



**Village of Oreana
Board of Trustees**

Meeting Agenda

Meeting Date and Time: Feb 1st @ 6:00 PM

Meeting Location: 407 S. View St, Oreana, IL

Call to Order

Role Call

Public Comment

Old Business

New Business

- Study Session: West Plains Drainage *No action to be taken

Adjournment

MEMORANDUM

To: Village of Oreana President and Board of Trustees
From: Matthew B. Foster, PE, PLS
Date: January 26, 2022
cc: None
Re: West Plains Drainage Improvements

Honorable President and Trustees,

We have reached a point with this project where additional direction is necessary from the Board. In discussions with the Templeton property's representative, we can't confirm where the field tile that leaves the Village limits around the intersection of West Plains Dr and Westmoor Dr eventually connects to the field tile system and eventual outfall to a ditch. Based on the information we have been able to assemble, the amount of pipe we may need could be anywhere from 2,500' to 2 miles in length. The Village has three options to consider in regard to this project.

1. Do nothing. We could drop the project at this point. Eventually, the existing outfall pipe will completely fail. Water will permanently pond in the low point at the intersection until it can infiltrate the ground or evaporate. A future Board will likely need to revisit the project at that point.
2. Proceed with replacement of the tile out into the field west of town. Easements for the tile would need to be acquired from adjacent property owners. Chastain would need to prepare plans for bidding as well. This option has a significant amount of risk in terms of potential cost. Without being able to determine the connection point or eventual outfall location, there is significant potential for large change orders to the contract during construction.
3. Begin looking for other potential storm water outfall locations. An alternative solution with less uncertainty could be determined which would reduce risk and ensure that Village funds are spent in a sound manner to mitigate the issue of ponding surface water at the intersection of West Plains and Westmoor. We anticipate the following general scope and steps would be necessary in order to proceed with this option:
 - a. Review existing information to determine potential alternative outlet points for surface runoff that collects and ponds in the existing condition.
 - b. Field investigation to confirm initial feasibility of potential outlet point(s), land ownership review, and selection of the most desirable outlet point. Minor survey may be required.
 - c. Preliminary concept design and initial cost estimate. Approximate quantity of above ground or underground systems to be determined. Explore funding alternatives.

MEMORANDUM

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- d. Coordination and preliminary negotiation with involved stakeholders to include the Village, involved public agencies (IDOT, Macon County, etc.), railroad(s), and affected citizens. Potential concept alterations considered.
- e. Field survey to pick up all remaining details of project corridor.
- f. Final design to include refinement of the concept, plans, quantities, construction estimate, and bid package preparation. Plat and easement preparation and final negotiations.
- g. Competitive bid letting and project construction.

Thank you for the opportunity to serve the Village in this matter, I look forward to hearing your input and answering any questions you may have soon. If you have any further questions after the meeting, please feel free to call me at either 217-429-8800x1165 (W) or 217-454-7330 (C) or email me at mfoster@chastainengineers.com.

