

# SD1

Managing Northern Kentucky's  
Wastewater and Storm Water



## Storm Sewer Drainage Review Application

*This application is for public and private projects not required to obtain a Land Disturbance Permit, but will connect to the public storm sewer.*

July 2022 – June 2023

**Note:** The application form and supporting documentation must be completed in its entirety and delivered to **SD1, Attention: Andy Aman – Plan Review Manager, 1045 Eaton Drive, Ft. Wright, KY 41017** or sent via email to [aaman@sd1.org](mailto:aaman@sd1.org) to begin the review process. The omission of required items may be cause for rejection or delay in the review of this submittal.

Project name:			
Project address:		City:	
Subdivision name and lot no.:			
Parcel ID from county PVA:			
SD1 permit previously issued for this project: <input type="checkbox"/> Yes <input type="checkbox"/> No		If yes, previous permit no.:	
Permits issued by other agency(ies): <input type="checkbox"/> Yes <input type="checkbox"/> No		If yes, describe:	
Type of storm pipe: <input type="checkbox"/> Public <input type="checkbox"/> Private		Type of storm system: <input type="checkbox"/> Separate <input type="checkbox"/> Combined	
Direct connection to public structure: <input type="checkbox"/> Yes <input type="checkbox"/> No			
<b>Owner/Company Name:</b>		<b>Contact person:</b> as listed on page 4	
Address:		City/ST/Zip:	
Telephone:		Fax:	
Email:			
<b>Developer (if applicable):</b>		Contact person:	
Address:		City/ST/Zip:	
Telephone:		Fax:	
Email:			
<b>Designer:</b>		Contact person:	
Address:		City/ST/Zip:	
Telephone:		Fax:	
Email:			

**Checklist:**

This checklist gives the minimum requirements needed for SD1 review. All items shall be checked as included or marked as N/A. If an item is marked as N/A, provide an explanation in the "Comments" section below.

Project information
Location map
Property boundary and adjacent property owners
Clearing limits
Improvement drawings (with scale not smaller than 1 inch equals 100 feet)
Existing and proposed contours and location and description of benchmark used
Existing and proposed public and private rights-of-ways and streets
Location of proposed storm water and water resource facilities including manholes, pump stations, catch basins, inlets, and headwalls
Storm water facilities (inlets, catch basins, junction boxes, headwalls, manholes, etc.) numbered and corresponding to the profiles of storm sewers and culverts
Profiles of all proposed storm water sewers, culverts, and facilities (including percent grade, pipe diameters, material, and lengths, and invert elevations). Profiles shall also show all existing and proposed public utility (water, storm and sanitary sewer) crossings, and all existing private utility (gas, electric, telephone, etc.) crossings
Hydraulic grade lines for the 10-year and 25-year design storms
Outlet velocities at all headwalls and outlets of storm sewers and culverts
Location and identification of any drainage facility or natural feature on the site or within 100 feet of the project boundary that has or could have an impact on drainage or sediment control
Existing utilities, sewers and storm drainage structures and facilities
Adjoining storm drainage structures and facilities to show continuity in the overall storm water drainage system, if this project is one phase of a multi-phase development
Proposed easements
Erosion prevention and sediment control plan
Location, details, and standard drawings for BMPs. All BMPs shall be numbered for identification and reference purposes (i.e. stabilized construction entrances, perimeter controls, inlet and outlet protection for storm sewers and culverts, stream crossings)
Computations to support all drainage and sediment control designs in a form meeting SD1's requirements and sealed by the Kentucky licensed professional engineer preparing the designs
Electronic PDF copy of plan set

<b>Required Fees (Compute on the right)</b>	<b>Storm Sewer Drainage Review – Public and Private Systems</b> General labor rate fee applied to projects not required to obtain a Land Disturbance Permit (minimum 1 hour)*	\$105.00	
	<b>Public Storm Sewer Construction Inspection</b> Fee not collected if inspected by Planning and Development Services of Kenton County <i>Total number of feet = _____.</i>	\$1.81/foot	
	<b>Private Storm Sewer Connection to Existing Public Storm System Inspection</b> Not applicable with public storm sewer construction inspections General labor rate fee applied (minimum 1 hour)*	\$105.00	
	<b>Total Amount =</b>		

\*SD1 reserves the right to charge additional time at the hourly general labor rate for multiple BMPs and/or multiple storm sewer connections per site that may require additional inspection time.

## **Submittal Requirements:**

### **Initial Submittal Format:**

1. Storm Water Land Disturbance Permit: One (1) electronic PDF plan set \*

*When submitting for both a storm water permit and a sanitary sewer approval associated with the same project, only one (1) electronic PDF plan set submittal which includes both sanitary and storm water aspects along with supporting calculations shall be submitted for the initial review.*

### **Upon Approval Submittal:**

Sanitary Sewer: An electronic PDF version and a Geodatabase or shape file in the following coordinate system:

NAD\_1983\_HARN\_StatePlane\_Kentucky\_North\_FIPS\_1601\_Feet

WKID: 2891

If a GIS file cannot be submitted, an electronic CAD file shall be submitted in standard format (.dwg, .dxf, .dgn). The electronic file shall contain survey information on the structures in the KY HARN NAD 83 coordinate system, tied to USGS Survey Monumentation or another specified coordinate system

## **Record Drawing Requirements:**

Per Section 1005 of SD1's Storm Water Rules and Regulations, record drawings shall be submitted to SD1 upon completion of construction in accordance with SD1's Record Drawing Requirements document.

### **Record Drawing Submittal Formats:**

1. Electronic PDF format

And

2. Geodatabase or shapefile with attribute data in the coordinate system, "NAD 1983 HARN StatePlane Kentucky North FIPS 1601 Feet WKID: 2891" or another specified coordinate system.

**If a GIS file cannot be submitted**, an electronic CAD file shall be submitted in standard format (.dwg, .dxf, .dgn). The electronic file shall contain survey information on the structures in the KY HARN NAD 83 coordinate system, tied to USGS Survey Monumentation or another specified coordinate system.

**Certifications: The following certifications are required.**

**Contact Person**

**Owner/Person Financially Responsible Certification:** "I hereby certify that all land disturbing construction and associated activity pertaining to this permit application shall be accomplished pursuant to the approved plans. The information submitted with the application is, to the best of my knowledge and belief, true, accurate, and complete."

Printed name of owner/person financially responsible: \_\_\_\_\_

Contact Person

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Right of Entry Certification for Inspection:** "I hereby grant authorization to SD1 and/or other designated representatives the right of access to the site at all times for the purpose of site inspections during the period of construction and to perform maintenance inspections following the completion of the land disturbing activity."

Printed name of owner/person financially responsible: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Designer Certification:** "I hereby certify to the best of my knowledge and belief that the measures in this plan are designed to control erosion, retain sediment on the site, and manage storm water in a manner that is in compliance with the requirements contained in the SD1 rules and regulations."

Printed name of engineer: \_\_\_\_\_

Kentucky PE number: \_\_\_\_\_

Date: \_\_\_\_\_

(Stamp and signature)