



Municipal Expertise. Community Commitment.

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May 30, 2016

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 2015-2016
- 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 'Patricia K Barker', is written over a faint, larger version of the signature.

Patricia K Barker, PE, CFM
Village Engineer

JJD/pkb
South Holland - 2016 MS4 Annual Report\1_IEPA Submittal Letter - 2016.doc

Encl.

xc: George Gunkel, Director of Public Works – Village of South Holland
Jay Patel - 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, 2015 To March, 2016

Permit No. ILR40 0451

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

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

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

Cook County

THE FOLLOWING ITEMS MUST BE ADDRESSED.

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

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

George W. Gunkel
Owner Signature:

George Gunkel

Printed Name:

5-3-16
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

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

VILLAGE OF SOUTH HOLLAND

SUMMARY AND SCHEDULE OF PROPOSED BEST MANAGEMENT PRACTICES

MINIMUM CONTROL MEASURE		PREVIOUSLY COMPLETED	MAR-13	MAR-14	MAR-15	MAR-16	MAR-17	
A. Public Education and Outreach on Stormwater Impacts								
A1	Literature Distribution (brochure & newsletter)	X	X	X	X	X	A	
A3	Public Service Announcements (Cable TV)	X			X	X	A	
A4	"Take-a-Bite" out of Grime annual event	X	X	X	X	X	A	
A6	Other Public Education (website)	X	X	X	X	X	A	
B. Public Involvement/ Participation								
B4	Public Hearing	X	X	D	X	X	A	
B7	Annual Cleanup Event	X	X	X	X		A	
C. Illicit Discharge Detection and Elimination								
C1	Storm Sewer Map Assessment	X		X	X	X	A	
	Storm Sewer Map Preparation	X		X		X		
	Field Identification of Outfalls	X	X	X	X	X	A	
	Storm Sewer Map Update Program	X	X	X		X	A	
C2	Regulatory Control Program	X						
	- Sewer Use Ordinance	X	X	X	X	D	A	
C7	Visual Dry Weather Screening Program	X	X	X	X	X		
C10	Other Illicit Discharge Controls (Monitoring)						A	
D. Construct Site Storm Water Runoff Control								
D1	Regulatory Control Program	X			X			
	- Review of Current Ordinances	X			X			
	- Enforcement Ongoing	X	X	X	X	X	A	
D2	Erosion and Sediment Control BMP's	X	X	X	X	X	A	
D4	Site Plan Review Procedures	X	X	X	X	X	A	
D6	Site Inspection/Enforcement Procedures	X	X	X	X	A	A	
E. Post-Construct Storm Water Management								
E2	Regulatory Control Program	X			X	X	A	
	- Review of Current Ordinances	X			X	X	A	
	- Enforcement Ongoing	X	X	X	X	X	A	
E3	Long Term O&M Procedures	X	X	X	X	X	A	
E4	Pre-Construction Review of BMP Designs	X	X	X	X	X	A	
E5	Site Inspections During Construction	X	X	X	X	X	A	
E6	Post-Construction Inspections	X	X	X	X	X	A	
F. Pollution Prevention/Good Housekeeping								
F1	Employee Training Program	X	X	X	X	X	A	
F2	Inspection & Maintenance Program	X	X	X	X			
F3 & F4	Municipal Operations for Stormwater Control and Waste Disposal	2012 NEW SWPPP	X	X	X	X	A	
	- Audit existing BMP's	X				X	A	
	- Audit problem areas	X						
	- Plan new BMP's and Procedures	X				X	A	
	- Implement Program	X	X	X	X	X	A	
F5	Flood Management/Assess Guidelines	X	X	X	X	X	A	

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

X = Completed Activity
A = New Planned Activity

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

May 20, 2016

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 Arbor Day celebration, electronic recycling 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 Meeting

1. Description of BMP:

Starting with the 2016-2017 reporting cycle the Village will conduct an annual Public Meeting 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 meeting every year
 - c. Public meeting begun in previous cycles, minimum every other year

B7: Other Public Involvement (Go-Green Initiatives)

- 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, residential curbside recycling and the MWRDGC Rain Barrel program. 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.

Village of South Holland

NPDES Permit No. ILR40 0451

Annual Facility Inspection Report Attachment 1

March 2015 to March 2016

May 20, 2016

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).	5
Item D: Summary of storm water activities you plan to undertake during the next reporting cycle (and implementation schedule).	5
Item E: Notice that you are relying on another governmental entity to satisfy some of your permit obligations (if applicable).	5
Item F: List of construction projects that your entity has paid for during the reporting period.	5

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 2015 to March 2016
May 20, 2016

Item A: Description of Changes to BMPs

The following changes have been made in Village BMPs for the next reporting cycle:

Under BMP B4: Public Hearing (Meeting)

The Village's NOI included a Public Hearing (Meeting) every other year. Since this is now an annual requirement, the BMP has been revised to reflect an annual Public Meeting.

Under BMP C10: Other Illicit Discharge Controls (Visual Monitoring Inspections)

This BMP has been added for the next cycle since it is a new requirement. Since the Village population is under 25,000, it has opted for visual monitoring of its upstream and downstream watercourse locations.

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

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 recycling, yard waste pickup, chipping services, and flood proofing. The brochures that were available for distribution at Village Hall, Public Works, and Code Enforcement in 2015-2016 are attached.

A4: Village Residential Curbside Recycling

The Village began offering residential curbside recycling in July 2015. Free Rain Barrels were made available by MWRDGC to all residents in August 2015 due to Village ordinance approved July 20, 2015. All residents can participate. 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 2015 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 informational Public Hearing on April 6, 2015. The notice of public hearing and the meeting minutes are enclosed. Since this is now an annual requirement, this BMP has been changed to reflect it as an annual meeting. At these meetings, the status of the Village's compliance with NPDES Phase II is reported. The next public meeting is planned for the 2016-17 reporting cycle.

B7: Other Public Involvement (Annual Green Event)

The Village held its Tree City event May 13, 2015, The Village began offering residential curbside recycling in July 2015. Free Rain Barrels were made available by MWRDGC to all residents in August 2015 due to Village ordinance approved July 20, 2015. All residents can participate. 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.

- Deicing materials are stored in a permanent facility.
- All fertilizers, pesticides, or other chemicals are stored indoors.

- 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).

Visual Monitoring Inspections were conducted at upstream and downstream locations. No chemical samples were taken.

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.

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. ____/____/____

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.



*FLOOD
ASSISTANCE
REBATE
PROGRAM*

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
 - Division 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.

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, 708-331-6700 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

of 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.

Number of insertions.....

20089345

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

Signature of Legal Clerk

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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

PUBLIC HEARING AGENDA

April 6, 2015

Required by Illinois Environmental Protection Agency (IEPA) in accord with Village's Notice-of-Intent (NOI) for the Illinois General Permit ILR 40

I. **Introduction and General Description of NPDES for MS4 communities (MS4 = Municipal Separate Storm Sewer System)**

GOAL – Eliminate pollutants from entering storm sewer system/detention ponds and depositing into rivers, lakes, creeks. The ultimate outlet points within the Village are Thorn Creek, the Little Calumet River, and the Cal-Union Drainage Ditch.

II. **Six Required Minimum Control Measures (MCM's)**

1) **Public Education and Outreach**

- a) REMINDER: Do not dump oil, paint or chemicals down sewer, etc.
- b) REMINDER: Clean up after your dogs in your yard and parks, etc.
- c) Public Outreach articles published in South Holland Today & brochures

2) **Public Involvement and Participation**

- a) This Public Hearing is an example of this
- b) Village welcomes public involvement; call PW if notice any spills, etc.
- c) Civic Groups, Schools and volunteers participate in cleanups, awareness, etc.

3) **Illicit Discharge Detection and Elimination (IDDE)**

- a) The Village has an ordinance that it uses to address these issues.
- b) Public Works has identified all outfalls into Cal-Union Ditch, Thorn Creek and Little Calumet River. Inspections of the outfalls are made on a regular schedule.
- c) The Village maintains an up-to-date sewer atlas that indicates all outfalls

4) **Control of Construction Site Storm Water Runoff**

- a) Village has an Erosion control ordinance in place for this
- b) Developers are required to provide a Storm Water Pollution Prevention Plan (SWPPP)
- c) Developers are required to inspect their sites weekly during construction and after rains

5) **Post-Construction Storm Water Management**

- a) Village has a Post-Construction ordinance in place
- b) Final inspections are required before the developer can leave site
- c) Detention required for all developments in the Village per Ordinance updated 2014
- d) Pond filters out sediments prior to being released

6) **Pollution Prevention/Good Housekeeping**

- a) Village conducts Street Sweeping, Cleaning of Culverts and Ditches of debris
- b) Village inspects storm sewers on a yearly basis; catch basins are vacuumed, etc.
- c) Village has prepared SWPPP & Spill Prevention Plan for its own PW Maintenance Yard
- d) Village enlists public's help in watching inlets/catch basins and keeping clear of debris

III. **Annual Activities Moving Forward**

- An annual report is made to the IEPA each year
- Take A Bite Out of Grime-type community cleanup in May
- Public Works maintains stream channels and addresses Item #6 above
- Ordinances and sewer atlas are reviewed yearly

IV. **Questions**

ECONOMIC DEVELOPMENT

New South Holland Businesses Bring Jobs to the Community

Steel Guard Safety Products is a light industrial manufacturer that produces industrial curtain walls, welding curtains, strip doors, covers and related safety products for the automobile industry. They produce over 90% of the new Aluminum Repair Station Curtain systems for Ford Dealers to accommodate the new Aluminum Ford F-150. They will also be accommodating the majority of these stations as GM and other manufacturers roll them out. The company relocated from Terre Haute, Indiana to 16520 Vincennes, and will employ 25 people.

We are happy to welcome **ISC Water Solutions**, who will occupy a 43,000 square foot space at 410 W. 169th St. The company produces chemicals used to treat water. The product is used for such applications as treating engine corrosion for the locomotive industry and waste water treatment. They are expected to employ approximately 30 people.

USA Truck and Advocate Medical Expanding Facilities for Business Growth



USA TRUCK

USA Truck operates a service facility for medium-haul dry van carriers that specialize in hauling general commodities such as industrial items, electronics and automotive parts.

Located at 141 E. 168th St., the company will be expanding its current building footprint from 7,500 square feet to 21,000 square feet in order to expand its service area. The company is also adding a new entrance on the east end of the facility.

Advocate Medical is adding 5,000 square feet to its current footprint at 100 W. 162nd St., which is expected to be operational by the fall.



Passport Achievement Lab Catapults Students to a Brighter Future

Passport Achievement Lab is an after school learning center operated by South Holland residents Michelle and Paul Johnson. The learning center will focus on math and reading intervention and enrichment for students in grades 1-8. They will also offer ACT/SAT College prep for high school students. The center is located at 16240 Louis Avenue.

Flood Proofing Pays Off

The flood assistance program is available to qualified applicants for pre-approved flood proofing projects. The Village of South Holland offers two programs.

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

- Overhead sewers (repairs and installation)

- Removal of sump pump and downspout connections from sanitary sewers
- Back flow valves

The rebate program offers residents a 25 percent rebate, to a maximum of \$2,500.00 for the following flood proofing projects:

SUBSURFACE PROJECTS

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

Other projects may apply.

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.

Lest We Forget, South Holland honors Dr. Martin Luther King Jr.

By Ronda Williams

"The ultimate measure of a man is not where he stands in moments of comfort and convenience, but where he stands at times of challenge and controversy." - Dr. Martin Luther King, Jr.

This year's annual celebration in honor of Dr. Martin Luther King, Jr. was highlighted by a call to action in leading our children in these turbulent times of change and uncertainty. Hosted at Covenant United Church of Christ, the celebration was a masterful ceremony filled with stirring musical performances by the South Holland Master Chorale, the Thornwood High School Ethnicity Singers, and Rev. Dr. Ozzie Smith, Jr, pastor of Covenant United Church of Christ, as well as an inspiration sermon from Rev. Dr. Carolyn McKinstry.

Mayor Don De Graff introduced Dr. McKinstry with a reflection of a trip he recently took through Selma, Montgomery and Birmingham. "The journey was life changing and humbling to walk the paths of the Selma to Montgomery marches, and stand at the pulpit where Dr. King preached at the Dexter Avenue Baptist Church," said De Graff. "Upon meeting and hearing Dr. McKinstry speak during my trip, I couldn't help but invite her to our celebration to share her story."

In her remarks, Dr. McKinstry illustrated how significantly her life was effected by Dr. King's teachings and the very personal and tragic events that occurred daily where she lived. She shared how Dr. King's leadership positively influenced her to become an engaged and purpose-filled contributor to society.

Dr. McKinstry is a fearless civil rights leader. As a fourteen-year-old member of the Sixteenth Street Baptist Church in Birmingham, Alabama, McKinstry was the young girl who answered the threatening phone call warning of the infamous bombing that killed four of her friends. Since that time, McKinstry took to the street as a young civil rights activist. She continues her work today, speaking, teaching and challenging others to take up the mantle for social justice.

"I recall hearing Dr. King tell all of us young people, who were so filled with expectation that we are to stand against violence with kindness, goodness and determination," said Dr. McKinstry. "Dr. King taught us that violence ultimately defeats itself and ends up leaving everybody blind. As adults, we have a responsibility to lead our children by fully investing in them and their future, teaching them cultural education and guiding them with Christian principles."

Dr. McKinstry called for everyone to live as family, loving one another, treating each other with respect and kindness. The responsibility is for us all, she implored.

Four South Holland schools received

awards for their service and commitment to positive change. Receiving this year's Drum Major for Service to Humanity award were the Dads of Calvary Academy, Peacemakers of Calvin Christian School, Live United of Seton Academy and AVID of Thornwood High School.

To close the celebration, the South Holland Master Chorale raised the audience to their feet with "Ain't Got Time to Die," led by soloist Isaiah Brown. It was an inspiring performance, ringing aloud with spontaneous "Amens" and hand clapping.

On February 4, 1968, at the Ebenezer Baptist Church, in speaking about how he wished to be remembered after his death, King said, "I'd like somebody to mention that day that Martin Luther King Jr. tried to give his life serving others. I'd like for somebody to say that day that Martin Luther King Jr. tried to love somebody."

And we sincerely hope that in our celebration to honor his life and his legacy, that we have remembered him as he truly was, a drum major for service to humanity.

"As adults, we have a responsibility to lead our children by fully investing in them and their future, teaching them cultural education and guiding them with Christian principles."

— Rev. Dr. Carolyn McKinstry



BUILDING CODE

Time For Spring Cleaning

"Old Man Winter" is gone and it's time to check the lawn mower or call the lawn service. But before you get started in cutting the grass, here's a home checklist to ensure a beautiful yard this summer!

- Clean up dead leaves and debris.
- Make a plan for revitalizing landscaping with shrubs and flowers.
- Check for chipped/peeling paint on your home.
- Look at the roof to ensure shingles are in good condition.
- Check all sides of your home for winter damage.

Considering installing a deck or a swimming pool? Remember to get a permit from the Building and Code Department. They will ensure you have a good plan that supports your home and meets code requirements.

If you experience basement flooding and want to take advantage of the village rebate program, call the Building and Code Department who can discuss your options.

All hired contractors must have a Village permit to work on your home. This permit protects you from contractors who do shoddy work and ensures they carry the proper insurance to protect you from damages. Before choosing, you should get two to three quotes to get the best price and the best service that meets your needs.

PUBLIC WORKS

Yard Waste Pickup Resumed

Just in time for spring cleaning, branch and lawn waste pickup has resumed and will be on the same day as your regular trash collection day.

Remember that yard waste should be in the Republic Service containers or collected in brown paper yard waste bags.

Every Friday, South Holland Public Works will resume special pickups of outdoor landscape debris and continue through the fall.

Please call the Public Works office to request a special pickup at 708-339-2323.

Street sweepers will begin their rounds as well.



Intersection Work set for U.S. 6 and Cottage Grove Avenue

The Illinois Department of Transportation announced that occasional, daytime lane closures are necessary for intersection improvement at U.S. 6 and Cottage Grove Avenue in South Holland. The work started March 1.

Closures are necessary for eastbound and westbound traffic on U.S. 6, as well as northbound and southbound traffic on Cottage Grove Avenue.

The scope of the project includes traffic signal modernization, sidewalk replacement and new pavement markings. The project is expected to be completed by the summer.

The Village of South Holland, in conjunction with Robinson Engineering, also is incorporating a left turn lane on southbound Cottage Grove at the Route 6 Intersection. New striping, electronic loops and new traffic signals also will be installed.

The location of the closures may affect access to and from the 159th Street interchange with the Bishop Ford Freeway. Drivers are encouraged to seek alternate routes.

Motorists can expect delays and should allow extra time for trips through this area. Drivers are urged to pay close attention to flaggers and signs in the work zones, obey the posted speed limits and be on the alert for workers and equipment.

Other road work also is coming to South Holland.

The railroad viaduct on Route 6 is getting a face-lift on all four corners introducing an outcropping of stone and a wide variety of trees, bushes and flowers.

The village hall complex will be incorporating new storm sewers this spring and a complete resurfacing of its pavement and parking lots.

POLICE



May is Global Youth Traffic Safety Month

There is no greater rite of passage for a teen than getting a driver's license. The freedom and excitement of driving can be overwhelming for the new driver and parents. In recognition of Global Youth Traffic Safety Month, here are some tips for traffic safety from the South Holland Police Department.

Seatbelts – ALL passengers in a vehicle are required to Buckle Up!

Cellular Phone Use – It is illegal to text, email, access web pages, instant message, or use a cellular phone without a hands free device while operating a motor vehicle. It is illegal to use a cell phone in a construction zone or a school zone. It is also illegal for any driver under the age of 19 with a learner's permit or graduated driver's license to use a cellular phone while driving.

Speed Limits – The speed limits on South Holland roadways are posted in accordance with state law. In the event a street is not regulated by a sign, the state speed limit for city/town areas is 30 mph or 20-mph in a school zone.

Construction Zones – When entering a construction zone you are required to reduce speed, discontinue cell phone use, yield to authorized vehicles, and when possible, change lanes away from workers.

School Zones – School zones are 20 mph and are active 7 a.m. to 4 p.m. Monday-Friday on school days when children are present. It is illegal to use a cellular phone while traveling in a school zone.

Roundabout – Always yield the right-of-way to vehicles and pedestrians already within the roundabout (unless informed by signs or law enforcement). Travel in a counter-clockwise direction and use your turn signal the same way as with any other intersection.

Passing – You may pass on the right only when the vehicle you are passing is making or about to make a left turn AND when you have enough room to stay on the paved roadway (not the shoulder).

Burglary victims have support through Secure Residence Program

Victims of a residential burglary are forced to deal with a multitude of issues that they may or may not be prepared for.

Through a collaborative effort of the South Holland Police Department, South Holland Code Enforcement, Thornton Township and, eventually, local businesses of South Holland, the Secure Residence Program was formed to bring back the sense of security victims had before this drastic change in their lives.

This in-home program helps residents deal with safety issues and provides reassurance, information and psychological support.

All residents who are victims of a burglary are advised of the Secure Residence Program by the investigating detective and is given contact information for Officer Kremski, Brian Smith and Thornton Township Crisis Counselors.

If the resident is interested in participating in the program, Officer Kremski will arrange an in-home meeting within 72 hours of the incident. At that time, he and Brian Smith will provide information on safe home practices to avoid residential burglary and other simple home protective measures.

Officer Kremski and Brian Smith will walk with the resident around the exterior of the home and provide safety suggestions that reflect the Crime Prevention Through Environmental Design principles. They will also walk-through the home and share suggestions to help secure the home, as well as explain how to make the home a "tough target."

Following the initial home visit, the Secure Residence Team will check back within three weeks to address any additional concerns.

The South Holland Police Department is committed to residential safety and security. This program is one of several resident offerings to support residents and their well being.

FLOOD

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.

LIBRARY



Chicago's Sweet Candy History

Tuesday, April 5th, 2:00-3:00 p.m.

At Holland Home - 16300 Lewis Avenue

Hosted by: Leslie Goddard

Call 708-331-5262 for details

Baby Ruth, Milk Duds, Juicy Fruit, Cracker Jack, Tootsie Roll, whatever your favorite candy may be, chances are it came from Chicago. Travel with us as we go through nearly 200 years of Chicago's candy history. What's your favorite?

Taking Care of Natural Hair

Tuesday, April 26th, 7:00-8:30 p.m.

South Holland Library North Meeting Room

Hosted by: Rachel Odem

Call 708-331-5262 to reserve your spot

If you're thinking about making the transition from processed here to wearing it natural, you might have a lot of questions. We will discuss how to make this transition, hair type, hair care routine, and more.

Cinco de Mayo Commemoration of the Battle of Puebla on May 5, 1862

Tuesday, May 3rd, 6:00-8:00 p.m.

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Join us in the celebration. If you want to provide a dish, sign up at the "Ask" desk.

SPORTS

SSC Coach Named to Hall of Fame

By Zachary Hughes

South Suburban College Coach Darrell Scott was recently selected for the NJCAA (National Junior College Athletic Association) Region IV Hall of Fame.

Coach Scott is a 1987 graduate of Grinnell College and is entering his 24th season of coaching women's basketball at South Suburban College. This is his first and only head coaching tenure in the women's ranks. His record is 450-298.

Scott's teams have made appearances at the national tournament in 2000, 2001, 2005, 2013 and 2015, have won regional championship five times, and have been region finalists four times. Coach Scott also has 12 NJCAA All-Americans under his tenure.

He was honored on Feb. 20 after the Lady Bulldogs took on Illinois Central.



Seton Girls in Top 4 at State

During the last five years, Seton has lost the Super Sectional Championship never advancing to the state finals. Well this year, the Lady Sting persevered and the girls took home the 4th place IHSA Class 1A Championship Title on Saturday, February 27, 2016 at the Redbird Arena at Illinois State University in Bloomington, Normal.

In addition to the championship win, the Lady Sting Basketball Team has won the following accolades this month:

- IHSA 2016 Girls Basketball Class 1A Super Sectional Championship title, February 23rd
- IHSA 2016 Girls Basketball Class 1A Sectional Championship title on February 18th
- IHSA 2016 Girls Basketball Class 1A Regional Championship title on February 11th
- The Girls Catholic Athletic Conference (GCAC) Championship title on February 6th

Order Your Rain Barrel

The Village of South Holland now offers rain barrels. As of July 2015, South Holland, like many other communities in Illinois, joined the free rain barrel program operated by the Metropolitan Water Reclamation District (MWRD). The program uses 55-gallon rain barrels made from repurposed, or upcycled, food barrels. Rain barrels are a type of green



infrastructure that capture rainwater from a roof and saves it to be used to wash cars, water the lawn, or to clean such things as work boots and tools. By collecting rain water in environmentally-friendly barrels, this initiative helps to prevent sewer overflows and flooding.

Rain water is naturally free of chlorine, lime and calcium. However, since the water is runoff from the roof, it is not good for human consumption – so do not drink it!

Here is basic information of the program:

- Barrels are free of charge to South Holland residents.
- Due to popular demand, there is a limit of two rain barrels per household.
- Place barrels near downspouts near the rear of property or backyard.
- Order rain barrels through South Holland's Public Works Department - 339-2323.

To learn more about the benefits of rain barrel use, visit MWRD online at www.rainbarrel.mwrdd.org.

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SOUTH HOLLAND HAPPENINGS

You're Invited for Coffee

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.

Stay Fit for Summer Fun

Looking to get fit while having fun, the South Holland Community Center offers a variety of exercise classes and fitness programs for the entire family.

In addition, the community center has new programs which include youth golf, aqua jogging and spinning.

Contact the South Holland Community Center at 708-331-2940 to register.

Juneteenth Celebration at Sand Ridge



Join us from 10 a.m. to 3 p.m. June 20 at the Sand Ridge Nature Center to celebrate freedom, family and country with an historical Underground Railroad program. Enjoy history displays, interactive interpretive hikes, traditional music, wild edibles, crafts, and much more. Event is FREE.

SHBA Golf Outing

The South Holland Business Association will hold its annual golf outing June 25 at Glenwoodie Golf Club in Glenwood to raise money for scholarships. If you are interested in sponsoring a hole or golfing, call 708-596-0065 or visit www.shba.org. Registration starts at 8:30 a.m. Practice your drive or putting at 7:30 a.m. Tee time is 9 a.m.

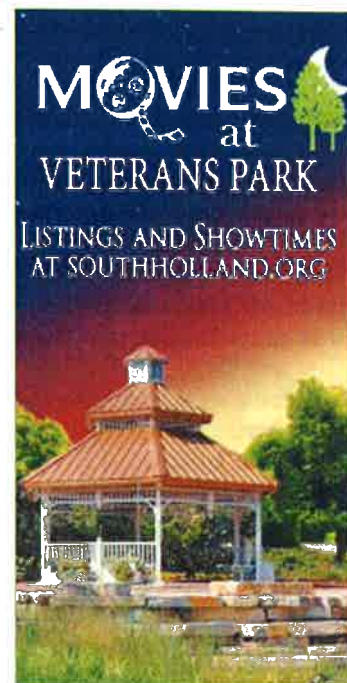
Town Center Marketplace

The village's version of a farmer's market will kick off Saturday, June 27, and run through Saturday, Oct. 3. The market will run from 9 a.m. to 2 p.m. at the northeast corner of 162nd Street (Route 6) and South Park Avenue.

Local vendors provide a diverse selection of locally grown fresh vegetables and fruits, garden plants and flowers, herbs and oils, organic nutritional supplements, fresh baked pies, jewelry, greeting cards, crafts, and more!

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 sessions at 7:00 p.m. Tuesday, July 30 and September 15, at the Community Center.



MOVIES IN THE PARK

Free movies will be shown on Saturday nights in June and July. Dates for family-friendly movies on the big screen at Veterans Park are June 27 and July 25. Concessions will be open throughout the movie. Remember to bring chairs and/or blankets!



Arbor Day celebrated

Wednesday, May 13, members of the South Holland Village Board and Administration conducted their annual observance of Arbor Day by planting a Royal Frost Birch tree in Veterans Memorial Park.

Shown at left, shovels in hand, are (l-r): Trustees Cindy Doorn-Nylen and Larry DeYoung, Clerk Dr. Sallie Penman, Mayor Don De Graff, and Trustees Prince Reed and John Sullivan.

New RESIDENTIAL CURBSIDE RECYCLING

The Village of South Holland is working with Republic Services to roll-out the new residential curbside recycling program. The program will not impact the normal garbage and yard waste schedule. It does, however, allow for residents to proactively participate in environmental-friendly recycling on a two week cycle (every other week) beginning the week of July 6. Here are important elements of the program that every resident needs to know:

New toters will be delivered throughout the community between June 22 and July 3. One new toter, all blue, is for trash; One new toter, powder blue lid (as pictured), is for recyclables. The first recycling week is July 6.

Republic Services will provide (attached to the toter) a pamphlet of information regarding the program, a color coded recycling map of South Holland, along with a "YARD WASTE" sticker (pictured below).

You may retain one (or both) of your current toters to use for yard waste or as an extra trash container.

**YARD
WASTE
ONLY**

If you decide to keep one of your current toters for yard waste, apply the red/white "YARD WASTE" sticker to the lid (as provided by Republic Services).

If you do not want your old toters, call Republic Services (708-385-8252) to schedule a pick-up.

New toters are of no additional cost. Residents who have recently paid the annual \$30 toter fee for an extra yard waste toter can contact Republic Services to inquire about a potential refund.

Your regular garbage and yard waste pickup schedule will not change (weekly). Recyclables will be picked up on a two week cycle (every other week).

Yard waste will continue to be picked up by Republic Services through our normal November 30 schedule. The yard waste toter may be used for garbage removal during the winter months.

A quick guide to acceptable recyclable materials is available online at www.southholland.org. You can also find it at Village Hall, South Holland Community Center and the South Holland Public Library.

Residents can email their questions about curbside recycling to toter.service@republicservices.com or call 708-385-8252.



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 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.

Mayor's Prayer Breakfast

On May 7, 2015, the South Holland Ministerial Association presented the Mayor's Prayer Breakfast in conjunction with the National Day of Prayer.

Roy Patterson, Station Manager for Moody Radio Chicago, served as guest speaker, while soloist Mary Huisman of King's Community

Church marveled the audience with her renditions of Christian praise and worship songs.

Rev. Mel DeVries, pictured at left, received the first-ever South Holland Ministerial Association *Mel DeVries Award for Faith and Service* to honor his longevity and service in the village.



Rev. Mel DeVries and Rev. Matt Waterstone



Mayor Don De Graff



Roy Patterson

2015 Student Government Night



South Holland eighth grade students conducted their version of a student government meeting Monday, May 18, at the South Holland Community Center.

Participating students, paired with a village official, presented well-crafted reports profiling the roles of village mayor, clerk, trustees, administrators, and department heads. Students included (pictured from left): Sidney Mathis, Calvary Academy; Ahmed Hill, Christ Our Savior; Cruz Ibarra, Calvary Academy; Arielle Stallworth, McKinley Junior High; Stedman Ihejirika, Coolidge Middle School; Kaila Thornton, Calvary Academy; Nayeli Munoz, Coolidge Middle School; Natalie Bivona, Calvin Christian; Jacobi Dorsey, McKinley Junior High; Isabelle Neibert, Calvin Christian; Jennifer Lockhart, McKinley Junior High; Charles Woodson, Calvin Christian; Michael Ogunfowokan, Christ Our Savior; Joshua Purnell, Calvin Christian; and Cheyenne Rios, Christ Our Savior.

PUBLIC WORKS

South Holland Recycles!

The South Holland Public Works Department is excited and proud to have successfully launched the village's recycling program.

By now, residents should have received their light blue top container and started their recycling journey.

Recycled materials are picked up every other week.

New Gazebo for Veterans Park

Veterans Park soon will have a new 38-foot gazebo on the north side of the park. This new structure for village residents to enjoy is fully funded by a state grant.



RECYCLING AT YOUR FINGER TIPS!

Recycling at your curb

Plastic	Glass	Metal	Cartons	Paper
YES: Bottles and jugs: • Water, soda and juice bottles • Milk and juice jugs • Ketchup and salad dressing bottles • Dishwashing liquid bottles and detergent jugs • Shampoo, soap and lotion bottles NO: • Styrofoam™ containers, peanuts or packing • Microwaveable food trays • Plastic wrap • Plastic toys • Motor oil bottles and other containers that hold hazardous products	YES: • Food and beverage bottles and jars NO: • Drinking glasses, ceramic dishes and vases • Window glass and mirrors NO: • Batteries or electronics • Hazardous or toxic product containers • Flower pots • Frozen food bags • Plastic and metal hangers • Light bulbs, drinking glasses, other glassware • Chip bags • Propane tanks	YES: • Food and beverage cans • Empty aerosol cans • Clean aluminum foil wrap and pans NO: • Hangers • Mirrors • Perfume bottles	YES: • Milk cartons • Juice boxes • Soup, broth and wine cartons • Take-out pizza boxes NO: • Paper soiled with food • Paper plates and cups • Paper napkins or towels • Gift wrap	YES: • Mail, office and school papers • Magazines and catalogs • Newspapers and inserts • Phone books • Shredded paper in closed paper bags • Boxes NO: • Paper soiled with food • Paper plates and cups • Paper napkins or towels • Gift wrap

Rain Barrel



During the July 20, 2015 meeting of the village board, trustees approved a resolution authorizing an intergovernmental agreement with Metropolitan Water Reclamation District to make rain barrels available to South Holland residents. The official program is expected to roll out in the very near future.

WHAT IS A RAIN BARREL?

A rain barrel is a type of water conservation tool used to capture rainwater from your roof and save it for when you need it to wash your car, water your lawn, or clean work boots and tools. Rain barrel water is naturally free of chlorine, lime, and calcium. However, since rain barrel water is runoff from your roof, never drink it!

WHERE SHOULD I PLACE THE RAIN BARREL?

Most homes can benefit from rain barrels. Areas of your yard that are unpaved or pervious ground near your downspouts are good locations for your rain barrels. Homeowners throughout Cook County have incorporated rain barrels into their yards with great results.

WHAT SIZE IS THE RAIN BARREL?

MWRD's rain barrels are 55-gallons and made using repurposed, or upcycled, food barrels.

ACQUIRING YOUR RAIN BARREL

Rain barrels will be free of charge for residents of municipalities currently enrolled in the MWRD's program. A village ordinance is currently under development. Additional details are expected to be released in a future edition of *South Holland TODAY*.



RECREATIONAL SERVICES



South Holland Athlete, Official Compete in Special Olympics

A Special Olympics Illinois athlete and coach were among the Illinois contingent at the 2015 Special Olympics World Summer Games in Los Angeles.

Miguel Castillo, a soccer player who attends Thornwood High School, was among the 481-member delegation representing the United States at the 2015 Special Olympics World Summer Games, held July 25-Aug. 2. **Tom Schell**, a bocce official, was one of six residents from Illinois who officiated at the Games.

Every two years, the world transcends the boundaries of geography, nationality, political philosophy, gender, age, culture and religion to come together for Special Olympics World Games. Alternating between summer and winter games, this event is the flagship event of the Special Olympics movement, which promotes equality, tolerance and acceptance through the power and joy of sport. This prominent world stage brings attention to the Special Olympics movement and the abilities of people with intellectual disabilities. Currently, nearly 5 million Special Olympics athletes train and compete year-round in 170 nations across the globe.

With an anticipated 30,000 volunteers and 500,000 spectators, the 2015 Special Olympics World Games was expected to be the largest sports and humanitarian event anywhere in the world in 2015, and the single biggest event in Los Angeles since the 1984 Olympic Games.

South Holland Community Center Inspiring Life Giving Art

By Ronda Williams

"I smile everyday on my way to work," says **Eric Stiles**, art instructor at the South Holland Community Center. "I truly enjoy pouring life lessons into my art students by helping them to see the possibilities of their talent through art expression."

Owner of StilesInk face painting and balloons, Stiles teaches drawing at the Community Center on Monday afternoons to students ages 6 to 15 years old. The popularity of the class has really appealed to girls who have an interest in expressing themselves through drawing.

Stiles' interest in drawing began in elementary school with childhood drawing competitions with friends who sketched images of cartoon characters and muscle men. Unwilling to be outdone by friends who could draw better, Stiles spent years through high school at Percy L. Julian and later at Columbia College to perfect his skill, taking classes in art design, digital, painting, multimedia, and more. Through this art form, Stiles learned lifelong skills of professional presentation, public speaking and most importantly self-confidence.

"I teach my students life lessons that to succeed you have to be assertive and able to take criticism as art is subjective and appeals to people's emotions," says Stiles. "Many of my art students are shy and use art to express themselves. We share our work, present our drawings in class and talk through what they're working on. These are skills they'll use in school and beyond."

The class is focused on pencil drawing but will soon include other media like colored pencils, water color and paint. Stiles incorporates discussions on art history, highlighting artists who made significant contributions to the art form.

County Opens New Campground in South Holland

The Forest Preserve District of Cook County opened a new campground this summer at Shabonna Woods in South Holland.

Now, individuals and families can camp overnight in a tent or in a cabin. The campgrounds offer tent pads, RV spaces and small and large cabins throughout the summer to give individuals of all ages, interests and backgrounds the chance to experience camping on forest preserve lands.

Fees vary by season and day, but range from \$30 for a



Shabonna Woods is located at 15810 S. Torrence Avenue, South Holland.

weekday tent pad to \$200 for a Saturday-night, 36-bed bunkhouse for Cook County residents. Non-residents will pay \$10 more per night.

The campground will have 24-hour staff and will be monitored with regular patrols by the Forest Preserves Police Department. Each site will feature new restrooms and shower facilities.

Camp Shabonna is open April through October.

To learn more about Camp Shabonna Woods, visit online at www.fpdcc.com.

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.

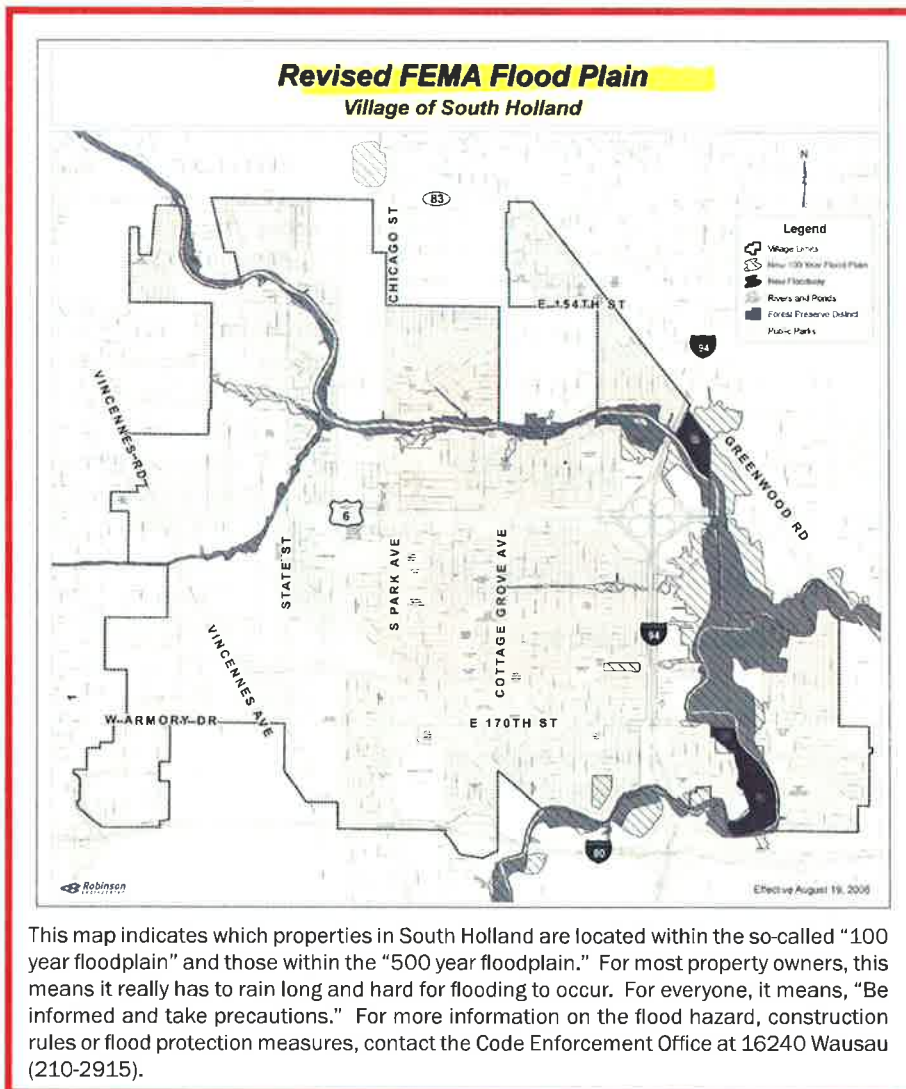
- **Always check with the Code Enforcement Office before you build on, alter, regrade, or put fill on your property.** A permit is needed to ensure that such projects do not cause problems on other properties.

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).

Education is a True Calling For Kevin McMillen

By Cindy Cruz



Christ Our Savior (COS) junior high teacher Kevin McMillen felt drawn to education at a young age.

"I played school with my younger brothers and sisters. When I was a little older, I gave guitar lessons to the kids in my neighborhood. When I finally had my own classroom, I felt like I had fulfilled my lifelong ambition," he said.

McMillen describes his teaching style as always evolving. It's a blend of using some traditional teaching methods and embracing the better aspects of newer trends and technology based learning. I want my students to "experience" learning, he said.

During the past two years, he created four new labs out of regular classrooms. The Discovery Lab is a science lab complete with lab tables, student aprons and goggles, and lab equipment. The Technology Lab has a Buzz

Lightyear theme and includes 25 new computers. SEA is the Student Enhanced Academic Lab that blends 25 computers with learning centers and a learning lab specialist. The Explore Room is McMillen's classroom. It has learning tables instead of desks and is the home of the Explore Zoo with over a dozen animals that are cared for by the junior high students.

In math class, students designed and created a scale model of a two-story house. They calculated the quantity and cost of all the materials needed to complete the house. Students studying astronomy compete in the Astronomy Olympics. They are divided into teams with each student becoming an expert on one planet. Students

compete as individuals and as part of a team.

McMillen's other ventures included creating a musical group called "Amanti Sauti" – a peaceful sound- to perform in church and at parish events. Students learn to play percussion, keyboards, vibraphone, and electric bass. He also started a hand bell

choir with the girls in the seventh-grade. They perform at the Christmas concert and at school masses.

He enjoys using technology in his math and science classes. In math, student instruction is enhanced by online math programs with individualized tutoring. His students are constantly challenged and work at a pace customized for them.

"The science class utilizes student reporting from creating PowerPoint presentations on a human disease or a specific species of shark to researching a natural disaster and publishing a newspaper as if it were the day after an earthquake, volcanic eruption, or a tsunami," he said.

Calumet City. Their daughter Katie is an education major and is student teaching in Valparaiso, Ind.

He was hired to teach computers at COS when it first opened in 2004. McMillen taught all grades and was later asked to again teach science and math as he had done for 23 years at previous schools.

"We have many wonderful families that are supportive of the school. Our principal, Karen Brodzik, is a dedicated educator who inspires others with her hard work," he said.

In the future, McMillen would like to conduct an archaeological dig with the students. He has collected animal bones, Indian arrowheads and other objects and hopes to parcel off a section of grass in the school parking lot and bury the items. This project would allow students to unearth and discover the buried artifacts. He wants them to experience how to keep accurate records and interpret how the location and condition of an object can tell the story of its past.

His advice for someone considering a career in education is to be flexible and open to change. "Keep your focus on the students in your class. My mantra has always been, 'How can I help this child?'"

McMillen received his bachelor's degree from the University of Illinois in Champagne/Urbana and completed his graduate work in Education at Calumet College of St. Joseph. He began teaching in the Chicago Archdiocese in 1981. His wife, Joan, is a teacher at Lincoln School in

'Keep your focus on the students in your class. My mantra has always been, How can I help this child?'

– Kevin McMillen

PUBLIC WORKS GREEN INITIATIVES

Rain Barrels

Coming Soon!

The Village of South Holland continues to make contributions to the nation's green initiatives with the addition of rain barrels. As of July 2015, South Holland, like many other communities in Illinois, joined the free rain barrel program operated by the Metropolitan Water Reclamation District (MWRD). The program uses 55-gallon rain barrels made from repurposed, or upcycled, food barrels. Rain barrels are a type of green infrastructure that capture rainwater from a roof and saves it to be used to wash cars, water the lawn, or to clean such things as work boots and tools. By collecting rain water in environmentally-friendly barrels, this initiative helps to prevent sewer overflows and flooding.

Rain water is naturally free of chlorine, lime and calcium. However, since the water is runoff from the roof, it is not good for human consumption – so do not drink it!

Here is basic information of the program:

- Barrels are free of charge to South Holland residents.
- Due to popular demand, there is a limit of two rain barrels per household.
- Place barrels near downspouts near the rear of property or backyard.
- Order rain barrels through South Holland's Public Works Department - 339-2323.



To learn more about the benefits of rain barrel use, visit MWRD online at www.rainbarrel.mwr.org.

Last Day For Branch Pick Up is October 30th

The last day for branch pickup in South Holland will be Oct. 30, according to Public Works Director George Gunkel.

Yard waste will be picked up until Nov. 30, at which time the containers can be used for regular garbage use through the winter months.

Curbside Recycling

South Holland is a few months into curbside recycling. The village board and administration appreciates residents' participation and encourages all to continue this effort of supporting the environment.

Benefits of recycling:

- Reduces the amount of waste sent to landfills and incinerators;
- Conserves natural resources such as timber, water, and minerals;
- Prevents pollution by reducing the need to collect new raw materials;
- Saves energy;
- Reduces greenhouse gas emissions that contribute to global climate change;
- Helps sustain the environment for future generations;
- Helps create new well-paying jobs in the recycling and manufacturing industries in the United States.

In case you have questions about what is (or is not) recyclable, cut out this handy "Recycling at your Fingertips" sheet and post on the fridge.

RECYCLING AT YOUR FINGER TIPS!

Recycling at your curb

Plastic	Glass	Metal	Cartons	Paper
<p>YES:</p> <ul style="list-style-type: none"> • Bottles and jugs: <ul style="list-style-type: none"> • Water, soda and juice bottles • Milk and juice jugs • Ketchup and salad dressing bottles • Dishwashing liquid bottles and detergent jugs • Shampoo, soap and lotion bottles <p>NO:</p> <ul style="list-style-type: none"> • Styrofoam™ containers, peanuts or packing • Microwaveable food trays • Plastic wrap • Plastic toys • Motor oil bottles and other containers that held hazardous products 	<p>YES:</p> <ul style="list-style-type: none"> • Food and beverage bottles and jers <p>NO:</p> <ul style="list-style-type: none"> • Drinking glasses, ceramic dishes and vases • Window glass and mirrors 	<p>YES:</p> <ul style="list-style-type: none"> • Food and beverage cans • Empty aerosol cans • Clean aluminum foil wrap and pans 	<p>YES:</p> <ul style="list-style-type: none"> • Milk cartons • Juice boxes • Soup, broth and wine cartons • Take-out pizza boxes 	<p>YES:</p> <ul style="list-style-type: none"> • Mail, office and school papers • Magazines and catalogs • Newspapers and inserts • Phone books • Shredded paper in closed paper bags • Boxes <p>NO:</p> <ul style="list-style-type: none"> • Paper soiled with food • Paper plates and cups • Paper napkins or towels • Gift wrap

NO:

- Batteries or electronics
- Hazardous or toxic product containers
- Flower pots
- Frozen food bags
- Plastic and metal hangers
- Light bulbs, drinking glasses, other glassware
- Chip bags
- Propane tanks

RECREATIONAL SERVICES



Navy Band to Highlight Military Tribute

The Great Lakes Naval Station Ceremonial Band will be the special guest at the Community Holiday Gala: A Military Tribute luncheon on Wednesday, Nov. 4, at the Community Center, 501 East 170th Street.

Doors will open at 10:30 a.m. with lunch served at 11:30 a.m.

Registration is required in person by Oct. 30. All ages are welcome. Cost for lunch is \$10 per person.

Immediately following the luncheon is a performance by the Great Lakes Naval Station Ceremonial Band. This performance is free and expected to begin at noon. Like the luncheon, pre-registration to attend the Naval Station band performance is required by October 30.

Guests are asked to please bring a toy for the South Holland Fire Department's annual Toy Drive.



Mayor Don A. De Graff,
Clerk Dr. Sallie D. Penman &
the Village of South Holland Board of Trustees
present

MLK DAY PROGRAM

REV. CAROLYN MCKINSTRY

Guest Speaker

January 16, 2016

10:00 AM

Covenant United Church of Christ
1130 E. 154th Street
South Holland, IL

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			
9.4		Little Calumet at Eastern Vlg. limit	596.2	599.5	602.6
8.0		Little Calumet at 159th	595.0	598.7	601.8
6.8		Little Calumet at Cottage Grove	595.0	598.5	601.8
5.9		Little Calumet at Calumet Union Ditch	594.4	598.0	601.5
4.4		Little Calumet at Western Vlg. limit	593.8	597.4	601.2
		Cal Union Ditch at Grand Trunk RR	591.7	595.6	600.2
			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.

PEACE CHRISTIAN REFORMED CHURCH

Celebrates 50 Years

Peace Christian Reformed Church in South Holland is celebrating two events this fall. The church will celebrate its Golden 50th Anniversary in November and the church welcomed its new pastor in August.

"We are a diverse community of families reconciled to God through the work of Jesus Christ on the cross," said new Pastor Glen McCarthy in a message on the church's website. "We acknowledge Jesus as Lord over our lives and all of creation as we seek to honor him through faithful obedience to His Word.

"We invite you to join us in worshipping God, following Christ as our example and Lord, and doing good works with the Holy Spirit as our guide."

McCarthy, his wife Briana and children Cainan and Cai, were welcomed to the church on Sunday, Aug. 23.

The church was founded in 1965 "As the church celebrates 50 years of ministry, we are so grateful to God for sustaining us as a community and look forward to what he will do through us for His glory in years to come."

The church is part of the Christian Reformed Church and offers several ministries, including:

KFC (Kids For Christ) is the middle school youth group. It meets every other Sunday night during the school year. KFC is a wonderful environment for young adults to hang out, get to know one another, and grow in their faith.

Peace MOPS invites all mother of preschoolers, infant through kindergarten, to join us in the fall for our new season. MOPS is a unique program designed to meet the needs of

moms and their children. It is a chance to meet other moms, listen to and discuss relevant topics, create new crafts, and enjoy refreshments while your children enjoy a structured program of their own called MOPPETS. We generally meet on the 2nd & 4th Wednesday mornings of each month.

The philosophy of **WyldLife** is the same as Young Life's has always been — introducing adolescents to Jesus Christ and helping them to grow in their faith. WyldLife clubs are a practiced art form. They are high energy and interactive, fast paced and unpredictable. Leaders use personal testimonies, media clips, popular songs and a lot of creativity when planning the club format.

Coffee Break is a weekly women's Bible study and fellowship group. All study materials are provided and no previous knowledge of the Bible is necessary.

Soul Food is a ministry outreach to people within the congregation and the community. This group meets approximately twice per month to cook together, providing food for those who need it or want to share it. We'll support each other in fellowship and prayer while delicious things cook or bake. Take a meal to someone you'd like to meet, someone you'd like to invite to church, a neighbor or a friend!

Catechism Classes are where 6th through 12th grade kids learn about Christian doctrine.

To learn more about Peace Christian Reformed Church, call 331-7755



LOCAL NEWS

Thornton Reservoir Ready to Help Reduce Flooding Concerns

By Bob Bong



The Thornton Composite Reservoir, known to Chicago residents as the “Grand Canyon of the South Suburbs,” will help alleviate flooding concerns for residents in South Holland and other south suburbs through improved storm water protection and water quality.

U.S. Sen. Dick Durbin, the U.S. Environmental Protection Agency, the U.S. Army Corps of Engineers and other stakeholders joined the Metropolitan Water Reclamation District of Greater Chicago (MWRD) to cut the ribbon in September for the nearly \$450 million facility, which will officially come online by the end of the year.

The Thornton Reservoir is a key component of the MWRD’s Tunnel and Reservoir Plan known as TARP. It is one of the largest water infrastructure projects in the world. TARP is designed to protect Lake Michigan, the region’s primary source of drinking water. It will also protect against combined sewer overflows (CSOs) as well as overland and basement flooding.

The firm of Black & Veatch performed heavy infrastructure tunneling and engineering at Thornton reservoir. The company contributed innovations in grouting practices in the design and construction of the reservoir.

TARP has significantly improved the quality of life for people living and working in the area. Previously, sewage-laced floodwater often inundated residential properties after heavy rains. Additionally, moving that water to the reservoir will lessen the need to release sewage into Lake Michigan when rains overwhelm the area’s storm sewers. Thornton Reservoir will provide an additional 7.9 billion gallons of storage for capture and treatment of CSOs and floodwaters.

“In past years, that polluted, untreated water would enter our waterways or worse, our basements,” said MWRD President Mariyana Spyropoulos. “Because of TARP, combined sewer overflows have been drastically reduced, and the addition of Thornton reservoir will again lead to more water quality improvements upstream.”

“Other cities beset by chronic combined sewer overflows and flooding will look to this system as a model,” said Mike Orth, Executive Managing Director for the Americas in Black & Veatch’s water business. “We are proud to take part in helping the MWRD provide this vital water quality and flood protection to and for the people in and around Chicago.”



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Village Of South Holland > Departments > Flood Assistance

Departments

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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

Flood Assistance

- [Flood Assistance](#)
- [Floodplain Management Plan](#)
- [Flood Articles](#)
- [Flood Protection](#)
- [Little Calumet River Flood Levels](#)
- [FEMA Flood Protection Library](#)
- [Keeping Your Home Out Of Deep Trouble](#)
- [Sewer Backup Prevention Pilot Program](#)
- [Elevation Certificates](#)

Flood Articles

- [Floodproofing](#)

Public Works

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

Recreational Services

Qualifying Projects:

Personnel Services

- 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/>

Flood Insurance

Code Enforcement
Answers

Floodplain Functions

Village Regulations

Why Flooding Occurs

Flood Hazard Map of
South Holland

Flood Protection

Our Flooding
Problems

Floodplain Map

What the Village is
Doing

Flood Safety

Flood Damage

Where to Start

Protect Your House

Basements

Sewer Backup

Flood Protection Laws

Flood Insurance

During A Flood

After A Flood

Protecting Our
Streams

- 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.

Village Of South Holland - 16226 Wausau Avenue, South Holland, IL 60473 - (708) 210-2900
 Hours of Operation: Monday - Friday: 8:00am to 5:00pm, Saturday: 8:00am to 12:00pm, Closed Sundays
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Floodplain Management Plan

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

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[9 - Action Plan](#)

[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

Flood Assistance

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[Public Works](#)

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

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Village Of South Holland > Departments > Flood Assistance > Flood Articles

Departments

Flood Articles

Flood Assistance

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

Community Connections

Code Enforcement Office Answers Common Flood Questions

E.S.D.A

The Natural and Beneficial Functions of the Floodplains

Economic Development

Village Regulations Protect You From Flooding

Fire Department

Why Flooding Sometimes Occurs in South Holland

Flood Assistance

Flood Hazard Map of the Village of South Holland

Police Department

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Public Library

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Village Of South Holland > Departments > Flood Assistance > Flood Protection

Departments

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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](#)

Flood Assistance

[Flood Assistance](#)

[Floodplain Management Plan](#)

[Flood Articles](#)

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[Little Calumet River Flood Levels](#)

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[Keeping Your Home Out Of Deep Trouble](#)

[Sewer Backup Prevention Pilot Program](#)

[Elevation Certificates](#)

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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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Village Of South Holland > Departments > Flood Assistance > Keeping Your Home Out Of Deep Trouble

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Clerk & Collector

Public Relations & Marke

Community Connections

E.S.D.A

Economic Development

Fire Department

Flood Assistance

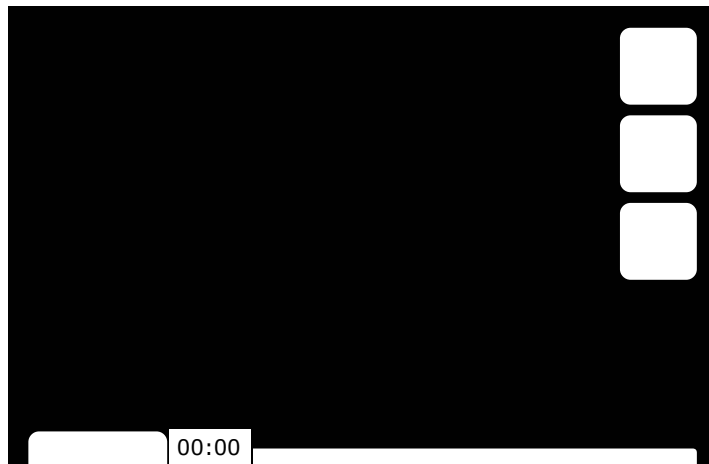
Police Department

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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FEMA Flood Protection Library

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Sewer Backup Prevention Pilot Program

Elevation Certificates

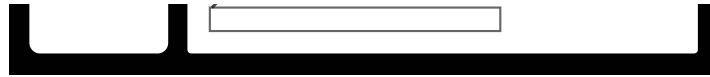
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Village Of South Holland > Residents > Flood Monitoring Resources

Residents

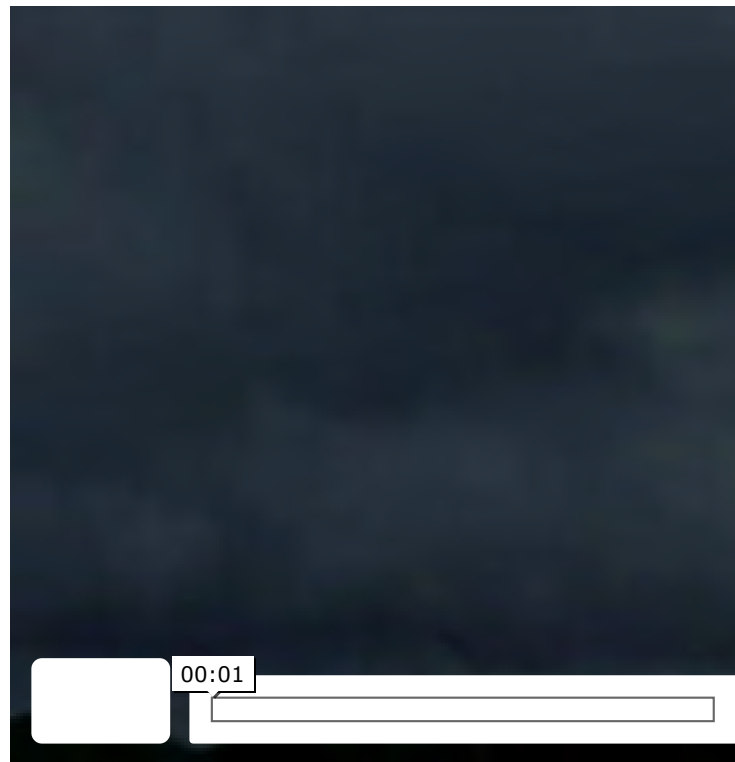
- [Discover South Holland](#)
- [Download the Village App](#)
- [The Future Of South Holland](#)

Quick Links

- [Register for Fall Program: Activities](#)
- [South Holland Today](#)
- [Village Board Meeting](#)
- [Pay Your Water Bill or a Tax](#)
- [Residential Alarm Permit](#)
- [Register for a Block Party Events](#)
- [Employment Opportunities](#)
- [Community Connections \(COC\)](#)
- [CodeRED Notifications](#)

Flood Monitoring Resources

South Holland Weather Information and River Gauges



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- [Sewer Backup Prevention Pilot Program](#)
- [Elevation Certificates](#)

Flood Articles

[Floodproofing](#)

Produced by The Joint Flood Awareness Task Force.
This video will give you an idea of what to expect with
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South Holland is one of the few communities in the
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South Holland Today

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Village Of South Holland > Departments > Public Works > Electronic Waste Disposal Sites

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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

[Public Works Overview](#)

[Parks](#)

[Residential Waste Pick-Up Guidelines](#)

[Recycling Drop-Off Locations](#)

[Electronic Waste Disposal Sites](#)

[Branch Pick-Up Policy](#)

[Hazardous Waste Collection](#)

[IEPA Annual Facility Inspection](#)

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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<http://www.southholland.org/departments/public-works/iepa-annual-facility-inspection/>

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IEPA Annual Facility Inspection

The Village of South Holland is committed to the National Pollutant Discharge Elimination System (NPDES) Storm Water Permit Program and the Municipal Separate Storm Sewer (MS4) Program that are overseen by the Illinois Environmental Protection Agency (IEPA). These programs are targeted to improve water quality in the community.

The Village has established a Storm Water Management Program, which incorporates best management practices adopted by the Environmental Protection Agency (EPA). The following documents provide the most recent Reports and Permits for this program:

- [Notice of Intent for Renewal of General Permit for Discharges from MS4s](#)
- [Village of South Holland MS4 Annual Report for 2014](#)
- [Village of South Holland Storm Water Management Program](#)

Public Works

- [Public Works Overview](#)
- [Parks](#)
- [Residential Waste Pick-Up Guidelines](#)
- [Recycling Drop-Off Locations](#)
- [Electronic Waste Disposal Sites](#)
- [Searchable MS4 Data](#)
- [Hazardous Waste Collection](#)
- [IEPA Annual Facility Inspection](#)

Director
George Gunkel

Deputy Director
Arnold M. Johnson

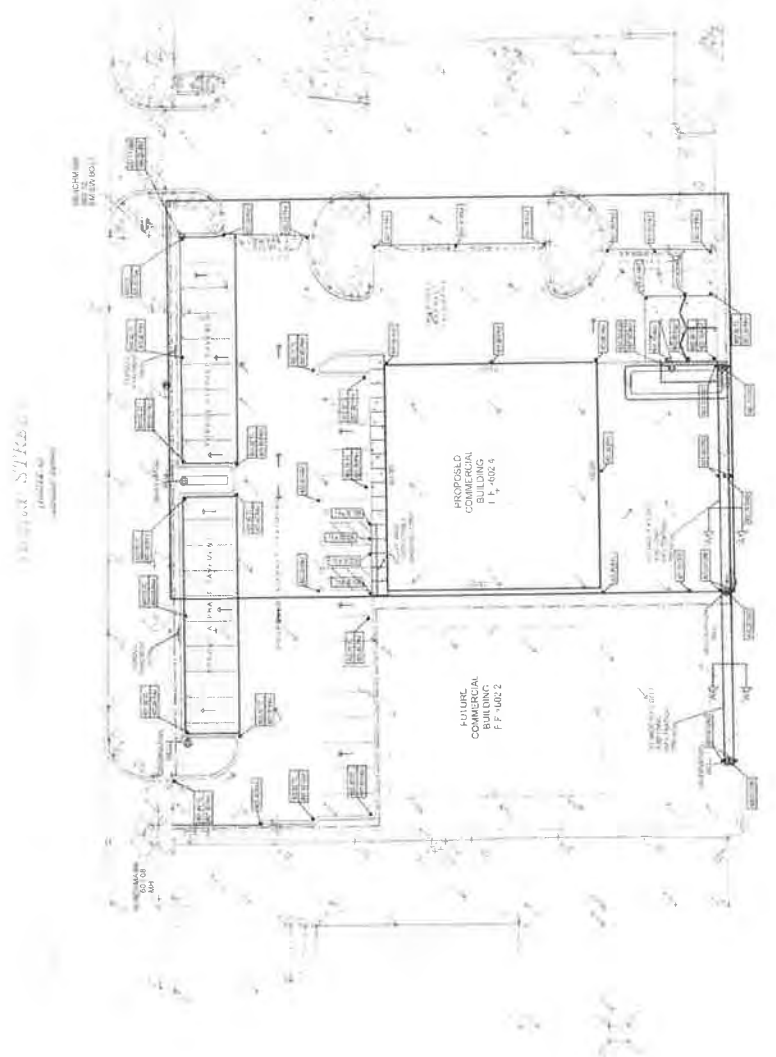
16226 Wausau Avenue
South Holland, IL 60473

Main: 708-338-2323
Fax: 708-331-4637
Emergency: 911

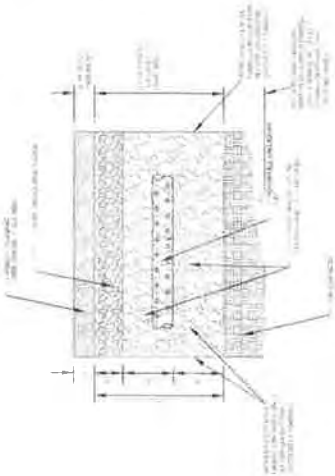
Departments

- [Building and Code Department](#)
- [Chief & Collector](#)
- [Public Relations & Marketing](#)
- [Community Connections Channel](#)
- [E.S.O.A.](#)
- [Economic Development](#)
- [Fire Department](#)
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- [Police Department](#)
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- [Recreational Services](#)

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SECTION "A-A"



POROUS H.M.A. PAVEMENT DETAIL



ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL
1	INFILTRATION TRENCH (SOUTH)	735	CU FT	1.16	852.90
2	BIOSWALE (SOUTH)	735	CU FT	1.16	852.90
3	POROUS PAVEMENT	735	CU FT	1.16	852.90
4	CA-7 STONE	735	CU FT	1.16	852.90
5	1/2" AGGREGATE	735	CU FT	1.16	852.90
6	1/2" AGGREGATE	735	CU FT	1.16	852.90
7	1/2" AGGREGATE	735	CU FT	1.16	852.90
8	1/2" AGGREGATE	735	CU FT	1.16	852.90
9	1/2" AGGREGATE	735	CU FT	1.16	852.90
10	1/2" AGGREGATE	735	CU FT	1.16	852.90
11	1/2" AGGREGATE	735	CU FT	1.16	852.90
12	1/2" AGGREGATE	735	CU FT	1.16	852.90
13	1/2" AGGREGATE	735	CU FT	1.16	852.90
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96	1/2" AGGREGATE	735	CU FT	1.16	852.90
97	1/2" AGGREGATE	735	CU FT	1.16	852.90
98	1/2" AGGREGATE	735	CU FT	1.16	852.90
99	1/2" AGGREGATE	735	CU FT	1.16	852.90
100	1/2" AGGREGATE	735	CU FT	1.16	852.90

INFILTRATION TRENCH (SOUTH) 735 CU FT
 BIOSWALE (SOUTH) 735 CU FT
 POROUS PAVEMENT 735 CU FT
 CA-7 STONE 735 CU FT
 1/2" AGGREGATE 735 CU FT
 0.084 AC FT

NOTES:
 1. PERFORM PERMITS AND OBTAIN NECESSARY APPROVALS FROM ALL APPLICABLE AGENCIES.
 2. VERIFY ALL DIMENSIONS AND LOCATIONS OF INFILTRATION TRENCHES AND BIOSWALES.
 3. VERIFY ALL DIMENSIONS AND LOCATIONS OF INFILTRATION TRENCHES AND BIOSWALES.
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 10. VERIFY ALL DIMENSIONS AND LOCATIONS OF INFILTRATION TRENCHES AND BIOSWALES.

INFILTRATION TRENCH DETAIL

Storm Water Pollution Prevention Plan (SWPPP)

1. The following plan is to be submitted to the City of South Holland, Illinois, for review and approval. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate agencies. The contractor shall be responsible for implementing and maintaining the SWPPP throughout the duration of the project. The contractor shall be responsible for providing a copy of the SWPPP to the City of South Holland, Illinois, upon completion of the project.

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INSPECTION AND MAINTENANCE PLAN FOR STORMWATER MANAGEMENT STRUCTURES (SMPs)

Structure	Inspection Frequency	Maintenance Frequency	Responsible Party
Manhole	Quarterly	As needed	Contractor
Stormwater Inlet	Quarterly	As needed	Contractor
Stormwater Outlet	Quarterly	As needed	Contractor
Stormwater Basin	Quarterly	As needed	Contractor
Stormwater Filter	Quarterly	As needed	Contractor
Stormwater Detention Basin	Quarterly	As needed	Contractor
Stormwater Storage Basin	Quarterly	As needed	Contractor
Stormwater Treatment Basin	Quarterly	As needed	Contractor

INSPECTION AND MAINTENANCE PLAN FOR DUALIFIED SEWER CONSTRUCTION

1. The contractor shall be responsible for implementing and maintaining the SWPPP throughout the duration of the project. The contractor shall be responsible for providing a copy of the SWPPP to the City of South Holland, Illinois, upon completion of the project. The contractor shall be responsible for implementing and maintaining the SWPPP throughout the duration of the project. The contractor shall be responsible for providing a copy of the SWPPP to the City of South Holland, Illinois, upon completion of the project.

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STORM WATER POLLUTION PREVENTION PLAN

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Structure	Inspection Frequency	Maintenance Frequency	Responsible Party
Manhole	Quarterly	As needed	Contractor
Stormwater Inlet	Quarterly	As needed	Contractor
Stormwater Outlet	Quarterly	As needed	Contractor
Stormwater Basin	Quarterly	As needed	Contractor
Stormwater Filter	Quarterly	As needed	Contractor
Stormwater Detention Basin	Quarterly	As needed	Contractor
Stormwater Storage Basin	Quarterly	As needed	Contractor
Stormwater Treatment Basin	Quarterly	As needed	Contractor

INSPECTION AND MAINTENANCE PLAN FOR DUALIFIED SEWER CONSTRUCTION

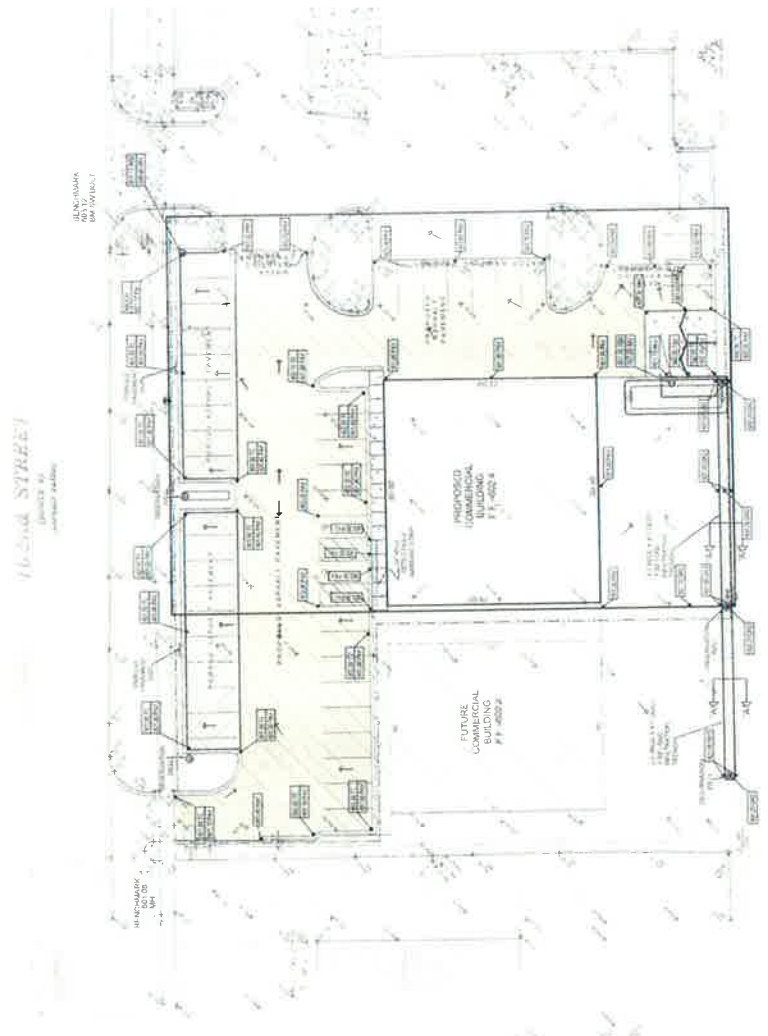
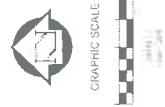
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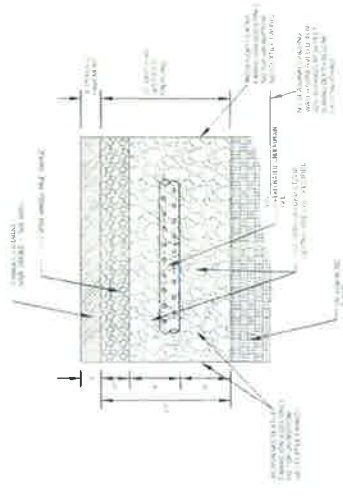
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- LEGEND**
- PREVIOUS AREAS (0.270 ACRES) (1" 7.5' S.F.)
 - NEW IMPERVIOUS AREAS (0.715 ACRES) (1" 128 S.F.)
 - VOLUME CONTROL AREAS (311,099 S.F. @ 0.200 AC FT. REQUIRED) (288 S.F./1000 AC FT. IMPROVED)
 - PROPOSED ASPHALT PAVEMENT AREAS
 - PROPOSED ONLY "E" PAVEMENT AREAS
 - TOTAL PROJECT AREA = 108 ACRES (1" 17)



POROUS H.M.A. PAVEMENT DETAIL



INFILTRATION TRENCH (SOUTH) 758 CU FT
BIGDOWLE (SOUTH) 1283 CU FT
POROUS PAVEMENT 3014 AC FT

INFILTRATION TRENCH (SOUTH)	PERVIOUS AREAS (0.270 ACRES)	NEW IMPERVIOUS AREAS (0.715 ACRES)	VOLUME CONTROL AREAS (311,099 S.F.)	PROPOSED ASPHALT PAVEMENT AREAS	PROPOSED ONLY "E" PAVEMENT AREAS	TOTAL PROJECT AREA
758	107	288	311,099	1,283	3,014	7,765
758	107	288	311,099	1,283	3,014	7,765

NOTE: 1. REBAR TO BE PLACED IN ALL NEW CONCRETE SLABS AND PERVIOUS AREAS TO BE PLACED IN ALL NEW CONCRETE SLABS TO PREVENT FROM ROADWAY GAINS. 2. REBAR TO BE PLACED IN ALL NEW CONCRETE SLABS TO PREVENT FROM ROADWAY GAINS. 3. REBAR TO BE PLACED IN ALL NEW CONCRETE SLABS TO PREVENT FROM ROADWAY GAINS. 4. REBAR TO BE PLACED IN ALL NEW CONCRETE SLABS TO PREVENT FROM ROADWAY GAINS. 5. REBAR TO BE PLACED IN ALL NEW CONCRETE SLABS TO PREVENT FROM ROADWAY GAINS. 6. REBAR TO BE PLACED IN ALL NEW CONCRETE SLABS TO PREVENT FROM ROADWAY GAINS. 7. REBAR TO BE PLACED IN ALL NEW CONCRETE SLABS TO PREVENT FROM ROADWAY GAINS. 8. REBAR TO BE PLACED IN ALL NEW CONCRETE SLABS TO PREVENT FROM ROADWAY GAINS. 9. REBAR TO BE PLACED IN ALL NEW CONCRETE SLABS TO PREVENT FROM ROADWAY GAINS. 10. REBAR TO BE PLACED IN ALL NEW CONCRETE SLABS TO PREVENT FROM ROADWAY GAINS.

INFILTRATION TRENCH DETAIL

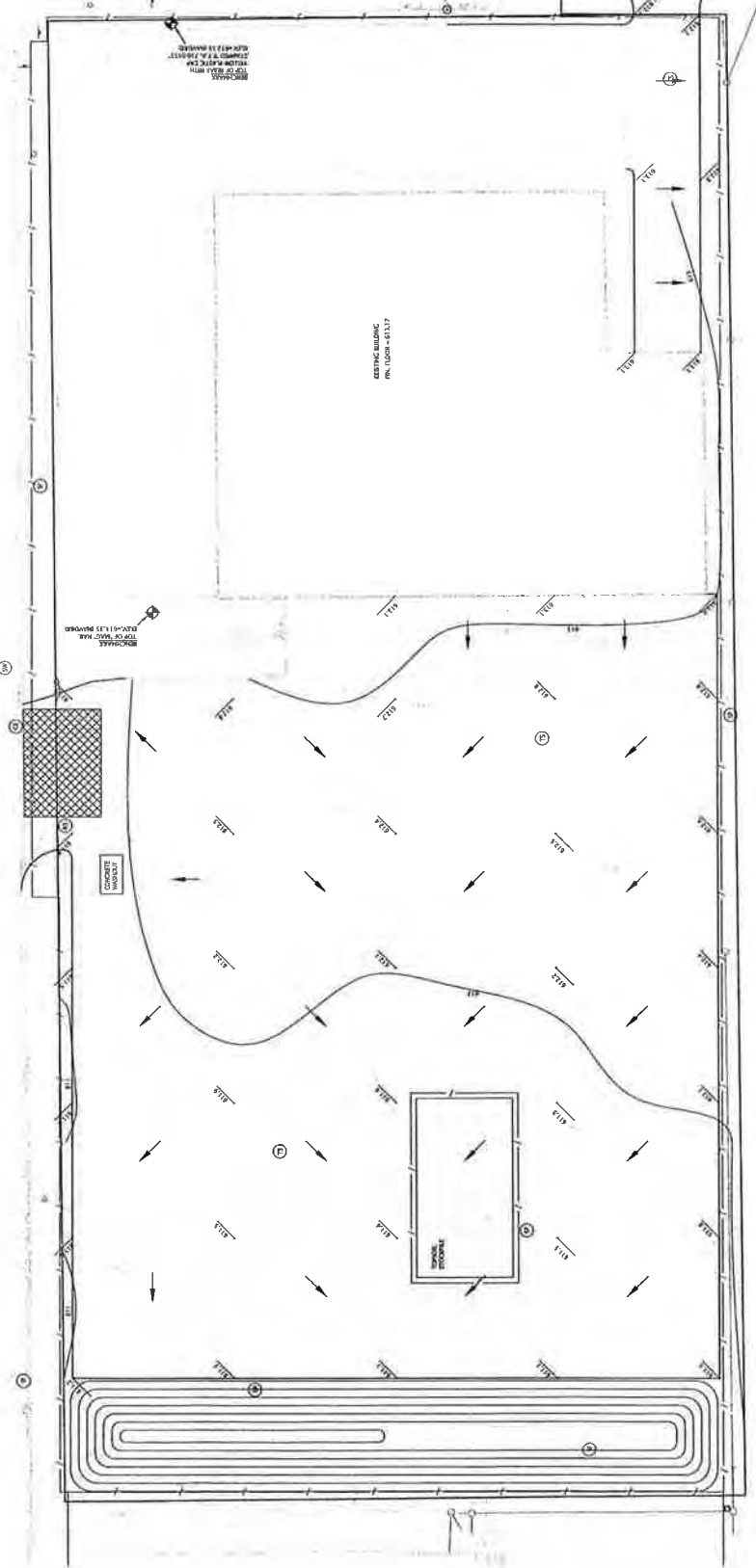
GRADING PLAN AND SHORTRUN LEGEND

- ① TEMPORARY CONSTRUCTION DRAINAGE
- ② SLOPE NUMBER INDICATIONS
- ③ CONTOUR ELEVATIONS
- ④ EXISTING GRADE
- ⑤ PROPOSED GRADE
- ⑥ CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE 2015 ILLINOIS CONSTRUCTION STANDARDS SPECIFICATIONS AND THE ILLINOIS CONSTRUCTION STANDARDS SPECIFICATIONS TO THE ILLINOIS CONSTRUCTION STANDARDS SPECIFICATIONS

- ⑦ POTENTIAL ENVIRONMENTAL SENSITIVE AREAS AND PERMITTED USES
- ⑧ 100' BUFFER ZONE
- ⑨ 50' BUFFER ZONE
- ⑩ BUFFER CONTROL ELEMENT - NORTH AND SOUTH SIDES AT 15' BUFFER DISTANCE

WALLACE AVENUE

W. 172ND STREET



Eagle Express Lines
715 W. 172nd Street
South Holland, IL

REVIEW SET
NOT FOR CONSTRUCTION



NO.	REVISION	DATE

600 W. 172nd Street Site
South Holland, IL
GRADING PLAN & STORM WATER
POLLUTION PREVENTION PLAN

SCALE: 1" = 30' 0"
DATE: 12/15/21
SHEET NO.: 114

C103

SITE DEVELOPMENT, COMMON EXCAVATION AND EARTHWORK GENERAL SPECIFICATIONS

- 1.0 Quality Assurance:
 - 1.1 The City of South Holland, Department of Public Works, Engineering and Surveying Division, shall be the Construction Manager. Architects, Engineers and Testing Laboratory members who common inspection and work shall be provided with the necessary information to perform their duties. All work shall be inspected and approved by the Construction Manager before any work is started.
 - 1.2 The Contractor shall provide all necessary information to the Construction Manager for the purpose of conducting inspections and testing of common excavation work.
 - 1.3 The Contractor shall provide all necessary information to the Construction Manager for the purpose of conducting inspections and testing of common excavation work.
 - 1.4 The Contractor shall provide all necessary information to the Construction Manager for the purpose of conducting inspections and testing of common excavation work.

- 2.0 Excavation:
 - 2.1 The Contractor shall excavate to the required depth and width as shown on the plans. The Contractor shall excavate to the required depth and width as shown on the plans. The Contractor shall excavate to the required depth and width as shown on the plans.
 - 2.2 The Contractor shall excavate to the required depth and width as shown on the plans. The Contractor shall excavate to the required depth and width as shown on the plans. The Contractor shall excavate to the required depth and width as shown on the plans.
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- 3.0 Special Weather Protection:
 - 3.1 The Contractor shall provide all necessary information to the Construction Manager for the purpose of conducting inspections and testing of common excavation work.
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- 4.0 Erosion Control:
 - 4.1 The Contractor shall provide all necessary information to the Construction Manager for the purpose of conducting inspections and testing of common excavation work.
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- 5.0 Storm Water Pollution Prevention:
 - 5.1 The Contractor shall provide all necessary information to the Construction Manager for the purpose of conducting inspections and testing of common excavation work.
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- 6.0 Storm Water Pollution Prevention:
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- 7.0 Storm Water Pollution Prevention:
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- 8.0 Storm Water Pollution Prevention:
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GENERAL NOTES

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STORM WATER POLLUTION PREVENTION PLAN (S.W.P.P.) NOTES

1. The site contractor shall provide erosion control measures in accordance with the storm water pollution prevention plan (S.W.P.P.) during construction.
2. The contractor is responsible for any damage and/or clearing to the structure or feature. Corrective work incurred by the contractor shall be considered incidental to the contract.
3. The contractor is responsible for compliance with the S.W.P.P. Any items or activities not covered by the S.W.P.P. shall be considered incidental to the contract and shall not be considered an addition to the original contract.
4. Local enforcement of the S.W.P.P. may require additional erosion control measures to be installed during the construction process. The contractor shall be responsible for the cost of such measures. Corrective work and maintenance shall be considered incidental to the contract.
5. The site contractor shall install the construction controls, post the necessary environmental permits, and maintain the controls in place until the construction is complete. See drawing plan for location of sign.
6. The contractor shall create diversion swales during soil stripping activities. The contractor shall install ditch checks during soil stripping activities so that all the runoff passes through an erosion control measure prior to the site.
7. The contractor shall provide all necessary information to the Construction Manager for the purpose of conducting inspections and testing of common excavation work.
8. Upon completion of the storm water system, the protection shall be installed, check dams shall be installed in any areas, and temporary rip-rap with settling basins shall be placed at the outfalls of all pipes.
9. When floor mats are used around a yard drain, they shall be placed in a ring around the structure. Yard drains shall be installed in a ring around the structure. Yard drains shall be installed in a ring around the structure.



DVG Inc.
Professional Engineering
South Holland, IL

**REVIEW SET
NOT FOR CONSTRUCTION**

Eagle Express Lines
715 W. 172nd Street
South Holland, IL

CONSTRUCTION DETAILS

600 W. 172nd Street Site
South Holland, IL

C201

DATE: 12-23-14
DRAWN: J. SMITH
CHECKED: J. SMITH

GENERAL STORMWATER MANAGEMENT NOTES

Self-cleaning and sedimentation tanks shall prevent sedimentation of sand and silt and prevent erosion control shall be in accordance with Town of Harrisburg Storm Water Ordinance & Storm Water Technical Manual & "The Indiana Storm Water Quality Manual"

There are two main sources for storm water quality. Construction Site Sedimentation Control and Storm Water Pollution Prevention. The contractor shall be responsible for maintaining the conditions with the Stormwater Management Ordinance and all other applicable laws and regulations. The contractor shall also be responsible for maintaining the conditions with the Stormwater Management Ordinance and all other applicable laws and regulations.

Each Construction Site Sedimentation Control measure shall be installed in accordance with the Stormwater Management Ordinance and all other applicable laws and regulations. The contractor shall be responsible for maintaining the conditions with the Stormwater Management Ordinance and all other applicable laws and regulations.

Upon the completion of the site work the contractor shall remove the Construction Site Sedimentation Control measures and install the Post-Construction Stormwater Management Practices.

The Stormwater Management Practices shall be installed in accordance with the Stormwater Management Ordinance and all other applicable laws and regulations. The contractor shall be responsible for maintaining the conditions with the Stormwater Management Ordinance and all other applicable laws and regulations.

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POST-CONSTRUCTION STORMWATER MANAGEMENT PLAN

After construction is completed, including building, parking lots, construction, and landscaping, the contractor shall install and maintain the Post-Construction Stormwater Management Practices. The contractor shall be responsible for maintaining the conditions with the Stormwater Management Ordinance and all other applicable laws and regulations.

Each Construction Site Sedimentation Control measure shall be installed in accordance with the Stormwater Management Ordinance and all other applicable laws and regulations. The contractor shall be responsible for maintaining the conditions with the Stormwater Management Ordinance and all other applicable laws and regulations.

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SELF-MONITORING PROGRAM

The contractor shall perform inspection weekly and after each storm event of a 2" or more throughout the construction process for all Construction Site Sedimentation Control measures. The contractor shall be responsible for maintaining the conditions with the Stormwater Management Ordinance and all other applicable laws and regulations.

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CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

SUMMARY OF BASIC PRINCIPALS:

- 1. Keep disturbed area as small as possible.
- 2. Stabilize and/or protect disturbed areas as soon as possible.
- 3. Keep storm water runoff velocities low.
- 4. Eradicate sediment within immediate construction areas.

The purpose of this plan is to specify methods for implementation for stormwater runoff control. All soil erosion and sedimentation controls shall be regulated by the contractor through the installation of the Construction Site Sedimentation Control measures. The contractor shall be responsible for maintaining the conditions with the Stormwater Management Ordinance and all other applicable laws and regulations.

The contractor shall have a log of maintenance and inspection. It shall be available at the site upon request of local and state inspectors.

If possible we shall install silt traps within 30' of all storm waterlines.

GENERAL CONSTRUCTION SEQUENCE:

- 1. Placement of all major foundations and temporary construction vehicles.
- 2. All soil clearing and sedimentation activities required in the existing conditions.
- 3. Temporary erosion and sedimentation controls (erosion control blankets, silt fences, sediment traps).
- 4. Installation of the Stormwater Runoff Control Drainage Measures, such as the stormwater pond.
- 5. Mass grading of the subgrade.
- 6. Installation of underground utilities, sewer, & storm sewers.
- 7. Installation of Gas, Electric, and Cable.
- 8. Installation of concrete structure.
- 9. Installation of masonry.
- 10. Backfilling of masonry and final grading.

POTENTIAL CONSTRUCTION POLLUTANT SOURCES:

Potential pollution sources that shall exist during construction activities are exposed soils, fuel and oil, construction materials, construction equipment, construction materials, construction vehicles, construction equipment, and construction materials. The contractor shall be responsible for maintaining the conditions with the Stormwater Management Ordinance and all other applicable laws and regulations.

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REVIEW SET NOT FOR CONSTRUCTION

600 W. 172nd Street Site
South Holland, IL
STORM WATER POLLUTION & PREVENTION (SWPPP) DETAILS

715 W. 172nd Street
South Holland, IL
Eagle Express Lines

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Eagle Express Lines



DVG Inc.
Project Management and
Development Consulting
1120 S. RIVER ST., SUITE 100
CHICAGO, ILL 60607-1428
PH: 773.718.1114

**REVIEW SET
NOT FOR CONSTRUCTION**

715 W. 172nd Street
South Holland, IL
Eagle Express Lines

600 W. 172nd Street
South Holland, IL
STORM WATER POLLUTION & PREVENTION (SWPPP) DETAILS

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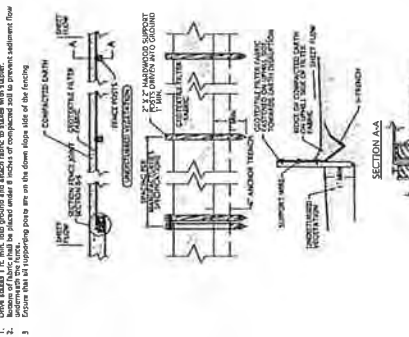
715 W. 172nd Street
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Eagle Express Lines

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South Holland, IL
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SEDIMENT CONTROL MEASURES (continued)

SILT FENCE:

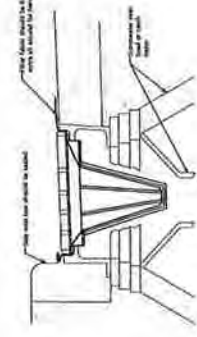
MATERIALS: 1. 2x4 treated lumber (NDS) CA No. 23 or a suitable equivalent
2. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric
3. 2x4 treated lumber (NDS) CA No. 23 or a suitable equivalent
4. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric
5. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric
6. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric
7. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric



- INSTALLATION:**
1. Drive stakes 1/2" dia. into ground and attach fabric to stakes with water.
 2. Drive stakes 1/2" dia. into ground and attach fabric to stakes with water.
 3. Drive stakes 1/2" dia. into ground and attach fabric to stakes with water.
 4. Drive stakes 1/2" dia. into ground and attach fabric to stakes with water.
 5. Drive stakes 1/2" dia. into ground and attach fabric to stakes with water.
 6. Drive stakes 1/2" dia. into ground and attach fabric to stakes with water.
 7. Drive stakes 1/2" dia. into ground and attach fabric to stakes with water.

BASKET CURB INLET PROTECTION:

MATERIALS: 1. 2x4 treated lumber (NDS) CA No. 23 or a suitable equivalent
2. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric
3. 2x4 treated lumber (NDS) CA No. 23 or a suitable equivalent
4. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric
5. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric
6. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric
7. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric



- INSTALLATION:**
1. Avoid locating on steep slopes or at curves in public roads.
 2. Avoid locating on steep slopes or at curves in public roads.
 3. Avoid locating on steep slopes or at curves in public roads.
 4. Avoid locating on steep slopes or at curves in public roads.
 5. Avoid locating on steep slopes or at curves in public roads.
 6. Avoid locating on steep slopes or at curves in public roads.
 7. Avoid locating on steep slopes or at curves in public roads.

TEMPORARY CONSTRUCTION ENTRANCE/EXIT PAD:

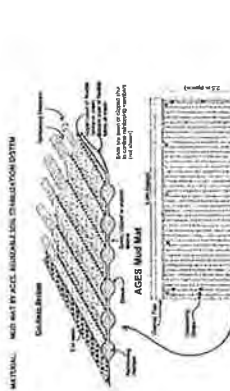
MATERIALS: 1. 2x4 treated lumber (NDS) CA No. 23 or a suitable equivalent
2. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric
3. 2x4 treated lumber (NDS) CA No. 23 or a suitable equivalent
4. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric
5. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric
6. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric
7. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric



- INSTALLATION:**
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 3. Avoid locating on steep slopes or at curves in public roads.
 4. Avoid locating on steep slopes or at curves in public roads.
 5. Avoid locating on steep slopes or at curves in public roads.
 6. Avoid locating on steep slopes or at curves in public roads.
 7. Avoid locating on steep slopes or at curves in public roads.

BASKET CURB INLET PROTECTION:

MATERIALS: 1. 2x4 treated lumber (NDS) CA No. 23 or a suitable equivalent
2. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric
3. 2x4 treated lumber (NDS) CA No. 23 or a suitable equivalent
4. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric
5. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric
6. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric
7. 1/2" x 4" x 6" x 12' x 12' minimum polypropylene fabric

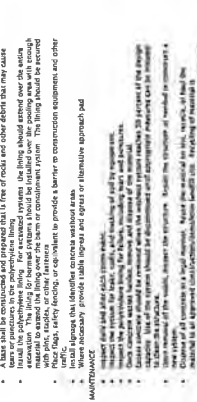


- INSTALLATION:**
1. Avoid locating on steep slopes or at curves in public roads.
 2. Avoid locating on steep slopes or at curves in public roads.
 3. Avoid locating on steep slopes or at curves in public roads.
 4. Avoid locating on steep slopes or at curves in public roads.
 5. Avoid locating on steep slopes or at curves in public roads.
 6. Avoid locating on steep slopes or at curves in public roads.
 7. Avoid locating on steep slopes or at curves in public roads.

MATERIAL MANAGEMENT MEASURES (HOUSEKEEPING)

CONCRETE WASHOUT:

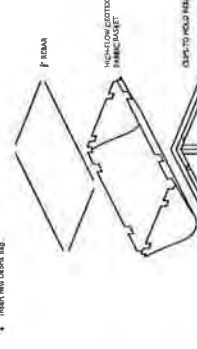
INSTALLATION: 1. Place concrete washout system at least 10 ft from any roads, verticals, ditches, lots, basins, or storm drains. 2. Place concrete washout system at least 10 ft from any roads, verticals, ditches, lots, basins, or storm drains. 3. Place concrete washout system at least 10 ft from any roads, verticals, ditches, lots, basins, or storm drains.



- INSTALLATION:**
1. Avoid locating on steep slopes or at curves in public roads.
 2. Avoid locating on steep slopes or at curves in public roads.
 3. Avoid locating on steep slopes or at curves in public roads.
 4. Avoid locating on steep slopes or at curves in public roads.
 5. Avoid locating on steep slopes or at curves in public roads.
 6. Avoid locating on steep slopes or at curves in public roads.
 7. Avoid locating on steep slopes or at curves in public roads.

FRYEFLOW FILTRATION SYSTEMS WASHOUT:

MATERIALS: 1. Fryeflow filtration system concrete without device
2. Fryeflow filtration system concrete without device
3. Fryeflow filtration system concrete without device
4. Fryeflow filtration system concrete without device
5. Fryeflow filtration system concrete without device
6. Fryeflow filtration system concrete without device
7. Fryeflow filtration system concrete without device



- INSTALLATION:**
1. Avoid locating on steep slopes or at curves in public roads.
 2. Avoid locating on steep slopes or at curves in public roads.
 3. Avoid locating on steep slopes or at curves in public roads.
 4. Avoid locating on steep slopes or at curves in public roads.
 5. Avoid locating on steep slopes or at curves in public roads.
 6. Avoid locating on steep slopes or at curves in public roads.
 7. Avoid locating on steep slopes or at curves in public roads.

600 W. 172nd Street Site
South Holland, IL
STORM WATER POLLUTION & PREVENTION (SWPPP) DETAILS

715 W. 172nd Street
South Holland, IL

REVIEW SET
NOT FOR CONSTRUCTION

DVG Inc
Project Management and
Development Consulting
1715 W. 172nd Street, Suite 100
South Holland, IL 60488

SCALE
AS SHOWN
DATE: 10/15/15
BY: J. R. B. / J. R. B.

C304

Eagle Express Lines

SPILL PREVENTION AND CONTROL PLAN:

- 1. Only approved fuel storage tanks shall be allowed on site.
- 2. Fuel tanks shall be secured against theft, tampering, or damage.
- 3. Fuel tanks shall be secured against theft, tampering, or damage.
- 4. Fuel tanks shall be secured against theft, tampering, or damage.
- 5. Fuel tanks shall be secured against theft, tampering, or damage.
- 6. Fuel tanks shall be secured against theft, tampering, or damage.
- 7. Fuel tanks shall be secured against theft, tampering, or damage.
- 8. Fuel tanks shall be secured against theft, tampering, or damage.
- 9. Fuel tanks shall be secured against theft, tampering, or damage.
- 10. Fuel tanks shall be secured against theft, tampering, or damage.

FUEL STORAGE:

- 1. All fuel tanks on site shall have secondary containment approved by FEMA.
- 2. New fuel tanks are to be located within 100 feet of a storm sewer ditch.
- 3. Fuel storage systems shall be kept in good working order and shall be properly O&M.
- 4. Spill kits must be located on-site in the vicinity of the fuel storage tank.
- 5. Fuel tanks shall have 4 safety eyes.

STOCKPILES:

The contractor shall locate stockpiles on-site at least 15 feet from any roads, verticals, ditches, lots, basins, or storm drains. Stockpiles shall be secured against theft, tampering, or damage. Stockpiles shall be located on-site in the vicinity of the fuel storage tank.

TEMPORARY FACILITIES:

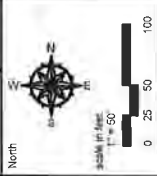
The contractor shall follow the procedures delineated on the plan, in order to construct and maintain the facilities shown on the drawing to control water and mud erosion during construction of the project. All material storage areas (including utility materials) shall be kept within the project boundaries and shall be covered with a tarp or other protective covering to prevent wind-blown dust. All material storage areas shall be covered with a tarp or other protective covering to prevent wind-blown dust. All material storage areas shall be covered with a tarp or other protective covering to prevent wind-blown dust.

MATERIAL HANDLING AND STORAGE:

The contractor shall minimize the disturbance of exposed soils by minimizing the number of areas the fuel tank, equipment, and vehicles will be stored on the site during construction operations. Fuel tank, equipment, and vehicles shall be stored on the site during construction operations in a manner that minimizes the disturbance of exposed soils. Fuel tank, equipment, and vehicles shall be stored on the site during construction operations in a manner that minimizes the disturbance of exposed soils.

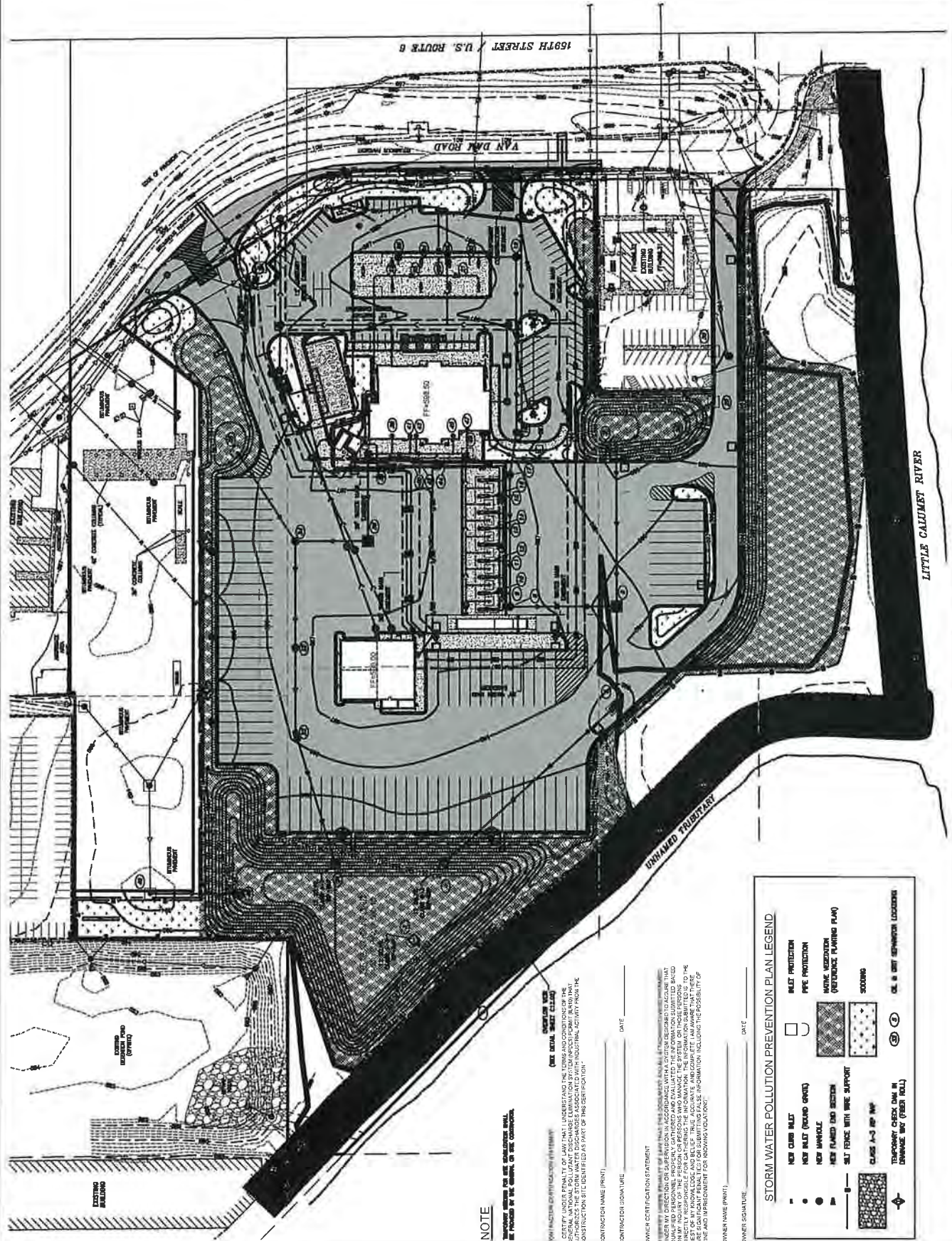
NO.	DATE	BY	DESCRIPTION
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2	04/15/10	ML	FOR PERMITS
3	04/15/10	ML	FOR PERMITS
4	04/15/10	ML	FOR PERMITS
5	04/15/10	ML	FOR PERMITS
6	04/15/10	ML	FOR PERMITS
7	04/15/10	ML	FOR PERMITS
8	04/15/10	ML	FOR PERMITS
9	04/15/10	ML	FOR PERMITS
10	04/15/10	ML	FOR PERMITS
11	04/15/10	ML	FOR PERMITS
12	04/15/10	ML	FOR PERMITS
13	04/15/10	ML	FOR PERMITS
14	04/15/10	ML	FOR PERMITS
15	04/15/10	ML	FOR PERMITS

drawn by: _____
checked by: _____
DATE: 04/15/10
PROJECT: LOVE'S TRAVEL STOP
SCALE: AS SHOWN
SHEET NO.: 01
JOB NO.: 01
SHEET TITLE: POLLUTION PREVENTION PLAN
DRAWN BY: ML
CHECKED BY: ML
DATE: 04/15/10
PROJECT: LOVE'S TRAVEL STOP
SCALE: AS SHOWN
SHEET NO.: 01
JOB NO.: 01
SHEET TITLE: POLLUTION PREVENTION PLAN



project: LOVE'S TRAVEL STOP
sheet: C11.01
job no: E12035

SE CORNER OF 159TH STREET AND INTERSTATE 94
LOVE'S TRAVEL STOP AND COUNTRY STORES
PLANS PREPARED FOR
P. O. BOX 28210
OKLAHOMA CITY, OK 73128



NOTE

TEMPORARY CHECK DAM IN DRAINAGE SWY (PER ROLL) IS PROVIDED BY THE CONTRACTOR.

OWNER MAKE (PRINT) _____ DATE _____

CONTRACTOR SIGNATURE _____ DATE _____

OWNER MAKE (PRINT) _____ DATE _____

CONTRACTOR SIGNATURE _____ DATE _____

OWNER MAKE (PRINT) _____ DATE _____

CONTRACTOR SIGNATURE _____ DATE _____

STORM WATER POLLUTION PREVENTION PLAN LEGEND

- NEW CURB INLET
- NEW INLET (ROUND CURVE)
- NEW MANHOLE
- NEW FLARED END SECTION
- SILT FENCE WITH WIRE SUPPORT
- CLASS 1-3 ASPHALT
- TEMPORARY CHECK DAM IN DRAINAGE SWY (PER ROLL)
- SILENT PROTECTION
- PIPE PROTECTION
- MOUND PROTECTION (REFERENCE PLANNING PLAN)
- SCOURING
- CULVERT SEWERAGE LOCATIONS

**STORM WATER POLLUTION PREVENTION
EROSION CONTROLS AND SEDIMENT CONTROLS**

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION (WHERE APPLICABLE)

- 1) THE AREA BETWEEN THE EXISTING AND PROPOSED RIGHT-OF-WAY TEMPORARY EROSION BARRIERS AND LIMITS OF THE PROJECT WILL BE IMPROVED AND MAINTAINED FOR THE PURPOSES OF CONTROLLING EROSION WITHIN THE AREA. REDUCING WATER FLOW BY TEMPORARY DIVERSION AND MINIMIZING SILTATION INTO THE CONSTRUCTION ZONE AND ESTABLISHING VEGETATIVE CONSTRUCTION WILL CONSERVE THE FOLLOWING:
 - a) AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE, RIP RAP DITCH CHECKS SHALL BE INSTALLED TO LOCALIZE DIVERT WATER, REDUCE FLOW RATES AND COLLECT OUTSIDE SATURATION INSIDE THE PRIVATE PROPERTY WHICH COULD CAUSE CHIEF DAMAGES OR OTHER UNDESIRABLE CONDITIONS.
 - b) AT LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, SEDIMENT BASINS, RIP RAP DITCH CHECKS, TEMPORARY EROSION CONTROL, FENCE, OR TEMPORARY DITCH CHECKS SHALL BE USED.
 - c) ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT EXCEPT AS DESIGNATED ON THE PLANS OR DIRECTED BY THE ENGINEER. PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT UNTIL PERMANENT SEEDING/NOVING AND OVERSEEDING IS COMPLETE.
 - d) A THIRD PARTY BENEFIT OF THESE FILTER AREAS IS THAT THEY WILL BEGIN TO PROVIDE A SCREEN AND BUFFER. THEY WILL HELP PROTECT THE CONSTRUCTION SITE FROM WINDS AND EXCESS SUN AND MITIGATE CONSTRUCTION NOISE AND DUST.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION (WHERE APPLICABLE)

- 1) DURING ROADWAY CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION SLOPE LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED FROM DAMAGING EFFECTS OF CONSTRUCTION. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.
 - a) WITHIN THE CONSTRUCTION ZONE, CRITICAL AREAS WHICH HAVE HIGH FLOWS OF WATER AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION. FOURTEEN DAYS.
 - b) TOP SOIL AND BARTH STOCKPILES SHALL BE TEMPORARILY SEEDDED IF THEY ARE TO REMAIN UNCOVERED FOR MORE THAN FOURTEEN DAYS.
 - c) AS THE CONTRACTOR CONSTRUCTS A PORTION OF THE ROADWAY IN A FULL SECTION, HE/SHE SHALL FOLLOW THE FOLLOWING STEPS AS DIRECTED BY THE ENGINEER:
 - i) PLACE TEMPORARY EROSION CONTROL SYSTEMS AT LOCATIONS WHERE WATER LEAVES AND ENTERS THE CONSTRUCTION ZONE.
 - ii) TEMPORARY SEED-HIGHLY ERODIBLE AREAS OUTSIDE THE CONSTRUCTION ZONE SLOPE LIMITS.
 - iii) CONSTRUCT FENCE/EROSION CONTROL SYSTEMS AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.
 - iv) TEMPORARY DIVERT WATER AROUND PROPOSED OVERTURE LOCATIONS.
 - v) BUILD NECESSARY EMBANKMENT AT OVERTURE LOCATIONS AND THEIR LOCATIONS AND PLACE OVERTURE EROSION CONTROL, SUCH AS RIP RAP DITCH LINING AND CONJOINT FINAL SHAPING TO THE SLOPES.
 - vi) CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAME TIME PLACING PERMANENT EROSION CONTROL, SUCH AS RIP RAP DITCH LINING AND CONJOINT FINAL SHAPING TO THE SLOPES.
 - d) THE CONTRACTOR SHALL IMMEDIATELY FOLLOW MAJOR EARTH MOVING OPERATIONS WITH FINAL GRADING EQUIPMENT AFTER MAJOR EARTH SPREAD OPERATION HAS MOVED TO A NEW LOCATION. FINAL GRADING SHALL BE COMPLETED WITHIN 14 DAYS OF THE EARTH MOVING OPERATIONS. THE CONTRACTOR SHALL IMMEDIATELY REPAIR AND RESTORE OPERATIONS WILL BE SUPPLIED AS DIRECTED BY THE ENGINEER. UNTIL DUST REDUCES TO AN ACCEPTABLE LEVEL, GRASS AND SEEDS.
 - e) DECONTAMINATED AREAS AND EMBANKMENTS SHALL BE PERMANENTLY RESEEDED WHEN FINAL GRADED. IF NOT, THEY SHALL BE TEMPORARILY RESEED AS STATED IN THE SPECIAL PROVISIONS TEMPORARY EROSION CONTROL SEEDING.
 - f) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO PREVENT FUEL SPILLS AND OIL LEAKS. ALL NECESSARY MEASURES TO COMPLY WITH REGULATIONS REGARDING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
 - g) THE REIDENT ENGINEER SHALL INSPECT THE PROJECT DURING ACTIVITIES AND VERIFY OVERTURE AFTER LARGE EARTH MOVING OPERATIONS. THE REIDENT ENGINEER SHALL IMMEDIATELY REPAIR AND RESTORE OPERATIONS WILL BE SUPPLIED AS DIRECTED BY THE ENGINEER ON A BUREAU BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER CONTROL MEASURES ARE NEEDED.
 - h) SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF MAINTENANCE WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 158.3 OF THE ILLINOIS CONSTITUTION.
 - i) THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR FOLLOWING COMPLETION. THE COSTS OF THIS REMOVAL SHALL BE INCLUDED IN THE LPTM BID PRICE FOR THE TEMPORARY EROSION CONTROL SYSTEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

DOCUMENTATION

- 1) A REPORT SUMMARIZING THE SCOPE OF INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, DATES OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS STORM WATER POLLUTION PREVENTION PLAN, AND THE RESULTS OF THE INSPECTION, SHALL BE SUBMITTED TO THE ENGINEER IMMEDIATELY UPON COMPLETION FOR AT LEAST THREE DAYS AFTER THE DATE OF INSPECTION. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V. 6 OF THE GENERAL PERMIT.
- 2) ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK, CONSIDERED BY THE ENGINEER TO BE A MAJOR VIOLATION, THE REIDENT ENGINEER SHALL IMMEDIATELY NOTIFY THE REIDENT ENGINEER BY TELEPHONE AND IN WRITING. THE REIDENT ENGINEER SHALL IMMEDIATELY NOTIFY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE DETAILS OF ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART V. 6 OF THE GENERAL PERMIT. THE REPORT OF NONCOMPLIANCE SHALL BE MAILED TO THE FOLLOWING ADDRESS:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #9
1301 SOUTH WASHINGTON STREET
SPRINGFIELD, IL 62761-9278

DESCRIPTION OF INTENDED SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB EARTH AND LEAD TO POSSIBLE EROSION AND MAJOR PORTIONS OF THE ROAD RIGHT-OF-WAY

- 1) EXCAVATION AND FURNISHING EXCAVATION WILL BE COMPLETED AT LOCATIONS INDICATED ON THE PLANS OR DIRECTED BY THE ENGINEER.
- 2) DRAINAGE STRUCTURES WILL BE INSTALLED BEFORE AND/OR DURING THE CONSTRUCTION OF THE EXCAVATION AND FINISHED EXCAVATION TO ALLOW PROPER DRAINAGE IN AREA OF THE PROPOSED ROADWAY FACILITY.
- 3) PLACEMENT, MAINTENANCE, REMOVAL AND PROPER CLEANUP OF TEMPORARY EROSION CONTROL, SUCH AS EROSION CONTROL FENCE, RIP RAP OR STRAW BALE DITCH CHECKS, RIP RAP DITCH CHECKS, TEMPORARY SEEDING AND MULCHING.
- 4) PLACEMENT OF PERMANENT EROSION CONTROL, SUCH AS RIP RAP DITCH LINING, FILTER FABRIC FOR USE WITH RIP RAP, SEEDING AND MULCHING.
- 5) FINAL GRADING AND OTHER MISCELLANEOUS ITEMS. USE WITH RIP RAP, SEEDING AND MULCHING.

AREA OF DISTURBED GROUND

THE TOTAL AREA DISTURBED BY CONSTRUCTION ACTIVITIES IS APPROXIMATELY 14.49 ACRES. THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF THE CONSTRUCTION PLAN, AND TO PROVIDE THE CONTRACTOR WITH THE NECESSARY INFORMATION TO COMPLY UNDER THESE PLANS. THE CONTRACTOR SHALL VERIFY ALL REQUIREMENTS WITHIN THE PLANS PART OF THE CONTRACT.

ALL DISTURBED AREAS HAVING HIGH POTENTIAL FOR EROSION, AS DETERMINED BY THE ENGINEER, SHALL BE PERMANENTLY SEEDED AND MULCHED AS STATED.

DESCRIPTION OF STABILIZATION PRACTICES AFTER FINAL GRADING (WHERE APPLICABLE)

- 1) TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY, AND ALL PROPOSED RIP RAP AREAS SEEDED AND ESTABLISHED WITH A PROPER STAND.
- 2) ONCE PERMANENT EROSION CONTROL SYSTEMS ARE PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DEFUELED TO BE RESEED. TEMPORARY RIP RAP DITCH CHECKS WILL BE ALLOWED TO REMAIN IN PLACE WHERE APPROVED BY THE ENGINEER.

MAINTENANCE AFTER CONSTRUCTION (WHERE APPLICABLE)

- 1) CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE IS RECEIVED AT THE FINAL INSPECTION.
- 2) AREAS WILL BE INSPECTED ON A REGULAR BASIS BY THE ENGINEER AND THE VILLAGE OF SOUTH HOLLAND.
- 3) MAINTENANCE CREWS WILL PERFORM REGULAR MAINTENANCE TO AND IN KEEPING WEEDS DOWN AND ESTABLISHING A GOOD PASTURE SEED STAND.
- 4) MAINTENANCE CREWS WILL ALSO AD IN ANY DITCH LINING MAINTENANCE OR IN ANY DRAINAGE PROBLEMS.
- 5) ALL MAINTENANCE WILL BE CONDUCTED AT TIMES WHEN WEATHER CONDITIONS WILL NOT CAUSE SITE DAMAGE.
- 6) CONTRACTOR SHALL COMPLY WITH ALL TERMS AND CONDITIONS OF IEPA UNDER PERMIT ULS 12. RESTORATION SHALL OCCUR WITHIN 7 DAYS OF DISTURBANCE.
- 7) CONTRACTOR SHALL SUBMIT INSPECTION REPORTS TO THE VILLAGE AT LEAST ONCE PER SEVEN DAYS AND AFTER RAINFALL EVENTS OF A HALF INCH (OR EQUIVALENT SNOWFALL).
- 8) CONSTRUCTION SHALL NOT COMMENCE UNTIL THE NOI IS SUBMITTED AND THE EPA ISSUES AN EFFECTIVE DATE. THE CONSTRUCTION SCHEDULE SHOULD BE COORDINATE WITH THE EPA REVIEW SCHEDULE (APPROXIMATELY 30 DAYS).
- 9) THE CONTRACTOR IS RESPONSIBLE FOR HAVING THE SWPPP ON SITE AT ALL TIMES.
- 10) NOTICE OF TERMINATION SHALL BE COMPLETED BY THE CONTRACTOR WHEN ALL PERMANENT EROSION CONTROL MEASURES ARE IN PLACE WITH A 10% ESTABLISHMENT RATE OF VEGETATION. THE NOT SHALL BE SENT TO THE IEPA AND THE VILLAGE.
- 11) TECHNIQUES SHALL BE EMPLOYED BY THE CONTRACTOR TO PREVENT THE BLOWING OF DUST OR SEDIMENT FROM THE SITE.
- 12) DAILY REMOVAL OF SEDIMENT AND DEBRIS FROM MAIN DRAINAGE ROADS SHALL BE REQUIRED OF THE CONTRACTOR.

**STORM WATER
POLLUTION PREVENTION &
EROSION CONTROLS &
SEDIMENT CONTROLS**

sheet
C11.02

job no. E12035

project
LOVES' TRAVEL STOP
SE CORNER OF 159TH STREET AND INTERSTATE 94
SOUTH HOLLAND
PLANS PREPARED FOR
LOVES' TRAVEL STOP AND COUNTRY STORES
P. O. BOX 26210
OKLAHOMA CITY, OK 73126

scale in feet
N/A

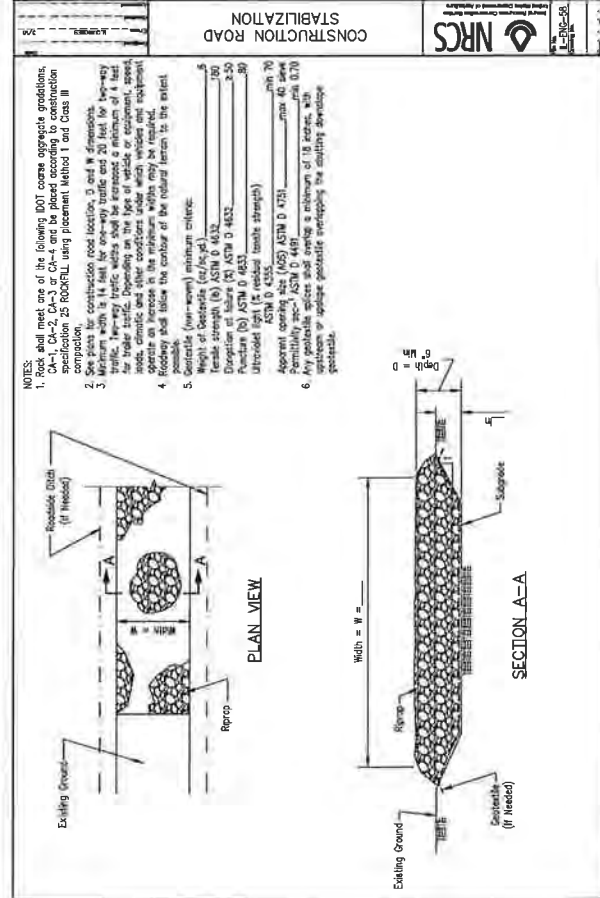


357 South Sawyer Avenue
Kearney, Illinois 60141
Phone: (615) 932-7406

Consider this bid as an offer to provide professional engineering services. The Engineer shall be responsible for providing all necessary information and data for the design. The Engineer shall be responsible for providing all necessary information and data for the design. The Engineer shall be responsible for providing all necessary information and data for the design.

NO.	DATE	BY	REVISIONS
1	1/15/20	JK	REVISED PER COMMENTS
2	1/15/20	JK	REVISED PER COMMENTS
3	1/15/20	JK	REVISED PER COMMENTS
4	1/15/20	JK	REVISED PER COMMENTS
5	1/15/20	JK	REVISED PER COMMENTS
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7	1/15/20	JK	REVISED PER COMMENTS
8	1/15/20	JK	REVISED PER COMMENTS
9	1/15/20	JK	REVISED PER COMMENTS
10	1/15/20	JK	REVISED PER COMMENTS

date 4/17/23
file no. N/A
scale N/A
drawn by N/A
checked by N/A

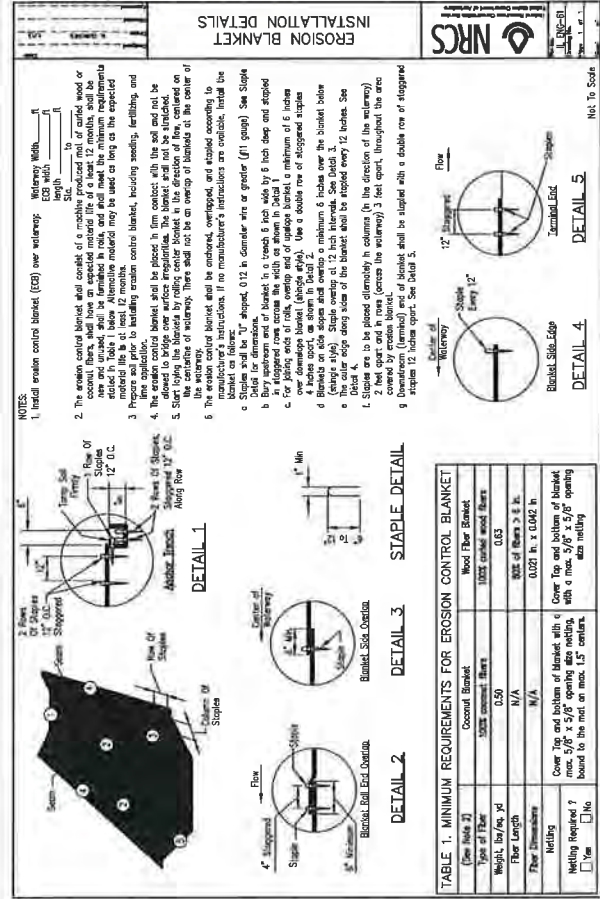


- NOTES:**
1. Riprap shall meet one of the following DOT concrete aggregate specifications: CA-1, CA-2, CA-3, or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method I and Class III compaction.
 2. Riprap shall be placed on a prepared subgrade with a minimum of 4 inches of bedding.
 3. Minimum width is 14 feet for one-way traffic and 20 feet for two-way traffic. Two-way traffic widths shall be increased a minimum of 4 feet for truck traffic. Depending on the type of vehicle or equipment, speed, and other factors, the contractor shall determine the appropriate riprap depth and bedding.
 4. Riprap shall be placed on a prepared subgrade with a minimum of 4 inches of bedding.
 5. Geotextile (non-woven) minimum criteria:
 - a. Tensile strength (ASTM D 4832)
 - b. Puncture (ASTM D 4832)
 - c. Ultraviolet light (UV resistant)
 - d. Apparent opening size (AOS) ASTM D 4753
 - e. Permeability (ASTM D 4491)
 6. Any potential spaces and overlaps a minimum of 12 inches with upstream or up-slope potential overlapping the existing drainage geotextile.

CONSTRUCTION ROAD STABILIZATION

NRC'S

1-516-46

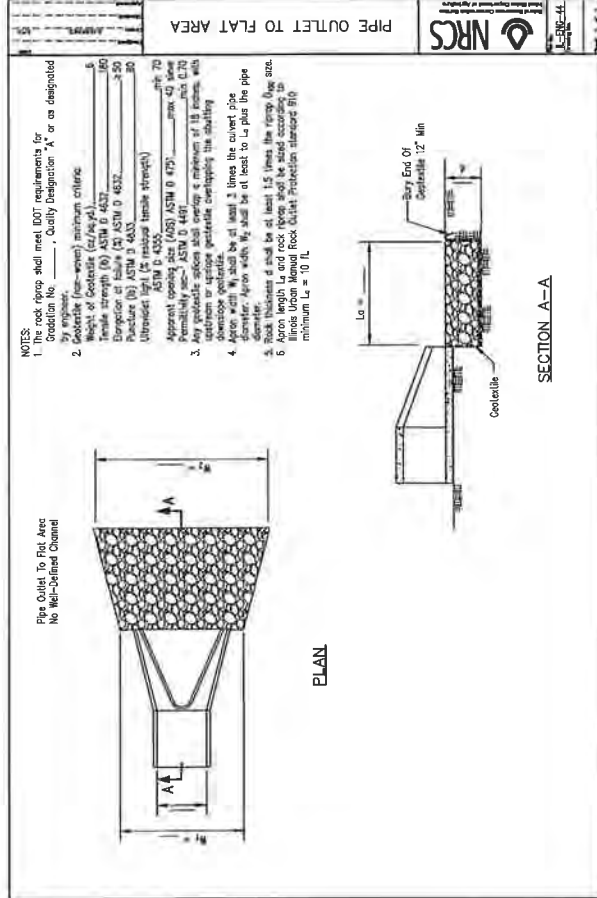


- NOTES:**
1. Install erosion control blanket (ECB) over wetlands.
 2. The erosion control blanket shall consist of a machine produced mat of surface wood or straw and shall be furnished in rolls, and shall meet the minimum requirements stated in Table 1 below. Alternative material may be used as long as the expected erosion control performance is equivalent to that of the material specified.
 3. Prepare soil prior to installing erosion control blanket, including seeding, weeding, and fine application.
 4. The blanket shall be placed in firm contact with the soil and shall be secured to the soil by using staples. The staples shall not be placed on the surface of the wetlands, there shall not be an overlap of blankets at the center of the wetlands.
 5. Start tying the blanket by rolling center blanket in the direction of flow, centered on the wetlands.
 6. The erosion control blanket shall be anchored, overlapped, and stapled according to manufacturer's instructions. If no manufacturer's instructions are available, install the blanket as follows:
 - a. Staples shall be "U" shaped, 0.12 in. diameter wire or greater (F1 group). See Slope Blanket for dimensions.
 - b. Blanket is to be laid 6 inch wide by 6 inch deep and stapled in staggered rows across the width as shown in Detail 1.
 - c. For joining ends of rolls, overlap end of staples blanket a minimum of 6 inches and staple across the width as shown in Detail 2.
 - d. Blankets on side slopes shall overlap a minimum of 6 inches over the blanket below (steep slope). Staple overlap at 12 inch intervals. See Detail 3.
 - e. Blanket is to be placed every 12 inches along the slope.
 7. Slopes are to be placed diagonally in contact in the direction of the wetlands.
 8. Downstream (terminal) end of blanket shall be stapled with a double row of staggered staples 12 inches apart. See Detail 3.
 9. Downstream (terminal) end of blanket shall be stapled with a double row of staggered staples 12 inches apart. See Detail 3.

EROSION BLANKET INSTALLATION DETAILS

NRC'S

1-516-50

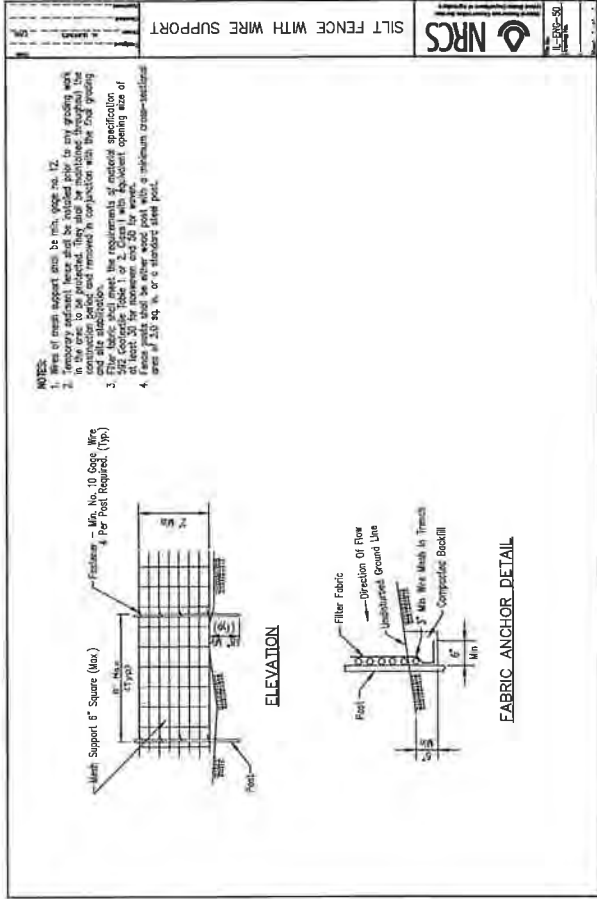


- NOTES:**
1. The rock riprap shall meet DOT requirements for:
 - a. Designation No. _____, Quality Designation "A" or as designated.
 - b. Apparent opening size (AOS) minimum criteria:
 - c. Tensile strength (ASTM D 4832)
 - d. Puncture (ASTM D 4832)
 - e. Ultraviolet light (UV resistant)
 - f. Apparent opening size (AOS) ASTM D 4753
 - g. Permeability (ASTM D 4491)
 2. Geotextile (non-woven) minimum criteria:
 - a. Tensile strength (ASTM D 4832)
 - b. Puncture (ASTM D 4832)
 - c. Ultraviolet light (UV resistant)
 - d. Apparent opening size (AOS) ASTM D 4753
 - e. Permeability (ASTM D 4491)
 3. Any potential spaces and overlaps a minimum of 12 inches with upstream or up-slope potential overlapping the existing drainage geotextile.
 4. Riprap width shall be at least 2 times the current pipe diameter. Riprap width shall be at least 1.5 times the pipe diameter.
 5. Blank thickness shall be at least 1.5 times the pipe diameter.
 6. Riprap length L_r and rock riprap shall be sized according to lines from Manual Rock Outlet Protection standard (R1) minimum $L_r = 10' L$.

PIPE OUTLET TO FLAT AREA

NRC'S

1-516-44



- NOTES:**
1. Area of mesh support shall be min. 100 sq. ft.
 2. Riprap shall be placed on a prepared subgrade with a minimum of 4 inches of bedding.
 3. Riprap shall be placed on a prepared subgrade with a minimum of 4 inches of bedding.
 4. Riprap shall be placed on a prepared subgrade with a minimum of 4 inches of bedding.
 5. Riprap shall be placed on a prepared subgrade with a minimum of 4 inches of bedding.
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 7. Riprap shall be placed on a prepared subgrade with a minimum of 4 inches of bedding.
 8. Riprap shall be placed on a prepared subgrade with a minimum of 4 inches of bedding.
 9. Riprap shall be placed on a prepared subgrade with a minimum of 4 inches of bedding.
 10. Riprap shall be placed on a prepared subgrade with a minimum of 4 inches of bedding.

SILT FENCE WITH WIRE SUPPORT

NRC'S

1-516-50

TYSON ENGINEERING

087 South Schuyler Avenue
Kankakee, Illinois 62801
Phone (815) 932-7400

PROJ. NO. DATE BY DESCRIPTION
3 10/24/13 MRS JRG

DATE 4/27/13
SCALE N/A
DRAWN BY MRS
CHECKED BY MRS

LOVE'S TRAVEL STOP

SE CORNER OF 159TH STREET AND INTERSTATE 94
SOUTH HOLLAND
PLANS PREPARED FOR
LOVE'S TRAVEL STOP AND COUNTRY STORES
P.O. BOX 26216
OKLAHOMA CITY, OK 73126

SCALE: IN FEET
N/A

STORM WATER POLLUTION PREVENTION DETAILS

C11.03

SHEET

JOB NO. E12035

The designer and user are responsible for verifying all dimensions, materials, and methods in accordance with applicable codes and standards. The designer and user are responsible for verifying all dimensions, materials, and methods in accordance with applicable codes and standards.

REV	DATE	BY	DESCRIPTION			
1	04/11/13	N/A	FOR PERMIT			
2	04/11/13	N/A	FOR PERMIT			
3	04/11/13	N/A	FOR PERMIT			
4	04/11/13	N/A	FOR PERMIT			
5	04/11/13	N/A	FOR PERMIT			
6	04/11/13	N/A	FOR PERMIT			
7	04/11/13	N/A <tr <td>8</td> <td>04/11/13</td> <td>N/A</td> <td>FOR PERMIT</td>	8	04/11/13	N/A	FOR PERMIT

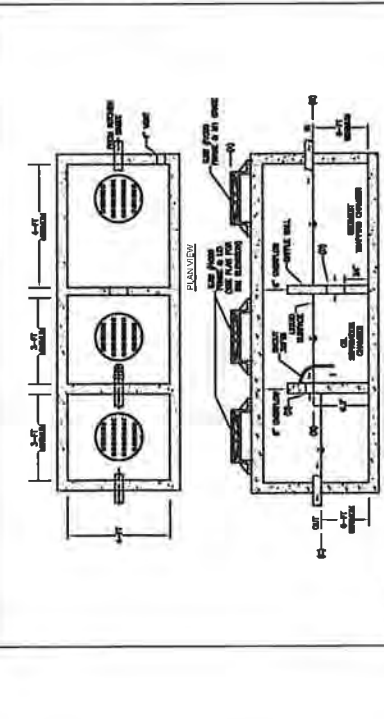
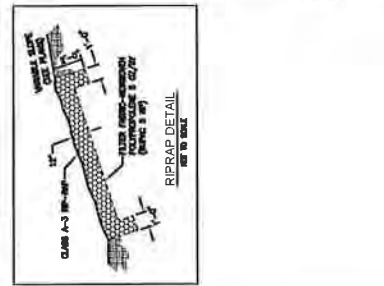
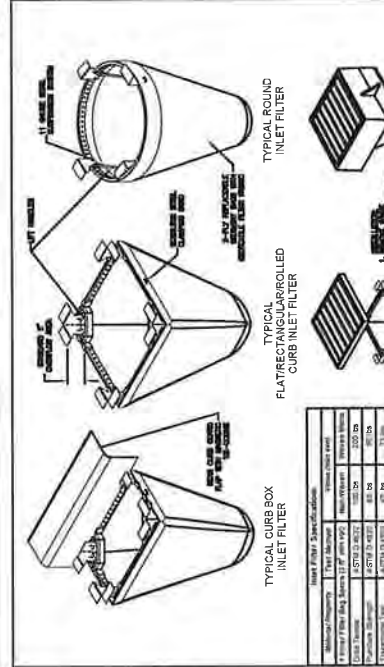
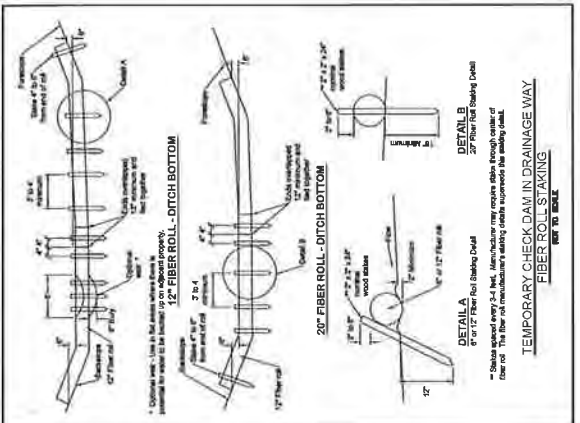
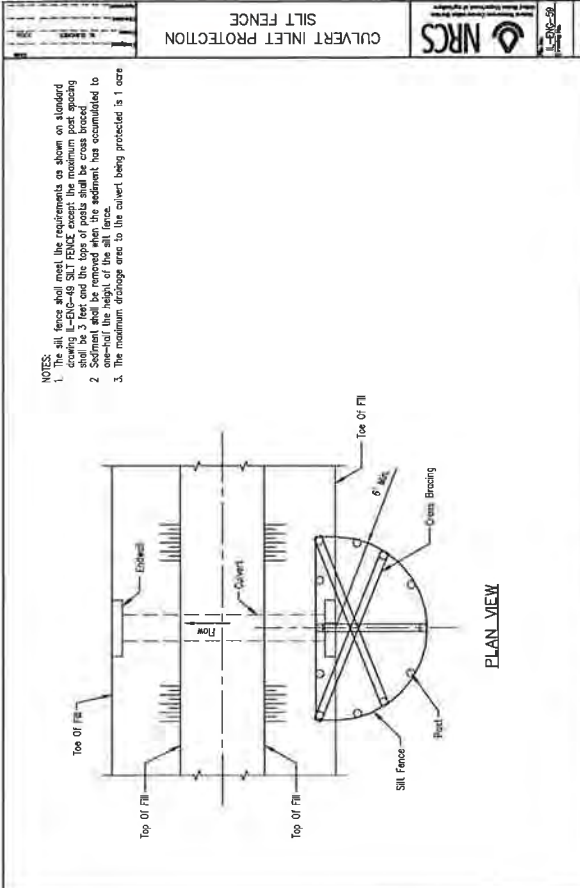
date: 4/11/13
 scale: N/A
 drawn by: MRS
 checked by: WCP

LOVE'S TRAVEL STOP
 SE CORNER OF 159TH STREET AND INTERSTATE 94
 SOUTH HOLLAND
 ILLINOIS
 PLANS PREPARED FOR
 LOVE'S TRAVEL STOP AND COUNTRY STORES
 P O BOX 26210
 OKLAHOMA CITY, OK 73126

Project: **LOVE'S TRAVEL STOP**
 Scale: in feet
 N/A

STORM WATER
 POLLUTION
 PREVENTION
 DETAILS

Sheet: **C11.04**
 Job no: E12035



INLET PROTECTION WITH GEOTEXTILE FABRIC INLET FILTER

Material/Quantity	Unit	Quantity	Notes
1. 12\"/>			

REVISIONS

NO.	DATE	DESCRIPTION
1	04/11/13	FOR PERMIT
2	04/11/13	FOR PERMIT
3	04/11/13	FOR PERMIT
4	04/11/13	FOR PERMIT
5	04/11/13	FOR PERMIT
6	04/11/13	FOR PERMIT
7	04/11/13	FOR PERMIT
8	04/11/13	FOR PERMIT

REVISIONS

1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
 2. PROVIDE CURB OR WALL ON EACH SIDE OF THE FILTER.
 3. PROVIDE CURB OR WALL ON EACH SIDE OF THE FILTER.



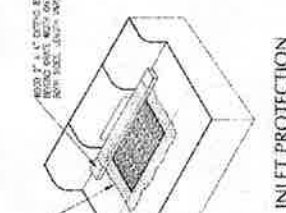
ENGINEERS
LANDSCAPE ARCHITECTS
SURVEYORS • PLANNERS
511 MAPLE AVENUE
DELAFIELD, WISCONSIN 53128
TEL: 262.228.7600
FAX: 262.228.7601
WWW.YAGGYCOLBY.COM
GREEN TIER
MEMBER NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

PROPOSED BURGER KING RESAURANT
SOUTH HOLLAND, IL
CONSTRUCTION DETAILS & NOTES

DATE: 10/10/14	10/13/14
BY: JLM	AWJ 28, 2014
REVISION:	FILL
PROJECT NO.:	L-140888
PROJECT NAME:	
SCALE:	
DATE PLOTTED:	
DRAWN BY:	
CHECKED BY:	
DATE:	

5
6

GENERAL NOTES:
1. ALL EROSION CONTROL MEASURES 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.



INLET PROTECTION, TYPE B WITHOUT CURB BOX
1. 4" x 8" curb with 4" x 8" grate.
2. 4" x 8" curb with 4" x 8" grate and 4" x 8" curb box.

INLET PROTECTION WITH CURB BOX
1. 4" x 8" curb with 4" x 8" grate.
2. 4" x 8" curb with 4" x 8" grate and 4" x 8" curb box.

CONSTRUCTION OF A SILT FENCE
1. 6" high and 4" x 8" curb.
2. 4" x 8" curb with 4" x 8" grate and 4" x 8" curb box.



GREASE TRAP DETAIL
1. 36" dia. x 18" deep tank.
2. 4" x 8" curb with 4" x 8" grate and 4" x 8" curb box.



SIDEWALK DETAIL
1. 4" x 8" curb with 4" x 8" grate and 4" x 8" curb box.
2. 4" x 8" curb with 4" x 8" grate and 4" x 8" curb box.



CONCRETE APRON SECTION
1. 4" x 8" curb with 4" x 8" grate and 4" x 8" curb box.
2. 4" x 8" curb with 4" x 8" grate and 4" x 8" curb box.



TYPICAL PAVEMENT SECTION
1. 4" x 8" curb with 4" x 8" grate and 4" x 8" curb box.
2. 4" x 8" curb with 4" x 8" grate and 4" x 8" curb box.



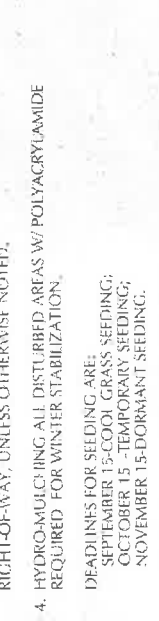
BARRIER CURB DETAIL
1. 4" x 8" curb with 4" x 8" grate and 4" x 8" curb box.
2. 4" x 8" curb with 4" x 8" grate and 4" x 8" curb box.

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.

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 DETAIL), 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 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.

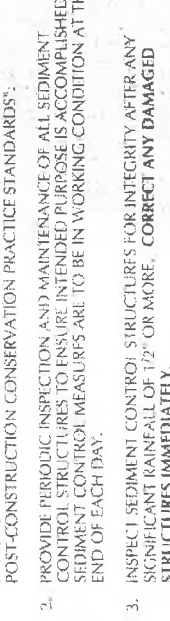
EXCEPT THE WHITE CLOVER SHALL BE ELIMINATED AND THE RESPECTIVE PERCENTAGES OF THE OTHER SEED MATERIAL INCREASED IN THE SAME PROPORTION AS THE ORIGINAL MIX. THE CONTRACTOR SHALL APPLY A FERTILIZER (20-0-0) OVER THE SEEDING AREA AT A RATE OF 10 POUNDS PER 1000 SQUARE FEET. THIS AREA SHALL BE MAINTAINED 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.



18" CONCRETE VERTICAL FACE CURB & GUTTER
1. 18" vertical face curb with 6" top and 6" gutter.
2. 18" vertical face curb with 6" top and 6" gutter.



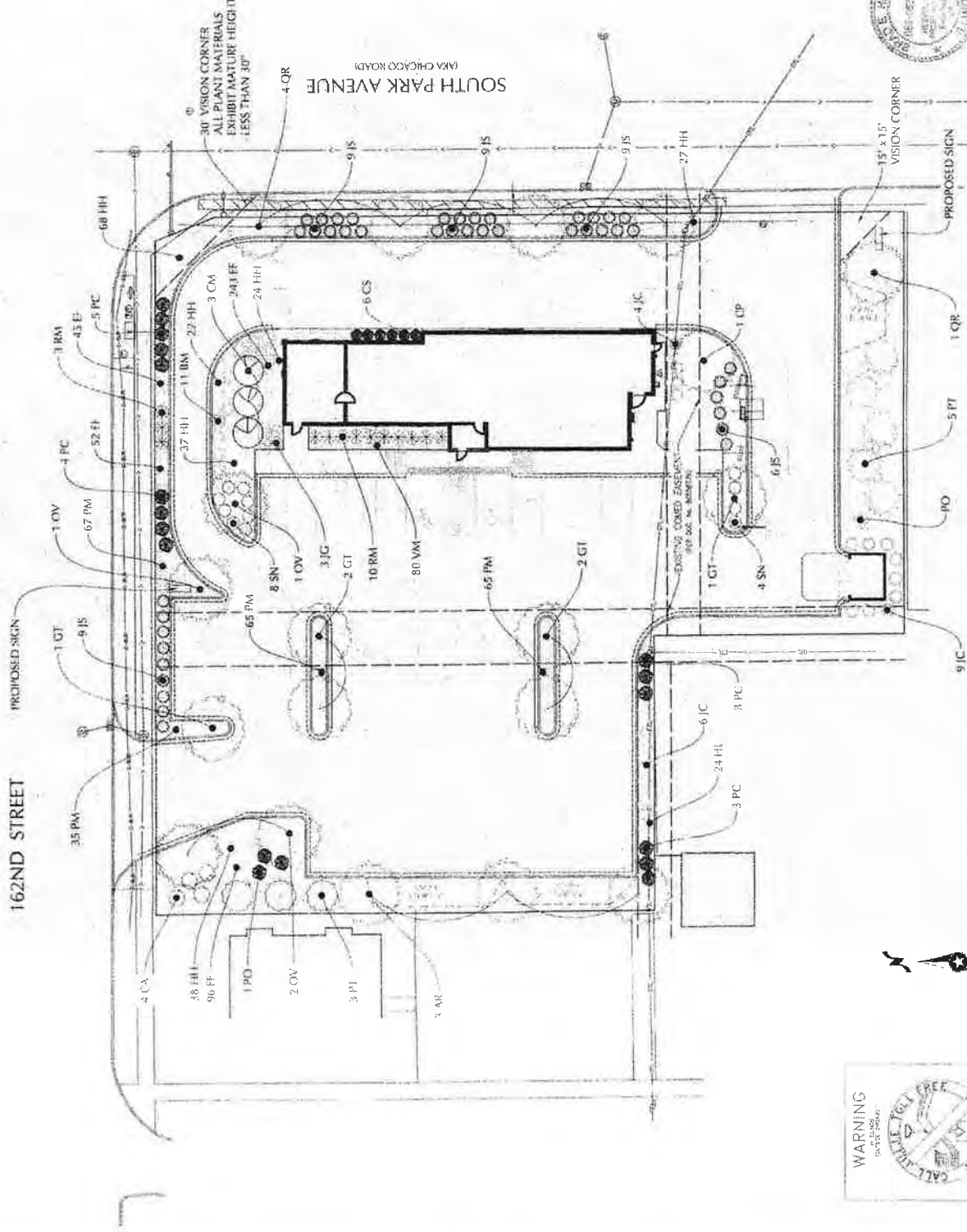
2x6 WALL BASE
1. 2x6 curb with 6" top and 6" gutter.
2. 2x6 curb with 6" top and 6" gutter.



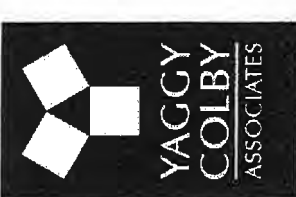
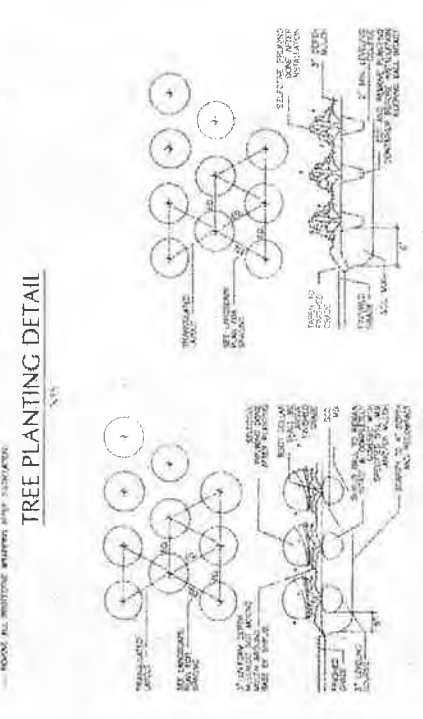
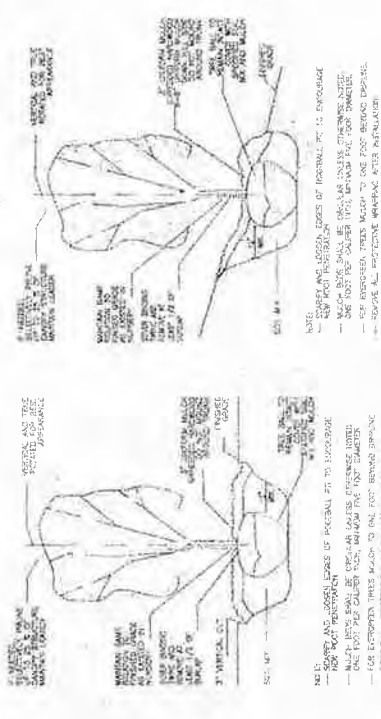
18" CURB & GUTTER
1. 18" curb with 6" top and 6" gutter.
2. 18" curb with 6" top and 6" gutter.

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 PLANTING DETAILS.
- ALL PLANTING SHOULD BE 3" SHROUDED HARDWOOD MULCH.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, INCLUDING IRRIGATION LINES, PRIOR TO DIGGING CONSTRUCTION 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 MATERIAL 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 BEDS TO BE SOODED BY OTHERS.



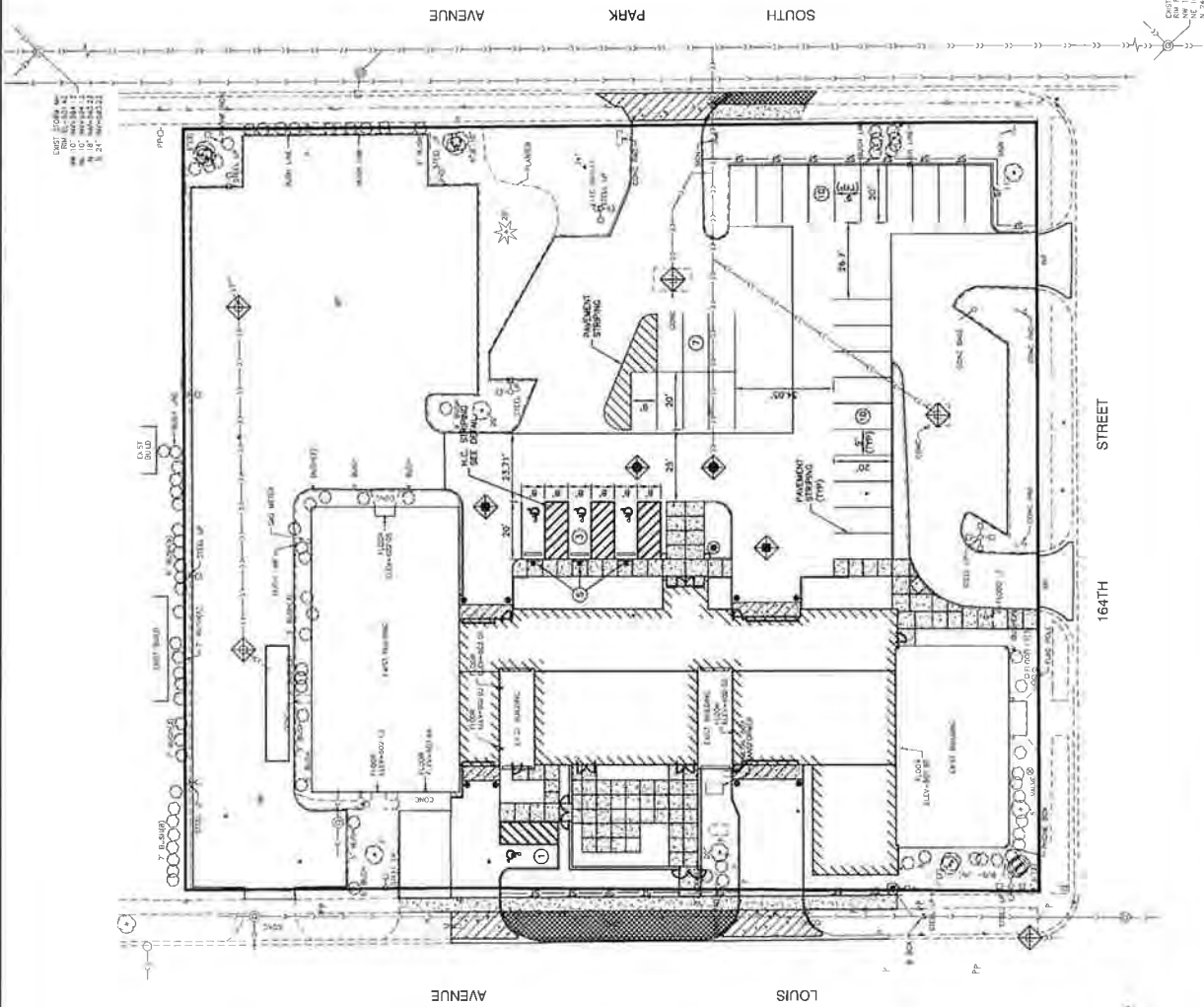
QTY.	SYM.	BOTANICAL NAME	COMMON NAME	SIZE / ROOT	COMMENTS
8	PT	PSUDOTSUGA VERBILIS	DOUGLAS FIR	8' HT, 9B	
3	AR	ACER RUBRUM	RED MAPLE	3" BB	STRONG LEADER
4	CP	CRATAEGUS PHAENOPYLIUM	WASHINGTON HAWTHORN	2" 70	SINGLE TRUNK
3	CM	CORNUS MAS	CORRIAN CHERRY	8" HT, 8B	MULTI TRUNKED
6	GT	GLEDITSIA TRICACANTHUS	SHADEMASTER LOCUST	3" 8B	
4	OV	OSTRYA VIRGINIANA	HORNYWOOD	2.5" 8B	SINGLE TRUNK
5	QR	QUERCUS RUBRA	RED OAK	2" 10	
11	BM	BIRUS NICOPOLYA	WINTERGREEN	30" 8B	
3	AC	JUNIPERUS VIRGINIANA	CAMPERTON JUNIPER	5" 8B	
3	AV	JUNIPERUS HORIZONTALIS	SARGENT'S JUNIPER	24" 8B	
42	IS	JUNIPERUS CHINENSIS	SEA GREEN JUNIPER	24" 8B	
6	CA	CORYLUS AMERICANA	CONTOUR HAZELNUT	9" 8B	
13	PC	POEANTIA CINEREO-ODORATA	GOLD MACHADO POTENTILLA	24" 8B	
4	PO	POEANTIA CINEREO-ODORATA	DART'S GOLD	30" 8B	
13	RA	ROSA BRIGANDIA	WINEBERRY ROSE	24" 8B	
12	SN	SPirea NIPPONICA	JAPANESE SPIREA	24" 8B	
6	CS	CALAMAGROSTIS ACROSTICHA	FEATHER REED GRASS	16G1	25" D.C.
3	EF	EQUISETACEAE	LITTLE BLUE WATERCRESS	1.0L	20" D.C.
416	HH	HESPERALOE PARVIFLORA	HAPPY RETURN DAVILIA	1.0L	38" D.C.
24	HL	HESPERALOE PARVIFLORA	MARBLE LEAF HOSTA	1.0L	38" D.C.
792	PM	PERITOMUM SP.	COASTAL VERVE FLORER	1.0L	38" D.C.
100	VA	VERBENA SP.	PERENNIAL	LOT	38" D.C.



YAGGY COLBY ASSOCIATES
 ENGINEERS ARCHITECTS SURVEYORS PLANNERS
 101 MAPLE AVENUE
 DELAWARE, WISCONSIN 53018
 (608) 785-4400
GREEN TIER
 LEADERSHIP IN SUSTAINABLE DESIGN

PROPOSED BURGER KING RESTAURANT
 SOUTH HOLLAND, IL
 LANDSCAPE PLAN

DATE	NOV. 25, 2014
DESIGNER	R. DUPLER
CHECKED BY	
SCALE	
SHEET NO.	6



NOTES:

- 1 ALL PAVEMENT STRIPING AND MARKINGS SHALL BE PAINT
COLOR SHALL BE PER VILLAGE ORDINANCE

KEY	ITEM NAME
—5"	PERMITTED EROSION BARRIER TO BE PLACED 1' FROM R.O.W
◆	INLET FILTER
▨	INLET AND PIPE PROTECTION
▩	SEDIMENT SALT TOLERANT
▧	SEEDING CLASS 2A WITH EXCLUSION BLANKET
□	TEMPORARY DITCH CHECKS
⊙	ADA PARKING SIGN (SEE DETAIL)

ROBINSON ENGINEERING, LTD. 1700 S. 20TH AVENUE, SUITE 200 CHICAGO, ILLINOIS 60616 PHONE: 312.467.1000 FAX: 312.467.1001 WWW: WWW.ROBINSON-ENG.COM	
PROPOSED POLICE STATION SOUTH PARK AVENUE EROSION CONTROL PLAN AND PAVEMENT MARKING PLAN SOUTH HOLLAND, ILLINOIS	
Project No. 101-KRM-170 Date: 01-20-18 Scale: AS SHOWN	Revision No. 13 Date: 01-20-18 Scale: AS SHOWN
Author: J. J. ROBINSON Check: J. J. ROBINSON Date: 01-20-18	Project No. 101-KRM-170 Date: 01-20-18 Scale: AS SHOWN

1848-9-14-18 (1) (1)

