

UNITY DRAINAGE DISTRICT #3

DITCH DREDGING



Location

Piatt & Monroe County, Illinois

Timeline

2017 -2018

Contractors

Pharis Excavation



Unity Drainage District #3 was established in to help finance and manage drainage improvements in Piatt & Moultrie County. In 2016, C2 Engineers were contracted to help develop a plan to dredge approximately 9 miles of a large drainage ditch west of Atwood, IL.

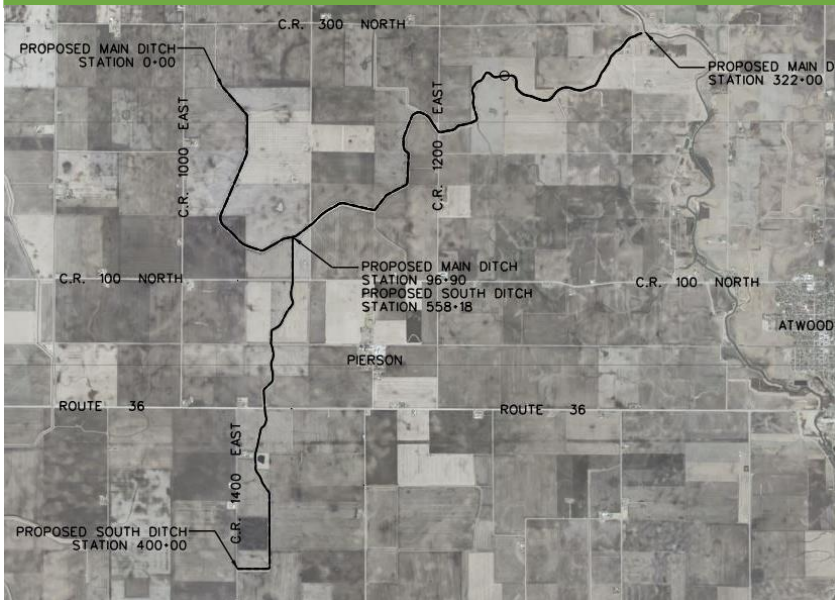
Scope of Work:

- Remove built up silt deposits and overgrown vegetation within the lower portion of the ditch and spread spoils along existing filter strip adjacent to the ditch.
- Regrade ditch to improve open channel flow.

UNITY DRAINAGE DISTRICT #3

DITCH DREDGING

SILT & OVERGROWN VEGETATION IN EXISTING DRAINAGE DITCH



The Challenges:

1. Extremely limited grade for positive drainage (~0.05% along ditch centerline)
2. Permitting through multiple agencies including IDNR, IEPA, IHPA, and USACE

Solutions provided by C2:

1. Provided thorough topographic survey along 9 miles of ditch line to properly design proposed ditch grades and quantify the amount of material to be dredged to seek multiple bids
2. Developed construction plans and obtained the required permits from IDNR, IEPA, IHPA, and USACE to perform the work

C2 Engineers provided topographic survey, design, bidding, and construction layout services within contractual obligations.

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