

# Village of West Salem Erosion Control and Stormwater Management Application

Permit #: \_\_\_\_\_ Date: \_\_\_\_\_

Project Name: \_\_\_\_\_ Application (Individual making in-person application): \_\_\_\_\_

Landowner Name(s): \_\_\_\_\_ Applicant Name: \_\_\_\_\_

Landowner Address: \_\_\_\_\_ Applicant Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Landowner Phone: ( ) \_\_\_\_\_ Applicant Phone: ( ) \_\_\_\_\_

Name and Company of Engineer/Consultant who designed the plans, if applicable: \_\_\_\_\_

Type of Permit (check only one)  Erosion Control Only (EC)  Erosion Control and Stormwater Management (ES)  Stormwater Management Only (SM)

Redevelopment (RD)  Shoreland Erosion Control Only (SE)  Shoreland Erosion Control and Stormwater Management (SS)

Parcel Address/Location \_\_\_\_\_ Parcel # \_\_\_\_\_

**Fee Calculation (all projects must include disturbed area and new impervious area, even if not included in fee):**

First acre of Disturbed Area (square feet): _____	x	\$1.50	/1000 sq.ft. =	\$ _____
Area in excess of one acre of Disturbed Area (square feet): _____	x	\$.50	/1000 sq.ft. =	\$ _____
Total new Impervious Area (square feet): _____	x	\$1.50	/1000 sq.ft. =	\$ _____
Total new Redevelopment Impervious Area (square feet): _____	x	\$.50	/1000 sq.ft. =	\$ _____
			Base Fee =	\$ 250.00
			<b>Total Permit Fee =</b>	<b>\$ _____</b>

- Notes:
1. Be sure to indicate the limits and size (sq.ft.) of all disturbed and impervious area on your plan.
  2. All requirements on this checklist correspond to the requirements set forth in Chapter 16 of the Village of West Salem Code of Ordinances.
  3. By submitting this application, permittee and landowner permit the Village of West Salem Administrative Authority to enter project property for inspection or curative action.

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

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

Permit Issued by: \_\_\_\_\_ Date: \_\_\_\_\_

# Stormwater Management Application Checklist

Permit #: \_\_\_\_\_

Project Name: \_\_\_\_\_

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

Please check the appropriate box:                      I=Included; NA=Non-Applicable (*If "NA" is checked, an explanation must be entered.*)

Plan Requirement	Applicant		
	I	NA	Explanation/Location in Plan
1. Narrative describing the proposed project, including implementation schedule of designed practices.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Identification of the entity responsible for long-term maintenance of the project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Map showing drainage areas for each watershed area.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Design practices to maintain peak discharge rates for the 2 and 10-year 24-hour storm events and safely pass the 100-year 24-hour storm event. Include a summary table showing the results of the analysis. *	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Complete site plan and specifications. *	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Engineered designs for all structural management practices.	<input type="checkbox"/>	<input type="checkbox"/>	
7. For new development, trap 5 micron soil particle (80% reduction in TSS) for the 1-year, 24-hour storm event.	<input type="checkbox"/>	<input type="checkbox"/>	
8. For redevelopment, trap 20 micron soil particle (40% reduction in TSS) for the 1-year, 24-hour storm event.	<input type="checkbox"/>	<input type="checkbox"/>	
9. Treat first 0.5 inches of runoff for control of oil and grease from commercial or industrial areas. (see ordinance)	<input type="checkbox"/>	<input type="checkbox"/>	
10. Proof of stable outlet capable of carrying the design flow at a non-erosive velocity.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
11. For residential development infiltrate 90% of the predevelopment infiltration volume and for non-residential development infiltrate 60% of the predevelopment infiltration volume.	<input type="checkbox"/>	<input type="checkbox"/>	
12. Provisions and practices to reduce the temperature of runoff for sites that drain to a cold-water resource as identified in the ordinance (see Thermal Locator).	<input type="checkbox"/>	<input type="checkbox"/>	
13. Maintenance plan and schedule for all permanent stormwater management practices.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
14. Copy of Preliminary Review Letter, if applicable	<input type="checkbox"/>	<input type="checkbox"/>	
15. Proposed schedule for completion and installation of all elements of the Stormwater management plan.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
16. Evidence of financial responsibility to complete work proposed in plan. -Letter of Credit (LOC) format.	<input type="checkbox"/>	<input type="checkbox"/>	
17. Copy of recorded affidavit required by s. 14.49(3)(d) for privately owned stormwater practices.	<input type="checkbox"/>	<input type="checkbox"/>	
18. Stamped, as-built plans will be required by s. 14.49(5)(e) after site becomes established and before permit is closed out.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

\* See Notes on next page



**Indicates requirement must always be included**

# Erosion Control Application Checklist

Permit #: \_\_\_\_\_

Project Name: \_\_\_\_\_

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

Please check the appropriate box:                      I=Included; NA=Non-Applicable (*If "NA" is checked, an explanation must be entered.*)

Plan Requirement	Applicant		
	I	NA	Explanation/Location in Plan
1. Cross sections and profiles of road ditches and channels (existing and proposed)	<input type="checkbox"/>	<input type="checkbox"/>	
2. Culvert sizes (existing and proposed).	<input type="checkbox"/>	<input type="checkbox"/>	
3. Direction of runoff flow (contours or runoff arrows).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Watershed size for each contributing drainage area.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Design discharge for ditches and structural measures (flow calculations).	<input type="checkbox"/>	<input type="checkbox"/>	
6. Runoff velocities in channels (ft/s, m/s).	<input type="checkbox"/>	<input type="checkbox"/>	
7. Fertilizer and seeding rates (seed, fertilizer, and mulch).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Proposed schedule for completion and installation of all elements of the erosion control plan.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Prevent gully and bank erosion and apply minimum standards for sheet and rill erosion: 7.5 ton/acre/yr. (separate Universal Soil Loss Equation sheet(s) must be completed and attached).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. Detailed written description of how the site is to be developed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
11. Provisions for sequential steps mitigating the erosive effect of land disturbing activities (list of erosion control devices).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
12. Provisions to prevent mud-tracking off-site onto public thoroughfares during construction (stone tracking pad).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
13. Copy of Preliminary Review Letter, permits or approvals by other agencies (e.g. WDNR, Army Corps of Engineers, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	
14. Proof of stable outlet capable of carrying the design flow at a non-erosive velocity.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
15. Any other information necessary to reasonably determine the location, nature, and condition of any physical or environmental features.	<input type="checkbox"/>	<input type="checkbox"/>	
16. Any proposed changes to the erosion control plan must be submitted and approved prior to installation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	



**Indicates requirement must always be included**

# Stormwater Management Plan Notes

## **The summary table in plan requirement 4 must include the following:**

- A) pre-existing peak flow rates
- B) post construction peak flow rates with no detention
- C) post construction peak flow rates with detention
- D) assumed runoff curve numbers
- E) time of concentration used in calculations

## **Complete site plan and specifications in plan requirement 5 must include the following:**

- A) property lines and lot dimensions
- B) all buildings and outdoor uses, existing and proposed, including all dimensions and setbacks
- C) all public and private roads, interior roads, driveways and parking lots, showing traffic patterns and type of paving and surfacing material
- D) all natural and artificial water features
- E) depth to bedrock
- F) depth to seasonal high-water table
- G) the extent and location of all soil types as described in the La Crosse County Soil Survey, slopes exceeding 12%, and areas of natural woodland or
- H) existing and proposed elevations
- I) elevations, sections, profiles, and details as needed to describe all natural and artificial features of the project
- J) soil erosion control and overland runoff control measures, including runoff calculations as appropriate
- K) detailed construction schedule
- L) copies of permits or permit applications required by any other governmental entities or agencies
- M) any other information necessary to reasonably determine the location, nature and condition of any physical or environmental features
- N) all existing and proposed drainage features
- O) the location and area of all proposed impervious surfaces
- P) the size (ft standard) and limits of the disturbed area
- Q) stamped, as-built plans will be required by s. 14.49(5)(e) after site becomes established and before permit is closed out- if these are not provided, the permit will be non-compliant and require additional information to be filed, regardless of how long after the work has been finished