

# Fab Fox! Water Trail Access Infrastructure Various, Kane County

**Client:**

**Kane County  
Development Department**  
Karen Ann Miller, AICP  
719 S. Batavia Ave.  
Geneva, IL 60134  
Office (630)232-3418

**Project Locations and Contacts:**

**Montgomery Park**

N. River Street & Mill Street  
Montgomery, IL

**Fox Valley Park District**

Jeff Palmquist, Dir. of Planning,  
Research, and Grants  
101 W. Illinois Ave.  
Aurora, IL 60506  
Office (630)966-4512

**Bartels Park**

Barrington Ave & Water Street  
East Dundee, IL

**Village of East Dundee**

Philip Cotter, Dir. of Public Works  
120 Barrington Ave.  
East Dundee, IL 60118  
Office (847)844-1256

**Clark Island Rec. Area**

401/411 S. River Street  
Batavia, IL

**Batavia Park District**

Kim Hansen, MS, CPRP  
327 W. Wilson Street  
Batavia, IL 60510  
Office (630)879-5235

**Riverside Park**

401/411 S. River Street  
Carpentersville, IL

**Village of Carpentersville**

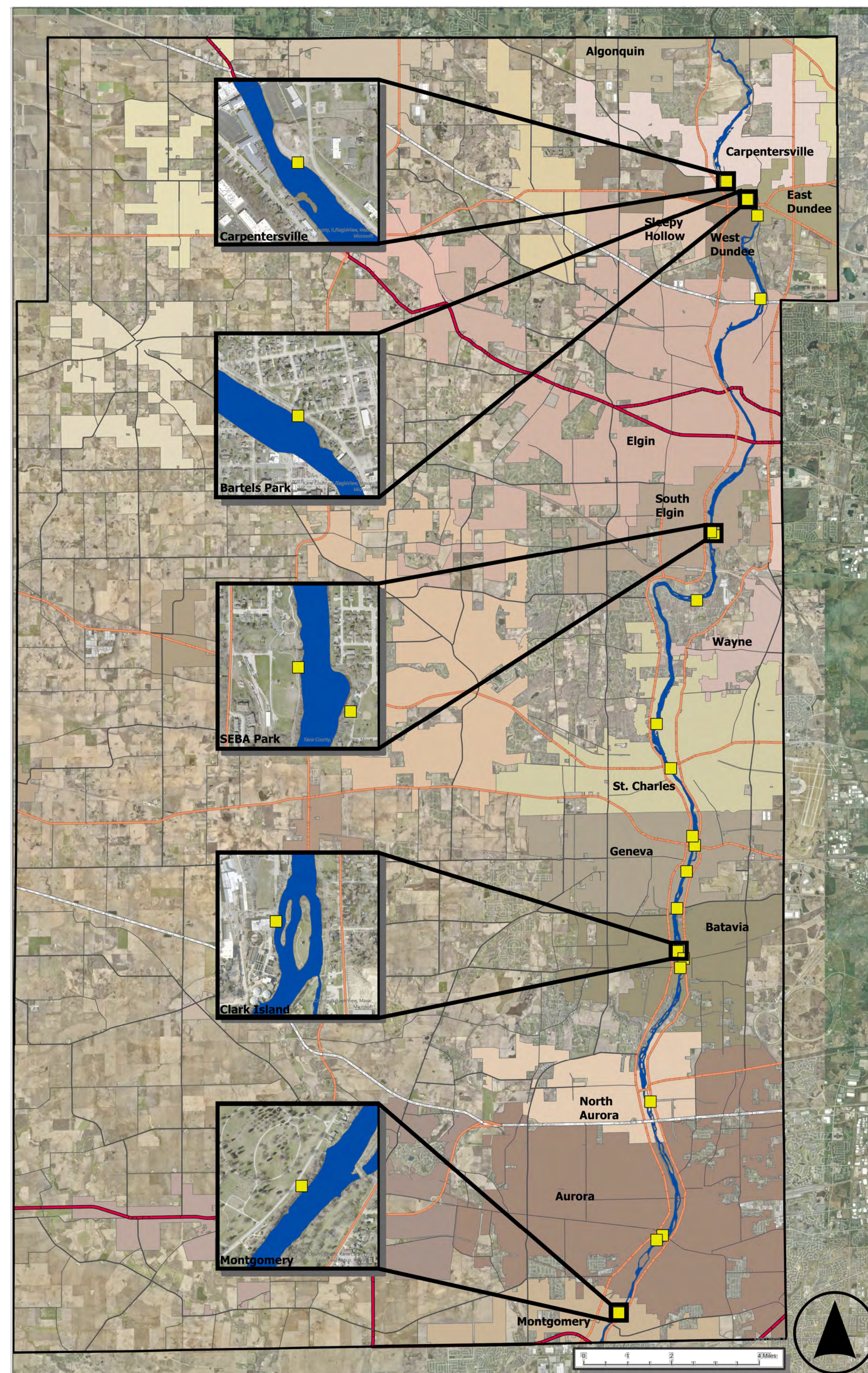
Ben Mason, Finance Director  
1200 L.W. Besinger Drive  
Carpentersville, IL 60110  
Office (847)551-3478

**SEBA Park**

151 S. Water Street  
South Elgin, IL

**Village of South Elgin**

Kim Wascher, Dir., Parks and Recreation  
1 W. State Street  
South Elgin, IL 60177  
Office (847)622-0003



Call J.U.L.I.E. 811 or (800) 892-0123 at least 48 hours before start of construction with the following:

County: Kane  
City or Township: Varies  
Tier, Range & Section: Varies

The information shown on this drawing concerning type and location of underground utilities is not guaranteed to be accurate or all inclusive. The Contractor is responsible for making their own determinations as to the type and location of underground utilities as may be necessary to avoid damage thereto.

**PROFESSIONAL SEAL**



Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
License Expires: \_\_\_\_\_

This document shall not be considered a valid technical submittal unless it bears an original seal and signature.

Base Information by:  
See Subset Cover Sheets

No.	Revision/Issue	Date

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Infrastructure  
Various, Kane County

Cover

PROJECT NO:	23-0229	SHEET NO:	<b>G0.0</b>
DESIGNED BY:	XXX	PAGE NO:	
DRAWN BY:	XXX	XX of XX	
CHECKED BY:	XXX		
APPROVED BY:	XXX		
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Issued for Bid

**GENERAL NOTES AND CONSTRUCTION SPECIFICATIONS**

- All construction shall be in accordance with the applicable sections of the following, except as modified herein or on the plans:
  - "Standard Specifications for Road and Bridge Construction" (Latest Edition), by the Illinois Department of Transportation (SSRBC) and "Supplemental Specifications and Recurring Special Provisions" (Latest Edition) for all improvements except for sanitary sewer, watermain and plumbing construction;
  - Standard Specifications for Water and Sewer Main Construction in Illinois" (Latest Edition) (SSWS) for sanitary and water main construction;
  - Local Municipal code;
  - The Metropolitan Water Reclamation District of Greater Chicago (MWRD) Watershed Management Ordinance and Technical Guidance Manual;
  - Illinois Plumbing Code;
  - International Mechanical Code;
  - In case of conflict between the applicable ordinances noted, the more stringent shall take precedence and shall control all construction.
- The Contractor shall examine all plans and specifications, visit the site of the work and inform themself fully with the work involved, general and local conditions, all Federal, State and local laws, ordinances, rules and regulations and all other pertinent items which may affect the cost and time of completion of this project before submitting a proposal.
- Prior to submitting a bid and beginning construction, the Contractor shall verify the lines and grades shown on the plans. If there are any discrepancies from what is shown on the plans, the Contractor shall immediately report them to the Owner prior to performing the work. The Contractor shall be responsible for coordination of work as required.
- Prior to submitting his bid, the Contractor shall call the attention of the Engineer to any material or equipment he deems inadequate and to any item of work omitted.
- Location of above and belowground utilities shown on plans are for information only and represent the best knowledge of the Engineer. Contractor shall make his own investigations as to location and elevation of all utilities, existing underground structures, cables and pipe lines prior to the start of construction operations.
- If existing utility lines of any nature are encountered which conflict in location with new construction, the Contractor shall notify the Engineer and Owner so that the conflict may be resolved.
- The Contractor shall notify the J.U.L.I.E. (811 or 1-800-892-0123) at least ten days prior to construction so that each utility company can stake out any underground improvements that they may have which might interfere with the proposed construction.
- The Contractor shall be responsible for providing the necessary protection of all existing private and public utilities in conformance with the affected utility company's requirements as may be required to perform the work. Any utility that is damaged during construction shall be repaired or replaced by the Contractor at their own expense to the satisfaction of the Engineer, Owner and/or utility company.
- The Contractor shall be required to make arrangements for the proper bracing, shoring and other required protection of all roadways, buildings, structures, poles, cables and pipe lines, before construction begins. Contractor shall be responsible for any damage to the site, streets, roadway, structures and shall make repairs as necessary to the satisfaction of the Engineer and Owner at the Contractor's own expense.
- The work performed under this contract shall in no way interfere with the normal operation of any existing utility service. The Contractor shall furnish all necessary items of equipment required to maintain such normal operations at no additional expense to the Owner.
- The Contractor shall obtain, erect, maintain and remove all signs, barricades, flagmen and other control devices as may be necessary for the purpose of regulating, warning or guiding traffic. Placement and maintenance of all traffic control devices shall be in accordance with the applicable parts of Article 1106 of the SSRBC and the "Standard Specifications for Traffic Control Items".
- The Contractor shall restore any area disturbed outside the construction site to a condition equal to or better than its original use. This shall include finish grading, establishment of a vegetative cover (seeding or sod), general cleanup and pavement replacement.
- All new and existing utility structures on site and in areas disturbed during construction shall be adjusted to final grade prior to final inspection. No additional compensation shall be paid and said adjustments shall be considered incidental.
- All trenches caused by the construction of sewers, service sewers, piping, utilities, and the excavation around catch basins, manholes, inlets and other appurtenances which occur within the limits of existing or proposed pavements, sidewalks and curb and gutters or where the edge of the trench shall be within two feet (2') of said improvements shall be backfilled with approved suitable select material and properly compacted.
- The Contractor shall be responsible for providing safe and healthful working conditions throughout the construction of the proposed improvements.
- The Contractor shall protect and carefully preserve all section or subsection monuments, lot irons, or other property or reference markers until the Engineer, his agent or an authorized surveyor has witnessed or otherwise referenced their location. Any damages shall be replaced by the Contractor and said cost of replacement shall be paid by the Contractor.
- The Contractor shall provide a written work schedule and shall update

said schedule as required. A minimum twenty-four (24) hour notice shall be given for any item that requires approval or inspection.

- The Owner, Owner's Representative, municipality, or regulatory agency shall have the authority to inspect, approve and reject the construction improvements.
- Before acceptance by the Owner and final payment, all work shall be inspected and approved by the Engineer and Owner. Final payments shall be made after all of the Contractor's work has been approved and accepted.
- The Contractor is responsible for coordinating any required inspections with the Owner, Engineer and other agencies.
- If any approved equal items are proposed, the Contractor shall contact the Engineer for written approval prior to use or installation.
- The Engineer and Owner are not responsible for the construction means, methods, techniques, sequences or procedures, time of performance, programs or for any safety precautions used by the Contractor. The Contractor is solely responsible for execution of his work in accordance with the contract documents and specifications.
- Permits and licenses of a temporary nature necessary for the prosecution of the work shall be secured and paid for by the Contractor.
- The Contractor will have in his possession on the job site a copy of the plans and specifications during construction.
- Special attention is drawn to the fact that Article 105.06 of the SSRBC requires the Contractor to have a competent superintendent on the project site at all times, irrespective of the amount of work sublet. The superintendent shall be capable of reading and understanding the plans and specifications, shall have full authority to execute orders to expedite the project, shall be responsible for scheduling and have control of all work as the agent of the Contractor. Failure to comply with this provision will result in a suspension of work as provided in Article 108.07.
- Record drawings shall be kept by the Contractor and submitted to the Engineer within 30 days of completion of the project, or as mutually agreed upon by the Engineer. Final payments to the Contractor shall be held until they are received. Any changes in length, location or alignment shall be shown in red. All wyes or bends shall be located from the downstream manhole.
- The Contractor(s) shall indemnify the Owner, Engineer, Municipality and their agents, etc. from all liability involved with the construction, installation, or testing of work on the project.
- Contractor is responsible for all site layout, including verification of benchmarks provided within the plans. If the Contractor identifies a discrepancy, it shall be brought to the attention of the Engineer immediately. DuPage County is not responsible for any rework on the project required due to improper grade stakes or failure of Contractor to verify existing benchmarks.
- Any modifications of a drainage tile shall comply with the Illinois Drainage Code, and Section 15-77.

**EARTHWORK AND GRADING CONSTRUCTION**

All work done under this heading will be done in accordance with applicable provisions of the "Standard Specifications for Road and Bridge Construction", State of Illinois, Department of Transportation, adopted January 1, 2022.

- Work under this section shall include, but not be limited to, the following:
  - Clearing and removal of all undesirable vegetative growth within the construction area except as noted otherwise on the plans.
  - Placement and construction of structural and non-structural fills.
  - Movement and compaction of spoil material from the construction of underground utilities.
  - Final shaping and trimming to the lines, grades and cross-sections shown in these plans, and topsoil placement to design finish grade elevations.
  - Soil erosion control measures in accordance with the applicable specifications and county requirements.
- Silt fence as shown in the construction plans shall be erected prior to start of work.
- It is the Contractor's responsibility to determine all material quantities and the Contractor should be familiar with all site conditions. No claims for extra work will be recognized unless ordered in writing by the Owner.
- The grading and construction of the site improvements shall not cause ponding of stormwater except as noted on the plans. All areas adjacent to these improvements shall be graded to allow positive drainage.
- The proposed grading elevations shown on the plans are finish grade. For all landscape areas, a minimum of six inches (6") of topsoil (4" min. in sodded areas) is to be placed before finish grade elevations are achieved, except where noted otherwise.
- All disturbed areas to be seeded or planted as specified on the Restoration or Planting Plans. Any disturbed areas not specified on the Restoration Plans shall be replaced in kind.
- Detailed drawings for any sheeting and bracing shall be provided for review to the Owner's representative prior to implementation of the method. A trench box shall be available on the job site at all times and be utilized in accordance with OSHA standards.
- Suitable excavated materials subject to the review of the Owner's representative may be used to backfill the excavated areas of the site; unless shown otherwise.
- No underground work shall be covered until it has been reviewed by the Engineer.

**SEDIMENTATION AND EROSION CONTROL NOTES**

All soil erosion and sedimentation control measures shall be in accordance with the "Standard Specifications for Road and Bridge Construction", State of Illinois, Department of Transportation, adopted January 1, 2022, and the codes and ordinances of the local municipal and county agencies.

- Soil disturbance shall be conducted in such a manner as to minimize erosion. Soil stabilization measures shall consider the time of year, site conditions and the use of temporary or permanent measures.
- Soil erosion and sediment control features shall be constructed prior to the commencement of disturbance.
- Temporary soil stabilization shall be applied to disturbed areas within 7 calendar days of the end of the active hydrologic disturbance. Permanent stabilization shall be completed within 14 days after completion of final grading of the soil.
- All storm sewer facilities that are or will be functioning during construction shall be protected, filtered or otherwise treated to remove sediment.
- All temporary erosion and sediment control measures shall be removed within 30 days after final site stabilization is achieved or after temporary measures are no longer needed. Trapped sediment and other disturbed soil areas shall be permanently stabilized.
- All temporary and permanent erosion control measures must be maintained and repaired as needed. The Contractor will be responsible for inspection and repair during construction. The Owner will be responsible if erosion control is required after the Contractor has completed the project.
- The erosion control measures indicated on the plans are the minimum requirements. Additional measures may be required as directed by the Engineer, Owner, or governing agency.
- All affected tree shall be protected per details.
- No spoils, building materials, backfill, dumpsters, construction equipment, etc... shall be stored or parked within the parkway tree drip lines.
- Any work within the tree drip line or within seven (7) feet of the tree requires 24 hour advance notice is given to the Village Forester.

**KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) NOTES**

- Unless otherwise indicated, all vegetative and structural erosion and sediment control practices will be constructed according to minimum standards and specifications in the latest version of the Illinois Urban Manual.
- The Kane-DuPage Soil and Water Conservation District (KDSWCD) must be notified one week prior to the pre-construction conference, one week prior to the commencement of land disturbing activities, and one week prior to the final inspection.
- A copy of the approved erosion and sediment control plan shall be maintained on the site at all times.
- Prior to commencing land-disturbing activities in areas other than indicated on these plans (including but not limited to, additional phases of development and off-site borrow or waste areas) a supplementary erosion control plan shall be submitted to the owner for review by the KDSWCD.
- The contractor is responsible for installation of any additional erosion control measures necessary to prevent erosion and sedimentation as determined by the KDSWCD.
- During dewatering operations, water will be pumped into sediment basins or silt traps. Dewatering directly into field tiles or stormwater structures is prohibited.
- It is the responsibility of the landowner and/or general contractor to inform any sub-contractor(s) who may perform work on this project, of the requirements in implementing and maintaining these erosion control plans and the National Pollutant Discharge Elimination System (NPDES) permit requirements set forth by the Illinois EPA.

**REQUIREMENTS FOR IN-STREAM CONSTRUCTION ACTIVITIES**

The U.S. Army Corps of Engineers shall be contacted for a review of the proposed in-stream work plan which must be approved by the office prior to the commencement of work. The plan shall meet the erosion and sediment control standards listed below and include means and methods for completing work within a waterway. All cofferdams shall be constructed to allow the passage of high flows, maintain downstream flows, and withstand anticipated erosive forces. Cofferdams shall be designed and installed so as not to impede the movement of aquatic organisms.

**The following definitions apply to these notes:**

**Cofferdam:** a temporary structure within a waterway of body of water designed to provide a dry work area for temporary construction activities and to contain disturbed soil and/or suspended sediments.

**In-stream work area:** work occurring at or below the ordinary high water mark (OHWM) of a waterway or the normal water level (NWL) of abutting wetlands, including adjacent uplands.

**Dewatering:** the removal of water with the purpose of creating a dry work area for temporary construction activities.

**Work within a waterway must meet the following standards:**

- Work in the waterway should be timed to take place during low or no-flow conditions. Low flow conditions are flow at or below the normal water evaluations.
- The plan will be designed to allow for the conveyance of the 2-year peak flow past the work area without overtopping the cofferdam. The Corps has the discretion to reduce this requirement if documented by the applicant to be infeasible or unnecessary.
- Water shall be isolated for the in-stream work area using a cofferdam constructed of non-erodible materials (steel sheets, aqua barriers, rip rap and geotextile liner, etc.) Earthen cofferdams are not permissible.
- The cofferdam must be constructed from the upland area and no equipment may enter flowing water at any time. If the installation of the cofferdam cannot be completed from shore and access is needed to reach the area to be coffered, other measures, such as the construction of a causeway; will be necessary to ensure that equipment does not enter the water. Once the cofferdam is in place and the isolated area is dewatered, equipment may enter the coffered area to perform the required work.
- If bypass pumping is necessary, the intake hose shall be placed on a stable surface or floated to prevent sediment from entering the hose. The bypass discharge shall be placed on a non-erodible, energy dissipating surface prior to rejoining the stream flow and shall not cause erosion. Filtering of bypass water is not necessary unless the bypass water has become sediment-laden as a result of the current construction activities.
- During dewatering of the coffered work area, all sediment-laden water must be filtered to remove sediment. Possible options for sediment removal include baffle systems, anionic polymers systems, dewatering bags, or other appropriate methods. Water shall have sediment removed prior to being re-introduced to the downstream waterway. A stabilized conveyance from the dewatering device to the waterway must be identified in the plan. Discharge water is considered clean if it does not result in visually identifiable degradation of water clarity.
- The area from the toe to the top of the side slope shall be temporarily stabilized during construction to reduce the potential for erosion. All areas disturbed due to construction activities shall be restored to proposed conditions and fully stabilized prior to accepting flows

**LEGEND**



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 Various, Kane County

**General Notes**

PROJECT NO:	23-0229	SHEET NO:	
DESIGNED BY:	XXX	<b>G0.1</b>	
DRAWN BY:	XXX		
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APPROVED BY:	XXX	PAGE NO:	
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