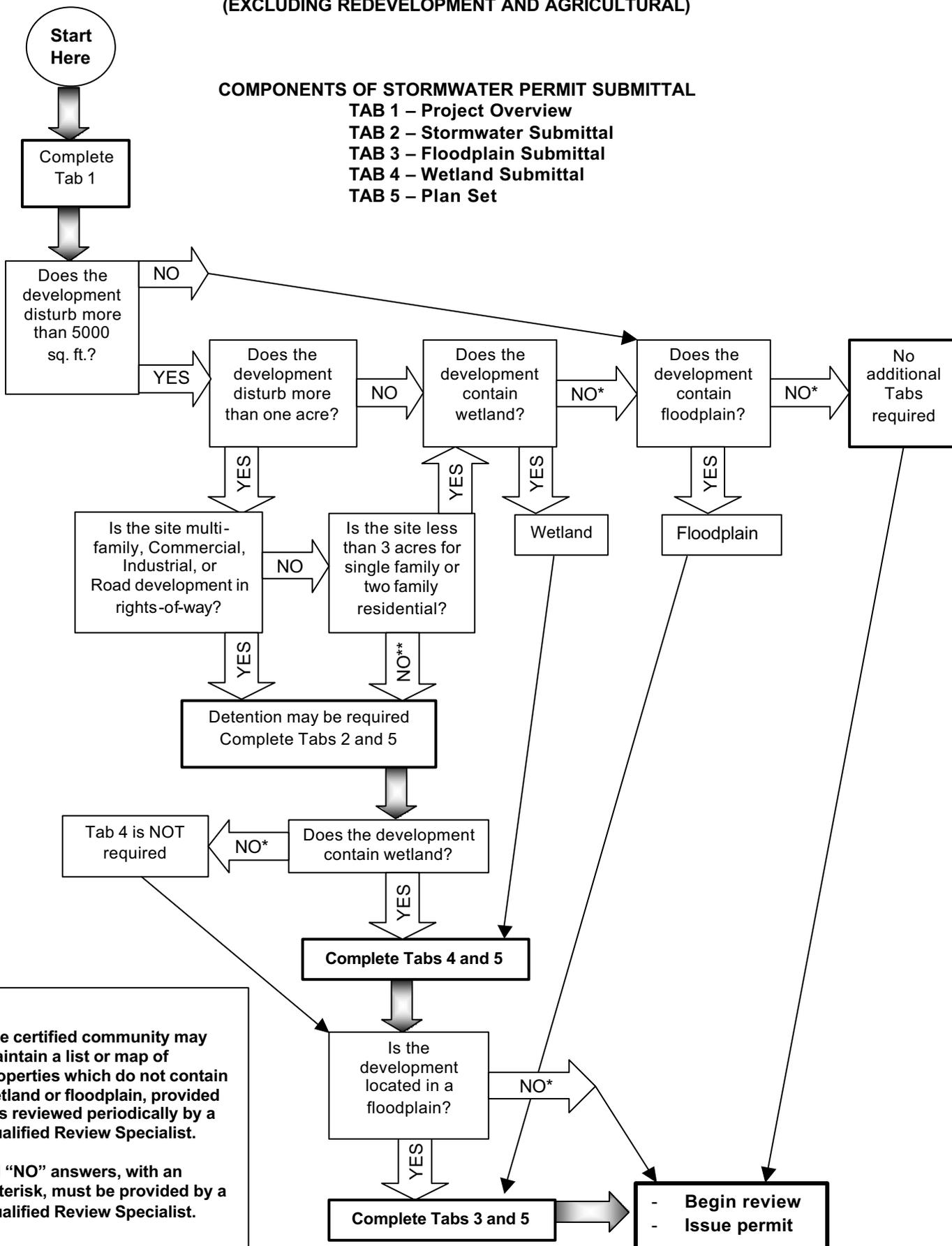


KANE COUNTY STORMWATER MANAGEMENT TYPICAL PERMIT SUBMITTAL FLOWCHART
(EXCLUDING REDEVELOPMENT AND AGRICULTURAL)

COMPONENTS OF STORMWATER PERMIT SUBMITTAL

- TAB 1 – Project Overview
- TAB 2 – Stormwater Submittal
- TAB 3 – Floodplain Submittal
- TAB 4 – Wetland Submittal
- TAB 5 – Plan Set



NOTE:

1. The certified community may maintain a list or map of properties which do not contain wetland or floodplain, provided it is reviewed periodically by a Qualified Review Specialist.
2. All "NO" answers, with an asterisk, must be provided by a Qualified Review Specialist.

KANE COUNTY STORMWATER MANAGEMENT PERMIT APPLICATION

Date Application Received: Date Permit Issued:

Name & Address of Applicant: Name & Address of Owner(s): Name & Address of Developer:

Three sets of horizontal lines for applicant, owner, and developer information.

Title:

Telephone no. during business hours: Telephone no. during business hours
A/C() - A/C() -

Indicate which Submittals apply to application* (see flowchart):

- ? Stormwater Submittal
? Flood Plain Submittal
? Wetland Submittal
? No special management areas encroach the development

*Must be identified by qualified review specialist

Names, addresses and telephone numbers of all adjoining property owners within 250 feet of the development (use additional sheets if necessary):

Large empty rectangular box for adjoining property owner information.

Common Address of Development:

Legal Description (attach):

Street address

1/4, Section, Township, Range

Community

Name of local governing authority

P.I.N.

Watershed planning area and tributary

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

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 those provisions.

Signature of Developer

Date

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

Signature of Owner

Date

| | | |
|------------------|-----------------|------------------------------|
| Applicant: _____ | Reviewer: _____ | Stormwater Permit No.: _____ |
|------------------|-----------------|------------------------------|

The following tables contain a checklist of the requirements before a review for a Stormwater submittal will be accepted. The flow chart on the previous page shall be completed prior to completing the following tables. The flow chart identifies which Tab(s) need to be completed for a particular submittal. Not all requirements pertain to every stormwater submittal. For those requirements that you believe do not pertain to the this submittal, please give the reasons in the comment box.

TAB 1 – PROJECT OVERVIEW

| Identifier | Requirement | Section | Comments |
|------------|--|---------|----------|
| 1A | Completed Stormwater Permit Application | 503(b) | |
| 1B | Copy of a completed Joint Application form with transmittal letters to the appropriate agencies (wetland or floodplain submittal). | 503(b) | |
| 1C | Copies of other relevant permits or approvals (include applications if permits have not been issued) | 503(b) | |
| 1D | Narrative description of development, existing and proposed conditions, and project planning principles considered, including BMPs utilized. | 503(b) | |
| 1E | Subsurface drainage investigation report | 503(b) | |

| | |
|-------------------------------|------------------------------|
| Name of Applicant: _____ | Name of Reviewer: _____ |
| Signature of Applicant: _____ | Signature of Reviewer: _____ |
| Date: _____ | Date: _____ |

PROJECT INFORMATION:

Project Name: _____

Site Location: _____

Township, Range: _____

Site Area (acres): _____

Please check the following activities that apply (from the flow chart):

Type of development: ? Residential ? Commercial ? Industrial ? Agricultural ? Other

The site has the following constraints:

| | | |
|---|---|---|
| Floodplain ? YES ? NO _____ Qualified Review Specialist Signature _____ Print Name | Floodway ? YES ? NO _____ Qualified Review Specialist Signature _____ Print Name | Wetlands ? YES ? NO _____ Qualified Wetland Review Specialist _____ Print Name |
|---|---|---|

Note: Please attach a narrative project description to this Tab, if Applicant is not completing Tab 2.

Kane County Stormwater Management Submittal Checklist

TAB 2 – STORMWATER SUBMITTAL

| Identifier | Requirement | Section | Comments |
|------------|---|---------------------------|----------|
| 2A | Narrative description of the existing and proposed site conditions. Include description of off-site conditions. | | |
| 2B | Schedule for implementation of the site stormwater plan. | | |
| | Site runoff calculations: | | |
| 2C | Documentation of the procedures/assumptions used to calculate hydrologic and hydraulic conditions for sizing major and minor systems. | 202.3, 202.4, 202.8 | |
| 2D | Cross-section data for open channels. | 203.14 | |
| 2E | Hydraulic grade line and water surface elevations under design conditions. | | |
| 2F | Hydraulic grade line and water surface elevations under base flood conditions | | |
| | Site Runoff and Storage Calculations: | | |
| 2G | Calculation of hydraulically connected impervious area and corresponding retention volume. | 203.7 | |
| 2H | Documentation of the procedures/assumptions used to calculate hydrologic and hydraulic conditions for determining the allowable release rate. | 203.2, 203.4 | |
| 2I | Documentation of the procedures/assumptions used to calculate on-site depressional storage. | 201.8 | |
| 2J | Documentation of the procedures/assumptions used to calculate hydrologic and hydraulic conditions for determining the storage volume. | 203.7, 203.8 | |
| 2K | Elevation-area-storage data. | | |
| 2L | Elevation-discharge data. | 203.5 | |

Kane County Stormwater Management Submittal Checklist

TAB 3 – FLOODPLAIN SUBMITTAL

| Identifier | Requirement | Section | Comments |
|------------|---|----------------------------|----------|
| 3A | Regulatory floodplain boundary determination: | 400 | |
| 3B | Provide source of flood profile information. | 401.1.a, 402.6 | |
| 3C | 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 | |
| 3D | Floodway hydrologic and hydraulic analyses for the following conditions: | | |
| 3E | Existing conditions (land use and stream system). | | |
| 3F | Proposed conditions (land use and stream system). | | |
| 3G | Tabular summary of 100-year flood elevations and discharges for existing and proposed conditions. | | |
| 3H | Calculations used for model development. | | |
| 3I | Floodplain fill and compensatory storage calculations for below and above 10-year flood elevation: | 401.7 | |
| 3J | Tabular summary for below and above 10-year flood elevation of fill, compensatory storage, and compensatory storage ratios provided in proposed plan. | | |
| 3K | Floodproofing Measures: | 401.4 | |
| 3L | Narrative discussion of flood proofing measures including material specifications, calculations, design details, operation summary, etc. | | |
| 3M | Flood Easements when required by the countywide ordinance or local jurisdiction. | | |

Kane County Stormwater Management Submittal Checklist

TAB 4 – WETLAND SUBMITTAL

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

Kane County Stormwater Management Submittal Checklist

TAB 5 – PLAN SET SUBMITTAL

| Identifier | Requirement | Section | Comments |
|------------|---|---------|----------|
| 5A | All drawings should be signed and sealed by a P.E. | | |
| 5B | Site Topographic Map: | | |
| 5B-1 | Map scales at 1 inch = 100 feet (or less) and accurate to +/- 0.5 feet. | | |
| 5B-2 | Existing and proposed contours on-site and within 100 feet of site. | | |
| 5B-3 | Existing and proposed drainage patterns and watershed boundaries. | | |
| 5B-4 | Delineation of pre-development regulatory floodplain/floodway limits. | | |
| 5B-5 | Delineation of post-development regulatory floodplain/floodway limits. | | |
| 5B-6 | Location of cross-sections and any other modeled features. | | |
| 5B-7 | Location of drain tiles. | | |
| 5B-8 | Location of all wetlands, lakes, ponds, etc. with normal water elevation noted. | | |
| 5B-9 | Location of all buildings on the site. | | |
| 5B-10 | Nearest base flood elevations. | | |
| 5B-11 | FEMA and Kane County Survey Control Network benchmark. | | |
| 5C | General Plan View Drawing (may be more than one drawing for clarity) | | |
| 5C-1 | Map scales at 1 inch = 100 feet (or less) and accurate to +/- 0.5 feet contour interval. | | |
| 5C-2 | Existing major and minor stormwater systems. | | |
| 5C-3 | Proposed major and minor stormwater systems. | | |
| 5C-4 | Design details for stormwater facilities (i.e. structure and outlet work detail drawings, etc.). | | |
| 5C-6 | Scheduled maintenance program for permanent stormwater facilities including BMP measures. | | |
| 5C-7 | Planned maintenance tasks and schedule. | | |
| 5C-8 | Identification of persons responsible for maintenance. | | |
| 5C-9 | Permanent public access maintenance easements granted or dedicated to, and accepted by, a government entity. | | |
| 5D | Sediment/Erosion Control Plan: | | |
| 5D-1 | Sediment/erosion control installation measures. | | |
| 5D-2 | Existing and proposed roadways, structures, parking lots, driveways, sidewalks and other impervious surfaces. | | |

Kane County Stormwater Management Submittal Checklist

| Identifier | Requirement | Section | Comments |
|------------|---|---------|----------|
| 5D-3 | Limits of clearing and grading. | | |
| 5D-4 | Wetland location(s). | | |
| 5D-5 | Proposed buffer location. | | |
| 5D-6 | Existing soil types, vegetation and land cover conditions. | | |
| 5D-7 | List of maintenance tasks and schedule for sediment/erosion control measures. | | |
| 5E | Vicinity Topographic Map: | | |
| 5E-1 | Vicinity topographic map covering entire area upstream of the development site and downstream to a suitable hydraulic boundary condition. | | |
| 5E-2 | A 2' contour map is preferred at a scale readable by the reviewer. | | |
| 5E-3 | Watershed boundaries for areas draining through or from the development. | | |
| 5E-4 | Soil types, vegetation and land cover affecting runoff upstream of the site for any area draining through the site. | | |
| 5E-5 | Location of development site within the major watersheds. | | |

Kane County Stormwater Management Submittal Checklist

TAB 6 – SECURITY SUBMITTAL

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

Kane County Stormwater Management Submittal Checklist

TAB 7 – VARIANCE SUBMITTAL

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