Shaping a safe, sustainable, and equitable future.

Award-Winning Engineering and Environmental Solutions





APEX

Agenda

1. Current Water Supply Status
2. Immediate Actions Taken
3. Future Actions Underway

1 Current Water Supply Status

Withdrawal Permit

Permitted Capacity of All Wells:
4.11 MGD Maximum Day

Permitted Capacity of All Wells On-Line Wells
2.87 MGD – Maximum Day

(Carver's Pond Well 7 Abandoned, Vernon St. Well 1, Well 3 undeveloped)

Table 1-1: Town of Bridgewater Sources and Water Management Act Authorizations

Source Name	Treatment/Controls/Notes	WMA Permit	
		Source Code	Maximum Daily Withdrawal Rate (MGD)
Total Wells Combined Permit No. 9P-4-25-042.01	Bridgewater currently has 12 groundwater withdrawal points permitted		
High Street Wells	On-site Iron and Manganese Treatment		
Well No. 3	Routed to High St WTP for treatment	4042000-02G	1.62
Well No. 6		4042000-05G	
Well No. 9		4042000-10G	
Well No. 8	Well house, routed to High St WTP for treatment	4042000-09G	
Carver's Pond Wells	On-site Iron and Manganese Treatment		
Well No. 7	Abandoned, not in use	4042000-08G	0.14
Well No. 2	Well house with controls	4042000-04G	0.58
Well No. 5A	Well house with controls; Running at reduced flow rate due to screen issue	4042000-13G	0.24
Well No. 4A	Well house with controls	4042000-14G	0.43
Plymouth Street Wells	One well house with chemical addition only		
Well No. 10A	Offline due to water quality concerns	4042000-11G	0.23
Well No. 10B	Offline due to water quality concerns	4042000-12G	0.31
Vernon Street Wells	Not yet developed		
Well No. 1		TBD	0.56
Well No. 3		TBD	
Total			4.11

Withdrawal Permit

Permitted Capacity of Developed Wells:

2.870 MGD Maximum Day

1.86 MGD Average Day

Supply Demand 2025

2.389 MGD Maximum Day

1.614 MGD Average Day

Table 1-1: Town of Bridgewater Sources and Water Management Act Authorizations

Source Name	Treatment/Controls/Notes	WMA Permit	
		Source Code	Maximum Daily Withdrawal Rate (MGD)
Total Wells Combined Permit No. 9P-4-25-042.01	Bridgewater currently has 12 groundwater withdrawal points permitted		
High Street Wells	On-site Iron and Manganese Treatment		
Well No. 3	Routed to High St WTP for treatment	4042000-02G	1.62
Well No. 6		4042000-05G	
Well No. 9		4042000-10G	
Well No. 8	Well house, routed to High St WTP for treatment	4042000-09G	
Carver's Pond Wells	On-site Iron and Manganese Treatment		
Well No. 7	Abandoned, not in use	4042000-08G	0.14
Well No. 2	Well house with controls	4042000-04G	0.58
Well No. 5A	Well house with controls; Running at reduced flow rate due to screen issue	4042000-13G	0.24
Well No. 4A	Well house with controls	4042000-14G	0.43
Plymouth Street Wells	One well house with chemical addition only		
Well No. 10A	Offline due to water quality concerns	4042000-11G	0.23
Well No. 10B	Offline due to water quality concerns	4042000-12G	0.31
Vernon Street Wells	Not yet developed		
Well No. 1		TBD	0.56
Well No. 3		TBD	
Total			4.11

Actual Productions In Summer/Fall 2025

Carver Pond Water Treatment Plant Wells and High St. Wells Production Down

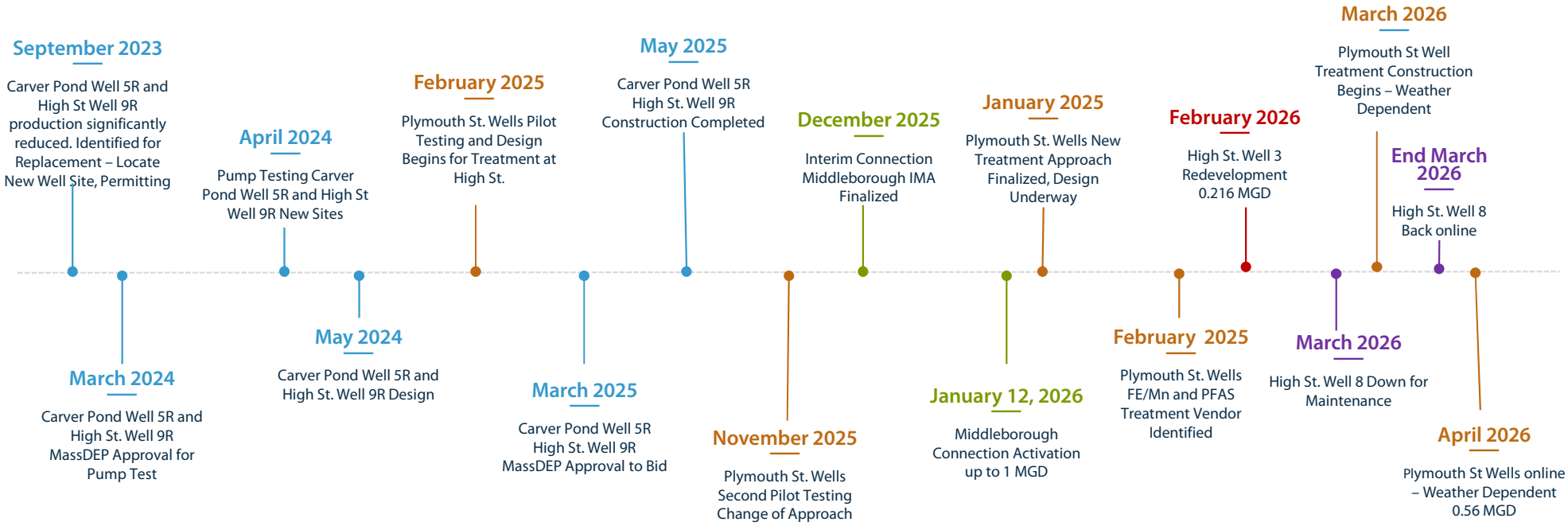
1.266 MGD vs 1.86 MGD

- Carver Pond WTP Well Production: ***0.386 MGD (268 gpm)***
  - Well 5 offline for replacement
  - Reduction of carrying capacity of treatment plant discharge pipe due to tuberculation
- High St. WTP Well production – ***0.88 MGD (610 gpm)***
  - Well 3 reduced production rate – redevelopment needed
  - High St. Well 9 offline for replacement
- Plymouth St. Wells - ***0.0 MGD***
  - Well 10A – Offline Iron/Manganese/PFAS
  - Well 10 B – Offline Iron/Manganese/PFAS

Average Day Demand
2025 – ***1.64 MGD***

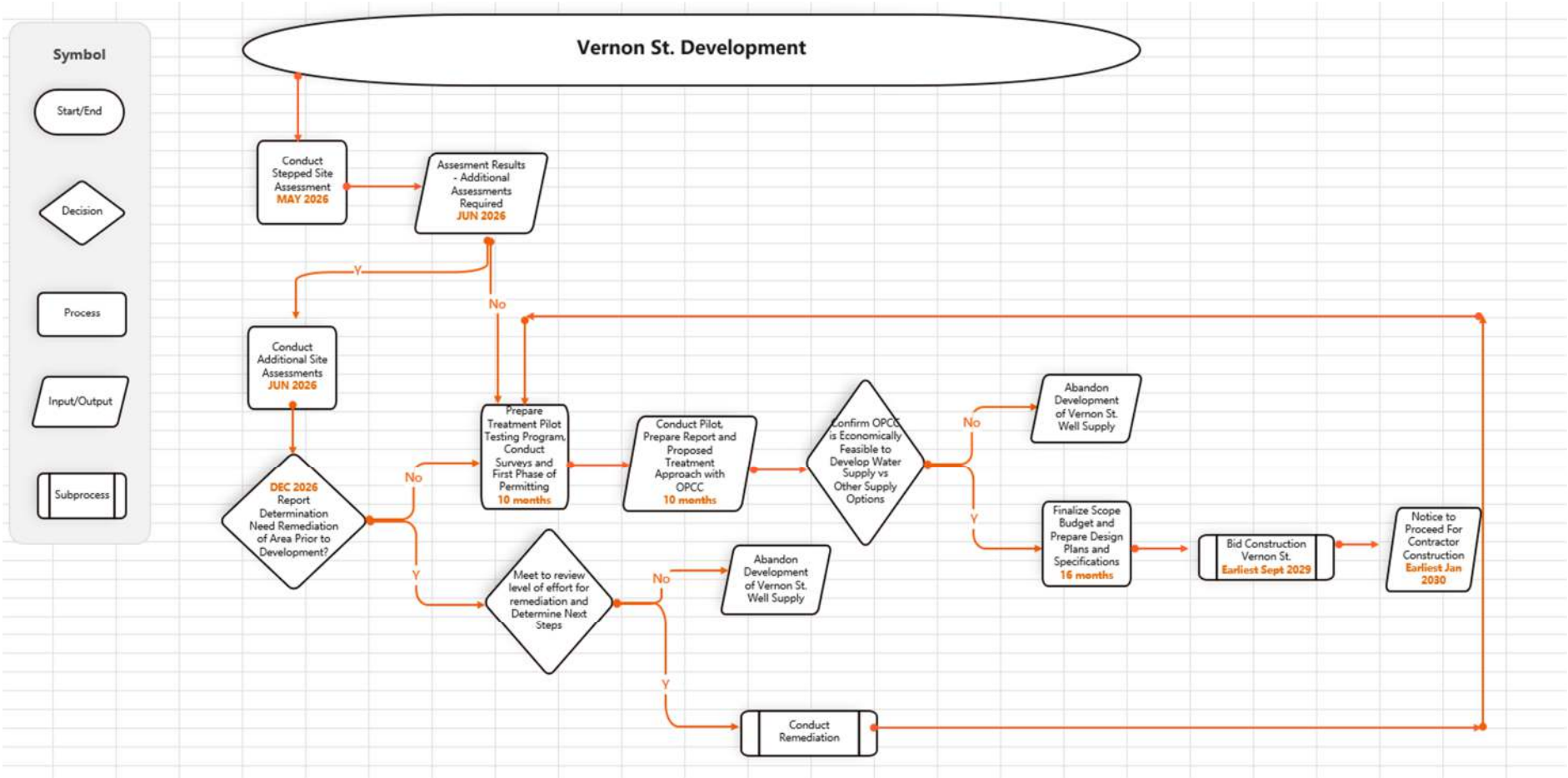
2 Immediate Actions Taken

Maximize Current Developed Wells & Emergency Interconnection

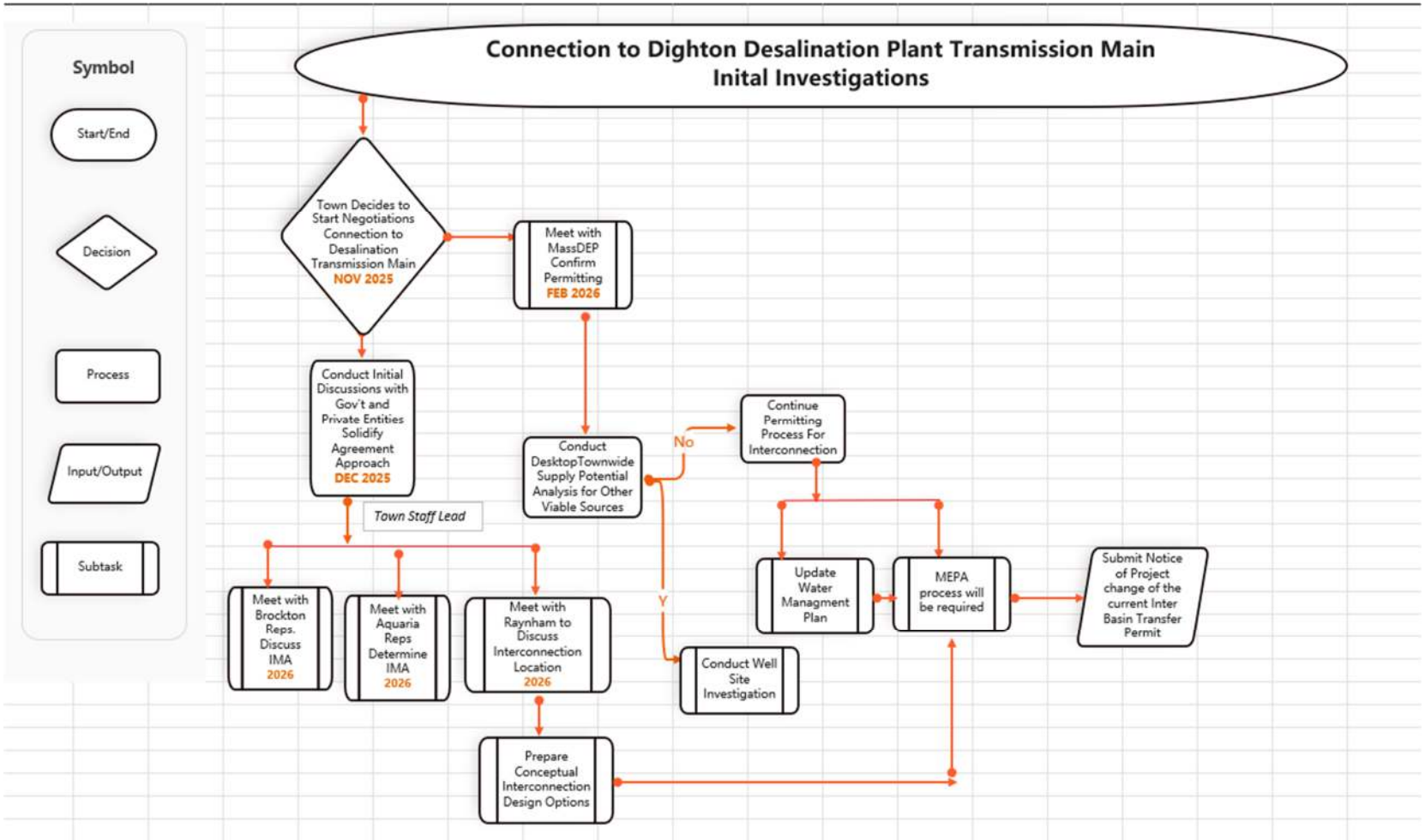


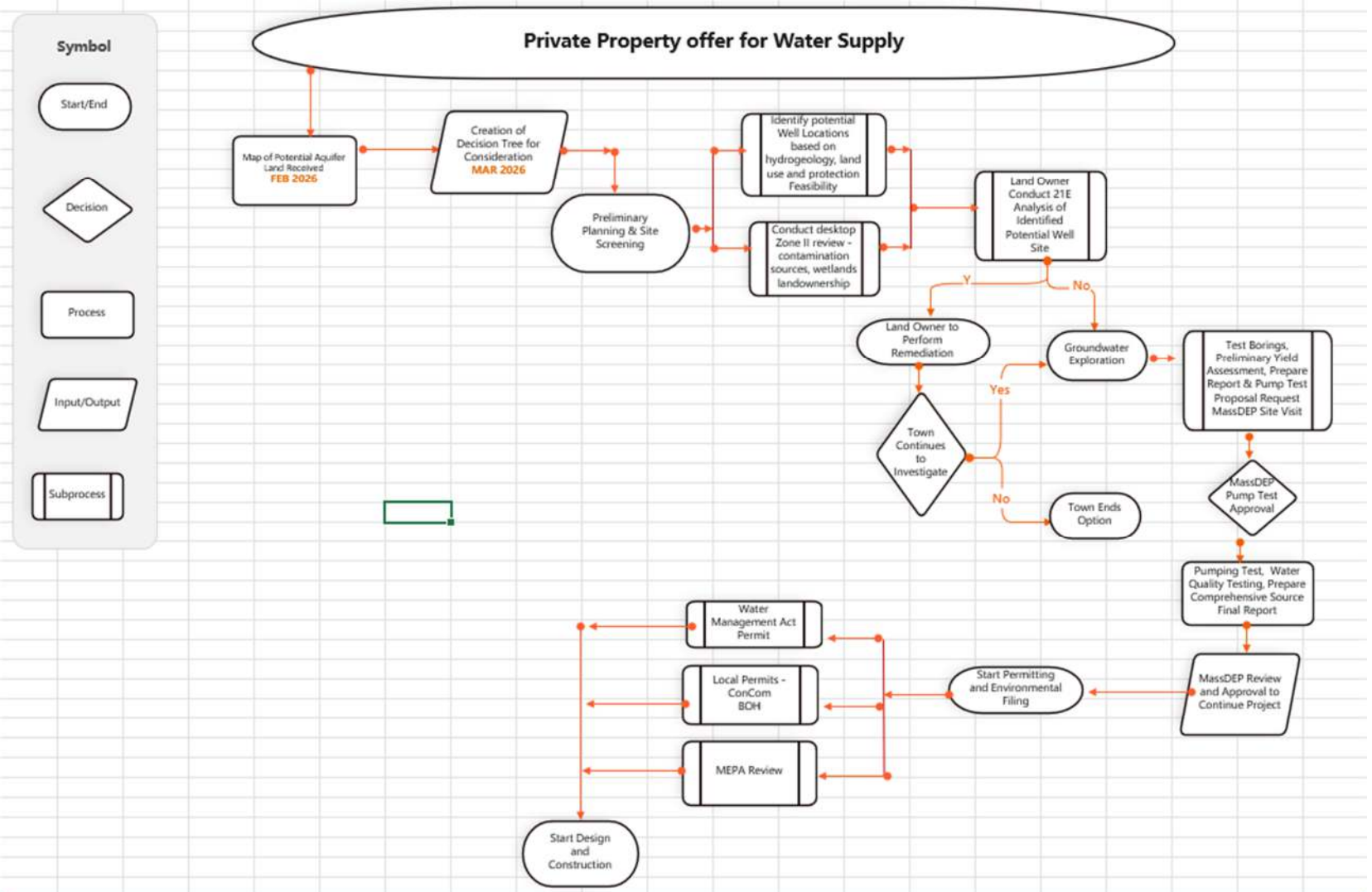
3 Future Actions Underway

Vernon St. Wells Development



Dighton Desalination Investigations




Symbol
Start/End
Decision
Process
Input/Output
Subprocess
Private Property offer for Water Supply
Map of Potential Aquifer Land Received FEB 2026
Creation of Decision Tree for Consideration MAR 2026
Preliminary Planning & Site Screening
Identify potential Well Locations based on hydrogeology, land use and protection Feasibility
Conduct desktop Zone II review - contamination sources, wetlands landownership
Land Owner Conduct 21E Analysis of Identified Potential Well Site
Y
No
Land Owner to Perform Remediation
Groundwater Exploration
Test Borings, Preliminary Yield Assessment, Prepare Report & Pump Test Proposal Request MassDEP Site Visit
Town Continues to Investigate
Yes
No
Town Ends Option
MassDEP Pump Test Approval
Pumping Test, Water Quality Testing, Prepare Comprehensive Source Final Report
MassDEP Review and Approval to Continue Project
Start Permitting and Environmental Filing
Water Management Act Permit
Local Permits - ConCom BOH
MEPA Review
Start Design and Construction

Questions