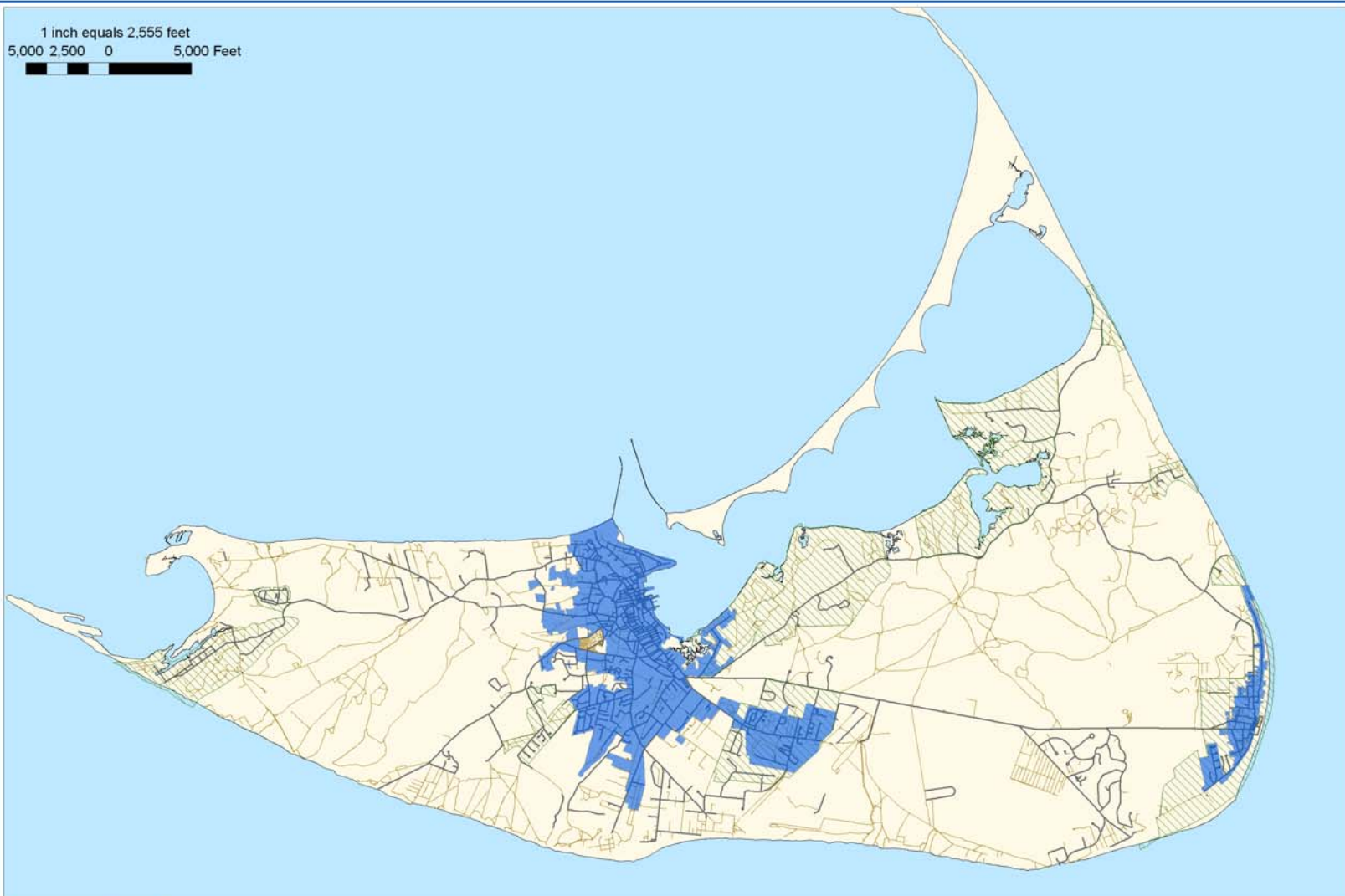


1 inch equals 2,555 feet
5,000 2,500 0 5,000 Feet



Legend

- Sewer Districts
- Identified

Street Surface

- PAVED
- UNPAVED

Please send identification of any errors and corresponding corrections to:

GIS Coordinator
Town of Nantucket
22 Federal Street
Nantucket, MA 02554



The data on this mapsheet represents the efforts of the Town of Nantucket and other contributing organizations to record and compile pertinent geographical and related information utilizing the capabilities of the Nantucket Geographic Information System (GIS). The GIS staff maintains an ongoing program to record and correct errors in these data that are brought to its attention. The Town of Nantucket makes no claims as to the absolute validity or reliability of these data or their fitness for any particular use.

04/24/2007

Town of Nantucket - GIS Mapsheet

Nantucket governmental agencies will not necessarily approve applications based solely on GIS data. Applicants for permits and licenses must inquire of the relevant agency for applicable requirements.

The presence of information on this mapsheet does not necessarily imply public right of way or the right of public access.

The geographic data on this mapsheet is based primarily upon interpretation of April, 2003, aerial photography. It was compiled to meet the AGPSR standard for Class 1 Map Accuracy for 1"=100' scale maps.

The parcel boundaries are based primarily upon the Tax Assessor's data through December, 2006.



Sewer Districts

Nantucket's Twenty-Seven Year Case Study: The Surfside Treatment Facility: A Chronology

- 1980:** Town article for \$21,000,000 (of which \$4,200,000 was the local share) **to build Surfside Wastewater Treatment Facility (SWTF)**, providing for primary treatment.
- 1989:** **SWTF appropriation increased** to \$25,000,000 and the local share to \$8,500,000.
- April 1999:** ATMTown appropriates \$700,000 for Earth Tech to prepare a **Comprehensive Wastewater Management Plan (CWMP)**.
- October 2003:** **Administrative Consent Order signed** limiting connections until SWTF upgraded and expanded.
- March 2004:** **CWMP completed.**
- April 2004:** ATMA appropriated \$3,430,000 for **I&I** to be paid by the Sewer Fund and \$2,250,000 for **design of an upgrade** to the SWTF. Both passed. A By-law amendment established sewer districts and privilege fees. No article presented for the full Surfside upgrade.
- October 2004:** STMBOS adopted Warrant with an **Article to appropriate \$35,530,000 for full upgrade and expansion**, with no recommendation other than 100% from the tax base. The Finance Committee recommended a 50% Sewer-Fund and 50% tax-base allocation. The Article was soundly **defeated**.
- March 2005:** BOS adopts April ATM 2005 Warrant with **no** funding for Surfside upgrade.
- March 2005:** **Citizen petition** submitted to call a STM to deal with CWMP and Surfside upgrade. BOS agrees to have the STM during the ATM.
- April 2005:** ATM\$3,135,000 appropriated for **I&I**.
- April 2005:** STMSTM passed a home rule petition to impose a ½% real-estate transfer tax to pay for the CWMP. Also, **STM overwhelmingly approved \$35,530,000** as a debt-service override on a 2/3 Sewer Fund and 1/3 real-estate tax basis
- April 2006:** ATMTransfer-tax home rule petition approved at April 2005 STM was **not** renewed and allowed to die. \$3 million appropriated for **I&I**.
- October 2006:** STMSurfside **cost increased** to \$45 million on same funding arrangement.
- December 2006:** The Sewer Advisory Committee Report is issued.
- April 2007:** ATM\$5 million appropriated for **I&I**. **Home rule petition** "to designate additional authority for sewer-related matters" was **passed** overwhelmingly.

Challenge:

Evaluate alternatives for a 20-year solution to wastewater collection, treatment and disposal needs of the Town.

Solution:

An Island-wide study to maintain and/or improve environmental conditions while determining costs, benefits for long-term sustainability, protection of the sole source aquifer and public health, and preservation of Nantucket Harbor, Madaket Harbor, Polpis Harbor and Sesachacha Pond

Area of Wastewater Disposal Need
Based on Wellhead Overlay
Protection Zone

Town WPZ

Challenge

- Wellhead Protection Zone
 - Private Water Supply & Wastewater Disposal
- #### Solution
- Septage Management Plan

Area of Wastewater Disposal Need
Based on Harbor Watershed Line

Pocomo

Challenge

- Nantucket Harbor Watershed
 - High Groundwater
 - Private Water Supply & Wastewater Disposal
- #### Solution
- Septage Management Plan

Monomoy

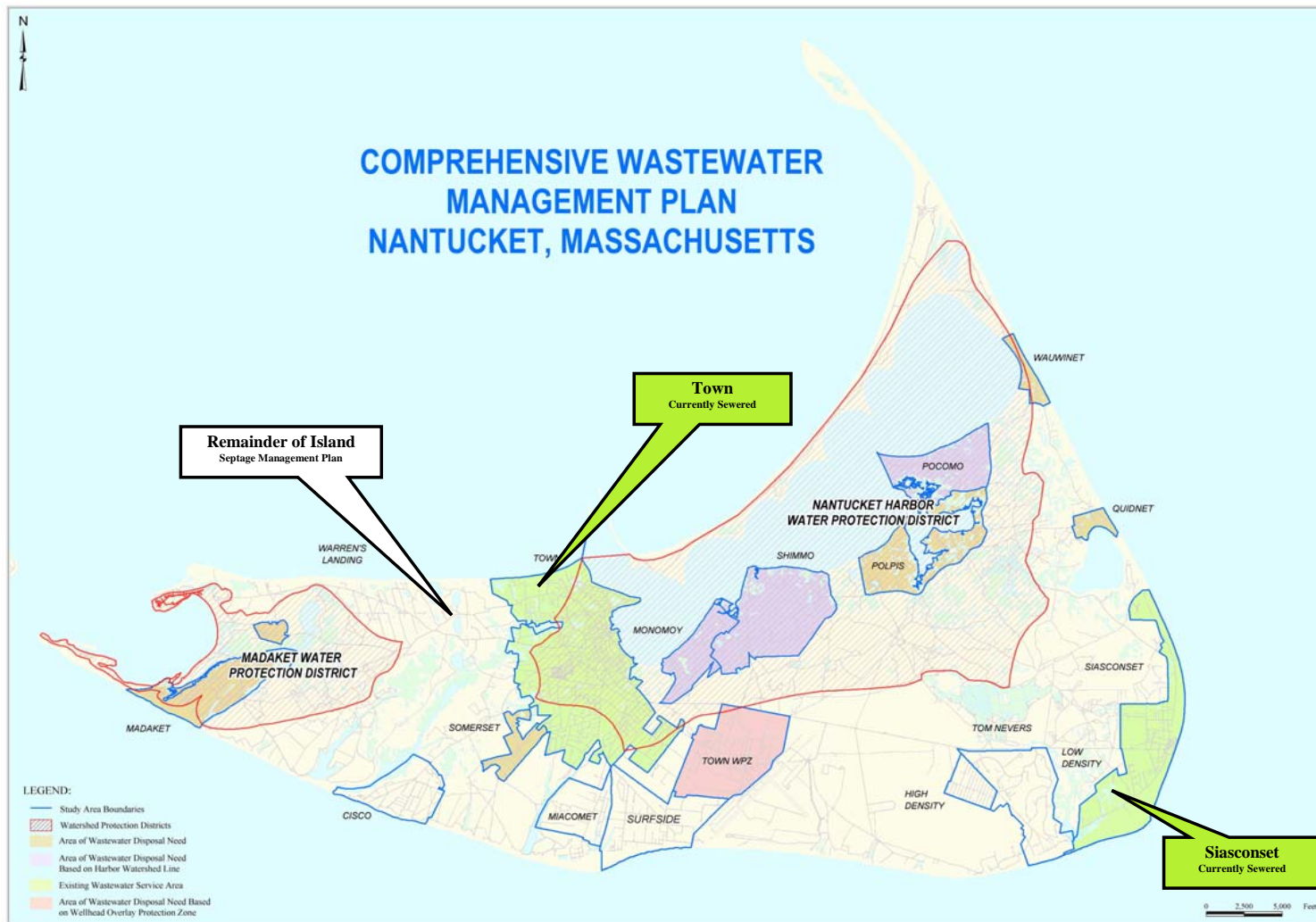
Challenge

- Nantucket Harbor Watershed
 - Private Water Supply & Wastewater Disposal
- #### Solution
- Connect into Existing Wastewater System

Shimmo

Challenge

- Nantucket Harbor Watershed
 - Private Water Supply & Wastewater Disposal
- #### Solution
- Connect into Existing Wastewater System



Area of Wastewater Disposal Need

Madaket

Challenge

- Small Dense Lots
 - Madaket Harbor Watershed
 - Private Water Supply & Wastewater Disposal
- #### Solution
- Decentralize Wastewater Treatment

Polpis

Challenge

- Nantucket Harbor Watershed
 - Degradation of Polpis Harbor
 - High Groundwater
 - Private Water Supply & Wastewater Disposal
- #### Solution
- Septage Management Plan

Quidnet

Challenge

- Topography
 - Small Dense Lots
 - Private Water & Wastewater Disposal
- #### Solution
- Septage Management Plan

Somerset

Challenge

- Small Dense Lots
 - Private Water & Wastewater Disposal
- #### Solution
- Connect into Existing Wastewater System

Warrens Landing

Challenge

- Madaket Harbor Watershed
 - Small Dense Lots
 - Private Wastewater Disposal
- #### Solution
- Decentralize Wastewater Treatment

Wauwinet

Challenge

- Small Dense Lots
 - Private Water Supply & Wastewater Disposal
- #### Solution
- Septage Management Plan

Prepared For: Town of Nantucket, Department of Public Works, 188 Madaket Road, Nantucket, MA 02554

For Additional Information Contact: Mr. Jeffrey Willett, Director, Department of Public Works, 508-228-7244

Prepared By: Earth Tech, Inc., 196 Baker Avenue, Concord, MA 01742, Contact: Mr. Thomas Parece, P.E., 978-371-4142

Date Prepared: June 2003