



CRAIG-Y-NOS NEIGHBORHOOD SANITARY SEWER

October 22, 2024

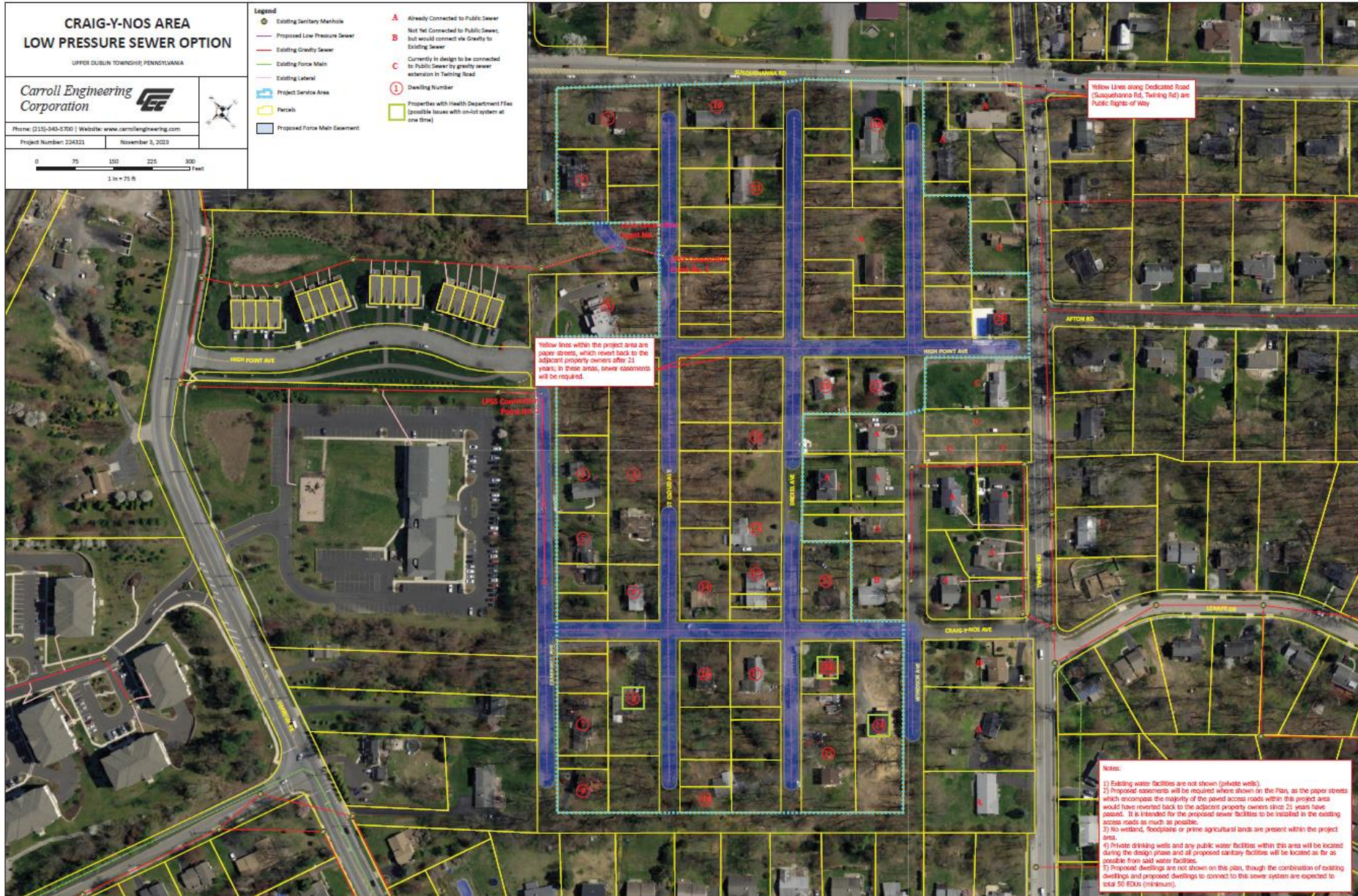
Presented by Carroll Engineering Corporation



General Outline

- The PA Department of Environmental Protection is requiring that public sanitary sewer be brought to the area known as the Craig-Y-Nos neighborhood, generally bordered by Susquehanna Road, Limekiln Pike and Twining Road, in order to eliminate issues with existing on-lot systems.
- It was required that a Component 3M document be submitted to DEP for approval. This was approved by DEP on November 27, 2023.
- The Component 3M was submitted and approved as a low-pressure sanitary sewer system.

Discussion of the Proposed Service Area Plan





Individual Meetings

- Individual meetings were offered and held with affected residents during the week of September 22nd and September 30th.
- The topographic survey of the project area was completed earlier this year, and the results were presented at these individual meetings.
- The most common questions that were asked at these meetings are as follows:



Questions from the Individual Meetings

- Question: How long will construction last?
- Answer: The construction contract is expected to be six months, though that allows time in the beginning for paperwork and review of product information. The actual construction time will be somewhat less, with the contractor installing an expected 100 to 200 feet of pipe per day which includes excavating and backfilling the trench.



Questions from the Individual Meetings

- Question: How will traffic be maintained while the construction is ongoing?
- Answer: The Contractor will be required to maintain all access through the neighborhood as the project is progressing. The low-pressure sewer option will keep trenches narrow, and the Contractor will be required to widen any access ways temporarily to permit vehicles to pass their current work location. Temporary steel road plates would be used as necessary.



Questions from the Individual Meetings

- Question: How will the paper streets be addressed for installing the low-pressure sewer and for future maintenance of the system?
- Answer: BCWSA would take dedication of the low-pressure mains that would be installed in the paper street areas, and they would require that a 30-foot wide sewer easement be granted to allow them to maintain those main lines. The Township will work with the property owners to obtain those easements. The property owner would be responsible for future maintenance of their grinder pump system and the lateral from the grinder pump to the low-pressure main.



Questions from the Individual Meetings

- Question: What is the monthly sewer fee that BCWSA will charge once connected to their system?
- Answer: BCWSA's flat sewer fee, which they use for any property that is not on public water and therefore does not have a water meter to show actual water use, is \$52.69 per month. BCWSA typically bills on a quarterly basis, which would be $\$52.69 \times 3 \text{ months} = \158.07 per quarter.



Questions from the Individual Meetings

- Question: Will septic tank closures be included in the sewer project?
- Answer: It was not originally intended to include this in the Township sewer project, though enough property owners indicated their desire to have this incorporated into the project. This would add approximately \$2,500 to each property owner's share of the project, though it is believed that the best price for this will be had by lumping them all together and to have the permitting process for tank closures handled within the overall project.



Questions from the Individual Meetings

- Question: How will my septic tank be taken off-line and the grinder pump put into operation?
- Answer: No prolonged outages of sanitary sewer service will be permitted with this project. After all low-pressure mains are installed and tested in the paper street areas, the Contractor will be required to fully test the grinder pump system at each property with clean water that they provide, prior to intercepting the lateral between the dwelling and the septic tank and routing it to the grinder pump.
- The existing septic tank will remain in service up until this time.



Questions from the Individual Meetings

- Question: As a property owner, what will my involvement be in the project?
- Answer: The intent is to make this process as simple as possible for the owners. By incorporating the private property work into the overall project, such as the grinder pump installation and the septic tank closure, all typical permitting requirements can be put in the hands of the one Contractor to organize (property owners may need to sign some permitting forms, but typical fees would be waived).
- The Contractor will be required to set up individual meetings with the property owners to go over details of the grinder pump installation and work on that property, as well as provide advanced notice of the work schedule.



Questions from the Individual Meetings

- Question: If the existing electrical panel for my house is not adequate to handle the grinder pump, would costs to upgrade the electric panel be included as part of this project?
- Answer: No, that cost would need to be handled outside of this project. The Township will schedule and send a 3rd party company out to your residence to inspect the existing electrical panel.



Questions from the Individual Meetings

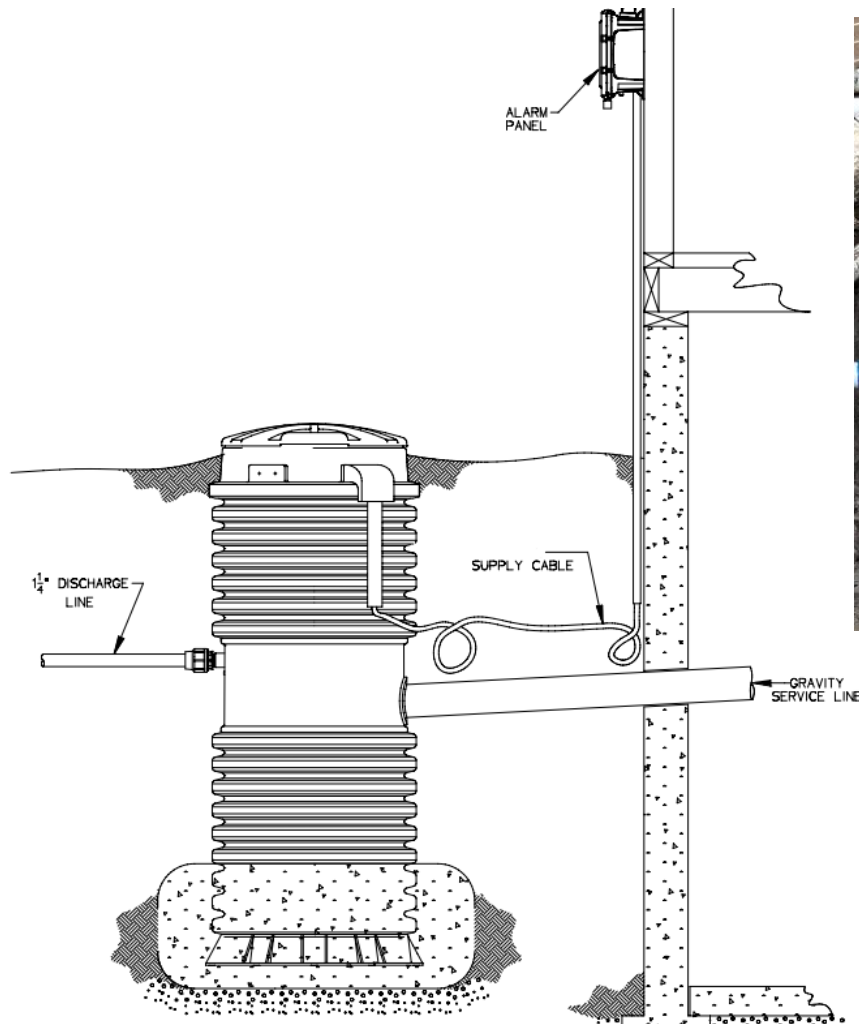
- Question: Can a battery backup be provided for the grinder pump so that it can pump some during a prolonged power outage?
- Answer: No, a portable generator would be required for that. However, there is storage capacity in the standard grinder pump wet well. The minimum sizes would have 70 gallons of storage, but larger can be specified.



Questions from the Individual Meetings

- Question: What is the project schedule?
- Answer: The schedule per the DEP-approved Component 3M is as follows:
 - Begin scheduling individual electrical inspections by 11/4/2024
 - Submit Permit Applications by 12/21/2024
 - Advertise for Public Bids by 3/21/2025
 - Award the Construction Project by 6/19/2025
 - Issue Notice to Proceed to the Contractor by 7/19/2025
 - Project Completion by 1/15/2026

Typical Grinder Pump Installation





Questions & Answers