



DUPAGECOUNTY

STORMWATER MANAGEMENT

Stormwater Management Certifications

February 9, 2023

Outline



1. Background – DuPage County Stormwater Management
2. Ordinance Update 2022
3. When is a Stormwater Management Certification required?
4. Requirements for a Stormwater Management Certification
5. How to apply for a Stormwater Management Certification
6. Review process
7. Wetlands
8. Buffers
9. Maintenance and Monitoring

Who Are We?



Stormwater Management in DuPage County

- Countywide program established in 1989
- Guided by the Stormwater Management Planning Committee & Program Plan
- Enforce the Countywide Stormwater & Floodplain Ordinance
- 17 Flood Control Facilities have a floodwater capacity of nearly 6 billion gallons

Programs

- Watershed Management
- Water Quality
- Floodplain Mapping
- Regulatory Services
- Flood Control Operations & Maintenance
- Shared Services



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Regulatory Services



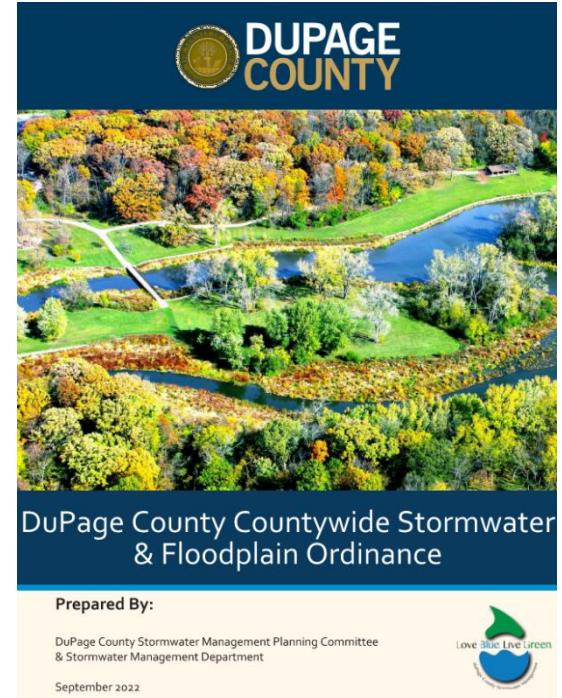
Regulatory Services

- Staff – drainage technicians, engineers, wetland specialists, and managers
- Stormwater management approvals issued
- Permits issued by DuPage County Building & Zoning or municipality

Countywide Stormwater & Floodplain Ordinance

Regulates Development in DuPage County

- Effective February 15, 1992
- Regulations for Wetlands, Buffers, Floodplains, Post Construction Best Management Practices (PCBMPs), Stormwater Detention, and General Stormwater Management
- Establishes Minimum Requirements for Developments in DuPage County Communities (Communities May be More Restrictive)

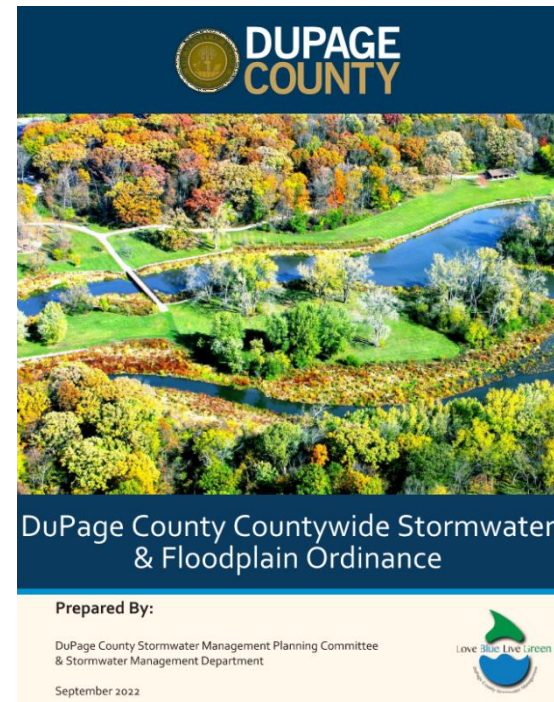


Ordinance Update 2022



Revised Ordinance – Effective 9/13/2022

- Section 15-81.B.5 said that a manufactured home chassis could be no less than 36" above grade
- Section 15-81.B.5 was deleted
- Compliant with a newly implemented Community Rating System (CRS) 1-foot freeboard pre-requisite for Class 8 communities.
- Compliant with FEMA requirements that require residential structures within the floodplain to have the lowest floor (including the basement) elevated to or above the base flood elevation
- No other changes



Stormwater Certification Required?



When is a Stormwater Management Certification Required?

- Floodplain, wetlands, or buffers present
- $\geq 2,500$ SF of net new impervious area
- $\geq 5,000$ SF of land disturbance

Helpful Tools:

- Stormwater Submittal Flow Chart. Available on the website:
 - https://www.dupagecounty.gov/EDP/Stormwater_Management/Stormwater_Regulatory_Services/55046/
- Pre-Application Meetings
 - Virtual format (typically)
 - Homeowners, developers, engineers, wetland consultants, and/or contractors meet with County staff to discuss project and submittal requirements/process
 - Call Demetra Klasen to schedule a meeting: 630-407-6673



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Waiver Status

Non-Waiver Community

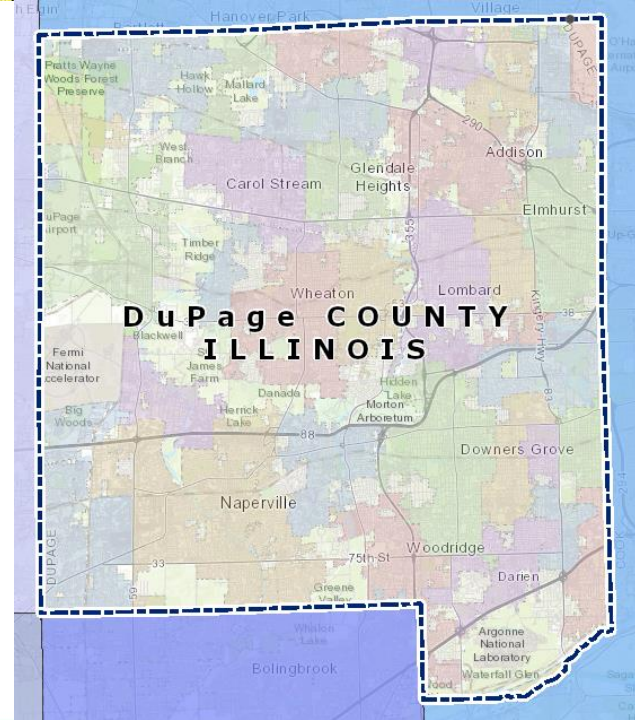
- County reviews all aspects of Ordinance
- Stormwater Certification issued by County
- DuPage County Building & Zoning, or community issues permit

Partial Waiver Community

- County reviews floodplain, floodway, wetlands, and buffers only (unless otherwise requested by the community)
- Community reviews everything else (including detention, PCBMPs, SESC, etc.)
- Community issues the permit and enforces the requirements

Complete Waiver Community

- Community reviews everything and issues the permit
- County does not review, except for a floodway review delegated by IDNR-OWR



General Certifications



- Act as the Stormwater Certification
- Intended to reduce submittal requirements, design cost, and review time
- Purpose: Provide a simplified and expeditious means to review and certify activities that meet the requirements of the Ordinance by following the specified terms and conditions described within the GC:
 - General conditions
 - Special conditions and design requirements
 - Submittal requirements
- Documents available on County website:

https://www.dupagecounty.gov/EDP/Stormwater_Management/Stormwater_Regulatory_Services/54957/

General Certifications



1. Construction of Accessory structures in a floodplain
2. Construction of Boardwalks
3. Construction of Boat lifts and piers in a floodplain, buffer and/or wetland
4. Construction of A deck in a floodplain or buffer
5. Construction of Posts, fencing and guard rails in a floodplain or buffer
6. Construction of Recreational facilities not located in a wetland
7. Construction of Sidewalks, trails, patios, and driveways outside of wetlands
8. Construction of Storm sewer outfalls and outlet channels located in a floodway, floodplain, buffer, and/or wetland
9. Construction of Shoreline or stream bank stabilization measures
10. Construction of Topsoil and sand restoration in a floodplain, floodway, or buffer, but not within a wetland
11. Construction of Utilities
12. Demolition of structures in a floodplain, buffer, and/or wetland
13. Elevation of existing buildings in a floodplain



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Stormwater Certification Submittal



“Tabbed” Stormwater Management Certification Submittal

- Tab 1 – Project Overview
 - Provide a narrative to summarize the project.
- Tab 2A/2B – Site Runoff Storage
 - Required when 25,000 SF or more of net new impervious area is added (cumulative since 2/15/1992)
 - See Section 15-72 for exemptions and requirements
- Tab 3A – Floodplain
 - Determine and show the BFE limits (Section 15-80)
 - Building protection requirements (15-81.B)
 - Compensatory Storage (15-81.D)



Stormwater Certification Submittal



- Tab 3B– Floodway
 - Only appropriate uses allowed in the floodway (Section 15-82.A)
 - H&H modeling required for proposed floodway impacts
 - County has delegation from IDNR-OWR for certain floodway developments
 - In most cases, must still apply to IDNR-OWR for delegation to County
- Tab 4 – Wetlands
- Tab 5 – Buffers
- Tab 6 – Post Construction Best Management Practices (PCBMPs)
 - Required when 2,500 SF or more of net new impervious area is added (cumulative since 4/23/2013)
 - See Article VIII of the Ordinance for other exemptions and requirements
 - Permeable pavers count as pervious area



Stormwater Certification Submittal



- Tab 7 – Soil Erosion and Sediment Control
 - Include a plan to show SESC BMPs as applicable to the site and per Article VII of the Ordinance. For example:
 - A dual layer of protection is required to protect wetland, buffer, and floodplain. Either a dual silt fence with a construction fence or one of the two silt fences being a high visibility color.
 - Alternative practices to silt fence can be proposed such as wattles, compost socks.
 - Placed at the limits of disturbance.
 - No straw bales!
- Tab 8 – Maps
 - Maps can be included in this tab or in the tab they pertain to. For example, the FIRM map can go in Tab 3 (Floodplain). Usually, general maps like project location maps can go here in Tab 8.
- Tab 9 – Maintenance and Monitoring



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Stormwater Certification Submittal



- Tab 10 – Security
 - Securities are not required for government development.
 - Separate securities are required for development, SESC, and natural area restoration/wetland and buffer mitigation area
 - Security is most often in the form of a letter of credit
 - Include an engineer's cost estimate
- Tab 11 – Variance
 - Usually not applicable
 - Only granted for undue particular hardships
 - Must file a formal variance petition, which is considered by the Stormwater Management Planning Committee and the County Board.



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How to Apply

Go to the Stormwater Management homepage at:
<https://www.dupagecounty.gov/swm/>

The portal uses software from Accela, Inc.



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WHEATON, ILLINOIS

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Stormwater Management

A Message from the Chairman



Welcome to Stormwater Management's webpage. Since the inception of DuPage County Stormwater Management 27 years ago, the County has been at the forefront of regional stormwater planning. As Chairman of the Stormwater Management Planning Committee, I work with the County Board, municipalities and staff to ensure DuPage County is providing its residents with the highest quality stormwater management in the department's five program areas-Watershed Management, Floodplain Mapping, Water Quality, Regulatory Services and Flood Operations.

I encourage you to explore Stormwater Management's regional projects and initiatives, including information on how you can help enhance our waterways. Together, we can ensure DuPage County is a place to live, work and raise a family. Thank you for taking the time to visit our webpage, and I encourage you to read the [2021 Stormwater Management Annual Report](#) to learn more.

Sincerely,
Jim Zay
Chairman, Stormwater Management Planning Committee

Stormwater Permit Application Submittal Update

Due to the containment efforts to control COVID-19, DuPage County Stormwater Management will not be able to process any paper copies of stormwater permit applications effective immediately until further notice. If an applicant wishes to submit electronically, those reviews will continue to be processed. If an applicant previously submitted a paper copy, please note that a resubmittal may be made electronically using the assigned tracking number for the development. The following link will provide access to the electronic submittals as well as instructions https://www.dupageco.org/EDP/Stormwater_Management/Stormwater_Regulatory_Services

Stormwater Application Portal



- Check stormwater application status.
- Pay stormwater fees.
- Submit stormwater application.

[Stormwater Application Portal](#)

[News](#) | [More News »](#)

DuPage County Stormwater Management Accepting Applications for Water Quality Grant

DuPage County Stormwater Management Supports Township Projects with ARPA Grant

DuPage County Stormwater Management Hosts Elmhurst Quarry Tours Saturday

DuPage County Elmhurst Quarry Ticket Sales Begin Sept. 1

Log in or Register for an Account



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This feature requires registration and/or login, please login to continue.

User Name or E-mail:

Password:

Login »

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Please Login

Many online services offered by the Agency require login for security reasons. If you are an existing user, please enter your user name and password in the box on the right.

New Users

If you are a new user you may [register](#) for a free Citizen Access account. It only takes a few simple steps and you'll have the added benefits of seeing a complete history of applications, access to invoices and receipts, checking on the status of pending activities, and more.

Register Now »

Creating an Account



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- Building
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- Division of Transportation (DOT)
- Stormwater
- Complaint / Registration / Certificates
- Liquor Inspections

Advanced Search

Account Registration Step 2: Enter/Confirm Your Account Information

* indicates a required field.

Login Information

* User Name: <input type="text"/>	<input <="" td="" type="button" value="?"/>
* E-mail Address: <input type="text"/>	<input <="" td="" type="button" value="?"/>
* Password: <input type="text"/>	<input <="" td="" type="button" value="?"/>
* Type Password Again: <input type="text"/>	
* Enter Security Question: <input type="text"/>	<input <="" td="" type="button" value="?"/>
* Answer: <input type="text"/>	<input <="" td="" type="button" value="?"/>

Mobile Phone:

Contact Information

Choose how to fill in your contact information.

Add New

Continue Online Registration »

WATER MANAGEMENT

Creating an Account



Contact Information

Salutation: --Select-- *First: Middle: *Last:

Home Phone: Mobile Phone: Work Phone:

*E-mail:

Name of Business:

Address Line 1:

City: State: --Select-- Zip:

▼ Contact Addresses

Add Additional Contact Address

To edit a contact address, click the address link.

Showing 0-0 of 0

Address Type	Address	Status	Action
No records found			

Citizen Access Portal Options

- Drainage submittals now made through Building and Zoning
- Letter of Permission
- Stormwater Certification
- Wetland Boundary Verification
- Wetland Determination

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Select a Record Type

Choose one of the following available record types. For assistance or to apply for a record type not listed below please contact us.

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▼ Stormwater

- ☐ Drainage
- ☐ Letter of Permission
- ☐ Stormwater Certification
- ☐ Wetland Boundary Verification
- ☐ Wetland Determination

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Stormwater Certification Submittal



Documents:

- 3-4 separate PDF files preferred:
 - Stormwater report
 - Plan set
 - Signed stormwater certification application form
 - When applicable, comment response document for re-submittals (PDF)
- When applicable, H/H modeling files (zip file) should be uploaded to the portal

Other Reminders:

- Tracking number needed from permitting agency (Municipality or DuPage County Building & Zoning)
- Flatten documents before submitting them
- All applicable fees must be paid through the portal before the review takes place
- Status of application can be checked through the portal

Review Process

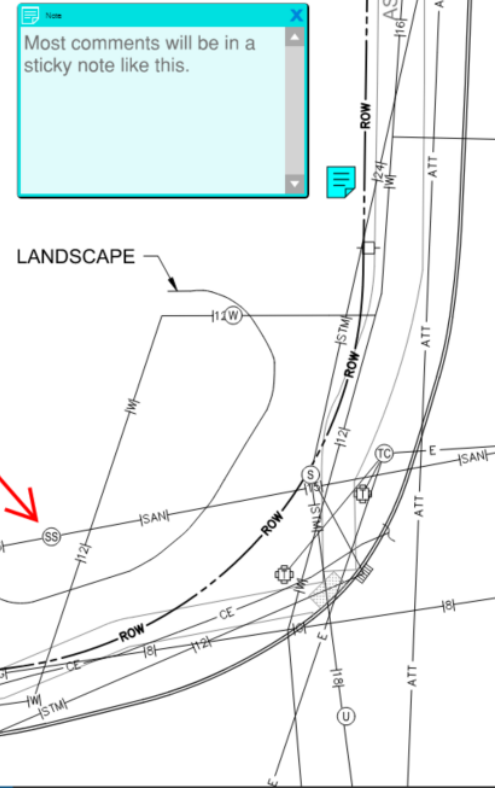
Turnaround Times

- 20 working days per review
- 40 working days for certifications requiring H/H modeling
- If rejected, same turnaround time for the next review
- 10 working days for an Additional Information (AI) request

Reviews in Bluebeam

- Comments sent back as markups/notes within the PDF files
- Documents sent through the portal
- Some software can export a list of comments (Excel or PDF)

Some comments might be in a text box like this.



Some comments might be in a callout like this.

Markups List		Search	Filter List							
	Subject	Page L...	Comments	Author	Date	Status	Color	Layer	Sp...	
	[6] 2226-003 City of ...									
	Note	[6] 2226-003...	Most comments will be in a sticky note like this.	Michael Di...	10/2...					
	Callout	[6] 2226-003...	Some comments might be in a callout like this.	Michael Di...	10/2...					
	Text Box	[6] 2226-003...	Some comments might be in a text box like this.	Michael Di...	10/2...					

Review Process



Stormwater Review Meetings

- Stormwater review meetings can be scheduled to discuss review comments with County staff.
- Typically, virtual meetings
- Call Demetra Klasen to schedule a meeting at 630-407-6673

Other things to note:

- Each re-submittal must be a complete submittal, not just the portion that was revised.
- Do not submit any documents to the portal while the certification is in review, unless specifically requested.
- Provide unique names to the files when re-submitting (like “SM2022-0000_Stormwater Report_2”)

Approvals



Non-Waiver Community

- Stormwater Management will issue a stormwater management certification for compliance with all aspects of The Ordinance.
- DuPage County Building & Zoning (or the community) will issue the permit once all other permit requirements are met.

Partial and Complete Waiver Communities

- Stormwater Management will issue a stormwater management authorization.
 - For compliance with floodway in a complete waiver community when delegated
 - For compliance with floodway, floodplain, wetlands, and/or buffers in a partial waiver community
- The community will issue the stormwater management certification and permit once all other Ordinance requirements and permit requirements are met.



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Identifying Wetlands



How do I Check for Wetlands?

- The wetland map is available on the Parcel Viewer. The wetland maps were updated in 2015 with help of a USEPA grant. The wetland map is comprised of data obtained from the DuPage County Wetland Map Initiative, National Wetlands Inventory of the USFWS, wetland delineations, and local knowledge and data collection.
- Wetlands are dynamic systems that can change over time (valid for 2 years from date of verification). The maps are used for planning purposes only and do not take the place of a wetland delineation. Rather, the maps help to quickly assess a property's potential for a wetland.
- The presence or absence of wetlands may not be definitively determined using the DuPage County wetland Inventory Map. If there are hydric soils present, it is highly advised that the permit applicant be forwarded to the Stormwater Administrator for further review.

Wetland Identification

- The USACE Wetlands Delineation Manual and Interim Regional Supplement outline three criteria of wetlands:
 1. Hydrophytic vegetation
 2. Hydric soils which present certain characteristics when saturated
 3. Wetland hydrology, or the saturation/inundation of soils with water

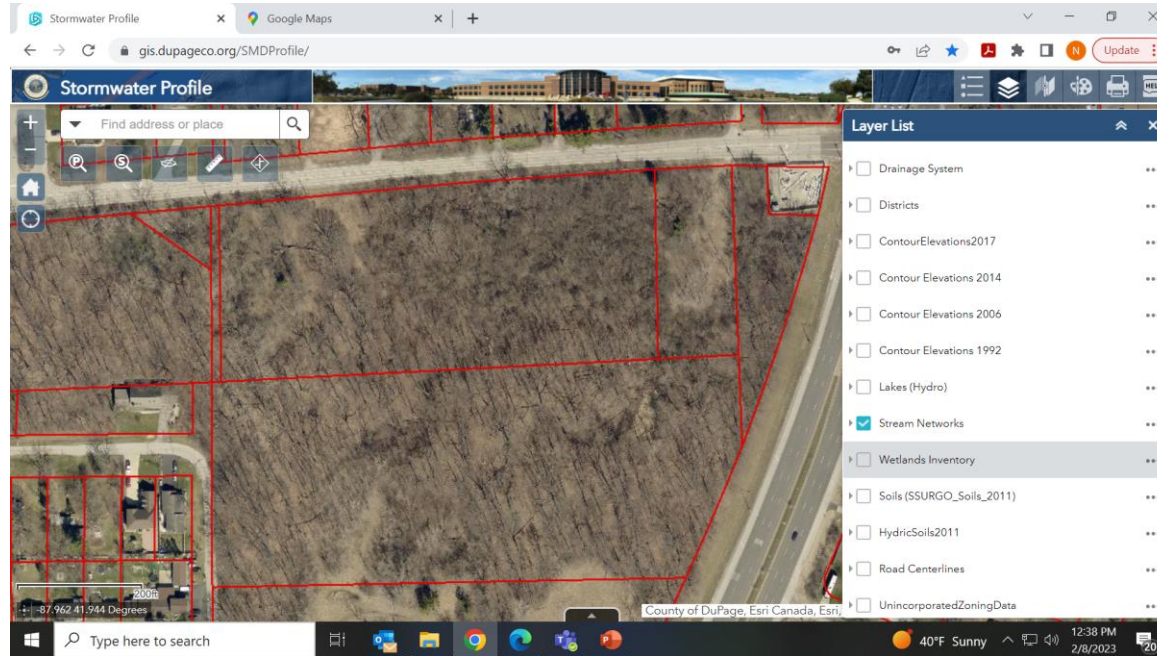


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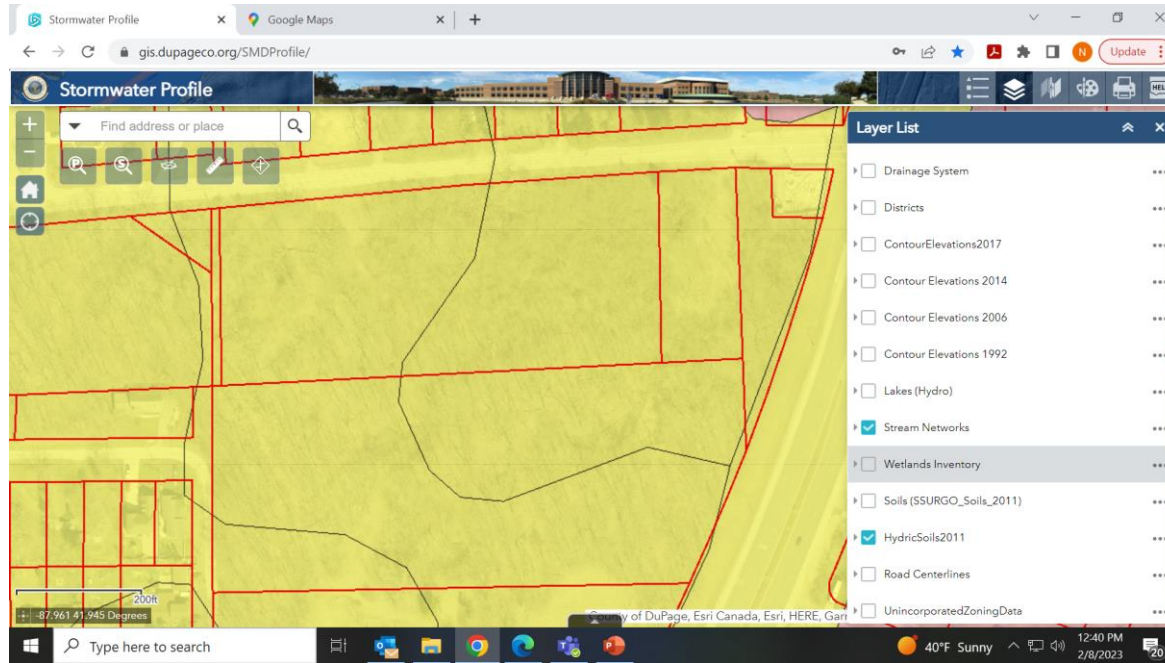


STORMWATER MANAGEMENT

What to Look For - Wetlands



What to Look for - Wetlands

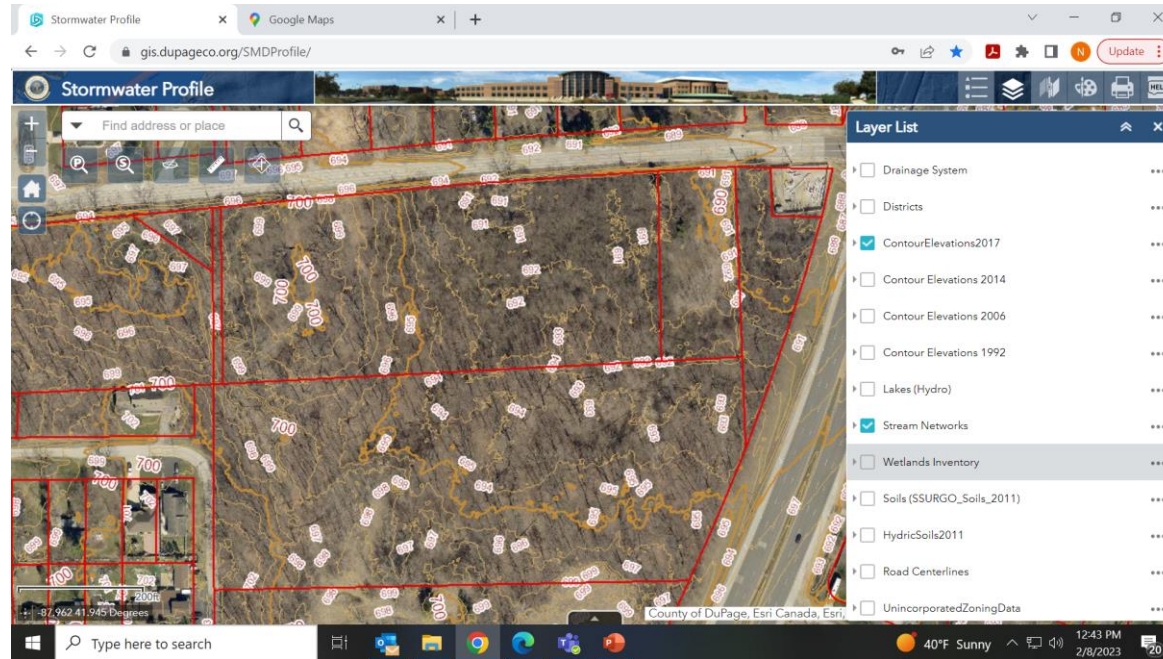


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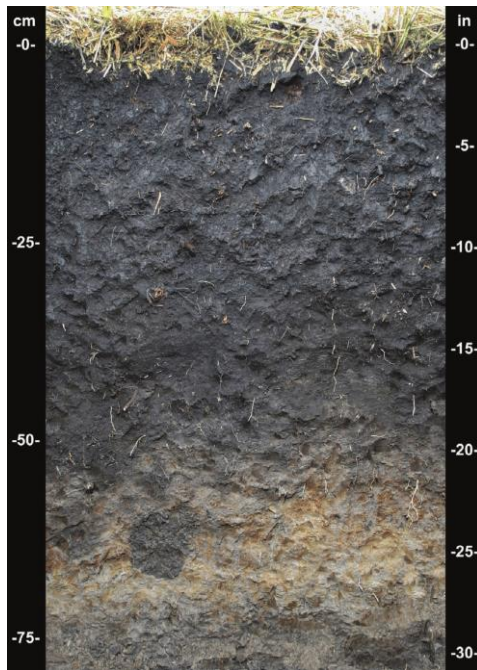
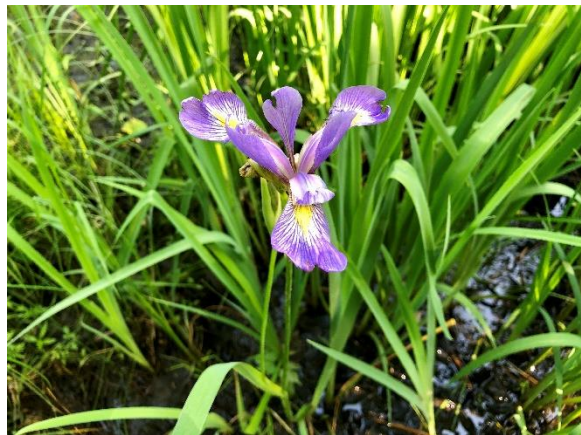


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What to Look For - Wetlands



Three Wetland Criteria



Tab 4 – Wetlands



Article XI

- Breakdown of all Sections in Article XI – respond/answer all that apply
- Full wetland delineation will be required for properties that contain wetlands
- All wetlands regulated by DuPage County SWM
- Sequencing approach to impacting wetlands



Tab 5 – Buffers



Article XII

- Breakdown of all Sections in Article XII – respond/answer all that apply
- Buffer widths determined by regulatory status of wetland or flood plain limits for riparian buffer
- Impacts to buffers looked at from a functional perspective

Tab 9-Maintenance and Monitoring



- Impacts to wetland and buffer (wetland and riparian) requiring native plantings must have a maintenance and monitoring period with performance criteria
 - Appendix B of Ordinance
 - 110% of security amount for all native plantings, maintenance, and monitoring should be held until all set performance criteria have been met (do not release bond/LOC without permission or sign off)
- * Other development securities collected shall be released per Article VI of Ordinance



Portal Options - Wetlands



Wetland Boundary Verification

- All wetland delineations performed within DuPage County must be verified by SWM Wetland Staff or consultant for Complete Waiver Communities
- Verifications are valid for 2 years from the date of the verification
- Fee applicable for boundary verification

Wetland Determination

- Process where SWM Wetland Staff comes out to say if wetland is/is not present on a property
- Determination does not identify where wetland is, size, and regulatory status
- Letter will be sent to applicant and is valid for 2 years
- Fee applicable for determination



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Vegetative Letter of Permission



Letters of Permission for Vegetative Maintenance

- Different than Article IV LOP
- Vegetative maintenance in wetlands and buffers is allowed without a formal permit
- Submit written description of goals, objectives, and a management plan
- Must be ecologically beneficial

General Certifications may also apply in wetlands & buffers



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Questions?



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