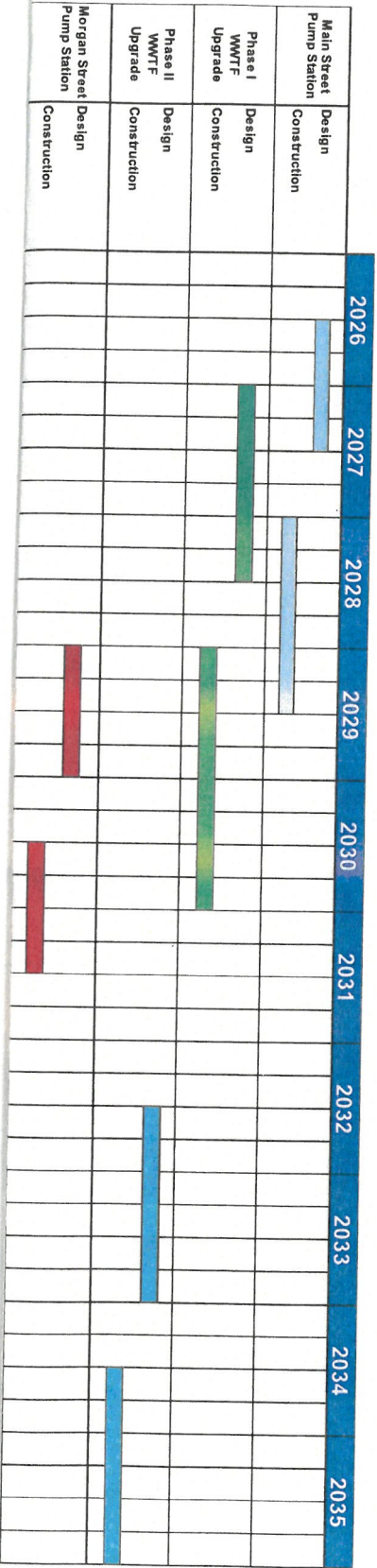


Figure 17
Implementation Schedule
South Hadley Wastewater Infrastructure Upgrades



Hadley, MA

**Table 7-1
Summary of Probable Project Cost - Wastewater Improvement Projects**

Item	Construction Cost (\$)
Pumping Stations	
Main Street	7,030,000
Stony Brook	20,000
Morgan Street	900,000
Topors	1,000,000
Old Sycamore	20,000
Subtotal	8,970,000
Engineering Design (10%)	900,000
Engineering During Construction (10%)	900,000
Construction Contingency (25%)	2,240,000
Total Project Cost	13,010,000
Principle Forgiveness	(800,000)
Net Project Cost	12,210,000
Annualized Net Project Cost ¹	760,000
Wastewater Treatment Facility	
Grit Removal	1,150,000
Primary Treatment	1,570,000
Biological Treatment System (including MLE upgrade)	6,190,000
Disinfection Improvements	320,000
Solids Handling	5,600,000
Electrical Systems	5,110,000
HVAC Systems	2,620,000
SCADA System	550,000
Plumbing Systems	700,000
Architectural Improvements	1,200,000
Site Restoration	750,000
Subtotal	25,760,000
Engineering Design (10%)	2,580,000
Engineering During Construction (10%)	2,580,000
Construction Contingency (25%)	6,440,000
Total Project Cost	37,360,000
Principle Forgiveness	(2,300,000)
Net Project Cost	35,060,000
Annualized Net Project Cost ¹	1,810,000
Additional Annual O&M Cost	20,000
Total Annual Cost	2,590,000

1. Engineering design cost financed at 4% over 20 years
 Pump station construction costs financed through CWSRF at 2% over 20 years
 Treatment facility construction costs financed through CWSRF at 0% over 20 years.
 Principle forgiveness equal to 6.6 of project cost less engineering design