



Patricia K Barker, PE, CFM
Direct Line: (708) 210-5697
Email: pbarker@reltd.com

May 20, 2015

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 2014-2015
- 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.

Sincerely,

ROBINSON ENGINEERING, LTD.

A handwritten signature in black ink, appearing to read "P. K. Barker", with a long horizontal flourish extending to the right.

Patricia K Barker, PE, CFM
Village Engineer

JJD/pkb

R:\2005\05-770\05-770.SH\Annual Reports 14-18\2015\Village of South Holland - 2015 MS4 Annual Report\1_IEPA Submittal Letter - 2015 doc

Encl.

xc: George Gunkel, Director of Public Works – Village of South Holland w/ Encl.
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, 2014 To March, 2015

Permit No. ILR40 0451

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

Name: Village of South Holland Mailing Address 1: 16226 Wassau 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:

5-18-15
Date:

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
MCM1. Public Education and Outreach on Stormwater Impacts							
A1	Literature Distribution (brochure & newsletter)	X	X	X	A		
A3	Public Service Announcements (Cable TV)	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		
MCM2. Public Involvement/ Participation							
B4	Public Hearing	X	X	D	A		
B7	Annual Cleanup Event	X	X	X	A		
MCM3. Illicit Discharge Detection and Elimination							
C1	Storm Sewer Map Assessment	X		X	A		
	Storm Sewer Map Preparation	X		X	A		
	Field Identification of Outfalls	X			A		
	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		
MCM4. Construct Site Storm Water Runoff Control							
D1	Regulatory Control Program	X			X		
	- Review of Current Ordinances	X			X		
	- Draft of Proposed Ordinance	X			X		
	- Board Review of Proposed Ordinance	X			X		
	- Public Hearing on Proposed Ordinance	X			X		
	- Adopt Ordinance	X			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		
MCM5. Post-Construct Storm Water Management							
E2	Regulatory Control Program	X			X		
	- Review of Current Ordinances	X			X		
	- Draft of Proposed Ordinance	X			X		
	- Board Review of Proposed Ordinance	X			X		
	- Public Hearing on Proposed Ordinance	X			X		
	- Adopt Ordinance	X			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		
MCM6. 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 2014 to March 2015

March 31, 2015

Content:	Page Number:
Attachment Title Page	1
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 storm water 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, 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 2014 to March 2015
March 31, 2015

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 7 publications throughout this year. Samples are enclosed, highlighting cleanup days, yard waste, chipping services, and flood proofing. The brochure that were available for distribution at Village Hall, Public Works, and Code Enforcement in 2014-2015 are attached.

A4: Take a Bite out of Grime Annual Event

The Village held its Take a Bite Out of Grime/Electronics Recycling event on May 10, 2014. 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 2014 and is used to post information throughout the reporting cycle (samples enclosed). There are currently two videos on the website regarding flood safety and how to prevent flood damage (info attached).

Public Participation and Involvement

B4: Public Hearing

The Village held its annual informational Public Hearing on April 6, 2015. The notice of public hearing and the meeting minutes are enclosed.

B7: Other Public Involvement (Annual Cleanup Event)

The Village held its Take a Bite Out of Grime/Electronics Recycling event on May 10, 2014. 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. The Village completed an inventory list and map of all channels and structures with inspection schedules in 2014

C2: Regulatory Control Program (Ordinance)

The Village enforces its ordinance for Illicit Discharge Detection and Elimination, and also relies on the Watershed Management Ordinance that was adopted from the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) for enforcement on May 19, 2014.

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)

The Watershed Management Ordinance was adopted from the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) for enforcement on May 19, 2014. 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

Storm water 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 storm water 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 storm water 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.

Prescribed by State Board of Accounts

General Form No. 99P (Rev. 2009A)

HERE

Village of South Holland

(Governmental Unit)

To: The Times Media Company

601-45th Avenue, Munster, IN 46321

NOTICE OF PUBLIC HEARING

In accordance with General Permit ILR40 issued by the Illinois Environmental Protection Agency under the National Pollutant Discharge Elimination System (NPDES) Permit Program the Village of South Holland will hold a public hearing to allow public involvement/participation in, and/or public comment on, the Village's NPDES program. The hearing will be held on April 6, 2015 at 8:00 pm in the meeting room at the Village Hall, 16226 Wausau Avenue, South Holland, Illinois. Interested parties may be heard at that time.

Dated at South Holland, Illinois this 16th day of March, 2015.
NAME: Patricia K Barker
TITLE: Village Engineer
VILLAGE: South Holland
Contact Number:
Robinson Engineering,
708-331-8700
3/20 - 20689345

PUBLISHER'S CLAIM

Must not exceed two actual lines, neither of which shall than four solid lines of the type in which the body of the ent is set) -- number of equivalent lines

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CHARGES
... columns wide equals 25 equivalent lines at 1.67

cents per line \$ 41.75
Additional charges for notices containing rule or tabular work (50 per cent of above amount)
Charge for extra proofs of publication (\$1.00 for each proof in excess of two) Online Charge \$10.00
TOTAL AMOUNT OF CLAIM \$ 51.75

DATA FOR COMPUTING COST

Width of single column in picas 9p4 Size of type 7.0 point. 20089345
Number of insertions.....1.....

Pursuant to the provisions and penalties of IC 5-11-10-1, I hereby certify that the foregoing account is just and correct, that the amount claimed is legally due, after allowing all just credits, and that no part of the same has been paid.

I also certify that the printed matter attached hereto is a true copy, of the same column width and type size, which was duly published in said paper times. The dates of publication being as follows:
March 20, 2015

Additionally, the statement checked below is true and correct:

- Newspaper does not have a Web site.
- ..X.. Newspaper has a Web site and this public notice was posted on the same day as it was published in the newspaper.
- Newspaper has a Web site, but due to technical problem or error, public notice was posted on
- Newspaper has a Web site but refuses to post the public notice.

Date 3/20/2015

Title: Legal Clerk

MINUTES OF THE MEETING OF THE PRESIDENT AND BOARD OF TRUSTEES
OF THE VILLAGE OF SOUTH HOLLAND, ILLINOIS, COUNTY OF COOK
HELD ON April 6, 2015 8:00 PM

Administrative Staff Present: Mr. Greg Baker, Police Chief; Mr. Brian Kolosh, Fire Chief; Mr. George Gunkel, Director Public Works; Mr. Ed Stewart, Director Recreational Services; Mr. Frank Knittle, Director Community Development; Mr. Tim Lapp, Village Attorney; Mrs. Pat Barker, Village Engineer; Mr. Jason Huisman, Village Administrator; Ms. Pat Mahon, Deputy Village Administrator; Ms. Mary Ann Thornton, Director Public Relations and Marketing; Mr. Mike Veronie, Deputy Clerk; Mr. John Watson, Director Economic Development; Mrs. Beth Herman, Village Treasurer

Public Hearing

President De Graff opened the Public Hearing for the National Pollutant Discharge Elimination System (NPDES) Program. Mrs. Barker provided an overview, explaining that the goal of the program is to eliminate pollutants from entering storm sewers/detention ponds and depositing into rivers, lakes and creeks. The ultimate outlet points within the Village are Thorn Creek, the Little Calumet River and the Cal-Union Drainage Ditch. This hearing is required by the IEPA every few years. There were no questions or comments. The Public Hearing was closed.

President De Graff called the meeting to order and Clerk Penman called the roll.

Present: Trustees Larry De Young, Cindy Doorn-Nylen, John Sullivan and Mathew James

Absent with Notice: Trustee Andrew Johnson and N. Keith Chambers

Reverend Ben Tol, from First Christian Reformed Church opened our meeting with prayer. President De Graff thanked Reverend Tol.

Minutes

Trustee Doorn-Nylen moved that the reading of the **Minutes of the March 16, 2015** meeting be dispensed with, copies thereof having been distributed to each trustee, and the Minutes as presented be approved. Trustee Sullivan seconded the motion.

Roll Call: Ayes: Trustees Doorn-Nylen, Sullivan, De Young and James

Nays: None

Motion carried, approved and so ordered by President Don A. De Graff

Resident Comments

Jackie Franklin expressed concern that a PACE bus stop sign, on South Park had fallen. Ms. Mahon will place the call to PACE.

Engineer's Report

Mrs. Barker had no report this evening.

Attorney's Report

Mr. Lapp had seven items this evening. The first was an **Ordinance Authorizing Series 2015A and 2015B Refunding Issue**. Trustee Sullivan moved to adopt the **Ordinance** as presented. Trustee De Young seconded the motion.

Roll Call: Ayes: Trustees Sullivan, De Young, Doorn-Nylen, James and President De Graff

Nays: None

Motion carried, approved and so ordered by President Don A. De Graff

Mr. Kevin McCanna, President of Speer Financial was in attendance and he provided details of both bond sales.

The second item was **Ordinance 2015 – 14, Authorizing the Sale of Personal Property**. Trustee Sullivan moved to adopt the **Ordinance** as presented. Trustee De Young seconded the motion.

Roll Call: Ayes: Trustees Sullivan, De Young, Doorn-Nylen and James

Nays: None

Motion carried, approved and so ordered by President Don A. De Graff

The third item was **Ordinance 2015 – 16, Authorizing the Sale of Personal Property**. Trustee Sullivan moved to adopt the **Ordinance** as presented. Trustee James seconded the motion.

Roll Call: Ayes: Trustees Sullivan, James, De Young and Doorn-Nylen

Nays: None

Motion carried, approved and so ordered by President Don A. De Graff

The fourth item was **Ordinance 2015 – 11, Prohibiting the Possession of Alcoholic Liquor for the Purpose Commonly Known as “Bring Your Own Bottle” or BYOB.** Trustee Sullivan moved to adopt the **Ordinance** as presented. Trustee De Young seconded the motion.

Roll Call: Ayes: Trustees Sullivan, De Young, Doorn-Nylen and James

Nays: None

Motion carried, approved and so ordered by President Don A. De Graff

The fifth item was a **Resolution Authorizing the Village to Enter into a Municipal Contract with Allied Waste Transportation, Inc. for the Curbside Pick-up and Disposal of Residential Waste, Yard Waste and Recycling Material in the Village of South Holland.** Trustee De Young moved to adopt the **Resolution** as presented. Trustee James seconded the motion.

Roll Call: Ayes: Trustees De Young, James, Doorn-Nylen and Sullivan

Nays: None

Motion carried, approved and so ordered by President Don A. De Graff

The sixth item was **Ordinance #2015 – 15, Amending the Municipal Code of the Village of South Holland, Chapter 16 Entitled “Solid Waste”.** Trustee James moved to adopt the **Ordinance** as presented. Trustee Sullivan seconded the motion.

Roll Call: Ayes: Trustees James, Sullivan, De Young and Doorn-Nylen

Nays: None

Motion carried, approved and so ordered by President Don A. De Graff

Mr. Hank Potts of Allied Waste, who was in attendance, provided additional details regarding the recycling program.

The seventh item was a **Resolution to Accept Planning Assistance Services from CMAP.** Trustee De Young moved to adopt the **Resolution** as presented. Trustee Sullivan seconded the motion.

Roll Call: Ayes: Trustees De Young, Sullivan, Doorn-Nylen and James

Nays: None

Motion carried, approved and so ordered by President Don A. De Graff

Director Watson shared that the Village was awarded a grant through CMAP Local Technical Assistance Program, and as part of the grant, CMAP will work with the Village to provide a comprehensive plan for South Holland.

Community Development

Trustee De Young moved for approval of **Building Permits, Nos. 15-0129 – 15-0194** as presented. This represents a total of \$394,000 in community investment. Trustee Sullivan seconded the motion. Among these permits, Trustee De Young highlighted the following: \$14,000 – tank removal for Loves Travel Center; \$20,000 – interior remodeling for C.R. England.

Roll Call: Ayes: Trustees De Young, Sullivan, Doorn-Nylen and James

Nays: None

Motion carried, approved and so ordered by President Don A. De Graff

Trustee De Young added that there were also a number of permits for upgrades to residential homes.

Parks and Recreation

In Trustee Johnson’s absence, Trustee Doorn-Nylen reported that the “Do You Believe in Magic” Fashion Show will take place on Saturday April 11; the doors will open at 6pm. Come experience the latest in Spring Fashion, Hair, Make Up and Jewelry. V.I.P seating is available. Hors d’oeuvre’s will be served.

Sign up is now available for our spring softball leagues. All leagues will consist of eight teams playing a double header round robin schedule. All games will be played at our Gouwens Park Sports Complex. Games are scheduled to begin on Tuesday April 21.

This year's Memorial Day parade will take place on Monday May 25, at 11am. We are encouraging all schools, churches, businesses and civic groups to participate. You must register your group to be entered into the parade. For more information please call the Recreation office at 708-331-2940.

Registration is available for our 2015 Summer Day Camp. Spaces are limited. Sign up at the Community Center or online at www.southholland.org. Camp begins Monday June 8th.

Community Coordination

Trustee Doorn-Nylen had no report this evening.

Finance

Trustee Sullivan moved for **Approval of payments of vouchers as listed on Register No. 852 for \$1,298,897.27** covering day-to-day operations, vendor payments and salaries. Trustee De Young seconded the motion.

Roll Call: Ayes: Trustees Sullivan, De Young, Doorn-Nylen and James

Nays: None

Motion carried, approved and so ordered by President Don A. De Graff

Trustee Sullivan moved for **Approval of payments of vouchers as listed on Register No. 853 for \$268,674.66** covering day-to-day operations, vendor payments and salaries. Trustee De Young seconded the motion.

Roll Call: Ayes: Trustees Sullivan, De Young, Doorn-Nylen and James

Nays: None

Motion carried, approved and so ordered by President Don A. De Graff

Public Safety

No report was given in Trustee Chambers' absence.

Public Works

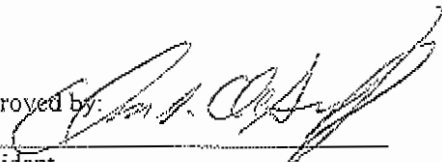
Trustee James shared that as we move into Spring, Public Works has been busy removing the snow shovels from the trucks as well as getting the parks ready for the baseball season.

President De Graff asked if there were any additional business.

There being no additional business to come before the President and Board of Trustees, Trustee De Young moved that this meeting adjourn. Trustee James seconded the motion. Ayes all on the roll. Meeting adjourned. Next regular meeting of the President and the Board of Trustees will be held on Monday, April 20, 2015, at 8:00 PM, in the Council Room of the Municipal Building, County of Cook, South Holland, Illinois.

Approved by:

President



Sallie D. Penman
Sallie D. Penman, Clerk

CLERK PRO TEM



VILLAGE BOARD MEETING

April 6, 2015

Please print clearly

NAME	ADDRESS
KEVIN MC CAINE	SPEER FINANCIAL
HANK POTTS	REPUBLIC SERVICES
CYNTHIA SHANE	602 E. 155 TH ST
EUGENE GRABOGEY	15031 DAINIKER RD
GERARD JEN	FIRST SPA. REF. CHURCH
Cecelene Froun	2605 E 173 RD ST

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)? (Choke point, Erosion, Dumping, etc.)	CRS CREDIT			
														INSPECTION FREQUENCY Normal inspection frequency= Semi-annual	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	3 Days or 10 Days	PSM Credit Max--v 50 Earned (Yes/No)? Yes 50			Count of CSR Credit Items (CDR) = 116 Components: 126 Credit %: 92% 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	CHOKER	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	CHOKER	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	CHOKER	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	CHOKER	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) COMPONENT COUNT	(B) FACILITY CODE	(C) FACILITY TYPE	(D) DESCRIPTION	(E) ADDRESS	(F) NATURAL OR MAN-MADE	(G) PUBLIC OR PRIVATE	(H) FACILITY OWNER	(I) ACCESSIBLE TO VILLAGE PERSONNEL?	(J) RESPONSIBLE PARTY	(K) LAST INSPECTION DATE	(L) NEXT INSPECTION DATE	(M) REQUIRED RESPONSE TIME	(N) PROBLEM SITE (PSM)? (Choke point, Erosion, Dumping, etc.)	(O) CRS CREDIT			(R) CRS CREDIT?
														(O) INSPECTION FREQUENCY Normal inspection frequency= Semi-annual	(P) Channel Debris Removal (CDR) Credit		
															(P) PART OF A CDR MAINT. PROGRAM? (Yes/No)	(Q) POTENTIAL IMPACT ON DEVELOPED AREAS? (Yes/No)	
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	3 Days or 10 Days	PSM Credit Max-v 50 Earned (Yes/No)? Yes 50	Components: 126 Credit %: 92% Max.Pts: 200 Credit Earned: 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	I CR CHURCH	I 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		I 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	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	Natural	Public	SOUTH HOLLAND	"	MWRD	09/13/13	4/14/2014	10	no	Semi-annual	Yes	Yes	Yes
48	CH28	Channel segment		VETERANS PARK	Natural	Public	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	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	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	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 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

VILLAGE OF SOUTH HOLLAND
CHANNELS AND STRUCTURES
INVENTORY

DATE OF REPORT : 29-Nov-13

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542.b

CRS ACTIVITY 542.a

(A) COMPONENT COUNT	(B) FACILITY CODE	(C) FACILITY TYPE	(D) DESCRIPTION	(E) ADDRESS	(F) NATURAL OR MAN-MADE	(G) PUBLIC OR PRIVATE	(H) FACILITY OWNER	(I) ACCESSIBLE TO VILLAGE PERSONNEL?	(J) RESPONSIBLE PARTY	(K) LAST INSPECTION DATE	(L) NEXT INSPECTION DATE	(M) REQUIRED RESPONSE TIME	(N) PROBLEM SITE (PSM)? (Choke point, Erosion, Dumping, etc.)	(O) CRS CREDIT			(R) CRS CREDIT?
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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	Confluence	"	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

VILLAGE OF SOUTH HOLLAND

CHANNELS AND STRUCTURES INVENTORY

DATE OF REPORT :

29-Nov-13

Total inspections past due:

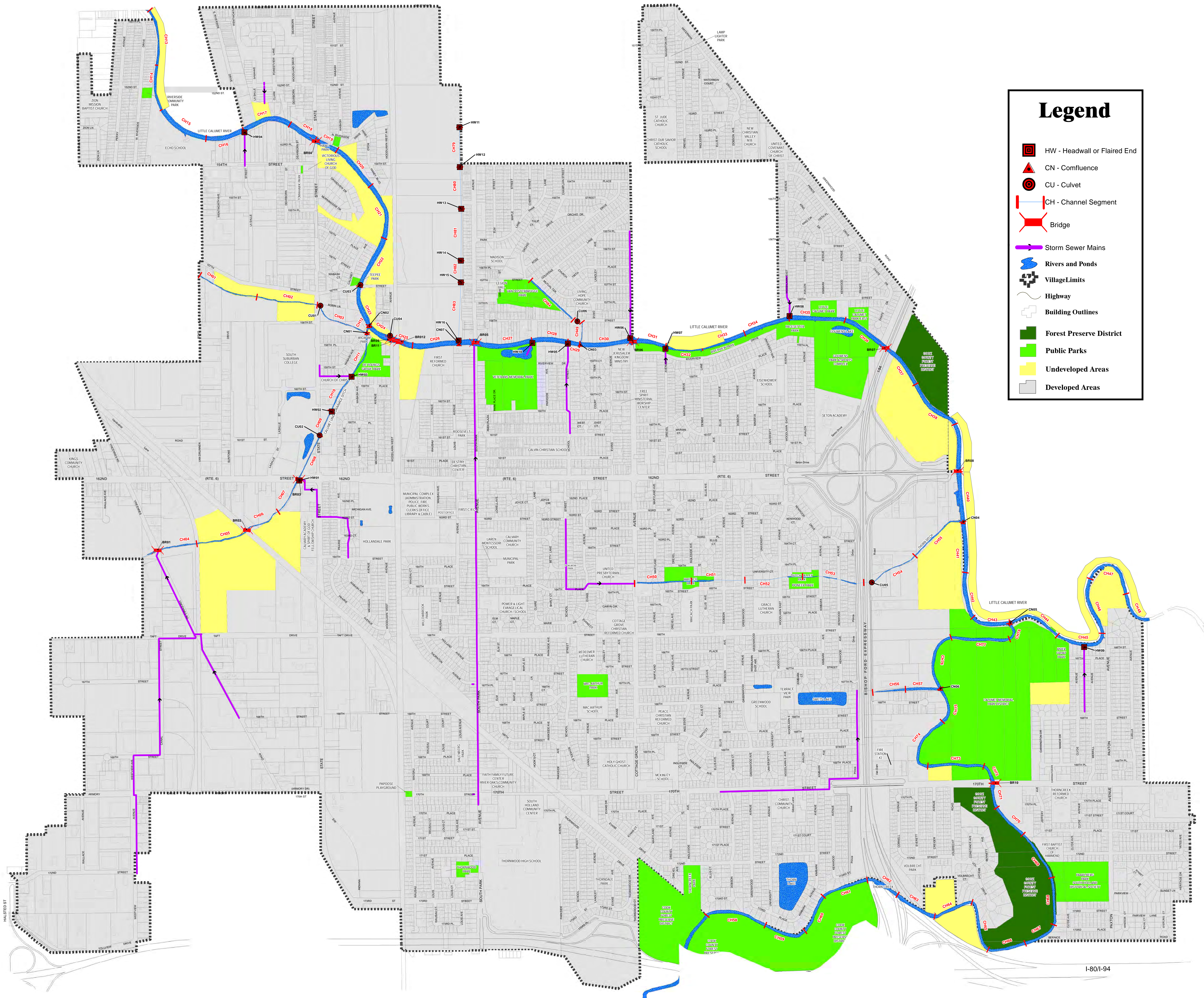
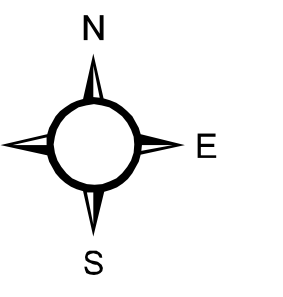
542.b

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)?	INSPECTION FREQUENCY	CRS CREDIT			
														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	2 DAYS OR 10 Days	(Choke point, Erosion, Dumping, etc.)	PSM Credit Max--v 50 Earned (Yes/No)? Yes				Count of CSR Credit Items (CDR) = 116
125	CH83	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	Yes
126	HW16	Confluence	"		Man-made	Private	Union Pacific RR	"	MWRD	09/13/13	04/16/14	10	no	Semi-annual	Yes	Yes		Yes
													no	Semi-annual				
													no	Semi-annual				
													no	Semi-annual				
													no	Semi-annual				
													no	Semi-annual				
													no	Semi-annual				
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													no	Semi-annual				
													no	Semi-annual				
													no	Semi-annual				

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

1-801-94

Map Date October 2013



M051_LANDSHAVIEW-Overall Hazard Map with Contour.MXD

WHEREAS, said Cook County Watershed Management Ordinance may have portions that overlap or conflict with portions of existing Village of South Holland Ordinances.

NOW, THEREFORE, BE IT ORDAINED by the President and Board of Trustees of the Village of South Holland, Cook County, Illinois, as follows:

SECTION ONE: That the President and Board of Trustees shall adopt said Cook County Watershed Management Ordinance which is attached hereto as Exhibit "A" and all further amendments to said Ordinance.

SECTION TWO: That to the extent that any sections of the Cook County Watershed Management Ordinance are in conflict with any portions of existing Village of South Holland Ordinances, the more stringent requirements shall govern.


SECTION THREE: That this Ordinance shall be in full force and effect from and after its passage and approval by law.

SECTION FOUR: That this Ordinance is authorized to be published in pamphlet form.

Adopted by the President and Board of Trustees of the Village of South Holland, Cook County, Illinois, at meeting legally assembled on the 19 day of MAY, 2014, on motion of Trustee SULLIVAN, seconded by Trustee JAMES, carried on the aye votes of Trustees DE YOUNG, JOHNSON, DOERN, SULLIVAN, CHAMBERS and JAMES.

Voting nay

Absent


Village Clerk

Approved:


Village President

Passed:

Approved:

Published in pamphlet form:

New South Holland Police Station gets helping hand from community groups!

The village extends a big “Thank You” to the **South Holland Lions Club**, **Citizen Police Academy alumni** and the participants in the **Cook County Sheriff’s Work Alternative Program** who helped with demolition work at the new police station.



Citizens Police Academy alumni assist in the demolition at the new police station.



South Holland Lions member Roger Bonnema helped with removal of old work stations.

Help us

TAKE A BITE OUT OF GRIME



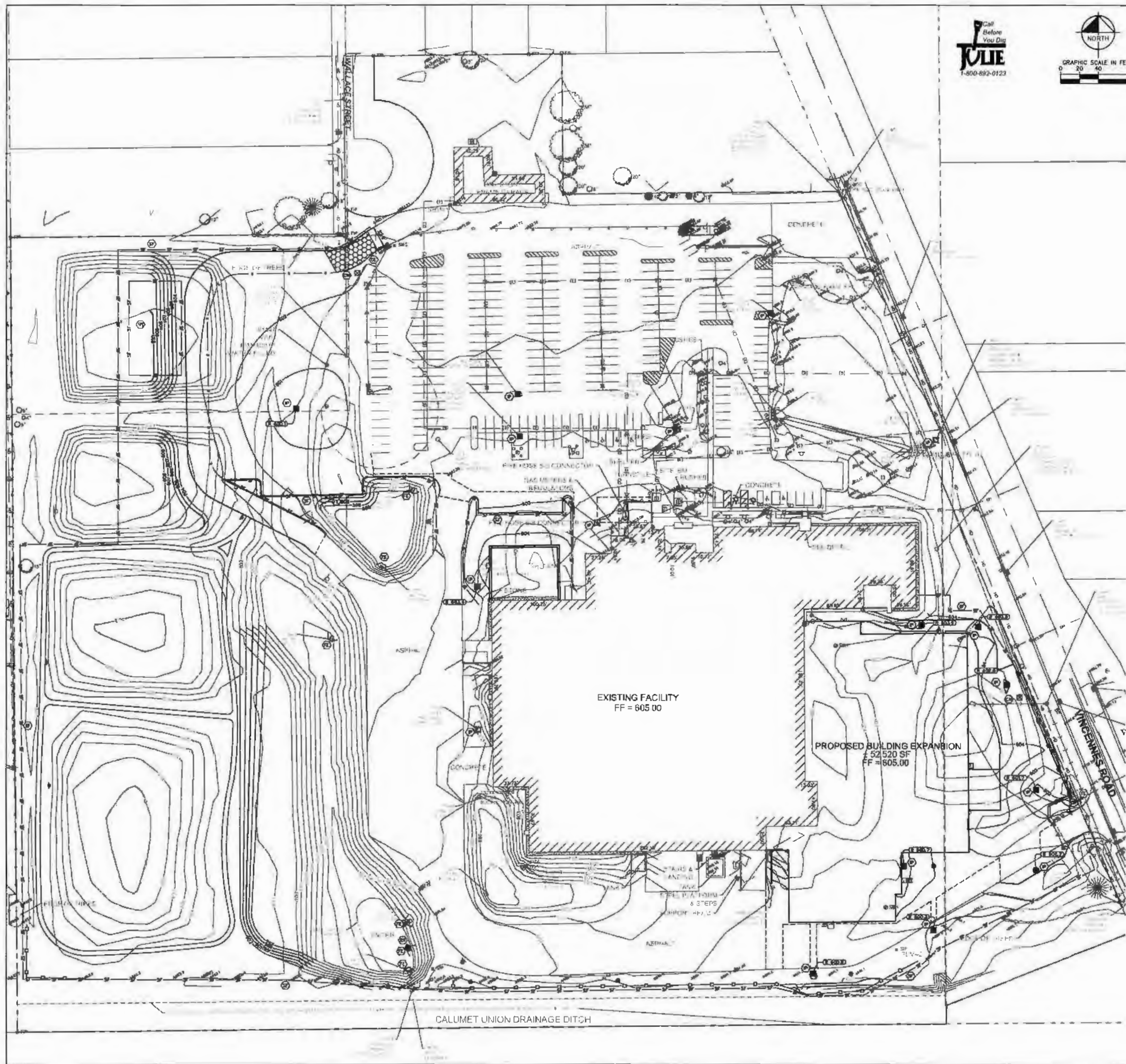
Residents assist with trash pick up at Gouwens Park during 2013's Take a Bite Out of Grime event.

The 19th annual **Take a Bite Out of Grime** will start at 8:30 a.m., **Saturday, May 10**, at the **South Holland Community Center, 501 E. 170th St.**

Join the mayor, clerk and trustees as they form teams to clean up designated sites along major roadways and riverbanks.

There will be a tree planting in honor of **Arbor Day** before the cleanup begins. Afterwards, there will be lunch at 11:30 a.m.

To volunteer, call the **Community Center** at **708-331-2940**, or sign up at the village's website at **www.southholland.org**.



- ### EROSION CONTROL NOTES
- SITE GENERAL NOTES**
- CONSTRUCTION ENTRANCE SHALL BE LOCATED SO AS TO PROVIDE THE LEAST AMOUNT OF DISURBANCE TO THE FLOW OF TRAFFIC IN AND OUT OF THE SITE. ADDITIONALLY, CONSTRUCTION ENTRANCE SHALL BE LOCATED TO CONFORM WITH THE PHASING OF THE PAVEMENT REPLACEMENT.
 - POST CONSTRUCTION STORM WATER POLLUTION CONTROL MEASURES INCLUDE STABILIZATION BY PERMANENT PAVING, DRAINAGE SYSTEM STRUCTURE, OR LANDSCAPING.
 - TEMPORARY AND PERMANENT STABILIZATION PRACTICES AND BMP'S SHALL BE INSTALLED AT THE EARLIEST POSSIBLE TIME DURING THE CONSTRUCTION PERIODS. AS AN EXAMPLE, PERMITTED SILT FENCE SHALL BE INSTALLED BEFORE COMMENCEMENT OF ANY GRADING ACTIVITIES. OTHER BMP'S SHALL BE INSTALLED AS SOON AS PRACTICABLE AND SHALL BE MAINTAINED UNTIL FINAL SITE STABILIZATION IS ACHIEVED. CONTRACTOR SHALL ALSO PROVIDE CURB AND LANDSCAPE PLANS SINCE PERMANENT STABILIZATION IS PROVIDED BY LANDSCAPING, THE BUILDING(S), AND SITE PAVING.
 - BMP'S HAVE BEEN LOCATED AS INDICATED ON THIS PLAN IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES IN ORDER TO MINIMIZE SEDIMENT TRANSFER FOR EXAMPLE, SILT FENCES LOCATED AT TOP OF SLOPE AND INLET PROTECTION FOR INLETS RECEIVING SEDIMENT FROM SILE TURN-OFF.
 - CONTRACTOR TO PROVIDE WEALGE WITH CORNER OF THE IMPROV DOCUMENTATION ON A MONTHLY BASIS.
- TEMPORARY EROSION CONTROL NOTES**
- THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.
 - ANY MAJOR VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCES FROM THOSE SHOWN ON THE APPROVED PLAN OR ANY OTHER EROSION AND SEDIMENTATION CONTROL MEASURES MUST BE APPROVED BY THE REVIEWING ENGINEER, ENVIRONMENTAL SPECIALIST OR AGENCIES AS APPROPRIATE. VARIATIONS MUST BE APPROVED BY THE PLANNING AND DEVELOPMENT DEPARTMENT AND THE DRINKING WATER DEPARTMENT. ANY CHANGES TO EROSION CONTROL MEASURES TO BE MADE AS FIELD REVISIONS TO THE EROSION AND SEDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE ENVIRONMENTAL PROTECTION AGENCY AND/OR LOCAL AGENCIES TO CORRECT CONTROL INADEQUACIES AT NO ADDITIONAL COST TO THE OWNER.
 - CONTRACTOR SHALL PLACE EROSION CONTROL BLANKET NORTH AMERICAN SPEC 5-1308 OR APPROVED EQUAL ON ALL SITE AREAS WITH SLOPES GREATER THAN 4:1, AND ON THE BOTTOM AND SIDE SLOPES OF ALL DRAINS.
 - PRIOR TO FINAL ACCEPTANCE, PAVED ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED, ACCUMULATED SEDIMENT REMOVED FROM THE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVEGETATED. ALL LAKE CLEANING SHALL BE DEPOSITED AT AN APPROVED SOIL DISPOSAL SITE.
 - PERMANENT FINAL POINT CONTROL OR STRUCTURES SHALL BE INSTALLED PRIOR TO FINAL ACCEPTANCE.
 - ALL CONTROL DEVICES THAT FUNCTION SIMILARLY TO SILT FENCE OR FIBER BOLLIS MUST BE REPAIRED, REPLACED OR SUPPLEMENTED WITH EFFECTIVE CONTROLS WITHIN 24 HOURS OF FAILURE. IF THE CONTROL DEVICES ONE-THIRD THE HEIGHT OF THE DEVICE, THESE REPAIRS MUST BE MADE WITHIN 24 HOURS OF THE FAILURE EVENT OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
 - ALL SEDIMENT DEBRIS AND DEPOSITS MUST BE REMOVED FROM SURFACE. WATERS, DRAINAGE DITCHES, CATCH BASINS AND OTHER DRAINAGE SYSTEMS. ALL ACCESS BARRIERS, SEDIMENT BARRIERS, ISOLATED BY EXPOSED SOIL, MUST BE REESTABLISHED. THE REPAIR AND STABILIZATION MUST TAKE PLACE IMMEDIATELY. REPAIRS MUST BE MADE WITHIN 7 DAYS AFTER FAILURE. ACCESS RESTRICTIONS BY LEGAL, REGULATORY OR PHYSICAL ACCESS CONSTRAINTS. ALL REPAIRS MUST BE MADE WITHIN 7 DAYS AFTER FAILURE. ACCESS RESTRICTIONS BY LEGAL, REGULATORY OR PHYSICAL ACCESS CONSTRAINTS. ALL REPAIRS MUST BE MADE WITHIN 7 DAYS AFTER FAILURE. ACCESS RESTRICTIONS BY LEGAL, REGULATORY OR PHYSICAL ACCESS CONSTRAINTS.
 - ACCUMULATIONS OF TRACKED AND DEPOSITED SEDIMENT MUST BE REMOVED FROM OFF-SITE PAVED AREAS WITHIN 24 HOURS OF SCOUR OR REQUIRED SEDIMENT TENDING MUST BE INITIATED BY THE APPROPRIATE MANAGEMENT PERSONNEL. USE OF OFF-SITE PAVED AREAS WITHIN 24 HOURS OF SCOUR OR REQUIRED SEDIMENT TENDING MUST BE INITIATED BY THE APPROPRIATE MANAGEMENT PERSONNEL. USE OF OFF-SITE PAVED AREAS WITHIN 24 HOURS OF SCOUR OR REQUIRED SEDIMENT TENDING MUST BE INITIATED BY THE APPROPRIATE MANAGEMENT PERSONNEL.
 - SURFACE WATER DRAINAGE DITCHES AND CONVEYANCE SYSTEMS MUST BE INSPECTED FOR SEDIMENT DEPOSITS.
 - THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS INDICATED ON THIS SHEET IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN DEVELOPED BY KIMLEY-HORN AND ASSOCIATES, INC. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE PROVISIONS INDICATED IN THE SHEET INCLUDING EROSION CONTROL MEASURES AND INSPECTION PROCEDURES, AS REQUIRED BY THE IEDPA NPDES PHASE II PERMIT PROGRAM REQUIREMENTS.
 - PUMPING SEDIMENT LADEN WATER INTO ANY STORMWATER FACILITY THAT IS NOT DESIGNED TO BE A SEDIMENT TRAP, DRAINAGE OR OFFSITE AREA OTHER DIRECTLY OR INDIRECTLY WITHOUT FILTRATION IS PROHIBITED.
 - SOIL STOCKPILES SHALL NOT BE LOCATED IN A DRAINAGEWAY, FLOOD PLAIN AREA OR A DESIGNATED DRAINAGE AREA UNLESS OTHERWISE APPROVED UNDER SPECIFIC CONDITIONS TO BE ESTABLISHED BY THE DIRECTOR OF ADMINISTRATION.
 - STOCKPILES TO REMAIN IN PLACE FOR MORE THAN THREE DAYS SHALL BE PROTECTED WITH EROSION MEASURES. MATINGS TO BE USED SHALL BE INSTALLED IMMEDIATELY AND LEGALLY IF NO STOCKPILE IS TO REMAIN IN PLACE.
 - ALL TEMPORARY EROSION MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED. TEMPORARY SEDIMENT AND OTHER DISTURBED SOILS RESULTING FROM TEMPORARY MEASURES SHALL BE PROPERLY DISPOSED OF PRIOR TO PERMANENT STABILIZATION.
 - WATER REMOVED FROM TRAPS, BASINS, AND OTHER WATER HOLDING DEVICES OR CATCH BASINS MUST FIRST PASS THROUGH A SEDIMENT CONTROL AND/OR FILTRATION DEVICE. WHEN DRAINAGE DEVICES ARE USED, DRAINAGE LOCATIONS SHALL BE PROTECTED FROM EROSION.
 - THE INLET PROTECTION SHALL REMAIN IN PLACE, INSPECTED AND MAINTAINED BY CONTRACTOR FOR THE DURATION OF THE IMPROVEMENT.

EROSION CONTROL LEGEND

[Symbol]	TEMPORARY EROSION CONTROL BLANKET (SEE TEMPORARY EROSION CONTROL NOTE 4)
[Symbol]	CONSTRUCTION ENTRANCE (SEE EROSION CONTROL DETAILS)
[Symbol]	SILT FENCE (SEE EROSION CONTROL DETAILS)
[Symbol]	PAVED AREA INLET PROTECTION (SEE EROSION CONTROL DETAILS)
[Symbol]	GREEN SPACE INLET PROTECTION (SEE EROSION CONTROL DETAILS)
[Symbol]	CONCRETE WASHOUT (SEE EROSION CONTROL DETAILS) (TO BE DETERMINED BY CONTRACTOR)
[Symbol]	SWAMP (SEE EROSION CONTROL DETAILS)
[Symbol]	PLANNED EROSION PROTECTION (SEE EROSION CONTROL DETAILS)
[Symbol]	TEMPORARY SOIL STOCKPILE
[Symbol]	EXISTING CONTOURS
[Symbol]	PROPOSED CONTOURS
[Symbol]	LIMITS OF DISTURBANCE
[Symbol]	TREE PROTECTION

EROSION CONTROL SCHEDULE AND SEQUENCING:

1. ROUGH GRADING	CONSTRUCTION ENTRANCE, SILT FENCE PROTECTION, CONCRETE WASHOUT ARCH AND FREE PROTECTION SHALL BE INSTALLED PRIOR TO THE BEGINNING OF ROUGH GRADING. AS NECESSARY, TEMPORARY EROSION CONTROL MEASURES TO BE INSTALLED UPON COMPLETION OF ROUGH GRADING AND AS NECESSARY THROUGHOUT CONSTRUCTION.
2. UTILITY INSTALLATION	ALL PROPOSED EROSION CONTROL MEASURES INSTALLED ABOVE TO BE MAINTAINED AS NECESSARY DURING UTILITY INSTALLATION. STORM STRUCTURE INLET PROTECTION SHALL BE INSTALLED AS STORM DRAINAGE SYSTEM IS CONSTRUCTED.
3. PAVING	ALL PROPOSED EROSION CONTROL MEASURES INSTALLED ABOVE TO BE MAINTAINED AS NECESSARY DURING PAVING AND THROUGHOUT THE REMAINDER OF THE PROJECT.
4. FINAL GRADING/REVEGETATION/LANDSCAPING	ALL TEMPORARY EROSION CONTROL MEASURES TO BE REMOVED AT THE CONCLUSION OF THE PROJECT AS DIRECTED BY THE LOCAL MUNICIPALITY.



PROJECT

ED MINIAT INC
1020 SOUTH WASHINGTON ROAD
SOUTH HAVEN, CT 06488

PHASE II ADDITION

Kimley-Horn

401 N. WILSON ST. AND ASSOCIATES, INC.
1000 WABASHVILLE ROAD, SUITE 300
LAKE, IL 60045
PHONE: 847-487-0880 FAX: 312-726-9948
WWW.KIMLEY-HORN.COM

REVISIONS & DISTURBANCES			
NO.	DATE	DESCRIPTION	BY
1	6/09/2014	ISSUED FOR PERMIT	NEH
2	6/09/2014	ISSUED FOR PERMIT	NEH
3	6/09/2014	ISSUED FOR PERMIT	NEH
4	6/09/2014	ISSUED FOR PERMIT	NEH
5	6/09/2014	ISSUED FOR PERMIT	NEH
6	6/09/2014	ISSUED FOR PERMIT	NEH
7	6/09/2014	ISSUED FOR PERMIT	NEH
8	6/09/2014	ISSUED FOR PERMIT	NEH
9	6/09/2014	ISSUED FOR PERMIT	NEH
10	6/09/2014	ISSUED FOR PERMIT	NEH
11	6/09/2014	ISSUED FOR PERMIT	NEH
12	6/09/2014	ISSUED FOR PERMIT	NEH
13	6/09/2014	ISSUED FOR PERMIT	NEH
14	6/09/2014	ISSUED FOR PERMIT	NEH
15	6/09/2014	ISSUED FOR PERMIT	NEH
16	6/09/2014	ISSUED FOR PERMIT	NEH
17	6/09/2014	ISSUED FOR PERMIT	NEH
18	6/09/2014	ISSUED FOR PERMIT	NEH
19	6/09/2014	ISSUED FOR PERMIT	NEH
20	6/09/2014	ISSUED FOR PERMIT	NEH

DATE: 6/09/2014

DESIGNED BY: LDS
CHECKED BY: NEH

EROSION CONTROL PLAN

JOB NO: 168236000

SHEET NO: C4.0

NOTE: THE EROSION CONTROL METHODS AND SCHEDULES MUST BE STRICTLY FOLLOWED AT ALL TIMES. NO DEVIATION IS TO BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE DESIGN ENGINEER, MUNICIPALITY OR ILLINOIS DNR.

GENERAL NOTES:

1. ALL EROSION CONTROL PRACTICES MUST BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF PRODUCING RAINFALL (1/2" OR MORE) AND AT LEAST ONCE PER WEEK.
2. ALL TEMPORARY TOPSOIL STOCKPILES SHALL NOT BE LOCATED WITHIN 25 FEET OF A DRAINAGE WAY AND SHALL BE PROTECTED WITH SILT FENCING AROUND THE DOWNSLOPE AND SIDESLOPES OF THE PILE, AND IMMEDIATELY STABILIZED WITH TEMPORARY SEEDING.

3. CUT AND FILL SLOPES WILL BE 4:1 OR FLATTER OUTSIDE THE ROAD RIGHT-OF-WAY, UNLESS OTHERWISE NOTED.

4. HYDRO-MULCHING ALL DISTURBED AREAS W/ POLYACRYLAMIDE REQUIRED FOR WINTER STABILIZATION.

DEADLINES FOR SEEDING ARE:
 SEPTEMBER 15 - COOL GRASS SEEDING;
 OCTOBER 15 - TEMPORARY SEEDING;
 NOVEMBER 15 - DORMANT SEEDING.

5. RESTORATION SHALL BE 6" TOPSOIL, REASONABLY FREE OF STONES, STICKS, ROOTS, AND OTHER OBJECTIONABLE MATTER AND DEBRIS. ONLY TOPSOIL HAS BEEN SPREAD, THE AREA SHALL BE SEEDING WITH SEED MIXTURE NO. 10 IN SECTION 630 OF THE "STATE SPECIFICATIONS"

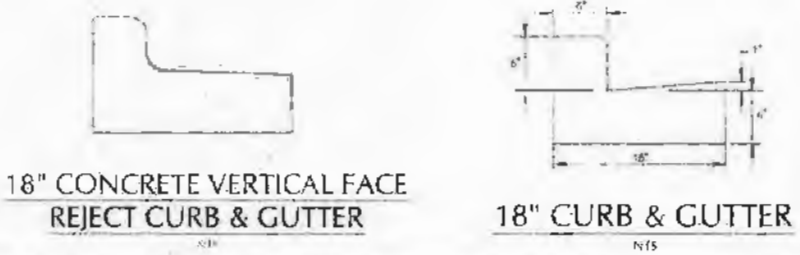
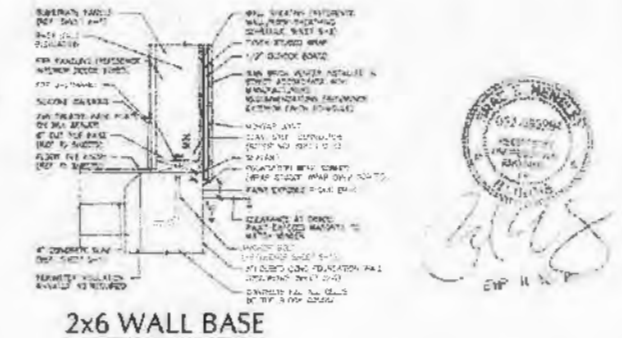
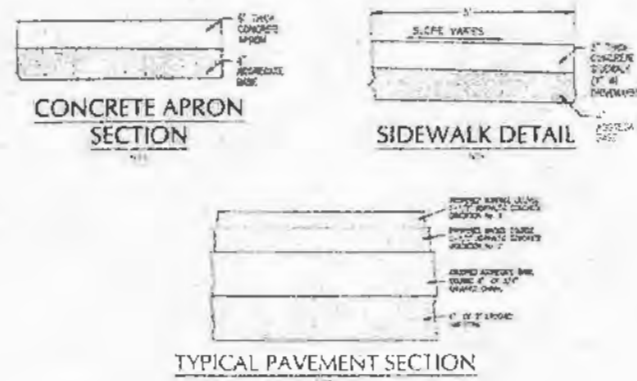
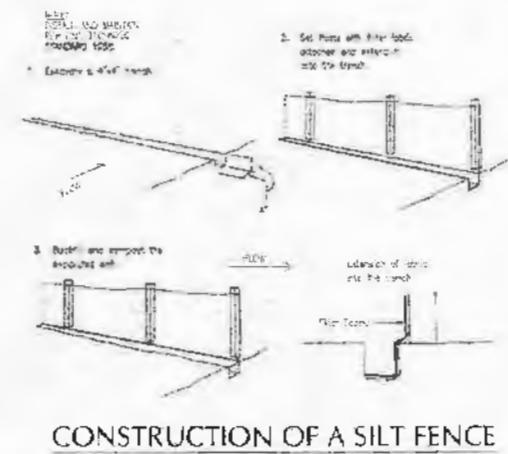
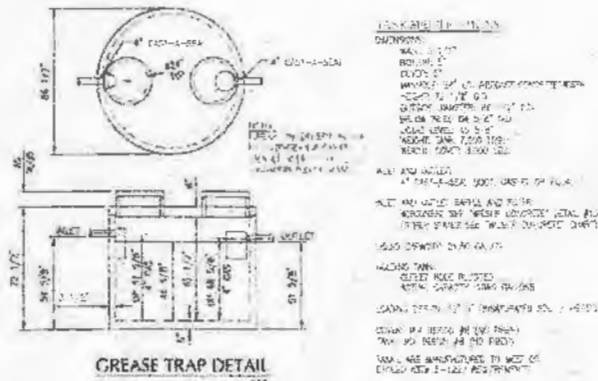
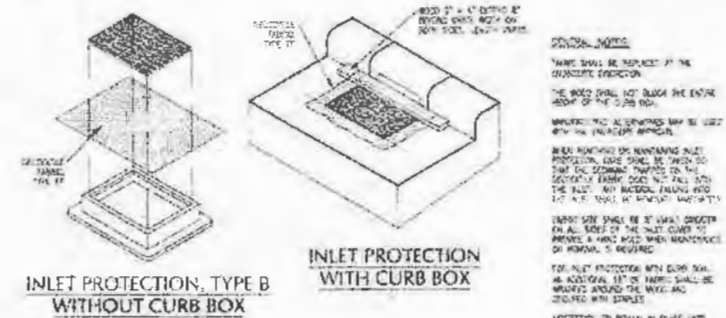
EROSION CONTROL:

1. CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE ILLINOIS STORMWATER CONSTRUCTION AND POST-CONSTRUCTION CONSERVATION PRACTICE STANDARDS.
2. PROVIDE PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED. SEDIMENT CONTROL MEASURES ARE TO BE IN WORKING CONDITION AT THE END OF EACH DAY.
3. INSPECT SEDIMENT CONTROL STRUCTURES FOR INTEGRITY AFTER ANY SIGNIFICANT RAINFALL OF 1/2" OR MORE. CORRECT ANY DAMAGED STRUCTURES IMMEDIATELY.
4. DO NOT REMOVE ANY SEDIMENT CONTROL MEASURES UNTIL THE AREAS SERVED HAVE 80% OR MORE ESTABLISHED VEGETATIVE COVER.
5. ALL TRACKED SOIL ON ADJACENT STREETS FROM THIS PROJECT MUST BE CLEANED ON A DAILY BASIS, MINIMUM. CONTRACTORS ARE REQUIRED TO USE THE TRACKING DRIVE ONLY FOR ACCESS TO THE SITE.
6. PROTECT STORM SEWER COLLECTION INLETS FROM RUN-OFF BY ENCLOSING WITH STRAW BALES OR SILT FENCING AND INLET PROTECTION TYPE B (SEE DETAILS), UNLESS OTHERWISE NOTED.
7. PREVENT OVERLAND FLOW FROM LEAVING ANY PORTION OF THE WORK SITE BY INSTALLING STRAW BALES OR SILT FENCING PARALLEL TO THE SLOPE DOWNHILL FROM THE WORK AREA.
8. SEDIMENT CONTROL FOR UTILITY PIPELINE CONSTRUCTION:
 A. PLACE EXCAVATED TRENCH MATERIAL ON HIGH SIDE OF THE TRENCH.
 B. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE INSTALLATION.

CONSTRUCTION SEQUENCE:

1. INSTALL PERIMETER SILT FENCING.
2. RAZE BUILDINGS, REMOVE EXISTING PAVEMENT, REMOVE OR ABANDON EXISTING UTILITIES AS NOTED ON DEMOLITION PLAN.
3. COMPLETE ROUGH GRADING.
4. INSTALL TEMPORARY SEEDING AND HYDRO MULCH WITH TACKIFIER ON ALL DISTURBED AREAS WITHIN 7 DAYS OF THE END OF DISTURBANCE. NOTE THAT POLYACRYLAMIDE MUST BE USED TO STABILIZE DISTURBED AREAS DURING THE NON-GROWING SEASONS.
5. INSTALL STORM SEWER, CONSTRUCT BUILDING, INSTALL SERVICE LATERALS.
6. COMPLETE UTILITY INSTALLATION, CURB & GUTTER AND ASPHALT PAVING. NOTE THAT STABILIZATION OF THE DISTURBED, MASS GRADED AREAS MUST TAKE PLACE IF THEY ARE NOT BEING GRADED DURING THE UTILITY INSTALLATION.
7. INSTALL FINAL RESTORATION OF ALL DISTURBED AREAS, FOLLOWING UTILITY INSTALLATION.
8. SILT FENCE AND INLET PROTECTION MAY BE REMOVED ONCE AREAS CONTRIBUTING ARE VEGETATED.

EXCEPT THE WHITE CLOVER SHALL BE ELIMINATED AND THE RESPECTIVE PERCENTAGES OF THE OTHER SEED MATERIAL INCREASED IN THE SAME PROPORTION AS THE ORIGINAL MIX. THE CONTRACTOR SHALL APPLY A FERTILIZER (20-0-0) OVER THE SEEDING AREA AT A RATE OF 10 POUNDS PER 1000 SQUARE FEET. THIS AREA SHALL BE MAINTAINED BY THE CONTRACTOR. STRAW MULCH SHALL BE PLACED IN ACCORDANCE WITH METHODS "B" OR "C", AS DESCRIBED IN SECTION 627 OF THE "STATE SPECIFICATIONS", EXCEPT THAT THE MULCH SHALL BE PLACED WITHIN ONE (1) DAY AFTER THE SEEDING HAS BEEN COMPLETED.



**ENGINEERS
 LANDSCAPE ARCHITECTS
 SURVEYORS & PLANNERS**

3811 MAPLE AVENUE
 DELAWARE, WISCONSIN 53528
 734-848-6634
 FAX 734-848-6634
 EMAIL: INFO@YAGGYCOLBY.COM

GREEN TIER

PROPOSED BURGER KING RESTAURANT

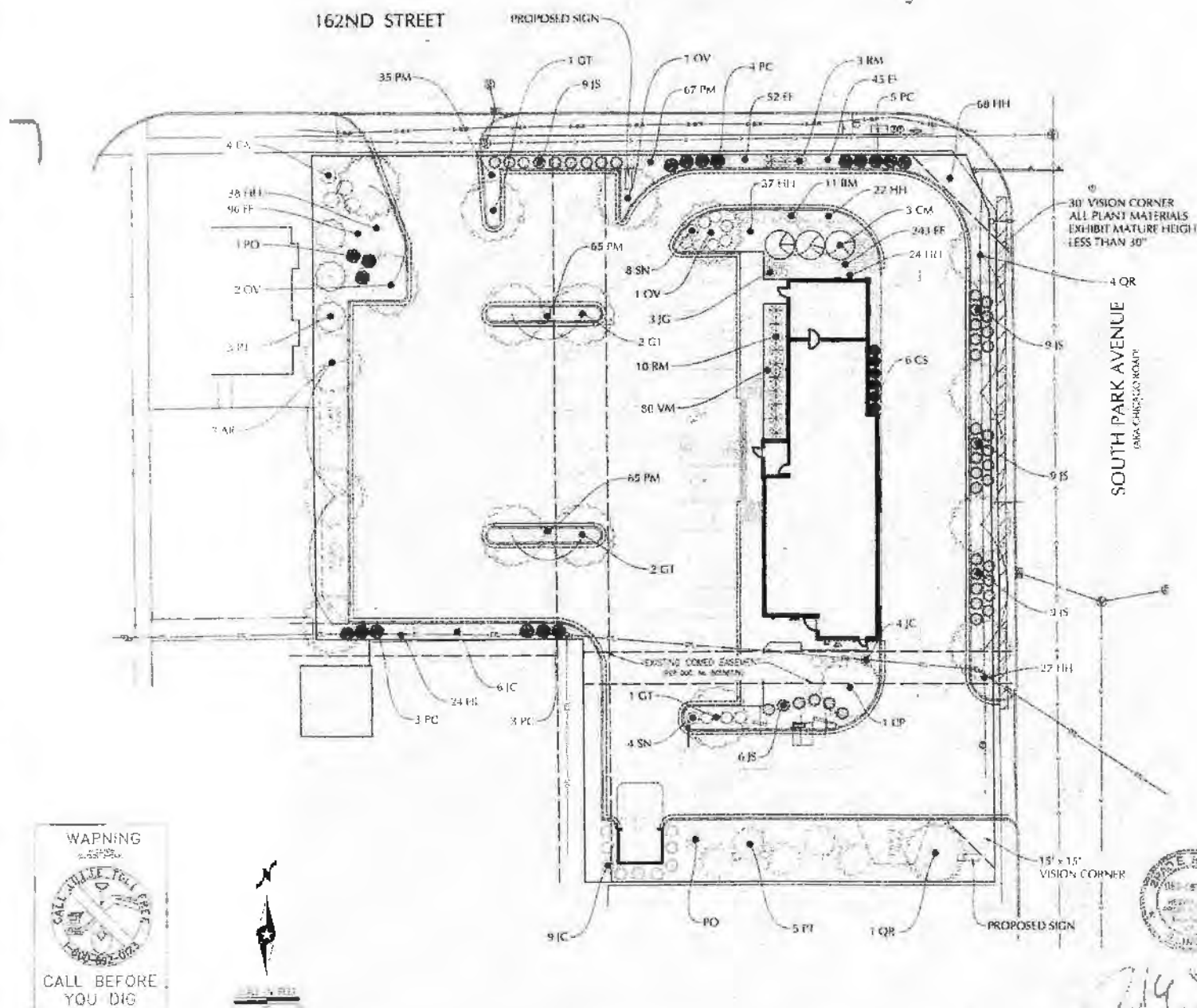
SOUTH HOLLAND, IL

CONSTRUCTION DETAILS & NOTES

PROJECT NUMBER	10221
DATE	MAY 28, 2014
SCALE	AS SHOWN
DRAWN BY	J. WAINBERG
CHECKED BY	J. WAINBERG
DATE	

GENERAL NOTES

- ALL PLANT MATERIAL IS SUBJECT TO AVAILABILITY AND PROPER SEASONAL PLANTING PROCEDURES.
- ANY SUBSTITUTIONS, MODIFICATIONS, OR DEVIATIONS FROM THIS PLAN REQUIRE PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT.
- ALL PLANT MATERIAL SHALL BE PLANTED IN ACCORDANCE TO THE PLANNING DEPARTMENT.
- ALL PLANTING BEDS TO RECEIVE 3" SHRIKEDDED HARDWOOD MULCH.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, INCLUDING IRRIGATION LINES, PRIOR TO DIGGING. CONSULT DIGGERS HOTLINE.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, FEES, AND LICENSES NECESSARY FOR THE INSTALLATION OF THIS PLAN.
- THE CONTRACTOR IS TO REVIEW ALL SITE ENGINEERING DOCUMENTS PRIOR TO INSTALLATION. ANY CONFLICTS MUST BE REPORTED TO THE LANDSCAPE ARCHITECT. THESE LANDSCAPE DRAWINGS ARE FOR THE INSTALLATION OF PLANT MATERIALS ONLY UNLESS OTHERWISE STATED.
- STAKE AND LAYOUT ALL PLANT LOCATIONS FOR APPROVAL OF LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- ALL LAWN AREAS OUTSIDE OF BIDS TO BE SODDED BY OTHERS.



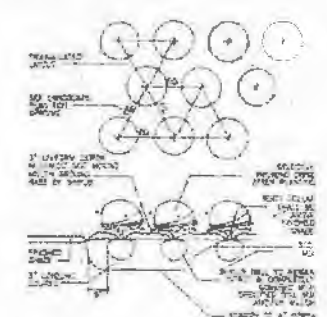
PLANT LIST

QUANTITIES LISTED HEREIN ARE FOR PURPOSES ONLY. PLANT QUANTITIES ALLOCATED ON PLANS SHALL BE VERIFIED BY BIDDING CONTRACTOR.

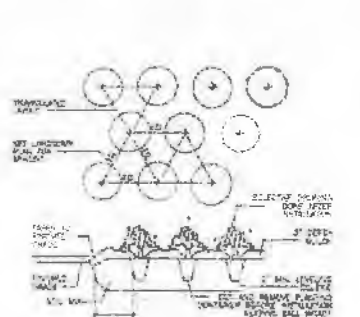
QTY.	SYM.	BOTANICAL NAME	COMMON NAME	SIZE / ROOT	COMMENTS
EVERGREEN TREES					
1	PT	PSUDOTSUGA KALDIFFII	DOUGLAS FIR	8' FT. BB	
DECIDUOUS TREES					
1	AR	ACER RUBRUM	RED MAPLE	3" BB	STRONG LEADER
1	CP	CECALFALCUS VITAEANOPIUM	WASHINGTON HAWTHORN	2" BB	SINGLE TRUNK
1	CM	CORNUS MAS	CORNELIAN CHERRY	3" FT. BB	MULTY TRUNKED
1	BT	BLEDOTIA FRICANSIS 'SHADEMASTER'	SHADEMASTER LOCUST	3" BB	
1	OR	ORNYA VIRGINIANA	40' WOOD	2.5" BB	SINGLE TRUNK
1	QZ	QUERELUS ALBINA	RED OAK	2" BB	
EVERGREEN SHRUBS					
1	SN	SPARGANGLIUM WINTERGREEN	WINTERGREEN DOGWOOD	30" BB	
1	IC	IMPATIENS 'SUNSHINE LANE'	LANEARTH IMPATIENS	24" BB	
1	IC	IMPATIENS 'SUNSHINE LANE'	LANEARTH IMPATIENS	24" BB	
1	IC	IMPATIENS 'SUNSHINE LANE'	LANEARTH IMPATIENS	24" BB	
DECIDUOUS SHRUBS					
1	CA	CORYLUS AVERANA 'LANS VIGOR'	CANTONER HAZELNUT	30" BB	
1	PC	POINTEA OENOPOLIS 'LORD MONTAGU'	GOLD MOUNTAIN POTENTILLA	24" BB	
1	LO	LYONIA 'SUNSHINE LANE'	LANEARTH LYONIA	24" BB	
1	PA	PAONIA 'SUNSHINE LANE'	LANEARTH PAONIA	24" BB	
1	SI	SIBYRICA 'SUNSHINE LANE'	LANEARTH SYBIRICA	24" BB	
PERENNIALS AND GROUNDCOVERS					
1	CS	CALAMAGOSTIS 'ARCTICUS STRICTA'	FEATHER REED GRASS	1 GAL	24" P.T.
1	EF	ELIMINANS 'FORUM'	LITTLE LEAF WINTERGREEN	1 GAL	18" O.C.
1	HA	HIERACIUM 'HAPPY WARRIOR'	HAPPY WARRIOR DAYLILY	1 GAL	18" O.C.
1	HE	HEXIS 'LANCEOLATA'	NARROW LEAF HOSTA	1 GAL	18" O.C.
1	HY	HYDRANGEA 'SUNSHINE LANE'	SUNSHINE LANE HYDRANGEA	1 QT	18" O.C.
1	VE	VERONICA 'SUNSHINE LANE'	PERENNIAL	1 QT	18" O.C.



TREE PLANTING DETAIL



SHRUB PLANTING DETAIL



PERENNIAL PLANTING DETAIL

YAGGY COLBY ASSOCIATES

ENGINEERS
LANDSCAPE ARCHITECTS
SURVEYORS • PLANNERS

100 MAPLE AVENUE
DELAWARE, WISCONSIN 53015
262-444-8888
FAX: 262-444-8884
EMAIL: INFO@YAGGYCOLBY.COM

GREEN TIER
Sustainable • Affordable • Beautiful

PROPOSED BURGER KING RESTAURANT
SOUTH HOLLAND, IL
LANDSCAPE PLAN

PROJECT NO.	2014-001
DATE	04/28/2014
DESIGNER	YAGGY COLBY ASSOCIATES
CLIENT	B. DUPRE
LOCATION	SOUTH HOLLAND, IL
SCALE	AS SHOWN

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.

South₂olland

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.

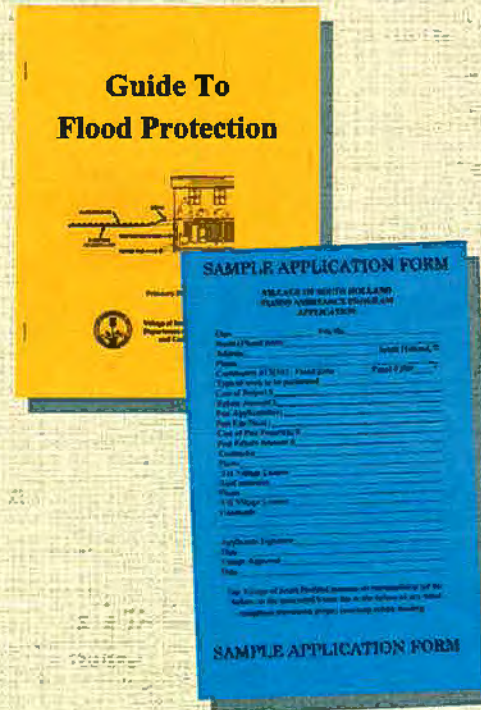
Precautions: Structural relocation professionals should be consulted to identify important factors to consider when relocating a structure.

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



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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



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Home Owner's Guide to Flood Insurance

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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.



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 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.



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/nip



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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



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**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



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Homeowner's Guide to Residential Lot Grading

Village of South Holland
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South Holland, IL 60473

www.southholland.org

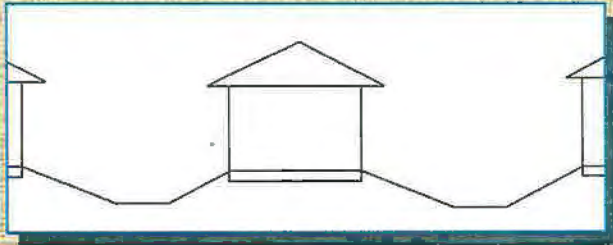
There are three types of residential lot grading plans:

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.

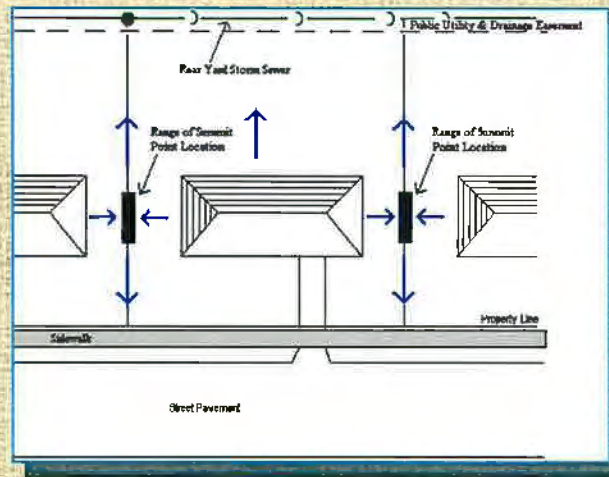
Type 3. All drainage is directed to the back of the lot.

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

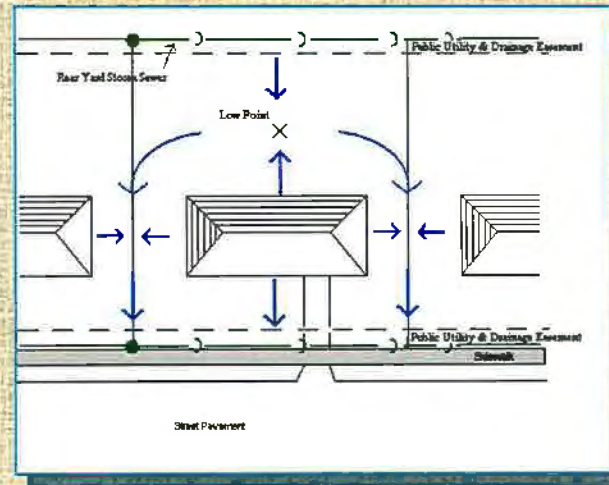
The most common type of grading is Type 1. A lot with this type of drainage has a summit point (high point) along the side lot line forcing runoff from the front yard towards the street and runoff from the backyard to a ditch or overland flow swale along the rear lot line.



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.

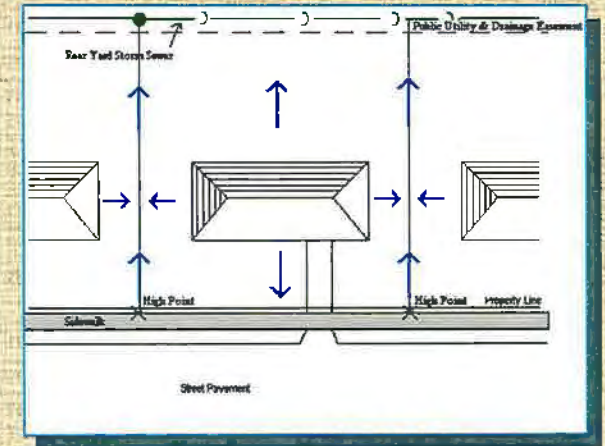


Example of Type 2 Grading
(Horse-shoe Drainage)

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



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Flood Safety

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



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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.

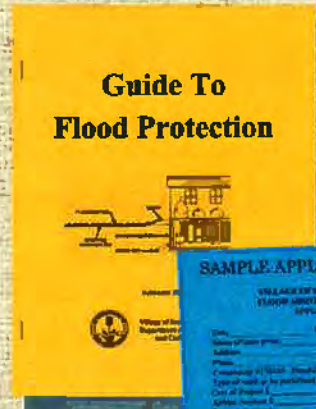


Where has Flooding Damage Been Reported in Tinley Park?

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.



SAMPLE APPLICATION FORM

VILLAGE OF SOUTH HOLLAND FLOOD ASSISTANCE PROGRAM APPLICATION

Name: _____
Address: _____
Phone: _____
Type of work to be performed: _____
City of Project: _____
City of Applicant: _____
Type of Applicant: _____
Date of Application: _____
Name of Applicant: _____
Address: _____
City of Applicant: _____
State: _____
Zip: _____
City of Applicant: _____
County: _____
Date: _____

SAMPLE APPLICATION FORM

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



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Floodplain vs. Floodway

What's the Difference?

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

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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.

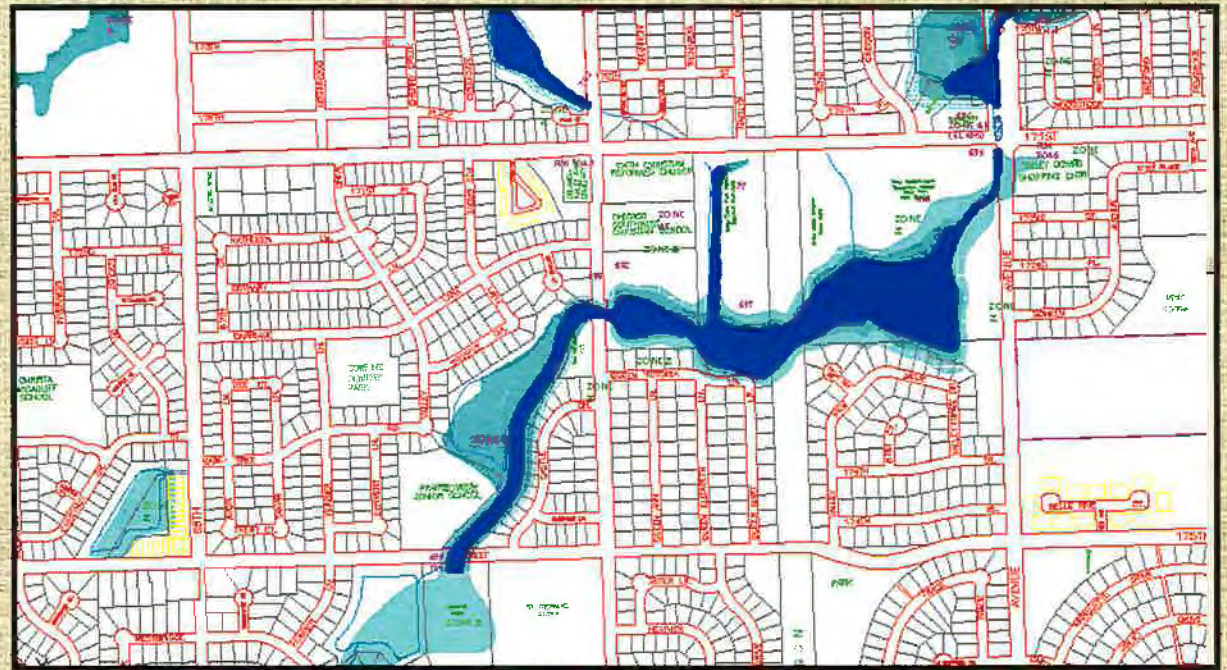
Encroachments in the floodway cause increased flood elevation, both upstream and downstream.

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.

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. 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 of South Holland 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 a single family **owner occupied** residence a 25% rebate for flood control projects they undertake, such as the installation of overhead sewers, drain tiles and crack repairs up to a maximum of \$2500 per property.

How Can You Qualify?

Projects must be **pre-approved** through an in home meeting with the South Holland Flood Assistance Coordinator. Two written estimates are required and will be reviewed at the time of the meeting. After the work is completed, your property will be inspected to verify compliance with code requirements. All contractors must be registered with the Village of South Holland. A list of registered contractors can be obtained from the Planning, Development and Code Enforcement office.

Types of Pre-Approved Projects Funded

Surface Water Projects

- Diversion of downspout water
- Flood walls

Sewer Backup Projects

- Install overhead sewers
- 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 will fill out an application at the in-home meeting and provide required project drawings and two written bid proposals at the time of the meeting. The Flood Assistance Coordinator will approve the project upon his inspection and will also determine if a permit will be required. When the work is complete the homeowner will submit a paid receipt to the Planning, Development and Code Enforcement for processing of the rebate.

Contact the Flood Assistance Coordinator at the Planning, Development & Code Enforcement Department at 708-210-2915 to schedule an appointment for a meeting to apply for the rebate.

VILLAGE OF SOUTH HOLLAND
FLOOD ASSISTANCE PROGRAM RESIDENTS
TO DO CHECKLIST

- o Contacted two (or 3) contractors for proposals for waterproofing work and made copies for the Village's Flood Assistance Coordinator.

Company Name _____
Proposal Amount \$ _____

Company Name _____
Proposal Amount \$ _____

- o Called Village of South Holland Planning, Development & Code Enforcement Department at 708-210-2915 and scheduled my appointment for the Flood Assistance Coordinator to come to my home.

Date ____/____/____ Time _____

- o Called _____ (company) to schedule work to be done. ____/____/____

- o Date of final inspection done by the Village
____/____/____

- o Date I submitted paid receipt to the Village of South Holland Planning, Development & Code Enforcement office for rebate processing. ____/____/____



*FLOOD
ASSISTANCE
REBATE
PROGRAM*

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.

SEWER BACK UP PREVENTION PILOT PROGRAM

FINANCIAL ASSISTANCE FOR HOMEOWNERS



Village of South Holland
16240 Wausau Avenue
South Holland, IL 60473
www.southholland.org



Sewer Backup Prevention Pilot Program

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All drawings in this brochure are for illustration purposes only

Sewer Backup Prevention Pilot Program

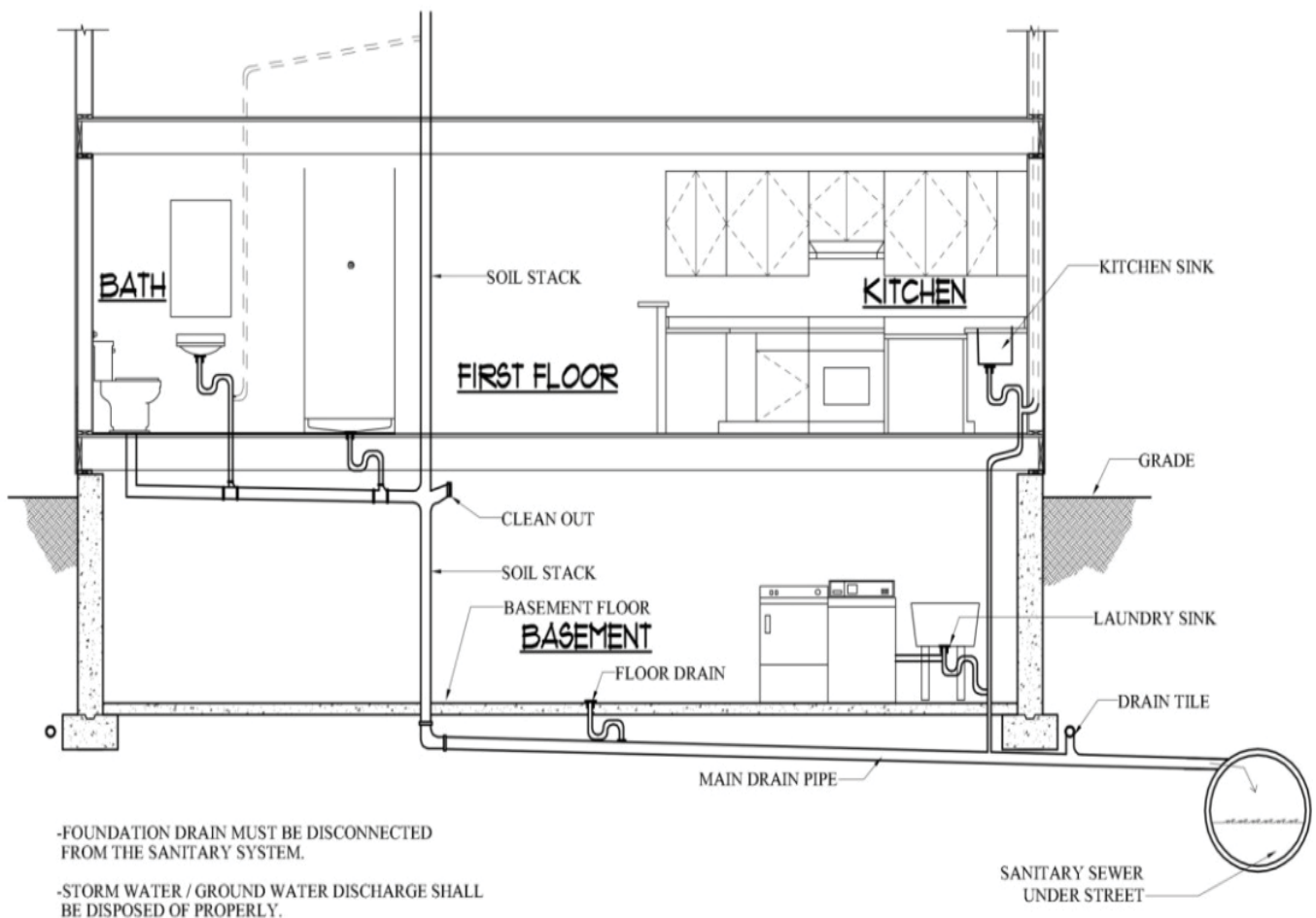
What is the Village of South Holland's Sewer Back Up Prevention Pilot Program?

The Village of South Holland's Sewer Backup Prevention Pilot Program was established to provide financial assistance to homeowners who desire to protect their homes from flooding during a heavy rain event. Eligible homeowners must have the sump pump and downspout connections separated from the sanitary sewers, which qualifies for reimbursement under our current flood rebate program (see Flood Assistance Rebate Program booklet for details). They may then qualify for a **50%** cost sharing, up to a maximum of **\$5,000** for installing an overhead sewer system, check valve or an outside sewage ejector pump, which can protect their basements from sewer backup. The participating homeowner provides the Village with half of the money for the approved project. After the work has been completed, the Village pays the contractor 100%, up to \$10,000. Please note that this is different from the current flood assistance rebate program that requires the homeowner to pay 100% of the project cost directly to the licensed contractor doing the work, then applying for reimbursement from the Village. As funds for this Pilot program are limited, applications must be accompanied by the homeowners' portion of the project. If we receive more applications than funds available, a waiting list shall be created and maintained on a first-come, first-served basis by the Flood Assistance Coordinator. All applications will be time and date stamped when they are submitted. All applicants must submit two (2) quotes from Illinois and Village of South Holland licensed plumbing contractors with their applications.

Sewer Backup Prevention Pilot Program

1. How does an overhead sewer work?

Typically, homes which have experienced sewer backups and flooded basements during a heavy rain event have a gravity type sewer (see Sketch A below). The existing sewer underneath the basement floor drains to the sewer in the street by gravity. When the Village sanitary sewers become overloaded, the gravity located sewer is subject to backup.



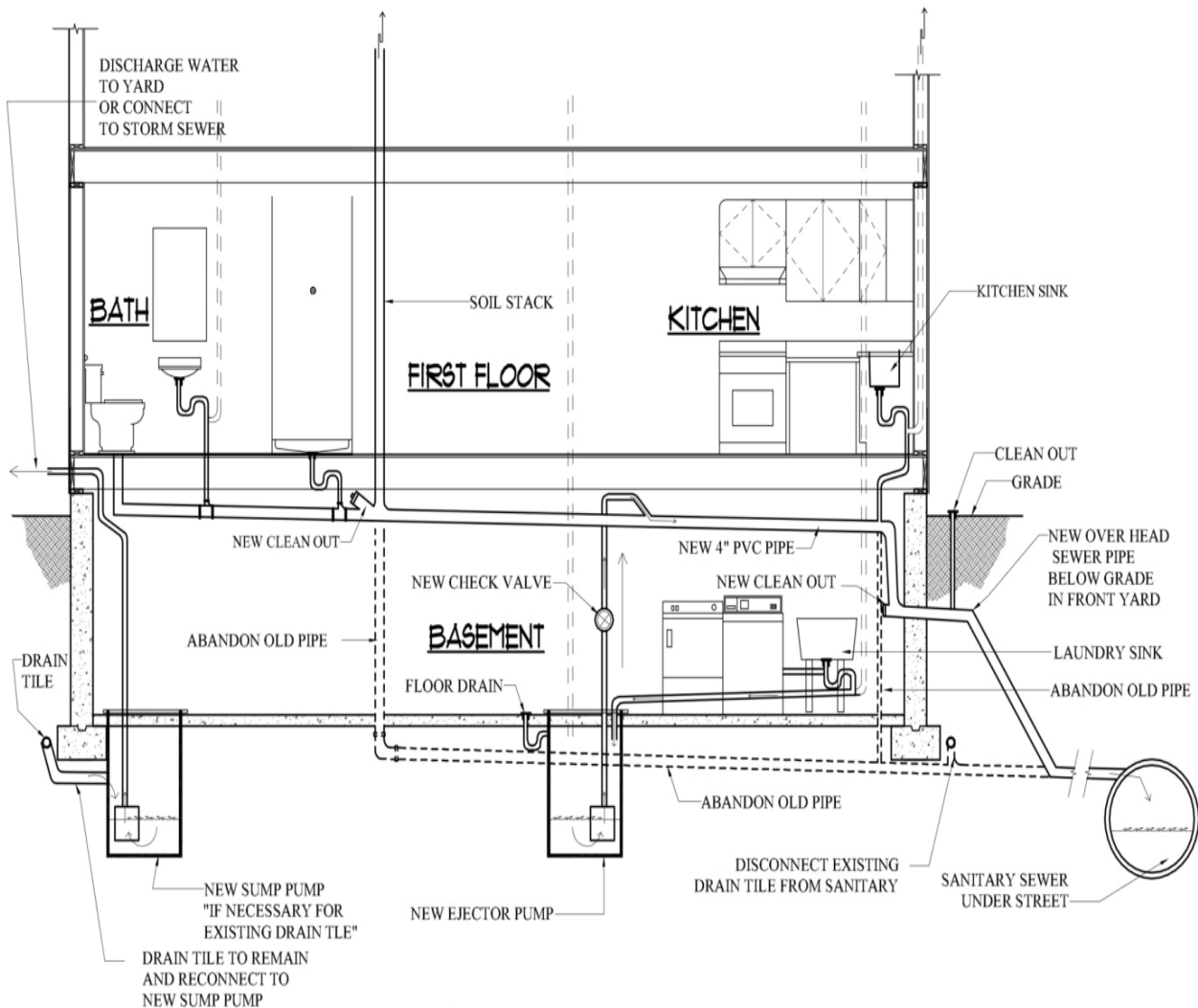
BEFORE

SKETCH A : EXAMPLE OF A TYPICAL GRAVITY DRAINAGE SYSTEM

Sewer Backup Prevention Pilot Program

How does an overhead sewer work? (cont'd)

Changing the basement plumbing to an Overhead Sewer (see Sketch B below) can protect the basement from backups because the plumbing in the basement gets re-plumbed and directed to an ejector pit. The ejector pump in the pit lifts the sewage up and overhead, then down to about mid-height of the basement wall, where it exits the foundation wall to the exterior of the building. Once outside, there is a steep slope where it continues to the lateral line and on to the Village sewer. If the Village sewer becomes overloaded, the homeowner is better protected. The water will most likely only backup into the steep slope, and not into the house.



AFTER

SKETCH B : EXAMPLE OF A CONVERSION TO AN OVERHEAD SEWER SYSTEM

Sewer Backup Prevention Pilot Program

2. What should I know about the overhead sewer project?

In order to qualify for this program, the proposed overhead sewer project: the work must be performed by an Illinois and Village of South Holland Licensed Plumbing Contractor, the home must be owner occupied, **and** the homeowners must have the sump pump and downspout connections separated from the sanitary sewers, which qualifies for reimbursement under our current flood rebate program (see Flood Assistance Rebate Program booklet for details)

The perimeter drain tile and any other source of storm water must be disconnected from the sanitary sewer. Installation of a sump pit and pump is required. The sump pump is to discharge the storm water onto the ground, to the front or rear of the property. Or, the sump discharge may be connected to the storm sewer in the street via underground pipe, PVC SDR 26 minimum 4" diameter. If additional storm water is being conveyed (such as a rear yard drain or downspouts) then the use of a 6" diameter pipe PVC SDR 26 is required. **Note:** This requirement is not applicable if a proper sump pit for perimeter drain tile already exists.

An overhead sewer needs to be installed per Sketch B on page 4. The licensed plumbing contractor needs to provide two sets of drawings which communicate all of the work to be performed. A detailed and itemized invoice for all work being performed is required to be submitted to the Village for review. (Certain modified overhead sewer designs may also qualify)

At least one clean out must be installed outside the home.

There are certain costs that are eligible for cost sharing and certain costs that are not:

Eligible costs are as follows:

- Cost of location, excavation and exposure of the house lateral sewer line including the support of existing structures for re-connection of a new overhead sewer to the existing lateral.
- Cost of a new ejector pit/pump and associated electrical and plumbing work required to lift sanitary drainage from basement plumbing fixtures to an overhead sewer system.
- Cost of trenching and concrete floor replacement.
- Cost of grass seeding to restore disrupted grass/lawns.
- Battery backup system for the new sump pump.
- Installation of storm water sump pit/pump and associated piping pits or materials.

Sewer Backup Prevention Pilot Program

What should I know about the overhead sewer project? (cont'd)

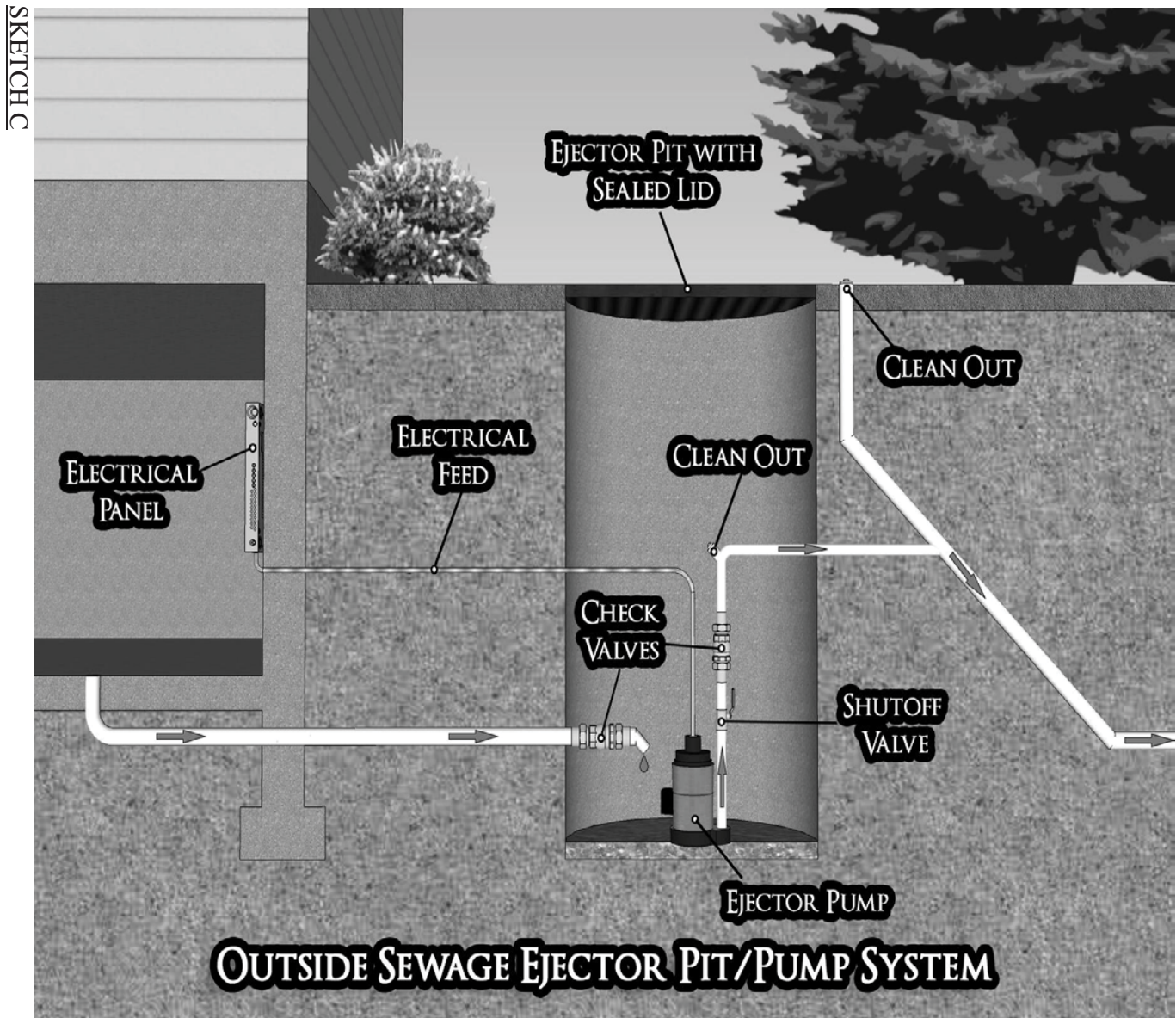
Non-Eligible Costs

- Removal and Replacement of interior walls and finishes.
- Use of materials not meeting the requirements of the Village's guide specifications or Village codes.
- Ancillary homeowner improvements not necessary to provide sanitary sewer backup protection of the basement.
- Planting or replacement of new landscaping (bushes, trees, sod, fences, walls, etc.).
- New electrical panels and/or upgrading the house electrical supply.
- Applicable permit fees.

Sewer Backup Prevention Pilot Program

3. How does the outside sewage ejector pump work?

As a less intrusive option, an ejector pit and pump are installed just outside the foundation wall of the home. Sewage is then pumped to a higher elevation before discharging into the main sanitary sewer system. (as described below in Sketch C).



Sewer Backup Prevention Pilot Program

4. What should I know about the outside sewage ejector pump project?

In order to qualify for this program, the proposed outside sewage ejector system: the work must be performed by an Illinois and Village of South Holland Licensed Plumbing Contractor, the home must be owner occupied, **and** the homeowners must have the sump pump and downspout connections separated from the sanitary sewers, which qualifies for reimbursement under our current flood rebate program (see Flood Assistance Rebate Program booklet for details).

There are certain costs that are eligible for cost sharing and certain costs that are not:

Eligible costs are as follows:

- Cost of location, excavation and exposure of the house lateral sewer line including the support of existing structures to the ejector pit.
- Cost of a new ejector pit/pump and associated electrical and plumbing work required to lift sanitary drainage from plumbing fixtures to the ejector pit system.
- Cost of trenching the ejector pit.
- Cost of grass seeding to restore disrupted grass/lawns.
- Battery backup system for the new sump pump.
- Installation of storm water sump pit/pump and associated piping pits or materials.

Non-Eligible Costs

- Removal and Replacement of interior walls and finishes.
- Use of materials not meeting the requirements of the Village's guide specifications or Village codes.
- Ancillary homeowner improvements not necessary to provide sanitary sewer backup protection of the basement.
- Planting or replacement of new landscaping (bushes, trees, sod, fences, walls, etc.).
- New electrical panels and/or upgrading the house electrical supply.
- Applicable permit fees.

Sewer Backup Prevention Pilot Program

5. How does a check valve work?

The interior of the check valve has a flapper that is installed on the lateral sewer line that leads from your house to the Village sewer. When the sanitary drain is flowing under normal conditions, the flapper is open in the direction of flow. In the event of a flood or backflow, the flapper closes and prevents sewage from back flowing into the house. While this may be a less expensive alternative to installing overhead sewers (as described on page 3); it is important to note that when the flapper is closed, no waste water can be put into the Village sewer system. Simply stated, when the flapper is closed, any water that goes down a drain, including toilet flushing cannot be performed until the flapper opens. The check valve needs to be maintained and checked periodically to insure proper operation. A clean out must be installed in front of the check valve, (downstream). Doing this ensures the lateral line can be cleaned without the router going thru the check valve and possibly causing valve damage.

6. What should I know about the check valve project?

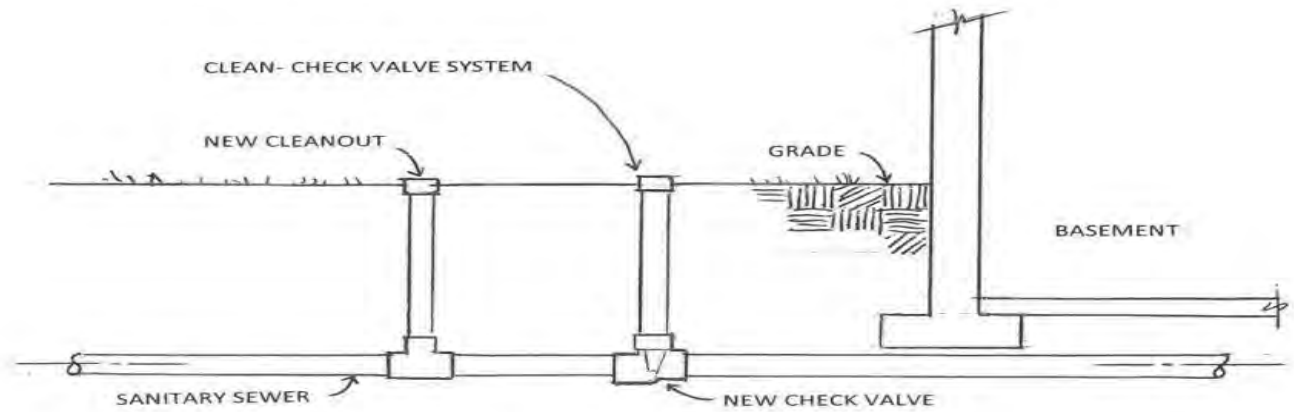
In order to qualify for this program, the proposed check valve installation: the work must be done by an Illinois and Village of South Holland License Plumbing Contractor, the home must be owner occupied **and** the homeowners must have the sump pump and downspout connections separated from the sanitary sewers, which qualifies for reimbursement under our current flood rebate program (see Flood Assistance Rebate Program booklet for details)

The perimeter drain tile and any other source of storm water must be disconnected from the sanitary sewer. Installation of a sump pit and pump is required. The sump pump is to discharge the storm water onto the ground, to the front or rear of the property. Or, the sump discharge may be connected to the storm sewer in the street via underground pipe, PVC SDR 26 minimum 4" diameter.

A check valve must be installed per the diagrams below (pages 10 & 11). The licensed plumbing contractor is to provide two sets of drawings which communicate all of the work to be performed. A detailed and itemized invoice for all work being performed is required to be submitted to the Village for review.

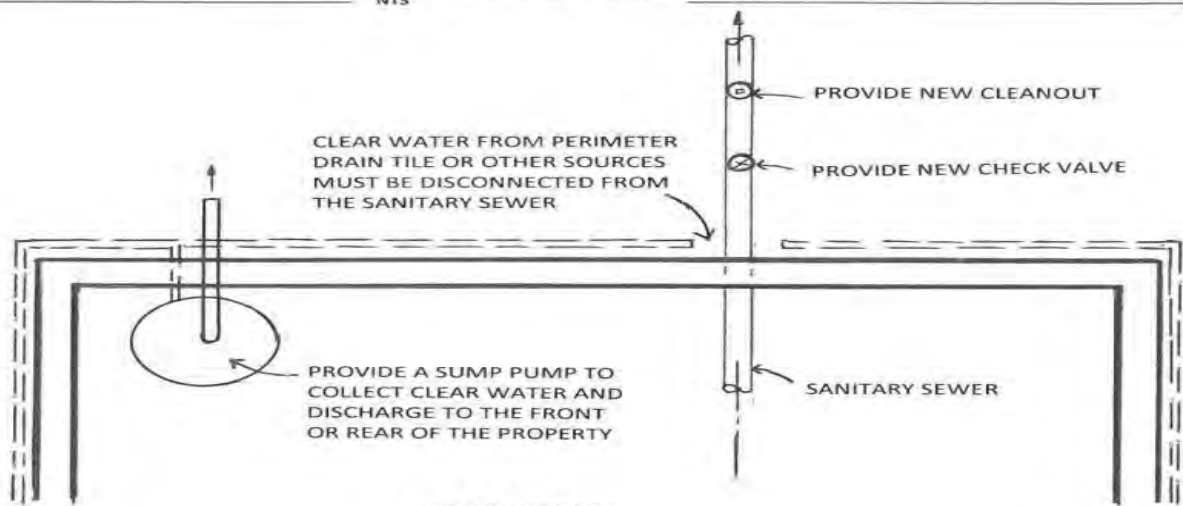
A clean out must be installed outside of the house, downstream from the check valve.

Sewer Backup Prevention Pilot Program



SECTIONAL VIEW

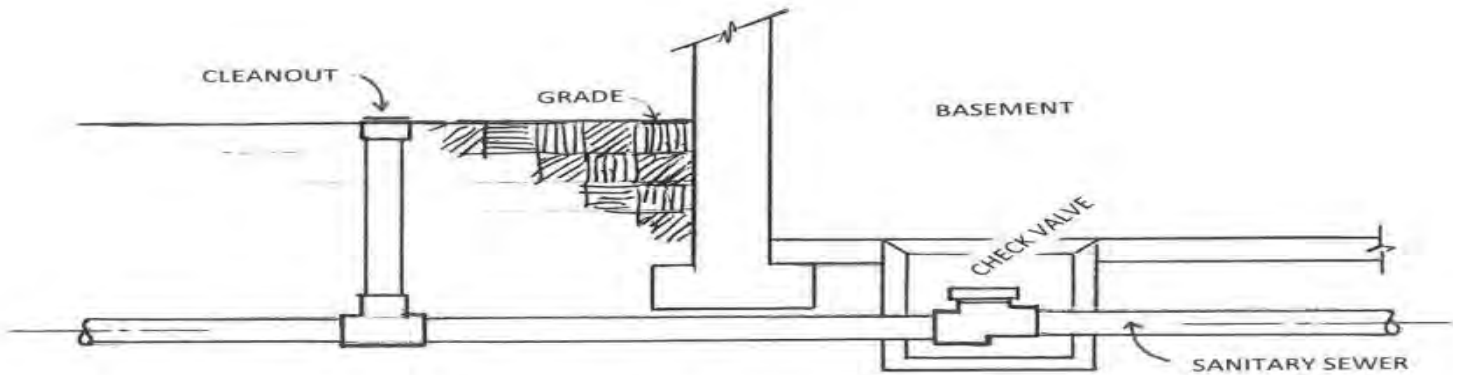
NTS



PLAN VIEW

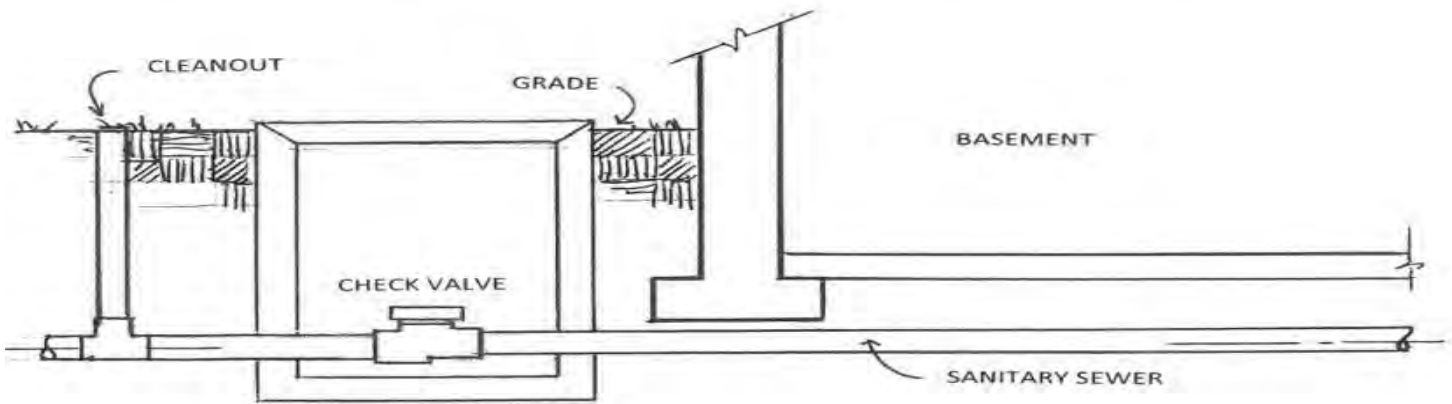
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Sewer Backup Prevention Pilot Program



Option 1 – INTERIOR BACKWATER VALVE

NOTE: THE PERIMETER DRAIN TILE AND ANY OTHER SOURCE OF CLEAR WATER MUST BE DISCONNECTED FROM THE SANITARY SEWER



Option 2 – EXTERIOR BACKWATER VALVE

Sewer Backup Prevention Pilot Program

What should I know about the check valve project? (cont'd)

There are certain costs which are eligible for Village cost sharing and others that are not:

Eligible costs are as follows:

- Cost of location, excavation and exposure of the house lateral sewer line including the support of existing structures for re-connection of a check valve & cleanout to the existing lateral.
- Cost of a new ejector/ pit/ pump and associated electrical and plumbing work needed
- Cost of trenching and concrete floor repairs.
- Cost of grass seeding to restore disrupted grass/lawns.
- Battery backup system for the new sump pump.
- Installation of storm water sump pit/pump and associated piping or materials.

Non-Eligible Costs

- Removal and Replacement of interior walls and finishes.
- Use of materials not meeting the requirements of the Village guide specifications or Village codes.
- Ancillary homeowner improvements not necessary to provide sanitary sewer back-up protection of the basement.
- Planting or replacement of new landscaping (bushes, trees, sod, fences, walls, etc.).
- New electrical panels and/or upgrading the house electrical supply.
- Applicable permit fees.

Sewer Backup Prevention Pilot Program

GENERAL PLUMBING NOTES

1. In order to qualify for the Sewer Backup Prevention Pilot Program:
 - The perimeter drain tile, storm water, must be disconnected from the sanitary sewer; and
 - Installation of a sump pit/pump is required to discharge the storm water on the ground (front or back) or make a direct connection to the storm sewer in the street.
2. Use PVC SDR 26 ASTM 2241 for Sewer Pipe. If there is less than a 10' separation of water service to any sewer line, use PVC SDR 25 or equal for sewer line.
3. Where manufactured pipe joints cannot be utilized or where dissimilar materials are joined, non-shear type couplings shall be used for connections.
4. Connections of PVC SDR 26 laterals to VCP / SDR 26 sanitary sewer main or RCP storm sewer shall be made with a stainless-steel band with a gasket saddle connection.
5. Disconnect the abandoned sewer outside of building foundation/slab and cap with the use of brick and hydraulic cement. **(for the Overhead Sewer Program only)**
6. PVC pipe for drain waste and vent is permitted for use above ground and is permitted underground and below the slab inside the building.
7. The overhead sewer must penetrate the foundation wall before it starts its steep slope. To provide optimal protection, the new overhead sewer SHALL NOT be connected to the existing gravity sewer inside the basement.
8. Provide a clean-out just outside of the building.
9. Provide a cleanout just outside of the house, in front of check valve.
10. The Contractor shall perform all work in a workman-like manner.

Sewer Backup Prevention Pilot Program

Important Information and How to Apply

Step 1: Contact the Planning and Development Department at 708-210-2915 to:

- Place your name and property address on the list of applicants; and
- Schedule a meeting with one of the Village of South Holland's Flood Assistance Coordinators.

Step 2: Obtain quotes from two (2) Illinois and Village licensed plumbing contractors, after the project is deemed eligible. Have the licensed plumbing contractor you selected prepare drawings and provide a written proposal which details the scope of work. Also, complete the following:

- **Permit Application**
- **Site Visit Questionnaire**
- **Homeowners Participation Agreement**
- **Submit your portion of the funds via Certified Check**
- **Advise the licensed plumbing contractor they will be paid by the Village of South Holland after the work performed has been inspected and approved and the proper forms have been completed and approved**

Submit the drawings, proposal forms & funds to:

Planning and Development Department
16240 Wausau Avenue
South Holland, IL 60473

(The Cost Sharing by the Village is 50% up to a maximum of \$5,000 based on available funds. Anything over this amount must be paid by the homeowner directly to the licensed plumbing contractor.)

Step 3: Submit drawings to be reviewed. The drawings will either be approved as noted or returned for revisions. When drawings receive approval, and the homeowners' funds have cleared the bank, the permit will be issued and the licensed plumbing contractor can start the work.

Step 4: Have the licensed plumbing contractor contact the Planning and Development Department to schedule normal inspections during the course of work and at completion for a final inspection.

Step 5: Complete the **Request for Disbursement Form** after the work has been **inspected and approved** by the Village of South Holland. The licensed plumbing contractor will receive payment from the Village for the approved amount within two (2) weeks of the date of certification by the Village. The payment will include both the homeowners' portion, as well as the Village's portion, which is a maximum of \$5,000. Anything over this amount must be paid by the homeowner directly to the licensed plumbing contractor.

Step 6: Be aware a list will be maintained if we receive more applications than funds available. No funds will be accepted from any homeowner that is placed on the waiting list. If and when funds become available, the residents on the list will be contacted, on a first-come, first-served basis, to apply for the program.

Sewer Backup Prevention Pilot Program

SITE VISIT QUESTIONNAIRE

Name: _____

Address: _____

Phone: (Home) _____ (Other) _____

Does resident own and reside at the project address? Yes _____ No _____

Licensed Plumbing contractor's Name _____ Phone _____

Are the downspouts connected to the Village's sanitary sewer system? _____

Are the downspouts connected to the Village's storm sewer system? _____

Does the home have an outside catch basin? _____

Does the home have exterior foundation perimeter drain tile? _____

Does the home have a sump pump for the perimeter drain tile? _____

If yes, where does the sump pump discharge? Front Rear Side or Sewer Connection
(Circle One)

Please circle the plumbing fixtures that are present in the basement of the house:

Floor Drain

Shower or Tub

Lavatory

Laundry Sink

Ejector Pump

Toilet

Sump Pump/Pit (where does it discharge) _____

Flood Assistance Coordinators Comments:

Sewer Backup Prevention Pilot Program

Village of South Holland Homeowner Participation Agreement

I understand and agree that the Village of South Holland established the Sewer Backup Prevention Pilot program to assist homeowners in protecting their homes from flooding due to sewer backups. The program provides for 50% cost sharing of eligible costs up to a maximum of \$5,000.

I understand and agree that prior to the installation of any plumbing work; the specific plans including the proposal shall be submitted to the Village for review and approval. No work shall commence until Village approval is obtained and a permit is issued. The Village shall be notified to inspect the plumbing and electric work as required.

I understand and agree that my portion of the funds must be submitted to the Village in whole and that a payment plan is not available. I further understand that only once the funds have cleared, can the project be approved.

I understand that the Village will make payment to the licensed plumbing contractor once all inspections have been completed, approved and all documentation is in order, and that anything over the total cost of the project of \$10,000 (i.e. \$5,000 from me and a maximum of \$5,000 from the Village), will be paid by me directly to the licensed plumbing contractor.

Liability, I understand that the Village of South Holland shall have no liability for any defective work or other damage, injury and or loss due to any act or omission of the contractor in the performance of the work. The Homeowner shall make any claim for such matters directly against the contractor or contractors' insurance carrier. Homeowner hereby agrees to indemnify and hold the Village of South Holland and its agents harmless against any and all claims and further covenants not to sue the Village of South Holland or its agents for any and all claims or any injury or property damage sustained as a result of any prior or future sanitary sewer backup, as no system is absolutely fail safe.

Disclaimer: The program is designed to substantially reduce the risk of basement backups. However, there is always some risk of basement backup as a result of unexpected sewer collapse, obstruction, power failure, extreme environmental conditions or other unforeseen factors. Proper operation of foundation drains is necessary to prevent seepage of ground water through walls below grade. Existing foundation drains shall not be tested for proper operation in the program. The homeowner has the responsibility for all testing, inspections and any corrective work that may become necessary. The homeowner is reminded that footing drains; storm water tiles and all perimeter drains must be disconnected from the sanitary system. Storm water and ground water discharges shall be disposed of properly.

In addition: Reliable continuous functioning of the homeowners sump/ejector pump(s) is necessary for overhead sewers and foundation drains to function properly. The homeowner shall have the responsibility to check the operation of the pumps regularly. The homeowner shall have the responsibility for all testing, inspections and any corrective work that may become necessary. It is also recommended that the homeowner install a battery backup system to provide protection in the event of power failure. Costs of a battery backup system shall be eligible for funding as part of this program. This program is separate from the Village's established flood rebate program and the homeowner may qualify for reimbursements under the established flood rebate program. The homeowner may only use one program for overhead sewers or check valve installations.

Breach: If the homeowner and or contractor fail to comply with all requirements of the agreement or to complete installation as provided in this agreement, the Village shall have no obligation to disperse any funds under the program.

I understand and agree with all the above statements and to all conditions of the program

Homeowner (Print Name)

Signature

Date

Address of Property

Sewer Backup Prevention Pilot Program

Request for Disbursement Form

Name: _____

Address: _____

Phone: (Home) _____ (Work) _____ (Cell) _____

Date plumbing work was completed: _____

Plumbing permit number issued: _____

Total cost of eligible expenses: _____

Total amount received from homeowner: _____

Total amount of Village's portion: _____
(50% of eligible expenses not to exceed \$5,000)

Total amount to disburse to licensed plumbing contractor: _____
(Includes homeowners' portion, and total amount not to exceed \$10,000. Anything over this amount must be paid by the homeowner directly to the licensed plumbing contractor)

Owner Certification

I, _____ am the homeowner of the property indicated above and I certify that all of the information contained on this Request for Disbursement Form is true and accurate to the best of my knowledge.

Signature

Date

Plumbing Contractor Certification

I, _____ of _____ certify that all work completed under this program has been performed in a workman-like manner and accordance with the Sewer Backup Prevention Pilot Program and all applicable Village Codes.

Signature

Date

Village Certification

As an authorized agent of the Village of South Holland who administers the Sewer Backup Prevention Pilot Program, I certify that I have reviewed all the necessary paperwork, inspected and approved the project associated with the above mentioned Sewer Backup Prevention Pilot Program Application and Permit, and found them in compliance with the provisions of this Program. Therefore, I recommend the disbursement amount be paid within two (2) weeks of the date of this certification.

Signature

Title

Date



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

DON'T MISS THE RAFFLE!

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.



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.



FLOOD PROOFING SERIES

Flood insurance – a wise investment

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.

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.shtm.

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.

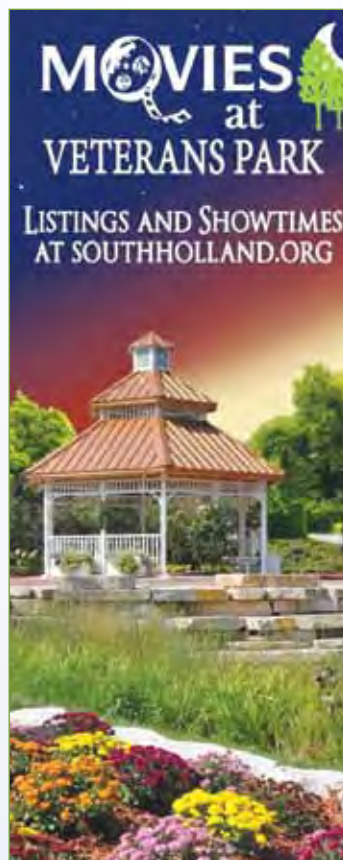
Movies in the Park returns this summer

By Eric Pradelski

The Village of South Holland will once again be hosting Movies in the Park at Veterans Park, 160th Place and South Park Avenue.

Mark your calendars for the dates of June 21, July 26, and Aug. 30. The movies to be shown are yet to be determined.

Residents are encouraged to bring blankets and lawn chairs to sit on the lawn. The concession stand will be open for refreshments, as well.



Summer events for teens scheduled

By Eric Pradelski

The South Holland Youth Commission will host a series of events exclusively for village teenagers.

Aug. 8 is **Back-to-School Teen Night**. The event will take place at the South Holland Community Center, 501 E. 170th St., from 9 p.m. to midnight.

There will be a variety of activities for South Holland teens to enjoy, including basketball, watching a movie, singing karaoke, playing video games, and more.

The cost of the event is \$7 per teen, and covers admission and food for the night.

Also on the slate is a trip to **Six Flags Great America** in Gurnee on June 26. The cost of the trip will include both transportation and admission to the park for the day. Registration information will be announced at a later time.

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 further 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 for South Holland residents

Now that the rainy season is upon us, Planning, Development and Code Enforcement (Code) reminds residents of flood assistance programs 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 Flood Assistance Rebate and a Sewer Back-up Pilot Program may be available for the following 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 the flood rebate or sewer back-up pilot program contact the Code 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.

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

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 (78) 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.**

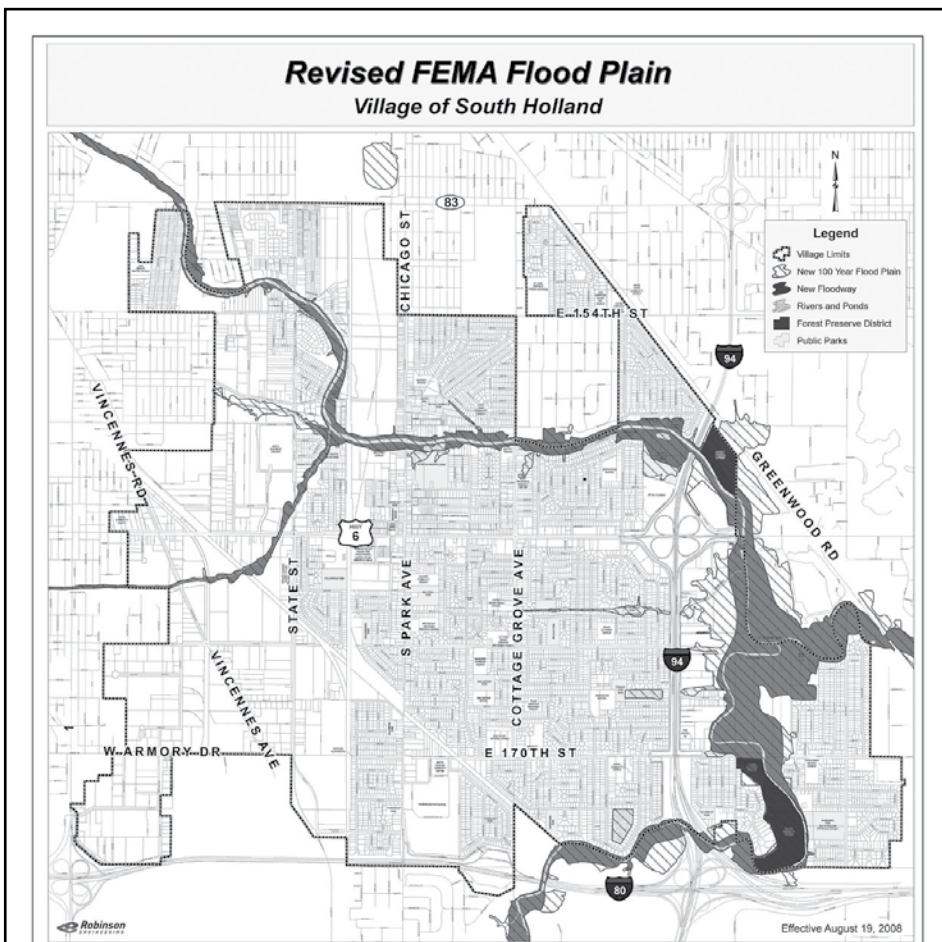
◆ **Always check with the Code Enforcement Office before you build on, alter, regrade, or put fill on your property.** A permit is needed to ensure that such projects do not cause problems on other properties.

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.

STATE OF THE VILLAGE (CONT.)

(Continued, from page 3)

As we move forward in **2015**, our village will continue to prioritize our mission of being a connected community by partnering with local schools to engage high school and college students in village government, civic projects and community service activities.

We will further advance our brand identity with the launch of a new dynamic marketing plan to promote South Holland on a local, regional and national level. Also, we will establish and monitor an employment portal that will connect South Holland residents to available employment opportunities in South Holland.

Clean, Bright and Beautiful community

In an effort to further mitigate flooding issues on our community, Planning, Development and Code Enforcement **increased the rebate** amount for overhead sewer installations to encourage residential upgrades. The department also issued 1,324 permits for commercial and residential projects, which represent more than **\$27 million investment** in our community.

Our Public Works Department took the lead on enhancing **15 community pocket parks** with a fresh coat of paint, creating a more inviting and modern appeal.

New village gateway signs



In **2015**, Public Works will continue to enhance village signage with the planned replacement of the **gateway sign** with a more prominent re-branded three-pillar model at 170th Street (Lansing border). We will incorporate visually stimulating **directional signage** on Route 6 that directs traffic to businesses located in our Town Center business district. As we strive to maintain the clean, bright, beautiful character of our community, we will create a program to educate residents on **exterior/interior home maintenance**.

In addition, Veterans Memorial Park will receive a **new gazebo** at the north end of the park, by way of a state grant. Also, a **new playground structure** will be erected at Willowbrook Park, and a **pergola with benches and evergreens** are planned to improve Hollandale Park.

Directional signage planned for Route 6



Indoor cycling program at Community Center

Signature Spaces and Places

The South Holland Community Center, under management of the Department of Recreational Services, continues to serve as the hub of our community. With the effective leadership of Recreational Services, membership at our Fitness Center **increased to over 2000** for the first time since the center opened. The department introduced a web-based and instructor-based **indoor cycling program** at the Community Center, and installed a **power lift assist chair** in the pool for customers with disabilities.

Our Department of Economic Development has further enhanced the climate of our business industry with the commitment of business expansions by **Eagle Express Lines and The Miniatur Corporation**, and with the construction of a new **Burger King** located at the site of the former Walgreens (southwest corner of Route 6 and South Park Avenue). The fast food chain is expected to open this month, weather permitting.



Business expansion at Ed Miniatur, Inc.

In **2015**, we will move forward with the construction of **Love's Travel Center**, a national corporation, at the former Gibson Chevrolet and Truck-O-Mat properties, with a build-out of a modern facility providing a convenience and novelty store, fueling stations, and Hardees restaurant. Other former business locations under contract for development include the old Allison Haggerty property, 555 East 162nd Street, slated for build-out of a 20,000 sq.ft. **Charter Fitness** facility, and the former Pat Fitzgibbon Mitsubishi, 113 West 162nd Street, which will become a **U-Haul** location. Also, South Suburban College is planning a **130,000 sq. ft. building addition for a medical training facility**.

(Continued, page 5)

STATE OF THE VILLAGE (CONT.)

(Continued, from page 4)

The former Bible League building, 15925 Van Drunen, is under contract by **C&A Overseas United**, which is looking to expand their Morris, IL facility, and **MJ May Material Specialists** is purchasing the former Silliker building on Armory Drive.

The village, under the direction of the Economic Development team will implement a **Business Retention and Expansion program** in an effort to help increase the competitiveness of South Holland businesses in the marketplace, along with assisting them with job creating expansions and helping them survive economic difficulties. Also, we will continue to attract traditional and emerging industries to our industrial complex, while creating new traffic and employment generating businesses in Town Center, on Route 6, and in our Interstate Zoning District.

My Reflections

In conclusion, having been granted the privilege to serve our great village as mayor for more than 20 years is truly an honor and a privilege. Also, it is a blessing to be born and raised in South Holland and to witness who we have become in 2015. It is my belief that South Holland's rich and distinctive history has been guided by the love and goodness of God. I have seen how His presence has been prevalent here and has united us as a people. I've witnessed the strengths, weaknesses, opportunities

and challenges that have characterized this growing and diverse community.

Our passion as a Village Board and Administration is for all of us – residents, churches, schools, and businesses in South Holland – to live together in a growing and united community. I am very thankful to report that we are well on our way to “Advance the Dream” and we are expanding upon the legacy that Dr. Martin Luther King, Jr. proclaimed so clearly and prominently 50 years ago as he walked in unity over the Edmund Pettus Bridge in Selma, Alabama.

It is with that resolve that we, as the Village Board and Administration who love the Village of South Holland, will continue to be dedicated to advancing Vision 2022 throughout 2015 and beyond. Our village will continue to thrive because we believe in and live by our “Heritage of Faith,” our “Emphasis Family values,” and we realize South Holland is a “Home for our Future.”

Let us confidently move forward having never been stronger, more diverse and more ready economically, socially, and spiritually to face our future together.

Don A. De Graff

 Mayor

SOUTH HOLLAND HAPPENINGS

Farmers Market moving – New day & time

Town Center Marketplace is moving to Saturdays, 9 a.m. to 2 p.m., June 29–Oct. 3. The market will remain at its current location, northeast corner of 162nd Street and South Park Ave. For more information, visit online at www.southholland.org and “like” the market’s new Facebook page, www.facebook.com/southhollandtowncenter/.

Coffee with the Mayor

Residents can meet and talk about issues of the day with Mayor Don DeGraff at one of his regular Coffee with the Mayor session at 7 p.m. Tuesday, March 10, at the Community Center.

Coffee with the Fire Department

The fire department invites residents for coffee every first Saturday of the month at Station 1, 16230 Wausau Ave., from 8:30-9:30 a.m. Check the village website, www.southholland.com, for upcoming dates.

National Flood 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 16-20 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>.

South Holland resident to represent IL in Australia

Destiny Wesley has been selected to represent the State of Illinois on the Central Conference Track and Field Team, striving to bring back the 2015 Down Under International Games Championship Title. Tournaments will be hosted on the Gold Coast of Australia this summer. Wesley is a student at Thornridge High School.

Concert recital

The Concert Orchestra of the William A. Wirt / Emerson Visual and Performing

Arts School will perform Chinese and Western music at 10 a.m. Wednesday, Feb. 25, at South Suburban College (SSC). Lea Larson, guest conductor. Free admittance.

**SOUTH HOLLAND
EDUCATION
COMMISSION
VOTERS' FORUM**



**MEET THE SCHOOL BOARD
CANDIDATES FOR DISTRICTS
150, 151 AND 205**

March 14, 2015, 2 – 5 p.m.
**Fellowship Hall
16350 State Street
South Holland**

Spring inspires home remodeling projects



By Ronda Williams

Spring sprouts home remodeling ideas that can dramatically improve the look, feel and value of your home, or not. When done the right way, your home becomes your showcase, a source of pride. When done the wrong way, it becomes a money pit undoing substandard work. So to make sure your project goes well, enlisting the help from the village Planning, Development and Code Enforcement Department is a good first step. They can help you achieve your remodeling goals

by reviewing structural plans, inspecting the site for code and village standards and ensuring the contractor you've chosen has the appropriate liability insurance.

Brian Smith, Senior Code Enforcement Officer for the Planning, Development and Code Department, works side by side with residents to get them the home remodeling outcome they desire. By reviewing project plans and inspecting the work, you are protected from poor workmanship and building code violations.

"Our department is focused on protect-

ing residents by upholding building code standards," said Smith. "We review and approve projects that have a sound project plan, and the proper liability insurance that will hold the contractor responsible for problems or worker injuries that may occur during construction."

As you start to think of home remodeling projects, Smith wants you to feel confident that the village is here to make sure all goes well. Here are answers to some of the most commonly asked questions about getting started.

WHAT WORK REQUIRES VILLAGE APPROVAL AND PERMIT?

- Siding, soffit and fascia
- Window and entry door replacements
- Roofing
- Electrical
- Plumbing
- Flood protection and waterproofing
- Interior remodeling
- Weatherization

HOW LONG DOES IT TAKE TO GET MY PLANS APPROVED?

Basic home additions and remodeling plans take 5 to 7 business days for review and approval. If revisions are requested, a new set of plans will need to be reviewed before final approval.

I DON'T WANT TO USE A CONTRACTOR. AM I ALLOWED TO DO THE WORK MYSELF?

Yes, you can do work on your home without the help of a contractor. If you have help from an assistant, it is advised you are present at all times. Project plans are still required for review and approval by the village.

SHOULD I OBTAIN A VILLAGE PERMIT FOR THE CONTRACTOR?

You can apply for the permit, however, be sure to review the contractor's liability insurance before they begin work. Sometimes a contractor may ask you to obtain the work permit because they do not have proof of insurance. Not having liability insurance can cause problems for you if an onsite injury were to occur.

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 50 percent rebate, to a maximum of \$5,000, 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 Code 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.



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Flood Assistance

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 flood assistance rebate program available to all property owners residing in South Holland, who wish to complete flood control support projects within their home.

Flood Assistance 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

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Flood Articles

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Public Works

on flood control projects, with a maximum rebate of \$2500.00 per home.

Recreational Services

Personnel Services

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

Flood Assistance Rebate Program Brochure

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/>

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- FloodSmart -
http://www.floodsmart.gov/floodsmart/pages/flooding_fl
- 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.



For more information or questions please call us at (708) 210-2915 for assistance.

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Floodplain Management Plan

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

[1a - Plan Cover](#)

[5 - Regulations](#)

[1b - Table of Contents](#)

[6 - Emergency Services](#)

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[4 - Flood Control](#)

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

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property can be diminished through effective floodplain management programs.”

[Recreational Services](#)

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.

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[Building and Code Depart](#)

Click the link of the Flood Article you want to read.

[Clerk & Collector](#)

[Flood-Proofing Projects Pay Off](#)

[Public Relations & Marke](#)

[Flood Insurance: A Wise Investment](#)

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[Code Enforcement Office Answers Common Flood Questions](#)

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[The Natural and Beneficial Functions of the Floodplains](#)

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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](#), [What the Village is Doing](#) 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](#)

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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.

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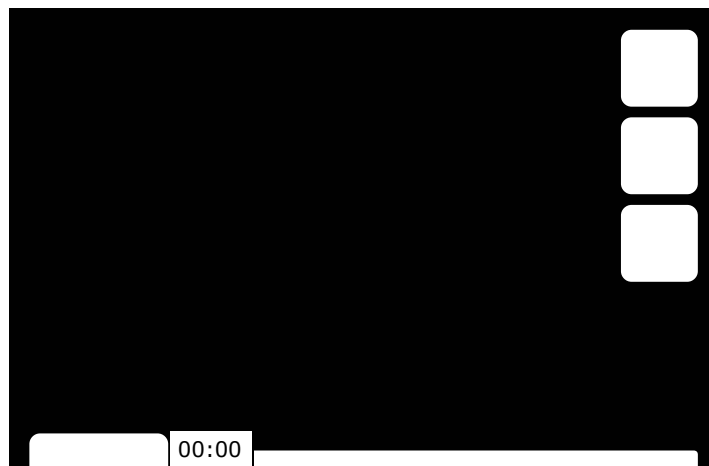
Police Department

Public Library

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.



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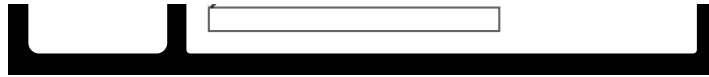
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Residents

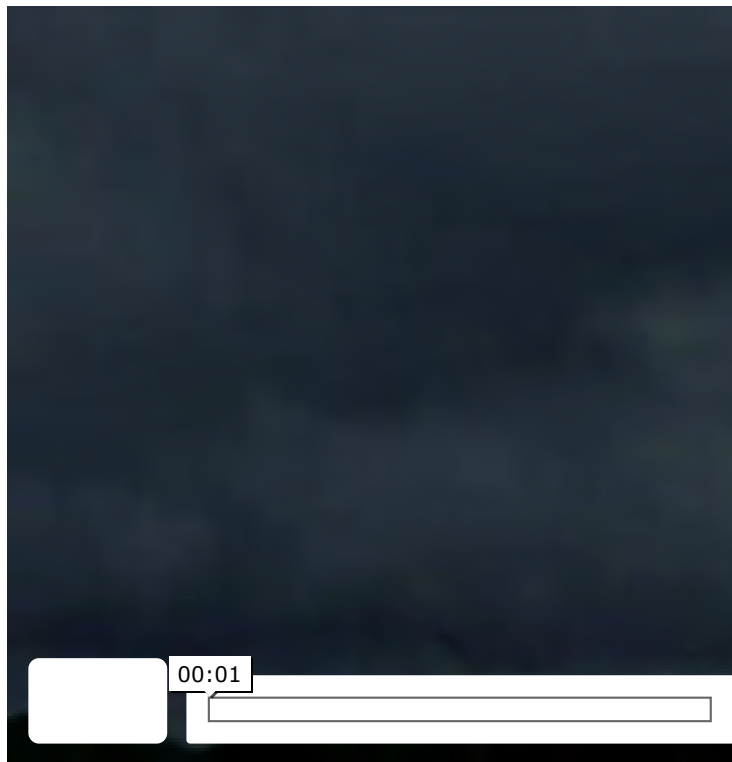
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Flood Monitoring Resources

South Holland Weather Information and River Gauges



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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.

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South Holland Today

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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.

Public Works

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[Parks](#)

[Residential Waste Pick-Up Guidelines](#)

[Recycling Drop-Off Locations](#)

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Director
George Gunkel

Deputy Director
Arnold "Jay" M.

Public Works

Recreational Services

Personnel Services

Johnson

16226 Wausau Avenue
South Holland, IL 60473

Main: 708-339-2323

Fax: 708-331-4637

Emergency: 911

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Village of South Holland

IEPA NPDES General Permit No. ILR40-0451

Storm Water Management Program (SWMP)

For discharges from Small Municipal Separate Storm Sewer Systems (MS4)

March 2014 to March 2018

Draft March 10, 2015

A. General Information

1. Storm Water Management Program contact:

Name: Mr. George Gunkel
Title: Director of Public Works
Mailing Address: Village of South Holland
16226 Wausau Avenue
South Holland, IL 60473
Telephone Number: 708-210-2935
Public Works Dept.: 708-210-2323
Email Address: ggunkel@southholland.org

2. State Authority Contact:

Name: Mr. Alan Keller, PE
Title: Manager, Permit Section
Mailing Address: Illinois Environmental Protection Agency
Division of Water Pollution Control
Permit Section
P. O. Box 19276
Springfield, IL 62794-9276
Email Address: epa.ms4noipermit@illinois.gov

B. Governmental entities in which MS4 is located:

Cook County

C. Names of known receiving waters:

1. Little Calumet River
2. Thorn Creek
3. Calumet Union Drainage Ditch

D. Storm Water Management Program Requirements:

1. The Village of South Holland [Village] must develop, implement, and enforce a storm water management program designed to reduce the discharge of pollutants from [its] small municipal separate storm sewer system (MS4) to the maximum extent practicable (MEP), to protect water quality, and to satisfy the appropriate water quality requirements of the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter 1) and the Clean Water Act. The storm water management program must include the 6 Minimum Control Measures (MCMs). The U.S. Environmental Protection Agency's National Menu of Storm Water Best Management Practices (<http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm>) and the most recent version of the Illinois Urban Manual should be consulted regarding the selection of appropriate BMPs.
2. You may partner with other MS4s to develop and implement your storm water management program.
3. For further details on the requirements for each of the 6 MCMs, please refer to the latest version of the General NPDES Permit No. ILR40.

E. Minimum Control Measures (MCMs):

1. Public Education and Outreach – (MCM 1)
2. Public Participation/Involvement – (MCM 2)
3. Illicit Discharge Detection and Elimination – (MCM 3)
4. Construction Site Runoff Control – (MCM 4)
5. Post-Construction Runoff Control – (MCM 5)
6. Pollution Prevention/Good Housekeeping – (MCM 6)

MCM 1

1. Public Education and Outreach

A1: Distributed Paper Material (Newsletters and Brochures)

1. Description of BMP:
The Village Newsletter, *South Holland Today*, will be used to provide storm water and cleanup information on a variety of topics to the public. The Take a Bite Out of Grime Annual Event will be promoted. Public Works items, duties, and concerns may also be highlighted from time to time. The newsletters and event flyers will be posted on the Village website.
2. Target Audience: Village residents and business owners
3. Measurable Goals:
 - a. Quantity of articles
 - b. Frequency of distribution
 - c. Public awareness
4. Schedule:
 - a. Ongoing
 - b. Articles to be included at least six times per year
 - c. Begun in previous cycles

A3: Public Service Announcement (Cable TV)

1. Description of BMP:
The Village's local Cable TV station will be used to post stormwater, flood management and Public Works information on special events such as Take a Bite out of Grime and Flood Awareness Week. The notices will be run daily for two weeks to promote an event.
2. Target Audience: Village residents
3. Measurable Goals:
 - a. Number of notices
 - b. Public awareness
4. Schedule:
 - a. Twice a year minimum
 - b. Runs 24/7
 - c. Begun in previous cycles

A6: Other Public Education (Website)

1. Description of BMP:

The Village website will be used throughout the year to post a variety of stormwater, flooding, and public works information. Information regarding public services such as garbage collection, yard waste pickup, sewer systems, etc. will be posted.

Posted on the Village website, [www:\Southholland.org](http://www.southholland.org):

Notice of Intent for Renewal of General Permit for Discharges from MS4's
Village of South Holland MS4 Annual Report for 2014
Village of South Holland Storm Water Management Program
South Holland Today newsletter issues

2. Target Audience: Village residents and business owners

3. Measurable Goals:

- a. Website hits and usage
- b. Public awareness

4. Schedule:

- a. Ongoing
- b. To be used throughout the year
- c. Begun in previous cycles

MCM 2

2. Public Participation / Involvement

B4: Public Hearing

1. Description of BMP:

The Village will hold a biennial informational Public Hearing that will be used to inform the public about such topics as the MS4 program, stormwater, flooding, pollution control, etc. The forum for the meeting will be before or during a typical Board meeting. The meeting will be publicized in the local newspaper and minutes will be taken.

2. Target Audience: Village residents and Board members

3. Measurable Goals:

- a. Number of participants
 - b. Public awareness
 - c. Meeting agendas and minutes
4. Schedule:
 - a. Ongoing
 - b. Hold public hearing every other year
 - c. Begun in previous cycles

B7: Other Public Involvement (Annual Cleanup Event)

1. Description of BMP:

As part of a “Go-Green” initiative, the Village will involve the public in environmental awareness via its Tree City designation and Take a Bite Out of Grime Annual Event. The Village website will be used to publish information related to these programs and other public awareness items.
2. Target Audience: Village residents
3. Measurable Goals:
 - a. Number of articles published
 - b. Public awareness and involvement
4. Schedule:
 - a. Ongoing
 - b. Begun in previous cycles

MCM 3

3. Illicit Discharge Detection and Elimination

C1: Storm Sewer Map Preparation

1. Description of BMP:

The Village has a Storm Sewer Map that is GIS-based. Budget limitations have prevented the updating of the sewer atlas. The Village plans to develop an updated storm sewer atlas that shows the location of all outfalls, numbers the outfalls with unique identifiers, shows the location and names of all receiving waters that receive discharges from the outfalls, shows storm structures and numbers them with unique identifiers, and shows pipe sizes and lengths.
2. Measurable Goals:
 - a. Update storm sewer atlas
 - b. Review annually
3. Schedule:
 - a. As budget allows, update the storm sewer atlas as soon as is practicable
 - b. On a yearly basis, compile new updates to be added to the atlas
 - c. Perform file update (as needed) at least once every 5 years.

C2: Regulatory Control Program (Ordinance)

1. Description of BMP:

The Village ordinance, Chapter 14 – Planning and Development, includes portions that address issues related to stormwater conveyance. The Village will continue to enforce this ordinance and other development ordinances that include soil erosion and sediment control through its plan review process. The Village ordinances are posted on the Village website. The Village will periodically review the regulatory program and ordinance adequacy and make any updates or revisions as needed.
2. Measurable Goals:
 - a. Ordinance effectiveness
 - b. Current applicability
3. Schedule:
 - a. Ongoing enforcement of all Village ordinances by Code Enforcement Officers
 - b. Review the regulatory program and ordinance adequacy in the third year of the permitting cycle
 - c. Perform file update (as needed) at least once every 5 years

C7: Visual Dry Weather Screening

1. Description of BMP:
The dry weather screening program will consist of inspecting outfalls and logging the results on an appropriate inspection form. The target goal is that the Village outfalls are to be inspected every year.
2. Measurable Goals:
 - a. Clean outfalls
 - b. Inspection of outfalls every year
3. Schedule:
 - a. Perform inspections in dry weather times throughout the year, but primarily in the months of May or June
 - b. Outfall inspections to be performed every year

MCM 4

4. Construction Site Storm Water Runoff Control

D1: Regulatory Control Program (Soil Erosion and Sediment Control Ordinance)

1. Description of BMP:
The Village ordinance, Chapter 14 – Erosion and Sediment Control, regulates soil erosion and sediment control in runoff from construction sites. The Village continues to enforce this ordinance and other development ordinances through the plan review process. The Village ordinances are posted on the website. Article 4 of the Watershed Management Ordinance (WMO) used by MWRD is also in effect and regulates erosion and sediment control.
2. Measurable Goals:
 - a. Ordinance enforcement
 - b. Reduced soil erosion and sediment
3. Schedule:
 - a. Ongoing enforcement by Code Enforcement Officers through use of warnings and fines
 - b. Periodic review of ordinance effectiveness and applicability

D2: Erosion and Sediment Control BMPs

1. Description of BMP:

Erosion and Sediment Control BMPs are required under the current ordinances and these requirements are enforced through the plan review process. Required site BMPs will be reviewed for effectiveness. Consideration will be given for any changes in the requirements warranted due to new or emerging technologies.

2. Measurable Goals:
 - a. Ordinance enforcement
 - b. Reduced soil erosion and sediment

3. Schedule:
 - a. Ongoing enforcement by Code Enforcement Officers through use of warnings and fines
 - b. Periodic review of ordinance effectiveness and applicability

D4: Site Plan Review Procedures

1. Description of BMP:

Development plans will continue to be reviewed under local and county ordinances by Village Staff and engineering consultants, especially regarding stormwater and erosion and sediment control measures. Projects that disturb greater than 0.50 acre will be required to submit a Notice of Intent prior to construction. A SWPPP is required with plan sets.

2. Measurable Goals:
 - a. Ordinance enforcement
 - b. Reduced soil erosion and sediment

3. Schedule:
 - a. Ongoing enforcement by Code Enforcement Officers through use of warnings and fines
 - b. Periodic review of ordinance effectiveness and applicability

D6: Site Inspection/Enforcement Procedures

1. Description of BMP:
 - a. Weekly inspection reports will continue to be required from developers of active projects. Periodic or surprise audit inspections are conducted by the Village Public Works Department as needed. The inspections will typically be documented on appropriate forms. Developers will be informed of any noted deficiencies in their site's erosion and sediment control measures. Copies of the documentation will be filed.

- b. Ongoing enforcement by Public Works Staff. State and federally funded infrastructure improvements will be inspected by consultant Robinson Engineering with CPESC (Certified Professional in Erosion and Sediment Control) trained staff.
2. Measurable Goals:
- a. Ordinance enforcement
 - b. Reduced soil erosion and sediment
3. Schedule:
- a. Ongoing enforcement by Public Works Department Staff
 - b. Periodic inspections will be conducted as deemed necessary depending on level of activity at a site and on weather conditions
 - c. Inspections of sites for which the Village is responsible will be conducted weekly and after 0.5" or greater rain events

MCM 5

5. Post-Construction Storm Water Management

E2: Regulatory Control Program (Soil Erosion and Sediment Control Ordinance)

1. Description of BMP:

The Village ordinance, Chapter 14 – Control of Post-Construction Storm Water Runoff, regulates post construction runoff and is applied in conjunction with Chapter 14 – Erosion and Sediment Control, to control soil erosion and sediment control in runoff from construction sites. The Village continues to enforce this ordinance and other development ordinances through the plan review process. The Village ordinances are posted on the website. Article 4 of the Watershed Management Ordinance (WMO) used by MWRD is also in effect and regulates erosion and sediment control.
2. Measurable Goals:
 - a. Ordinance enforcement
 - b. Reduced soil erosion and sediment
3. Schedule:
 - a. Ongoing enforcement by Public Works Staff
 - b. Periodic review of ordinance effectiveness and applicability

E3: Long Term O&M Procedures

1. Description of BMP:

Long Term Operation and Maintenance Procedures related to erosion and sediment control are required under the current ordinance and these requirements are enforced during the plan review process prior to construction.
2. Measurable Goals:
 - a. Ordinance enforcement
 - b. Reduced soil erosion and sediment
3. Schedule:
 - a. Ongoing enforcement by Public Works Staff
 - b. Periodic review of ordinance effectiveness and applicability

E4: Pre-Construction Review of BMP Designs

4. Description of BMP:
Erosion and Sediment Control BMPs are required under the current ordinance and these requirements are enforced through the plan review process prior to construction, as provided by Robinson Engineering, Ltd. Required site BMPs will be reviewed for effectiveness. Consideration will be given for any changes in the requirements warranted due to new or emerging technologies.
5. Measurable Goals:
 - a. Ordinance enforcement
 - b. Reduced soil erosion and sediment
6. Schedule:
 - a. Ongoing enforcement
 - b. Periodic review of ordinance effectiveness and applicability

E5: Site Inspections During Construction

1. Description of BMP:
Weekly inspection reports will continue to be required from developers of active projects. Periodic or surprise audit inspections will be conducted by the Village as needed during the construction process. The inspections will typically be documented on appropriate forms. Developers will be informed of any noted deficiencies in their site's erosion and sediment control measures. Copies of the documentation will be filed.
2. Measurable Goals:
 - a. Ordinance enforcement
 - b. Reduced soil erosion and sediment
3. Schedule:
 - a. Ongoing enforcement by Public Works Staff. State and federally funded infrastructure improvements will be inspected by consultant Robinson Engineering with CPESC (Certified Professional in Erosion and Sediment Control) trained staff.
 - b. Periodic inspections will be conducted as deemed necessary depending on level of activity at a site and on weather conditions
 - c. Inspections of sites for which the Village is responsible will be conducted weekly and after 0.5" or greater rain events

E6: Post-Construction Inspections

1. Description of BMP:

Post-construction BMPs and facilities including storm sewer systems, grading, and stormwater detention facilities will be inspected after the sites are completed and the request for the acceptance of the development is received. Final inspections will be part of any newly constructed development.

Furthermore, the goal is to inspect the existing public and accessible private stormwater management systems throughout the year

2. Measurable Goals:

- a. Ordinance enforcement
- b. Reduced soil erosion and sediment

3. Schedule:

- a. Ongoing enforcement by Public Works Staff.
- b. Developments will receive final acceptance and release of the development security only after punch lists and any deficiencies are corrected. The developments will also be inspected before the expiration of the maintenance bond that is put in place after acceptance.
- c. Inspect existing systems throughout the year

MCM 6

6. Pollution Prevention and Good Housekeeping

F1: Employee Training Program

1. Description of BMP:

Appropriate Public Works employees will be provided training for pollution prevention measures, such as training in the use of salt spreading, distribution rates, proper snow-plowing, procedures for disposal of oil, salt storage, fuel dispensing, and handling of solvents.

Appropriate employees will be provided refresher training or information to reinforce the established pollution measures in place. This may involve the use of various videos applicable to the subject matter.

In March 2015 Jay Johnson was hired by the Village to serve as Deputy Director of Public Works. His employment and training at IDOT District I provided him with extensive experience with construction site inspections, erosion and sediment control requirements, proper use of SWPPP and current BMP for construction and post-construction.

2. Measurable Goals:

- a. Conduct at least one training session per year
- b. Informed staff

3. Schedule:

Summer or fall on an annual basis

F2: Inspection and Maintenance Program

1. Description of BMP:

Routine inspection and maintenance of Village streets, storm sewers, storm inlets and catch basins, ditches, swales, and stormwater detention facilities are part of the typical Public Works responsibilities. This includes street sweeping, storm structure vacuuming, jetting, or repair, and debris, branch and leaf collection. Systems and facilities are primarily under continuous surveillance rather than on a rigidly established schedule; however, some scheduling is involved.

2. Measurable Goals:

- a. Keep Village systems in top operating condition
- b. Reduced pollutants or contaminants

3. Schedule:

- a. Ongoing and as needed
- b. Street-sweeping – this will be performed quarterly by Public Works on main streets and side streets
- c. Inlets/Catch Basins – will be inspected and maintained as needed throughout the year – needed repairs may be performed in-house or by contractor – cleaning, when performed, is generally performed during the months of May through August
- d. Storm sewers – will be inspected and cleaned or jetted on an as needed basis throughout the year – significant maintenance issues may not be able to be repaired immediately and may require special budgeting and scheduling depending on severity and impacts to drainage
- e. Detention ponds/basins – Village-owned detention basins will be inspected periodically and maintained as needed – debris will be cleared from outlets as necessary to promote proper drainage. Other detention basins will be similarly inspected and maintained if proper easements allow for Village access.
- f. Culverts – if under Village control, will be inspected and debris removed as needed
- g. Ditch, swale or creek cleaning – will be inspected and cleaned as needed as staffing allows

F3: Municipal Operations Storm Water Control

1. Description of BMP:

The BMPs for municipal operations for stormwater control were reviewed in 2012, and the Village completed a SWPPP Manual and Spill Response Plan for its maintenance Yard and Operations. Revisions will be made as necessary. Typical municipal operations will continue to adhere to established and known stormwater control measures.

2. Measurable Goals:

- a. Program effectiveness
- b. Program compliance
- c. Reduced pollutants or contaminants

3. Schedule:

- a. Ongoing adherence to SWPPP Manual and Spill Response Plan
- b. Yearly review of Manual to take place in February or March

F4: Municipal Operations Waste Disposal

1. Description of BMP:

The BMPs for municipal operations for waste control will be reviewed for effectiveness and audited for compliance with the program. Revisions will be made as necessary. Typical municipal operations will continue to adhere to established and known waste disposal measures. Waste disposal is typically logged and may be handled directly by Village staff or through a contracted disposal service. Fluids such as oil and coolant from vehicle maintenance are collected and disposed of according to typical methods as mentioned above. Double or triple basins are routinely cleaned according to typical procedures. Spilled fuel is mopped up with an absorbent product or similar material and disposed of properly.

2. Measurable Goals:
 - a. Program effectiveness
 - b. Program compliance
 - c. Reduced pollutants or contaminants

3. Schedule:
 - a. Ongoing
 - b. Yearly review to take place in February or March

F5: Flood Management/Assessment Guidelines

1. Description of BMP:

The Village code includes Flood Regulations which enforce floodplain and flood hazard regulations for any development in or near to floodplains. The WMO is also applicable and enforced with new developments. Development plans will be reviewed for compliance with applicable ordinances and policies with regard to flood management and for compliance with IDNR-OWR and FEMA regulations. Where applicable, developers will be required to submit for and obtain a Letter of Map Revision (LOMR) from FEMA.

2. Measurable Goals:

Reduced flooding and flood reduction

3. Schedule:
 - a. Ongoing
 - b. Development reviews as needed by Village staff and Village engineering consultant, Robinson Engineering.

F. Monitoring, Recordkeeping, and Reporting:

1. Monitoring:

Monitoring shall include at least annual monitoring of receiving waters upstream and downstream of the MS4 discharges, use of indicators to gauge the effects of stormwater discharges on the physical/habitat-related aspects of the receiving waters, and/or monitoring of the effectiveness of the BMPs.

2. Recordkeeping:

- a. The Village must keep records required by the ILR40 permit for the duration of the permit.
- b. All records shall be kept onsite or locally available and shall be made accessible to the Agency (IEPA) for review at the time of an on-site inspection.
- c. Except as otherwise required by the ILR40 permit, the Village must submit its records to the IEPA only when specifically asked to do so.
- d. As required by the ILR40 permit, the following (at a minimum) must be posted on the Village website:
 - i. Current Notice of intent (NOI)
 - ii. Storm Water Management Program/Plan (SWMP)
 - iii. Annual reports
- e. Storm sewer maps may be withheld for security reasons

3. Reporting:

- a. The Village must submit annual reports to the IEPA by the first day of June (**June 1**) for each year that the ILR40 permit is in effect.
- b. If the Village maintains a website, a copy of the annual report shall be posted on the website by June 1 of each year.
- c. Each report shall cover the period from March of the previous year through March of the current year. Please refer to the ILR40 permit for the list of items the annual report must include.



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:				Longitude:			
	<u>41</u>	<u>36</u>	<u>00</u>		<u>87</u>	<u>36</u>	<u>00</u>
	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)

[X] 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

[X] 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

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

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