

Town of East Greenbush Wastewater Treatment Plant Public Information Session

The Chazen Companies and
Delaware Engineering, P.C.
December 20, 2012

Goals and Objectives

- * Address Aging Treatment Plant – 40 Years Old
- * Regulatory Compliance – Order on Consent
 - * Discharge Permit
 - * Sewer Connections
- * Support the Comprehensive Plan/Strategic Vision
- * Foster Economic Development

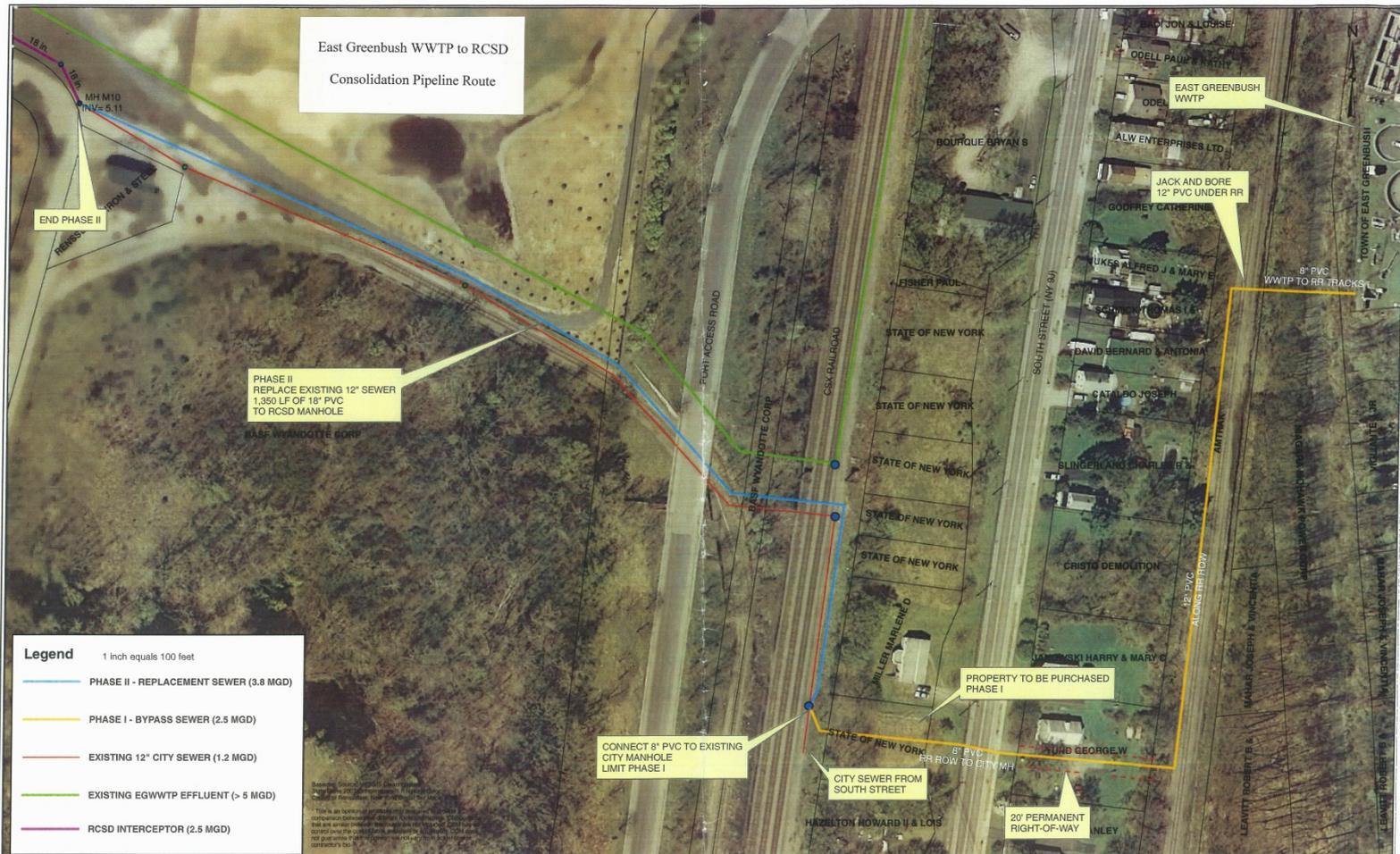
Existing Wastewater Treatment Plant



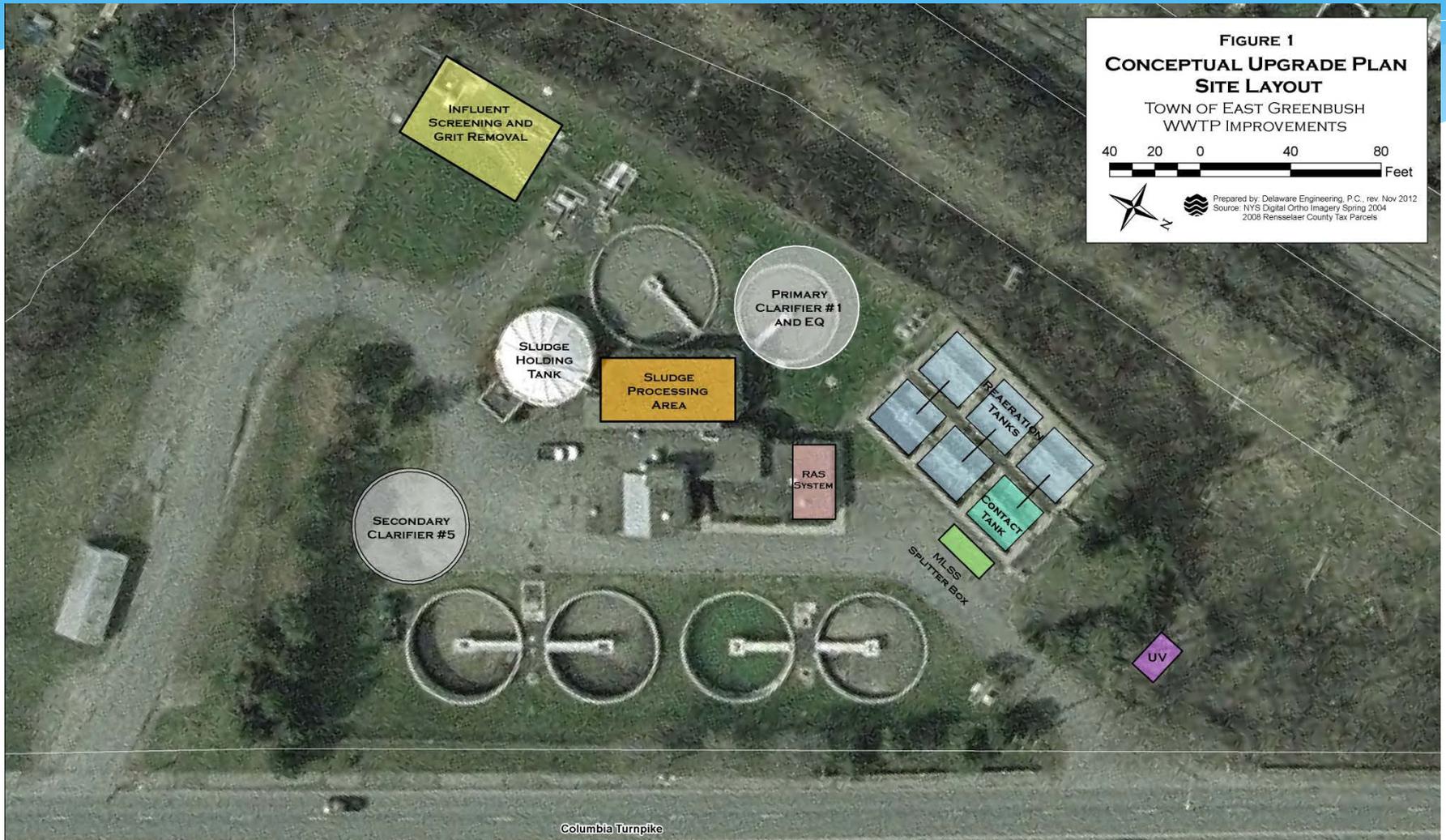
Options for Wastewater Treatment

- * Consolidate with Rensselaer County Sewer District (RCSD)
 - * Construct Pipeline to the Rensselaer County Sewer District, Decommission Town Wastewater Treatment Plant, and Construct Flow Equalization
 - * Operate & Maintain Collection System, Storm Sewers and Flow Equalization
- * Upgrade Town Wastewater Treatment Plant
 - * Replace and/or Upgrade Treatment Processes, Sludge Handling and Disinfection
 - * Operate & Maintain Collection System, Storm Sewers and Wastewater Treatment Plant

Consolidate with RCSD



Upgrade Town Plant



Comparison of Options

	Consolidate	Upgrade
Capacity ¹	2.5 MGD	4.4 MGD
Capital Investment ²	\$5,000,000	\$12,000,000
Existing Annual Sanitary/Storm Sewer O&M	\$333,072	\$333,072
Existing Annual Debt	\$833,225	\$833,225
Annual Wastewater Treatment	\$2,191,166 ³	\$971,432
Annual Employee Benefits	\$133,104	\$266,208
Annual New Debt	\$190,000	\$460,000
Total Annual Cost (All Debt + All O&M)	\$3,680,567	\$2,863,937
Increase over Current Annual Costs	\$1,477,630	\$460,000

1 - Three Year Annual Average Existing Flow = 2,013,000 GPD

2 - CWSRF Financing – 0.5% Interest, 30 Year Term

3 - Based on RCSD Sewer Rate on 7/1/2013 = \$2.85/1000 + Town EQ O&M Costs

Benefits and Drawbacks

	Consolidate	Upgrade
Regulatory Compliance	Benefit	Benefit
Town Control of Connections/Capacity	Drawback	Benefit
Guaranteed Treatment Capacity	Drawback	Benefit
Predictable Rate Structure	Drawback	Benefit
Total Annual Cost to Users	Drawback	Benefit

Next Steps

Activity	Schedule
Project Financing	Summer 2013
Design	January – July 2013
Regulatory Approvals	June – September 2013
Bidding	October – November 2013
Construction	December 2013 – December 2014
Capacity Available for Connections	Summer 2014
Full WWTP Regulatory Compliance	December 2014