

Memorandum

To George Meservey, Director of Planning & Community Development
Michael Domenica, PE, Program Manager

CC Betsy Shreve, AICP, AECOM Project Director
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Subject **Town of Orleans, MA
Water Quality and Wastewater Planning
Task Number 1.b8 – Downtown Planning
Technical Memorandum on Management of Future Downtown Wastewater Flows
and Biosolids – Outline**

Project Number 60476644

From Thomas Parece, P.E., AECOM Project Manager

Date May 9, 2016

1. Background

- a. Purpose of Management of Future Downtown Wastewater Flows and Biosolids assessment.

2. Introduction

- a. Introduce contents of this Technical Memorandum:
 - (1) Methods to manage future downtown wastewater flows and allocate sewer capacity.
 - (2) Management of future downtown wastewater biosolids.

3. Management of Future Downtown Wastewater Flows

- a. Provide summary of projected wastewater flows for the Downtown Study Area.
 - (1) Build-out conditions.
 - (2) 2050 planning horizon.
- b. Provide summary of sewer and wastewater treatment facility (WWTF) construction phasing to accommodate 2050 planning horizon flows.

4. Management of Future Downtown Wastewater Biosolids

- a. Provide summary of projected biosolids for the Downtown Study Area.
 - (1) Build-out conditions.
 - (2) 2050 planning horizon.
- b. Provide description of biosolids process at the Downtown WWTF, and include detail on combined biosolids/septage processing and construction phasing.

5. Next Steps

- a. This Technical Memorandum represents the final deliverable for the Downtown Planning task.
- b. Continue with Facilities Preliminary Design Task and completion of the updated Comprehensive Wastewater Management Plan.