## **Step 1**: Discuss & Determine

### What are **YOUR** Drainage Goals?

- Maximize Yield?
- Reduce Financial Risk?
- Enhance Soil Aeration?
- Extend the Planting & Harvest Window?
- Improve Weed & Pest Control?
- Higher Drought Tolerance & Deeper Developed Root Systems?
- Reduce Compaction & Erosion?
- Higher Input Absorption and Utilization?
- Healthier Soil Environment?
  - Corn yield increase 15-40%
  - Soybean yield increase 10-30%
- Environmental Conservation Practices?
- Increased Land Value & Peace of Mind?

These are just a few possible drainage goals that we can help you with when you call!

**★** Tile your field for maximum yield!

## Step 2: Design & Develop

#### **How to Achieve Your Drainage Goals?**

We will assess, design, and develop a specific drainage plan that is tailored to you.

A cost-benefit analysis is conducted to calculate the return on investment (ROI) of your proposed drainage project.

- We evaluate relevant informationincluding drainage maps, GIS data, LiDAR, drone imagery, soil types, topography, water table levels, crop history, and field usage
- Drainage coefficient and project requirements would be determined
- Strategically placed tile lines will be positioned for future tile additions and complement existing natural topography
- We utilize a Wolfe 600 parallel link plow to automate the tile installation process
- Various drainage preferences can be discussed and incorporated
- Bright, full colored, digital, GPS map of completed assessment and/or project

**Services**: - Drainage - Excavating - Grading - Land Clearing - Septic - Material Hauling

# **Step 3**: Deploy & Deliver

#### When & Where to Begin Installation?

Farm drainage is a once-in-a-lifetime investment. That's why it's essential to have a system that's professionally designed, properly installed, and completed on schedule.

We'll keep you in the loop every step of the way. After we finalize your drainage plan, align with your timeline, and the field's ready, we haul in the equipment and get to work.

### **Cover Crop Benefits**

Crops like Brassica Radish, Triticale, and
Cereal Rye help break up soil compaction
deeper within the soil profile
Species such as Oats, Turnips, and Red Clover
alleviate surface crusting and improving soil
structure near the top layer

Michael Erpelding: (515) 341-6280 www.engineeredfarmdrainage.com



GPS & Locating Equipment



Installing 15" Dual Wall Pipe



Tile your field for maximum yield!









**Services**: - Drainage - Excavating - Grading - Land Clearing - Septic - Material Hauling



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"Tile your field for maximum yield"

Maximize your land's full potential—season after season— with custom tile drainage systems tailored to your field's unique needs.

<u>Services</u>: - Drainage - Excavating - Grading - Land Clearing - Septic - Material Hauling