

# IMPLEMENTING CONSERVATION PRACTICES

PLANNING, DESIGN, CONSTRUCTION, VERIFICATION, MAINTENANCE

LAND CONSERVATION COMMITTEE MEETING

JULY 25, 2024

AMY PIAGET, COUNTY CONSERVATIONIST





## 9 STEP CONSERVATION PLANNING PROCESS

1. Identify problems and opportunities.
2. Determine objectives.
3. Inventory resources.
4. Analyze resource data.
5. Formulate alternatives.
6. Evaluate alternatives.
7. Make decisions.
8. Implement the plan.
9. Evaluate the plan.



# RESOURCE CONCERNS



Erosion

Manure management

Runoff

Water quality

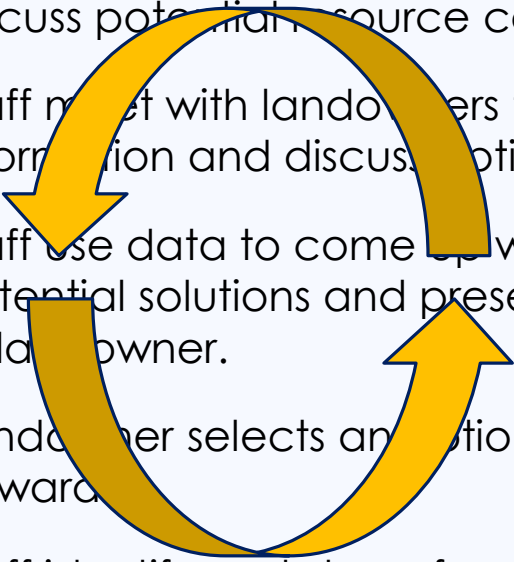
Water quantity

Habitat

Carbon sequestration

# PLANNING

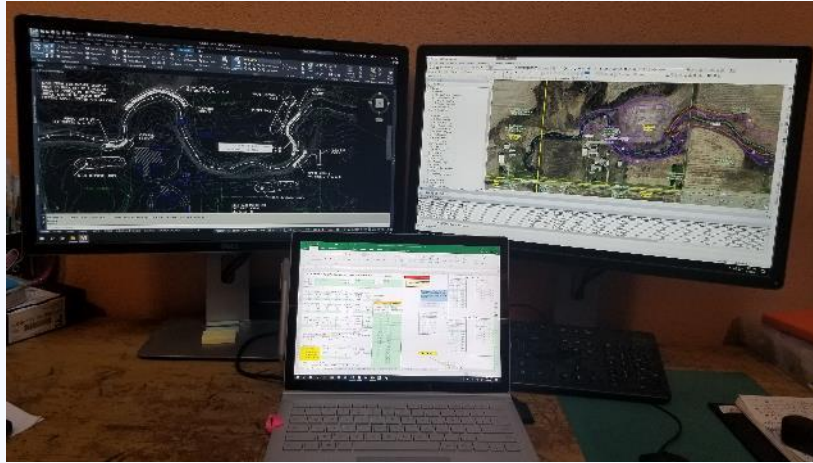
- ❑ Landowners contact LCD staff to discuss potential resource concerns.
- ❑ Staff meet with landowners to collect information and discuss options.
- ❑ Staff use data to come up with potential solutions and present options to landowner.
- ❑ Landowner selects an option to move forward.
- ❑ Staff identify cost-share funding options and provide technical assistance as needed.



# TECHNICAL ASSISTANCE



SURVEY



DESIGN



SITE LAYOUT

# CONSTRUCTION



- Review design materials with landowner
- Permitting (if required)
- Assist landowner with bidding project (if requested)
- Pre-construction meetings
- Construction oversight
- Contract modifications
- Weather



# CONSTRUCTION INSPECTIONS





# CERTIFICATION

- Ensure practices are installed properly and in accordance with design standards
- Document materials used meet requirements
- Collect official as-built locational information
- Identify repairs (if needed)



# OPERATION & MAINTENANCE



# VERIFICATION



- Review practices to ensure still functioning as designed.
- Implementation of operation & maintenance plan.
- Identify potential concerns or repairs.
  - Farmland Preservation Program
  - Adaptive Management & WQT agreements
  - Grant requirements
  - Ordinance compliance





# Overarching Process

- ✓ Used for all the work Land Conservation staff conduct for all projects regardless watershed, funding source, etc.
- ✓ Standardized data collection, tracking, and reporting of practices and benefits (i.e. phosphorus reductions, carbon sequestrations, etc.)

Questions?

