



Kane County Water Resources Division
 Building "A", First Floor
 719 Batavia Ave.
 Geneva, IL 60134
 630-232-3497
 630-208-3837 FAX

KANE COUNTY STORMWATER MANAGEMENT PERMIT APPLICATION

FOR OFFICE USE ONLY			
Date Application Received:		Permit Number:	WS-2018- _____
Received by:		Reviewed by:	
Development Classification:		Date Permit Issued:	
Permit Fee Total:		Date Permit Closed:	

Applicant Name

Company _____
 Address _____
 City, State ZIP _____
 Telephone No. _____

EMAIL

Owner Name(s)

Company _____
 Address _____
 City, State ZIP _____
 Telephone No. _____

EMAIL

Developer Name

Company _____
 Address _____
 City, State ZIP _____
 Telephone No. _____

Project Information:

Common Address of Development _____

Legal Description (attach if necessary): _____

Parcel Identification Number(s) (PIN): _____

Project Name _____

Size of Development (acres) _____

Type of Development Residential Commercial Industrial Agricultural
 Other _____

Is any portion of this project now complete? Yes No, If "yes," explain in project narrative.

KANE COUNTY STORMWATER MANAGEMENT PERMIT APPLICATION

Project Narrative: (or attach as necessary)

FOR OFFICE USE ONLY		
The site contains the following special management area(s):		
<u>Floodplain</u>	<u>Floodway</u>	<u>Wetlands</u>
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
If any of the above are checked "Yes," additional submittals may be required.		
<i>This is the opinion of the Kane County Water Resources Division</i>		
Name:	QERS No.:	
Signature:	Date:	

Attachments submitted as part of this Permit Application:

Items	Included (Y/N)?	Details (If not included, please explain)
Plan Set		
Subsurface Drainage Investigation Report		
Engineer's Estimate of Probable Cost		
Transportation Approval / Concurrence		
Copies of other relevant permits or approvals (include applications if permits have not been issued)		
Copy of a completed Joint Application form with transmittal letters to the appropriate agencies (wetland or floodplain submittal).		
Names, addresses and phone numbers of all adjoining property owners within 250 feet of the development		
Stormwater Submittal		
Floodplain Submittal		
Wetland Submittal		
Security Submittal		
Special Service Area (SSA) Application		

I hereby certify that all information presented in this application is true and accurate to the best of my knowledge. I have read and understand the Kane County Stormwater Management Ordinance, and fully intend to comply with its provisions.

Signature of Developer

Date

I have read and understand the Kane County Stormwater Management Ordinance, and fully intend to comply with its provisions.

Signature of Owner

Date

**FOR OFFICE USE ONLY
SUBMIT THIS FORM WITH APPLICATION**

Kane County Water Resources Division
Stormwater Permit Fees for Unincorporated Kane County and non-Certified Communities
 Effective: December 1, 2005

Stormwater Permit WS- _____ Renewal Renewal Date: _____
Project Name _____
Township _____
Section _____

Date Application Received _____
Date Payment Received _____
Payment Type Cash Check Other _____
Check Number _____
Payment Amount _____
Receipt Number _____

Proposed Fee, Project Description and Fee Component Structure			Fee Component					Total of All Fee Components			
Project Description	Classification	Application	Erosion & Sediment Control	Site Runoff Storage	Wetland within Site	Floodplain within Site	SSA Implementation	Min.	Max.	Total	
Single Family Residence	SFR	\$ 50	\$ 50	\$ 100	\$ 100	\$ 100	-	\$ 100	\$ 400	_____	
Site Development Project (0 to 5 acres)	SDP1	\$ 50	\$ 50	\$ 100	\$ 100	\$ 100	-	\$ 100	\$ 400	_____	
	(5 to 40 acres)	SDP2	\$ 50	\$ 100	\$ 150	\$ 150	\$ 150	\$ 150	\$ 600	_____	
	(40 to 160 acres)	SDP3	\$ 100	\$ 150	\$ 200	\$ 200	\$ 200	\$ 250	\$ 850	_____	
	(160 or more acres)	SDP4	\$ 100	\$ 200	\$ 250	\$ 250	\$ 250	\$ 300	\$ 1,050	_____	
Agricultural Exempt	AE	\$ 50	\$ 100	\$ 150	\$ 150	\$ 150	-	\$ 150	\$ 600	_____	
Commercial, Industrial or Institutional Site	COMM	\$ 150	\$ 150	\$ 250	\$ 250	\$ 250	500	\$ 300	\$ 1,550	_____	
Subdivision	(Minor 4 lots or less)	SUBD1	\$ 150	\$ 150	\$ 250	\$ 250	\$ 250	500	\$ 550	\$ 1,550	_____
	(5 to 10 lots)	SUBD2	\$ 250	\$ 250	\$ 500	\$ 500	\$ 500	500	\$ 1,000	\$ 2,500	_____
	(11 to 50 lots)	SUBD3	\$ 250	\$ 500	\$ 500	\$ 500	\$ 500	750	\$ 1,250	\$ 3,000	_____
	(51 to 100 lots)	SUBD4	\$ 500	\$ 500	\$ 750	\$ 750	\$ 750	750	\$ 1,750	\$ 4,000	_____
	(101 or more lots)	SUBD5	\$ 500	\$ 750	\$ 1,000	\$ 1,000	\$ 1,000	750	\$ 2,250	\$ 5,000	_____
Total Fee											
Permit Renewal/Extension	All Types	25 %of Total Initial Permit Fee					Renewal Fee				

Kane County Stormwater Management Submittal Checklist

PLAN SET SUBMITTAL

Identifier	Requirement	Section	Comments
PS-1	All drawings should be signed and sealed by a P.E.		
Site Topographic Map:			
PS-2	Map scales at 1 inch = 100 feet (or less) and accurate to +/- 0.5 feet.		
PS-3	Existing and proposed contours on-site and within 100 feet of site.		
PS-4	Existing and proposed drainage patterns and watershed boundaries.		
PS-5	Delineation of pre-development regulatory floodplain/floodway limits.		
PS-6	Delineation of post-development regulatory floodplain/floodway limits.		
PS-7	Location of cross-sections and any other modeled features.		
PS-8	Location of drain tiles.		
PS-9	Location of all wetlands, lakes, ponds, etc. with normal water elevation noted.		
PS-10	Location of all buildings on the site.		
PS-11	Nearest base flood elevations.		
PS-12	FEMA and Kane County Survey Control Network benchmark.		
General Plan View Drawing (may be more than one drawing for clarity)			
PS-13	Map scales at 1 inch = 100 feet (or less) and accurate to +/- 0.5 feet contour interval.		
PS-14	Existing major and minor stormwater systems.		
PS-15	Proposed major and minor stormwater systems.		
PS-16	Design details for stormwater facilities (i.e. structure and outlet work detail drawings, etc.).		
PS-17	Scheduled maintenance program for permanent stormwater facilities including BMP measures.		
PS-18	Planned maintenance tasks and schedule.		
PS-19	Identification of persons responsible for maintenance.		
PS-20	Permanent public access maintenance easements granted or dedicated to, and accepted by, a government entity.		
Sediment/Erosion Control Plan:			
PS-21	Sediment/erosion control installation measures.		
PS-22	Existing and proposed roadways, structures, parking lots, driveways, sidewalks and other impervious surfaces.		
PS-23	Limits of clearing and grading.		
PS-24	Wetland location(s).		
PS-25	Proposed buffer location.		
PS-26	Existing soil types, vegetation and land cover conditions.		
PS-27	List of maintenance tasks and schedule for sediment/erosion control measures.		
Vicinity Topographic Map:			
PS-28	Vicinity topographic map covering entire area upstream of the development site and downstream to a suitable hydraulic boundary condition.		

Kane County Stormwater Management Submittal Checklist

STORMWATER SUBMITTAL

Identifier	Requirement	Section	Comments
SW-1	Narrative description of the existing and proposed site conditions. Include description of off-site conditions.		
SW-2	Schedule for implementation of the site stormwater plan.		
Site runoff calculations:			
SW-3	Documentation of the procedures/assumptions used to calculate hydrologic and hydraulic conditions for sizing major and minor systems.	202.3, 202.4, 202.8	
SW-4	Cross-section data for open channels.	203.14	
SW-5	Hydraulic grade line and water surface elevations under design conditions.		
SW-6	Hydraulic grade line and water surface elevations under base flood conditions		
Site Runoff and Storage Calculations:			
SW-7	Calculation of hydraulically connected impervious area and corresponding retention volume.	203.7	
SW-8	Documentation of the procedures/assumptions used to calculate hydrologic and hydraulic conditions for determining the allowable release rate.	203.2, 203.4	
SW-9	Documentation of the procedures/assumptions used to calculate on-site depressional storage.	201.8	
SW-10	Documentation of the procedures/assumptions used to calculate hydrologic and hydraulic conditions for determining the storage volume.	203.7, 203.8	
SW-11	Elevation-area-storage data.		
SW-12	Elevation-discharge data.	203.5	

Kane County Stormwater Management Submittal Checklist

FLOODPLAIN SUBMITTAL

Identifier	Requirement	Section	Comments
FP-1	Regulatory floodplain boundary determination:	400	
FP-2	Provide source of flood profile information.	401.1.a, 402.6	
FP-3	Provide all hydrologic and hydraulic study information for site specific floodplain studies, unnumbered Zone A area elevation determinations, and floodplain map revisions.	203.9, 203.10, 401.1	
FP-4	Floodway hydrologic and hydraulic analyses for the following conditions:		
FP-5	Existing conditions (land use and stream system).		
FP-6	Proposed conditions (land use and stream system).		
FP-7	Tabular summary of 100-year flood elevations and discharges for existing and proposed conditions.		
FP-8	Calculations used for model development.		
FP-9	Floodplain fill and compensatory storage calculations for below and above 10-year flood elevation:	401.7	
FP-10	Tabular summary for below and above 10-year flood elevation of fill, compensatory storage, and compensatory storage ratios provided in proposed plan.		
FP-11	Floodproofing Measures:	401.4	
FP-12	Narrative discussion of flood proofing measures including material specifications, calculations, design details, operation summary, etc.		
FP-13	Flood Easements when required by the countywide ordinance or local jurisdiction.		

Kane County Stormwater Management Submittal Checklist

WETLAND SUBMITTAL

Identifier	Requirement	Section	Comments
WL-1	Wetland Delineation Report (COE format)		
WL-2	Calculation of required buffer (including width, size and vegetation quality)		
WL-3	Wetland Delineation Plan View Drawing:		
WL-4	Location of existing and proposed impacted or undisturbed wetlands.		
WL-5	Location of buffers.		
WL-6	Planting plan for buffer area.		
WL-7	Identify all required wetland management activities.		
WL-8	Submittal to the USACOE for permit application.		

Kane County Stormwater Management Submittal Checklist

SECURITY SUBMITTAL

Identifier	Requirement	Section	Comments
SS-1	Estimate of Probable Cost to construct stormwater facilities.		
Development security:			
SS-2	Schedule for the completion of stormwater facilities.		
SS-3	Irrevocable letter of credit for 110% of estimated probable cost to construct the stormwater facilities.		
SS-4	Right to draw on the security statement - signed by the holder of the security.		
SS-5	Right to enter the development site to complete required work that is not completed according to schedule.		
SS-6	Indemnification statement - signed by developer.		
Sediment and erosion control security:			
SS-7	Irrevocable letter of credit for 110% of estimated probable cost to install sediment and erosion control facilities.		
SS-8	Right to draw on the security statement - signed by the holder of the security.		
SS-9	Right to enter the development site to complete required work that is not installed and maintained according to schedule.		
Letter of Credit Requirements:			
SS-10	Statement that indicates that the lending institution capital resources at least \$10,000,000, or as authorized.		
SS-11	Lending institution has an office location within the Chicago Metropolitan Area.		
SS-12	Lending institution is insured by the Federal Deposit Insurance Corporation.		
SS-13	Allows Administrator to withdraw without consent of developer.		
SS-14	Allows Administrator to withdraw within 45 days of expiration date.		

Kane County Stormwater Management Submittal Checklist

VARIANCE SUBMITTAL

Identifier	Requirement	Section	Comments
VS-1	Completed Stormwater Permit Application and all required submittals.		
VS-2	Completed variance petition including all information identified in Section 15-236.7.a.-l.		
V-3	Statement as to how the variance sought satisfies the standards in Section 15-236.10. Address each condition separately.		



Kane County Water Resources Division
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NOTICE TO HOMEOWNERS & BUILDERS

DATE: January 13, 2017
FROM: Jodie Wollnik, P.E., Assistant Director,
Kane County Water Resources Division
SUBJECT: Kane County Stormwater Management Ordinance

When is a **Stormwater Permit** required?

In addition to your building permit, you may be required to obtain a **Stormwater Permit** from the Kane County Water Resources Division under the new **Kane County Stormwater Management Ordinance** which became effective January 1, 2002.

- For the typical single family residential project, including new construction, additions, fences, etc., a Stormwater Permit will only be required if any portion of your property falls within the **floodplain**.
- For multi-family and commercial projects, a Stormwater Permit will be required if there is either floodplain, or the disturbed area exceeds 5,000 square feet.
- For other projects that do not require a building permit from the Development Department, but exceed 5,000 square feet of disturbance, a Stormwater Permit will be required.

Be aware that **even if a Stormwater Permit is not required, the Soil Erosion & Sediment Control section of the Ordinance must be followed and will be enforced.**

The entire Stormwater Management Ordinance is located on the Kane County website at www.co.kane.il.us

If you have questions regarding the requirement of a Stormwater Permit as it pertains to your project, please contact the Kane County Water Resources Division at 630-232-3497. We are located on the Ground Floor of Building "A" at the Kane County Government Center in Geneva.



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DATE: January 13, 2017
FROM: Jodie Wollnik, P.E., Assistant Director, Kane County Water Resources Division
SUBJECT: Kane County Stormwater Management Ordinance

What Is Required To Apply For A Stormwater Permit?

1. **Application Form**
2. **Application Fee and Initial Deposit**
3. **“Minimum” Submittals**
4. **“Additional” Submittals**

The attached **“Kane County Stormwater Management Permit Application”** is to be completed and submitted with the required application fee and initial deposit. Refer to the **“Kane County Stormwater Permit Fees”** document included in this packet.

The following **“Minimum” Submittals** are to be included with the application and fee:

- **Plan Set** – Including existing site topography, all proposed improvements and the Sediment/Erosion Control Plan
- Copies of **other relevant permits** or approvals including building permits, access permits, etc. Copies of submitted applications may be included if the permits have not been issued.
- **Estimate of Probable Cost** of stormwater facilities and soil erosion control.
- **Security Submittal** – Letter of Credit or other “Performance Security” to ensure the project is constructed in compliance with the Stormwater Ordinance.

The **“Additional” Submittals** may be required either due to the scope of the project or at the discretion of the Kane County Water Resources Division.

- Subsurface Drainage Investigation or “Drain Tile” Report
- **Stormwater Submittal** – If the project requires stormwater detention.
- **Floodplain Submittal** – If there is a potential for a floodplain or floodway impact.
- **Wetland Submittal** – If there is a potential wetland impact. Include the wetland delineation report and copies of any correspondence with the US Army Corps of Engineers and/or the Kane County Environmental Resources Division.
- Copy of a completed **“Joint Application”** form with letters to the appropriate agencies.
- Contact information for all **adjoining property owners** within 250 feet of the project.

Please refer to the attached **“Checklists”** for the details of the various submittal requirements.

The Kane County Water Resources Division will not accept an application until all “Minimum” Submittals are included. If the application package does not include all required “Additional” Submittals, it will be held until the entire application package is complete.

The **Kane County Water Resources Division** staff is available to answer questions regarding how to complete the application or to discuss which submittals will be required based on your specific project. Please contact us at 630-232-3497. We are located on the Ground Floor of Building “A” at the Kane County Government Center in Geneva.



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KANE COUNTY STORMWATER PERMIT FEES

DATE: January 13, 2017
TO: Stormwater Permit Applicants
FROM: Jodie Wollnik, P.E., Assistant Director, Kane County Water Resources Division
SUBJECT: Kane County Stormwater Permit Fees

When a Stormwater Permit is required, a non-refundable fee is to be paid to the Kane County Water Resources Department.

The total fee is based on the following components and covers the staff time to process, review and issue a Stormwater Permit based on the complexity of the proposed development:

1. *Application*
2. *Erosion & Sediment Control*
3. *Site Runoff Storage*
4. *Wetland Within Site*
5. *Floodplain Within Site*
6. *SSA Implementation*: covers the staff time and publication expenses required for the establishment of a Special Service Area (SSA).

The fee is also determined by the nature and scope of the proposed project:

1. *Single Family Residence* and related projects such as pools, sheds, accessory buildings, etc.
2. *Site Development Projects* with no buildings and including mass grading, pond construction, stream restoration, wetland banks, wetland mitigation, etc. with sub-classifications based on acres of land disturbance.
3. *Agricultural Exempt* Building Permits or Practices
4. *Commercial, Industrial or Institutional Sites*
5. *Subdivisions* which are further divided into 5 sub-classifications based on total proposed lot count and number of units or neighborhoods.

If you have questions regarding the specific requirements of a Stormwater Permit and the associated fees as it pertains to your project, please contact the Kane County Water Resources Department at 630-232-3497. We are located on the Ground Floor of Building "A" at the Kane County Government Center in Geneva.

Refer to Kane County Ordinance No. 05-386 Adopted November 8, 2005



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KANE COUNTY STORMWATER PERMIT FEES

Payable to the Kane County Water Resources Department

Effective December 1, 2005

Fee Component

<u>Project Description</u>	<u>Application</u>	<u>Erosion & Sediment Control</u>	<u>Site Runoff Storage</u>	<u>Wetland Within Site</u>	<u>Floodplain Within Site</u>	<u>SSA Implementation</u>
Single Family Residence	\$50	\$50	\$100	\$100	\$100	Not applicable
Site Development Project (0 to 5 acres)	\$50	\$50	\$100	\$100	\$100	NA
Site Development Project (5 to 40 acres)	\$50	\$100	\$150	\$150	\$150	NA
Site Development Project (40 to 160 acres)	\$100	\$150	\$200	\$200	\$200	NA
Site Development Project (160 or more acres)	\$100	\$200	\$250	\$250	\$250	NA
Agricultural Exempt	\$50	\$100	\$150	\$150	\$150	NA
Commercial, Industrial or Institutional Site	\$150	\$150	\$250	\$250	\$250	\$500
Subdivision (Minor: 4 lots or less)	\$150	\$150	\$250	\$250	\$250	\$500
Subdivision (5 to 10 lots)	\$250	\$250	\$500	\$500	\$500	\$500
Subdivision (11 to 50 lots)	\$250	\$500	\$500	\$500	\$500	\$750
Subdivision (51 to 100 lots)	\$500	\$500	\$750	\$750	\$750	\$750
Subdivision (101 or more lots)	\$500	\$750	\$1,000	\$1,000	\$1,000	\$750

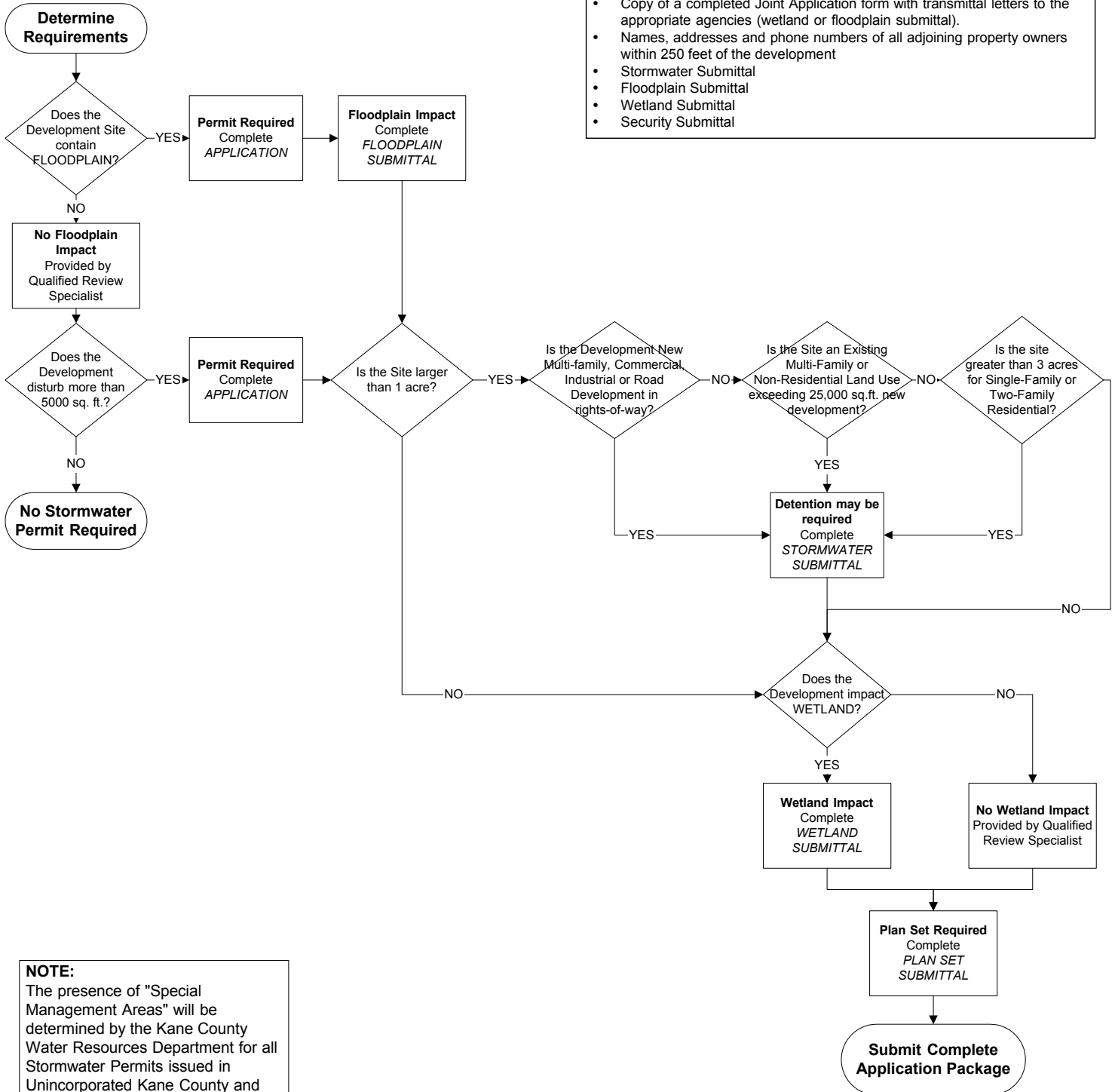
Any project requiring renewal or extension of an issued permit shall pay an additional fee equal to 25% of the original permit fee.

An additional fee equal to 50% of the initial permit fee shall be paid for each unit after the second unit of new subdivisions as they are submitted to the County for final engineering review.

Refer to Kane County Ordinance No. 05-386 Adopted November 8, 2005 and Kane County Ordinance No. 07-42 Adopted February 13, 2007

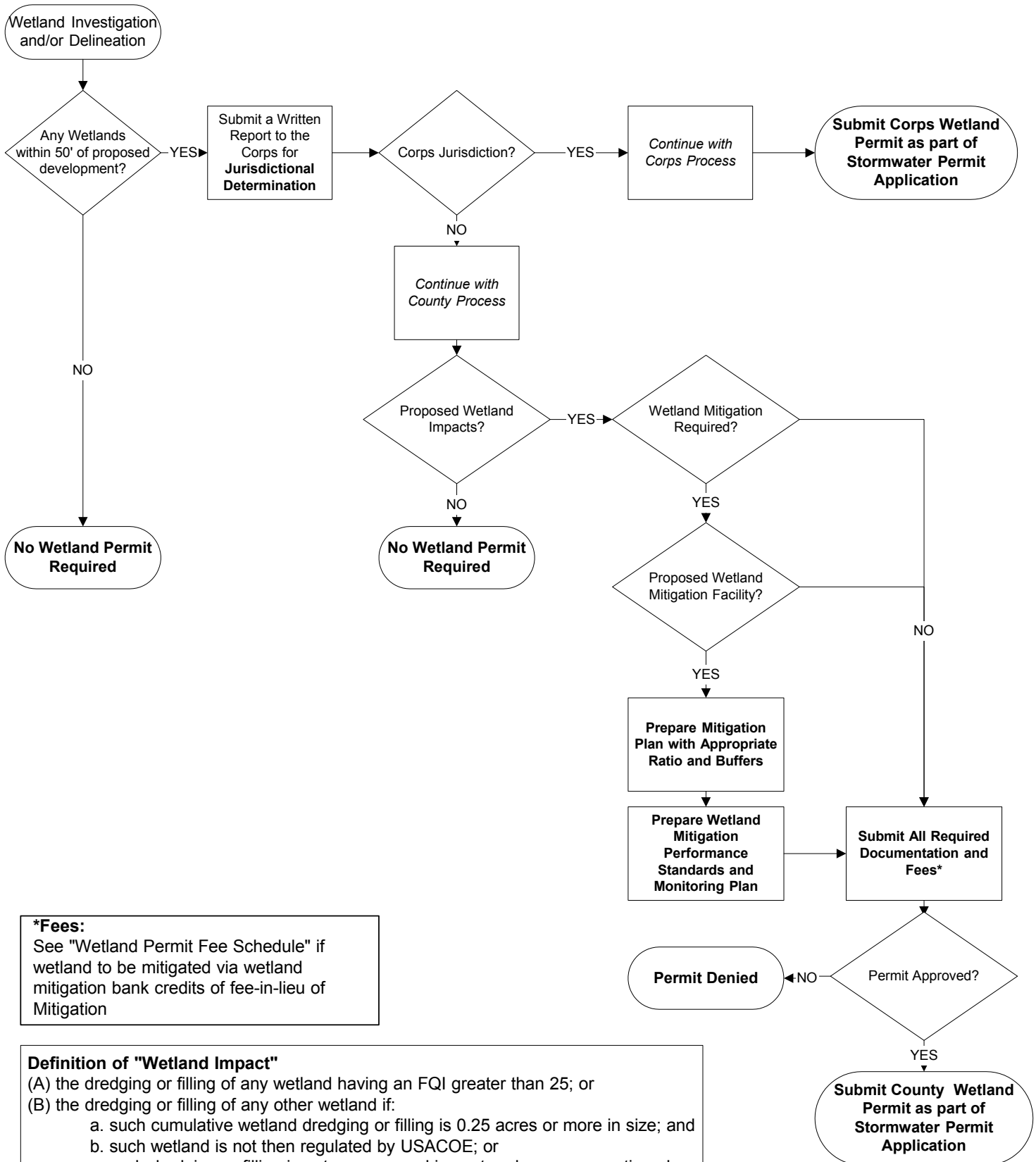
KANE COUNTY STORMWATER MANAGEMENT PERMIT APPLICATION TYPICAL PERMIT SUBMITTAL FLOWCHART

- Components of Stormwater Permit Submittal**
The Following items are required with all Stormwater Permit Applications:
- Stormwater Management Permit Application
 - Plan Set
 - Subsurface Drainage Investigation Report
 - Engineer's Estimate of Probable Cost
- The following items may be required as applicable:*
- Copies of other relevant permits or approvals (include applications if permits have not been issued)
 - Copy of a completed Joint Application form with transmittal letters to the appropriate agencies (wetland or floodplain submittal).
 - Names, addresses and phone numbers of all adjoining property owners within 250 feet of the development
 - Stormwater Submittal
 - Floodplain Submittal
 - Wetland Submittal
 - Security Submittal



NOTE:
 The presence of "Special Management Areas" will be determined by the Kane County Water Resources Department for all Stormwater Permits issued in Unincorporated Kane County and Non-Certified Communities.

Kane County Countywide Stormwater Ordinance Wetland Permitting Process



***Fees:**
See "Wetland Permit Fee Schedule" if wetland to be mitigated via wetland mitigation bank credits of fee-in-lieu of Mitigation

Definition of "Wetland Impact"
 (A) the dredging or filling of any wetland having an FQI greater than 25; or
 (B) the dredging or filling of any other wetland if:
 a. such cumulative wetland dredging or filling is 0.25 acres or more in size; and
 b. such wetland is not then regulated by USACOE; or
 c. such dredging or filling is not an approved impact under a conservation plan administered by any federal agency under the Food Security Act, as amended (16 U.S.C. (section symbol) 3801, et seq.)