



Town of Wareham Water Pollution Control Facilities Emergency Response Plan

January 2016

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Figure 1 Critical Infrastructure Facilities

List of Common Acronyms

AP	Action Plan
CEMP	Comprehensive Emergency Management Plan
EAS	Emergency Alert System
EMD	Emergency Management Director
EOC	Emergency Operations Center
ERP	Emergency Response Plan
FIRM	Flood Insurance Rate Map
MEMA	Massachusetts Emergency Response Agency
MGD	Million Gallons Per Day
WPCF	Water Pollution Control Facility

SIGNATURE PAGE

TOWN OF WAREHAM, WATER POLLUTION CONTROL FACILITIES DRAFT/FINAL EMERGENCY RESPONSE PLAN

Initial ERP Approval and Update Process

This ERP was reviewed and approved by use by the following authorities:

Agency	Name of Authorizing Agent	Date
Sewer Commissioner	Susan J. Sweeney	
Sewer Commissioner	James R. Giberti	
Sewer Commissioner	Donna M. Bronk	
Sewer Commissioner	Malcolm R. White	
Sewer Commissioner	Marilyn J. Jordan	

Continued ERP Approval and Update Process

This ERP was reviewed and approved by the following authorities annually. Any changes or revisions made should be reviewed with Emergency Responders.

Agency	Name of Authorizing Agent	Year of Review	Date
Sewer Commissioner		2016	
Sewer Commissioner		2016	
Sewer Commissioner		2016	
Sewer Commissioner		2016	
Sewer Commissioner		2016	
Sewer Commissioner		2017	
Sewer Commissioner		2017	
Sewer Commissioner		2017	
Sewer Commissioner		2017	
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Sewer Commissioner		2019	
Sewer Commissioner		2019	
Sewer Commissioner		2019	
Sewer Commissioner		2019	
Sewer Commissioner		2019	
Sewer Commissioner		2020	
Sewer Commissioner		2020	
Sewer Commissioner		2020	
Sewer Commissioner		2020	
Sewer Commissioner		2020	

Scope and Limitations

This report has been prepared by GHD for the Town of Wareham and may only be used and relied on by the Town of Wareham for the purpose agreed between GHD and the Town of Wareham Water Pollution Control Facility as set out in this report.

GHD otherwise disclaims responsibility to any person other than the Town of Wareham arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions, and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions, and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

GHD has prepared this report on the basis of information provided by the Town of Wareham and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

The scope of this project was to develop an ERP for wastewater infrastructure as it relates to sea level rise. No other application is implied.

The information contained herein is nothing more than a collection of information obtained from FEMA flood maps, the Town of Wareham's Comprehensive Emergency Management Plan (CEMP), and guidance from the Emergency Response Plan Guidance for Wastewater Systems developed by Water Environment Research Foundation (WERF) and Flood Resilience. Before using this ERP, the Town shall have this document reviewed and approved by Wareham's Emergency Management Director for consistency with the ERP, which was not finalized when this ERP was finalized.

As-built drawings were not available for any pump stations during the development of this report. The assessments are based on survey data collected by Green Seal Environmental, Inc. and measurements obtained during site visits. All field data should be verified. No design guidance is expressed or implied.

1. Introduction

1.1 Purpose

The overall purpose of this Emergency Response Plan (ERP) is to provide the Town of Wareham's Sewer Department with a standardized safety response to flooding emergencies or disasters that may directly affect the Town's wastewater infrastructure. This ERP is not a replacement for the Town of Wareham's Comprehensive Emergency Management Plan and should be considered a supplement to the Town's plan after being approved by the appropriate agency or authority.

Specific Action Plans (APs) for each pump station within the system have been developed as part of this ERP. The AP provides the critical elevation for pump station shut-down based on the point that water is expected to enter the pump station. For pump stations with superstructures, the elevation at which the structure is theoretically compromised is also identified. The purpose of the APs is to provide the Town with an accessible document which provides relevant pump station information in the event of a flooding situation, critical flood elevation data, and emergency contact information. The APs are included in Section 5 of this plan.

1.2 Hazard – Flooding

This hazard section is excerpted from Section 4.6 of the Town of Wareham's Comprehensive Emergency Management Plan (CEMP). Communities in Massachusetts may be exposed to coastal or riverine flooding. This can range from street flooding to serious flooding resulting in damage to public and private property. Hurricane and nor'easter storms have produced numerous coastal storms over the past decade, including flooding effects. Riverine flooding is often associated with hurricanes, but may result from spring runoff as well. A key factor in riverine flooding is the water capacity of water bodies and waterways, the regulation of waterways by flood control works, and the preservation of wetlands.

Flash floods are fast moving floods resulting from extremely heavy rainfall generally over a period of less than six hours.

The National Weather Service and the New England River Forecast Center issue flood watch, flood warning, and flash flood watch and warnings through the Massachusetts Emergency Management Agency (MEMA), the Emergency Alert System (EAS), and the news media.

A flood warning should be issued if rainfall may reach or exceed the one or three hour rainfall values or amount needed to produce flooding on small streams in a forecast zone. A flash flood warning is issued based on radar or observation that the one or three hour rainfall values will be exceeded.

Areas in each community that are vulnerable to flooding are usually well known, and are identifiable through National Flood Insurance Rate Maps (FIRM). However, the intensity of flooding impact and the amount of damage that can result from an especially heavy rainfall is sometimes worse than expected. Flash floods can occur with startling suddenness and be especially devastating.

1.3 Access Control

Due to the sensitive nature of the information contained in the ERP, an access control protocol is recommended. As part of this protocol, distribution of the ERP should be limited to those individuals who are directly involved in the wastewater system's emergency planning and response activities.

The ERP should be numbered prior to distribution, along with a requirement for recipients to sign and date a statement that includes their ERP number, and their agreement not to reproduce the ERP without permission.

Additionally, a secure copy of the ERP should be maintained in an off-premises location, known to wastewater system management, in the event that the wastewater system's primary copies cannot be accessed.

2. General Emergency Planning Information

2.1 Emergency Planning Partnerships

2.1.1 Massachusetts Emergency Management Agency (MEMA)

MEMA should be contacted to provide assistance if the emergency response effort exceeds local government capabilities. MEMA follows the State Emergency Management Plan to coordinate resources and assistance to local governments during emergencies. MEMA can also request federal assistance for a community if the situation is severe enough.

Agency Name	Point of Contact	Phone #
MEMA	Agency Staff	508-820-2000

2.1.2 Rain for Rent Rental Equipment Agreement

The Town has an agreement with Rain for Rent to provide rental equipment during an emergency situation. Equipment rentals may include bypass pumps and backup electrical equipment.

Company Name	Phone #
Rain for Rent	508-987-0042

2.1.3 Septic Hauler Agreements

Company Name	Phone #
Sewer Sanitation	508-958-6037
Sanitary Engineers	774-836-2426
Adam's Sanitary	508-295-4024

2.2 Mutual Aid Agreements

The Wareham Comprehensive Emergency Management Plan (CEMP) lists mutual aid agreements with all the departments in the following towns/cities:

- Town of Barnstable, Massachusetts
- Town of Plymouth, Massachusetts

The identified communities can be contacted to provide emergency assistance, which may include equipment, supplies, personnel, or other available resources.

2.3 Relationship Between the ERP and Other Town Emergency Response Policies

The Town of Wareham has a CEMP, which provides an all-hazards framework for the community for the planning and response for a disaster or emergency situation. The CEMP is developed and managed by the Town's Emergency Management Director (EMD).

Municipality	Point of Contact	Phone #
Town of Wareham Police Department	Lt. John Walcek, Emergency Management Director (EMD)	508-295-1212

3. Emergency Response Plan—Core Elements

3.1 System Specific Information

3.1.1 Contact Information

Utility Emergency Response Manager: Guy Campinha, Director of WPCF – 508-958-4290

3.1.2 Population Served and Service Connections

The Town of Wareham owns and operates 43 pump stations that collect wastewater for treatment at the Water Pollution Control Facility (WPCF) from approximately 60% of the Town.

3.1.3 General Description of Wastewater Collection and Treatment System

Communities Served

A map of the sewersheds served by the collection system and critical infrastructure is shown in Figure 1.

Type of Collection System

The majority of the Town's collection system is gravity sewer. The system has 43 pump stations. All of the stations are either owned or operated by the Town, with the exception of the Police Station pump station, which is privately owned and operated.

Type and Level of Treatment

The Wareham WPCF is a tertiary treatment facility.

Average and Peak Flows

Annual average day design flow = 1.56 MGD

Maximum day design flow = 3.48 MGD

Peak hour design flow = 5.39 MGD

Effluent Discharge Locations

The WPCF discharges into the Agawam River.

3.2 Roles and Responsibilities in an Emergency

The WPCF Director/Utility Emergency Response Manager may decide to do one of the following:

- Evacuate a site and call Emergency Services by dialing 911.
- Control the dangerous situation with personnel and equipment at site.
- Shutdown portions of the system or pump stations where necessary.
- Declare the hazard is not significant or no longer exists.
- Communicate with the Town's EMD on the status of the wastewater infrastructure.

3.3 Emergency Operations Center (EOC) and Communication Procedures

3.3.1 Emergency Operations Center Primary - Local point of Contact

Municipality	Point of Contact	24-Hour Phone #
Wareham	Wareham Dispatch	911 / 508-295-1212
Onset	Wareham Dispatch	911 / 508-295-1212

3.3.2 Emergency Operations Center Alternate - Local Point of Contact

Municipality	Point of Contact	24-Hour Phone #
Wareham PD	Dispatch	911 / 508-295-1212
Wareham Fire	Fire	508-295-2323
Onset Fire	Fire	508-295-2121

3.3.3 Other Local Contacts

Community Agencies	Location	Phone
Railroad	Mass Coastal Rail Road	508-759-3261
National Weather Service	Taunton	508-823-1983
Poison Control	-	1-800-222-1222
Red Cross	Cambridge	617-274-5272
Utilities Key Span (Gas)	-	781-466-5281/5280
Utilities Eversource (Electric)	Wareham (Sub Station)	866-663-6782

Bordering Jurisdictions	Bordering Jurisdictions
North – Carver/Plymouth	South – None
East – Bourne/Buzzards Bay	West – Marion/Rochester

3.3.4 Critical Customer Notification

Critical Customer	Address	Contact / Telephone	Nearest Pump Station and Site ID
Onset Fire Department	5 East Central Avenue, Onset	Fire Chief 508-295-2122	East Blvd (#8)
Wareham Fire Station	273 Main Street, Wareham	Chief 508-295-2323	Narrows (#19)
Wareham Police Station	2515 Cranberry Highway, Wareham	508-295-1212	Police Station (#43)
Habit OPCO Methadone Clinic	3088A Cranberry Highway, Wareham	Manager on Duty 508-295-7990	Kennedy Ln (#24)
John W. Decas Elementary School	760 Main Street, Wareham	Principal 508-291-3530	Springborne (#34)
Minot Forest Elementary School	63 Minot Avenue, Wareham	Principal 508-291-3555	Minot Ave (#37)
Tobey Hospital	43 High Street, Wareham	Emergency Department Manager 508-273-4186	Narrows (#19)
Wareham Town Hall	54 Marion Road, Wareham	Town Administrator 508-291-3100 x310	Kennedy Ln (#24)
Multi Service Center	48 Marion Road, Wareham	Municipal Maintenance 508-295-5300	Kennedy Ln (#24)
Wareham EMS	72 Sandwich Road, Wareham	Emergency Medical Services Director 508-295-0603	Apple St (#17)
Onset Post Office	214 Onset Avenue, Onset	Manager on Duty/Postmaster 508-295-8672	Onset Pier (#9)
East Wareham Post Office	2991C Cranberry Highway, Wareham	Manager on Duty/Postmaster 508-295-9065	Depot St (#15)
Wareham Post Office	248 Main Street, Wareham	Manager on Duty/Postmaster 508-295-0968	Narrows (#19)
West Wareham Post Office	2360 Cranberry Highway, Wareham	Manager on Duty/Postmaster 508-295-9206	N/A – Not on Sewer

3.3.5 Public/Media Notification

Media Organizations	Location	Telephone
Newspaper – The Sentinel	Plymouth	800-242-0264
Newspaper – The Wanderer	Mattapoisett	508-758-9055
Newspaper – The Courier	Wareham	508-758-1123
TV Station – Wareham Community Television	Wareham	508-273-2340
TV Station - WBZ Ch. 4	Boston	617-787-7000
TV Station - WCVB Ch. 5	Needham	781-449-0400
TV Station – Fox Ch. 25 News	Dedham	781-467-1300
TV Station – WHDH Ch. 7	Boston	617-725-0777
Radio Station – WBZ 1030	Boston	617-787-7000

4. Responsibilities for Flood Planning and Response

Some items below are excerpted from the Town of Wareham CEMP where applicable to this ERP.

4.1 Preparedness

1. Place EOC personnel on standby during stage of flood 'watch' and monitor NWS/New England River Forecast Center reports.
2. Ensure that public warning systems are working properly and broadcast any information that is needed at this time.
3. Review mutual aid agreements.
4. Monitor levels of local bodies of water.
5. Review Action Plans for pump stations.
6. Carry out, or assist in carrying out, needed flood-proofing measures such as sand bag placement, etc.
7. Maintain projected flood surges and levels.

4.2 Response

1. Listen for broadcast warning/notification of flood emergency.
2. Undertake, or continue to carry out, flood-proofing measures.

4.3 Recovery

1. Inspect all affected buildings for structural integrity.
2. Clear debris.
3. Pump out basements, lower floors, wells, etc.
4. Test and purify water.
5. Address public health and sanitation issues.

5. Action Plans

An Action Plan (AP) is a specific set of actions for each pump station location that will be used to address flooding vulnerabilities and provide site-specific information on critical flood elevations. The AP should complement actions already initiated under the wastewater system's ERP.

A preliminary structural review was conducted on the existing pump stations with superstructures to determine the approximate maximum hydrostatic pressure that the structures could withstand, prior to potential collapse. Based on assumed conditions typical of similar structures, the majority of the pump stations superstructures are constructed with a concrete sub-structure and an un-reinforced concrete masonry wall superstructure. It was estimated that the existing structures are not capable of withstanding more than 2.5 feet of hydrostatic pressure on the unreinforced masonry walls without the need to reinforce the structure.

An AP is an accessible (i.e., "rip and run") document that can be detached and taken to the field by the Utility Emergency Response Manager or any other emergency responder. An AP includes the following basic information:

- Special notification requirements.
- Special response steps to be taken upon ERP activation.

A site-specific AP for each pump station is attached to this section.



MEMORANDUM

January 14, 2016

To GHD Project Team

Copy to

From Jessica P. Janney Tel 774-470-1636

Subject Wareham Water Pollution Control Facilities
Emergency Management Plan Related to Coastal
Flooding and Climate Change Job No. 8618712

PURPOSE OF MEMO

The purpose of this memo is to provide an outline the methodology that were used to develop the site specific Action Plans located in Section 5.0 of the Town of Wareham Water Pollution Control Facilities Emergency Management Plan Related to Coastal Flooding and Climate Change, Wastewater Infrastructure Supplement to Town's Comprehensive Emergency Management Plan.

GUIDANCE

The information is a collection of information obtained from FEMA flood maps, the Town of Wareham's Comprehensive Emergency Management Plan (CEMP), and guidance from the Emergency Response Plan Guidance for Wastewater Systems developed by Water Environment Research Foundation (WERF) and Flood Resilience. As-built drawings were not available for any pump stations during the development of this report. The assessments are based on survey data collected by Green Seal Environmental, Inc. and measurements obtained during site visits.

METHODOLOGY

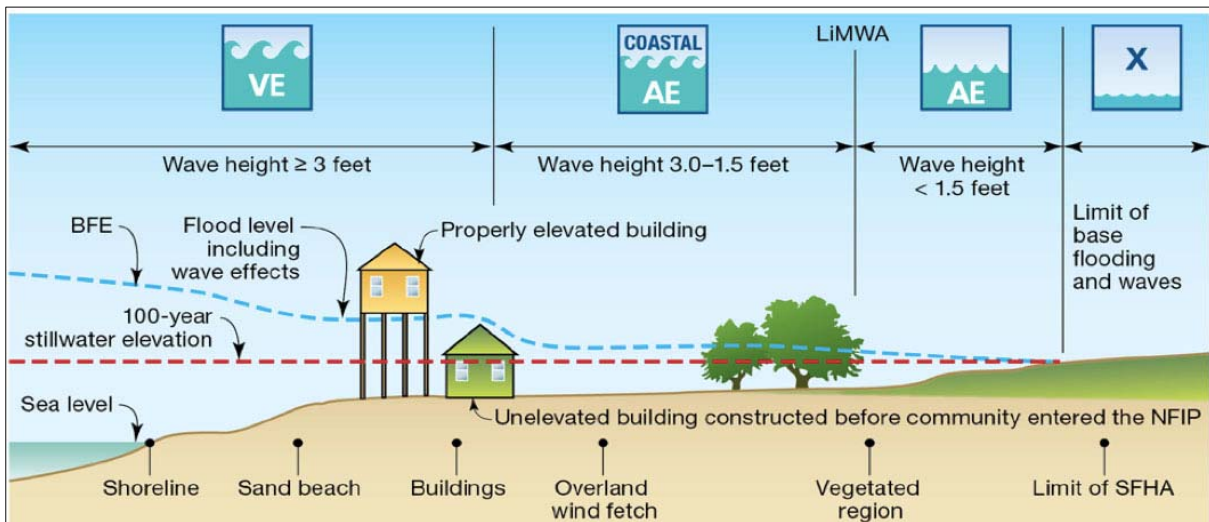
A preliminary structural review was conducted on the existing pump stations with superstructures to determine the approximate maximum hydrostatic pressure that the structures could withstand, prior to potential collapse. Based on assumed conditions typical of similar structures, the majority of the pump stations superstructures are constructed with a concrete sub-structure and an un-reinforced concrete masonry wall superstructure. It was estimated that the existing structures are not capable of withstanding more than 2.5 feet of hydrostatic pressure on the unreinforced masonry walls without the need to reinforce the structure. The "Structure Theoretically Compromised" value is the elevation 2.5 feet above the First Floor Elevation (FFE) / Vault Hatch Elevation.

The "Elevation at which Water Enters Building" value is typically the First Floor Elevation (FFE) / Vault Hatch Elevation.

For the Green Street (#4), Dick's Pond (#14), Linwood Avenue (#16) and Indian Neck (#20) Pump Stations, the sewer manhole rim elevation is below the 100-Year FEMA Flood Elevation and a new listing was added for this information on the Action Plan under "Building Information." For the Smith Avenue (#25) Pump Station and Hathaway (#31) Pump Stations both are within flood zones but elevation at which water enters the building are above the 100-year flood plain elevation.

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

ID	NAME	TYPE	LOCATED IN FLOOD ZONE	FLOOD ZONE DESIGNATION
1	Saltworks Rd	Submersible	Yes	VE
2	Hill Street Jefferson Shores	Submersible	Yes	VE
3	Cohasset Narrows	Wet/Dry Well	Yes	VE
4	Green Street	Submersible (Ejector)	Yes	AE
5	Woodbury	Submersible (Ejector)	Yes	X
6	Onset Heights	Submersible	Yes	Coastal AE
7	South Water St	Wet/Dry Well	Yes	AE
8	East Blvd	Submersible (Ejector)	Yes	Coastal AE
9	Onset Pier	Wet/Dry Well	Yes	VE
10	South Blvd	Submersible (Ejector)	Yes	VE
11	Hynes Field	Wet/Dry Well	Yes	Coastal AE
12	North Blvd	Wet/Dry Well	Yes	Coastal AE
13	Riverside	Submersible	Yes	Coastal AE
14	Dick's Pond	Wet/Dry Well	Yes	Coastal AE
15	Depot St	Wet/Dry Well	Yes	X
16	Linwood Ave	Submersible	Yes	AE
17	Apple St	Submersible	Yes	Coastal AE
18	Avenue A	Submersible	Yes	Coastal AE
19	Narrows	Wet/Dry Well	Yes	Coastal AE
20	Indian Neck	Submersible	Yes	AE
21	Oak Street	Submersible	No	X
22	Parkwood	Submersible	Yes	AE
23	Pinehurst	Wet/Dry Well	Yes	Coastal AE
24	Kennedy Ln	Wet/Dry Well	Yes	X
25	Smith Ave	Wet/Dry Well	Yes	VE
26	Ruggles	Wet/Dry Well	Yes	VE
27	Cromasset Rd	Submersible	Yes	Coastal AE
28	Briarwood	Submersible	Yes	Coastal AE
29	Arnold	Submersible	Yes	Coastal AE
30	French St	Submersible	Yes	X
31	Hathaway	Submersible	Yes	AE
32	Thatcher PS/IndPk II	Submersible	No	X
33	Kendrick PS/IndPk I	Submersible	No	X
34	Springborne	Submersible	No	X
35	Nanumette Air Station	Air Station	No	X
36	Bay St	Submersible (Ejector)	Yes	VE
37	Minot Ave	Submersible	No	X
38	Peter Cooper Dr	Submersible	No	X
39	Mattapoissett Rd	Submersible	No	X
40	Thirteenth Ave	Submersible	Yes	X
41	Leonard St	Submersible	Yes	Coastal AE
42	Terry Ln - Davis Rd	Submersible	Yes	AE
43	Police Station	Submersible	No	X



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013



Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#1
Name of Pump Station	Saltworks Rd
Address	1 Wychunas Av
Latitude/Longitude	41.7572 / -70.6305
Type of Station	Submersible
Superstructure Present	Yes
Date Commissioned	1990



LOCUS - NOT TO SCALE

BUILDING INFORMATION

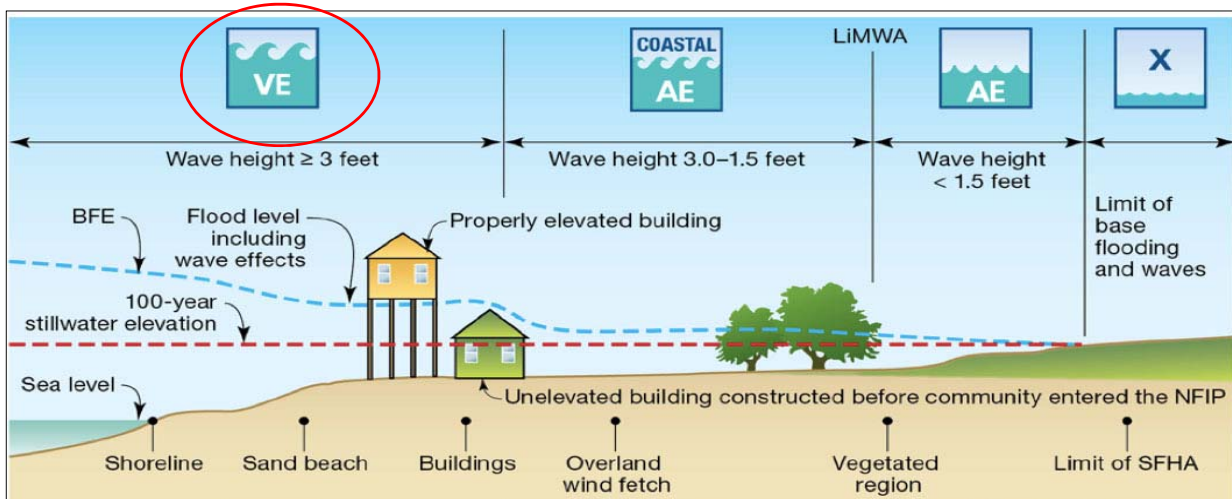
First Floor Elevation (FFE) /Vault Hatch	14.8
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	12.1
Bottom of Generator	16.7

FLOOD INFORMATION

FEMA Flood Zone	VE
FEMA Flood Elevation (100-Year (BFE))	21

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	17.3
Elevation at which Water Enters Building	14.8



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

Contact Utility Emergency Response Manager: **GUY CAMPINHA**, Water Pollution Control Director (508) 958-4290

NOTE: If Contact Utility Emergency Response Manager is Unavailable, Proceed to Contact Primary and Secondary Emergency Operations Center as Needed

Emergency Operations Center - Primary Contacts

Wareham Dispatch (Wareham)	911 / (508) 295-1212
Wareham Dispatch (Onset)	911 / (508) 295-1212

Emergency Operations Center - Alternate Contacts

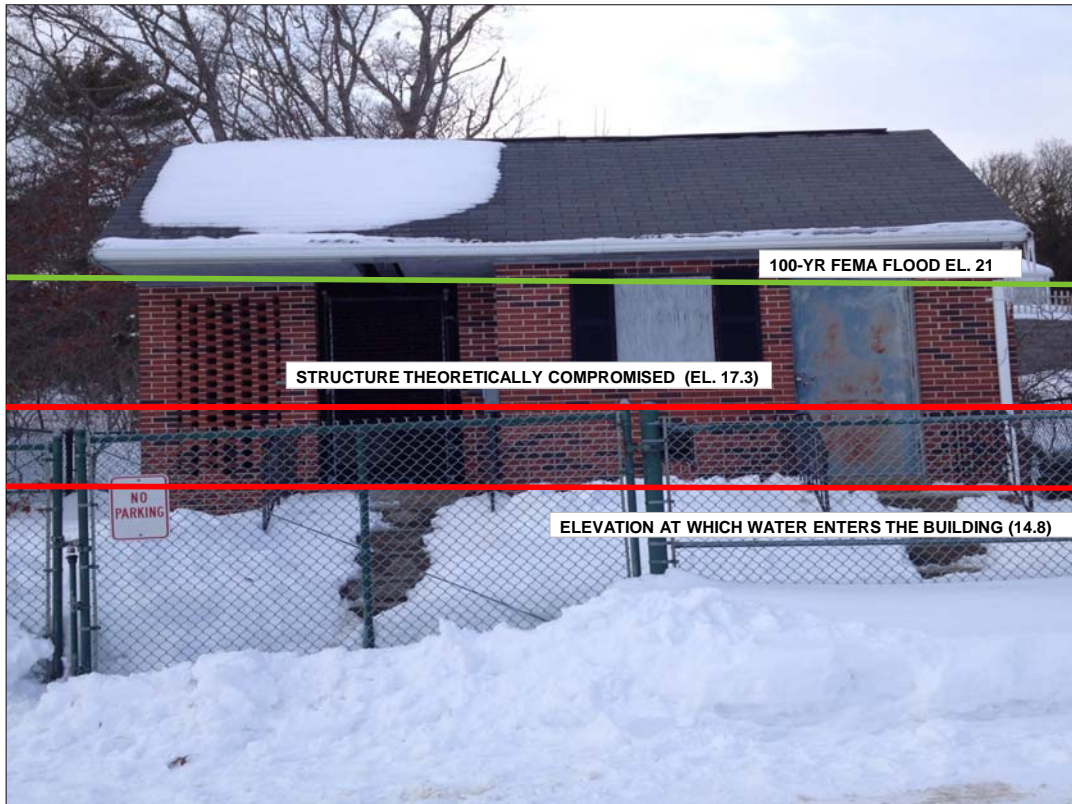
Wareham Police Department (Dispatch)	911 / (508) 295-1212
Wareham Fire Department (Fire)	(508) 295-2323
Onset Fire (Fire)	(508) 295-2121

SPECIAL RESPONSE STEPS

**DO NOT ENTER BUILDING WHEN FLOOD WATERS ARE 2.5 FEET ABOVE FIRST FLOOR ELEVATION OR ABOVE ELEVATION 17.3
THIS IS THE CRITICAL HEIGHT FOR STRUCTURAL DAMAGE AND PERSONNEL SHOULD NOT ENTER PUMP STATION**



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	17.3
FEMA 100-YR Flood Elevation	21
Elevation at which Water Enters Building	14.8

Consider Station Shutdown when water surface elevation is forecasted to be at or above

14.8

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#2
Name of Pump Station	Hill Street Jefferson Shores
Address	9 1/2 Hill St
Latitude/Longitude	41.7518/ -70.6272
Type of Station	Submersible
Superstructure Present	Yes
Date Commissioned	1990



LOCUS - NOT TO SCALE

BUILDING INFORMATION

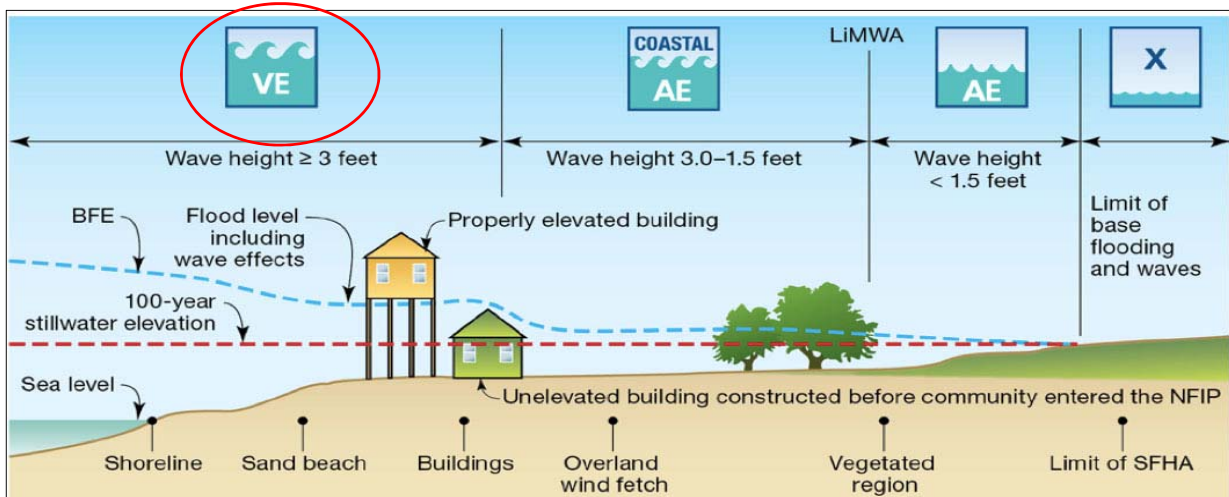
First Floor Elevation (FFE) /Vault Hatch	15
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	13.8
Bottom of Generator	16.9

FLOOD INFORMATION

FEMA Flood Zone	VE
FEMA Flood Elevation (100-Year (BFE))	21

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	17.5
Elevation at which Water Enters Building	15.0



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

Contact Utility Emergency Response Manager: GUY CAMPINHA, Water Pollution Control Director (508) 958-4290

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Emergency Operations Center - Primary Contacts

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Wareham Dispatch (Onset)	911 / (508) 295-1212

Emergency Operations Center - Alternate Contacts

Wareham Police Department (Dispatch)	911 / (508) 295-1212
Wareham Fire Department (Fire)	(508) 295-2323
Onset Fire (Fire)	(508) 295-2121

SPECIAL RESPONSE STEPS

**DO NOT ENTER BUILDING WHEN FLOOD WATERS ARE 2.5 FEET ABOVE FIRST FLOOR ELEVATION OR ABOVE ELEVATION 17.5.
THIS IS THE CRITICAL HEIGHT FOR STRUCTURAL DAMAGE AND PERSONNEL SHOULD NOT ENTER PUMP STATION**



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	17.5
FEMA 100-YR Flood Elevation	21
Elevation at which Water Enters Building	15.0

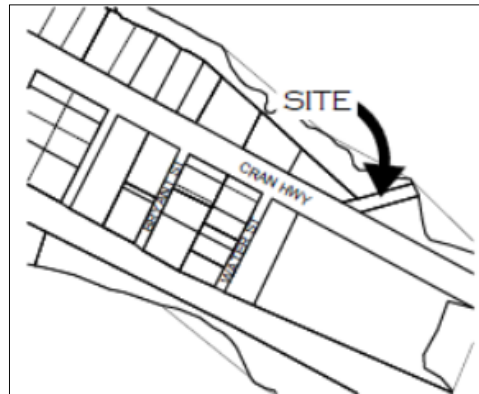
Consider Station Shutdown when water surface elevation is forecasted to be at or above

15.0

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#3
Name of Pump Station	Cohasset Narrows
Address	3254 Cranberry Hwy
Latitude/Longitude	41.74784 / -70.6224
Type of Station	Wet / Dry Well
Superstructure Present	Yes
Date Commissioned	1989



LOCUS - NOT TO SCALE

BUILDING INFORMATION

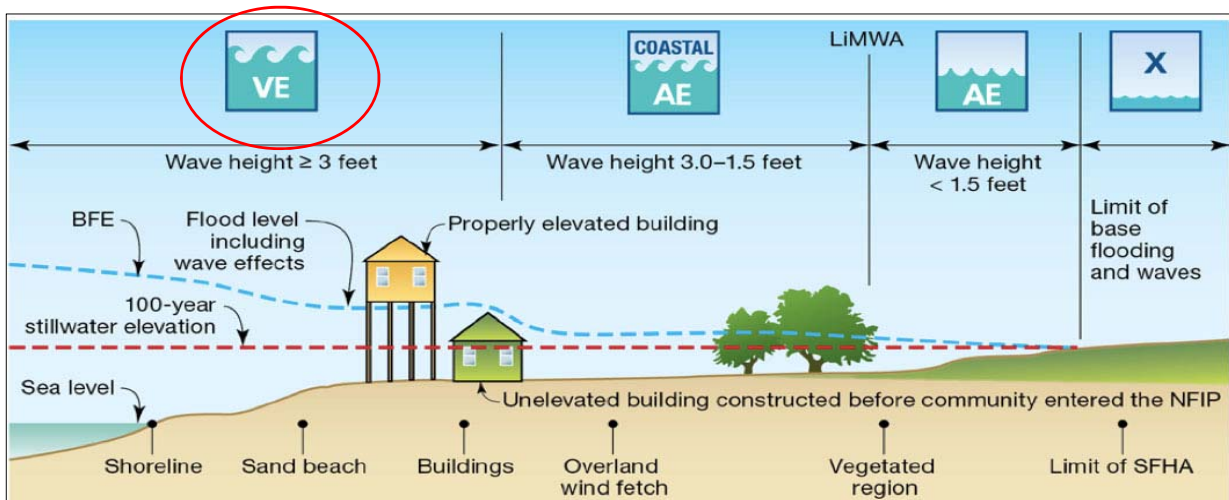
First Floor Elevation (FFE) /Vault Hatch	18.9
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	11.6
Bottom of Generator	19.4

FLOOD INFORMATION

FEMA Flood Zone	VE
FEMA Flood Elevation (100-Year (BFE))	21

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	21.4
Elevation at which Water Enters Building	18.9



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

Contact Utility Emergency Response Manager: **GUY CAMPINHA**, Water Pollution Control Director (508) 958-4290

NOTE: If Contact Utility Emergency Response Manager is Unavailable, Proceed to Contact Primary and Secondary Emergency Operations Center as Needed

Emergency Operations Center - Primary Contacts

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Wareham Dispatch (Onset)	911 / (508) 295-1212

Emergency Operations Center - Alternate Contacts

Wareham Police Department (Dispatch)	911 / (508) 295-1212
Wareham Fire Department (Fire)	(508) 295-2323
Onset Fire (Fire)	(508) 295-2121

SPECIAL RESPONSE STEPS

**DO NOT ENTER BUILDING WHEN FLOOD WATERS ARE 2.5 FEET ABOVE FIRST FLOOR ELEVATION OR ABOVE ELEVATION 21.4.
THIS IS THE CRITICAL HEIGHT FOR STRUCTURAL DAMAGE AND PERSONNEL SHOULD NOT ENTER PUMP STATION**



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	21.4
FEMA 100-YR Flood Elevation	21
Elevation at which Water Enters Building	18.9

Consider Station Shutdown when water surface elevation is forecasted to be at or above

18.9

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#4
Name of Pump Station	Green St
Address	1 1/2 Green St
Latitude/Longitude	41.7410 / -70.6464
Type of Station	Submersible (Ejector)
Superstructure Present	Yes
Date Commissioned	1989



BUILDING INFORMATION

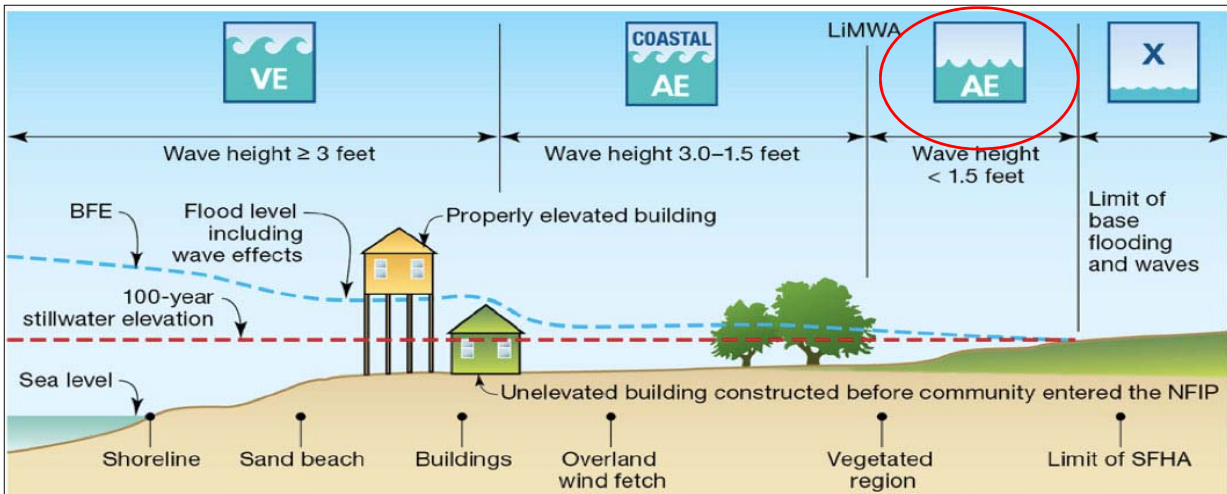
First Floor Elevation (FFE) /Vault Hatch	17.1
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	Yes
Ground Elevation	16.5
Sewer Manhole Rim Elevation	15.6

FLOOD INFORMATION

FEMA Flood Zone	AE
FEMA Flood Elevation (100-Year (BFE))	16

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	19.6
Elevation at which Water Enters Building	17.1



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

Contact Utility Emergency Response Manager: **GUY CAMPINHA, Water Pollution Control Director (508) 958-4290**

NOTE: If Contact Utility Emergency Response Manager is Unavailable, Proceed to Contact Primary and Secondary Emergency Operations Center as Needed

Emergency Operations Center - Primary Contacts

Wareham Dispatch (Wareham)	911 / (508) 295-1212
Wareham Dispatch (Onset)	911 / (508) 295-1212

Emergency Operations Center - Alternate Contacts

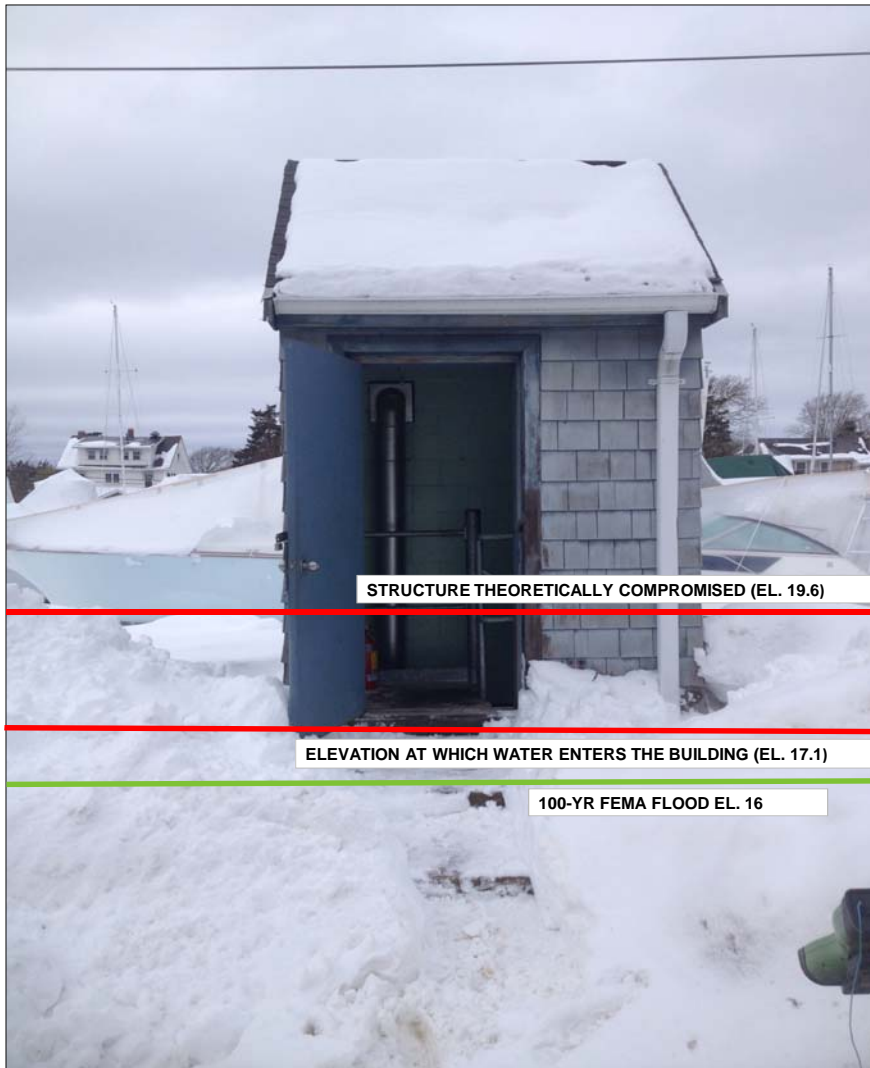
Wareham Police Department (Dispatch)	911 / (508) 295-1212
Wareham Fire Department (Fire)	(508) 295-2323
Onset Fire (Fire)	(508) 295-2121

SPECIAL RESPONSE STEPS

DO NOT ENTER BUILDING WHEN FLOOD WATERS ARE 2.5 FEET ABOVE FIRST FLOOR ELEVATION OR ABOVE ELEVATION 19.6. THIS IS THE CRITICAL HEIGHT FOR STRUCTURAL DAMAGE AND PERSONNEL SHOULD NOT ENTER PUMP STATION



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	19.6
FEMA 100-YR Flood Elevation	16
Elevation at which Water Enters Building	17.1

Consider Station Shutdown when water surface elevation is forecasted to be at or above

17.1

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#5
Name of Pump Station	Woodbury
Address	35 Woodbury St
Latitude/Longitude	41.7382 / -70.6426
Type of Station	Submersible (Ejector)
Superstructure Present	Yes
Date Commissioned	1989



LOCUS - NOT TO SCALE

BUILDING INFORMATION

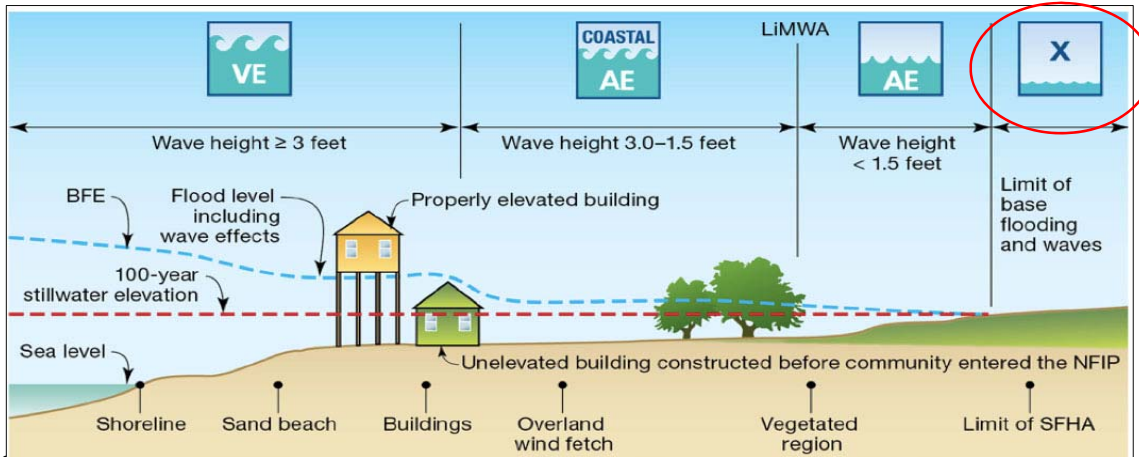
First Floor Elevation (FFE) /Vault Hatch	16.8
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	Yes
Ground Elevation	16

FLOOD INFORMATION

FEMA Flood Zone	X
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	19.3
Elevation at which Water Enters Building	16.8



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

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Emergency Operations Center - Alternate Contacts

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Wareham Fire Department (Fire)	(508) 295-2323
Onset Fire (Fire)	(508) 295-2121

SPECIAL RESPONSE STEPS

DO NOT ENTER BUILDING WHEN FLOOD WATERS ARE 2.5 FEET ABOVE FIRST FLOOR ELEVATION OR ABOVE ELEVATION 19.3. THIS IS THE CRITICAL HEIGHT FOR STRUCTURAL DAMAGE AND PERSONNEL SHOULD NOT ENTER PUMP STATION



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	19.3
FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	16.8

Consider Station Shutdown when water surface elevation is forecasted to be at or above

16.8

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#6
Name of Pump Station	Onset Heights
Address	Cove St & Broad St
Latitude/Longitude	41.7466 / -70.6503
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	1996



LOCUS - NOT TO SCALE

BUILDING INFORMATION

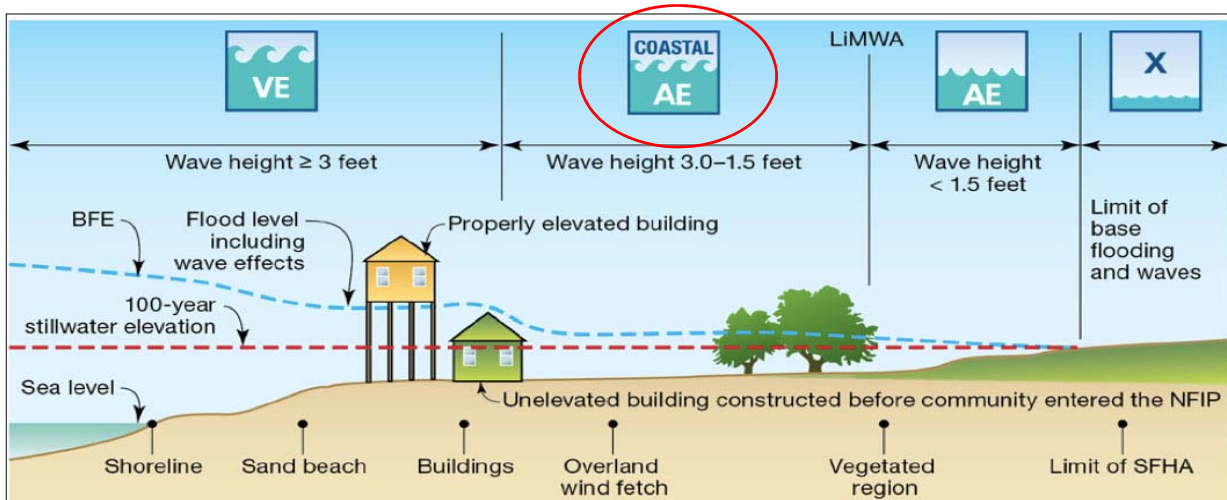
First Floor Elevation (FFE) /Vault Hatch	7.4
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	7.4

FLOOD INFORMATION

FEMA Flood Zone	Coastal AE
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Elevation at which Water Enters Building 7.4



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

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Emergency Operations Center - Primary Contacts

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Wareham Dispatch (Onset)	911 / (508) 295-1212

Emergency Operations Center - Alternate Contacts

Wareham Police Department (Dispatch)	911 / (508) 295-1212
Wareham Fire Department (Fire)	(508) 295-2323
Onset Fire (Fire)	(508) 295-2121



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	7.4

Consider Station Shutdown when water surface elevation is forecasted to be at or above

7.4

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#7
Name of Pump Station	South Water St
Address	1 South Water St
Latitude/Longitude	41.7426/ -70.6529
Type of Station	Wet / Dry Well
Superstructure Present	Yes
Date Commissioned	1971



BUILDING INFORMATION

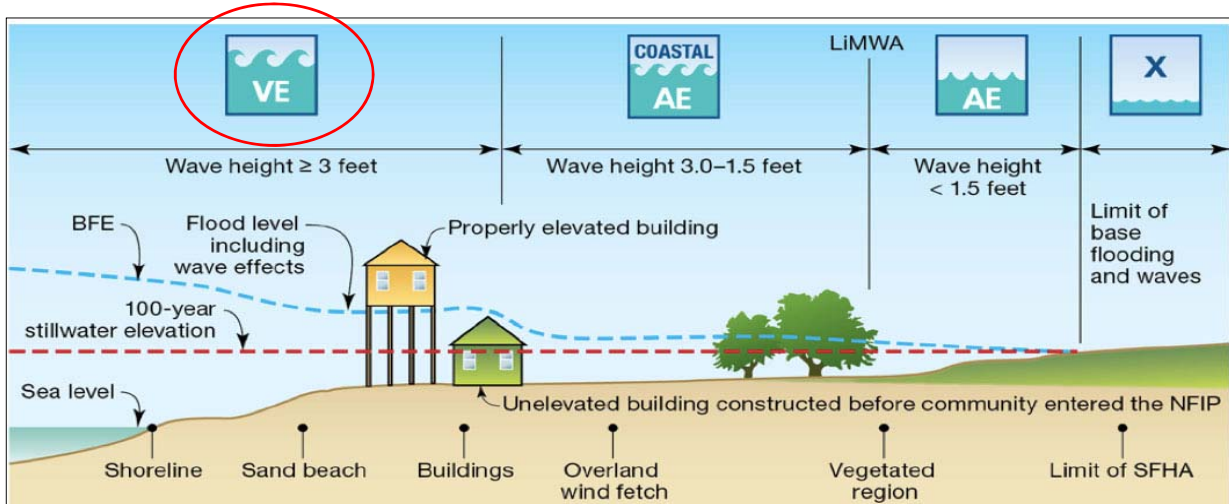
First Floor Elevation (FFE) /Vault Hatch	14.8
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	9.5

FLOOD INFORMATION

FEMA Flood Zone	VE
FEMA Flood Elevation (100-Year (BFE))	19

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	17.3
Elevation at which Water Enters Building	14.8



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

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Emergency Operations Center - Primary Contacts

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Emergency Operations Center - Alternate Contacts

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Wareham Fire Department (Fire)	(508) 295-2323
Onset Fire (Fire)	(508) 295-2121

SPECIAL RESPONSE STEPS

DO NOT ENTER BUILDING WHEN FLOOD WATERS ARE 2.5 FEET ABOVE FIRST FLOOR ELEVATION OR ABOVE ELEVATION 17.3. THIS IS THE CRITICAL HEIGHT FOR STRUCTURAL DAMAGE AND PERSONNEL SHOULD NOT ENTER PUMP STATION



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	17.3
FEMA 100-YR Flood Elevation	19
Elevation at which Water Enters Building	14.8

Consider Station Shutdown when water surface elevation is forecasted to be at or above

14.8

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#8
Name of Pump Station	East Blvd
Address	37 East Blvd
Latitude/Longitude	41.7443/ -70.6566
Type of Station	Submersible (Ejector)
Superstructure Present	Yes
Date Commissioned	1971



LOCUS - NOT TO SCALE

BUILDING INFORMATION

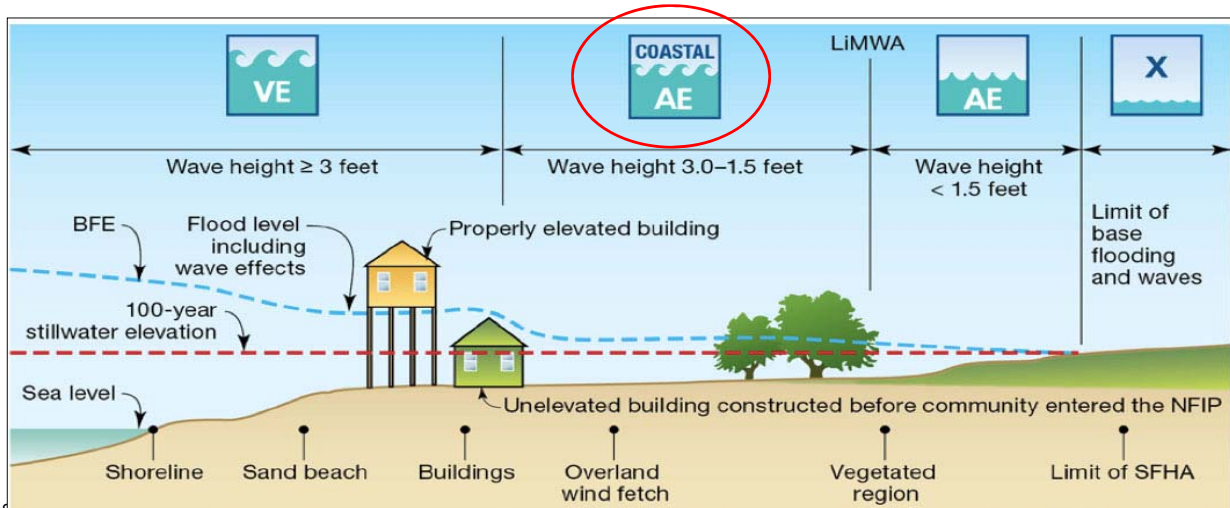
First Floor Elevation (FFE) /Vault Hatch	5.6
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	4.7

FLOOD INFORMATION

FEMA Flood Zone	Coastal AE
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	8.1
Elevation at which Water Enters Building	5.6



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

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NOTE: If Contact Utility Emergency Response Manager is Unavailable,
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Emergency Operations Center - Primary Contacts

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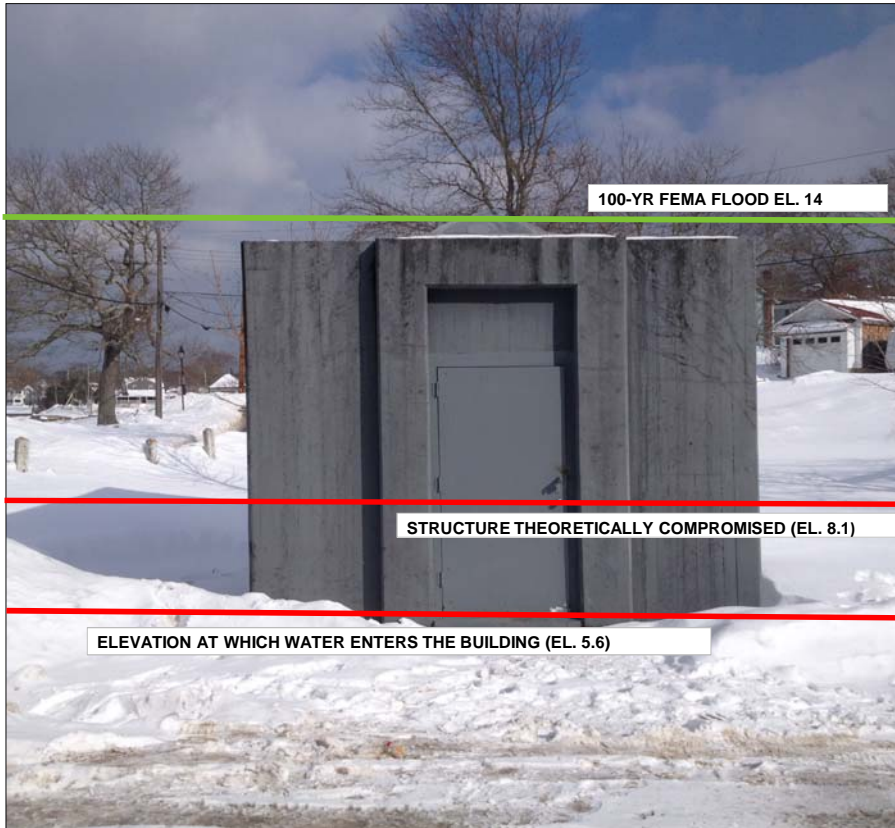
Wareham Police Department (Dispatch)	911 / (508) 295-1212
Wareham Fire Department (Fire)	(508) 295-2323
Onset Fire (Fire)	(508) 295-2121

SPECIAL RESPONSE STEPS

**DO NOT ENTER BUILDING WHEN FLOOD WATERS ARE 2.5 FEET ABOVE FIRST FLOOR ELEVATION OR ABOVE ELEVATION 8.1.
THIS IS THE CRITICAL HEIGHT FOR STRUCTURAL DAMAGE AND PERSONNEL SHOULD NOT ENTER PUMP STATION**



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	8.1
FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	5.6

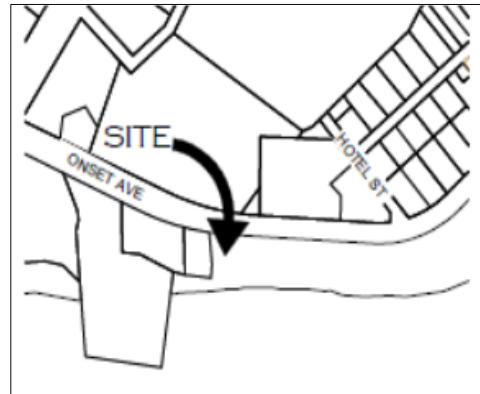
Consider Station Shutdown when water surface elevation is forecasted to be at or above

5.6

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#9
Name of Pump Station	Onset Pier
Address	178 Onset Ave
Latitude/Longitude	41.7415/ -70.6577
Type of Station	Wet / Dry Well
Superstructure Present	Yes
Date Commissioned	1971



LOCUS - NOT TO SCALE

BUILDING INFORMATION

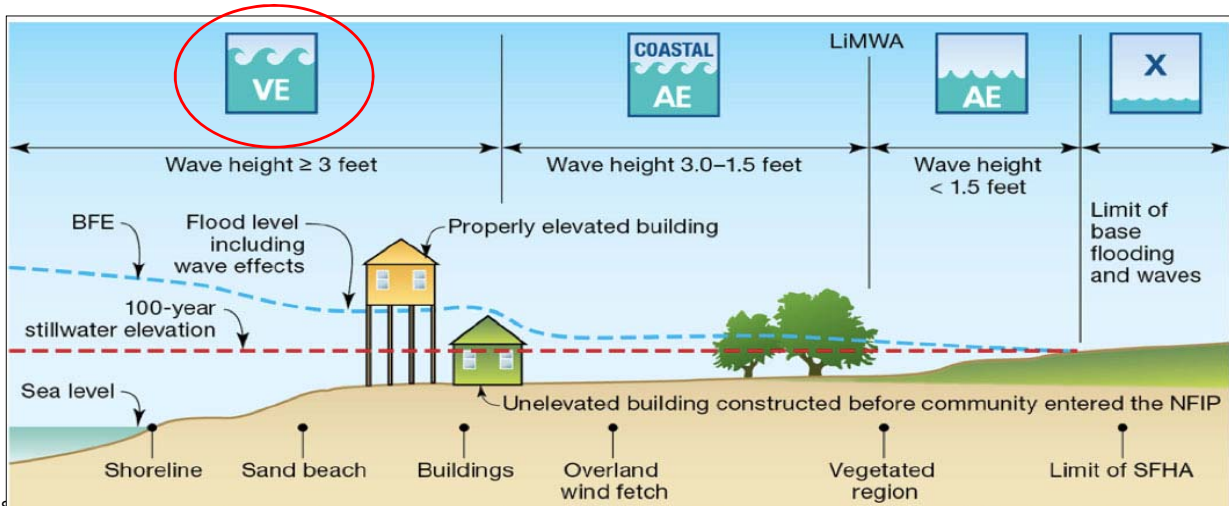
First Floor Elevation (FFE) /Vault Hatch	15
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	11.7

FLOOD INFORMATION

FEMA Flood Zone	VE
FEMA Flood Elevation (100-Year (BFE))	22

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	17.5
Elevation at which Water Enters Building	15



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

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Emergency Operations Center - Primary Contacts

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Wareham Dispatch (Onset)	911 / (508) 295-1212

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Wareham Fire Department (Fire)	(508) 295-2323
Onset Fire (Fire)	(508) 295-2121

SPECIAL RESPONSE STEPS

**DO NOT ENTER BUILDING WHEN FLOOD WATERS ARE 2.5 FEET ABOVE FIRST FLOOR ELEVATION OR ABOVE ELEVATION 17.5.
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Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	17.5
FEMA 100-YR Flood Elevation	22
Elevation at which Water Enters Building	15.0

Consider Station Shutdown when water surface elevation is forecasted to be at or above

15.0



Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#10
Name of Pump Station	South Blvd
Address	42 South Blvd
Latitude/Longitude	41.7400/ -70.6632
Type of Station	Submersible (Ejector)
Superstructure Present	No
Date Commissioned	1972



BUILDING INFORMATION

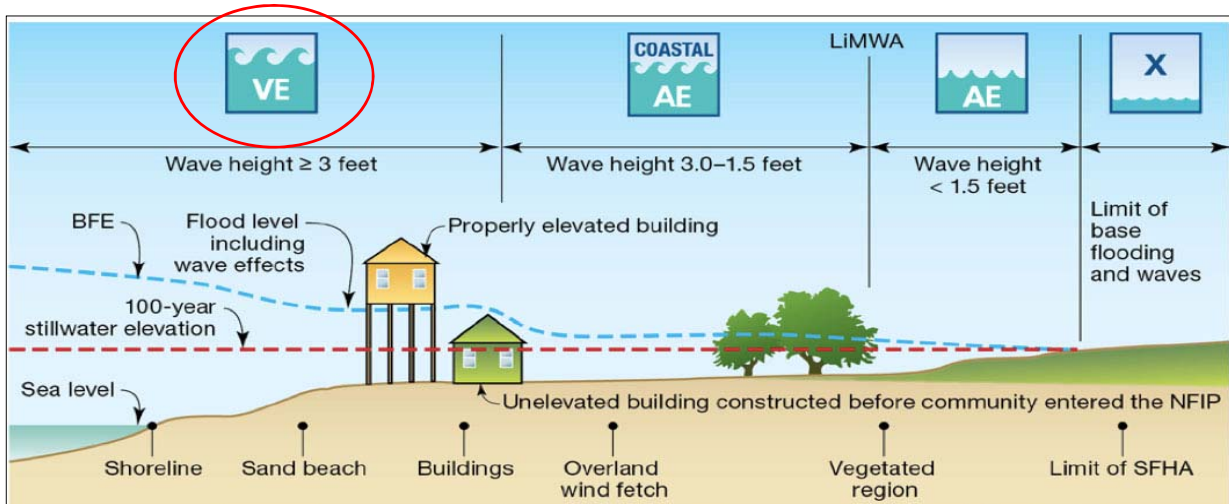
First Floor Elevation (FFE) /Vault Hatch	13.2
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	13.2

FLOOD INFORMATION

FEMA Flood Zone	VE
FEMA Flood Elevation (100-Year (BFE))	22

ACTION PLAN CRITICAL FACTORS

Elevation at which Water Enters Building **13.2**



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

Contact Utility Emergency Response Manager: **GUY CAMPINHA**, Water Pollution Control Director (508) 958-4290

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Emergency Operations Center - Primary Contacts

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Wareham Dispatch (Onset)	911 / (508) 295-1212

Emergency Operations Center - Alternate Contacts

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Wareham Fire Department (Fire)	(508) 295-2323
Onset Fire (Fire)	(508) 295-2121



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

FEMA 100-YR Flood Elevation	22
Elevation at which Water Enters Building	13.2

Consider Station Shutdown when water surface elevation is forecasted to be at or above

13.2

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#11
Name of Pump Station	Hynes Field
Address	248 Onset Ave
Latitude/Longitude	41.7453/ -70.6623
Type of Station	Wet / Dry Well
Superstructure Present	Yes
Date Commissioned	1971



LOCUS - NOT TO SCALE

BUILDING INFORMATION

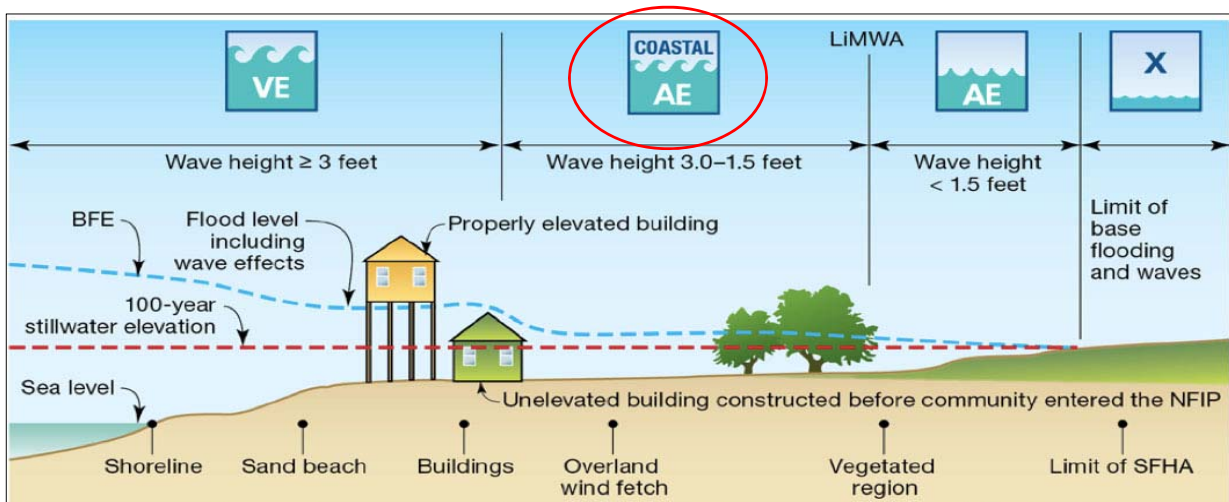
First Floor Elevation (FFE) /Vault Hatch	13.9
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	6.4

FLOOD INFORMATION

FEMA Flood Zone	Coastal AE
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	16.4
Elevation at which Water Enters Building	13.9



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

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NOTE: If Contact Utility Emergency Response Manager is Unavailable, Proceed to Contact Primary and Secondary Emergency Operations Center as Needed

Emergency Operations Center - Primary Contacts

Wareham Dispatch (Wareham)	911 / (508) 295-1212
Wareham Dispatch (Onset)	911 / (508) 295-1212

Emergency Operations Center - Alternate Contacts

Wareham Police Department (Dispatch)	911 / (508) 295-1212
Wareham Fire Department (Fire)	(508) 295-2323
Onset Fire (Fire)	(508) 295-2121

SPECIAL RESPONSE STEPS

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Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	16.4
FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	13.9

Consider Station Shutdown when water surface elevation is forecasted to be at or above

13.9

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#12
Name of Pump Station	North Blvd
Address	17 North Blvd
Latitude/Longitude	41.7479/ -70.6594
Type of Station	Wet / Dry Well
Superstructure Present	Yes
Date Commissioned	1971



LOCUS - NOT TO SCALE

BUILDING INFORMATION

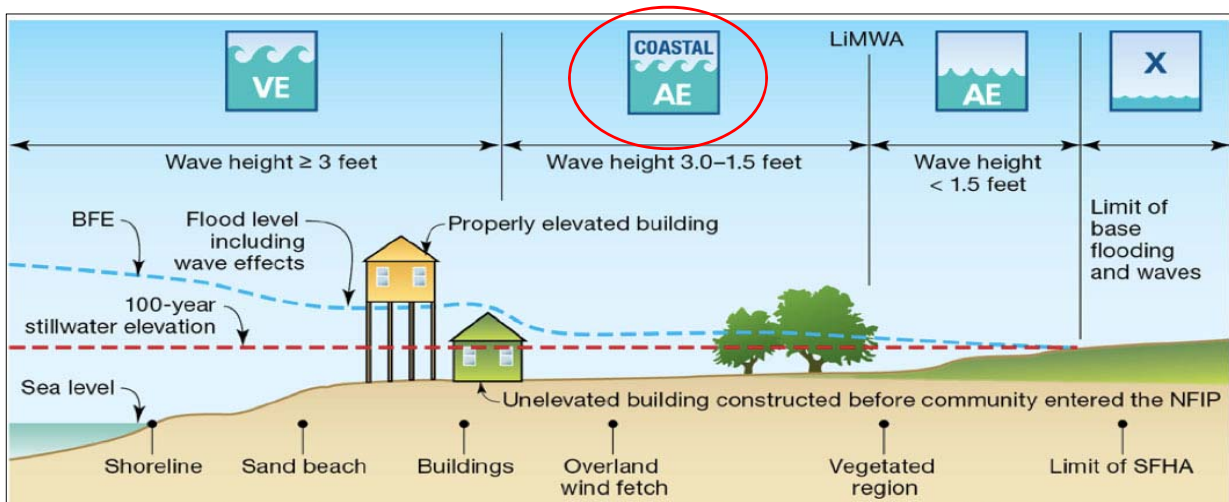
First Floor Elevation (FFE) /Vault Hatch	13.7
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	6.9

FLOOD INFORMATION

FEMA Flood Zone	Coastal AE
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	16.2
Elevation at which Water Enters Building	13.7



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

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Emergency Operations Center - Primary Contacts

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Wareham Fire Department (Fire)	(508) 295-2323
Onset Fire (Fire)	(508) 295-2121

SPECIAL RESPONSE STEPS

DO NOT ENTER BUILDING WHEN FLOOD WATERS ARE 2.5 FEET ABOVE FIRST FLOOR ELEVATION OR ABOVE ELEVATION 16.2. THIS IS THE CRITICAL HEIGHT FOR STRUCTURAL DAMAGE AND PERSONNEL SHOULD NOT ENTER PUMP STATION



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	16.2
FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	13.7

Consider Station Shutdown when water surface elevation is forecasted to be at or above

13.7

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#13
Name of Pump Station	Riverside
Address	26 Riverside Dr
Latitude/Longitude	41.7504/ -70.6530
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	1996



LOCUS - NOT TO SCALE

BUILDING INFORMATION

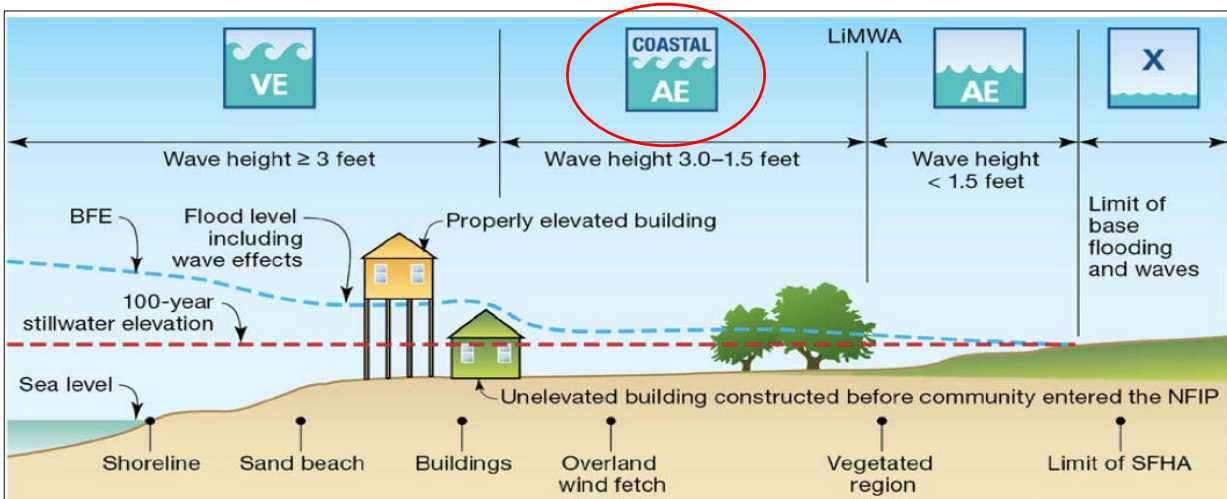
First Floor Elevation (FFE) /Vault Hatch	7.3
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	7.3

FLOOD INFORMATION

FEMA Flood Zone	Coastal AE
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Elevation at which Water Enters Building **7.3**



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

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Onset Fire (Fire)	(508) 295-2121



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	7.3

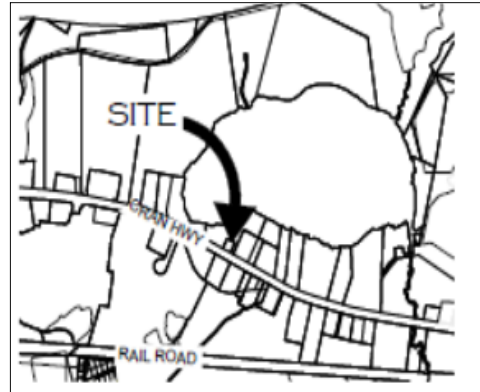
Consider Station Shutdown when water surface elevation is forecasted to be at or above

7.3

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#14
Name of Pump Station	Dick's Pond
Address	3018 Cranberry Hwy
Latitude/Longitude	41.7587/ -70.6603
Type of Station	Wet / Dry Well
Superstructure Present	Yes
Date Commissioned	1989



LOCUS - NOT TO SCALE

BUILDING INFORMATION

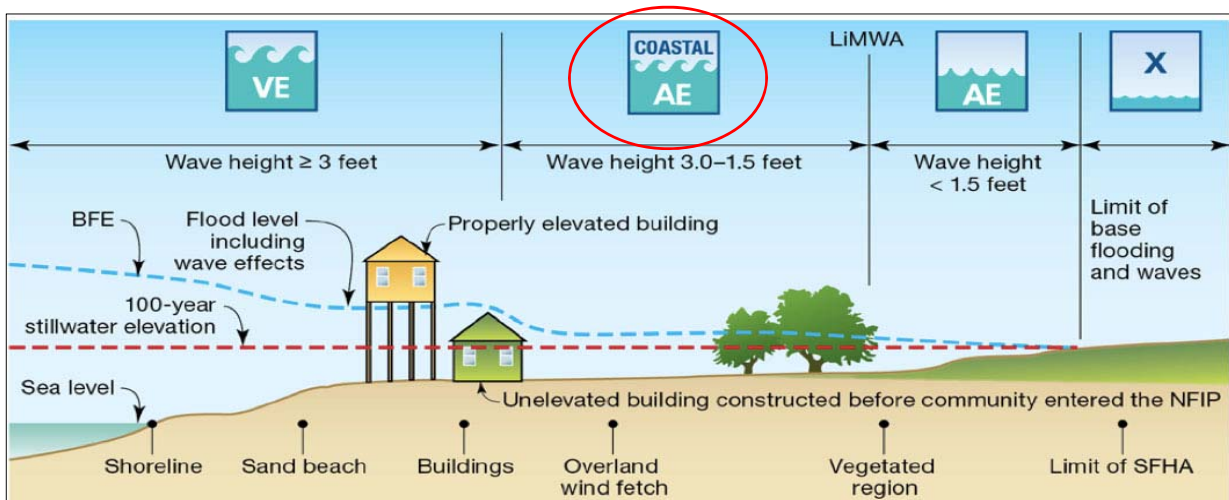
First Floor Elevation (FFE) /Vault Hatch	14.9
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	Yes
Ground Elevation	9.8
Sewer Manhole Rim Elevation	9.8

FLOOD INFORMATION

FEMA Flood Zone	Coastal AE
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	17.4
Elevation at which Water Enters Building	14.9



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

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Emergency Operations Center - Primary Contacts

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SPECIAL RESPONSE STEPS

**DO NOT ENTER BUILDING WHEN FLOOD WATERS ARE 2.5 FEET ABOVE FIRST FLOOR ELEVATION OR ABOVE ELEVATION 17.4.
THIS IS THE CRITICAL HEIGHT FOR STRUCTURAL DAMAGE AND PERSONNEL SHOULD NOT ENTER PUMP STATION**



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	17.4
FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	14.9

Consider Station Shutdown when water surface elevation is forecasted to be at or above

14.9

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#15
Name of Pump Station	Depot St
Address	8 Depot St
Latitude/Longitude	41.7601/ -70.6740
Type of Station	Wet / Dry Well
Superstructure Present	Yes
Date Commissioned	1989



LOCUS - NOT TO SCALE

BUILDING INFORMATION

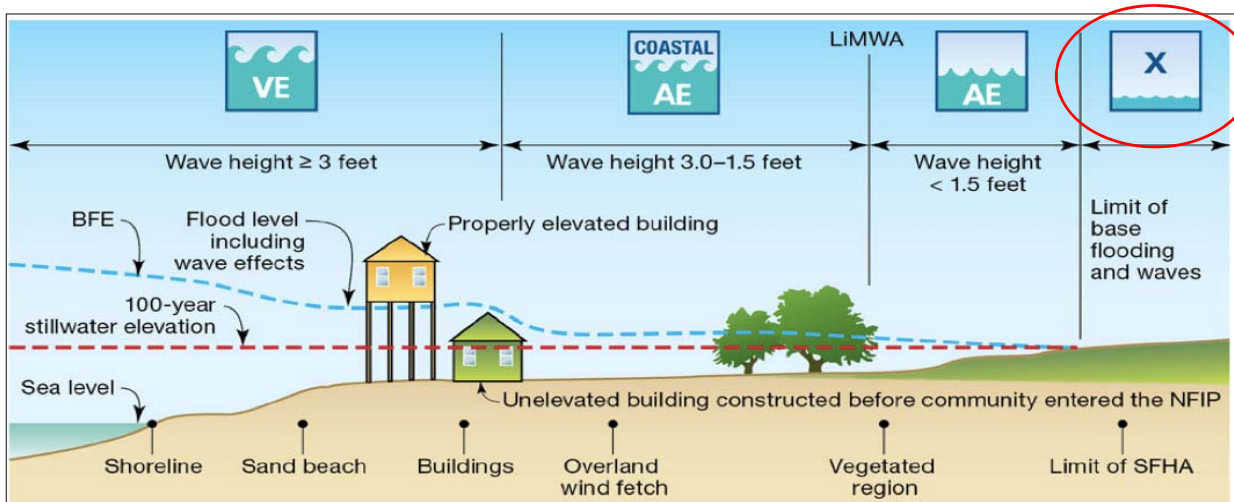
First Floor Elevation (FFE) /Vault Hatch	17.9
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	Yes
Ground Elevation	15.2

FLOOD INFORMATION

FEMA Flood Zone	X
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	20.4
Elevation at which Water Enters Building	17.9



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

Contact Utility Emergency Response Manager: **GUY CAMPINHA**, Water Pollution Control Director (508) 958-4290

NOTE: If Contact Utility Emergency Response Manager is Unavailable, Proceed to Contact Primary and Secondary Emergency Operations Center as Needed

Emergency Operations Center - Primary Contacts

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Emergency Operations Center - Alternate Contacts

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Wareham Fire Department (Fire)	(508) 295-2323
Onset Fire (Fire)	(508) 295-2121

SPECIAL RESPONSE STEPS

**DO NOT ENTER BUILDING WHEN FLOOD WATERS ARE 2.5 FEET ABOVE FIRST FLOOR ELEVATION OR ABOVE ELEVATION 20.4.
THIS IS THE CRITICAL HEIGHT FOR STRUCTURAL DAMAGE AND PERSONNEL SHOULD NOT ENTER PUMP STATION**



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	20.4
FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	17.9

Consider Station Shutdown when water surface elevation is forecasted to be at or above

17.9

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#16
Name of Pump Station	Linwood Ave
Address	14 Linwood Ave
Latitude/Longitude	41.7616/ -70.6858
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	2011



LOCUS - NOT TO SCALE

BUILDING INFORMATION

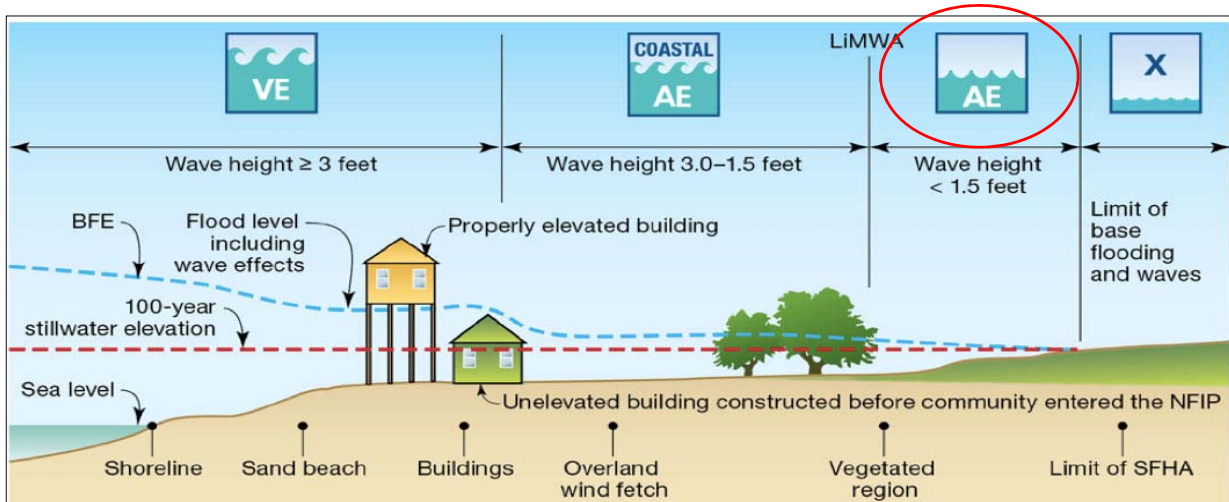
First Floor Elevation (FFE) /Vault Hatch	14.6
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	Yes
Ground Elevation	14.6
Sewer Manhole Rim Elevation	11.3

FLOOD INFORMATION

FEMA Flood Zone	AE
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Elevation at which Water Enters Building **14.6**



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

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Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	14.6

Consider Station Shutdown when water surface elevation is forecasted to be at or above

14.6

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#17
Name of Pump Station	Apple St
Address	1 Apple St
Latitude/Longitude	41.7596/ -70.7003
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	2012



BUILDING INFORMATION

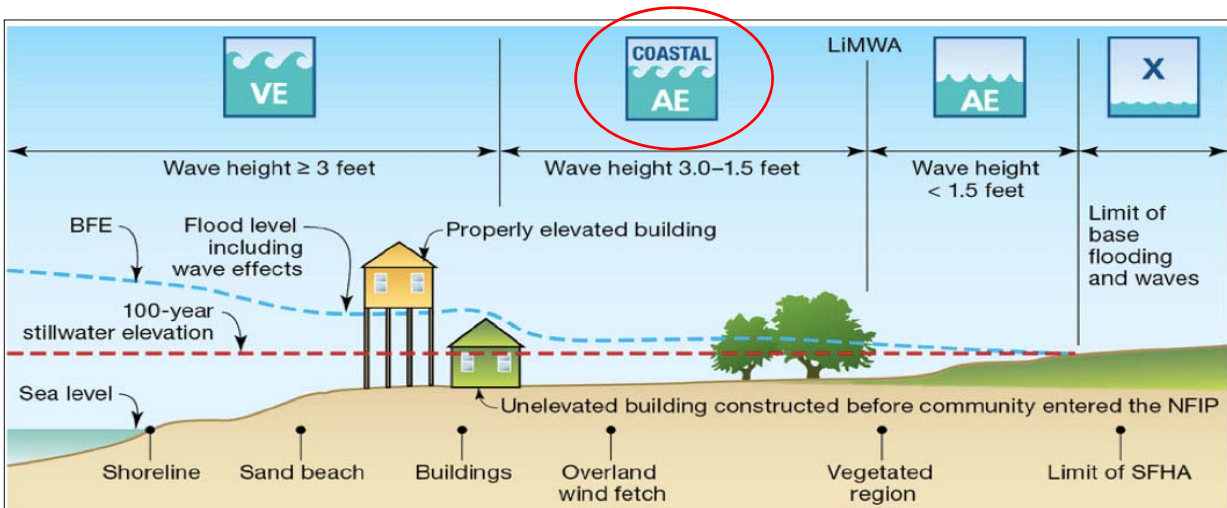
First Floor Elevation (FFE) /Vault Hatch	9
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	9

FLOOD INFORMATION

FEMA Flood Zone	Coastal AE
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Elevation at which Water Enters Building 9



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

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Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	9.0

Consider Station Shutdown when water surface elevation is forecasted to be at or above **9.0**

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#18
Name of Pump Station	Avenue A
Address	20 Sandwich Rd
Latitude/Longitude	41.7576/ -70.7097
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	2011



LOCUS - NOT TO SCALE

BUILDING INFORMATION

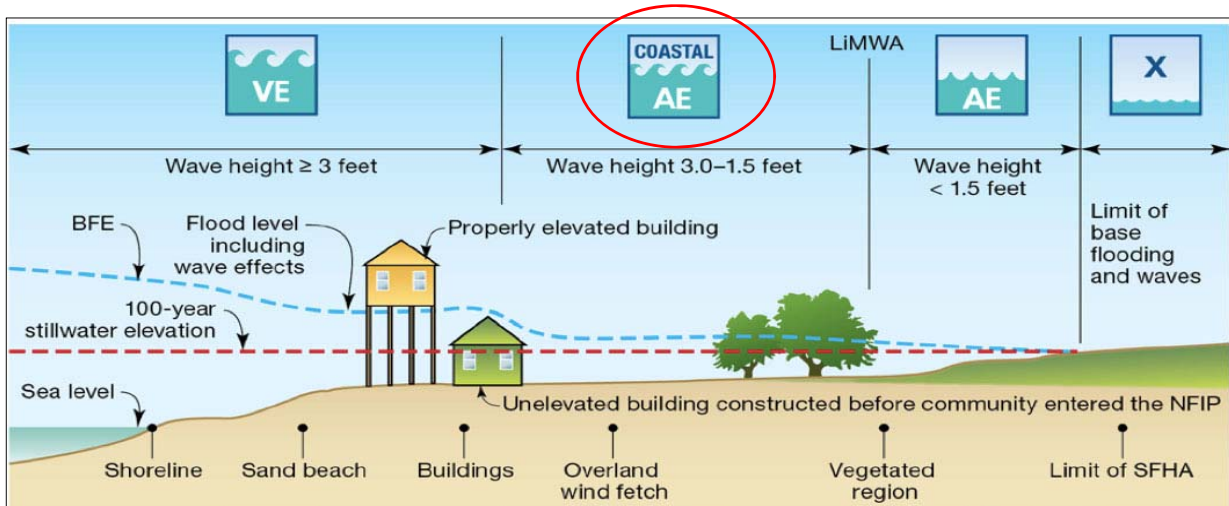
First Floor Elevation (FFE) /Vault Hatch	7.1
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	7.1

FLOOD INFORMATION

FEMA Flood Zone	Coastal AE
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Elevation at which Water Enters Building 7.1



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

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Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	7.1

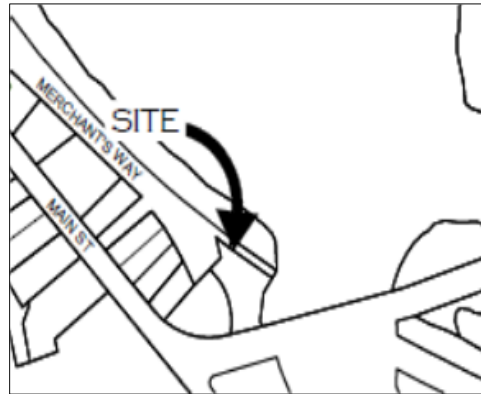
Consider Station Shutdown when water surface elevation is forecasted to be at or above

7.1

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#19
Name of Pump Station	Narrows
Address	1 Merchant's Way
Latitude/Longitude	41.7572 / -70.7129
Type of Station	Wet / Dry Well
Superstructure Present	Yes
Date Commissioned	1970



LOCUS - NOT TO SCALE

BUILDING INFORMATION

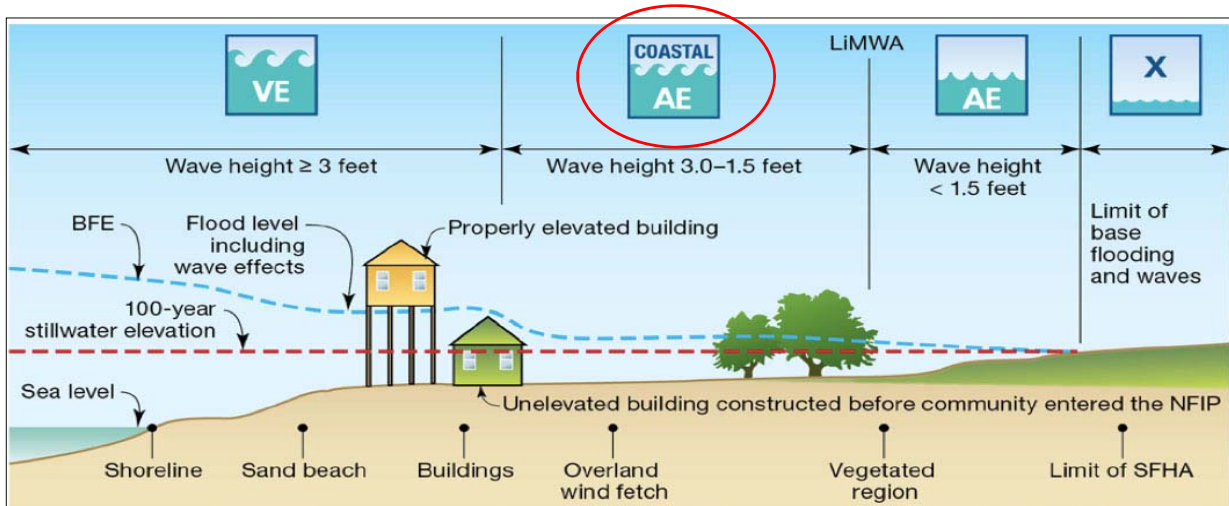
First Floor Elevation (FFE) /Vault Hatch	13.9
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	11.6

FLOOD INFORMATION

FEMA Flood Zone	Coastal AE
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	16.4
Elevation at which Water Enters Building	13.9



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

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SPECIAL RESPONSE STEPS

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Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	16.4
FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	13.9

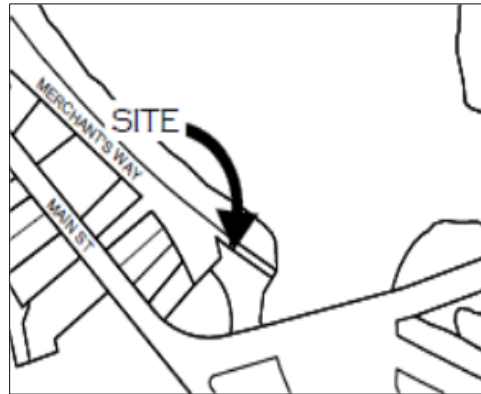
Consider Station Shutdown when water surface elevation is forecasted to be at or above

13.9

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#20
Name of Pump Station	Indian Neck
Address	32 Indian Neck Rd
Latitude/Longitude	41.7560/ -70.7037
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	2010



LOCUS - NOT TO SCALE

BUILDING INFORMATION

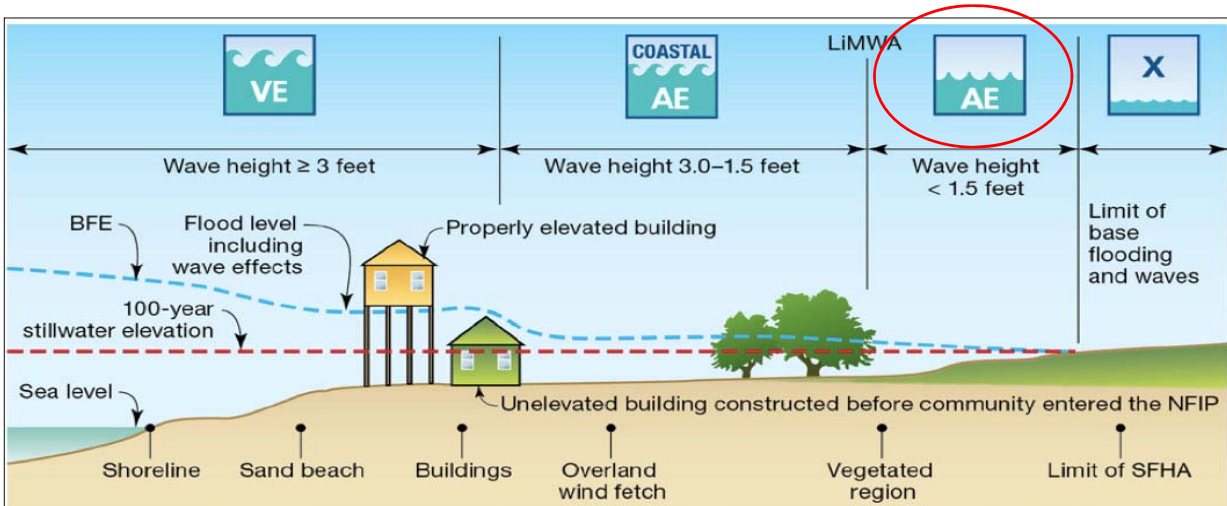
First Floor Elevation (FFE) /Vault Hatch	7.7
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	14.6
Sewer Manhole Rim Elevation	7.8

FLOOD INFORMATION

FEMA Flood Zone	AE
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Elevation at which Water Enters Building **7.7**



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

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Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	7.7

Consider Station Shutdown when water surface elevation is forecasted to be at or above

7.7

Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan

GENERAL

Site #	#21
Name of Pump Station	Oak St
Address	1 Oak Terr
Latitude/Longitude	41.7508/ -70.6999
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	2010

BUILDING INFORMATION

First Floor Elevation (FFE) /Vault Hatch	24.3
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	Yes
Ground Elevation	24.3



LOCUS - NOT TO SCALE

THIS PUMP STATION IS NOT WITHIN A FLOOD ZONE; NO RESPONSE REQUIRED

Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#22
Name of Pump Station	Parkwood
Address	89 Parkwood Dr.
Latitude/Longitude	41.7439/ -70.6986
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	2010



BUILDING INFORMATION

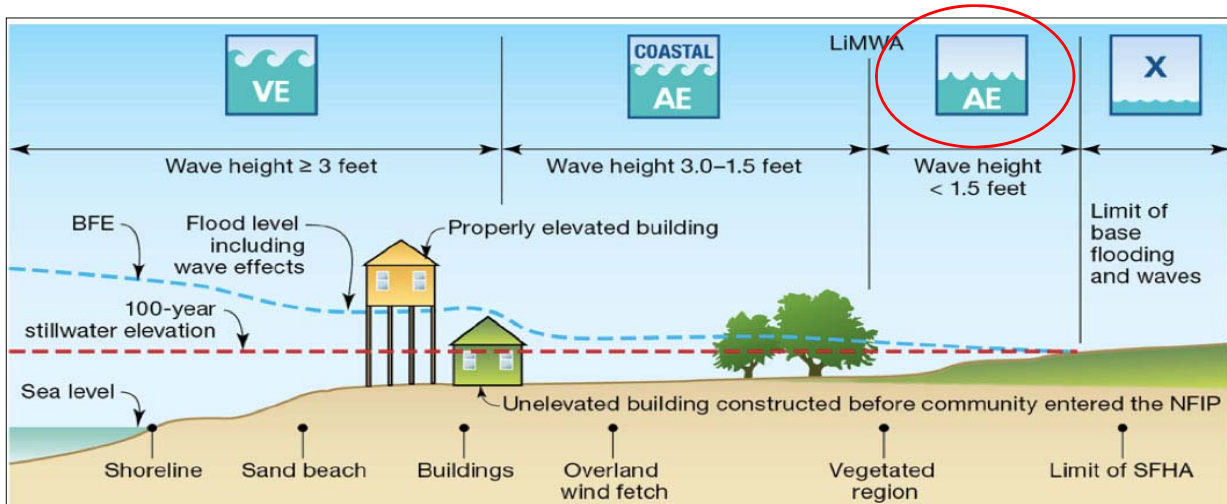
First Floor Elevation (FFE) /Vault Hatch	13.3
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	13.3

FLOOD INFORMATION

FEMA Flood Zone	AE
FEMA Flood Elevation (100-Year (BFE))	15

ACTION PLAN CRITICAL FACTORS

Elevation at which Water Enters Building **13.3**



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

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Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

FEMA 100-YR Flood Elevation	15
Elevation at which Water Enters Building	13.3

Consider Station Shutdown when water surface elevation is forecasted to be at or above

13.3

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#23
Name of Pump Station	Pinehurst
Address	23 Franconia Ave
Latitude/Longitude	41.7490/ -70.7119
Type of Station	Wet / Dry Well
Superstructure Present	Yes
Date Commissioned	1978



LOCUS - NOT TO SCALE

BUILDING INFORMATION

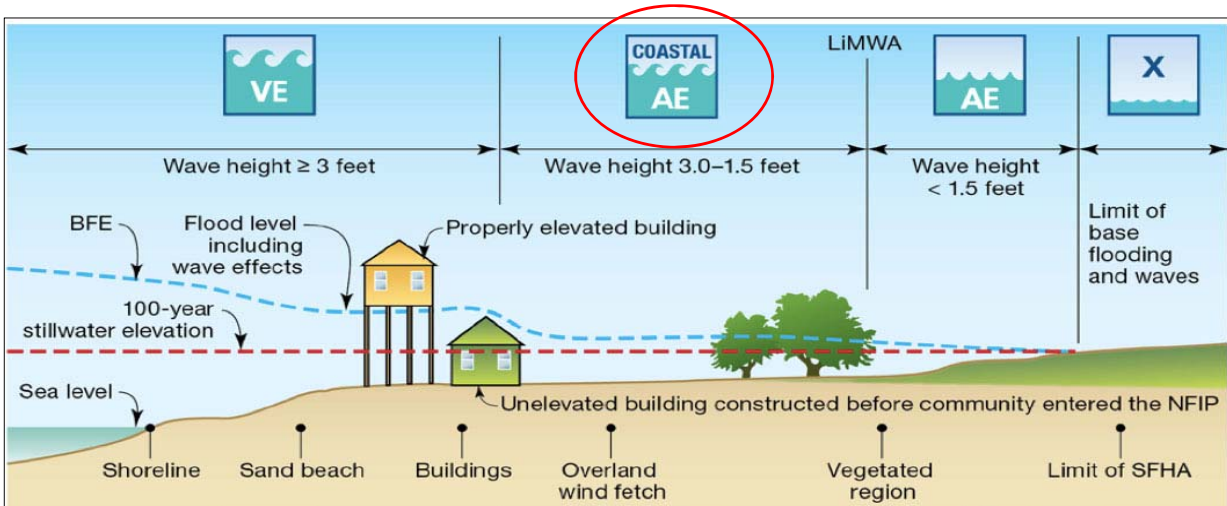
First Floor Elevation (FFE) /Vault Hatch	14.6
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	Yes
Ground Elevation	11.2
Sewer Manhole Rim Elevation	9.0

FLOOD INFORMATION

FEMA Flood Zone	Coastal AE
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	17.1
Elevation at which Water Enters Building	14.6



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

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SPECIAL RESPONSE STEPS

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Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	17.1
FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	14.6

Consider Station Shutdown when water surface elevation is forecasted to be at or above

14.6

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#24
Name of Pump Station	Kennedy Ln
Address	7 Kennedy Lane
Latitude/Longitude	41.7581/ -70.7209
Type of Station	Wet / Dry Well
Superstructure Present	Yes
Date Commissioned	2004



BUILDING INFORMATION

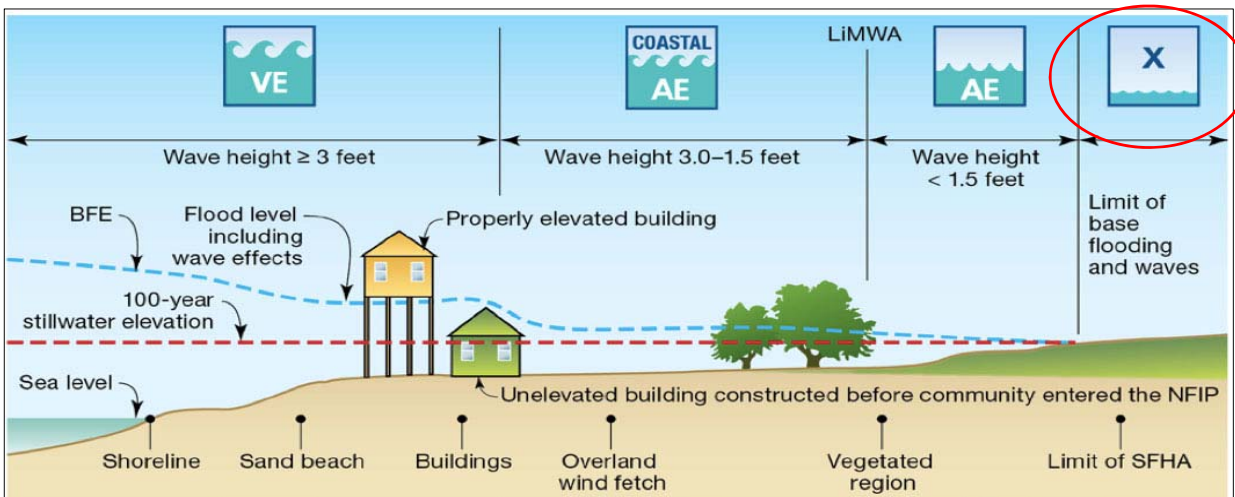
First Floor Elevation (FFE) /Vault Hatch	18.3
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	Yes
Ground Elevation	16.9

FLOOD INFORMATION

FEMA Flood Zone	X
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	20.8
Elevation at which Water Enters Building	18.3



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

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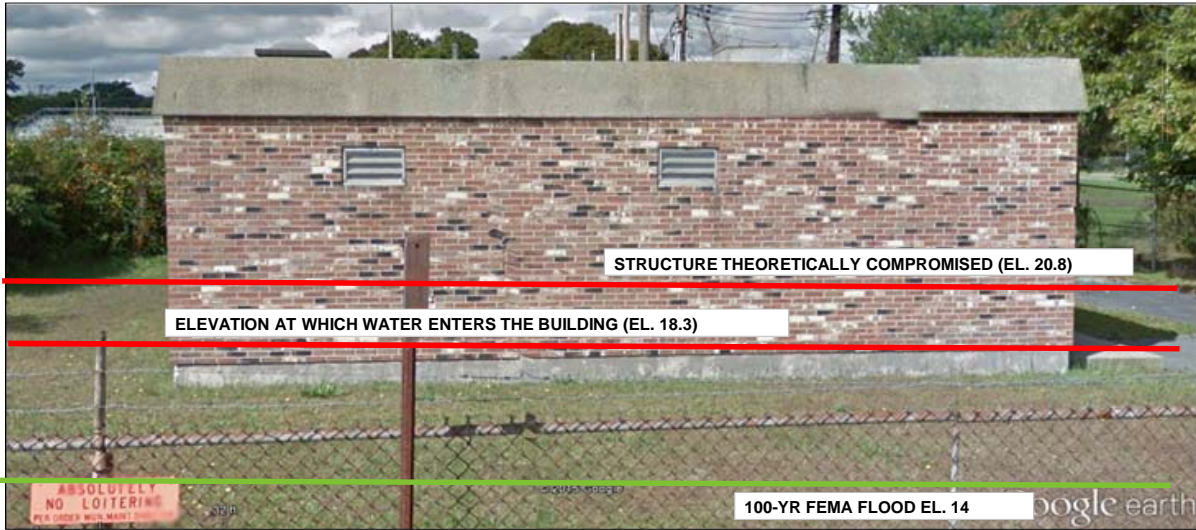
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SPECIAL RESPONSE STEPS

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Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	20.8
FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	18.3

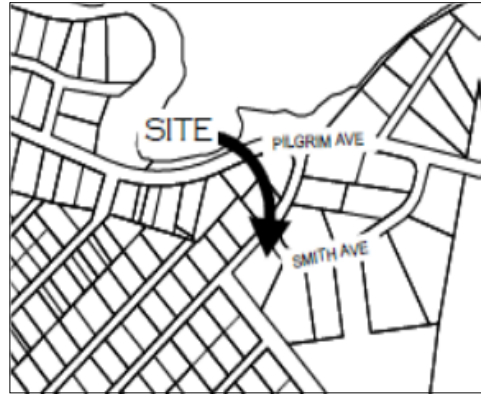
Consider Station Shutdown when water surface elevation is forecasted to be at or above

18.3

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#25
Name of Pump Station	Smith Ave
Address	5 Smith Ave
Latitude/Longitude	41.7430 / -70.7157
Type of Station	Wet / Dry Well
Superstructure Present	Yes
Date Commissioned	1978



LOCUS - NOT TO SCALE

BUILDING INFORMATION

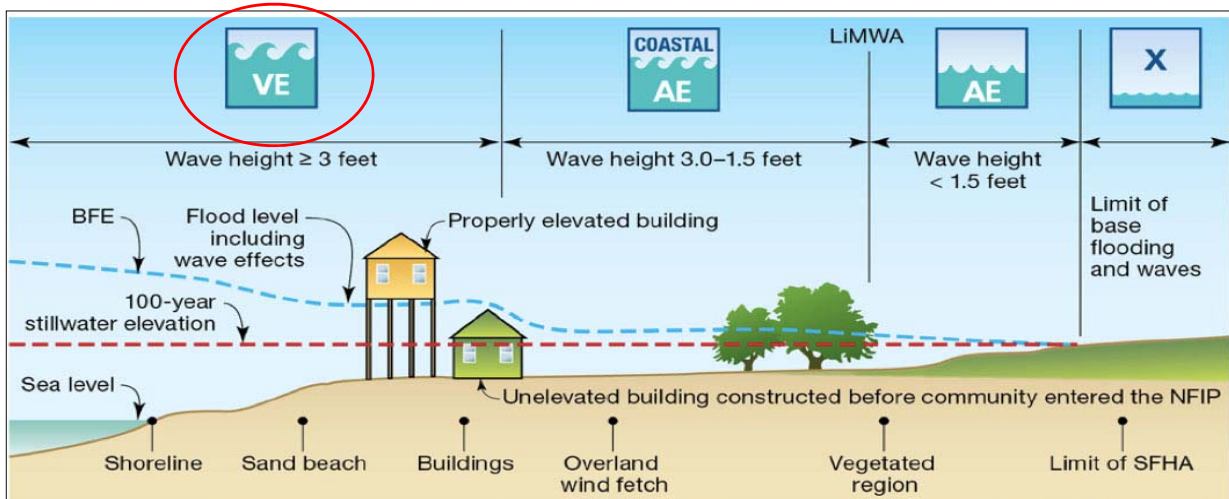
First Floor Elevation (FFE) /Vault Hatch	15.1
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	8.8

FLOOD INFORMATION

FEMA Flood Zone	VE
FEMA Flood Elevation (100-Year (BFE))	18

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	17.6
Elevation at which Water Enters Building	15.1



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

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SPECIAL RESPONSE STEPS

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Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	17.6
FEMA 100-YR Flood Elevation	18
Elevation at which Water Enters Building	15.1

Consider Station Shutdown when water surface elevation is forecasted to be at or above

15.1

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#26
Name of Pump Station	Ruggles
Address	7 Ruggles St
Latitude/Longitude	41.7383 / -70.7187
Type of Station	Wet / Dry Well
Superstructure Present	Yes
Date Commissioned	2012



LOCUS - NOT TO SCALE

BUILDING INFORMATION

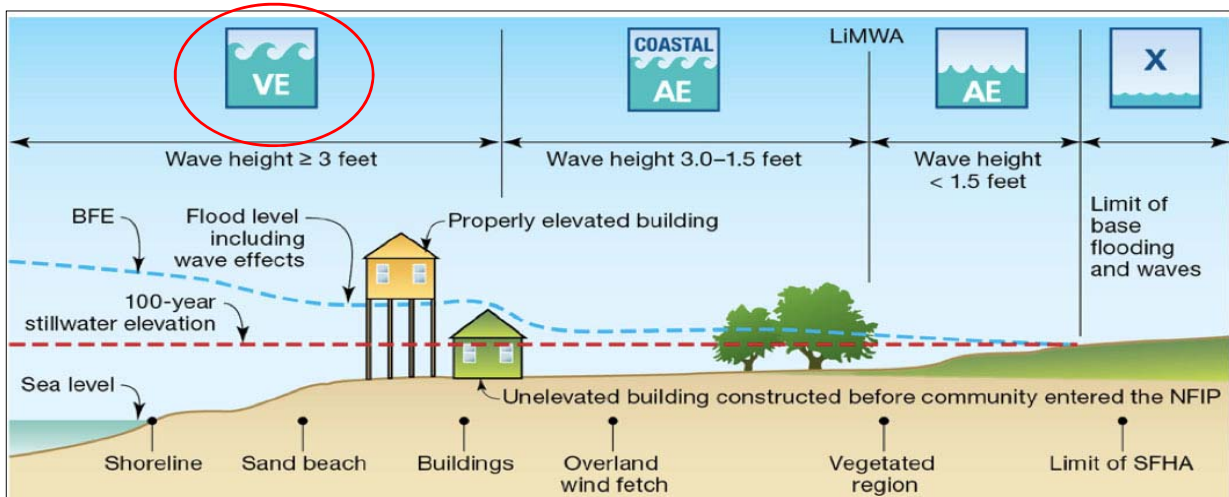
First Floor Elevation (FFE) /Vault Hatch	14.6
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	5.9

FLOOD INFORMATION

FEMA Flood Zone	VE
FEMA Flood Elevation (100-Year (BFE))	20

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	17.1
Elevation at which Water Enters Building	14.6



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

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SPECIAL RESPONSE STEPS

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Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	17.1
FEMA 100-YR Flood Elevation	20
Elevation at which Water Enters Building	14.6

Consider Station Shutdown when water surface elevation is forecasted to be at or above

14.6

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#27
Name of Pump Station	Cromeset Rd
Address	151 Cromeset Rd
Latitude/Longitude	41.7362 / -70.7347
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	2012



LOCUS - NOT TO SCALE

BUILDING INFORMATION

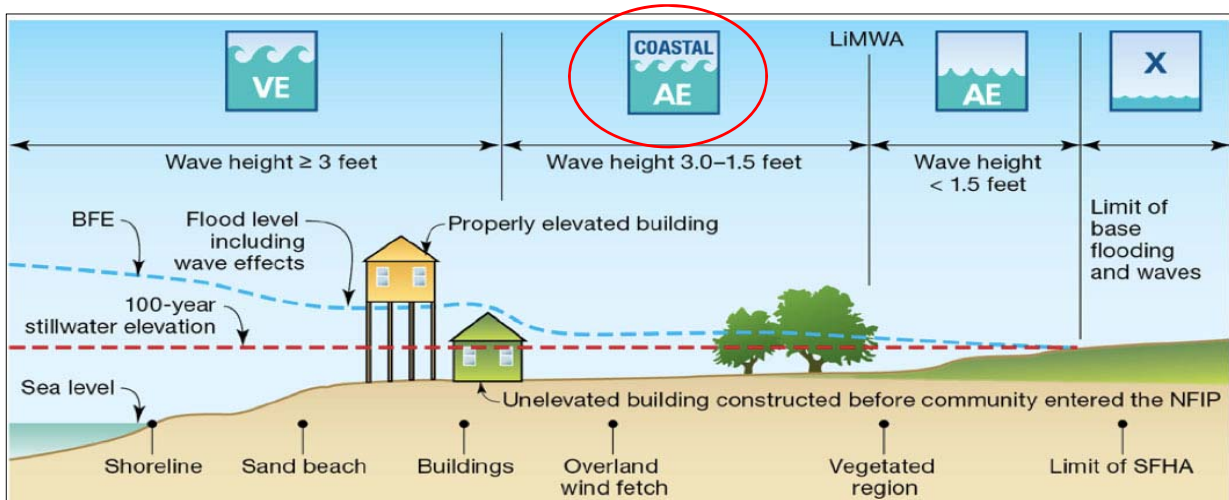
First Floor Elevation (FFE) /Vault Hatch	11.5
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	11.5

FLOOD INFORMATION

FEMA Flood Zone	Coastal AE
FEMA Flood Elevation (100-Year (BFE))	16

ACTION PLAN CRITICAL FACTORS

Elevation at which Water Enters Building 11.5



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

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Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

FEMA 100-YR Flood Elevation	16
Elevation at which Water Enters Building	11.5

Consider Station Shutdown when water surface elevation is forecasted to be at or above

11.5

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#28
Name of Pump Station	Briarwood
Address	15 Briarwood Dr
Latitude/Longitude	41.7387 / -70.7415
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	2006



BUILDING INFORMATION

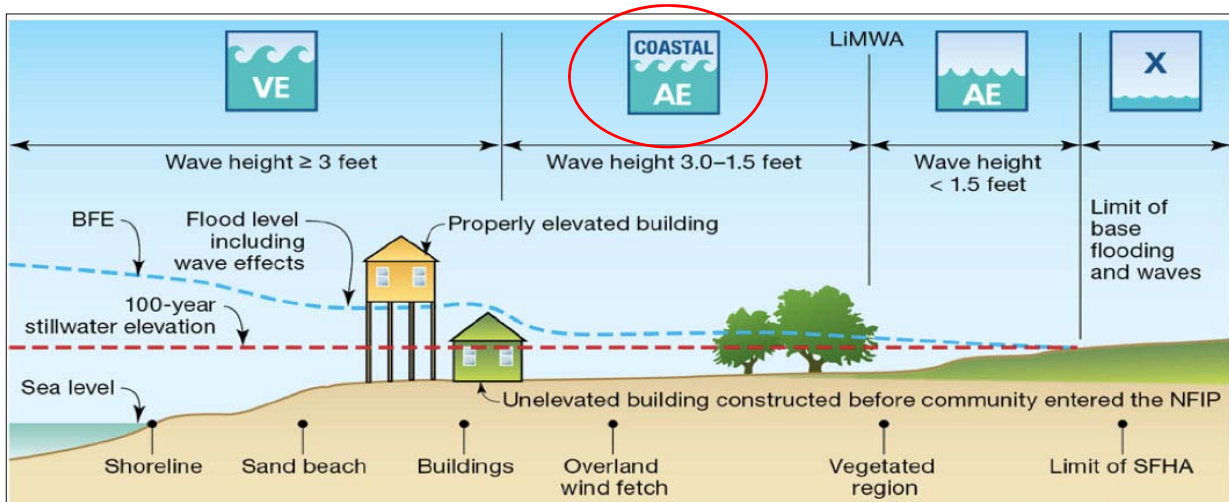
First Floor Elevation (FFE) /Vault Hatch	9.3
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	8

FLOOD INFORMATION

FEMA Flood Zone	Coastal AE
FEMA Flood Elevation (100-Year (BFE))	15

ACTION PLAN CRITICAL FACTORS

Elevation at which Water Enters Building **9.3**



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

Contact Utility Emergency Response Manager: **GUY CAMPINHA, Water Pollution Control Director (508) 958-4290**

NOTE: If Contact Utility Emergency Response Manager is Unavailable, Proceed to Contact Primary and Secondary Emergency Operations Center as Needed

Emergency Operations Center - Primary Contacts

Wareham Dispatch (Wareham)	911 / (508) 295-1212
Wareham Dispatch (Onset)	911 / (508) 295-1212

Emergency Operations Center - Alternate Contacts

Wareham Police Department (Dispatch)	911 / (508) 295-1212
Wareham Fire Department (Fire)	(508) 295-2323
Onset Fire (Fire)	(508) 295-2121



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

FEMA 100-YR Flood Elevation	15
Elevation at which Water Enters Building	9.3

Consider Station Shutdown when water surface elevation is forecasted to be at or above

9.3

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#29
Name of Pump Station	Arnold
Address	35 Arnold St
Latitude/Longitude	41.7427 / -70.7497
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	2006



BUILDING INFORMATION

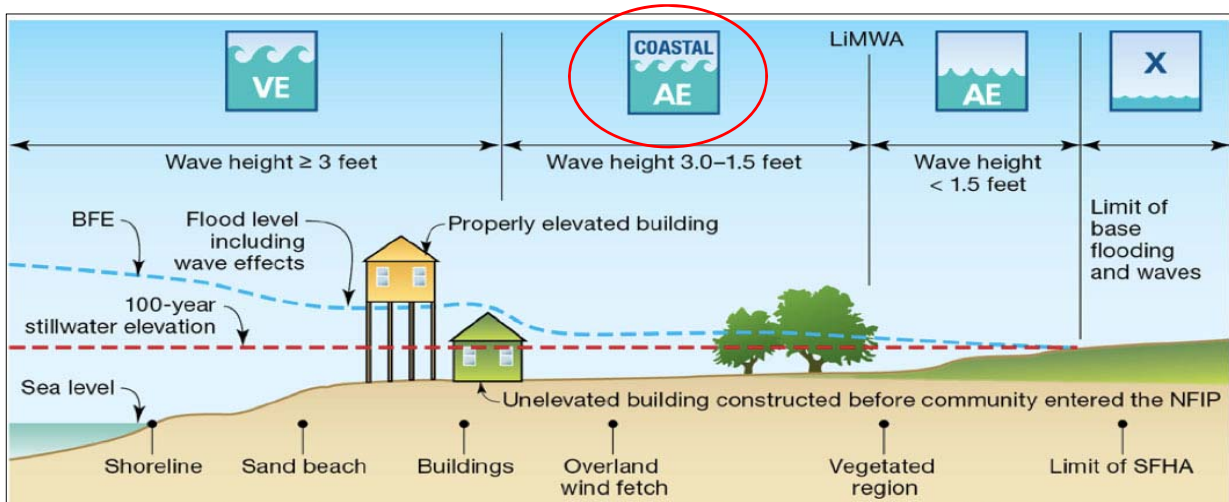
First Floor Elevation (FFE) /Vault Hatch	6.8
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	6.8

FLOOD INFORMATION

FEMA Flood Zone	Coastal AE
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Elevation at which Water Enters Building **6.8**



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

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Onset Fire (Fire)	(508) 295-2121



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	6.8

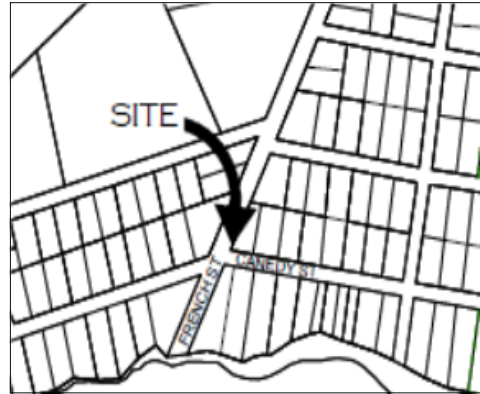
Consider Station Shutdown when water surface elevation is forecasted to be at or above

6.8

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#30
Name of Pump Station	French St
Address	35 Canedy St
Latitude/Longitude	41.7435 \ -70.7566
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	2006



BUILDING INFORMATION

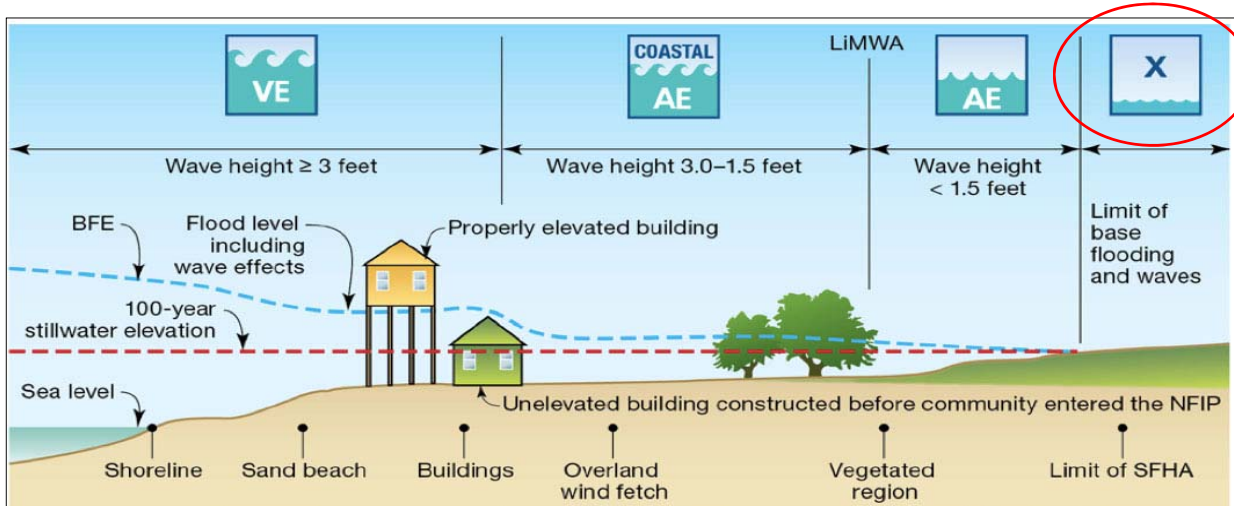
First Floor Elevation (FFE) /Vault Hatch	15.1
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	Yes
Ground Elevation	15.1

FLOOD INFORMATION

FEMA Flood Zone	X
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Elevation at which Water Enters Building **15.1**



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

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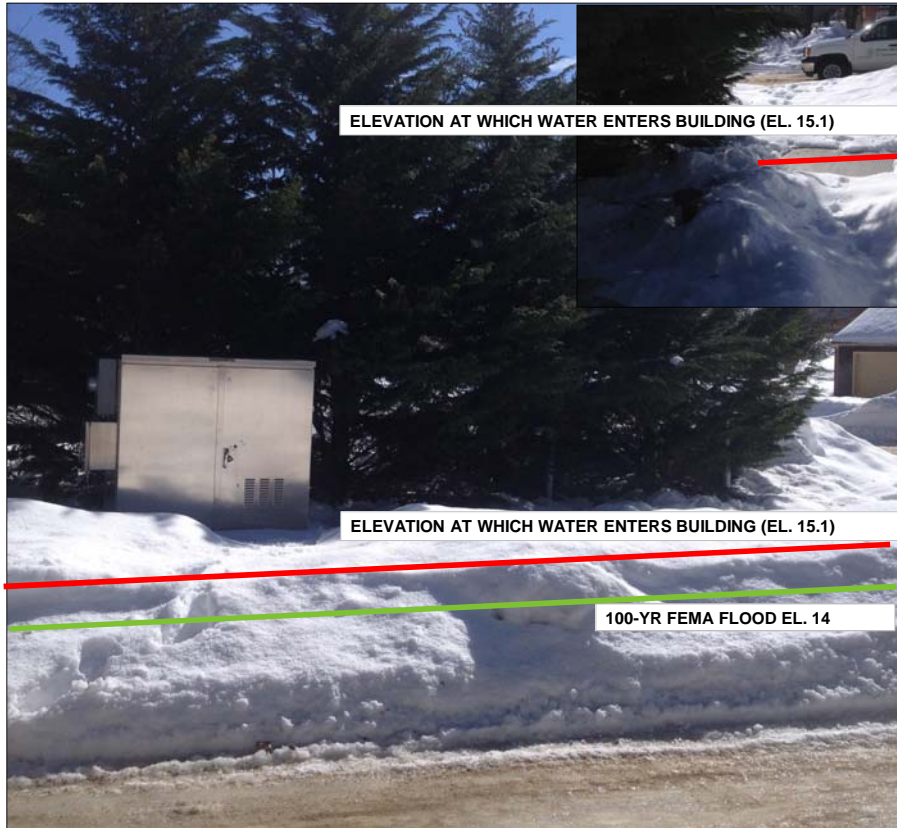
Wareham Dispatch (Wareham)	911 / (508) 295-1212
Wareham Dispatch (Onset)	911 / (508) 295-1212

Emergency Operations Center - Alternate Contacts

Wareham Police Department (Dispatch)	911 / (508) 295-1212
Wareham Fire Department (Fire)	(508) 295-2323
Onset Fire (Fire)	(508) 295-2121



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	15.1

Consider Station Shutdown when water surface elevation is forecasted to be at or above

15.1

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#31
Name of Pump Station	Hathaway
Address	
Latitude/Longitude	41.7456 / -70.7411
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	2006



BUILDING INFORMATION

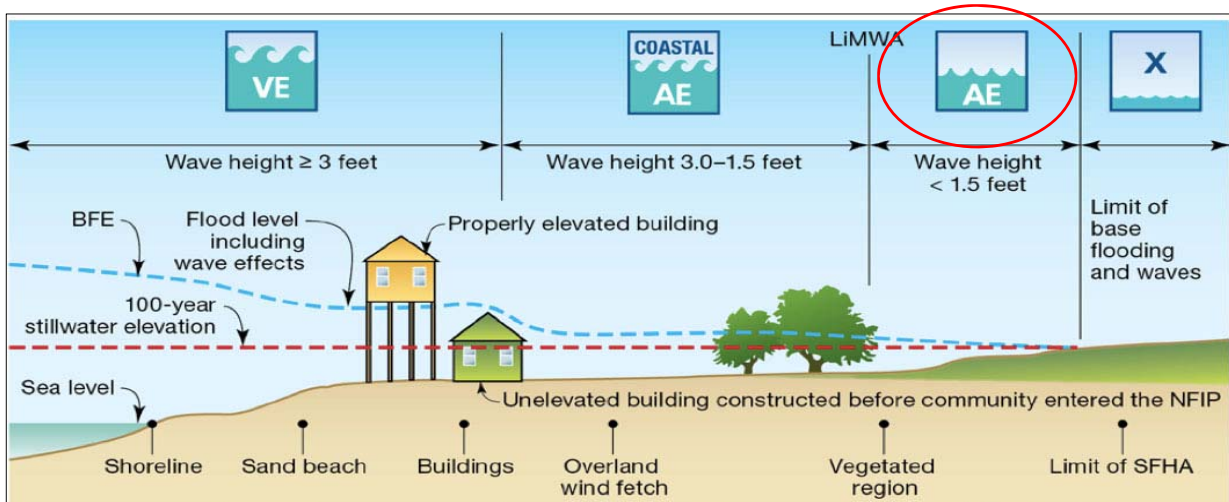
First Floor Elevation (FFE) /Vault Hatch	15.2
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	Yes
Ground Elevation	15.2
Vault Hatch Elevation / Sewer Manhole Rim Elevation	15.2 / 15.3

FLOOD INFORMATION

FEMA Flood Zone	AE
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Elevation at which Water Enters Building **15.2**



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

Contact Utility Emergency Response Manager: **GUY CAMPINHA**, Water Pollution Control Director (508) 958-4290

**NOTE: If Contact Utility Emergency Response Manager is Unavailable,
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Onset Fire (Fire)	(508) 295-2121



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	15.2

Consider Station Shutdown when water surface elevation is forecasted to be at or above

15.2

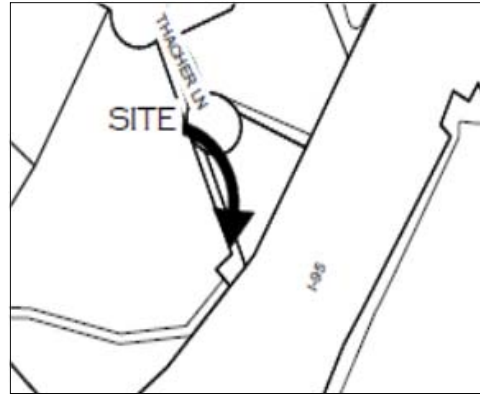
Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan

GENERAL

Site #	#32
Name of Pump Station	Thatcher/Ind PK II
Address	5 Thatcher Ln
Latitude/Longitude	41.7786 \ -70.7373
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	2012

BUILDING INFORMATION

First Floor Elevation (FFE) /Vault Hatch	39.1
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	39.1



LOCUS - NOT TO SCALE

THIS PUMP STATION IS NOT WITHIN A FLOOD ZONE; NO RESPONSE REQUIRED



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan

GENERAL

Site #	#33
Name of Pump Station	Kendrick/Ind PK I
Address	14 1/2 Kendrick Rd
Latitude/Longitude	41.7821 \ -70.7393
Type of Station	Submersible
Superstructure Present	Yes
Date Commissioned	2003

BUILDING INFORMATION

First Floor Elevation (FFE) /Vault Hatch	37.9
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	38.4



LOCUS - NOT TO SCALE

THIS PUMP STATION IS NOT WITHIN A FLOOD ZONE; NO RESPONSE REQUIRED

Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan

GENERAL

Site #	#34
Name of Pump Station	Springborne
Address	794 Main St
Latitude/Longitude	41.7721 \ -70.7495
Type of Station	Submersible
Superstructure Present	Yes
Date Commissioned	1991

BUILDING INFORMATION

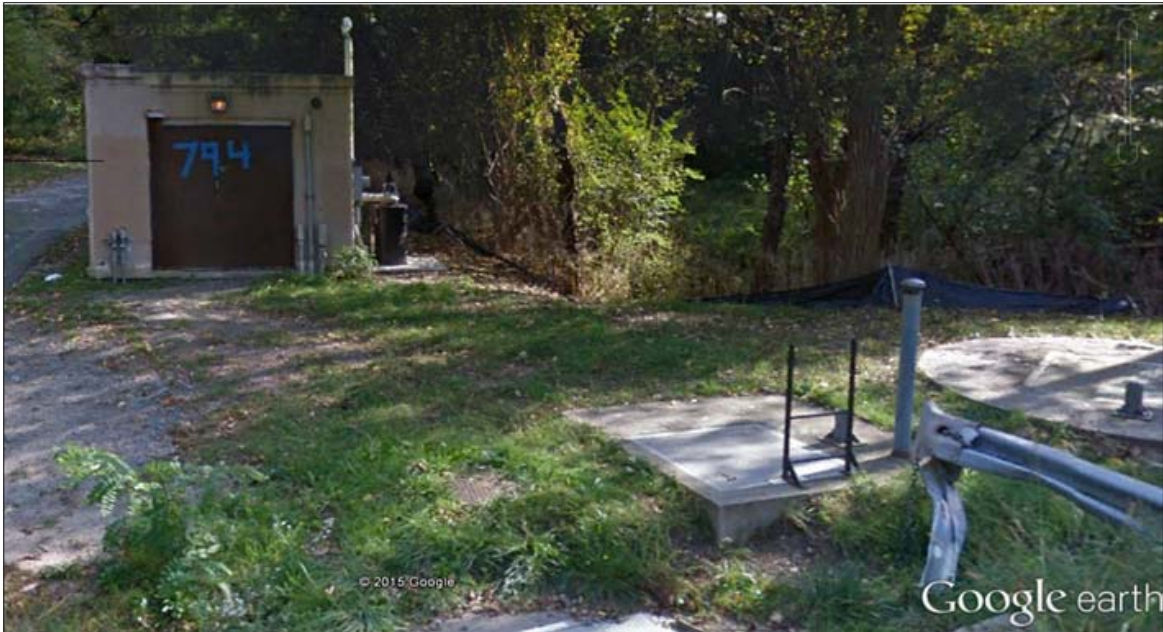
First Floor Elevation (FFE) /Vault Hatch	29.8
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	Yes
Ground Elevation	29.1



LOCUS - NOT TO SCALE

THIS PUMP STATION IS NOT WITHIN A FLOOD ZONE; NO RESPONSE REQUIRED

Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



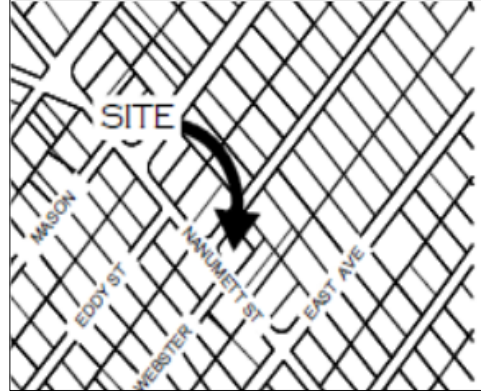
Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan

GENERAL

Site #	#35
Name of Pump Station	Nanumette Air Station
Address	44 Webster St
Latitude/Longitude	41.7401 \ -70.6435
Type of Station	Air Station
Superstructure Present	Yes
Date Commissioned	1989

BUILDING INFORMATION

First Floor Elevation (FFE) /Vault Hatch	24.7
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	Yes
Ground Elevation	25.2



LOCUS - NOT TO SCALE

THIS PUMP STATION IS NOT WITHIN A FLOOD ZONE; NO RESPONSE REQUIRED



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#36
Name of Pump Station	Bay St/Groveland
Address	41 Bay Street
Latitude/Longitude	41.7384 / -70.6444
Type of Station	Submersible (Ejector)
Superstructure Present	No
Date Commissioned	1989



LOCUS - NOT TO SCALE

BUILDING INFORMATION

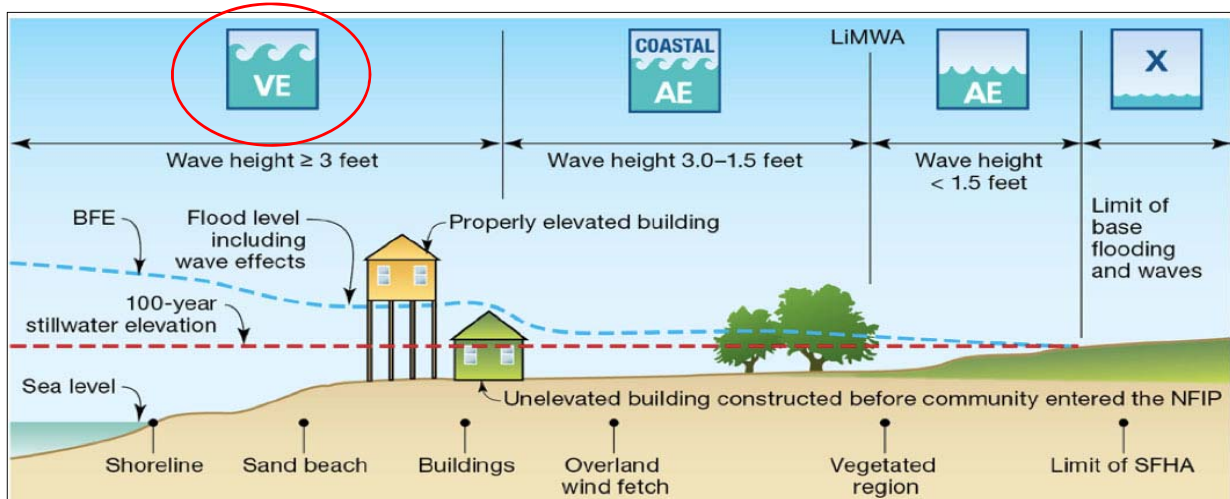
First Floor Elevation (FFE) /Vault Hatch	10.2
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	10.2

FLOOD INFORMATION

FEMA Flood Zone	VE
FEMA Flood Elevation (100-Year (BFE))	17

ACTION PLAN CRITICAL FACTORS

Elevation at which Water Enters Building 10.2



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

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Onset Fire (Fire)	(508) 295-2121



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

FEMA 100-YR Flood Elevation	17
Elevation at which Water Enters Building	10.2

Consider Station Shutdown when water surface elevation is forecasted to be at or above

10.2

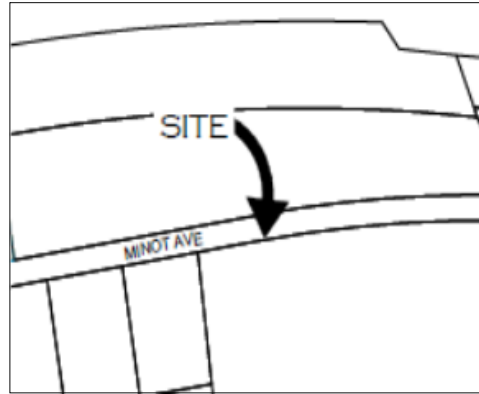
Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan

GENERAL

Site #	#37
Name of Pump Station	Minot Ave
Address	70 Minot Ave
Latitude/Longitude	41.7568 \ -70.6886
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	Unknown

BUILDING INFORMATION

First Floor Elevation (FFE) /Vault Hatch	47.6
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	Yes
Ground Elevation	44.1



LOCUS - NOT TO SCALE

THIS PUMP STATION IS NOT WITHIN A FLOOD ZONE; NO RESPONSE REQUIRED

Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan

GENERAL

Site #	#38
Name of Pump Station	Peter Cooper Dr
Address	1 1/2 Peter Cooper Drive
Latitude/Longitude	41.7493 \ -70.6906
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	1989

BUILDING INFORMATION

First Floor Elevation (FFE) /Vault Hatch	31.3
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	Yes
Ground Elevation	30.8



THIS PUMP STATION IS NOT WITHIN A FLOOD ZONE; NO RESPONSE REQUIRED

Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan

GENERAL

Site #	#39
Name of Pump Station	Mattapoissett Rd
Address	13 Mattapoissett Rd
Latitude/Longitude	41.7342 \ -70.7300
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	2012

BUILDING INFORMATION

First Floor Elevation (FFE) /Vault Hatch	17.3
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	Yes
Ground Elevation	17.3



LOCUS - NOT TO SCALE

THIS PUMP STATION IS NOT WITHIN A FLOOD ZONE; NO RESPONSE REQUIRED

Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

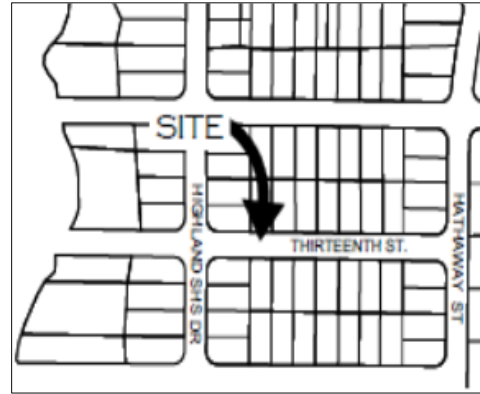
Site #	#40
Name of Pump Station	Thirteenth Ave
Address	15 Thirteenth Ave
Latitude/Longitude	41.7514 / -70.7428
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	2006

BUILDING INFORMATION

First Floor Elevation (FFE) /Vault Hatch	12.7
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	13.5

FLOOD INFORMATION

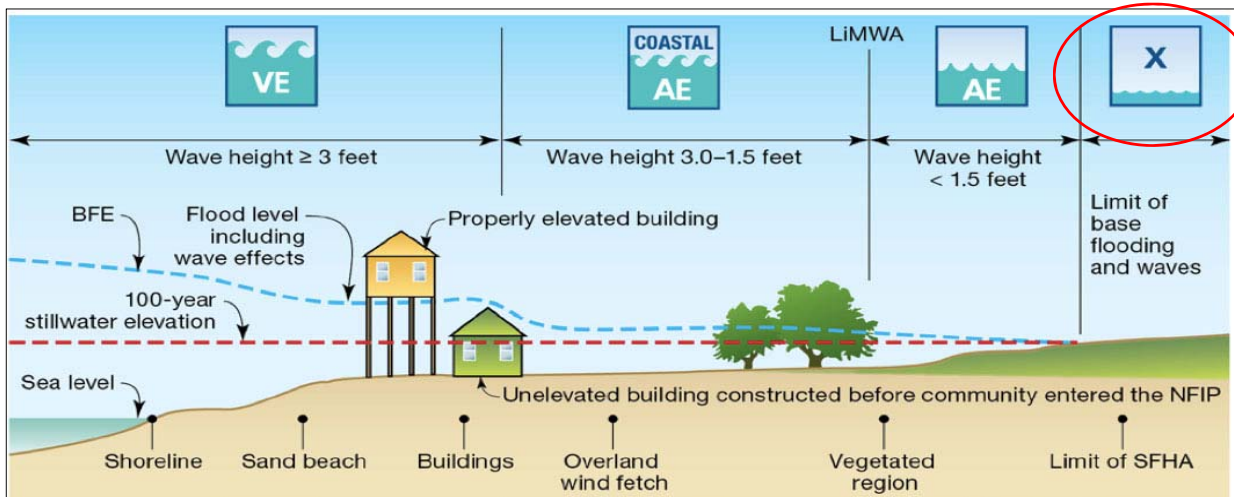
FEMA Flood Zone	X
FEMA Flood Elevation (100-Year (BFE))	14



LOCUS - NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Elevation at which Water Enters Building **12.7**



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

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Emergency Operations Center - Primary Contacts

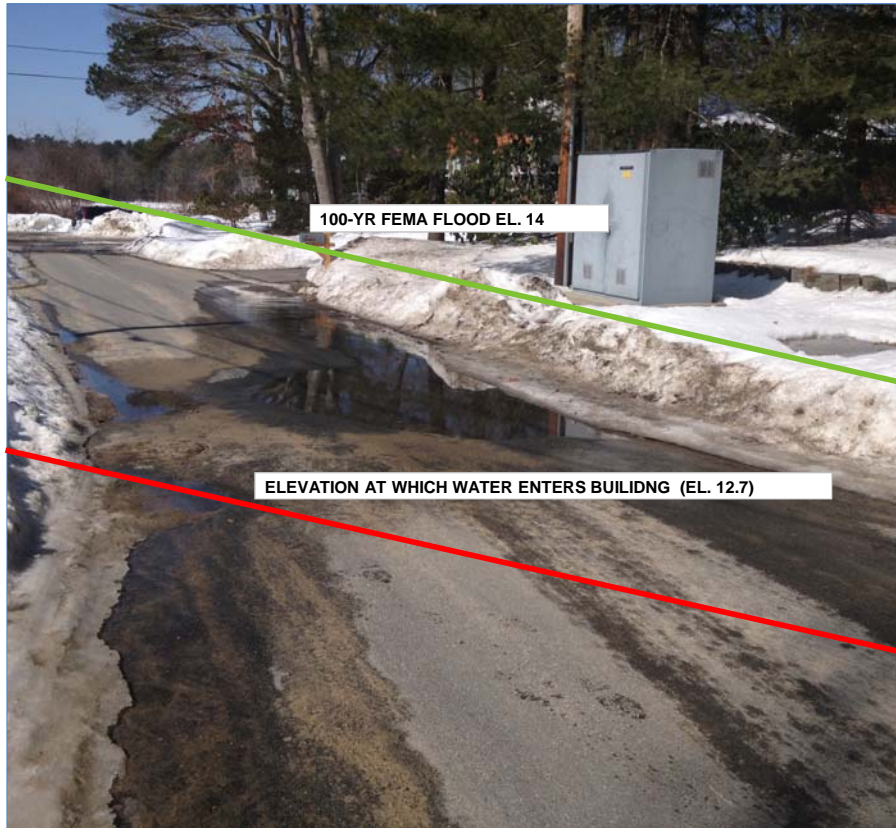
Wareham Dispatch (Wareham)	911 / (508) 295-1212
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Emergency Operations Center - Alternate Contacts

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Onset Fire (Fire)	(508) 295-2121



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	12.7

Consider Station Shutdown when water surface elevation is forecasted to be at or above

12.7

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site #	#41
Name of Pump Station	Leonard St
Address	53 Leonard St
Latitude/Longitude	41.7445 / -70.7507
Type of Station	Submersible
Superstructure Present	No
Date Commissioned	2006



LOCUS - NOT TO SCALE

BUILDING INFORMATION

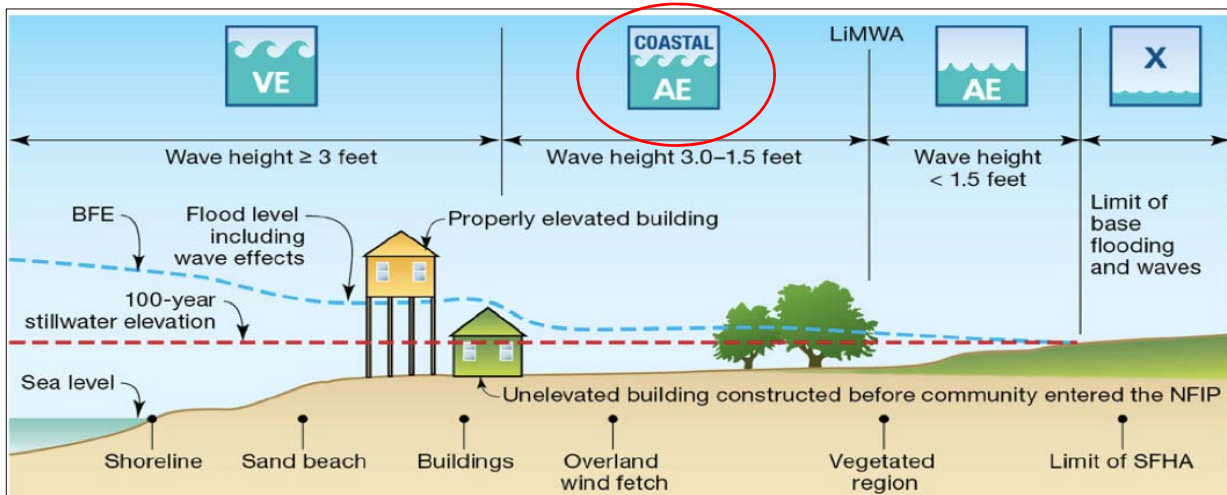
First Floor Elevation (FFE) /Vault Hatch	9.3
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	No
Ground Elevation	9.3

FLOOD INFORMATION

FEMA Flood Zone	Coastal AE
FEMA Flood Elevation (100-Year (BFE))	14

ACTION PLAN CRITICAL FACTORS

Elevation at which Water Enters Building **9.3**



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

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Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	9.3

Consider Station Shutdown when water surface elevation is forecasted to be at or above

9.3

Town of Wareham Water Pollution Control Facility Emergency Response Plan - Action Plan

GENERAL

Site # #42
 Name of Pump Station Terry Ln - Davis Rd
 Address 7 1/2 Terry Ln
 Latitude/Longitude 41.7468 / -70.7337
 Type of Station Submersible
 Superstructure Present Yes
 Date Commissioned 1992



BUILDING INFORMATION

First Floor Elevation (FFE) /Vault Hatch 14.7
 First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE) Yes
 Ground Elevation 12.5

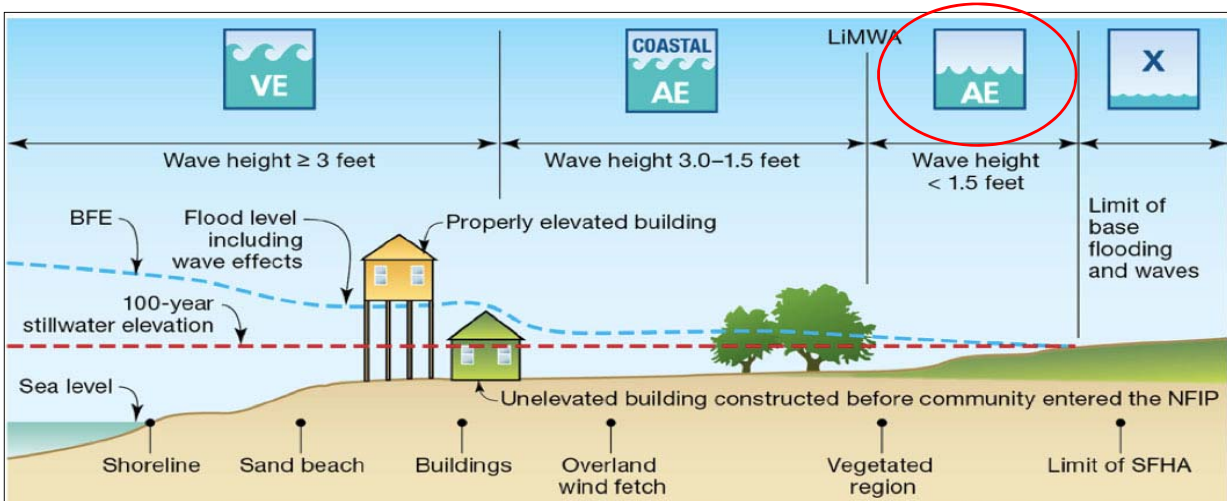
FLOOD INFORMATION

FEMA Flood Zone AE
 FEMA Flood Elevation (100-Year (BFE)) 14

LOCUS - NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised 17.2
 Elevation at which Water Enters Building 14.7



Source: FEMA Coastal Flood Hazard Mapping Studies, May 2013

SPECIAL NOTIFICATION REQUIREMENTS

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 Wareham Fire Department (Fire) (508) 295-2323
 Onset Fire (Fire) (508) 295-2121

SPECIAL RESPONSE STEPS

**DO NOT ENTER BUILDING WHEN FLOOD WATERS ARE 2.5 FEET ABOVE FIRST FLOOR ELEVATION OR ABOVE ELEVATION 17.2
 THIS IS THE CRITICAL HEIGHT FOR STRUCTURAL DAMAGE AND PERSONNEL SHOULD NOT ENTER PUMP STATION**



Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



NOT TO SCALE

ACTION PLAN CRITICAL FACTORS

Structure Theoretically Compromised	17.2
FEMA 100-YR Flood Elevation	14
Elevation at which Water Enters Building	14.7

Consider Station Shutdown when water surface elevation is forecasted to be at or above

14.7

Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan

GENERAL

Site #	#43
Name of Pump Station	Police Station
Address	2515 Cranberry Hwy
Latitude/Longitude	41.7702\ -70.7343
Type of Station	Submersible
Superstructure Present	Yes
Date Commissioned	Unknown

BUILDING INFORMATION

First Floor Elevation (FFE) /Vault Hatch	54.2
First Floor above 100-Year Flood Elevation / Base Flood Elevation (BFE)	Yes
Ground Elevation	56.4



LOCUS - NOT TO SCALE

THIS PUMP STATION IS NOT WITHIN A FLOOD ZONE; NO RESPONSE REQUIRED

Town of Wareham Water Pollution Control Facility
Emergency Response Plan - Action Plan



6. Emergency Plan Approval, Update, and Training

6.1 Initial ERP Approval and Update Process

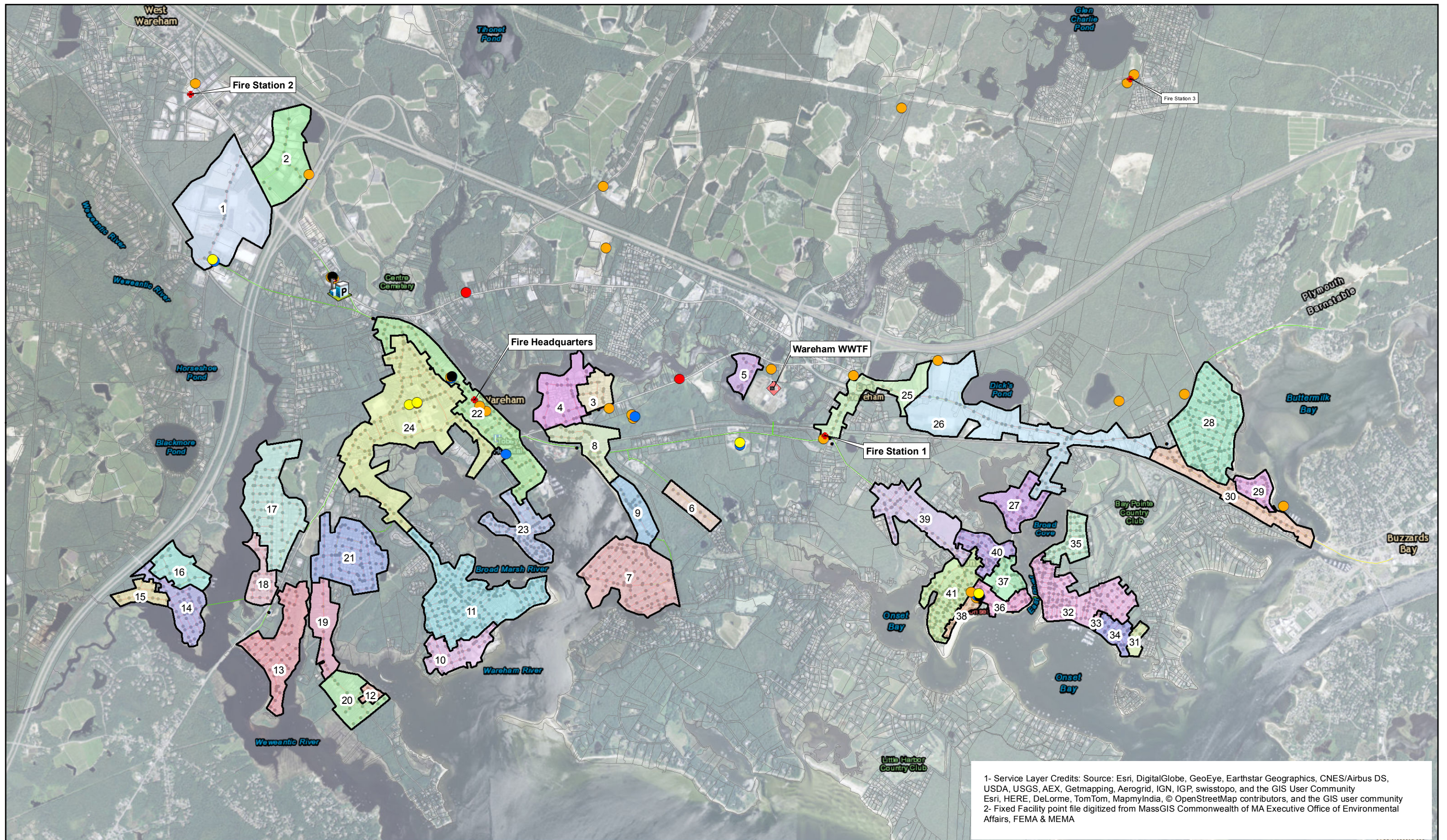
This ERP was reviewed and approved by use by the Sewer Commissioners as shown on the Signature Page located after the Table of Contents.

6.2 Continued ERP Approval and Update Process

This ERP was reviewed and approved by the Sewer Commissioners annually as shown on the Signature Page located after the Table of Contents. Any changes or revisions made should be reviewed with Emergency Responders.

Figures

Figure 1 Critical Infrastructure Facilities



1- Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
 Esri, HERE, DeLorme, TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS user community
 2- Fixed Facility point file digitized from MassGIS Commonwealth of MA Executive Office of Environmental Affairs, FEMA & MEMA

Paper Size ARCH D
 0 1,250 2,500 5,000 Feet
 Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
 Grid: NAD 1983 StatePlane Massachusetts Mainland FIPS 2001 Feet



LEGEND
 Sewershed (TYP) (with ID Number)

Facility
 Critical Infrastructure
 Health & Medical Facility
 Fixed Hazard Facilities
 Emergency Operations Center
 Mass Care Shelters



Town of Wareham, Ma
 Capital Improvement Plan

CRITICAL INFRASTRUCTURE FACILITIES

Job Number | 86-18489
 Revision | A
 Date | 29 Oct 2015

Figure 1

N:\US\Hyannis\Projects\8618489\GIS\Maps\MXD_Deliverables\Fixed Hazardous Facilities F1.mxd
 © 2012. Whilst every care has been taken to prepare this map, GHD (and DATA CUSTODIAN) make no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and cannot accept liability and responsibility of any kind (whether in contract, tort or otherwise) for any expenses, losses, damages and/or costs (including indirect or consequential damage) which are or may be incurred by any party as a result of the map being inaccurate, incomplete or unsuitable in any way and for any reason.
 Data source: Data Custodian, Data Set Name/Title, Version/Date. Created by: jobrien

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