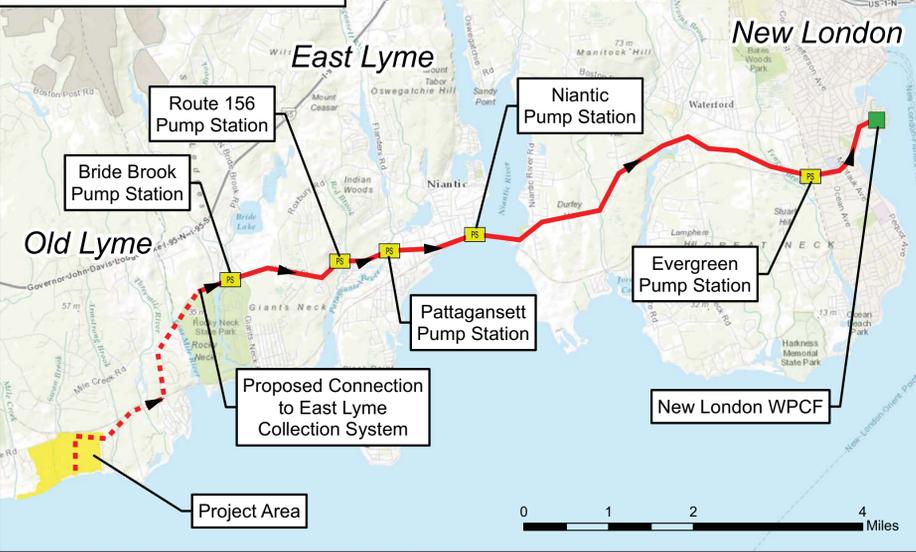


**Legend**  
**Sewer Infrastructure**  
 - Existing Sewer Infrastructure  
 - Proposed Transmission Main



Sub-Area	Equivalent Dwelling Units (EDU)	Average Daily Flow (GPD)			Max Daily Flow (GPD) <sup>3</sup>	Peak Hourly Flow (GPD) <sup>4</sup>
		Sanitary Flow	I/I <sup>2</sup>	Total		
2	159	28,620	4,076	32,696	61,316	118,556
5A	236	42,480	8,545	51,025	93,505	178,465
5B	286	51,480	8,879	60,359	111,839	214,799
6 <sup>1</sup>	211	37,989	4,273	42,262	80,251	156,229
7	218	39,240	4,727	43,967	83,207	161,687
8	206	37,080	6,545	43,625	80,705	154,865
Miscellaneous Town Area A	28	5,040	758	5,798	10,838	20,918
Miscellaneous Town Area B	46	8,280	1,697	9,977	18,257	34,817
<b>Total</b>	<b>1,390<sup>5</sup></b>	<b>250,209</b>	<b>39,500</b>	<b>289,709</b>	<b>539,918</b>	<b>1,040,336</b>

**Notes:**  
 1. Existing EDU calculation for Sub-Area 6 includes an additional 5% to account for existing non-residential contributions.  
 2. I/I calculation is based on a preliminary gravity sewer layout of 8-inch pipe, assuming 400 gpd/ftm.  
 3. Maximum Daily Flow is the Sanitary Flow multiplied by a safety factor of 2, added to I/I.  
 4. Peak Hourly Flow is the Sanitary Flow multiplied by a peaking factor of 4, added to I/I.  
 5. There are no flow allocations from currently undeveloped parcels in the project area.  
 EDU count is based on existing buildings on previously developed lots.

**Legend**  
 PS Pump Stations  
 Transmission Mains  
 Gravity Sewer Pipes  
 Sewer Service Area  
 Parcels  
 Undeveloped Parcels Excluded from the Project Area

**Sub-Areas**  
 2 - White Sand Beach  
 5A - Miami Beach  
 5B - Hawks Nest Beach

6 - Sound View Beach  
 7 - Old Colony Beach Club  
 8 - Old Lyme Shores Beach  
 Miscellaneous Town Area

Note: The proposed sewer layouts for Sub-Areas 5A, 7 and 8 are subject to review and revision by Fuss & O'Neil for the chartered beach communities.



Long Island Sound

Town of Old Lyme, CT  
 Coastal Wastewater Management Program  
**Recommended Alternative**  
**FIGURE 1 DRAFT**  
 SCALE: 1 in = 300 ft  
 DATE: SEPTEMBER 26, 2014  
 DOC: 2014-09-24\_Recommended\_Alt\_Dsize.mxd

WOODARD & CURRAN  
 DRAWN BY: ACB  
 PROJECT #: 226617

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