

---

---

## TOWN OF FALMOUTH, MEMORANDUM

---

---

**TO:** NATHAN POORE  
**FROM:** PETE CLARK  
**SUBJECT:** SEWER REPLACEMENT, LONGWOODS AND WOODS ROAD  
**DATE:** MARCH 29, 2017  
**CC:** JAY REYNOLDS

---

The town sewer department has developed plans and specifications necessary to accommodate required modifications to existing sewer lines within the combined Town and Maine Department of Transportation project to revamp the intersection of Woods, Longwoods, and Middle Roads. The proposed work is estimated by our consultants to cost approximately \$160,000.

The pertinent factors affecting this relocation and short extension of sewer within the proposed project limits include:

- Sewer currently traverses the area and southerly approach of the proposed roundabout.
- Sewer in this area is fairly shallow, resulting in somewhat complex configurations to accommodate other underground utilities, primarily drainage.
- Invert elevations of the gravity sewer cannot be substantially changed from the existing elevations and replacement of the sewer to another location is not viable.
- MDOT has required that certain manholes, and consequently sewer lines, be relocated to move them to a more desirable spot within the proposed roundabout area.
- MDOT has authority to require the utility accommodate their plans.
- Sewer planning requires that this section of sewer be upsized in the project area to accommodate future flows and extended to someday accommodate a sewer extension in the northerly project approach from Longwoods Road.
- The increase in the diameter of recommended future sewer pipe complicates conflicts with other underground utility and favors installation in conjunction with the proposed project instead of at some future time.
- The roadway reconfiguration, bringing all traffic into the roundabout, also complicates any future underground work.
- There are economies in doing the work in conjunction with the planned road work, including mobilization and traffic control, for instance.
- Incorporating the sewer work now and as part of the road contract reduces the time the area will be disrupted and eliminates future disturbance when the larger sewer or Longwoods extension are needed.
- The sewer work is a component of MDOT's base bid, which I understand is preferable in obtaining competitive pricing.
- Bidding outside of the MDOT contract is expected to cost more as certain economies are lost by adding a second contractor solely to install the sewer and the time that the area will be under construction is increased.

The proposed sewer work will need to be funded from our capital plan. That plan includes the estimated cost of recommended sewer improvements from the intersection of Woods Road and along Middle Road to the Lunt Road pump station, albeit without an assigned beginning date, as we are still in the process of assigning priority to the various components of the recommended work and perhaps a more

encompassing approval from the town to begin the work recommended by the West Falmouth Sewer Master Plan.

The work needed in the area of the proposed roundabout project accelerates a small piece of planned upgrades. It accommodates the immediate MDOT and future growth requirement, minimizes disruption to the public, and appears to have favorable economy. Consequently I am recommending that we seek any added authorization to execute the attached agreement that may be necessary to incorporate the sewer work in the MDOT bidding. The recommended approach is similar to past projects we have been involved with in MDOT bridge work in town, Falmouth, Winn, and Middle Roads, all with similar or higher costs.

Should specific Council authorization be warranted from your view, I have also attached draft language that may be incorporated into the item package for Council consideration.