go to the next page to fill in this information)

Control of Post Construction Stormwater Runoff Ordinance

Measurable Goals, including frequencies:

Continue to enforce the Ordinance. Conduct periodic inspections as needed.

Milestones:

Year 1:

Continue to enforce the Ordinance

Year 2:

Continue to enforce the Ordinance

Year 3:

Continue to enforce the Ordinance

Year 4:

Continue to enforce the Ordinance

Year 5:

Continue to enforce the Ordinance

Go to Additional
Pages

☒ E.4 Pre-Construction Review of BMP Designs (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Stormwater Conveyance Systems Ordinance

Measurable Goals, including frequencies:

Continue to enforce the Ordinance including review of BMP design during the site plan review process

Milestones:

Year 1:

Continue to enforce the Ordinance

Year 2:

Continue to enforce the Ordinance

Year 3:

Continue to enforce the Ordinance

Year 4:

Continue to enforce the Ordinance

Year 5:

Continue to enforce the Ordinance

Go to Additional
Pages

☒ E.5 Site Inspections During Construction (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Erosion and Sediment Control Ordinance

Measurable Goals, including frequencies:

Continue to enforce the Ordinance including site inspections as needed

Milestones:

Year 1:

Continue to enforce the Ordinance

Year 2:

Continue to enforce the Ordinance

Year 3:

Continue to enforce the Ordinance

Year 4:

Continue to enforce the Ordinance

Year 5:

Continue to enforce the Ordinance

Go to Additional
Pages

☒ E.6 Post-Construction Inspections

Brief Description of BMP:

Control of Post Construction Stormwater Runoff Ordinance

Measurable Goals, including frequencies:

Inspect existing stormwater facilities throughout the year as needed

Milestones:

Year 1:

Conduct inspections as needed

Year 2:

Conduct inspections as needed

Year 3:

Conduct inspections as needed

Year 4:

Conduct inspections as needed

Year 5:

Conduct inspections as needed

Go to Additional
Pages

☐ E.7 Other Post-Construction Runoff Controls

F. Pollution Prevention/Good Housekeeping

Measurable Goals (include shared responsibilities)

Qualifying Local Programs:

F.1 - Employee Training Program
F.2 - Inspection and Maintenance Program
F.3 - Municipal Operations Storm Water Control
F.4 - Municipal Operations Waste Disposal
F.5 - Flood Management/Assess Guidelines

☒ F.1 Employee Training Program

(You may need to go to the next page to fill in this information)

Brief Description of BMP:

Employee Training

Measurable Goals, including frequencies:

Train employees on a yearly basis on public works aspects (i.e. storm water management, salt spreading, spill protection, proper disposal of oils and debris, catch basin cleaning and storm sewer inspection). In year 5 the Village will review its training program.

Milestones:

Year 1:

Provide employee training

Year 2:

Provide employee training

Year 3:

Provide employee training

Year 4:

Provide employee training

Year 5:

Provide employee training and review program

Go to Additional
Pages

☒ F.2 Inspection and Maintenance Program

(You may need to go to the next page to fill in this information)

Brief Description of BMP:
Inspection and Maintenance Program

Measurable Goals, including frequencies:

Continue yearly inspections and maintenance of the village stormwater facilities (i.e. make necessary repairs; conduct street sweeping; inspect and clean catch basins...etc)

Milestones:

Year 1:

Perform inspections and maintenance as needed

Year 2:

Perform inspections and maintenance as needed

Year 3:

Perform inspections and maintenance as needed

Year 4:

Perform inspections and maintenance as needed

Year 5:

Perform inspections and maintenance as needed

Go to Additional
Pages

☒ F.3 Municipal Operations Storm Water Control(You may need to go to the next page to fill in this information)

Brief Description of BMP:

Municipal Operations Storm Water Control

Measurable Goals, including frequencies:

Continue Village operations for storm water control

Milestones:

Year 1:

Continue operations

Year 2:

Continue operations

Year 3:

Continue operations

Year 4:

Continue operations

Year 5:

Continue operations

Go to Additional
Pages

☒ F.4 Municipal Operations Waste Disposal (You may need to go to the next page to fill in this information)

Municipal Operations Waste Disposal

Measurable Goals, including frequencies:

Continue Village operations for waste disposal

Milestones:

Year 1:

Continue operations

Year 2:

Continue operations

Year 3:

Continue operations

Year 4:

Continue operations

Year 5:

Continue operations

Go to Additional
Pages

☒ F.5 Flood Management/Assess Guidelines (You may need to go to the next page to fill in this information)

Brief Description of BMP:

Special Flood Hazard Areas Ordinance

Measurable Goals, including frequencies:

Continue flood management through the site plan review process and enforcement of the Ordinance

Milestones:

Year 1:

Continue Ordinance enforcement

Year 2:

Continue Ordinance enforcement

Year 3:

Continue Ordinance enforcement

Year 4:

Continue Ordinance enforcement

Year 5:

Continue Ordinance enforcement

Go to Additional
Pages

☐ F.6 Other Municipal Operations Controls

Part III. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fines and imprisonment.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony (415 ILCS 5/44 (h)).

Frank Knittle

FRANK E. KNITTLE

Authorized Representative Name

Director of Community Development

Title

9/24/13

Date

Frank E. Knittle

Authorized Representative Signature

You may complete this form online and save a copy locally before printing and signing the form. It should then be sent to:

Illinois Environmental Protection Agency
Bureau of Water
Division of Water Pollution Control
Attn: Permit Section
P.O. Box 19276
1021 North Grand Avenue East
Springfield, IL 62794-9276

Additional Info - Page 1

A. Public Education and Outreach

BMP Number

Add Another BMP

Delete Last Entry

Additional Info - Page 2

B. Public Participation/Involvement

BMP Number

Add Another BMP

Delete Last Entry

Additional Info - Page 3

C. Illicit Discharge Detection and

BMP Number

Add Another BMP

Delete Last Entry

D. Construction Site Runoff Control

BMP Number

--

Add Another BMP

Delete Last Entry

E. Post-Construction Runoff Control

BMP Number

Add Another BMP

Delete Last Entry

F. Pollution Prevention/Good

BMP Number

Add Another BMP

Delete Last Entry

VILLAGE OF SOUTH HOLLAND																		
CHANNELS AND STRUCTURES INVENTORY																		
DATE OF REPORT :												Total inspections past due:	542.b CRS ACTIVITY 542.a					
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	
COMPONENT COUNT	FACILITY CODE	FACILITY TYPE	DESCRIPTION	ADDRESS	NATURAL OR MAN-MADE	PUBLIC OR PRIVATE	FACILITY OWNER	ACCESSIBLE TO VILLAGE PERSONNEL?	RESPONSIBLE PARTY	LAST INSPECTION DATE	NEXT INSPECTION DATE	REQUIRED RESPONSE TIME	PROBLEM SITE (PSM)?	CRS CREDIT				
														INSPECTION FREQUENCY Normal inspection frequency=	Channel Debris Removal (CDR) Credit			
															PART OF A CDR MAINT. PROGRAM? (Yes/No)	POTENTIAL IMPACT ON DEVELOPED AREAS? (Yes/No)	CRS CREDIT?	
TOTAL ALL FACILITY TYPES =		Channels(CH_) = 83 Bridges (BR_) = 13 Culverts (CU) = 6 Confluences (CN) = 13 Headwalls/FES' (HW) = 10 Other (O) = 0						If Yes, indicate EASEMENT, ORDINANCE OR ACCESS AGREEMENT?	1. South Holland 2. Private owner 3. MWRD 4. Drainage District 5. State 6. County		Past due inspections are shown in red	5 Days or 10 Days	(Choke point, Erosion, Dumping, etc.)	PSM Credit Max--v			Count of CSR Credit Items (CDR) =	
126															50			116
															Earned (Yes/No)?		Components:	126
															Yes		Credit %:	92%
														50		Max.Pts:	200	
																Credit Earned :	184	
1	CH1	Channel segment	SOUTH SUBURBAN DITCH	157TH STREET & LASALLE	Man-made	Public	SOUTH HOLLAND	Ease/Ord.	MWRD	9/13/2013	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
2	CH2	Channel segment	"	157TH STREET & STATE ST.	Man-made	Public	SOUTH HOLLAND	"	MWRD	9/13/2013	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
3	CU1	Culvert	"	ROBIN LN. & STATE ST.	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
4	CH3	Channel segment	"	WIGAM PARK	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
									MWRD	09/13/13	4/15/2014	10	no	Semi-annual				
5	CH4	Channel segment	CALUMET UNION DRAINAGE DITCH	VINCENNES & CUDD BRIDGE	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
6	BR1	Bridge	"		Man-made	Public	Illinois	"	MWRD	09/13/13	12/15/2013	3	CHOKE	Quarterly	Yes	Yes	Yes	
7	CH5	Channel segment	"		Man-made	Public	South Holland	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	NO	No	
8	BR2	Bridge	"	(Canadian National Railroad)	Man-made	Public	CNRR	"	MWRD	09/13/13	12/15/2013	3	CHOKE	Quarterly	Yes	Yes	Yes	
9	CH6	Channel segment	"	(Spirit of God Church)	Man-made	Public	Church	"	MWRD	09/13/13	4/15/2014	10	no	Semi-annual	Yes	Yes	Yes	
10	CH7	Channel segment	"	(South Holland Dodge)	Man-made	Public	South Holland Dodge	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
11	BR3	Bridge	"	(State of Illinois)	Man-made	Public	Illinois	"	MWRD	09/13/13	12/15/2013	3	CHOKE	Quarterly	Yes	Yes	Yes	
12	HW1	Headwall or Flared end section	"	(South Holland)	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
13	CH8	Channel segment	"	(SSC Detention ...)	Man-made	Public	College	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
14	CU2	Culvert	"	(State of Illinois)	Man-made	Public	State of Illinois	"	MWRD	09/13/13	4/15/2014	10	no	Semi-annual	Yes	Yes	Yes	
15	CH9	Channel segment	"	WALT FOOD PARKING	Man-made	Public	WALTS	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
16	HW2	Headwall or Flared end section	"	(State of Illinois)	Man-made	Public	State of Illinois	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
17	CH10	Channel segment	"	WALT FOOD PARKING	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
18	HW3	Headwall or Flared end section	"	(Church parking lot perimeter)	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
19	CH11	Channel segment	"	DE YOUNG GROVE PARK	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/15/2014	10	no	Semi-annual	Yes	Yes	Yes	
20	CN1	Confluence	"	WIGWAM PARK	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
21	CH12	Channel segment	"	WIGWAM PARK	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
22	CN2	Confluence	"	WIGWAM PARK	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
23	CH13	Channel segment	LITTLE CALUMET RIVER	147TH ST & LITTLE CALUMET RIVER	Natural	Public	SOUTH HOLLAND	Ease/Ord.	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
24	CH14	Channel segment	"	RIVERSIDE COMMUNITY PARK	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
25	CH15	Channel segment	"	ECHO SCHOOL	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
26	CH16	Channel segment	"	RIVERSIDE EAST & RIVER	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
27	HW4	Headwall or Flared end section	"	RIVERSIDE EAST & RIVER	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/15/2014	10	no	Semi-annual	Yes	Yes	Yes	
28	CH17	Channel segment	"	RIVERSIDE EAST & RIVER	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
29	CH18	Channel segment	"	STATE ST. & RIVER	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
30	BR4	Bridge	State Street bridge	153RD STREET & STATE ST.	Man-made	Public	State of Illinois	"	MWRD	09/13/13	12/15/2013	3	CHOKE	Quarterly	Yes	Yes	Yes	
31	CH19	Channel segment		HENEY PARK	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
32	CH20	Channel segment		MORNINGSIDE REALTY	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
33	CH21	Channel segment	MORNINGSIDE & UPRR	UNION PACIFIC RAILROAD YARD	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
34	CH22	Channel segment	MORNINGSIDE & UPRR	UNION PACIFIC RAILROAD YARD	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
35	CU3	Culvert	(culvert)	TEE PEE PARK	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	
36	CH23	Channel segment		15700 S MICHIGAN	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes	

VILLAGE OF SOUTH HOLLAND																	
CHANNELS AND STRUCTURES INVENTORY																	
DATE OF REPORT : 29-Nov-13												Total inspections past due:	542.b CRS ACTIVITY 542.a				
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)
COMPONENT COUNT	FACILITY CODE	FACILITY TYPE	DESCRIPTION	ADDRESS	NATURAL OR MAN-MADE	PUBLIC OR PRIVATE	FACILITY OWNER	ACCESSIBLE TO VILLAGE PERSONNEL?	RESPONSIBLE PARTY	LAST INSPECTION DATE	NEXT INSPECTION DATE	REQUIRED RESPONSE TIME	PROBLEM SITE (PSM)?	CRS CREDIT			
														INSPECTION FREQUENCY Normal inspection frequency=	Channel Debris Removal (CDR) Credit		
															PART OF A CDR MAINT. PROGRAM? (Yes/No)	POTENTIAL IMPACT ON DEVELOPED AREAS? (Yes/No)	CRS CREDIT?
TOTAL ALL FACILITY TYPES = 126		Channels(CH_) = 83 Bridges (BR_) = 13 Culverts (CU) = 6 Confluences (CN) = 13 Headwalls/FES' (HW) = 10 Other (O) = 0						If Yes, indicate EASEMENT, ORDINANCE OR ACCESS AGREEMENT?	1. South Holland 2. Private owner 3. MWRD 4. Drainage District 5. State 6. County		Past due inspections are shown in red	5 Days or 10 Days	(Choke point, Erosion, Dumping, etc.)	PSM Credit Max--v 50 Earned (Yes/No)? Yes 50		Components: Credit %: Max.Pts: Credit Earned :	Count of CSR Credit Items (CDR) = 116 126 92% 200 184
37	CN2	Confluence	Confluence of CUDD and Little Calumet R.	DE YOUNG'S GROVE PARK	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
38	CH24	Channel segment		DE YOUNG'S GROVE PARK	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	NO	No
39	BR9	Bridge	Woodlawn Ave.	DE YOUNG'S GROVE PARK	Man-made	Public	SOUTH HOLLAND		MWRD	09/13/13	12/15/2013	3	YES	Quarterly	Yes	Yes	Yes
40	BR11	Bridge	Railroad bridge adjacent to Woodlawn Ave.	WOODLAWN AVENUE	Man-made	Private	Union Pacific RR	no	Union Pacific RR	09/13/13	12/15/2013	3	YES	Quarterly	Yes	Yes	Yes
41	BR12	Bridge	Railroad bridge adjacent to Woodlawn Ave.	WOODLAWN AVENUE	Man-made	Private	Union Pacific RR	no	Union Pacific RR	09/13/13	12/15/2013	3	YES	Quarterly	Yes	Yes	Yes
42	CU4	Culvert	" "	WOODLAWN AVENUE	Man-made	Public	SOUTH HOLLAND	Ease/Ord.	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
43	CH25	Channel segment	1 CR CHURCH	1 CR CHURCH PARKING	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
44	CH26	Channel segment		1 CR CHURCH PARKING	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
45	BR5	Bridge	South Park bridge	VETERANS PARK	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	12/15/2013	3	YES	Quarterly	Yes	Yes	Yes
46	CH27	Channel segment	VETERANS PARK	VETERANS PARK	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
47	HW10	Headwall or Flared end section	VETERANS PARK	VETERANS PARK	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
48	CH28	Channel segment	VETERANS PARK	VETERANS PARK	Natural		SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
49	HW5	Headwall or Flared end section	SCHOOL STREET MAIN	(North end of School Street)	Man-made		SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
50	CH29	Channel segment		150 TH STREET & AND COW PATH	Natural		SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
51	CH84	Channel segment	Van Oostenbrugge Park	158 TH ST & COW PATH	Man-made		SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
52	CU6	Culvert	" "	158th Street and Mutual Terrace	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	12/15/2013	3	no	Semi-annual	Yes	Yes	Yes
53	CH49	Channel segment	" "	" "	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	12/15/2013	3	no	Semi-annual	Yes	Yes	Yes
54	CN3	Confluence	" "	" "	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
55	CH30	Channel segment	CHURCH PARKING LOT	15600 COTTAGE GROVE AV.	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
56	BR6	Bridge	Cottage Grove bridge	RIVERVIEW PARK	Man-made	Public	State of Illinois	NO	MWRD	09/13/13	12/15/2013	3	YES	Quarterly	Yes	Yes	Yes
57	HW6	Headwall or Flared end section	" "	15900 COTTAGE GROVE AV.	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
58	CH31	Channel segment	RIVERVIEW PARK	RIVERVIEW & COTTAGE GROVE AV.	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
59	HW7	Headwall or Flared end section	RIVERVIEW PARK	RIVERVIEW PARK	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
60	CH32	Channel segment	RIVERVIEW PARK	RIVERVIEW PARK	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
61	CH33	Channel segment	RIVERVIEW PARK	RIVERVIEW PARK	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
62	CH34	Channel segment	RIVERVIEW PARK	RIVERVIEW PARK	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
63	HW8	Headwall or Flared end section	PACESETTER PARK	PACESETTER PARK	Man-made	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
64	CH35	Channel segment	PACESETTER PARK	PACESETTER PARK		Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
65	CH36	Channel segment	GOUWENS PARK	GOUWENS PARK		Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
66	BR7	Bridge	I-94 EXPRESSWAY	GOUWENS PARK	Man-made	Public	State of Illinois	"	State of Illinois	09/13/13	12/15/2013	3	no	Semi-annual	Yes	Yes	Yes
67	CH37	Channel segment	UNDER I-94	GOUWENS PARK	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	NO	No
68	CH38	Channel segment	... truck stop	Real G... Truck Stop	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	NO	No
			CH39 (Outside City limits)	" "	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	
69	BR8	Bridge	US ROUTE 6 BRIDGE	US ROUTE 6 & VAN DAMM	Man-made	Public	State of Illinois	"	State of Illinois	09/13/13	12/15/2013	3	no	Semi-annual	Yes	Yes	Yes
70	CH40	Channel segment	" "	" "	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
71	CN4	Confluence	Behind Loves	OPEN BY LOUES	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
72	CH41	Channel segment	Curve of river	CALUMET MEM. PARK	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	NO	No
73	CH42	Channel segment	Confluence of Thorn Cr	CALUMET MEM.PARK	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	No	NO	FALSE
74	CH43	Channel segment	CALUMET PARK	CALUMET MEM. PARK	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	NO	No
75	CN5	Confluence	Confluence of Thorn Ck & Little Calumet R.	CALUMET MEM. PARK	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	12/15/2013	3	YES	Quarterly	Yes	NO	No
76	CH44	Channel segment	Little Calumet River	RIVER FRONT PARK	Natural	Public	(undeveloped)	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	NO	No
77	CH45	Channel segment	Little Calumet River	166TH STREET & PAYTON	Natural	Public	(undeveloped)	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes
78	HW9	Headwall or Flared end section	Flared end section	1942 167TH PLACE	Man-made	Public	South Holland	"	South Holland	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes
79	CH46	Channel segment	Little Calumet River	END OF PAYTON	Natural	Public	(undeveloped)	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes
80	CH47	Channel segment	Little Calumet River	END OF PAYTON	Natural	Public	(undeveloped)	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes
81	CH48	Channel segment	Little Calumet River	(gas pipe line)	Natural	Public	(undeveloped)	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes
						Public				09/13/13	04/14/14	10	no	Semi-annual			

VILLAGE OF SOUTH HOLLAND																		
CHANNELS AND STRUCTURES INVENTORY																		
DATE OF REPORT :												Total inspections past due:	542.b				CRS ACTIVITY 542.a	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	
COMPONENT COUNT	FACILITY CODE	FACILITY TYPE	DESCRIPTION	ADDRESS	NATURAL OR MAN-MADE	PUBLIC OR PRIVATE	FACILITY OWNER	ACCESSIBLE TO VILLAGE PERSONNEL?	RESPONSIBLE PARTY	LAST INSPECTION DATE	NEXT INSPECTION DATE	REQUIRED RESPONSE TIME	PROBLEM SITE (PSM)?	CRS CREDIT				
														INSPECTION FREQUENCY Normal inspection frequency=	Channel Debris Removal (CDR) Credit			
															PART OF A CDR MAINT. PROGRAM? (Yes/No)	POTENTIAL IMPACT ON DEVELOPED AREAS? (Yes/No)	CRS CREDIT?	
TOTAL ALL FACILITY TYPES =		Channels(CH_) = 83 Bridges (BR_) = 13 Culverts (CU) = 6 Confluences (CN) = 13 Headwalls/FES' (HW) = 10 Other (O) = 0						If Yes, indicate EASEMENT, ORDINANCE OR ACCESS AGREEMENT?	1. South Holland 2. Private owner 3. MWRD 4. Drainage District 5. State 6. County		Past due inspections are shown in red	5 Days or 10 Days	(Choke point, Erosion, Dumping, etc.)	PSM Credit Max--v			Count of CSR Credit Items (CDR) =	
126			50												Earned (Yes/No)?		Components:	116
			Yes												Yes		Credit %:	126
			50														Max.Pts:	200
																Credit Earned :	184	
82	CH50	Channel segment	THORN DITCH	MAICACH PARK	Man-made	Public	South Holland	Ease/Ord.	South Holland	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
83	CH51	Channel segment	"	MAICACH PARK	Man-made	Public	South Holland	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
84	CH52	Channel segment	"	DUTCH VALLEY PARK	Man-made	Public	South Holland	"	MWRD	09/13/13	01/14/14	10	no	Semi-annual	Yes	Yes	Yes	
85	CH53	Channel segment	"	DUTCH VALLEY PARK	Man-made	Public	South Holland	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
86	CU5	Culvert	"	PRINCE & VAN DAM	Man-made	Public	South Holland	"	South Holland	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
87	CH54	Channel segment	"	VAN DAM ROAD	Man-made	Public	South Holland	Ease/Ord.	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
88	CH55	Channel segment	"	(Rear of houses)	Man-made	Public	South Holland	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
										09/13/13	04/14/14		no	Semi-annual				
										09/13/13	04/14/14		no	Semi-annual				
89	CH58	Channel segment	THORN CREEK	REAR OF 1000 BLOCK OF 173RD STREET	Natural	Public	South Holland Fire Dept.	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
90	CH59	Channel segment	"	REAR OF 1100 BLOCK OF 173RD STREET	Natural	Public	South Holland Fire Dept.	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
91	CH60	Channel segment	"	REAR OF 17300 KIMBARK	Natural	Public	South Holland Fire Dept.	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
92	CH61	Channel segment	"	REAR OF 1300 BLOCK OF 173RD STREET	Natural	Public	South Holland Fire Dept.	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
93	CH62	Channel segment	"	UNDER I-394	Natural	Public	State of Illinois	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
94	CH63	Channel segment	"	UNDER I-394	Natural	Public	State of Illinois	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
95	CH64	Channel segment	"	VOLLBRECHT BRIDGE	Natural	Public	South Holland	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
96	CH65	Channel segment	"	VOLLBRECHT BRIDGE	Natural	Public	South Holland	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
97	CH66	Channel segment	"	I-80 / I-94	Natural	Public	CCFPD	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
98	CH67	Channel segment	"	BERNICE ROAD & I-80	Natural	Public	CCFPD	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
99	CH68	Channel segment	"	PARRLBERG PARK	Natural	Public	CCFPD	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
100	CH69	Channel segment	"	FIRST BAPTIST CHURCH	Natural	Public	CCFPD	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
101	CH70	Channel segment	"	FOREST PRESERVE WALKING TRAIL	Natural	Public	CCFPD	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
102	CH71	Channel segment	"	FOREST PRESERVE WALKING TRAIL	Natural	Public	CCFPD	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
103	BR10	Bridge	"	170TH STREET & THORN CREEK BRIDGE	Natural	Public	CCFPD	"	MWRD	09/13/13	04/14/14	10	CHOKE	Quarterly	Yes	Yes	Yes	
104	CH72	Channel segment	"	CCFPD @ 170TH STREET BRIDGE	Natural	Public	CCFPD	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
105	CH73	Channel segment	"	CALUMET MEM. PARK DISTRICT	Natural	Public	South Holland	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
106	CH74	Channel segment	"	CALUMET MEM. PARK DISTRICT	Natural	Public	South Holland	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
107	CH75	Channel segment	"	CALUMET MEM. PARK DISTRICT	Natural	Public	South Holland	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
108	CN6	Confluence	"	CALUMET MEM. PARK DISTRICT	Natural	Public	South Holland	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
109	CH76	Channel segment	"	CALUMET MEM. PARK DISTRICT	Natural	Public	South Holland	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
110	CH77	Channel segment	"	CALUMET MEM. PARK DISTRICT	Natural	Public	South Holland	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
111	CH78	Channel segment	"	CALUMET MEM. PARK DISTRICT	Public	Public	South Holland	"	MWRD	09/13/13	04/14/14	10	no	Semi-annual	Yes	Yes	Yes	
112	BR	Bridge	OLD VOLBRECHT ROAD	END OF VOLBRECHT ROAD	Man-made	Public	State of Illinois	"	MWRD	09/13/13	04/14/14	10	CHOKE	Quarterly			FALSE	
										09/13/13			no	Semi-annual				
													no	Semi-annual				
113	CH56	Channel segment	VAN DRUNEN DITCH	168TH STREET & VAN DAM ROAD	Man-made	Public	South Holland	"	MWRD	09/13/13	04/16/14	10	no	Semi-annual	Yes	Yes	Yes	
114	CH57	Channel segment	"	168TH STREET & (cul de sac)	Man-made	Public	South Holland	"	MWRD	09/13/13	04/16/14	10	no	Semi-annual	Yes	Yes	Yes	
115	CN06		"	VAN DRUNEN DRIVE & THORN CREEK	Man-made	Public	South Holland	"	MWRD	09/13/13	12/15/13	3	CHOKE	Quarterly	Yes	Yes	Yes	
116	HW11	Confluence	SOUTH PARK DITCH	UNION PACIFIC RAILROAD YARD	Man-made	Private	Union Pacific RR	"	MWRD	09/13/13	04/16/14	10	no	Semi-annual	Yes	Yes	Yes	
117	CH79	Channel segment	"	UNION PACIFIC RAILROAD YARD	Man-made	Private	Union Pacific RR	"	MWRD	09/13/13	04/16/14	10	no	Semi-annual	Yes	Yes	Yes	
118	HW12	Confluence	"	UNION PACIFIC RAILROAD YARD	Man-made	Private	Union Pacific RR	"	MWRD	09/13/13	04/16/14	10	no	Semi-annual	Yes	Yes	Yes	
119	CH80	Channel segment	"	UNION PACIFIC RAILROAD YARD	Man-made	Private	Union Pacific RR	"	MWRD	09/13/13	04/16/14	10	no	Semi-annual	Yes	Yes	Yes	
120	HW13	Confluence	"	UNION PACIFIC RAILROAD YARD	Man-made	Private	Union Pacific RR	"	MWRD	09/13/13	04/16/14	10	no	Semi-annual	Yes	Yes	Yes	
121	CH81	Channel segment	"	UNION PACIFIC RAILROAD YARD	Man-made	Private	Union Pacific RR	"	MWRD	09/13/13	04/16/14	10	no	Semi-annual	Yes	Yes	Yes	
122	HW14	Confluence	"	UNION PACIFIC RAILROAD YARD	Man-made	Private	Union Pacific RR	"	MWRD	09/13/13	04/16/14	10	no	Semi-annual	Yes	Yes	Yes	
123	CH82	Channel segment	"	UNION PACIFIC RAILROAD YARD	Man-made	Private	Union Pacific RR	"	MWRD	09/13/13	04/16/14	10	no	Semi-annual	Yes	Yes	Yes	
124	HW15	Confluence	"	UNION PACIFIC RAILROAD YARD	Man-made	Private	Union Pacific RR	"	MWRD	09/13/13	04/16/14	10	no	Semi-annual	Yes	Yes	Yes	

CHANNELS AND STRUCTURES INVENTORY

29-Nov-13

**Total
inspections
past due:**

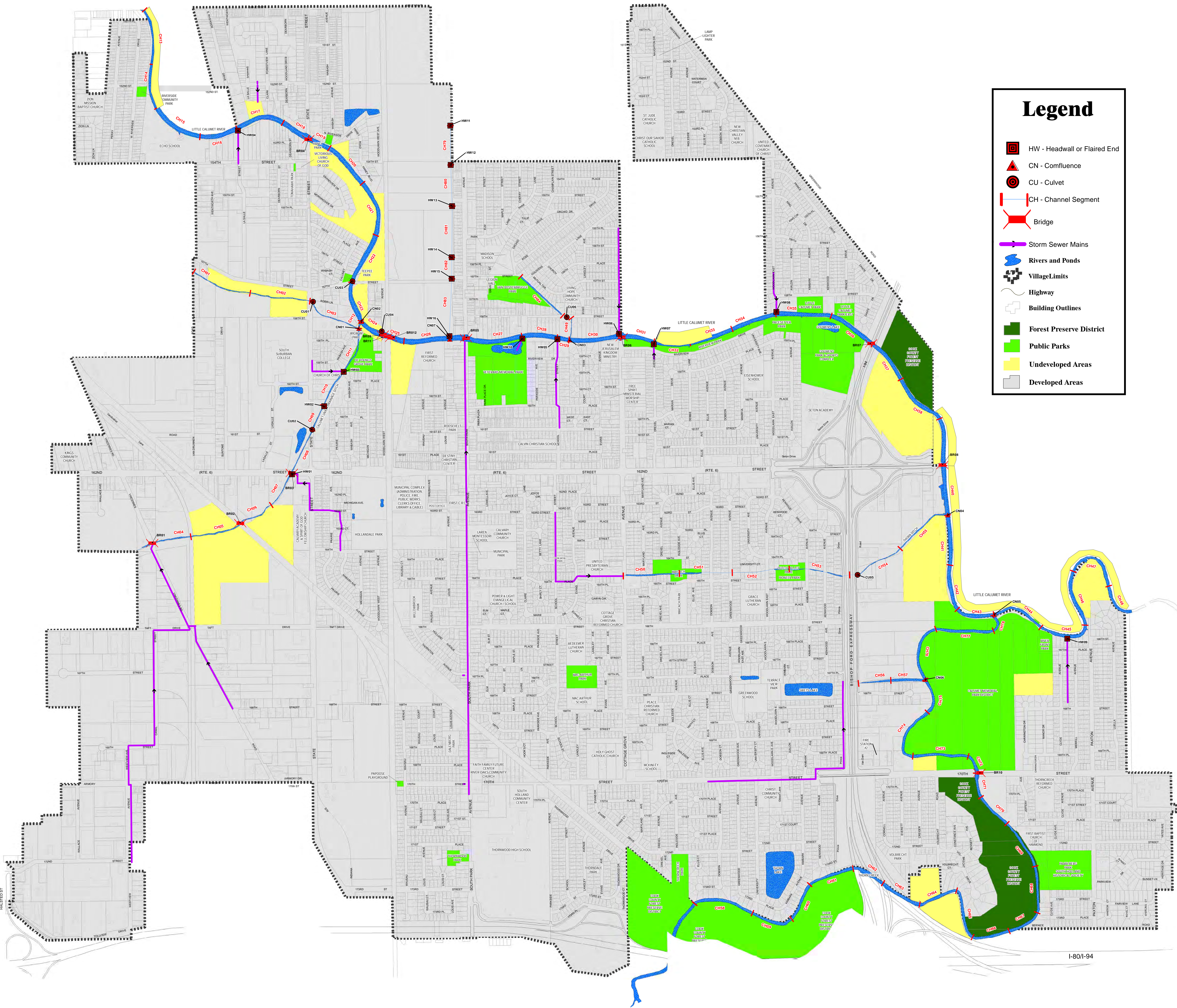
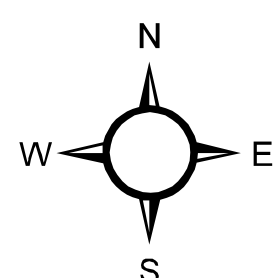
542.b

CRS ACTIVITY 542.a

[illegible]

VILLAGE OF SOUTH HOLLAND

Channels and Ditches



Legend

HW - Headwall or Flaired End

CN - Confluence

CU - Culvert

CH - Channel Segment

Bridge

Storm Sewer Mains

Rivers and Ponds

Village Limits

Highway

Building Outlines

Forest Preserve District

Public Parks

Undeveloped Areas

Developed Areas

I-801-94

Map Date October 2013



MGS1_LAND SH VIEW/Coverd Board Map with Census.MXD